

Operable Unit Carbon Tetrachloride Plume Fourth Quarter 2023 through Third Quarter 2024

Former Fort Ord, California

Prepared for:



U.S. Department of the Army

Fort Ord Base Realignment and Closure
4463 Gigling Road, Room 101
Seaside, CA 93955-7302

USACE Contract No: **W9123824D0003**

Task Order No: **W9123824F0033**

Task No: **4.2**

Prepared by:

Ahtna Global, LLC

9699 Blue Larkspur Lane, Suite 201
Monterey, CA 93940-6552

Report Date: **March 2025**

Report Version: **Draft**

Report Approval

Report Title: **Operable Unit Carbon Tetrachloride Plume
Fourth Quarter 2023 through Third Quarter 2024
Groundwater Monitoring Report
Former Fort Ord, California**

Prime Contractor: Ahtna Global, LLC

USACE Contract No.: W9123824D0003

Task Order No.: W9123824F0033

Task No.: 4.2

Derek S. Lieberman, P.E. Certificate No. C 57417
Ahtna Global, LLC
Program Manager

Eric Schmidt
Ahtna Global, LLC
Project Manager

Andrew Mauck
Ahtna Global, LLC
Assistant Project Manager

Table of Contents

Report Approval	i
Table of Contents	ii
Acronyms and Abbreviations	v
1.0 Introduction	1
1.1 Purpose of this Report	2
1.2 Brief Summary of Conceptual Site Model	2
1.3 Statement of Remedy Goals and Conditions for Terminating the Groundwater Remedy	3
1.4 Remedy Description	5
1.4.1 A-Aquifer—EISB	5
1.4.2 Upper 180-Foot Aquifer—Pump and Treat	5
1.4.3 Lower 180-Foot Aquifer—MNA	6
1.4.4 Other Remedy Components	6
2.0 Subsurface Performance Summary	7
2.1 Sampling Events Performed During this Reporting Period	7
Scheduled GWMP Events	7
2.2 Sampling Methodologies and Laboratory Analyses	7
2.3 Deviations from the QAPP	8
2.4 Well Maintenance	8
2.5 Sampling Results and Interpretation	9
2.5.1 A-Aquifer	9
2.5.2 Upper 180-Foot Aquifer	16
2.5.3 Lower 180-Foot Aquifer	18
2.5.4 Supply Wells	19
2.5.5 Data Validation and Quality Control Assessment	21
3.0 Interpretation of Progress Toward System Goals	23
3.1 Progress with Respect to Short-Term Goals	23
3.1.1 A-Aquifer	23
3.1.2 Upper 180-Foot Aquifer	24
3.1.3 Lower 180-Foot Aquifer	25
3.2 Progress with Respect to Long-Term Goals	25
3.2.1 A-Aquifer	25
3.2.2 Upper 180-Foot Aquifer	26
3.2.3 Lower 180-Foot Aquifer	27
3.3 Gaps or Inconsistencies in the Conceptual Site Model	28
4.0 Suggested Monitoring Modifications	29
4.1 New Wells or Additional Remediation	29
4.1.1 A-Aquifer	29
4.1.2 Upper 180-Foot Aquifer	29
4.1.3 Lower 180-Foot Aquifer	29
4.2 Well Decommissioning	29
5.0 References	30

Tables

- 1 COCs in Groundwater and ACLs
- 2 GWMP Sampling Methods and Analytical Schedule
- 3 GWMP Schedule Modifications
- 4 Groundwater Well Maintenance
- 5 Groundwater Elevations, Fourth Quarter 2023 through Third Quarter 2024
- 6 Summary of Groundwater Monitoring Analytical Results, A-Aquifer, Fourth Quarter 2023
- 7 Summary of Groundwater Monitoring Analytical Results, A-Aquifer, First Quarter 2024
- 8 Summary of Groundwater Monitoring Analytical Results, A-Aquifer, Second Quarter 2024
- 9 Summary of Groundwater Monitoring Analytical Results, A-Aquifer, Third Quarter 2024
- 10 Summary of Groundwater Field Parameters, A-Aquifer, Fourth Quarter 2023 through Third Quarter 2024
- 11 Summary of Groundwater Monitoring Analytical Results, Upper 180-Foot Aquifer, Fourth Quarter 2023 through Third Quarter 2024
- 12 Summary of Groundwater Monitoring Analytical Results, Lower 180-Foot Aquifer, Fourth Quarter 2023 through Third Quarter 2024
- 13 Recommended Groundwater Sample Schedule Modifications

Figures

- 1 Location Map
- 2 Site Vicinity and Well Locations
- 3 Groundwater Elevations, A-Aquifer, Fourth Quarter 2023
- 4 Groundwater Elevations, A-Aquifer, First Quarter 2024
- 5 Groundwater Elevations, A-Aquifer, Second Quarter 2024
- 6 Groundwater Elevations, A-Aquifer, Third Quarter 2024
- 7 Hydrographs of Representative A-Aquifer Wells, January 1999 to September 2024
- 8 CT Concentrations, A-Aquifer, Fourth Quarter 2023
- 9 CT Concentrations, A-Aquifer, First Quarter 2024
- 10 CT Concentrations, A-Aquifer, Second Quarter 2024
- 11 CT Concentrations, A-Aquifer, Third Quarter 2024
- 12 Current and Historical CT ACL Exceedance Contours, A-Aquifer, September 2024
- 13 Relative Change in EISB Parameters Over Time at Representative Deployment Area Wells, A-Aquifer, Third Quarter 2024
- 14 Groundwater Elevations, Upper 180-Foot Aquifer, Fourth Quarter 2023
- 15 Groundwater Elevations, Upper 180-Foot Aquifer, First Quarter 2024
- 16 Groundwater Elevations, Upper 180-Foot Aquifer, Second Quarter 2024
- 17 Groundwater Elevations, Upper 180-Foot Aquifer, Third Quarter 2024
- 18 Hydrographs of Representative Upper 180-Foot Aquifer Wells, March 1999 to September 2024
- 19 CT Concentrations, Upper 180-Foot Aquifer, Fourth Quarter 2023
- 20 CT Concentrations, Upper 180-Foot Aquifer, First Quarter 2024
- 21 CT Concentrations, Upper 180-Foot Aquifer, Second Quarter 2024
- 22 CT Concentrations, Upper 180-Foot Aquifer, Third Quarter 2024
- 23 Current and Historical CT ACL Contours, Upper 180-Foot Aquifer, September 2024

- 24 CT Concentrations, Upper 180-Foot and Lower 180-Foot/400-Foot Aquifers, Third Quarter 2024
- 25 Groundwater Elevations, Lower 180-Foot/400-Foot Aquifers, Fourth Quarter 2023
- 26 Groundwater Elevations, Lower 180-Foot/400-Foot Aquifers, First Quarter 2024
- 27 Groundwater Elevations, Lower 180-Foot/400-Foot Aquifers, Second Quarter 2024
- 28 Groundwater Elevations, Lower 180-Foot/400-Foot Aquifers, Third Quarter 2024
- 29 Hydrographs of Representative Lower 180-Foot Aquifer Wells, February 1997 to September 2024
- 30 CT and TCE Concentrations, Lower 180-Foot/400-Foot Aquifers, Fourth Quarter 2023
- 31 CT and TCE Concentrations, Lower 180-Foot/400-Foot Aquifers, First Quarter 2024
- 32 CT and TCE Concentrations, Lower 180-Foot/400-Foot Aquifers, Second Quarter 2024
- 33 CT and TCE Concentrations, Lower 180-Foot/400-Foot Aquifers, Third Quarter 2024
- 34 Current and Historical CT/TCE ACL Exceedance Contours, Lower 180-Foot Aquifer, September 2024
- 35 Recommended A-Aquifer Monitoring Well Changes
- 36 Recommended Upper 180-Foot Aquifer Monitoring Well Changes
- 37 Recommended New A-Aquifer Wells

Appendices

- A Validation Summary Reports
- B Select Monitoring Wells COC Trends
- C QAPP Sampling Frequency Recommended Changes and Monitoring Well COC Trendline Graphs

Acronyms and Abbreviations

µg/L	micrograms per liter
1,1-DCE	1,1-dichloroethene
1,2-DCA	1,2-dichloroethane
ACL	Aquifer Cleanup Level
Army	U.S. Department of the Army
COC	chemical of concern
CT	carbon tetrachloride
DO	dissolved oxygen
EISB	enhanced in situ bioremediation
FO-SVA	Fort Ord Salinas Valley Aquitard
GWMP	groundwater monitoring program
GWTP	groundwater treatment plant
GWTS	groundwater treatment system
LOD	limit of detection
MCL	Maximum Contaminant Level
MNA	monitored natural attenuation
N/A	not applicable
ND	not detected
ORP	oxidation-reduction potential
OU2	Operable Unit 2
OUCTP	Operable Unit Carbon Tetrachloride Plume
PCE	tetrachloroethene
PDB	passive diffusion bag
QAPP	Quality Assurance Project Plan
RAWP	Remedial Action Work Plan
ROD	Record of Decision
SGS	SGS North America, Inc.
SIM	selected ion monitoring
TCE	trichloroethene
total 1,2-DCE	total 1,2-dichloroethene
USACE	U.S. Army Corps of Engineers
USEPA	U.S. Environmental Protection Agency
VC	vinyl chloride
VOC	volatile organic compound
VSR	Validation Summary Report

1.0 Introduction

The former Fort Ord, located in northern Monterey County, California (Figure 1) was an active U.S. Army base from 1917 to 1994, encompassing approximately 28,000 acres. The U.S. Environmental Protection Agency (USEPA) added Fort Ord to the National Priorities List primarily based on groundwater contamination discovered in 1990 beneath the Fort Ord Landfills, which were subsequently designated as Operable Unit 2 (OU2). Fort Ord was placed on the Base Realignment and Closure list in 1991. As the lead agency, the U.S. Department of the Army (Army) manages the cleanup of the former Fort Ord in accordance with the Comprehensive Environmental Response, Compensation, and Liability Act, commonly known as Superfund. Activities include conducting risk assessments, remedial investigations, feasibility studies, and implementation of selected remedies for site cleanup of hazardous substances released into the environment due to previous Army activities. The remedial alternative and cleanup goals are selected in a decision document, and remedial activities are initiated accordingly. Monitoring of remedial activities ensures the remedy is operating properly and successfully to achieve cleanup goals.

The quarterly groundwater monitoring program (GWMP) at the former Fort Ord began in 1993 as a result of a Basewide Remedial Investigation/Feasibility Study conducted in accordance with the Federal Facility Agreement. The Federal Facility Agreement became effective November 19, 1990, after it was signed by representatives of the Army, USEPA Region 9, the California Department of Health Services (now the California Department of Toxic Substances Control), and the California Regional Water Quality Control Board, Central Coast Region. The GWMP currently includes monitoring the progress of remedial actions at three sites: Sites 2 and 12, OU2, and Operable Unit Carbon Tetrachloride Plume (OUCTP). This report summarizes remedial activities and monitoring at OUCTP.

The quarterly GWMP includes measuring depth to water and collecting groundwater samples for chemical analysis from groundwater monitoring and extraction wells at OUCTP (Figure 2).¹ The presence and concentration of chemicals of concern (COCs) in wells associated with OUCTP are compared with each COC's Aquifer Cleanup Level (ACL) to determine their horizontal and vertical distribution in the aquifers. Table 1 lists the ACLs for OUCTP groundwater COCs as stated in the *Record of Decision, Operable Unit Carbon Tetrachloride Plume, Former Fort Ord, California* (OUCTP ROD; Army, 2008). Groundwater elevations and flow directions are determined using depth to water measurements collected during the quarterly GWMP events.

Project activities were performed according to the following documents:

¹ Well names are referenced throughout this report according to a Fort Ord-specific naming convention (ST-SSS-000-XXX), where ST = monitoring station type, SSS = two- or three-character site identification code, 000 = monitoring station number, and XXX = monitoring depth or aquifer designation. Monitoring station type codes (ST) are EW = extraction well, MP = multipoint well, MW = monitoring well, PZ = piezometer, and TS = treatment system. Site identification codes are BW = Basewide (generally OUCTP wells), OU1 = Operable Unit 1, and OU2 = Operable Unit 2, though a well with a specific code may be used to monitor more than one study area. Monitoring depths are expressed as feet below ground surface and aquifer designations are A = A-Aquifer, 180 = Upper or Lower 180-Foot Aquifer, and 400 = 400-Foot Aquifer. For example, well name MW-BW-15-A represents OUCTP monitoring well number 15 that is screened in the A-Aquifer.

- *Quality Assurance Project Plan, Former Fort Ord, California, Volume I, Appendix A, Final Revision 11, Groundwater Remedies and Monitoring at Operable Unit 2, Sites 2 and 12, and Operable Unit Carbon Tetrachloride Plume* (QAPP; Ahtna, 2023b)
- *Quality Assurance Project Plan, Former Fort Ord, California, Volume I, Appendix A, Final Revision 12, Groundwater Remedies and Monitoring at Operable Unit 2, Sites 2 and 12, and Operable Unit Carbon Tetrachloride Plume* (QAPP; Ahtna, 2024g)
- *Final Operable Unit Carbon Tetrachloride Plume Remedial Action Work Plan Addendum, Former Fort Ord, California* (RAWP Addendum; AEI, 2016)
- *Accident Prevention Plan, Operable Unit 2, Sites 2 and 12, and Operable Unit Carbon Tetrachloride Plume, Former Fort Ord, California* (Ahtna, 2023a) and associated Activity Hazard Analyses
- *Accident Prevention Plan, Operable Unit 2, Sites 2 and 12, and Operable Unit Carbon Tetrachloride Plume, Former Fort Ord, California* (Ahtna, 2024f) and associated Activity Hazard Analyses

1.1 Purpose of this Report

Ahtna Global, LLC prepared this *Operable Unit Carbon Tetrachloride Plume Fourth Quarter 2023 through Third Quarter 2024 Groundwater Monitoring Report* under the U.S. Army Corps of Engineers (USACE) Contract No. W9123824D0003, Task Order No. W9123824F0033. This report documents the groundwater remediation and monitoring activities conducted at OUCTP in the former Fort Ord, California (Figure 1) from October 1, 2023, through September 30, 2024 (the “reporting period”). The guidance contained in the *O&M Report Template for Ground Water Remedies (with Emphasis on Pump and Treat Systems)* (USEPA, 2005) was utilized in preparing this report.

This report presents:

- OUCTP GWMP data
- OUCTP enhanced in situ bioremediation (EISB) post-treatment monitoring data from previous deployment areas
- Detailed discussions of OUCTP GWMP results and remedy performance results
- Recommendations for system modifications to improve performance, reduce costs, and/or increase the likelihood of site closeout

1.2 Brief Summary of Conceptual Site Model

OUCTP includes portions of three aquifers: the A-Aquifer, the Upper 180-Foot Aquifer, and the Lower 180-Foot Aquifer. OUCTP COCs for each aquifer are listed in Table 1; however, carbon tetrachloride (CT), with an ACL of 0.5 micrograms per liter ($\mu\text{g/L}$), is used to define the extent of the OUCTP area. This is because CT is historically the most frequently detected COC with a plume extent that encompasses the areas of all other detected COCs. No contamination has been observed in the 400-Foot Aquifer (MACTEC, 2006).

Depth to groundwater in the unconfined A-Aquifer is 24 feet to 175 feet below ground surface across the northern part of the former Fort Ord. Groundwater in the A-Aquifer flows from the south to the north and deviates to the west and east along a north-to-northeast-trending groundwater divide, which extends from the eastern portion of the Fort Ord Landfills to the former Fritzsche Army Airfield (now the

Marina Municipal Airport) (Figures 3 through 6). Groundwater west of the A-Aquifer divide flows toward the western edge of the Fort Ord Salinas Valley Aquitard (FO-SVA), where it enters the unconfined portion of the Upper 180-Foot Aquifer. Groundwater flowing east of the A-Aquifer divide eventually discharges to the Salinas River. The A-Aquifer lithology consists primarily of fine to medium well-sorted dune sands and is separated from the Upper 180-Foot Aquifer by the FO-SVA, which consists primarily of blue-gray plastic clay with interbedded units of fine sand. The FO-SVA Channel Low preferential pathway is present in the A-Aquifer and is one of the routes where CT has traveled downgradient toward the City of Marina (HGL, 2016).

CT was apparently disposed of at a location near what is now Lexington Court (within the former Fort Ord), possibly sometime in the 1950s as part of various training and maintenance activities where CT and other solvents were used (MACTEC, 2006). CT (and other volatile organic compounds [VOCs] to a lesser extent) entered the underlying A-Aquifer and migrated north along the western edge of the groundwater divide, then west-northwest parallel to Reservation Road.

Depth to groundwater in the Upper 180-Foot Aquifer is between 45 feet and 260 feet below ground surface across the northern part of the former Fort Ord. The lithology of the Upper 180-Foot Aquifer consists primarily of sandy deposits with some gravel approximately 60 feet thick and is separated from the Lower 180-Foot Aquifer by the Intermediate 180-Foot Aquitard, which consists primarily of silt and clay units. Groundwater in the Upper 180-Foot Aquifer flows eastward and southeastward (Figures 14 through 17). The plume migrated into the Upper 180-Foot Aquifer through two known vertical conduits in the FO-SVA, creating two distinct parallel plumes. These vertical conduits (monitoring wells installed with inadequate sanitary seals) were decommissioned in 1999 and 2005. The two parallel plumes commingled and continued to migrate southeastward toward a natural vertical conduit (a discontinuity in the Intermediate 180-Foot Aquitard) southeast of monitoring well MW-OU2-64-180.

The Lower 180-Foot Aquifer consists of approximately 200 feet of coarse sand and gravel. Significant local and regional pumping from this aquifer since the 1940s has resulted in seawater intrusion that extends to the northern portion of OUCTP and a reversal of natural groundwater flow direction. Groundwater flows to the east in the Lower 180-Foot Aquifer (Figures 25 through 28) but varies seasonally between northeast and southeast in response to increased agricultural pumping in the Salinas Valley. CT entered the Lower 180-Foot Aquifer likely through at least one of the same vertical conduits through which it entered the Upper 180-Foot Aquifer, and through the natural vertical conduit in the Intermediate 180-Foot Aquitard, creating two distinct plumes: one north and one south of Reservation Road. VOC concentrations associated with OUCTP in the Lower 180-Foot Aquifer south of Reservation Road are commingled with VOC concentrations associated with OU2.

1.3 Statement of Remedy Goals and Conditions for Terminating the Groundwater Remedy

Groundwater at OUCTP is considered a potential drinking water, industrial water, and agricultural water source under the *Water Quality Control Plan for the Central Coast Basin* (CCRWQCB, 2019), although the water is not currently being used for these purposes. Accordingly, the OUCTP groundwater remedy goals are to protect human health and comply with Federal and State laws and regulations by returning groundwater to a condition that will allow beneficial use, including potential future use as a drinking water source, as described in OUCTP ROD (Army, 2008). Specifically, the remedial action objective is to

remediate COCs in the A-Aquifer, Upper 180-Foot Aquifer, and Lower 180-Foot Aquifer to Federal or State drinking water Maximum Contaminant Levels (MCLs) or lower for some COCs. These goals are accomplished through EISB and monitored natural attenuation (MNA) in the A-Aquifer, hydraulic control and containment of contaminated groundwater through extraction and treatment of groundwater exceeding ACLs in the Upper 180-Foot Aquifer, and MNA in the Lower 180-Foot Aquifer. The OUCTP ROD also states that the achievement of the remedial action objectives would restore the beneficial uses of groundwater within and adjacent to OUCTP, and the ACLs are acceptable contaminant concentrations that, when achieved within a site, would reduce potential risks and comply with applicable or relevant and appropriate requirements. It is anticipated that the remedies will achieve the cleanup of the COCs to ACLs in groundwater at the OUCTP in 2041.

The OUCTP groundwater plume is characterized by the presence of eight COCs (Chloroform; CT; 1,1-dichloroethene [1,1-DCE]; methylene chloride; tetrachloroethene [PCE]; total 1,2-dichloroethene [total 1,2-DCE]; vinyl chloride [VC]; and trichloroethene [TCE]) in groundwater in the A-Aquifer, one COC (CT) in the Upper 180-Foot Aquifer, and two COCs (CT and 1,2-dichloroethane [1, 2-DCA]) in the Lower 180-Foot Aquifer at concentrations above their respective ACLs (Table 1).

Criteria for terminating the groundwater remedy are based on decision rules identified in the QAPP (Ahtna, 2023b and 2024g). During the remediation monitoring phase, groundwater monitoring wells and groundwater extraction (GWE) wells are sampled quarterly. GWE wells continue to operate if concentrations of any COC in the GWE well are greater than the corresponding ACL. A GWE well may be turned off if COC concentrations in the GWE well are less than ACLs for two consecutive quarterly monitoring events, and the well is not needed for hydraulic containment of the plume. The remediation monitoring phase is complete, and the attainment monitoring phase begins when four consecutive quarters of monitoring data show concentrations of all COCs in a well are less than or equal to their respective ACLs.² The attainment monitoring phase for a well is complete when concentrations of all COCs in the well meet one of the following statements:

- COC concentrations are less than or equal to their respective ACLs in eight consecutive monitoring events, and data analysis indicates COC concentrations are stable or declining³—or
- COC concentrations are below their respective limits of quantitation or below 10 percent of their respective ACLs, whichever is greater, in six consecutive monitoring events.

When the attainment monitoring phase for a well is complete, the well may be removed from the sampling program. If the well is no longer needed for groundwater elevation data, it will be proposed for decommissioning. The groundwater remedy termination metric to be evaluated will be whether the attainment monitoring phase is complete for all wells within each hydraulic zone at OUCTP,⁴ at which

² The remediation monitoring phase and the attainment monitoring phase are defined in the *Recommended Approach for Evaluating Completion of Groundwater Restoration Remedial Actions at a Groundwater Monitoring Well* (USEPA, 2014).

³ The eight consecutive monitoring events may include events completed during the remediation monitoring phase.

⁴ See the QAPP (Ahtna, 2023b and 2024g) for descriptions of OUCTP hydraulic zones. Maps of the OUCTP hydraulic zones in the A-Aquifer, Upper 180-Foot Aquifer, and Lower 180-Foot Aquifer are presented in Figures 8-11, 19-22, 30-33, respectively.

point the groundwater remedy for each aquifer may be terminated, and closure of the OUCTP groundwater remedies will be proposed in a remedial action completion report.

1.4 Remedy Description

The A-Aquifer, Upper 180-Foot Aquifer, and Lower 180-Foot Aquifer are impacted by OUCTP COCs (Table 1). The remedies for each aquifer are described in the OUCTP ROD (Army, 2008) and summarized below. In a letter dated September 3, 2013, the USEPA concurred with the Army's determination that the OUCTP remedies are "operating properly and successfully" and provided a remedy construction complete determination (USEPA, 2011 and 2013).

1.4.1 A-Aquifer—EISB

The OUCTP A-Aquifer groundwater remedy is EISB performed in six deployment areas (Pilot Study, 1A, 1B, 1C, 2A, and 2B) from 2007 to 2012, and MNA as described in the *Final Operable Unit Carbon Tetrachloride Plume A-Aquifer Remedial Action Construction Completion Report* (Shaw, 2012).⁵

In June 2015, eight new OUCTP A-Aquifer groundwater monitoring wells were installed to delineate the CT plume in the southeastern portion of the estimated plume extent near the groundwater divide. The results of this investigation indicated the CT plume had migrated further east and north than previously defined and it had the potential to migrate further. Therefore, EISB Deployment Area 3A was constructed in October 2016 and began operation in December 2016 according to the RAWP Addendum (AEI, 2016). Injection and recirculation of the sodium lactate substrate was completed in August 2017, after which the injection and recirculation system was shut down and long-term performance monitoring was initiated. The ten extraction wells and four monitoring wells within EISB Deployment Area 3A were monitored quarterly from the Third Quarter 2017 through the Fourth Quarter 2018. Detailed analysis of the results of the EISB treatment in Deployment Area 3A is presented in the *OUCTP Deployment Area 3A Data Summary Report, EISB* (AEI, 2020).

Groundwater in the A-Aquifer is monitored in select deployment area wells for post-EISB treatment water quality parameters as well as COCs. The measurement data is used to assess the effect of EISB on the aquifer and reduction of COC concentrations to support MNA as described in the *Final Operable Unit Carbon Tetrachloride Plume Remedial Action Work Plan, Former Fort Ord, California; Appendix A, Operable Unit Carbon Tetrachloride Plume A-Aquifer Remedial Design Addendum* (AES, 2014).

1.4.2 Upper 180-Foot Aquifer—Pump and Treat

The Upper 180-Foot Aquifer groundwater remedy has been in operation since September 2011 and includes one GWE well (EW-OU2-09-180) connected to the OU2 groundwater treatment system (GWTS). The extracted groundwater is treated with granular activated carbon as described in the OU2 Groundwater Monitoring and Treatment System Quarterly and Annual Reports. The OU2 groundwater treatment plant (GWTP) was transitioned from the old facility located at the western extent of the OU2 plume area to a new facility located at the Fort Ord Landfills. During the transition period (October 12 to November 21, 2018), the OU2 GWTS and EW-OU2-09-180 were offline; however, there were no significant changes in CT concentrations observed at EW-OU2-09-180 or nearby monitoring wells due to

⁵ EISB provides a substrate (carbon source) to the existing bacteria in the groundwater to support anaerobic degradation (reductive dechlorination) of COCs. Sodium lactate was used as the substrate in all of the OUCTP EISB deployment areas.

the OU2 GWTS being offline during the transition. EW-OU2-09-180 was offline during the entire reporting period due to a failed pump and compromised well screen in the Second Quarter of 2023. The well was converted to a monitoring well and was sampled during the Third Quarter 2024. A replacement Upper 180-Foot Aquifer extraction well (EW-OU2-13-180) became operational in the Fourth Quarter 2024 (Ahtna, 2024d).

1.4.3 Lower 180-Foot Aquifer—MNA

MNA was implemented as the groundwater remedy for the Lower 180-Foot Aquifer in March 2011 as described in the *Final Operable Unit Carbon Tetrachloride Plume, Lower 180-Foot Aquifer Remedial Design* (Shaw, 2010) and in the *Final Well Installation Completion Report, Operable Unit Carbon Tetrachloride Plume Lower 180-Foot Aquifer and Operable Unit 2* (AES, 2011). Additionally, there is a contingency plan for wellhead treatment of groundwater (via granular activated carbon or air stripping) at potable water supply wells that are extracting groundwater from the Lower 180-Foot Aquifer if COCs associated with OUCTP are detected at concentrations above the ACLs in these water supply wells (Shaw, 2010). Groundwater monitoring locations for each aquifer are shown in Figure 2.

1.4.4 Other Remedy Components

As specified in the OUCTP ROD (Army, 2008), the remedy includes institutional controls (i.e., deed restrictions) to prevent access or use of groundwater within the OUCTP area for any purpose until cleanup levels are met, and to maintain the integrity of any current or future remedial or monitoring system including monitoring, extraction, and injection wells.

2.0 Subsurface Performance Summary

2.1 Sampling Events Performed During this Reporting Period

This report summarizes OUCTP GWMP field and laboratory data gathered during four quarterly monitoring events. The monitoring events occurred as tabulated below.⁶

Scheduled GWMP Events

Event Description	Start Date	End Date
Fourth Quarter 2023	November 13, 2023	November 17, 2023
First Quarter 2024	February 12, 2024	February 16, 2024
Second Quarter 2024	May 13, 2024	May 17, 2024
Third Quarter 2024	August 19, 2024	August 23, 2024

2.2 Sampling Methodologies and Laboratory Analyses

The majority of the groundwater samples were collected using passive diffusion bags (PDBs) at groundwater monitoring wells and extraction wells where the extraction pump was removed.⁷ Vertical placement of a PDB within the well screen is designed to capture the highest COC concentration zone of the aquifer based on historical data from the saturated screen interval. If the well has two or more high (or similar) COC concentration zones, then hanging multiple PDBs or hanging PDBs at different sampling stations each quarter is necessary.

PDBs are placed at a designated depth using PDB sampler hardware consisting of a dedicated rope and stainless steel weight secured to the top of the well casing or well cap. The PDB hardware rope is fitted with PDB hanging stations, usually at 5-foot intervals in the well screen zone. Depth to water measurements taken prior to sample collection ensure proper placement and complete groundwater submersion of the PDB, which is necessary for representative data collection. Once sampling is completed, a new PDB for the next quarterly GWMP event (if the well is sampled quarterly) is hung at the appropriate station. PDBs are typically left in place for three months (but must remain in place for at least two weeks) before sampling.

Some monitoring wells are multiport wells with multiple screened zones across multiple aquifers. These multiport wells are sampled and monitored for depth to groundwater using a Westbay Instruments® multilevel groundwater monitoring system.

Select monitoring wells in the EISB deployment areas are also monitored for water quality parameters, including dissolved oxygen (DO), oxidation-reduction potential (ORP), pH, specific conductance, temperature, and turbidity (AES, 2014). A downhole water quality meter is used to measure the water quality parameters at each of the wells after they are sampled with PDBs. Water quality parameter measurements are collected from the center of the saturated well screen interval. The decision rules for

⁶ The listed start and end dates are the scheduled GWMP event dates. Additional samples may be collected after the scheduled end date for technical reasons (see Section 2.3 and Table 3).

⁷ Currently, there are no active extraction wells on the OUCTP site and OUCTP extraction wells are sampled using PDBs.

determining the monitoring frequency for post-treatment groundwater quality parameters are identified in the QAPP (Ahtna, 2023b and 2024g).

Samples from operable Fort Ord supply wells are collected from a designated sampling spigot at the wellhead, which is turned online for a sufficient time before sampling to remove stagnant water from pumping and sampling pipes. Sampling standard operating procedures and the monitoring schedule for the OUCTP GWMP are in the QAPP (Ahtna, 2023b and 2024g).

SGS North America, Inc. (SGS) performed analyses for the OUCTP GWMP. SGS is accredited through the Department of Defense (DoD) Environmental Laboratory Accreditation Program (ELAP). The SGS DoD ELAP accreditation information is provided in the QAPP (Ahtna, 2023b and 2024g). OUCTP GWMP samples are analyzed for a project-specific list of OUCTP COCs (Table 1) by USEPA Method 8260 SIM (selected ion monitoring).

2.3 Deviations from the QAPP

The scheduled GWMP sample locations are listed in Table 2. Changes in the GWMP during the reporting period are listed in Table 3. Deviations from the QAPP (Ahtna, 2023b and 2024g) only involved the monitoring schedule. There were no deviations that would affect data quality or result interpretation. The groundwater monitoring well sampling schedule is adjusted periodically to fill data gaps or reduce sampling frequency at locations that have historically low COC concentrations. These adjustments are made based on analyses of historical results at each sampling point and comparison to decision rules in the QAPP (Ahtna, 2023b and 2024g). Adjustments to the groundwater monitoring well sampling schedule during the reporting period included:

- A-Aquifer monitoring well MW-40A-02-A was sampled during the First Quarter 2024 GWMP event to further evaluate the extent of the OUCTP in A-Aquifer Hydraulic Zone 2 (Section 2.5.1).
- Depth to water was measured at six additional monitoring wells (MP-BW-42-295, MP-BW-42-314, MP-BW-42-400, MP-BW-50-289, MP-BW-50-309, and MP-BW-50-359) during the First Quarter 2024 GWMP event (Table 5 and Figure 4).
- A-Aquifer monitoring wells MW-BW-77-A, MW-BW-78-A, and MW-BW-83-A were sampled during the Second Quarter 2024 GWMP event to further evaluate the extent of the OUCTP in A-Aquifer Hydraulic Zone 5 (Section 2.5.1).
- Upper 180-Foot Aquifer extraction well EW-OU2-09-180 was only sampled during the Third Quarter 2024 due to a failed pump and compromised well screen (Section 2.5.2).
- Upper 180-Foot Aquifer extraction well EW-OU2-13-180 construction began during the Third Quarter 2024 and baseline samples were collected throughout the saturated screen interval (Section 2.5.2).

2.4 Well Maintenance

Field teams evaluated the physical integrity of each well during routine monitoring activities to ensure collection of representative samples, aquifer protection from potential exposure to surface contaminants, and safe access to the well by field technicians. Well maintenance notes and repairs are shown in Table 4.

2.5 Sampling Results and Interpretation

2.5.1 A-Aquifer

Water Levels

Depth to groundwater measurements were collected from 98 OUCTP A-Aquifer wells during the reporting period. Measurements and calculated groundwater elevations are presented in Table 5. Groundwater elevation contours for the OUCTP A-Aquifer during the reporting period are presented in Figures 3 through 6. Hydrographs of representative A-Aquifer wells in Figure 7 show relatively stable groundwater elevations in the A-Aquifer over time, though with a downward trend. Groundwater elevations increased by 0.22 of a foot on average since the Second Quarter 2024 (Ahtna, 2024e) and increased by 0.80 of a foot on average compared to Third Quarter 2023 (Ahtna, 2024h). The average OUCTP A-Aquifer groundwater elevation has increased 4.7 ft since the Second Quarter 2015, which was the lowest groundwater elevation observed in the last twelve years.

During the reporting period, groundwater elevations and flow directions in the A-Aquifer were consistent with previous trends. Groundwater elevations in the A-Aquifer do not exhibit significant seasonal variation, likely due to the thick vadose zone (up to 175 feet) that appears to buffer precipitation infiltration over time and no seasonal increased pumping of the aquifer. With the exception of the western A-Aquifer near the edge of the FO-SVA, where groundwater elevations were consistent throughout the period of the hydrograph, elevations have exhibited a decreasing trend since reaching relative highs during El Niño-related precipitation in 1997 and 1998 and reached historic lows between the Third Quarter 2015 and Fourth Quarter 2016.

Local drought conditions led to less than normal precipitation in the 2012-2015 water years.⁸ Average and above-average precipitation occurred in the 2016-2019 water years (except for 2018, which was below normal precipitation levels). A decrease in average precipitation occurred in the 2020-2023 water years. Average Monterey County drought intensity was categorized as shown in the table below, ranging from “None: No Drought” to “D4: Exceptional Drought”. Drought intensity worsened from the 2012 water year and peaked during the 2015 water year, with 65 percent of Monterey County categorized as “D4: Exceptional Drought” conditions. Dramatic drought condition improvement was seen in the 2017 water year, with 48 percent of Monterey County experiencing “None: No Drought” conditions. This drought improvement continued until the 2021 water year when 34 percent of Monterey County was in “D3: Extreme Drought,” and by the 2023 water year, 89 percent of Monterey County was experiencing severe to exceptional drought. Drought conditions improved in the 2023 and 2024 water years, with 59 and 98 percent of Monterey County respectively having “None: No Drought” conditions.

⁸ Water Year: time period of 12 months from October 1 through September 30 for which precipitation totals are measured.

Local Precipitation Drought Conditions—Water Years 2012 through 2023

Water Year	Percent of Average Precipitation in California Central Coast Salinas River ⁹	Percent Area Covered in California: Average Drought Intensity ¹⁰					
		None: No Drought	D0: Abnormally Dry	D1: Moderate Drought	D2: Severe Drought	D3: Extreme Drought	D4: Exceptional Drought
2012	67	24	9	58	9	0	0
2013	64	4	21	42	27	6	0
2014	51	0	0	0	15	23	61
2015	71	0	0	0	7	28	65
2016	107	0	0	10	10	25	55
2017	176	48	18	18	7	6	14
2018	67	31	63	5	0	0	0
2019	143	62	18	20	0	0	0
2020	79	77	23	0	0	0	0
2021	56	11	25	21	9	34	1
2022	68	0	0	12	54	34	1
2023	212	59	8	7	19	7	0
2024	127	98	2	0	0	0	0

Groundwater COC Concentrations

The following summarizes GWMP events during the reporting period.

- During the Fourth Quarter 2023, groundwater samples were collected at 42 OUCTP A-Aquifer well locations. Analytical results for these samples are presented in Table 6. CT concentrations and COC contours at the ACL are shown in Figure 8.
- During the First Quarter 2024 groundwater samples were collected at 44 OUCTP A-Aquifer well locations. Analytical results for these samples are presented in Table 7. CT concentrations and COC contours at the ACL are shown in Figure 9.
- During the Second Quarter 2024 groundwater samples were collected at 46 OUCTP A-Aquifer well locations. Analytical results for these samples are presented in Table 8. CT concentrations and COC contours at the ACL are shown in Figure 10.
- During the Third Quarter 2024, groundwater samples were collected at 57 OUCTP A-Aquifer well locations. Analytical results for these samples are presented in Table 9. CT concentrations and COC contours at the ACL are shown in Figure 11.

⁹ Source (DWR, 2012 to 2024).

¹⁰ Source (NIDIS, 2024).

Figure 12 shows historical and current CT ACL exceedance contours. The Validation Summary Reports (VSRs) are presented in Appendix A.¹¹ Appendix B contains CT historical trend charts for selected OUCTP monitoring wells. Below is a summary of COC analytical results at the OUCTP A-Aquifer for the Third Quarter 2024.

Two of the eight COCs (CT and VC) were detected at concentrations above their ACLs in the OUCTP A-Aquifer during the Third Quarter 2024. The other six COCs were either detected at concentrations below their ACLs or were ND in the OUCTP A-Aquifer (Table 9). The maximum concentration of each COC in the Third Quarter 2023 is summarized in the table below.

Maximum COC Concentrations for the OUCTP A-Aquifer, Third Quarter 2024

COC Name	ACL (µg/L)	Maximum Concentration (µg/L)		Locations Above ACL	Locations with Detections	Additional Comments
		Result ¹²	Location			
1,1-DCE	6.0	ND ¹³	N/A ¹⁴	0	0%	No detections in the A-Aquifer
Total 1,2-DCE	6.0	0.30 J	EW-BW-135-A	0	5%	EISB Deployment Area 2A
CT	0.5	2.8	MW-BW-80-A	16	61%	Downgradient of EISB Pilot Test Area
Chloroform	2.0	1.9	MW-BW-35-A	0	23%	Downgradient of EISB Deployment Area 2B
Methylene chloride	5.0	ND ¹⁴	N/A ¹⁵	0	0%	No detections in the A-Aquifer
PCE	5.0	ND	N/A	0	0%	No detections in the A-Aquifer
TCE	5.0	2.1	MW-BW-96-A	0	25%	Downgradient of EISB Deployment Area 2B
VC	0.1	0.45	MW-BW-103-A	1	2%	Downgradient of EISB Deployment Area 3A

Two of the eight OUCTP A-Aquifer COCs (CT and VC) were detected at concentrations exceeding their respective ACLs during the reporting period. The remaining six OUCTP A-Aquifer COCs were detected at concentrations at or below their respective ACLs or were ND in the OUCTP A-Aquifer (Tables 6 through 9). Figures 8 through 11 show CT detections and detections of COCs other than CT that exceeded their

¹¹ The laboratory reports and VSRs for the Third Quarter 2024 are located in Appendix A. VSRs and laboratory reports for the previous quarters in the reporting period are appended to the corresponding quarterly report (Ahtna, 2024b; 2024c; and 2024e).

¹² See Section 2.5.5 for more information about data qualifiers.

¹³ ND: Not detected at monitoring or extraction well locations during the reporting period. A detection is a concentration at or above the laboratory limit of detection.

¹⁴ N/A: not applicable.

respective ACLs during the reporting period, and the validation qualifiers as described in Appendix A. The maximum concentration of each COC in the reporting period is summarized in the table below.

Maximum COC Concentrations for the OUCTP A-Aquifer, 2023-4Q through 2024-3Q

COC Name	ACL (µg/L)	Maximum Concentration (µg/L)		Quarter Identified	Additional Comments
		Result ¹⁵	Location		
1,1-DCE	6.0	ND	N/A	N/A	No detections in the A-Aquifer; the last detection was in the 2016-2017 reporting period at MW-BW-50-A.
Total 1,2-DCE	6.0	0.30 J	EW-BW-135-A	2024-3Q	Located in EISB Deployment Area 2A; concentration is comparable to the previous reporting period (Ahtna, 2024h).
CT	0.5	4.2	MW-BW-80-A	2024-2Q	Downgradient of EISB Pilot Study Area; concentration decreased compared to the previous reporting period (Ahtna, 2024h).
Chloroform	2.0	1.9	MW-BW-35-A	2024-3Q	Downgradient of EISB 2B Area; concentration decreased compared to the previous reporting period (Ahtna, 2024h).
Methylene chloride	5.0	ND	N/A	NA	No detections in the A-Aquifer; the last detection was in the 2022-2023 reporting period at MW-BW-80-A (Ahtna, 2024h).
PCE	5.0	0.14 J	EW-BW-129-A	2024-2Q	EISB Deployment Area 2A. PCE was also detected at MW-BW-17-A, MW-BW-26-A, and EW-BW-124-A.
TCE	5.0	2.8	EW-BW-96-A	2023-4Q	Downgradient of EISB Deployment Area 2B. TCE concentration decreased compared to the previous reporting period (Ahtna, 2024h).
VC	0.1	0.79	MW-BW-103-A	2024-2Q	Downgradient of EISB Deployment Area 3A; VC ND during previous reporting period (Ahtna, 2024h).

¹⁵ See Section 2.5.5 for more information about data qualifiers.

The maximum concentrations of COCs detected during the reporting period were generally consistent with the maximum COC concentrations detected in the previous reporting period (Ahtna, 2024h) and generally occurred at the same wells or within the same hydraulic zone.

Select A-Aquifer monitoring well COC concentration trends that are representative of each hydraulic zone are presented in Appendix B.¹⁶ The extent of the CT plume remained relatively stable through the reporting period. The CT A-Aquifer plume changes during the reporting period are described below according to hydraulic zone as shown in the QAPP (Ahtna, 2023b and 2024g), in Figures 8 through 11, and summarized in Appendix B (Table B2):

- **Hydraulic Zone 1:** This area encompasses the Lexington Court source area and EISB Deployment Areas 1A, 1B, and 1C (Figure 13). The CT plume remained the same during the first three quarters of the reporting period, with concentrations of CT consistently above the ACL at EW-BW-109-A (Figures 8 through 10, Tables 6 through 8, and Appendix B, Figure B3). During the Third Quarter 2024, the CT concentration at EW-BW-109-A decreased below the ACL. EW-BW-109-A was the only well with CT concentrations above the ACL in Hydraulic Zone 1 (Appendix B, Table B3). This well is not connected to the main CT plume due to CT concentrations below the ACL in several wells to the north. Monitoring wells in EISB Deployment Areas 1A and 1B have been removed from the GWMP due to low CT concentrations; however, wells in EISB Deployment Area 1C continue to be monitored. During the reporting period, the maximum CT concentration was 0.68 µg/L at EW-BW-109-A in the Second Quarter of 2024 with a decreasing trend (Appendix B, Table B2, and Figure B3).
- **Hydraulic Zone 2:** This area encompasses a portion of EISB Deployment Area 3A and downgradient areas east of the groundwater divide (Figure 13).¹⁷ The extent of the CT plume in this area was consistent during the reporting period (Figures 8 through 11) when CT concentrations were detected above the ACL at some monitoring wells (Figures 8 through 11). During the reporting period, four monitoring wells in this area consistently had concentrations of CT that were above the ACL, with a maximum concentration of 2.2 µg/L at MW-BW-87-A in the Fourth Quarter 2023, with a decreasing trend (Appendix B, Table B2, and Figure B39). Other wells with CT concentrations above the ACL in Hydraulic Zone 2 had inconclusive or decreasing trends, except for MW-BW-58-A (Appendix B, Table B2). EW-BW-160-A and MW-BW-85-A intermittently have CT concentrations above the ACL. These two wells are separate from the main CT plume due to groundwater flow direction in this area moving from southwest to northeast. CT is not present or is not exceeding the ACL south of these two wells. The CT plume appears to be migrating to the northeast, as indicated by CT concentrations in new monitoring wells MW-BW-101-A and MW-BW-102-A. These two wells have been monitored for a year and have an inconclusive CT trend (Appendix B, Figure B48 and B49). The maximum CT concentration at MW-BW-101-A was 0.98 µg/L during the reporting period (Appendix B, Table B2). A-Aquifer monitoring well MW-40A-02-A was sampled during the First Quarter 2024 GWMP event to further evaluate the extent of the OUCTP in A-Aquifer Hydraulic Zone 2. CT was ND and no other COC ACL exceedances were reported for MW-40A-02-A during the First Quarter 2024

¹⁶ Hydraulic zones are based on the zone of groundwater with COC concentrations above ACLs and influenced by the groundwater remedy.

¹⁷ EISB treatment at Deployment Area 3A was conducted from 2016 to 2017 (see EISB Post-Treatment and Long-Term Monitoring below).

GWMP event (Table 7 and Figure 9). VC was detected at concentrations exceeding the ACL in MW-BW-102-A and MW-BW-103-A during the Fourth Quarter 2023. VC in MW-BW-102-A was ND during the rest of the reporting period. The concentration of VC at MW-BW-103-A was above ACL for the remainder of the reporting period, except for the First Quarter 2024. The maximum concentration of VC at MW-BW-103-A was 0.79 µg/L during the Second Quarter 2024 (Table 8).

- **Hydraulic Zone 3:** This area encompasses a portion of EISB Deployment Area 3A and downgradient areas west of the groundwater divide (Figure 13). The extent of the CT plume in this area was consistent during the reporting period (Figures 8 through 11). During the reporting period, three monitoring wells in this area had CT concentrations above the ACL, with the maximum CT concentration of 1.1 µg/L detected at MW-BW-88-A in the Fourth Quarter 2023, with a decreasing trend (Appendix B, Table B2, and Figure B40). Other wells with CT concentrations above the ACL in Hydraulic Zone 3 had inconclusive or increasing trends (Appendix B, Table B2).
- **Hydraulic Zone 4:** This area encompasses the central part of the CT plume, including EISB Deployment Areas 2A and 2B and downgradient areas (Figure 13). The extent of the CT plume remained constant during the first three quarters of the reporting period (Figures 8 through 10). During the Third Quarter of 2024 the CT plume extent in Hydraulic Zone 4 decreased with CT concentrations at MW-BW-32-A and MW-BW-36-A decreasing below the ACL. During the reporting period, CT was detected at concentrations above the ACL in six monitoring wells, with the maximum CT concentration of 1.4 µg/L detected at MW-BW-26-A in the Second Quarter 2024 event with a decreasing trend (Appendix B, Table B2, and Figure B20). Other wells with CT concentrations above the ACL in Hydraulic Zone 4 had inconclusive or decreasing trends (Appendix B, Table B2).
- **Hydraulic Zone 5:** This area encompasses the EISB Pilot Study area and downgradient areas in the City of Marina (Figure 13). The extent of the CT plume in this area was not consistent during the reporting period. The CT plume was at a minimum extent during the Fourth Quarter 2023 with only three wells having CT concentrations exceeding the ACL. These three wells are not adjacent to each other and therefore defined three separate CT plumes in Hydraulic Zone 5 (Figure 8). During the First Quarter 2024, the concentration of CT at MW-BW-79-A exceeded the ACL, which increased the plume extent between EISB-EW-09 and MW-BW-49-A. Monitoring wells MW-BW-77-A, MW-BW-78-A, and MW-BW-83-A were sampled during the Second Quarter 2024 GWMP event to further evaluate the extent of the OUCTP in Hydraulic Zone 5. CT was detected at MW-BW-77-A at a concentration below the ACL. CT was ND at MW-BW-78-A and MW-BW-83-A and there were no other COC ACL exceedances at these three wells (Table 9 and Figure 10). The main plume area in Hydraulic Zone 5 has generally been defined by one to five wells around MW-BW-75-A during the reporting period (Figures 8 through 11). During the reporting period, CT was at a maximum concentration of 4.2 µg/L at MW-BW-80-A in the Second Quarter 2024 event with an inconclusive trend (Appendix B, Table B2 and Figure B34). The remaining wells had inconclusive trends, except for EISB-EW-09 with a decreasing trend (Appendix B, Table B2 and Figure B2) and MW-BW-74-A with an increasing trend (Appendix B, Table B2 and Figure B29) in Hydraulic Zone 5 (Appendix B, Table B2).

EISB Post-Treatment and Long-Term Monitoring

EISB was conducted between 2008 and 2012 and again from 2016 to 2017. Post-treatment and long-term monitoring are conducted at selected wells in each of the seven deployment areas (Pilot Study, 1A, 1B, 1C, 2A, 2B, and 3A) within the OUCTP A-Aquifer (Figure 13). Water quality parameters are measured with a downhole meter at each well to collect DO, ORP, pH, specific conductance, temperature, and turbidity. These wells are also monitored for COCs with PDBs. DO, ORP, and COC data for each well and each deployment area are evaluated for enhanced biodegradation and potential COC rebound in the OUCTP A-Aquifer.

Within each deployment area, DO and ORP return to baseline levels as untreated groundwater enters the area. The conditions in the downgradient wells (Pilot Study Area and Deployment Areas 2A and 2B) are more favorable for EISB, as indicated by lower DO and ORP values. Table 10 and Figure 13 show the EISB post-treatment parameter results during the reporting period. Monitoring results are summarized below:

- **Pilot Study Area:** Treatment was conducted from January to April 2008.¹⁸ Two wells (EISB-EW-12 and EISB-EW-15) were monitored quarterly for water quality parameters in the EISB Pilot Study area during the reporting period. DO concentrations at EISB-EW-12 increased and remained stable at EISB-EW-15, and ORP concentrations varied at these wells during the reporting period. DO and ORP concentrations indicate reducing conditions are not present, though both DO and ORP concentrations increased compared to the previous reporting period (Ahtna, 2024h). CT concentrations in wells in the Pilot Study Area were generally below the ACL except at EISB-EW-09 (Figures 8 through 11), with the maximum CT concentration during the reporting period of 0.83 µg/L at EISB-EW-09. CT concentrations downgradient of the Pilot Study Area within the City of Marina were relatively consistent at MW-BW-75-A but varied seasonally at MW-BW-80-A during the reporting period (Appendix B, Figures B30 and B34).
- **Deployment Area 1A:** Treatment was conducted from September to November 2009, and post-treatment monitoring was completed in 2016. Long-term monitoring in Deployment Area 1A was completed in 2018, and no wells were monitored for water quality parameters during the reporting period.
- **Deployment Area 1B:** Treatment was conducted from March to June 2010, and post-treatment monitoring was completed in 2017. Long-term monitoring in Deployment Area 1B was completed in 2018, and no wells were monitored for water quality parameters during the reporting period.
- **Deployment Area 1C:** Treatment was conducted from August to November 2010. One well (EW-BW-159-A) was monitored for water quality parameters in Deployment Area 1C during the reporting period. The DO and ORP concentrations decreased during the reporting period. The DO concentrations at the monitored well were comparable to the previous reporting period. The ORP concentrations changed seasonally and indicate the presence of limited reducing conditions within this area (Ahtna, 2024h and Table 10). A decreasing CT concentration trend was observed at one location in Deployment Area 1C (EW-BW-109-A), with a maximum concentration of 0.68 µg/L during the reporting period (Appendix B, Figure B3).

¹⁸ Treatment includes substrate injection and recirculation.

- **Deployment Area 2A:** Treatment was conducted from February to June 2011. Three wells (EW-BW-124-A, EW-BW-135-A, and EW-BW-144-A) were monitored quarterly for water quality parameters in Deployment Area 2A during the reporting period. The DO and ORP concentrations were variable in all three wells and there are no consistent trends among them (Table 10). CT was detected at concentrations above the ACL at two locations in EISB Deployment Area 2A during the reporting period (EW-BW-129-A and MW-BW-26-A), with a maximum CT concentration of 1.4 µg/L at MW-BW-26-A. CT concentrations have been consistently above the ACL at both wells (Appendix B, Figures B5 and B16).
- **Deployment Area 2B:** Treatment was conducted from November 2011 to March 2012. Two wells (EW-BW-149-A and EW-BW-155-A) were monitored for water quality parameters in Deployment Area 2B during the reporting period. The DO increased at EW-BW-149-A and ORP was consistent during the reporting period but were lower than the previous reporting period (Ahtna, 2024h), indicating limited reducing conditions are persisting in this area (Table 10). CT was ND in Deployment Area 2B during the reporting period.
- **Deployment Area 3A:** Treatment was conducted from December 2016 to August 2017. Three wells (EW-BW-160-A, EW-BW-161-A, and EW-BW-164-A) in Deployment Area 3A were monitored for water quality parameters during the reporting period. DO and ORP concentrations increased at EW-BW-160-A and EW-BW-161-A, while the DO and ORP decreased at EW-BW-164-A during the reporting period. CT was above the ACL at two locations during the reporting period (EW-BW-160-A and MW-BW-87-A) with a maximum CT concentration of 2.2 µg/L at MW-BW-87-A, though decreasing CT concentration trends were observed at both wells (Appendix B, Figures B11 and B39).

2.5.2 Upper 180-Foot Aquifer

Water Levels

Depth to groundwater measurements were collected from 32 OUCTP Upper 180-Foot Aquifer wells during the reporting period. Measurements and calculated groundwater elevations are presented in Table 5. Groundwater elevation contours for the OUCTP Upper 180-Foot Aquifer are presented in Figures 14 through 17 and were consistent with previous contours. (Ahtna, 2024h) Hydrographs of representative Upper 180-Foot Aquifer wells are shown in Figure 18. Groundwater elevations decreased by -3.07 feet on average since the Second Quarter 2024 (Ahtna, 2024e) and increased by 1.03 feet on average compared to Third Quarter 2023 (Ahtna, 2024h). The average OUCTP Upper 180-Foot Aquifer groundwater elevation for all monitoring wells follows a seasonal cycle, with elevations at their peak in the First Quarter (March) and at their lowest in the Third Quarter (September) each year.

During the reporting period, groundwater elevations and flow directions in the eastern Upper 180-Foot Aquifer were consistent with previous trends. The hydrographs presented in Figure 18 illustrate the variability in Upper 180-Foot Aquifer groundwater elevations at OUCTP from September 1999 through September 2024. Groundwater elevations in the eastern Upper 180-Foot Aquifer fluctuate seasonally in response to variations in precipitation and drainage through the natural discontinuity in the Intermediate 180-Foot Aquitard to the Lower 180-Foot Aquifer due to local pumping from active supply wells and regional pumping from the Salinas Valley (HLA, 1995 and MACTEC, 2006).

Groundwater COC Concentrations

The following summarizes GWMP events during the reporting period.

- During the Fourth Quarter 2023, groundwater samples were collected at eight OUCTP Upper 180-Foot Aquifer well locations. Analytical results for these samples are presented in Table 11. CT concentrations and COC contours at the ACL are shown in Figure 19.
- During the First Quarter 2024, groundwater samples were collected at eight OUCTP Upper 180-Foot Aquifer well locations. Analytical results for these samples are presented in Table 11. CT concentrations and COC contours at the ACL are shown in Figure 20.
- During the Second Quarter 2024, groundwater samples were collected at eight OUCTP Upper 180-Foot Aquifer well locations. Analytical results for these samples are presented in Table 11. CT concentrations and COC contours at the ACL are shown in Figure 21.
- During the Third Quarter 2024, groundwater samples were collected at thirteen OUCTP Upper 180-Foot Aquifer well locations. Analytical results for these samples are presented in Table 11. CT concentrations and COC contours at the ACL are shown in Figure 22.

Figure 23 shows historical and current CT ACL exceedance contours in the Upper 180-Foot Aquifer. A summary of analytical data collected during the reporting period is presented in Tables 6 through 12 with the VSR presented in Appendix A. Appendix B contains CT historical trend charts for selected OUCTP monitoring wells.

The maximum CT concentration detected in the Third Quarter 2024 was 2.3 µg/L at MP-BW-46-170 (Table 11 and Figure 22). The maximum CT concentration detected during the reporting period was 3.4 µg/L at MW-OU2-64-180 in the Second Quarter 2024 (Table 11 and Figure 19), which decreased compared to the maximum CT concentration during the previous reporting period (Ahtna, 2024h). A detailed discussion of the CT plumes and trends in the OUCTP Upper 180-Foot Aquifer is presented below for Hydraulic Zone 6 as shown in the QAPP (Ahtna, 2023b and 2024g), Figures 19 through 22, and summarized in Appendix B (Table B2).

OUCTP Upper 180-Foot Aquifer Hydraulic Zone 6 encompasses two distinct CT plumes, which were historically one plume (Figure 23). The CT plumes were similar in extent during the reporting period (Figures 19 through 22) and during the previous reporting period (Ahtna, 2024h). CT concentrations were above the ACL at three monitoring wells in the Upper 180-Foot Aquifer during the reporting period (Appendix B, Table B2). Two of the wells (MW-OU2-64-180 and MP-BW-46-170) had inconclusive trends. A new Upper 180-Foot Aquifer (EW-OU2-13-180) extraction well that was installed in the Third Quarter 2024 and was profile sampled to determine the proper placement of the submersible pump (Appendix B, Table B2).

EW-OU2-09-180 was an extraction well installed in 2011 for the OUCTP Upper 180-Foot Aquifer remedy and is located between the two CT plumes. CT was ND in this well until 2014. Since then, there have been several estimated detections at concentrations below the ACL, with the historical maximum of 0.21 µg/L detected in 2016; however, CT has been ND since 2018 (except for the Fourth Quarter 2020 event). The well screen in EW-OU2-09-180 failed in the Second Quarter of 2023 (Ahtna, 2024h). EW-OU2-09-180 was converted from an extraction well to an Upper 180-Foot Aquifer monitoring well and profile sampled using PDBs in the saturated screen interval in the Third Quarter 2024. CT was ND in all samples (Table 11 and Figure 11). Construction of new extraction well EW-OU2-13-180 began during

Third Quarter 2024. Baseline samples were collected during the Third Quarter 2024 using PDBs to profile the saturated screen interval. CT was detected at concentrations above the ACL throughout the saturated screen interval (Table 11 and Figure 22). EW-OU2-13-180 is expected to be fully operational in the Fourth Quarter 2024.

2.5.3 Lower 180-Foot Aquifer

Water Levels

Depth to groundwater measurements were collected from 32 OUCTP Lower 180-Foot/400-Foot Aquifers wells during the reporting period. Measurements and calculated groundwater elevations are presented in Table 5. Groundwater elevation contours for the OUCTP Lower 180-Foot/400-Foot Aquifers are presented in Figures 25 through 28, and hydrographs of representative Lower 180-Foot Aquifer monitoring wells are presented in Figure 29. Groundwater elevations decreased by 4.17 feet on average since the Second Quarter 2024 (Ahtna, 2024e) and increased by 1.94 feet on average compared to Third Quarter 2023 (Ahtna, 2024h). The average OUCTP Lower 180-Foot/400-Foot Aquifers groundwater elevation for all monitoring wells follows a seasonal cycle with elevations at their peak in the First Quarter (March) and at their lowest in the Third Quarter (September), similar to the Upper 180-Foot Aquifer.

During the reporting period, groundwater elevations and flow directions in the Lower 180-Foot Aquifer were consistent with previous trends. The hydrographs presented in Figure 29 illustrate the variability in Lower 180-Foot Aquifer groundwater elevations at OUCTP from February 1997 through September 2024. Groundwater elevations in the eastern Lower 180-Foot Aquifer fluctuate seasonally in response to variations in precipitation, pumping from active local supply wells, and regional agricultural pumping in the Salinas Valley.

Groundwater COC Concentrations

The Lower 180-Foot Aquifer COCs are CT and 1,2-DCA. Though not a COC, TCE is monitored to evaluate for potential impacts to downgradient supply wells. Typically, CT and TCE concentrations vary seasonally, consistent with the seasonal variations in groundwater elevations described above.

The following summarizes GWMP events during the reporting period.

- During the Fourth Quarter 2023, groundwater samples were collected at 17 OUCTP Lower 180-Foot Aquifer well/multiport locations. Analytical results for these samples are presented in Table 12. CT and TCE concentrations and COC contours at the ACL are shown in Figure 30.
- During the First Quarter 2024, groundwater samples were collected at 17 OUCTP Lower 180-Foot Aquifer well/multiport locations. Analytical results for these samples are presented in Table 12. CT and TCE concentrations and COC contours at the ACL are shown in Figure 31.
- During the Second Quarter 2024, groundwater samples were collected at 17 OUCTP Lower 180-Foot Aquifer well/multiport locations. Analytical results for these samples are presented in Table 12. CT and TCE concentrations and COC contours at the ACL are shown in Figure 32.
- During the Third Quarter 2024, groundwater samples were collected at 18 OUCTP Lower 180-Foot Aquifer well/multiport locations. Analytical results for these samples are presented in Table 12. CT and TCE concentrations and COC contours at the ACL are shown in Figure 33.

Figure 34 shows historical and current CT ACL exceedance contours. The VSRs are presented in Appendix A. Appendix B contains CT historical trend charts for selected OUCTP monitoring wells.

The maximum CT concentration detected in the Lower 180-Foot Aquifer for the Third Quarter 2024 (1.6 µg/L) and the reporting period (1.8 µg/L in the Fourth Quarter 2023) were detected at MP-BW-49-316. The maximum CT concentration detected during the reporting period decreased compared to the previous reporting period (Ahtna, 2024h).

During the reporting period, 1,2-DCA was ND in the OUCTP Lower 180-Foot Aquifer (Table 12) similar to the previous reporting period (Ahtna, 2024h).

TCE is not a COC for OUCTP in the Lower 180-Foot Aquifer; however, TCE concentrations are monitored to evaluate potential impacts to downgradient Fort Ord supply wells FO-29, FO-30, and FO-31, as discussed in Section 2.5.4 and shown in Figures 30 through 33. The maximum TCE concentrations for the Lower 180-Foot Aquifer for the Third Quarter 2024 (8.4 µg/L) and for the reporting period (9.8 µg/L in the Second Quarter 2024) were detected at MW-BW-59-180. TCE was detected above the MCL in one Lower 180-Foot Aquifer well (MW-BW-59-180) during the reporting period and was comparable to the previous reporting period (Ahtna, 2024h).¹⁹

A detailed discussion of the CT plumes and trends in the OUCTP Lower 180-Foot Aquifer is presented below according to hydraulic zone, as shown in the QAPP (Ahtna, 2023b and 2024g), in Figures 30 through 33, and summarized in Appendix B (Table B2):

- **Hydraulic Zone 7:** The southern CT plume monitoring area is encompassed by Hydraulic Zone 7 (Figures 30 through 33). The extent of the southern CT plume during the reporting period decreased during the Fourth Quarter 2023 and First Quarter 2024 when the CT concentration was below the ACL at MP-BW-50-339 (Figures 31 and 32). Four monitoring wells had CT concentrations above the ACL during the reporting period, with the maximum CT concentration of 1.8 µg/L at MP-BW-49-316 during the Fourth Quarter 2023 event with an inconclusive trend (Table B2 and Figure B66). Other wells with CT concentrations above the ACL in Hydraulic Zone 7 had inconclusive CT trends (Table B2).
- **Hydraulic Zone 8:** The northern CT plume monitoring area is encompassed by Hydraulic Zone 8 (Figures 30 through 33). A CT plume is no longer present in Hydraulic Zone 8 (Figure 34) and all monitoring wells in this hydraulic zone have met QAPP decision rules for removal from the GWMP.

2.5.4 Supply Wells

Water supply wells located on the former Fort Ord include FO-29, FO-30, and FO-31 are owned and operated by the Marina Coast Water District. These wells are downgradient of VOC concentrations associated with OU2 and OUCTP in the Lower 180-Foot Aquifer (Figures 30 through 33).²⁰

¹⁹ The MCL is the maximum concentration of a chemical that is allowed in public drinking water systems. Federal MCLs are established by USEPA and California MCLs are established by the State Department of Public Health. The Federal and California MCL for TCE is 5.0 µg/L.

²⁰ The supply wells continue to be referred to as FO-29, FO-30, and FO-31 in the GWMP, though they have been renamed by the Marina Coast Water District as 29(A), 30(B), and 31(C), respectively.

The maximum detected TCE concentration for the reporting period was 1.8 µg/L in the sample collected from FO-29 in the Fourth Quarter 2023 (Table 12). TCE was first detected at FO-29 in 2000 (Appendix B, Figure B62). Detected TCE concentrations at FO-30 and FO-31 are lower, ranging from 0.37 J to 0.48 µg/L at FO-30 and 0.95 to 1.3 µg/L at FO-31 during the reporting period (Table 12). TCE has not been detected at the supply wells at concentrations exceeding the MCL of 5.0 µg/L.

The maximum detected CT concentration for the reporting period was at 0.20 J µg/L at FO-29 in the First Quarter 2024 (Table 12). CT was ND until 2016 at FO-29 and FO-30 and until 2017 at FO-31 (Appendix B, Figures B60, B61, and B62). CT concentrations at the supply wells remain estimated below the limit of quantitation and have been below the ACL of 0.5 µg/L.

The detections of CT in the supply wells from 2016 through the reporting period are due to the change in analytical method from USEPA Method 524.2 to USEPA Method 8260 SIM in 2016. This method was used so that detectable low-level concentrations of COCs between the detection limit and limit of quantitation would be reported (estimated results below the limit of quantitation are not reported using USEPA Method 524.2), and the results could be used for project decision-making. While a seasonal cycle in CT concentrations in the supply wells is apparent, there was no increasing CT concentration trend in the supply wells during the reporting period based on the available data.

Below is an analysis of CT and TCE concentration trends in upgradient Lower 180-Foot Aquifer monitoring wells that are closest to the supply wells:

- MP-BW-51-405: CT was ND and TCE concentrations ranged from 0.93 µg/L to 1.5 µg/L during the reporting period (Table 12). CT and TCE have not been detected at MP-BW-51-405 at concentrations exceeding the ACL and exhibit stable or declining long-term concentration trends (Appendix B, Figure B70).
- MW-BW-04-180: CT was detected at 0.71 µg/L and TCE was detected at 0.12 J µg/L during the reporting period (Table 12). CT was detected at a concentration above the ACL for the first time at this well in the Third Quarter 2023. During the reporting period, the concentration of CT was above the ACL in the Fourth Quarter 2023 and the First Quarter 2024, but below the ACL in the Second Quarter and Third Quarter 2024 with an inconclusive trend (Appendix B, Figure B71). TCE has not been detected at MW-BW-04-180 at concentrations exceeding the ACL, and TCE exhibits a stable or declining long-term concentration trend (Appendix B, Figure B71).
- MW-OU2-72-180: CT was detected at 0.18 J µg/L, and TCE concentrations ranged from 1.1 µg/L to 2.1 J µg/L during the reporting period (Table 12). CT and TCE at MW-OU2-72-180 has not exceeded the TCE MCL or CT ACL in reported history (Table 12 and Appendix B, Figure B74).

Upgradient of these three monitoring locations and downgradient of the discontinuity in the Intermediate 180-Foot Aquitard are two Lower 180-Foot Aquifer monitoring locations with CT periodically above the ACL:

- MP-BW-50-339: CT concentrations ranged from 0.28 J µg/L to 1.4 µg/L during the reporting period (Table 12). CT concentrations exceed the ACL seasonally and exhibited an inconclusive trend (Appendix B, Figure B68). TCE concentrations ranged from ND to 0.15 J µg/L (Table 12).
- MW-OU2-69-180: CT concentrations ranged from 0.92 µg/L to 1.4 µg/L during the reporting period (Table 12). CT concentrations vary seasonally and have typically been above the ACL

since 2003, with an inconclusive trend (Appendix B, Figure B73). TCE concentrations were ND at MW-OU2-69-180 during the reporting period (Table 12).

2.5.5 Data Validation and Quality Control Assessment

Data validation was performed by Laboratory Data Consultants, Inc. per the QAPP (Ahtna, 2023b and 2024g). The VSRs for the Third Quarter 2024 GWMP in Appendix A review data based on QAPP guidelines. Previous VSRs are included in the quarterly reports for Fourth Quarter 2023 (Ahtna, 2024b), First Quarter 2024 (Ahtna, 2024c), and Second Quarter 2024 (Ahtna, 2024e).

Data qualifiers may be assigned to the analytical results. The table below provides definitions for data qualifiers. Additional information is provided in the QAPP (Ahtna, 2023b and 2024g).

Summary of Data Qualifiers

Qualifier	Definition
U	The analyte was ND and was reported as less than the limit of detection (LOD) or as defined by the customer. The LOD has been adjusted for any dilution or concentration of the sample.
J	The reported result was an estimated value with an unknown bias.
J+	The result was an estimated quantity, but the result may be biased high.
J-	The result was an estimated quantity, but the result may be biased low.
N	The analysis indicates the presence of an analyte for which there was presumptive evidence to make a "tentative identification."
NJ	The analyte has been "tentatively identified" or "presumptively identified" as present and the associated numerical value was the estimated concentration in the sample.
UJ	The analyte was ND and was reported as less than the LOD or as defined by the customer. However, the associated numerical value is approximate.
X	The sample results (including non-detects) were affected by serious deficiencies in the ability to analyze the sample and to meet published method and project quality control criteria. The presence or absence of the analyte cannot be substantiated by the data provided. Acceptance or rejection of the data should be decided by the project team (which should include a project chemist), but exclusion of the data is recommended.

Twelve duplicate samples were collected during the Third Quarter 2024 GWMP event at OUCTP. Trip blanks, field blanks, and equipment blanks were also collected during the GWMP event.^{21,22,23} Target analytes were ND in these samples.

For the Third Quarter 2024, ten GWMP results required qualification based on 100 percent Stage 2B and 10 percent Stage 4 data validation review. Sixty-eight results were qualified as ND (with a “U” qualifier) or ND with an estimated LOD (UJ) due to method blank or trip blank contamination. All GWMP data are considered acceptable and suitable for use.

²¹ Trip blanks are laboratory provided sample bottles filled with analyte free water that are not opened, but travel with regular field samples.

²² Field blanks are sample bottles filled with analyte free water from an unused PDB during regular field sampling.

²³ Equipment blanks are sample bottles filled with analyte free decontamination water from cleaning the reusable sample pump used to sample the multiport Westbay monitoring wells which are designated with “MP” well location identification instead of “MW”.

3.0 Interpretation of Progress Toward System Goals

As described in the OUCTP ROD (Army, 2008), the goal of the OUCTP groundwater remedy is to comply with Federal and State laws and regulations by returning groundwater to a condition that will allow beneficial use, including potential future use as a source for drinking water, industrial water, and agricultural water. These goals are accomplished through EISB and MNA in the A-Aquifer, hydraulic control and containment of contaminated groundwater through extraction and treatment of groundwater exceeding ACLs in the Upper 180-Foot Aquifer, and MNA in the Lower 180-Foot Aquifer. The presence of TCE in the Lower 180-Foot Aquifer is addressed in the 5th Five-Year Review Report for Fort Ord Superfund Site, which concludes that further assessment of contaminants migrating into the Lower 180-Foot Aquifer is needed, including development of remedial action objectives and a remedy determined for the Lower 180-Foot Aquifer and promulgated in an appropriate decision document (USACE, 2022).

3.1 Progress with Respect to Short-Term Goals

Short-term goals for all three OUCTP groundwater remedial units (i.e., the remedies for all three aquifers) are summarized below. Based on comparisons of the observed COC distribution to EISB deployment areas in the A-Aquifer, hydraulic capture areas in the Upper 180-Foot Aquifer, and water supply wells in the Lower 180-Foot Aquifer, improvements are possible and recommended.

3.1.1 A-Aquifer

EISB Deployment Areas are shown in Figure 13 and A-Aquifer Hydraulic Zones are shown in Figures 8 through 11. EISB treatment resulted in a reduction of CT concentrations to below the ACL during the 2017-2018 reporting period in EISB Deployment Areas 1A and 1B in Hydraulic Zone 1 and sampling was discontinued. CT concentrations above the ACL persist in well EW-BW-109-A in northern Hydraulic Zone 1 at EISB Deployment Area 1C, though CT concentrations at this well have been on a declining trend since 2014 (Appendix B, Figure B3).

The overall CT plume extent in Hydraulic Zone 2 was reduced due to treatment at EISB Deployment Area 3A and, based on these results, future EISB treatment in Deployment Area 3A is not recommended at this time. This is consistent with the conclusions of the Deployment Area 3A Data Summary Report (AEI, 2020). However, the CT concentrations downgradient of EISB Deployment Area 3A increased above the ACL at MW-BW-94-AR until 2021 and then decreased below the ACL (Appendix B, Figure B46). CT downgradient of MW-BW-94-AR at MW-BW-101-A and MW-BW-102-A was above the ACL during the reporting period. The downgradient extent of this plume is unknown at this time and additional wells are recommended downgradient to establish this extent. No CT was detected at downgradient monitoring well MW-40-01-A during the reporting period.

The VC plume extent in Hydraulic Zone 2 appears to be localized around one well (MW-BW-103-A) because VC has not been detected in upgradient wells. In the Fourth Quarter 2023, the first GWMP event after the installation of MW-BW-101-A, MW-BW-102-A, and MW-BW-103-A, VC was detected at concentrations above the ACL at MW-BW-102-A and MW-BW-103-A. By the First Quarter 2024, VC was ND in all three wells; however, VC was detected at concentrations above the ACL in MW-BW-103-A in the Second Quarter and Third Quarter 2024. MW-BW-103-A will continue to be monitored quarterly to evaluate VC concentration trends.

The CT plume extent in Hydraulic Zone 3 was consistent during the reporting period (Figures 8 through 11).

CT concentration trends in Hydraulic Zone 4 were consistent during the reporting period. MW-BW-26-A is located at the western extent of EISB Deployment Area 2A with CT concentrations declining since 2018 (Appendix B, Figure B16). However, during the 2019-2020 reporting period, three EISB Deployment Area 2A extraction wells (EW-BW-129-A, EW-BW-140-A, and EW-BW-144-A) were added to the quarterly monitoring schedule to better define the plume and monitor CT concentrations near MW-BW-26-A. Increasing CT concentrations at MW-BW-32-A between 2011 and 2015 (Appendix B, Figure B20) indicate an upgradient source of CT that was not completely remediated by EISB at Deployment Area 2B. However, decreasing CT concentrations during the reporting period at MW-BW-32-A (Appendix B, Figure B20, Figures 8 through 11) suggest this source has been depleted and CT mass continues to move downgradient toward Hydraulic Zone 5.

CT concentrations in Hydraulic Zone 5 varied during the reporting period, which resulted in various CT plume configurations (Figures 8 through 11). However, the main plume area in Hydraulic Zone 5 is still generally defined by one to five wells around MW-BW-75-A. During the reporting period, MW-BW-49-A was added to the quarterly monitoring program to better define the CT plume. Starting with the 2020-2021 reporting period, wells in Hydraulic Zone 5 with CT concentrations above the ACL were also being monitored at the shallowest saturated station. CT was detected at MW-BW-82-A at concentrations below the ACL in the shallow and deep PDB, ranging from ND to 0.44 J $\mu\text{g}/\text{L}$ during the reporting period. Additionally, CT was ND at downgradient monitoring well MW-BW-81-A. Sample analytical results are listed in Tables 6 through 9. The maximum CT concentrations detected at each well in each quarter are presented in Figures 8 through 11.

3.1.2 Upper 180-Foot Aquifer

CT was detected in EW-OU2-09-180 at concentrations below the ACL in July 2020 and July 2021 (Appendix B, Figure B51). However, during the reporting period, CT in EW-OU2-09-180 was ND. CT was ND in cross-gradient monitoring well MW-BW-57-180 (Appendix B, Figure B56) during this reporting period, and CT was detected at MW-OU2-64-180 above the ACL during the reporting period (Appendix B, Figure B57). Therefore, additional groundwater extraction is recommended to improve hydraulic control and containment of the OUCTP in this aquifer. A new extraction well (EW-OU2-13-180) is being constructed to continue to capture the CT plume in the Upper 180-Foot Aquifer. MP-BW-46-170 defines the northern extent of the northern CT plume, and CT concentrations at this location have been above the ACL at this multiport well since it was installed in 2003, with an overall decreasing CT concentration trend that reached a historical maximum of 8.9 $\mu\text{g}/\text{L}$ in 2019, indicating an upgradient source of CT is not present. During the reporting period, CT at MP-BW-46-170 was detected at 3.2 $\mu\text{g}/\text{L}$. CT was either ND or below the ACL in upgradient wells in this area (MW-BW-21-180 and -43-180) during the reporting period.

The extraction well (EW-OU2-09-180) pump and screen failed in the Second Quarter 2023 and the well was not sampled again until the Third Quarter 2024 where CT was ND. (Table 11). A new extraction well (EW-OU2-13-180) is being constructed approximately 660 feet east of EW-OU2-09-180. This new extraction well is expected to capture both the northern and southern CT plumes in the Upper 180-Foot Aquifer and prevent migration of CT into the Lower 180-Foot Aquifer (Ahtna, 2024d). EW-OU2-13-180 was profile sampled using PDBs during the Third Quarter 2024 to determine the appropriate

submersible pump depth. A maximum CT concentration of 1.3 µg/L was detected at 200 feet and 205 feet below top of casing; however, CT concentrations ranged from 1.0 µg/L to 1.3 µg/L throughout the saturated screen interval (Table 11).

Continued evaluation of this area is warranted to 1) ensure the Upper 180-Foot Aquifer CT plume is effectively captured; and 2) assess the presence of other VOCs, particularly cis-1,2-DCE. Cis-1,2 DCE and PCE in groundwater at the OUCTP were evaluated during the RI/FS (MACTEC, 2006) and are not identified as COCs for the Upper 180-Foot Aquifer in the OUCTP ROD (Army, 2008). Therefore, these VOCs are not included on the target analyte list for samples collected from OUCTP Upper 180-Foot Aquifer monitoring wells. EW-OU2-13-180 will be connected to the OU2 GWTP and is therefore monitored for OU2 COCs. Benzene and chloroform were also detected at EW-OU2-13-180, but at concentrations below their respective ACLs.

3.1.3 Lower 180-Foot Aquifer

MNA has been effective in the short-term for OUCTP in the Lower 180-Foot Aquifer, particularly for the northern area, and groundwater monitoring will continue accordingly. The extent of the TCE plume increased in the Lower 180-Foot Aquifer based on data initially collected from well MW-BW-59-180 when it was installed in 2018, but the extent of the TCE plume has shrunk and remained relatively stable since that time (Figures 30 through 34). However, this area will continue to be monitored. CT is now being detected in the water supply wells due to the change in analytical method used for samples collected from FO-29, FO-30, and FO-31; however, these estimated concentrations below the limit of quantitation are below the CT ACL of 0.5 µg/L with no evidence of an increasing trend. Therefore, implementation of the wellhead treatment contingency for CT is not required (Shaw, 2010). Both TCE and CT were detected in the supply wells, and concentrations remain below the MCL of 5.0 and ACL of 0.5 µg/L, respectively (Figures 30 through 33, Table 12, Figures B60 through B62). Water from these wells continues to meet all State and Federal guidelines for drinking water.

3.2 Progress with Respect to Long-Term Goals

The long-term goal is the closure of all three OUCTP groundwater remedial units (i.e., the remedies for all three aquifers). This goal includes attainment monitoring to evaluate whether concentrations of COCs will remain below ACLs. It was estimated that long-term remedy goals for all three OUCTP groundwater remedial units would be achieved in 30 years from implementation of the remedy (Army, 2008).

3.2.1 A-Aquifer

Monitoring is conducted for VOCs and natural attenuation parameters throughout the duration of EISB treatment, and follow-up monitoring to assess the potential for concentrations of COCs to rebound after treatment is continued for a duration of 20 years (Army, 2008). EISB treatment was initiated in 2009; therefore, remedy completion is estimated to be in 2029. Progress toward achieving long-term goals is currently being accomplished through:

- Continued monitoring of the effectiveness of EISB in each of the deployment areas.
- Evaluation of additional EISB in existing or new deployment areas.
- Data collection for the GWMP, which supports the implementation of QAPP decision rules for modification of the GWMP and termination of the groundwater remedies as described in Section 1.3.

There are five hydraulic zones for OUCTP in the A-Aquifer (Figures 8 through 11), and progress with respect to long-term goals varies in each zone:

- **Hydraulic Zone 1:** the overall CT plume extent in this zone was reduced due to treatment at EISB Deployment Areas 1A, 1B, and 1C. There were CT concentrations above the ACL observed in this zone during the reporting period at EW-BW-109-A, but with a decreasing trend (see Section 2.5.1 and Appendix B, Figure B3).
- **Hydraulic Zone 2:** the overall CT plume extent in this zone was reduced due to treatment at EISB Deployment Area 3A. However, analytical results from two wells installed in Fourth Quarter 2023 (MW-BW-101-A and MW-BW-102-A) indicate that the downgradient extent of the CT plume in the area of the Marina Municipal Airport may not be fully defined (Figures 8 through 11). Future EISB treatment in Deployment Area 3A is not recommended at this time, though CT concentrations exceeded the ACL in seven wells in Hydraulic Zone 2 during the reporting period (see Section 2.5.1). Variability in historical CT concentrations in this zone prevents prediction of future concentration trends; therefore, further progress with respect to long-term goals will be assessed based on the results of future data collection.
- **Hydraulic Zone 3:** the CT plume extent in the southern part of this zone was reduced due to treatment at EISB Deployment Area 3A. Downgradient wells in this zone exhibit differing CT concentration trends, with MW-BW-88-A decreasing (Appendix B, Figure B40), MW-BW-89-A increasing (Appendix B Figure B41), and MW-BW-95-A decreasing (Appendix B, Figure B47). No CT concentrations were more than two times greater than the ACL during the reporting period (Tables 6 through 9). Variability in CT concentration trends between wells in this zone requires progress with respect to long-term goals to be further assessed based on the results of future data collection.
- **Hydraulic Zone 4:** the maximum CT concentration observed in this zone during the reporting period was at MW-BW-36-A, which is at the downgradient extent of this zone downgradient of EISB Deployment Area 2B (see Section 2.5.1). An inconclusive CT concentration trend in this well was observed during the reporting period (Appendix B, Figure B22). MW-BW-32-A had a decreasing trend (Figure B20). Other downgradient wells in Hydraulic Zone 4 show decreasing or inconclusive CT concentration trends, with concentrations near or below the ACL.
- **Hydraulic Zone 5:** the CT plume extent in the area of the former Fort Ord boundary was reduced due to treatment at the EISB Pilot Study area and had a decreasing CT concentration trend at EISB-EW-09 (Appendix B, Figure B2); however, downgradient wells in this zone exhibit differing CT concentration trends: MW-BW-49-A (Appendix B, Figure B24) and MW-BW-65-A (Appendix B, Figure B27) with inconclusive CT concentration trends, MW-BW-74-A with an increasing CT trend (Appendix B, Figure B29), and MW-BW-82-A with a decreasing trend (Appendix B, Figure B36). No CT concentrations were more than one order of magnitude greater than the ACL during the reporting period (Tables 6 through 9). This variability in CT concentration trends between wells in this zone requires progress with respect to long-term goals to be further assessed based on the results of future data collection.

3.2.2 Upper 180-Foot Aquifer

The remedy is a containment approach that includes a pumping scenario for migration control of the groundwater CT plume with aboveground treatment and reinjection of treated water back into the aquifer. The results of groundwater modeling simulation indicated this remedy would be effective in

containing and remediating most of the Upper 180-Foot Aquifer CT plume to below the ACL within approximately 30 years (Army, 2008). Groundwater extraction and treatment was initiated in 2011; therefore, remedy completion is estimated to be in 2041. Progress toward achieving long-term goals is currently being accomplished through:

- Future operation of EW-OU2-13-180 to maintain hydraulic control and containment of the OUCTP in the Upper 180-Foot Aquifer.
- Data collection for the GWMP, which supports the implementation of QAPP decision rules for GWTS operations and termination of the groundwater remedies as described in Section 1.3.
- Expansion of the groundwater remedy to expedite progress toward achieving long-term goals.

Hydraulic Zone 6 defines the area of OUCTP in the Upper 180-Foot Aquifer. Progress with respect to long-term goals is affected by the same issues identified for progress with respect to short-term goals (Section 3.1). Therefore, progress toward achieving long-term goals should be assessed after implementation of additional groundwater extraction to improve hydraulic control and containment of the OUCTP in this aquifer.

3.2.3 Lower 180-Foot Aquifer

The remedy assumes CT plume(s) would naturally attenuate over a period of approximately 30 years to meet remedial action objectives with a contingency for wellhead treatment at water supply wells if CT associated with OUCTP is detected in these wells at concentrations above the ACL (Army, 2008). Additional groundwater monitoring wells were installed in 2011 to implement the MNA remedy; therefore, remedy completion is estimated to be in 2041. Progress toward achieving long-term goals is currently being accomplished through data collection for the GWMP, which supports the implementation of QAPP decision rules for GWTS operations, modification of the GWMP, and termination of the groundwater remedies, as described in Section 1.3.

Hydraulic Zone 7 encompasses the southern area of OUCTP in the Lower 180-Foot Aquifer. The CT plume in this zone has historically been defined by three wells (MP-BW-49-316, MP-BW-50-339, and MW-OU2-69-180), as shown in Figures 30 through 33. These three wells exhibit persistent CT concentrations greater than the ACL, though there is no significant trend given the strong seasonal variation in CT concentrations (Appendix B, Figures B66, B68, and B73). While natural attenuation processes may be occurring in Hydraulic Zone 7, as indicated by CT concentrations in downgradient wells remaining consistently below the ACL (Appendix B, Figures B60 through B62 and B74), the recent CT concentrations above the ACL at MW-BW-04-180 (Appendix B, Figure B71, Table 12) in this zone suggest the OUCTP in the Upper 180-Foot Aquifer continues to be a source of CT to the Lower 180-Foot Aquifer. Therefore, progress with respect to long-term goals is adversely affected and should be assessed after initiating operation of new groundwater extraction well EW-OU2-13-180 in the Upper 180-Foot Aquifer to improve hydraulic control and containment of the OUCTP.

Hydraulic Zone 8 encompasses the northern area of OUCTP in the Lower 180-Foot Aquifer. The CT plume in this zone has historically been defined by the downgradient Airfield well (Figure 33), which was removed from the GWMP per QAPP decision rules (Ahtna, 2023b and 2024g) after the Third Quarter 2023 GWMP event.

3.3 Gaps or Inconsistencies in the Conceptual Site Model

There are no potential gaps or inconsistencies in the conceptual site model.

4.0 Suggested Monitoring Modifications

GWMP modifications are made by comparing analytical results to QAPP decision rules (Ahtna, 2023b and 2024g). GWMP modifications during the reporting period are discussed in Section 2.3 and listed in Table 3. The modifications to the GWMP after the Third Quarter 2024 are presented in Table 13, Figures 35 and 36, and Appendix C. Wells recommended for termination of sampling will continue to be monitored for groundwater elevation data until they are recommended for decommissioning or no longer needed.

4.1 New Wells or Additional Remediation

4.1.1 A-Aquifer

Due to CT concentrations approaching the ACL at MW-BW-94-AR, three monitoring wells (MW-BW-101-A, MW-BW-102-A, and MW-BW-103-A) were installed during Fourth Quarter 2023 (Ahtna, 2023c). CT concentrations greater than the ACL have been detected in two of these wells (MW-BW-101-A and MW-BW-102-A). Two additional monitoring wells are recommended downgradient of MW-BW-101-A to further delineate the CT plume in Hydraulic Zone 2 (Figure 37). Due to persistent CT concentrations above the ACL downgradient of the EISB Pilot Study area in the City of Marina, three monitoring wells are recommended to be installed and monitored to better assess the extent of the CT plume downgradient of MW-BW-75-A, MW-BW-80-A, and MW-BW-82-A (Figure 37).²⁴

4.1.2 Upper 180-Foot Aquifer

No new monitoring wells are recommended in the Upper 180-Foot Aquifer. The new OUCTP extraction well (EW-OU2-13-180) is replacing EW-OU2-09-180 to enhance containment and control of the CT plume in the Upper 180-Foot Aquifer to prevent migration of CT to the Lower 180-Foot Aquifer in accordance with the OUCTP ROD (Army, 2008).²⁵ Groundwater modeling results will indicate whether the CT plume in the Upper 180-Foot Aquifer is sufficiently captured, which should be assessed in the context of achievement of long-term goals for OUCTP in the Upper 180-Foot Aquifer (Section 3.2) after initiating operation of EW-OU2-13-180 to improve hydraulic control and containment of the OUCTP in the Upper 180-Foot Aquifer near the discontinuity in the Intermediate 180-Foot Aquitard (Ahtna, 2024d).

4.1.3 Lower 180-Foot Aquifer

No new monitoring wells are recommended in the Lower 180-Foot Aquifer at this time; however, the status of the OUCTP groundwater remedy in Hydraulic Zone 7 with respect to the presence of TCE in the Lower 180-Foot Aquifer is being evaluated based on the conclusions of the 5th Five-Year Review Report for Fort Ord Superfund Site (USACE, 2022).

4.2 Well Decommissioning

No wells are recommended for decommissioning.

²⁴ A work plan for three additional monitoring wells in the City of Marina was prepared during the reporting period (Ahtna, 2023c). An update to the work plan is in progress and will be issued after the reporting period.

²⁵ A remedial design addendum for the new extraction well was finalized during the reporting period (Ahtna, 2024d).

5.0 References²⁶

- Ahtna Engineering Services (AES), 2011. *Final Well Installation Completion Report, Operable Unit Carbon Tetrachloride Plume Lower 180-Foot Aquifer and Operable Unit 2, Former Fort Ord, California*. August. [BW-2572A](#).
- AES, 2014. *Final Operable Unit Carbon Tetrachloride Plume Remedial Action Work Plan, Former Fort Ord, California; Appendix A, Operable Unit Carbon Tetrachloride Plume A-Aquifer Remedial Design Addendum*. April. [OUCTP-0062A](#).
- Ahtna Environmental, Inc. (AEI), 2016. *Final Operable Unit Carbon Tetrachloride Plume Remedial Action Work Plan Addendum, Former Fort Ord, California*. July 26. [OUCTP-0036K.3](#).
- AEI, 2020. *Final Operable Unit Carbon Tetrachloride Plume, Deployment Area 3A Data Summary Report, Enhanced In Situ Bioremediation, Former Fort Ord, California*. February 13. [OUCTP-0090B](#).
- Ahtna Global, LLC (Ahtna), 2023a. *Accident Prevention Plan Operable Unit 2, Sites 2 and 12, and Operable Unit Carbon Tetrachloride Plume, Former Fort Ord, California*. October.
- Ahtna, 2023b. *Quality Assurance Project Plan, Former Fort Ord, California, Volume I, Appendix A, Final Revision 11, Groundwater Remedies and Monitoring at Operable Unit 2, Sites 2 and 12, and Operable Unit Carbon Tetrachloride Plume (Groundwater QAPP)*. November. [BW-2785V](#).
- Ahtna, 2023c. *Quality Assurance Project Plan, Former Fort Ord, California Volume I, Appendix A Final Addendum No. 1 Well Installation and Decommissioning*. December. [BW-2785W](#).
- Ahtna, 2024a. *Final Operable Unit Carbon Tetrachloride Plume Upper 180-Foot Aquifer Remedial Design Addendum, Former Fort Ord, California*. February. [OUCTP-0109B](#).
- Ahtna, 2024b. *Final Operable Unit Carbon Tetrachloride Plume Fourth Quarter 2023 Groundwater Monitoring Report, Former Fort Ord, California*. February. [OUCTP-0113](#).
- Ahtna, 2024c. *Final Operable Unit Carbon Tetrachloride Plume First Quarter 2024 Groundwater Monitoring Report, Former Fort Ord, California*. April. [OUCTP-0114](#).
- Ahtna, 2024d. *Quality Assurance Project Plan, Former Fort Ord, California, Volume I, Appendix A, Final Addendum No. 2, Operable Unit Carbon Tetrachloride Plume, Upper 180-Foot Aquifer Extraction Well Installation*. May. [BW-2948B](#).
- Ahtna, 2024e. *Final Operable Unit Carbon Tetrachloride Plume Second Quarter 2024 Groundwater Monitoring Report, Former Fort Ord, California*. July. [OUCTP-0116](#).
- Ahtna, 2024f. *Accident Prevention Plan Operable Unit 2, Sites 2 and 12, and Operable Unit Carbon Tetrachloride Plume, Former Fort Ord, California*. August.

²⁶ At the end of references included in the Fort Ord Document Library are the Record Numbers (e.g. BW-1234). To find the referenced document, this number may be typed into the Online Search tool at: <http://www.fortordcleanup.com/documents/search/>. Please note the referenced documents were available in the Fort Ord Administrative Record at the time this document was issued; however, some may have been superseded by more current versions and were subsequently withdrawn.

- Ahtna, 2024g. *Quality Assurance Project Plan, Former Fort Ord, California, Volume I, Appendix A, Final Revision 12, Groundwater Remedies and Monitoring at Operable Unit 2, Sites 2 and 12, and Operable Unit Carbon Tetrachloride Plume* (Groundwater QAPP). August. [BW-2785Z](#).
- Ahtna, 2024h. *Final Operable Unit Carbon Tetrachloride Plume Fourth Quarter 2022 through Third Quarter 2023 Groundwater Monitoring Report, Former Fort Ord, California*. November. [OUCTP-0012B](#).
- California Regional Water Quality Control Board, Central Coast Region (CCRWQCB), 2019. *Water Quality Control Plan for the Central Coastal Basin*. June.
https://www.waterboards.ca.gov/centralcoast/publications_forms/publications/basin_plan/docs/2019_basin_plan_r3_complete. Accessed November 18, 2019.
- California Department of Water Resources (DWR), 2012. *2012 WY Precipitation Summary*.
<http://cdec.water.ca.gov/cgi-progs/reports/PRECIPSUM.2012>. Accessed October 25, 2022.
- DWR, 2013. *2013 WY Precipitation Summary*.
<http://cdec.water.ca.gov/cgi-progs/reports/PRECIPSUM.2013>. Accessed October 25, 2022.
- DWR, 2014. *2014 WY Precipitation Summary*.
<http://cdec.water.ca.gov/cgi-progs/reports/PRECIPSUM.2014>. Accessed October 25, 2022.
- DWR, 2015. *2015 WY Precipitation Summary*.
<http://cdec.water.ca.gov/cgi-progs/reports/PRECIPSUM.2015>. Accessed October 25, 2022.
- DWR, 2016. *2016 WY Precipitation Summary*.
<http://cdec.water.ca.gov/cgi-progs/reports/PRECIPSUM.201609>. Accessed October 25, 2022.
- DWR, 2017. *2017 WY Precipitation Summary*.
<http://cdec.water.ca.gov/cgi-progs/reports/PRECIPSUM.201709>. Accessed October 25, 2022.
- DWR, 2018. *2018 WY Precipitation Summary*.
<http://cdec.water.ca.gov/reportapp/javareports?name=PRECIPSUM.201809>. Accessed October 25, 2022.
- DWR, 2019. *2019 WY Precipitation Summary*.
<http://cdec.water.ca.gov/reportapp/javareports?name=PRECIPSUM.201909>. Accessed October 25, 2022.
- DWR, 2020. *2020 WY Precipitation Summary*.
<http://cdec.water.ca.gov/reportapp/javareports?name=PRECIPSUM.202009>. Accessed October 25, 2022.
- DWR, 2021. *2021 WY Precipitation Summary*.
<http://cdec.water.ca.gov/reportapp/javareports?name=PRECIPSUM.202109>. Accessed October 25, 2021.

- DWR, 2022. *2022 WY Precipitation Summary*.
<http://cdec.water.ca.gov/reportapp/javareports?name=PRECIPSUM.202209>. Accessed October 25, 2022.
- DWR, 2024. *2024 WY Precipitation Summary*.
<http://cdec.water.ca.gov/reportapp/javareports?name=PRECIPSUM.202409>. Accessed October 15, 2024.
- HydroGeologic (HGL), 2016. *Final Remedial Action Completion Report/Technical Memorandum, Operable Unit 1 Attainment Monitoring Results, Sampling Events #1 through #4, Former Fort Ord, California*. March 16. [OU1-623A](#).
- HLA, 1995. *Final Basewide Remedial Investigation/Feasibility Study, Fort Ord, California, Volume II – Remedial Investigation, Basewide Hydrogeologic Characterization*. October 19. [BW-1283A](#).
- MACTEC Engineering and Consulting, Inc. (MACTEC), 2006. *Final Operable Unit Carbon Tetrachloride Plume Groundwater Remedial Investigation/Feasibility Study, Former Fort Ord, California*. May 19. [OUCTP-0011P](#).
- National Integrated Drought Mitigation Center (NDMC), 2024. *U.S. Drought Portal: United States Drought Monitor Tabular Data Archive: Monterey CA Categorical Percent Area USDM 2000-2024*.
<https://droughtmonitor.unl.edu/DmData/DataTables.aspx>. Accessed October 16, 2024.
- Shaw, 2010. *Final Operable Unit Carbon Tetrachloride Plume Lower 180-Foot Aquifer Remedial Design, Former Fort Ord, California*. Revision 0. October. [OUCTP-0036R](#).
- Shaw, 2012. *Final Operable Unit Carbon Tetrachloride Plume A-Aquifer Remedial Action Construction Completion Report*. August. [OUCTP-0058A](#).
- U.S. Army Corps of Engineers (USACE), 2022. *Final 5th Five-Year Review Report for Fort Ord Superfund Site, Monterey County, California*. September. [BW-2925](#).
- U.S. Department of the Army (Army), 2008. *Record of Decision, Operable Unit Carbon Tetrachloride Plume, Former Fort Ord, California*. February 6. [OUCTP-0021D](#).
- U.S. Environmental Protection Agency (USEPA), 2005. *Office of Solid Waste and Emergency Response, 2005. O&M Report Template for Ground Water Remedies (With Emphasis on Pump and Treat Systems)*. [EPA 542-R-05-010](#). April.
- USEPA, 2011. *EPA finds that the Army has provided sufficient information to confirm that Monitored Natural Attenuation (MNA) is working as per the guidelines listed in the Record of Decision. EPA concurs that MNA in the Lower 180-Foot Aquifer portion of the OUCTP groundwater plume is Operating Properly and Successfully*. October 20. [OUCTP-0050A](#).
- USEPA, 2013. *EPA Determination of Operating Properly and Successfully/Construction Completion, Operable Unit Carbon Tetrachloride Plume*. September 3. [OUCTP-0060.1](#).
- USEPA, 2014. *Recommended Approach for Evaluating Completion of Groundwater Restoration Remedial Actions at a Groundwater Monitoring Well*. August. [OSWER 9283.1-44](#).

Tables

Table 1. COCs in Groundwater and ACLs

Chemical of Concern (COC)	OUCTP A-Aquifer ACLs (µg/L)	OUCTP Upper 180-Foot Aquifer ACLs (µg/L)	OUCTP Lower 180-Foot Aquifer ACLs (µg/L)
1,1-Dichloroethene (1,1-DCE)	6.0	-	-
1,2-Dichloroethane (1,2-DCA)	-	-	0.5
Carbon tetrachloride (CT)	0.5	0.5	0.5
Chloroform	2.0	-	-
Methylene chloride	5.0	-	-
Tetrachloroethylene (PCE)	5.0	-	-
Total 1,2-Dichloroethene (total 1,2-DCE)	6.0	-	-
Trichloroethene (TCE)*	5.0	-	-
Vinyl Chloride	0.1	-	-

Notes:

-: not a COC at the specified aquifer

*TCE is not a COC for the Lower 180-Foot Aquifer, but is monitored to evaluate for potential impacts to downgradient Fort Ord supply wells.

Acronyms and Abbreviations:

µg/L: micrograms per liter

ACL: Aquifer Cleanup Level. Groundwater COCs and ACLs are taken from the Record of Decision (Army, 2008).

OUCTP: Operable Unit Carbon Tetrachloride Plume

Table 2. GWMP Sampling Methods and Analytical Schedule

Well Name	DO and ORP	VOCs (8260-SIM)	Water Levels	Sampling Methods	Rationale
A-Aquifer					
EISB-EW-01		A	Q	PDB	OUCTP ROD
EISB-EW-09		Q	Q	PDB	OUCTP ROD
EISB-EW-12	Q		Q	PTM	OUCTP ROD
EISB-EW-15	Q		Q	PTM	OUCTP ROD
EW-BW-109-A		Q	Q	PDB	OUCTP ROD
EW-BW-124-A	Q	Q	Q	PDB/PTM	OUCTP ROD
EW-BW-129-A		Q	Q	PDB	OUCTP ROD
EW-BW-135-A	Q	Q	Q	PDB/PTM	OUCTP ROD
EW-BW-140-A		A	Q	PDB	OUCTP ROD
EW-BW-144-A	Q	A	Q	PTM	OUCTP ROD
EW-BW-149-A	Q	A	Q	PDB/PTM	OUCTP ROD
EW-BW-155-A	Q	Q	Q	PDB/PTM	OUCTP ROD
EW-BW-159-A	Q		Q	PTM	OUCTP ROD
EW-BW-160-A	Q	Q	Q	PDB/PTM	OUCTP RAWP Addendum
EW-BW-161-A	Q		Q	PTM	OUCTP RAWP Addendum
EW-BW-164-A	Q		Q	PTM	OUCTP RAWP Addendum
EW-BW-165-A		A	Q	PDB	OUCTP RAWP Addendum
MW-40-01-A		A	Q	PDB	OUCTP ROD
MW-B-12-A		Q	Q	PDB	OUCTP ROD
MW-B-14-A		A	Q	PDB	OUCTP ROD
MW-BW-17-A		Q	Q	PDB	OUCTP ROD
MW-BW-26-A		Q	Q	PDB	OUCTP ROD
MW-BW-27-A		Q	Q	PDB	OUCTP ROD
MW-BW-28-A		A	Q	PDB	OUCTP ROD
MW-BW-30-A		A	Q	PDB	OUCTP ROD
MW-BW-31-A		Q	Q	PDB	OUCTP ROD
MW-BW-32-A		Q	Q	PDB	OUCTP ROD
MW-BW-35-A		Q	Q	PDB	OUCTP ROD
MW-BW-36-A		Q	Q	PDB	OUCTP ROD
MW-BW-44-A		A	Q	PDB	OUCTP ROD
MW-BW-48-A		Q	Q	PDB	OUCTP ROD
MW-BW-49-A		Q	Q	PDB	OUCTP ROD
MW-BW-58-A		Q	Q	PDB	OUCTP ROD
MW-BW-65-A		Q	Q	PDB	OUCTP ROD
MW-BW-66-A		Q	Q	PDB	OUCTP ROD
MW-BW-74-A		Q	Q	PDB	OUCTP ROD
MW-BW-75-A		Q	Q	PDB	OUCTP ROD
MW-BW-77-A		Q	Q	PDB	OUCTP ROD
MW-BW-78-A		Q	Q	PDB	OUCTP ROD

Table 2. GWMP Sampling Methods and Analytical Schedule

Well Name	DO and ORP	VOCs (8260-SIM)	Water Levels	Sampling Methods	Rationale
MW-BW-79-A		Q	Q	PDB	OUCTP ROD
MW-BW-80-A		Q	Q	PDB	OUCTP ROD
MW-BW-81-A		Q	Q	PDB	OUCTP ROD
MW-BW-82-A		Q	Q	PDB	OUCTP ROD
MW-BW-83-A		Q	Q	PDB	OUCTP ROD
MW-BW-85-A		Q	Q	PDB	OUCTP ROD
MW-BW-87-A		Q	Q	PDB	OUCTP ROD
MW-BW-88-A		Q	Q	PDB	OUCTP ROD
MW-BW-89-A		Q	Q	PDB	OUCTP ROD
MW-BW-90-A		Q	Q	PDB	OUCTP ROD
MW-BW-91-A		Q	Q	PDB	OUCTP ROD
MW-BW-92-A		Q	Q	PDB	OUCTP ROD
MW-BW-93-A		Q	Q	PDB	2019 Well Install Report
MW-BW-94-AR		Q	Q	PDB	2019 Well Install Report
MW-BW-95-A		Q	Q	PDB	2019 Well Install Report
MW-BW-96-A		Q	Q	PDB	2023 PFAS SI Narrative Report
MW-BW-97-A		Q	Q	PDB	2023 PFAS SI Narrative Report
MW-BW-101-A		Q	Q	PDB	2023 PFAS SI Narrative Report
MW-BW-102-A		Q	Q	PDB	2023 PFAS SI Narrative Report
MW-BW-103-A		Q	Q	PDB	2023 PFAS SI Narrative Report
Upper 180-Foot Aquifer					
EW-OU2-09-180		Q	Q	PDB	OUCTP ROD
MP-BW-33-272		Q	Q	Sampling Port	OUCTP ROD
MP-BW-46-170		Q	Q	Westbay Port	OUCTP ROD
MW-BW-21-180		Q	Q	PDB	OUCTP ROD
MW-BW-43-180		Q	Q	PDB	OUCTP ROD
MW-BW-52-180		Q	Q	PDB	OUCTP ROD
MW-BW-57-180		A	Q	PDB	2019 Well Install Report
MW-BW-58-180		A	Q	PDB	2019 Well Install Report
MW-OU2-30-180		A	Q	PDB	OU2 ESD
MW-OU2-64-180		Q	Q	PDB	OU2 ESD
MW-OU2-67-180		Q	Q	PDB	OU2 ESD
MW-OU2-70-180		A	Q	PDB	OU2 ESD
Lower 180-Foot/400-Foot Aquifers					
EW-OU2-07-180		Q	Q	PDB	OU2 ESD
FO-29		Q		Sampling Port	OUCTP ROD
FO-30		Q		Sampling Port	OUCTP ROD
FO-31		Q		Sampling Port	OUCTP ROD
MP-BW-41-318		A	Q	Westbay Port	OUCTP ROD

Table 2. GWMP Sampling Methods and Analytical Schedule

Well Name	DO and ORP	VOCs (8260-SIM)	Water Levels	Sampling Methods	Rationale
MP-BW-41-353		Q	Q	Westbay Port	OUCTP ROD
MP-BW-42-345		Q	Q	Westbay Port	OUCTP ROD
MP-BW-49-287		Q	Q	Westbay Port	OUCTP ROD
MP-BW-49-316		Q	Q	Westbay Port	OUCTP ROD
MP-BW-49-368		Q	Q	Westbay Port	OUCTP ROD
MP-BW-49-400		Q	Q	Westbay Port	OUCTP ROD
MP-BW-50-339		Q	Q	Westbay Port	OUCTP ROD
MP-BW-50-384		Q	Q	Westbay Port	OUCTP ROD
MP-BW-51-405		Q	Q	Westbay Port	OUCTP ROD
MW-BW-04-180		Q	Q	PDB	OUCTP ROD
MW-BW-59-180		Q	Q	PDB	2019 Well Install Report
MW-OU2-66-180		Q	Q	PDB	OU2 ESD
MW-OU2-69-180		Q	Q	PDB	OU2 ESD
MW-OU2-72-180		Q	Q	PDB	OU2 ESD
MW-OU2-78-180		Q	Q	PDB	OU2 ESD
MW-OU2-82-180		Q	Q	PDB	OU2 ESD
The Following Wells were Measured for Groundwater Elevation Data Only					
A-Aquifer					
EISB-EW-02			Q	DTW	DTW trend analysis
EISB-MW-01			Q	DTW	DTW trend analysis
EW-BW-119-A			Q	DTW	DTW trend analysis
EW-BW-132-A			Q	DTW	DTW trend analysis
EW-BW-150-A			Q	DTW	DTW trend analysis
EW-BW-166-A			Q	DTW	DTW trend analysis
EW-BW-167-A			Q	DTW	DTW trend analysis
EW-BW-168-A			Q	DTW	DTW trend analysis
EW-BW-169-A			Q	PDB	DTW trend analysis
MP-BW-46-080			Q	DTW	DTW trend analysis
MP-BW-46-095			Q	DTW	DTW trend analysis
MP-BW-48-113			Q	DTW	DTW trend analysis
MP-BW-48-133			Q	DTW	DTW trend analysis
MW-40A-01-A			Q	DTW	DTW trend analysis
MW-40A-02-A			Q	DTW	DTW trend analysis
MW-BW-15-A			Q	DTW	DTW trend analysis
MW-BW-16-A			Q	DTW	DTW trend analysis
MW-BW-18-A			Q	DTW	DTW trend analysis
MW-BW-24-A			Q	DTW	DTW trend analysis
MW-BW-25-A			Q	DTW	DTW trend analysis
MW-BW-34-A			Q	DTW	DTW trend analysis

Table 2. GWMP Sampling Methods and Analytical Schedule

Well Name	DO and ORP	VOCs (8260-SIM)	Water Levels	Sampling Methods	Rationale
MW-BW-38-A			Q	DTW	DTW trend analysis
MW-BW-39-A			Q	DTW	DTW trend analysis
MW-BW-41-A			Q	DTW	DTW trend analysis
MW-BW-42-A			Q	DTW	DTW trend analysis
MW-BW-43-A			Q	DTW	DTW trend analysis
MW-BW-45-A			Q	DTW	DTW trend analysis
MW-BW-46-A			Q	DTW	DTW trend analysis
MW-BW-51-A			Q	DTW	DTW trend analysis
MW-BW-53-A			Q	DTW	DTW trend analysis
MW-BW-54-A			Q	DTW	DTW trend analysis
MW-BW-56-A			Q	DTW	DTW trend analysis
MW-BW-57-A			Q	DTW	DTW trend analysis
MW-BW-59-A			Q	DTW	DTW trend analysis
MW-BW-60-A			Q	DTW	DTW trend analysis
MW-BW-63-A			Q	DTW	DTW trend analysis
MW-BW-67-A			Q	DTW	DTW trend analysis
MW-BW-86-A			Q	DTW	DTW trend analysis
Upper 180-Foot Aquifer					
MP-BW-30-282			Q	DTW	DTW trend analysis
MP-BW-32-287			Q	DTW	DTW trend analysis
MP-BW-35-242			Q	DTW	DTW trend analysis
MP-BW-37-178			Q	DTW	DTW trend analysis
MP-BW-41-231			Q	DTW	DTW trend analysis
MP-BW-42-215			Q	DTW	DTW trend analysis
MW-B-05-180			Q	DTW	DTW trend analysis
MW-BW-26-180			Q	DTW	DTW trend analysis
MW-BW-44-180			Q	DTW	DTW trend analysis
MW-BW-45-180			Q	DTW	DTW trend analysis
MW-BW-47-180			Q	DTW	DTW trend analysis
MW-BW-49-180			Q	DTW	DTW trend analysis
MW-BW-50-180			Q	DTW	DTW trend analysis
MW-BW-51-180			Q	DTW	DTW trend analysis
MW-BW-53-180			Q	DTW	DTW trend analysis
MW-BW-54-180			Q	DTW	DTW trend analysis
MW-BW-55-180			Q	DTW	DTW trend analysis
MW-BW-56-180			Q	DTW	DTW trend analysis
Lower 180-Foot/400-Foot Aquifers					
AIRFIELD			Q	DTW	DTW trend analysis
MP-BW-30-397			Q	DTW	DTW trend analysis

Table 2. GWMP Sampling Methods and Analytical Schedule

Well Name	DO and ORP	VOCs (8260-SIM)	Water Levels	Sampling Methods	Rationale
MP-BW-31-407			Q	DTW	DTW trend analysis
MP-BW-32-412			Q	DTW	DTW trend analysis
MP-BW-33-352			Q	DTW	DTW trend analysis
MP-BW-34-422			Q	DTW	DTW trend analysis
MP-BW-35-402			Q	DTW	DTW trend analysis
MP-BW-37-368			Q	DTW	DTW trend analysis
MP-BW-38-353			Q	DTW	DTW trend analysis
MP-BW-39-330			Q	DTW	DTW trend analysis
MP-BW-40-353			Q	DTW	DTW trend analysis
MP-BW-52-363			Q	DTW	DTW trend analysis
MW-OU2-07-400			Q	DTW	DTW trend analysis
Test 2			Q	DTW	DTW trend analysis

Notes:

*Schedule is current as of Groundwater QAPP Revision 10.

Acronyms and Abbreviations:

A: Sampled on an annual basis

DO: dissolved oxygen

DTW: depth to water

ESD: Explanation of Significant Differences

OU2: Operable Unit 2

OUCTP: Operable Unit Carbon Tetrachloride Plume

ORP: oxidation reduction potential

PDB: passive diffusion bag

PTM: post-treatment monitoring

Q: Sampled on a quarterly basis

RAWP: Remedial Action Work Plan

ROD: Record of Decision

SIM: selected ion monitoring

VOCs: volatile organic compounds

Table 3. GWMP Schedule Modifications

Well Name	Previous Status	New Status	Rationale / Notes / Corrections	Last Sampling Event	Last DTW Event
A-Aquifer					
MW-BW-77-A	Annual	Quarterly	Increase in CT concentrations in Hydraulic Zone 5	Ongoing	Ongoing
MW-BW-78-A	Annual	Quarterly	Increase in CT concentrations in Hydraulic Zone 5	Ongoing	Ongoing
MW-BW-83-A	Annual	Quarterly	Increase in CT concentrations in Hydraulic Zone 5	Ongoing	Ongoing
MW-BW-101-A	None	Quarterly	New well installed October 2023	Ongoing	Ongoing
MW-BW-102-A	None	Quarterly	New well installed October 2023	Ongoing	Ongoing
MW-BW-103-A	None	Quarterly	New well installed October 2023	Ongoing	Ongoing
Upper 180-Foot Aquifer					
EW-OU2-09-180	Quarterly	Quarterly	Converted to monitoring well	2024-3Q	Ongoing
EW-OU2-13-180	None	Quarterly	New OUCTP Upper 180-Foot Extraction Well	2024-3Q	Ongoing
Lower 180-Foot Aquifer					
None					

Acronyms and Abbreviations:

ACL: aquifer cleanup level
 CT: carbon tetrachloride
 DTW: depth to water

Table 4. Groundwater Well Maintenance

Well ID	Quarter Identified	Condition/Repair Comments	Sample Frequency	Maintenance Notes
Airfield	2016-3Q	Tabs need to be rethreaded	Quarterly	Tabs retapped, new bolts and new well plug installed; 7/24/2024
EISB-EW-02	2023-3Q	Clear vegetation	DTW Only	Cleared vegetation; 7/22/2024
EISB-MW-01	2016-2Q	Slip cap difficult to remove	Annual	New well plug installed; 7/23/2024
EW-BW-159-A	2015-3Q	Eyebolt to lock broken	Quarterly	New lock installed; 7/24/2024
MP-BW-33	2019-3Q	Retap tabs, new security bolts needed	Quarterly	Tabs retapped, new bolts installed; 7/24/2024
MP-BW-37	2019-2Q	New vault required, raise Westbay casing, resurvey	DTW Only	
MP-BW-41	2019-2Q	Retap tabs, new security bolts needed	Quarterly	
MP-BW-50	2024-2Q	Retap tabs, new security bolts needed	Quarterly	Tabs retapped, new bolts installed; 7/24/2024
MW-BW-26-A	2023-3Q	New lock needed	Quarterly	New lock installed; 7/24/2024
MW-BW-30-A	2018-1Q	Retap tabs, new security bolts needed	Annual	Tabs retapped, new bolts installed; 7/24/2024
MW-BW-31-A	2021-3Q	Intall new stovepipe lid hinge	Quarterly	Replaced hinge; 7/23/2024
MW-BW-35-A	2023-3Q	Intall new stovepipe lid hinge	Quarterly	Replaced hinge; 7/23/2024
MW-BW-36-A	2018-1Q	Repair well casing damaged during survey marking; re-survey after repair	Quarterly	
MW-BW-39-A	2023-3Q	Clear vegetation	DTW Only	Cleared vegetation; 7/22/2024
MW-BW-42-A	2021-3Q	Intall new stovepipe lid hinge	Quarterly	Replaced hinge; 7/23/2024
MW-BW-44-180	2017-3Q	Needs new well box; in construction area, install after final grade achieved	DTW Only	
MW-BW-44-A	2016-3Q	Well lid hinge is broken	Annual	Replaced hinge; 7/23/2024
MW-BW-49-180	2016-2Q	Needs to be labeled	DTW Only	
MW-BW-51-180	2018-1Q	Needs new 3-inch well cap; retap tabs, new security bolts needed	DTW Only	Tabs retapped, new bolts and new well plug installed; 7/24/2024
MW-BW-53-A	2023-2Q	Intall new stovepipe lid hinge	DTW Only	Replaced hinge, installed new well plug; 7/24/2024
MW-BW-55-180	2016-3Q	Needs to be painted and labeled	DTW Only	

Table 4. Groundwater Well Maintenance

Well ID	Quarter Identified	Condition/Repair Comments	Sample Frequency	Maintenance Notes
MW-BW-58-A	2018-1Q	Retap tabs, new security bolts needed	Quarterly	Tabs retapped, new bolts installed; 7/23/2024
MW-BW-58-180	2021-3Q	Retap tabs, new security bolts needed	Quarterly	Tabs retapped, new bolts installed; 7/24/2024
MW-BW-59-A	2023-3Q	Retap tabs, new security bolts needed	DTW Only	Tabs retapped, new bolts installed; 7/23/2024
MW-BW-60-A	2023-3Q	Retap tabs, new security bolts needed	DTW Only	Tabs retapped, new bolts installed; 7/22/2024
MW-BW-66-A	2023-3Q	Need to clear vegetation and retap tabs/install new security bolts	Quarterly	Need to clear vegetation and retap/install new security bolts; 7/22/2024

Acronyms and Abbreviations:

DTW: depth to water

**Table 5. Groundwater Elevations,
Fourth Quarter 2023 through Third Quarter 2024**

Station Name	Top of Casing Elevation (feet) ¹	Date Measured	Depth to Water (feet) ²	Water Level Elevation (feet) ¹	Total Depth (feet) ²
A-Aquifer					
EISB-EW-01	91.18	11/13/23	59.69	31.49	-
EISB-EW-01	91.18	02/12/24	59.52	31.66	-
EISB-EW-01	91.18	05/13/24	59.47	31.71	-
EISB-EW-01	91.18	08/23/24	59.48	31.70	80.65
EISB-EW-02	93.72	11/13/23	60.12	33.60	-
EISB-EW-02	93.72	02/12/24	60.12	33.60	-
EISB-EW-02	93.72	05/13/24	59.97	33.75	-
EISB-EW-02	93.72	08/23/24	59.81	33.91	83.10
EISB-EW-09	61.10	11/13/23	50.19	10.91	-
EISB-EW-09	61.10	02/12/24	49.72	11.38	-
EISB-EW-09	61.10	05/13/24	48.80	12.30	-
EISB-EW-09	61.10	08/23/24	49.05	12.05	79.28
EISB-EW-12	73.01	11/13/23	62.73	10.28	-
EISB-EW-12	73.01	02/13/24	62.06	10.95	-
EISB-EW-12	73.01	05/13/24	61.17	11.84	-
EISB-EW-12	73.01	08/23/24	61.60	11.41	88.20
EISB-EW-15	64.39	11/13/23	53.26	11.13	-
EISB-EW-15	64.39	02/13/24	52.84	11.55	-
EISB-EW-15	64.39	05/13/24	51.93	12.46	-
EISB-EW-15	64.39	08/23/24	52.19	12.20	81.00
EISB-MW-01	80.23	11/13/23	64.98	15.25	-
EISB-MW-01	80.23	02/12/24	64.62	15.61	-
EISB-MW-01	80.23	05/13/24	63.57	16.66	-
EISB-MW-01	80.23	08/23/24	63.71	16.52	77.22
EW-BW-109-A	155.09	11/15/23	84.70	70.39	-
EW-BW-109-A	155.09	02/14/24	84.48	70.61	-
EW-BW-109-A	155.09	05/15/24	84.61	70.48	-
EW-BW-109-A	155.09	08/22/24	84.53	70.56	120.53
EW-BW-119-A	136.54	11/15/23	69.35	67.19	-
EW-BW-119-A	136.54	02/14/24	68.48	68.06	-
EW-BW-119-A	136.54	05/15/24	68.12	68.42	-
EW-BW-119-A	136.54	08/22/24	68.42	68.12	108.22
EW-BW-124-A	150.90	11/15/23	85.39	65.51	-
EW-BW-124-A	150.90	02/14/24	85.29	65.61	-
EW-BW-124-A	150.90	05/15/24	84.72	66.18	-
EW-BW-124-A	150.90	08/23/24	85.17	65.73	107.32
EW-BW-129-A	156.11	11/15/23	91.40	64.71	-
EW-BW-129-A	156.11	02/15/24	90.87	65.24	-
EW-BW-129-A	156.11	05/15/24	91.23	64.88	-
EW-BW-129-A	156.11	08/22/24	91.00	65.11	102.15

**Table 5. Groundwater Elevations,
Fourth Quarter 2023 through Third Quarter 2024**

Station Name	Top of Casing Elevation (feet) ¹	Date Measured	Depth to Water (feet) ²	Water Level Elevation (feet) ¹	Total Depth (feet) ²
EW-BW-132-A	141.94	11/14/23	77.32	64.62	-
EW-BW-132-A	141.94	02/13/24	77.18	64.76	-
EW-BW-132-A	141.94	05/14/24	77.07	64.87	-
EW-BW-132-A	141.94	08/22/24	74.31	67.63	101.85
EW-BW-135-A	142.37	11/15/23	79.04	63.33	-
EW-BW-135-A	142.37	02/14/24	79.04	63.33	-
EW-BW-135-A	142.37	05/15/24	78.80	63.57	-
EW-BW-135-A	142.37	08/23/24	76.43	65.94	99.36
EW-BW-140-A	164.38	11/15/23	107.95	56.43	-
EW-BW-140-A	164.38	02/14/24	107.56	56.82	-
EW-BW-140-A	164.38	05/16/24	104.68	59.70	-
EW-BW-140-A	164.38	08/22/24	104.29	60.09	167.42
EW-BW-144-A	166.81	11/15/23	108.42	58.39	-
EW-BW-144-A	166.81	02/14/24	108.86	57.95	-
EW-BW-144-A	166.81	05/15/24	108.67	58.14	108.67
EW-BW-144-A	166.81	08/23/24	107.59	59.22	125.78
EW-BW-149-A	162.31	11/14/23	101.20	61.11	-
EW-BW-149-A	162.31	02/13/24	101.60	60.71	-
EW-BW-149-A	162.31	05/14/24	101.00	61.31	-
EW-BW-149-A	162.31	08/27/24	101.26	61.05	118.11
EW-BW-150-A	157.05	11/15/23	104.07	52.98	-
EW-BW-150-A	157.05	02/12/24	103.87	53.18	-
EW-BW-150-A	157.05	05/16/24	101.90	55.15	-
EW-BW-150-A	157.05	08/20/24	101.12	55.93	131.19
EW-BW-155-A	137.98	11/14/23	82.01	55.97	-
EW-BW-155-A	137.98	02/13/24	82.00	55.98	-
EW-BW-155-A	137.98	05/14/24	81.87	56.11	-
EW-BW-155-A	137.98	08/23/24	79.90	58.08	101.63
EW-BW-159-A	157.09	11/15/23	88.50	68.59	-
EW-BW-159-A	157.09	02/14/24	88.24	68.85	-
EW-BW-159-A	157.09	05/15/24	88.00	69.09	-
EW-BW-159-A	157.09	08/23/24	86.49	70.60	115.22
EW-BW-160-A	131.75	11/14/23	65.52	66.23	-
EW-BW-160-A	131.75	02/14/24	65.55	66.20	-
EW-BW-160-A	131.75	05/15/24	65.44	66.31	-
EW-BW-160-A	131.75	08/21/24	65.30	66.45	86.00
EW-BW-161-A	129.67	11/14/23	62.47	67.20	-
EW-BW-161-A	129.67	02/14/24	62.46	67.21	-
EW-BW-161-A	129.67	05/14/24	62.31	67.36	-
EW-BW-161-A	129.67	08/21/24	59.40	70.27	86.12
EW-BW-164-A	134.55	11/14/23	69.32	65.23	-

**Table 5. Groundwater Elevations,
Fourth Quarter 2023 through Third Quarter 2024**

Station Name	Top of Casing Elevation (feet) ¹	Date Measured	Depth to Water (feet) ²	Water Level Elevation (feet) ¹	Total Depth (feet) ²
EW-BW-164-A	134.55	02/13/24	69.42	65.13	-
EW-BW-164-A	134.55	05/14/24	69.25	65.30	-
EW-BW-164-A	134.55	08/21/24	69.00	65.55	91.50
EW-BW-165-A	133.22	11/14/23	67.60	65.62	-
EW-BW-165-A	133.22	02/13/24	67.66	65.56	-
EW-BW-165-A	133.22	05/14/24	67.40	65.82	-
EW-BW-165-A	133.22	08/21/24	67.31	65.91	91.28
EW-BW-166-A	136.30	11/14/23	70.19	66.11	-
EW-BW-166-A	136.30	02/13/24	69.87	66.43	-
EW-BW-166-A	136.30	05/14/24	70.07	66.23	-
EW-BW-166-A	136.30	08/23/24	70.17	66.13	91.34
EW-BW-167-A	136.08	11/14/23	70.10	65.98	-
EW-BW-167-A	136.08	02/13/24	69.95	66.13	-
EW-BW-167-A	136.08	05/14/24	69.74	66.34	-
EW-BW-167-A	136.08	08/22/24	69.71	66.37	89.27
EW-BW-168-A	143.32	11/16/23	75.11	68.21	-
EW-BW-168-A	143.32	02/13/24	73.76	69.56	-
EW-BW-168-A	143.32	05/14/24	73.08	70.24	-
EW-BW-168-A	143.32	08/21/24	72.11	71.21	98.32
EW-BW-169-A	147.52	11/16/23	79.68	67.84	-
EW-BW-169-A	147.52	02/13/24	72.15	75.37	-
EW-BW-169-A	147.52	05/15/24	80.04	67.48	-
EW-BW-169-A	147.52	08/22/24	79.80	67.72	100.62
MP-BW-46-080	151.83	11/16/23	78.74	-13.83	-
MP-BW-46-080	151.83	02/13/24	78.97	72.86	-
MP-BW-46-080	151.83	05/16/24	78.79	73.04	-
MP-BW-46-080	151.83	08/21/24	78.90	72.93	-
MP-BW-46-095	151.83	11/16/23	82.18	-13.83	-
MP-BW-46-095	151.83	02/13/24	82.29	69.54	-
MP-BW-46-095	151.83	05/16/24	81.97	69.86	-
MP-BW-46-095	151.83	08/21/24	81.97	69.86	-
MP-BW-48-113	195.24	11/16/23	112.92	73.33	-
MP-BW-48-113	195.24	02/15/24	113.29	81.95	-
MP-BW-48-113	195.24	05/15/24	113.06	82.18	-
MP-BW-48-113	195.24	08/21/24	112.92	82.32	-
MP-BW-48-133	195.24	11/16/23	116.52	73.33	-
MP-BW-48-133	195.24	02/15/24	115.37	79.87	-
MP-BW-48-133	195.24	05/15/24	118.48	76.76	-
MP-BW-48-133	195.24	08/21/24	120.47	74.77	-
MW-40-01-A	139.55	11/14/23	82.20	57.35	-
MW-40-01-A	139.55	02/15/24	81.20	58.35	-

**Table 5. Groundwater Elevations,
Fourth Quarter 2023 through Third Quarter 2024**

Station Name	Top of Casing Elevation (feet) ¹	Date Measured	Depth to Water (feet) ²	Water Level Elevation (feet) ¹	Total Depth (feet) ²
MW-40-01-A	139.55	05/14/24	81.15	58.40	-
MW-40-01-A	139.55	08/19/24	81.54	58.01	98.62
MW-40A-01-A	131.10	11/14/23	83.51	47.59	-
MW-40A-01-A	131.10	02/15/24	83.26	47.84	-
MW-40A-01-A	131.10	05/14/24	82.73	48.37	-
MW-40A-01-A	131.10	08/19/24	82.52	48.58	114.81
MW-40A-02-A	122.34	11/16/23	80.03	42.31	-
MW-40A-02-A	122.34	02/15/24	80.18	42.16	-
MW-40A-02-A	122.34	05/16/24	80.14	42.20	-
MW-40A-02-A	122.34	08/20/24	79.85	42.49	93.07
MW-B-12-A	98.92	11/13/23	53.38	45.54	-
MW-B-12-A	98.92	02/12/24	53.52	45.40	-
MW-B-12-A	98.92	05/13/24	53.37	45.55	-
MW-B-12-A	98.92	08/22/24	53.15	45.77	77.54
MW-B-14-A	144.48	11/14/23	80.31	64.17	-
MW-B-14-A	144.48	02/13/24	80.24	64.24	-
MW-B-14-A	144.48	05/14/24	80.11	64.37	-
MW-B-14-A	144.48	08/22/24	79.85	64.63	99.89
MW-BW-101-A	137.60	12/19/23	79.32	58.28	-
MW-BW-101-A	137.60	02/15/24	79.22	58.38	-
MW-BW-101-A	137.60	05/14/24	78.88	58.72	-
MW-BW-101-A	137.60	08/20/24	78.74	58.86	103.73
MW-BW-102-A	139.47	12/19/23	79.70	59.77	-
MW-BW-102-A	139.47	02/15/24	79.42	60.05	-
MW-BW-102-A	139.47	05/14/24	79.15	60.32	-
MW-BW-102-A	139.47	08/19/24	79.14	60.33	108.70
MW-BW-103-A	138.96	12/19/23	79.97	58.99	-
MW-BW-103-A	138.96	02/15/24	79.94	59.02	-
MW-BW-103-A	138.96	05/14/24	79.56	59.40	-
MW-BW-103-A	138.96	08/19/24	79.43	59.53	104.61
MW-BW-15-A	148.27	11/14/23	85.04	63.23	-
MW-BW-15-A	148.27	02/13/24	84.93	63.34	-
MW-BW-15-A	148.27	05/14/24	84.83	63.44	-
MW-BW-15-A	148.27	08/22/24	84.50	63.77	103.98
MW-BW-16-A	135.07	11/14/23	68.99	66.08	-
MW-BW-16-A	135.07	02/13/24	68.56	66.51	-
MW-BW-16-A	135.07	05/14/24	68.13	66.94	-
MW-BW-16-A	135.07	08/21/24	68.65	66.42	98.18
MW-BW-17-A	144.24	11/15/23	79.30	64.94	-
MW-BW-17-A	144.24	02/14/24	79.19	65.05	-
MW-BW-17-A	144.24	05/15/24	79.01	65.23	-

**Table 5. Groundwater Elevations,
Fourth Quarter 2023 through Third Quarter 2024**

Station Name	Top of Casing Elevation (feet) ¹	Date Measured	Depth to Water (feet) ²	Water Level Elevation (feet) ¹	Total Depth (feet) ²
MW-BW-17-A	144.24	08/23/24	78.82	65.42	107.11
MW-BW-18-A	127.02	11/15/23	70.87	56.15	-
MW-BW-18-A	127.02	02/14/24	71.35	55.67	-
MW-BW-18-A	127.02	05/15/24	71.06	55.96	-
MW-BW-18-A	127.02	08/22/24	68.66	58.36	88.30
MW-BW-24-A	145.99	11/15/23	78.33	67.66	-
MW-BW-24-A	145.99	02/14/24	78.16	67.83	-
MW-BW-24-A	145.99	05/15/24	78.02	67.97	-
MW-BW-24-A	145.99	08/22/24	77.85	68.14	95.76
MW-BW-25-A	143.58	11/15/23	75.52	68.06	-
MW-BW-25-A	143.58	02/14/24	74.12	69.46	-
MW-BW-25-A	143.58	05/15/24	73.98	69.60	-
MW-BW-25-A	143.58	08/22/24	75.22	68.36	100.00
MW-BW-26-A	165.51	11/15/23	108.20	57.31	-
MW-BW-26-A	165.51	02/14/24	108.24	57.27	-
MW-BW-26-A	165.51	05/15/24	107.99	57.52	-
MW-BW-26-A	165.51	08/22/24	107.71	57.80	131.23
MW-BW-27-A	155.79	11/14/23	96.90	58.89	-
MW-BW-27-A	155.79	02/15/24	97.30	58.49	-
MW-BW-27-A	155.79	05/16/24	96.83	58.96	-
MW-BW-27-A	155.79	08/20/24	96.57	59.22	111.53
MW-BW-28-A	143.16	11/14/23	82.09	61.07	-
MW-BW-28-A	143.16	02/13/24	81.78	61.38	-
MW-BW-28-A	143.16	05/14/24	81.73	61.43	-
MW-BW-28-A	143.16	08/22/24	81.59	61.57	103.19
MW-BW-30-A	152.12	11/14/23	96.68	55.44	-
MW-BW-30-A	152.12	02/15/24	97.06	55.06	-
MW-BW-30-A	152.12	05/15/24	96.75	55.37	-
MW-BW-30-A	152.12	08/20/24	96.34	55.78	107.22
MW-BW-31-A	126.07	11/13/23	73.89	52.18	-
MW-BW-31-A	126.07	02/12/24	73.91	52.16	-
MW-BW-31-A	126.07	05/13/24	73.73	52.34	-
MW-BW-31-A	126.07	08/22/24	73.28	52.79	96.85
MW-BW-32-A	113.48	11/13/23	60.99	52.49	-
MW-BW-32-A	113.48	02/12/24	61.00	52.48	-
MW-BW-32-A	113.48	05/13/24	60.93	52.55	-
MW-BW-32-A	113.48	08/22/24	60.57	52.91	84.45
MW-BW-34-A	128.60	11/15/23	78.94	49.66	-
MW-BW-34-A	128.60	02/15/24	78.57	50.03	-
MW-BW-34-A	128.60	05/16/24	77.97	50.63	-
MW-BW-34-A	128.60	08/20/24	77.35	51.25	98.21

**Table 5. Groundwater Elevations,
Fourth Quarter 2023 through Third Quarter 2024**

Station Name	Top of Casing Elevation (feet) ¹	Date Measured	Depth to Water (feet) ²	Water Level Elevation (feet) ¹	Total Depth (feet) ²
MW-BW-35-A	112.29	11/13/23	63.99	48.30	-
MW-BW-35-A	112.29	02/12/24	63.73	48.56	-
MW-BW-35-A	112.29	05/13/24	63.53	48.76	-
MW-BW-35-A	112.29	08/22/24	63.16	49.13	91.15
MW-BW-36-A	114.66	11/13/23	66.69	47.97	-
MW-BW-36-A	114.66	02/12/24	66.52	48.14	-
MW-BW-36-A	114.66	05/13/24	66.34	48.32	-
MW-BW-36-A	114.66	08/22/24	66.01	48.65	86.94
MW-BW-38-A	115.68	11/15/23	67.96	47.72	-
MW-BW-38-A	115.68	02/15/24	67.23	48.45	-
MW-BW-38-A	115.68	05/15/24	67.69	47.99	-
MW-BW-38-A	115.68	08/20/24	67.35	48.33	85.28
MW-BW-39-A	79.86	11/13/23	35.42	44.44	-
MW-BW-39-A	79.86	02/12/24	35.37	44.49	-
MW-BW-39-A	79.86	05/13/24	35.30	44.56	-
MW-BW-39-A	79.86	08/23/24	34.88	44.98	56.90
MW-BW-41-A	87.12	11/15/23	47.08	40.04	-
MW-BW-41-A	87.12	02/15/24	46.82	40.30	-
MW-BW-41-A	87.12	05/16/24	47.25	39.87	-
MW-BW-41-A	87.12	08/20/24	47.16	39.96	67.48
MW-BW-42-A	88.52	11/13/23	46.99	41.53	-
MW-BW-42-A	88.52	02/12/24	46.70	41.82	-
MW-BW-42-A	88.52	05/13/24	46.64	41.88	-
MW-BW-42-A	88.52	08/22/24	46.45	42.07	58.63
MW-BW-43-A	60.70	11/13/23	23.90	36.80	-
MW-BW-43-A	60.70	02/12/24	23.86	36.84	-
MW-BW-43-A	60.70	05/13/24	23.57	37.13	-
MW-BW-43-A	60.70	08/22/24	23.54	37.16	39.16
MW-BW-44-A	79.30	11/13/23	69.31	9.99	-
MW-BW-44-A	79.30	02/12/24	68.76	10.54	-
MW-BW-44-A	79.30	05/13/24	67.77	11.53	-
MW-BW-44-A	79.30	08/22/24	68.10	11.20	84.56
MW-BW-45-A	77.40	11/15/23	67.78	9.62	-
MW-BW-45-A	77.40	02/15/24	66.54	10.86	-
MW-BW-45-A	77.40	05/16/24	66.00	11.40	-
MW-BW-45-A	77.40	08/20/24	66.17	11.23	87.11
MW-BW-46-A	67.72	11/16/23	58.97	8.75	-
MW-BW-46-A	67.72	02/15/24	58.76	8.96	-
MW-BW-46-A	67.72	05/16/24	57.74	9.98	-
MW-BW-46-A	67.72	08/20/24	56.93	10.79	83.61
MW-BW-48-A	45.93	11/16/23	37.15	8.77	-

**Table 5. Groundwater Elevations,
Fourth Quarter 2023 through Third Quarter 2024**

Station Name	Top of Casing Elevation (feet) ¹	Date Measured	Depth to Water (feet) ²	Water Level Elevation (feet) ¹	Total Depth (feet) ²
MW-BW-48-A	45.93	02/15/24	36.89	9.04	-
MW-BW-48-A	45.93	05/16/24	35.32	10.61	-
MW-BW-48-A	45.93	08/19/24	35.77	10.16	61.53
MW-BW-49-A	44.49	11/16/23	35.30	9.19	-
MW-BW-49-A	44.49	02/15/24	34.10	10.39	-
MW-BW-49-A	44.49	05/16/24	35.52	8.97	-
MW-BW-49-A	44.49	08/19/24	33.89	10.60	61.61
MW-BW-50-A	182.25	11/15/23	106.02	76.23	-
MW-BW-50-A	182.25	02/14/24	105.87	76.38	-
MW-BW-50-A	182.25	05/16/24	105.06	77.19	-
MW-BW-50-A	182.25	08/22/24	104.89	77.36	128.90 ⁴
MW-BW-51-A	146.14	11/15/23	71.94	74.20	-
MW-BW-51-A	146.14	02/14/24	72.60	73.54	-
MW-BW-51-A	146.14	05/15/24	72.44	73.70	-
MW-BW-51-A	146.14	08/20/24	71.93	74.21	94.73
MW-BW-53-A	175.72	11/15/23	104.10	71.62	-
MW-BW-53-A	175.72	02/14/24	103.87	71.85	-
MW-BW-53-A	175.72	05/15/24	103.02	72.70	-
MW-BW-53-A	175.72	08/20/24	103.70	72.02	125.22
MW-BW-54-A	146.54	11/15/23	75.09	71.45	-
MW-BW-54-A	146.54	02/14/24	75.14	71.40	-
MW-BW-54-A	146.54	05/15/24	75.03	71.51	-
MW-BW-54-A	146.54	08/20/24	74.94	71.60	89.81
MW-BW-56-A	142.74	11/16/23	74.29	68.45	-
MW-BW-56-A	142.74	03/05/24	74.28	68.46	-
MW-BW-56-A	142.74	05/14/24	74.15	68.59	-
MW-BW-56-A	142.74	08/20/24	74.13	68.61	100.24
MW-BW-57-A	146.11	11/14/23	76.43	69.68	-
MW-BW-57-A	146.11	02/13/24	72.84	73.27	-
MW-BW-57-A	146.11	05/16/24	72.24	73.87	-
MW-BW-57-A	146.11	08/27/24	78.40	67.71	-
MW-BW-58-A	132.48	11/14/23	68.49	63.99	-
MW-BW-58-A	132.48	02/13/24	68.48	64.00	-
MW-BW-58-A	132.48	05/14/24	68.37	64.11	-
MW-BW-58-A	132.48	08/21/24	69.99	62.49	88.43
MW-BW-59-A	79.50	11/13/23	36.98	42.52	-
MW-BW-59-A	79.50	02/12/24	36.92	42.58	-
MW-BW-59-A	79.50	05/13/24	36.75	42.75	-
MW-BW-59-A	79.50	08/23/24	37.02	42.48	70.00
MW-BW-60-A	141.28	11/14/23	77.26	64.02	-
MW-BW-60-A	141.28	02/13/24	77.62	63.66	-

**Table 5. Groundwater Elevations,
Fourth Quarter 2023 through Third Quarter 2024**

Station Name	Top of Casing Elevation (feet) ¹	Date Measured	Depth to Water (feet) ²	Water Level Elevation (feet) ¹	Total Depth (feet) ²
MW-BW-60-A	141.28	05/14/24	77.02	64.26	-
MW-BW-60-A	141.28	08/22/24	76.74	64.54	93.11
MW-BW-63-A	182.28	11/15/23	110.18	72.10	-
MW-BW-63-A	182.28	02/14/24	110.38	71.90	-
MW-BW-63-A	182.28	05/16/24	109.78	72.50	-
MW-BW-63-A	182.28	08/22/24	105.46	76.82	128.00
MW-BW-65-A	49.52	11/16/23	40.09	9.43	-
MW-BW-65-A	49.52	02/15/24	39.96	9.56	-
MW-BW-65-A	49.52	05/16/24	38.29	11.23	-
MW-BW-65-A	49.52	08/20/24	38.79	10.73	69.27
MW-BW-66-A	86.48	11/13/23	52.99	33.49	-
MW-BW-66-A	86.48	02/12/24	52.86	33.62	-
MW-BW-66-A	86.48	05/13/24	52.77	33.71	-
MW-BW-66-A	86.48	08/22/24	52.53	33.95	66.97
MW-BW-67-A	111.16	11/13/23	77.65	33.51	-
MW-BW-67-A	111.16	02/12/24	77.64	33.52	-
MW-BW-67-A	111.16	05/13/24	77.47	33.69	-
MW-BW-67-A	111.16	08/22/24	77.23	33.93	90.12
MW-BW-74-A	30.47	11/16/23	22.26	8.21	-
MW-BW-74-A	30.47	02/15/24	21.87	8.60	-
MW-BW-74-A	30.47	05/16/24	20.39	10.08	-
MW-BW-74-A	30.47	08/23/24	21.17	9.30	59.42
MW-BW-75-A	32.32	11/16/23	23.20	9.12	-
MW-BW-75-A	32.32	02/15/24	23.10	9.22	-
MW-BW-75-A	32.32	05/16/24	23.26	9.06	-
MW-BW-75-A	32.32	08/23/24	22.05	10.27	53.84
MW-BW-77-A	82.30	11/16/23	69.47	12.83	-
MW-BW-77-A	82.30	02/15/24	69.54	12.76	-
MW-BW-77-A	82.30	05/16/24	68.77	13.53	-
MW-BW-77-A	82.30	08/20/24	68.95	13.35	92.84
MW-BW-78-A	64.48	11/16/23	54.13	10.35	-
MW-BW-78-A	64.48	02/15/24	55.20	9.28	-
MW-BW-78-A	64.48	05/16/24	52.38	12.10	-
MW-BW-78-A	64.48	08/19/24	52.61	11.87	83.99
MW-BW-79-A	65.17	11/16/23	55.02	10.15	-
MW-BW-79-A	65.17	02/15/24	53.80	11.37	-
MW-BW-79-A	65.17	05/16/24	53.38	11.79	-
MW-BW-79-A	65.17	08/20/24	53.71	11.46	82.70
MW-BW-80-A	51.33	11/16/23	41.34	9.99	-
MW-BW-80-A	51.33	02/15/24	42.26	9.07	-
MW-BW-80-A	51.33	05/16/24	39.51	11.82	-

**Table 5. Groundwater Elevations,
Fourth Quarter 2023 through Third Quarter 2024**

Station Name	Top of Casing Elevation (feet) ¹	Date Measured	Depth to Water (feet) ²	Water Level Elevation (feet) ¹	Total Depth (feet) ²
MW-BW-80-A	51.33	08/19/24	39.91	11.42	75.34
MW-BW-81-A	51.23	11/16/23	42.77	8.46	-
MW-BW-81-A	51.23	02/15/24	42.10	9.13	-
MW-BW-81-A	51.23	05/16/24	40.67	10.56	-
MW-BW-81-A	51.23	08/19/24	41.40	9.83	79.48
MW-BW-82-A	38.75	11/16/23	30.99	7.76	-
MW-BW-82-A	38.75	02/15/24	30.21	8.54	-
MW-BW-82-A	38.75	05/16/24	29.18	9.57	-
MW-BW-82-A	38.75	08/20/24	29.52	9.23	70.92
MW-BW-83-A	23.72	11/16/23	17.08	6.64	-
MW-BW-83-A	23.72	02/15/24	16.95	6.77	-
MW-BW-83-A	23.72	05/16/24	16.34	7.38	-
MW-BW-83-A	23.72	08/28/24	15.16	8.56	67.40 ⁴
MW-BW-85-A	132.79	11/14/23	65.54	67.25	-
MW-BW-85-A	132.79	02/14/24	65.50	67.29	-
MW-BW-85-A	132.79	05/14/24	65.29	67.50	-
MW-BW-85-A	132.79	08/21/24	65.24	67.55	91.71
MW-BW-86-A	135.79	11/14/23	71.97	63.82	-
MW-BW-86-A	135.79	02/13/24	72.12	63.67	-
MW-BW-86-A	135.79	05/14/24	71.83	63.96	-
MW-BW-86-A	135.79	08/21/24	71.60	64.19	94.04
MW-BW-87-A	135.37	11/14/23	70.51	64.86	-
MW-BW-87-A	135.37	02/13/24	70.52	64.85	-
MW-BW-87-A	135.37	05/14/24	70.38	64.99	-
MW-BW-87-A	135.37	08/27/24	70.15	65.22	100.51 ⁴
MW-BW-88-A	148.06	11/14/23	83.70	64.36	-
MW-BW-88-A	148.06	02/13/24	83.66	64.40	-
MW-BW-88-A	148.06	05/14/24	83.53	64.53	-
MW-BW-88-A	148.06	08/21/24	83.28	64.78	101.27
MW-BW-89-A	141.54	11/14/23	82.43	59.11	-
MW-BW-89-A	141.54	02/13/24	82.35	59.19	-
MW-BW-89-A	141.54	05/14/24	82.12	59.42	-
MW-BW-89-A	141.54	08/22/24	82.50	59.04	101.03
MW-BW-90-A	118.15	11/14/23	55.34	62.81	-
MW-BW-90-A	118.15	02/13/24	55.26	62.89	-
MW-BW-90-A	118.15	05/14/24	55.17	62.98	-
MW-BW-90-A	118.15	08/21/24	54.85	63.30	81.73
MW-BW-91-A	131.38	11/14/23	64.43	66.95	-
MW-BW-91-A	131.38	02/14/24	65.54	65.84	-
MW-BW-91-A	131.38	05/15/24	64.31	67.07	-
MW-BW-91-A	131.38	08/21/24	64.14	67.24	89.33

**Table 5. Groundwater Elevations,
Fourth Quarter 2023 through Third Quarter 2024**

Station Name	Top of Casing Elevation (feet) ¹	Date Measured	Depth to Water (feet) ²	Water Level Elevation (feet) ¹	Total Depth (feet) ²
MW-BW-92-A	121.81	11/16/23	69.40	52.41	-
MW-BW-92-A	121.81	02/12/24	69.26	52.55	-
MW-BW-92-A	121.81	05/13/24	69.24	52.57	-
MW-BW-92-A	121.81	08/23/24	69.00	52.81	92.20
MW-BW-93-A	138.20	11/14/23	77.44	60.76	77.44
MW-BW-93-A	138.20	02/13/24	77.45	60.75	-
MW-BW-93-A	138.20	05/14/24	77.31	60.89	-
MW-BW-93-A	138.20	08/22/24	77.00	61.20	115.87
MW-BW-94-AR	117.54	11/14/23	56.09	61.45	-
MW-BW-94-AR	117.54	02/13/24	56.11	61.43	-
MW-BW-94-AR	117.54	05/14/24	55.90	61.64	-
MW-BW-94-AR	117.54	08/21/24	56.00	61.54	92.90
MW-BW-95-A	144.83	11/14/23	92.64	52.19	-
MW-BW-95-A	144.83	02/13/24	92.62	52.21	-
MW-BW-95-A	144.83	05/14/24	92.49	52.34	-
MW-BW-95-A	144.83	08/23/24	92.40	52.43	121.31
MW-BW-96-A	135.22	11/14/23	86.04	49.18	-
MW-BW-96-A	135.22	02/12/24	86.11	49.11	-
MW-BW-96-A	135.22	05/13/24	85.97	49.25	-
MW-BW-96-A	135.22	08/23/24	85.85	49.37	110.10
MW-BW-97-A	113.32	11/14/23	65.51	47.81	-
MW-BW-97-A	113.32	02/12/24	65.52	47.80	-
MW-BW-97-A	113.32	05/13/24	65.42	47.90	-
MW-BW-97-A	113.32	08/23/24	65.20	48.12	103.76
Upper 180-Foot Aquifer					
EW-OU2-09-180	149.55	12/06/23	159.92	-10.37	-
EW-OU2-09-180	149.55	02/14/24	158.84	-9.29	-
EW-OU2-09-180	149.55	05/14/24	158.42	-8.87	-
EW-OU2-09-180	149.55	08/13/24	161.65	-12.10	210.00
EW-OU2-13-180 ³	146.73	08/13/24	157.02	-10.29	222.30
MP-BW-30-282	156.08	11/14/23	162.77	-8.36	-
MP-BW-30-282	156.08	02/13/24	159.59	-3.51	-
MP-BW-30-282	156.08	05/15/24	161.53	-5.45	-
MP-BW-30-282	156.08	08/20/24	165.29	-9.21	-
MP-BW-32-287	153.04	11/14/23	160.43	-33.92	-
MP-BW-32-287	153.04	02/13/24	156.87	-3.83	-
MP-BW-32-287	153.04	05/14/24	158.65	-5.61	-
MP-BW-32-287	153.04	08/20/24	162.50	-9.46	-
MP-BW-33-272	153.85	11/16/23	161.05	-10.40	-
MP-BW-33-272	153.85	02/13/24	158.01	-4.16	-
MP-BW-33-272	153.85	05/16/24	159.37	-5.52	-

**Table 5. Groundwater Elevations,
Fourth Quarter 2023 through Third Quarter 2024**

Station Name	Top of Casing Elevation (feet) ¹	Date Measured	Depth to Water (feet) ²	Water Level Elevation (feet) ¹	Total Depth (feet) ²
MP-BW-33-272	153.85	08/20/24	163.38	-9.53	-
MP-BW-35-242	138.56	11/14/23	145.24	-22.49	-
MP-BW-35-242	138.56	02/12/24	143.19	-4.63	-
MP-BW-35-242	138.56	05/13/24	142.41	-3.85	-
MP-BW-35-242	138.56	08/20/24	144.92	-6.36	-
MP-BW-37-178	135.76	11/14/23	141.47	-5.71	-
MP-BW-37-178	135.76	02/13/24	138.98	-3.22	-
MP-BW-37-178	135.76	05/14/24	139.11	-3.35	-
MP-BW-37-178	135.76	08/20/24	141.65	-5.89	-
MP-BW-41-231	157.05	11/15/23	166.29	-9.33	-
MP-BW-41-231	157.05	02/15/24	163.76	-6.71	-
MP-BW-41-231	157.05	05/16/24	161.58	-4.53	-
MP-BW-41-231	157.05	08/22/24	166.89	-9.84	-
MP-BW-42-215	148.69	11/15/23	157.20	-15.31	-
MP-BW-42-215	148.69	02/14/24	154.66	-5.97	-
MP-BW-42-215	148.69	05/16/24	154.43	-5.74	-
MP-BW-42-215	148.69	08/21/24	157.61	-8.92	-
MP-BW-46-170	151.83	11/16/23	158.73	-13.83	-
MP-BW-46-170	151.83	02/13/24	156.36	-4.53	-
MP-BW-46-170	151.83	05/16/24	156.06	-4.23	-
MP-BW-46-170	151.83	08/21/24	159.03	-7.20	-
MW-B-05-180	120.74	11/14/23	126.70	-5.96	-
MW-B-05-180	120.74	02/12/24	122.82	-2.08	-
MW-B-05-180	120.74	05/13/24	122.69	-1.95	-
MW-B-05-180	120.74	08/23/24	125.39	-4.65	249.32
MW-BW-02-180	141.25	11/16/23	150.81	-9.56	-
MW-BW-02-180	141.25	02/15/24	150.49	-9.24	-
MW-BW-02-180	141.25	05/16/24	147.17	-5.92	-
MW-BW-02-180	141.25	08/27/24	149.45	-8.20	169.86
MW-BW-21-180	144.67	11/14/23	151.21	-6.54	-
MW-BW-21-180	144.67	02/13/24	148.75	-4.08	-
MW-BW-21-180	144.67	05/14/24	148.58	-3.91	-
MW-BW-21-180	144.67	09/27/24	150.55	-5.88	195.24
MW-BW-26-180	165.21	11/15/23	172.48	-7.27	-
MW-BW-26-180	165.21	03/05/24	168.18	-2.97	-
MW-BW-26-180	165.21	05/15/24	168.06	-2.85	-
MW-BW-26-180	165.21	08/22/24	171.51	-6.30	248.65
MW-BW-43-180	132.85	11/15/23	139.00	-6.15	-
MW-BW-43-180	132.85	02/14/24	136.72	-3.87	-
MW-BW-43-180	132.85	05/15/24	136.88	-4.03	-
MW-BW-43-180	132.85	08/22/24	139.70	-6.85	200.14

**Table 5. Groundwater Elevations,
Fourth Quarter 2023 through Third Quarter 2024**

Station Name	Top of Casing Elevation (feet) ¹	Date Measured	Depth to Water (feet) ²	Water Level Elevation (feet) ¹	Total Depth (feet) ²
MW-BW-44-180	147.16	11/15/23	155.03	-7.87	-
MW-BW-44-180	147.16	03/14/24	150.56	-3.40	-
MW-BW-44-180	147.16	05/15/24	149.98	-2.82	-
MW-BW-44-180	147.16	08/20/24	154.51	-7.35	213.66
MW-BW-45-180	140.03	11/15/23	149.12	-9.09	-
MW-BW-45-180	140.03	03/14/24	143.85	-3.82	-
MW-BW-45-180	140.03	05/15/24	143.31	-3.28	-
MW-BW-45-180	140.03	08/22/24	147.54	-7.51	195.50
MW-BW-47-180	162.46	11/15/23	171.72	-9.26	-
MW-BW-47-180	162.46	03/14/24	166.89	-4.43	-
MW-BW-47-180	162.46	05/15/24	166.13	-3.67	-
MW-BW-47-180	162.46	08/20/24	169.53	-7.07	225.31
MW-BW-49-180	164.57	11/15/23	173.44	-8.87	-
MW-BW-49-180	164.57	03/14/24	170.05	-5.48	-
MW-BW-49-180	164.57	05/16/24	170.88	-6.31	-
MW-BW-49-180	164.57	08/22/24	171.16	-6.59	219.00
MW-BW-50-180	178.65	11/15/23	191.91	-13.26	-
MW-BW-50-180	178.65	03/14/24	184.30	-5.65	-
MW-BW-50-180	178.65	05/16/24	189.02	-10.37	-
MW-BW-50-180	178.65	08/22/24	186.54	-7.89	242.64
MW-BW-51-180	148.83	11/15/23	157.33	-8.50	-
MW-BW-51-180	148.83	03/14/24	153.85	-5.02	-
MW-BW-51-180	148.83	05/16/24	153.02	-4.19	-
MW-BW-51-180	148.83	08/20/24	157.52	-8.69	199.70
MW-BW-52-180	148.47	11/16/23	156.55	-8.08	-
MW-BW-52-180	148.47	02/14/24	153.96	-5.49	-
MW-BW-52-180	148.47	05/15/24	153.77	-5.30	-
MW-BW-52-180	148.47	08/20/24	156.69	-8.22	200.57
MW-BW-53-180	170.88	11/15/23	180.60	-9.72	-
MW-BW-53-180	170.88	03/14/24	175.33	-4.45	-
MW-BW-53-180	170.88	05/15/24	174.65	-3.77	-
MW-BW-53-180	170.88	08/20/24	178.97	-8.09	220.53
MW-BW-54-180	127.78	11/13/23	132.91	-5.13	-
MW-BW-54-180	127.78	02/12/24	130.72	-2.94	-
MW-BW-54-180	127.78	05/13/24	130.61	-2.83	-
MW-BW-54-180	127.78	09/27/24	132.35	-4.57	202.71
MW-BW-55-180	144.47	11/14/23	150.85	-6.38	-
MW-BW-55-180	144.47	02/13/24	148.40	-3.93	-
MW-BW-55-180	144.47	05/14/24	148.29	-3.82	-
MW-BW-55-180	144.47	09/27/24	150.23	-5.76	202.99
MW-BW-56-180	178.29	11/15/23	188.15	-9.86	-

**Table 5. Groundwater Elevations,
Fourth Quarter 2023 through Third Quarter 2024**

Station Name	Top of Casing Elevation (feet) ¹	Date Measured	Depth to Water (feet) ²	Water Level Elevation (feet) ¹	Total Depth (feet) ²
MW-BW-56-180	178.29	03/14/24	183.92	-5.63	-
MW-BW-56-180	178.29	05/16/24	184.65	-6.36	-
MW-BW-56-180	178.29	09/25/24	187.25	-8.96	228.90
MW-BW-57-180	152.85	11/15/23	161.25	-8.40	-
MW-BW-57-180	152.85	02/15/24	158.95	-6.10	-
MW-BW-57-180	152.85	05/16/24	158.43	-5.58	-
MW-BW-57-180	152.85	08/21/24	161.53	-8.68	208.29
MW-BW-58-180	133.42	11/15/23	143.02	-9.60	-
MW-BW-58-180	133.42	02/15/24	140.32	-6.90	-
MW-BW-58-180	133.42	05/16/24	139.77	-6.35	-
MW-BW-58-180	133.42	08/21/24	143.21	-9.79	180.25
MW-OU2-30-180	163.59	11/15/23	172.05	-8.46	-
MW-OU2-30-180	163.59	03/14/24	168.62	-5.03	-
MW-OU2-30-180	163.59	05/16/24	166.97	-3.38	-
MW-OU2-30-180	163.59	08/22/24	172.61	-9.02	203.60
MW-OU2-64-180	142.28	11/15/23	151.74	-9.46	-
MW-OU2-64-180	142.28	02/14/24	148.91	-6.63	-
MW-OU2-64-180	142.28	05/15/24	148.63	-6.35	-
MW-OU2-64-180	142.28	08/22/24	152.06	-9.78	201.84
MW-OU2-67-180	162.80	11/16/23	173.18	-10.38	-
MW-OU2-67-180	162.80	02/14/24	170.01	-7.21	-
MW-OU2-67-180	162.80	05/15/24	169.81	-7.01	-
MW-OU2-67-180	162.80	08/21/24	173.52	-10.72	212.95
MW-OU2-70-180	196.79	11/16/23	207.82	-11.03	-
MW-OU2-70-180	196.79	02/15/24	204.66	-7.87	-
MW-OU2-70-180	196.79	05/16/24	204.28	-7.49	-
MW-OU2-70-180	196.79	08/21/24	207.65	-10.86	243.35
Lower 180-Foot Aquifer					
AIRFIELD	142.00	11/14/23	150.42	-8.42	-
AIRFIELD	142.00	02/15/24	146.20	-4.20	-
AIRFIELD	142.00	05/16/24	147.95	-5.95	-
AIRFIELD	142.00	08/20/24	153.82	-11.82	-
EW-OU2-07-180	163.39	11/15/23	173.50	-10.11	-
EW-OU2-07-180	163.39	02/14/24	171.05	-7.66	-
EW-OU2-07-180	163.39	05/15/24	170.45	-7.06	-
EW-OU2-07-180	163.39	08/20/24	173.72	-10.33	287.25
MP-BW-30-397	156.08	11/14/23	162.05	-8.36	-
MP-BW-30-397	156.08	02/13/24	157.95	-1.87	-
MP-BW-30-397	156.08	05/15/24	160.92	-4.84	-
MP-BW-30-397	156.08	08/20/24	164.70	-8.62	-
MP-BW-31-407	137.11	11/14/23	141.24	-16.45	-

**Table 5. Groundwater Elevations,
Fourth Quarter 2023 through Third Quarter 2024**

Station Name	Top of Casing Elevation (feet) ¹	Date Measured	Depth to Water (feet) ²	Water Level Elevation (feet) ¹	Total Depth (feet) ²
MP-BW-31-407	137.11	02/13/24	139.28	-2.17	-
MP-BW-31-407	137.11	05/14/24	140.70	-3.59	-
MP-BW-31-407	137.11	08/20/24	145.60	-8.49	-
MP-BW-32-412	153.04	11/14/23	159.68	-33.92	-
MP-BW-32-412	153.04	02/13/24	155.96	-2.92	-
MP-BW-32-412	153.04	05/14/24	158.04	-5.00	-
MP-BW-32-412	153.04	08/20/24	162.01	-8.97	-
MP-BW-33-352	153.85	11/16/23	161.01	-10.40	-
MP-BW-33-352	153.85	02/13/24	157.85	-4.00	-
MP-BW-33-352	153.85	05/16/24	159.32	-5.47	-
MP-BW-33-352	153.85	08/20/24	163.52	-9.67	-
MP-BW-34-422	127.61	11/14/23	135.72	-17.16	-
MP-BW-34-422	127.61	02/13/24	131.52	-3.91	-
MP-BW-34-422	127.61	05/14/24	133.94	-6.33	-
MP-BW-34-422	127.61	08/20/24	138.35	-10.74	-
MP-BW-35-402	138.56	11/14/23	146.99	-22.49	-
MP-BW-35-402	138.56	02/12/24	142.29	-3.73	-
MP-BW-35-402	138.56	05/13/24	145.40	-6.84	-
MP-BW-35-402	138.56	08/20/24	150.45	-11.89	-
MP-BW-37-368	135.76	11/14/23	142.32	-6.56	-
MP-BW-37-368	135.76	02/13/24	138.69	-2.93	-
MP-BW-37-368	135.76	05/14/24	140.91	-5.15	-
MP-BW-37-368	135.76	08/20/24	144.76	-9.00	-
MP-BW-38-353	126.17	11/13/23	115.23	1.37	-
MP-BW-38-353	126.17	02/12/24	127.75	-1.58	-
MP-BW-38-353	126.17	05/13/24	131.38	-5.21	-
MP-BW-38-353	126.17	08/19/24	136.84	-10.67	-
MP-BW-39-330	140.42	11/13/23	52.10	80.36	-
MP-BW-39-330	140.42	02/12/24	143.87	-3.45	-
MP-BW-39-330	140.42	05/13/24	146.82	-6.40	-
MP-BW-39-330	140.42	08/19/24	151.69	-11.27	-
MP-BW-40-353	126.42	11/13/23	138.08	77.53	-
MP-BW-40-353	126.42	02/12/24	132.80	-6.38	-
MP-BW-40-353	126.42	05/13/24	136.40	-9.98	-
MP-BW-40-353	126.42	08/19/24	142.05	-15.63	-
MP-BW-41-318	157.05	11/15/23	166.18	-9.33	-
MP-BW-41-318	157.05	02/15/24	163.58	-6.53	-
MP-BW-41-318	157.05	05/16/24	163.37	-6.32	-
MP-BW-41-318	157.05	08/22/24	166.90	-9.85	-
MP-BW-41-353	157.05	11/15/23	166.22	-9.33	-
MP-BW-41-353	157.05	02/15/24	163.54	-6.49	-

**Table 5. Groundwater Elevations,
Fourth Quarter 2023 through Third Quarter 2024**

Station Name	Top of Casing Elevation (feet) ¹	Date Measured	Depth to Water (feet) ²	Water Level Elevation (feet) ¹	Total Depth (feet) ²
MP-BW-41-353	157.05	05/16/24	163.35	-6.30	-
MP-BW-41-353	157.05	08/22/24	166.95	-9.90	-
MP-BW-42-295	148.69	02/14/24	154.51	-5.82	-
MP-BW-42-314	148.69	02/14/24	154.54	-5.85	-
MP-BW-42-345	148.69	11/15/23	157.32	-15.31	-
MP-BW-42-345	148.69	02/14/24	154.44	-5.75	-
MP-BW-42-345	148.69	05/16/24	154.69	-6.00	-
MP-BW-42-345	148.69	08/21/24	158.13	-9.44	-
MP-BW-42-400	148.69	02/14/24	154.35	-5.66	-
MP-BW-49-287	164.60	11/15/23	174.29	-23.78	-
MP-BW-49-287	164.60	02/14/24	171.04	-6.44	-
MP-BW-49-287	164.60	05/15/24	171.31	-6.71	-
MP-BW-49-287	164.60	08/22/24	175.00	-10.40	-
MP-BW-49-316	164.60	11/15/23	174.29	-23.78	-
MP-BW-49-316	164.60	02/14/24	171.04	-6.44	-
MP-BW-49-316	164.60	05/15/24	171.39	-6.79	-
MP-BW-49-316	164.60	08/22/24	175.08	-10.48	-
MP-BW-49-368	164.60	11/15/23	174.39	-23.78	-
MP-BW-49-368	164.60	02/14/24	171.07	-6.47	-
MP-BW-49-368	164.60	05/15/24	171.53	-6.93	-
MP-BW-49-368	164.60	08/22/24	175.20	-10.60	-
MP-BW-49-400	164.60	11/15/23	174.42	-23.78	-
MP-BW-49-400	164.60	02/14/24	171.10	-6.50	-
MP-BW-49-400	164.60	05/15/24	171.58	-6.98	-
MP-BW-49-400	164.60	08/22/24	175.29	-10.69	-
MP-BW-50-289	133.57	02/15/24	140.53	-6.96	-
MP-BW-50-309	133.57	02/15/24	140.56	-6.99	-
MP-BW-50-339	133.57	11/15/23	144.01	-22.39	-
MP-BW-50-339	133.57	02/15/24	140.59	-7.02	-
MP-BW-50-339	133.57	05/16/24	141.08	-7.51	-
MP-BW-50-339	133.57	08/21/24	145.60	-12.03	-
MP-BW-50-359	133.57	02/15/24	140.59	-7.02	-
MP-BW-50-384	133.57	11/15/23	144.07	-22.39	-
MP-BW-50-384	133.57	02/15/24	140.63	-7.06	-
MP-BW-50-384	133.57	05/16/24	141.14	-7.57	-
MP-BW-50-384	133.57	08/21/24	145.71	-12.14	-
MP-BW-51-405	155.82	11/15/23	166.94	-21.97	-
MP-BW-51-405	155.82	02/14/24	162.39	-6.57	-
MP-BW-51-405	155.82	05/16/24	164.22	-8.40	-
MP-BW-51-405	155.82	08/21/24	169.29	-13.47	-
MP-BW-52-363	135.76	11/14/23	144.59	-2.59	-

**Table 5. Groundwater Elevations,
Fourth Quarter 2023 through Third Quarter 2024**

Station Name	Top of Casing Elevation (feet) ¹	Date Measured	Depth to Water (feet) ²	Water Level Elevation (feet) ¹	Total Depth (feet) ²
MP-BW-52-363	135.76	02/12/24	139.84	-4.08	-
MP-BW-52-363	135.76	05/14/24	143.35	-7.59	-
MP-BW-52-363	135.76	08/20/24	148.70	-12.94	-
MW-BW-04-180	140.97	11/16/23	152.70	-11.73	-
MW-BW-04-180	140.97	02/15/24	151.65	-10.68	-
MW-BW-04-180	140.97	05/16/24	149.92	-8.95	-
MW-BW-04-180	140.97	08/22/24	154.94	-13.97	300.00
MW-BW-59-180	198.85	11/15/23	208.18	-9.33	-
MW-BW-59-180	198.85	02/14/24	206.08	-7.23	-
MW-BW-59-180	198.85	05/15/24	206.07	-7.22	-
MW-BW-59-180	198.85	08/20/24	208.35	-9.50	-
MW-OU2-07-400	154.16	11/14/23	159.90	-5.74	-
MW-OU2-07-400	154.16	02/13/24	157.63	-3.47	-
MW-OU2-07-400	154.16	05/14/24	158.08	-3.92	-
MW-OU2-07-400	154.16	08/20/24	160.91	-6.75	-
MW-OU2-66-180	144.27	11/15/23	153.85	-9.58	-
MW-OU2-66-180	144.27	02/15/24	150.96	-6.69	-
MW-OU2-66-180	144.27	05/15/24	150.98	-6.71	-
MW-OU2-66-180	144.27	08/22/24	154.60	-10.33	-
MW-OU2-69-180	156.36	11/16/23	166.82	-10.46	-
MW-OU2-69-180	156.36	02/14/24	163.40	-7.04	-
MW-OU2-69-180	156.36	05/15/24	163.66	-7.30	-
MW-OU2-69-180	156.36	08/21/24	167.53	-11.17	-
MW-OU2-72-180	197.48	11/16/23	208.88	-11.40	-
MW-OU2-72-180	197.48	02/15/24	205.21	-7.73	-
MW-OU2-72-180	197.48	05/16/24	205.94	-8.46	-
MW-OU2-72-180	197.48	08/21/24	210.13	-12.65	-
MW-OU2-78-180	167.04	11/15/23	175.96	-8.92	-
MW-OU2-78-180	167.04	02/14/24	173.50	-6.46	-
MW-OU2-78-180	167.04	05/15/24	172.96	-5.92	-
MW-OU2-78-180	167.04	08/20/24	176.25	-9.21	-
MW-OU2-82-180	184.26	11/15/23	194.51	-10.25	-
MW-OU2-82-180	184.26	02/14/24	191.70	-7.44	-
MW-OU2-82-180	184.26	05/15/24	191.12	-6.86	-
MW-OU2-82-180	184.26	09/25/24	194.27	-9.98	-
TEST2	252.00	11/17/23	264.20	-12.20	-
TEST2	252.00	02/15/24	259.50	-7.50	-
TEST2	252.00	05/05/24	261.02	-9.02	-
TEST2	252.00	08/27/24	266.22	-14.22	-

Table 5. Groundwater Elevations, Fourth Quarter 2023 through Third Quarter 2024

Notes:

- no measurement taken (total depth only collected in Third Quarter events)

¹ Elevations are given in feet relative to mean sea level (MSL).

² Depth to water and total depth is measured from top of well casing. Wells with pumps, multi-port wells, or wells greater than 300 feet deep unable to measure total depth.

³ Well top of casing (TOC) elevation not measured yet. Ground elevation used to estimate Groundwater Elevation, until survey data is available

⁴ Total Depth rechecked on 11/6/2024

Table 6. Summary of Groundwater Monitoring Analytical Results, A-Aquifer, Fourth Quarter 2023

Station	Depth (ft btoc)	Analyte:	1,1-DCE (µg/L)		Total 1,2-DCE (µg/L)		CT (µg/L)		Chloroform (µg/L)		MC (µg/L)		PCE (µg/L)		TCE (µg/L)		VC (µg/L)	
		Units:	Value	Qual	Value	Qual	Value	Qual	Value	Qual	Value	Qual	Value	Qual	Value	Qual	Value	Qual
		Date																
EISB-EW-01	80	11/13/2023	<0.25	U	<0.25	U	<0.25	U	0.20	J	<0.50	U	<0.25	U	<0.25	U	<0.10	U
EISB-EW-09	74	11/13/2023	<0.25	U	<0.25	U	0.74		0.26	J	<0.50	U	<0.25	U	<0.25	U	<0.10	U
EISB-EW-09 *	74	11/13/2023	<0.25	U	<0.25	U	0.72		0.26	J	<0.50	U	<0.25	U	<0.25	U	<0.10	U
EW-BW-109-A	107	11/15/2023	<0.25	U	<0.25	U	0.61		0.23	J	<0.50	U	<0.25	U	0.43	J	<0.10	U
EW-BW-124-A	99	11/15/2023	<0.25	U	<0.25	U	0.51		0.37	J	<0.50	U	<0.25	U	0.80		<0.10	U
EW-BW-129-A	102	11/15/2023	<0.25	U	<0.25	U	1.0		0.42	J	<0.50	U	0.11	J	0.89		<0.10	U
EW-BW-135-A	96	11/15/2023	<0.25	U	0.25	J	<0.25	U	<0.25	U	<0.50	U	<0.25	U	0.72		<0.10	U
EW-BW-135-A *	96	11/15/2023	<0.25	U	0.25	J	<0.25	U	<0.25	U	<0.50	U	<0.25	U	0.72		<0.10	U
EW-BW-155-A	91	11/14/2023	<0.25	U	0.11	J	0.12	J	<0.25	U	<2	U	<0.25	U	0.91		<0.10	U
EW-BW-160-A	81	11/14/2023	<0.25	U	<0.25	U	1.3		0.20	J	<2	UJ	<0.25	U	<0.25	U	<0.10	U
MW-B-12-A	66	11/13/2023	<0.25	U	<0.25	U	0.33	J	0.26	J	<0.50	U	<0.25	U	<0.25	U	<0.10	U
MW-B-14-A	89	11/14/2023	<0.25	U	<0.25	U	0.26	J	0.13	J	<2	UJ	<0.25	U	<0.25	U	<0.10	U
MW-BW-17-A	96	11/15/2023	<0.25	U	<0.25	U	<0.25	U	<0.25	U	<0.50	U	<0.25	U	0.90		<0.10	U
MW-BW-26-A	115	11/15/2023	<0.25	U	<0.25	U	0.97		0.52		<0.50	U	<0.25	U	0.56		<0.10	U
MW-BW-27-A	110	11/14/2023	<0.25	U	0.25	J	<0.25	U	<0.25	U	<2	UJ	<0.25	U	0.52		<0.10	U
MW-BW-27-A *	110	11/14/2023	<0.25	U	0.25	J	<0.25	U	<0.25	U	<2	U	<0.25	U	0.51		<0.10	U
MW-BW-31-A	94	11/13/2023	<0.25	U	<0.25	U	<0.25	U	0.26	J	<2	UJ	<0.25	U	0.28	J	<0.10	U
MW-BW-32-A	77	11/13/2023	<0.25	U	<0.25	U	1.1		0.26	J	<2	UJ	<0.25	U	0.10	J	<0.10	U
MW-BW-35-A	82	11/13/2023	<0.25	U	<0.25	U	<0.25	U	0.43	J	<0.50	U	<0.25	U	<0.25	U	<0.10	U
MW-BW-36-A	83	11/13/2023	<0.25	U	<0.25	U	0.85		1.6		<0.50	U	<0.25	U	0.16	J	<0.10	U
MW-BW-48-A	48	11/16/2023	<0.25	U	<0.25	U	0.76		0.24	J	<0.50	U	<0.25	U	<0.25	U	<0.10	U
MW-BW-49-A	39	11/16/2023	<0.25	U	<0.25	U	0.43	J	<0.25	U	<0.50	U	<0.25	U	<0.25	U	<0.10	U
MW-BW-49-A^	59	11/16/2023	<0.25	U	<0.25	U	0.45	J	<0.25	U	<0.50	U	<0.25	U	<0.25	U	<0.10	U
MW-BW-58-A	86	11/14/2023	<0.25	U	<0.25	U	0.60		0.13	J	<2	UJ	<0.25	U	<0.25	U	<0.10	U
MW-BW-65-A	69	11/16/2023	<0.25	U	<0.25	U	0.36	J	0.35	J	<0.50	U	<0.25	U	<0.25	U	<0.10	U
MW-BW-66-A	65	11/13/2023	<0.25	U	<0.25	U	<0.25	U	0.56		<0.50	U	<0.25	U	<0.25	U	<0.10	U
MW-BW-74-A	36	11/16/2023	<0.25	U	<0.25	U	<0.25	U	<0.25	U	<0.50	U	<0.25	U	<0.25	U	<0.10	U
MW-BW-74-A^	56	11/16/2023	<0.25	U	<0.25	U	0.44	J	0.11	J	<0.50	U	<0.25	U	<0.25	U	<0.10	U
MW-BW-75-A	30	11/16/2023	<0.25	U	<0.25	U	<0.25	U	<0.25	U	<0.50	U	<0.25	U	<0.25	U	<0.10	U

Table 6. Summary of Groundwater Monitoring Analytical Results, A-Aquifer, Fourth Quarter 2023

Station	Depth (ft btoc)	Analyte:	1,1-DCE (µg/L)		Total 1,2-DCE (µg/L)		CT (µg/L)		Chloroform (µg/L)		MC (µg/L)		PCE (µg/L)		TCE (µg/L)		VC (µg/L)	
		Units: Date	Value	Qual	Value	Qual	Value	Qual	Value	Qual	Value	Qual	Value	Qual	Value	Qual	Value	Qual
MW-BW-75-A^	50	11/16/2023	<0.25	U	<0.25	U	1.6		0.21	J	<0.50	U	<0.25	U	<0.25	U	<0.10	U
MW-BW-79-A	60	11/16/2023	<0.25	U	<0.25	U	<0.25	U	<0.25	U	<0.50	U	<0.25	U	<0.25	U	<0.10	U
MW-BW-79-A^	75	11/16/2023	<0.25	U	<0.25	U	<0.25	U	<0.25	U	<0.50	U	<0.25	U	<0.25	U	<0.10	U
MW-BW-80-A	44	11/16/2023	<0.25	U	<0.25	U	0.18	J	<0.25	U	<0.50	U	<0.25	U	<0.25	U	<0.10	U
MW-BW-80-A*	44	11/16/2023	<0.25	U	<0.25	U	0.39	J	0.11	J	<0.50	U	<0.25	U	<0.25	U	<0.10	U
MW-BW-81-A	63	11/16/2023	<0.25	U	<0.25	U	<0.25	U	0.15	J	<0.50	U	<0.25	U	<0.25	U	<0.10	U
MW-BW-82-A	32	11/16/2023	<0.25	U	<0.25	U	<0.25	U	<0.25	U	<0.50	U	<0.25	U	<0.25	U	<0.10	U
MW-BW-82-A^	47	11/16/2023	<0.25	U	<0.25	U	0.41	J	0.13	J	<0.50	U	<0.25	U	<0.25	U	<0.10	U
MW-BW-82-A *	47	11/16/2023	<0.25	U	<0.25	U	0.44	J	0.14	J	<0.50	U	<0.25	U	<0.25	U	<0.10	U
MW-BW-85-A	88	11/14/2023	<0.25	U	<0.25	U	0.39	J	0.15	J	<2	UJ	<0.25	U	<0.25	U	<0.10	U
MW-BW-87-A	92	11/14/2023	<0.25	U	<0.25	U	2.2		0.44	J	<2	UJ	<0.25	U	<0.25	U	<0.10	U
MW-BW-89-A	97	11/14/2023	<0.25	U	<0.25	U	0.93		0.29	J	<2	U	<0.25	U	<0.25	U	<0.10	U
MW-BW-90-A	73	11/14/2023	<0.25	U	<0.25	U	0.77		0.15	J	<2	UJ	<0.25	U	<0.25	U	<0.10	U
MW-BW-90-A *	73	11/14/2023	<0.25	U	<0.25	U	0.77		0.15	J	<2	UJ	<0.25	U	<0.25	U	<0.10	U
MW-BW-91-A	85	11/14/2023	<0.25	U	<0.25	U	0.35	J	0.68		<2	UJ	<0.25	U	<0.25	U	<0.10	U
MW-BW-92-A	88	11/16/2023	<0.25	U	<0.25	U	0.88		0.19	J	<0.50	U	<0.25	U	<0.25	U	<0.10	U
MW-BW-93-A	96	11/14/2023	<0.25	U	<0.25	U	0.45	J	0.62		<2	U	<0.25	U	<0.25	U	<0.10	U
MW-BW-94-AR	83	11/14/2023	<0.25	U	<0.25	U	0.29	J	<0.25	U	<2	U	<0.25	U	<0.25	U	<0.10	U
MW-BW-95-A	117	11/14/2023	<0.25	U	<0.25	U	0.96		0.15	J	<2	U	<0.25	U	0.33	J	<0.10	U
MW-BW-96-A	103	11/14/2023	<0.25	U	0.11	J	<0.25	U	0.17	J	<2	U	<0.25	U	2.8		<0.10	U
MW-BW-97-A	94	11/14/2023	<0.25	U	<0.25	U	<0.25	U	<0.25	U	<2	U	<0.25	U	0.37	J	<0.10	U
MW-BW-101-A	86	12/19/2023	<0.25	U	<0.25	U	<0.25	U	<0.25	U	<2	U	<0.25	U	<0.25	U	<0.10	U
MW-BW-101-A^	91	12/19/2023	<0.25	U	<0.25	U	0.63		0.12	J	<2	U	<0.25	U	<0.25	U	<0.10	U
MW-BW-101-A^	96	12/19/2023	<0.25	U	<0.25	U	0.71		0.12	J	<2	U	<0.25	U	<0.25	U	<0.10	U
MW-BW-101-A^	101	12/19/2023	<0.25	U	<0.25	U	0.72		0.12	J	<2	U	<0.25	U	<0.25	U	<0.10	U
MW-BW-102-A	87	12/19/2023	<0.25	U	<0.25	U	0.29	J	0.12	J	<2	UJ	<0.25	U	<0.25	U	<0.10	U
MW-BW-102-A^	92	12/19/2023	<0.25	U	<0.25	U	0.54		0.17	J	<2	U	<0.25	U	<0.25	U	0.13	
MW-BW-102-A^	97	12/19/2023	<0.25	U	<0.25	U	0.53		0.17	J	<2	U	<0.25	U	<0.25	U	0.11	
MW-BW-102-A^*	97	12/19/2023	<0.25	U	<0.25	U	0.39	J	0.17	J	<2	U	<0.25	U	<0.25	U	0.11	

Table 6. Summary of Groundwater Monitoring Analytical Results, A-Aquifer, Fourth Quarter 2023

Station	Depth (ft btoc)	Analyte:	1,1-DCE (µg/L)		Total 1,2-DCE (µg/L)		CT (µg/L)		Chloroform (µg/L)		MC (µg/L)		PCE (µg/L)		TCE (µg/L)		VC (µg/L)	
		Units:	Value	Qual	Value	Qual	Value	Qual	Value	Qual	Value	Qual	Value	Qual	Value	Qual	Value	Qual
		Date																
MW-BW-102-A^	102	12/19/2023	<0.25	U	<0.25	U	0.39	J	0.17	J	<2	U	<0.25	U	<0.25	U	0.12	
MW-BW-102-A^	107	12/19/2023	<0.25	U	<0.25	U	0.27	J	0.17	J	<2	U	<0.25	U	<0.25	U	0.097	J
MW-BW-103-A	87	12/19/2023	<0.25	U	<0.25	U	<0.25	U	<0.25	U	<2	U	<0.25	U	<0.25	U	<0.10	U
MW-BW-103-A^	92	12/19/2023	<0.25	U	<0.25	U	<0.25	U	<0.25	U	<2	U	<0.25	U	<0.25	U	<0.10	U
MW-BW-103-A^*	92	12/19/2023	<0.25	U	<0.25	U	<0.25	U	<0.25	U	<2	U	<0.25	U	<0.25	U	<0.10	U
MW-BW-103-A^	97	12/19/2023	<0.25	U	<0.25	U	<0.25	U	0.14	J	<2	U	<0.25	U	<0.25	U	<0.10	U
MW-BW-103-A^	102	12/19/2023	<0.25	U	<0.25	U	<0.25	U	<0.25	U	<2	U	<0.25	U	<0.25	U	0.36	
Maximum Concentration (µg/L):			<0.25	U	0.25	J	2.2		1.6		<2	U	0.11	J	2.8		0.36	
Number of Sampling Locations:			42		42		42		42		42		42		42		42	
Number of Locations above ACL:			0		0		18		0		0		0		0		2	
% of Locations with Detections:			0%		10%		67%		81%		0%		2%		33%		5%	

Notes:

Results in **bold** are detected results above the Aquifer Cleanup Level (ACL) as shown in Table 1

Results in *gray* are not detected (result reported as <limit of detection [LOD])

^ Passive diffusion bag (PDB) sample collected at different depth, multiple bags not included in aquifer statistical summary

* Field Duplicate

Analyte Names:

1,1-DCE: 1,1-dichloroethene PCE: tetrachloroethene
 CT: carbon tetrachloride TCE: trichloroethene
 MC: methylene chloride Total 1,2-DCE: total 1,2-dichloroethene

Acronyms and Abbreviations:

%: percent ft btoc: feet below top of casing
 µg/L: micrograms per liter Qual: qualifier

Data Validation Qualifiers:

J: Laboratory or validation qualifier, estimated result with a possible low (J-) or high bias (J+).

U: Validation qualifier, result not detected above the Limit of Detection (LOD) (identified by <2, <0.50, <0.25, or <0.10).

UJ: Validation qualifier, the analyte was analyzed for, but was not detected. The reported quantitation limit is approximate and may be inaccurate or imprecise.

Table 7. Summary of Groundwater Monitoring Analytical Results, A-Aquifer, First Quarter 2024

Station	Depth (ft btoc)	Analyte:	1,1-DCE (µg/L)		Total 1,2-DCE (µg/L)		CT (µg/L)		Chloroform (µg/L)		MC (µg/L)		PCE (µg/L)		TCE (µg/L)		VC (µg/L)	
		Units:	Value	Qual	Value	Qual	Value	Qual	Value	Qual	Value	Qual	Value	Qual	Value	Qual	Value	Qual
		Date																
EISB-EW-01	74	2/12/2024	<0.25	U	<0.25	U	<0.25	U	0.19	J	<2	UJ	<0.25	U	<0.25	U	<0.10	U
EISB-EW-09	74	2/12/2024	<0.25	U	<0.25	U	0.83		0.22	J	<2	UJ	<0.25	U	<0.25	U	<0.10	U
EW-BW-109-A	102	2/14/2024	<0.25	U	<0.25	U	0.57		0.17	J	<0.50	U	<0.25	U	0.29	J	<0.10	U
EW-BW-124-A	104	2/14/2024	<0.25	U	<0.25	U	<0.25	U	0.19	J	<2	UJ	<0.25	U	0.77		<0.10	U
EW-BW-129-A	102	2/15/2024	<0.25	U	<0.25	U	0.77		0.42	J	<2	UJ	<0.25	U	0.86		<0.10	U
EW-BW-135-A	96	2/14/2024	<0.25	U	0.21	J	<0.25	U	<0.25	U	<2	UJ	<0.25	U	0.59		<0.10	U
EW-BW-135-A*	96	2/14/2024	<0.25	U	0.24	J	<0.25	U	<0.25	U	<2	UJ	<0.25	U	0.70		<0.10	U
EW-BW-155-A	91	2/13/2024	<0.25	U	<0.25	U	<0.25	U	<0.25	U	<0.50	U	<0.25	U	0.99		<0.10	U
EW-BW-160-A	81	2/14/2024	<0.25	U	<0.25	U	<0.25	U	0.13	J	<2	UJ	<0.25	U	<0.25	U	<0.10	U
MW-40A-02-A	81	2/15/2024	<0.25	U	<0.25	U	<0.25	U	<0.25	U	<0.50	U	<0.25	U	0.14	J	<0.10	U
MW-40A-02-A^	86	2/15/2024	<0.25	U	<0.25	U	<0.25	U	<0.25	U	<0.50	U	<0.25	U	0.20	J	<0.10	U
MW-40A-02-A^*	86	2/15/2024	<0.25	U	<0.25	U	<0.25	U	<0.25	U	<0.50	U	<0.25	U	0.19	J	<0.10	U
MW-40A-02-A^	91	2/15/2024	<0.25	U	<0.25	U	<0.25	U	<0.25	U	<0.50	U	<0.25	U	0.15	J	<0.10	U
MW-B-12-A	66	2/12/2024	<0.25	U	<0.25	U	<0.25	U	<0.25	U	<2	UJ	<0.25	U	<0.25	U	<0.10	U
MW-B-14-A	94	2/13/2024	<0.25	U	<0.25	U	0.17	J	<0.25	U	<0.50	U	<0.25	U	<0.25	U	<0.10	U
MW-BW-17-A	96	2/14/2024	<0.25	U	<0.25	U	<0.25	U	<0.25	U	<2	UJ	<0.25	U	0.60		<0.10	U
MW-BW-26-A	120	2/14/2024	<0.25	U	<0.25	U	1.2		0.48	J	<0.50	U	<0.25	U	0.54		<0.10	U
MW-BW-27-A	110	2/15/2024	<0.25	U	<0.25	U	<0.25	U	<0.25	U	<2	UJ	<0.25	U	<0.25	U	<0.10	U
MW-BW-27-A*	110	2/15/2024	<0.25	U	<0.25	U	<0.25	U	<0.25	U	<2	UJ	<0.25	U	<0.25	U	<0.10	U
MW-BW-31-A	94	2/12/2024	<0.25	U	<0.25	U	<0.25	U	0.43	J	<2	UJ	<0.25	U	0.19	J	<0.10	U
MW-BW-32-A	77	2/12/2024	<0.25	U	<0.25	U	0.50		0.14	J	<2	UJ	<0.25	U	<0.25	U	<0.10	U
MW-BW-35-A	82	2/12/2024	<0.25	U	<0.25	U	<0.25	U	0.47	J	<2	UJ	<0.25	U	<0.25	U	<0.10	U
MW-BW-36-A	83	2/12/2024	<0.25	U	<0.25	U	0.84		1.2		<2	UJ	<0.25	U	0.11	J	<0.10	U
MW-BW-48-A	53	2/15/2024	<0.25	U	<0.25	U	0.13	J	<0.25	U	<2	UJ	<0.25	U	<0.25	U	<0.10	U
MW-BW-49-A	39	2/15/2024	<0.25	U	<0.25	U	0.34	J	0.14	J	<2	UJ	<0.25	U	<0.25	U	<0.10	U
MW-BW-49-A^	54	2/15/2024	<0.25	U	<0.25	U	0.66		0.18	J	<0.50	U	<0.25	U	<0.25	U	<0.10	U

Table 7. Summary of Groundwater Monitoring Analytical Results, A-Aquifer, First Quarter 2024

Station	Depth (ft btoc)	Analyte:	1,1-DCE (µg/L)		Total 1,2-DCE (µg/L)		CT (µg/L)		Chloroform (µg/L)		MC (µg/L)		PCE (µg/L)		TCE (µg/L)		VC (µg/L)	
		Units:	Value	Qual	Value	Qual	Value	Qual	Value	Qual	Value	Qual	Value	Qual	Value	Qual	Value	Qual
		Date																
MW-BW-58-A	86	2/13/2024	<0.25	U	<0.25	U	0.40	J	<0.25	U	<0.50	U	<0.25	U	<0.25	U	<0.10	U
MW-BW-65-A	44	2/15/2024	<0.25	U	<0.25	U	0.19	J	0.12	J	<2	UJ	<0.25	U	<0.25	U	<0.10	U
MW-BW-65-A^	64	2/15/2024	<0.25	U	<0.25	U	0.35	J	0.36	J	<2	UJ	<0.25	U	<0.25	U	<0.10	U
MW-BW-66-A	65	2/12/2024	<0.25	U	<0.25	U	<0.25	U	0.62		<2	UJ	<0.25	U	<0.25	U	<0.10	U
MW-BW-74-A	36	2/15/2024	<0.25	U	<0.25	U	0.62		<0.25	U	<2	UJ	<0.25	U	<0.25	U	<0.10	U
MW-BW-74-A^	51	2/15/2024	<0.25	U	<0.25	U	0.59		<0.25	U	<2	UJ	<0.25	U	<0.25	U	<0.10	U
MW-BW-75-A	30	2/15/2024	<0.25	U	<0.25	U	0.13	J	<0.25	U	<2	UJ	<0.25	U	<0.25	U	<0.10	U
MW-BW-75-A^	45	2/15/2024	<0.25	U	<0.25	U	1.4		0.19	J	<2	UJ	<0.25	U	<0.25	U	<0.10	U
MW-BW-79-A	60	2/15/2024	<0.25	U	<0.25	U	<0.25	U	<0.25	U	<0.50	U	<0.25	U	<0.25	U	<0.10	U
MW-BW-79-A^	80	2/15/2024	<0.25	U	<0.25	U	0.72		0.20	J	<2	UJ	<0.25	U	<0.25	U	<0.10	U
MW-BW-80-A	44	2/15/2024	<0.25	U	<0.25	U	0.74		<0.25	U	<0.50	U	<0.25	U	<0.25	U	<0.10	U
MW-BW-80-A^	49	2/15/2024	<0.25	U	<0.25	U	2.5		0.28	J	<2	UJ	<0.25	U	<0.25	U	<0.10	U
MW-BW-81-A	63	2/15/2024	<0.25	U	<0.25	U	<0.25	U	0.10	J	<2	UJ	<0.25	U	<0.25	U	<0.10	U
MW-BW-82-A	32	2/15/2024	<0.25	U	<0.25	U	0.15	J	<0.25	U	<2	UJ	<0.25	U	<0.25	U	<0.10	U
MW-BW-82-A^	52	2/15/2024	<0.25	U	<0.25	U	0.26	J	<0.25	U	<2	UJ	<0.25	U	<0.25	U	<0.10	U
MW-BW-85-A	83	2/14/2024	<0.25	U	<0.25	U	0.55		0.14	J	<0.50	U	<0.25	U	<0.25	U	<0.10	U
MW-BW-87-A	92	2/13/2024	<0.25	U	<0.25	U	1.5		0.35	J	<0.50	U	<0.25	U	<0.25	U	<0.10	U
MW-BW-88-A	100	2/13/2024	<0.25	U	<0.25	U	0.75		0.36	J	<0.50	U	<0.25	U	<0.25	U	<0.10	U
MW-BW-89-A	97	2/13/2024	<0.25	U	<0.25	U	0.69		0.23	J	<0.50	U	<0.25	U	<0.25	U	<0.10	U
MW-BW-90-A	73	2/13/2024	<0.25	U	<0.25	U	0.62		0.13	J	<0.50	U	<0.25	U	<0.25	U	<0.10	U
MW-BW-90-A*	73	2/13/2024	<0.25	U	<0.25	U	0.64		0.12	J	<0.50	U	<0.25	U	<0.25	U	<0.10	U
MW-BW-91-A	85	2/14/2024	<0.25	U	<0.25	U	0.27	J	0.59		<0.50	U	<0.25	U	<0.25	U	<0.10	U
MW-BW-92-A	78	2/12/2024	<0.25	U	<0.25	U	0.87		0.16	J	<2	UJ	<0.25	U	<0.25	U	<0.10	U
MW-BW-93-A	96	2/13/2024	<0.25	U	<0.25	U	0.30	J	0.55		<0.50	U	<0.25	U	<0.25	U	<0.10	U
MW-BW-94-AR	88	2/13/2024	<0.25	U	<0.25	U	0.19	J	<0.25	U	<0.50	U	<0.25	U	<0.25	U	<0.10	U
MW-BW-95-A	117	2/13/2024	<0.25	U	<0.25	U	0.72		<0.25	U	<0.50	U	<0.25	U	0.20	J	<0.10	U
MW-BW-96-A	103	2/12/2024	<0.25	U	<0.25	U	<0.25	U	0.15	J	<2	UJ	<0.25	U	1.9		<0.10	U

Table 7. Summary of Groundwater Monitoring Analytical Results, A-Aquifer, First Quarter 2024

Station	Depth (ft btoc)	Analyte:	1,1-DCE (µg/L)		Total 1,2-DCE (µg/L)		CT (µg/L)		Chloroform (µg/L)		MC (µg/L)		PCE (µg/L)		TCE (µg/L)		VC (µg/L)	
		Units:	Value	Qual	Value	Qual	Value	Qual	Value	Qual	Value	Qual	Value	Qual	Value	Qual	Value	Qual
MW-BW-97-A	94	2/12/2024	<0.25	U	<0.25	U	<0.25	U	<0.25	U	<2	UJ	<0.25	U	0.32	J	<0.10	U
MW-BW-101-A	101.4	2/15/2024	<0.25	U	<0.25	U	0.96		0.12	J	<0.50	U	<0.25	U	<0.25	U	<0.10	U
MW-BW-101-A*	101.4	2/15/2024	<0.25	U	<0.25	U	0.98		0.12	J	<0.50	U	<0.25	U	<0.25	U	<0.10	U
MW-BW-102-A	92.05	2/15/2024	<0.25	U	<0.25	U	0.94		0.21	J	<0.50	U	<0.25	U	<0.25	U	<0.10	U
MW-BW-103-A	102.4	2/15/2024	<0.25	U	<0.25	U	<0.25	U	<0.25	U	<0.50	U	<0.25	U	<0.25	U	<0.10	U
Maximum Concentration (µg/L):			<0.25	U	0.24	J	2.5		1.2		<2	UJ	<0.25	U	1.9		<0.10	U
Number of Sampling Locations:			44		44		44		44		44		44		44		44	
Number of Locations above ACL:			0		0		19		0		0		0		0		0	
% of Locations with Detections:			0%		2%		64%		66%		0%		0%		32%		0%	

Notes:

Data qualifiers defined in Section 2.4.5 Data Validation and Quality Control Assessment.

Results in **bold** are detected results above the Aquifer Cleanup Level (ACL) as shown in Table 1

Results in *gray* are not detected (result reported as <limit of detection [LOD])

^ Passive diffusion bag (PDB) sample collected at different depth, multiple bags not included in aquifer statistical summary

* Field Duplicate

Analyte Names:

1,1-DCE: 1,1-dichloroethene PCE: tetrachloroethene

CT: carbon tetrachloride TCE: trichloroethene

MC: methylene chloride Total 1,2-DCE: total 1,2-dichloroethene

Acronyms and Abbreviations:

%: percent ft btoc: feet below top of casing

µg/L: micrograms per liter Qual: qualifier

Data Validation Qualifiers:

J: Laboratory or validation qualifier, estimated result with a possible low (J-) or high bias (J+).

U: Validation qualifier, result not detected above the Limit of Detection (LOD) (identified by <2, <0.50, <0.25, or <0.10).

UJ: Validation qualifier, the analyte was analyzed for, but was not detected. The reported quantitation limit is approximate and may be inaccurate or imprecise.

Table 8. Summary of Groundwater Monitoring Analytical Results, A-Aquifer, Second Quarter 2024

Station	Depth (ft btoc)	Analyte: Units:	1,1-DCE (µg/L)		Total 1,2-DCE (µg/L)		CT (µg/L)		Chloroform (µg/L)		MC (µg/L)		PCE (µg/L)		TCE (µg/L)		Vinyl Chloride	
		Date	Value	Qual	Value	Qual	Value	Qual	Value	Qual	Value	Qual	Value	Qual	Value	Qual	Value	Qual
EISB-EW-01	80	05/13/24	< 0.25	U	< 0.25	U	< 0.25	U	< 0.25	U	< 0.50	U	< 0.25	U	< 0.25	U	< 0.10	U
EISB-EW-01 *	80	05/13/24	< 0.25	U	< 0.25	U	< 0.25	U	< 0.25	U	< 0.50	U	< 0.25	U	< 0.25	U	< 0.10	U
EISB-EW-09	74	05/13/24	< 0.25	U	< 0.25	U	0.64		< 0.25	U	< 0.50	U	< 0.25	U	< 0.25	U	< 0.10	U
EW-BW-109-A	107	05/15/24	< 0.25	U	< 0.25	U	0.68		< 0.50	U	< 2	UJ	< 0.25	U	0.42	J	< 0.10	U
EW-BW-124-A	99	05/15/24	< 0.25	U	< 0.25	U	0.28	J	< 0.50	U	< 2	UJ	0.12	J	0.76		< 0.10	U
EW-BW-129-A	102	05/15/24	< 0.25	U	< 0.25	U	1.2		< 0.54	U	< 2	UJ	0.14	J	0.94		< 0.10	U
EW-BW-135-A	96	05/15/24	< 0.25	U	0.30	J	< 0.25	U	< 0.25	U	< 2	UJ	< 0.25	U	0.87		< 0.10	U
EW-BW-155-A	91	05/14/24	< 0.25	U	< 0.25	U	0.11	J	< 0.25	U	< 0.50	U	< 0.25	U	0.89		< 0.10	U
EW-BW-155-A *	91	05/14/24	< 0.25	U	< 0.25	U	0.11	J	< 0.25	U	< 0.50	U	< 0.25	U	0.81		< 0.10	U
EW-BW-160-A	81	05/15/24	< 0.25	U	< 0.25	U	0.24	J	< 0.25	U	< 2	UJ	< 0.25	U	< 0.25	U	< 0.10	U
MW-B-12-A	66	05/13/24	< 0.25	U	< 0.25	U	0.31	J	< 0.50	U	< 0.50	U	< 0.25	U	< 0.25	U	< 0.10	U
MW-B-14-A	89	05/14/24	< 0.25	U	< 0.25	U	0.19	J	< 0.25	U	< 0.50	U	< 0.25	U	< 0.25	U	< 0.10	U
MW-BW-17-A	96	05/15/24	< 0.25	U	< 0.25	U	< 0.25	U	< 0.25	U	< 2	UJ	0.12	J	0.89		< 0.10	U
MW-BW-26-A	115	05/15/24	< 0.25	U	< 0.25	U	1.4		< 0.62	U	< 2	UJ	0.12	J	0.62		< 0.10	U
MW-BW-27-A	110	05/14/24	< 0.25	U	0.24	J	< 0.25	U	< 0.25	U	< 0.50	U	< 0.25	U	0.50		< 0.10	U
MW-BW-31-A	94	05/13/24	< 0.25	U	< 0.25	U	< 0.25	U	< 0.50	U	< 0.50	U	< 0.25	U	0.30	J	< 0.10	U
MW-BW-32-A	77	05/13/24	< 0.25	U	< 0.25	U	0.70		< 0.25	U	< 0.50	U	< 0.25	U	< 0.25	U	< 0.10	U
MW-BW-35-A	82	05/13/24	< 0.25	U	< 0.25	U	< 0.25	U	1.0		< 0.50	U	< 0.25	U	< 0.25	U	< 0.10	U
MW-BW-36-A	83	05/13/24	< 0.25	U	< 0.25	U	1.3		1.4		< 0.50	U	< 0.25	U	0.15	J	< 0.10	U
MW-BW-48-A	48	05/16/24	< 0.25	U	< 0.25	U	0.18	J	< 0.25	U	< 0.50	U	< 0.25	U	< 0.25	U	< 0.10	U
MW-BW-49-A	39	05/16/24	< 0.25	U	< 0.25	U	0.58		< 0.25	U	< 0.50	U	< 0.25	U	< 0.25	U	< 0.10	U
MW-BW-49-A^	59	05/16/24	< 0.25	U	< 0.25	U	0.60		< 0.25	U	< 0.50	U	< 0.25	U	< 0.25	U	< 0.10	U
MW-BW-58-A	86	05/14/24	< 0.25	U	< 0.25	U	0.55		< 0.25	U	< 2	UJ	< 0.25	U	< 0.25	U	< 0.10	U
MW-BW-65-A	44	05/16/24	< 0.25	U	< 0.25	U	< 0.25	U	< 0.25	U	< 0.50	U	< 0.25	U	< 0.25	U	< 0.10	U
MW-BW-65-A^	69	05/16/24	< 0.25	U	< 0.25	U	0.48	J	< 0.25	U	< 0.50	U	< 0.25	U	< 0.25	U	< 0.10	U
MW-BW-66-A	65	05/13/24	< 0.25	U	< 0.25	U	< 0.25	U	< 0.58	U	< 0.50	U	< 0.25	U	< 0.25	U	< 0.10	U
MW-BW-74-A	36	05/16/24	< 0.25	U	< 0.25	U	0.19	J	< 0.25	U	< 0.50	U	< 0.25	U	< 0.25	U	< 0.10	U
MW-BW-74-A^	56	05/16/24	< 0.25	U	< 0.25	U	1.1		< 0.25	U	< 0.50	U	< 0.25	U	< 0.25	U	< 0.10	U

Table 8. Summary of Groundwater Monitoring Analytical Results, A-Aquifer, Second Quarter 2024

Station	Depth (ft btoc)	Analyte: Units:	1,1-DCE (µg/L)		Total 1,2-DCE (µg/L)		CT (µg/L)		Chloroform (µg/L)		MC (µg/L)		PCE (µg/L)		TCE (µg/L)		Vinyl Chloride	
		Date	Value	Qual	Value	Qual	Value	Qual	Value	Qual	Value	Qual	Value	Qual	Value	Qual	Value	Qual
MW-BW-75-A	30	05/16/24	< 0.25	U	< 0.25	U	< 0.25	U	< 0.25	U	< 0.50	U	< 0.25	U	< 0.25	U	< 0.10	U
MW-BW-75-A *	30	05/16/24	< 0.25	U	< 0.25	U	< 0.25	U	< 0.25	U	< 0.50	U	< 0.25	U	< 0.25	U	< 0.10	U
MW-BW-75-A^	50	05/16/24	< 0.25	U	< 0.25	U	1.6		< 0.25	U	< 0.50	U	< 0.25	U	< 0.25	U	< 0.10	U
MW-BW-77-A	77	05/16/24	< 0.25	U	< 0.25	U	0.25	J	< 0.25	U	< 0.50	U	< 0.25	U	< 0.25	U	< 0.10	U
MW-BW-77-A^	82	05/16/24	< 0.25	U	< 0.25	U	0.22	J	< 0.25	U	< 0.50	U	< 0.25	U	< 0.25	U	< 0.10	U
MW-BW-78-A	59	05/16/24	< 0.25	U	< 0.25	U	< 0.25	U	< 0.25	U	< 0.50	U	< 0.25	U	< 0.25	U	< 0.10	U
MW-BW-78-A^	79	05/16/24	< 0.25	U	< 0.25	U	< 0.25	U	< 0.25	U	< 0.50	U	< 0.25	U	< 0.25	U	< 0.10	U
MW-BW-79-A	60	05/16/24	< 0.25	U	< 0.25	U	< 0.25	U	< 0.25	U	< 0.50	U	< 0.25	U	< 0.25	U	< 0.10	U
MW-BW-79-A^	75	05/16/24	< 0.25	U	< 0.25	U	< 0.25	U	< 0.25	U	< 0.50	U	< 0.25	U	< 0.25	U	< 0.10	U
MW-BW-80-A	44	05/16/24	< 0.25	U	< 0.25	U	0.38	J	< 0.25	U	< 0.50	U	< 0.25	U	< 0.25	U	< 0.10	U
MW-BW-80-A^	49	05/16/24	< 0.25	U	< 0.25	U	4.2		< 0.50	U	< 0.50	U	< 0.25	U	< 0.25	U	< 0.10	U
MW-BW-81-A	63	05/16/24	< 0.25	U	< 0.25	U	< 0.25	U	< 0.25	U	< 0.50	U	< 0.25	U	< 0.25	U	< 0.10	U
MW-BW-82-A	32	05/16/24	< 0.25	U	< 0.25	U	< 0.25	U	< 0.25	U	< 0.50	U	< 0.25	U	< 0.25	U	< 0.10	U
MW-BW-82-A^	47	05/16/24	< 0.25	U	< 0.25	U	0.35	J	< 0.25	U	< 0.50	U	< 0.25	U	< 0.25	U	< 0.10	U
MW-BW-83-A	25	05/16/24	< 0.25	U	< 0.25	U	< 0.25	U	< 0.25	U	< 0.50	U	< 0.25	U	< 0.25	U	< 0.10	U
MW-BW-83-A^	40	05/16/24	< 0.25	U	< 0.25	U	< 0.25	U	< 0.25	U	< 0.50	U	< 0.25	U	< 0.25	U	< 0.10	U
MW-BW-85-A	88	05/14/24	< 0.25	U	< 0.25	U	0.28	J	< 0.25	U	< 2	UJ	< 0.25	U	< 0.25	U	< 0.10	U
MW-BW-87-A	92	05/14/24	< 0.25	U	< 0.25	U	1.5		< 0.50	U	< 2	UJ	< 0.25	U	< 0.25	U	< 0.10	U
MW-BW-88-A	100	05/14/24	< 0.25	U	< 0.25	U	0.71		< 0.53	U	< 2	UJ	< 0.25	U	< 0.25	U	< 0.10	U
MW-BW-89-A	97	05/14/24	< 0.25	U	< 0.25	U	0.93		< 0.50	U	< 2	UJ	< 0.25	U	< 0.25	U	< 0.10	U
MW-BW-89-A *	97	05/14/24	< 0.25	U	< 0.25	U	0.92		< 0.50	U	< 2	UJ	< 0.25	U	< 0.25	U	< 0.10	U
MW-BW-90-A	73	05/14/24	< 0.25	U	< 0.25	U	0.70		< 0.25	U	< 2	UJ	< 0.25	U	< 0.25	U	< 0.10	U
MW-BW-91-A	85	05/15/24	< 0.25	U	< 0.25	U	0.22	J	0.70		< 2	UJ	< 0.25	U	< 0.25	U	< 0.10	U
MW-BW-92-A	88	05/13/24	< 0.25	U	< 0.25	U	0.84		< 0.25	U	< 0.50	U	< 0.25	U	< 0.25	U	< 0.10	U
MW-BW-93-A	96	05/14/24	< 0.25	U	< 0.25	U	0.36	J	0.72		< 2	UJ	< 0.25	U	< 0.25	U	< 0.10	U
MW-BW-94-AR	83	05/14/24	< 0.25	U	< 0.25	U	0.23	J	< 0.25	U	< 2	UJ	< 0.25	U	< 0.25	U	< 0.10	U
MW-BW-95-A	117	05/14/24	< 0.25	U	< 0.25	U	0.90		< 0.25	U	< 2	UJ	< 0.25	U	0.20	J	< 0.10	U
MW-BW-96-A	103	05/13/24	< 0.25	U	< 0.25	U	< 0.25	U	< 0.25	U	< 0.50	U	< 0.25	U	2.5		< 0.10	U
MW-BW-97-A	94	05/13/24	< 0.25	U	< 0.25	U	< 0.25	U	< 0.25	U	< 0.50	U	< 0.25	U	0.36	J	< 0.10	U

Table 8. Summary of Groundwater Monitoring Analytical Results, A-Aquifer, Second Quarter 2024

Station	Depth (ft btoc)	Analyte:	1,1-DCE (µg/L)		Total 1,2-DCE (µg/L)		CT (µg/L)		Chloroform (µg/L)		MC (µg/L)		PCE (µg/L)		TCE (µg/L)		Vinyl Chloride	
		Units:	Value	Qual	Value	Qual	Value	Qual	Value	Qual	Value	Qual	Value	Qual	Value	Qual	Value	Qual
MW-BW-101-A	101.4	05/14/24	< 0.25	U	< 0.25	U	0.79		< 0.25	U	< 0.50	U	< 0.25	U	< 0.25	U	< 0.10	U
MW-BW-102-A	92.05	05/14/24	< 0.25	U	< 0.25	U	0.60		< 0.25	U	< 2	UJ	< 0.25	U	< 0.25	U	< 0.10	U
MW-BW-102-A *	92.05	05/14/24	< 0.25	U	< 0.25	U	0.96		< 0.26	U	< 0.50	U	< 0.25	U	< 0.25	U	< 0.10	U
MW-BW-103-A	102.4	05/14/24	< 0.25	U	< 0.25	U	< 0.25	U	< 0.25	U	< 2	UJ	< 0.25	U	< 0.25	U	0.79	
Maximum Concentration (µg/L):			<0.25	U	0.30	J	4.2		1.4		<2	UJ	0.14	J	2.5		0.79	
Number of Sampling Locations:			46		46		46		46		46		46		46		46	
Number of Locations above ACL:			0		0		19		0		0		0		0		1	
% of Locations with Detections:			0%		4%		70%		9%		0%		9%		28%		2%	

Notes:

Data qualifiers defined in Section 2.4.5 Data Validation and Quality Control Assessment.

Results in **bold** are detected results above the Aquifer Cleanup Level (ACL) as shown in Table 1

Results in *gray* are not detected (result reported as <limit of detection [LOD])

^ Passive diffusion bag (PDB) sample collected at different depth, multiple bags not included in aquifer statistical summary

* Field Duplicate

Analyte Names:

1,1-DCE: 1,1-dichloroethene PCE: tetrachloroethene
 CT: carbon tetrachloride TCE: trichloroethene
 MC: methylene chloride Total 1,2-DCE: total 1,2-dichloroethene

Acronyms and Abbreviations:

%: percent ft btoc: feet below top of casing
 µg/L: micrograms per liter Qual: qualifier

Data Validation Qualifiers:

J: Laboratory or validation qualifier, estimated result with a possible low (J-) or high bias (J+).

U: Validation qualifier, result not detected above the Limit of Detection (LOD) (identified by <2, <0.50, <0.25, or <0.10).

UJ: Validation qualifier, the analyte was analyzed for, but was not detected. The reported quantitation limit is approximate and may be inaccurate or imprecise.

Table 9. Summary of Groundwater Monitoring Analytical Results, A-Aquifer, Third Quarter 2024

Station	Depth (ft btoc)	Analyte: Units:	1,1-DCE (µg/L)		Total 1,2-DCE (µg/L)		CT (µg/L)		Chloroform (µg/L)		MC (µg/L)		PCE (µg/L)		TCE (µg/L)		VC (µg/L)	
		Date	Value	Qual	Value	Qual	Value	Qual	Value	Qual	Value	Qual	Value	Qual	Value	Qual	Value	Qual
EISB-EW-01	74	8/23/2024	< 0.25	U	< 0.25	U	< 0.25	U	< 0.25	U	< 2	UJ	< 0.25	U	< 0.25	U	< 0.10	U
EISB-EW-09	74	8/23/2024	< 0.25	U	< 0.25	U	0.42	J	< 0.25	U	< 2	UJ	< 0.25	U	< 0.25	U	< 0.10	U
EW-BW-109-A	102	8/22/2024	< 0.25	U	< 0.25	U	0.33	J	< 0.25	U	< 0.50	U	< 0.25	U	0.22	J	< 0.10	U
EW-BW-124-A	99	8/23/2024	< 0.25	U	< 0.25	U	0.49	J	< 0.50	U	< 2	UJ	< 0.25	U	0.85		< 0.10	U
EW-BW-129-A	102	8/22/2024	< 0.25	U	< 0.25	U	0.59		< 0.50	U	< 0.50	U	< 0.25	U	0.71		< 0.10	U
EW-BW-129-A *	102	8/22/2024	< 0.25	U	< 0.25	U	0.59		< 0.50	U	< 0.50	U	< 0.25	U	0.69		< 0.10	U
EW-BW-135-A	96	8/23/2024	< 0.25	U	0.30	J	< 0.25	U	< 0.25	U	< 2	UJ	< 0.25	U	0.86		< 0.10	U
EW-BW-140-A	111	8/22/2024	< 0.25	U	< 0.25	U	0.10	J	< 0.25	U	< 0.50	U	< 0.25	U	< 0.25	U	< 0.10	U
EW-BW-144-A	121	8/23/2024	< 0.25	U	< 0.25	U	< 0.25	U	< 0.25	U	< 2	UJ	< 0.25	U	< 0.25	U	< 0.10	U
EW-BW-149-A	107	8/22/2024	< 0.25	U	< 0.25	U	< 0.25	U	< 0.25	U	< 0.50	U	< 0.25	U	0.21	J	< 0.10	U
EW-BW-155-A	91	8/23/2024	< 0.25	U	0.10	J	0.11	J	< 0.25	U	< 2	UJ	< 0.25	U	0.98		< 0.10	U
EW-BW-160-A	81	8/21/2024	< 0.25	U	< 0.25	U	0.70		0.19	J	< 2	UJ	< 0.25	U	< 0.25	U	< 0.10	U
EW-BW-165-A	72	8/21/2024	< 0.25	U	< 0.25	U	< 0.25	U	< 0.25	U	< 2	UJ	< 0.25	U	< 0.25	U	< 0.10	U
EW-BW-169-A	82	8/22/2024	< 0.25	U	< 0.25	U	< 0.25	U	< 0.25	U	< 0.50	U	< 0.25	U	< 0.25	U	< 0.10	U
MW-40-01-A	88	8/19/2024	< 0.25	U	< 0.25	U	< 0.25	U	< 0.25	U	< 0.50	U	< 0.25	U	< 0.25	U	< 0.10	U
MW-B-12-A	66	8/22/2024	< 0.25	U	< 0.25	U	0.39	J	< 0.54	U	< 0.50	U	< 0.25	U	< 0.25	U	< 0.10	U
MW-B-12-A *	66	8/22/2024	< 0.25	U	< 0.25	U	0.38	J	0.57		< 0.50	U	< 0.25	U	< 0.25	U	< 0.10	U
MW-B-14-A	89	8/22/2024	< 0.25	U	< 0.25	U	0.16	J	< 0.25	U	< 0.50	U	< 0.25	U	< 0.25	U	< 0.10	U
MW-BW-15-A	102	8/22/2024	< 0.25	U	< 0.25	U	< 0.25	U	< 0.25	U	< 0.50	U	< 0.25	U	0.11	J	< 0.10	U
MW-BW-17-A	96	8/23/2024	< 0.25	U	< 0.25	U	< 0.25	U	< 0.25	U	< 0.50	U	< 0.25	U	0.70		< 0.10	U
MW-BW-26-A	130	8/22/2024	< 0.25	U	< 0.25	U	0.77		< 0.50	U	< 0.50	U	< 0.25	U	0.46	J	< 0.10	U
MW-BW-26-A *	130	8/22/2024	< 0.25	U	< 0.25	U	0.75		< 0.50	U	< 0.50	U	< 0.25	U	0.45	J	< 0.10	U
MW-BW-27-A	110	8/20/2024	< 0.25	U	0.16	J	< 0.25	U	< 0.25	U	< 0.50	U	< 0.25	U	0.67		< 0.10	U
MW-BW-28-A	102	8/22/2024	< 0.25	U	< 0.25	U	0.13	J	< 0.25	U	< 0.50	U	< 0.25	U	< 0.25	U	< 0.10	U
MW-BW-30-A	104	8/20/2024	< 0.25	U	< 0.25	U	< 0.25	U	0.35	J	< 0.50	U	< 0.25	U	< 0.25	U	< 0.10	U
MW-BW-31-A	94	8/22/2024	< 0.25	U	< 0.25	U	< 0.25	U	< 0.50	U	< 0.50	U	< 0.25	U	0.29	J	< 0.10	U
MW-BW-32-A	77	8/22/2024	< 0.25	U	< 0.25	U	0.42	J	< 0.25	U	< 0.50	U	< 0.25	U	< 0.25	U	< 0.10	U
MW-BW-35-A	82	8/22/2024	< 0.25	U	< 0.25	U	< 0.25	U	1.9		< 0.50	U	< 0.25	U	< 0.25	U	< 0.10	U

Table 9. Summary of Groundwater Monitoring Analytical Results, A-Aquifer, Third Quarter 2024

Station	Depth (ft btoc)	Analyte: Units:	1,1-DCE (µg/L)		Total 1,2-DCE (µg/L)		CT (µg/L)		Chloroform (µg/L)		MC (µg/L)		PCE (µg/L)		TCE (µg/L)		VC (µg/L)	
		Date	Value	Qual	Value	Qual	Value	Qual	Value	Qual	Value	Qual	Value	Qual	Value	Qual	Value	Qual
MW-BW-36-A	83	8/22/2024	< 0.25	U	< 0.25	U	0.38	J	1.1		< 0.50	U	< 0.25	U	< 0.25	U	< 0.10	U
MW-BW-44-A	78	8/22/2024	< 0.25	U	< 0.25	U	< 0.25	U	< 0.25	U	< 2	UJ	< 0.25	U	< 0.25	U	< 0.10	U
MW-BW-48-A	43	8/19/2024	< 0.25	U	< 0.25	U	0.44	J	< 0.25	U	< 2	U	< 0.25	U	< 0.25	U	< 0.10	U
MW-BW-49-A	39	8/19/2024	< 0.25	U	< 0.25	U	0.50		< 0.25	U	< 0.50	U	< 0.25	U	< 0.25	U	< 0.10	U
MW-BW-49-A^	54	8/19/2024	< 0.25	U	< 0.25	U	0.51		< 0.25	U	< 0.50	U	< 0.25	U	< 0.25	U	< 0.10	U
MW-BW-56-A	92	8/20/2024	< 0.25	U	< 0.25	U	< 0.25	U	0.12	J	< 0.50	U	< 0.25	U	< 0.25	U	< 0.10	U
MW-BW-58-A	86	8/21/2024	< 0.25	U	< 0.25	U	0.52		0.15	J	< 2	UJ	< 0.25	U	< 0.25	U	< 0.10	U
MW-BW-65-A	44	8/19/2024	< 0.25	U	< 0.25	U	< 0.25	U	< 0.25	U	< 0.50	U	< 0.25	U	< 0.25	U	< 0.10	U
MW-BW-65-A^	59	8/19/2024	< 0.25	U	< 0.25	U	0.67		< 0.50	U	< 0.50	U	< 0.25	U	< 0.25	U	< 0.10	U
MW-BW-66-A	65	8/22/2024	< 0.25	U	< 0.25	U	0.10	J	< 0.50	U	< 2	UJ	< 0.25	U	< 0.25	U	< 0.10	U
MW-BW-74-A	36	8/23/2024	< 0.25	U	< 0.25	U	< 0.25	U	< 0.25	U	< 0.50	U	< 0.25	U	< 0.25	U	< 0.10	U
MW-BW-74-A^	51	8/23/2024	< 0.25	U	< 0.25	U	1.1		< 0.25	U	< 0.50	U	< 0.25	U	< 0.25	U	< 0.10	U
MW-BW-75-A	30	8/23/2024	< 0.25	U	< 0.25	U	0.13	J	< 0.25	U	< 2	UJ	< 0.25	U	< 0.25	U	< 0.10	U
MW-BW-75-A^	45	8/23/2024	< 0.25	U	< 0.25	U	1.3		< 0.25	U	< 2	UJ	< 0.25	U	< 0.25	U	< 0.10	U
MW-BW-75-A^*	45	8/23/2024	< 0.25	U	< 0.25	U	1.3		< 0.25	U	< 2	UJ	< 0.25	U	< 0.25	U	< 0.10	U
MW-BW-77-A	77	8/19/2024	< 0.25	U	< 0.25	U	0.23	J	< 0.25	U	< 2	U	< 0.25	U	< 0.25	U	< 0.10	U
MW-BW-77-A^	87	8/19/2024	< 0.25	U	< 0.25	U	0.23	J	< 0.25	U	< 2	U	< 0.25	U	< 0.25	U	< 0.10	U
MW-BW-78-A	59	8/19/2024	< 0.25	U	< 0.25	U	< 0.25	U	< 0.25	U	< 0.50	U	< 0.25	U	< 0.25	U	< 0.10	U
MW-BW-78-A^	79	8/19/2024	< 0.25	U	< 0.25	U	< 0.25	U	< 0.25	U	< 2	UJ	< 0.25	U	< 0.25	U	< 0.10	U
MW-BW-79-A	60	8/20/2024	< 0.25	U	< 0.25	U	< 0.25	U	< 0.25	U	< 0.50	U	< 0.25	U	< 0.25	U	< 0.10	U
MW-BW-79-A^	80	8/20/2024	< 0.25	U	< 0.25	U	< 0.25	U	< 0.25	U	< 0.50	U	< 0.25	U	< 0.25	U	< 0.10	U
MW-BW-80-A	44	8/19/2024	< 0.25	U	< 0.25	U	0.18	J	< 0.25	U	< 0.50	U	< 0.25	U	< 0.25	U	< 0.10	U
MW-BW-80-A^	49	8/19/2024	< 0.25	U	< 0.25	U	2.8		< 0.50	U	< 2	U	< 0.25	U	< 0.25	U	< 0.10	U
MW-BW-80-A^*	49	8/19/2024	< 0.25	U	< 0.25	U	2.7		< 0.50	U	< 2	U	< 0.25	U	< 0.25	U	< 0.10	U
MW-BW-81-A	63	8/19/2024	< 0.25	U	< 0.25	U	< 0.25	U	< 0.25	U	< 2	U	< 0.25	U	< 0.25	U	< 0.10	U
MW-BW-82-A	32	8/20/2024	< 0.25	U	< 0.25	U	< 0.25	U	< 0.25	U	< 2	U	< 0.25	U	< 0.25	U	< 0.10	U
MW-BW-82-A^	52	8/19/2024	< 0.25	U	< 0.25	U	0.34	J	< 0.25	U	< 2	U	< 0.25	U	< 0.25	U	< 0.10	U

Table 9. Summary of Groundwater Monitoring Analytical Results, A-Aquifer, Third Quarter 2024

Station	Depth (ft btoc)	Analyte: Units:	1,1-DCE (µg/L)		Total 1,2-DCE (µg/L)		CT (µg/L)		Chloroform (µg/L)		MC (µg/L)		PCE (µg/L)		TCE (µg/L)		VC (µg/L)	
		Date	Value	Qual	Value	Qual	Value	Qual	Value	Qual	Value	Qual	Value	Qual	Value	Qual	Value	Qual
MW-BW-83-A	25	8/19/2024	< 0.25	U	< 0.25	U	< 0.25	U	< 0.25	U	< 2	U	< 0.25	U	< 0.25	U	< 0.10	U
MW-BW-83-A^	45	8/19/2024	< 0.25	U	< 0.25	U	< 0.25	U	< 0.25	U	< 2	U	< 0.25	U	< 0.25	U	< 0.10	U
MW-BW-85-A	83	8/21/2024	< 0.25	U	< 0.25	U	0.45	J	0.18	J	< 2	UJ	< 0.25	U	< 0.25	U	< 0.10	U
MW-BW-87-A	92	8/21/2024	< 0.25	U	< 0.25	U	0.93		0.27	J	< 2	UJ	< 0.25	U	< 0.25	U	< 0.10	U
MW-BW-87-A *	92	8/21/2024	< 0.25	U	< 0.25	U	0.93		0.28	J	< 2	UJ	< 0.25	U	< 0.25	U	< 0.10	U
MW-BW-88-A	100	8/21/2024	< 0.25	U	< 0.25	U	0.68		0.35	J	< 2	UJ	< 0.25	U	< 0.25	U	< 0.10	U
MW-BW-89-A	97	8/22/2024	< 0.25	U	< 0.25	U	0.96		< 0.25	U	< 0.50	U	< 0.25	U	< 0.25	U	< 0.10	U
MW-BW-90-A	73	8/21/2024	< 0.25	U	< 0.25	U	0.41	J	0.13	J	< 2	UJ	< 0.25	U	< 0.25	U	< 0.10	U
MW-BW-91-A	85	8/21/2024	< 0.25	U	< 0.25	U	0.31	J	0.52		< 2	UJ	< 0.25	U	< 0.25	U	< 0.10	U
MW-BW-92-A	88	8/23/2024	< 0.25	U	< 0.25	U	0.60		< 0.25	U	< 0.50	U	< 0.25	U	< 0.25	U	< 0.10	U
MW-BW-93-A	96	8/22/2024	< 0.25	U	< 0.25	U	0.35	J	< 0.53	U	< 0.50	U	< 0.25	U	< 0.25	U	< 0.10	U
MW-BW-94-AR	88	8/21/2024	< 0.25	U	< 0.25	U	0.25	J	< 0.25	U	< 2	UJ	< 0.25	U	< 0.25	U	< 0.10	U
MW-BW-95-A	117	8/23/2024	< 0.25	U	< 0.25	U	0.64		< 0.25	U	< 0.50	U	< 0.25	U	0.17	J	< 0.10	U
MW-BW-96-A	103	8/23/2024	< 0.25	U	< 0.25	U	< 0.25	U	< 0.25	U	< 0.50	U	< 0.25	U	2.1		< 0.10	U
MW-BW-97-A	94	8/23/2024	< 0.25	U	< 0.25	U	< 0.25	U	< 0.25	U	< 0.50	U	< 0.25	U	0.27	J	< 0.10	U
MW-BW-101-A	101.4	8/20/2024	< 0.25	U	< 0.25	U	0.72		0.17	J	< 2	UJ	< 0.25	U	< 0.25	U	< 0.10	U
MW-BW-101-A *	101.4	8/20/2024	< 0.25	U	< 0.25	U	0.67		0.16	J	< 2	UJ	< 0.25	U	< 0.25	U	< 0.10	U
MW-BW-102-A	92.05	8/19/2024	< 0.25	U	< 0.25	U	1.1		< 0.25	U	< 0.50	U	< 0.25	U	< 0.25	U	< 0.10	U
MW-BW-103-A	102.4	8/19/2024	< 0.25	U	< 0.25	U	< 0.25	U	< 0.25	U	< 0.50	U	< 0.25	U	< 0.25	U	0.45	
Maximum Concentration (µg/L):			<0.25	U	0.30	J	2.8		1.9		< 2	U	<0.25	U	2.1		0.45	
Number of Sampling Locations:			57		57		57		57		57		57		57		57	
Number of Locations above ACL:			0		0		16		0		0		0		0		1	
Percent of Locations with Detections:			0%		5%		61%		23%		0%		0%		25%		2%	

Table 9. Summary of Groundwater Monitoring Analytical Results, A-Aquifer, Third Quarter 2024

Notes:

Results in **bold** are detected results above the Aquifer Cleanup Level (ACL) as shown in Table 1

Results in **gray** are not detected (result reported as <limit of detection [LOD])

^ Passive diffusion bag (PDB) sample collected at different depth

* Field Duplicate

Analyte Names:

1,1-DCE: 1,1-dichloroethene

1,2-DCE (total): total 1,2-dichloroethene

CT: carbon tetrachloride

MC: methylene chloride

PCE: tetrachloroethene

TCE: trichloroethene

VC: vinyl chloride

Acronyms and Abbreviations:

µg/L: micrograms per liter

ft btoc: feet below top of casing

Qual: qualifier

Data Validation Qualifiers:

J: Laboratory qualifier, estimated result between the detection limit (DL) and the limit of quantitation (LOQ) with a possible high (+) or low (-) bias.

U: Laboratory or validation qualifier, concentration not detected (reported as <LOD).

UJ: Validation qualifier, The analyte was analyzed for, but was not detected. The reported quantitation limit is approximate and may be inaccurate or imprecise.

Table 10. Summary of Groundwater Field Parameters, Fourth Quarter 2023 through Third Quarter 2024

Station	Depth (ft btoc)	Analyte:	DO	ORP	pH	Spec Cond	Temperature	Turbidity
		Date	mg/L	mV	Value	µS/cm	°C	NTU
Pilot Study Area (Treatment in 2008)								
EISB-EW-12 [†]	NR	12/26/2007	4.98	54	6.56	39.8	17.5	24.6
EISB-EW-12	75.5	11/14/2023	1.45	146	6.42	392	17.2	43.88
EISB-EW-12	75.5	2/13/2024	1.26	101.2	6.56	446	17.2	7.34
EISB-EW-12	75.5	5/13/2024	5.18	243.9	6.91	528	17.3	6.00
EISB-EW-12	75.5	8/23/2024	5.65	123.8	7.25	787	17.2	27.19
EISB-EW-15 [†]	NR	12/19/2007	6.8	57	6.9	47.3	17.5	4.9
EISB-EW-15	67.9	11/13/2023	1.25	199.4	6.75	469	17.0	3.15
EISB-EW-15	67.9	2/13/2024	1.24	-108	6.90	504	16.9	3.18
EISB-EW-15	67.9	5/13/2024	0.92	259.9	6.56	475	17.0	5.00
EISB-EW-15	67.9	8/23/2024	1.80	130	8.22	741	17.1	12.65
Deployment Area 1C (Treatment in 2010)								
EW-BW-159-A [†]	NR	8/2/2010	9.6	238	6.0	59.1	16.3	222.0
EW-BW-159-A	100.3	11/15/2023	1.22	205.9	6.87	242	16.5	0.15
EW-BW-159-A	100.3	2/14/2024	1.01	-133.4	6.66	292.2	16.6	2.00
EW-BW-159-A	100.3	5/15/2024	0.89	239.8	6.85	223	16.9	1.00
EW-BW-159-A	100.3	8/23/2024	1.00	-123.2	6.90	284.6	16.8	2.40
Deployment Area 2A (Treatment in 2011)								
EW-BW-124-A [†]	NR	1/13/2011	9.4	163	6.5	70.4	17.2	11.90
EW-BW-124-A	96.6	11/15/2023	1.07	152.2	6.66	719	16.8	0.39
EW-BW-124-A	96.6	2/14/2024	1.59	116	6.45	786	16.7	0.25
EW-BW-124-A	96.6	5/15/2024	0.66	235	6.52	753	16.9	1.00
EW-BW-124-A	96.6	8/23/2024	0.74	147.9	6.62	826	16.9	0.10
EW-BW-135-A [†]	NR	1/11/2011	9.68	193	6.3	74.8	17.3	0.0
EW-BW-135-A	89.7	11/15/2023	1.07	-48.9	6.80	706	17.0	0.29
EW-BW-135-A	89.7	2/14/2024	2.13	-136.8	6.60	765	17.0	1.00
EW-BW-135-A	89.7	5/15/2024	0.65	-5.2	6.70	763	17.1	1.00
EW-BW-135-A	89.7	8/23/2024	0.79	47	6.30	594.6	17.2	0.90

Table 10. Summary of Groundwater Field Parameters, Fourth Quarter 2023 through Third Quarter 2024

Station	Depth (ft btoc)	Analyte:	DO	ORP	pH	Spec Cond	Temperature	Turbidity
		Date	mg/L	mV	Value	µS/cm	°C	NTU
EW-BW-144-A [†]	NR	1/11/2011	9.68	193	6.3	74.8	17.3	0.0
EW-BW-144-A	125.1	11/15/2023	1.16	84.9	6.71	404	17.3	65.70
EW-BW-144-A	125.1	2/14/2024	1.50	76	6.90	417	17.5	12.00
EW-BW-144-A	125.1	5/15/2024	2.62	215.2	6.60	418	17.4	20.00
EW-BW-144-A	125.1	8/23/2024	1.60	93	6.90	424	17.3	18.00
Deployment Area 2B (Treatment in 2011-2012)								
EW-BW-149-A [†]	NR	11/9/2011	7.17	266	7.1	54	21.9	5.0
EW-BW-149-A	107.6	11/14/2023	1.21	72	6.42	551	16.7	5.04
EW-BW-149-A	107.6	2/13/2024	1.39	85.7	6.21	628	16.5	1.00
EW-BW-149-A	107.6	5/14/2024	0.87	58.1	6.29	614	16.7	2.00
EW-BW-149-A	107.6	8/22/2024	1.17	69.4	6.40	622	16.4	1.20
EW-BW-155-A [†]	NR	1/4/2012	6.1	195	5.5	49.4	16.7	0.0
EW-BW-155-A	92.6	11/14/2023	1.34	92.5	6.76	505	16.4	8.50
EW-BW-155-A	92.6	2/13/2024	1.41	95.7	9.60	560	1.7	9.60
EW-BW-155-A	92.6	5/14/2024	1.10	73.2	6.67	541	16.8	23.00
EW-BW-155-A	92.6	8/23/2024	16.40	76	6.90	552	16.6	12.30
Deployment Area 3A (Treatment in 2016-2017)								
EW-BW-160-A [†]	71	3/5/2019	6.4	146	7.6	231	16.8	-0.40
EW-BW-160-A	75.7	11/14/2023	7.09	227.8	6.52	408	17.0	2.37
EW-BW-160-A	75.7	2/14/2024	8.35	234	6.76	269.9	16.8	1.51
EW-BW-160-A	75.7	5/15/2024	7.48	246.8	6.84	249	16.9	1.00
EW-BW-160-A	75.7	8/21/2024	6.80	238	6.70	257	17.0	1.80
EW-BW-161-A [†]	69	3/5/2019	0.7	107	6.7	642	17.1	0
EW-BW-161-A	73	11/14/2023	1.10	205.3	7.04	568	17.4	0.62
EW-BW-161-A	73	2/14/2024	1.28	206.1	6.72	648	17.2	2.20
EW-BW-161-A	73	5/14/2024	0.91	172.2	6.64	609	17.4	1.00
EW-BW-161-A	73	8/21/2024	0.79	186	5.90	592	17.5	0.80

Table 10. Summary of Groundwater Field Parameters, Fourth Quarter 2023 through Third Quarter 2024

Station	Depth (ft btoc)	Analyte:	DO	ORP	pH	Spec Cond	Temperature	Turbidity
		Date	mg/L	mV	Value	µS/cm	°C	NTU
EW-BW-164-A [†]	89	3/5/2019	9.5	107	6.9	270	16.8	-0.90
EW-BW-164-A	79.1	11/14/2023	1.12	173.9	6.59	429	16.8	4.12
EW-BW-164-A	74	2/13/2024	1.23	159	6.48	477	16.8	2.00
EW-BW-164-A	79.1	5/14/2024	0.67	197.6	6.54	413	16.9	1.00
EW-BW-164-A	79.1	8/21/2024	0.70	183	6.40	456	17.2	0.90

Notes:

--: meter malfunction.

[†] : baseline data

Acronyms and Abbreviations:

µS/cm: microsiemens per centimeter

°C: degrees celsius

DO: dissolved oxygen

mg/L: milligrams per liter

mV: millivolts

NM: not measured

NR: not recorded

NTU: nephelometric turbidity units

ORP: oxidation/reduction potential

Spec Cond: specific conductivity

ft btoc: feet below top of casing

**Table 11. Summary of Groundwater Monitoring Analytical Results,
Upper 180-Foot Aquifer, Fourth Quarter 2023 through Third Quarter 2024**

Station	Depth (ft btoc)	Analyte:	CT (µg/L)	
		Units:	Value	Qual
		Date		
EW-OU2-09-180	--	11/15/2023	NS	
EW-OU2-09-180	--	2/13/2024	NS	
EW-OU2-09-180	--	5/16/2024	NS	
EW-OU2-09-180	175	8/13/2024	< 0.25	U
EW-OU2-09-180^	180	8/13/2024	< 0.25	U
EW-OU2-09-180^	185	8/13/2024	< 0.25	U
EW-OU2-09-180^	190	8/13/2024	< 0.25	U
EW-OU2-09-180^*	190	8/13/2024	< 0.25	U
EW-OU2-09-180^	195	8/13/2024	< 0.25	U
EW-OU2-09-180^	200	8/13/2024	< 0.25	U
EW-OU2-09-180^	205	8/13/2024	< 0.25	U
EW-OU2-13-180	175	8/13/2024	1.0	
EW-OU2-13-180^	180	8/13/2024	1.0	
EW-OU2-13-180^	185	8/13/2024	1.2	
EW-OU2-13-180^	190	8/13/2024	1.3	
EW-OU2-13-180^	195	8/13/2024	1.3	
EW-OU2-13-180^*	195	8/13/2024	1.2	
EW-OU2-13-180^	200	8/13/2024	1.3	
EW-OU2-13-180^	205	8/13/2024	1.3	
EW-OU2-13-180^	210	8/13/2024	1.2	
EW-OU2-13-180^	215	8/13/2024	1.2	
MP-BW-33-272	--	11/16/2023	< 0.25	U
MP-BW-33-272	--	2/13/2024	< 0.25	U
MP-BW-33-272 *	--	2/13/2024	< 0.25	U
MP-BW-33-272	--	5/16/2024	< 0.25	U
MP-BW-33-272	--	8/20/2024	< 0.25	U
MP-BW-46-170	--	11/16/2023	3.2	
MP-BW-46-170	--	2/13/2024	< 0.25	U
MP-BW-46-170	--	5/16/2024	3.1	
MP-BW-46-170	--	8/21/2024	2.3	
MW-BW-21-180	191	11/14/2023	0.19	J
MW-BW-21-180	191	2/13/2024	0.16	J
MW-BW-21-180 *	191	2/13/2024	0.18	J
MW-BW-21-180	191	5/14/2024	0.26	J
MW-BW-21-180 *	191	5/14/2024	0.27	J
MW-BW-21-180	191	8/21/2024	0.27	J
MW-BW-43-180	198	11/15/2023	< 0.25	U
MW-BW-43-180	185	2/14/2024	< 0.25	U
MW-BW-43-180	198	5/15/2024	< 0.25	U
MW-BW-43-180	195	8/22/2024	< 0.25	U

**Table 11. Summary of Groundwater Monitoring Analytical Results,
Upper 180-Foot Aquifer, Fourth Quarter 2023 through Third Quarter 2024**

Station	Depth (ft btoc)	Analyte:	CT (µg/L)	
		Units:	Value	Qual
		Date		
MW-BW-52-180	168	11/16/2023	0.35	J
MW-BW-52-180	168	2/14/2024	0.49	J
MW-BW-52-180	168	5/15/2024	0.42	J
MW-BW-52-180	168	8/20/2024	0.38	J
MW-BW-57-180	193	8/21/2024	< 0.25	U
MW-BW-58-180	170	8/21/2024	< 0.25	U
MW-OU2-30-180	194	11/15/2023	< 0.25	U
MW-OU2-30-180	--	2/13/2024	NS	
MW-OU2-30-180	--	5/16/2024	NS	
MW-OU2-30-180	--	8/13/2024	NS	
MW-OU2-64-180	193	11/15/2023	2.9	
MW-OU2-64-180	198	2/14/2024	2.2	
MW-OU2-64-180	193	5/15/2024	3.4	
MW-OU2-64-180	198	8/22/2024	1.9	
MW-OU2-64-180 *	198	8/22/2024	1.9	
MW-OU2-67-180	206	11/16/2023	< 0.25	U
MW-OU2-67-180 *	206	11/16/2023	< 0.25	U
MW-OU2-67-180	206	2/14/2024	< 0.25	U
MW-OU2-67-180	206	5/15/2024	< 0.25	U
MW-OU2-67-180	206	8/21/2024	< 0.25	U
MW-OU2-70-180	230	8/21/2024	< 0.25	U
Max Conc (µg/L) 2024-3Q:			2.3	
Max Conc (µg/L) 2023-4Q to 2023-4Q:			3.4	
Number of Sampling Locations:			13	
Number of Locations above ACL:			3	
Percent of Locations with Detections:			38%	

Table 11. Summary of Groundwater Monitoring Analytical Results, Upper 180-Foot Aquifer, Fourth Quarter 2023 through Third Quarter 2024

Notes:

--: sample collected from pump spigot

Results in **bold** are detected results at or above the Aquifer
Cleanup Level (ACL) as shown in Table 1

Results in *gray* are not detected (result reported as <limit of
detection [LOD])

* Field Duplicate

^ Passive diffusion bag (PDB) sample collected at different depth

Acronyms and Abbreviations:

µg/L: micrograms per liter

Conc: concentration

CT: carbon tetrachloride

ft btoc: feet below top of casing

Max: maximum

Qual: qualifier

NS: not sampled

Data Validation Qualifiers:

J: Laboratory qualifier, estimated result between the detection
limit (DL) and the limit of quantitation (LOQ) with a possible high

U: Laboratory or validation qualifier, concentration not detected
(reported as <LOD).

UJ: Validation qualifier, The analyte was analyzed for, but was not
detected. The reported quantitation limit is approximate and may
be inaccurate or imprecise.

**Table 12. Summary of Groundwater Monitoring Analytical Results,
Lower 180-Foot Aquifer, Fourth Quarter 2023 through Third Quarter 2024**

Station	Depth (ft btoc)	Analyte:	1,2-DCA (µg/L)		CT (µg/L)		TCE ¹ (µg/L)	
		Units: Date	Value	Qual	Value	Qual	Value	Qual
Lower 180-Foot Aquifer								
EW-OU2-07-180	222	11/15/2023	< 0.25	U	< 0.25	U	2.6	
EW-OU2-07-180	222	2/14/2024	< 0.25	U	< 0.25	U	2.3	
EW-OU2-07-180	222	5/15/2024	< 0.25	U	< 0.25	U	2.8	
EW-OU2-07-180	222	8/20/2024	< 0.25	U	< 0.25	U	2.3	
MP-BW-41-318	--	8/22/2024	< 0.25	U	< 0.25	U	< 0.25	U
MP-BW-41-353	--	11/15/2023	< 0.25	U	< 0.25	U	0.79	
MP-BW-41-353	--	2/15/2024	< 0.25	U	< 0.25	U	0.58	
MP-BW-41-353	--	5/16/2024	< 0.25	U	< 0.25	U	0.85	
MP-BW-41-353	--	8/22/2024	< 0.25	U	< 0.25	U	0.56	
MP-BW-42-345	--	11/15/2023	< 0.25	U	< 0.25	U	0.78	
MP-BW-42-345	--	2/14/2024	< 0.25	U	< 0.25	U	0.60	
MP-BW-42-345	--	5/16/2024	< 0.25	U	< 0.25	U	0.80	
MP-BW-42-345	--	8/21/2024	< 0.25	U	< 0.25	U	0.77	
MP-BW-49-287	--	11/15/2023	< 0.25	U	0.13	J	< 0.25	U
MP-BW-49-287 *	--	11/15/2023	< 0.25	U	0.17	J	< 0.25	U
MP-BW-49-287	--	2/14/2024	< 0.25	U	< 0.25	U	< 0.25	U
MP-BW-49-287	--	5/16/2024	< 0.25	U	0.28	J	< 0.25	U
MP-BW-49-287	--	8/22/2024	< 0.25	U	< 0.25	U	0.12	J
MP-BW-49-316	--	11/15/2023	< 0.25	U	1.8		< 0.25	U
MP-BW-49-316	--	2/14/2024	< 0.25	U	1.3		< 0.25	U
MP-BW-49-316	--	5/16/2024	< 0.25	U	1.7		< 0.25	U
MP-BW-49-316	--	8/22/2024	< 0.25	U	0.98		< 0.25	U
MP-BW-49-316 *	--	8/22/2024	< 0.25	U	1.6		< 0.25	U
MP-BW-49-368	--	11/15/2023	< 0.25	U	< 0.25	U	0.48	J
MP-BW-49-368	--	2/14/2024	< 0.25	U	< 0.25	U	0.65	
MP-BW-49-368	--	5/16/2024	< 0.25	U	< 0.25	U	0.56	
MP-BW-49-368	--	8/22/2024	< 0.25	U	< 0.25	U	0.32	J
MP-BW-49-400	--	11/15/2023	< 0.25	U	< 0.25	U	3.0	
MP-BW-49-400	--	2/14/2024	< 0.25	U	< 0.25	U	4.2	
MP-BW-49-400	--	5/15/2024	< 0.25	U	< 0.25	U	3.5	
MP-BW-49-400	--	8/22/2024	< 0.25	U	< 0.25	U	2.5	
MP-BW-50-339	--	11/15/2023	< 0.25	U	0.41	J	0.15	J
MP-BW-50-339	--	2/15/2024	< 0.25	U	0.28	J	0.14	J
MP-BW-50-339	--	5/16/2024	< 0.25	U	1.4		0.12	J
MP-BW-50-339	--	8/21/2024	< 0.25	U	0.70		< 0.25	U
MP-BW-50-384	--	11/15/2023	< 0.25	U	< 0.25	U	1.3	
MP-BW-50-384	--	2/15/2024	< 0.25	U	< 0.25	U	1.1	
MP-BW-50-384	--	5/16/2024	< 0.25	U	< 0.25	U	1.2	
MP-BW-50-384	--	8/21/2024	< 0.25	U	< 0.25	U	0.72	

**Table 12. Summary of Groundwater Monitoring Analytical Results,
Lower 180-Foot Aquifer, Fourth Quarter 2023 through Third Quarter 2024**

Station	Depth (ft btoc)	Analyte:	1,2-DCA (µg/L)		CT (µg/L)		TCE ¹ (µg/L)	
		Units: Date	Value	Qual	Value	Qual	Value	Qual
MP-BW-51-405	--	11/15/2023	< 0.25	U	< 0.25	U	1.3	
MP-BW-51-405	--	2/14/2024	< 0.25	U	< 0.25	U	1.5	
MP-BW-51-405	--	5/16/2024	< 0.25	U	< 0.25	U	1.3	
MP-BW-51-405	--	8/21/2024	< 0.25	U	< 0.25	U	0.93	
MW-BW-04-180	357	11/16/2023	< 0.25	U	0.52		< 0.25	U
MW-BW-04-180 *	357	11/16/2023	< 0.25	U	0.49	J	< 0.25	U
MW-BW-04-180	362	2/15/2024	< 0.25	U	0.71		0.12	J
MW-BW-04-180	357	5/16/2024	< 0.25	U	0.26	J	< 0.25	U
MW-BW-04-180	352	8/22/2024	< 0.25	U	0.33	J	< 0.25	U
MW-BW-59-180	350	11/15/2023	< 0.25	U	< 0.25	U	8.5	
MW-BW-59-180	350	2/14/2024	< 0.25	U	< 0.25	U	6.6	
MW-BW-59-180	350	5/15/2024	< 0.25	U	0.11	J	9.8	
MW-BW-59-180	350	8/20/2024	< 0.25	U	< 0.25	U	8.4	
MW-OU2-66-180	326	11/15/2023	< 0.25	U	< 0.25	U	0.20	J
MW-OU2-66-180	326	2/15/2024	< 0.25	U	< 0.25	U	0.19	J
MW-OU2-66-180 *	326	2/15/2024	< 0.25	U	< 0.25	U	0.19	J
MW-OU2-66-180	326	5/15/2024	< 0.25	U	< 0.25	U	0.27	J
MW-OU2-66-180 *	326	5/15/2024	< 0.25	U	< 0.25	U	0.25	J
MW-OU2-66-180	326	8/22/2024	< 0.25	U	< 0.25	U	0.16	J
MW-OU2-69-180	325	11/16/2023	< 0.25	U	1.1		< 0.25	U
MW-OU2-69-180	330	2/14/2024	< 0.25	U	1.2		< 0.25	U
MW-OU2-69-180	325	5/15/2024	< 0.25	U	1.4		< 0.25	U
MW-OU2-69-180	330	8/21/2024	< 0.25	U	0.92		< 0.25	U
MW-OU2-69-180 *	330	8/21/2024	< 0.25	U	1.2		< 0.25	U
MW-OU2-72-180	367	11/16/2023	< 0.25	U	0.14	J	2.1	
MW-OU2-72-180	357	2/15/2024	< 0.25	U	0.13	J	1.5	
MW-OU2-72-180	357	5/16/2024	< 0.25	U	0.18	J	1.3	
MW-OU2-72-180	367	8/21/2024	< 0.25	U	0.16	J	1.1	
MW-OU2-78-180	335	11/15/2023	< 0.25	U	< 0.25	U	2.3	
MW-OU2-78-180	340	2/14/2024	< 0.25	U	< 0.25	U	2.1	
MW-OU2-78-180	335	5/15/2024	< 0.25	U	< 0.25	U	2.4	
MW-OU2-78-180	325	8/20/2024	< 0.25	U	< 0.25	U	2.4	
MW-OU2-82-180	355	11/15/2023	< 0.25	U	< 0.25	U	3.9	
MW-OU2-82-180	360	2/14/2024	< 0.25	U	< 0.25	U	3.2	
MW-OU2-82-180	355	5/15/2024	< 0.25	U	< 0.25	U	3.8	
MW-OU2-82-180	355	9/9/2024	< 0.25	U	< 0.25	U	3.2	
Max Conc (µg/L) 2024-3Q:			< 0.25	U	1.6		8.4	
Max Conc (µg/L) 2023-4Q to 2024-3Q:			< 0.25	U	1.8		9.8	
Number of Sampling Locations:			18		18		18	
Number of Locations above ACL/MCL:			0		4		1	

**Table 12. Summary of Groundwater Monitoring Analytical Results,
Lower 180-Foot Aquifer, Fourth Quarter 2023 through Third Quarter 2024**

Station	Depth (ft btoc)	Analyte:	1,2-DCA (µg/L)		CT (µg/L)		TCE ¹ (µg/L)	
		Units:	Value	Qual	Value	Qual	Value	Qual
		Date						
Percent of Locations with Detections:			0%		39%		83%	
Supply Wells								
FO-29	--	11/16/2023	< 0.25	U	0.17	J	1.8	
FO-29 *	--	11/16/2023	< 0.25	U	0.18	J	1.8	
FO-29	--	2/15/2024	< 0.25	U	0.19	J	1.3	
FO-29 *	--	2/15/2024	< 0.25	U	0.20	J	1.3	
FO-29	--	5/30/2024	< 0.25	U	0.18	J	1.3	
FO-29 *	--	5/30/2024	< 0.25	U	0.18	J	1.3	
FO-29	--	8/22/2024	< 0.25	U	0.16	J	1.2	
FO-29 *	--	8/22/2024	< 0.25	U	0.14	J	1.2	
FO-30	--	11/16/2023	< 0.25	U	0.17	J	0.48	J
FO-30	--	2/15/2024	< 0.25	U	0.12	J	0.45	J
FO-30	--	5/30/2024	< 0.25	U	0.13	J	0.42	J
FO-30	--	8/22/2024	< 0.25	U	0.14	J	0.37	J
FO-31	--	11/16/2023	< 0.25	U	0.11	J	1.3	
FO-31	--	2/15/2024	< 0.25	U	0.10	J	0.95	
FO-31	--	5/30/2024	< 0.25	U	0.10	J	0.99	
FO-31	--	8/22/2024	< 0.25	U	< 0.25	U	1.0	
Max Conc (µg/L) 2024-3Q:			< 0.25	U	0.16	J	1.2	
Max Conc (µg/L) 2023-4Q to 2024-3Q:			< 0.25	U	0.20	J	1.8	

Notes:

--: sample collected from pump spigot

Results in *gray* are not detected (result reported as <limit of detection [LOD])

Results in **bold** are detected results at or above the Aquifer Cleanup Level for CT or Maximum Contaminant Level for TCE¹

* Field Duplicate

¹TCE is not a COC for the Lower 180-Foot Aquifer

Analyte Names:

TCE: trichloroethene

1,2-DCA: 1,2-dichloroethane

CT: carbon tetrachloride

Acronyms and Abbreviations:

µg/L: micrograms per liter

ft btoc: feet below top of casing

Qual: qualifier

Data Validation Qualifiers:

J: Laboratory qualifier, estimated result between the detection limit (DL) and the limit of quantitation (LOQ) with a possible high (+) or low (-) bias.

U: Laboratory or validation qualifier, concentration not detected (reported as <LOD).

UJ: Validation qualifier, The analyte was analyzed for, but was not detected. The reported quantitation limit is approximate and may be inaccurate or imprecise.

Table 13. Recommended Groundwater Sample Schedule Modifications

Well Name	Current Sampling Frequency	Recommended Sampling Frequency Change	Rationale
A-Aquifer			
MW-BW-31-A	Quarterly VOCs	Annual VOCs	Meets QAPP decision criteria to reduce to annual sampling ¹
EW-BW-149-A	Annual VOCs	Remove from Sampling	Meets QAPP decision criteria to reduce to remove from sampling ²
Upper 180-Foot Aquifer			
MW-BW-43-180	Quarterly VOCs	Annual VOCs	Meets QAPP decision criteria to reduce to annual sampling ¹
Lower 180-Foot Aquifer			
None			

Notes:

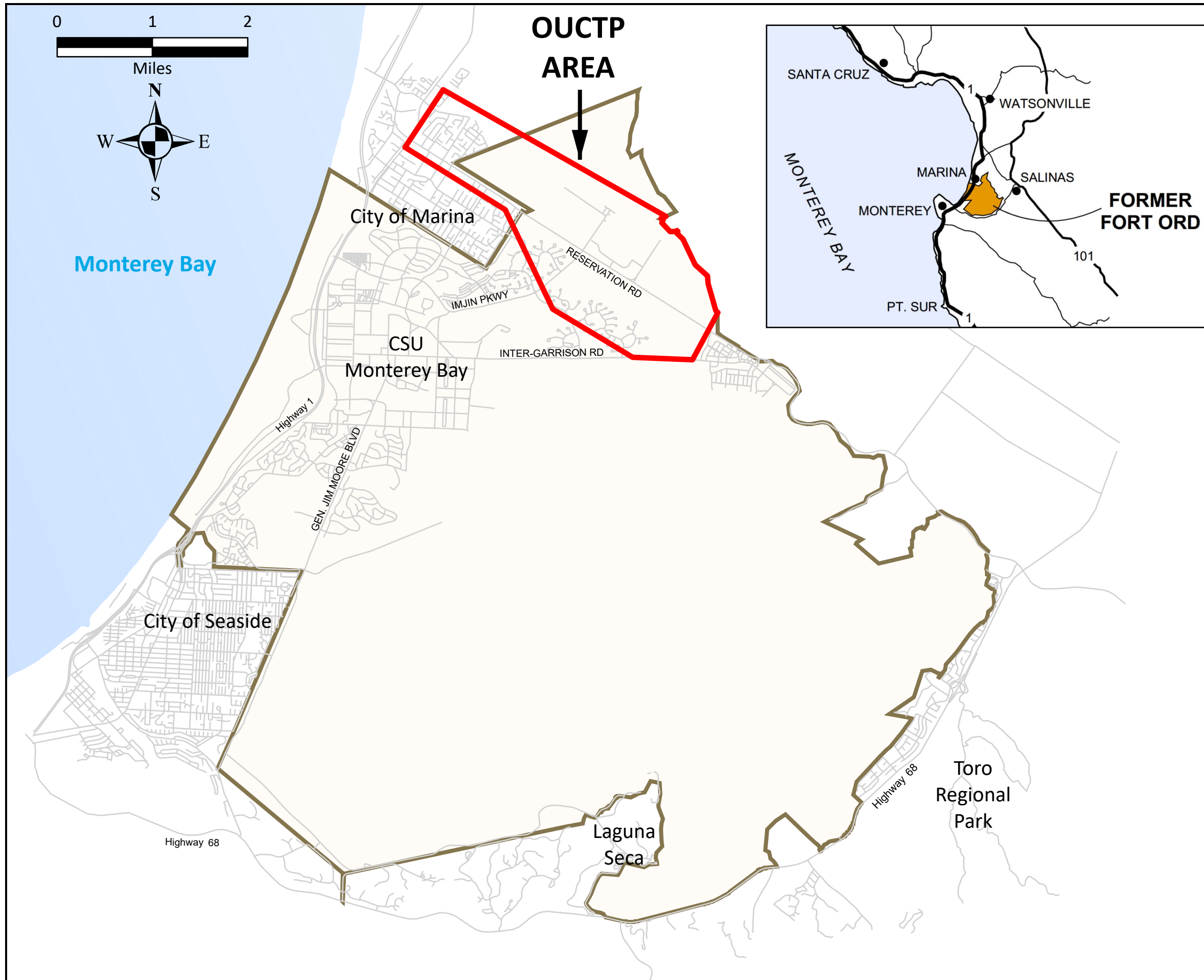
¹ If four consecutive quarters of monitoring data show concentrations of COCs below their their respective LOQs, or below 10% of their ACLs, whichever is greater, then the well may be proposed for annual sampling.

² If two consecutive annual monitoring events show concentrations of COCs below their their respective LOQs, or below 10% of their ACLs, whichever is greater, then the well may be proposed for removal from sampling.

Acronyms and Abbreviations:

- ACL: aquifer cleanup level
- COC: chemical of concern
- CT: carbon tetrachloride
- DTW: depth to water
- EISB: Enhanced In Situ Bioremediation
- LOQ: limit of quantitation
- QAPP: Quality Assurance Project Plan
- VOC: volatile organic compound

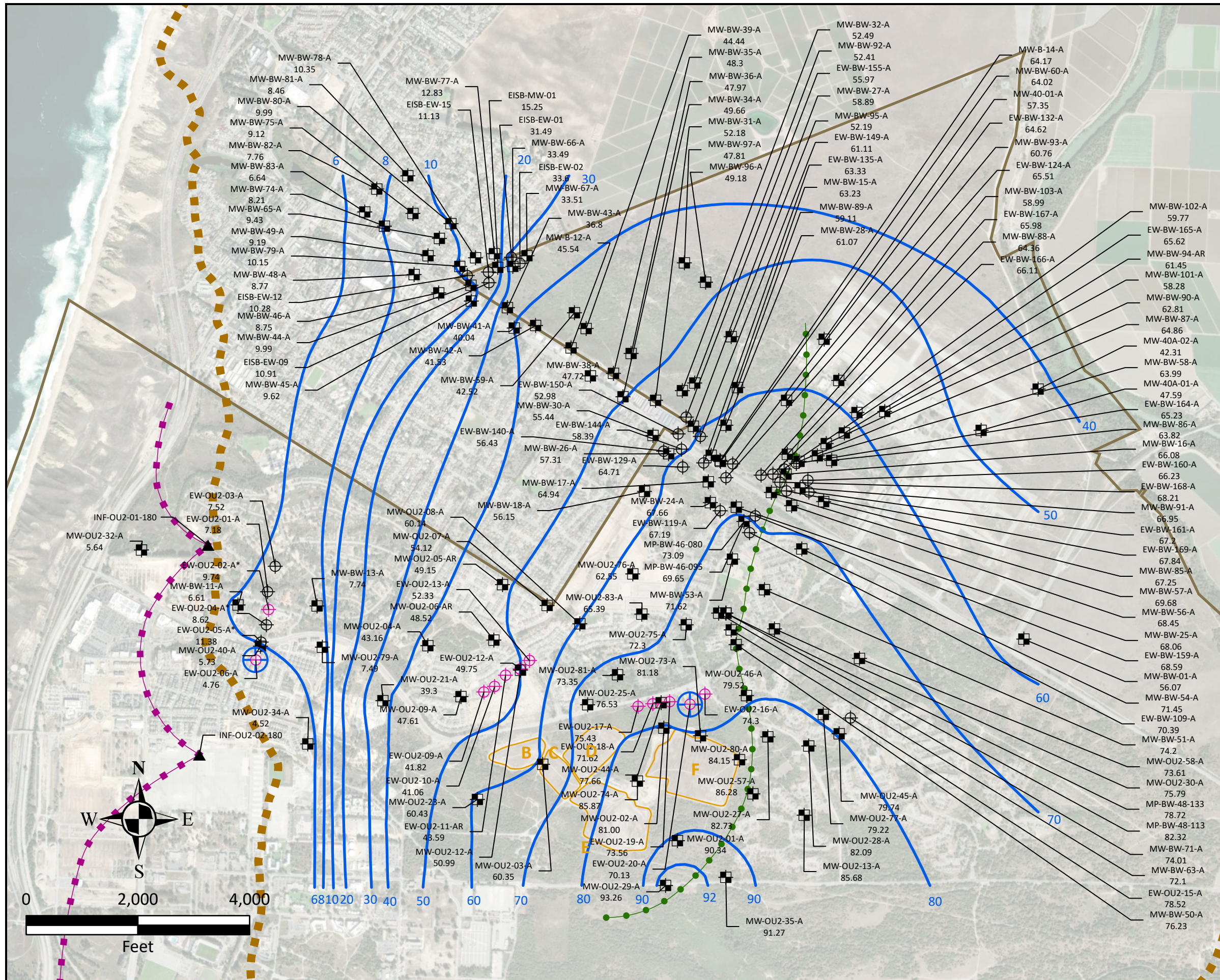
Figures



EXPLANATION

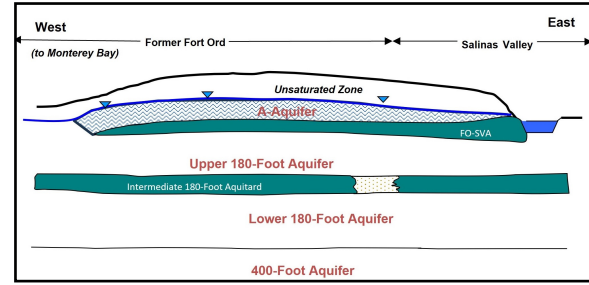
- Roads
- Operable Unit Carbon Tetrachloride (OUCTP) Area
- Former Fort Ord boundary

LOCATION MAP
 Operable Unit Carbon Tetrachloride Plume
 Fourth Quarter 2023 - Third Quarter 2024
 Groundwater Monitoring Report
 Former Fort Ord, California



EXPLANATION

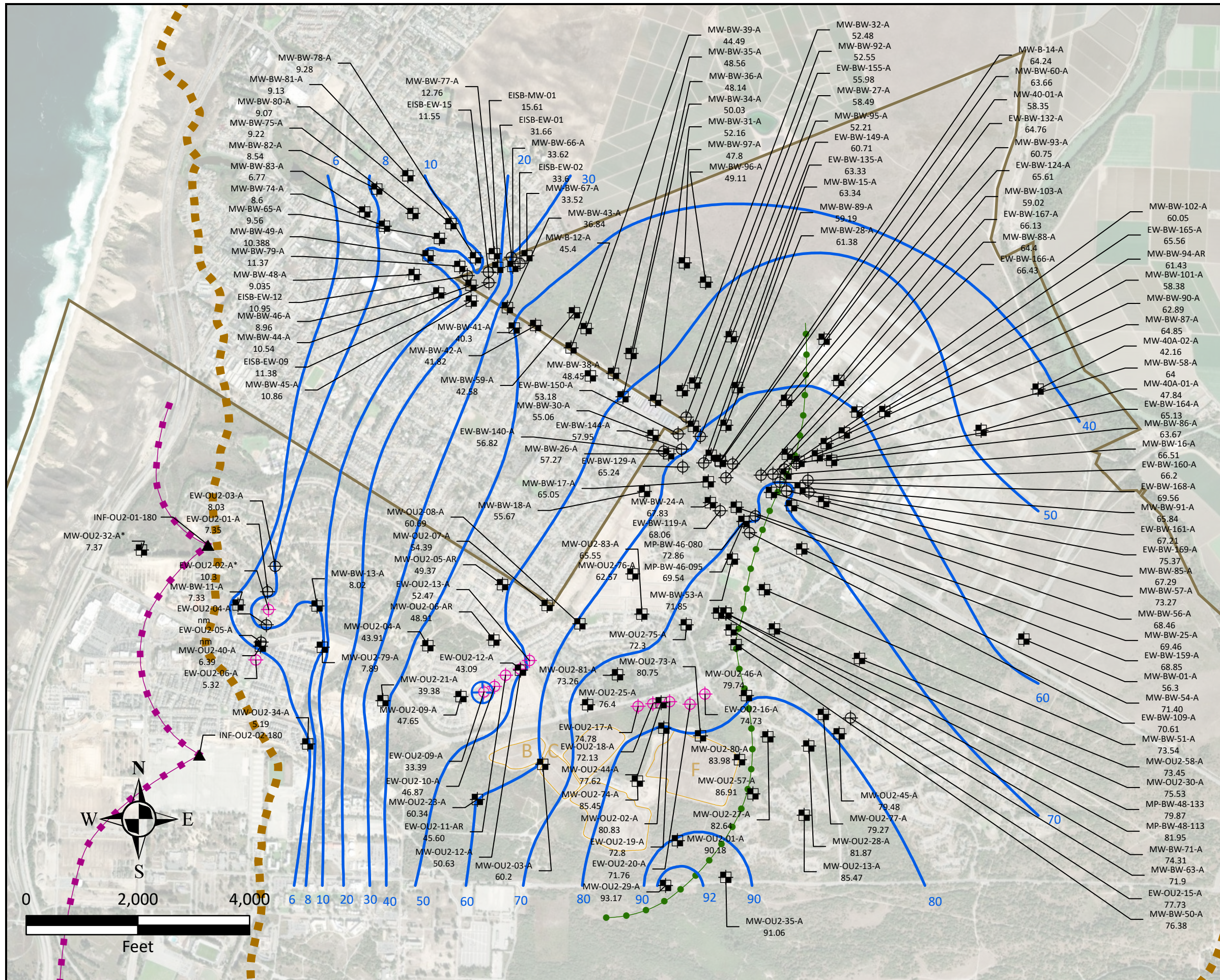
- Active extraction well
 - Extraction well
 - Monitoring well
 - Infiltration well
 - Groundwater elevation contour
 - Approximate edge of the Fort Ord-Salinas Valley Aquitard (FO-SVA)
 - Approximate location of the A-Aquifer groundwater divide
 - Approximate location of the Upper 180-Foot Aquifer groundwater divide
 - Approximate extent of landfill areas (Areas B through F)
 - Former Fort Ord boundary
- * Water - level not used for contouring.
 nm Water - level not measured
- Well ID and water-level elevation (feet)
- Location of a groundwater depression



- NOTES:**
- (1) Groundwater elevations were taken between November 8, 2023 and December 19, 2023.
 - (2) EW-OU2-02-A, EW-OU2-04-A, and EW-OU2-05-A was not used for modeling because the SCADA results for groundwater elevation was not verified with actual measured results.
 - (3) MW-BW-101-A, MW-BW-102-A, and MW-BW-103-A groundwater elevation is pending survey of well.
 - (4) Groundwater elevation contours are based on one interpretation of the data that were available at the time this report was prepared; other interpretations may be possible.
 - (5) Groundwater elevations are relative to NGVD 1929.
 - (6) Monitoring wells presented are a part of the basewide monitoring network.

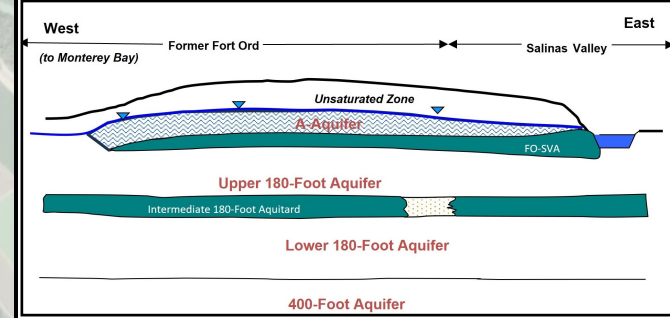
**GROUNDWATER ELEVATIONS
 A-AQUIFER
 FOURTH QUARTER 2023**
 Operable Unit Carbon Tetrachloride Plume
 Fourth Quarter 2023 - Third Quarter 2024
 Groundwater Monitoring Report
 Former Fort Ord, California

Service Layer Credits: Source: Esri, Maxar, Earthstar Geographics, and the GIS User Community
 Imagery Date: October 27, 2023



EXPLANATION

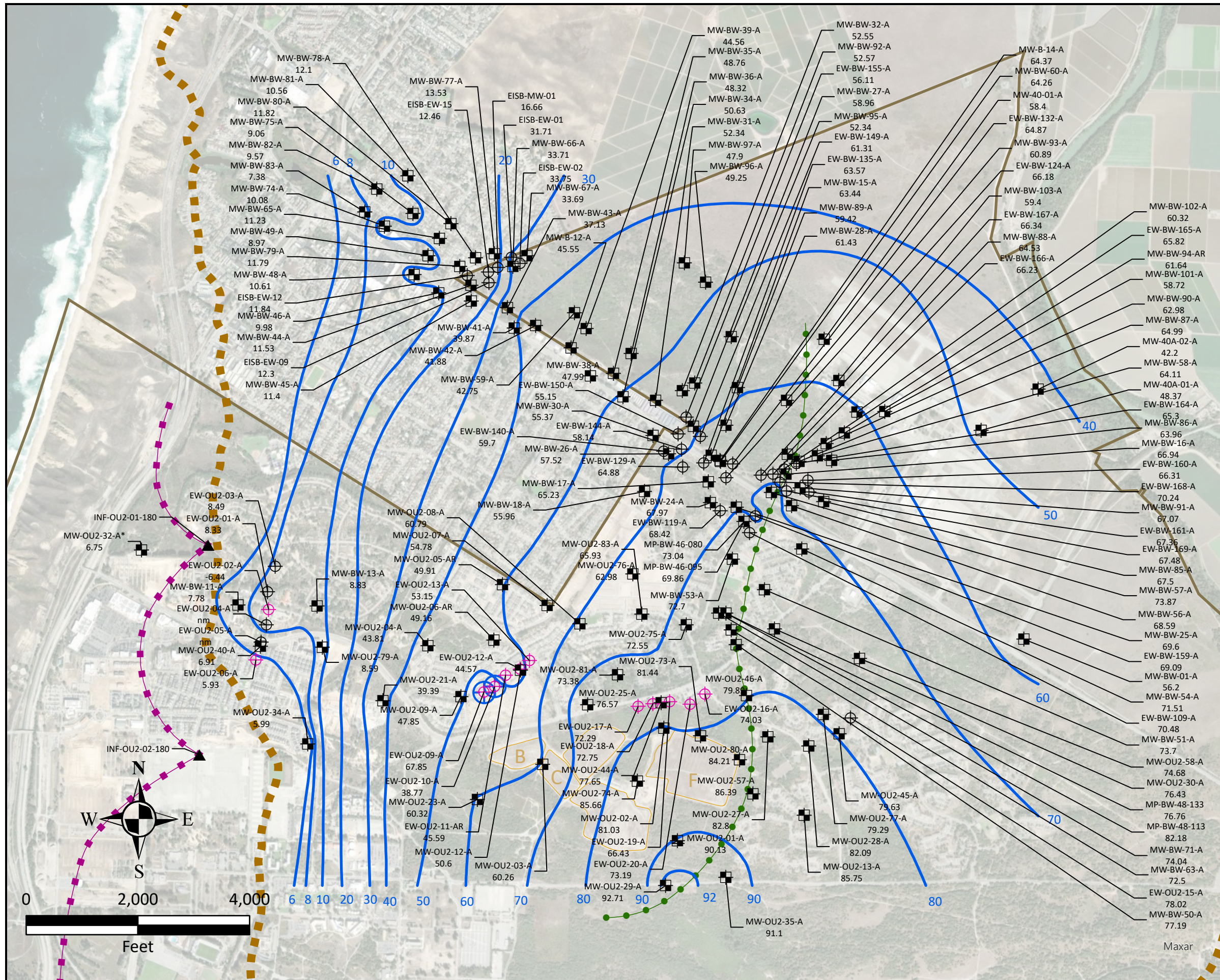
- Active extraction well
- Extraction well
- Monitoring well
- Infiltration well
- Groundwater elevation contour
- Approximate edge of the Fort Ord-Salinas Valley Aquitard (FO-SVA)
- Approximate location of the A-Aquifer groundwater divide
- Approximate location of the Upper 180-Foot Aquifer groundwater divide
- Approximate extent of landfill areas (Areas B through F)
- Former Fort Ord boundary
- * Water - level not used for contouring.
- nm Water - level not measured
- Well ID and water-level elevation (feet)
- Location of a groundwater depression



- NOTES:**
- (1) Groundwater elevations were taken between February 12, 2024 and March 5, 2024.
 - (2) EW-OU2-02-A was not used for modeling because the SCADA results for groundwater elevation was not verified with actual measured results.
 - (3) EW-OU2-04-A and EW-OU2-05-A was not used for modeling due to operational status did not permit the detection of the water-level
 - (4) Groundwater elevation contours are based on one interpretation of the data that were available at the time this report was prepared; other interpretations may be possible.
 - (5) Groundwater elevations are relative to NGVD 1929.
 - (6) Monitoring wells presented are a part of the basewide monitoring network.

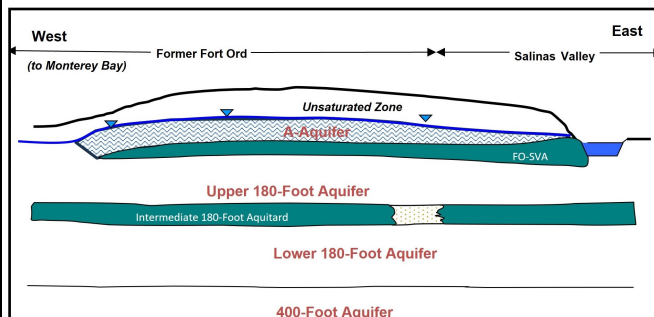
GROUNDWATER ELEVATIONS
A-AQUIFER
FIRST QUARTER 2024
 Operable Unit Carbon Tetrachloride Plume
 Fourth Quarter 2023 - Third Quarter 2024
 Groundwater Monitoring Report
 Former Fort Ord, California

Service Layer Credits: Source: Esri, Maxar, Earthstar Geographics, and the GIS User Community
 Imagery Date: October 27, 2023



EXPLANATION

- Active extraction well
 - Extraction well
 - Monitoring well
 - Infiltration well
 - Groundwater elevation contour
 - Approximate edge of the Fort Ord-Salinas Valley Aquitard (FO-SVA)
 - Approximate location of the A-Aquifer groundwater divide
 - Approximate location of the Upper 180-Foot Aquifer groundwater divide
 - Approximate extent of landfill areas (Areas B through F)
 - Former Fort Ord boundary
- * Water - level not used for contouring.
 nm Water - level not measured
- MW-BW-28-A 61.07 Well ID and water-level elevation (feet)
- Location of a groundwater depression



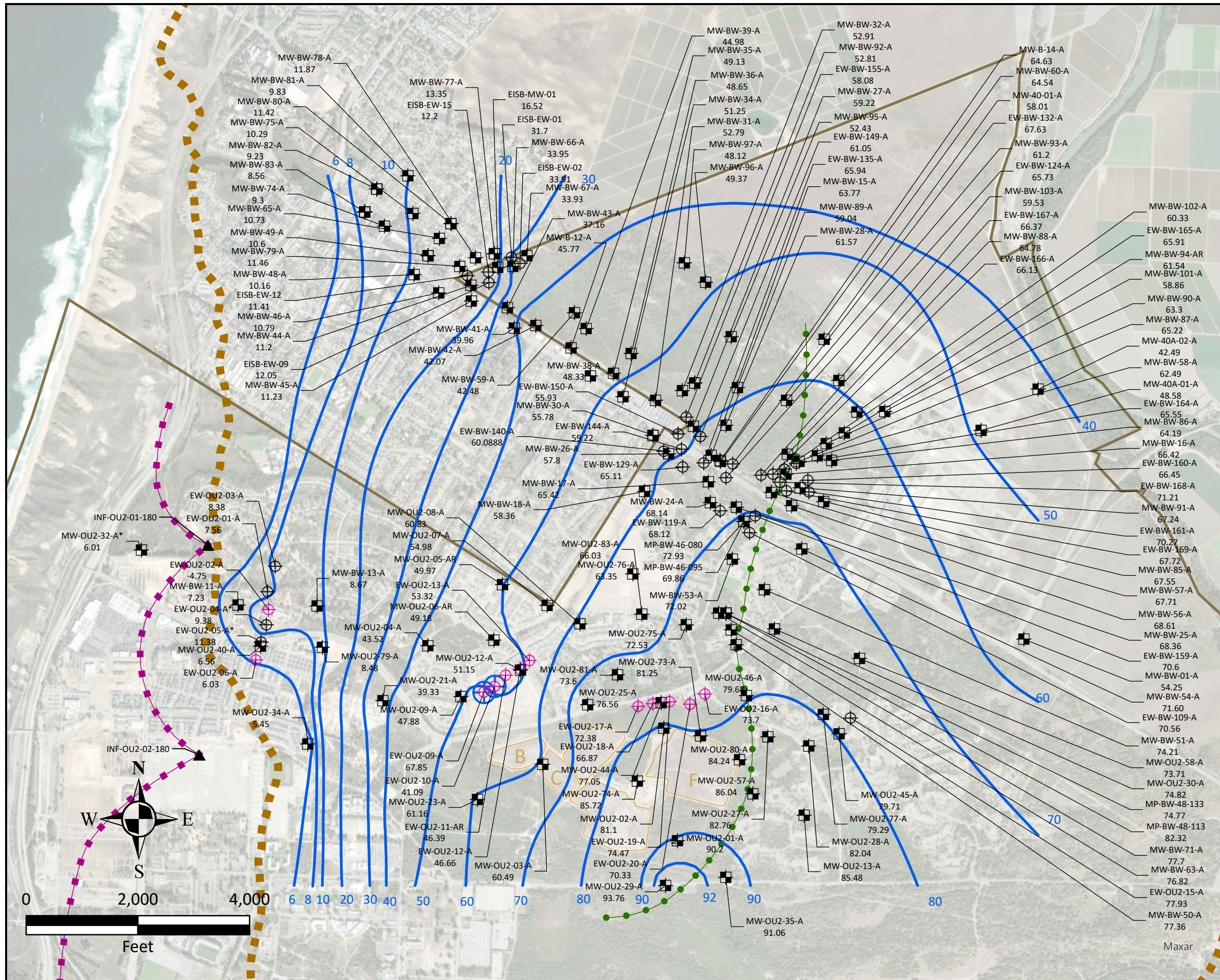
NOTES:

- (1) Groundwater elevations were taken between May 7, 2024 and May 16, 2024.
- (2) Groundwater elevation contours are based on one interpretation of the data that were available at the time this report was prepared; other interpretations may be possible.
- (3) Groundwater elevations are relative to NGVD 1929.
- (4) Monitoring wells presented are a part of the basewide monitoring network.

**GROUNDWATER ELEVATIONS
 A-AQUIFER
 SECOND QUARTER 2024**

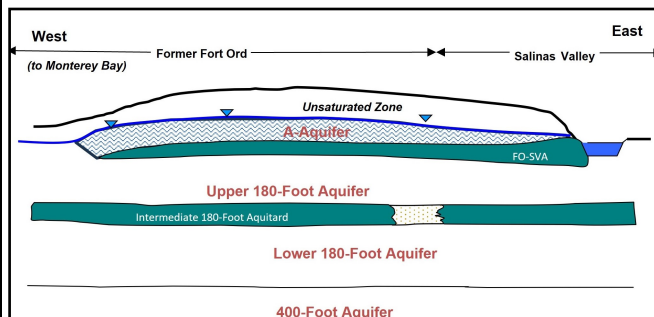
Operable Unit Carbon Tetrachloride Plume
 Fourth Quarter 2023 - Third Quarter 2024
 Groundwater Monitoring Report
 Former Fort Ord, California

	Date: 2/12/2025	Figure: 5
--	-----------------	-----------



EXPLANATION

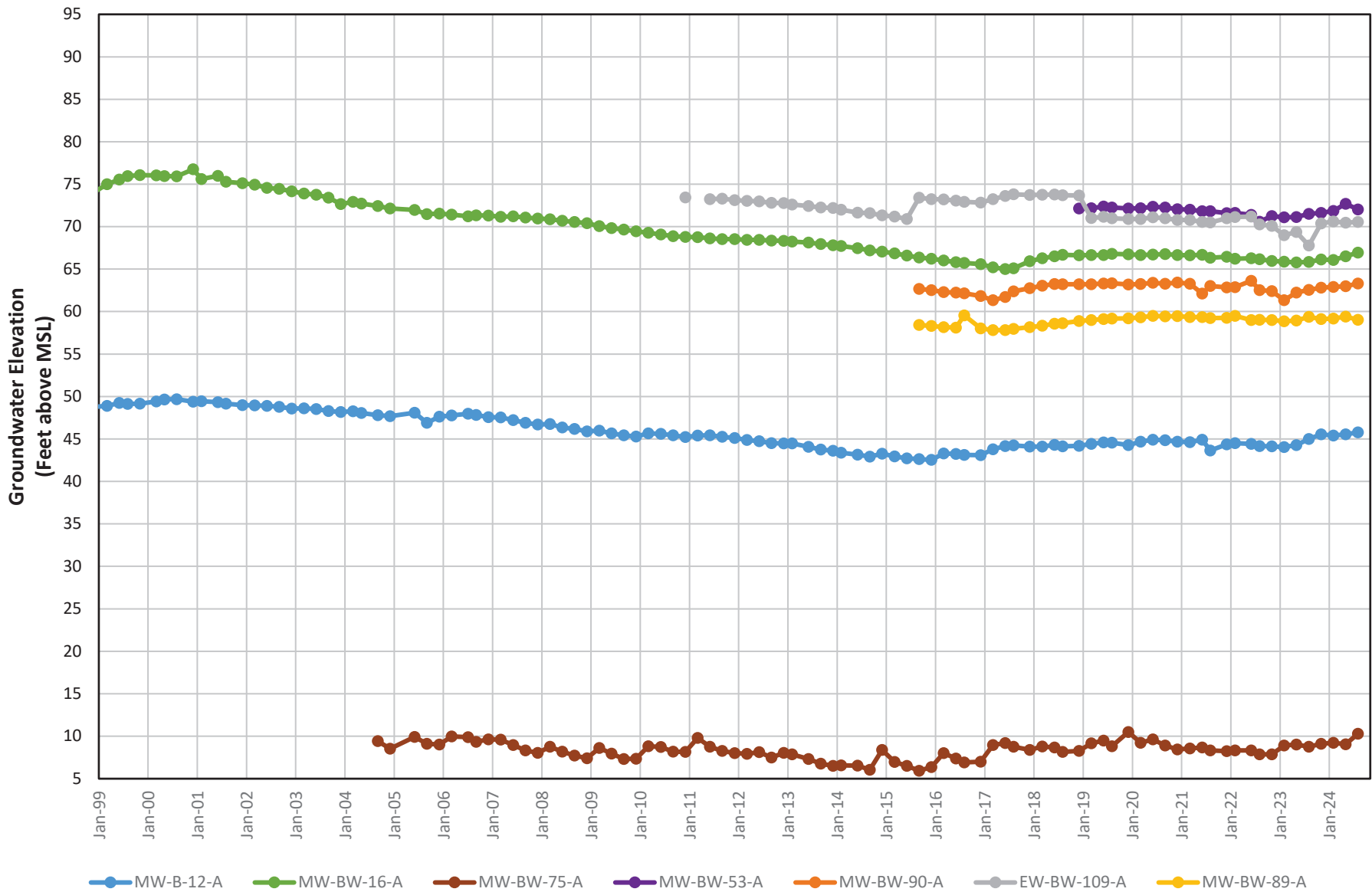
- Active extraction well
 - Extraction well
 - Monitoring well
 - Infiltration well
 - Groundwater elevation contour
 - Approximate edge of the Fort Ord-Salinas Valley Aquitard (FO-SVA)
 - Approximate location of the A-Aquifer groundwater divide
 - Approximate location of the Upper 180-Foot Aquifer groundwater divide
 - Approximate extent of landfill areas (Areas B through F)
 - Former Fort Ord boundary
- * Water - level not used for contouring.
 nm Water - level not measured
- MW-BW-28-A 61.07 Well ID and water-level elevation (feet)
- Location of a groundwater depression



- NOTES:**
- (1) Groundwater elevations were taken between August 19, 2024 and August 24, 2024.
 - (2) Groundwater elevation contours are based on one interpretation of the data that were available at the time this report was prepared; other interpretations may be possible.
 - (3) Groundwater elevations are relative to NGVD 1929.
 - (4) Monitoring wells presented are a part of the basewide monitoring network.

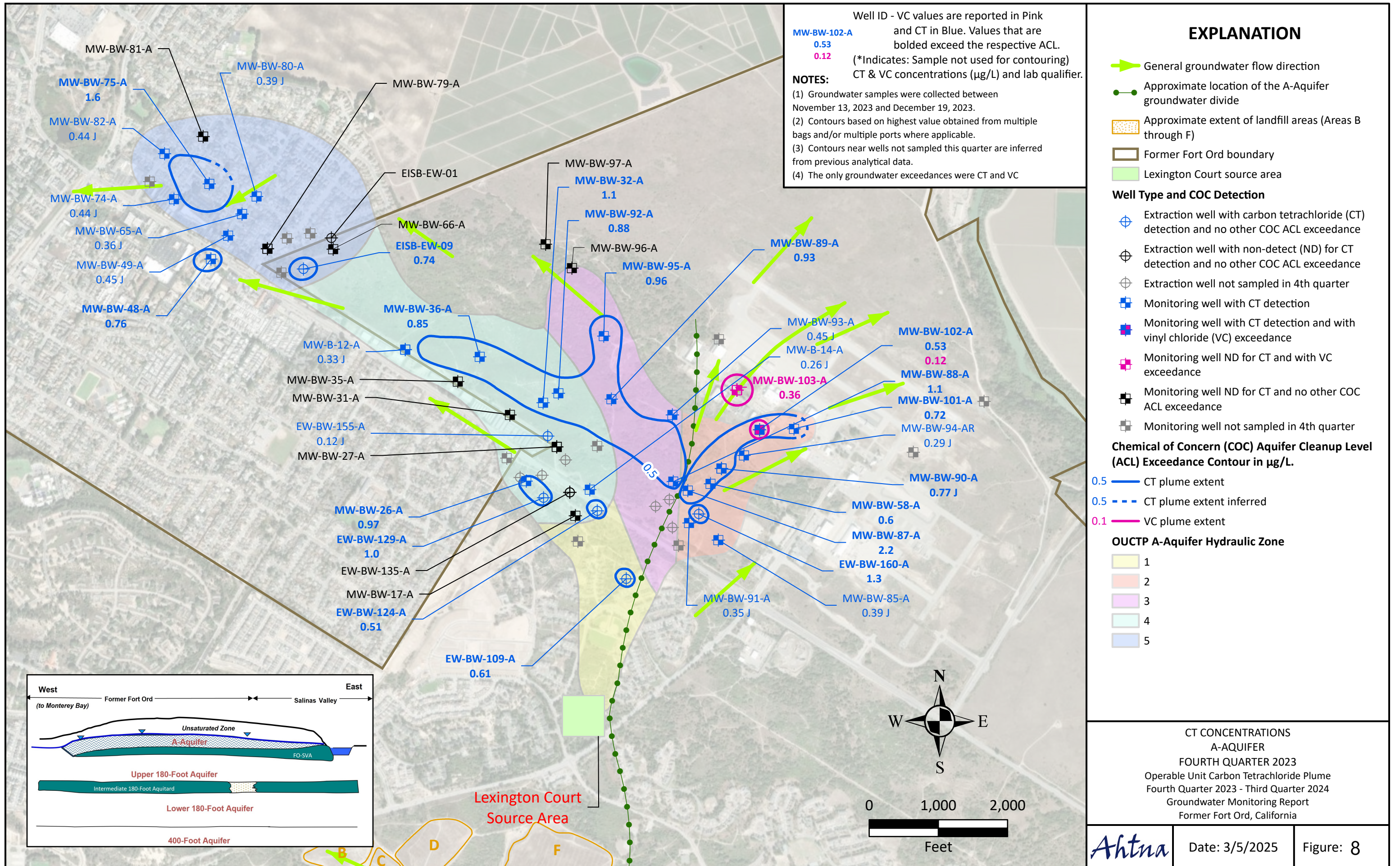
**GROUNDWATER ELEVATIONS
 A-AQUIFER
 THIRD QUARTER 2024**
 Operable Unit Carbon Tetrachloride Plume
 Fourth Quarter 2023 - Third Quarter 2024
 Groundwater Monitoring Report
 Former Fort Ord, California

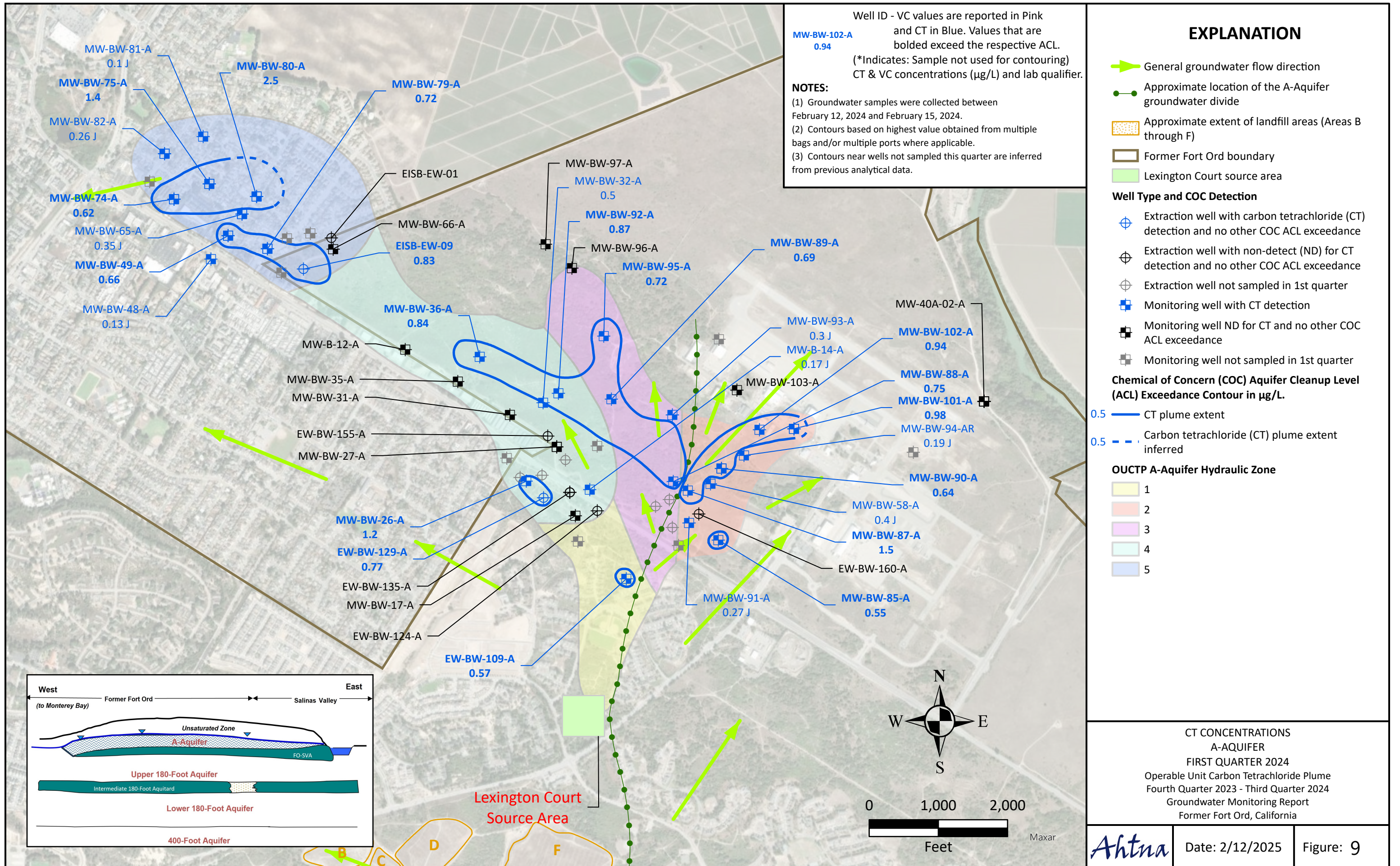
	Date: 2/12/2025	Figure: 6
--	-----------------	-----------

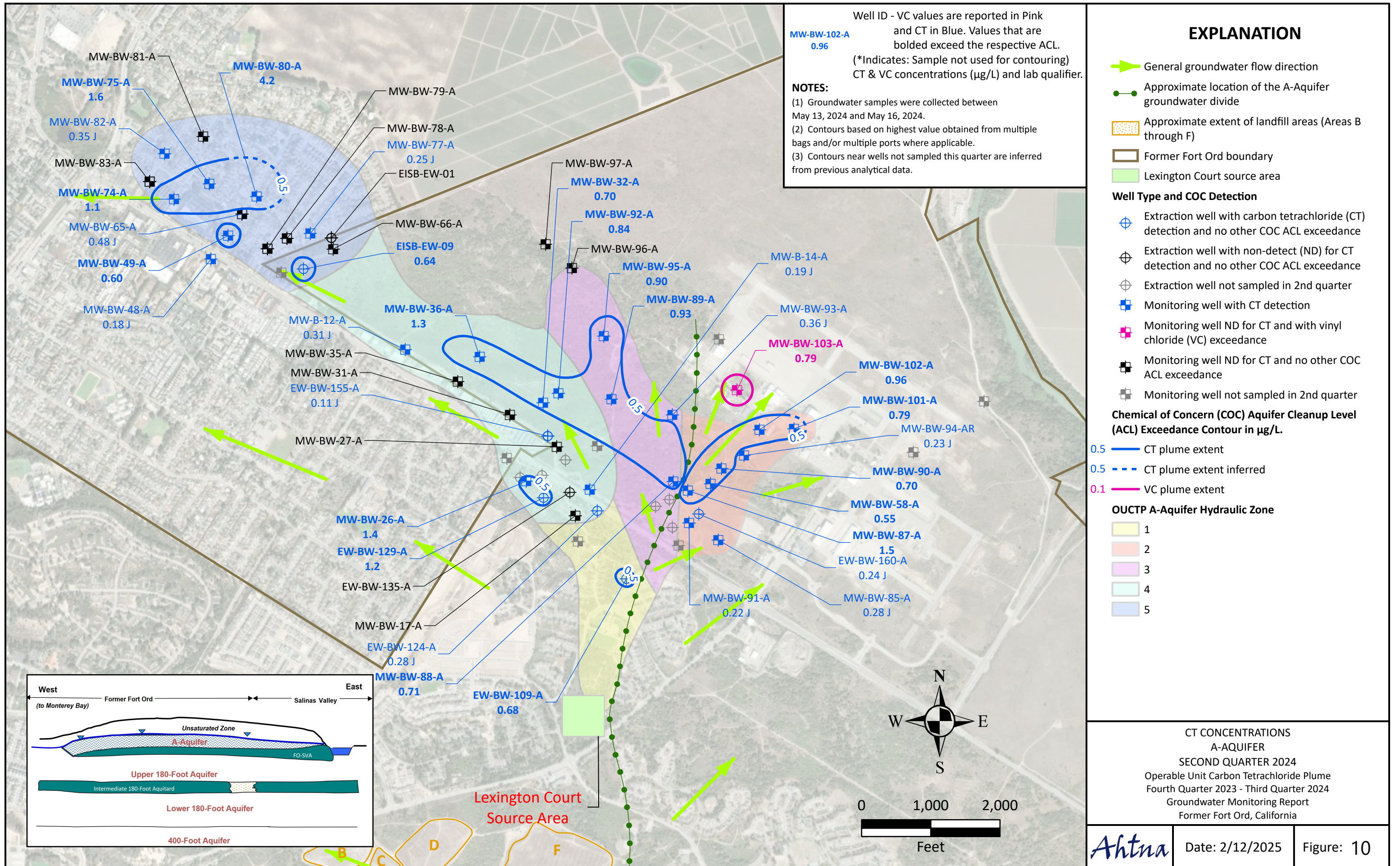


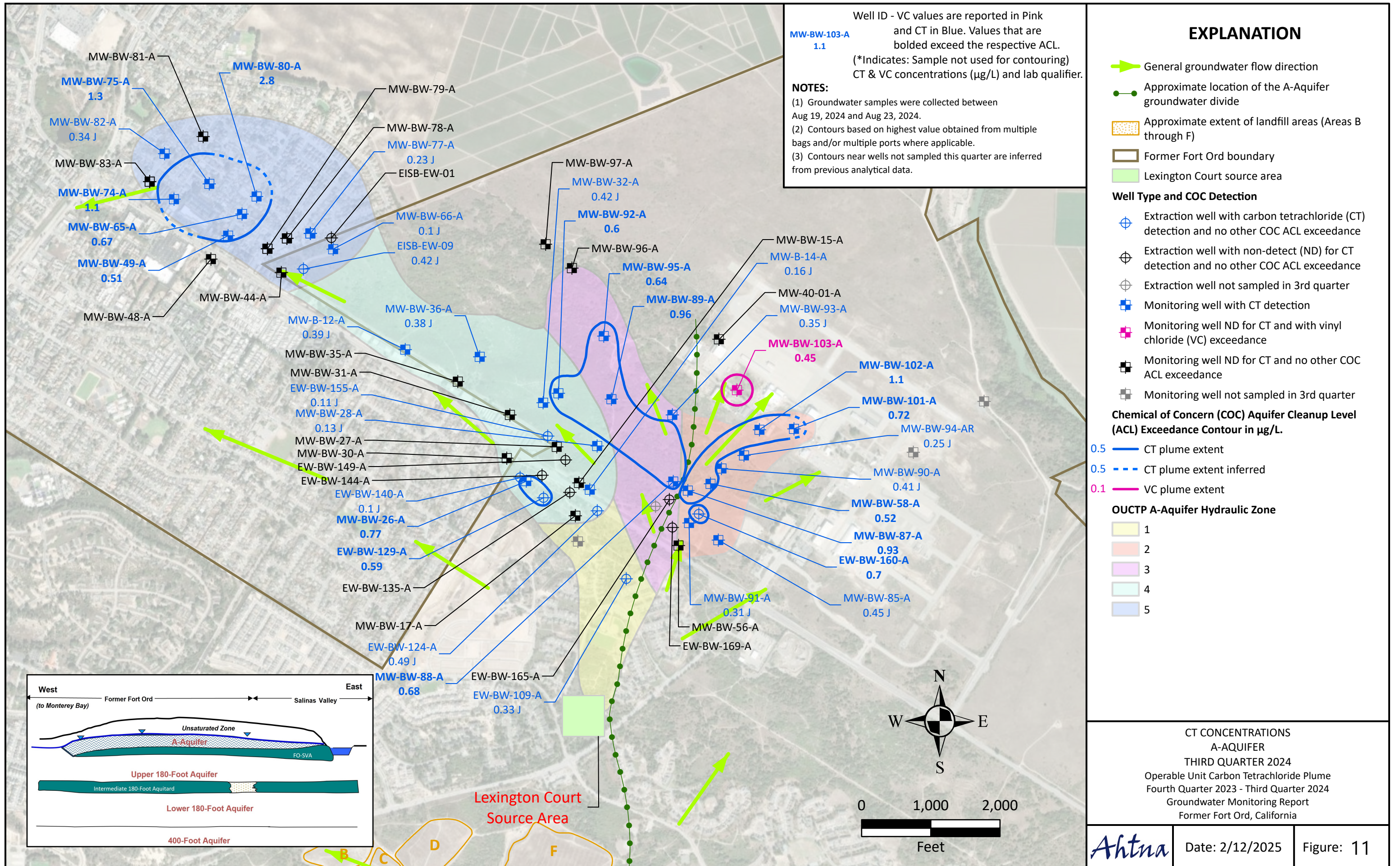
**Hydrographs of Representative A-Aquifer Wells
January 1999 to September 2024**

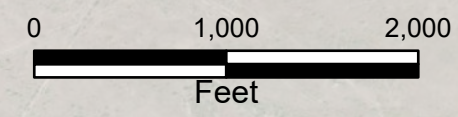
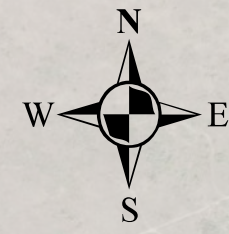
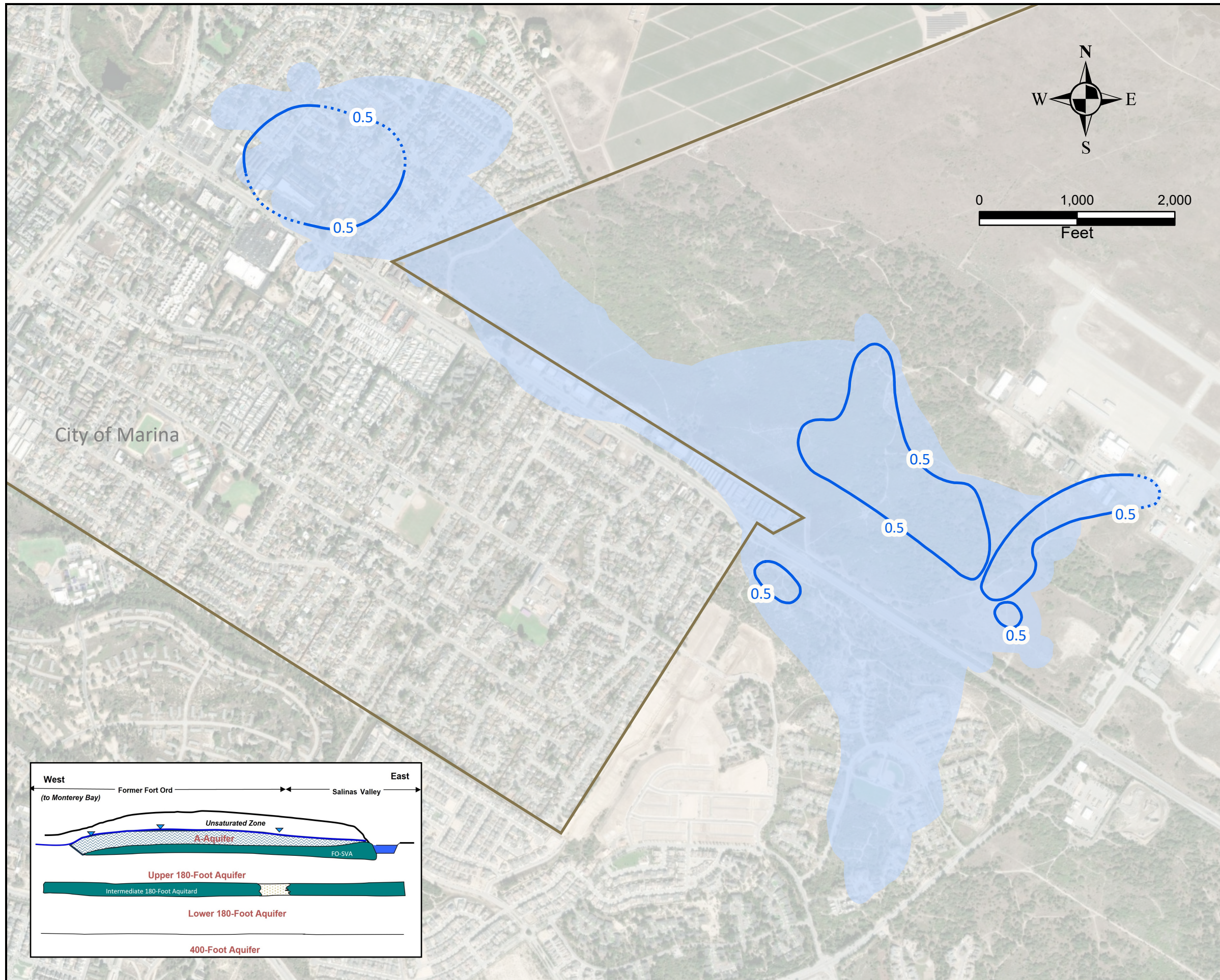
Operable Unit Carbon Tetrachloride Plume Fourth Quarter 2023 through Third Quarter 2024
Groundwater Monitoring Report, Former Fort Ord, California









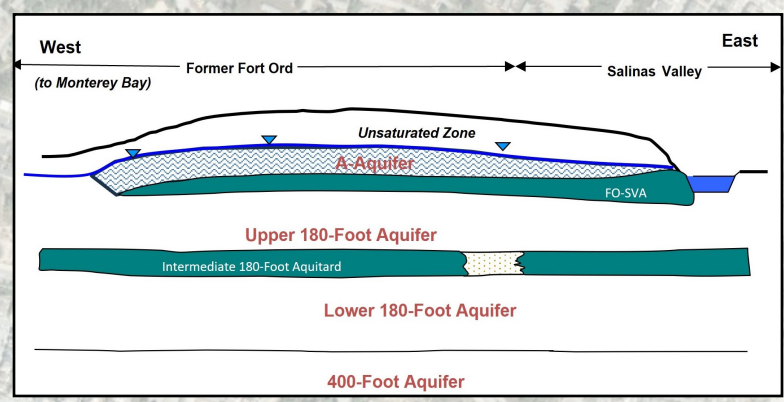


EXPLANATION

- Former Fort Ord boundary
- Chemical of Concern (COC) Aquifer Cleanup Level (ACL) Exceedance Contours in µg/L.**
- 0.5 3Q2024 Carbon tetrachloride (CT) plume extent
- 0.5 3Q2024 Inferred CT plume extent
- 0.5 Historical maximum CT plume extent

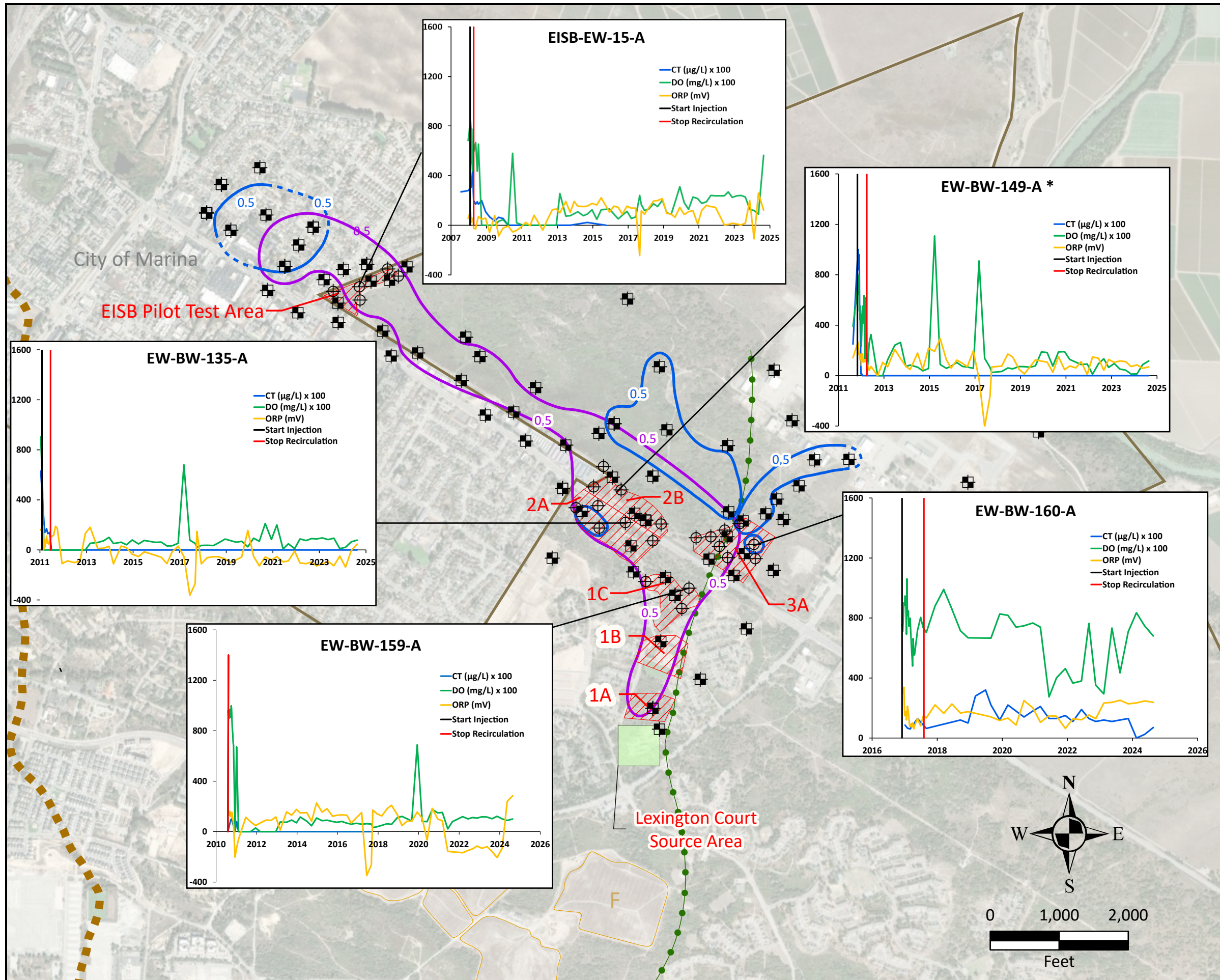
NOTES:

(1) Contours are based on one interpretation of the data that were available at the time this report was prepared; other interpretations may be possible.



CURRENT AND HISTORICAL
MAXIMUM CT ACL EXCEEDANCES
OPERABLE UNIT CARBON TETRACHLORIDE PLUME
A-AQUIFER
SEPTEMBER 2024
Fourth Quarter 2023 - Third Quarter 2024
Groundwater Monitoring Report
Former Fort Ord, California

Service Layer Credits: Source: Esri, Maxar, Earthstar Geographics, and the GIS User Community
Imagery Date: October 27, 2023



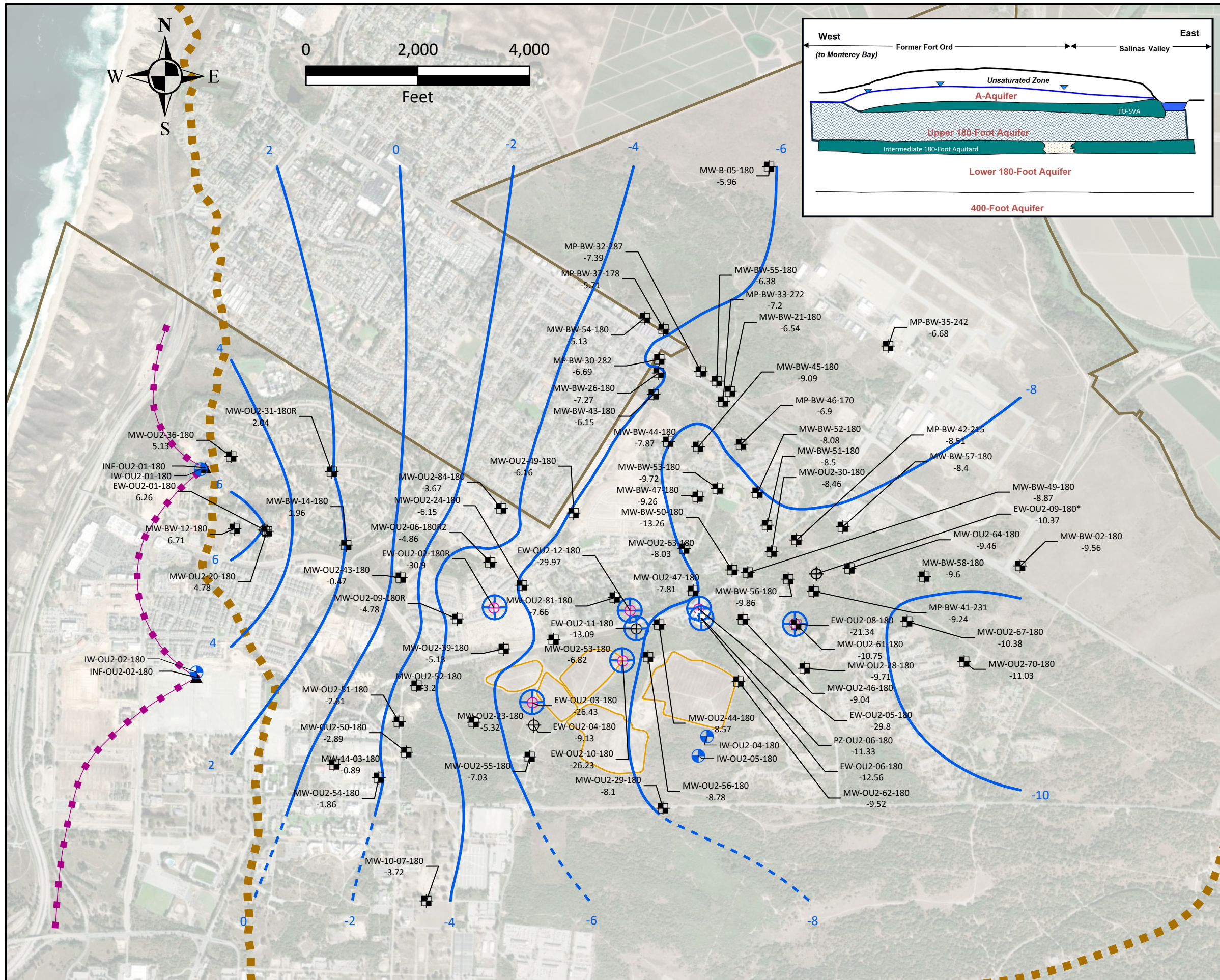
EXPLANATION

- Extraction well
 - Monitoring well
 - Approximate location of the A-Aquifer groundwater divide
 - Approximate edge of Fort Ord - Salinas Valley Aquitard (FO-SVA)
 - Lexington Court source area
 - Enhanced In-Situ Bioremediation (EISB) deployment areas
 - Approximate extent of landfill areas (Areas B through F)
 - Former Fort Ord boundary
- Chemical of Concern (COC) Aquifer Cleanup Level (ACL) exceedance contour in µg/L.**
- 0.5 Carbon tetrachloride (CT) plume extent August 2024
 - 0.5 CT plume extent inferred August 2024
 - 0.5 CT plume extent June 2009

- DO Dissolved Oxygen
- ORP Oxygen Reduction Potential
- mg/L milligrams per Liter
- mv millivolts
- * Anomalous DO reading during 2nd Quarter 2015, due to meter malfunction.

- NOTES:**
- (1) Groundwater samples were collected between August 19, 2024 and August 23, 2024.
 - (2) Contours are based on one interpretation of the data that were available at the time this report was prepared; other interpretations may be possible.
 - (3) Contours based on highest value obtained from multiple bags and/or multiple ports where applicable.
 - (4) Contours near wells not sampled this quarter are inferred from previous analytical data.
 - (5) DO and CT data were normalized (x100) for plotting purposes.

RELATIVE CHANGE IN EISB PARAMETERS OVER TIME AT REPRESENTATIVE DEPLOYMENT AREA WELLS
 A-AQUIFER
 THIRD QUARTER 2024
 Operable Unit Carbon Tetrachloride Plume
 Fourth Quarter 2023 - Third Quarter 2024
 Groundwater Monitoring Report
 Former Fort Ord, California



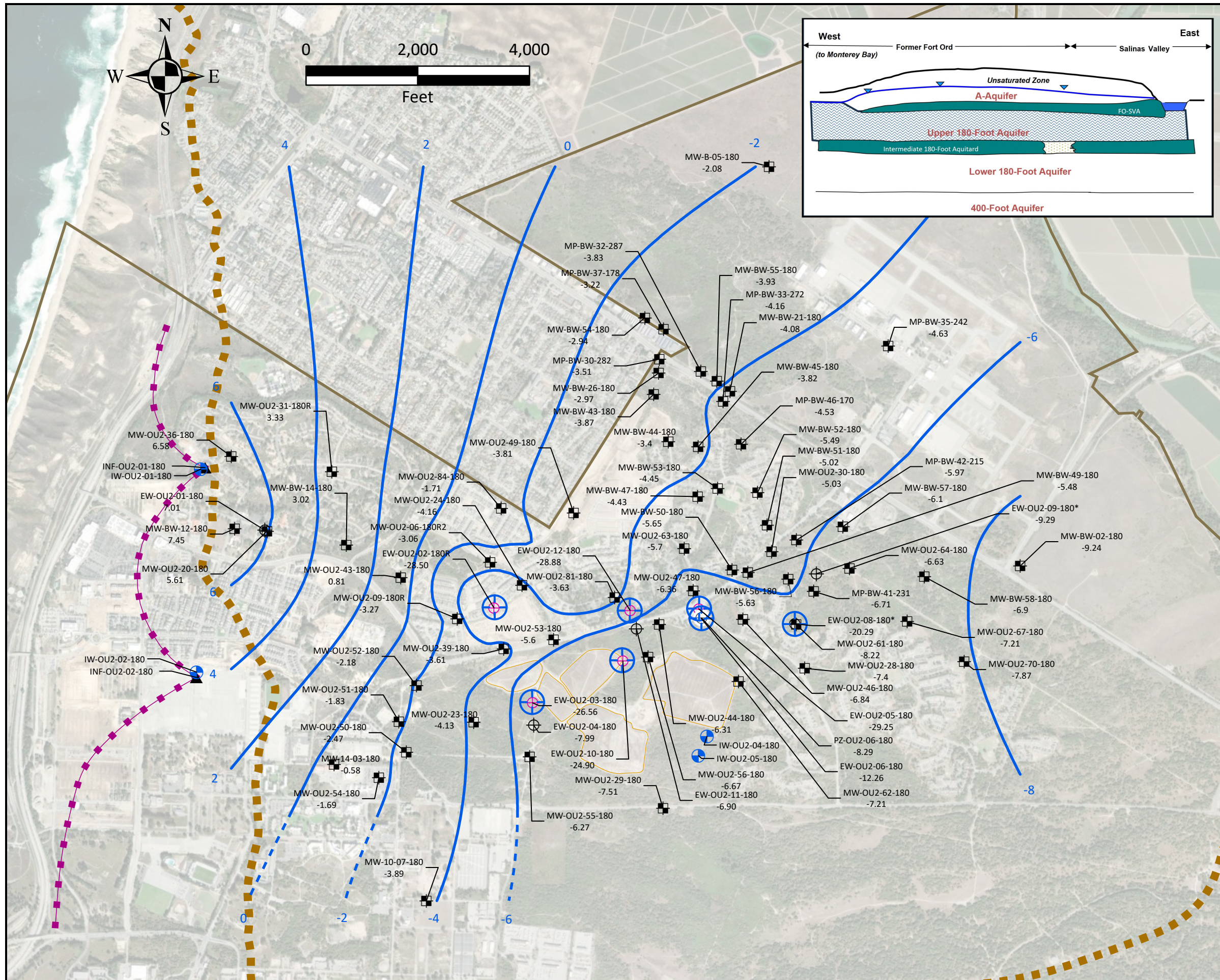
EXPLANATION

- Active extraction well
 - Extraction well
 - Monitoring well
 - Piezometer
 - Infiltration Well
 - Injection well
 - Groundwater elevation contour
 - Groundwater elevation contour inferred
 - Approximate location of the Upper 180-Foot Aquifer groundwater divide
 - Approximate Edge of Fort Ord - Salinas Valley Aquitard (FO-SVA)
 - Approximate extent of landfill areas (Areas B through F)
 - Former Fort Ord boundary
- * Water level not used for contouring
 nm Water level not measured this quarter
- Location of a groundwater depression
- Station ID and Groundwater Elevation (feet)

- Notes:**
- (1) Water levels were measured between November 8, 2023 and December 26, 2023.
 - (2) Groundwater elevation contours are based on one interpretation of the data that was available at the time this report was prepared; other interpretations may be possible.
 - (3) Groundwater elevations are relative to NGVD 1929.
 - (4) Monitoring wells presented are a part of the basewide monitoring network.

GROUNDWATER ELEVATIONS
UPPER 180-FOOT AQUIFER
FOURTH QUARTER 2023
 Operable Unit Carbon Tetrachloride Plume
 Fourth Quarter 2023 - Third Quarter 2024
 Groundwater Monitoring Report
 Former Fort Ord, California

Service Layer Credits: Source: Esri, Maxar, Earthstar Geographics, and the GIS User Community
 Imagery Date: October 27, 2023



EXPLANATION

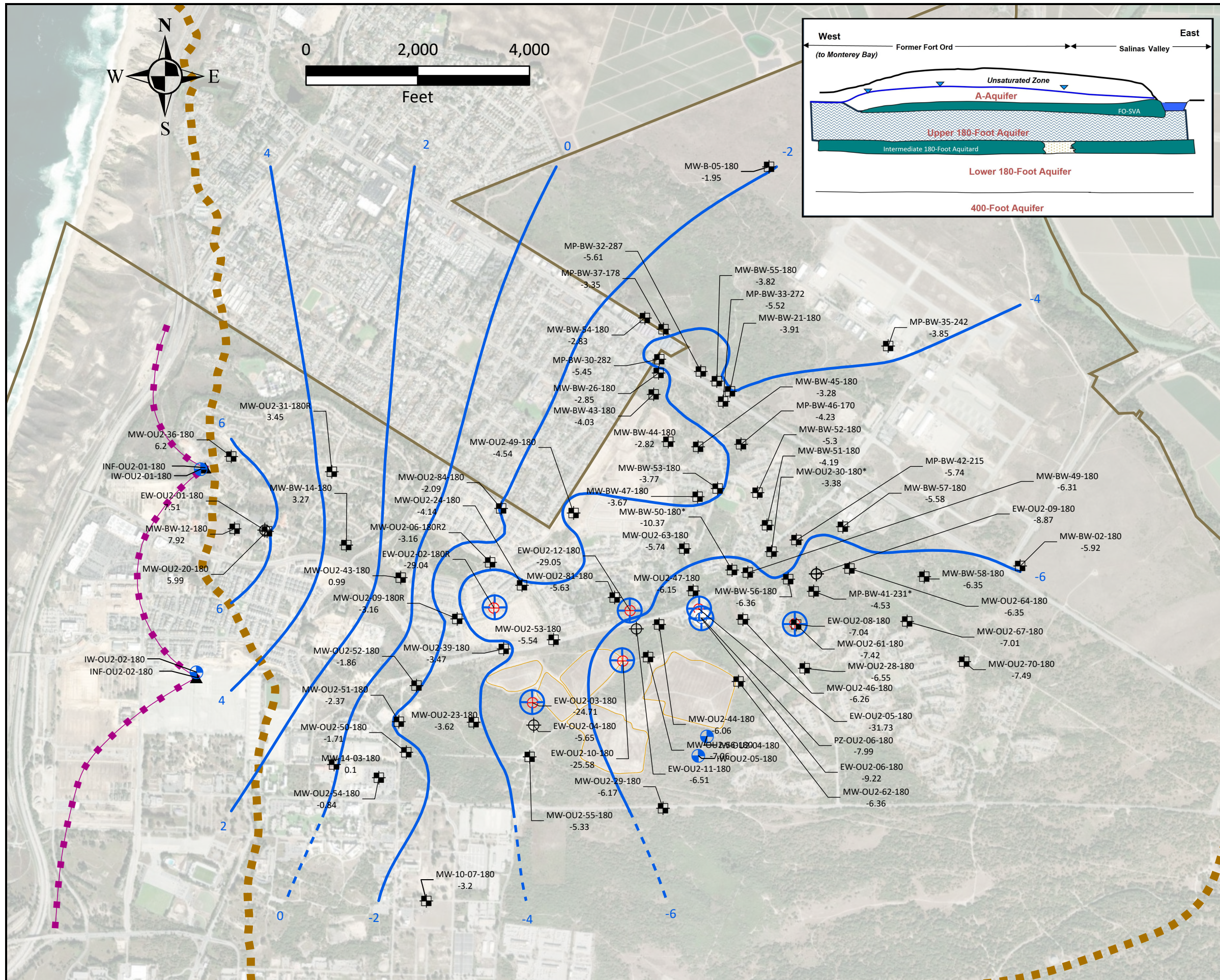
- Active extraction well
- Extraction well
- Monitoring well
- Piezometer
- Infiltration Well
- Injection well
- Groundwater elevation contour
- Groundwater elevation contour inferred
- Approximate location of the Upper 180-Foot Aquifer groundwater divide
- Approximate Edge of Fort Ord - Salinas Valley Aquitard (FO-SVA)
- Approximate extent of landfill areas (Areas B through F)
- Former Fort Ord boundary

* Water level not used for contouring
 nm Water level not measured this quarter
 Location of a groundwater depression
 Station ID and Groundwater Elevation (feet)

- Notes:**
- (1) Water levels were measured between February 12, 2024 and March 14, 2024.
 - (2) Groundwater elevation contours are based on one interpretation of the data that was available at the time this report was prepared; other interpretations may be possible.
 - (3) Groundwater elevations are relative to NGVD 1929.
 - (4) Monitoring wells presented are a part of the basewide monitoring network.

GROUNDWATER ELEVATIONS
 UPPER 180-FOOT AQUIFER
 FIRST QUARTER 2024
 Operable Unit Carbon Tetrachloride Plume
 Fourth Quarter 2023 - Third Quarter 2024
 Groundwater Monitoring Report
 Former Fort Ord, California

Service Layer Credits: Source: Esri, Maxar, Earthstar Geographics, and the GIS User Community
 Imagery Date: October 27, 2023



EXPLANATION

- Active extraction well
- Extraction well
- Monitoring well
- Piezometer
- Infiltration Well
- Injection well
- Groundwater elevation contour
- Groundwater elevation contour inferred
- Approximate location of the Upper 180-Foot Aquifer groundwater divide
- Approximate Edge of Fort Ord - Salinas Valley Aquitard (FO-SVA)
- Approximate extent of landfill areas (Areas B through F)
- Former Fort Ord boundary

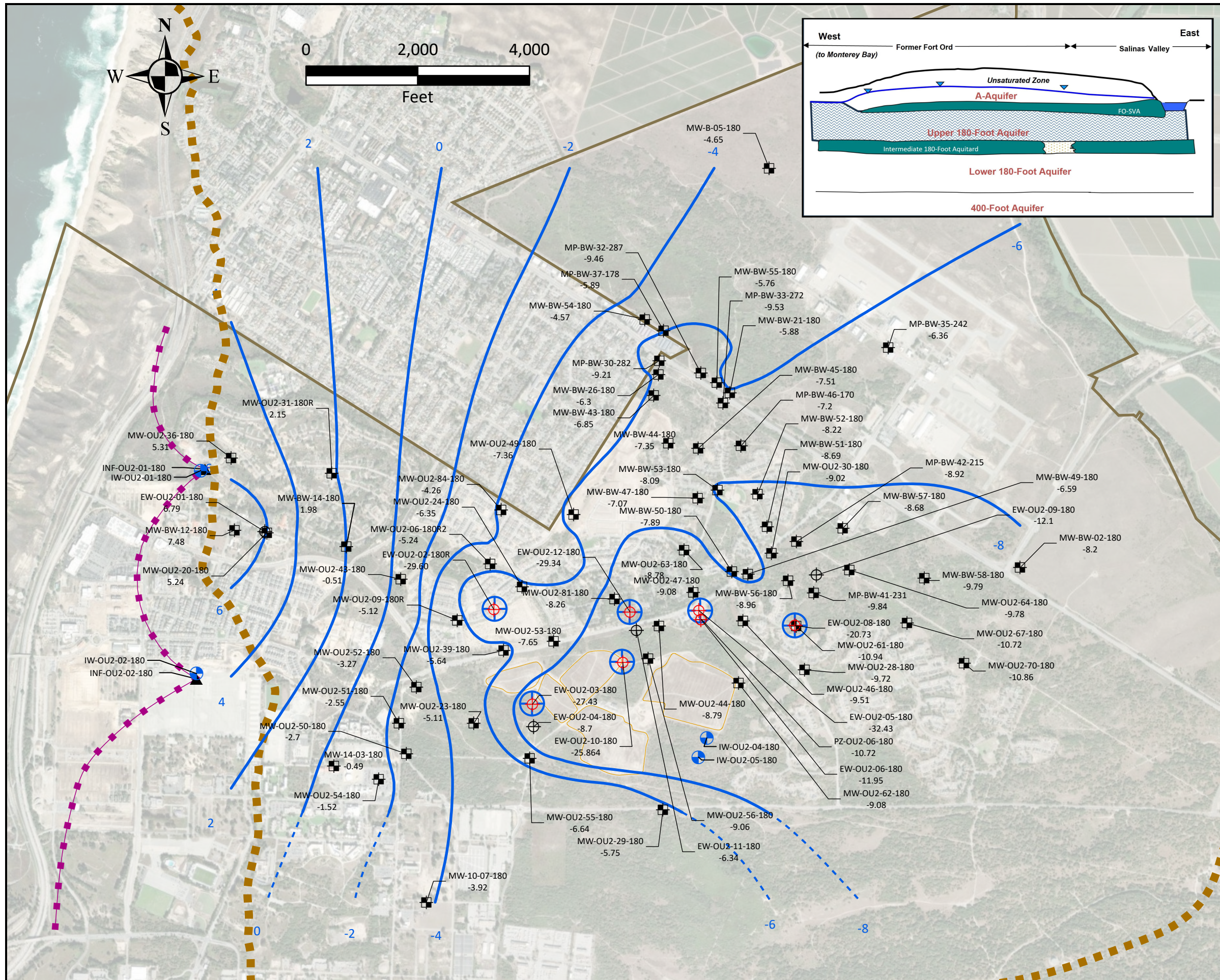
- * Water level not used for contouring
- nm Water level not measured this quarter
- Location of a groundwater depression
- Station ID and Groundwater Elevation (feet)

Notes:

- (1) Water levels were measured between May 7, 2024 and May 16, 2024.
- (2) Groundwater elevation contours are based on one interpretation of the data that was available at the time this report was prepared; other interpretations may be possible.
- (3) Groundwater elevations are relative to NGVD 1929.
- (4) Monitoring wells presented are a part of the basewide monitoring network.

GROUNDWATER ELEVATIONS
UPPER 180-FOOT AQUIFER
SECOND QUARTER 2024
 Operable Unit Carbon Tetrachloride Plume
 Fourth Quarter 2023 - Third Quarter 2024
 Groundwater Monitoring Report
 Former Fort Ord, California

Service Layer Credits: Source: Esri, Maxar, Earthstar Geographics, and the GIS User Community
 Imagery Date: October 27, 2023



EXPLANATION

- Active extraction well
- Extraction well
- Monitoring well
- Piezometer
- Infiltration Well
- Injection well
- Groundwater elevation contour
- Groundwater elevation contour inferred
- Approximate location of the Upper 180-Foot Aquifer groundwater divide
- Approximate Edge of Fort Ord - Salinas Valley Aquitard (FO-SVA)
- Approximate extent of landfill areas (Areas B through F)
- Former Fort Ord boundary

- * Water level not used for contouring
- nm Water level not measured this quarter
- Location of a groundwater depression
- Station ID and Groundwater Elevation (feet)

Notes:

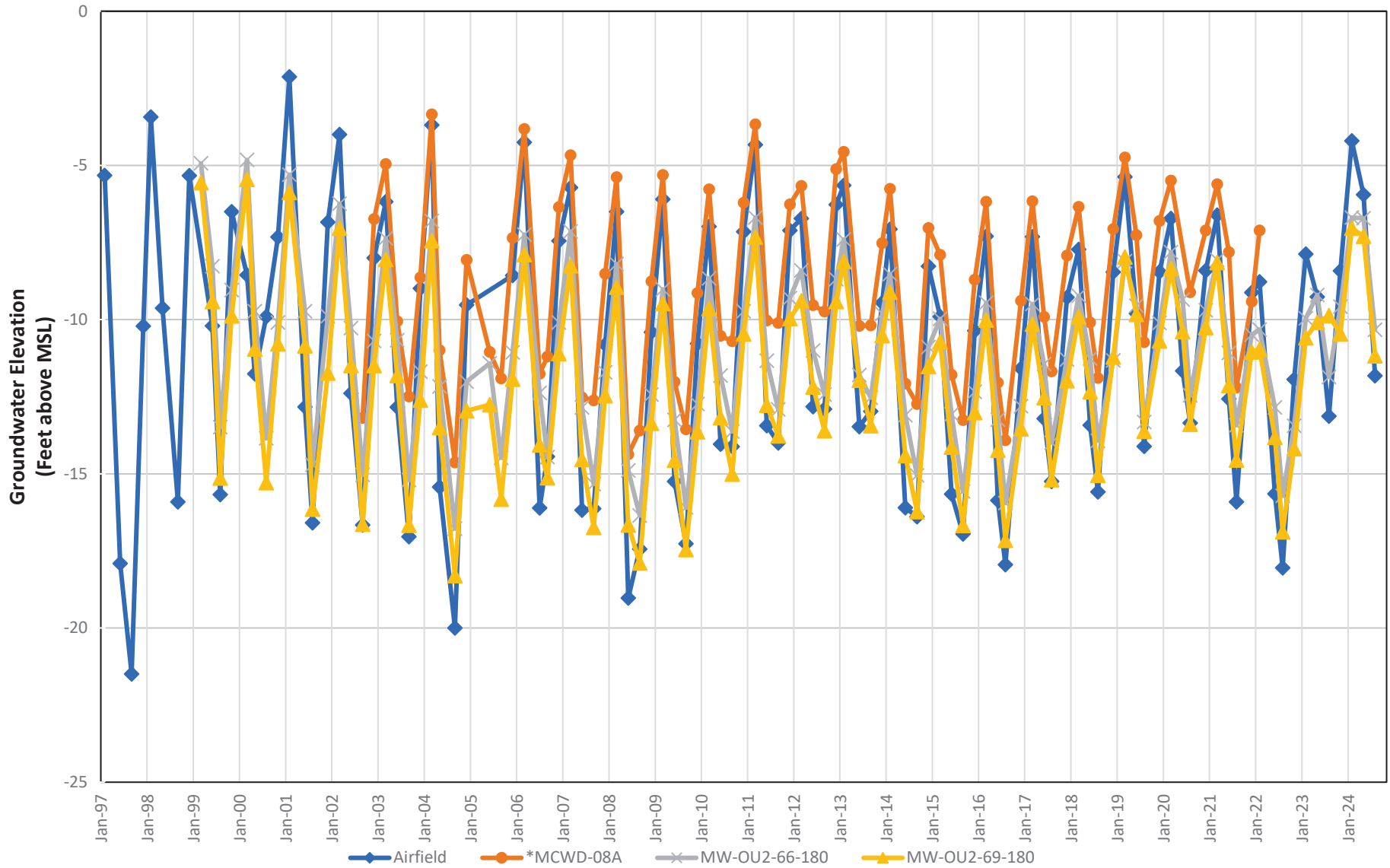
- (1) Water levels were measured between August 19, 2024 and September 27, 2024.
- (2) Groundwater elevation contours are based on one interpretation of the data that was available at the time this report was prepared; other interpretations may be possible.
- (3) Groundwater elevations are relative to NGVD 1929.
- (4) Monitoring wells presented are a part of the basewide monitoring network.

GROUNDWATER ELEVATIONS
UPPER 180-FOOT AQUIFER
THIRD QUARTER 2024
 Operable Unit Carbon Tetrachloride Plume
 Fourth Quarter 2023 - Third Quarter 2024
 Groundwater Monitoring Report
 Former Fort Ord, California

Ahtna

Date: 2/12/2025

Figure: 17



Note: * MCWD-08A was removed from the GWM program after 1Q2022

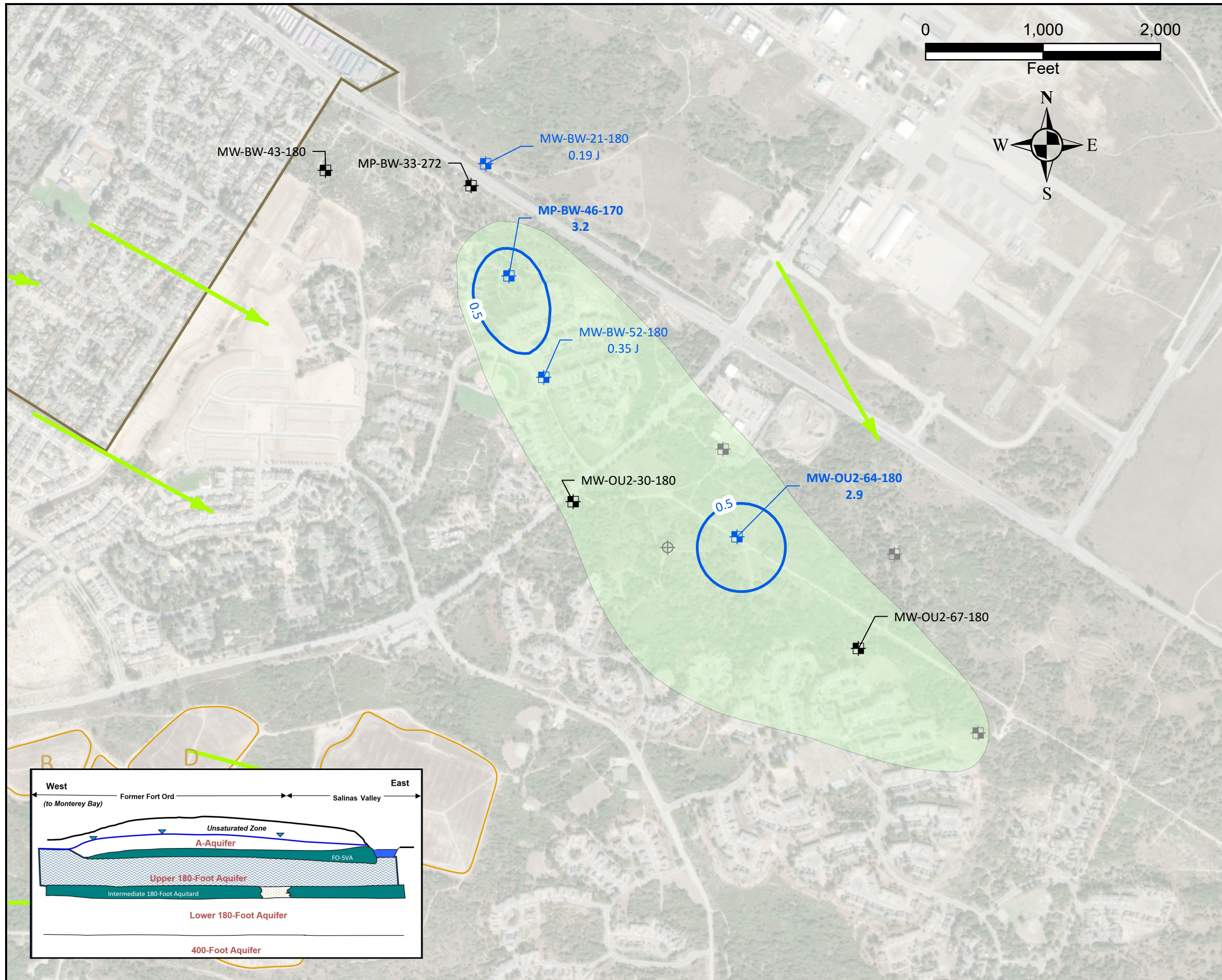


Hydrographs of Representative Upper 180-Footer Aquifer Wells March 1999 to September 2024

Operable Unit Carbon Tetrachloride Plume Fourth Quarter 2023 through Third Quarter 2024
Groundwater Monitoring Report, Former Fort Ord, California

Figure:

18



EXPLANATION

- General groundwater flow direction
- Approximate extent of landfill areas (Areas B through F)
- Former Fort Ord boundary
- Well Type and COC Detection**
 - Extraction well not sampled
 - Monitoring well with carbon tetrachloride (CT) detection
 - Monitoring well with no CT detected
 - Monitoring well not sampled
- Chemical of concern (COC) Aquifer Cleanup Level (ACL) Exceedance Contour in µg/L.**
 - 0.5 CT plume extent
- OUCTP Upper 180-Foot Aquifer Hydraulic Zone**
 - 6

Well ID - Bold When Concentration Exceeds the ACL for CT
MW-OU2-64-180
 2.9
 CT Concentrations (µg/L) and validation/lab qualifier.

NOTES:

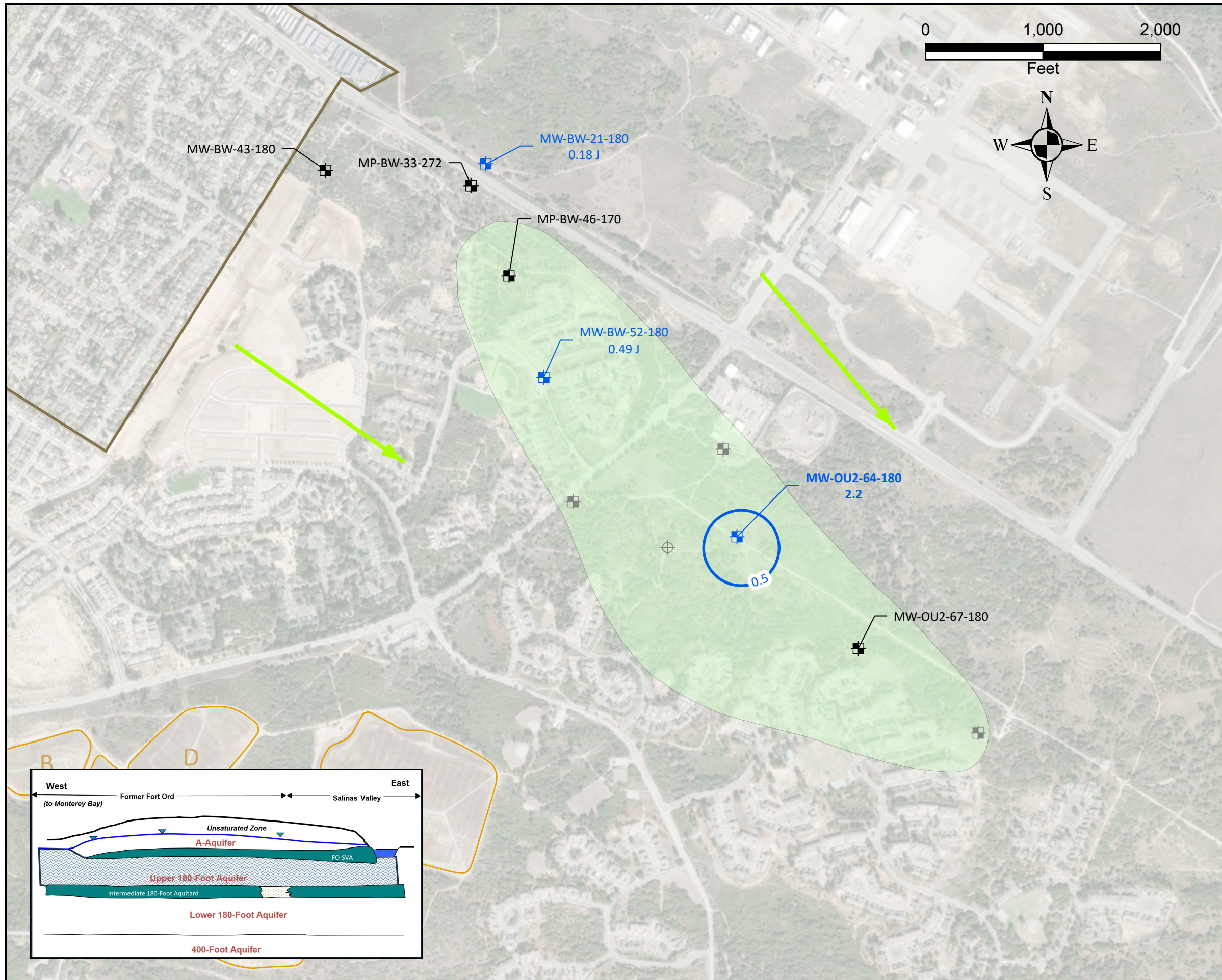
- (1) Samples were collected between November 13, 2023 and November 18, 2023.
- (2) Contours are based on one interpretation of the data that were available at the time this report was prepared; other interpretations may be possible.
- (3) Contours are based on highest value obtained from multiple bags and/or multiple ports were applicable.
- (4) Contours near wells not sampled this quarter are inferred from previous analytical data.

CT CONCENTRATIONS
 UPPER 180-FOOT AQUIFER
 FOURTH QUARTER 2023
 Operable Unit Carbon Tetrachloride Plume
 Fourth Quarter 2023 - Third Quarter 2024
 Groundwater Monitoring Report
 Former Fort Ord, California

Ahtna

Date: 3/5/2025

Figure: 19



EXPLANATION

- General groundwater flow direction
- Approximate extent of landfill areas (Areas B through F)
- Former Fort Ord boundary
- Well Type and COC Detection**
- Extraction well not sampled
- Monitoring well with carbon tetrachloride (CT) detection
- Monitoring well with no CT detected
- Monitoring well not sampled
- Chemical of concern (COC) Aquifer Cleanup Level (ACL) Exceedance Contour in µg/L.**
- 0.5 CT plume extent
- OUCTP Upper 180-Foot Aquifer Hydraulic Zone**
- 6

Well ID - Bold When Concentration Exceeds the ACL for CT
MW-OU2-64-180
 2.2
 CT Concentrations (µg/L) and validation/lab qualifier.

NOTES:

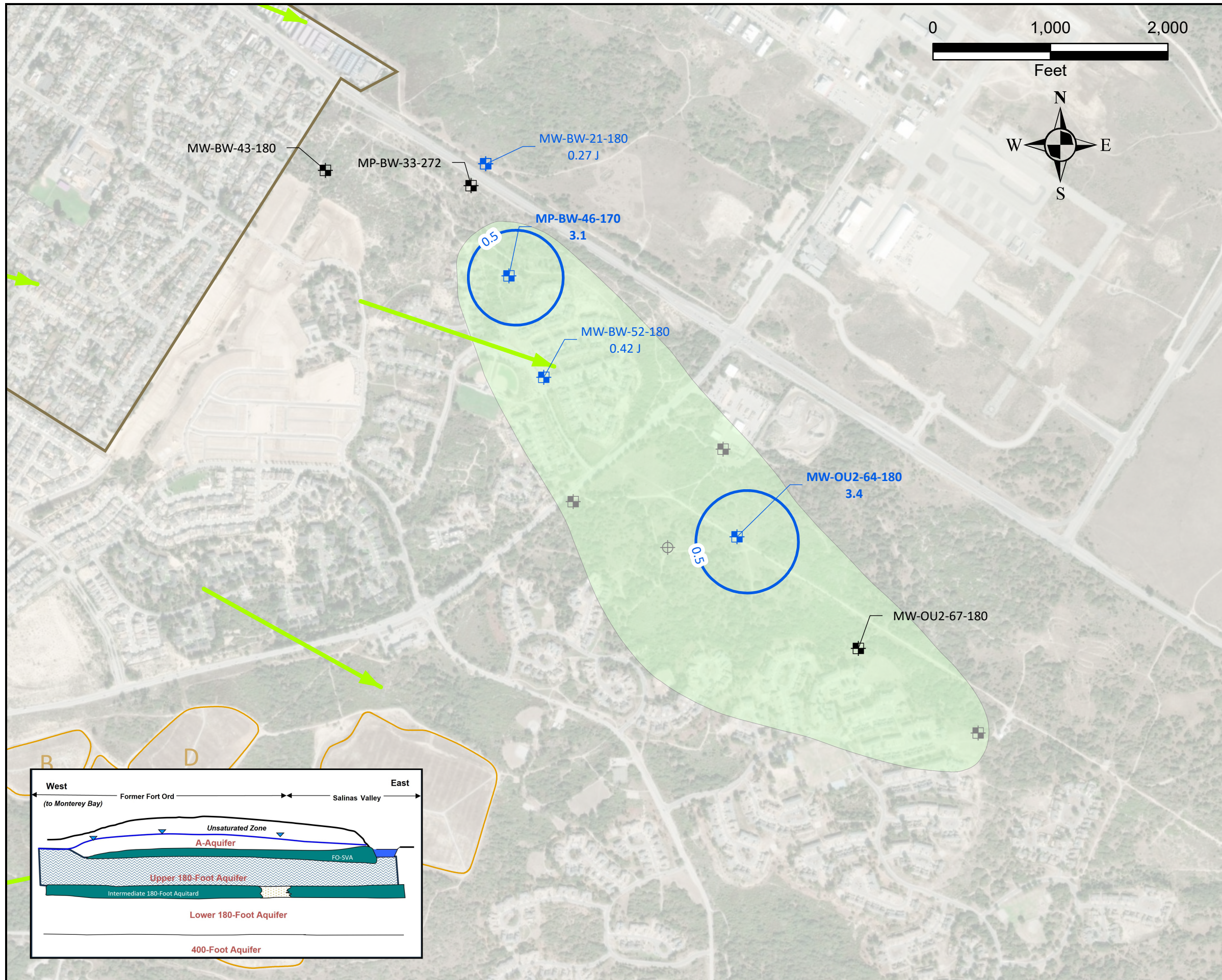
- (1) Samples were collected between February 12, 2024 and February 15, 2023.
- (2) Contours are based on one interpretation of the data that were available at the time this report was prepared; other interpretations may be possible.
- (3) Contours are based on highest value obtained from multiple bags and/or multiple ports were applicable.
- (4) Contours near wells not sampled this quarter are inferred from previous analytical data.

CT CONCENTRATIONS
 UPPER 180-FOOT AQUIFER
 FIRST QUARTER 2024
 Operable Unit Carbon Tetrachloride Plume
 Fourth Quarter 2023 - Third Quarter 2024
 Groundwater Monitoring Report
 Former Fort Ord, California

Ahtna

Date: 3/5/2025

Figure: 20



EXPLANATION

- General groundwater flow direction
- Approximate extent of landfill areas (Areas B through F)
- Former Fort Ord boundary
- Well Type and COC Detection**
 - Extraction well not sampled
 - Monitoring well with carbon tetrachloride (CT) detection
 - Monitoring well with no CT detected
 - Monitoring well not sampled
- Chemical of Concern (COC) Aquifer Cleanup Level (ACL) Exceedance Contour in µg/L.**
 - 0.5 CT plume extent
- OUCTP Upper 180-Foot Aquifer Hydraulic Zone**
 - 6

Well ID - Bold When Concentration Exceeds the ACL for CT
MW-OU2-64-180
 3.4
 CT Concentrations (µg/L) and validation/lab qualifier.

NOTES:

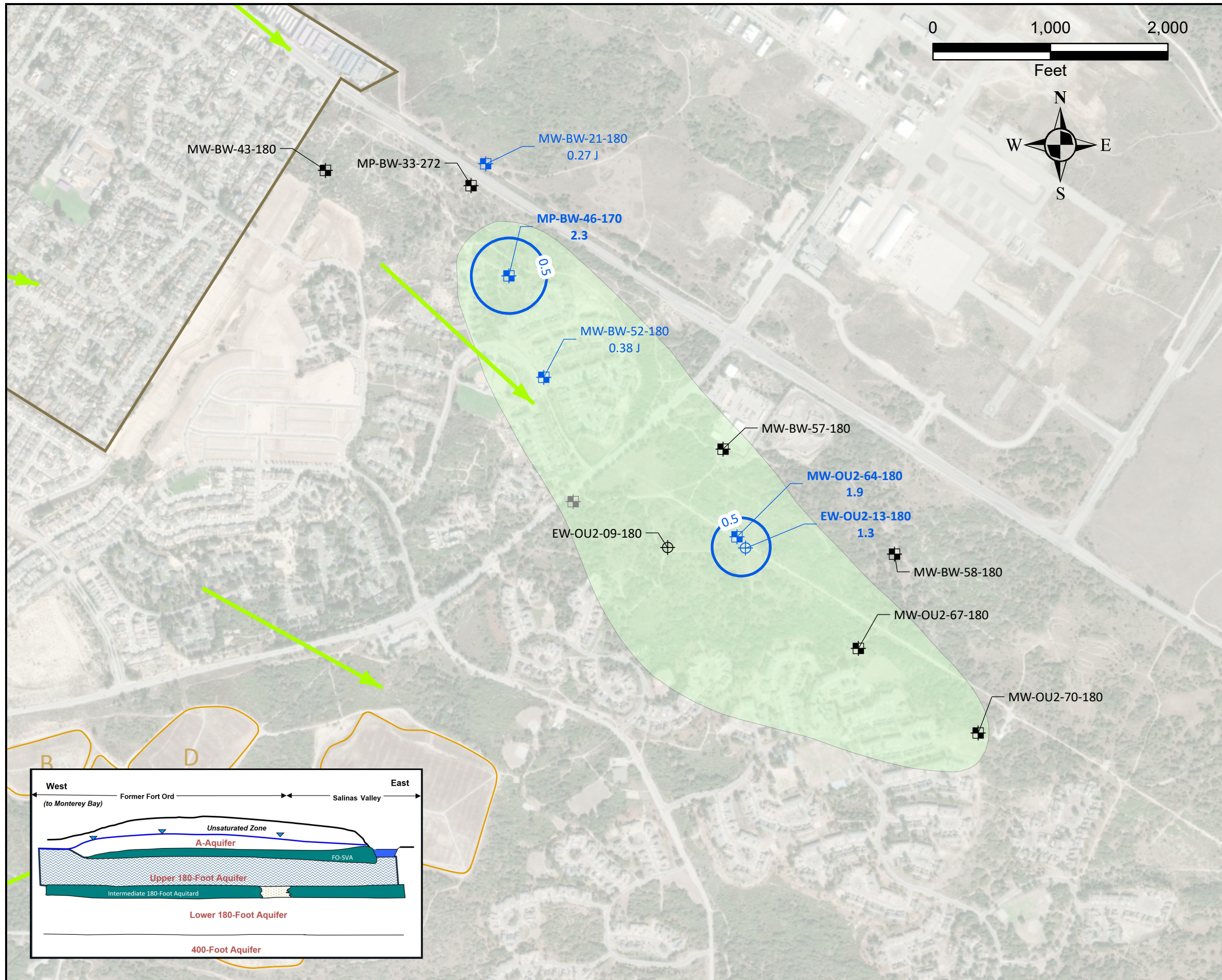
- (1) Samples were collected between May 13, 2024 and May 16, 2024.
- (2) Contours are based on one interpretation of the data that were available at the time this report was prepared; other interpretations may be possible.
- (3) Contours are based on highest value obtained from multiple bags and/or multiple ports were applicable.
- (4) Contours near wells not sampled this quarter are inferred from previous analytical data.

CT CONCENTRATIONS
 UPPER 180-FOOT AQUIFER
 SECOND QUARTER 2024
 Operable Unit Carbon Tetrachloride Plume
 Fourth Quarter 2023 - Third Quarter 2024
 Groundwater Monitoring Report
 Former Fort Ord, California

Ahtna

Date: 3/5/2025

Figure: 21



EXPLANATION

- General groundwater flow direction
- Approximate extent of landfill areas (Areas B through F)
- Former Fort Ord boundary

Well Type and COC Detection

- Extraction well with carbon tetrachloride (CT) detection
- Extraction well with no CT detected
- Monitoring well with CT detection
- Monitoring well with no CT detected
- Monitoring well not sampled

Chemical of Concern (COC) Aquifer Cleanup Level (ACL) Exceedance Contour in µg/L.

0.5 CT plume extent

OU2P Upper 180-Foot Aquifer Hydraulic Zone

6

Well ID - Bold When Concentration Exceeds the ACL for CT

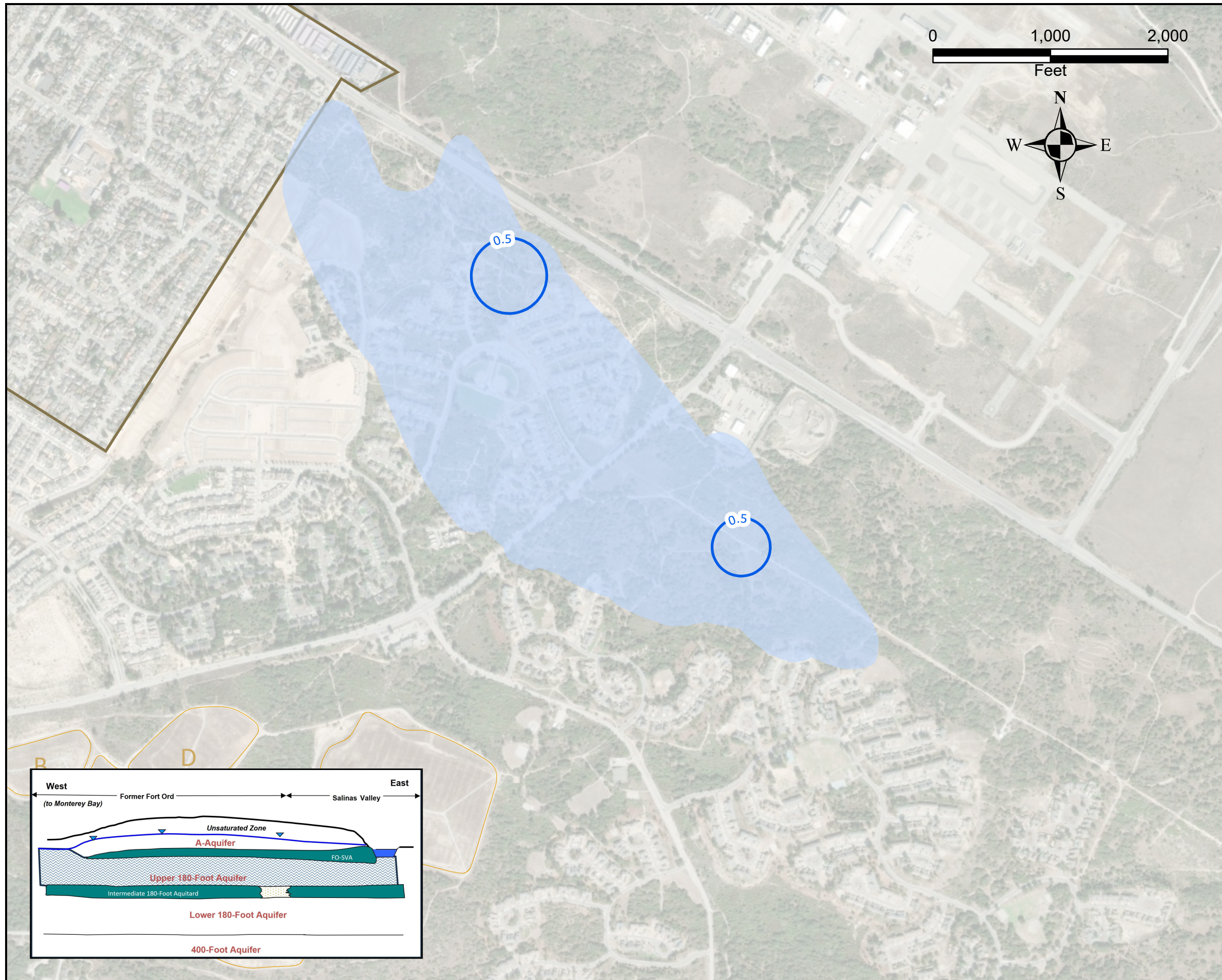
MW-OU2-64-180
1.9
CT Concentrations (µg/L) and validation/lab qualifier.

NOTES:





- (1) Samples were collected between August 19, 2024 and August 23, 2024.
- (2) Contours are based on one interpretation of the data that were available at the time this report was prepared; other interpretations may be possible.
- (3) Contours are based on highest value obtained from multiple bags and/or multiple ports were applicable.
- (4) Contours near wells not sampled this quarter are inferred from previous analytical data.

CT CONCENTRATIONS
UPPER 180-FOOT AQUIFER
THIRD QUARTER 2024
Operable Unit Carbon Tetrachloride Plume
Fourth Quarter 2023 - Third Quarter 2024
Groundwater Monitoring Report
Former Fort Ord, California

	Date: 3/5/2025	Figure: 22
--	----------------	------------



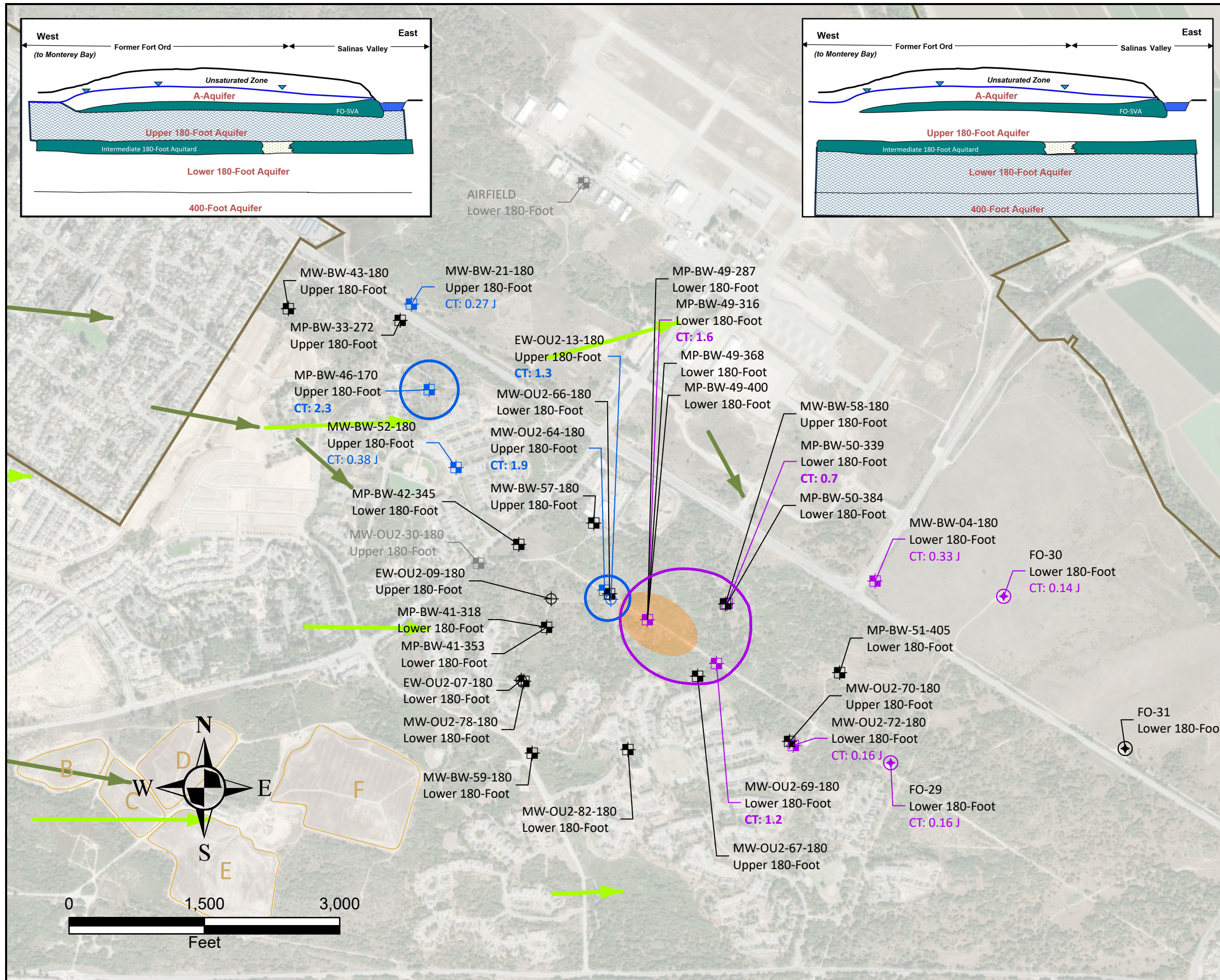
EXPLANATION

-  Approximate extent of landfill areas (Areas B through F)
-  Former Fort Ord boundary
- Chemical of Concern (COC) Aquifer Cleanup Level (ACL) Exceedance Contour in µg/L.**
- 0.5  Carbon tetrachloride (CT) plume extent
- 0.5  Historical maximum CT plume extent

NOTES:
 (1) Contours are base on one interpretation of the data that were available at the time this report was prepared; other interpretations may be possible.

CURRENT AND HISTORICAL
 MAXIMUM CT ACL EXCEEDANCES
 UPPER 180-FOOT AQUIFER
 SEPTEMBER 2024
 Operable Unit Carbon Tetrachloride Plume
 Fourth Quarter 2023 - Third Quarter 2024
 Groundwater Monitoring Report
 Former Fort Ord, California

Service Layer Credits: Source: Esri, Maxar, Earthstar Geographics, and the GIS User Community
 Imagery Date: October 27, 2023



EXPLANATION

- General groundwater flow direction in the Lower 180-Foot Aquifer
- General groundwater flow direction in the Upper 180-Foot Aquifer
- Suspected discontinuity in the Intermediate 180-Foot Aquitard
- Approximate extent of landfill areas (Areas B through F)
- Former Fort Ord boundary

Well Type and COC Detection

- Upper 180-Foot Aquifer extraction well: CT detected
- Extraction well: no CT detected
- Upper 180-Foot Aquifer monitoring well: CT detected
- Lower 180-Foot Aquifer monitoring well: CT detected
- Monitoring well: no CT detected
- Monitoring well: not sampled
- Lower 180-Foot Aquifer Marina Coast Water District supply well: CT detected
- Lower 180-Foot Aquifer Marina Coast Water District supply well: no CT detected

3Q2024 Chemical of Concern (COC) Aquifer Cleanup Level (ACL) exceedance contours in µg/L.

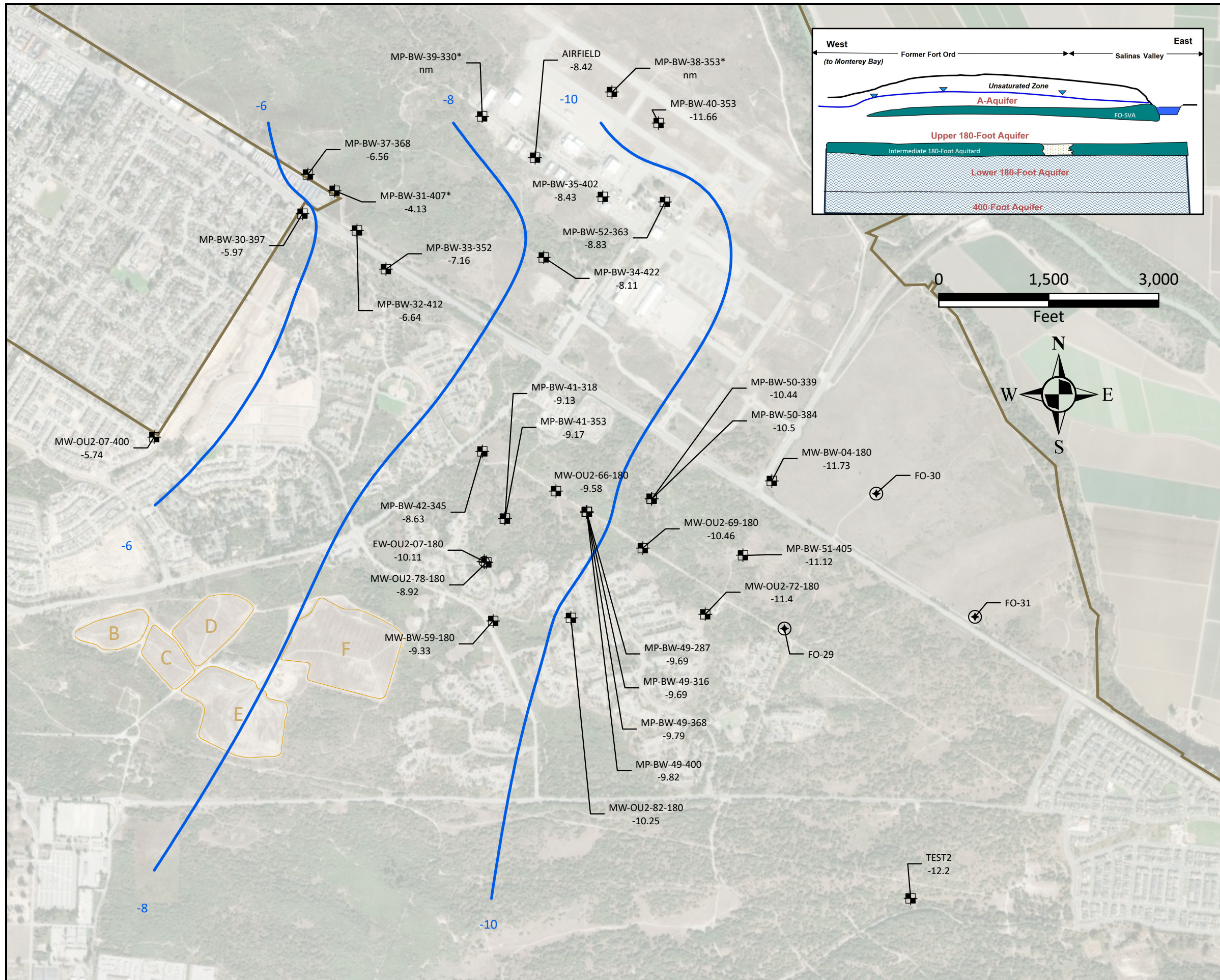
- 0.5 OUCTP Upper 180-Foot Aquifer CT plume extent
- 0.5 OUCTP Lower 180-Foot Aquifer CT plume extent

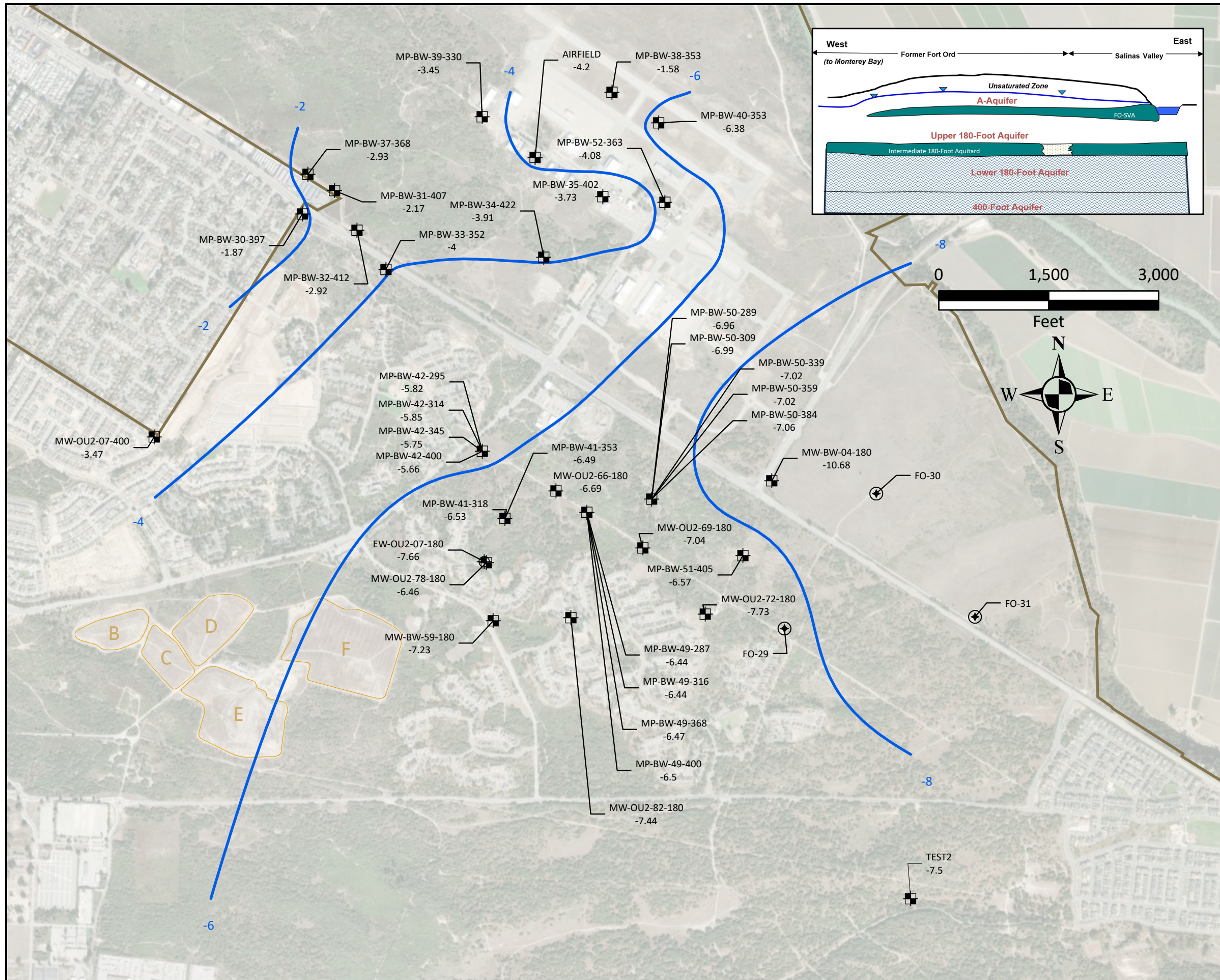
MP-BW-49-316 Lower 180-Foot
 Well ID and Aquifer
 Concentration in µg/L and validation/lab qualifier. (blue indicates Upper 180-Foot Aquifer; pink indicates Lower 180-Foot Aquifer)
CT: 2.5

NOTES:
 CT Bold when COC exceeds the ACL.
 (1) Groundwater samples were collected between August 14, 2023 and August 18, 2023.
 (2) Contour is based on one interpretation of the data that was available at the time this report was prepared; other interpretations may be possible.
 (3) Contour based on highest value obtained from multiple bags and/or multiple ports where applicable.

CT CONCENTRATIONS
 UPPER 180-FOOT AND
 LOWER 180-FOOT/400-FOOT AQUIFERS
 THIRD QUARTER 2024
 Operable Unit Carbon Tetrachloride Plume
 Fourth Quarter 2023- Third Quarter 2024
 Groundwater Monitoring Report
 Former Fort Ord, California

Ahtna Date: 2/12/2025 Figure: 24





EXPLANATION

- Extraction well
- Marina Coast active supply well
- Monitoring well
- Groundwater elevation contour
- Approximate extent of landfill areas (Areas B through F)
- Former Fort Ord boundary

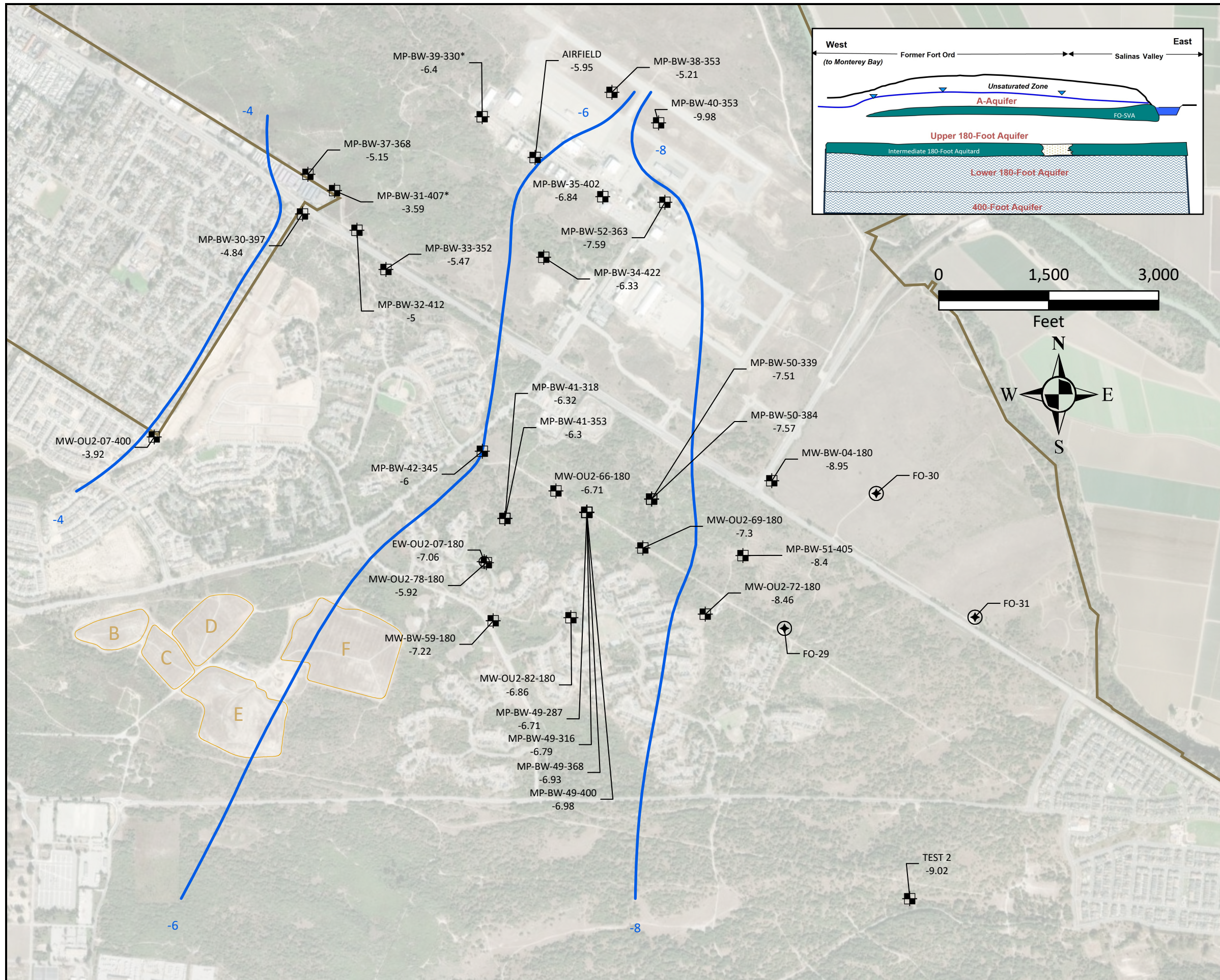
* Water level not used for contouring
 nm Water level was not measured during this quarter

MW-BW-04-180 -11.73 Well ID and water-level elevation (feet)

- NOTES:**
- (1) Water Levels were measured between February 12, 2024 and February 17, 2024.
 - (2) Groundwater elevation contours are based on one interpretation of the data that were available at the time this report was prepared; other interpretations may be possible.
 - (3) The average groundwater elevation from all ports screened within the Lower 180/400-Foot Aquifer was used for contouring MP-BW-30 through MP-BW-52.
 - (4) Groundwater elevations are based on NGVD 1929.

GROUNDWATER ELEVATIONS
 LOWER 180-FOOT/400-FOOT AQUIFERS
 FIRST QUARTER 2024
 Operable Unit Carbon Tetrachloride Plume
 Fourth Quarter 2023 - Third Quarter 2024
 Groundwater Monitoring Report
 Former Fort Ord, California

Service Layer Credits: Source: Esri, Maxar, Earthstar Geographics, and the GIS User Community
 Imagery Date: October 27, 2023



EXPLANATION

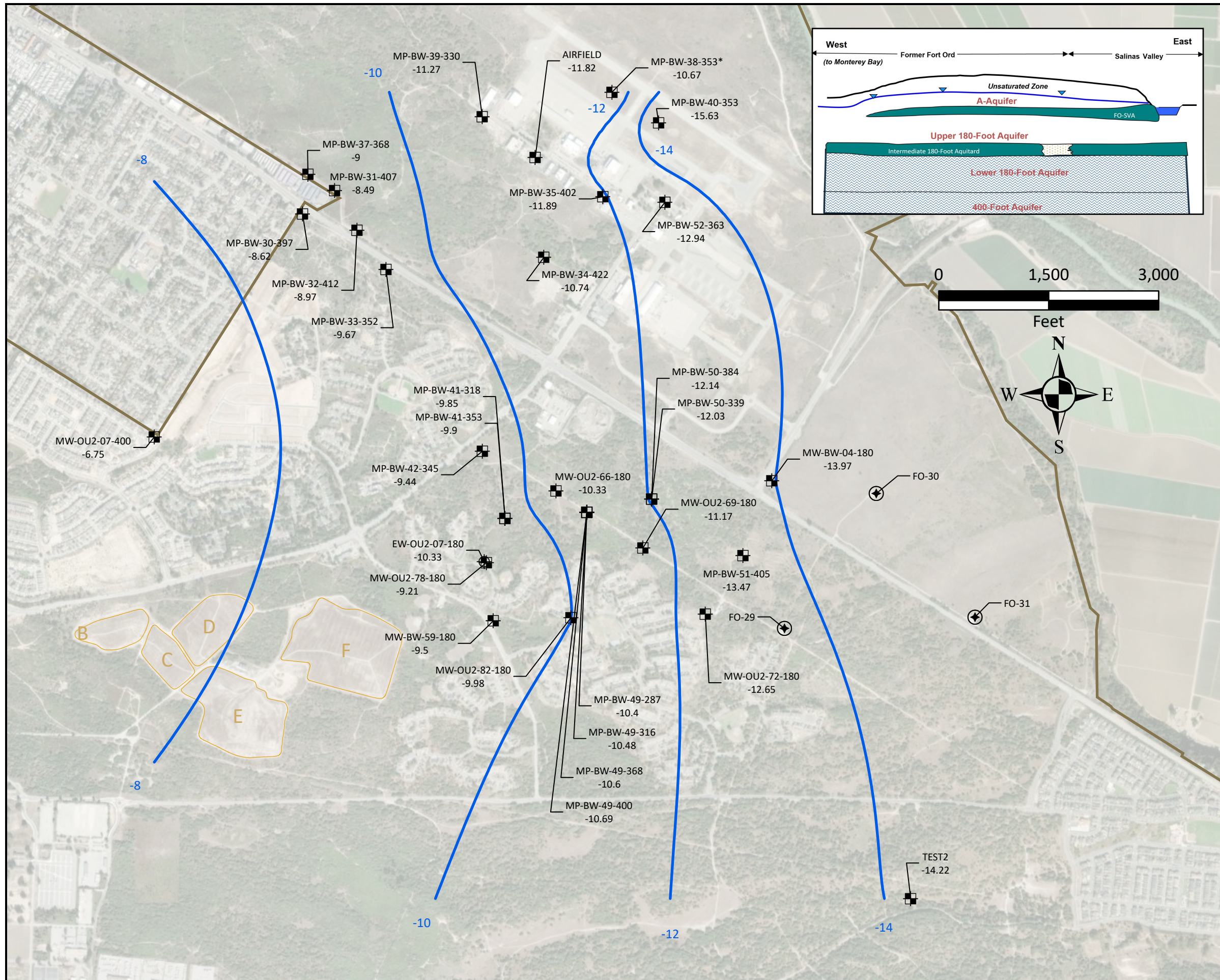
- Extraction well
- Marina Coast active supply well
- Monitoring well
- Groundwater elevation contour
- Approximate extent of landfill areas (Areas B through F)
- Former Fort Ord boundary

* Water level not used for contouring
 nm Water level was not measured during this quarter
 MW-BW-04-180 -8.95 Well ID and water-level elevation (feet)

- NOTES:**
- (1) Water Levels were measured between May 13, 2024 and May 30, 2024.
 - (2) Groundwater elevation contours are based on one interpretation of the data that were available at the time this report was prepared; other interpretations may be possible.
 - (3) The average groundwater elevation from all ports screened within the Lower 180/400-Foot Aquifer was used for contouring MP-BW-30 through MP-BW-52.
 - (4) Groundwater elevations are based on NGVD 1929.

GROUNDWATER ELEVATIONS
 LOWER 180-FOOT/400-FOOT AQUIFERS
 SECOND QUARTER 2024
 Operable Unit Carbon Tetrachloride Plume
 Fourth Quarter 2023 - Third Quarter 2024
 Groundwater Monitoring Report
 Former Fort Ord, California

Service Layer Credits: Source: Esri, Maxar, Earthstar Geographics, and the GIS User Community
 Imagery Date: October 27, 2023



EXPLANATION

- Extraction well
- Marina Coast active supply well
- Monitoring well
- Groundwater elevation contour
- Approximate extent of landfill areas (Areas B through F)
- Former Fort Ord boundary

* Water level not used for contouring
 nm Water level was not measured during this quarter
 MW-BW-04-180
 -13.97 Well ID and water-level elevation (feet)

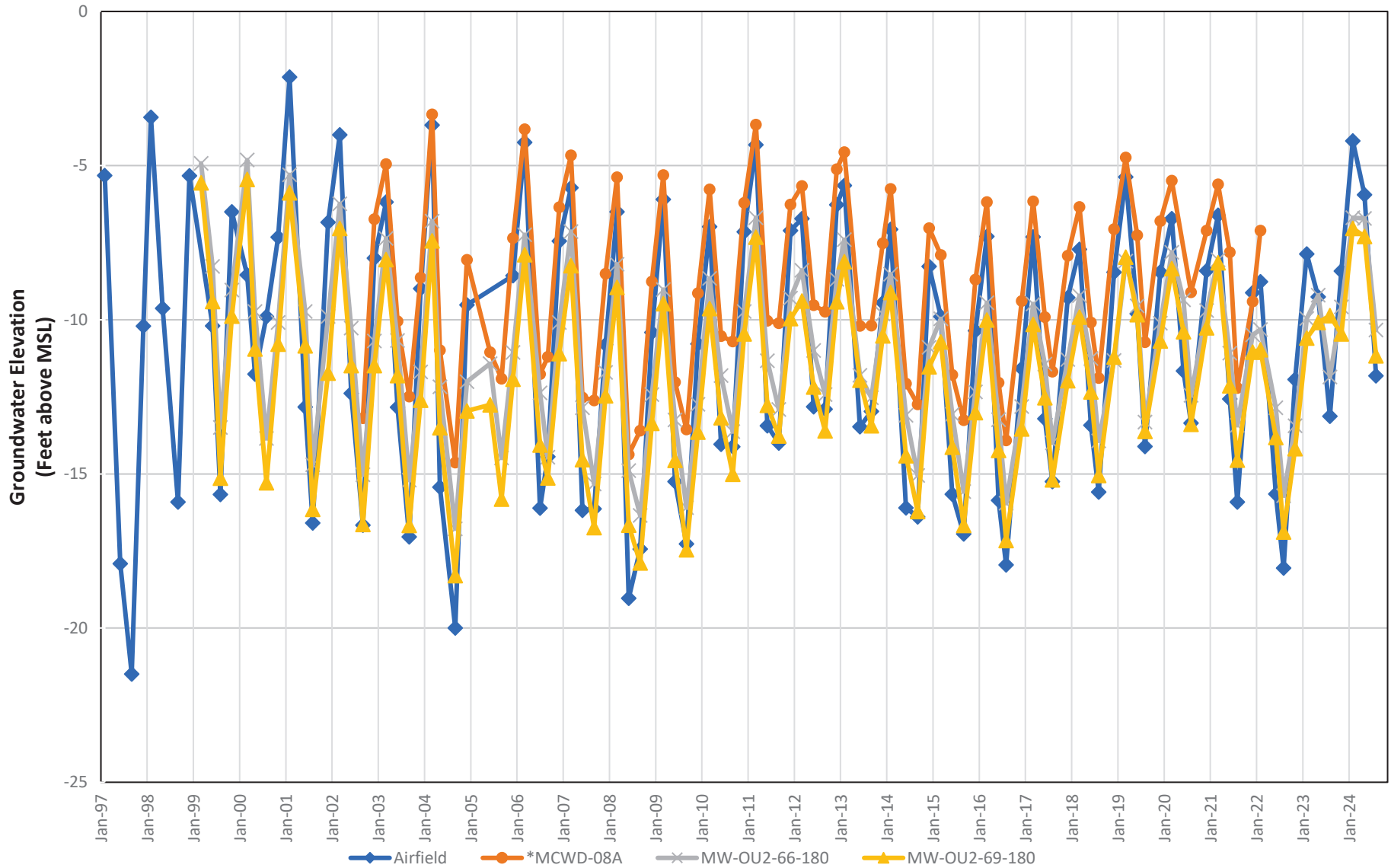
- NOTES:**
- (1) Water Levels were measured between August 19, 2024 and August 25, 2024.
 - (2) Groundwater elevation contours are based on one interpretation of the data that were available at the time this report was prepared; other interpretations may be possible.
 - (3) The average groundwater elevation from all ports screened within the Lower 180/400-Foot Aquifer was used for contouring MP-BW-30 through MP-BW-52.
 - (4) Groundwater elevations are based on NGVD 1929.

GROUNDWATER ELEVATIONS
 LOWER 180-FOOT/400-FOOT AQUIFERS
 THIRD QUARTER 2024
 Operable Unit Carbon Tetrachloride Plume
 Fourth Quarter 2023 - Third Quarter 2024
 Groundwater Monitoring Report
 Former Fort Ord, California

Ahtna

Date: 2/12/2025

Figure: 28



Note: * MCWD-08A was removed from the GWM program after 1Q2022

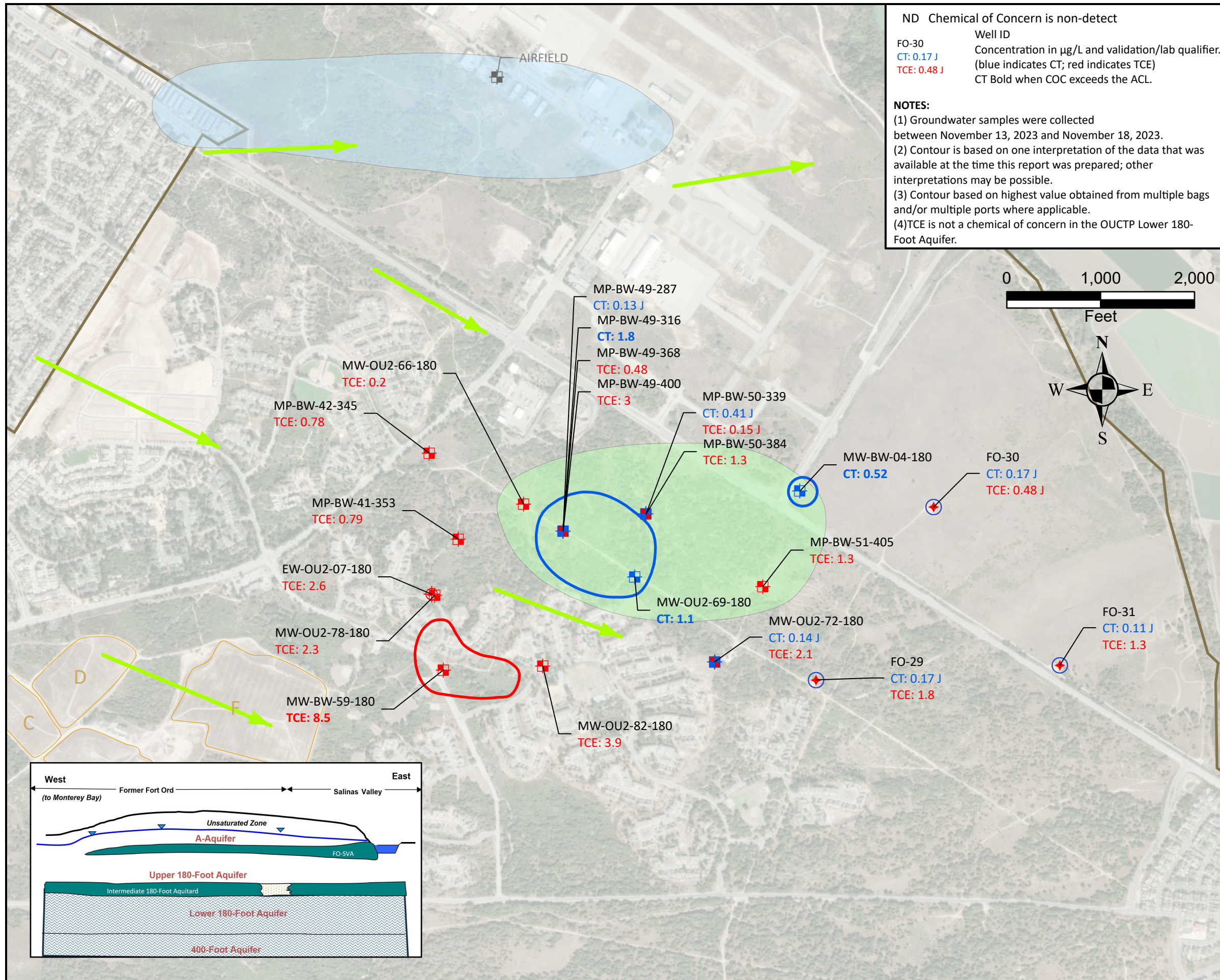


Hydrographs of Representative Lower 180-Foot Aquifer Wells February 1997 to September 2024

Operable Unit Carbon Tetrachloride Plume Fourth Quarter 2023 through Third Quarter 2024
Groundwater Monitoring Report, Former Fort Ord, California

Figure:

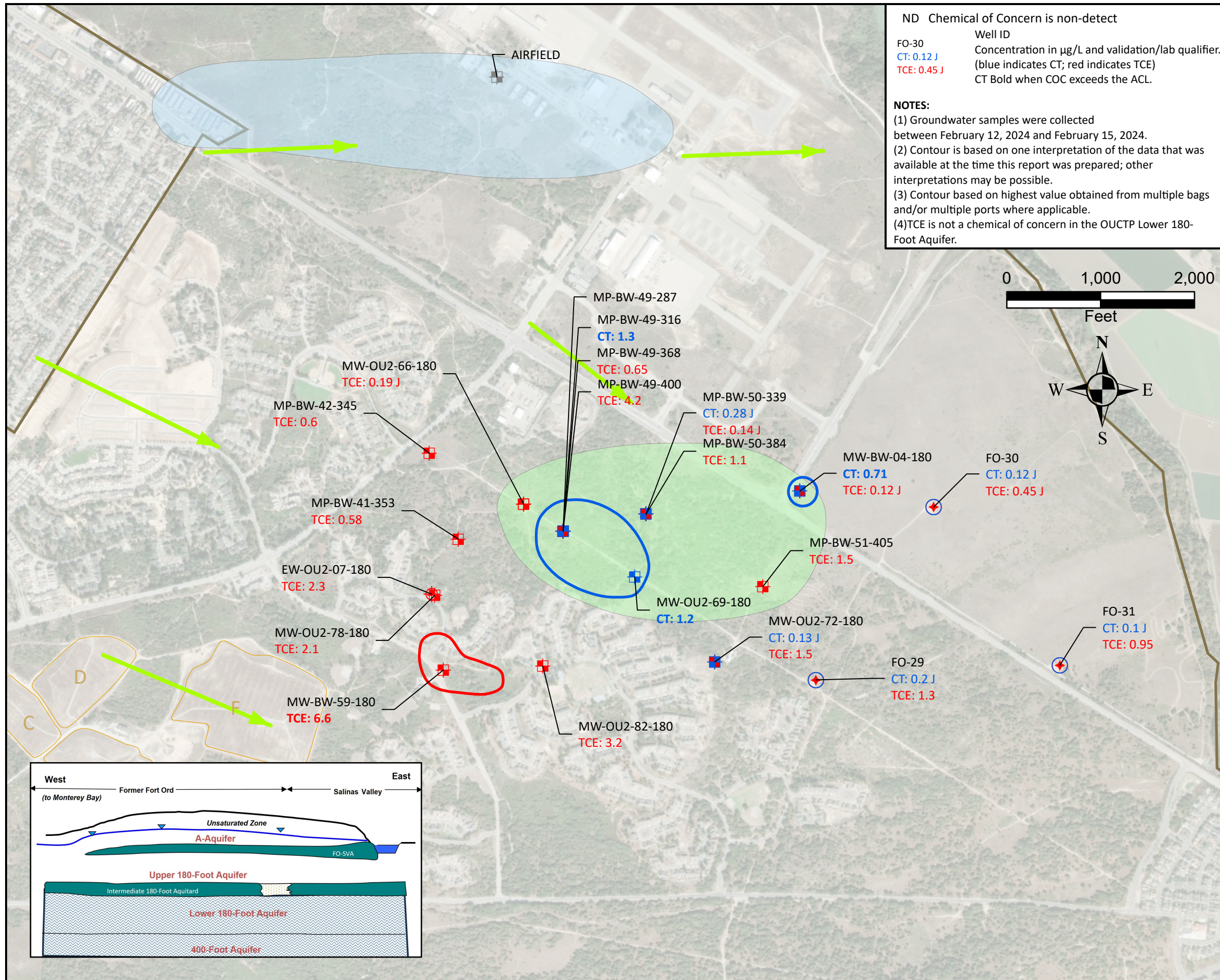
29



**CT AND TCE CONCENTRATIONS
LOWER 180-FOOT/400-FOOT AQUIFERS
FOURTH QUARTER 2023**

Operable Unit Carbon Tetrachloride Plume
Fourth Quarter 2023 - Third Quarter 2024
Groundwater Monitoring Report
Former Fort Ord, California

Ahtna Date: 2/12/2025 Figure: 30



ND Chemical of Concern is non-detect
 Well ID
 FO-30 Concentration in $\mu\text{g/L}$ and validation/lab qualifier.
 CT: 0.12 J (blue indicates CT; red indicates TCE)
 TCE: 0.45 J
 CT Bold when COC exceeds the ACL.

NOTES:
 (1) Groundwater samples were collected between February 12, 2024 and February 15, 2024.
 (2) Contour is based on one interpretation of the data that was available at the time this report was prepared; other interpretations may be possible.
 (3) Contour based on highest value obtained from multiple bags and/or multiple ports where applicable.
 (4) TCE is not a chemical of concern in the OUCTP Lower 180-Foot Aquifer.

EXPLANATION

General groundwater flow direction

Approximate extent of landfill areas (Areas B through F)

Former Fort Ord boundary

Monitoring well with CT detection

- Marina Coast active supply well with trichloroethene (TCE) and carbon tetrachloride (CT) detected
- Extraction well with TCE detected
- Monitoring well with TCE detected
- Monitoring well with CT detected
- Monitoring well with CT and TCE detected
- Monitoring well not sampled

Chemical of Concern (COC) Aquifer Cleanup Level (ACL) Exceedance Contour in $\mu\text{g/L}$.

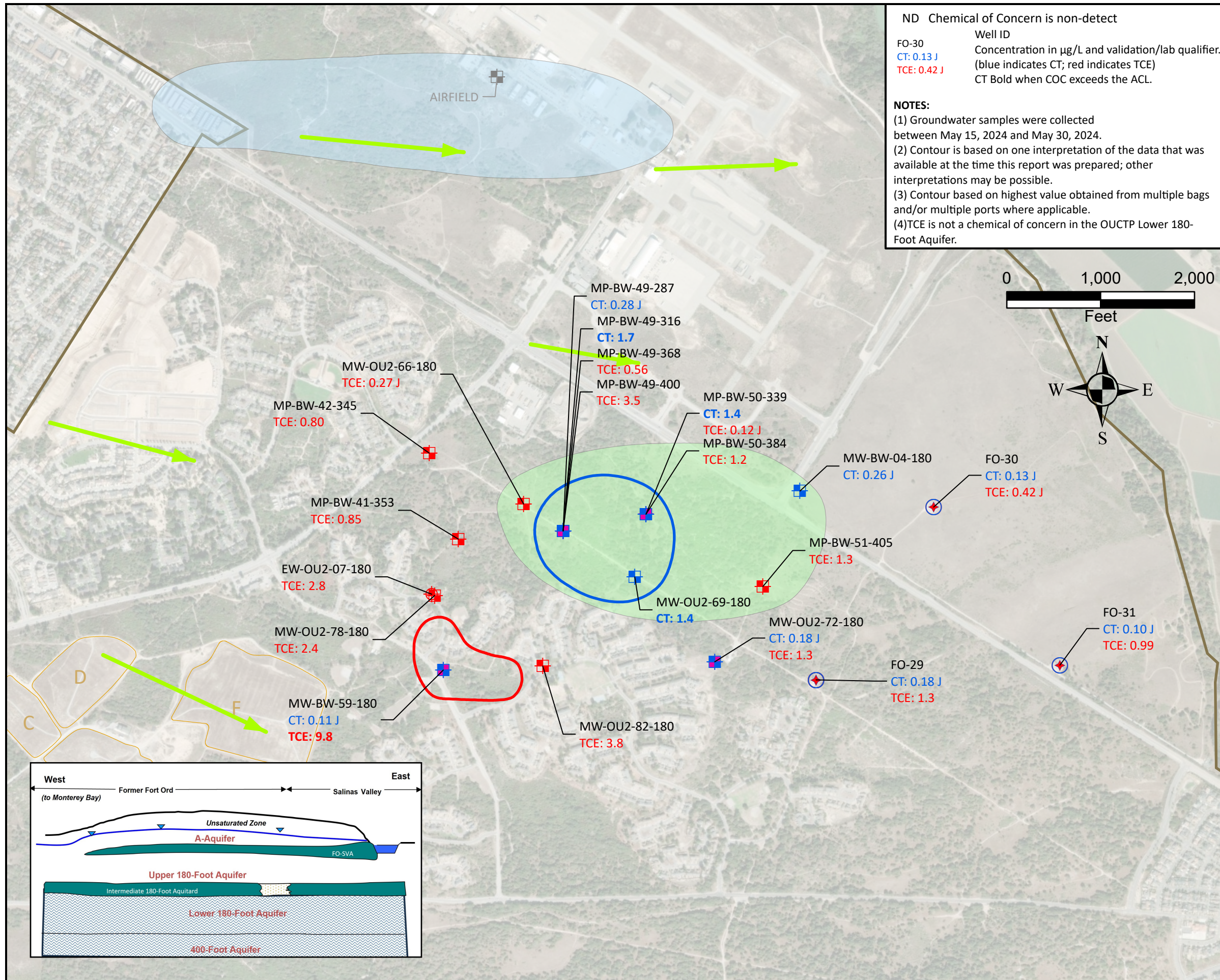
- 0.5 CT plume extent
- 5.0 TCE plume extent

OUCTP Lower 180-Foot Aquifer Hydraulic Zone

- 7
- 8

CT AND TCE CONCENTRATIONS
 LOWER 180-FOOT/400-FOOT AQUIFERS
 FIRST QUARTER 2024
 Operable Unit Carbon Tetrachloride Plume
 Fourth Quarter 2023 - Third Quarter 2024
 Groundwater Monitoring Report
 Former Fort Ord, California

Ahtna Date: 2/12/2025 Figure: 31



EXPLANATION

- General groundwater flow direction
- Approximate extent of landfill areas (Areas B through F)
- Former Fort Ord boundary

Monitoring well with CT detection

- Marina Coast active supply well with trichloroethene (TCE) and carbon tetrachloride (CT) detected
- Extraction well with TCE detected
- Monitoring well with TCE detected
- Monitoring well with CT detected
- Monitoring well with CT and TCE detected
- Monitoring well not sampled

Chemical of Concern (COC) Aquifer Cleanup Level (ACL) Exceedance Contour in $\mu\text{g/L}$.

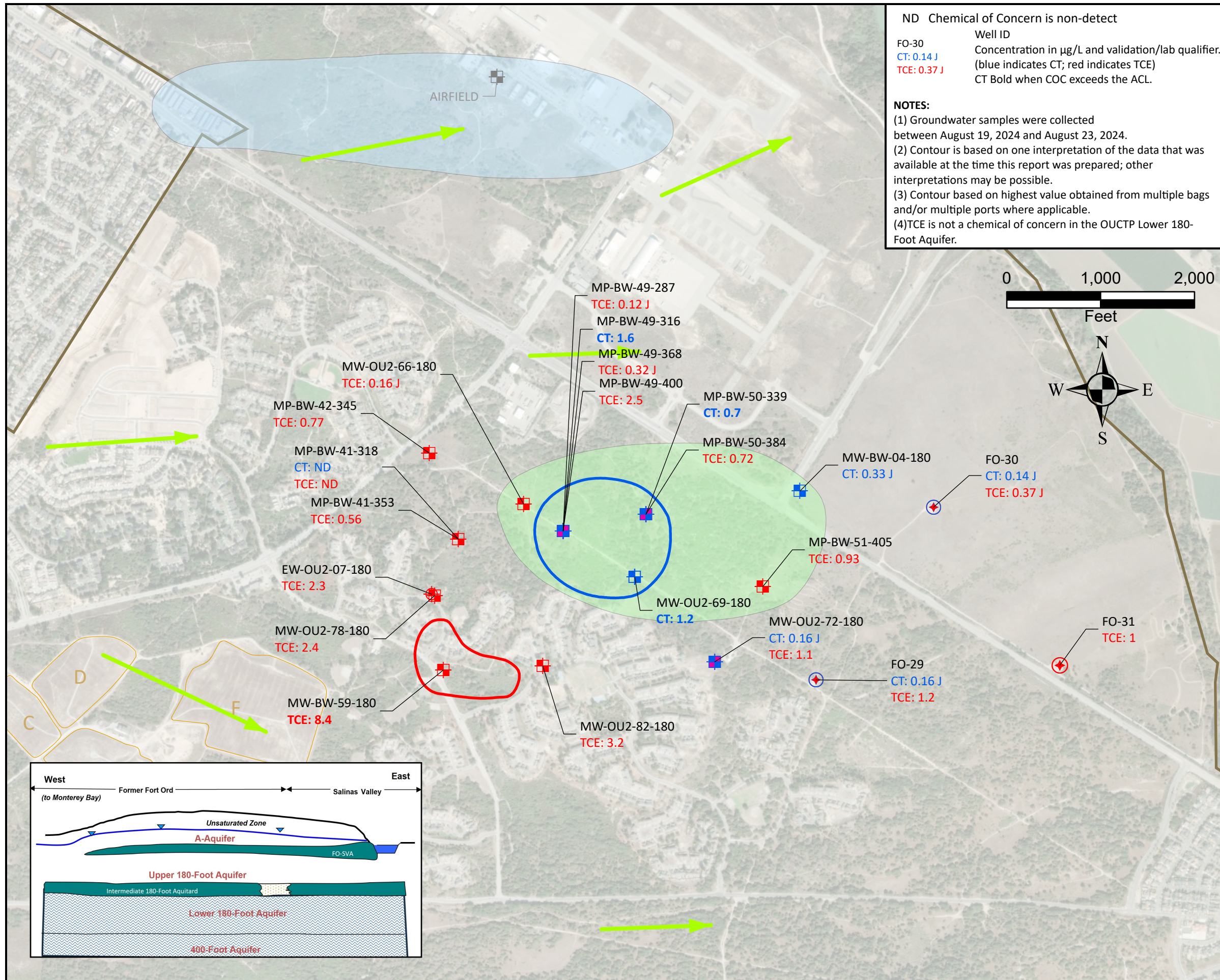
- 0.5 CT plume extent
- 5.0 TCE plume extent

OUCTP Lower 180-Foot Aquifer Hydraulic Zone

- 7
- 8

CT AND TCE CONCENTRATIONS
LOWER 180-FOOT/400-FOOT AQUIFERS
SECOND QUARTER 2024
Operable Unit Carbon Tetrachloride Plume
Fourth Quarter 2023 - Third Quarter 2024
Groundwater Monitoring Report
Former Fort Ord, California

Date: 2/12/2025
Figure: 32



EXPLANATION

➔ General groundwater flow direction

📍 Approximate extent of landfill areas (Areas B through F)

📏 Former Fort Ord boundary

Monitoring well with CT detection

- ⊕ Marina Coast active supply well with trichloroethene (TCE) and carbon tetrachloride (CT) detected
- ⊕ Marina Coast active supply well with TCE
- ⊕ Extraction well with TCE detected
- ⊕ Monitoring well with CT and TCE detected
- ⊕ Monitoring well with CT detected
- ⊕ Monitoring well with TCE detected
- ⊕ Monitoring well not sampled

Chemical of Concern (COC) Aquifer Cleanup Level (ACL) Exceedance Contour in µg/L.

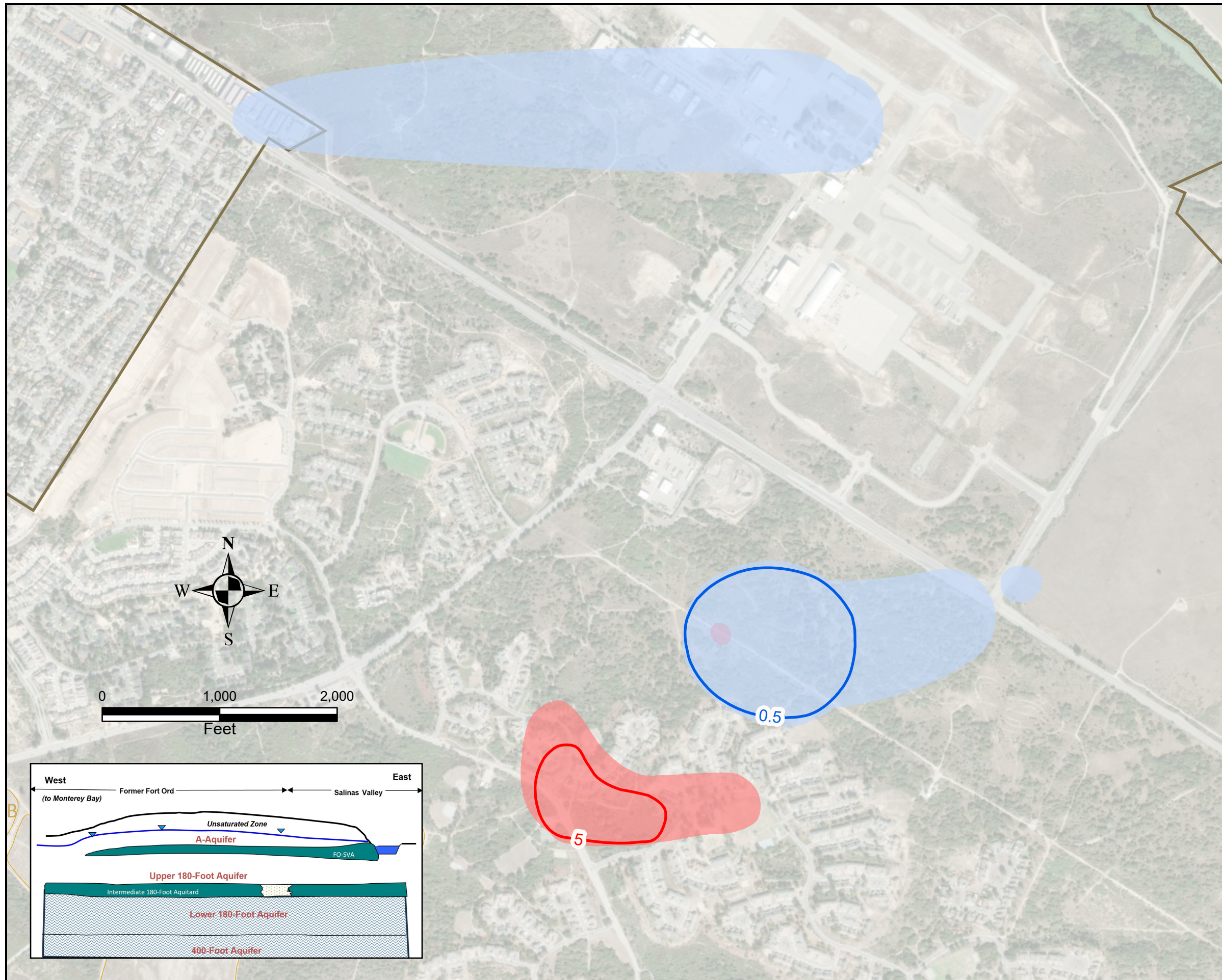
- 0.5 — CT plume extent
- 5.0 — TCE plume extent

OUCTP Lower 180-Foot Aquifer Hydraulic Zone

- 7
- 8

CT AND TCE CONCENTRATIONS
LOWER 180-FOOT/400-FOOT AQUIFERS
THIRD QUARTER 2024
Operable Unit Carbon Tetrachloride Plume
Fourth Quarter 2023 - Third Quarter 2024
Groundwater Monitoring Report
Former Fort Ord, California

Ahtna | Date: 2/12/2025 | Figure: 33



EXPLANATION

Approximate extent of landfill areas (Areas B through F)

Former Fort Ord boundary

Chemical of Concern (COC) Aquifer Cleanup Level (ACL) Exceedance Contours in µg/L.

0.5 3Q2024 Carbon tetrachloride (CT) plume extent

5.0 3Q2024 Trichloroethane (TCE) plume extent

0.5 Historical maximum CT plume extent

5.0 Historical maximum TCE plume extent

NOTE:

(1) Contours are based on one interpretation of the data that was available at the time this report was prepared; other interpretations may be possible.

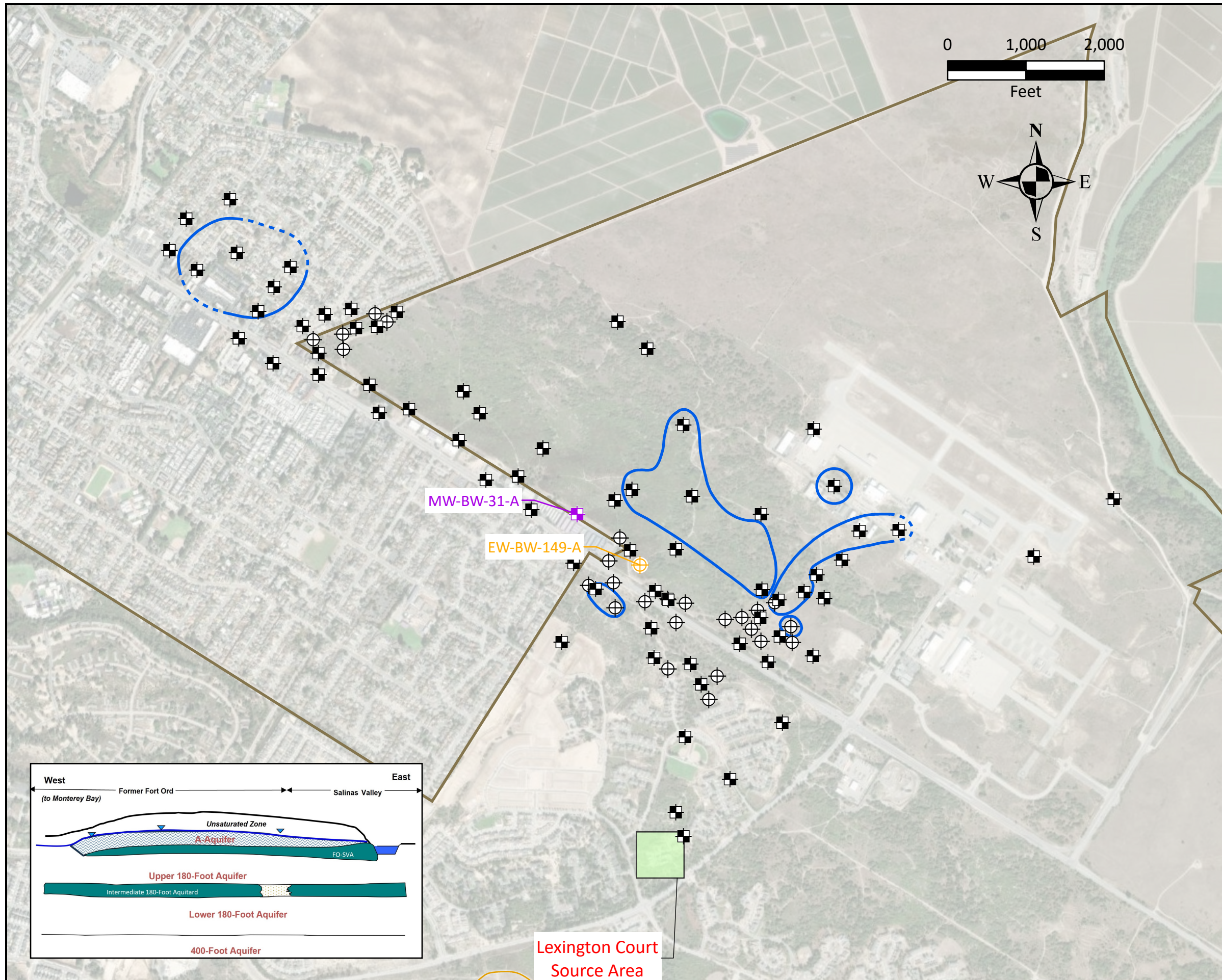
(2) TCE is not a COC in the Lower 180-Foot Aquifer

CURRENT AND HISTORICAL
 MAXIMUM CT/TCE ACL EXCEEDANCES
 OPERABLE UNIT CARBON TETRACHLORIDE PLUME
 LOWER 180-FOOT AQUIFER
 SEPTEMBER 2024
 Fourth Quarter 2023 - Third Quarter 2024
 Groundwater Monitoring Report
 Former Fort Ord, California

Ahtna

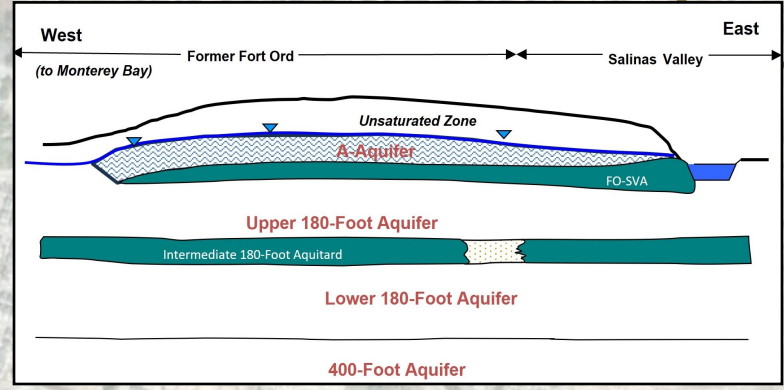
Date: 2/12/2025

Figure: 34



EXPLANATION

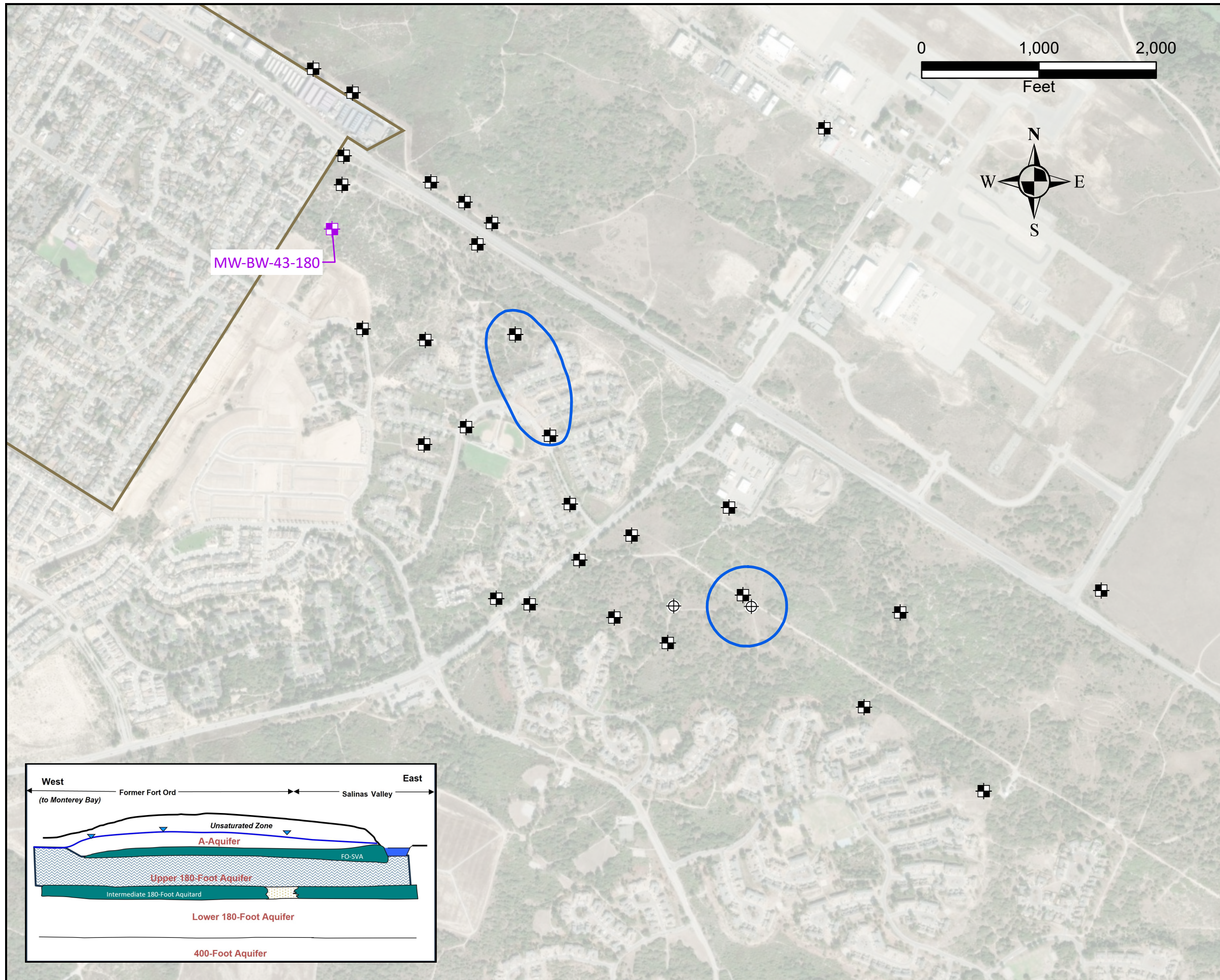
- Lexington Court source area
- Former Fort Ord boundary
- Well Type and Recommendation**
- ⊕ Extraction well: Recommend removal
- ⊕ Extraction well: Recommend no change
- ⊕ Monitoring well: Recommend annual sampling
- ⊕ Monitoring well: Recommend no change
- 3Q2024 Chemical of Concern (COC) Aquifer Cleanup Level (ACL) Exceedance Contour in µg/L.**
- 0.5 Carbon tetrachloride (CT) plume extent
- 0.5 Estimated CT plume extent



Lexington Court Source Area

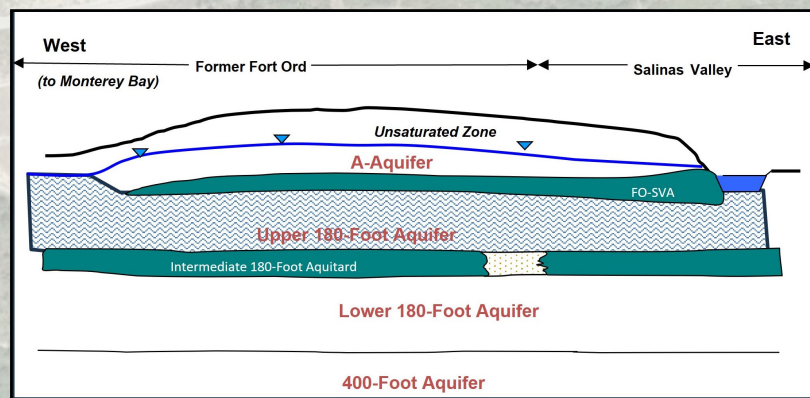
RECOMMENDED A - AQUIFER
 MONITORING WELL CHANGES
 OPERABLE UNIT CARBON TETRACHLORIDE PLUME
 Fourth Quarter 2023 - Third Quarter 2024
 Groundwater Monitoring Report
 Former Fort Ord, California

Service Layer Credits: Source: Esri, Maxar, Earthstar Geographics, and the GIS User Community
 Imagery Date: October 27, 2023



EXPLANATION

- Former Fort Ord boundary
- Well Type and Recommendation**
- Extraction well: Recommend no change
- Monitoring well: Recommend annual sampling
- Monitoring well: Recommend no change
- Chemical of Concern (COC) Aquifer Cleanup Level (ACL) exceedance contour in µg/L.**
- 0.5 Carbon Tetrachloride (CT) plume extent

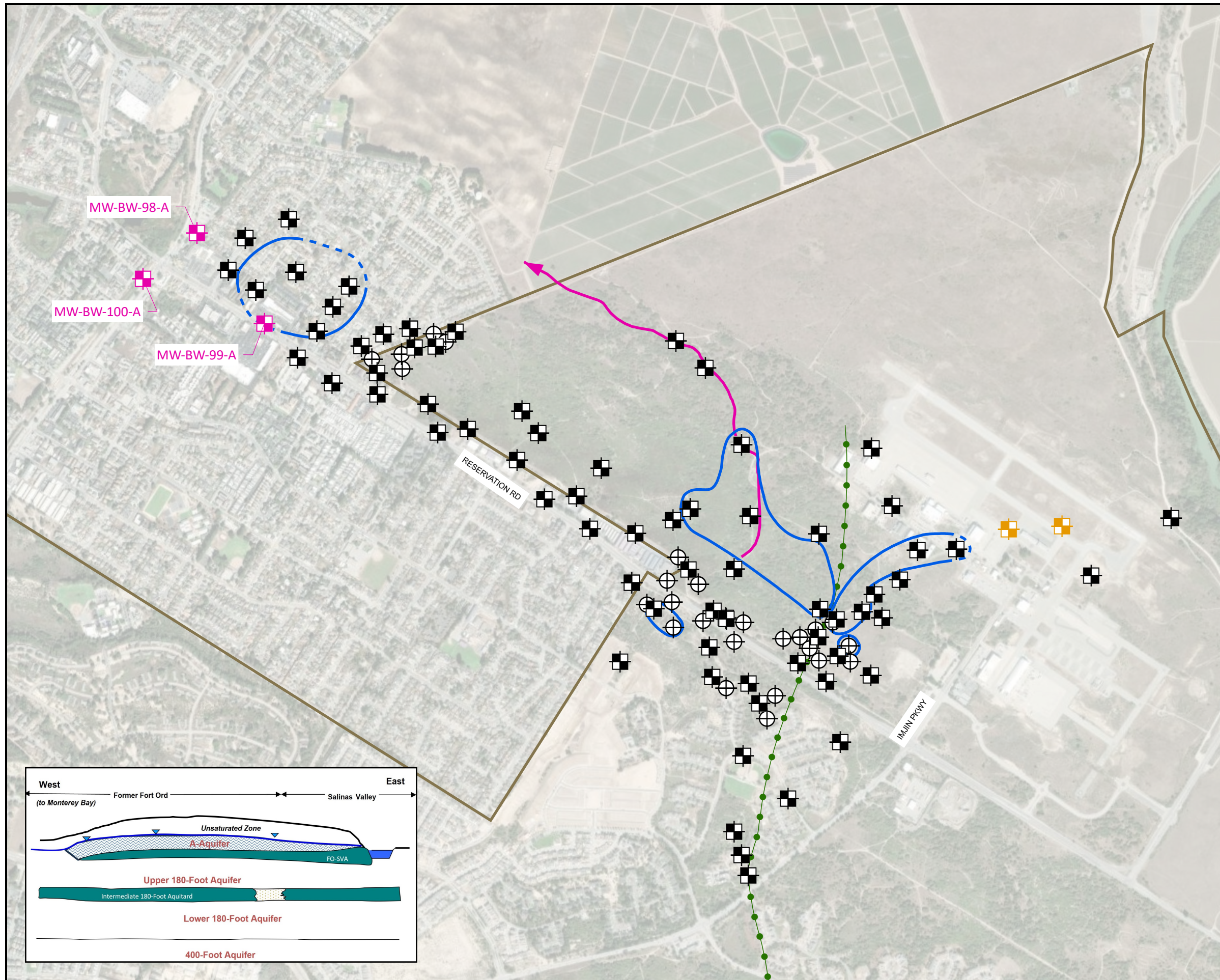


RECOMMENDED UPPER 180-FOOT AQUIFER
 MONITORING WELL CHANGES
 OPERABLE UNIT CARBON TETRACHLORIDE
 Fourth Quarter 2023 - Third Quarter 2024
 Groundwater Monitoring Report
 Former Fort Ord, California

Ahtna

Date: 3/5/2025

Figure: 36

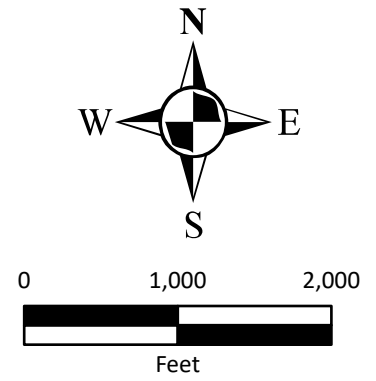


EXPLANATION

- Fort Ord-Salinas Valley Aquitard channel low
- Approximate location of the A-Aquifer groundwater divide
- Former Fort Ord boundary
- Existing extraction well
- Existing monitoring well
- Proposed monitoring well in Downtown Marina¹
- Proposed monitoring well at Marina Municipal Airport²

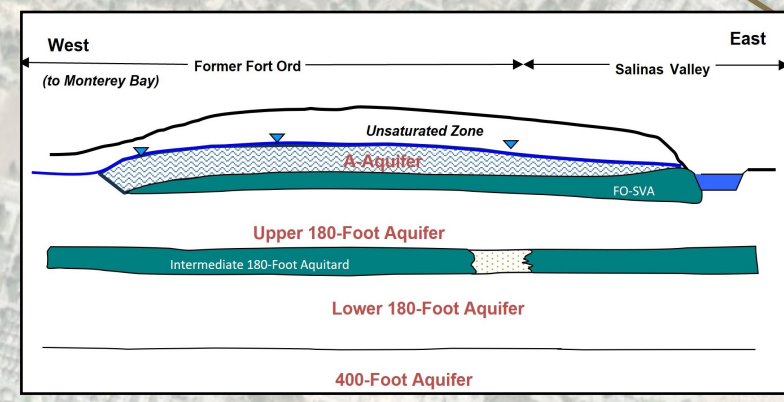
3Q2024 Chemical of Concern (COC) Aquifer Cleanup Level (ACL) Exceedance Contour in µg/L.

- 0.5 Carbon tetrachloride (CT) plume extent
- 0.5 CT plume extent Inferred



NOTES:
 (1) MW-BW-98-A, MW-BW-99-A, and MW-BW-100-A were scheduled to be installed in 2023 and have been delayed.
 (2) The two proposed wells at the Marina Municipal Airport are to determine the extent the CT extent.
 (3) Contour is based on one interpretation of the data that was available at the time this report was prepared; other interpretations may be possible.

RECOMMENDED NEW A-AQUIFER WELLS
 Operable Unit Carbon Tetrachloride Plume
 Fourth Quarter 2023 - Third Quarter 2024
 Groundwater Monitoring Report
 Former Fort Ord, California



Appendices

**Appendix A:
Validation Summary Reports**

**Third Quarter 2024
Groundwater Sample
Cross Reference Table**

Table A1. Third Quarter 2024 Groundwater Sample Cross Reference Table

Station ID	PDB Station ID	Aquifer	Sample ID	Sample Date	Sample Type	Package Lab ID
EISB-EW-01	3	OUCTP-A	2434XOU2001F	8/23/2024	GWM	FC18326-30
EISB-EW-09	5	OUCTP-A	2434XOU2002F	8/23/2024	GWM	FC18326-31
EW-BW-109-A	5	OUCTP-A	2434XOBW005F	8/22/2024	GWM	FC18326-10
EW-BW-124-A	5	OUCTP-A	2434XOBW006F	8/23/2024	GWM	FC18326-26
EW-BW-129-A	3	OUCTP-A	2434XOBW007F	8/22/2024	GWM	FC18326-11
EW-BW-129-A-DUP	3	OUCTP-A	2434XOBW061D	8/22/2024	DUP	FC18326-12
EW-BW-135-A	6	OUCTP-A	2434XOBW008F	8/23/2024	GWM	FC18326-27
EW-BW-140-A	3	OUCTP-A	2434XOBW009F	8/22/2024	GWM	FC18326-15
EW-BW-144-A	3	OUCTP-A	2434XOBW010F	8/23/2024	GWM	FC18326-28
EW-BW-149-A	5	OUCTP-A	2434XOBW011F	8/22/2024	GWM	FC18326-5
EW-BW-155-A	4	OUCTP-A	2434XOBW012F	8/23/2024	GWM	FC18326-29
EW-BW-160-A	6	OUCTP-A	2434XOBW014F	8/21/2024	GWM	FC18341-2
EW-BW-165-A	3	OUCTP-A	2434XOBW017F	8/21/2024	GWM	FC18341-10
EW-BW-169-A	3	OUCTP-A	2434XOBW018F	8/22/2024	GWM	FC18326-2
MW-40-01-A	3	OUCTP-A	2434W0BW160F	8/19/2024	GWM	FC18261-21
MW-B-12-A	4	OUCTP-A	2434X00B019F	8/22/2024	GWM	FC18326-21
MW-B-12-A-DUP	4	OUCTP-A	2434X0BW063D	8/22/2024	DUP	FC18326-22
MW-B-14-A	3	OUCTP-A	2434X00B020F	8/22/2024	GWM	FC18326-3
MW-BW-101-A	6	OUCTP-A	2434W0BW159F	8/20/2024	GWM	FC18258-2
MW-BW-101-A-DUP	6	OUCTP-A	2434W0BW174D	8/20/2024	DUP	FC18258-3
MW-BW-102-A	3	OUCTP-A	2434W0BW158F	8/19/2024	GWM	FC18261-24
MW-BW-103-A	6	OUCTP-A	2434W0BW157F	8/19/2024	GWM	FC18261-23
MW-BW-15-A	6	OUCTP-A	2434X0BW156F	8/22/2024	GWM	FC18326-4
MW-BW-17-A	6	OUCTP-A	2434X0BW022F	8/23/2024	GWM	FC18326-39
MW-BW-26-A	6	OUCTP-A	2434X0BW024F	8/22/2024	GWM	FC18326-13
MW-BW-26-A-DUP	6	OUCTP-A	2434X0BW062D	8/22/2024	DUP	FC18326-14
MW-BW-27-A	4	OUCTP-A	2434W0BW155F	8/20/2024	GWM	FC18258-5
MW-BW-28-A	5	OUCTP-A	2434X0BW025F	8/22/2024	GWM	FC18326-6
MW-BW-30-A	4	OUCTP-A	2434W0BW154F	8/20/2024	GWM	FC18258-7
MW-BW-31-A	6	OUCTP-A	2434X0BW026F	8/22/2024	GWM	FC18326-16
MW-BW-32-A	5	OUCTP-A	2434X0BW027F	8/22/2024	GWM	FC18326-18
MW-BW-35-A	5	OUCTP-A	2434X0BW028F	8/22/2024	GWM	FC18326-19
MW-BW-36-A	5	OUCTP-A	2434X0BW029F	8/22/2024	GWM	FC18326-20
MW-BW-44-A	2	OUCTP-A	2434X0BW031F	8/22/2024	GWM	FC18326-23
MW-BW-48-A	2	OUCTP-A	2434X0BW032F	8/19/2024	GWM	FC18261-9
MW-BW-49-A	1	OUCTP-A	2434X0BW033F	8/19/2024	GWM	FC18261-4
MW-BW-49-A	4	OUCTP-A	2434X0BW180F	8/19/2024	GWM	FC18261-5
MW-BW-56-A	5	OUCTP-A	2434W0BW153F	8/20/2024	GWM	FC18258-6
MW-BW-58-A	6	OUCTP-A	2434X0BW036F	8/21/2024	GWM	FC18341-6
MW-BW-65-A	1	OUCTP-A	2434X0BW037F	8/19/2024	GWM	FC18261-2
MW-BW-65-A	4	OUCTP-A	2434X0BW181F	8/19/2024	GWM	FC18261-3

Table A1. Third Quarter 2024 Groundwater Sample Cross Reference Table

Station ID	PDB Station ID	Aquifer	Sample ID	Sample Date	Sample Type	Package Lab ID
MW-BW-66-A	3	OUCTP-A	2434X0BW038F	8/22/2024	GWM	FC18326-24
MW-BW-74-A	1	OUCTP-A	2434X0BW039F	8/23/2024	GWM	FC18326-36
MW-BW-74-A	4	OUCTP-A	2434X0BW182F	8/23/2024	GWM	FC18326-37
MW-BW-75-A	1	OUCTP-A	2434X0BW040F	8/23/2024	GWM	FC18326-33
MW-BW-75-A	4	OUCTP-A	2434X0BW183F	8/23/2024	GWM	FC18326-34
MW-BW-75-A-DUP	4	OUCTP-A	2434X0BW064D	8/23/2024	DUP	FC18326-35
MW-BW-77-A	2	OUCTP-A	2434X0BW041F	8/19/2024	GWM	FC18261-15
MW-BW-77-A	4	OUCTP-A	2434X0BW184F	8/19/2024	GWM	FC18261-16
MW-BW-78-A	2	OUCTP-A	2434X0BW042F	8/19/2024	GWM	FC18261-17
MW-BW-78-A	6	OUCTP-A	2434X0BW185F	8/19/2024	GWM	FC18261-18
MW-BW-79-A	2	OUCTP-A	2434X0BW043F	8/20/2024	GWM	FC18258-8
MW-BW-79-A	6	OUCTP-A	2434X0BW186F	8/20/2024	GWM	FC18258-9
MW-BW-80-A	1	OUCTP-A	2434X0BW044F	8/19/2024	GWM	FC18261-6
MW-BW-80-A	2	OUCTP-A	2434X0BW187F	8/19/2024	GWM	FC18261-7
MW-BW-80-A-DUP	2	OUCTP-A	2434X0BW065D	8/19/2024	DUP	FC18261-8
MW-BW-81-A	5	OUCTP-A	2434X0BW045F	8/19/2024	GWM	FC18261-14
MW-BW-82-A	1	OUCTP-A	2434X0BW046F	8/19/2024	GWM	FC18261-12
MW-BW-82-A	5	OUCTP-A	2434X0BW188F	8/19/2024	GWM	FC18261-13
MW-BW-83-A	1	OUCTP-A	2434X0BW047F	8/19/2024	GWM	FC18261-10
MW-BW-83-A	5	OUCTP-A	2434X0BW189F	8/19/2024	GWM	FC18261-11
MW-BW-85-A	5	OUCTP-A	2434X0BW048F	8/21/2024	GWM	FC18341-1
MW-BW-87-A	5	OUCTP-A	2434X0BW049F	8/21/2024	GWM	FC18341-7
MW-BW-87-A-DUP	5	OUCTP-A	2434X0BW066D	8/21/2024	DUP	FC18341-8
MW-BW-88-A	6	OUCTP-A	2434X0BW050F	8/21/2024	GWM	FC18341-9
MW-BW-89-A	6	OUCTP-A	2434X0BW051F	8/22/2024	GWM	FC18326-7
MW-BW-90-A	5	OUCTP-A	2434X0BW052F	8/21/2024	GWM	FC18341-5
MW-BW-91-A	6	OUCTP-A	2434X0BW053F	8/21/2024	GWM	FC18341-3
MW-BW-92-A	6	OUCTP-A	2434X0BW054F	8/22/2024	GWM	FC18326-17
MW-BW-93-A	3	OUCTP-A	2434X0BW055F	8/22/2024	GWM	FC18326-8
MW-BW-94-AR	6	OUCTP-A	2434X0BW056F	8/21/2024	GWM	FC18341-4
MW-BW-95-A	6	OUCTP-A	2434X0BW057F	8/23/2024	GWM	FC18326-40
MW-BW-96-A	6	OUCTP-A	2434X0BW058F	8/23/2024	GWM	FC18326-41
MW-BW-97-A	5	OUCTP-A	2434X0BW059F	8/23/2024	GWM	FC18326-42
QC-FIELD-BLANK	-	OUCTP-A	2434W0BW202C	8/20/2024	QC	FC18258-4
QC-FIELD-BLANK	-	OUCTP-A	24340BWX191C	8/20/2024	QC	FC18258-10
QC-FIELD-BLANK	-	OUCTP-A	24340BWX194C	8/19/2024	QC	FC18261-19
QC-FIELD-BLANK	-	OUCTP-A	2434W0BW201C	8/19/2024	QC	FC18261-22
QC-FIELD-BLANK	-	OUCTP-A	24340BWX193C	8/22/2024	QC	FC18326-9
QC-FIELD-BLANK	-	OUCTP-A	2434Y0BW198C	8/23/2024	QC	FC18326-38
QC-TRIP-BLANK	-	OUCTP-A	2434W0BW219A	8/20/2024	QC	FC18258-1
QC-TRIP-BLANK	-	OUCTP-A	24340BWX211A	8/19/2024	QC	FC18261-1

Table A1. Third Quarter 2024 Groundwater Sample Cross Reference Table

Station ID	PDB Station ID	Aquifer	Sample ID	Sample Date	Sample Type	Package Lab ID
QC-TRIP-BLANK	-	OUCTP-A	2434W0BW218A	8/19/2024	QC	FC18261-20
QC-TRIP-BLANK	-	OUCTP-A	24340BWX210A	8/22/2024	QC	FC18326-1
QC-TRIP-BLANK	-	OUCTP-A	24340BWX212A	8/23/2024	QC	FC18326-25
QC-TRIP-BLANK	-	OUCTP-A	2434Y0BW215A	8/23/2024	QC	FC18326-32
MP-BW-33-272	-	OUCTP-U	2434W0BW172F	8/20/2024	GWM	FC18257-3
MP-BW-46-170	-	OUCTP-U	2434W0BW168F	8/21/2024	GWM	FC18342-6
MW-BW-21-180	5	OUCTP-U	2434X0BW023F	8/21/2024	GWM	FC18342-3
MW-BW-43-180	4	OUCTP-U	2434X0BW030F	8/22/2024	GWM	FC18328-3
MW-BW-52-180	1	OUCTP-U	2434X0BW035F	8/20/2024	GWM	FC18257-2
MW-BW-57-180	2	OUCTP-U	2434W0BW152F	8/21/2024	GWM	FC18342-5
MW-BW-58-180	3	OUCTP-U	2434W0BW151F	8/21/2024	GWM	FC18342-4
MW-OU2-64-180	4	OUCTP-U	2434WOU2149F	8/22/2024	GWM	FC18328-1
MW-OU2-64-180-DUP	4	OUCTP-U	2434WOU2175D	8/22/2024	DUP	FC18328-2
MW-OU2-67-180	3	OUCTP-U	2434WOU2147F	8/21/2024	GWM	FC18342-8
MW-OU2-70-180	2	OUCTP-U	2434WOU2145F	8/21/2024	GWM	FC18342-7
QC-FIELD-BLANK	-	OUCTP-U	24340BWX192C	8/21/2024	QC	FC18342-2
QC-TRIP-BLANK	-	OUCTP-U	24340BWX208A	8/20/2024	QC	FC18257-1
QC-TRIP-BLANK	-	OUCTP-U	24340BWX209A	8/21/2024	QC	FC18342-1
EW-OU2-07-180	2	OUCTP-L	2434YOU2069F	8/20/2024	GWM	FC18255-4
FO-29	-	OUCTP-L	2434Z0BW177F	8/22/2024	GWM	FC18325-16
FO-29-DUP	-	OUCTP-L	2434Z0BW225D	8/22/2024	DUP	FC18325-17
FO-30	-	OUCTP-L	2434Z0BW178F	8/22/2024	GWM	FC18325-13
FO-31	-	OUCTP-L	2434Z0BW179F	8/22/2024	GWM	FC18325-14
MP-BW-41-318	-	OUCTP-L	2434W0BW171F	8/22/2024	GWM	FC18325-10
MP-BW-41-353	-	OUCTP-L	2434W0BW170F	8/22/2024	GWM	FC18325-9
MP-BW-42-345	-	OUCTP-L	2434W0BW169F	8/21/2024	GWM	FC18340-9
MP-BW-49-287	-	OUCTP-L	2434W0BW167F	8/22/2024	GWM	FC18325-7
MP-BW-49-316	-	OUCTP-L	2434W0BW166F	8/22/2024	GWM	FC18325-5
MP-BW-49-316-DUP	-	OUCTP-L	2434W0BW173D	8/22/2024	DUP	FC18325-6
MP-BW-49-368	-	OUCTP-L	2434W0BW165F	8/22/2024	GWM	FC18325-4
MP-BW-49-400	-	OUCTP-L	2434W0BW164F	8/22/2024	GWM	FC18325-3
MP-BW-50-339	-	OUCTP-L	2434W0BW163F	8/21/2024	GWM	FC18340-3
MP-BW-50-384	-	OUCTP-L	2434W0BW162F	8/21/2024	GWM	FC18340-2
MP-BW-51-405	-	OUCTP-L	2434W0BW161F	8/21/2024	GWM	FC18340-5
MW-BW-04-180	2	OUCTP-L	2434X0BW021F	8/22/2024	GWM	FC18325-18
MW-BW-59-180	2	OUCTP-L	2434Y0BW085F	8/20/2024	GWM	FC18255-2
MW-OU2-66-180	2	OUCTP-L	2434WOU2148F	8/22/2024	GWM	FC18325-8
MW-OU2-69-180	2	OUCTP-L	2434WOU2146F	8/21/2024	GWM	FC18340-7
MW-OU2-69-180-DUP	2	OUCTP-L	2434WOU2176D	8/21/2024	DUP	FC18340-8
MW-OU2-72-180	3	OUCTP-L	2434WOU2144F	8/21/2024	GWM	FC18340-6
MW-OU2-78-180	2	OUCTP-L	2434YOU2122F	8/20/2024	GWM	FC18255-3

Table A1. Third Quarter 2024 Groundwater Sample Cross Reference Table

Station ID	PDB Station ID	Aquifer	Sample ID	Sample Date	Sample Type	Package Lab ID
MW-OU2-82-180	3	OUCTP-L	2437YOU2127F	9/9/2024	GWM	FC18680-3
QC-EQUIPMENT-BLANK	-	OUCTP-L	2434W0BW190B	8/22/2024	QC	FC18325-11
QC-FIELD-BLANK	-	OUCTP-L	2434Y0BW197C	8/20/2024	QC	FC18255-5
QC-FIELD-BLANK	-	OUCTP-L	2434W0BW204C	8/22/2024	QC	FC18325-2
QC-FIELD-BLANK	-	OUCTP-L	2434Y0BW199C	8/22/2024	QC	FC18325-15
QC-FIELD-BLANK	-	OUCTP-L	2434W0BW203C	8/21/2024	QC	FC18340-4
QC-FIELD-BLANK	-	OUCTP-L	2437Z0BW206C	9/9/2024	QC	FC18680-2
QC-TRIP-BLANK	-	OUCTP-L	2434Y0BW214A	8/20/2024	QC	FC18255-1
QC-TRIP-BLANK	-	OUCTP-L	2434W0BW221A	8/22/2024	QC	FC18325-1
QC-TRIP-BLANK	-	OUCTP-L	2434Y0BW216A	8/22/2024	QC	FC18325-12
QC-TRIP-BLANK	-	OUCTP-L	2434W0BW220A	8/21/2024	QC	FC18340-1
QC-TRIP-BLANK	-	OUCTP-L	2437Z0BW223A	9/9/2024	QC	FC18680-1
Sample Counts						
Number Primary GWM Samples:					98	
Number Duplicate Samples:					11	
Percent Duplicate:					11%	
Number QC Field/Trip/Equipment Blanks:					26	

Notes:

- : collected from pump or QC sample
- COC: chain of custody
- DUP: duplicate sample
- GWM: groundwater monitoring sample
- ID: identification
- OUCTP-A: A-Aquifer
- OUCTP-U: Upper 180-Foot Aquifer
- OUCTP-L: Lower 180-Foot Aquifer
- PDB: passive diffusion bag
- QC: quality control sample (trip blank or field blank)

**Third Quarter 2024
Groundwater Laboratory Data
Validation Summary Reports (VSRs)**



LABORATORY DATA CONSULTANTS, INC.

2701 Loker Ave. West, Suite 220, Carlsbad, CA 92010 Bus: 760-827-1100 Fax: 760-827-1099

AHTNA
296 12th Street
Marina, CA 93933
ATTN: Mr. Eric A. Schmidt
eschmidt@ahtna.net

September 6, 2024

SUBJECT: Fort Ord, OUCTP Lower - Data Validation

Dear Mr. Schmidt,

Enclosed are the final validation reports for the fraction listed below. This SDG was received on September 3, 2024. Attachment 1 is a summary of the samples that were reviewed for each analysis.

LDC Project #59609:

SDG #

FC18255

Fraction

Volatiles

The data validation was performed under Stage 2B & 4 guidelines. The analysis was validated using the following documents, as applicable to each method:

- Quality Assurance Project Plan Volume I, Appendix A for Groundwater Remedies and Monitoring at Operable Unit 2, Sites 2 and 12, and Operable Unit Carbon Tetrachloride Plume, Former Fort Ord, California (Revision 8, July 2020)
- U.S. Department of Defense (DoD) Quality Systems Manual (QSM) for Environmental Laboratories, Version 5.1 (2017)
- U.S. DoD Data Validation Guidelines Module 1: Data Validation Procedure for Organic Analysis by GC/MS (May 2020)
- EPA SW 846, Third Edition, Test Methods for Evaluating Solid Waste, update 1, July 1992; update IIA, August 1993; update II, September 1994; update IIB, January 1995; update III, December 1996; update IIIA, April 1998; IIIB, November 2004; update IV, February 2007; update V, July 2014; update VI, July 2018

Please feel free to contact us if you have any questions.

Sincerely,

Pei Geng
pgeng@lab-data.com
Project Manager/Senior Chemist

ADR/Stage 4 90/10

LDC# 59609 (AHTNA Engineering Services - Marina, CA / Fort Ord, OUCTP-Lower)

Project # 21065.000.01.0000

LDC	SDG#	DATE REC'D	(3) DATE DUE	(3)VOA (8260B -SIM)																												
					W	S	W	S	W	S	W	S	W	S	W	S	W	S	W	S	W	S	W	S	W	S	W	S	W	S	W	S
Matrix: Water/Soil					W	S	W	S	W	S	W	S	W	S	W	S	W	S	W	S	W	S	W	S	W	S	W	S	W	S		
A	FC18255	09/03/24	09/24/24	4 0																												
A	FC18255	09/03/24	09/24/24	1 0																												
Total	TR/PG			5 0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5			

Shaded cells indicate Stage 4 validation (all other cells are ADR validation). These sample counts do not include MS/MSD, and DUPs

**Automated Data Review Data Validation Report
Fort Ord, OUCTP-Lower**

Sample Delivery Group(s)
FC18255

September 5, 2024

Introduction

This Data Validation Report (DVR) presents data validation findings and results for the associated samples collected during the August 2024 sampling period. Data validation was performed in accordance with the Quality Assurance Project Plan Volume I, Appendix A for Groundwater Remedies and Monitoring at Operable Unit 2, Sites 2 and 12, and Operable Unit Carbon Tetrachloride Plume, Former Fort Ord, California (Revision 8, July 2020), the U.S. Department of Defense (DoD) Quality Systems Manual (QSM) for Environmental Laboratories, Version 5.1 (2017), and the U.S. DoD Data Validation Guidelines Module 1: Data Validation Procedure for Organic Analysis by GC/MS (May 2020). Where specific guidance was not available, the data has been evaluated in a conservative manner consistent with industry standards using professional experience.

The analyses were performed by the following method(s):

Volatile Organic Compounds (VOCs) by Environmental Protection Agency (EPA) SW 846 Method 8260D in Selected Ion Monitoring (SIM) mode

Sample identifications, methods of analyses performed, and review levels on each sample are presented in Attachment 1. Overall data qualification summary is presented in Attachment 2. Automated Data Review outliers and manual data validation worksheets are presented in Enclosure I.

All sample results were subjected to Stage 2B data validation, which comprises an evaluation of quality control (QC) summary results. Approximately 10 percent of samples were subjected to Stage 4 data validation, which is comprised of the QC summary forms as well as the raw data, to confirm sample quantitation and identification.

The following are definitions of the data qualifiers utilized during data validation:

- J+ The result was an estimated quantity, but the result may be biased high.
- J- The result was an estimated quantity, but the result may be biased low.
- J The reported result was an estimated quantity value with an unknown bias.
- U The analyte was not detected and was reported as less than the LOD or as defined by the customer. The LOD has been adjusted for any dilution or concentration of the sample.
- UJ The analyte was not detected and was reported as less than the LOD or as defined by the customer. However, the associated numerical value is approximate.
- N The analysis indicates the presence of an analyte for which there was presumptive evidence to make a "tentative identification".
- NJ The analyte has been "tentatively identified" or "presumptively identified" as present, and the associated numerical value was the estimated concentration in the sample.
- X The sample results (including non-detects) were affected by serious deficiencies in the ability to analyze the sample and to meet published method and project quality control criteria. The presence or absence of the analyte cannot be substantiated by the data provided. Acceptance or rejection of the data should be decided by the project team (which should include a Project Chemist), but exclusion of the data is recommended.
- NA (Not Applicable): The non-conformance discovered during data validation demonstrates a high bias, while the affected analyte in the associated sample(s) was reported as not detected by the laboratory and did not warrant the qualification of the data.

Sample Receipt & Technical Holding Times

All samples were received in good condition and cooler temperatures upon receipt met validation criteria.

All technical holding time requirements were met.

Instrument Performance Check

A bromofluorobenzene (BFB) tune was performed at 12 hour intervals.

All ion abundance requirements were met.

Initial Calibration and Initial Calibration Verification

An initial calibration was performed as required by the method.

The percent relative standard deviations (%RSD) were less than or equal to 15.0% for analytes.

Average relative response factors (RRF) for all analytes were within validation criteria.

The percent differences (%D) of the initial calibration verification (ICV) standard were less than or equal to 20.0% for all analytes.

Continuing Calibration

Continuing calibration was performed at the required frequencies.

The percent differences (%D) were less than or equal to 20.0% for all analytes.

The percent differences (%D) of the ending continuing calibration verifications (CCVs) were less than or equal to 50.0% for all analytes.

All of the continuing calibration relative response factors (RRF) were within validation criteria.

Laboratory Blanks

Laboratory blanks were performed as required by the method. No contaminant concentrations were detected in the laboratory blanks.

Field Blanks

One trip blank was collected and analyzed. No contaminants were found.

One field blank was collected and analyzed. No contaminants were found.

Surrogate Spikes

Surrogates were added to all samples and blanks as required by the method. All surrogate recoveries (%R) were within QC limits.

Matrix Spike/Matrix Spike Duplicates

Matrix spike (MS) and matrix spike duplicate (MSD) sample analysis was performed on an associated project sample. Percent recoveries (%R) and relative percent differences (RPD) were within QC limits.

Laboratory Control Samples

Laboratory control samples (LCS) were analyzed as required by the methods. Percent recoveries (%R) and relative percent differences (RPD) were within QC limits.

Field Duplicates

No field duplicates were identified in this SDG.

Internal Standards

All internal standard areas and retention times were within QC limits.

Target Analyte Quantitation

The laboratory reporting limits were evaluated. All laboratory reporting limits met the specified requirements.

Target Analyte Identification

All target analyte identifications met validation criteria for samples which underwent Stage 4 validation. Raw data were not reviewed for Stage 2B validation.

Overall Assessment of Data

The analysis was conducted within all specifications of the methods. No results were recommended for exclusion in this SDG.

Data flags are summarized and are presented as Attachment 2.

Attachment 1
Sample Cross Reference

Sample Cross Reference

Date Collected	Field Sample ID	Lab Sample ID	Sample Type	Prep Method	Analytical Method	Review Level
20-Aug-2024	2434Y0BW214A	FC18255-1	TB	5030B	W846 8260D BY SIF	Stage 2B
20-Aug-2024	2434Y0BW085F	FC18255-2	N	5030B	W846 8260D BY SIF	Stage 4
20-Aug-2024	2434Y0BW085FMS	FC18255-2MS	MS	5030B	W846 8260D BY SIF	Stage 4
20-Aug-2024	2434Y0BW085FMSD	FC18255-2MSD	MSD	5030B	W846 8260D BY SIF	S4VE
20-Aug-2024	2434YOU2122F	FC18255-3	N	5030B	W846 8260D BY SIF	Stage 2B
20-Aug-2024	2434YOU2069F	FC18255-4	N	5030B	W846 8260D BY SIF	Stage 2B
20-Aug-2024	2434Y0BW197C	FC18255-5	FB	5030B	W846 8260D BY SIF	Stage 2B

Attachment 2

Overall Data Qualification Summary

Data Qualifier Summary

Lab Reporting Batch ID: FC18255

EDD Filename: FC18255ACTO

Laboratory: ACTO

eQAPP Name: FtOrd_UFP_QAPP_Rev9_3

No Data Review Qualifiers Applied.

Enclosure I
Validation Outlier Reports

Quality Control Outlier Reports

FC18255

(No Outliers)

LDC #: 59609A1b

VALIDATION COMPLETENESS WORKSHEET

SDG #: FC18255

ADR/Stage 4

Laboratory: SGS North America, Inc., Orlando, FL

Date: 8/1/24

Page: 1 of 1

Reviewer: [Signature]

2nd Reviewer: [Signature]

METHOD: GC/MS Volatiles (EPA SW-846 Method 8260D-SIM)

The samples listed below were reviewed for each of the following validation areas. Validation findings are noted in attached validation findings worksheets.

	Validation Area		Comments
I.	Sample receipt/Technical holding times	A	
II.	GC/MS Instrument performance check	A	
III.	Initial calibration/ICV	A/A	RSD ≤ 15% 1CV ≤ 20%
IV.	Continuing calibration / Closing CCV	A	D ≤ 20/50%
V.	Laboratory Blanks	A	
VI.	Field blanks	N	TB = 1 FB = 5
VII.	Surrogate spikes	A	
VIII.	Matrix spike/Matrix spike duplicates	A	
IX.	Laboratory control samples	A	LCS
X.	Field duplicates	N	
XI.	Internal standards	A	
XII.	Target analyte quantitation	A	Reviewed for Stage 4 validation.
XIII.	Target analyte identification	A	Reviewed for Stage 4 validation. MI
XIV.	Overall assessment of data	A	

Note: A = Acceptable
N = Not provided/applicable
SW = See worksheet

ND = No compounds detected
R = Rinsate
FB = Field blank

D = Duplicate
TB = Trip blank
EB = Equipment blank

SB=Source blank
OTHER:

**Indicates samples underwent Stage 4 validation

	Client ID	Lab ID	Matrix	Date
1	2434Y0BW214A	FC18255-1	Water	08/20/24
2	2434Y0BW085F**	FC18255-2**	Water	08/20/24
3	2434YOU2122F	FC18255-3	Water	08/20/24
4	2434YOU2069F	FC18255-4	Water	08/20/24
5	2434Y0BW197C	FC18255-5	Water	08/20/24
6	2434Y0BW085FMS	FC18255-2MS	Water	08/20/24
7	2434Y0BW085FMSD	FC18255-2MSD	Water	08/20/24
8				
9				
10				

Notes:

VN6710	D.L.S			

Method: Volatiles (EPA SW 846 Method 8260B-SIM)

Validation Area	Yes	No	NA	Findings/Comments
I. Technical holding times				
Were all technical holding times met?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Was cooler temperature criteria met?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
II. GC/MS Instrument performance check (Not required)				
Were the BFB performance results reviewed and found to be within the specified criteria?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Were all samples analyzed within the 12 hour clock criteria?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
IIIa. Initial calibration				
Did the laboratory perform a 5 point calibration prior to sample analysis?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Were all percent relative standard deviations (%RSD) \leq 15% and relative response factors (RRF) $>$ 0.05??	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Was a curve fit used for evaluation? If yes, did the initial calibration meet the curve fit acceptance criteria of $>$ 0.990?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
IIIb. Initial Calibration Verification				
Was an initial calibration verification standard analyzed after each initial calibration for each instrument?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Were all percent difference (%D) \leq 20% or percent recoveries (%R) 80-120%?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
IV. Continuing calibration				
Was a continuing calibration standard analyzed at least once every 12 hours for each instrument?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Were all percent differences (%D) $<$ 20% and relative response factors (RRF) $>$ 0.05?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
V. Laboratory Blanks				
Was a laboratory blank associated with every sample in this SDG?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Was a laboratory blank analyzed at least once every 12 hours for each matrix and concentration?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Was there contamination in the laboratory blanks? If yes, please see the Blanks validation findings worksheet.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
VI. Field blanks				
Were field blanks identified in this SDG?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Were target analytes detected in the field blanks?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
VII. Surrogate spikes				
Were all surrogate percent recovery (%R) within QC limits?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
If the percent recovery (%R) for one or more surrogates was out of QC limits, was a reanalysis performed to confirm samples with %R outside of criteria?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
VIII. Matrix spike/Matrix spike duplicates				
Were matrix spike (MS) and matrix spike duplicate (MSD) analyzed in this SDG?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Were the MS/MSD percent recoveries (%R) and the relative percent differences (RPD) within the QC limits?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

Validation Area	Yes	No	NA	Findings/Comments
IX. Laboratory control samples				
Was an LCS analyzed per analytical batch?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Were the LCS percent recoveries (%R) and relative percent difference (RPD) within the QC limits?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
X. Field duplicates				
Were field duplicate pairs identified in this SDG?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Were target analytes detected in the field duplicates?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
XI. Internal standards				
Were internal standard area counts within -50% or +100% of the associated calibration standard?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Were retention times within + 30 seconds of the associated calibration standard?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
XII. Target analyte quantitation				
Did the laboratory LOQs/RLs meet the QAPP LOQs/RLs?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Were the correct internal standard (IS), quantitation ion and relative response factor (RRF) used to quantitate the target analyte?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Were target analyte quantitation and RLs adjusted to reflect all sample dilutions and dry weight factors applicable to level IV validation?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Were manual integrations reviewed and found acceptable?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Did the laboratory provide before and after integration printouts?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
XIII. Target analyte identification				
Were relative retention times (RRT's) within + 0.06 RRT units of the standard?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Did analyte spectra meet specified EPA "Functional Guidelines" criteria?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Were chromatogram peaks verified and accounted for?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Were manual integrations performed and found acceptable?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Did the lab provide before and after printouts?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
XV. Overall assessment of data				
Overall assessment of data was found to be acceptable.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

TARGET ANALYTE LIST

METHOD: VOA

A. Chloromethane	AA. Tetrachloroethene	AAA. 1,3,5-Trimethylbenzene	AAAA. Ethyl tert-butyl ether	A1. 1,3-Butadiene	A2. 1,2,4,5-Tetramethylbenzene
B. Bromomethane	BB. 1,1,2,2-Tetrachloroethane	BBB. 4-Chlorotoluene	BBBB. tert-Amyl methyl ether	B1. Hexane	B2. n-Octane
C. Vinyl chloride	CC. Toluene	CCC. tert-Butylbenzene	CCCC. 1-Chlorohexane	C1. Heptane	C2. n-Propyl alcohol
D. Chloroethane	DD. Chlorobenzene	DDD. 1,2,4-Trimethylbenzene	DDDD. Isopropyl alcohol	D1. Propylene	D2. n-Pentane
E. Methylene chloride	EE. Ethylbenzene	EEE. sec-Butylbenzene	EEEE. Acetonitrile	E1. Freon 11	E2. n-Decane
F. Acetone	FF. Styrene	FFF. 1,3-Dichlorobenzene	FFFF. Acrolein	F1. Freon 12	F2. Chlorodifluoromethane
G. Carbon disulfide	GG. Xylenes, total	GGG. p-Isopropyltoluene	GGGG. Acrylonitrile	G1. Freon 113	G2. cis-Decahydronaphthalene
H. 1,1-Dichloroethene	HH. Vinyl acetate	HHH. 1,4-Dichlorobenzene	HHHH. 1,4-Dioxane	H1. Freon 114	H2. trans-Decahydronaphthalene
I. 1,1-Dichloroethane	II. 2-Chloroethylvinyl ether	III. n-Butylbenzene	IIII. Isobutyl alcohol	I1. 2-Nitropropane	I2. n-Nonane
J. 1,2-Dichloroethene, total	JJ. Dichlorodifluoromethane	JJJ. 1,2-Dichlorobenzene	JJJJ. Methacrylonitrile	J1. Dimethyl disulfide	J2. n-Undecane
K. Chloroform	KK. Trichlorofluoromethane	KKK. 1,2,4-Trichlorobenzene	KKKK. Propionitrile	K1. 2,3-Dimethyl pentane	K2. Chloroprene
L. 1,2-Dichloroethane	LL. Methyl-tert-butyl ether	LLL. Hexachlorobutadiene	LLLL. Ethyl ether	L1. 2,4-Dimethyl pentane	L2. n-Butanol
M. 2-Butanone	MM. 1,2-Dibromo-3-chloropropane	MMM. Naphthalene	MMMM. Benzyl chloride	M1. 3,3-Dimethyl pentane	M2. n-Butyl acetate
N. 1,1,1-Trichloroethane	NN. Methyl ethyl ketone	NNN. 1,2,3-Trichlorobenzene	NNNN. Iodomethane	N1. 2-Methylpentane	N2. Nitrobenzene
O. Carbon tetrachloride	OO. 2,2-Dichloropropane	OOO. 1,3,5-Trichlorobenzene	OOOO. 1,1-Difluoroethane	O1. 3-Methylpentane	O2.
P. Bromodichloromethane	PP. Bromochloromethane	PPP. trans-1,2-Dichloroethene	PPPP. Tetrahydrofuran	P1. 3-Ethylpentane	P2.
Q. 1,2-Dichloropropane	QQ. 1,1-Dichloropropene	QQQ. cis-1,2-Dichloroethene	QQQQ. Methyl acetate	Q1. 2,2-Dimethylpentane	Q2.
R. cis-1,3-Dichloropropene	RR. Dibromomethane	RRR. m,p-Xylenes	RRRR. Ethyl acetate	R1. 2,2,3-Trimethylbutane	R2.
S. Trichloroethene	SS. 1,3-Dichloropropane	SSS. o-Xylene	SSSS. Cyclohexane	S1. 2,2,4-Trimethylpentane	S2.
T. Dibromochloromethane	TT. 1,2-Dibromoethane	TTT. 1,1,2-Trichloro-1,2,2-trifluoroethane	TTTT. Methylcyclohexane	T1. 2-Methylhexane	T2.
U. 1,1,2-Trichloroethane	UU. 1,1,1,2-Tetrachloroethane	UUU. 1,2-Dichlorotetrafluoroethane	UUUU. Allyl chloride	U1. Nonanal	U2.
V. Benzene	VV. Isopropylbenzene	VVV. 4-Ethyltoluene	VVVV. Methyl methacrylate	V1. 2-Methylnaphthalene	V2.
W. trans-1,3-Dichloropropene	WW. Bromobenzene	WWW. Ethanol	WWWW. Ethyl methacrylate	W1. Methanol	W2.
X. Bromoform	XX. 1,2,3-Trichloropropane	XXX. Di-isopropyl ether	XXXX. cis-1,4-Dichloro-2-butene	X1. 1,2,3-Trimethylbenzene	X2.
Y. 4-Methyl-2-pentanone	YY. n-Propylbenzene	YYY. tert-Butanol	YYYY. trans-1,4-Dichloro-2-butene	Y1. 2-Propanol	Y2.
Z. 2-Hexanone	ZZ. 2-Chlorotoluene	ZZZ. tert-Butyl alcohol	ZZZZ. Pentachloroethane	Z1. p-Diethylbenzene	Z2.

VALIDATION FINDINGS WORKSHEET Initial Calibration Calculation Verification

METHOD: GC/MS VOA (EPA SW 846 Method 8260B-SIM)

The Relative Response Factor (RRF), average RRF, and percent relative standard deviation (%RSD) were recalculated for the compounds identified below using the following calculations:

$$RRF = (A_x)(C_{is}) / (A_{is})(C_x)$$

average RRF = sum of the RRFs/number of standards

$$\%RSD = 100 * (S/X)$$

A_x = Area of compound,

C_x = Concentration of compound,

S = Standard deviation of the RRFs

X = Mean of the RRFs

A_{is} = Area of associated internal standard

C_{is} = Concentration of internal standard

#	Standard ID	Calibration Date	Compound (Reference Internal Standard)	Reported	Recalculated	Reported	Recalculated	Reported	Recalculated
				RRF (10 std)	RRF (10 std)	Average RRF (initial)	Average RRF (initial)	%RSD	%RSD
1	KAL	3/20/21	5 (1st internal standard)	0.070	0.070	0.075	0.075	13.97	13.97
			(2nd internal standard)						
			(3rd internal standard)						
			(4th internal standard)						
2			(1st internal standard)						
			(2nd internal standard)						
			(3rd internal standard)						
			(4th internal standard)						
3			(1st internal standard)						
			(2nd internal standard)						
			(3rd internal standard)						
			(4th internal standard)						
4			(1st internal standard)						
			(2nd internal standard)						
			(3rd internal standard)						
			(4th internal standard)						

Comments: Refer to Initial Calibration findings worksheet for list of qualifications and associated samples when reported results do not agree within 10.0% of the recalculated results.

VALIDATION FINDINGS WORKSHEET Continuing Calibration Results Verification

METHOD: GC/MS VOA (EPA SW 846 Method 8260B_SIM)

The percent difference (%D) of the initial calibration average Relative Response Factors (RRFs) and the continuing calibration RRFs were recalculated for the compounds identified below using the following calculation:

% Difference = $100 * (\text{ave. RRF} - \text{RRF}) / \text{ave. RRF}$
 $\text{RRF} = (A_x)(C_{is}) / (A_{is})(C_x)$

Where: ave. RRF = initial calibration average RRF
 RRF = continuing calibration RRF
 A_x = Area of compound, A_{is} = Area of associated internal standard
 C_x = Concentration of compound, C_{is} = Concentration of internal standard

#	Standard ID	Calibration Date	Compound (Reference internal Standard)	Average RRF (initial)	Reported RRF (CC)	Recalculated RRF (CC)	Reported %D	Recalculated %D
1	<u>NO1302A</u>	<u>8/23/11</u>	<u>5</u> (1st internal standard)	<u>0.075</u>	<u>0.074</u>	<u>0.074</u>	<u>1.3</u>	<u>1.1</u>
			(2nd internal standard)					
			(3rd internal standard)					
			(4th internal standard)					
2			(1st internal standard)					
			(2nd internal standard)					
			(3rd internal standard)					
			(4th internal standard)					
3			(1st internal standard)					
			(2nd internal standard)					
			(3rd internal standard)					
			(4th internal standard)					
4			(1st internal standard)					
			(2nd internal standard)					
			(3rd internal standard)					
			(4th internal standard)					

Comments: Refer to Continuing Calibration findings worksheet for list of qualifications and associated samples when reported results do not agree within 10.0% of the recalculated results.

VALIDATION FINDINGS WORKSHEET
Surrogate Results Verification

METHOD: GC/MS VOA (EPA SW 846 Method 8260B-SIM)

The percent recoveries (%R) of surrogates were recalculated for the compounds identified below using the following calculation:

% Recovery: SF/SS * 100

Where: SF = Surrogate Found
 SS = Surrogate Spiked

Sample ID: 2

	Surrogate Spiked	Surrogate Found	Percent Recovery Reported	Percent Recovery Recalculated	Percent Difference
Dibromofluoromethane					
1,2-Dichloroethane-d4	5.80	5.38	108	108	
Toluene-d8	↓	5.75	105	105	
Bromofluorobenzene					

Sample ID: _____

	Surrogate Spiked	Surrogate Found	Percent Recovery Reported	Percent Recovery Recalculated	Percent Difference
Dibromofluoromethane					
1,2-Dichloroethane-d4					
Toluene-d8					
Bromofluorobenzene					

Sample ID: _____

	Surrogate Spiked	Surrogate Found	Percent Recovery Reported	Percent Recovery Recalculated	Percent Difference
Dibromofluoromethane					
1,2-Dichloroethane-d4					
Toluene-d8					
Bromofluorobenzene					

Sample ID: _____

	Surrogate Spiked	Surrogate Found	Percent Recovery Reported	Percent Recovery Recalculated	Percent Difference
Dibromofluoromethane					
1,2-Dichloroethane-d4					
Toluene-d8					
Bromofluorobenzene					

Sample ID: _____

	Surrogate Spiked	Surrogate Found	Percent Recovery Reported	Percent Recovery Recalculated	Percent Difference
Dibromofluoromethane					
1,2-Dichloroethane-d4					
Toluene-d8					
Bromofluorobenzene					

VALIDATION FINDINGS WORKSHEET

Matrix Spike/Matrix Spike Duplicates Results Verification

METHOD: GC/MS VOA (EPA SW 846 Method 8260B-SIM)

The percent recoveries (%R) and Relative Percent Difference (RPD) of the matrix spike and matrix spike duplicate were recalculated for the compounds identified below using the following calculation:

% Recovery = $100 * (SSC - SC) / SA$

Where: SSC = Spiked sample concentration
 SA = Spike added

SC = Sample concentration

RPD = $|MSC - MSC| * 2 / (MSC + MSDC)$

MSC = Matrix spike concentration

MSDC = Matrix spike duplicate concentration

MS/MSD sample: 6/7

Compound	Spike Added (<u>ug/L</u>)		Sample Concentration (<u>ug/L</u>)	Spiked Sample Concentration (<u>ug/L</u>)		Matrix Spike		Matrix Spike Duplicate		MS/MSD	
	MS	MSD	-----	MS	MSD	Percent Recovery		Percent Recovery		RPD	
						Reported	Recalc	Reported	Recalc	Reported	Recalculated
<u>S</u>	<u>25</u>	<u>25</u>	<u>8.4</u>	<u>32.8</u>	<u>31.2</u>	<u>98</u>	<u>98</u>	<u>91</u>	<u>91</u>	<u>5</u>	<u>5</u>

Comments: Refer to Matrix Spike/Matrix Spike Duplicates findings worksheet for list of qualifications and associated samples when reported results do not agree within 10.0% of the recalculated results.

VALIDATION FINDINGS WORKSHEET

Laboratory Control Sample Results Verification

METHOD: GC/MS VOA (EPA SW 846 Method 8260B-SIM)

The percent recoveries (%R) and Relative Percent Difference (RPD) of the laboratory control sample and laboratory control sample duplicate (if applicable) were recalculated for the compounds identified below using the following calculation:

% Recovery = 100 * SSC/SA

Where: SSC = Spiked sample concentration
 SA = Spike added

RPD = | LCSC - LCSDC | * 2 / (LCSC + LCSDC)

LCSC = Laboratory control sample concentration LCSDC = Laboratory control sample duplicate concentration

LCS ID: VN6710-BS

Compound	Spike Added (<u>NA</u>)		Spiked Sample Concentration (<u>NA</u>)		LCS		LCSD		LCS/LCSD	
	LCS	LCSD	LCS	LCSD	Percent Recovery		Percent Recovery		RPD	
					Reported	Recalc.	Reported	Recalc.	Reported	Recalculated
<u>S</u>	<u>5</u>	<u>NA</u>	<u>5.4</u>	<u>NA</u>	<u>108</u>	<u>108</u>				

Comments: Refer to Laboratory Control Sample findings worksheet for list of qualifications and associated samples when reported results do not agree within 10.0% of the recalculated results.



LABORATORY DATA CONSULTANTS, INC.

2701 Loker Ave. West, Suite 220, Carlsbad, CA 92010 Bus: 760-827-1100 Fax: 760-827-1099

AHTNA
296 12th Street
Marina, CA 93933
ATTN: Mr. Eric A. Schmidt
eschmidt@ahtna.net

September 6, 2024

SUBJECT: Fort Ord, OUCTP Upper - Data Validation

Dear Mr. Schmidt,

Enclosed are the final validation reports for the fraction listed below. This SDG was received on September 3, 2024. Attachment 1 is a summary of the samples that were reviewed for each analysis.

LDC Project #59610:

SDG #

FC18257

Fraction

Volatile

The data validation was performed under Stage 2B & 4 guidelines. The analysis was validated using the following documents, as applicable to each method:

- Quality Assurance Project Plan Volume I, Appendix A for Groundwater Remedies and Monitoring at Operable Unit 2, Sites 2 and 12, and Operable Unit Carbon Tetrachloride Plume, Former Fort Ord, California (Revision 8, July 2020)
- U.S. Department of Defense (DoD) Quality Systems Manual (QSM) for Environmental Laboratories, Version 5.1 (2017)
- U.S. DoD Data Validation Guidelines Module 1: Data Validation Procedure for Organic Analysis by GC/MS (May 2020)
- EPA SW 846, Third Edition, Test Methods for Evaluating Solid Waste, update 1, July 1992; update IIA, August 1993; update II, September 1994; update IIB, January 1995; update III, December 1996; update IIIA, April 1998; IIIB, November 2004; update IV, February 2007; update V, July 2014; update VI, July 2018

Please feel free to contact us if you have any questions.

Sincerely,

Pei Geng
pgeng@lab-data.com
Project Manager/Senior Chemist

ADR/Stage 4 90/10

LDC# 59610 (AHTNA Engineering Services - Marina, CA / Fort Ord, OUCTP-Upper)

Project # 21065.000.01.0000

LDC	SDG#	DATE REC'D	(3) DATE DUE	(1)VOA (8260D -SIM)																																	
					W	S	W	S	W	S	W	S	W	S	W	S	W	S	W	S	W	S	W	S	W	S	W	S	W	S	W	S	W	S	W	S	
Matrix:	Water/Soil				W	S	W	S	W	S	W	S	W	S	W	S	W	S	W	S	W	S	W	S	W	S	W	S	W	S	W	S	W	S	W	S	
A	FC18257	09/03/24	09/24/24	2 0																																	
A	FC18257	09/03/24	09/24/24	1 0																																	

LDC Report# 59610

**Automated Data Review Data Validation Report
Fort Ord, OUCTP-Upper**

Sample Delivery Group(s)

FC18257

September 5, 2024

Introduction

This Data Validation Report (DVR) presents data validation findings and results for the associated samples collected during the August 2024 sampling period. Data validation was performed in accordance with the Quality Assurance Project Plan Volume I, Appendix A for Groundwater Remedies and Monitoring at Operable Unit 2, Sites 2 and 12, and Operable Unit Carbon Tetrachloride Plume, Former Fort Ord, California (Revision 8, July 2020), the U.S. Department of Defense (DoD) Quality Systems Manual (QSM) for Environmental Laboratories, Version 5.1 (2017), and the U.S. DoD Data Validation Guidelines Module 1: Data Validation Procedure for Organic Analysis by GC/MS (May 2020). Where specific guidance was not available, the data has been evaluated in a conservative manner consistent with industry standards using professional experience.

The analyses were performed by the following method(s):

Carbon Tetrachloride by Environmental Protection Agency (EPA) SW 846 Method 8260D in Selected Ion Monitoring (SIM) mode

Sample identifications, methods of analyses performed, and review levels on each sample are presented in Attachment 1. Overall data qualification summary is presented in Attachment 2. Automated Data Review outliers and manual data validation worksheets are presented in Enclosure I.

All sample results were subjected to Stage 2B data validation, which comprises an evaluation of quality control (QC) summary results. Approximately 10 percent of samples were subjected to Stage 4 data validation, which is comprised of the QC summary forms as well as the raw data, to confirm sample quantitation and identification.

The following are definitions of the data qualifiers utilized during data validation:

- J+ The result was an estimated quantity, but the result may be biased high.
- J- The result was an estimated quantity, but the result may be biased low.
- J The reported result was an estimated quantity value with an unknown bias.
- U The analyte was not detected and was reported as less than the LOD or as defined by the customer. The LOD has been adjusted for any dilution or concentration of the sample.
- UJ The analyte was not detected and was reported as less than the LOD or as defined by the customer. However, the associated numerical value is approximate.
- N The analysis indicates the presence of an analyte for which there was presumptive evidence to make a "tentative identification".
- NJ The analyte has been "tentatively identified" or "presumptively identified" as present, and the associated numerical value was the estimated concentration in the sample.
- X The sample results (including non-detects) were affected by serious deficiencies in the ability to analyze the sample and to meet published method and project quality control criteria. The presence or absence of the analyte cannot be substantiated by the data provided. Acceptance or rejection of the data should be decided by the project team (which should include a Project Chemist), but exclusion of the data is recommended.
- NA (Not Applicable): The non-conformance discovered during data validation demonstrates a high bias, while the affected analyte in the associated sample(s) was reported as not detected by the laboratory and did not warrant the qualification of the data.

Sample Receipt & Technical Holding Times

All samples were received in good condition and cooler temperatures upon receipt met validation criteria.

All technical holding time requirements were met.

Instrument Performance Check

A bromofluorobenzene (BFB) tune was performed at 12 hour intervals.

All ion abundance requirements were met.

Initial Calibration and Initial Calibration Verification

An initial calibration was performed as required by the method.

The percent relative standard deviations (%RSD) were less than or equal to 15.0%.

Average relative response factors (RRF) were within validation criteria.

The percent differences (%D) of the initial calibration verification (ICV) standard were less than or equal to 20.0%.

Continuing Calibration

Continuing calibration was performed at the required frequencies.

The percent differences (%D) were less than or equal to 20.0%.

The percent differences (%D) of the ending continuing calibration verifications (CCVs) were less than or equal to 50.0%.

All of the continuing calibration relative response factors (RRF) were within validation criteria.

Laboratory Blanks

Laboratory blanks were performed as required by the method. No contaminant concentrations were detected in the laboratory blanks.

Field Blanks

One trip blank was collected and analyzed. No contaminants were found.

Surrogate Spikes

Surrogates were added to all samples and blanks as required by the method. All surrogate recoveries (%R) were within QC limits.

Matrix Spike/Matrix Spike Duplicates

Matrix spike (MS) and matrix spike duplicate (MSD) sample analysis was performed on an associated project sample. Percent recoveries (%R) and relative percent differences (RPD) were within QC limits.

Laboratory Control Samples

Laboratory control samples (LCS) were analyzed as required by the method. Percent recoveries (%R) were within QC limits.

Field Duplicates

No field duplicates were identified in this SDG.

Internal Standards

All internal standard areas and retention times were within QC limits.

Target Analyte Quantitation

The laboratory reporting limits were evaluated. All laboratory reporting limits met the specified requirements.

All results reported below the limit of quantitation (LOQ) as detected by the laboratory were qualified as detected estimated (J). The details regarding the qualification of data are provided in Enclosure I.

Target Analyte Identification

All target analyte identifications met validation criteria for samples which underwent Stage 4 validation. Raw data were not reviewed for Stage 2B validation.

Manual integrations were reviewed and were considered acceptable. The laboratory provided before and after integration printouts.

Overall Assessment of Data

The analysis was conducted within all specifications of the method. No results were recommended for exclusion in this SDG.

Due to results below the LOQ, data were qualified as estimated in one sample.

Data flags are summarized and are presented as Attachment 2.

Attachment 1
Sample Cross Reference

Sample Cross Reference

Date Collected	Field Sample ID	Lab Sample ID	Sample Type	Prep Method	Analytical Method	Review Level
20-Aug-2024	24340BWX208A	FC18257-1	TB	5030B	W846 8260D BY SIF	Stage 2B
20-Aug-2024	2434X0BW035F	FC18257-2	N	5030B	W846 8260D BY SIF	Stage 4
20-Aug-2024	2434X0BW035FMS	FC18257-2MS	MS	5030B	W846 8260D BY SIF	Stage 4
20-Aug-2024	2434X0BW035FMSD	FC18257-2MSD	MSD	5030B	W846 8260D BY SIF	S4VM
20-Aug-2024	2434W0BW172F	FC18257-3	N	5030B	W846 8260D BY SIF	Stage 2B

Attachment 2

Overall Data Qualification Summary

Data Qualifier Summary

Lab Reporting Batch ID: FC18257

Laboratory: ACTO

EDD Filename: FC18257ACTO

eQAPP Name: FtOrd_UFP_QAPP_Rev9_3

Method Category: VOA
Method: SW846 8260D BY SIM **Matrix:** AQ

Sample ID: 2434X0BW035F **Collected:** 8/20/2024 1:53:00 PM **Analysis Type:** 1RES **Dilution:** 1.00

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
CARBON TETRACHLORIDE	0.38	J	0.25	LOD	0.50	LOQ	ug/L	J	RI

* denotes a non-reportable result

Project Name and Number: - Fort Ord Groundwater Monitoring

9/5/2024 10:08:09 AM

ADR version 1.9.0.325

Page 1 of 2

Data Qualifier Summary

Lab Reporting Batch ID: FC18257

Laboratory: ACTO

EDD Filename: FC18257ACTO

eQAPP Name: FtOrd_UFP_QAPP_Rev9_3

Reason Code Legend

<i>Reason Code</i>	<i>Description</i>
RI	Reporting Limit Trace Value

* denotes a non-reportable result

Project Name and Number: - Fort Ord Groundwater Monitoring

9/5/2024 10:08:09 AM

ADR version 1.9.0.325

Page 2 of 2

Enclosure I
Validation Outlier Reports

Quality Control Outlier Reports

FC18257

Reporting Limit Outliers

Lab Reporting Batch ID: FC18257

Laboratory: ACTO

EDD Filename: FC18257ACTO

eQAPP Name: FtOrd_UFP_QAPP_Rev9_3

Method: SW846 8260D BY SIM

Matrix: AQ

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
2434X0BW035F	CARBON TETRACHLORIDE	J	0.38	0.50	LOQ	ug/L	J (all detects)

METHOD: GC/MS Carbon Tetrachloride (EPA SW-846 Method 8260D-SIM)

The samples listed below were reviewed for each of the following validation areas. Validation findings are noted in attached validation findings worksheets.

	Validation Area		Comments
I.	Sample receipt/Technical holding times	A	
II.	GC/MS Instrument performance check	A	
III.	Initial calibration/ICV	A/A	RSD ≤ 15% 12/5 20/0
IV.	Continuing calibration / Closing CCV	A	0 ≤ 20/50%
V.	Laboratory Blanks	A	
VI.	Field blanks	ND	TB=1
VII.	Surrogate spikes	A	
VIII.	Matrix spike/Matrix spike duplicates	A	
IX.	Laboratory control samples	A	LCS
X.	Field duplicates	N	
XI.	Internal standards	A	
XII.	Target analyte quantitation	A	Reviewed for Stage 4 validation.
XIII.	Target analyte identification	A	Reviewed for Stage 4 validation. M/
XIV.	Overall assessment of data	A	

Note: A = Acceptable ND = No compounds detected D = Duplicate SB=Source blank
 N = Not provided/applicable R = Rinsate TB = Trip blank OTHER:
 SW = See worksheet FB = Field blank EB = Equipment blank

**Indicates samples underwent Stage 4 validation

	Client ID	Lab ID	Matrix	Date
1	24340BWX208A	FC18257-1	Water	08/20/24
2	2434X0BW035F**	FC18257-2**	Water	08/20/24
3	2434W0BW172F	FC18257-3	Water	08/20/24
4	2434X0BW035FMS	FC18257-2MS	Water	08/20/24
5	2434X0BW035FMSD	FC18257-2MSD	Water	08/20/24
6				
7				
8				
9				
10				

Notes:

1	11670-9				

Method: Volatiles (EPA SW 846 Method 8260B-SIM)

Validation Area	Yes	No	NA	Findings/Comments
I. Technical holding times				
Were all technical holding times met?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Was cooler temperature criteria met?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
II. GC/MS Instrument performance check (Not required)				
Were the BFB performance results reviewed and found to be within the specified criteria?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Were all samples analyzed within the 12 hour clock criteria?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
IIIa. Initial calibration				
Did the laboratory perform a 5 point calibration prior to sample analysis?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Were all percent relative standard deviations (%RSD) \leq 15% and relative response factors (RRF) \geq 0.05??	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Was a curve fit used for evaluation? If yes, did the initial calibration meet the curve fit acceptance criteria of > 0.990 ?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
IIIb. Initial Calibration Verification				
Was an initial calibration verification standard analyzed after each initial calibration for each instrument?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Were all percent difference (%D) \leq 20% or percent recoveries (%R) 80-120%?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
IV. Continuing calibration				
Was a continuing calibration standard analyzed at least once every 12 hours for each instrument?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Were all percent differences (%D) \leq 20% and relative response factors (RRF) > 0.05 ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
V. Laboratory Blanks				
Was a laboratory blank associated with every sample in this SDG?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Was a laboratory blank analyzed at least once every 12 hours for each matrix and concentration?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Was there contamination in the laboratory blanks? If yes, please see the Blanks validation findings worksheet.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
VI. Field blanks				
Were field blanks identified in this SDG?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Were target analytes detected in the field blanks?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
VII. Surrogate spikes				
Were all surrogate percent recovery (%R) within QC limits?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
If the percent recovery (%R) for one or more surrogates was out of QC limits, was a reanalysis performed to confirm samples with %R outside of criteria?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
VIII. Matrix spike/Matrix spike duplicates				
Were matrix spike (MS) and matrix spike duplicate (MSD) analyzed in this SDG?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Were the MS/MSD percent recoveries (%R) and the relative percent differences (RPD) within the QC limits?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

Validation Area	Yes	No	NA	Findings/Comments
IX. Laboratory control samples				
Was an LCS analyzed per analytical batch?	/			
Were the LCS percent recoveries (%R) and relative percent difference (RPD) within the QC limits?	/			
X. Field duplicates				
Were field duplicate pairs identified in this SDG?		/		
Were target analytes detected in the field duplicates?			/	
XI. Internal standards				
Were internal standard area counts within -50% or +100% of the associated calibration standard?	/			
Were retention times within + 30 seconds of the associated calibration standard?	/			
XII. Target analyte quantitation				
Did the laboratory LOQs/RLs meet the QAPP LOQs/RLs?	/			
Were the correct internal standard (IS), quantitation ion and relative response factor (RRF) used to quantitate the target analyte?	/			
Were target analyte quantitation and RLs adjusted to reflect all sample dilutions and dry weight factors applicable to level IV validation?	/			
Were manual integrations reviewed and found acceptable?	/			
Did the laboratory provide before and after integration printouts?	/			
XIII. Target analyte identification				
Were relative retention times (RRT's) within + 0.06 RRT units of the standard?	/			
Did analyte spectra meet specified EPA "Functional Guidelines" criteria?	/			
Were chromatogram peaks verified and accounted for?	/			
Were manual integrations performed and found acceptable?	/			
Did the lab provide before and after printouts?	/			
XV. Overall assessment of data				
Overall assessment of data was found to be acceptable.	/			

TARGET ANALYTE LIST

METHOD: VOA

A. Chloromethane	AA. Tetrachloroethene	AAA. 1,3,5-Trimethylbenzene	AAAA. Ethyl tert-butyl ether	A1. 1,3-Butadiene	A2. 1,2,4,5-Tetramethylbenzene
B. Bromomethane	BB. 1,1,2,2-Tetrachloroethane	BBB. 4-Chlorotoluene	BBBB. tert-Amyl methyl ether	B1. Hexane	B2. n-Octane
C. Vinyl chloride	CC. Toluene	CCC. tert-Butylbenzene	CCCC. 1-Chlorohexane	C1. Heptane	C2. n-Propyl alcohol
D. Chloroethane	DD. Chlorobenzene	DDD. 1,2,4-Trimethylbenzene	DDDD. Isopropyl alcohol	D1. Propylene	D2. n-Pentane
E. Methylene chloride	EE. Ethylbenzene	EEE. sec-Butylbenzene	EEEE. Acetonitrile	E1. Freon 11	E2. n-Decane
F. Acetone	FF. Styrene	FFF. 1,3-Dichlorobenzene	FFFF. Acrolein	F1. Freon 12	F2. Chlorodifluoromethane
G. Carbon disulfide	GG. Xylenes, total	GGG. p-Isopropyltoluene	GGGG. Acrylonitrile	G1. Freon 113	G2. cis-Decahydronaphthalene
H. 1,1-Dichloroethene	HH. Vinyl acetate	HHH. 1,4-Dichlorobenzene	HHHH. 1,4-Dioxane	H1. Freon 114	H2. trans-Decahydronaphthalene
I. 1,1-Dichloroethane	II. 2-Chloroethylvinyl ether	III. n-Butylbenzene	IIII. Isobutyl alcohol	I1. 2-Nitropropane	I2. n-Nonane
J. 1,2-Dichloroethene, total	JJ. Dichlorodifluoromethane	JJJ. 1,2-Dichlorobenzene	JJJJ. Methacrylonitrile	J1. Dimethyl disulfide	J2. n-Undecane
K. Chloroform	KK. Trichlorofluoromethane	KKK. 1,2,4-Trichlorobenzene	KKKK. Propionitrile	K1. 2,3-Dimethyl pentane	K2. Chloroprene
L. 1,2-Dichloroethane	LL. Methyl-tert-butyl ether	LLL. Hexachlorobutadiene	LLLL. Ethyl ether	L1. 2,4-Dimethyl pentane	L2. n-Butanol
M. 2-Butanone	MM. 1,2-Dibromo-3-chloropropane	MMM. Naphthalene	MMMM. Benzyl chloride	M1. 3,3-Dimethyl pentane	M2. n-Butyl acetate
N. 1,1,1-Trichloroethane	NN. Methyl ethyl ketone	NNN. 1,2,3-Trichlorobenzene	NNNN. Iodomethane	N1. 2-Methylpentane	N2. Nitrobenzene
O. Carbon tetrachloride	OO. 2,2-Dichloropropane	OOO. 1,3,5-Trichlorobenzene	OOOO. 1,1-Difluoroethane	O1. 3-Methylpentane	O2.
P. Bromodichloromethane	PP. Bromochloromethane	PPP. trans-1,2-Dichloroethene	PPPP. Tetrahydrofuran	P1. 3-Ethylpentane	P2.
Q. 1,2-Dichloropropane	QQ. 1,1-Dichloropropene	QQQ. cis-1,2-Dichloroethene	QQQQ. Methyl acetate	Q1. 2,2-Dimethylpentane	Q2.
R. cis-1,3-Dichloropropene	RR. Dibromomethane	RRR. m,p-Xylenes	RRRR. Ethyl acetate	R1. 2,2,3-Trimethylbutane	R2.
S. Trichloroethene	SS. 1,3-Dichloropropane	SSS. o-Xylene	SSSS. Cyclohexane	S1. 2,2,4-Trimethylpentane	S2.
T. Dibromochloromethane	TT. 1,2-Dibromoethane	TTT. 1,1,2-Trichloro-1,2,2-trifluoroethane	TTTT. Methylcyclohexane	T1. 2-Methylhexane	T2.
U. 1,1,2-Trichloroethane	UU. 1,1,1,2-Tetrachloroethane	UUU. 1,2-Dichlorotetrafluoroethane	UUUU. Allyl chloride	U1. Nonanal	U2.
V. Benzene	VV. Isopropylbenzene	VVV. 4-Ethyltoluene	VVVV. Methyl methacrylate	V1. 2-Methylnaphthalene	V2.
W. trans-1,3-Dichloropropene	WW. Bromobenzene	WWW. Ethanol	WWWW. Ethyl methacrylate	W1. Methanol	W2.
X. Bromoform	XX. 1,2,3-Trichloropropane	XXX. Di-isopropyl ether	XXXX. cis-1,4-Dichloro-2-butene	X1. 1,2,3-Trimethylbenzene	X2.
Y. 4-Methyl-2-pentanone	YY. n-Propylbenzene	YYY. tert-Butanol	YYYY. trans-1,4-Dichloro-2-butene	Y1. 2-Propanol	Y2.
Z. 2-Hexanone	ZZ. 2-Chlorotoluene	ZZZ. tert-Butyl alcohol	ZZZZ. Pentachloroethane	Z1. p-Diethylbenzene	Z2.

VALIDATION FINDINGS WORKSHEET Initial Calibration Calculation Verification

METHOD: GC/MS VOA (EPA SW 846 Method 8260B-SIM)

The Relative Response Factor (RRF), average RRF, and percent relative standard deviation (%RSD) were recalculated for the compounds identified below using the following calculations:

$$RRF = (A_x)(C_{is}) / (A_{is})(C_x)$$

average RRF = sum of the RRFs/number of standards

$$\%RSD = 100 * (S/X)$$

A_x = Area of compound,

C_x = Concentration of compound,

S = Standard deviation of the RRFs

X = Mean of the RRFs

A_{is} = Area of associated internal standard

C_{is} = Concentration of internal standard

#	Standard ID	Calibration Date	Compound (Reference Internal Standard)	Reported	Recalculated	Reported	Recalculated	Reported	Recalculated
				RRF (10 std)	RRF (10 std)	Average RRF (initial)	Average RRF (initial)	%RSD	%RSD
1	1CA<	8/20/24	0 (1st internal standard)	0.070	0.070	0.075	0.075	12.09	12.09
			(2nd internal standard)						
			(3rd internal standard)						
			(4th internal standard)						
2			(1st internal standard)						
			(2nd internal standard)						
			(3rd internal standard)						
			(4th internal standard)						
3			(1st internal standard)						
			(2nd internal standard)						
			(3rd internal standard)						
			(4th internal standard)						
4			(1st internal standard)						
			(2nd internal standard)						
			(3rd internal standard)						
			(4th internal standard)						

Comments: Refer to Initial Calibration findings worksheet for list of qualifications and associated samples when reported results do not agree within 10.0% of the recalculated results.

VALIDATION FINDINGS WORKSHEET
Continuing Calibration Results Verification

METHOD: GC/MS VOA (EPA SW 846 Method 8260B_SIM)

The percent difference (%D) of the initial calibration average Relative Response Factors (RRFs) and the continuing calibration RRFs were recalculated for the compounds identified below using the following calculation:

% Difference = 100 * (ave. RRF - RRF)/ave. RRF
 RRF = (A_x)(C_{is})/(A_{is})(C_x)

Where: ave. RRF = initial calibration average RRF
 RRF = continuing calibration RRF
 A_x = Area of compound, A_{is} = Area of associated internal standard
 C_x = Concentration of compound, C_{is} = Concentration of internal standard

#	Standard ID	Calibration Date	Compound (Reference internal Standard)	Average RRF (initial)	Reported RRF (CC)	Recalculated RRF (CC)	Reported %D	Recalculated %D
1	N6132280	8/27/24	0 (1st internal standard)	0.075	0.074	0.074	1.3	1.3
			(2nd internal standard)					
			(3rd internal standard)					
			(4th internal standard)					
2			(1st internal standard)					
			(2nd internal standard)					
			(3rd internal standard)					
			(4th internal standard)					
3			(1st internal standard)					
			(2nd internal standard)					
			(3rd internal standard)					
			(4th internal standard)					
4			(1st internal standard)					
			(2nd internal standard)					
			(3rd internal standard)					
			(4th internal standard)					

Comments: Refer to Continuing Calibration findings worksheet for list of qualifications and associated samples when reported results do not agree within 10.0% of the recalculated results.

VALIDATION FINDINGS WORKSHEET

Surrogate Results Verification

METHOD: GC/MS VOA (EPA SW 846 Method 8260B-SIM)

The percent recoveries (%R) of surrogates were recalculated for the compounds identified below using the following calculation:

% Recovery: SF/SS * 100

 Where: SF = Surrogate Found
 SS = Surrogate Spiked

Sample ID: 2

	Surrogate Spiked	Surrogate Found	Percent Recovery Reported	Percent Recovery Recalculated	Percent Difference
Dibromofluoromethane					
1,2-Dichloroethane-d4	5.00	5.31	106	106	
Toluene-d8	↓	5.19	104	104	
Bromofluorobenzene					

Sample ID: _____

	Surrogate Spiked	Surrogate Found	Percent Recovery Reported	Percent Recovery Recalculated	Percent Difference
Dibromofluoromethane					
1,2-Dichloroethane-d4					
Toluene-d8					
Bromofluorobenzene					

Sample ID: _____

	Surrogate Spiked	Surrogate Found	Percent Recovery Reported	Percent Recovery Recalculated	Percent Difference
Dibromofluoromethane					
1,2-Dichloroethane-d4					
Toluene-d8					
Bromofluorobenzene					

Sample ID: _____

	Surrogate Spiked	Surrogate Found	Percent Recovery Reported	Percent Recovery Recalculated	Percent Difference
Dibromofluoromethane					
1,2-Dichloroethane-d4					
Toluene-d8					
Bromofluorobenzene					

Sample ID: _____

	Surrogate Spiked	Surrogate Found	Percent Recovery Reported	Percent Recovery Recalculated	Percent Difference
Dibromofluoromethane					
1,2-Dichloroethane-d4					
Toluene-d8					
Bromofluorobenzene					

VALIDATION FINDINGS WORKSHEET

Matrix Spike/Matrix Spike Duplicates Results Verification

METHOD: GC/MS VOA (EPA SW 846 Method 8260B-SIM)

The percent recoveries (%R) and Relative Percent Difference (RPD) of the matrix spike and matrix spike duplicate were recalculated for the compounds identified below using the following calculation:

% Recovery = $100 * (SSC - SC) / SA$

Where: SSC = Spiked sample concentration
 SA = Spike added

SC = Sample concentration

RPD = $|MSC - MSC1| * 2 / (MSC + MSC1)$

MSC = Matrix spike concentration

MSC1 = Matrix spike duplicate concentration

MS/MSD sample: 4/5

Compound	Spike Added (<u>100</u>)		Sample Concentration (<u>100</u>)	Spiked Sample Concentration (<u>100</u>)		Matrix Spike		Matrix Spike Duplicate		MS/MSD	
	MS	MSD		MS	MSD	Percent Recovery		Percent Recovery		RPD	
						Reported	Recalc	Reported	Recalc	Reported	Recalculated
<u>0</u>	<u>25</u>	<u>25</u>	<u>0.38</u>	<u>25.3</u>	<u>26.2</u>	<u>100</u>	<u>100</u>	<u>103</u>	<u>103</u>	<u>3</u>	<u>3</u>

Comments: Refer to Matrix Spike/Matrix Spike Duplicates findings worksheet for list of qualifications and associated samples when reported results do not agree within 10.0% of the recalculated results.

LDC #: 39610A16

VALIDATION FINDINGS WORKSHEET
Laboratory Control Sample Results Verification

Page: 1 of 1
 Reviewer: 9

METHOD: GC/MS VOA (EPA SW 846 Method 8260B-SIM)

The percent recoveries (%R) and Relative Percent Difference (RPD) of the laboratory control sample and laboratory control sample duplicate (if applicable) were recalculated for the compounds identified below using the following calculation:

% Recovery = 100 * SSC/SA

Where: SSC = Spiked sample concentration
 SA = Spike added

RPD = | LCSC - LCSDC | * 2 / (LCSC + LCSDC)

LCSC = Laboratory control sample concentration LCSDC = Laboratory control sample duplicate concentration

LCS ID: VN6709-ES

Compound	Spike Added (<u>NA</u>)		Spiked Sample Concentration (<u>NA</u>)		LCS		LCSD		LCS/LCSD	
	LCS	LCSD	LCS	LCSD	Percent Recovery		Percent Recovery		RPD	
					Reported	Recalc.	Reported	Recalc.	Reported	Recalculated
<u>0</u>	<u>5</u>	<u>NA</u>	<u>5.4</u>	<u>NA</u>	<u>108</u>	<u>108</u>				

Comments: Refer to Laboratory Control Sample findings worksheet for list of qualifications and associated samples when reported results do not agree within 10.0% of the recalculated results.

VALIDATION FINDINGS WORKSHEET

Sample Calculation Verification

METHOD: GC/MS VOA (EPA SW 846 Method 8260B-SIM)

Y N N/A
 Y N N/A

Were all reported results recalculated and verified for all level IV samples?

Were all recalculated results for detected target compounds agree within 10.0% of the reported results?

$$\text{Concentration} = \frac{(A_x)(I_s)(DF)}{(A_{is})(RRF)(V_o)(\%S)}$$

- A_x = Area of the characteristic ion (EICP) for the compound to be measured
- A_{is} = Area of the characteristic ion (EICP) for the specific internal standard
- I_s = Amount of internal standard added in nanograms (ng)
- RRF = Relative response factor of the calibration standard.
- V_o = Volume or weight of sample pruged in milliliters (ml) or grams (g).
- Df = Dilution factor.
- %S = Percent solids, applicable to soils and solid matrices only.

Example:

Sample I.D. 2, 0:

$$\text{Conc.} = \frac{(250)(50)(1)}{(4094)(0.075)(1)} = 0.38 \mu\text{g/L}$$

#	Sample ID	Compound	Reported Concentration <i>(μg/L)</i>	Calculated Concentration <i>(μg/L)</i>	Qualification
	<u>2</u>	<u>0</u>	<u>0.38</u>	<u>0.38</u>	



LABORATORY DATA CONSULTANTS, INC.

2701 Loker Ave. West, Suite 220, Carlsbad, CA 92010 Bus: 760-827-1100 Fax: 760-827-1099

AHTNA
296 12th Street
Marina, CA 93933
ATTN: Mr. Eric A. Schmidt
eschmidt@ahtna.net

September 6, 2024

SUBJECT: Fort Ord, OUCTP-A - Data Validation

Dear Mr. Schmidt,

Enclosed are the final validation reports for the fraction listed below. This SDG was received on September 3, 2024. Attachment 1 is a summary of the samples that were reviewed for each analysis.

LDC Project #59613:

<u>SDG #</u>	<u>Fraction</u>
FC18258	Volatiles
FC18261	

The data validation was performed under Stage 2B & 4 guidelines. The analysis was validated using the following documents, as applicable to each method:

- Quality Assurance Project Plan Volume I, Appendix A for Groundwater Remedies and Monitoring at Operable Unit 2, Sites 2 and 12, and Operable Unit Carbon Tetrachloride Plume, Former Fort Ord, California (Revision 8, July 2020)
- U.S. Department of Defense (DoD) Quality Systems Manual (QSM) for Environmental Laboratories, Version 5.1 (2017)
- U.S. DoD Data Validation Guidelines Module 1: Data Validation Procedure for Organic Analysis by GC/MS (May 2020)
- EPA SW 846, Third Edition, Test Methods for Evaluating Solid Waste, update I, July 1992; update IIA, August 1993; update II, September 1994; update IIB, January 1995; update III, December 1996; update IIIA, April 1998; IIIB, November 2004; update IV, February 2007; update V, July 2014; update VI, July 2018

Please feel free to contact us if you have any questions.

Sincerely,

Pei Geng
pgeng@lab-data.com
Project Manager/Senior Chemist

ADR/Stage 4 90/10

LDC# 59613 (AHTNA Engineering Services - Marina, CA / Fort Ord, OUCTP-A)

Project # 21065.000.01.0000

LDC	SDG#	DATE REC'D	(3) DATE DUE	(8)VOA (8260D-SIM)																													
						W	S	W	S	W	S	W	S	W	S	W	S	W	S	W	S	W	S	W	S	W	S	W	S	W	S	W	S
Matrix: Water/Soil						W	S	W	S	W	S	W	S	W	S	W	S	W	S	W	S	W	S	W	S	W	S	W	S	W	S	W	S
A	FC18258	09/03/24	09/24/24	10	0																												
B	FC18261	09/03/24	09/24/24	20	0																												
B	FC18261	09/03/24	09/24/24	4	0																												
Total	TR/PG			34	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	34

Shaded cells indicate Stage 4 validation (all other cells are ADR validation). These sample counts do not include MS/MSD, and DUPs

**Automated Data Review Data Validation Report
Fort Ord, OUCTP-A**

Sample Delivery Group(s)

FC18258

FC18261

September 5, 2024

Introduction

This Data Validation Report (DVR) presents data validation findings and results for the associated samples collected during the August 2024 sampling period. Data validation was performed in accordance with the Quality Assurance Project Plan Volume I, Appendix A for Groundwater Remedies and Monitoring at Operable Unit 2, Sites 2 and 12, and Operable Unit Carbon Tetrachloride Plume, Former Fort Ord, California (Revision 8, July 2020), the U.S. Department of Defense (DoD) Quality Systems Manual (QSM) for Environmental Laboratories, Version 5.1 (2017), and the U.S. DoD Data Validation Guidelines Module 1: Data Validation Procedure for Organic Analysis by GC/MS (May 2020). Where specific guidance was not available, the data has been evaluated in a conservative manner consistent with industry standards using professional experience.

The analyses were performed by the following method(s):

Volatile Organic Compounds (VOCs) by Environmental Protection Agency (EPA) SW 846 Method 8260D in Selected Ion Monitoring (SIM) mode

Sample identifications, methods of analyses performed, and review levels on each sample are presented in Attachment 1. Overall data qualification summary is presented in Attachment 2. Automated Data Review outliers and manual data validation worksheets are presented in Enclosure I.

All sample results were subjected to Stage 2B data validation, which comprises an evaluation of quality control (QC) summary results. Approximately 10 percent of samples were subjected to Stage 4 data validation, which is comprised of the QC summary forms as well as the raw data, to confirm sample quantitation and identification.

The following are definitions of the data qualifiers utilized during data validation:

- J+ The result was an estimated quantity, but the result may be biased high.
- J- The result was an estimated quantity, but the result may be biased low.
- J The reported result was an estimated quantity value with an unknown bias.
- U The analyte was not detected and was reported as less than the LOD or as defined by the customer. The LOD has been adjusted for any dilution or concentration of the sample.
- UJ The analyte was not detected and was reported as less than the LOD or as defined by the customer. However, the associated numerical value is approximate.
- N The analysis indicates the presence of an analyte for which there was presumptive evidence to make a "tentative identification".
- NJ The analyte has been "tentatively identified" or "presumptively identified" as present, and the associated numerical value was the estimated concentration in the sample.
- X The sample results (including non-detects) were affected by serious deficiencies in the ability to analyze the sample and to meet published method and project quality control criteria. The presence or absence of the analyte cannot be substantiated by the data provided. Acceptance or rejection of the data should be decided by the project team (which should include a Project Chemist), but exclusion of the data is recommended.
- NA (Not Applicable): The non-conformance discovered during data validation demonstrates a high bias, while the affected analyte in the associated sample(s) was reported as not detected by the laboratory and did not warrant the qualification of the data.

Sample Receipt & Technical Holding Times

All samples were received in good condition and cooler temperatures upon receipt met validation criteria.

All technical holding time requirements were met.

Instrument Performance Check

A bromofluorobenzene (BFB) tune was performed at 12 hour intervals.

All ion abundance requirements were met.

Initial Calibration and Initial Calibration Verification

An initial calibration was performed as required by the method.

For analytes where average relative response factors (RRFs) were utilized, the percent relative standard deviations (%RSD) were less than or equal to 15.0%.

In the case where the laboratory used a calibration curve to evaluate the analytes, all coefficients of determination (r^2) were greater than or equal to 0.990.

Average relative response factors (RRF) for all analytes were within validation criteria.

The percent differences (%D) of the initial calibration verification (ICV) standard were less than or equal to 20.0% for all analytes.

Continuing Calibration

Continuing calibration was performed at the required frequencies.

The percent differences (%D) were less than or equal to 20.0% for all analytes with the following exceptions:

SDG	Date	Analyte	%D	Associated Samples	Flag
FC18258	08/28/24	Vinyl chloride	52.4	2434W0BW219A 2434W0BW159F 2434W0BW174D	NA
FC18261	08/29/24	Vinyl chloride	46.1	2434X0BW185F	NA
FC18261	08/29/24	Methylene chloride	47.1	2434X0BW185F	J (all detects)

The percent differences (%D) of the ending continuing calibration verifications (CCVs) were less than or equal to 50.0% for all analytes with the following exceptions:

SDG	Date	Analyte	%D	Associated Samples	Flag
FC18258	08/28/24	Vinyl chloride	51.1	2434W0BW219A 2434W0BW159F 2434W0BW174D	NA
FC18258	08/28/24	Methylene chloride	108.9	2434W0BW219A 2434W0BW159F 2434W0BW174D	J (all detects)

All of the continuing calibration relative response factors (RRF) were within validation criteria.

Laboratory Blanks

Laboratory blanks were performed as required by the method. No contaminant concentrations were detected in the laboratory blanks with the exception of four blanks for methylene chloride. The associated sample results were qualified as non-detected (U) due to laboratory blank contamination as applicable. The sample results that were not detected or were significantly greater than the concentrations found in the associated blanks were not qualified. The details regarding the qualification of data are presented in Enclosure I.

Field Blanks

Three trip blanks were collected and analyzed. One trip blank had detections for methylene chloride and one trip blank had detections for chloroform and methylene chloride. The associated sample results were qualified as non-detected (U) due to trip blank contamination as applicable. The sample results that were not detected or were significantly greater than the concentrations found in the trip blanks were not qualified. The trip blank outlier reports are presented in Enclosure I.

Four field blanks were collected and analyzed. No contaminants were found.

Surrogate Spikes

Surrogates were added to all samples as required by the method. All surrogate recoveries (%R) were within QC limits.

Matrix Spike/Matrix Spike Duplicates

Matrix spike (MS) and matrix spike duplicate (MSD) sample analysis was performed on an associated project sample. Percent recoveries (%R) and relative percent differences (RPD) were within QC limits with the exception of one MS/MSD pair for methylene chloride. No data were qualified due to high %Rs when the associated results were non-detected. The details regarding the qualification of data are presented in Enclosure I.

Laboratory Control Samples

Laboratory control samples (LCS) were analyzed as required by the method. Percent recoveries (%R) were within QC limits with the exception of two LCS for methylene chloride. The associated sample results were qualified as detected estimated (J+) as applicable. The details regarding the qualification of data are presented in Enclosure I.

Field Duplicates

Two field duplicate pairs were collected and analyzed. All RPDs were within QC limits. The field duplicate result comparisons are presented in Enclosure I.

Internal Standards

All internal standard areas and retention times were within QC limits.

Target Analyte Quantitation

The laboratory reporting limits were evaluated. All laboratory reporting limits met the specified requirements.

All analytes reported below the limit of quantitation (LOQ) as detected by the laboratory were qualified as detected estimated (J). The details regarding the qualification of data are provided in Enclosure I.

Target Analyte Identification

All target analyte identifications met validation criteria for samples which underwent Stage 4 validation. Raw data were not reviewed for Stage 2B validation.

Manual integrations were reviewed and were considered acceptable. The laboratory provided before and after integration printouts.

Overall Assessment of Data

The analysis was conducted within all specifications of the method. No results were recommended for exclusion in this SDG.

Due to continuing calibration %D, data were qualified as estimated in one sample.

Due to ending CCV %D, data were qualified as estimated in three samples.

Due to LCS %R, data were qualified as estimated in four samples.

Due to results below the LOQ, data were qualified as estimated in twenty-four samples.

Due to laboratory blank contamination, data were qualified as not detected in fifteen samples.

Due to trip blank contamination, data were qualified as not detected in eighteen samples.

Data flags are summarized and are presented as Attachment 2.

Attachment 1
Sample Cross Reference

Sample Cross Reference

Date Collected	Field Sample ID	Lab Sample ID	Sample Type	Prep Method	Analytical Method	Review Level
19-Aug-2024	24340BWX211A	FC18261-1	TB	5030B	W846 8260D BY SIF	Stage 2B
19-Aug-2024	2434X0BW037F	FC18261-2	N	5030B	W846 8260D BY SIF	Stage 2B
19-Aug-2024	2434X0BW181F	FC18261-3	N	5030B	W846 8260D BY SIF	Stage 2B
19-Aug-2024	2434X0BW033F	FC18261-4	N	5030B	W846 8260D BY SIF	Stage 2B
19-Aug-2024	2434X0BW180F	FC18261-5	N	5030B	W846 8260D BY SIF	Stage 2B
19-Aug-2024	2434X0BW044F	FC18261-6	N	5030B	W846 8260D BY SIF	Stage 2B
19-Aug-2024	2434X0BW187F	FC18261-7	N	5030B	W846 8260D BY SIF	Stage 4
19-Aug-2024	2434X0BW065D	FC18261-8	FD	5030B	W846 8260D BY SIF	Stage 2B
19-Aug-2024	2434X0BW032F	FC18261-9	N	5030B	W846 8260D BY SIF	Stage 4
19-Aug-2024	2434X0BW047F	FC18261-10	N	5030B	W846 8260D BY SIF	Stage 2B
19-Aug-2024	2434X0BW189F	FC18261-11	N	5030B	W846 8260D BY SIF	Stage 2B
19-Aug-2024	2434X0BW046F	FC18261-12	N	5030B	W846 8260D BY SIF	Stage 2B
19-Aug-2024	2434X0BW188F	FC18261-13	N	5030B	W846 8260D BY SIF	Stage 4
19-Aug-2024	2434W0BW218A	FC18261-20	TB	5030B	W846 8260D BY SIF	Stage 2B
19-Aug-2024	2434W0BW160F	FC18261-21	N	5030B	W846 8260D BY SIF	Stage 2B
19-Aug-2024	2434W0BW201C	FC18261-22	FB	5030B	W846 8260D BY SIF	Stage 2B
19-Aug-2024	2434X0BW045F	FC18261-14	N	5030B	W846 8260D BY SIF	Stage 2B
19-Aug-2024	2434X0BW041F	FC18261-15	N	5030B	W846 8260D BY SIF	Stage 2B
19-Aug-2024	2434X0BW184F	FC18261-16	N	5030B	W846 8260D BY SIF	Stage 2B
19-Aug-2024	2434X0BW042F	FC18261-17	N	5030B	W846 8260D BY SIF	Stage 2B
19-Aug-2024	2434W0BW157F	FC18261-23	N	5030B	W846 8260D BY SIF	Stage 2B
19-Aug-2024	2434X0BW185F	FC18261-18	N	5030B	W846 8260D BY SIF	Stage 2B
19-Aug-2024	2434W0BW158F	FC18261-24	N	5030B	W846 8260D BY SIF	Stage 4
19-Aug-2024	24340BWX194C	FC18261-19	FB	5030B	W846 8260D BY SIF	Stage 2B
20-Aug-2024	2434X0BW043F	FC18258-8	N	5030B	W846 8260D BY SIF	Stage 2B
20-Aug-2024	2434X0BW186F	FC18258-9	N	5030B	W846 8260D BY SIF	Stage 2B

N = Normal Sample *TB = Trip Blank* *MS = Matrix Spike*
FD = Field Duplicate *FB = Field Blank* *MSD = Matrix Spike Duplicate*

Sample Cross Reference

Date Collected	Field Sample ID	Lab Sample ID	Sample Type	Prep Method	Analytical Method	Review Level
20-Aug-2024	2434W0BW219A	FC18258-1	TB	5030B	W846 8260D BY SII	Stage 2B
20-Aug-2024	2434W0BW159F	FC18258-2	N	5030B	W846 8260D BY SII	Stage 2B
20-Aug-2024	2434W0BW174D	FC18258-3	FD	5030B	W846 8260D BY SII	Stage 2B
20-Aug-2024	2434W0BW202C	FC18258-4	FB	5030B	W846 8260D BY SII	Stage 2B
20-Aug-2024	2434W0BW155F	FC18258-5	N	5030B	W846 8260D BY SII	Stage 2B
20-Aug-2024	2434W0BW155FMS	FC18258-5MS	MS	5030B	W846 8260D BY SII	Stage 2B
20-Aug-2024	2434W0BW155FMSD	FC18258-5MSD	MSD	5030B	W846 8260D BY SII	Stage 2B
20-Aug-2024	2434W0BW153F	FC18258-6	N	5030B	W846 8260D BY SII	Stage 2B
20-Aug-2024	2434W0BW154F	FC18258-7	N	5030B	W846 8260D BY SII	Stage 2B
20-Aug-2024	24340BWX191C	FC18258-10	FB	5030B	W846 8260D BY SII	Stage 2B

Attachment 2

Overall Data Qualification Summary

Data Qualifier Summary

Lab Reporting Batch ID: FC18258, FC18261

Laboratory: ACTO

EDD Filename: FC18258ACTO, FC18261ACTO

eQAPP Name: FtOrd_UFP_QAPP_Rev9_3

SDG: FC18258

Method Category: VOA
Method: SW846 8260D BY SIM **Matrix:** AQ

Sample ID:2434W0BW153F		8/20/2024 12:35:00			Collected:PM			Analysis Type:1RES		Dilution: 1.00	
Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code		
CHLOROFORM	0.12	J	0.25	LOD	0.50	LOQ	ug/L	J	RI		

Sample ID:2434W0BW154F		8/20/2024 1:57:00			Collected:PM			Analysis Type:1RES		Dilution: 1.00	
Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code		
CHLOROFORM	0.35	J	0.25	LOD	0.50	LOQ	ug/L	J	RI		

Sample ID:2434W0BW155F		8/20/2024 11:48:00			Collected:AM			Analysis Type:1RES		Dilution: 1.00	
Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code		
1,2-DICHLOROETHENE (TOTAL)	0.16	J	0.25	LOD	0.50	LOQ	ug/L	J	RI		

Sample ID:2434W0BW159F		8/20/2024 8:32:00			Collected:AM			Analysis Type:1RES		Dilution: 1.00	
Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code		
CHLOROFORM	0.17	J	0.25	LOD	0.50	LOQ	ug/L	J	RI		
METHYLENE CHLORIDE	1.3	JB	0.50	LOD	2.0	LOQ	ug/L	UJ	Lcs, Mb, Tb, Ccv		

Sample ID:2434W0BW174D		8/20/2024 8:37:00			Collected:AM			Analysis Type:1RES		Dilution: 1.00	
Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code		
CHLOROFORM	0.16	J	0.25	LOD	0.50	LOQ	ug/L	J	RI		
METHYLENE CHLORIDE	1.4	JB	0.50	LOD	2.0	LOQ	ug/L	UJ	Lcs, Mb, Tb, Ccv		

Sample ID:2434W0BW219A		8/20/2024 8:28:00			Collected:AM			Analysis Type:1RES		Dilution: 1.00	
Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code		
METHYLENE CHLORIDE	0.96	JB	0.50	LOD	2.0	LOQ	ug/L	UJ	Lcs, Mb, Ccv		

SDG: FC18261

* denotes a non-reportable result

Project Name and Number: - Fort Ord Groundwater Monitoring

9/5/2024 11:15:09 AM

ADR version 1.9.0.325

Page 1 of 6

Data Qualifier Summary

Lab Reporting Batch ID: FC18258, FC18261

Laboratory: ACTO

EDD Filename: FC18258ACTO, FC18261ACTO

eQAPP Name: FtOrd_UFP_QAPP_Rev9_3

SDG: FC18261

Method Category: VOA
Method: SW846 8260D BY SIM **Matrix:** AQ

Sample ID:24340BWX211A		8/19/2024 9:00:00 Collected:AM			Analysis Type:1RES			Dilution: 1.00	
Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
METHYLENE CHLORIDE	0.68	B	0.50	LOD	2.0	LOQ	ug/L	U	Mb
CHLOROFORM	0.14	J	0.25	LOD	0.50	LOQ	ug/L	J	RI

Sample ID:2434W0BW158F		8/19/2024 3:50:00 Collected:PM			Analysis Type:1RES			Dilution: 1.00	
Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
CHLOROFORM	0.14	J	0.25	LOD	0.50	LOQ	ug/L	U	Tb

Sample ID:2434X0BW032F		8/19/2024 11:56:00 Collected:AM			Analysis Type:1RES			Dilution: 1.00	
Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
CARBON TETRACHLORIDE	0.44	J	0.25	LOD	0.50	LOQ	ug/L	J	RI
CHLOROFORM	0.23	J	0.25	LOD	0.50	LOQ	ug/L	U	Tb
METHYLENE CHLORIDE	0.52	JB	0.50	LOD	2.0	LOQ	ug/L	U	Mb, Tb

Sample ID:2434X0BW033F		8/19/2024 10:50:00 Collected:AM			Analysis Type:1RES			Dilution: 1.00	
Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
CHLOROFORM	0.13	J	0.25	LOD	0.50	LOQ	ug/L	U	Tb

Sample ID:2434X0BW041F		8/19/2024 3:07:00 Collected:PM			Analysis Type:1RES			Dilution: 1.00	
Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
CARBON TETRACHLORIDE	0.23	J	0.25	LOD	0.50	LOQ	ug/L	J	RI
METHYLENE CHLORIDE	0.53	JB	0.50	LOD	2.0	LOQ	ug/L	U	Mb, Tb

Sample ID:2434X0BW042F		8/19/2024 3:34:00 Collected:PM			Analysis Type:1RES			Dilution: 1.00	
Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
CHLOROFORM	0.10	J	0.25	LOD	0.50	LOQ	ug/L	U	Tb

* denotes a non-reportable result

Project Name and Number: - Fort Ord Groundwater Monitoring

9/5/2024 11:15:10 AM

ADR version 1.9.0.325

Page 2 of 6

Data Qualifier Summary

Lab Reporting Batch ID: FC18258, FC18261

Laboratory: ACTO

EDD Filename: FC18258ACTO, FC18261ACTO

eQAPP Name: FtOrd_UFP_QAPP_Rev9_3

SDG: FC18261

Method Category: VOA
Method: SW846 8260D BY SIM **Matrix:** AQ

8/19/2024 11:25:00									
Sample ID:2434X0BW044F	Collected:AM			Analysis Type:1RES				Dilution: 1.00	
Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
CARBON TETRACHLORIDE	0.18	J	0.25	LOD	0.50	LOQ	ug/L	J	RI

8/19/2024 2:23:00									
Sample ID:2434X0BW045F	Collected:PM			Analysis Type:1RES				Dilution: 1.00	
Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
METHYLENE CHLORIDE	0.56	JB	0.50	LOD	2.0	LOQ	ug/L	U	Mb, Tb

8/19/2024 1:46:00									
Sample ID:2434X0BW046F	Collected:PM			Analysis Type:1RES				Dilution: 1.00	
Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
METHYLENE CHLORIDE	0.53	JB	0.50	LOD	2.0	LOQ	ug/L	U	Mb, Tb

8/19/2024 1:10:00									
Sample ID:2434X0BW047F	Collected:PM			Analysis Type:1RES				Dilution: 1.00	
Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
METHYLENE CHLORIDE	0.54	JB	0.50	LOD	2.0	LOQ	ug/L	U	Mb, Tb

8/19/2024 11:28:00									
Sample ID:2434X0BW065D	Collected:AM			Analysis Type:1RES				Dilution: 1.00	
Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
CHLOROFORM	0.34	J	0.25	LOD	0.50	LOQ	ug/L	U	Tb
METHYLENE CHLORIDE	0.53	JB	0.50	LOD	2.0	LOQ	ug/L	U	Mb, Tb

8/19/2024 10:58:00									
Sample ID:2434X0BW180F	Collected:AM			Analysis Type:1RES				Dilution: 1.00	
Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
CHLOROFORM	0.12	J	0.25	LOD	0.50	LOQ	ug/L	U	Tb

* denotes a non-reportable result

Project Name and Number: - Fort Ord Groundwater Monitoring

9/5/2024 11:15:10 AM

ADR version 1.9.0.325

Page 3 of 6

Data Qualifier Summary

Lab Reporting Batch ID: FC18258, FC18261

Laboratory: ACTO

EDD Filename: FC18258ACTO, FC18261ACTO

eQAPP Name: FtOrd_UFP_QAPP_Rev9_3

SDG: FC18261

Method Category: VOA
Method: SW846 8260D BY SIM **Matrix:** AQ

Sample ID: 2434X0BW181F		8/19/2024 9:38:00			Analysis Type: 1RES			Dilution: 1.00	
		Collected: AM							
Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
CHLOROFORM	0.26	J	0.25	LOD	0.50	LOQ	ug/L	U	Tb

Sample ID: 2434X0BW184F		8/19/2024 3:08:00			Analysis Type: 1RES			Dilution: 1.00	
		Collected: PM							
Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
CARBON TETRACHLORIDE	0.23	J	0.25	LOD	0.50	LOQ	ug/L	J	RI
METHYLENE CHLORIDE	0.52	JB	0.50	LOD	2.0	LOQ	ug/L	U	Mb, Tb

Sample ID: 2434X0BW185F		8/19/2024 3:39:00			Analysis Type: 1RES			Dilution: 1.00	
		Collected: PM							
Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
CHLOROFORM	0.15	J	0.25	LOD	0.50	LOQ	ug/L	U	Tb
METHYLENE CHLORIDE	1.6	JB	0.50	LOD	2.0	LOQ	ug/L	UJ	Lcs, Mb, Tb, Ccv

Sample ID: 2434X0BW187F		8/19/2024 11:26:00			Analysis Type: 1RES			Dilution: 1.00	
		Collected: AM							
Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
CHLOROFORM	0.32	J	0.25	LOD	0.50	LOQ	ug/L	U	Tb
METHYLENE CHLORIDE	0.51	JB	0.50	LOD	2.0	LOQ	ug/L	U	Mb, Tb

Sample ID: 2434X0BW188F		8/19/2024 1:48:00			Analysis Type: 1RES			Dilution: 1.00	
		Collected: PM							
Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
CARBON TETRACHLORIDE	0.34	J	0.25	LOD	0.50	LOQ	ug/L	J	RI
CHLOROFORM	0.16	J	0.25	LOD	0.50	LOQ	ug/L	U	Tb
METHYLENE CHLORIDE	0.52	JB	0.50	LOD	2.0	LOQ	ug/L	U	Mb, Tb

Sample ID: 2434X0BW189F		8/19/2024 1:18:00			Analysis Type: 1RES			Dilution: 1.00	
		Collected: PM							
Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
METHYLENE CHLORIDE	0.53	JB	0.50	LOD	2.0	LOQ	ug/L	U	Mb, Tb

* denotes a non-reportable result

Project Name and Number: - Fort Ord Groundwater Monitoring

9/5/2024 11:15:10 AM

ADR version 1.9.0.325

Page 4 of 6

Data Qualifier Summary

Lab Reporting Batch ID: FC18258, FC18261

Laboratory: ACTO

EDD Filename: FC18258ACTO, FC18261ACTO

eQAPP Name: FtOrd_UFP_QAPP_Rev9_3

SDG: FC18261

Method Category: VOA

Method: SW846 8260D BY SIM

Matrix: AQ

8/19/2024 1:18:00

Sample ID:2434X0BW189F

Collected:PM

Analysis Type:1RES

Dilution: 1.00

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code

* denotes a non-reportable result

Project Name and Number: - Fort Ord Groundwater Monitoring

9/5/2024 11:15:10 AM

ADR version 1.9.0.325

Data Qualifier Summary

Lab Reporting Batch ID: FC18258, FC18261

Laboratory: ACTO

EDD Filename: FC18258ACTO, FC18261ACTO

eQAPP Name: FtOrd_UFP_QAPP_Rev9_3

Reason Code Legend

<i>Reason Code</i>	<i>Description</i>
Ccv	Continuing Calibration Verification Percent Difference Upper Estimation
Lcs	Laboratory Control Spike Upper Estimation
Mb	Method Blank Contamination
Ms	Matrix Spike Upper Estimation
RI	Reporting Limit Trace Value
Tb	Trip Blank Contamination

* denotes a non-reportable result

Project Name and Number: - Fort Ord Groundwater Monitoring

9/5/2024 11:15:10 AM

ADR version 1.9.0.325

Page 6 of 6

Enclosure I
Validation Outlier Reports

Quality Control Outlier Reports

FC18261

Method Blank Outlier Report

Lab Reporting Batch ID: FC18261

Laboratory: ACTO

EDD Filename: FC18261ACTO

eQAPP Name: FtOrd_UFP_QAPP_Rev9_3

Method: SW846 8260D BY SIM
Matrix: AQ

Method Blank Sample ID	Analysis Date	Analyte	Result	Associated Samples
VN6708-MB	8/26/2024 8:05:00 AM	METHYLENE CHLORIDE	0.52 ug/L	24340BWX211A 2434X0BW032F 2434X0BW033F 2434X0BW037F 2434X0BW041F 2434X0BW044F 2434X0BW045F 2434X0BW046F 2434X0BW047F 2434X0BW065D 2434X0BW180F 2434X0BW181F 2434X0BW184F 2434X0BW187F 2434X0BW188F 2434X0BW189F
VN6711-MB	8/29/2024 8:03:00 AM	METHYLENE CHLORIDE	1.8 ug/L	2434X0BW185F
VZ3085-MB	8/28/2024 2:18:00 PM	METHYLENE CHLORIDE	0.53 ug/L	2434W0BW157F 2434W0BW158F 2434W0BW160F 2434W0BW201C

The following samples and their listed target analytes were qualified due to contamination reported in this blank

Sample ID	Analyte	Reported Result	Modified Final Result
24340BWX211A(1RES)	METHYLENE CHLORIDE	0.68 ug/L	0.68U ug/L
2434X0BW032F(1RES)	METHYLENE CHLORIDE	0.52 ug/L	0.52U ug/L
2434X0BW041F(1RES)	METHYLENE CHLORIDE	0.53 ug/L	0.53U ug/L
2434X0BW045F(1RES)	METHYLENE CHLORIDE	0.56 ug/L	0.56U ug/L
2434X0BW046F(1RES)	METHYLENE CHLORIDE	0.53 ug/L	0.53U ug/L
2434X0BW047F(1RES)	METHYLENE CHLORIDE	0.54 ug/L	0.54U ug/L
2434X0BW065D(1RES)	METHYLENE CHLORIDE	0.53 ug/L	0.53U ug/L
2434X0BW184F(1RES)	METHYLENE CHLORIDE	0.52 ug/L	0.52U ug/L
2434X0BW185F(1RES)	METHYLENE CHLORIDE	1.6 ug/L	1.6U ug/L
2434X0BW187F(1RES)	METHYLENE CHLORIDE	0.51 ug/L	0.51U ug/L
2434X0BW188F(1RES)	METHYLENE CHLORIDE	0.52 ug/L	0.52U ug/L
2434X0BW189F(1RES)	METHYLENE CHLORIDE	0.53 ug/L	0.53U ug/L

Trip Blank Outlier Report

Lab Reporting Batch ID: FC18261

Laboratory: ACTO

EDD Filename: FC18261ACTO

eQAPP Name: FtOrd_UFP_QAPP_Rev9_3

Method: SW846 8260D BY SIM
Matrix: AQ

Trip Blank Sample ID	Collected Date	Analyte	Result	Associated Samples
24340BWX211A(1RES)	8/19/2024 9:00:00 AM	CHLOROFORM METHYLENE CHLORIDE	0.14 ug/L 0.68 ug/L	24340BWX194C 2434W0BW157F 2434W0BW158F 2434W0BW160F 2434W0BW201C 2434X0BW032F 2434X0BW033F 2434X0BW037F 2434X0BW041F 2434X0BW042F 2434X0BW044F 2434X0BW045F 2434X0BW046F 2434X0BW047F 2434X0BW065D 2434X0BW180F 2434X0BW181F 2434X0BW184F 2434X0BW185F 2434X0BW187F 2434X0BW188F 2434X0BW189F

The following samples and their listed target analytes were qualified due to contamination reported in this blank

Sample ID	Analyte	Reported Result	Modified Final Result
2434W0BW158F(1RES)	CHLOROFORM	0.14 ug/L	0.14U ug/L
2434X0BW032F(1RES)	CHLOROFORM	0.23 ug/L	0.23U ug/L
2434X0BW032F(1RES)	METHYLENE CHLORIDE	0.52 ug/L	0.52U ug/L
2434X0BW033F(1RES)	CHLOROFORM	0.13 ug/L	0.13U ug/L
2434X0BW041F(1RES)	METHYLENE CHLORIDE	0.53 ug/L	0.53U ug/L
2434X0BW042F(1RES)	CHLOROFORM	0.10 ug/L	0.10U ug/L
2434X0BW045F(1RES)	METHYLENE CHLORIDE	0.56 ug/L	0.56U ug/L
2434X0BW046F(1RES)	METHYLENE CHLORIDE	0.53 ug/L	0.53U ug/L
2434X0BW047F(1RES)	METHYLENE CHLORIDE	0.54 ug/L	0.54U ug/L
2434X0BW065D(1RES)	CHLOROFORM	0.34 ug/L	0.34U ug/L
2434X0BW065D(1RES)	METHYLENE CHLORIDE	0.53 ug/L	0.53U ug/L
2434X0BW180F(1RES)	CHLOROFORM	0.12 ug/L	0.12U ug/L
2434X0BW181F(1RES)	CHLOROFORM	0.26 ug/L	0.26U ug/L
2434X0BW184F(1RES)	METHYLENE CHLORIDE	0.52 ug/L	0.52U ug/L
2434X0BW185F(1RES)	CHLOROFORM	0.15 ug/L	0.15U ug/L
2434X0BW185F(1RES)	METHYLENE CHLORIDE	1.6 ug/L	1.6U ug/L
2434X0BW187F(1RES)	CHLOROFORM	0.32 ug/L	0.32U ug/L
2434X0BW187F(1RES)	METHYLENE CHLORIDE	0.51 ug/L	0.51U ug/L
2434X0BW188F(1RES)	CHLOROFORM	0.16 ug/L	0.16U ug/L
2434X0BW188F(1RES)	METHYLENE CHLORIDE	0.52 ug/L	0.52U ug/L
2434X0BW189F(1RES)	METHYLENE CHLORIDE	0.53 ug/L	0.53U ug/L

Project Name and Number: - Fort Ord Groundwater Monitoring

9/5/2024 11:04:33 AM

ADR version 1.9.0.325

Page 1 of 1

Lab Control Spike/Lab Control Spike Duplicate Outlier Report

Lab Reporting Batch ID: FC18261

Laboratory: ACTO

EDD Filename: FC18261ACTO

eQAPP Name: FtOrd_UFP_QAPP_Rev9_3

Method: SW846 8260D BY SIM

Matrix: AQ

QC Sample ID (Associated Samples)	Compound	LCS %R	LCSD %R	%R Limits	RPD (Limits)	Affected Compounds	Flag
VN6711-BS (2434X0BW185F)	METHYLENE CHLORIDE	186	-	69.00-135.00	-	METHYLENE CHLORIDE	J+ (all detects)

Field Duplicate RPD Report

Lab Reporting Batch ID: FC18261

Laboratory: ACTO

EDD Filename: FC18261ACTO

eQAPP Name: FtOrd_UFP_QAPP_Rev9_3

Method: SW846 8260D BY SIM

Matrix: AQ

Analyte	Concentration (ug/L)		Sample RPD	eQAPP RPD	Flag
	2434X0BW187F	2434X0BW065D			
CARBON TETRACHLORIDE	2.8	2.7	4	30.00	No Qualifiers Applied
CHLOROFORM	0.32	0.34	6	30.00	
METHYLENE CHLORIDE	0.51	0.53	4	30.00	

Reporting Limit Outliers

Lab Reporting Batch ID: FC18261

Laboratory: ACTO

EDD Filename: FC18261ACTO

eQAPP Name: FtOrd_UFP_QAPP_Rev9_3

Method: SW846 8260D BY SIM

Matrix: AQ

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
24340BWX211A	CHLOROFORM	J	0.14	0.50	LOQ	ug/L	J (all detects)
	METHYLENE CHLORIDE	B	0.68	2.0	LOQ	ug/L	
2434W0BW158F	CHLOROFORM	J	0.14	0.50	LOQ	ug/L	J (all detects)
2434X0BW032F	CARBON TETRACHLORIDE	J	0.44	0.50	LOQ	ug/L	J (all detects)
	CHLOROFORM	J	0.23	0.50	LOQ	ug/L	
	METHYLENE CHLORIDE	JB	0.52	2.0	LOQ	ug/L	
2434X0BW033F	CHLOROFORM	J	0.13	0.50	LOQ	ug/L	J (all detects)
2434X0BW041F	CARBON TETRACHLORIDE	J	0.23	0.50	LOQ	ug/L	J (all detects)
	METHYLENE CHLORIDE	JB	0.53	2.0	LOQ	ug/L	
2434X0BW042F	CHLOROFORM	J	0.10	0.50	LOQ	ug/L	J (all detects)
2434X0BW044F	CARBON TETRACHLORIDE	J	0.18	0.50	LOQ	ug/L	J (all detects)
2434X0BW045F	METHYLENE CHLORIDE	JB	0.56	2.0	LOQ	ug/L	J (all detects)
2434X0BW046F	METHYLENE CHLORIDE	JB	0.53	2.0	LOQ	ug/L	J (all detects)
2434X0BW047F	METHYLENE CHLORIDE	JB	0.54	2.0	LOQ	ug/L	J (all detects)
2434X0BW065D	CHLOROFORM	J	0.34	0.50	LOQ	ug/L	J (all detects)
	METHYLENE CHLORIDE	JB	0.53	2.0	LOQ	ug/L	
2434X0BW180F	CHLOROFORM	J	0.12	0.50	LOQ	ug/L	J (all detects)
2434X0BW181F	CHLOROFORM	J	0.26	0.50	LOQ	ug/L	J (all detects)
2434X0BW184F	CARBON TETRACHLORIDE	J	0.23	0.50	LOQ	ug/L	J (all detects)
	METHYLENE CHLORIDE	JB	0.52	2.0	LOQ	ug/L	
2434X0BW185F	CHLOROFORM	J	0.15	0.50	LOQ	ug/L	J (all detects)
	METHYLENE CHLORIDE	JB	1.6	2.0	LOQ	ug/L	
2434X0BW187F	CHLOROFORM	J	0.32	0.50	LOQ	ug/L	J (all detects)
	METHYLENE CHLORIDE	JB	0.51	2.0	LOQ	ug/L	
2434X0BW188F	CARBON TETRACHLORIDE	J	0.34	0.50	LOQ	ug/L	J (all detects)
	CHLOROFORM	J	0.16	0.50	LOQ	ug/L	
	METHYLENE CHLORIDE	JB	0.52	2.0	LOQ	ug/L	
2434X0BW189F	METHYLENE CHLORIDE	JB	0.53	2.0	LOQ	ug/L	J (all detects)

LDC #: 59613B1b

VALIDATION COMPLETENESS WORKSHEET

SDG #: FC18261

ADR/Stage 4

Laboratory: SGS North America, Inc., Orlando, FL

Date: 8/19/24

Page: 1 of 2

Reviewer: [Signature]

2nd Reviewer: [Signature]

METHOD: GC/MS Volatiles (EPA SW-846 Method 8260D-SIM)

The samples listed below were reviewed for each of the following validation areas. Validation findings are noted in attached validation findings worksheets.

	Validation Area		Comments
I.	Sample receipt/Technical holding times	★	
II.	GC/MS Instrument performance check	★	
III.	Initial calibration/ICV	★/★	RSD ≤ 15%. Y ² CV ≤ 20%
IV.	Continuing calibration / Closing CCV	SW	b ≤ 20/50%
V.	Laboratory Blanks	SW	ε = det
VI.	Field blanks	SW	TB = 1, 20% ^y FB = 19.22
VII.	Surrogate spikes	★	
VIII.	Matrix spike/Matrix spike duplicates	N	CS
IX.	Laboratory control samples	SW	ICS
X.	Field duplicates	SW	b = 7 + 8
XI.	Internal standards	★	
XII.	Target analyte quantitation	★	Reviewed for Stage 4 validation.
XIII.	Target analyte identification	★	Reviewed for Stage 4 validation. M/
XIV.	Overall assessment of data	★	

Note: A = Acceptable
N = Not provided/applicable
SW = See worksheet

* ND = No compounds detected
R = Rinsate
FB = Field blank

D = Duplicate
TB = Trip blank
EB = Equipment blank

SB=Source blank
OTHER:

**Indicates samples underwent Stage 4 validation

	Client ID	Lab ID	Matrix	Date
1	24340BWX211A	FC18261-1	Water	08/19/24
2	2434X0BW037F	FC18261-2	Water	08/19/24
3	2434X0BW181F	FC18261-3	Water	08/19/24
4	2434X0BW033F	FC18261-4	Water	08/19/24
5	2434X0BW180F	FC18261-5	Water	08/19/24
6	2434X0BW044F	FC18261-6	Water	08/19/24
7	2434X0BW187F**	FC18261-7**	Water	08/19/24
8	2434X0BW065D	FC18261-8	Water	08/19/24
9	2434X0BW032F**	FC18261-9**	Water	08/19/24
10	2434X0BW047F	FC18261-10	Water	08/19/24
11	2434X0BW189F	FC18261-11	Water	08/19/24
12	2434X0BW046F	FC18261-12	Water	08/19/24
13	2434X0BW188F**	FC18261-13**	Water	08/19/24
14	2434X0BW045F	FC18261-14	Water	08/19/24
15	2434X0BW041F	FC18261-15	Water	08/19/24

LDC #: 59613B1b

VALIDATION COMPLETENESS WORKSHEET

SDG #: FC18261

ADR/Stage 4

Laboratory: SGS North America, Inc., Orlando, FL

Date: 9/4/24

Page: 2 of 2

Reviewer: [Signature]

2nd Reviewer: [Signature]

METHOD: GC/MS Volatiles (EPA SW-846 Method 8260D-SIM)

	Client ID	Lab ID	Matrix	Date
16	2434X0BW184F	FC18261-16	Water	08/19/24
17	2434X0BW042F	FC18261-17	Water	08/19/24
18	2434X0BW185F	FC18261-18	Water	08/19/24
19	2434X0BW194C	FC18261-19	Water	08/19/24
20	2434X0BW218A	FC18261-20	Water	08/19/24
21	2434X0BW160F	FC18261-21	Water	08/19/24
22	2434X0BW201C	FC18261-22	Water	08/19/24
23	2434X0BW157F	FC18261-23	Water	08/19/24
24	2434X0BW158F**	FC18261-24**	Water	08/19/24
25				
26				
27				
28				

Notes:

VN6708						
12383						
VN6711						
123085						

Method: Volatiles (EPA SW 846 Method 8260B-SIM)

Validation Area	Yes	No	NA	Findings/Comments
I. Technical holding times				
Were all technical holding times met?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Was cooler temperature criteria met?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
II. GC/MS Instrument performance check (Not required)				
Were the BFB performance results reviewed and found to be within the specified criteria?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Were all samples analyzed within the 12 hour clock criteria?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
IIIa. Initial calibration				
Did the laboratory perform a 5 point calibration prior to sample analysis?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Were all percent relative standard deviations (%RSD) \leq 15% and relative response factors (RRF) \geq 0.05??	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Was a curve fit used for evaluation? If yes, did the initial calibration meet the curve fit acceptance criteria of \geq 0.990?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
IIIb. Initial Calibration Verification				
Was an initial calibration verification standard analyzed after each initial calibration for each instrument?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Were all percent difference (%D) \leq 20% or percent recoveries (%R) 80-120%?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
IV. Continuing calibration				
Was a continuing calibration standard analyzed at least once every 12 hours for each instrument?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Were all percent differences (%D) \leq 20% and relative response factors (RRF) \geq 0.05?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
V. Laboratory Blanks				
Was a laboratory blank associated with every sample in this SDG?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Was a laboratory blank analyzed at least once every 12 hours for each matrix and concentration?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Was there contamination in the laboratory blanks? If yes, please see the Blanks validation findings worksheet.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
VI. Field blanks				
Were field blanks identified in this SDG?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Were target analytes detected in the field blanks?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
VII. Surrogate spikes				
Were all surrogate percent recovery (%R) within QC limits?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
If the percent recovery (%R) for one or more surrogates was out of QC limits, was a reanalysis performed to confirm samples with %R outside of criteria?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
VIII. Matrix spike/Matrix spike duplicates				
Were matrix spike (MS) and matrix spike duplicate (MSD) analyzed in this SDG?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Were the MS/MSD percent recoveries (%R) and the relative percent differences (RPD) within the QC limits?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	

Validation Area	Yes	No	NA	Findings/Comments
IX. Laboratory control samples				
Was an LCS analyzed per analytical batch?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Were the LCS percent recoveries (%R) and relative percent difference (RPD) within the QC limits?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
X. Field duplicates				
Were field duplicate pairs identified in this SDG?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Were target analytes detected in the field duplicates?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
XI. Internal standards				
Were internal standard area counts within -50% or +100% of the associated calibration standard?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Were retention times within + 30 seconds of the associated calibration standard?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
XII. Target analyte quantitation				
Did the laboratory LOQs/RLs meet the QAPP LOQs/RLs?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Were the correct internal standard (IS), quantitation ion and relative response factor (RRF) used to quantitate the target analyte?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Were target analyte quantitation and RLs adjusted to reflect all sample dilutions and dry weight factors applicable to level IV validation?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Were manual integrations reviewed and found acceptable?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Did the laboratory provide before and after integration printouts?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
XIII. Target analyte identification				
Were relative retention times (RRT's) within + 0.06 RRT units of the standard?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Did analyte spectra meet specified EPA "Functional Guidelines" criteria?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Were chromatogram peaks verified and accounted for?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Were manual integrations performed and found acceptable?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Did the lab provide before and after printouts?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
XV. Overall assessment of data				
Overall assessment of data was found to be acceptable.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

TARGET ANALYTE LIST

METHOD: VOA

A. Chloromethane	AA. Tetrachloroethene	AAA. 1,3,5-Trimethylbenzene	AAAA. Ethyl tert-butyl ether	A1. 1,3-Butadiene	A2. 1,2,4,5-Tetramethylbenzene
B. Bromomethane	BB. 1,1,2,2-Tetrachloroethane	BBB. 4-Chlorotoluene	BBBB. tert-Amyl methyl ether	B1. Hexane	B2. n-Octane
C. Vinyl chloride	CC. Toluene	CCC. tert-Butylbenzene	CCCC. 1-Chlorohexane	C1. Heptane	C2. n-Propyl alcohol
D. Chloroethane	DD. Chlorobenzene	DDD. 1,2,4-Trimethylbenzene	DDDD. Isopropyl alcohol	D1. Propylene	D2. n-Pentane
E. Methylene chloride	EE. Ethylbenzene	EEE. sec-Butylbenzene	EEEE. Acetonitrile	E1. Freon 11	E2. n-Decane
F. Acetone	FF. Styrene	FFF. 1,3-Dichlorobenzene	FFFF. Acrolein	F1. Freon 12	F2. Chlorodifluoromethane
G. Carbon disulfide	GG. Xylenes, total	GGG. p-Isopropyltoluene	GGGG. Acrylonitrile	G1. Freon 113	G2. cis-Decahydronaphthalene
H. 1,1-Dichloroethene	HH. Vinyl acetate	HHH. 1,4-Dichlorobenzene	HHHH. 1,4-Dioxane	H1. Freon 114	H2. trans-Decahydronaphthalene
I. 1,1-Dichloroethane	II. 2-Chloroethylvinyl ether	III. n-Butylbenzene	IIII. Isobutyl alcohol	I1. 2-Nitropropane	I2. n-Nonane
J. 1,2-Dichloroethene, total	JJ. Dichlorodifluoromethane	JJJ. 1,2-Dichlorobenzene	JJJJ. Methacrylonitrile	J1. Dimethyl disulfide	J2. n-Undecane
K. Chloroform	KK. Trichlorofluoromethane	KKK. 1,2,4-Trichlorobenzene	KKKK. Propionitrile	K1. 2,3-Dimethyl pentane	K2. Chloroprene
L. 1,2-Dichloroethane	LL. Methyl-tert-butyl ether	LLL. Hexachlorobutadiene	LLLL. Ethyl ether	L1. 2,4-Dimethyl pentane	L2. n-Butanol
M. 2-Butanone	MM. 1,2-Dibromo-3-chloropropane	MMM. Naphthalene	MMMM. Benzyl chloride	M1. 3,3-Dimethyl pentane	M2. n-Butyl acetate
N. 1,1,1-Trichloroethane	NN. Methyl ethyl ketone	NNN. 1,2,3-Trichlorobenzene	NNNN. Iodomethane	N1. 2-Methylpentane	N2. Nitrobenzene
O. Carbon tetrachloride	OO. 2,2-Dichloropropane	OOO. 1,3,5-Trichlorobenzene	OOOO. 1,1-Difluoroethane	O1. 3-Methylpentane	O2.
P. Bromodichloromethane	PP. Bromochloromethane	PPP. trans-1,2-Dichloroethene	PPPP. Tetrahydrofuran	P1. 3-Ethylpentane	P2.
Q. 1,2-Dichloropropane	QQ. 1,1-Dichloropropene	QQQ. cis-1,2-Dichloroethene	QQQQ. Methyl acetate	Q1. 2,2-Dimethylpentane	Q2.
R. cis-1,3-Dichloropropene	RR. Dibromomethane	RRR. m,p-Xylenes	RRRR. Ethyl acetate	R1. 2,2,3-Trimethylbutane	R2.
S. Trichloroethene	SS. 1,3-Dichloropropane	SSS. o-Xylene	SSSS. Cyclohexane	S1. 2,2,4-Trimethylpentane	S2.
T. Dibromochloromethane	TT. 1,2-Dibromoethane	TTT. 1,1,2-Trichloro-1,2,2-trifluoroethane	TTTT. Methylcyclohexane	T1. 2-Methylhexane	T2.
U. 1,1,2-Trichloroethane	UU. 1,1,1,2-Tetrachloroethane	UUU. 1,2-Dichlorotetrafluoroethane	UUUU. Allyl chloride	U1. Nonanal	U2.
V. Benzene	VV. Isopropylbenzene	VVV. 4-Ethyltoluene	VVVV. Methyl methacrylate	V1. 2-Methylnaphthalene	V2.
W. trans-1,3-Dichloropropene	WW. Bromobenzene	WWW. Ethanol	WWWW. Ethyl methacrylate	W1. Methanol	W2.
X. Bromoform	XX. 1,2,3-Trichloropropane	XXX. Di-isopropyl ether	XXXX. cis-1,4-Dichloro-2-butene	X1. 1,2,3-Trimethylbenzene	X2.
Y. 4-Methyl-2-pentanone	YY. n-Propylbenzene	YYY. tert-Butanol	YYYY. trans-1,4-Dichloro-2-butene	Y1. 2-Propanol	Y2.
Z. 2-Hexanone	ZZ. 2-Chlorotoluene	ZZZ. tert-Butyl alcohol	ZZZZ. Pentachloroethane	Z1. p-Diethylbenzene	Z2.

VALIDATION FINDINGS WORKSHEET Initial Calibration Calculation Verification

METHOD: GC/MS VOA (EPA SW 846 Method 8260B-SIM)

The Relative Response Factor (RRF), average RRF, and percent relative standard deviation (%RSD) were recalculated for the compounds identified below using the following calculations:

$$RRF = (A_x)(C_{is}) / (A_{is})(C_x)$$

average RRF = sum of the RRFs/number of standards

$$\%RSD = 100 * (S/X)$$

A_x = Area of compound,

C_x = Concentration of compound,

S = Standard deviation of the RRFs

X = Mean of the RRFs

A_{is} = Area of associated internal standard

C_{is} = Concentration of internal standard

#	Standard ID	Calibration Date	Compound (Reference Internal Standard)	Reported	Recalculated	Reported	Recalculated	Reported	Recalculated
				RRF (10 std)	RRF (10 std)	Average RRF (initial)	Average RRF (initial)	%RSD	%RSD
1	10A2	8/20/24	0 (1st internal standard)	0.070	0.070	0.075	0.075	12.09	12.09
			AA (2nd internal standard)	0.109	0.109	0.113	0.113	12.56	12.56
			(3rd internal standard)						
			(4th internal standard)						
2	10A2	8/28/24	(1st internal standard)						
			(2nd internal standard)						
			(3rd internal standard)						
			(4th internal standard)						
3			(1st internal standard)						
			(2nd internal standard)						
			(3rd internal standard)						
			(4th internal standard)						
4			(1st internal standard)						
			(2nd internal standard)						
			(3rd internal standard)						
			(4th internal standard)						

Comments: Refer to Initial Calibration findings worksheet for list of qualifications and associated samples when reported results do not agree within 10.0% of the recalculated results.

**Validation Findings Worksheet
Initial Calibration Calculation Verification**

Method: GC/MS VOCs

Date	Instrument	Compound	Level	(Y) Response	(X) Conc.	(X ²) Conc.
8/2/2024	Z	Chloroform	1	0.0221565	0.020	0.0004
			2	0.0824557	0.100	0.0100
			3	0.419779	0.400	0.1600
			4	0.8675946	1.000	1.0000
			5	1.5135149	2.000	4.0000
			6	2.2177719	3.000	9.0000
			7	2.714667	4.000	16.0000

Regression Output

			Reported
Constant	c =	0.0000	0
Std Err of Y Est			
R Squared		0.9993728	0.9987
Degrees of Freedom			
	B =	A =	B=
X Coefficient(s)	8.95099E-01	-5.4188E-02	0.8951
Std Err of Coef.			A=
			-0.05419
Correlation Coefficient		0.999686	
Coefficient of Determination (r ²)	r ²	0.999373	1

**Validation Findings Worksheet
Initial Calibration Calculation Verification**

Method: GC/MS VOCs

Date	Instrument	Compound	Level	(Y) Response	(X) Conc.	(X ²) Conc.
8/2/2024	Z	Tetrachloroethene	1	0.0134579	0.020	0.0004
			2	0.0431014	0.100	0.0100
			3	0.1535777	0.400	0.1600
			4	0.3732270	1.000	1.0000
			5	0.7232564	2.000	4.0000
			6	1.1247919	3.000	9.0000
			7	1.4220595	4.000	16.0000

Regression Output

	Reported	
Constant	c =	0.0000
Std Err of Y Est		0
R Squared		0.9996230
Degrees of Freedom		0.9992
	B =	A =
X Coefficient(s)	3.84554E-01	-6.5335E-03
Std Err of Coef.		B =
		A =
		-0.00653
Correlation Coefficient		0.999811
Coefficient of Determination (r ²)	r ²	0.999623
		1

VALIDATION FINDINGS WORKSHEET
Continuing Calibration Results Verification

METHOD: GC/MS VOA (EPA SW 846 Method 8260B_SIM)

The percent difference (%D) of the initial calibration average Relative Response Factors (RRFs) and the continuing calibration RRFs were recalculated for the compounds identified below using the following calculation:

% Difference = 100 * (ave. RRF - RRF)/ave. RRF
 RRF = (A_x)(C_{is})/(A_{is})(C_x)

Where: ave. RRF = initial calibration average RRF
 RRF = continuing calibration RRF
 A_x = Area of compound, A_{is} = Area of associated internal standard
 C_x = Concentration of compound, C_{is} = Concentration of internal standard

#	Standard ID	Calibration Date	Compound (Reference internal Standard)	Average RRF (initial)	Reported RRF (CC)	Recalculated RRF (CC)	Reported %D	Recalculated %D
1	N013223	8/26/24	O (1st internal standard)	1.075	0.063	0.063	16.0	16.0
			AA (2nd internal standard)	0.113	0.117	0.117	3.5	3.5
			(3rd internal standard)					
			(4th internal standard)					
2	276613	8/28/24	K (1st internal standard)	10.000	9.456	9.456	5.4	5.4
			AA (2nd internal standard)	↓	9.733	9.733	2.7	2.7
			(3rd internal standard)					
			(4th internal standard)					
3			(1st internal standard)					
			(2nd internal standard)					
			(3rd internal standard)					
			(4th internal standard)					
4			(1st internal standard)					
			(2nd internal standard)					
			(3rd internal standard)					
			(4th internal standard)					

Comments: Refer to Continuing Calibration findings worksheet for list of qualifications and associated samples when reported results do not agree within 10.0% of the recalculated results.

VALIDATION FINDINGS WORKSHEET
Surrogate Results Verification

METHOD: GC/MS VOA (EPA SW 846 Method 8260B-SIM)

The percent recoveries (%R) of surrogates were recalculated for the compounds identified below using the following calculation:

% Recovery: $SF/SS * 100$

Where: SF = Surrogate Found
 SS = Surrogate Spiked

Sample ID: 7

	Surrogate Spiked	Surrogate Found	Percent Recovery Reported	Percent Recovery Recalculated	Percent Difference
Dibromofluoromethane					
1,2-Dichloroethane-d4	5.00	5.16	103	103	
Toluene-d8	↓	6.37	107	107	
Bromofluorobenzene					

Sample ID: _____

	Surrogate Spiked	Surrogate Found	Percent Recovery Reported	Percent Recovery Recalculated	Percent Difference
Dibromofluoromethane					
1,2-Dichloroethane-d4					
Toluene-d8					
Bromofluorobenzene					

Sample ID: _____

	Surrogate Spiked	Surrogate Found	Percent Recovery Reported	Percent Recovery Recalculated	Percent Difference
Dibromofluoromethane					
1,2-Dichloroethane-d4					
Toluene-d8					
Bromofluorobenzene					

Sample ID: _____

	Surrogate Spiked	Surrogate Found	Percent Recovery Reported	Percent Recovery Recalculated	Percent Difference
Dibromofluoromethane					
1,2-Dichloroethane-d4					
Toluene-d8					
Bromofluorobenzene					

Sample ID: _____

	Surrogate Spiked	Surrogate Found	Percent Recovery Reported	Percent Recovery Recalculated	Percent Difference
Dibromofluoromethane					
1,2-Dichloroethane-d4					
Toluene-d8					
Bromofluorobenzene					

VALIDATION FINDINGS WORKSHEET
Laboratory Control Sample Results Verification

METHOD: GC/MS VOA (EPA SW 846 Method 8260B-SIM)

The percent recoveries (%R) and Relative Percent Difference (RPD) of the laboratory control sample and laboratory control sample duplicate (if applicable) were recalculated for the compounds identified below using the following calculation:

% Recovery = 100 * SSC/SA

Where: SSC = Spiked sample concentration
 SA = Spike added

RPD = | LCSC - LCSDC | * 2 / (LCSC + LCSDC)

LCSC = Laboratory control sample concentration LCSDC = Laboratory control sample duplicate concentration

LCS ID: V23085-BS

Compound	Spike Added		Spiked Sample Concentration		LCS		LCSD		LCS/LCSD	
	LCS	LCSD	LCS	LCSD	Percent Recovery		Percent Recovery		RPD	
					Reported	Recalc.	Reported	Recalc.	Reported	Recalculated
H	5	NA	5.0	NA	100	100				
S	✓	✓	5.2	✓	104	104				

Comments: Refer to Laboratory Control Sample findings worksheet for list of qualifications and associated samples when reported results do not agree within 10.0% of the recalculated results.

Quality Control Outlier Reports

FC18258

Method Blank Outlier Report

Lab Reporting Batch ID: FC18258

Laboratory: ACTO

EDD Filename: FC18258ACTO

eQAPP Name: FtOrd_UFP_QAPP_Rev9_3

Method: SW846 8260D BY SIM
Matrix: AQ

Method Blank Sample ID	Analysis Date	Analyte	Result	Associated Samples
VN6710-MB	8/28/2024 10:32:00 AM	METHYLENE CHLORIDE	1.1 ug/L	2434W0BW159F 2434W0BW174D 2434W0BW219A
VZ3085-MB	8/28/2024 2:18:00 PM	METHYLENE CHLORIDE	0.53 ug/L	24340BWX191C 2434W0BW153F 2434W0BW154F 2434W0BW155F 2434W0BW202C 2434X0BW043F 2434X0BW186F

The following samples and their listed target analytes were qualified due to contamination reported in this blank

Sample ID	Analyte	Reported Result	Modified Final Result
2434W0BW159F(1RES)	METHYLENE CHLORIDE	1.3 ug/L	1.3U ug/L
2434W0BW174D(1RES)	METHYLENE CHLORIDE	1.4 ug/L	1.4U ug/L
2434W0BW219A(1RES)	METHYLENE CHLORIDE	0.96 ug/L	0.96U ug/L

Trip Blank Outlier Report

Lab Reporting Batch ID: FC18258

Laboratory: ACTO

EDD Filename: FC18258ACTO

eQAPP Name: FtOrd_UFP_QAPP_Rev9_3

Method: SW846 8260D BY SIM
Matrix: AQ

Trip Blank Sample ID	Collected Date	Analyte	Result	Associated Samples
2434W0BW219A(1RES)	8/20/2024 8:28:00 AM	METHYLENE CHLORIDE	0.96 ug/L	24340BWX191C 2434W0BW153F 2434W0BW154F 2434W0BW155F 2434W0BW159F 2434W0BW174D 2434W0BW202C 2434X0BW043F 2434X0BW186F

The following samples and their listed target analytes were qualified due to contamination reported in this blank

Sample ID	Analyte	Reported Result	Modified Final Result
2434W0BW159F(1RES)	METHYLENE CHLORIDE	1.3 ug/L	1.3U ug/L
2434W0BW174D(1RES)	METHYLENE CHLORIDE	1.4 ug/L	1.4U ug/L

Matrix Spike/Matrix Spike Duplicate Outlier Report

Lab Reporting Batch ID: FC18258

Laboratory: ACTO

EDD Filename: FC18258ACTO

eQAPP Name: FtOrd_UFP_QAPP_Rev9_3

Method: SW846 8260D BY SIM

Matrix: AQ

<i>QC Sample ID (Associated Samples)</i>	<i>Compound</i>	<i>MS %R</i>	<i>MSD %R</i>	<i>%R Limits</i>	<i>RPD (Limits)</i>	<i>Affected Compounds</i>	<i>Flag</i>
2434W0BW155FMS (2434W0BW155F)	METHYLENE CHLORIDE	146	-	69.00-135.00	-	METHYLENE CHLORIDE	J+ (all detects)

Lab Control Spike/Lab Control Spike Duplicate Outlier Report

Lab Reporting Batch ID: FC18258

Laboratory: ACTO

EDD Filename: FC18258ACTO

eQAPP Name: FtOrd_UFP_QAPP_Rev9_3

Method: SW846 8260D BY SIM

Matrix: AQ

QC Sample ID (Associated Samples)	Compound	LCS %R	LCSD %R	%R Limits	RPD (Limits)	Affected Compounds	Flag
VN6710-BS (2434W0BW159F 2434W0BW174D 2434W0BW219A)	METHYLENE CHLORIDE	140	-	69.00-135.00	-	METHYLENE CHLORIDE	J+ (all detects)

Field Duplicate RPD Report

Lab Reporting Batch ID: FC18258

Laboratory: ACTO

EDD Filename: FC18258ACTO

eQAPP Name: FtOrd_UFP_QAPP_Rev9_3

Method: SW846 8260D BY SIM

Matrix: AQ

Analyte	Concentration (ug/L)		Sample RPD	eQAPP RPD	Flag
	2434W0BW159F	2434W0BW174D			
CARBON TETRACHLORIDE	0.72	0.67	7	30.00	No Qualifiers Applied
CHLOROFORM	0.17	0.16	6	30.00	
METHYLENE CHLORIDE	1.3	1.4	7	30.00	

Project Name and Number: - Fort Ord Groundwater Monitoring

9/5/2024 11:03:25 AM

ADR version 1.9.0.325

Page 1 of 1

Reporting Limit Outliers

Lab Reporting Batch ID: FC18258

Laboratory: ACTO

EDD Filename: FC18258ACTO

eQAPP Name: FtOrd_UFP_QAPP_Rev9_3

Method: SW846 8260D BY SIM

Matrix: AQ

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
2434W0BW153F	CHLOROFORM	J	0.12	0.50	LOQ	ug/L	J (all detects)
2434W0BW154F	CHLOROFORM	J	0.35	0.50	LOQ	ug/L	J (all detects)
2434W0BW155F	1,2-DICHLOROETHENE (TOTAL)	J	0.16	0.50	LOQ	ug/L	J (all detects)
2434W0BW159F	CHLOROFORM	J	0.17	0.50	LOQ	ug/L	J (all detects)
	METHYLENE CHLORIDE	JB	1.3	2.0	LOQ	ug/L	J (all detects)
2434W0BW174D	CHLOROFORM	J	0.16	0.50	LOQ	ug/L	J (all detects)
	METHYLENE CHLORIDE	JB	1.4	2.0	LOQ	ug/L	J (all detects)
2434W0BW219A	METHYLENE CHLORIDE	JB	0.96	2.0	LOQ	ug/L	J (all detects)

LDC #: 59613A1b

VALIDATION COMPLETENESS WORKSHEET

SDG #: FC18258

ADR

Laboratory: SGS North America, Inc., Orlando, FL

Date: *8/20/24*

Page: 1 of 1

Reviewer: *[Signature]*

2nd Reviewer: *[Signature]*

METHOD: GC/MS Volatiles (EPA SW-846 Method 8260D-SIM)

The samples listed below were reviewed for each of the following validation areas. Validation findings are noted in attached validation findings worksheets.

	Validation Area		Comments
I.	Sample receipt/Technical holding times	<i>A</i>	
II.	GC/MS Instrument performance check	<i>A</i>	
III.	Initial calibration/ICV	<i>A, A</i>	<i>RSR ≤ 1570. Y² CV ≤ 20%</i>
IV.	Continuing calibration <i>/ending</i>	<i>SW</i>	<i>D = 20/50%</i>
V.	Laboratory Blanks	N	Not reviewed for ADR validation <i>E = detg</i>
VI.	Field blanks	<i>SW</i>	<i>TB = 1 FB* = 1.10</i>
VII.	Surrogate spikes	N	Not reviewed for ADR validation
VIII.	Matrix spike/Matrix spike duplicates	N	Not reviewed for ADR validation
IX.	Laboratory control samples	N	Not reviewed for ADR validation
X.	Field duplicates	<i>SW</i>	<i>D = 2 + 3 - ADR</i>
XI.	Internal standards	<i>A</i>	
XII.	Target analyte quantitation	N	Not reviewed for ADR validation
XIII.	Target analyte identification	N	Not reviewed for ADR validation
XIV.	Overall assessment of data	<i>A</i>	

Note: A = Acceptable *A*ND = No compounds detected D = Duplicate SB=Source blank
 N = Not provided/applicable R = Rinsate TB = Trip blank OTHER:
 SW = See worksheet FB = Field blank EB = Equipment blank

	Client ID	Lab ID	Matrix	Date
1	2434W0BW219A	FC18258-1	Water	08/20/24
2	2434W0BW159F	FC18258-2	Water	08/20/24
3	2434W0BW174D	FC18258-3	Water	08/20/24
4	2434W0BW202C	FC18258-4	Water	08/20/24
5	2434W0BW155F	FC18258-5	Water	08/20/24
6	2434W0BW153F	FC18258-6	Water	08/20/24
7	2434W0BW154F	FC18258-7	Water	08/20/24
8	2434W0BW043F	FC18258-8	Water	08/20/24
9	2434W0BW186F	FC18258-9	Water	08/20/24
10	24340BWX191C	FC18258-10	Water	08/20/24
11	2434W0BW155FMS	FC18258-5MS	Water	08/20/24
12	2434W0BW155FMSD	FC18258-5MSD	Water	08/20/24
13				
14	<i>VN6710</i>			
15	<i>VZ3085</i>			

TARGET COMPOUND WORKSHEET

METHOD: VOA

A. Chloromethane	AA. Tetrachloroethene	AAA. 1,3,5-Trimethylbenzene	AAAA. Ethyl tert-butyl ether	A1. 1,3-Butadiene	A2. 1,2,4,5-Tetramethylbenzene
B. Bromomethane	BB. 1,1,2,2-Tetrachloroethane	BBB. 4-Chlorotoluene	BBBB. tert-Amyl methyl ether	B1. Hexane	B2. n-Octane
C. Vinyl chloride	CC. Toluene	CCC. tert-Butylbenzene	CCCC. 1-Chlorohexane	C1. Heptane	C2. n-Propyl alcohol
D. Chloroethane	DD. Chlorobenzene	DDD. 1,2,4-Trimethylbenzene	DDDD. Isopropyl alcohol	D1. Propylene	D2. n-Pentane
E. Methylene chloride	EE. Ethylbenzene	EEE. sec-Butylbenzene	EEEE. Acetonitrile	E1. Freon 11	E2. n-Decane
F. Acetone	FF. Styrene	FFF. 1,3-Dichlorobenzene	FFFF. Acrolein	F1. Freon 12	F2. Chlorodifluoromethane
G. Carbon disulfide	GG. Xylenes, total	GGG. p-Isopropyltoluene	GGGG. Acrylonitrile	G1. Freon 113	G2. cis-Decahydronaphthalene
H. 1,1-Dichloroethene	HH. Vinyl acetate	HHH. 1,4-Dichlorobenzene	HHHH. 1,4-Dioxane	H1. Freon 114	H2. trans-Decahydronaphthalene
I. 1,1-Dichloroethane	II. 2-Chloroethylvinyl ether	III. n-Butylbenzene	IIII. Isobutyl alcohol	I1. 2-Nitropropane	I2. n-Nonane
J. 1,2-Dichloroethene, total	JJ. Dichlorodifluoromethane	JJJ. 1,2-Dichlorobenzene	JJJJ. Methacrylonitrile	J1. Dimethyl disulfide	J2. n-Undecane
K. Chloroform	KK. Trichlorofluoromethane	KKK. 1,2,4-Trichlorobenzene	KKKK. Propionitrile	K1. 2,3-Dimethyl pentane	K2. Chloroprene
L. 1,2-Dichloroethane	LL. Methyl-tert-butyl ether	LLL. Hexachlorobutadiene	LLLL. Ethyl ether	L1. 2,4-Dimethyl pentane	L2. n-Butanol
M. 2-Butanone	MM. 1,2-Dibromo-3-chloropropane	MMM. Naphthalene	MMMM. Benzyl chloride	M1. 3,3-Dimethyl pentane	M2. n-Butyl acetate
N. 1,1,1-Trichloroethane	NN. Methyl ethyl ketone	NNN. 1,2,3-Trichlorobenzene	NNNN. Iodomethane	N1. 2-Methylpentane	N2. Nitrobenzene
O. Carbon tetrachloride	OO. 2,2-Dichloropropane	OOO. 1,3,5-Trichlorobenzene	OOOO. 1,1-Difluoroethane	O1. 3-Methylpentane	O2. Methyl bromide
P. Bromodichloromethane	PP. Bromochloromethane	PPP. trans-1,2-Dichloroethene	PPPP. Tetrahydrofuran	P1. 3-Ethylpentane	P2. Methyl chloride
Q. 1,2-Dichloropropane	QQ. 1,1-Dichloropropene	QQQ. cis-1,2-Dichloroethene	QQQQ. Methyl acetate	Q1. 2,2-Dimethylpentane	Q2. Methyl iodide
R. cis-1,3-Dichloropropene	RR. Dibromomethane	RRR. m,p-Xylene	RRRR. Ethyl acetate	R1. 2,2,3-Trimethylbutane	R2. Methylene bromide
S. Trichloroethene	SS. 1,3-Dichloropropane	SSS. o-Xylene	SSSS. Cyclohexane	S1. 2,2,4-Trimethylpentane	S2. Methyl isobutyl ketone
T. Dibromochloromethane	TT. 1,2-Dibromoethane	TTT. 1,1,2-Trichloro-1,2,2-trifluoroethane	TTTT. Methylcyclohexane	T1. 2-Methylhexane	T2. 3-Chloro-1-propene
U. 1,1,2-Trichloroethane	UU. 1,1,1,2-Tetrachloroethane	UUU. 1,2-Dichlorotetrafluoroethane	UUUU. Allyl chloride	U1. Nonanal	U2.
V. Benzene	VV. Isopropylbenzene	VVV. 4-Ethyltoluene	VVVV. Methyl methacrylate	V1. 2-Methylnaphthalene	V2.
W. trans-1,3-Dichloropropene	WW. Bromobenzene	WWW. Ethanol	WWWW. Ethyl methacrylate	W1. Methanol	W2.
X. Bromoform	XX. 1,2,3-Trichloropropane	XXX. Di-isopropyl ether	XXXX. cis-1,4-Dichloro-2-butene	X1. 1,2,3-Trimethylbenzene	X2.
Y. 4-Methyl-2-pentanone	YY. n-Propylbenzene	YYY. tert-Butanol	YYYY. trans-1,4-Dichloro-2-butene	Y1. 2-Propanol	Y2.
Z. 2-Hexanone	ZZ. 2-Chlorotoluene	ZZZ. tert-Butyl alcohol	ZZZZ. Pentachloroethane	Z1. p-Diethylbenzene	Z2.



LABORATORY DATA CONSULTANTS, INC.

2701 Loker Ave. West, Suite 220, Carlsbad, CA 92010 Bus: 760-827-1100 Fax: 760-827-1099

AHTNA
296 12th Street
Marina, CA 93933
ATTN: Mr. Eric A. Schmidt
eschmidt@ahtna.net

September 20, 2024

SUBJECT: Fort Ord, OUCTP - Data Validation

Dear Mr. Schmidt,

Enclosed are the final validation reports for the fraction listed below. These SDGs were received on September 10, 2024. Attachment 1 is a summary of the samples that were reviewed for each analysis.

LDC Project #59716:

<u>SDG #</u>	<u>Fraction</u>
FC18326, FC18328, FC18340, FC18341, FC18342	Volatiles

The data validation was performed under Stage 2B & 4 guidelines. The analysis was validated using the following documents, as applicable to each method:

- Quality Assurance Project Plan Volume I, Appendix A for Groundwater Remedies and Monitoring at Operable Unit 2, Sites 2 and 12, and Operable Unit Carbon Tetrachloride Plume, Former Fort Ord, California (Revision 8, July 2020)
- U.S. Department of Defense (DoD) Quality Systems Manual (QSM) for Environmental Laboratories, Version 5.1 (2017)
- U.S. DoD Data Validation Guidelines Module 1: Data Validation Procedure for Organic Analysis by GC/MS (May 2020)
- EPA SW 846, Third Edition, Test Methods for Evaluating Solid Waste, update I, July 1992; update IIA, August 1993; update II, September 1994; update IIB, January 1995; update III, December 1996; update IIIA, April 1998; IIIB, November 2004; update IV, February 2007; update V, July 2014; update VI, July 2018

Please feel free to contact us if you have any questions.

Sincerely,

Pei Geng
pgeng@lab-data.com
Project Manager/Senior Chemist

**Automated Data Review Data Validation Report
Fort Ord, OUCTP**

Sample Delivery Group(s)

FC18326
FC18328
FC18340
FC18341
FC18342

September 19, 2024

Introduction

This Data Validation Report (DVR) presents data validation findings and results for the associated samples collected during the August 2024 sampling period. Data validation was performed in accordance with the Quality Assurance Project Plan Volume I, Appendix A for Groundwater Remedies and Monitoring at Operable Unit 2, Sites 2 and 12, and Operable Unit Carbon Tetrachloride Plume, Former Fort Ord, California (Revision 8, July 2020), the U.S. Department of Defense (DoD) Quality Systems Manual (QSM) for Environmental Laboratories, Version 5.1 (2017), and the U.S. DoD Data Validation Guidelines Module 1: Data Validation Procedure for Organic Analysis by GC/MS (May 2020). Where specific guidance was not available, the data has been evaluated in a conservative manner consistent with industry standards using professional experience.

The analyses were performed by the following method(s):

Volatile Organic Compounds (VOCs) by Environmental Protection Agency (EPA) SW 846 Method 8260D in Selected Ion Monitoring (SIM) mode

Sample identifications, methods of analyses performed, and review levels on each sample are presented in Attachment 1. Overall data qualification summary is presented in Attachment 2. Automated Data Review outliers and manual data validation worksheets are presented in Enclosure I.

All sample results were subjected to Stage 2B data validation, which comprises an evaluation of quality control (QC) summary results. Approximately 10 percent of samples were subjected to Stage 4 data validation, which is comprised of the QC summary forms as well as the raw data, to confirm sample quantitation and identification.

The following are definitions of the data qualifiers utilized during data validation:

- J+ The result was an estimated quantity, but the result may be biased high.
- J- The result was an estimated quantity, but the result may be biased low.
- J The reported result was an estimated quantity value with an unknown bias.
- U The analyte was not detected and was reported as less than the LOD or as defined by the customer. The LOD has been adjusted for any dilution or concentration of the sample.
- UJ The analyte was not detected and was reported as less than the LOD or as defined by the customer. However, the associated numerical value is approximate.
- N The analysis indicates the presence of an analyte for which there was presumptive evidence to make a "tentative identification".
- NJ The analyte has been "tentatively identified" or "presumptively identified" as present, and the associated numerical value was the estimated concentration in the sample.
- X The sample results (including non-detects) were affected by serious deficiencies in the ability to analyze the sample and to meet published method and project quality control criteria. The presence or absence of the analyte cannot be substantiated by the data provided. Acceptance or rejection of the data should be decided by the project team (which should include a Project Chemist), but exclusion of the data is recommended.
- NA (Not Applicable): The non-conformance discovered during data validation demonstrates a high bias, while the affected analyte in the associated sample(s) was reported as not detected by the laboratory and did not warrant the qualification of the data.

Sample Receipt & Technical Holding Times

All samples were received in good condition and cooler temperatures upon receipt met validation criteria.

All technical holding time requirements were met.

Instrument Performance Check

A bromofluorobenzene (BFB) tune was performed at 12 hour intervals.

All ion abundance requirements were met.

Initial Calibration and Initial Calibration Verification

An initial calibration was performed as required by the method.

For analytes where average relative response factors (RRFs) were utilized, the percent relative standard deviations (%RSD) were less than or equal to 15.0%.

In the case where the laboratory used a calibration curve to evaluate the analytes, all coefficients of determination (r^2) were greater than or equal to 0.990.

Average relative response factors (RRF) for all analytes were within validation criteria.

The percent differences (%D) of the initial calibration verification (ICV) standard were less than or equal to 20.0% for all analytes.

Continuing Calibration

Continuing calibration was performed at the required frequencies.

The percent differences (%D) were less than or equal to 20.0% for all analytes with the following exceptions:

SDG	Date	Analyte	%D	Associated Samples	Affected Analyte	Flag
FC18326	09/04/24 (N0132422)	Vinyl chloride	21.8	2434X0BW031F 2434X0BW038F 24340BWX212A 2434X0BW006F 2434X0BW008F 2434X0BW010F 2434X0BW012F 2434XOU2001F 2434XOU2002F 2434Y0BW215A 2434X0BW040F 2434X0BW183F 2434X0BW064D	Vinyl chloride	NA

SDG	Date	Analyte	%D	Associated Samples	Affected Analyte	Flag
FC18326	09/04/24 (N0132422)	Methylene chloride	58.0	2434X0BW031F 2434X0BW038F 24340BWX212A 2434X0BW006F 2434X0BW008F 2434X0BW010F 2434X0BW012F 2434XOU2001F 2434XOU2002F 2434Y0BW215A 2434X0BW040F 2434X0BW183F 2434X0BW064D	Methylene chloride	J+ (all detects)
FC18326	09/03/24	Methylene chloride	25.3	2434X00B019F 2434X0BW063D	Methylene chloride	NA
FC18326	09/04/24 (Z76725)	1,1-Dichloroethene Methylene chloride	25.1 32.5	2434X0BW039F 2434X0BW182F 2434Y0BW198C 2434X0BW022F 2434X0BW057F 2434X0BW058F 2434X0BW059F	1,1-Dichloroethene Methylene chloride	NA
FC18326	09/04/24 (Z76725)	trans-1,2-Dichloroethene cis-1,2-Dichloroethene	27.8 22.1	2434X0BW039F 2434X0BW182F 2434Y0BW198C 2434X0BW022F 2434X0BW057F 2434X0BW058F 2434X0BW059F	1,2-Dichloroethene, total	NA
FC18341	08/29/24 (N0132342)	Vinyl chloride	46.1	2434X0BW048F 2434X0BW041F 2434X0BW053F 2434X0BW056F 2434X0BW052F 2434X0BW036F 2434X0BW049F 2434X0BW066D 2434X0BW050F 2434X0BW017F	Vinyl chloride	NA
FC18341	08/29/24 (N0132342)	Methylene chloride	47.1	2434X0BW048F 2434X0BW041F 2434X0BW053F 2434X0BW056F 2434X0BW052F 2434X0BW036F 2434X0BW049F 2434X0BW066D 2434X0BW050F 2434X0BW017F	Methylene chloride	J+ (all detects)

The percent differences (%D) of the ending continuing calibration verifications (CCVs) were less than or equal to 50.0% for all analytes with the following exceptions:

SDG	Date	Analyte	%D	Associated Samples	Flag
FC18326	09/04/24 (N0132443)	Methylene chloride	71.1	2434X0BW031F 2434X0BW038F 24340BVX212A 2434X0BW006F 2434X0BW008F 2434X0BW010F 2434X0BW012F 2434XOU2001F 2434XOU2002F 2434Y0BW215A 2434X0BW040F 2434X0BW183F 2434X0BW064D	J+ (all detects)
FC18326	08/30/24 (Z76695)	Methylene chloride	91.4	24340BVX210A 2434X0BW018F 2434X00B020F 2434X0BW156F 2434X0BW011F 2434X0BW025F 2434X0BW051F 2434X0BW055F 24340BVX193C 2434X0BW005F 2434X0BW007F 2434X0BW061D 2434X0BW024F 2434X0BW062D 2434X0BW009F 2434X0BW026F 2434X0BW054F 2434X0BW027F 2434X0BW028F 2434X0BW029F	NA
FC18326	09/03/24 (Z76723)	Methylene chloride	113.3	2434X00B019F 2434X0BW063D	NA

All of the continuing calibration relative response factors (RRF) were within validation criteria.

Laboratory Blanks

Laboratory blanks were performed as required by the method. No contaminant concentrations were detected in the laboratory blanks with the exception of two blanks for methylene chloride. The associated sample results were qualified as non-detected (U) due to laboratory blank contamination as applicable. The sample results that were not detected or were significantly greater than the concentrations found in the associated blanks were not qualified. The details regarding the qualification of data are presented in Enclosure I.

Field Blanks

Five trip blanks were collected and analyzed. One trip blank had detections for chloroform, one trip blank had detections for methylene chloride and one trip blank had detections for chloroform and methylene chloride. The associated sample results were qualified as non-detected (U) due to trip blank contamination as applicable. The sample results that were not detected or were significantly greater than the concentrations found in the trip blanks were not qualified. The trip blank outlier reports are presented in Enclosure I.

Four field blanks were collected and analyzed. No contaminants were found.

Surrogate Spikes

Surrogates were added to all samples as required by the method. All surrogate recoveries (%R) were within QC limits.

Matrix Spike/Matrix Spike Duplicates

Matrix spike (MS) and matrix spike duplicate (MSD) sample analysis was performed on an associated project sample. Percent recoveries (%R) and relative percent differences (RPD) were within QC limits with the exception of three MS/MSD pairs for several analytes. The associated sample results were qualified as detected estimated (J+) as applicable. No data were qualified due to high %Rs when the associated results were non-detected. The details regarding the qualification of data are presented in Enclosure I.

Laboratory Control Samples

Laboratory control samples (LCS) were analyzed as required by the method. Percent recoveries (%R) were within QC limits with the exception of four LCS for several analytes. The associated sample results were qualified as detected estimated (J+) as applicable. No data were qualified due to high %Rs when the associated results were non-detected. The details regarding the qualification of data are presented in Enclosure I.

Field Duplicates

Seven field duplicate pairs were collected and analyzed. All RPDs were within QC limits. The field duplicate result comparisons are presented in Enclosure I.

Internal Standards

All internal standard areas and retention times were within QC limits.

Target Analyte Quantitation

The laboratory reporting limits were evaluated. All laboratory reporting limits met the specified requirements.

All analytes reported below the limit of quantitation (LOQ) as detected by the laboratory were qualified as detected estimated (J). The details regarding the qualification of data are provided in Enclosure I.

Target Analyte Identification

All target analyte identifications met validation criteria for samples which underwent Stage 4 validation. Raw data were not reviewed for Stage 2B validation.

Manual integrations were reviewed and were considered acceptable. The laboratory provided before and after integration printouts.

Overall Assessment of Data

The analysis was conducted within all specifications of the method. No results were recommended for exclusion in this SDG.

Due to continuing calibration %D, data were qualified as estimated in twenty-three samples.

Due to ending CCV %D, data were qualified as estimated in thirteen samples.

Due to MS/MSD %R, data were qualified as estimated in one sample.

Due to LCS/LCSD %R, data were qualified as estimated in twenty-three samples.

Due to results below the LOQ, data were qualified as estimated in forty-eight samples.

Due to laboratory blank contamination, data were qualified as not detected in twenty-three samples.

Due to trip blank contamination, data were qualified as not detected in twenty-six samples.

Data flags are summarized and are presented as Attachment 2.

Attachment 1

Sample Cross Reference

Sample Cross Reference

Date Collected	Field Sample ID	Lab Sample ID	Sample Type	Prep Method	Analytical Method	Review Level
21-Aug-2024	24340BWX209A	FC18342-1	TB	5030B	W846 8260D BY SIF	Stage 2B
21-Aug-2024	2434W0BW220A	FC18340-1	TB	5030B	W846 8260D BY SIF	Stage 2B
21-Aug-2024	2434W0BW164F	FC18340-2	N	5030B	W846 8260D BY SIF	Stage 2B
21-Aug-2024	2434W0BW163F	FC18340-3	N	5030B	W846 8260D BY SIF	Stage 2B
21-Aug-2024	2434X0BW048F	FC18341-1	N	5030B	W846 8260D BY SIF	Stage 4
21-Aug-2024	2434W0BW151F	FC18342-4	N	5030B	W846 8260D BY SIF	Stage 2B
21-Aug-2024	2434W0BW203C	FC18340-4	FB	5030B	W846 8260D BY SIF	Stage 2B
21-Aug-2024	2434X0BW041F	FC18341-2	N	5030B	W846 8260D BY SIF	Stage 4
21-Aug-2024	2434W0BW152F	FC18342-5	N	5030B	W846 8260D BY SIF	Stage 2B
21-Aug-2024	2434X0BW053F	FC18341-3	N	5030B	W846 8260D BY SIF	Stage 4
21-Aug-2024	2434W0BW168F	FC18342-6	N	5030B	W846 8260D BY SIF	Stage 2B
21-Aug-2024	2434X0BW056F	FC18341-4	N	5030B	W846 8260D BY SIF	Stage 4
21-Aug-2024	2434X0BW052F	FC18341-5	N	5030B	W846 8260D BY SIF	Stage 4
21-Aug-2024	2434X0BW036F	FC18341-6	N	5030B	W846 8260D BY SIF	Stage 2B
21-Aug-2024	2434W0BW161F	FC18340-5	N	5030B	W846 8260D BY SIF	Stage 2B
21-Aug-2024	2434X0BW049F	FC18341-7	N	5030B	W846 8260D BY SIF	Stage 2B
21-Aug-2024	2434WOU2145F	FC18342-7	N	5030B	W846 8260D BY SIF	Stage 2B
21-Aug-2024	2434X0BW066D	FC18341-8	FD	5030B	W846 8260D BY SIF	Stage 2B
21-Aug-2024	2434WOU2144F	FC18340-6	N	5030B	W846 8260D BY SIF	Stage 4
21-Aug-2024	2434WOU2147F	FC18342-8	N	5030B	W846 8260D BY SIF	Stage 2B
21-Aug-2024	2434X0BW050F	FC18341-9	N	5030B	W846 8260D BY SIF	Stage 2B
21-Aug-2024	24340BWX192C	FC18342-2	FB	5030B	W846 8260D BY SIF	Stage 2B
21-Aug-2024	2434WOU2146F	FC18340-7	N	5030B	W846 8260D BY SIF	Stage 2B
21-Aug-2024	2434WOU2176D	FC18340-8	FD	5030B	W846 8260D BY SIF	Stage 2B
21-Aug-2024	2434X0BW017F	FC18341-10	N	5030B	W846 8260D BY SIF	Stage 2B
21-Aug-2024	2434W0BW169F	FC18340-9	N	5030B	W846 8260D BY SIF	Stage 2B

N = Normal Sample *TB* = Trip Blank *MS* = Matrix Spike
FD = Field Duplicate *FB* = Field Blank *MSD* = Matrix Spike Duplicate

Sample Cross Reference

Date Collected	Field Sample ID	Lab Sample ID	Sample Type	Prep Method	Analytical Method	Review Level
21-Aug-2024	2434X0BW023F	FC18342-3	N	5030B	W846 8260D BY SII	Stage 2B
22-Aug-2024	24340BWX210A	FC18326-1	TB	5030B	W846 8260D BY SII	Stage 2B
22-Aug-2024	2434X0BW018F	FC18326-2	N	5030B	W846 8260D BY SII	Stage 2B
22-Aug-2024	2434WOU2149F	FC18328-1	N	5030B	W846 8260D BY SII	Stage 4
22-Aug-2024	2434X00B020F	FC18326-3	N	5030B	W846 8260D BY SII	Stage 2B
22-Aug-2024	2434WOU2175D	FC18328-2	FD	5030B	W846 8260D BY SII	Stage 2B
22-Aug-2024	2434X0BW156F	FC18326-4	N	5030B	W846 8260D BY SII	Stage 2B
22-Aug-2024	2434X0BW156FMS	FC18326-4MS	MS	5030B	W846 8260D BY SII	Stage 2B
22-Aug-2024	2434X0BW156FMSD	FC18326-4MSD	MSD	5030B	W846 8260D BY SII	Stage 2B
22-Aug-2024	2434X0BW011F	FC18326-5	N	5030B	W846 8260D BY SII	Stage 2B
22-Aug-2024	2434X0BW025F	FC18326-6	N	5030B	W846 8260D BY SII	Stage 2B
22-Aug-2024	2434X0BW051F	FC18326-7	N	5030B	W846 8260D BY SII	Stage 2B
22-Aug-2024	2434X0BW055F	FC18326-8	N	5030B	W846 8260D BY SII	Stage 2B
22-Aug-2024	2434X0BW005F	FC18326-10	N	5030B	W846 8260D BY SII	Stage 2B
22-Aug-2024	2434X0BW026F	FC18326-16	N	5030B	W846 8260D BY SII	Stage 2B
22-Aug-2024	2434X0BW054F	FC18326-17	N	5030B	W846 8260D BY SII	Stage 2B
22-Aug-2024	2434X0BW007F	FC18326-11	N	5030B	W846 8260D BY SII	Stage 2B
22-Aug-2024	2434X0BW027F	FC18326-18	N	5030B	W846 8260D BY SII	Stage 2B
22-Aug-2024	2434X0BW061D	FC18326-12	FD	5030B	W846 8260D BY SII	Stage 2B
22-Aug-2024	2434X0BW024F	FC18326-13	N	5030B	W846 8260D BY SII	Stage 2B
22-Aug-2024	2434X0BW062D	FC18326-14	FD	5030B	W846 8260D BY SII	Stage 2B
22-Aug-2024	2434X0BW028F	FC18326-19	N	5030B	W846 8260D BY SII	Stage 2B
22-Aug-2024	2434X0BW009F	FC18326-15	N	5030B	W846 8260D BY SII	Stage 2B
22-Aug-2024	2434X0BW029F	FC18326-20	N	5030B	W846 8260D BY SII	Stage 2B
22-Aug-2024	2434X00B019F	FC18326-21	N	5030B	W846 8260D BY SII	Stage 2B
22-Aug-2024	2434X0BW030F	FC18328-3	N	5030B	W846 8260D BY SII	Stage 2B

N = Normal Sample *TB* = Trip Blank *MS* = Matrix Spike
FD = Field Duplicate *FB* = Field Blank *MSD* = Matrix Spike Duplicate

Sample Cross Reference

Date Collected	Field Sample ID	Lab Sample ID	Sample Type	Prep Method	Analytical Method	Review Level
22-Aug-2024	2434X0BW063D	FC18326-22	FD	5030B	W846 8260D BY SII	Stage 2B
22-Aug-2024	2434X0BW031F	FC18326-23	N	5030B	W846 8260D BY SII	Stage 2B
22-Aug-2024	2434X0BW031FMS	FC18326-23MS	MS	5030B	W846 8260D BY SII	Stage 2B
22-Aug-2024	2434X0BW031FMSD	FC18326-23MSD	MSD	5030B	W846 8260D BY SII	Stage 2B
22-Aug-2024	2434X0BW038F	FC18326-24	N	5030B	W846 8260D BY SII	Stage 2B
22-Aug-2024	24340BWX193C	FC18326-9	FB	5030B	W846 8260D BY SII	Stage 2B
23-Aug-2024	2434Y0BW215A	FC18326-32	TB	5030B	W846 8260D BY SII	Stage 2B
23-Aug-2024	24340BWX212A	FC18326-25	TB	5030B	W846 8260D BY SII	Stage 2B
23-Aug-2024	2434X0BW040F	FC18326-33	N	5030B	W846 8260D BY SII	Stage 2B
23-Aug-2024	2434X0BW183F	FC18326-34	N	5030B	W846 8260D BY SII	Stage 2B
23-Aug-2024	2434X0BW064D	FC18326-35	FD	5030B	W846 8260D BY SII	Stage 2B
23-Aug-2024	2434X0BW039F	FC18326-36	N	5030B	W846 8260D BY SII	Stage 2B
23-Aug-2024	2434X0BW039FMS	FC18326-36MS	MS	5030B	W846 8260D BY SII	Stage 2B
23-Aug-2024	2434X0BW039FMSD	FC18326-36MSD	MSD	5030B	W846 8260D BY SII	Stage 2B
23-Aug-2024	2434X0BW182F	FC18326-37	N	5030B	W846 8260D BY SII	Stage 2B
23-Aug-2024	2434Y0BW198C	FC18326-38	FB	5030B	W846 8260D BY SII	Stage 2B
23-Aug-2024	2434X0BW022F	FC18326-39	N	5030B	W846 8260D BY SII	Stage 2B
23-Aug-2024	2434X0BW006F	FC18326-26	N	5030B	W846 8260D BY SII	Stage 2B
23-Aug-2024	2434X0BW057F	FC18326-40	N	5030B	W846 8260D BY SII	Stage 2B
23-Aug-2024	2434X0BW058F	FC18326-41	N	5030B	W846 8260D BY SII	Stage 2B
23-Aug-2024	2434X0BW059F	FC18326-42	N	5030B	W846 8260D BY SII	Stage 2B
23-Aug-2024	2434X0BW008F	FC18326-27	N	5030B	W846 8260D BY SII	Stage 2B
23-Aug-2024	2434X0BW010F	FC18326-28	N	5030B	W846 8260D BY SII	Stage 2B
23-Aug-2024	2434X0BW012F	FC18326-29	N	5030B	W846 8260D BY SII	Stage 2B
23-Aug-2024	2434XOU2001F	FC18326-30	N	5030B	W846 8260D BY SII	Stage 2B
23-Aug-2024	2434XOU2002F	FC18326-31	N	5030B	W846 8260D BY SII	Stage 2B

N = Normal Sample *TB* = Trip Blank *MS* = Matrix Spike
FD = Field Duplicate *FB* = Field Blank *MSD* = Matrix Spike Duplicate

Attachment 2
Overall Data Qualification Summary

Data Qualifier Summary

Lab Reporting Batch ID: FC18326, FC18328, FC18340,

Laboratory: ACTO

EDD Filename: PrepFC18326ACTO, PrepFC18328ACTO,
PrepFC18340ACTO, PrepFC18341ACTO,
PrepFC18342ACTO

eQAPP Name: FtOrd_UFP_QAPP_Rev9_3

SDG: FC18326

Method Category: VOA
Method: SW846 8260D BY SIM **Matrix:** AQ

Sample ID: 24340BWX210A		8/22/2024 7:30:00 Collected: AM			Analysis Type: 1RES			Dilution: 1.00	
Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
CHLOROFORM	0.11	J	0.25	LOD	0.50	LOQ	ug/L	J	RI

Sample ID: 24340BWX212A		8/23/2024 7:10:00 Collected: AM			Analysis Type: 1RES			Dilution: 1.00	
Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
CHLOROFORM	0.14	J	0.25	LOD	0.50	LOQ	ug/L	J	RI
METHYLENE CHLORIDE	2.4	B	0.50	LOD	2.0	LOQ	ug/L	UJ	Lcs, Mb, Ccv

Sample ID: 2434X00B019F		8/22/2024 2:50:00 Collected: PM			Analysis Type: 1RES			Dilution: 1.00	
Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
CARBON TETRACHLORIDE	0.39	J	0.25	LOD	0.50	LOQ	ug/L	J	RI
CHLOROFORM	0.54		0.25	LOD	0.50	LOQ	ug/L	U	Tb

Sample ID: 2434X00B020F		8/22/2024 9:37:00 Collected: AM			Analysis Type: 1RES			Dilution: 1.00	
Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
CARBON TETRACHLORIDE	0.16	J	0.25	LOD	0.50	LOQ	ug/L	J	RI

Sample ID: 2434X0BW005F		8/22/2024 12:59:00 Collected: PM			Analysis Type: 1RES			Dilution: 1.00	
Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
CARBON TETRACHLORIDE	0.33	J	0.25	LOD	0.50	LOQ	ug/L	J	RI
CHLOROFORM	0.14	J	0.25	LOD	0.50	LOQ	ug/L	U	Tb
Trichloroethylene	0.22	J	0.25	LOD	0.50	LOQ	ug/L	J	RI

* denotes a non-reportable result

Project Name and Number: - Fort Ord Groundwater Monitoring

9/18/2024 12:51:22 PM

ADR version 1.9.0.325

Page 1 of 11

Data Qualifier Summary

Lab Reporting Batch ID: FC18326, FC18328, FC18340,

Laboratory: ACTO

EDD Filename: PrepFC18326ACTO, PrepFC18328ACTO,
PrepFC18340ACTO, PrepFC18341ACTO,
PrepFC18342ACTO

eQAPP Name: FtOrd_UFP_QAPP_Rev9_3

SDG: FC18326

Method Category: VOA
Method: SW846 8260D BY SIM **Matrix:** AQ

Sample ID: 2434X0BW006F		8/23/2024 9:25:00			Analysis Type: 1RES			Dilution: 1.00	
		Collected: AM							
Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
CARBON TETRACHLORIDE	0.49	J	0.25	LOD	0.50	LOQ	ug/L	J	RI
CHLOROFORM	0.36	J	0.25	LOD	0.50	LOQ	ug/L	U	Tb
METHYLENE CHLORIDE	1.5	JB	0.50	LOD	2.0	LOQ	ug/L	UJ	Lcs, Mb, Tb, Ccv

Sample ID: 2434X0BW007F		8/22/2024 2:02:00			Analysis Type: 1RES			Dilution: 1.00	
		Collected: PM							
Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
CHLOROFORM	0.29	J	0.25	LOD	0.50	LOQ	ug/L	U	Tb

Sample ID: 2434X0BW008F		8/23/2024 10:14:00			Analysis Type: 1RES			Dilution: 1.00	
		Collected: AM							
Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2-DICHLOROETHENE (TOTAL)	0.30	J	0.25	LOD	0.50	LOQ	ug/L	J	RI
METHYLENE CHLORIDE	1.4	JB	0.50	LOD	2.0	LOQ	ug/L	UJ	Lcs, Mb, Tb, Ccv

Sample ID: 2434X0BW009F		8/22/2024 2:25:00			Analysis Type: 1RES			Dilution: 1.00	
		Collected: PM							
Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
CARBON TETRACHLORIDE	0.10	J	0.25	LOD	0.50	LOQ	ug/L	J	RI
CHLOROFORM	0.10	J	0.25	LOD	0.50	LOQ	ug/L	U	Tb

Sample ID: 2434X0BW010F		8/23/2024 10:44:00			Analysis Type: 1RES			Dilution: 1.00	
		Collected: AM							
Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
CHLOROFORM	0.11	J	0.25	LOD	0.50	LOQ	ug/L	U	Tb
METHYLENE CHLORIDE	1.4	JB	0.50	LOD	2.0	LOQ	ug/L	UJ	Lcs, Mb, Tb, Ccv

* denotes a non-reportable result

Project Name and Number: - Fort Ord Groundwater Monitoring

9/18/2024 12:51:22 PM

ADR version 1.9.0.325

Page 2 of 11

Data Qualifier Summary

Lab Reporting Batch ID: FC18326, FC18328, FC18340,

Laboratory: ACTO

EDD Filename: PrepFC18326ACTO, PrepFC18328ACTO,
PrepFC18340ACTO, PrepFC18341ACTO,
PrepFC18342ACTO

eQAPP Name: FtOrd_UFP_QAPP_Rev9_3

SDG: FC18326

Method Category: VOA

Method: SW846 8260D BY SIM

Matrix: AQ

Sample ID: 2434X0BW011F		8/22/2024 10:13:00			Analysis Type: 1RES			Dilution: 1.00	
Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
CHLOROFORM	0.20	J	0.25	LOD	0.50	LOQ	ug/L	U	Tb
Trichloroethylene	0.21	J	0.25	LOD	0.50	LOQ	ug/L	J	RI

Sample ID: 2434X0BW012F		8/23/2024 11:19:00			Analysis Type: 1RES			Dilution: 1.00	
Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2-DICHLOROETHENE (TOTAL)	0.10	J	0.25	LOD	0.50	LOQ	ug/L	J	RI
CARBON TETRACHLORIDE	0.11	J	0.25	LOD	0.50	LOQ	ug/L	J	RI
METHYLENE CHLORIDE	1.4	JB	0.50	LOD	2.0	LOQ	ug/L	UJ	Lcs, Mb, Tb, Ccv

Sample ID: 2434X0BW024F		8/22/2024 2:12:00			Analysis Type: 1RES			Dilution: 1.00	
Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
CHLOROFORM	0.32	J	0.25	LOD	0.50	LOQ	ug/L	U	Tb
Trichloroethylene	0.46	J	0.25	LOD	0.50	LOQ	ug/L	J	RI

Sample ID: 2434X0BW025F		8/22/2024 11:06:00			Analysis Type: 1RES			Dilution: 1.00	
Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
CARBON TETRACHLORIDE	0.13	J	0.25	LOD	0.50	LOQ	ug/L	J	RI

Sample ID: 2434X0BW026F		8/22/2024 1:34:00			Analysis Type: 1RES			Dilution: 1.00	
Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
CHLOROFORM	0.34	J	0.25	LOD	0.50	LOQ	ug/L	U	Tb
Trichloroethylene	0.29	J	0.25	LOD	0.50	LOQ	ug/L	J	RI

* denotes a non-reportable result

Project Name and Number: - Fort Ord Groundwater Monitoring

9/18/2024 12:51:22 PM

ADR version 1.9.0.325

Page 3 of 11

Data Qualifier Summary

Lab Reporting Batch ID: FC18326, FC18328, FC18340,

Laboratory: ACTO

EDD Filename: PrepFC18326ACTO, PrepFC18328ACTO,
PrepFC18340ACTO, PrepFC18341ACTO,
PrepFC18342ACTO

eQAPP Name: FtOrd_UFP_QAPP_Rev9_3

SDG: FC18326

Method Category: VOA
Method: SW846 8260D BY SIM **Matrix:** AQ

Sample ID: 2434X0BW027F		8/22/2024 2:06:00			Analysis Type: 1RES			Dilution: 1.00	
		Collected: PM							
Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
CARBON TETRACHLORIDE	0.42	J	0.25	LOD	0.50	LOQ	ug/L	J	RI
CHLOROFORM	0.16	J	0.25	LOD	0.50	LOQ	ug/L	U	Tb

Sample ID: 2434X0BW029F		8/22/2024 2:32:00			Analysis Type: 1RES			Dilution: 1.00	
		Collected: PM							
Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
CARBON TETRACHLORIDE	0.38	J	0.25	LOD	0.50	LOQ	ug/L	J	RI

Sample ID: 2434X0BW031F		8/22/2024 3:18:00			Analysis Type: 1RES			Dilution: 1.00	
		Collected: PM							
Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
METHYLENE CHLORIDE	1.5	JB	0.50	LOD	2.0	LOQ	ug/L	UJ	Ms, Lcs, Mb, Ccv

Sample ID: 2434X0BW038F		8/22/2024 3:30:00			Analysis Type: 1RES			Dilution: 1.00	
		Collected: PM							
Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
CARBON TETRACHLORIDE	0.10	J	0.25	LOD	0.50	LOQ	ug/L	J	RI
CHLOROFORM	0.46	J	0.25	LOD	0.50	LOQ	ug/L	U	Tb
METHYLENE CHLORIDE	1.5	JB	0.50	LOD	2.0	LOQ	ug/L	UJ	Lcs, Mb, Ccv

Sample ID: 2434X0BW040F		8/23/2024 7:50:00			Analysis Type: 1RES			Dilution: 1.00	
		Collected: AM							
Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
CARBON TETRACHLORIDE	0.13	J	0.25	LOD	0.50	LOQ	ug/L	J	RI
METHYLENE CHLORIDE	1.4	JB	0.50	LOD	2.0	LOQ	ug/L	UJ	Lcs, Mb, Tb, Ccv

* denotes a non-reportable result

Project Name and Number: - Fort Ord Groundwater Monitoring

9/18/2024 12:51:22 PM

ADR version 1.9.0.325

Page 4 of 11

Data Qualifier Summary

Lab Reporting Batch ID: FC18326, FC18328, FC18340,

Laboratory: ACTO

EDD Filename: PrepFC18326ACTO, PrepFC18328ACTO,
PrepFC18340ACTO, PrepFC18341ACTO,
PrepFC18342ACTO

eQAPP Name: FtOrd_UFP_QAPP_Rev9_3

SDG: FC18326

Method Category: VOA

Method: SW846 8260D BY SIM

Matrix: AQ

8/22/2024 11:28:00									
Sample ID: 2434X0BW051F	Collected: AM			Analysis Type: 1RES				Dilution: 1.00	
Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
CHLOROFORM	0.25	J	0.25	LOD	0.50	LOQ	ug/L	U	Tb

8/22/2024 1:37:00									
Sample ID: 2434X0BW054F	Collected: PM			Analysis Type: 1RES				Dilution: 1.00	
Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
CHLOROFORM	0.15	J	0.25	LOD	0.50	LOQ	ug/L	U	Tb

8/22/2024 11:53:00									
Sample ID: 2434X0BW055F	Collected: AM			Analysis Type: 1RES				Dilution: 1.00	
Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
CARBON TETRACHLORIDE	0.35	J	0.25	LOD	0.50	LOQ	ug/L	J	RI
CHLOROFORM	0.53		0.25	LOD	0.50	LOQ	ug/L	U	Tb

8/23/2024 9:25:00									
Sample ID: 2434X0BW057F	Collected: AM			Analysis Type: 1RES				Dilution: 1.00	
Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
CHLOROFORM	0.10	J	0.25	LOD	0.50	LOQ	ug/L	U	Tb
Trichloroethylene	0.17	J	0.25	LOD	0.50	LOQ	ug/L	J	RI

8/23/2024 9:39:00									
Sample ID: 2434X0BW058F	Collected: AM			Analysis Type: 1RES				Dilution: 1.00	
Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
CHLOROFORM	0.13	J	0.25	LOD	0.50	LOQ	ug/L	U	Tb

8/23/2024 9:50:00									
Sample ID: 2434X0BW059F	Collected: AM			Analysis Type: 1RES				Dilution: 1.00	
Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
Trichloroethylene	0.27	J	0.25	LOD	0.50	LOQ	ug/L	J	RI

* denotes a non-reportable result

Project Name and Number: - Fort Ord Groundwater Monitoring

9/18/2024 12:51:22 PM

ADR version 1.9.0.325

Page 5 of 11

Data Qualifier Summary

Lab Reporting Batch ID: FC18326, FC18328, FC18340,

Laboratory: ACTO

EDD Filename: PrepFC18326ACTO, PrepFC18328ACTO,
PrepFC18340ACTO, PrepFC18341ACTO,
PrepFC18342ACTO

eQAPP Name: FtOrd_UFP_QAPP_Rev9_3

SDG: FC18326

Method Category: VOA
Method: SW846 8260D BY SIM **Matrix:** AQ

8/22/2024 2:07:00									
Sample ID:2434X0BW061D			Collected:PM			Analysis Type:1RES			Dilution: 1.00
Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
CHLOROFORM	0.29	J	0.25	LOD	0.50	LOQ	ug/L	U	Tb

8/22/2024 2:17:00									
Sample ID:2434X0BW062D			Collected:PM			Analysis Type:1RES			Dilution: 1.00
Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
CHLOROFORM	0.33	J	0.25	LOD	0.50	LOQ	ug/L	U	Tb
Trichloroethylene	0.45	J	0.25	LOD	0.50	LOQ	ug/L	J	RI

8/22/2024 2:55:00									
Sample ID:2434X0BW063D			Collected:PM			Analysis Type:1RES			Dilution: 1.00
Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
CARBON TETRACHLORIDE	0.38	J	0.25	LOD	0.50	LOQ	ug/L	J	RI

8/23/2024 7:58:00									
Sample ID:2434X0BW064D			Collected:AM			Analysis Type:1RES			Dilution: 1.00
Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
CHLOROFORM	0.22	J	0.25	LOD	0.50	LOQ	ug/L	U	Tb
METHYLENE CHLORIDE	1.5	JB	0.50	LOD	2.0	LOQ	ug/L	UJ	Lcs, Mb, Tb, Ccv

8/22/2024 9:52:00									
Sample ID:2434X0BW156F			Collected:AM			Analysis Type:1RES			Dilution: 1.00
Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
Trichloroethylene	0.11	J	0.25	LOD	0.50	LOQ	ug/L	J	RI

8/23/2024 8:15:00									
Sample ID:2434X0BW182F			Collected:AM			Analysis Type:1RES			Dilution: 1.00
Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
CHLOROFORM	0.15	J	0.25	LOD	0.50	LOQ	ug/L	U	Tb

* denotes a non-reportable result

Project Name and Number: - Fort Ord Groundwater Monitoring

9/18/2024 12:51:22 PM

ADR version 1.9.0.325

Page 6 of 11

Data Qualifier Summary

Lab Reporting Batch ID: FC18326, FC18328, FC18340,

Laboratory: ACTO

EDD Filename: PrepFC18326ACTO, PrepFC18328ACTO,
PrepFC18340ACTO, PrepFC18341ACTO,
PrepFC18342ACTO

eQAPP Name: FtOrd_UFP_QAPP_Rev9_3

SDG: FC18326

Method Category: VOA
Method: SW846 8260D BY SIM **Matrix:** AQ

Sample ID: 2434X0BW183F		8/23/2024 7:53:00 Collected: AM			Analysis Type: 1RES			Dilution: 1.00	
Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
CHLOROFORM	0.24	J	0.25	LOD	0.50	LOQ	ug/L	U	Tb
METHYLENE CHLORIDE	1.5	JB	0.50	LOD	2.0	LOQ	ug/L	UJ	Lcs, Mb, Tb, Ccv

Sample ID: 2434XOU2001F		8/23/2024 1:04:00 Collected: PM			Analysis Type: 1RES			Dilution: 1.00	
Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
CHLOROFORM	0.18	J	0.25	LOD	0.50	LOQ	ug/L	U	Tb
METHYLENE CHLORIDE	1.4	JB	0.50	LOD	2.0	LOQ	ug/L	UJ	Lcs, Mb, Tb, Ccv

Sample ID: 2434XOU2002F		8/23/2024 1:24:00 Collected: PM			Analysis Type: 1RES			Dilution: 1.00	
Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
CARBON TETRACHLORIDE	0.42	J	0.25	LOD	0.50	LOQ	ug/L	J	RI
METHYLENE CHLORIDE	1.4	JB	0.50	LOD	2.0	LOQ	ug/L	UJ	Lcs, Mb, Tb, Ccv

Sample ID: 2434Y0BW215A		8/23/2024 7:05:00 Collected: AM			Analysis Type: 1RES			Dilution: 1.00	
Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
METHYLENE CHLORIDE	1.5	JB	0.50	LOD	2.0	LOQ	ug/L	UJ	Lcs, Mb, Ccv

SDG: FC18340

Method Category: VOA
Method: SW846 8260D BY SIM **Matrix:** AQ

Sample ID: 2434WOU2144F		8/21/2024 1:57:00 Collected: PM			Analysis Type: 1RES			Dilution: 1.00	
Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
CARBON TETRACHLORIDE	0.16	J	0.25	LOD	0.50	LOQ	ug/L	J	RI

* denotes a non-reportable result

Project Name and Number: - Fort Ord Groundwater Monitoring

9/18/2024 12:51:22 PM

ADR version 1.9.0.325

Page 7 of 11

Data Qualifier Summary

Lab Reporting Batch ID: FC18326, FC18328, FC18340,

Laboratory: ACTO

EDD Filename: PrepFC18326ACTO, PrepFC18328ACTO,
PrepFC18340ACTO, PrepFC18341ACTO,
PrepFC18342ACTO

eQAPP Name: FtOrd_UFP_QAPP_Rev9_3

SDG: FC18341

Method Category: VOA
Method: SW846 8260D BY SIM **Matrix:** AQ

Sample ID: 2434X0BW017F		8/21/2024 2:44:00 Collected: PM			Analysis Type: 1RES			Dilution: 1.00		
Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code	
METHYLENE CHLORIDE	1.3	JB	0.50	LOD	2.0	LOQ	ug/L	UJ	Lcs, Mb, Ccv	

Sample ID: 2434X0BW036F		8/21/2024 11:57:00 Collected: AM			Analysis Type: 1RES			Dilution: 1.00		
Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code	
CHLOROFORM	0.15	J	0.25	LOD	0.50	LOQ	ug/L	J	RI	
METHYLENE CHLORIDE	1.4	JB	0.50	LOD	2.0	LOQ	ug/L	UJ	Lcs, Mb, Ccv	

Sample ID: 2434X0BW041F		8/21/2024 9:20:00 Collected: AM			Analysis Type: 1RES			Dilution: 1.00		
Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code	
CHLOROFORM	0.19	J	0.25	LOD	0.50	LOQ	ug/L	J	RI	
METHYLENE CHLORIDE	1.5	JB	0.50	LOD	2.0	LOQ	ug/L	UJ	Lcs, Mb, Ccv	

Sample ID: 2434X0BW048F		8/21/2024 8:46:00 Collected: AM			Analysis Type: 1RES			Dilution: 1.00		
Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code	
CARBON TETRACHLORIDE	0.45	J	0.25	LOD	0.50	LOQ	ug/L	J	RI	
CHLOROFORM	0.18	J	0.25	LOD	0.50	LOQ	ug/L	J	RI	
METHYLENE CHLORIDE	1.5	JB	0.50	LOD	2.0	LOQ	ug/L	UJ	Lcs, Mb, Ccv	

Sample ID: 2434X0BW049F		8/21/2024 1:47:00 Collected: PM			Analysis Type: 1RES			Dilution: 1.00		
Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code	
CHLOROFORM	0.27	J	0.25	LOD	0.50	LOQ	ug/L	J	RI	
METHYLENE CHLORIDE	1.3	JB	0.50	LOD	2.0	LOQ	ug/L	UJ	Lcs, Mb, Ccv	

* denotes a non-reportable result

Project Name and Number: - Fort Ord Groundwater Monitoring

9/18/2024 12:51:22 PM

ADR version 1.9.0.325

Page 8 of 11

Data Qualifier Summary

Lab Reporting Batch ID: FC18326, FC18328, FC18340,

Laboratory: ACTO

EDD Filename: PrepFC18326ACTO, PrepFC18328ACTO,
PrepFC18340ACTO, PrepFC18341ACTO,
PrepFC18342ACTO

eQAPP Name: FtOrd_UFP_QAPP_Rev9_3

SDG: FC18341

Method Category: VOA
Method: SW846 8260D BY SIM **Matrix:** AQ

Sample ID: 2434X0BW050F		8/21/2024 2:23:00 Collected: PM			Analysis Type: 1RES			Dilution: 1.00	
Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
CHLOROFORM	0.35	J	0.25	LOD	0.50	LOQ	ug/L	J	RI
METHYLENE CHLORIDE	1.3	JB	0.50	LOD	2.0	LOQ	ug/L	UJ	Lcs, Mb, Ccv

Sample ID: 2434X0BW052F		8/21/2024 11:40:00 Collected: AM			Analysis Type: 1RES			Dilution: 1.00	
Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
CARBON TETRACHLORIDE	0.41	J	0.25	LOD	0.50	LOQ	ug/L	J	RI
CHLOROFORM	0.13	J	0.25	LOD	0.50	LOQ	ug/L	J	RI
METHYLENE CHLORIDE	1.5	JB	0.50	LOD	2.0	LOQ	ug/L	UJ	Lcs, Mb, Ccv

Sample ID: 2434X0BW053F		8/21/2024 10:35:00 Collected: AM			Analysis Type: 1RES			Dilution: 1.00	
Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
CARBON TETRACHLORIDE	0.31	J	0.25	LOD	0.50	LOQ	ug/L	J	RI
METHYLENE CHLORIDE	1.6	JB	0.50	LOD	2.0	LOQ	ug/L	UJ	Lcs, Mb, Ccv

Sample ID: 2434X0BW056F		8/21/2024 11:12:00 Collected: AM			Analysis Type: 1RES			Dilution: 1.00	
Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
CARBON TETRACHLORIDE	0.25	J	0.25	LOD	0.50	LOQ	ug/L	J	RI
METHYLENE CHLORIDE	1.7	JB	0.50	LOD	2.0	LOQ	ug/L	UJ	Lcs, Mb, Ccv

Sample ID: 2434X0BW066D		8/21/2024 1:48:00 Collected: PM			Analysis Type: 1RES			Dilution: 1.00	
Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
CHLOROFORM	0.28	J	0.25	LOD	0.50	LOQ	ug/L	J	RI
METHYLENE CHLORIDE	1.3	JB	0.50	LOD	2.0	LOQ	ug/L	UJ	Lcs, Mb, Ccv

SDG: FC18342

* denotes a non-reportable result

Project Name and Number: - Fort Ord Groundwater Monitoring

9/18/2024 12:51:22 PM

ADR version 1.9.0.325

Page 9 of 11

Data Qualifier Summary

Lab Reporting Batch ID: FC18326, FC18328, FC18340,

Laboratory: ACTO

EDD Filename: PrepFC18326ACTO, PrepFC18328ACTO,
PrepFC18340ACTO, PrepFC18341ACTO,
PrepFC18342ACTO

eQAPP Name: FtOrd_UFP_QAPP_Rev9_3

SDG: FC18342

Method Category: VOA

Method: SW846 8260D BY SIM

Matrix: AQ

8/21/2024 3:37:00

Sample ID: 2434X0BW023F Collected: PM Analysis Type: 1RES Dilution: 1.00

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
CARBON TETRACHLORIDE	0.27	J	0.25	LOD	0.50	LOQ	ug/L	J	RI

* denotes a non-reportable result

Project Name and Number: - Fort Ord Groundwater Monitoring

9/18/2024 12:51:22 PM

ADR version 1.9.0.325

Page 10 of 11

Data Qualifier Summary

Lab Reporting Batch ID: FC18326, FC18328, FC18340,

Laboratory: ACTO

EDD Filename: PrepFC18326ACTO, PrepFC18328ACTO,
PrepFC18340ACTO, PrepFC18341ACTO,
PrepFC18342ACTO

eQAPP Name: FtOrd_UFP_QAPP_Rev9_3

Reason Code Legend

<i>Reason Code</i>	<i>Description</i>
Ccv	Continuing Calibration Verification Percent Difference Upper Estimation
Lcs	Laboratory Control Spike Upper Estimation
Mb	Method Blank Contamination
Ms	Matrix Spike Upper Estimation
RI	Reporting Limit Trace Value
Tb	Trip Blank Contamination

* denotes a non-reportable result

Project Name and Number: - Fort Ord Groundwater Monitoring

9/18/2024 12:51:22 PM

ADR version 1.9.0.325

Page 11 of 11

Enclosure I
Validation Outlier Reports

Quality Control Outlier Reports

FC18326

Method Blank Outlier Report

Lab Reporting Batch ID: FC18326

Laboratory: ACTO

EDD Filename: FC18326ACTO

eQAPP Name: FtOrd_UFP_QAPP_Rev9_3

Method: SW846 8260D BY SIM
Matrix: AQ

Method Blank Sample ID	Analysis Date	Analyte	Result	Associated Samples
VN6714-MB	9/4/2024 8:19:00 AM	METHYLENE CHLORIDE	1.6 ug/L	24340BWX212A 2434X0BW006F 2434X0BW008F 2434X0BW010F 2434X0BW012F 2434X0BW031F 2434X0BW038F 2434X0BW040F 2434X0BW064D 2434X0BW183F 2434XOU2001F 2434XOU2002F 2434Y0BW215A

The following samples and their listed target analytes were qualified due to contamination reported in this blank

Sample ID	Analyte	Reported Result	Modified Final Result
24340BWX212A(1RES)	METHYLENE CHLORIDE	2.4 ug/L	2.4U ug/L
2434X0BW006F(1RES)	METHYLENE CHLORIDE	1.5 ug/L	1.5U ug/L
2434X0BW008F(1RES)	METHYLENE CHLORIDE	1.4 ug/L	1.4U ug/L
2434X0BW010F(1RES)	METHYLENE CHLORIDE	1.4 ug/L	1.4U ug/L
2434X0BW012F(1RES)	METHYLENE CHLORIDE	1.4 ug/L	1.4U ug/L
2434X0BW031F(1RES)	METHYLENE CHLORIDE	1.5 ug/L	1.5U ug/L
2434X0BW038F(1RES)	METHYLENE CHLORIDE	1.5 ug/L	1.5U ug/L
2434X0BW040F(1RES)	METHYLENE CHLORIDE	1.4 ug/L	1.4U ug/L
2434X0BW064D(1RES)	METHYLENE CHLORIDE	1.5 ug/L	1.5U ug/L
2434X0BW183F(1RES)	METHYLENE CHLORIDE	1.5 ug/L	1.5U ug/L
2434XOU2001F(1RES)	METHYLENE CHLORIDE	1.4 ug/L	1.4U ug/L
2434XOU2002F(1RES)	METHYLENE CHLORIDE	1.4 ug/L	1.4U ug/L
2434Y0BW215A(1RES)	METHYLENE CHLORIDE	1.5 ug/L	1.5U ug/L

Trip Blank Outlier Report

Lab Reporting Batch ID: FC18326

Laboratory: ACTO

EDD Filename: FC18326ACTO

eQAPP Name: FtOrd_UFP_QAPP_Rev9_3

Method: SW846 8260D BY SIM

Matrix: AQ

Trip Blank Sample ID	Collected Date	Analyte	Result	Associated Samples
24340BWX210A(1RES)	8/22/2024 7:30:00 AM	CHLOROFORM	0.11 ug/L	24340BWX193C 2434X00B019F 2434X00B020F 2434X0BW005F 2434X0BW007F 2434X0BW009F 2434X0BW011F 2434X0BW018F 2434X0BW024F 2434X0BW025F 2434X0BW026F 2434X0BW027F 2434X0BW028F 2434X0BW029F 2434X0BW031F 2434X0BW038F 2434X0BW051F 2434X0BW054F 2434X0BW055F 2434X0BW061D 2434X0BW062D 2434X0BW063D 2434X0BW156F
24340BWX212A(1RES)	8/23/2024 7:10:00 AM	CHLOROFORM METHYLENE CHLORIDE	0.14 ug/L 2.4 ug/L	2434X0BW006F 2434X0BW008F 2434X0BW010F 2434X0BW012F 2434X0BW022F 2434X0BW039F 2434X0BW040F 2434X0BW057F 2434X0BW058F 2434X0BW059F 2434X0BW064D 2434X0BW182F 2434X0BW183F 2434XOU2001F 2434XOU2002F 2434Y0BW198C
2434Y0BW215A(1RES)	8/23/2024 7:05:00 AM	METHYLENE CHLORIDE	1.5 ug/L	2434X0BW006F 2434X0BW008F 2434X0BW010F 2434X0BW012F 2434X0BW022F 2434X0BW039F 2434X0BW040F 2434X0BW057F 2434X0BW058F 2434X0BW059F 2434X0BW064D 2434X0BW182F 2434X0BW183F 2434XOU2001F 2434XOU2002F 2434Y0BW198C

The following samples and their listed target analytes were qualified due to contamination reported in this blank

Sample ID	Analyte	Reported Result	Modified Final Result
2434X00B019F(1RES)	CHLOROFORM	0.54 ug/L	0.54U ug/L
2434X0BW005F(1RES)	CHLOROFORM	0.14 ug/L	0.14U ug/L

Project Name and Number: - Fort Ord Groundwater Monitoring

9/18/2024 11:20:46 AM

ADR version 1.9.0.325

Page 1 of 2

Trip Blank Outlier Report

Lab Reporting Batch ID: FC18326

Laboratory: ACTO

EDD Filename: FC18326ACTO

eQAPP Name: FtOrd_UFP_QAPP_Rev9_3

Method: SW846 8260D BY SIM

Matrix: AQ

Trip Blank Sample ID	Collected Date	Analyte	Result	Associated Samples
----------------------	----------------	---------	--------	--------------------

The following samples and their listed target analytes were qualified due to contamination reported in this blank

Sample ID	Analyte	Reported Result	Modified Final Result
2434X0BW006F(1RES)	CHLOROFORM	0.36 ug/L	0.36U ug/L
2434X0BW006F(1RES)	METHYLENE CHLORIDE	1.5 ug/L	1.5U ug/L
2434X0BW007F(1RES)	CHLOROFORM	0.29 ug/L	0.29U ug/L
2434X0BW008F(1RES)	METHYLENE CHLORIDE	1.4 ug/L	1.4U ug/L
2434X0BW009F(1RES)	CHLOROFORM	0.10 ug/L	0.10U ug/L
2434X0BW010F(1RES)	CHLOROFORM	0.11 ug/L	0.11U ug/L
2434X0BW010F(1RES)	METHYLENE CHLORIDE	1.4 ug/L	1.4U ug/L
2434X0BW011F(1RES)	CHLOROFORM	0.20 ug/L	0.20U ug/L
2434X0BW012F(1RES)	METHYLENE CHLORIDE	1.4 ug/L	1.4U ug/L
2434X0BW024F(1RES)	CHLOROFORM	0.32 ug/L	0.32U ug/L
2434X0BW026F(1RES)	CHLOROFORM	0.34 ug/L	0.34U ug/L
2434X0BW027F(1RES)	CHLOROFORM	0.16 ug/L	0.16U ug/L
2434X0BW038F(1RES)	CHLOROFORM	0.46 ug/L	0.46U ug/L
2434X0BW040F(1RES)	METHYLENE CHLORIDE	1.4 ug/L	1.4U ug/L
2434X0BW051F(1RES)	CHLOROFORM	0.25 ug/L	0.25U ug/L
2434X0BW054F(1RES)	CHLOROFORM	0.15 ug/L	0.15U ug/L
2434X0BW055F(1RES)	CHLOROFORM	0.53 ug/L	0.53U ug/L
2434X0BW057F(1RES)	CHLOROFORM	0.10 ug/L	0.10U ug/L
2434X0BW058F(1RES)	CHLOROFORM	0.13 ug/L	0.13U ug/L
2434X0BW061D(1RES)	CHLOROFORM	0.29 ug/L	0.29U ug/L
2434X0BW062D(1RES)	CHLOROFORM	0.33 ug/L	0.33U ug/L
2434X0BW064D(1RES)	CHLOROFORM	0.22 ug/L	0.22U ug/L
2434X0BW064D(1RES)	METHYLENE CHLORIDE	1.5 ug/L	1.5U ug/L
2434X0BW182F(1RES)	CHLOROFORM	0.15 ug/L	0.15U ug/L
2434X0BW183F(1RES)	CHLOROFORM	0.24 ug/L	0.24U ug/L
2434X0BW183F(1RES)	METHYLENE CHLORIDE	1.5 ug/L	1.5U ug/L
2434XOU2001F(1RES)	CHLOROFORM	0.18 ug/L	0.18U ug/L
2434XOU2001F(1RES)	METHYLENE CHLORIDE	1.4 ug/L	1.4U ug/L
2434XOU2002F(1RES)	METHYLENE CHLORIDE	1.4 ug/L	1.4U ug/L

Project Name and Number: - Fort Ord Groundwater Monitoring

9/18/2024 11:20:46 AM

ADR version 1.9.0.325

Page 2 of 2

Matrix Spike/Matrix Spike Duplicate Outlier Report

Lab Reporting Batch ID: FC18326

Laboratory: ACTO

EDD Filename: FC18326ACTO

eQAPP Name: FtOrd_UFP_QAPP_Rev9_3

Method: SW846 8260D BY SIM
Matrix: AQ

QC Sample ID (Associated Samples)	Compound	MS %R	MSD %R	%R Limits	RPD (Limits)	Affected Compounds	Flag
2434X0BW031FMS 2434X0BW031FMSD (2434X0BW031F)	METHYLENE CHLORIDE	161	158	69.00-135.00	-	METHYLENE CHLORIDE	J+ (all detects)
2434X0BW156FMS 2434X0BW156FMSD (2434X0BW156F)	METHYLENE CHLORIDE	155	163	69.00-135.00	-	METHYLENE CHLORIDE	J+(all detects)
2434X0BW039FMS 2434X0BW039FMSD (2434X0BW039F)	1,1-DICHLOROETHYLENE 1,2-DICHLOROETHENE (TOTAL) METHYLENE CHLORIDE	138 128 136	- - 138	78.00-137.00 76.00-127.00 69.00-135.00	- - -	1,1-DICHLOROETHYLENE 1,2-DICHLOROETHENE (TOTAL) METHYLENE CHLORIDE	J+(all detects)

Lab Control Spike/Lab Control Spike Duplicate Outlier Report

Lab Reporting Batch ID: FC18326

Laboratory: ACTO

EDD Filename: FC18326ACTO

eQAPP Name: FtOrd_UFP_QAPP_Rev9_3

Method: SW846 8260D BY SIM
Matrix: AQ

QC Sample ID (Associated Samples)	Compound	LCS %R	LCSD %R	%R Limits	RPD (Limits)	Affected Compounds	Flag
VN6714-BS (24340BWX212A 2434X0BW006F 2434X0BW008F 2434X0BW010F 2434X0BW012F 2434X0BW031F 2434X0BW038F 2434X0BW040F 2434X0BW064D 2434X0BW183F 2434XOU2001F 2434XOU2002F 2434Y0BW215A)	METHYLENE CHLORIDE	192	-	69.00-135.00	-	METHYLENE CHLORIDE	J+ (all detects)
VZ3088-BS (2434X0B019F 2434X0BW063D)	METHYLENE CHLORIDE	148	-	69.00-135.00	-	METHYLENE CHLORIDE	J+(all detects)
VZ3089-BS (2434X0BW022F 2434X0BW039F 2434X0BW057F 2434X0BW058F 2434X0BW059F 2434X0BW182F 2434Y0BW198C)	1,2-DICHLOROETHENE (TOTAL) METHYLENE CHLORIDE	130	-	76.00-127.00	-	1,2-DICHLOROETHENE (TOTAL) METHYLENE CHLORIDE	J+(all detects)

Field Duplicate RPD Report

Lab Reporting Batch ID: FC18326

Laboratory: ACTO

EDD Filename: FC18326ACTO

eQAPP Name: FtOrd_UFP_QAPP_Rev9_3

Method: SW846 8260D BY SIM

Matrix: AQ

Analyte	Concentration (ug/L)		Sample RPD	eQAPP RPD	Flag
	2434X0BW007F	2434X0BW061D			
CARBON TETRACHLORIDE	0.59	0.59	0	30.00	No Qualifiers Applied
CHLOROFORM	0.29	0.29	0	30.00	
Trichloroethylene	0.71	0.69	3	30.00	
Analyte	Concentration (ug/L)		Sample RPD	eQAPP RPD	Flag
	2434X0BW024F	2434X0BW062D			
CARBON TETRACHLORIDE	0.77	0.75	3	30.00	No Qualifiers Applied
CHLOROFORM	0.32	0.33	3	30.00	
Trichloroethylene	0.46	0.45	2	30.00	
Analyte	Concentration (ug/L)		Sample RPD	eQAPP RPD	Flag
	2434X00B019F	2434X0BW063D			
CARBON TETRACHLORIDE	0.39	0.38	3	30.00	No Qualifiers Applied
CHLOROFORM	0.54	0.57	5	30.00	
Analyte	Concentration (ug/L)		Sample RPD	eQAPP RPD	Flag
	2434X0BW183F	2434X0BW064D			
CARBON TETRACHLORIDE	1.3	1.3	0	30.00	No Qualifiers Applied
CHLOROFORM	0.24	0.22	9	30.00	
METHYLENE CHLORIDE	1.5	1.5	0	30.00	

Reporting Limit Outliers

Lab Reporting Batch ID: FC18326

Laboratory: ACTO

EDD Filename: FC18326ACTO

eQAPP Name: FtOrd_UFP_QAPP_Rev9_3

Method: SW846 8260D BY SIM

Matrix: AQ

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
24340BWX210A	CHLOROFORM	J	0.11	0.50	LOQ	ug/L	J (all detects)
24340BWX212A	CHLOROFORM	J	0.14	0.50	LOQ	ug/L	J (all detects)
2434X00B019F	CARBON TETRACHLORIDE	J	0.39	0.50	LOQ	ug/L	J (all detects)
2434X00B020F	CARBON TETRACHLORIDE	J	0.16	0.50	LOQ	ug/L	J (all detects)
2434X0BW005F	CARBON TETRACHLORIDE	J	0.33	0.50	LOQ	ug/L	J (all detects)
	CHLOROFORM	J	0.14	0.50	LOQ	ug/L	
	Trichloroethylene	J	0.22	0.50	LOQ	ug/L	
2434X0BW006F	CARBON TETRACHLORIDE	J	0.49	0.50	LOQ	ug/L	J (all detects)
	CHLOROFORM	J	0.36	0.50	LOQ	ug/L	
	METHYLENE CHLORIDE	JB	1.5	2.0	LOQ	ug/L	
2434X0BW007F	CHLOROFORM	J	0.29	0.50	LOQ	ug/L	J (all detects)
2434X0BW008F	1,2-DICHLOROETHENE (TOTAL)	J	0.30	0.50	LOQ	ug/L	J (all detects)
	METHYLENE CHLORIDE	JB	1.4	2.0	LOQ	ug/L	
2434X0BW009F	CARBON TETRACHLORIDE	J	0.10	0.50	LOQ	ug/L	J (all detects)
	CHLOROFORM	J	0.10	0.50	LOQ	ug/L	
2434X0BW010F	CHLOROFORM	J	0.11	0.50	LOQ	ug/L	J (all detects)
	METHYLENE CHLORIDE	JB	1.4	2.0	LOQ	ug/L	
2434X0BW011F	CHLOROFORM	J	0.20	0.50	LOQ	ug/L	J (all detects)
	Trichloroethylene	J	0.21	0.50	LOQ	ug/L	
2434X0BW012F	1,2-DICHLOROETHENE (TOTAL)	J	0.10	0.50	LOQ	ug/L	J (all detects)
	CARBON TETRACHLORIDE	J	0.11	0.50	LOQ	ug/L	
	METHYLENE CHLORIDE	JB	1.4	2.0	LOQ	ug/L	
2434X0BW024F	CHLOROFORM	J	0.32	0.50	LOQ	ug/L	J (all detects)
	Trichloroethylene	J	0.46	0.50	LOQ	ug/L	
2434X0BW025F	CARBON TETRACHLORIDE	J	0.13	0.50	LOQ	ug/L	J (all detects)
2434X0BW026F	CHLOROFORM	J	0.34	0.50	LOQ	ug/L	J (all detects)
	Trichloroethylene	J	0.29	0.50	LOQ	ug/L	
2434X0BW027F	CARBON TETRACHLORIDE	J	0.42	0.50	LOQ	ug/L	J (all detects)
	CHLOROFORM	J	0.16	0.50	LOQ	ug/L	
2434X0BW029F	CARBON TETRACHLORIDE	J	0.38	0.50	LOQ	ug/L	J (all detects)
2434X0BW031F	METHYLENE CHLORIDE	JB	1.5	2.0	LOQ	ug/L	J (all detects)
2434X0BW038F	CARBON TETRACHLORIDE	J	0.10	0.50	LOQ	ug/L	J (all detects)
	CHLOROFORM	J	0.46	0.50	LOQ	ug/L	
	METHYLENE CHLORIDE	JB	1.5	2.0	LOQ	ug/L	
2434X0BW040F	CARBON TETRACHLORIDE	J	0.13	0.50	LOQ	ug/L	J (all detects)
	METHYLENE CHLORIDE	JB	1.4	2.0	LOQ	ug/L	
2434X0BW051F	CHLOROFORM	J	0.25	0.50	LOQ	ug/L	J (all detects)
2434X0BW054F	CHLOROFORM	J	0.15	0.50	LOQ	ug/L	J (all detects)
2434X0BW055F	CARBON TETRACHLORIDE	J	0.35	0.50	LOQ	ug/L	J (all detects)
2434X0BW057F	CHLOROFORM	J	0.10	0.50	LOQ	ug/L	J (all detects)
	Trichloroethylene	J	0.17	0.50	LOQ	ug/L	
2434X0BW058F	CHLOROFORM	J	0.13	0.50	LOQ	ug/L	J (all detects)
2434X0BW059F	Trichloroethylene	J	0.27	0.50	LOQ	ug/L	J (all detects)

Project Name and Number: - Fort Ord Groundwater Monitoring

9/18/2024 11:20:21 AM

ADR version 1.9.0.325

Page 1 of 2

Reporting Limit Outliers

Lab Reporting Batch ID: FC18326

Laboratory: ACTO

EDD Filename: FC18326ACTO

eQAPP Name: FtOrd_UFP_QAPP_Rev9_3

Method: SW846 8260D BY SIM

Matrix: AQ

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
2434X0BW061D	CHLOROFORM	J	0.29	0.50	LOQ	ug/L	J (all detects)
2434X0BW062D	CHLOROFORM	J	0.33	0.50	LOQ	ug/L	J (all detects)
	Trichloroethylene	J	0.45	0.50	LOQ	ug/L	
2434X0BW063D	CARBON TETRACHLORIDE	J	0.38	0.50	LOQ	ug/L	J (all detects)
2434X0BW064D	CHLOROFORM	J	0.22	0.50	LOQ	ug/L	J (all detects)
	METHYLENE CHLORIDE	JB	1.5	2.0	LOQ	ug/L	
2434X0BW156F	Trichloroethylene	J	0.11	0.50	LOQ	ug/L	J (all detects)
2434X0BW182F	CHLOROFORM	J	0.15	0.50	LOQ	ug/L	J (all detects)
2434X0BW183F	CHLOROFORM	J	0.24	0.50	LOQ	ug/L	J (all detects)
	METHYLENE CHLORIDE	JB	1.5	2.0	LOQ	ug/L	
2434XOU2001F	CHLOROFORM	J	0.18	0.50	LOQ	ug/L	J (all detects)
	METHYLENE CHLORIDE	JB	1.4	2.0	LOQ	ug/L	
2434XOU2002F	CARBON TETRACHLORIDE	J	0.42	0.50	LOQ	ug/L	J (all detects)
	METHYLENE CHLORIDE	JB	1.4	2.0	LOQ	ug/L	
2434Y0BW215A	METHYLENE CHLORIDE	JB	1.5	2.0	LOQ	ug/L	J (all detects)

METHOD: GC/MS Volatiles (EPA SW-846 Method 8260D-SIM)

The samples listed below were reviewed for each of the following validation areas. Validation findings are noted in attached validation findings worksheets.

	Validation Area		Comments
I.	Sample receipt/Technical holding times	A	
II.	GC/MS Instrument performance check	A	
III.	Initial calibration/ICV	AA	BSD < 1570. V ² < 2070
IV.	Continuing calibration / 2nd sig	W	D < 20/5070
V.	Laboratory Blanks	N	Not reviewed for ADR validation ← = detg
VI.	Field blanks	W	FB = 1, 25, 33. *FB = 9.38.
VII.	Surrogate spikes	N	Not reviewed for ADR validation
VIII.	Matrix spike/Matrix spike duplicates	N	Not reviewed for ADR validation
IX.	Laboratory control samples	N	Not reviewed for ADR validation
X.	Field duplicates	W	D = 11+12, 13+14, 21+22, 34+35.
XI.	Internal standards	A	
XII.	Target analyte quantitation	N	Not reviewed for ADR validation
XIII.	Target analyte identification	N	Not reviewed for ADR validation
XIV.	Overall assessment of data	A	

Note: A = Acceptable
 N = Not provided/applicable
 SW = See worksheet

ND = No compounds detected
 R = Rinsate
 FB = Field blank

D = Duplicate
 TB = Trip blank
 EB = Equipment blank

SB = Source blank
 OTHER:

	Client ID	Lab ID	Matrix	Date
1	24340BWX210A	FC18326-1	Water	08/22/24
2	2434X0BW018F	FC18326-2	Water	08/22/24
3	2434X00B020F	FC18326-3	Water	08/22/24
4	2434X0BW156F	FC18326-4	Water	08/22/24
5	2434X0BW011F	FC18326-5	Water	08/22/24
6	2434X0BW025F	FC18326-6	Water	08/22/24
7	2434X0BW051F	FC18326-7	Water	08/22/24
8	2434X0BW055F	FC18326-8	Water	08/22/24
9	24340BWX193C	FC18326-9	Water	08/22/24
10	2434X0BW005F	FC18326-10	Water	08/22/24
11	2434X0BW007F	FC18326-11	Water	08/22/24
12	2434X0BW061D	FC18326-12	Water	08/22/24
13	2434X0BW024F	FC18326-13	Water	08/22/24
14	2434X0BW062D	FC18326-14	Water	08/22/24
15	2434X0BW009F	FC18326-15	Water	08/22/24

LDC #: 59716A1b

VALIDATION COMPLETENESS WORKSHEET

Date: 9/10/24

SDG #: FC18326

ADR

Page: 2 of 2

Laboratory: SGS North America, Inc., Orlando, FL

Reviewer: [Signature]

2nd Reviewer: [Signature]

METHOD: GC/MS Volatiles (EPA SW-846 Method 8260D-SIM)

	Client ID	Lab ID	Matrix	Date
16	2434X0BW026F	FC18326-16	Water	08/22/24
17	2434X0BW054F	FC18326-17	Water	08/22/24
18	2434X0BW027F	FC18326-18	Water	08/22/24
19	2434X0BW028F	FC18326-19	Water	08/22/24
20	2434X0BW029F	FC18326-20	Water	08/22/24
21	2434X00B019F	FC18326-21	Water	08/22/24
22	2434X0BW063D	FC18326-22	Water	08/22/24
23	2434X0BW031F	FC18326-23	Water	08/22/24
24	2434X0BW038F	FC18326-24	Water	08/22/24
25	24340BW0212A	FC18326-25	Water	08/23/24
26	2434X0BW006F	FC18326-26	Water	08/23/24
27	2434X0BW008F	FC18326-27	Water	08/23/24
28	2434X0BW010F	FC18326-28	Water	08/23/24
29	2434X0BW012F	FC18326-29	Water	08/23/24
30	2434XOU2001F	FC18326-30	Water	08/23/24
31	2434XOU2002F	FC18326-31	Water	08/23/24
32	2434Y0BW215A	FC18326-32	Water	08/23/24
33	2434X0BW040F	FC18326-33	Water	08/23/24
34	2434X0BW183F	FC18326-34	Water	08/23/24
35	2434X0BW064D	FC18326-35	Water	08/23/24
36	2434X0BW039F	FC18326-36	Water	08/23/24
37	2434X0BW182F	FC18326-37	Water	08/23/24
38	2434Y0BW198C	FC18326-38	Water	08/23/24
39	2434X0BW022F	FC18326-39	Water	08/23/24
40	2434X0BW057F	FC18326-40	Water	08/23/24
41	2434X0BW058F	FC18326-41	Water	08/23/24
42	2434X0BW059F	FC18326-42	Water	08/23/24
43	2434X0BW156FMS	FC18326-4MS	Water	08/22/24
44	2434X0BW156FMSD	FC18326-4MSD	Water	08/22/24
45	2434X0BW031FMS	FC18326-23MS	Water	08/22/24
46	2434X0BW031FMSD	FC18326-23MSD	Water	08/22/24
47	2434X0BW039FMS	FC18326-36MS	Water	08/23/24
48	2434X0BW039FMSD	FC18326-36MSD	Water	08/23/24
49	V23087 VNGTH ⁺			
50	V23088 V23089			

TARGET COMPOUND WORKSHEET

METHOD: VOA

A. Chloromethane	AA. Tetrachloroethene	AAA. 1,3,5-Trimethylbenzene	AAAA. Ethyl tert-butyl ether	A1. 1,3-Butadiene	A2. 1,2,4,5-Tetramethylbenzene
B. Bromomethane	BB. 1,1,2,2-Tetrachloroethane	BBB. 4-Chlorotoluene	BBBB. tert-Amyl methyl ether	B1. Hexane	B2. n-Octane
C. Vinyl chloride	CC. Toluene	CCC. tert-Butylbenzene	CCCC. 1-Chlorohexane	C1. Heptane	C2. n-Propyl alcohol
D. Chloroethane	DD. Chlorobenzene	DDD. 1,2,4-Trimethylbenzene	DDDD. Isopropyl alcohol	D1. Propylene	D2. n-Pentane
E. Methylene chloride	EE. Ethylbenzene	EEE. sec-Butylbenzene	EEEE. Acetonitrile	E1. Freon 11	E2. n-Decane
F. Acetone	FF. Styrene	FFF. 1,3-Dichlorobenzene	FFFF. Acrolein	F1. Freon 12	F2. Chlorodifluoromethane
G. Carbon disulfide	GG. Xylenes, total	GGG. p-Isopropyltoluene	GGGG. Acrylonitrile	G1. Freon 113	G2. cis-Decahydronaphthalene
H. 1,1-Dichloroethene	HH. Vinyl acetate	HHH. 1,4-Dichlorobenzene	HHHH. 1,4-Dioxane	H1. Freon 114	H2. trans-Decahydronaphthalene
I. 1,1-Dichloroethane	II. 2-Chloroethylvinyl ether	III. n-Butylbenzene	IIII. Isobutyl alcohol	I1. 2-Nitropropane	I2. n-Nonane
J. 1,2-Dichloroethene, total	JJ. Dichlorodifluoromethane	JJJ. 1,2-Dichlorobenzene	JJJJ. Methacrylonitrile	J1. Dimethyl disulfide	J2. n-Undecane
K. Chloroform	KK. Trichlorofluoromethane	KKK. 1,2,4-Trichlorobenzene	KKKK. Propionitrile	K1. 2,3-Dimethyl pentane	K2. Chloroprene
L. 1,2-Dichloroethane	LL. Methyl-tert-butyl ether	LLL. Hexachlorobutadiene	LLLL. Ethyl ether	L1. 2,4-Dimethyl pentane	L2. n-Butanol
M. 2-Butanone	MM. 1,2-Dibromo-3-chloropropane	MMM. Naphthalene	MMMM. Benzyl chloride	M1. 3,3-Dimethyl pentane	M2. n-Butyl acetate
N. 1,1,1-Trichloroethane	NN. Methyl ethyl ketone	NNN. 1,2,3-Trichlorobenzene	NNNN. Iodomethane	N1. 2-Methylpentane	N2. Nitrobenzene
O. Carbon tetrachloride	OO. 2,2-Dichloropropane	OOO. 1,3,5-Trichlorobenzene	OOOO. 1,1-Difluoroethane	O1. 3-Methylpentane	O2. Methyl bromide
P. Bromodichloromethane	PP. Bromochloromethane	PPP. trans-1,2-Dichloroethene	PPPP. Tetrahydrofuran	P1. 3-Ethylpentane	P2. Methyl chloride
Q. 1,2-Dichloropropane	QQ. 1,1-Dichloropropene	QQQ. cis-1,2-Dichloroethene	QQQQ. Methyl acetate	Q1. 2,2-Dimethylpentane	Q2. Methyl iodide
R. cis-1,3-Dichloropropene	RR. Dibromomethane	RRR. m,p-Xylene	RRRR. Ethyl acetate	R1. 2,2,3-Trimethylbutane	R2. Methylene bromide
S. Trichloroethene	SS. 1,3-Dichloropropane	SSS. o-Xylene	SSSS. Cyclohexane	S1. 2,2,4-Trimethylpentane	S2.
T. Dibromochloromethane	TT. 1,2-Dibromoethane	TTT. 1,1,2-Trichloro-1,2,2-trifluoroethane	TTTT. Methylcyclohexane	T1. 2-Methylhexane	T2.
U. 1,1,2-Trichloroethane	UU. 1,1,1,2-Tetrachloroethane	UUU. 1,2-Dichlorotetrafluoroethane	UUUU. Allyl chloride	U1. Nonanal	U2.
V. Benzene	VV. Isopropylbenzene	VVV. 4-Ethyltoluene	VVVV. Methyl methacrylate	V1. 2-Methylnaphthalene	V2.
W. trans-1,3-Dichloropropene	WW. Bromobenzene	WWW. Ethanol	WWWW. Ethyl methacrylate	W1. Methanol	W2.
X. Bromoform	XX. 1,2,3-Trichloropropane	XXX. Di-isopropyl ether	XXXX. cis-1,4-Dichloro-2-butene	X1. 1,2,3-Trimethylbenzene	X2.
Y. 4-Methyl-2-pentanone	YY. n-Propylbenzene	YYY. tert-Butanol	YYYY. trans-1,4-Dichloro-2-butene	Y1. 2-Propanol	Y2.
Z. 2-Hexanone	ZZ. 2-Chlorotoluene	ZZZ. tert-Butyl alcohol	ZZZZ. Pentachloroethane	Z1. p-Diethylbenzene	Z2.

VALIDATION FINDINGS WORKSHEET Continuing Calibration

METHOD: GC/MS VOA (EPA SW 846 Method 8260)

Please see qualifications below for all questions answered "N". Not applicable questions are identified as "N/A".

N N/A Was a continuing calibration standard analyzed at least once every 12 hours for each instrument?

N N/A Were percent differences (%D) ≤20 % and relative response factors (RRF) within the method criteria?

#	Date	Standard ID	Compound	Finding %D (Limit: <20.0%)	Finding RRF (Limit)	Associated Samples	Qualifications
	9/4/24	NO132422	C	21.8		23-35, 45-46 (ND)	↓ +dots/A
			E	58.0		(dots)	↓
	9/4/24	NO132443 (closing)	E	71.1		23-35, 45-46 (dots)	↓ +dots/A
	8/30/24	2T6695 (closing)	E	91.4		1-20, 43-44 (ND)	↓ +dots/A
	9/3/24	2T669T	E	25.3		21-22 (ND)	↓ +dots/A
	9/3/24	2T6T=3 (closing)	E	13.3		21-22 (ND)	↓
	9/4/24	2T6T=5	H	25.1		36-42, 47-48 (ND)	↓ +dots/A
			E	32.5			
			PPP	27.8			
			QQQ	22.1			↓ qual ↓ J only

Note: * = Ave RRF failed method criteria but within validation criteria

Quality Control Outlier Reports

FC18328

Field Duplicate RPD Report

Lab Reporting Batch ID: FC18328

Laboratory: ACTO

EDD Filename: FC18328ACTO

eQAPP Name: FtOrd_UFP_QAPP_Rev9_3

Method: SW846 8260D BY SIM

Matrix: AQ

Analyte	Concentration (ug/L)		Sample RPD	eQAPP RPD	Flag
	2434WOU2149F	2434WOU2175D			
CARBON TETRACHLORIDE	1.9	1.9	0	30.00	No Qualifiers Applied

METHOD: GC/MS Carbon Tetrachloride (EPA SW-846 Method 8260D-SIM)

The samples listed below were reviewed for each of the following validation areas. Validation findings are noted in attached validation findings worksheets.

	Validation Area		Comments
I.	Sample receipt/Technical holding times	A	
II.	GC/MS Instrument performance check	A	
III.	Initial calibration/ICV	A A A	$V = 100$ $100 \leq 20/0$
IV.	Continuing calibration / Closing CCV	A	$D \leq 20/50/0$
V.	Laboratory Blanks	A	
VI.	Field blanks	N	
VII.	Surrogate spikes	A	
VIII.	Matrix spike/Matrix spike duplicates	N	CS
IX.	Laboratory control samples	A	CS
X.	Field duplicates	W	$D = 1 + 2 - ADR$
XI.	Internal standards	A	
XII.	Target analyte quantitation	A	Not reviewed for ADR validation
XIII.	Target analyte identification	A	Not reviewed for ADR validation
XIV.	Overall assessment of data	A	

Note: A = Acceptable ND = No compounds detected D = Duplicate SB=Source blank
 N = Not provided/applicable R = Rinsate TB = Trip blank OTHER:
 SW = See worksheet FB = Field blank EB = Equipment blank

** Indicates sample underwent Stage 4 validation

	Client ID	Lab ID	Matrix	Date
1	2434WOU2149F**	FC18328-1**	Water	08/22/24
2	2434WOU2175D	FC18328-2	Water	08/22/24
3	2434X0BW030F	FC18328-3	Water	08/22/24
4				
5				
6				
7				
8				
9				
10				

Notes:

V23089					

Method: Volatiles (EPA SW 846 Method 8260B-SIM)

Validation Area	Yes	No	NA	Findings/Comments
I. Technical holding times				
Were all technical holding times met?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Was cooler temperature criteria met?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
II. GC/MS Instrument performance check (Not required)				
Were the BFB performance results reviewed and found to be within the specified criteria?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Were all samples analyzed within the 12 hour clock criteria?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
IIIa. Initial calibration				
Did the laboratory perform a 5 point calibration prior to sample analysis?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Were all percent relative standard deviations (%RSD) ≤ 15% and relative response factors (RRF) > 0.05??	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Was a curve fit used for evaluation? If yes, did the initial calibration meet the curve fit acceptance criteria of ≥ 0.990?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
IIIb. Initial Calibration Verification				
Was an initial calibration verification standard analyzed after each initial calibration for each instrument?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Were all percent difference (%D) ≤ 20% or percent recoveries (%R) 80-120%?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
IV. Continuing calibration				
Was a continuing calibration standard analyzed at least once every 12 hours for each instrument?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Were all percent differences (%D) < 20% and relative response factors (RRF) > 0.05?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
V. Laboratory Blanks				
Was a laboratory blank associated with every sample in this SDG?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Was a laboratory blank analyzed at least once every 12 hours for each matrix and concentration?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Was there contamination in the laboratory blanks? If yes, please see the Blanks validation findings worksheet.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
VI. Field blanks				
Were field blanks identified in this SDG?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Were target analytes detected in the field blanks?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
VII. Surrogate spikes				
Were all surrogate percent recovery (%R) within QC limits?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
If the percent recovery (%R) for one or more surrogates was out of QC limits, was a reanalysis performed to confirm samples with %R outside of criteria?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
VIII. Matrix spike/Matrix spike duplicates				
Were matrix spike (MS) and matrix spike duplicate (MSD) analyzed in this SDG?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Were the MS/MSD percent recoveries (%R) and the relative percent differences (RPD) within the QC limits?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	

Validation Area	Yes	No	NA	Findings/Comments
IX. Laboratory control samples				
Was an LCS analyzed per analytical batch?	/			
Were the LCS percent recoveries (%R) and relative percent difference (RPD) within the QC limits?	/			
X. Field duplicates				
Were field duplicate pairs identified in this SDG?	/			
Were target analytes detected in the field duplicates?	/			
XI. Internal standards				
Were internal standard area counts within -50% or +100% of the associated calibration standard?	/			
Were retention times within + 30 seconds of the associated calibration standard?	/			
XII. Target analyte quantitation				
Did the laboratory LOQs/RLs meet the QAPP LOQs/RLs?	/			
Were the correct internal standard (IS), quantitation ion and relative response factor (RRF) used to quantitate the target analyte?	/			
Were target analyte quantitation and RLs adjusted to reflect all sample dilutions and dry weight factors applicable to level IV validation?	/			
Were manual integrations reviewed and found acceptable?	/			
Did the laboratory provide before and after integration printouts?	/			
XIII. Target analyte identification				
Were relative retention times (RRT's) within + 0.06 RRT units of the standard?	/			
Did analyte spectra meet specified EPA "Functional Guidelines" criteria?	/			
Were chromatogram peaks verified and accounted for?	/			
Were manual integrations performed and found acceptable?	/			
Did the lab provide before and after printouts?	/			
XV. Overall assessment of data				
Overall assessment of data was found to be acceptable.	/			

TARGET ANALYTE LIST

METHOD: VOA

A. Chloromethane	AA. Tetrachloroethene	AAA. 1,3,5-Trimethylbenzene	AAAA. Ethyl tert-butyl ether	A1. 1,3-Butadiene	A2. 1,2,4,5-Tetramethylbenzene
B. Bromomethane	BB. 1,1,2,2-Tetrachloroethane	BBB. 4-Chlorotoluene	BBBB. tert-Amyl methyl ether	B1. Hexane	B2. n-Octane
C. Vinyl chloride	CC. Toluene	CCC. tert-Butylbenzene	CCCC. 1-Chlorohexane	C1. Heptane	C2. n-Propyl alcohol
D. Chloroethane	DD. Chlorobenzene	DDD. 1,2,4-Trimethylbenzene	DDDD. Isopropyl alcohol	D1. Propylene	D2. n-Pentane
E. Methylene chloride	EE. Ethylbenzene	EEE. sec-Butylbenzene	EEEE. Acetonitrile	E1. Freon 11	E2. n-Decane
F. Acetone	FF. Styrene	FFF. 1,3-Dichlorobenzene	FFFF. Acrolein	F1. Freon 12	F2. Chlorodifluoromethane
G. Carbon disulfide	GG. Xylenes, total	GGG. p-Isopropyltoluene	GGGG. Acrylonitrile	G1. Freon 113	G2. cis-Decahydronaphthalene
H. 1,1-Dichloroethene	HH. Vinyl acetate	HHH. 1,4-Dichlorobenzene	HHHH. 1,4-Dioxane	H1. Freon 114	H2. trans-Decahydronaphthalene
I. 1,1-Dichloroethane	II. 2-Chloroethylvinyl ether	III. n-Butylbenzene	IIII. Isobutyl alcohol	I1. 2-Nitropropane	I2. n-Nonane
J. 1,2-Dichloroethene, total	JJ. Dichlorodifluoromethane	JJJ. 1,2-Dichlorobenzene	JJJJ. Methacrylonitrile	J1. Dimethyl disulfide	J2. n-Undecane
K. Chloroform	KK. Trichlorofluoromethane	KKK. 1,2,4-Trichlorobenzene	KKKK. Propionitrile	K1. 2,3-Dimethyl pentane	K2. Chloroprene
L. 1,2-Dichloroethane	LL. Methyl-tert-butyl ether	LLL. Hexachlorobutadiene	LLLL. Ethyl ether	L1. 2,4-Dimethyl pentane	L2. n-Butanol
M. 2-Butanone	MM. 1,2-Dibromo-3-chloropropane	MMM. Naphthalene	MMMM. Benzyl chloride	M1. 3,3-Dimethyl pentane	M2. n-Butyl acetate
N. 1,1,1-Trichloroethane	NN. Methyl ethyl ketone	NNN. 1,2,3-Trichlorobenzene	NNNN. Iodomethane	N1. 2-Methylpentane	N2. Nitrobenzene
O. Carbon tetrachloride	OO. 2,2-Dichloropropane	OOO. 1,3,5-Trichlorobenzene	OOOO. 1,1-Difluoroethane	O1. 3-Methylpentane	O2.
P. Bromodichloromethane	PP. Bromochloromethane	PPP. trans-1,2-Dichloroethene	PPPP. Tetrahydrofuran	P1. 3-Ethylpentane	P2.
Q. 1,2-Dichloropropane	QQ. 1,1-Dichloropropene	QQQ. cis-1,2-Dichloroethene	QQQQ. Methyl acetate	Q1. 2,2-Dimethylpentane	Q2.
R. cis-1,3-Dichloropropene	RR. Dibromomethane	RRR. m,p-Xylenes	RRRR. Ethyl acetate	R1. 2,2,3- Trimethylbutane	R2.
S. Trichloroethene	SS. 1,3-Dichloropropane	SSS. o-Xylene	SSSS. Cyclohexane	S1. 2,2,4-Trimethylpentane	S2.
T. Dibromochloromethane	TT. 1,2-Dibromoethane	TTT. 1,1,2-Trichloro-1,2,2-trifluoroethane	TTTT. Methylcyclohexane	T1. 2-Methylhexane	T2.
U. 1,1,2-Trichloroethane	UU. 1,1,1,2-Tetrachloroethane	UUU. 1,2-Dichlorotetrafluoroethane	UUUU. Allyl chloride	U1. Nonanal	U2.
V. Benzene	VV. Isopropylbenzene	VVV. 4-Ethyltoluene	VVVV. Methyl methacrylate	V1. 2-Methylnaphthalene	V2.
W. trans-1,3-Dichloropropene	WW. Bromobenzene	WWW. Ethanol	WWWW. Ethyl methacrylate	W1. Methanol	W2.
X. Bromoform	XX. 1,2,3-Trichloropropane	XXX. Di-isopropyl ether	XXXX. cis-1,4-Dichloro-2-butene	X1. 1,2,3-Trimethylbenzene	X2.
Y. 4-Methyl-2-pentanone	YY. n-Propylbenzene	YYY. tert-Butanol	YYYY. trans-1,4-Dichloro-2-butene	Y1. 2-Propanol	Y2.
Z. 2-Hexanone	ZZ. 2-Chlorotoluene	ZZZ. tert-Butyl alcohol	ZZZZ. Pentachloroethane	Z1. p-Diethylbenzene	Z2.

**Validation Findings Worksheet
Initial Calibration Calculation Verification**

Method: GC/MS VOCs

Date	Instrument	Compound	Level	(Y) Response	(X) Conc.	(X ²) Conc.
8/28/2024	Z	Carbon Tetrachloride	1	0.0183407	0.020	0.0004
			2	0.0700694	0.100	0.0100
			3	0.2775147	0.400	0.1600
			4	0.6222247	1.000	1.0000
			5	1.1087181	2.000	4.0000
			6	1.636802	3.000	9.0000
			7	2.011786	4.000	16.0000

Regression Output

			Reported
Constant	c =	0.0000	0
Std Err of Y Est			
R Squared		0.9996634	0.9992
Degrees of Freedom			
	B =	A =	B =
X Coefficient(s)	6.42047E-01	-3.4530E-02	0.66516
Std Err of Coef.			A =
			-0.0415
Correlation Coefficient		0.999832	
Coefficient of Determination (r ²)	r ²	0.999663	1

VALIDATION FINDINGS WORKSHEET
Continuing Calibration Results Verification

METHOD: GC/MS VOA (EPA SW 846 Method 8260B_SIM)

The percent difference (%D) of the initial calibration average Relative Response Factors (RRFs) and the continuing calibration RRFs were recalculated for the compounds identified below using the following calculation:

% Difference = $100 * (\text{ave. RRF} - \text{RRF}) / \text{ave. RRF}$
 $\text{RRF} = (A_x)(C_{is}) / (A_{is})(C_x)$

Where: ave. RRF = initial calibration average RRF
 RRF = continuing calibration RRF
 A_x = Area of compound, A_{is} = Area of associated internal standard
 C_x = Concentration of compound, C_{is} = Concentration of internal standard

#	Standard ID	Calibration Date	Compound (Reference internal Standard)	Average RRF (initial)	Reported RRF (CC)	Recalculated RRF (CC)	Reported %D	Recalculated %D
1	276725	9/14/24	0 (1st internal standard)	10.000	10.263	10.263	2.6	2.6
			(2nd internal standard)					
			(3rd internal standard)					
			(4th internal standard)					
2			(1st internal standard)					
			(2nd internal standard)					
			(3rd internal standard)					
			(4th internal standard)					
3			(1st internal standard)					
			(2nd internal standard)					
			(3rd internal standard)					
			(4th internal standard)					
4			(1st internal standard)					
			(2nd internal standard)					
			(3rd internal standard)					
			(4th internal standard)					

Comments: Refer to Continuing Calibration findings worksheet for list of qualifications and associated samples when reported results do not agree within 10.0% of the recalculated results.

VALIDATION FINDINGS WORKSHEET
Surrogate Results Verification

METHOD: GC/MS VOA (EPA SW 846 Method 8260B-SIM)

The percent recoveries (%R) of surrogates were recalculated for the compounds identified below using the following calculation:

% Recovery: $SF/SS * 100$

Where: SF = Surrogate Found
 SS = Surrogate Spiked

Sample ID: 1

	Surrogate Spiked	Surrogate Found	Percent Recovery Reported	Percent Recovery Recalculated	Percent Difference
Dibromofluoromethane					
1,2-Dichloroethane-d4	5.00	3.68	114	114	
Toluene-d8	V	4.69	94	94	
Bromofluorobenzene					

Sample ID:

	Surrogate Spiked	Surrogate Found	Percent Recovery Reported	Percent Recovery Recalculated	Percent Difference
Dibromofluoromethane					
1,2-Dichloroethane-d4					
Toluene-d8					
Bromofluorobenzene					

Sample ID:

	Surrogate Spiked	Surrogate Found	Percent Recovery Reported	Percent Recovery Recalculated	Percent Difference
Dibromofluoromethane					
1,2-Dichloroethane-d4					
Toluene-d8					
Bromofluorobenzene					

Sample ID:

	Surrogate Spiked	Surrogate Found	Percent Recovery Reported	Percent Recovery Recalculated	Percent Difference
Dibromofluoromethane					
1,2-Dichloroethane-d4					
Toluene-d8					
Bromofluorobenzene					

Sample ID:

	Surrogate Spiked	Surrogate Found	Percent Recovery Reported	Percent Recovery Recalculated	Percent Difference
Dibromofluoromethane					
1,2-Dichloroethane-d4					
Toluene-d8					
Bromofluorobenzene					

LDC #: 59716516

VALIDATION FINDINGS WORKSHEET Laboratory Control Sample Results Verification

Page: / of /
Reviewer:

METHOD: GC/MS VOA (EPA SW 846 Method 8260B-SIM)

The percent recoveries (%R) and Relative Percent Difference (RPD) of the laboratory control sample and laboratory control sample duplicate (if applicable) were recalculated for the compounds identified below using the following calculation:

% Recovery = 100 * SSC/SA

Where: SSC = Spiked sample concentration
SA = Spike added

RPD = | LCSC - LCSDC | * 2 / (LCSC + LCSDC)

LCSC = Laboratory control sample concentration LCSDC = Laboratory control sample duplicate concentration

LCS ID: 123089-B3

Compound	Spike Added		Spiked Sample Concentration		LCS		LCSD		LCS/LCSD	
	(NA)		(NA)		Percent Recovery		Percent Recovery		RPD	
	LCS	LCSD	LCS	LCSD	Reported	Recalc.	Reported	Recalc.	Reported	Recalculated
0	5	NA	5.1	NA	102	102				

Comments: Refer to Laboratory Control Sample findings worksheet for list of qualifications and associated samples when reported results do not agree within 10.0% of the recalculated results.

Quality Control Outlier Reports

FC18340

Field Duplicate RPD Report

Lab Reporting Batch ID: FC18340

Laboratory: ACTO

EDD Filename: FC18340ACTO

eQAPP Name: FtOrd_UFP_QAPP_Rev9_3

Method: SW846 8260D BY SIM

Matrix: AQ

Analyte	Concentration (ug/L)		Sample RPD	eQAPP RPD	Flag
	2434WOU2146F	2434WOU2176D			
CARBON TETRACHLORIDE	0.92	1.2	26	30.00	No Qualifiers Applied

Reporting Limit Outliers

Lab Reporting Batch ID: FC18340

Laboratory: ACTO

EDD Filename: FC18340ACTO

eQAPP Name: FtOrd_UFP_QAPP_Rev9_3

Method: SW846 8260D BY SIM

Matrix: AQ

<i>SampleID</i>	<i>Analyte</i>	<i>Lab Qual</i>	<i>Result</i>	<i>Reporting Limit</i>	<i>RL Type</i>	<i>Units</i>	<i>Flag</i>
2434WOU2144F	CARBON TETRACHLORIDE	J	0.16	0.50	LOQ	ug/L	J (all detects)

LDC #: 59716C1b

VALIDATION COMPLETENESS WORKSHEET

Date: 9/1/24

SDG #: FC18340

ADR/Stage 4

Page: 1 of 1

Laboratory: SGS North America, Inc., Orlando, FL

Reviewer: [Signature]

2nd Reviewer: [Signature]

METHOD: GC/MS Volatiles (EPA SW-846 Method 8260D-SIM)

The samples listed below were reviewed for each of the following validation areas. Validation findings are noted in attached validation findings worksheets.

	Validation Area		Comments
I.	Sample receipt/Technical holding times	A	
II.	GC/MS Instrument performance check	A	
III.	Initial calibration/ICV	A, A	$RSD \leq 15\%$, r^2 $\sqrt{R^2} \leq 20\%$
IV.	Continuing calibration / <i>Revalid</i>	A	$\delta \leq 20/50\%$
V.	Laboratory Blanks	A	
VI.	Field blanks	ND	FB = 1 FB = A
VII.	Surrogate spikes	A	
VIII.	Matrix spike/Matrix spike duplicates	N	CS
IX.	Laboratory control samples	A	LC =
X.	Field duplicates	W	$\delta = T + B - ADR$
XI.	Internal standards	A	
XII.	Target analyte quantitation	A	Not reviewed for ADR validation
XIII.	Target analyte identification	A	Not reviewed for ADR validation
XIV.	Overall assessment of data	A	

Note: A = Acceptable
N = Not provided/applicable
SW = See worksheet

ND = No compounds detected
R = Rinsate
FB = Field blank

D = Duplicate
TB = Trip blank
EB = Equipment blank

SB=Source blank
OTHER:

** Indicates sample underwent Stage 4 validation

	Client ID	Lab ID	Matrix	Date
1	2434W0BW220A	FC18340-1	Water	08/21/24
2	2434W0BW164F	FC18340-2	Water	08/21/24
3	2434W0BW163F	FC18340-3	Water	08/21/24
4	2434W0BW203C	FC18340-4	Water	08/21/24
5	2434W0BW161F	FC18340-5	Water	08/21/24
6	2434WOU2144F**	FC18340-6**	Water	08/21/24
7	2434WOU2146F	FC18340-7	Water	08/21/24
8	2434WOU2176D	FC18340-8	Water	08/21/24
9	2434W0BW169F	FC18340-9	Water	08/21/24
10				

Notes:

<i>123086</i>				

Method: Volatiles (EPA SW 846 Method 8260B-SIM)

Validation Area	Yes	No	NA	Findings/Comments
I. Technical holding times				
Were all technical holding times met?	/			
Was cooler temperature criteria met?	/			
II. GC/MS Instrument performance check (Not required)				
Were the BFB performance results reviewed and found to be within the specified criteria?	/			
Were all samples analyzed within the 12 hour clock criteria?	/			
IIIa. Initial calibration				
Did the laboratory perform a 5 point calibration prior to sample analysis?	/			
Were all percent relative standard deviations (%RSD) \leq 15% and relative response factors (RRF) $>$ 0.05??	/			
Was a curve fit used for evaluation? If yes, did the initial calibration meet the curve fit acceptance criteria of $>$ 0.990?	/			
IIIb. Initial Calibration Verification				
Was an initial calibration verification standard analyzed after each initial calibration for each instrument?	/			
Were all percent difference (%D) \leq 20% or percent recoveries (%R) 80-120%?	/			
IV. Continuing calibration				
Was a continuing calibration standard analyzed at least once every 12 hours for each instrument?	/			
Were all percent differences (%D) $<$ 20% and relative response factors (RRF) $>$ 0.05?	/			
V. Laboratory Blanks				
Was a laboratory blank associated with every sample in this SDG?	/			
Was a laboratory blank analyzed at least once every 12 hours for each matrix and concentration?	/			
Was there contamination in the laboratory blanks? If yes, please see the Blanks validation findings worksheet.		/		
VI. Field blanks				
Were field blanks identified in this SDG?	/			
Were target analytes detected in the field blanks?		/		
VII. Surrogate spikes				
Were all surrogate percent recovery (%R) within QC limits?	/			
If the percent recovery (%R) for one or more surrogates was out of QC limits, was a reanalysis performed to confirm samples with %R outside of criteria?			/	
VIII. Matrix spike/Matrix spike duplicates				
Were matrix spike (MS) and matrix spike duplicate (MSD) analyzed in this SDG?		/		
Were the MS/MSD percent recoveries (%R) and the relative percent differences (RPD) within the QC limits?			/	

Validation Area	Yes	No	NA	Findings/Comments
IX. Laboratory control samples				
Was an LCS analyzed per analytical batch?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Were the LCS percent recoveries (%R) and relative percent difference (RPD) within the QC limits?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
X. Field duplicates				
Were field duplicate pairs identified in this SDG?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Were target analytes detected in the field duplicates?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
XI. Internal standards				
Were internal standard area counts within -50% or +100% of the associated calibration standard?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Were retention times within + 30 seconds of the associated calibration standard?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
XII. Target analyte quantitation				
Did the laboratory LOQs/RLs meet the QAPP LOQs/RLs?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Were the correct internal standard (IS), quantitation ion and relative response factor (RRF) used to quantitate the target analyte?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Were target analyte quantitation and RLs adjusted to reflect all sample dilutions and dry weight factors applicable to level IV validation?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Were manual integrations reviewed and found acceptable?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Did the laboratory provide before and after integration printouts?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
XIII. Target analyte identification				
Were relative retention times (RRT's) within + 0.06 RRT units of the standard?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Did analyte spectra meet specified EPA "Functional Guidelines" criteria?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Were chromatogram peaks verified and accounted for?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Were manual integrations performed and found acceptable?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Did the lab provide before and after printouts?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
XV. Overall assessment of data				
Overall assessment of data was found to be acceptable.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

TARGET ANALYTE LIST

METHOD: VOA

A. Chloromethane	AA. Tetrachloroethene	AAA. 1,3,5-Trimethylbenzene	AAAA. Ethyl tert-butyl ether	A1. 1,3-Butadiene	A2. 1,2,4,5-Tetramethylbenzene
B. Bromomethane	BB. 1,1,2,2-Tetrachloroethane	BBB. 4-Chlorotoluene	BBBB. tert-Amyl methyl ether	B1. Hexane	B2. n-Octane
C. Vinyl chloride	CC. Toluene	CCC. tert-Butylbenzene	CCCC. 1-Chlorohexane	C1. Heptane	C2. n-Propyl alcohol
D. Chloroethane	DD. Chlorobenzene	DDD. 1,2,4-Trimethylbenzene	DDDD. Isopropyl alcohol	D1. Propylene	D2. n-Pentane
E. Methylene chloride	EE. Ethylbenzene	EEE. sec-Butylbenzene	EEEE. Acetonitrile	E1. Freon 11	E2. n-Decane
F. Acetone	FF. Styrene	FFF. 1,3-Dichlorobenzene	FFFF. Acrolein	F1. Freon 12	F2. Chlorodifluoromethane
G. Carbon disulfide	GG. Xylenes, total	GGG. p-Isopropyltoluene	GGGG. Acrylonitrile	G1. Freon 113	G2. cis-Decahydronaphthalene
H. 1,1-Dichloroethene	HH. Vinyl acetate	HHH. 1,4-Dichlorobenzene	HHHH. 1,4-Dioxane	H1. Freon 114	H2. trans-Decahydronaphthalene
I. 1,1-Dichloroethane	II. 2-Chloroethylvinyl ether	III. n-Butylbenzene	IIII. Isobutyl alcohol	I1. 2-Nitropropane	I2. n-Nonane
J. 1,2-Dichloroethene, total	JJ. Dichlorodifluoromethane	JJJ. 1,2-Dichlorobenzene	JJJJ. Methacrylonitrile	J1. Dimethyl disulfide	J2. n-Undecane
K. Chloroform	KK. Trichlorofluoromethane	KKK. 1,2,4-Trichlorobenzene	KKKK. Propionitrile	K1. 2,3-Dimethyl pentane	K2. Chloroprene
L. 1,2-Dichloroethane	LL. Methyl-tert-butyl ether	LLL. Hexachlorobutadiene	LLLL. Ethyl ether	L1. 2,4-Dimethyl pentane	L2. n-Butanol
M. 2-Butanone	MM. 1,2-Dibromo-3-chloropropane	MMM. Naphthalene	MMMM. Benzyl chloride	M1. 3,3-Dimethyl pentane	M2. n-Butyl acetate
N. 1,1,1-Trichloroethane	NN. Methyl ethyl ketone	NNN. 1,2,3-Trichlorobenzene	NNNN. Iodomethane	N1. 2-Methylpentane	N2. Nitrobenzene
O. Carbon tetrachloride	OO. 2,2-Dichloropropane	OOO. 1,3,5-Trichlorobenzene	OOOO. 1,1-Difluoroethane	O1. 3-Methylpentane	O2.
P. Bromodichloromethane	PP. Bromochloromethane	PPP. trans-1,2-Dichloroethene	PPPP. Tetrahydrofuran	P1. 3-Ethylpentane	P2.
Q. 1,2-Dichloropropane	QQ. 1,1-Dichloropropene	QQQ. cis-1,2-Dichloroethene	QQQQ. Methyl acetate	Q1. 2,2-Dimethylpentane	Q2.
R. cis-1,3-Dichloropropene	RR. Dibromomethane	RRR. m,p-Xylenes	RRRR. Ethyl acetate	R1. 2,2,3-Trimethylbutane	R2.
S. Trichloroethene	SS. 1,3-Dichloropropane	SSS. o-Xylene	SSSS. Cyclohexane	S1. 2,2,4-Trimethylpentane	S2.
T. Dibromochloromethane	TT. 1,2-Dibromoethane	TTT. 1,1,2-Trichloro-1,2,2-trifluoroethane	TTTT. Methylcyclohexane	T1. 2-Methylhexane	T2.
U. 1,1,2-Trichloroethane	UU. 1,1,1,2-Tetrachloroethane	UUU. 1,2-Dichlorotetrafluoroethane	UUUU. Allyl chloride	U1. Nonanal	U2.
V. Benzene	VV. Isopropylbenzene	VVV. 4-Ethyltoluene	VVVV. Methyl methacrylate	V1. 2-Methylnaphthalene	V2.
W. trans-1,3-Dichloropropene	WW. Bromobenzene	WWW. Ethanol	WWWW. Ethyl methacrylate	W1. Methanol	W2.
X. Bromoform	XX. 1,2,3-Trichloropropane	XXX. Di-isopropyl ether	XXXX. cis-1,4-Dichloro-2-butene	X1. 1,2,3-Trimethylbenzene	X2.
Y. 4-Methyl-2-pentanone	YY. n-Propylbenzene	YYY. tert-Butanol	YYYY. trans-1,4-Dichloro-2-butene	Y1. 2-Propanol	Y2.
Z. 2-Hexanone	ZZ. 2-Chlorotoluene	ZZZ. tert-Butyl alcohol	ZZZZ. Pentachloroethane	Z1. p-Diethylbenzene	Z2.

**Validation Findings Worksheet
Initial Calibration Calculation Verification**

Method: GC/MS VOCs

Date	Instrument	Compound	Level	(Y) Response	(X) Conc.	(X ²) Conc.
8/28/2024	Z	Carbon Tetrachloride	1	0.0183407	0.020	0.0004
			2	0.0700694	0.100	0.0100
			3	0.2775147	0.400	0.1600
			4	0.6222247	1.000	1.0000
			5	1.1087181	2.000	4.0000
			6	1.636802	3.000	9.0000
			7	2.011786	4.000	16.0000

Regression Output

			Reported
Constant	c =	0.0000	0
Std Err of Y Est			
R Squared		0.9996634	0.9992
Degrees of Freedom			
	B =	A =	B =
X Coefficient(s)	6.42047E-01	-3.4530E-02	0.66516
Std Err of Coef.			A =
			-0.0415
Correlation Coefficient		0.999832	
Coefficient of Determination (r ²)	r ²	0.999663	1

VALIDATION FINDINGS WORKSHEET Continuing Calibration Results Verification

METHOD: GC/MS VOA (EPA SW 846 Method 8260B_SIM)

The percent difference (%D) of the initial calibration average Relative Response Factors (RRFs) and the continuing calibration RRFs were recalculated for the compounds identified below using the following calculation:

% Difference = $100 * (\text{ave. RRF} - \text{RRF}) / \text{ave. RRF}$
 $\text{RRF} = (A_x)(C_{is}) / (A_{is})(C_x)$

Where: ave. RRF = initial calibration average RRF
 RRF = continuing calibration RRF
 A_x = Area of compound, A_{is} = Area of associated internal standard
 C_x = Concentration of compound, C_{is} = Concentration of internal standard

#	Standard ID	Calibration Date	Compound (Reference internal Standard)	Average RRF (initial)	Reported RRF (CC)	Recalculated RRF (CC)	Reported %D	Recalculated %D
1	276641	8/9/24	0 (1st internal standard)	10.000	9.696	9.696	3.0	3.0
			(2nd internal standard)					
			(3rd internal standard)					
			(4th internal standard)					
2			(1st internal standard)					
			(2nd internal standard)					
			(3rd internal standard)					
			(4th internal standard)					
3			(1st internal standard)					
			(2nd internal standard)					
			(3rd internal standard)					
			(4th internal standard)					
4			(1st internal standard)					
			(2nd internal standard)					
			(3rd internal standard)					
			(4th internal standard)					

Comments: Refer to Continuing Calibration findings worksheet for list of qualifications and associated samples when reported results do not agree within 10.0% of the recalculated results.

VALIDATION FINDINGS WORKSHEET
Surrogate Results Verification

METHOD: GC/MS VOA (EPA SW 846 Method 8260B-SIM)

The percent recoveries (%R) of surrogates were recalculated for the compounds identified below using the following calculation:

% Recovery: $SF/SS * 100$

Where: SF = Surrogate Found
 SS = Surrogate Spiked

Sample ID: 6

	Surrogate Spiked	Surrogate Found	Percent Recovery Reported	Percent Recovery Recalculated	Percent Difference
Dibromofluoromethane					
1,2-Dichloroethane-d4	5.00	5.37	107	107	
Toluene-d8	↓	4.85	97	97	
Bromofluorobenzene					

Sample ID: _____

	Surrogate Spiked	Surrogate Found	Percent Recovery Reported	Percent Recovery Recalculated	Percent Difference
Dibromofluoromethane					
1,2-Dichloroethane-d4					
Toluene-d8					
Bromofluorobenzene					

Sample ID: _____

	Surrogate Spiked	Surrogate Found	Percent Recovery Reported	Percent Recovery Recalculated	Percent Difference
Dibromofluoromethane					
1,2-Dichloroethane-d4					
Toluene-d8					
Bromofluorobenzene					

Sample ID: _____

	Surrogate Spiked	Surrogate Found	Percent Recovery Reported	Percent Recovery Recalculated	Percent Difference
Dibromofluoromethane					
1,2-Dichloroethane-d4					
Toluene-d8					
Bromofluorobenzene					

Sample ID: _____

	Surrogate Spiked	Surrogate Found	Percent Recovery Reported	Percent Recovery Recalculated	Percent Difference
Dibromofluoromethane					
1,2-Dichloroethane-d4					
Toluene-d8					
Bromofluorobenzene					

LDC #: 59716016

VALIDATION FINDINGS WORKSHEET

Laboratory Control Sample Results Verification

Page: 1 of 1
 Reviewer: 9

METHOD: GC/MS VOA (EPA SW 846 Method 8260B-SIM)

The percent recoveries (%R) and Relative Percent Difference (RPD) of the laboratory control sample and laboratory control sample duplicate (if applicable) were recalculated for the compounds identified below using the following calculation:

% Recovery = 100 * SSC/SA

Where: SSC = Spiked sample concentration
 SA = Spike added

RPD = | LCSC - LCSDC | * 2 / (LCSC + LCSDC)

LCSC = Laboratory control sample concentration LCSDC = Laboratory control sample duplicate concentration

LCS ID: 123086-BS

Compound	Spike Added (NA)		Spiked Sample Concentration (NA)		LCS		LCSD		LCS/LCSD	
	LCS	LCSD	LCS	LCSD	Percent Recovery		Percent Recovery		RPD	
					Reported	Recalc.	Reported	Recalc.	Reported	Recalculated
S	5	NA	5.1	NA	102	102				

Comments: Refer to Laboratory Control Sample findings worksheet for list of qualifications and associated samples when reported results do not agree within 10.0% of the recalculated results.

Quality Control Outlier Reports

FC18341

Method Blank Outlier Report

Lab Reporting Batch ID: FC18341

Laboratory: ACTO

EDD Filename: FC18341ACTO

eQAPP Name: FtOrd_UFP_QAPP_Rev9_3

Method: SW846 8260D BY SIM
Matrix: AQ

Method Blank Sample ID	Analysis Date	Analyte	Result	Associated Samples
VN6711-MB	8/29/2024 8:03:00 AM	METHYLENE CHLORIDE	1.8 ug/L	2434X0BW017F 2434X0BW036F 2434X0BW041F 2434X0BW048F 2434X0BW049F 2434X0BW050F 2434X0BW052F 2434X0BW053F 2434X0BW056F 2434X0BW066D

The following samples and their listed target analytes were qualified due to contamination reported in this blank

Sample ID	Analyte	Reported Result	Modified Final Result
2434X0BW017F(1RES)	METHYLENE CHLORIDE	1.3 ug/L	1.3U ug/L
2434X0BW036F(1RES)	METHYLENE CHLORIDE	1.4 ug/L	1.4U ug/L
2434X0BW041F(1RES)	METHYLENE CHLORIDE	1.5 ug/L	1.5U ug/L
2434X0BW048F(1RES)	METHYLENE CHLORIDE	1.5 ug/L	1.5U ug/L
2434X0BW049F(1RES)	METHYLENE CHLORIDE	1.3 ug/L	1.3U ug/L
2434X0BW050F(1RES)	METHYLENE CHLORIDE	1.3 ug/L	1.3U ug/L
2434X0BW052F(1RES)	METHYLENE CHLORIDE	1.5 ug/L	1.5U ug/L
2434X0BW053F(1RES)	METHYLENE CHLORIDE	1.6 ug/L	1.6U ug/L
2434X0BW056F(1RES)	METHYLENE CHLORIDE	1.7 ug/L	1.7U ug/L
2434X0BW066D(1RES)	METHYLENE CHLORIDE	1.3 ug/L	1.3U ug/L

Lab Control Spike/Lab Control Spike Duplicate Outlier Report

Lab Reporting Batch ID: FC18341

Laboratory: ACTO

EDD Filename: FC18341ACTO

eQAPP Name: FtOrd_UFP_QAPP_Rev9_3

Method: SW846 8260D BY SIM
Matrix: AQ

QC Sample ID (Associated Samples)	Compound	LCS %R	LCSD %R	%R Limits	RPD (Limits)	Affected Compounds	Flag
VN6711-BS (2434X0BW017F 2434X0BW036F 2434X0BW041F 2434X0BW048F 2434X0BW049F 2434X0BW050F 2434X0BW052F 2434X0BW053F 2434X0BW056F 2434X0BW066D)	METHYLENE CHLORIDE	186	-	69.00-135.00	-	METHYLENE CHLORIDE	J+ (all detects)

Field Duplicate RPD Report

Lab Reporting Batch ID: FC18341

Laboratory: ACTO

EDD Filename: FC18341ACTO

eQAPP Name: FtOrd_UFP_QAPP_Rev9_3

Method: SW846 8260D BY SIM

Matrix: AQ

Analyte	Concentration (ug/L)		Sample RPD	eQAPP RPD	Flag
	2434X0BW049F	2434X0BW066D			
CARBON TETRACHLORIDE	0.93	0.93	0	30.00	No Qualifiers Applied
CHLOROFORM	0.27	0.28	4	30.00	
METHYLENE CHLORIDE	1.3	1.3	0	30.00	

Reporting Limit Outliers

Lab Reporting Batch ID: FC18341

Laboratory: ACTO

EDD Filename: FC18341ACTO

eQAPP Name: FtOrd_UFP_QAPP_Rev9_3

Method: SW846 8260D BY SIM

Matrix: AQ

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
2434X0BW017F	METHYLENE CHLORIDE	JB	1.3	2.0	LOQ	ug/L	J (all detects)
2434X0BW036F	CHLOROFORM	J	0.15	0.50	LOQ	ug/L	J (all detects)
	METHYLENE CHLORIDE	JB	1.4	2.0	LOQ	ug/L	
2434X0BW041F	CHLOROFORM	J	0.19	0.50	LOQ	ug/L	J (all detects)
	METHYLENE CHLORIDE	JB	1.5	2.0	LOQ	ug/L	
2434X0BW048F	CARBON TETRACHLORIDE	J	0.45	0.50	LOQ	ug/L	J (all detects)
	CHLOROFORM	J	0.18	0.50	LOQ	ug/L	
	METHYLENE CHLORIDE	JB	1.5	2.0	LOQ	ug/L	
2434X0BW049F	CHLOROFORM	J	0.27	0.50	LOQ	ug/L	J (all detects)
	METHYLENE CHLORIDE	JB	1.3	2.0	LOQ	ug/L	
2434X0BW050F	CHLOROFORM	J	0.35	0.50	LOQ	ug/L	J (all detects)
	METHYLENE CHLORIDE	JB	1.3	2.0	LOQ	ug/L	
2434X0BW052F	CARBON TETRACHLORIDE	J	0.41	0.50	LOQ	ug/L	J (all detects)
	CHLOROFORM	J	0.13	0.50	LOQ	ug/L	
	METHYLENE CHLORIDE	JB	1.5	2.0	LOQ	ug/L	
2434X0BW053F	CARBON TETRACHLORIDE	J	0.31	0.50	LOQ	ug/L	J (all detects)
	METHYLENE CHLORIDE	JB	1.6	2.0	LOQ	ug/L	
2434X0BW056F	CARBON TETRACHLORIDE	J	0.25	0.50	LOQ	ug/L	J (all detects)
	METHYLENE CHLORIDE	JB	1.7	2.0	LOQ	ug/L	
2434X0BW066D	CHLOROFORM	J	0.28	0.50	LOQ	ug/L	J (all detects)
	METHYLENE CHLORIDE	JB	1.3	2.0	LOQ	ug/L	

METHOD: GC/MS Volatiles (EPA SW-846 Method 8260D-SIM)

The samples listed below were reviewed for each of the following validation areas. Validation findings are noted in attached validation findings worksheets.

	Validation Area		Comments
I.	Sample receipt/Technical holding times	A	
II.	GC/MS Instrument performance check	A	
III.	Initial calibration/ICV	A/A	RSD = 1570.1 ² RE = 20%
IV.	Continuing calibration / 2nd sig	W	b = 20/50%
V.	Laboratory Blanks	W	z = lots
VI.	Field blanks	N	
VII.	Surrogate spikes	A	
VIII.	Matrix spike/Matrix spike duplicates	N	CS
IX.	Laboratory control samples	W	LES z = lots
X.	Field duplicates	W	b = T + B - ADR
XI.	Internal standards	A	
XII.	Target analyte quantitation	A	Reviewed for Stage 4 validation.
XIII.	Target analyte identification	A	Reviewed for Stage 4 validation. M/
XIV.	Overall assessment of data	A	

Note: A = Acceptable ND = No compounds detected D = Duplicate SB = Source blank
 N = Not provided/applicable R = Rinsate TB = Trip blank OTHER:
 SW = See worksheet FB = Field blank EB = Equipment blank

** Indicates sample underwent Stage 4 validation

	Client ID	Lab ID	Matrix	Date
1	2434X0BW048F**	FC18341-1**	Water	08/21/24
2	2434X0BW041F**	FC18341-2**	Water	08/21/24
3	2434X0BW053F**	FC18341-3**	Water	08/21/24
4	2434X0BW056F**	FC18341-4**	Water	08/21/24
5	2434X0BW052F**	FC18341-5**	Water	08/21/24
6	2434X0BW036F**	FC18341-6**	Water	08/21/24
7	2434X0BW049F**	FC18341-7**	Water	08/21/24
8	2434X0BW066D	FC18341-8	Water	08/21/24
9	2434X0BW050F	FC18341-9	Water	08/21/24
10	2434X0BW017F	FC18341-10	Water	08/21/24
11				

Notes:

1	156711				

Method: Volatiles (EPA SW 846 Method 8260B-SIM)

Validation Area	Yes	No	NA	Findings/Comments
I. Technical holding times				
Were all technical holding times met?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Was cooler temperature criteria met?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
II. GC/MS Instrument performance check (Not required)				
Were the BFB performance results reviewed and found to be within the specified criteria?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Were all samples analyzed within the 12 hour clock criteria?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
IIIa. Initial calibration				
Did the laboratory perform a 5 point calibration prior to sample analysis?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Were all percent relative standard deviations (%RSD) ≤ 15% and relative response factors (RRF) ≥ 0.05??	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Was a curve fit used for evaluation? If yes, did the initial calibration meet the curve fit acceptance criteria of ≥ 0.990?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
IIIb. Initial Calibration Verification				
Was an initial calibration verification standard analyzed after each initial calibration for each instrument?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Were all percent difference (%D) ≤ 20% or percent recoveries (%R) 80-120%?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
IV. Continuing calibration				
Was a continuing calibration standard analyzed at least once every 12 hours for each instrument?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Were all percent differences (%D) ≤ 20% and relative response factors (RRF) ≥ 0.05?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
V. Laboratory Blanks				
Was a laboratory blank associated with every sample in this SDG?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Was a laboratory blank analyzed at least once every 12 hours for each matrix and concentration?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Was there contamination in the laboratory blanks? If yes, please see the Blanks validation findings worksheet.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
VI. Field blanks				
Were field blanks identified in this SDG?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Were target analytes detected in the field blanks?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
VII. Surrogate spikes				
Were all surrogate percent recovery (%R) within QC limits?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
If the percent recovery (%R) for one or more surrogates was out of QC limits, was a reanalysis performed to confirm samples with %R outside of criteria?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
VIII. Matrix spike/Matrix spike duplicates				
Were matrix spike (MS) and matrix spike duplicate (MSD) analyzed in this SDG?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Were the MS/MSD percent recoveries (%R) and the relative percent differences (RPD) within the QC limits?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	

Validation Area	Yes	No	NA	Findings/Comments
IX. Laboratory control samples				
Was an LCS analyzed per analytical batch?	/			
Were the LCS percent recoveries (%R) and relative percent difference (RPD) within the QC limits?		/		
X. Field duplicates				
Were field duplicate pairs identified in this SDG?	/			
Were target analytes detected in the field duplicates?	/			
XI. Internal standards				
Were internal standard area counts within -50% or +100% of the associated calibration standard?	/			
Were retention times within + 30 seconds of the associated calibration standard?	/			
XII. Target analyte quantitation				
Did the laboratory LOQs/RLs meet the QAPP LOQs/RLs?	/			
Were the correct internal standard (IS), quantitation ion and relative response factor (RRF) used to quantitate the target analyte?	/			
Were target analyte quantitation and RLs adjusted to reflect all sample dilutions and dry weight factors applicable to level IV validation?	/			
Were manual integrations reviewed and found acceptable?	/			
Did the laboratory provide before and after integration printouts?	/			
XIII. Target analyte identification				
Were relative retention times (RRT's) within + 0.06 RRT units of the standard?	/			
Did analyte spectra meet specified EPA "Functional Guidelines" criteria?	/			
Were chromatogram peaks verified and accounted for?	/			
Were manual integrations performed and found acceptable?	/			
Did the lab provide before and after printouts?	/			
XV. Overall assessment of data				
Overall assessment of data was found to be acceptable.	/			

TARGET ANALYTE LIST

METHOD: VOA

A. Chloromethane	AA. Tetrachloroethene	AAA. 1,3,5-Trimethylbenzene	AAAA. Ethyl tert-butyl ether	A1. 1,3-Butadiene	A2. 1,2,4,5-Tetramethylbenzene
B. Bromomethane	BB. 1,1,2,2-Tetrachloroethane	BBB. 4-Chlorotoluene	BBBB. tert-Amyl methyl ether	B1. Hexane	B2. n-Octane
C. Vinyl chloride	CC. Toluene	CCC. tert-Butylbenzene	CCCC. 1-Chlorohexane	C1. Heptane	C2. n-Propyl alcohol
D. Chloroethane	DD. Chlorobenzene	DDD. 1,2,4-Trimethylbenzene	DDDD. Isopropyl alcohol	D1. Propylene	D2. n-Pentane
E. Methylene chloride	EE. Ethylbenzene	EEE. sec-Butylbenzene	EEEE. Acetonitrile	E1. Freon 11	E2. n-Decane
F. Acetone	FF. Styrene	FFF. 1,3-Dichlorobenzene	FFFF. Acrolein	F1. Freon 12	F2. Chlorodifluoromethane
G. Carbon disulfide	GG. Xylenes, total	GGG. p-Isopropyltoluene	GGGG. Acrylonitrile	G1. Freon 113	G2. cis-Decahydronaphthalene
H. 1,1-Dichloroethene	HH. Vinyl acetate	HHH. 1,4-Dichlorobenzene	HHHH. 1,4-Dioxane	H1. Freon 114	H2. trans-Decahydronaphthalene
I. 1,1-Dichloroethane	II. 2-Chloroethylvinyl ether	III. n-Butylbenzene	IIII. Isobutyl alcohol	I1. 2-Nitropropane	I2. n-Nonane
J. 1,2-Dichloroethene, total	JJ. Dichlorodifluoromethane	JJJ. 1,2-Dichlorobenzene	JJJJ. Methacrylonitrile	J1. Dimethyl disulfide	J2. n-Undecane
K. Chloroform	KK. Trichlorofluoromethane	KKK. 1,2,4-Trichlorobenzene	KKKK. Propionitrile	K1. 2,3-Dimethyl pentane	K2. Chloroprene
L. 1,2-Dichloroethane	LL. Methyl-tert-butyl ether	LLL. Hexachlorobutadiene	LLLL. Ethyl ether	L1. 2,4-Dimethyl pentane	L2. n-Butanol
M. 2-Butanone	MM. 1,2-Dibromo-3-chloropropane	MMM. Naphthalene	MMMM. Benzyl chloride	M1. 3,3-Dimethyl pentane	M2. n-Butyl acetate
N. 1,1,1-Trichloroethane	NN. Methyl ethyl ketone	NNN. 1,2,3-Trichlorobenzene	NNNN. Iodomethane	N1. 2-Methylpentane	N2. Nitrobenzene
O. Carbon tetrachloride	OO. 2,2-Dichloropropane	OOO. 1,3,5-Trichlorobenzene	OOOO. 1,1-Difluoroethane	O1. 3-Methylpentane	O2.
P. Bromodichloromethane	PP. Bromochloromethane	PPP. trans-1,2-Dichloroethene	PPPP. Tetrahydrofuran	P1. 3-Ethylpentane	P2.
Q. 1,2-Dichloropropane	QQ. 1,1-Dichloropropene	QQQ. cis-1,2-Dichloroethene	QQQQ. Methyl acetate	Q1. 2,2-Dimethylpentane	Q2.
R. cis-1,3-Dichloropropene	RR. Dibromomethane	RRR. m,p-Xylenes	RRRR. Ethyl acetate	R1. 2,2,3-Trimethylbutane	R2.
S. Trichloroethene	SS. 1,3-Dichloropropane	SSS. o-Xylene	SSSS. Cyclohexane	S1. 2,2,4-Trimethylpentane	S2.
T. Dibromochloromethane	TT. 1,2-Dibromoethane	TTT. 1,1,2-Trichloro-1,2,2-trifluoroethane	TTTT. Methylcyclohexane	T1. 2-Methylhexane	T2.
U. 1,1,2-Trichloroethane	UU. 1,1,1,2-Tetrachloroethane	UUU. 1,2-Dichlorotetrafluoroethane	UUUU. Allyl chloride	U1. Nonanal	U2.
V. Benzene	VV. Isopropylbenzene	VVV. 4-Ethyltoluene	VVVV. Methyl methacrylate	V1. 2-Methylnaphthalene	V2.
W. trans-1,3-Dichloropropene	WW. Bromobenzene	WWW. Ethanol	WWWW. Ethyl methacrylate	W1. Methanol	W2.
X. Bromoform	XX. 1,2,3-Trichloropropane	XXX. Di-isopropyl ether	XXXX. cis-1,4-Dichloro-2-butene	X1. 1,2,3-Trimethylbenzene	X2.
Y. 4-Methyl-2-pentanone	YY. n-Propylbenzene	YYY. tert-Butanol	YYYY. trans-1,4-Dichloro-2-butene	Y1. 2-Propanol	Y2.
Z. 2-Hexanone	ZZ. 2-Chlorotoluene	ZZZ. tert-Butyl alcohol	ZZZZ. Pentachloroethane	Z1. p-Diethylbenzene	Z2.

VALIDATION FINDINGS WORKSHEET Initial Calibration Calculation Verification

METHOD: GC/MS VOA (EPA SW 846 Method 8260B-SIM)

The Relative Response Factor (RRF), average RRF, and percent relative standard deviation (%RSD) were recalculated for the compounds identified below using the following calculations:

$$RRF = (A_x)(C_{is}) / (A_{is})(C_x)$$

average RRF = sum of the RRFs/number of standards

$$\%RSD = 100 * (S/X)$$

A_x = Area of compound,

C_x = Concentration of compound,

S = Standard deviation of the RRFs

X = Mean of the RRFs

A_{is} = Area of associated internal standard

C_{is} = Concentration of internal standard

#	Standard ID	Calibration Date	Compound (Reference Internal Standard)	Reported	Recalculated	Reported	Recalculated	Reported	Recalculated
				RRF (10 std)	RRF (10 std)	Average RRF (initial)	Average RRF (initial)	%RSD	%RSD
1	1CAZ	8/20/24	0 (1st internal standard)	0.070	0.070	0.075	0.075	12.09	12.09
			AA (2nd internal standard)	0.109	0.109	0.113	0.113	12.56	12.56
			(3rd internal standard)						
			(4th internal standard)						
2			(1st internal standard)						
			(2nd internal standard)						
			(3rd internal standard)						
			(4th internal standard)						
3			(1st internal standard)						
			(2nd internal standard)						
			(3rd internal standard)						
			(4th internal standard)						
4			(1st internal standard)						
			(2nd internal standard)						
			(3rd internal standard)						
			(4th internal standard)						

Comments: Refer to Initial Calibration findings worksheet for list of qualifications and associated samples when reported results do not agree within 10.0% of the recalculated results.

VALIDATION FINDINGS WORKSHEET
Continuing Calibration Results Verification

METHOD: GC/MS VOA (EPA SW 846 Method 8260B_SIM)

The percent difference (%D) of the initial calibration average Relative Response Factors (RRFs) and the continuing calibration RRFs were recalculated for the compounds identified below using the following calculation:

% Difference = $100 * (\text{ave. RRF} - \text{RRF}) / \text{ave. RRF}$
 $\text{RRF} = (A_x)(C_{is}) / (A_{is})(C_x)$

Where: ave. RRF = initial calibration average RRF
 RRF = continuing calibration RRF
 A_x = Area of compound, A_{is} = Area of associated internal standard
 C_x = Concentration of compound, C_{is} = Concentration of internal standard

#	Standard ID	Calibration Date	Compound (Reference internal Standard)	Average RRF (initial)	Reported RRF (CC)	Recalculated RRF (CC)	Reported %D	Recalculated %D
1	N013-34	8/9/04	0 (1st internal standard)	0.075	0.063	0.063	16.2	15.8
			AA (2nd internal standard)	0.113	0.114	0.114	0.9	0.7
			(3rd internal standard)					
			(4th internal standard)					
2			(1st internal standard)					
			(2nd internal standard)					
			(3rd internal standard)					
			(4th internal standard)					
3			(1st internal standard)					
			(2nd internal standard)					
			(3rd internal standard)					
			(4th internal standard)					
4			(1st internal standard)					
			(2nd internal standard)					
			(3rd internal standard)					
			(4th internal standard)					

Comments: Refer to Continuing Calibration findings worksheet for list of qualifications and associated samples when reported results do not agree within 10.0% of the recalculated results.

VALIDATION FINDINGS WORKSHEET
Surrogate Results Verification

METHOD: GC/MS VOA (EPA SW 846 Method 8260B-SIM)

The percent recoveries (%R) of surrogates were recalculated for the compounds identified below using the following calculation:

% Recovery: $SF/SS * 100$

Where: SF = Surrogate Found
 SS = Surrogate Spiked

Sample ID: 1

	Surrogate Spiked	Surrogate Found	Percent Recovery Reported	Percent Recovery Recalculated	Percent Difference
Dibromofluoromethane					
1,2-Dichloroethane-d4	5.00	5.61	112	112	
Toluene-d8	↓	5.16	103	103	
Bromofluorobenzene					

Sample ID: _____

	Surrogate Spiked	Surrogate Found	Percent Recovery Reported	Percent Recovery Recalculated	Percent Difference
Dibromofluoromethane					
1,2-Dichloroethane-d4					
Toluene-d8					
Bromofluorobenzene					

Sample ID: _____

	Surrogate Spiked	Surrogate Found	Percent Recovery Reported	Percent Recovery Recalculated	Percent Difference
Dibromofluoromethane					
1,2-Dichloroethane-d4					
Toluene-d8					
Bromofluorobenzene					

Sample ID: _____

	Surrogate Spiked	Surrogate Found	Percent Recovery Reported	Percent Recovery Recalculated	Percent Difference
Dibromofluoromethane					
1,2-Dichloroethane-d4					
Toluene-d8					
Bromofluorobenzene					

Sample ID: _____

	Surrogate Spiked	Surrogate Found	Percent Recovery Reported	Percent Recovery Recalculated	Percent Difference
Dibromofluoromethane					
1,2-Dichloroethane-d4					
Toluene-d8					
Bromofluorobenzene					

LDC #: 3916A/B

VALIDATION FINDINGS WORKSHEET

Laboratory Control Sample Results Verification

Page: 1 of 1
 Reviewer: 9

METHOD: GC/MS VOA (EPA SW 846 Method 8260B-SIM)

The percent recoveries (%R) and Relative Percent Difference (RPD) of the laboratory control sample and laboratory control sample duplicate (if applicable) were recalculated for the compounds identified below using the following calculation:

% Recovery = 100 * SSC/SA

Where: SSC = Spiked sample concentration
 SA = Spike added

RPD = | LCSC - LCSDC | * 2 / (LCSC + LCSDC)

LCSC = Laboratory control sample concentration LCSDC = Laboratory control sample duplicate concentration

LCS ID: VN6711-BS

Compound	Spike Added		Spiked Sample Concentration		LCS		LCSD		LCS/LCSD	
	LCS	LCSD	LCS	LCSD	Percent Recovery		Percent Recovery		RPD	
					Reported	Recalc.	Reported	Recalc.	Reported	Recalculated
H	5	NA	4.9	NA	98	98				
S	↓	↓	5.2	✓	104	104				

Comments: Refer to Laboratory Control Sample findings worksheet for list of qualifications and associated samples when reported results do not agree within 10.0% of the recalculated results.

Quality Control Outlier Reports

FC18342

Reporting Limit Outliers

Lab Reporting Batch ID: FC18342

Laboratory: ACTO

EDD Filename: FC18342ACTO

eQAPP Name: FtOrd_UFP_QAPP_Rev9_3

Method: SW846 8260D BY SIM

Matrix: AQ

<i>SampleID</i>	<i>Analyte</i>	<i>Lab Qual</i>	<i>Result</i>	<i>Reporting Limit</i>	<i>RL Type</i>	<i>Units</i>	<i>Flag</i>
2434X0BW023F	CARBON TETRACHLORIDE	J	0.27	0.50	LOQ	ug/L	J (all detects)

LDC #: 59716E1b

VALIDATION COMPLETENESS WORKSHEET

Date: 9/17/24

SDG #: FC18342

ADR

Page: 1 of 1

Laboratory: SGS North America, Inc., Orlando, FL

Reviewer: [Signature]

2nd Reviewer: [Signature]

METHOD: GC/MS Carbon Tetrachloride (EPA SW-846 Method 8260D-SIM)

The samples listed below were reviewed for each of the following validation areas. Validation findings are noted in attached validation findings worksheets.

	Validation Area		Comments
I.	Sample receipt/Technical holding times	A	
II.	GC/MS Instrument performance check	A	
III.	Initial calibration/ICV	A, A	FSO ≤ 1570 CV ≤ 2070
IV.	Continuing calibration / Closing CCV	A	b ≤ 20/5070
V.	Laboratory Blanks	N	Not reviewed for ADR validation
VI.	Field blanks	ND	TB = 1 FB = 2
VII.	Surrogate spikes	N	Not reviewed for ADR validation
VIII.	Matrix spike/Matrix spike duplicates	N	Not reviewed for ADR validation
IX.	Laboratory control samples	N	Not reviewed for ADR validation
X.	Field duplicates	N	
XI.	Internal standards	A	
XII.	Target analyte quantitation	N	Not reviewed for ADR validation
XIII.	Target analyte identification	N	Not reviewed for ADR validation
XIV.	Overall assessment of data	A	

Note: A = Acceptable
N = Not provided/applicable
SW = See worksheet

ND = No compounds detected
R = Rinsate
FB = Field blank

D = Duplicate
TB = Trip blank
EB = Equipment blank

SB=Source blank
OTHER:

	Client ID	Lab ID	Matrix	Date
1	24340BWX209A	FC18342-1	Water	08/21/24
2	24340BWX192C	FC18342-2	Water	08/21/24
3	2434X0BW023F	FC18342-3	Water	08/21/24
4	2434W0BW151F	FC18342-4	Water	08/21/24
5	2434W0BW152F	FC18342-5	Water	08/21/24
6	2434W0BW168F	FC18342-6	Water	08/21/24
7	2434WOU2145F	FC18342-7	Water	08/21/24
8	2434WOU2147F	FC18342-8	Water	08/21/24
9				
10				

Notes:



LABORATORY DATA CONSULTANTS, INC.

2701 Loker Ave. West, Suite 220, Carlsbad, CA 92010 Bus: 760-827-1100 Fax: 760-827-1099

AHTNA
296 12th Street
Marina, CA 93933
ATTN: Mr. Eric A. Schmidt
eschmidt@ahtna.net

September 25, 2024

SUBJECT: Fort Ord, OUCTP - Data Validation

Dear Mr. Schmidt,

Enclosed are the final validation reports for the fraction listed below. These SDGs were received on September 19, 2024. Attachment 1 is a summary of the samples that were reviewed for each analysis.

LDC Project #59750:

<u>SDG #</u>	<u>Fraction</u>
FC18325	Volatiles
FC18680	

The data validation was performed under Stage 2B & 4 guidelines. The analysis was validated using the following documents, as applicable to each method:

- Quality Assurance Project Plan Volume I, Appendix A for Groundwater Remedies and Monitoring at Operable Unit 2, Sites 2 and 12, and Operable Unit Carbon Tetrachloride Plume, Former Fort Ord, California (Revision 8, July 2020)
- U.S. Department of Defense (DoD) Quality Systems Manual (QSM) for Environmental Laboratories, Version 5.1 (2017)
- U.S. DoD Data Validation Guidelines Module 1: Data Validation Procedure for Organic Analysis by GC/MS (May 2020)
- EPA SW 846, Third Edition, Test Methods for Evaluating Solid Waste, update I, July 1992; update IIA, August 1993; update II, September 1994; update IIB, January 1995; update III, December 1996; update IIIA, April 1998; IIIB, November 2004; update IV, February 2007; update V, July 2014; update VI, July 2018

Please feel free to contact us if you have any questions.

Sincerely,

Pei Geng
pgeng@lab-data.com
Project Manager/Senior Chemist

**Automated Data Review Data Validation Report
Fort Ord, OUCTP**

Sample Delivery Group(s)

FC18325

FC18680

September 24, 2024

Introduction

This Data Validation Report (DVR) presents data validation findings and results for the associated samples collected during the August through September 2024 sampling period. Data validation was performed in accordance with the Quality Assurance Project Plan Volume I, Appendix A for Groundwater Remedies and Monitoring at Operable Unit 2, Sites 2 and 12, and Operable Unit Carbon Tetrachloride Plume, Former Fort Ord, California (Revision 8, July 2020), the U.S. Department of Defense (DoD) Quality Systems Manual (QSM) for Environmental Laboratories, Version 5.1 (2017), and the U.S. DoD Data Validation Guidelines Module 1: Data Validation Procedure for Organic Analysis by GC/MS (May 2020). Where specific guidance was not available, the data has been evaluated in a conservative manner consistent with industry standards using professional experience.

The analyses were performed by the following method(s):

Volatile Organic Compounds (VOCs) by Environmental Protection Agency (EPA) SW 846 Method 8260D in Selected Ion Monitoring (SIM) mode

Sample identifications, methods of analyses performed, and review levels on each sample are presented in Attachment 1. Overall data qualification summary is presented in Attachment 2. Automated Data Review outliers and manual data validation worksheets are presented in Enclosure I.

All sample results were subjected to Stage 2B data validation, which comprises an evaluation of quality control (QC) summary results. Approximately 10 percent of samples were subjected to Stage 4 data validation, which is comprised of the QC summary forms as well as the raw data, to confirm sample quantitation and identification.

The following are definitions of the data qualifiers utilized during data validation:

- J+ The result was an estimated quantity, but the result may be biased high.
- J- The result was an estimated quantity, but the result may be biased low.
- J The reported result was an estimated quantity value with an unknown bias.
- U The analyte was not detected and was reported as less than the LOD or as defined by the customer. The LOD has been adjusted for any dilution or concentration of the sample.
- UJ The analyte was not detected and was reported as less than the LOD or as defined by the customer. However, the associated numerical value is approximate.
- N The analysis indicates the presence of an analyte for which there was presumptive evidence to make a "tentative identification".
- NJ The analyte has been "tentatively identified" or "presumptively identified" as present, and the associated numerical value was the estimated concentration in the sample.
- X The sample results (including non-detects) were affected by serious deficiencies in the ability to analyze the sample and to meet published method and project quality control criteria. The presence or absence of the analyte cannot be substantiated by the data provided. Acceptance or rejection of the data should be decided by the project team (which should include a Project Chemist), but exclusion of the data is recommended.
- NA (Not Applicable): The non-conformance discovered during data validation demonstrates a high bias, while the affected analyte in the associated sample(s) was reported as not detected by the laboratory and did not warrant the qualification of the data.

Sample Receipt & Technical Holding Times

All samples were received in good condition and cooler temperatures upon receipt met validation criteria.

All technical holding time requirements were met.

Instrument Performance Check

A bromofluorobenzene (BFB) tune was performed at 12 hour intervals.

All ion abundance requirements were met.

Initial Calibration and Initial Calibration Verification

An initial calibration was performed as required by the method.

For analytes where average relative response factors (RRFs) were utilized, the percent relative standard deviations (%RSD) were less than or equal to 15.0%.

In the case where the laboratory used a calibration curve to evaluate the analytes, all coefficients of determination (r^2) were greater than or equal to 0.990.

Average relative response factors (RRF) for all analytes were within validation criteria.

The percent differences (%D) of the initial calibration verification (ICV) standard were less than or equal to 20.0% for all analytes.

Continuing Calibration

Continuing calibration was performed at the required frequencies.

The percent differences (%D) were less than or equal to 20.0% for all analytes.

The percent differences (%D) of the ending continuing calibration verifications (CCVs) were less than or equal to 50.0% for all analytes.

All of the continuing calibration relative response factors (RRF) were within validation criteria.

Laboratory Blanks

Laboratory blanks were performed as required by the method. No contaminant concentrations were detected in the laboratory blanks.

Field Blanks

Three trip blanks were collected and analyzed. No contaminants were found.

One equipment blank was collected and analyzed. No contaminants were found.

Three field blanks were collected and analyzed. No contaminants were found.

Surrogate Spikes

Surrogates were added to all samples as required by the method. All surrogate recoveries (%R) were within QC limits.

Matrix Spike/Matrix Spike Duplicates

Matrix spike (MS) and matrix spike duplicate (MSD) sample analysis was performed on an associated project sample. Percent recoveries (%R) and relative percent differences (RPD) were within QC limits with the exception of one MS/MSD pair for 1,2-dichloroethane. No data were qualified due to high %Rs when the associated results were non-detected. The details regarding the qualification of data are presented in Enclosure I.

Laboratory Control Samples

Laboratory control samples (LCS) was analyzed as required by the method. Percent recoveries (%R).

Field Duplicates

Two field duplicate pairs were collected and analyzed. All RPDs were within QC limits with the exception of one duplicate pair for carbon tetrachloride. No data were qualified on the basis of field duplicate RPDs outside the QC limits. The field duplicate result comparisons are presented in Enclosure I.

Internal Standards

All internal standard areas and retention times were within QC limits.

Target Analyte Quantitation

The laboratory reporting limits were evaluated. All laboratory reporting limits met the specified requirements.

All analytes reported below the limit of quantitation (LOQ) as detected by the laboratory were qualified as detected estimated (J). The details regarding the qualification of data are provided in Enclosure I.

Target Analyte Identification

All target analyte identifications met validation criteria for samples which underwent Stage 4 validation. Raw data were not reviewed for Stage 2B validation.

Manual integrations were reviewed and were considered acceptable. The laboratory provided before and after integration printouts.

Overall Assessment of Data

The analysis was conducted within all specifications of the method. No results were recommended for exclusion in these SDGs.

Due to results below the LOQ, data were qualified as estimated in seven samples.

Data flags are summarized and are presented as Attachment 2.

Attachment 1
Sample Cross Reference

Sample Cross Reference

Date Collected	Field Sample ID	Lab Sample ID	Sample Type	Prep Method	Analytical Method	Review Level
22-Aug-2024	2434Y0BW216A	FC18325-12	TB	5030B	W846 8260D BY SII	Stage 2B
22-Aug-2024	2434Z0BW178F	FC18325-13	N	5030B	W846 8260D BY SII	Stage 4
22-Aug-2024	2434W0BW221A	FC18325-1	TB	5030B	W846 8260D BY SII	Stage 2B
22-Aug-2024	2434Z0BW179F	FC18325-14	N	5030B	W846 8260D BY SII	Stage 2B
22-Aug-2024	2434W0BW204C	FC18325-2	FB	5030B	W846 8260D BY SII	Stage 2B
22-Aug-2024	2434Y0BW199C	FC18325-15	FB	5030B	W846 8260D BY SII	Stage 2B
22-Aug-2024	2434X0BW021F	FC18325-18	N	5030B	W846 8260D BY SII	Stage 2B
22-Aug-2024	2434Z0BW177F	FC18325-16	N	5030B	W846 8260D BY SII	Stage 4
22-Aug-2024	2434W0BW164F	FC18325-3	N	5030B	W846 8260D BY SII	Stage 2B
22-Aug-2024	2434Z0BW225D	FC18325-17	FD	5030B	W846 8260D BY SII	Stage 2B
22-Aug-2024	2434W0BW165F	FC18325-4	N	5030B	W846 8260D BY SII	Stage 2B
22-Aug-2024	2434W0BW165FMS	FC18325-4MS	MS	5030B	W846 8260D BY SII	Stage 2B
22-Aug-2024	2434W0BW165FMSD	FC18325-4MSD	MSD	5030B	W846 8260D BY SII	Stage 2B
22-Aug-2024	2434W0BW166F	FC18325-5	N	5030B	W846 8260D BY SII	Stage 2B
22-Aug-2024	2434W0BW173D	FC18325-6	FD	5030B	W846 8260D BY SII	Stage 2B
22-Aug-2024	2434W0BW167F	FC18325-7	N	5030B	W846 8260D BY SII	Stage 2B
22-Aug-2024	2434W0U2148F	FC18325-8	N	5030B	W846 8260D BY SII	Stage 2B
22-Aug-2024	2434W0BW170F	FC18325-9	N	5030B	W846 8260D BY SII	Stage 2B
22-Aug-2024	2434W0BW171F	FC18325-10	N	5030B	W846 8260D BY SII	Stage 2B
22-Aug-2024	2434W0BW190B	FC18325-11	EB	5030B	W846 8260D BY SII	Stage 2B
09-Sep-2024	2437Z0BW223A	FC18680-1	TB	5030B	W846 8260D BY SII	Stage 2B
09-Sep-2024	2437Z0BW206C	FC18680-2	FB	5030B	W846 8260D BY SII	Stage 2B
09-Sep-2024	2437YOU2127F	FC18680-3	N	5030B	W846 8260D BY SII	Stage 2B

Attachment 2

Overall Data Qualification Summary

Data Qualifier Summary

Lab Reporting Batch ID: FC18325, FC18680

Laboratory: ACTO

EDD Filename: FC18325ACTO, FC18680ACTO

eQAPP Name: FtOrd_UFP_QAPP_Rev9_3

SDG: FC18325

Method Category: VOA
Method: SW846 8260D BY SIM **Matrix:** AQ

8/22/2024 8:30:00									
Sample ID:2434W0BW165F			Collected:AM			Analysis Type:1RES			Dilution: 1.00
Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
Trichloroethylene	0.32	J	0.25	LOD	0.50	LOQ	ug/L	J	RI

8/22/2024 9:00:00									
Sample ID:2434W0BW167F			Collected:AM			Analysis Type:1RES			Dilution: 1.00
Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
Trichloroethylene	0.12	J	0.25	LOD	0.50	LOQ	ug/L	J	RI

8/22/2024 9:42:00									
Sample ID:2434WOU2148F			Collected:AM			Analysis Type:1RES			Dilution: 1.00
Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
Trichloroethylene	0.16	J	0.25	LOD	0.50	LOQ	ug/L	J	RI

8/22/2024 7:47:00									
Sample ID:2434X0BW021F			Collected:AM			Analysis Type:1RES			Dilution: 1.00
Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
CARBON TETRACHLORIDE	0.33	J	0.25	LOD	0.50	LOQ	ug/L	J	RI

8/22/2024 8:15:00									
Sample ID:2434Z0BW177F			Collected:AM			Analysis Type:1RES			Dilution: 1.00
Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
CARBON TETRACHLORIDE	0.16	J	0.25	LOD	0.50	LOQ	ug/L	J	RI

8/22/2024 7:30:00									
Sample ID:2434Z0BW178F			Collected:AM			Analysis Type:1RES			Dilution: 1.00
Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
CARBON TETRACHLORIDE	0.14	J	0.25	LOD	0.50	LOQ	ug/L	J	RI
Trichloroethylene	0.37	J	0.25	LOD	0.50	LOQ	ug/L	J	RI

* denotes a non-reportable result

Project Name and Number: - Fort Ord Groundwater Monitoring

9/24/2024 8:52:18 AM

ADR version 1.9.0.325

Page 1 of 3

Data Qualifier Summary

Lab Reporting Batch ID: FC18325, FC18680

Laboratory: ACTO

EDD Filename: FC18325ACTO, FC18680ACTO

eQAPP Name: FtOrd_UFP_QAPP_Rev9_3

SDG: FC18325

Method Category: VOA
Method: SW846 8260D BY SIM **Matrix:** AQ

Sample ID: 2434Z0BW225D 8/22/2024 8:20:00 Collected: AM Analysis Type: 1RES Dilution: 1.00

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
CARBON TETRACHLORIDE	0.14	J	0.25	LOD	0.50	LOQ	ug/L	J	RI

* denotes a non-reportable result

Project Name and Number: - Fort Ord Groundwater Monitoring

9/24/2024 8:52:18 AM

ADR version 1.9.0.325

Data Qualifier Summary

Lab Reporting Batch ID: FC18325, FC18680

Laboratory: ACTO

EDD Filename: FC18325ACTO, FC18680ACTO

eQAPP Name: FtOrd_UFP_QAPP_Rev9_3

Reason Code Legend

<i>Reason Code</i>	<i>Description</i>
Ms	Matrix Spike Upper Estimation
RI	Reporting Limit Trace Value

* denotes a non-reportable result

Project Name and Number: - Fort Ord Groundwater Monitoring

9/24/2024 8:52:18 AM

ADR version 1.9.0.325

Page 3 of 3

Enclosure I

Validation Outlier Reports

Quality Control Outlier Reports

FC18325

Matrix Spike/Matrix Spike Duplicate Outlier Report

Lab Reporting Batch ID: FC18325

Laboratory: ACTO

EDD Filename: FC18325ACTO

eQAPP Name: FtOrd_UFP_QAPP_Rev9_3

Method: SW846 8260D BY SIM

Matrix: AQ

QC Sample ID (Associated Samples)	Compound	MS %R	MSD %R	%R Limits	RPD (Limits)	Affected Compounds	Flag
2434W0BW165FMS (2434W0BW165F)	1,2-DICHLOROETHANE	127	-	75.00-125.00	-	1,2-DICHLOROETHANE	J+ (all detects)

Field Duplicate RPD Report

Lab Reporting Batch ID: FC18325

Laboratory: ACTO

EDD Filename: FC18325ACTO

eQAPP Name: FtOrd_UFP_QAPP_Rev9_3

Method: SW846 8260D BY SIM
Matrix: AQ

Analyte	Concentration (ug/L)		Sample RPD	eQAPP RPD	Flag
	2434Z0BW177F	2434Z0BW225D			
CARBON TETRACHLORIDE	0.16	0.14	13	30.00	No Qualifiers Applied
Trichloroethylene	1.2	1.2	0	30.00	

Analyte	Concentration (ug/L)		Sample RPD	eQAPP RPD	Flag
	2434W0BW166F	2434W0BW173D			
CARBON TETRACHLORIDE	0.98	1.6	48	30.00	No Qualifiers Applied

Reporting Limit Outliers

Lab Reporting Batch ID: FC18325

Laboratory: ACTO

EDD Filename: FC18325ACTO

eQAPP Name: FtOrd_UFP_QAPP_Rev9_3

Method: SW846 8260D BY SIM

Matrix: AQ

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
2434W0BW165F	Trichloroethylene	J	0.32	0.50	LOQ	ug/L	J (all detects)
2434W0BW167F	Trichloroethylene	J	0.12	0.50	LOQ	ug/L	J (all detects)
2434WOU2148F	Trichloroethylene	J	0.16	0.50	LOQ	ug/L	J (all detects)
2434X0BW021F	CARBON TETRACHLORIDE	J	0.33	0.50	LOQ	ug/L	J (all detects)
2434Z0BW177F	CARBON TETRACHLORIDE	J	0.16	0.50	LOQ	ug/L	J (all detects)
2434Z0BW178F	CARBON TETRACHLORIDE Trichloroethylene	J J	0.14 0.37	0.50 0.50	LOQ LOQ	ug/L ug/L	J (all detects)
2434Z0BW225D	CARBON TETRACHLORIDE	J	0.14	0.50	LOQ	ug/L	J (all detects)

LDC #: 59750A1b

VALIDATION COMPLETENESS WORKSHEET

Date: 9/23/24

SDG #: FC18325

ADR/Stage 4

Page: 1 of 2

Laboratory: SGS North America, Inc., Orlando, FL

Reviewer: [Signature]

2nd Reviewer: [Signature]

METHOD: GC/MS Volatiles (EPA SW-846 Method 8260D-SIM)

The samples listed below were reviewed for each of the following validation areas. Validation findings are noted in attached validation findings worksheets.

	Validation Area		Comments
I.	Sample receipt/Technical holding times	A	
II.	GC/MS Instrument performance check	A	
III.	Initial calibration/ICV	AA	RSO ≤ 15%. Y = 1.4 ≤ 20%
IV.	Continuing calibration	A	b ≤ 20/50%
V.	Laboratory Blanks	A	
VI.	Field blanks	ND	TB=1, 12 FB=2, 15, 2B=11
VII.	Surrogate spikes	A	
VIII.	Matrix spike/Matrix spike duplicates	W	70R↑ = ND (2)
IX.	Laboratory control samples	A	LCS
X.	Field duplicates	W	D=5+6, 16+17
XI.	Internal standards	A	
XII.	Target analyte quantitation	A	Not reviewed for ADR validation
XIII.	Target analyte identification	A	Not reviewed for ADR validation NI
XIV.	Overall assessment of data	A	

Note: A = Acceptable
N = Not provided/applicable
SW = See worksheet

ND = No compounds detected
R = Rinsate
FB = Field blank

D = Duplicate
TB = Trip blank
EB = Equipment blank

SB=Source blank
OTHER:

** Indicates sample underwent Stage 4 validation

	Client ID	Lab ID	Matrix	Date
1	2434W0BW221A	FC18325-1	Water	08/22/24
2	2434W0BW204C	FC18325-2	Water	08/22/24
3	2434W0BW164F	FC18325-3	Water	08/22/24
4	2434W0BW165F	FC18325-4	Water	08/22/24
5	2434W0BW166F	FC18325-5	Water	08/22/24
6	2434W0BW173D	FC18325-6	Water	08/22/24
7	2434W0BW167F	FC18325-7	Water	08/22/24
8	2434WOU2148F	FC18325-8	Water	08/22/24
9	2434W0BW170F	FC18325-9	Water	08/22/24
10	2434W0BW171F	FC18325-10	Water	08/22/24
11	2434W0BW190B	FC18325-11	Water	08/22/24
12	2434Y0BW216A	FC18325-12	Water	08/22/24
13	2434Z0BW178F**	FC18325-13**	Water	08/22/24
14	2434Z0BW179F	FC18325-14	Water	08/22/24
15	2434Y0BW199C	FC18325-15	Water	08/22/24

LDC #: 59750A1b

VALIDATION COMPLETENESS WORKSHEET

SDG #: FC18325

ADR/Stage 4

Laboratory: SGS North America, Inc., Orlando, FL

Date: 9/24

Page: 2 of 2

Reviewer: [Signature]

2nd Reviewer: [Signature]

METHOD: GC/MS Volatiles (EPA SW-846 Method 8260D-SIM)

	Client ID	Lab ID	Matrix	Date
16	2434Z0BW177F**	FC18325-16**	Water	08/22/24
17	2434Z0BW225D	FC18325-17	Water	08/22/24
18	2434X0BW021F	FC18325-18	Water	08/22/24
19	2434W0BW165FMS	FC18325-4MS	Water	08/22/24
20	2434W0BW165FMSD	FC18325-4MSD	Water	08/22/24
21				
22				
23				

Notes:

V23088	O.A.S				

Method: Volatiles (EPA SW 846 Method 8260B-SIM)

Validation Area	Yes	No	NA	Findings/Comments
I. Technical holding times				
Were all technical holding times met?	/			
Was cooler temperature criteria met?	/			
II. GC/MS Instrument performance check (Not required)				
Were the BFB performance results reviewed and found to be within the specified criteria?	/			
Were all samples analyzed within the 12 hour clock criteria?	/			
IIIa. Initial calibration				
Did the laboratory perform a 5 point calibration prior to sample analysis?	/			
Were all percent relative standard deviations (%RSD) \leq 15% and relative response factors (RRF) $>$ 0.05??	/			
Was a curve fit used for evaluation? If yes, did the initial calibration meet the curve fit acceptance criteria of $>$ 0.990?	/			
IIIb. Initial Calibration Verification				
Was an initial calibration verification standard analyzed after each initial calibration for each instrument?	/			
Were all percent difference (%D) \leq 20% or percent recoveries (%R) 80-120%?	/			
IV. Continuing calibration				
Was a continuing calibration standard analyzed at least once every 12 hours for each instrument?	/			
Were all percent differences (%D) $<$ 20% and relative response factors (RRF) $>$ 0.05?	/			
V. Laboratory Blanks				
Was a laboratory blank associated with every sample in this SDG?	/			
Was a laboratory blank analyzed at least once every 12 hours for each matrix and concentration?	/			
Was there contamination in the laboratory blanks? If yes, please see the Blanks validation findings worksheet.		/		
VI. Field blanks				
Were field blanks identified in this SDG?	/			
Were target analytes detected in the field blanks?		/		
VII. Surrogate spikes				
Were all surrogate percent recovery (%R) within QC limits?	/			
If the percent recovery (%R) for one or more surrogates was out of QC limits, was a reanalysis performed to confirm samples with %R outside of criteria?			/	
VIII. Matrix spike/Matrix spike duplicates				
Were matrix spike (MS) and matrix spike duplicate (MSD) analyzed in this SDG?	/			
Were the MS/MSD percent recoveries (%R) and the relative percent differences (RPD) within the QC limits?		/		

Validation Area	Yes	No	NA	Findings/Comments
IX. Laboratory control samples				
Was an LCS analyzed per analytical batch?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Were the LCS percent recoveries (%R) and relative percent difference (RPD) within the QC limits?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
X. Field duplicates				
Were field duplicate pairs identified in this SDG?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Were target analytes detected in the field duplicates?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
XI. Internal standards				
Were internal standard area counts within -50% or +100% of the associated calibration standard?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Were retention times within + 30 seconds of the associated calibration standard?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
XII. Target analyte quantitation				
Did the laboratory LOQs/RLs meet the QAPP LOQs/RLs?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Were the correct internal standard (IS), quantitation ion and relative response factor (RRF) used to quantitate the target analyte?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Were target analyte quantitation and RLs adjusted to reflect all sample dilutions and dry weight factors applicable to level IV validation?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Were manual integrations reviewed and found acceptable?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Did the laboratory provide before and after integration printouts?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
XIII. Target analyte identification				
Were relative retention times (RRT's) within + 0.06 RRT units of the standard?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Did analyte spectra meet specified EPA "Functional Guidelines" criteria?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Were chromatogram peaks verified and accounted for?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Were manual integrations performed and found acceptable?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Did the lab provide before and after printouts?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
XV. Overall assessment of data				
Overall assessment of data was found to be acceptable.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

TARGET ANALYTE LIST

METHOD: VOA

A. Chloromethane	AA. Tetrachloroethene	AAA. 1,3,5-Trimethylbenzene	AAAA. Ethyl tert-butyl ether	A1. 1,3-Butadiene	A2. 1,2,4,5-Tetramethylbenzene
B. Bromomethane	BB. 1,1,2,2-Tetrachloroethane	BBB. 4-Chlorotoluene	BBBB. tert-Amyl methyl ether	B1. Hexane	B2. n-Octane
C. Vinyl chloride	CC. Toluene	CCC. tert-Butylbenzene	CCCC. 1-Chlorohexane	C1. Heptane	C2. n-Propyl alcohol
D. Chloroethane	DD. Chlorobenzene	DDD. 1,2,4-Trimethylbenzene	DDDD. Isopropyl alcohol	D1. Propylene	D2. n-Pentane
E. Methylene chloride	EE. Ethylbenzene	EEE. sec-Butylbenzene	EEEE. Acetonitrile	E1. Freon 11	E2. n-Decane
F. Acetone	FF. Styrene	FFF. 1,3-Dichlorobenzene	FFFF. Acrolein	F1. Freon 12	F2. Chlorodifluoromethane
G. Carbon disulfide	GG. Xylenes, total	GGG. p-Isopropyltoluene	GGGG. Acrylonitrile	G1. Freon 113	G2. cis-Decahydronaphthalene
H. 1,1-Dichloroethene	HH. Vinyl acetate	HHH. 1,4-Dichlorobenzene	HHHH. 1,4-Dioxane	H1. Freon 114	H2. trans-Decahydronaphthalene
I. 1,1-Dichloroethane	II. 2-Chloroethylvinyl ether	III. n-Butylbenzene	IIII. Isobutyl alcohol	I1. 2-Nitropropane	I2. n-Nonane
J. 1,2-Dichloroethene, total	JJ. Dichlorodifluoromethane	JJJ. 1,2-Dichlorobenzene	JJJJ. Methacrylonitrile	J1. Dimethyl disulfide	J2. n-Undecane
K. Chloroform	KK. Trichlorofluoromethane	KKK. 1,2,4-Trichlorobenzene	KKKK. Propionitrile	K1. 2,3-Dimethyl pentane	K2. Chloroprene
L. 1,2-Dichloroethane	LL. Methyl-tert-butyl ether	LLL. Hexachlorobutadiene	LLLL. Ethyl ether	L1. 2,4-Dimethyl pentane	L2. n-Butanol
M. 2-Butanone	MM. 1,2-Dibromo-3-chloropropane	MMM. Naphthalene	MMMM. Benzyl chloride	M1. 3,3-Dimethyl pentane	M2. n-Butyl acetate
N. 1,1,1-Trichloroethane	NN. Methyl ethyl ketone	NNN. 1,2,3-Trichlorobenzene	NNNN. Iodomethane	N1. 2-Methylpentane	N2. Nitrobenzene
O. Carbon tetrachloride	OO. 2,2-Dichloropropane	OOO. 1,3,5-Trichlorobenzene	OOOO. 1,1-Difluoroethane	O1. 3-Methylpentane	O2.
P. Bromodichloromethane	PP. Bromochloromethane	PPP. trans-1,2-Dichloroethene	PPPP. Tetrahydrofuran	P1. 3-Ethylpentane	P2.
Q. 1,2-Dichloropropane	QQ. 1,1-Dichloropropene	QQQ. cis-1,2-Dichloroethene	QQQQ. Methyl acetate	Q1. 2,2-Dimethylpentane	Q2.
R. cis-1,3-Dichloropropene	RR. Dibromomethane	RRR. m,p-Xylenes	RRRR. Ethyl acetate	R1. 2,2,3-Trimethylbutane	R2.
S. Trichloroethene	SS. 1,3-Dichloropropane	SSS. o-Xylene	SSSS. Cyclohexane	S1. 2,2,4-Trimethylpentane	S2.
T. Dibromochloromethane	TT. 1,2-Dibromoethane	TTT. 1,1,2-Trichloro-1,2,2-trifluoroethane	TTTT. Methylcyclohexane	T1. 2-Methylhexane	T2.
U. 1,1,2-Trichloroethane	UU. 1,1,1,2-Tetrachloroethane	UUU. 1,2-Dichlorotetrafluoroethane	UUUU. Allyl chloride	U1. Nonanal	U2.
V. Benzene	VV. Isopropylbenzene	VVV. 4-Ethyltoluene	VVVV. Methyl methacrylate	V1. 2-Methylnaphthalene	V2.
W. trans-1,3-Dichloropropene	WW. Bromobenzene	WWW. Ethanol	WWWW. Ethyl methacrylate	W1. Methanol	W2.
X. Bromoform	XX. 1,2,3-Trichloropropane	XXX. Di-isopropyl ether	XXXX. cis-1,4-Dichloro-2-butene	X1. 1,2,3-Trimethylbenzene	X2.
Y. 4-Methyl-2-pentanone	YY. n-Propylbenzene	YYY. tert-Butanol	YYYY. trans-1,4-Dichloro-2-butene	Y1. 2-Propanol	Y2.
Z. 2-Hexanone	ZZ. 2-Chlorotoluene	ZZZ. tert-Butyl alcohol	ZZZZ. Pentachloroethane	Z1. p-Diethylbenzene	Z2.

**Validation Findings Worksheet
Initial Calibration Calculation Verification**

Method: GC/MS VOCs

Date	Instrument	Compound	Level	(Y) Response	(X) Conc.	(X ²) Conc.
8/28/2024	Z	Carbon Tetrachloride	1	0.0183407	0.020	0.0004
			2	0.0700694	0.100	0.0100
			3	0.2775147	0.400	0.1600
			4	0.6222247	1.000	1.0000
			5	1.1087181	2.000	4.0000
			6	1.636802	3.000	9.0000
			7	2.011786	4.000	16.0000

Regression Output

			Reported
Constant	c =	0.0000	0
Std Err of Y Est			
R Squared		0.9996634	0.9992
Degrees of Freedom			
	B =	A =	B =
X Coefficient(s)	6.42047E-01	-3.4530E-02	0.66516
Std Err of Coef.			A =
			-0.0415
Correlation Coefficient		0.999832	
Coefficient of Determination (r ²)	r ²	0.999663	1

VALIDATION FINDINGS WORKSHEET Continuing Calibration Results Verification

METHOD: GC/MS VOA (EPA SW 846 Method 8260B_SIM)

The percent difference (%D) of the initial calibration average Relative Response Factors (RRFs) and the continuing calibration RRFs were recalculated for the compounds identified below using the following calculation:

% Difference = $100 * (\text{ave. RRF} - \text{RRF}) / \text{ave. RRF}$
 $\text{RRF} = (A_x)(C_{is}) / (A_{is})(C_x)$

Where: ave. RRF = initial calibration average RRF
 RRF = continuing calibration RRF
 A_x = Area of compound, A_{is} = Area of associated internal standard
 C_x = Concentration of compound, C_{is} = Concentration of internal standard

#	Standard ID	Calibration Date	Compound (Reference internal Standard)	Average RRF (initial)	Reported RRF (CC)	Recalculated RRF (CC)	Reported %D	Recalculated %D
1	Z76697	9/3/04	D (1st internal standard)	10.000	9.907	9.907	0.9	0.93
			(2nd internal standard)					
			(3rd internal standard)					
			(4th internal standard)					
2			(1st internal standard)					
			(2nd internal standard)					
			(3rd internal standard)					
			(4th internal standard)					
3			(1st internal standard)					
			(2nd internal standard)					
			(3rd internal standard)					
			(4th internal standard)					
4			(1st internal standard)					
			(2nd internal standard)					
			(3rd internal standard)					
			(4th internal standard)					

Comments: Refer to Continuing Calibration findings worksheet for list of qualifications and associated samples when reported results do not agree within 10.0% of the recalculated results.

VALIDATION FINDINGS WORKSHEET
Surrogate Results Verification

METHOD: GC/MS VOA (EPA SW 846 Method 8260B-SIM)

The percent recoveries (%R) of surrogates were recalculated for the compounds identified below using the following calculation:

% Recovery: SF/SS * 100

Where: SF = Surrogate Found
 SS = Surrogate Spiked

Sample ID: 16

	Surrogate Spiked	Surrogate Found	Percent Recovery Reported	Percent Recovery Recalculated	Percent Difference
Dibromofluoromethane					
1,2-Dichloroethane-d4	5.0	5.82	116	116	
Toluene-d8	V	4.72	97	97	
Bromofluorobenzene					

Sample ID:

	Surrogate Spiked	Surrogate Found	Percent Recovery Reported	Percent Recovery Recalculated	Percent Difference
Dibromofluoromethane					
1,2-Dichloroethane-d4					
Toluene-d8					
Bromofluorobenzene					

Sample ID:

	Surrogate Spiked	Surrogate Found	Percent Recovery Reported	Percent Recovery Recalculated	Percent Difference
Dibromofluoromethane					
1,2-Dichloroethane-d4					
Toluene-d8					
Bromofluorobenzene					

Sample ID:

	Surrogate Spiked	Surrogate Found	Percent Recovery Reported	Percent Recovery Recalculated	Percent Difference
Dibromofluoromethane					
1,2-Dichloroethane-d4					
Toluene-d8					
Bromofluorobenzene					

Sample ID:

	Surrogate Spiked	Surrogate Found	Percent Recovery Reported	Percent Recovery Recalculated	Percent Difference
Dibromofluoromethane					
1,2-Dichloroethane-d4					
Toluene-d8					
Bromofluorobenzene					

VALIDATION FINDINGS WORKSHEET

Matrix Spike/Matrix Spike Duplicates Results Verification

METHOD: GC/MS VOA (EPA SW 846 Method 8260B-SIM)

The percent recoveries (%R) and Relative Percent Difference (RPD) of the matrix spike and matrix spike duplicate were recalculated for the compounds identified below using the following calculation:

% Recovery = $100 * (SSC - SC) / SA$

Where: SSC = Spiked sample concentration
 SA = Spike added

SC = Sample concentration

RPD = $|MSC - MSCD| * 2 / (MSC + MSCD)$

MSC = Matrix spike concentration

MSCD = Matrix spike duplicate concentration

MS/MSD sample: 19/20

Compound	Spike Added		Sample Concentration	Spiked Sample Concentration		Matrix Spike		Matrix Spike Duplicate		MS/MSD	
	MS	MSD		MS	MSD	Percent Recovery		Percent Recovery		RPD	
					Reported	Recalc	Reported	Recalc	Reported	Recalculated	
S	25	25	0.32	26.8	25.1	106	106	99	99	7	7

Comments: Refer to Matrix Spike/Matrix Spike Duplicates findings worksheet for list of qualifications and associated samples when reported results do not agree within 10.0% of the recalculated results.

LDC #: ~~8705A16~~

VALIDATION FINDINGS WORKSHEET

Laboratory Control Sample Results Verification

Page: 1 of 1
 Reviewer: 9

METHOD: GC/MS VOA (EPA SW 846 Method 8260B-SIM)

The percent recoveries (%R) and Relative Percent Difference (RPD) of the laboratory control sample and laboratory control sample duplicate (if applicable) were recalculated for the compounds identified below using the following calculation:

% Recovery = 100 * SSC/SA

Where: SSC = Spiked sample concentration
 SA = Spike added

RPD = | LCSC - LCSDC | * 2 / (LCSC + LCSDC)

LCSC = Laboratory control sample concentration LCSDC = Laboratory control sample duplicate concentration

LCS ID: VZ3088-~~133~~

Compound	Spike Added (<u>MS</u>)		Spiked Sample Concentration (<u>MS</u>)		LCS		LCSD		LCS/LCSD	
	LCS	LCSD	LCS	LCSD	Percent Recovery		Percent Recovery		RPD	
					Reported	Recalc.	Reported	Recalc.	Reported	Recalculated
<u>5</u>	<u>5</u>	<u>NA</u>	<u>5.2</u>	<u>NA</u>	<u>104</u>	<u>104</u>				

Comments: Refer to Laboratory Control Sample findings worksheet for list of qualifications and associated samples when reported results do not agree within 10.0% of the recalculated results.

Quality Control Outlier Reports

FC18680

(No Outliers)

METHOD: GC/MS Volatiles (EPA SW-846 Method 8260D-SIM)

The samples listed below were reviewed for each of the following validation areas. Validation findings are noted in attached validation findings worksheets.

	Validation Area		Comments
I.	Sample receipt/Technical holding times	A	
II.	GC/MS Instrument performance check	A	
III.	Initial calibration/ICV	A/A	RSD < 15%. Y ² R ² = 20/0
IV.	Continuing calibration	A	b < 20/5070
V.	Laboratory Blanks	N	Not reviewed for ADR validation
VI.	Field blanks	ND	TB=1 EB=2
VII.	Surrogate spikes	N	Not reviewed for ADR validation
VIII.	Matrix spike/Matrix spike duplicates	N	Not reviewed for ADR validation
IX.	Laboratory control samples	N	Not reviewed for ADR validation
X.	Field duplicates	N	
XI.	Internal standards	A	
XII.	Target analyte quantitation	N	Not reviewed for ADR validation
XIII.	Target analyte identification	N	Not reviewed for ADR validation
XIV.	Overall assessment of data	A	

Note: A = Acceptable ND = No compounds detected D = Duplicate SB=Source blank
 N = Not provided/applicable R = Rinsate TB = Trip blank OTHER:
 SW = See worksheet FB = Field blank EB = Equipment blank

	Client ID	Lab ID	Matrix	Date
1	2437Z0BW223A	FC18680-1	Water	09/09/24
2	2437Z0BW206C	FC18680-2	Water	09/09/24
3	2437YOU2127F	FC18680-3	Water	09/09/24
4				
5				
6				
7				
8				
9				
10				

Notes:

VZ090		0.1.5			

**Third Quarter 2024
Groundwater Data
SGS Laboratory Reports**

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

e-Hardcopy 2.0
Automated Report

Technical Report for

Ahtna Global, LLC

Fort Ord Groundwater Monitoring

21187.001.01.0000 (FFO 2024 Q3) OUCTP-Lower

SGS Job Number: FC18255

Sampling Date: 08/20/24



Report to:

Ahtna Global, LLC
9699 Blue Larkspur Lane Suite 203
Monterey, CA 93940
dlieberman@ahtna.net; mfisher@ahtna.net;
hdillon@ahtna.net; eschmidt@ahtna.net;
ATTN: Derek Lieberman

Total number of pages in report: **101**



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

Norm Farmer
Technical Director

Client Service contact: Elvin Kumar 407-425-6700

Certifications: FL(E83510), LA(03051), KS(E-10327), NC(573), NJ(FL002), NY(12022), SC(96038001)

DoD ELAP(ANAB L2229), AZ(AZ0806), CA(2937), TX(T104704404), PA(68-03573), VA(460177),

AL, AK, AR, CT, IA, KY, MA, MI, MS, ND, NH, NV, OK, OR, IL, UT, VT, WA, WI, WV

This report shall not be reproduced, except in its entirety, without the written approval of SGS.

Test results relate only to samples analyzed.

Table of Contents

-1-

Section 1: Sample Summary	3
Section 2: Case Narrative/Conformance Summary	4
Section 3: Summary of Hits	5
Section 4: Sample Results	6
4.1: FC18255-1: 2434Y0BW214A	7
4.2: FC18255-2: 2434Y0BW085F	8
4.3: FC18255-3: 2434YOU2122F	9
4.4: FC18255-4: 2434YOU2069F	10
4.5: FC18255-5: 2434Y0BW197C	11
Section 5: Misc. Forms	12
5.1: Chain of Custody	13
5.2: QC Evaluation: DOD QSM5.x Limits	15
Section 6: MS Volatiles - QC Data Summaries	16
6.1: Method Blank Summary	17
6.2: Blank Spike Summary	18
6.3: Matrix Spike/Matrix Spike Duplicate Summary	19
6.4: Instrument Performance Checks (BFB)	20
6.5: Internal Standard Area Summaries	22
6.6: Surrogate Recovery Summaries	23
6.7: Initial and Continuing Calibration Summaries	24
6.8: Run Sequence Reports	31
Section 7: MS Volatiles - Raw Data	33
7.1: Samples	34
7.2: Method Blanks	64
7.3: Blank Spikes	67
7.4: Matrix Spike/Matrix Spike Duplicates	69
7.5: Instrument Performance Checks (BFB)	73
7.6: Initial and Continuing Calibrations	75
7.7: Instrument Run Logs	100



Sample Summary

Ahtna Global, LLC

Job No: FC18255

Fort Ord Groundwater Monitoring

Project No: 21187.001.01.0000 (FFO 2024 Q3) OUCTP-Lower

Sample Number	Collected		Received	Matrix		Client Sample ID
	Date	Time By		Code	Type	
FC18255-1	08/20/24	07:15	08/22/24	AQ	Trip Blank Water	2434Y0BW214A
FC18255-2	08/20/24	08:32	08/22/24	AQ	Ground Water	2434Y0BW085F
FC18255-3	08/20/24	09:10	08/22/24	AQ	Ground Water	2434YOU2122F
FC18255-4	08/20/24	09:35	08/22/24	AQ	Ground Water	2434YOU2069F
FC18255-5	08/20/24	11:39	08/22/24	AQ	Field Blank Water	2434Y0BW197C

SAMPLE DELIVERY GROUP CASE NARRATIVE

Client: Ahtna Global, LLC

Job No: FC18255

Site: Fort Ord Groundwater Monitoring

Report Date: 8/29/2024 3:38:13 PM

On 08/23/2024, 3 Sample(s), 1 Trip Blank(s), 0 Equip. Blank(s) and 1 Field Blank(s) were received at SGS North America Inc - Orlando. at a maximum corrected temperature of 2.6 C. Samples were intact and chemically preserved, unless noted below. A SGS North America Inc. - Orlando Job Number of FC18255 was assigned to the project.

Laboratory sample ID, client sample ID and dates of sample collection are detailed in the report's Results Summary Section. Specified quality control criteria were achieved for this job except as noted below. For more information, please refer to the analytical results and QC summary pages.

MS Volatiles By Method SW846 8260D BY SIM

Matrix: AQ

Batch ID: VN6710

All samples were analyzed within the recommended method holding time.

All method blanks for this batch meet method specific criteria.

Sample(s) FC18255-2MS, FC18255-2MSD were used as the QC samples indicated.

SGS North America Inc. - Orlando certifies that data reported for samples received, listed on the associated custody chain or analytical task order, were produced to specifications meeting the Quality System precision, accuracy and completeness objectives except as noted. Estimated non-standard method measurement uncertainty data is available on request, based on quality control bias and implicit for standard methods. Acceptable uncertainty requires tested parameter quality control data to meet method criteria. SGS North America Inc.- Orlando is not responsible for data quality assumptions if partial reports are used and recommends that this report be used in its entirety.

Narrative prepared by:

Kim Benham, Report Generation (signature on file)

Summary of Hits

Job Number: FC18255
Account: Ahtna Global, LLC
Project: Fort Ord Groundwater Monitoring
Collected: 08/20/24



Lab Sample ID	Client Sample ID	Result/ Qual	LOQ	LOD	Units	Method
---------------	------------------	-----------------	-----	-----	-------	--------

FC18255-1 **2434Y0BW214A**

No hits reported in this sample.

FC18255-2 **2434Y0BW085F**

Trichloroethylene	8.4	0.50	0.25	ug/l	SW846 8260D BY SIM
-------------------	-----	------	------	------	--------------------

FC18255-3 **2434YOU2122F**

Trichloroethylene	2.4	0.50	0.25	ug/l	SW846 8260D BY SIM
-------------------	-----	------	------	------	--------------------

FC18255-4 **2434YOU2069F**

Trichloroethylene	2.3	0.50	0.25	ug/l	SW846 8260D BY SIM
-------------------	-----	------	------	------	--------------------

FC18255-5 **2434Y0BW197C**

No hits reported in this sample.

Sample Results

Report of Analysis

SGS North America Inc.

Report of Analysis

Page 1 of 1

Client Sample ID: 2434Y0BW214A	
Lab Sample ID: FC18255-1	Date Sampled: 08/20/24
Matrix: AQ - Trip Blank Water	Date Received: 08/22/24
Method: SW846 8260D BY SIM	Percent Solids: n/a
Project: Fort Ord Groundwater Monitoring	

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	N0132320.D	1	08/28/24 11:45	JW	n/a	n/a	VN6710
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA Special List

CAS No.	Compound	Result	LOQ	LOD	DL	Units	Q
56-23-5	Carbon Tetrachloride	0.25 U	0.50	0.25	0.10	ug/l	
107-06-2	1,2-Dichloroethane	0.25 U	0.50	0.25	0.10	ug/l	
79-01-6	Trichloroethylene	0.25 U	0.50	0.25	0.10	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
17060-07-0	1,2-Dichloroethane-D4	108%		74-125%
2037-26-5	Toluene-D8	106%		88-111%

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

4.1
4

SGS North America Inc.

Report of Analysis

Page 1 of 1

Client Sample ID:	2434Y0BW085F	Date Sampled:	08/20/24
Lab Sample ID:	FC18255-2	Date Received:	08/22/24
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8260D BY SIM		
Project:	Fort Ord Groundwater Monitoring		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	N0132321.D	1	08/28/24 12:10	JW	n/a	n/a	VN6710
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA Special List

CAS No.	Compound	Result	LOQ	LOD	DL	Units	Q
56-23-5	Carbon Tetrachloride	0.25 U	0.50	0.25	0.10	ug/l	
107-06-2	1,2-Dichloroethane	0.25 U	0.50	0.25	0.10	ug/l	
79-01-6	Trichloroethylene	8.4	0.50	0.25	0.10	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
17060-07-0	1,2-Dichloroethane-D4	108%		74-125%
2037-26-5	Toluene-D8	105%		88-111%

U = Not detected

LOD = Limit of Detection

J = Indicates an estimated value

LOQ = Limit of Quantitation

DL = Detection Limit

B = Indicates analyte found in associated method blank

E = Indicates value exceeds calibration range

N = Indicates presumptive evidence of a compound

SGS North America Inc.

Report of Analysis

Page 1 of 1

Client Sample ID: 2434YOU2122F	
Lab Sample ID: FC18255-3	Date Sampled: 08/20/24
Matrix: AQ - Ground Water	Date Received: 08/22/24
Method: SW846 8260D BY SIM	Percent Solids: n/a
Project: Fort Ord Groundwater Monitoring	

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	N0132322.D	1	08/28/24 12:35	JW	n/a	n/a	VN6710
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA Special List

CAS No.	Compound	Result	LOQ	LOD	DL	Units	Q
56-23-5	Carbon Tetrachloride	0.25 U	0.50	0.25	0.10	ug/l	
107-06-2	1,2-Dichloroethane	0.25 U	0.50	0.25	0.10	ug/l	
79-01-6	Trichloroethylene	2.4	0.50	0.25	0.10	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
17060-07-0	1,2-Dichloroethane-D4	108%		74-125%
2037-26-5	Toluene-D8	106%		88-111%

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

4.3
4

SGS North America Inc.

Report of Analysis

Page 1 of 1

Client Sample ID: 2434YOU2069F	
Lab Sample ID: FC18255-4	Date Sampled: 08/20/24
Matrix: AQ - Ground Water	Date Received: 08/22/24
Method: SW846 8260D BY SIM	Percent Solids: n/a
Project: Fort Ord Groundwater Monitoring	

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	N0132323.D	1	08/28/24 13:00	JW	n/a	n/a	VN6710
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA Special List

CAS No.	Compound	Result	LOQ	LOD	DL	Units	Q
56-23-5	Carbon Tetrachloride	0.25 U	0.50	0.25	0.10	ug/l	
107-06-2	1,2-Dichloroethane	0.25 U	0.50	0.25	0.10	ug/l	
79-01-6	Trichloroethylene	2.3	0.50	0.25	0.10	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
17060-07-0	1,2-Dichloroethane-D4	110%		74-125%
2037-26-5	Toluene-D8	105%		88-111%

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

4.4
4

SGS North America Inc.

Report of Analysis

Page 1 of 1

Client Sample ID:	2434Y0BW197C	Date Sampled:	08/20/24
Lab Sample ID:	FC18255-5	Date Received:	08/22/24
Matrix:	AQ - Field Blank Water	Percent Solids:	n/a
Method:	SW846 8260D BY SIM		
Project:	Fort Ord Groundwater Monitoring		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	N0132319.D	1	08/28/24 11:21	JW	n/a	n/a	VN6710
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA Special List

CAS No.	Compound	Result	LOQ	LOD	DL	Units	Q
56-23-5	Carbon Tetrachloride	0.25 U	0.50	0.25	0.10	ug/l	
107-06-2	1,2-Dichloroethane	0.25 U	0.50	0.25	0.10	ug/l	
79-01-6	Trichloroethylene	0.25 U	0.50	0.25	0.10	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
17060-07-0	1,2-Dichloroethane-D4	106%		74-125%
2037-26-5	Toluene-D8	107%		88-111%

U = Not detected

LOD = Limit of Detection

J = Indicates an estimated value

LOQ = Limit of Quantitation

DL = Detection Limit

B = Indicates analyte found in associated method blank

E = Indicates value exceeds calibration range

N = Indicates presumptive evidence of a compound

Misc. Forms

Custody Documents and Other Forms

Includes the following where applicable:

- Chain of Custody
- QC Evaluation: DOD QSM5.x Limits

CAD53418
Ahtna

FC18255

Cooler No.:		of	
COC No: 240820-OUCTP Lower-2			
Task Desc: FFO2024Q3_Team1234			

Chain-of-Custody / Analytical Request Document
Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed and accurate

Lab Name: SGS North America Inc. - Orlando	Site ID #: FFORD	Sampler: 1741468
Lab Address:	Project #: 21187.001.01.0000	Sampling Company: Ahtna
Lab PM: Elvin Kumar	Site Address: FFO, Marina, CA 93933	Sampling Company Phone: 831-287-5250
Lab Phone/Fax: (407) 425-6700	Site PM Name: Derek Lieberman	Sampling Team Number: 5
Lab PM Email:	Site Phone/Fax:	Reimbursable Project?
Applicable Lab Quote:	Site PM Email: dlieberman@ahтна.net	Send EDD/Hard Copy To: labs@ahтна.net; dlieberman@ahтна.net
Turnaround Time: 10 Business Days	Turnaround Standard: Standard	

Items No.	Sample ID	Sample Location	Matrix	Depth	Original C-Comp	Sample Type	Sample Date Time	# of Containers	Comments Lab I.D.	Filtered	Preserve	Analysis
1	2434Y0BW214A		WQ		G	TB1	08/20/2024 07:15	2		X		
2	2434Y0BW085F		WG	350 - 350 ft btoc	G	NS1	08/20/2024 08:32	3		X		
3	2434YOU2122F		WG	325 - 325 ft btoc	G	NS1	08/20/2024 09:10	3		X		
4	2434YOU2069F		WG	222 - 222 ft btoc	G	NS1	08/20/2024 09:35	3		X		
5	2434Y0BW197C		WQ		G	FB1	08/20/2024 11:39	3		X		

INITIAL ASSESSMENT ZB
LABEL VERIFICATION TH

2-B IR #1

Sample Reason:	RELINQUISHED BY / AFFILIATION	Date Time	ACCEPTED BY / AFFILIATION	Date Time	Sample Receipt Conditions			
Additional Comments/Special Instructions: OUCTP - L	<u>CAH Long RBTS</u>	<u>8/20/24 07:50</u>	<u>S. [Signature] / Ahtna</u>	<u>8-20-24 17:50</u>	<input type="checkbox"/> Yes	<input type="checkbox"/> Yes	<input type="checkbox"/> Yes	<input type="checkbox"/> Yes
	<u>S. [Signature] / Ahtna</u>	<u>8-21-24 09:00</u>	<u>Lee Barza SGS</u>	<u>9/3/24</u>	<input type="checkbox"/> Yes	<input type="checkbox"/> Yes	<input type="checkbox"/> Yes	<input type="checkbox"/> Yes
	<u>Lee Barza SGS</u>	<u>9/21/24 15:00</u>	<u>FEDER</u>	<u>9/21/24 15:00</u>	<input type="checkbox"/> Yes	<input type="checkbox"/> Yes	<input type="checkbox"/> Yes	<input type="checkbox"/> Yes
			<u>[Signature]</u>	<u>9/22/24 9:00</u>	<input type="checkbox"/> Yes	<input type="checkbox"/> Yes	<input type="checkbox"/> Yes	<input type="checkbox"/> Yes
	SHIPPING METHOD: (mark as appropriate)		SAMPLER NAME AND SIGNATURE	Date Time	Temperature in °C	Sample on Ice?	Sample Intact?	Trip Blank?

5.1
5

SGS - Orlando Sample Receipt Summary

Job Number: fc18255

Client: AHTNA

Project: OUCTP-Lower FFO2024Q3

Date / Time Received: 8/22/2024 9:00:00 AM

Delivery Method: FEDEX

Airbill #s: 778111082577

Cooler Temps (Raw Measured) °C: Cooler 1: (2.8);

Cooler Temps (Corrected) °C: Cooler 1: (2.6);

Cooler Informatio

	Y	or	N	
1. Custody Seals Present:	<input checked="" type="checkbox"/>		<input type="checkbox"/>	
2. Custody Seals Intact:	<input checked="" type="checkbox"/>		<input type="checkbox"/>	
3. Temp criteria achieved:	<input checked="" type="checkbox"/>		<input type="checkbox"/>	
4. Cooler temp verification:				IR Gun
5. Cooler media:				Ice (Bag)

Trip Blank Information

	Y	or	N	N/A
1. Trip Blank present / cooler:	<input checked="" type="checkbox"/>		<input type="checkbox"/>	<input type="checkbox"/>
2. Trip Blank listed on COC:	<input checked="" type="checkbox"/>		<input type="checkbox"/>	<input type="checkbox"/>

	W	or	S	N/A
3. Type of TB Received	<input checked="" type="checkbox"/>		<input type="checkbox"/>	<input type="checkbox"/>

Sample Information

	Y	or	N	N/A
1. Sample labels present on bottles:	<input checked="" type="checkbox"/>		<input type="checkbox"/>	
2. Samples presented properly	<input checked="" type="checkbox"/>		<input type="checkbox"/>	
3. Sufficient volume/containers recv'd for analysi	<input checked="" type="checkbox"/>		<input type="checkbox"/>	
4. Condition of sample:				Intact
5. Sample recv'd within HT	<input checked="" type="checkbox"/>		<input type="checkbox"/>	
6. Dates/Times/IDs on COC match sample labe	<input checked="" type="checkbox"/>		<input type="checkbox"/>	
7. VOCs have headspace	<input type="checkbox"/>		<input checked="" type="checkbox"/>	<input type="checkbox"/>
8. Bottles received for unspecified tests	<input type="checkbox"/>		<input checked="" type="checkbox"/>	
9. Compositing instructions clear	<input type="checkbox"/>		<input type="checkbox"/>	<input checked="" type="checkbox"/>
10. Voa Soil Kits/Jars received past 48hrs?	<input type="checkbox"/>		<input type="checkbox"/>	<input checked="" type="checkbox"/>
11. % Solids Jar Received?	<input type="checkbox"/>		<input type="checkbox"/>	<input checked="" type="checkbox"/>
12. Residual Chlorine Present?	<input type="checkbox"/>		<input type="checkbox"/>	<input checked="" type="checkbox"/>

Misc Information

Number of Encores: 25 Gram	5 Gram	Number of Lab Filtered Metals
Test Strip Lot #: pH 0-3: <u>226422</u>	pH 10-12: _____	Other: (Specify) pH 1.0 - 12.0 <u>222221</u>
Residual Chlorine Test Strip Lot: _____		

Comments

Sample Receipt Summary 112723 EK Technician: ZANEB Date: 8/22/2024 3:04:40 PM Reviewer: ZB Date: 08/22/24

5.1
5

QC Evaluation: DOD QSM5.x Limits

Job Number: FC18255
Account: Ahtna Global, LLC
Project: Fort Ord Groundwater Monitoring
Collected: 08/20/24

QC Sample ID	CAS#	Analyte	Sample Type	Result Type	Result	Units	Limits
--------------	------	---------	-------------	-------------	--------	-------	--------

VN6710 SW846 8260D BY SIM

VN6710-BS	56-23-5	Carbon Tetrachloride	BSP	REC	102	%	72-136
VN6710-BS	107-06-2	1,2-Dichloroethane	BSP	REC	110	%	73-128
VN6710-BS	79-01-6	Trichloroethylene	BSP	REC	108	%	79-123
VN6710-BS	17060-07-0	1,2-Dichloroethane-D4	BSP	SURR	98	%	81-118
VN6710-BS	2037-26-5	Toluene-D8	BSP	SURR	106	%	89-112
FC18255-2MS	56-23-5	Carbon Tetrachloride	MS	REC	96	%	72-136
FC18255-2MS	107-06-2	1,2-Dichloroethane	MS	REC	121	%	73-128
FC18255-2MS	79-01-6	Trichloroethylene	MS	REC	98	%	79-123
FC18255-2MS	17060-07-0	1,2-Dichloroethane-D4	MS	SURR	105	%	81-118
FC18255-2MS	2037-26-5	Toluene-D8	MS	SURR	104	%	89-112
FC18255-2MSD	56-23-5	Carbon Tetrachloride	MSD	REC	97	%	72-136
FC18255-2MSD	56-23-5	Carbon Tetrachloride	MSD	RPD	1	%	20
FC18255-2MSD	107-06-2	1,2-Dichloroethane	MSD	REC	117	%	73-128
FC18255-2MSD	107-06-2	1,2-Dichloroethane	MSD	RPD	3	%	20
FC18255-2MSD	79-01-6	Trichloroethylene	MSD	REC	91	%	79-123
FC18255-2MSD	79-01-6	Trichloroethylene	MSD	RPD	5	%	20
FC18255-2MSD	17060-07-0	1,2-Dichloroethane-D4	MSD	SURR	102	%	81-118
FC18255-2MSD	2037-26-5	Toluene-D8	MSD	SURR	91	%	89-112
VN6710-MB	17060-07-0	1,2-Dichloroethane-D4	MB	SURR	104	%	81-118
VN6710-MB	2037-26-5	Toluene-D8	MB	SURR	105	%	89-112
FC18255-1	17060-07-0	1,2-Dichloroethane-D4	SAMP	SURR	108	%	81-118
FC18255-1	2037-26-5	Toluene-D8	SAMP	SURR	106	%	89-112
FC18255-2	17060-07-0	1,2-Dichloroethane-D4	SAMP	SURR	108	%	81-118
FC18255-2	2037-26-5	Toluene-D8	SAMP	SURR	105	%	89-112
FC18255-3	17060-07-0	1,2-Dichloroethane-D4	SAMP	SURR	108	%	81-118
FC18255-3	2037-26-5	Toluene-D8	SAMP	SURR	106	%	89-112
FC18255-4	17060-07-0	1,2-Dichloroethane-D4	SAMP	SURR	110	%	81-118
FC18255-4	2037-26-5	Toluene-D8	SAMP	SURR	105	%	89-112
FC18255-5	17060-07-0	1,2-Dichloroethane-D4	SAMP	SURR	106	%	81-118
FC18255-5	2037-26-5	Toluene-D8	SAMP	SURR	107	%	89-112

* Sample used for QC is not from job FC18255

MS Volatiles

QC Data Summaries

Includes the following where applicable:

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

Method Blank Summary

Job Number: FC18255
Account: AHTNACAS Ahtna Global, LLC
Project: Fort Ord Groundwater Monitoring

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VN6710-MB	N0132317.D	1	08/28/24	JW	n/a	n/a	VN6710

The QC reported here applies to the following samples:

Method: SW846 8260D BY SIM

FC18255-1, FC18255-2, FC18255-3, FC18255-4, FC18255-5

CAS No.	Compound	Result	RL	MDL	Units	Q
56-23-5	Carbon Tetrachloride	ND	0.50	0.10	ug/l	
107-06-2	1,2-Dichloroethane	ND	0.50	0.10	ug/l	
79-01-6	Trichloroethylene	ND	0.50	0.10	ug/l	

CAS No.	Surrogate Recoveries	Limits	
17060-07-0	1,2-Dichloroethane-D4	104%	74-125%
2037-26-5	Toluene-D8	105%	88-111%

Blank Spike Summary

Job Number: FC18255
Account: AHTNACAS Ahtna Global, LLC
Project: Fort Ord Groundwater Monitoring

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VN6710-BS	N0132315.D	1	08/28/24	JW	n/a	n/a	VN6710

The QC reported here applies to the following samples:

Method: SW846 8260D BY SIM

FC18255-1, FC18255-2, FC18255-3, FC18255-4, FC18255-5

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
56-23-5	Carbon Tetrachloride	5	5.1	102	76-136
107-06-2	1,2-Dichloroethane	5	5.5	110	75-125
79-01-6	Trichloroethylene	5	5.4	108	81-126

CAS No.	Surrogate Recoveries	BSP	Limits
17060-07-0	1,2-Dichloroethane-D4	98%	74-125%
2037-26-5	Toluene-D8	106%	88-111%

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: FC18255
Account: AHTNACAS Ahtna Global, LLC
Project: Fort Ord Groundwater Monitoring

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
FC18255-2MS	N0132338.D	5	08/28/24	JW	n/a	n/a	VN6710
FC18255-2MSD	N0132339.D	5	08/28/24	JW	n/a	n/a	VN6710
FC18255-2	N0132321.D	1	08/28/24	JW	n/a	n/a	VN6710

The QC reported here applies to the following samples:

Method: SW846 8260D BY SIM

FC18255-1, FC18255-2, FC18255-3, FC18255-4, FC18255-5

CAS No.	Compound	FC18255-2 ug/l	Spike Q ug/l	MS ug/l	MS %	Spike ug/l	MSD ug/l	MSD %	RPD	Limits Rec/RPD
56-23-5	Carbon Tetrachloride	0.50 U	25	24.0	96	25	24.2	97	1	76-136/23
107-06-2	1,2-Dichloroethane	0.50 U	25	30.2	121	25	29.3	117	3	75-125/14
79-01-6	Trichloroethylene	8.4	25	32.8	98	25	31.2	91	5	81-126/15

CAS No.	Surrogate Recoveries	MS	MSD	FC18255-2	Limits
17060-07-0	1,2-Dichloroethane-D4	105%	102%	108%	74-125%
2037-26-5	Toluene-D8	104%	91%	105%	88-111%

* = Outside of Control Limits.

Instrument Performance Check (BFB)

Job Number: FC18255
Account: AHTNACAS Ahtna Global, LLC
Project: Fort Ord Groundwater Monitoring

Sample: VN6705-BFB	Injection Date: 08/20/24
Lab File ID: N0132197.D	Injection Time: 09:04
Instrument ID: GCMSN	

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance	Pass/Fail
95	Base peak, 100% relative abundance	28939	100.0	Pass
96	5.0 - 9.0% of mass 95	1718	5.94	Pass
173	Less than 2.0% of mass 174	120	0.41 (0.48) ^a	Pass
174	50.0 - 200.0% of mass 95	24867	85.9	Pass
175	5.0 - 9.0% of mass 174	1811	6.26 (7.28) ^a	Pass
176	95.0 - 105.0% of mass 174	24459	84.5 (98.4) ^a	Pass
177	5.0 - 10.0% of mass 176	1743	6.02 (7.13) ^b	Pass

(a) Value is % of mass 174

(b) Value is % of mass 176

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

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
VN6705-IC6705	N0132200.D	08/20/24	10:17	01:13	Initial cal 3
VN6705-IC6705	N0132201.D	08/20/24	10:41	01:37	Initial cal 4
VN6705-ICC6705	N0132202.D	08/20/24	11:04	02:00	Initial cal 5
VN6705-IC6705	N0132203.D	08/20/24	11:28	02:24	Initial cal 6
VN6705-IC6705	N0132204.D	08/20/24	11:51	02:47	Initial cal 7
VN6705-IC6705	N0132207.D	08/20/24	13:05	04:01	Initial cal 1
VN6705-IC6705	N0132208.D	08/20/24	13:28	04:24	Initial cal 2
VN6705-ICV6705	N0132209.D	08/20/24	13:52	04:48	Initial cal verification 5

Instrument Performance Check (BFB)

Job Number: FC18255
Account: AHTNACAS Ahtna Global, LLC
Project: Fort Ord Groundwater Monitoring

Sample: VN6710-BFB	Injection Date: 08/28/24
Lab File ID: N0132313.D	Injection Time: 08:53
Instrument ID: GCMSN	

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance	Pass/Fail
95	Base peak, 100% relative abundance	42992	100.0	Pass
96	5.0 - 9.0% of mass 95	3184	7.41	Pass
173	Less than 2.0% of mass 174	240	0.56 (0.68) ^a	Pass
174	50.0 - 200.0% of mass 95	35437	82.4	Pass
175	5.0 - 9.0% of mass 174	2706	6.29 (7.64) ^a	Pass
176	95.0 - 105.0% of mass 174	35176	81.8 (99.3) ^a	Pass
177	5.0 - 10.0% of mass 176	2178	5.07 (6.19) ^b	Pass

(a) Value is % of mass 174

(b) Value is % of mass 176

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

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
VN6710-CC6705	N0132314.D	08/28/24	09:18	00:25	Continuing cal 5
VN6710-BS	N0132315.D	08/28/24	09:43	00:50	Blank Spike
VN6710-MB	N0132317.D	08/28/24	10:32	01:39	Method Blank
ZZZZZZ	N0132318.D	08/28/24	10:56	02:03	(unrelated sample)
FC18255-5	N0132319.D	08/28/24	11:21	02:28	2434Y0BW197C
FC18255-1	N0132320.D	08/28/24	11:45	02:52	2434Y0BW214A
FC18255-2	N0132321.D	08/28/24	12:10	03:17	2434Y0BW085F
FC18255-3	N0132322.D	08/28/24	12:35	03:42	2434YOU2122F
FC18255-4	N0132323.D	08/28/24	13:00	04:07	2434YOU2069F
ZZZZZZ	N0132324.D	08/28/24	13:25	04:32	(unrelated sample)
ZZZZZZ	N0132325.D	08/28/24	13:49	04:56	(unrelated sample)
ZZZZZZ	N0132326.D	08/28/24	14:14	05:21	(unrelated sample)
ZZZZZZ	N0132327.D	08/28/24	14:40	05:47	(unrelated sample)
ZZZZZZ	N0132328.D	08/28/24	15:05	06:12	(unrelated sample)
ZZZZZZ	N0132329.D	08/28/24	15:30	06:37	(unrelated sample)
ZZZZZZ	N0132330.D	08/28/24	15:55	07:02	(unrelated sample)
ZZZZZZ	N0132331.D	08/28/24	16:20	07:27	(unrelated sample)
ZZZZZZ	N0132332.D	08/28/24	16:46	07:53	(unrelated sample)
ZZZZZZ	N0132333.D	08/28/24	17:11	08:18	(unrelated sample)
ZZZZZZ	N0132334.D	08/28/24	17:36	08:43	(unrelated sample)
ZZZZZZ	N0132335.D	08/28/24	18:01	09:08	(unrelated sample)
ZZZZZZ	N0132336.D	08/28/24	18:26	09:33	(unrelated sample)
ZZZZZZ	N0132337.D	08/28/24	18:51	09:58	(unrelated sample)
FC18255-2MS	N0132338.D	08/28/24	19:16	10:23	Matrix Spike
FC18255-2MSD	N0132339.D	08/28/24	19:41	10:48	Matrix Spike Duplicate
VN6710-ECC6705	N0132340.D	08/28/24	20:06	11:13	Ending cal 5

Internal Standard Area Summary

Job Number: FC18255
Account: AHTNACAS Ahtna Global, LLC
Project: Fort Ord Groundwater Monitoring

Check Std: VN6710-CC6705	Injection Date: 08/28/24
Lab File ID: N0132314.D	Injection Time: 09:18
Instrument ID: GCMSN	Method: SW846 8260D BY SIM

	IS 1 AREA	RT	IS 2 AREA	RT
Initial Cal ^a	57601	6.34	36791	9.51
Check Std ^b	57946	6.33	37980	9.51
Upper Limit ^c	115892	6.50	75960	9.68
Lower Limit ^d	28973	6.16	18990	9.34

Lab Sample ID	IS 1 AREA	RT	IS 2 AREA	RT
VN6710-BS	56392	6.34	34753	9.51
VN6710-MB	47341	6.34	30013	9.51
ZZZZZZ	46308	6.34	28747	9.52
FC18255-5	45135	6.34	28259	9.52
FC18255-1	44264	6.34	28002	9.51
FC18255-2	43616	6.34	27624	9.51
FC18255-3	43526	6.34	27449	9.52
FC18255-4	42603	6.34	27083	9.51
ZZZZZZ	41812	6.34	26484	9.51
ZZZZZZ	41051	6.34	26325	9.52
ZZZZZZ	41268	6.34	26408	9.52
ZZZZZZ	41374	6.34	26427	9.51
ZZZZZZ	40840	6.34	25873	9.52
ZZZZZZ	39854	6.34	25343	9.52
ZZZZZZ	40861	6.34	25846	9.52
ZZZZZZ	40075	6.34	25422	9.52
ZZZZZZ	40387	6.34	25813	9.52
ZZZZZZ	39765	6.34	25217	9.52
ZZZZZZ	40127	6.34	25298	9.51
ZZZZZZ	41128	6.34	25841	9.52
ZZZZZZ	40445	6.34	25319	9.51
ZZZZZZ	40366	6.34	25834	9.52
FC18255-2MS	46514	6.34	29231	9.51
FC18255-2MSD	49424	6.34	35151	9.51
VN6710-ECC670554621	6.34	35072	9.51	

IS 1 = Fluorobenzene
IS 2 = Chlorobenzene-D5

- (a) Initial Cal is: VN6705-ICC6705 N0132202.D 08/20/24 11:04
- (b) Check Std Limit = -50 to + 100% of initial cal area.
- (c) Upper Limit = + 100% of check standard area; Retention time + 0.167 minutes.
- (d) Lower Limit = -50% of check standard area; Retention time -0.167 minutes.

6.5.1
6

Surrogate Recovery Summary

Job Number: FC18255
Account: AHTNACAS Ahtna Global, LLC
Project: Fort Ord Groundwater Monitoring

Method: SW846 8260D BY SIM	Matrix: AQ
-----------------------------------	-------------------

Samples and QC shown here apply to the above method

Lab Sample ID	Lab File ID	S1	S2
FC18255-1	N0132320.D	108	106
FC18255-2	N0132321.D	108	105
FC18255-3	N0132322.D	108	106
FC18255-4	N0132323.D	110	105
FC18255-5	N0132319.D	106	107
FC18255-2MS	N0132338.D	105	104
FC18255-2MSD	N0132339.D	102	91
VN6710-BS	N0132315.D	98	106
VN6710-MB	N0132317.D	104	105

Surrogate Compounds	Recovery Limits
S1 = 1,2-Dichloroethane-D4	74-125%
S2 = Toluene-D8	88-111%

6.6.1
6

Initial Calibration Summary

Job Number: FC18255
Account: AHTNACAS Ahtna Global, LLC
Project: Fort Ord Groundwater Monitoring

Sample: VN6705-ICC6705
Lab FileID: N0132202.D

Response Factor Report MSVOA6-N

Method : C:\msdchem\1\met..._VN6705_082024.M (RTE Integrator)
 Title : Standard Methods 6200B
 Last Update : Tue Aug 20 14:01:28 2024
 Response via : Initial Calibration

Calibration Files

1 =N0132207.D 2 =N0132208.D 3 =N0132200.D 4 =N0132201.D
 5 =N0132202.D 6 =N0132203.D 7 =N0132204.D

Compound	1	2	3	4	5	6	7	Avg	%RSD
1) I Fluorobenzene	-----ISTD-----								
2) Vinyl Chloride	0.524	0.203	0.123	0.115	0.109	0.111	0.105	0.184	83.41
	---- Linear regr., Force(0,0) ---- Coefficient = 0.9993								
	Response Ratio = 0.00000 + 0.11062 *A								
3) Chloromethane	0.373	0.193	0.164	0.149	0.144	0.136	0.193	46.88	
	---- Linear regr., Force(0,0) ---- Coefficient = 0.9990								
	Response Ratio = 0.00000 + 0.14771 *A								
4) 1,1-Dichloroethen	0.184	0.146	0.144	0.137	0.136	0.135	0.147	12.46	
5) Methylene Chlorid		0.280	0.215	0.185	0.172	0.165	0.204	23.15	
	---- Quadratic regr., Force(0,0) ---- Coefficient = 0.9927								
	Response Ratio = 0.00000 + 0.23670 *A + -0.01952 *A^2								
6) trans-1,2-Dichlor	0.152	0.118	0.119	0.116	0.116	0.116	0.123	11.71	
7) 1,1-Dichloroethan	0.199	0.168	0.165	0.156	0.152	0.149	0.165	11.13	
8) cis-1,2-Dichloroe	0.092	0.069	0.069	0.066	0.067	0.068	0.072	13.85	
9) Chloroform	0.311	0.197	0.172	0.154	0.149	0.145	0.188	33.73	
	---- Quadratic regr., Force(0,0) ---- Coefficient = 0.9968								
	Response Ratio = 0.00000 + 0.18931 *A + -0.01236 *A^2								
10) Carbon Tetrachlor	0.093	0.071	0.074	0.070	0.070	0.071	0.075	12.09	
11) 1,1,1-Trichloroet	0.133	0.104	0.104	0.099	0.100	0.099	0.106	12.29	
12) Benzene	0.338	0.258	0.259	0.249	0.249	0.250	0.267	13.14	
13)S 1,2-Dichloroethan	0.436	0.438	0.464	0.438	0.419	0.414	0.401	4.75	
14) 1,2-Dichloroethan	0.143	0.130	0.129	0.122	0.118	0.115	0.126	8.10	
15) Trichloroethene	0.097	0.070	0.071	0.070	0.071	0.071	0.075	13.97	
16) 1,2-Dichloropropa	0.104	0.083	0.083	0.080	0.078	0.078	0.084	11.71	
17) cis-1,3-Dichlorop	0.069	0.056	0.064	0.067	0.071	0.074	0.067	9.18	
18) I Chlorobenzene-d5	-----ISTD-----								
19)S Toluene-d8	1.165	1.153	1.086	1.012	1.108	1.106	1.095	1.104	4.51
20) trans-1,3-Dichlor	0.068	0.070	0.087	0.105	0.111	0.116	0.093	22.28	
	---- Quadratic regr., Force(0,0) ---- Coefficient = 0.9983								
	Response Ratio = 0.00000 + 0.07956 *A + 0.00965 *A^2								
21) Tetrachloroethene	0.141	0.110	0.106	0.109	0.106	0.104	0.113	12.56	
22) 1,4-Dichlorobenze	0.326	0.233	0.231	0.254	0.248	0.241	0.256	13.89	
23) 1,2-Dibromo-3-Chl	0.039	0.022	0.018	0.021	0.021	0.021	0.024	31.24	
	---- Linear regr., Force(0,0) ---- Coefficient = 0.9956								
	Response Ratio = 0.00000 + 0.02093 *A								

(#) = Out of Range

Initial Calibration Verification

Job Number: FC18255
 Account: AHTNACAS Ahtna Global, LLC
 Project: Fort Ord Groundwater Monitoring

Sample: VN6705-ICV6705
 Lab FileID: N0132209.D

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\data\08-20-24\N0132209.D Vial: 13
 Acq On : 20 Aug 2024 1:52 pm Operator: jeniferw
 Sample : ICV6705-5 Inst : MSVOA6-N
 Misc : MS57318,VN6705,,,,, Multiplr: 1.00
 MS Integration Params: rteint.p

Method : C:\msdchem\1\met..._VN6705_082024.M (RTE Integrator)
 Title : Standard Methods 6200B
 Last Update : Tue Aug 20 14:01:28 2024
 Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1 I	Fluorobenzene	1.000	1.000	0.0	106	0.00	6.34
	----- Amount	Calc.	%Drift	-----			
2	Vinyl Chloride	10.000	8.338	16.6	89	0.00	2.06
3	Chloromethane	10.000	8.095	19.0	85	0.00	1.98
	----- AvgRF	CCRF	%Dev	-----			
4	1,1-Dichloroethene	0.147	0.153	-4.1	117	0.00	3.15
	----- Amount	Calc.	%Drift	-----			
5	Methylene Chloride	10.000	10.751	-7.5	120	0.00	3.71
	----- AvgRF	CCRF	%Dev	-----			
6	trans-1,2-Dichloroethene	0.123	0.132	-7.3	121	0.00	3.88
7	1,1-Dichloroethane	0.165	0.173	-4.8	118	0.00	4.49
8	cis-1,2-Dichloroethene	0.072	0.076	-5.6	120	0.00	5.04
	----- Amount	Calc.	%Drift	-----			
9	Chloroform	10.000	10.626	-6.3	119	0.00	5.30
	----- AvgRF	CCRF	%Dev	-----			
10	Carbon Tetrachloride	0.075	0.080	-6.7	121	0.00	5.47
11	1,1,1-Trichloroethane	0.106	0.116	-9.4	124	0.00	5.53
12	Benzene	0.267	0.286	-7.1	121	0.00	5.91
13 S	1,2-Dichloroethane-d4	0.430	0.408	5.1	103	0.00	6.04
14	1,2-Dichloroethane	0.126	0.139	-10.3	120	0.00	6.12
15	Trichloroethene	0.075	0.082	-9.3	124	0.00	6.53
16	1,2-Dichloropropane	0.084	0.091	-8.3	121	0.00	7.05
17	cis-1,3-Dichloropropene	0.067	0.076	-13.4	120	0.00	7.77
18 I	Chlorobenzene-d5	1.000	1.000	0.0	105	0.00	9.52
19 S	Toluene-d8	1.104	1.144	-3.6	108	0.00	7.95
	----- Amount	Calc.	%Drift	-----			
20	trans-1,3-Dichloropropene	10.000	10.987	-9.9	110	0.00	8.42
	----- AvgRF	CCRF	%Dev	-----			
21	Tetrachloroethene	0.113	0.131	-15.9	126	0.00	8.41
22	1,4-Dichlorobenzene	0.256	0.290	-13.3	119	0.00	11.91
	----- Amount	Calc.	%Drift	-----			
23	1,2-Dibromo-3-Chloropropa	10.000	10.883	-8.8	111	0.00	13.18

Continuing Calibration Summary

Job Number: FC18255
Account: AHTNACAS Ahtna Global, LLC
Project: Fort Ord Groundwater Monitoring

Sample: VN6710-CC6705
Lab FileID: N0132314.D

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\data\08-28-24\N0132314.D Vial: 2
 Acq On : 28 Aug 2024 9:18 am Operator: jeniferw
 Sample : CC6705-5 Inst : MSVOA6-N
 Misc : MS57365,VN6710,,,,, Multiplr: 1.00
 MS Integration Params: rteint.p

Method : C:\msdchem\1\met..._VN6705_082024.M (RTE Integrator)
 Title : Standard Methods 6200B
 Last Update : Tue Aug 20 14:01:28 2024
 Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1 I	Fluorobenzene	1.000	1.000	0.0	101	0.00	6.33
	----- Amount	Calc.	%Drift	-----			
2	Vinyl Chloride	10.000	15.244	-52.4#	156	0.00	2.06
3	Chloromethane	10.000	11.912	-19.1	118	0.00	1.98
	----- AvgRF	CCRF	%Dev	-----			
4	1,1-Dichloroethene	0.147	0.137	6.8	101	0.00	3.15
	----- Amount	Calc.	%Drift	-----			
5	Methylene Chloride	10.000	11.241	-12.4	118	0.00	3.71
	----- AvgRF	CCRF	%Dev	-----			
6	trans-1,2-Dichloroethene	0.123	0.121	1.6	105	0.00	3.88
7	1,1-Dichloroethane	0.165	0.164	0.6	106	0.00	4.48
8	cis-1,2-Dichloroethene	0.072	0.072	0.0	110	0.00	5.04
	----- Amount	Calc.	%Drift	-----			
9	Chloroform	10.000	9.926	0.7	107	0.00	5.30
	----- AvgRF	CCRF	%Dev	-----			
10	Carbon Tetrachloride	0.075	0.065	13.3	94	0.00	5.47
11	1,1,1-Trichloroethane	0.106	0.101	4.7	103	0.00	5.52
12	Benzene	0.267	0.264	1.1	106	0.00	5.91
13 S	1,2-Dichloroethane-d4	0.430	0.415	3.5	100	0.00	6.04
14	1,2-Dichloroethane	0.126	0.123	2.4	101	0.00	6.12
15	Trichloroethene	0.075	0.074	1.3	106	0.00	6.53
16	1,2-Dichloropropane	0.084	0.082	2.4	104	0.00	7.05
17	cis-1,3-Dichloropropene	0.067	0.069	-3.0	104	0.00	7.76
18 I	Chlorobenzene-d5	1.000	1.000	0.0	103	0.00	9.51
19 S	Toluene-d8	1.104	1.106	-0.2	103	0.00	7.94
	----- Amount	Calc.	%Drift	-----			
20	trans-1,3-Dichloropropene	10.000	10.426	-4.3	102	0.00	8.42
	----- AvgRF	CCRF	%Dev	-----			
21	Tetrachloroethene	0.113	0.114	-0.9	108	0.00	8.41
22	1,4-Dichlorobenzene	0.256	0.270	-5.5	110	0.00	11.90
	----- Amount	Calc.	%Drift	-----			
23	1,2-Dibromo-3-Chloropropa	10.000	9.069	9.3	91	0.00	13.17

Continuing Calibration Summary

Job Number: FC18255
 Account: AHTNACAS Ahtna Global, LLC
 Project: Fort Ord Groundwater Monitoring

Sample: VN6710-ECC6705
 Lab FileID: N0132340.D

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\data\08-28-24\N0132340.D Vial: 28
 Acq On : 28 Aug 2024 8:06 pm Operator: jeniferw
 Sample : ECC6705-5 Inst : MSVOA6-N
 Misc : MS57378,VN6710,,,,, Multiplr: 1.00
 MS Integration Params: rteint.p

Method : C:\msdchem\1\met..._VN6705_082024.M (RTE Integrator)
 Title : Standard Methods 6200B
 Last Update : Tue Aug 20 14:01:28 2024
 Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 50% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1 I	Fluorobenzene	1.000	1.000	0.0	95	0.00	6.34
	----- Amount	Calc.	%Drift	-----			
2	Vinyl Chloride	10.000	15.113	-51.1#	145	0.00	2.06
3	Chloromethane	10.000	12.309	-23.1	115	0.00	1.98
	----- AvgRF	CCRF	%Dev	-----			
4	1,1-Dichloroethene	0.147	0.137	6.8	95	0.00	3.15
	----- Amount	Calc.	%Drift	-----			
5	Methylene Chloride	10.000	20.888	-108.9#	166	0.00	3.71
	----- AvgRF	CCRF	%Dev	-----			
6	trans-1,2-Dichloroethene	0.123	0.121	1.6	99	0.00	3.88
7	1,1-Dichloroethane	0.165	0.166	-0.6	101	0.00	4.49
8	cis-1,2-Dichloroethene	0.072	0.071	1.4	102	0.00	5.04
	----- Amount	Calc.	%Drift	-----			
9	Chloroform	10.000	10.083	-0.8	102	0.00	5.30
	----- AvgRF	CCRF	%Dev	-----			
10	Carbon Tetrachloride	0.075	0.066	12.0	90	0.00	5.47
11	1,1,1-Trichloroethane	0.106	0.103	2.8	98	0.00	5.52
12	Benzene	0.267	0.269	-0.7	102	0.00	5.91
13 S	1,2-Dichloroethane-d4	0.430	0.434	-0.9	98	0.00	6.04
14	1,2-Dichloroethane	0.126	0.131	-4.0	101	0.00	6.12
15	Trichloroethene	0.075	0.075	0.0	102	0.00	6.53
16	1,2-Dichloropropane	0.084	0.084	0.0	100	0.00	7.05
17	cis-1,3-Dichloropropene	0.067	0.063	6.0	89	0.00	7.76
18 I	Chlorobenzene-d5	1.000	1.000	0.0	95	0.00	9.51
19 S	Toluene-d8	1.104	1.107	-0.3	95	0.00	7.94
	----- Amount	Calc.	%Drift	-----			
20	trans-1,3-Dichloropropene	10.000	9.670	3.3	86	0.00	8.42
	----- AvgRF	CCRF	%Dev	-----			
21	Tetrachloroethene	0.113	0.114	-0.9	99	0.00	8.41
22	1,4-Dichlorobenzene	0.256	0.276	-7.8	103	0.00	11.91
	----- Amount	Calc.	%Drift	-----			
23	1,2-Dibromo-3-Chloropropa	10.000	9.542	4.6	89	0.00	13.18

Run Sequence Report

Job Number: FC18255
Account: AHTNACAS Ahtna Global, LLC
Project: Fort Ord Groundwater Monitoring

Run ID: VN6705	Method: SW846 8260D BY SIM	Instrument ID: GCMSN
-----------------------	-----------------------------------	-----------------------------

Lab Sample ID	Lab File ID	Date/Time Analyzed	Prep QC Batch	Client Sample ID
VN6705-BFB	N0132197.D	08/20/24 09:04	n/a	BFB Tune
VN6705-IC6705	N0132200.D	08/20/24 10:17	n/a	Initial cal 3
VN6705-IC6705	N0132201.D	08/20/24 10:41	n/a	Initial cal 4
VN6705-ICC6705	N0132202.D	08/20/24 11:04	n/a	Initial cal 5
VN6705-IC6705	N0132203.D	08/20/24 11:28	n/a	Initial cal 6
VN6705-IC6705	N0132204.D	08/20/24 11:51	n/a	Initial cal 7
VN6705-IC6705	N0132207.D	08/20/24 13:05	n/a	Initial cal 1
VN6705-IC6705	N0132208.D	08/20/24 13:28	n/a	Initial cal 2
VN6705-ICV6705	N0132209.D	08/20/24 13:52	n/a	Initial cal verification 5

Run Sequence Report

Job Number: FC18255
Account: AHTNACAS Ahtna Global, LLC
Project: Fort Ord Groundwater Monitoring

Run ID: VN6710 **Method:** SW846 8260D BY SIM **Instrument ID:** GCMSN

Lab Sample ID	Lab File ID	Date/Time Analyzed	Prep QC Batch	Client Sample ID
VN6710-BFB	N0132313.D	08/28/24 08:53	n/a	BFB Tune
VN6710-CC6705	N0132314.D	08/28/24 09:18	n/a	Continuing cal 5
VN6710-BS	N0132315.D	08/28/24 09:43	n/a	Blank Spike
VN6710-MB	N0132317.D	08/28/24 10:32	n/a	Method Blank
ZZZZZZ	N0132318.D	08/28/24 10:56	n/a	(unrelated sample)
FC18255-5	N0132319.D	08/28/24 11:21	n/a	2434Y0BW197C
FC18255-1	N0132320.D	08/28/24 11:45	n/a	2434Y0BW214A
FC18255-2	N0132321.D	08/28/24 12:10	n/a	2434Y0BW085F
FC18255-3	N0132322.D	08/28/24 12:35	n/a	2434YOU2122F
FC18255-4	N0132323.D	08/28/24 13:00	n/a	2434YOU2069F
ZZZZZZ	N0132324.D	08/28/24 13:25	n/a	(unrelated sample)
ZZZZZZ	N0132325.D	08/28/24 13:49	n/a	(unrelated sample)
ZZZZZZ	N0132326.D	08/28/24 14:14	n/a	(unrelated sample)
ZZZZZZ	N0132327.D	08/28/24 14:40	n/a	(unrelated sample)
ZZZZZZ	N0132328.D	08/28/24 15:05	n/a	(unrelated sample)
ZZZZZZ	N0132329.D	08/28/24 15:30	n/a	(unrelated sample)
ZZZZZZ	N0132330.D	08/28/24 15:55	n/a	(unrelated sample)
ZZZZZZ	N0132331.D	08/28/24 16:20	n/a	(unrelated sample)
ZZZZZZ	N0132332.D	08/28/24 16:46	n/a	(unrelated sample)
ZZZZZZ	N0132333.D	08/28/24 17:11	n/a	(unrelated sample)
ZZZZZZ	N0132334.D	08/28/24 17:36	n/a	(unrelated sample)
ZZZZZZ	N0132335.D	08/28/24 18:01	n/a	(unrelated sample)
ZZZZZZ	N0132336.D	08/28/24 18:26	n/a	(unrelated sample)
ZZZZZZ	N0132337.D	08/28/24 18:51	n/a	(unrelated sample)
FC18255-2MS	N0132338.D	08/28/24 19:16	n/a	Matrix Spike
FC18255-2MSD	N0132339.D	08/28/24 19:41	n/a	Matrix Spike Duplicate
VN6710-ECC6705	N0132340.D	08/28/24 20:06	n/a	Ending cal 5

MS Volatiles

Raw Data

7

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\08-28-24\
 Data File : N0132320.D
 Acq On : 28 Aug 2024 11:45 am
 Operator : jeniferw
 Sample : FC18255-1
 Misc : MS57378,VN6710,,,,,
 ALS Vial : 8 Sample Multiplier: 1

Quant Time: Aug 29 09:02:16 2024
 Quant Method : C:\msdchem\1\methods\SIMCL_VN6705_082024.M
 Quant Title : Standard Methods 6200B
 QLast Update : Tue Aug 20 14:01:28 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	Qvalue

Internal Standards							
1) Fluorobenzene	6.341	96	44264	5.00	ug/L	0.00	
18) Chlorobenzene-d5	9.514	117	28002	5.00	ug/L	0.00	
System Monitoring Compounds							
13) 1,2-Dichloroethane-d4	6.041	65	20471	5.38	ug/L	0.00	
Spiked Amount	5.000	Range 74 - 125	Recovery	=	107.60%		
19) Toluene-d8	7.951	98	32670	5.29	ug/L	0.00	
Spiked Amount	5.000	Range 88 - 111	Recovery	=	105.80%		
Target Compounds							
3) Chloromethane	1.977	50	529	0.40	ug/L	98	
5) Methylene Chloride	3.712	49	2037	0.99	ug/L	95	

(#) = qualifier out of range (m) = manual integration (+) = signals summed

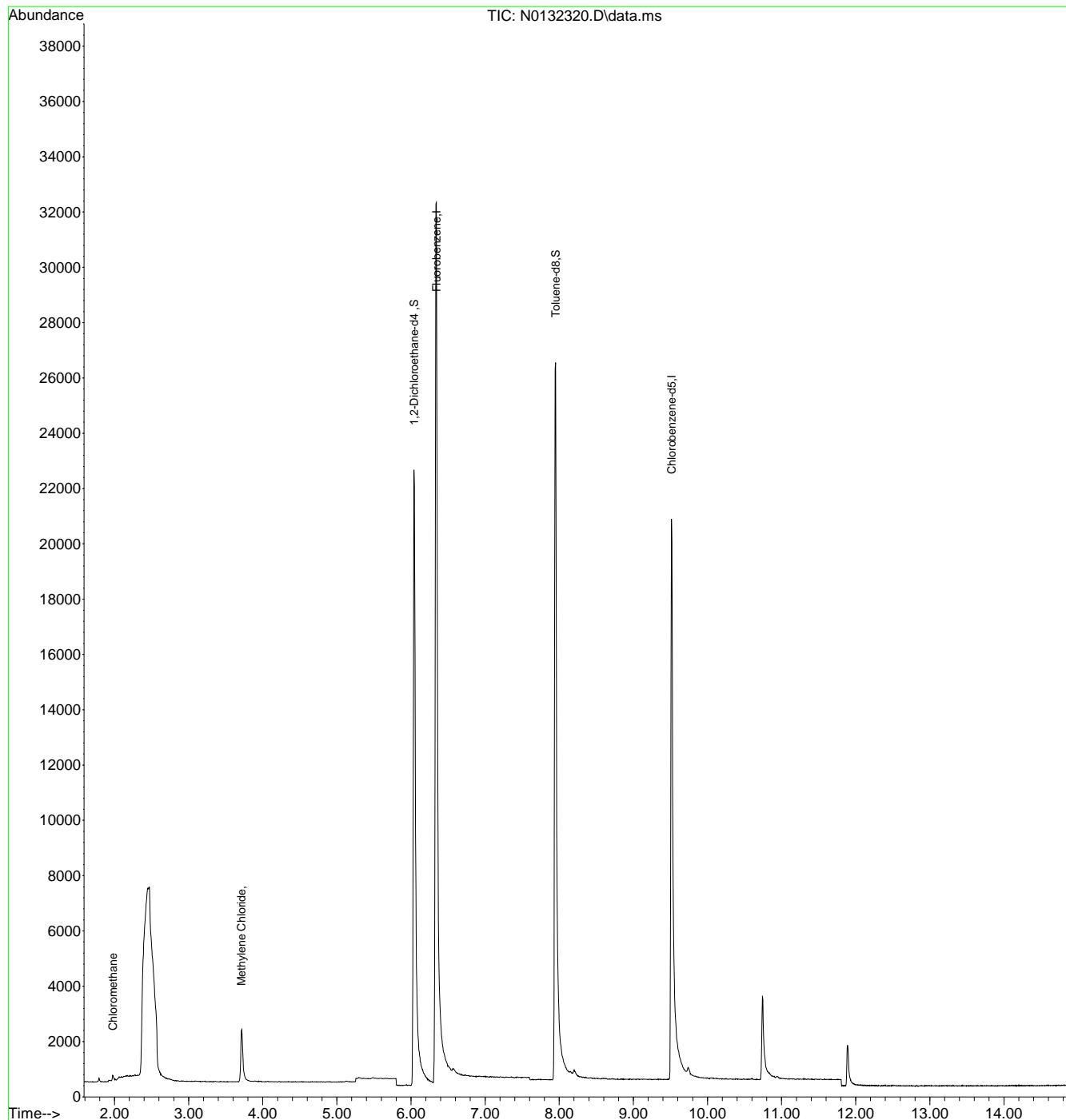
7.1.1
7



Quantitation Report (QT Reviewed)

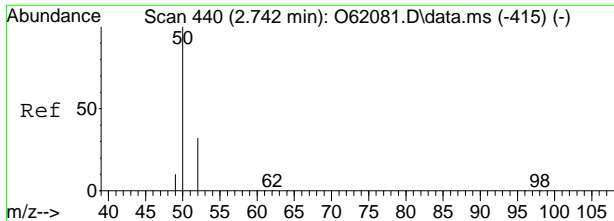
Data Path : C:\msdchem\1\data\08-28-24\
Data File : N0132320.D
Acq On : 28 Aug 2024 11:45 am
Operator : jeniferw
Sample : FC18255-1
Misc : MS57378,VN6710,,,,,
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Aug 29 09:02:16 2024
Quant Method : C:\msdchem\1\methods\SIMCL_VN6705_082024.M
Quant Title : Standard Methods 6200B
QLast Update : Tue Aug 20 14:01:28 2024
Response via : Initial Calibration



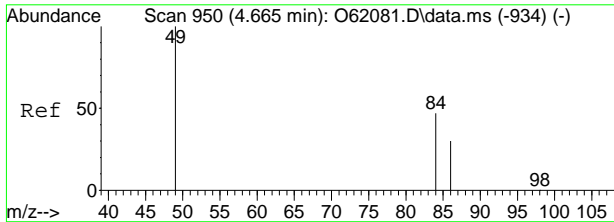
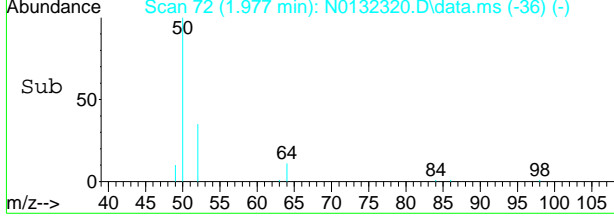
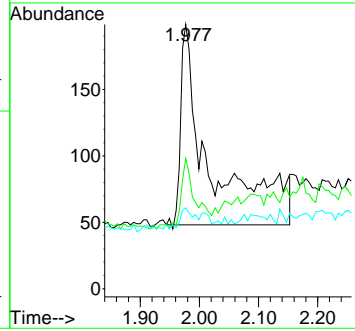
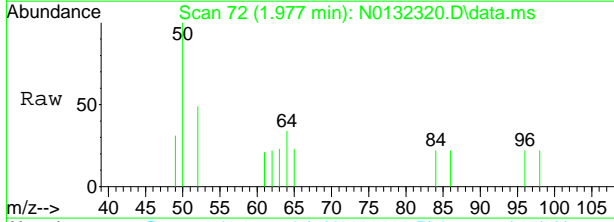
7.1.1
7





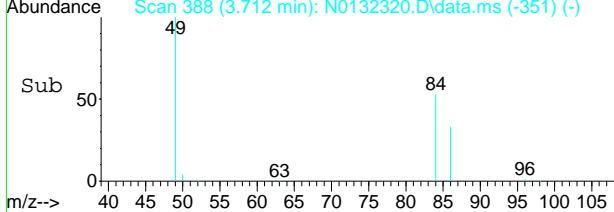
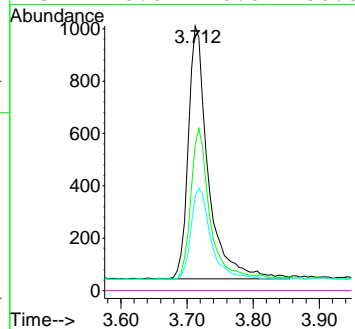
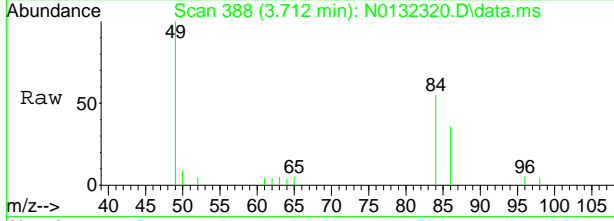
#3
 Chloromethane
 Concen: 0.40 ug/L
 RT: 1.977 min Scan# 72
 Delta R.T. -0.005 min
 Lab File: N0132320.D
 Acq: 28 Aug 2024 11:45 am

Tgt Ion	Ratio	Lower	Upper
50	100		
52	33.1	2.1	62.1
49	8.6	0.0	39.6



#5
 Methylene Chloride
 Concen: 0.99 ug/L
 RT: 3.712 min Scan# 388
 Delta R.T. 0.000 min
 Lab File: N0132320.D
 Acq: 28 Aug 2024 11:45 am

Tgt Ion	Ratio	Lower	Upper
49	100		
84	53.5	20.0	80.0
86	32.7	0.4	60.4
51	0.0	0.0	30.0



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\08-28-24\
 Data File : N0132321.D
 Acq On : 28 Aug 2024 12:10 pm
 Operator : jeniferw
 Sample : FC18255-2
 Misc : MS57378,VN6710,,,,,
 ALS Vial : 9 Sample Multiplier: 1

Quant Time: Aug 29 09:03:36 2024
 Quant Method : C:\msdchem\1\methods\SIMCL_VN6705_082024.M
 Quant Title : Standard Methods 6200B
 QLast Update : Tue Aug 20 14:01:28 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	

Internal Standards							
1) Fluorobenzene	6.341	96	43616	5.00	ug/L	0.00	
18) Chlorobenzene-d5	9.514	117	27624	5.00	ug/L	0.00	
System Monitoring Compounds							
13) 1,2-Dichloroethane-d4	6.045	65	20199	5.38	ug/L	0.00	
Spiked Amount	5.000	Range	74 - 125	Recovery	=	107.60%	
19) Toluene-d8	7.951	98	32029	5.25	ug/L	0.00	
Spiked Amount	5.000	Range	88 - 111	Recovery	=	105.00%	
Target Compounds							
3) Chloromethane	1.977	50	547	0.42	ug/L		Qvalue 97
5) Methylene Chloride	3.712	49	2061	1.02	ug/L		95
8) cis-1,2-Dichloroethene	5.052	96	547	0.87	ug/L		92
9) Chloroform	5.303	83	404m	0.25	ug/L		
15) Trichloroethene	6.531	95	5486	8.37	ug/L		98
21) Tetrachloroethene	8.418	166	659	1.06	ug/L #		94

(#) = qualifier out of range (m) = manual integration (+) = signals summed

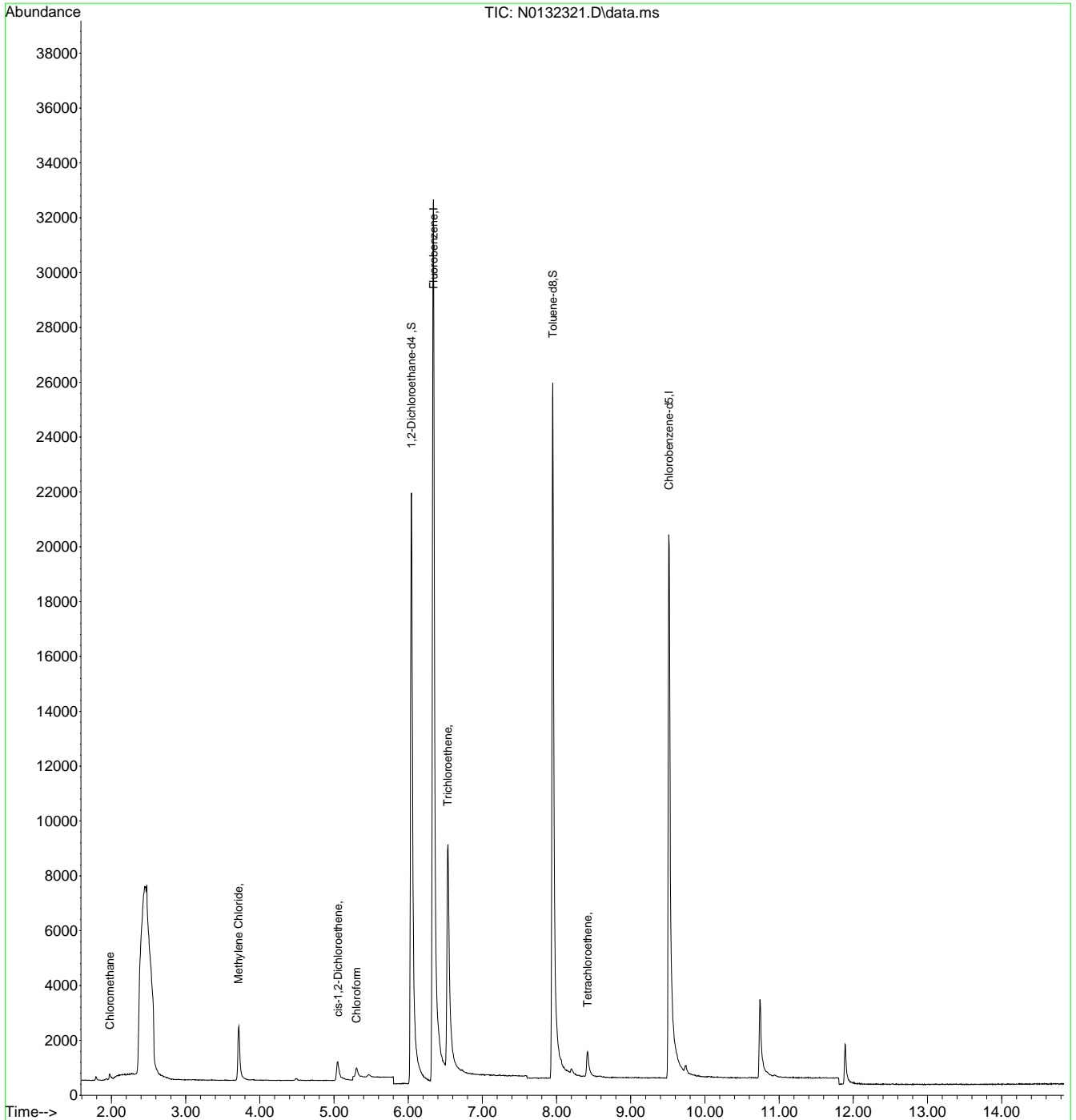
7.12
7

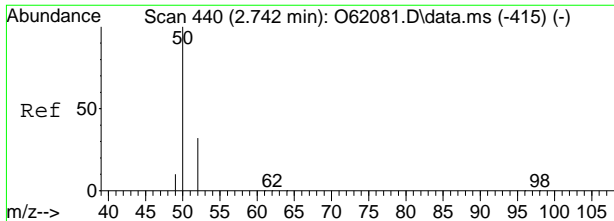


Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\08-28-24\
Data File : N0132321.D
Acq On : 28 Aug 2024 12:10 pm
Operator : jeniferw
Sample : FC18255-2
Misc : MS57378,VN6710,,,,,
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Aug 29 09:03:36 2024
Quant Method : C:\msdchem\1\methods\SIMCL_VN6705_082024.M
Quant Title : Standard Methods 6200B
QLast Update : Tue Aug 20 14:01:28 2024
Response via : Initial Calibration

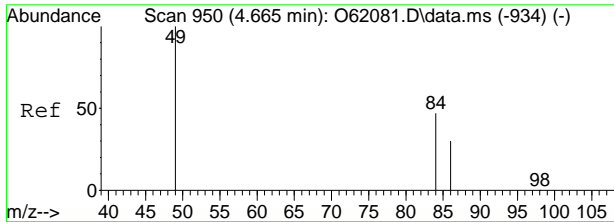
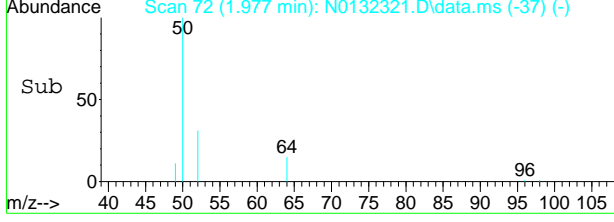
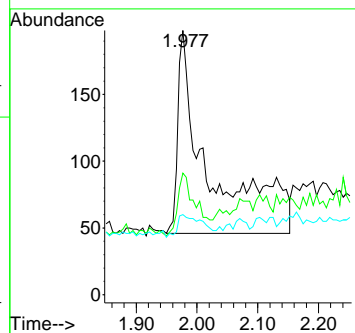
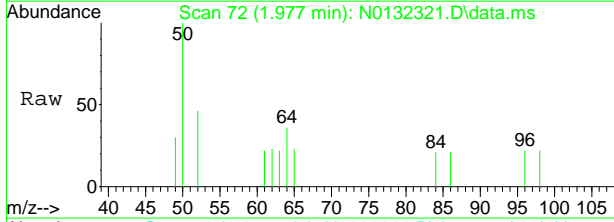




#3
 Chloromethane
 Concen: 0.42 ug/L
 RT: 1.977 min Scan# 72
 Delta R.T. -0.005 min
 Lab File: N0132321.D
 Acq: 28 Aug 2024 12:10 pm

Tgt Ion: 50 Resp: 547

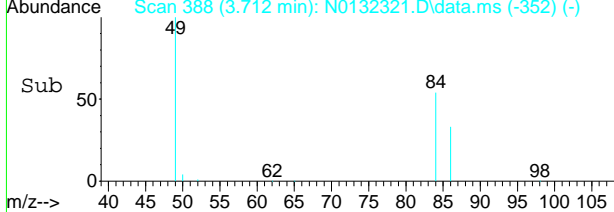
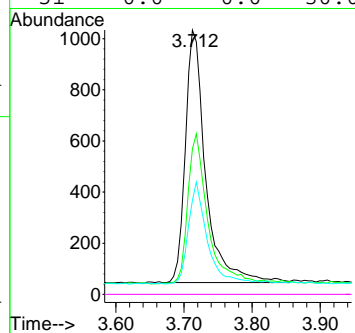
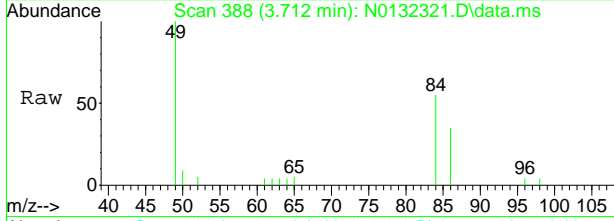
Ion	Ratio	Lower	Upper
50	100		
52	30.9	2.1	62.1
49	11.2	0.0	39.6



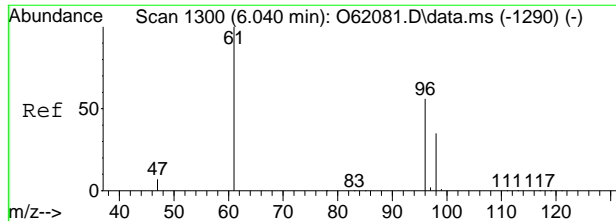
#5
 Methylene Chloride
 Concen: 1.02 ug/L
 RT: 3.712 min Scan# 388
 Delta R.T. 0.000 min
 Lab File: N0132321.D
 Acq: 28 Aug 2024 12:10 pm

Tgt Ion: 49 Resp: 2061

Ion	Ratio	Lower	Upper
49	100		
84	53.1	20.0	80.0
86	33.0	0.4	60.4
51	0.0	0.0	30.0

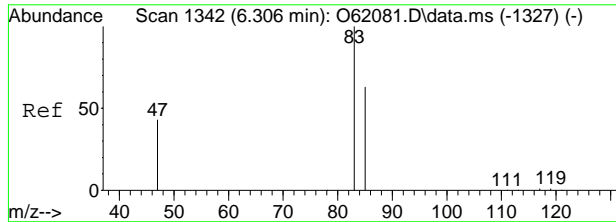
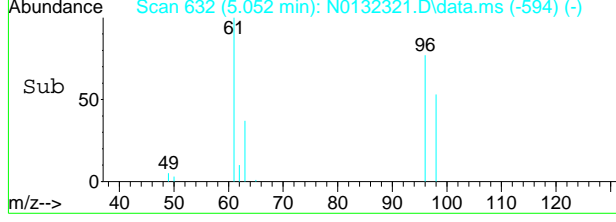
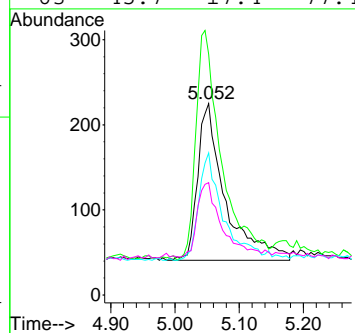
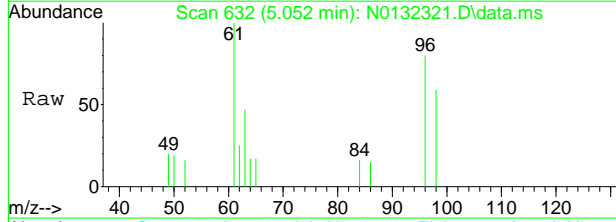


7.12
7



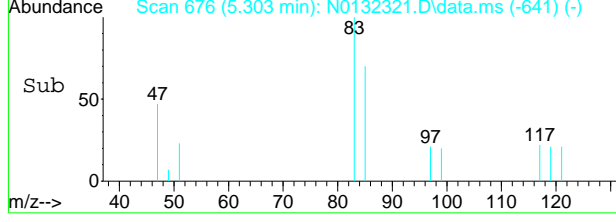
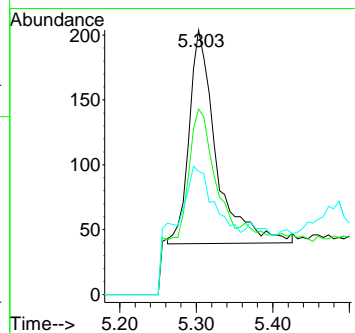
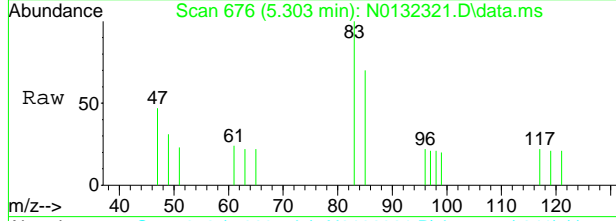
#8
 cis-1,2-Dichloroethene
 Concen: 0.87 ug/L
 RT: 5.052 min Scan# 632
 Delta R.T. 0.010 min
 Lab File: N0132321.D
 Acq: 28 Aug 2024 12:10 pm

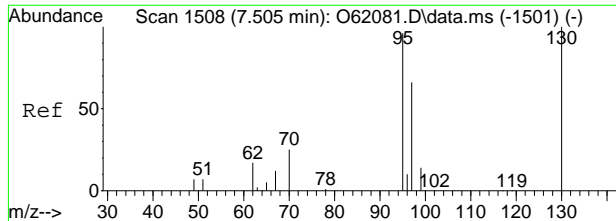
Tgt Ion	Resp	Lower	Upper
96	547		
96	100		
61	129.9	113.6	173.6
98	68.5	35.4	95.4
63	45.7	17.4	77.4



#9
 Chloroform
 Concen: 0.25 ug/L m
 RT: 5.303 min Scan# 676
 Delta R.T. 0.000 min
 Lab File: N0132321.D
 Acq: 28 Aug 2024 12:10 pm

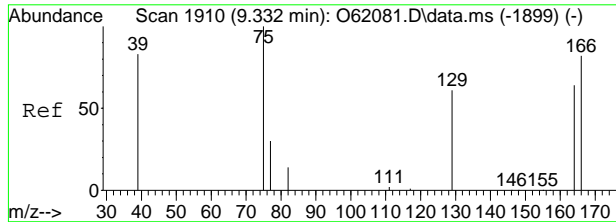
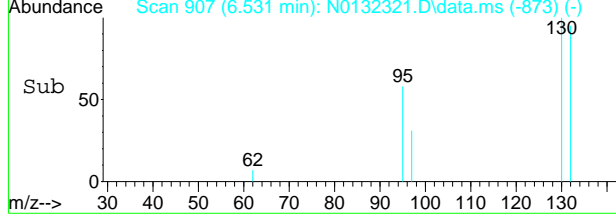
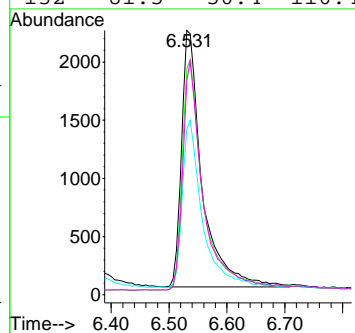
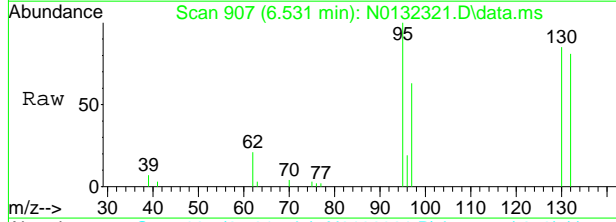
Tgt Ion	Resp	Lower	Upper
83	404		
83	100		
85	70.1	36.3	96.3
47	46.6	2.6	62.6





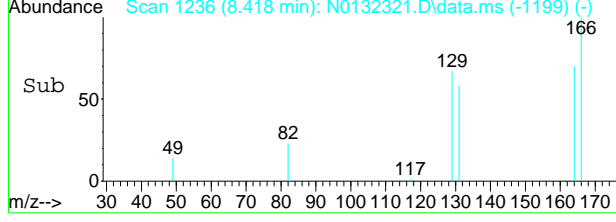
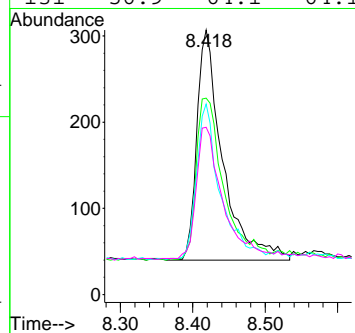
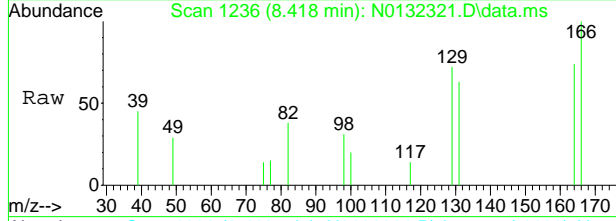
#15
Trichloroethene
Concen: 8.37 ug/L
RT: 6.531 min Scan# 907
Delta R.T. -0.000 min
Lab File: N0132321.D
Acq: 28 Aug 2024 12:10 pm

Tgt Ion	Resp	Lower	Upper
95	5486		
130	86.0	55.7	115.7
97	61.8	36.4	96.4
132	81.5	50.4	110.4



#21
Tetrachloroethene
Concen: 1.06 ug/L
RT: 8.418 min Scan# 1236
Delta R.T. 0.005 min
Lab File: N0132321.D
Acq: 28 Aug 2024 12:10 pm

Tgt Ion	Resp	Lower	Upper
166	659		
164	70.4	45.4	105.4
129	67.4	34.0	94.0
131	56.9	64.1	64.1#



Manual Integration Approval Summary

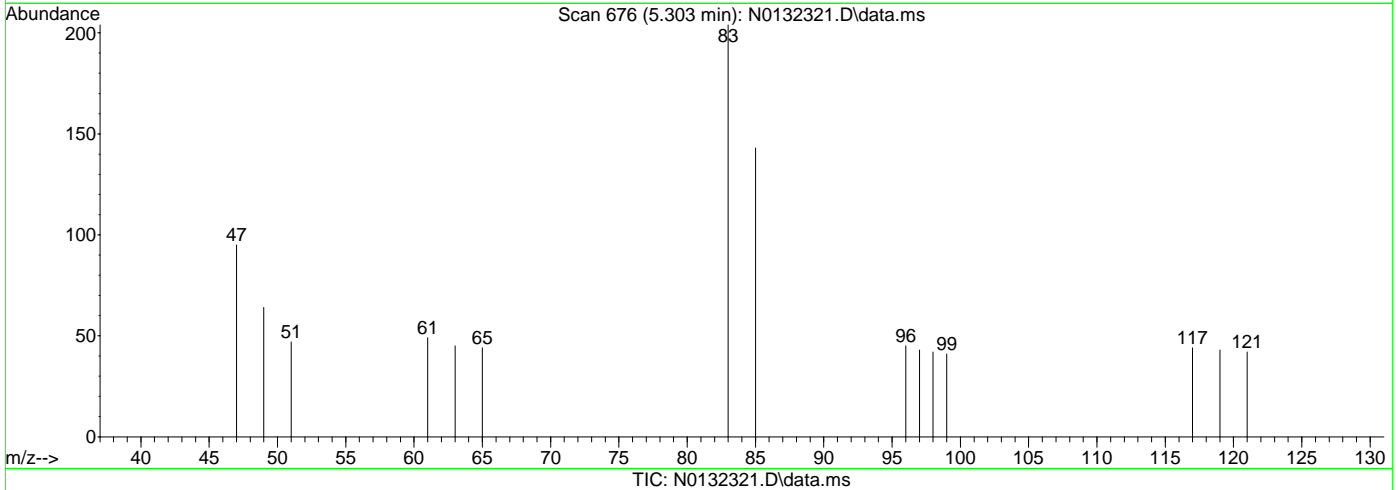
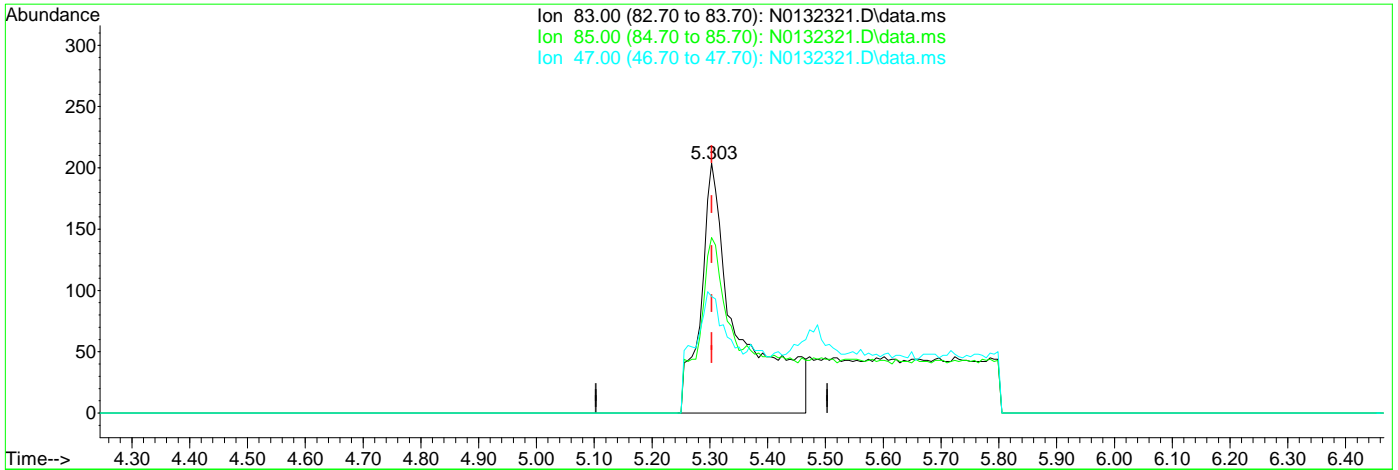
Sample Number: FC18255-2 **Method:** SW846 8260D BY SIM
Lab FileID: N0132321.D **Analyst approved:** 08/29/24 11:30 Jenifer Willis
Injection Time: 08/28/24 12:10 **Supervisor approved:** 08/29/24 12:22 Karen Watson

Parameter	CAS	Sig#	R.T. (min.)	Reason
Chloroform	67-66-3		5.30	Poorly defined baseline

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\08-28-24\
 Data File : N0132321.D
 Acq On : 28 Aug 2024 12:10 pm
 Operator : jeniferw
 Sample : FC18255-2
 Misc : MS57378,VN6710,,,,,
 ALS Vial : 9 Sample Multiplier: 1

Quant Time: Aug 29 05:52:10 2024
 Quant Method : C:\msdchem\1\methods\SIMCL_VN6705_082024.M
 Quant Title : Standard Methods 6200B
 QLast Update : Tue Aug 20 14:01:28 2024
 Response via : Initial Calibration



(9) Chloroform

5.303min (+0.000) 0.56ug/L

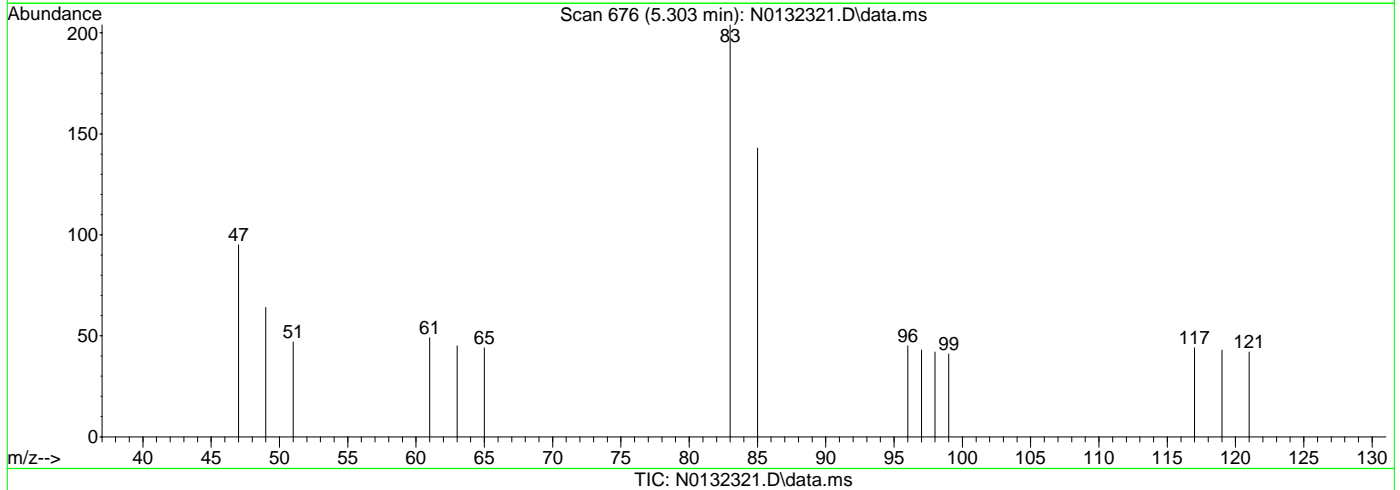
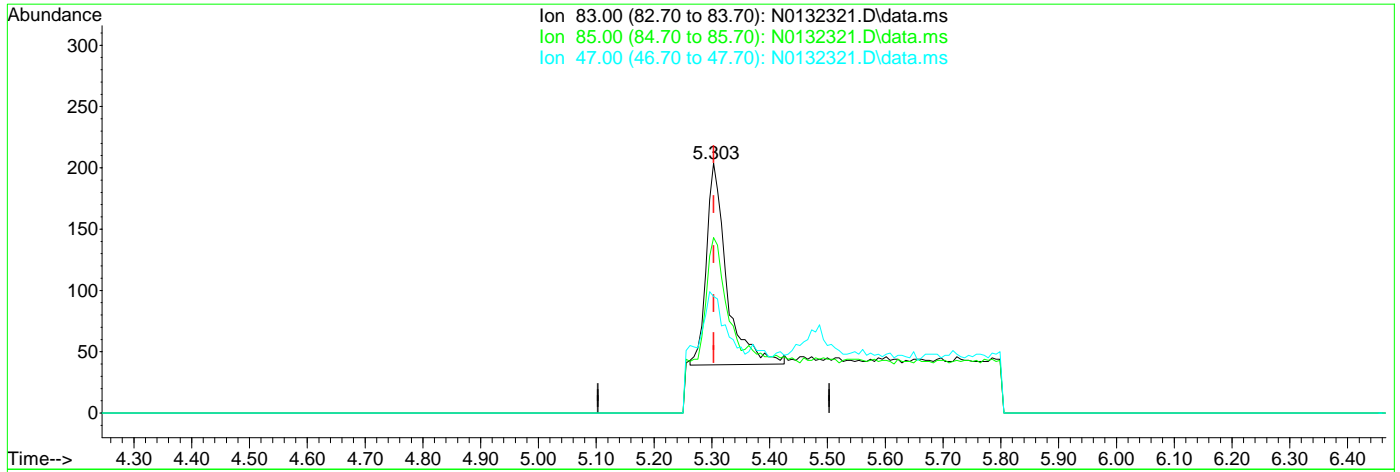
response 921

Ion	Exp%	Act%
83.00	100	100
85.00	66.30	70.10
47.00	32.60	46.57
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\08-28-24\
 Data File : N0132321.D
 Acq On : 28 Aug 2024 12:10 pm
 Operator : jeniferw
 Sample : FC18255-2
 Misc : MS57378,VN6710,,,,,
 ALS Vial : 9 Sample Multiplier: 1

Quant Time: Aug 29 05:52:10 2024
 Quant Method : C:\msdchem\1\methods\SIMCL_VN6705_082024.M
 Quant Title : Standard Methods 6200B
 QLast Update : Tue Aug 20 14:01:28 2024
 Response via : Initial Calibration



(9) Chloroform

5.303min (+0.000) 0.25ug/L m

response 404

Ion	Exp%	Act%
83.00	100	100
85.00	66.30	70.10
47.00	32.60	46.57
0.00	0.00	0.00



7.1.2.3
7

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\08-28-24\
 Data File : N0132322.D
 Acq On : 28 Aug 2024 12:35 pm
 Operator : jeniferw
 Sample : FC18255-3
 Misc : MS57378,VN6710,,,,,
 ALS Vial : 10 Sample Multiplier: 1

Quant Time: Aug 29 09:03:58 2024
 Quant Method : C:\msdchem\1\methods\SIMCL_VN6705_082024.M
 Quant Title : Standard Methods 6200B
 QLast Update : Tue Aug 20 14:01:28 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	

Internal Standards							
1) Fluorobenzene	6.341	96	43526	5.00	ug/L	0.00	
18) Chlorobenzene-d5	9.519	117	27449	5.00	ug/L	0.00	
System Monitoring Compounds							
13) 1,2-Dichloroethane-d4	6.041	65	20304	5.42	ug/L	0.00	
Spiked Amount	5.000	Range 74 - 125	Recovery	=	108.40%		
19) Toluene-d8	7.951	98	32096	5.30	ug/L	0.00	
Spiked Amount	5.000	Range 88 - 111	Recovery	=	106.00%		
Target Compounds							
							Qvalue
3) Chloromethane	1.977	50	552	0.43	ug/L		97
5) Methylene Chloride	3.712	49	2156	1.07	ug/L		93
8) cis-1,2-Dichloroethene	5.047	96	177	0.28	ug/L		87
9) Chloroform	5.303	83	202m	0.12	ug/L		
15) Trichloroethene	6.543	95	1541	2.35	ug/L		98
21) Tetrachloroethene	8.424	166	234	0.38	ug/L #		95

(#) = qualifier out of range (m) = manual integration (+) = signals summed

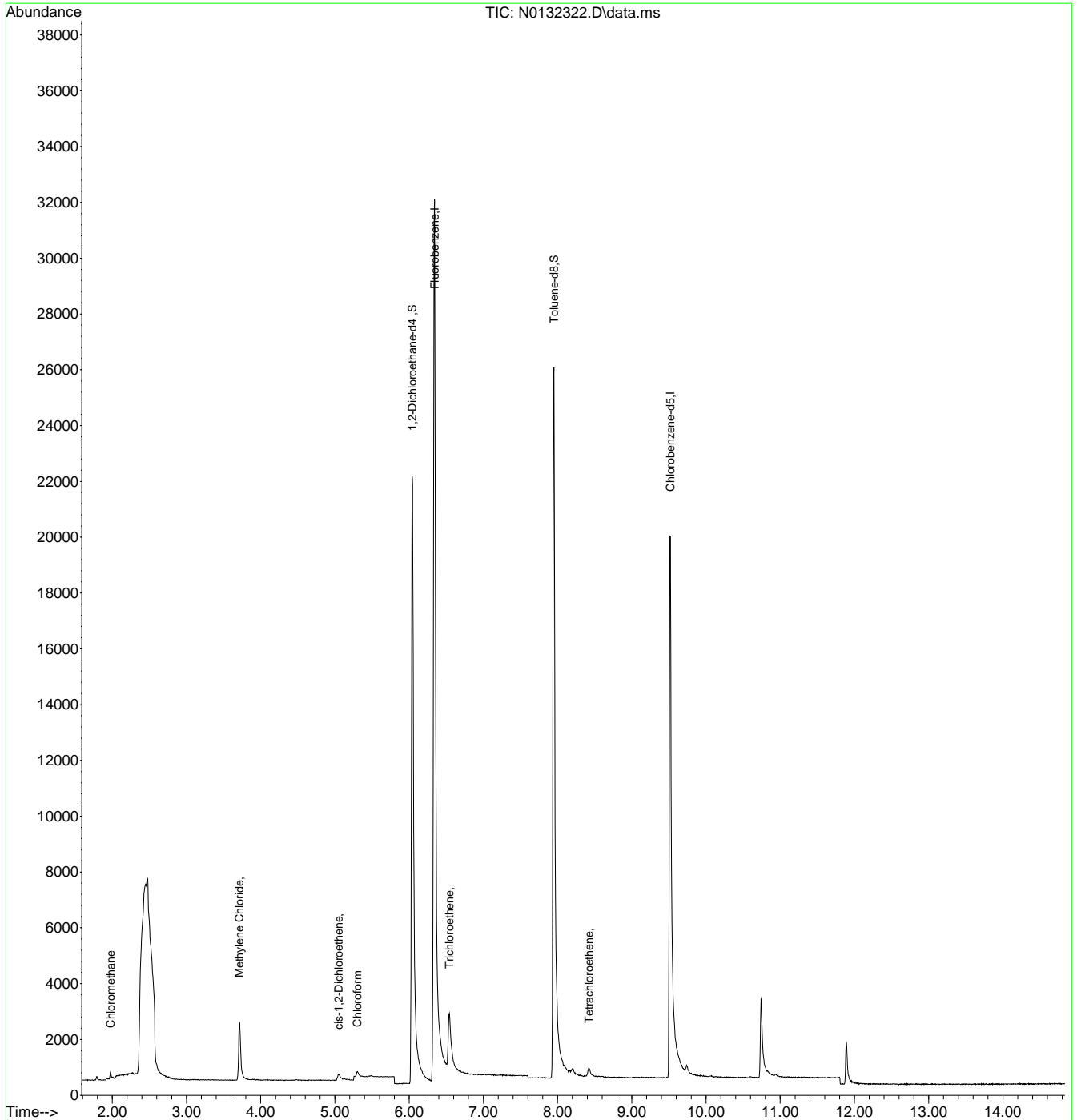
7.1.3
7



Quantitation Report (QT Reviewed)

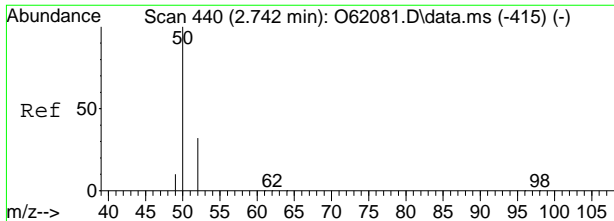
Data Path : C:\msdchem\1\data\08-28-24\
 Data File : N0132322.D
 Acq On : 28 Aug 2024 12:35 pm
 Operator : jeniferw
 Sample : FC18255-3
 Misc : MS57378,VN6710,,,,,
 ALS Vial : 10 Sample Multiplier: 1

Quant Time: Aug 29 09:03:58 2024
 Quant Method : C:\msdchem\1\methods\SIMCL_VN6705_082024.M
 Quant Title : Standard Methods 6200B
 QLast Update : Tue Aug 20 14:01:28 2024
 Response via : Initial Calibration



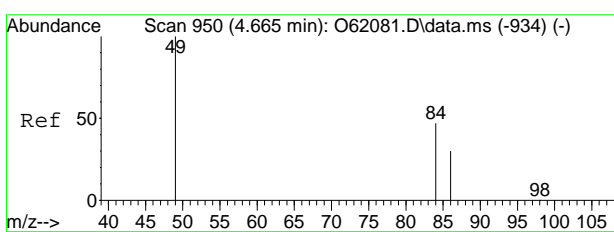
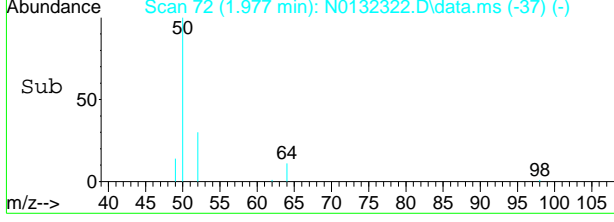
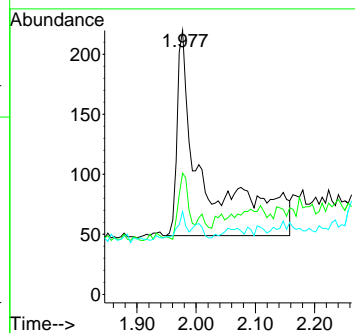
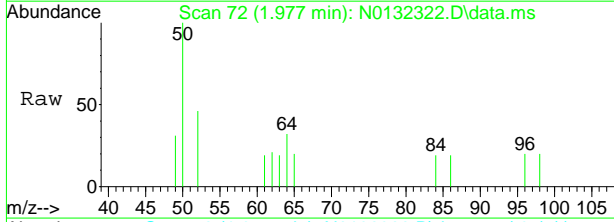
7.1.3
7





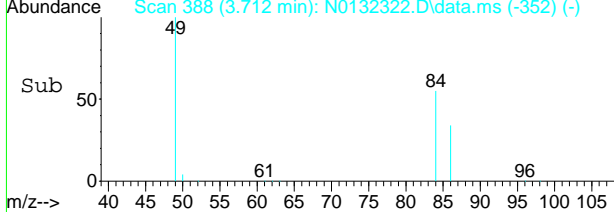
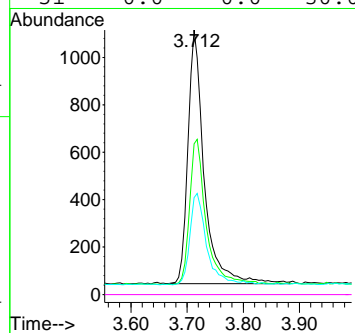
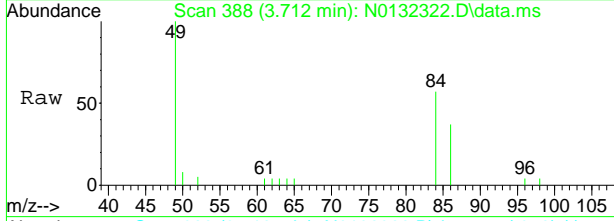
#3
 Chloromethane
 Concen: 0.43 ug/L
 RT: 1.977 min Scan# 72
 Delta R.T. -0.005 min
 Lab File: N0132322.D
 Acq: 28 Aug 2024 12:35 pm

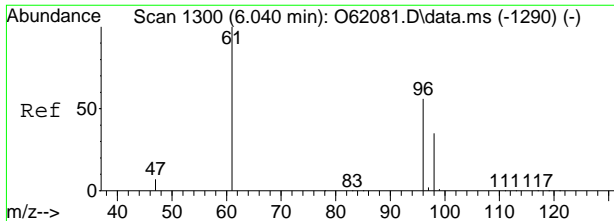
Tgt Ion	Ratio	Lower	Upper
50	100		
52	31.0	2.1	62.1
49	12.3	0.0	39.6



#5
 Methylene Chloride
 Concen: 1.07 ug/L
 RT: 3.712 min Scan# 388
 Delta R.T. 0.000 min
 Lab File: N0132322.D
 Acq: 28 Aug 2024 12:35 pm

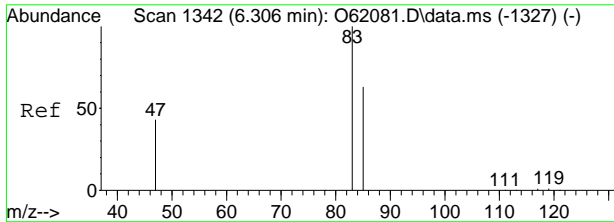
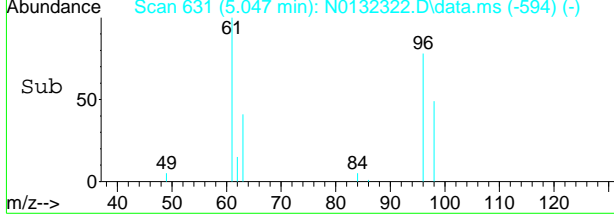
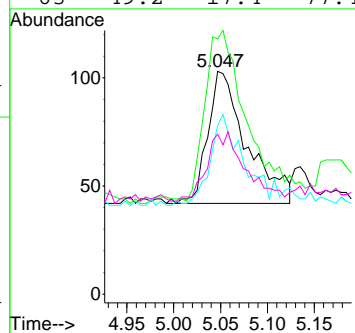
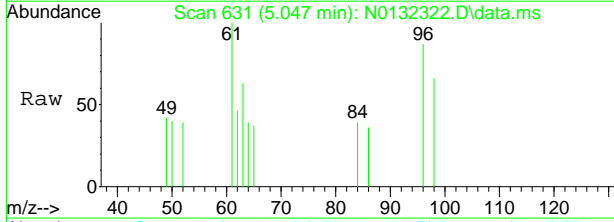
Tgt Ion	Ratio	Lower	Upper
49	100		
84	55.3	20.0	80.0
86	34.2	0.4	60.4
51	0.0	0.0	30.0





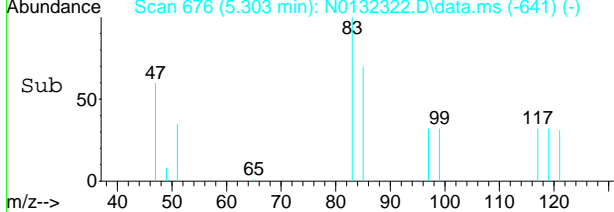
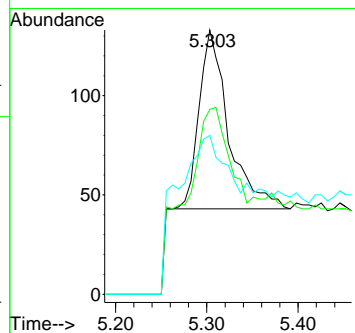
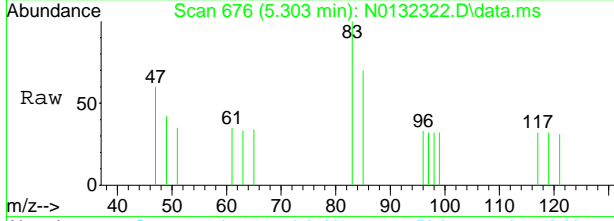
#8
 cis-1,2-Dichloroethene
 Concen: 0.28 ug/L
 RT: 5.047 min Scan# 631
 Delta R.T. 0.005 min
 Lab File: N0132322.D
 Acq: 28 Aug 2024 12:35 pm

Tgt Ion	Ratio	Lower	Upper
96	100		
61	119.7	113.6	173.6
98	60.7	35.4	95.4
63	49.2	17.4	77.4

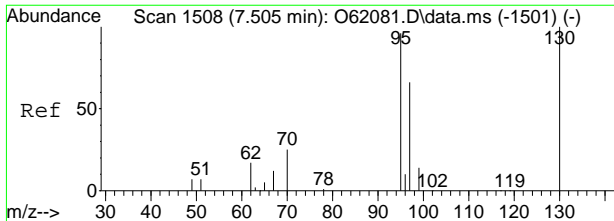


#9
 Chloroform
 Concen: 0.12 ug/L m
 RT: 5.303 min Scan# 676
 Delta R.T. 0.000 min
 Lab File: N0132322.D
 Acq: 28 Aug 2024 12:35 pm

Tgt Ion	Ratio	Lower	Upper
83	100		
85	69.9	36.3	96.3
47	60.2	2.6	62.6

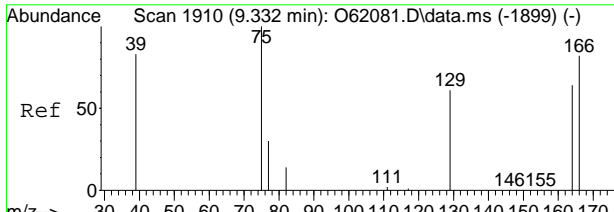
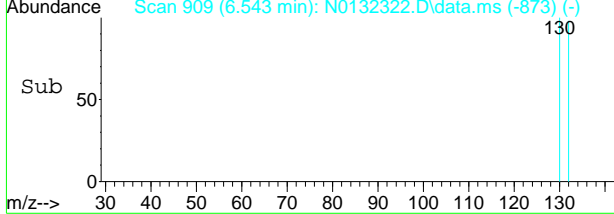
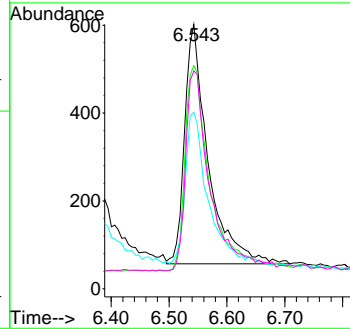
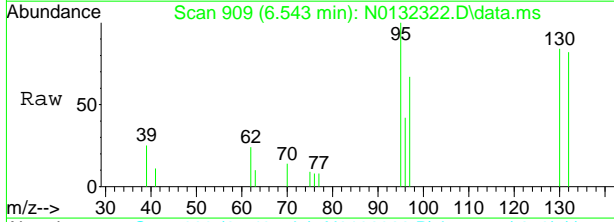


7.1.3
 7



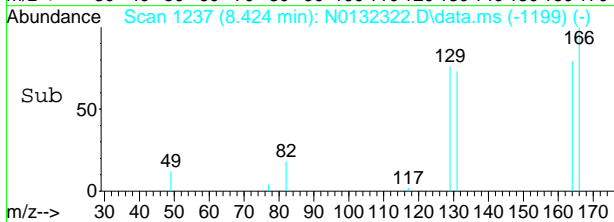
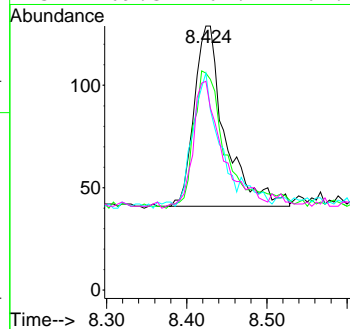
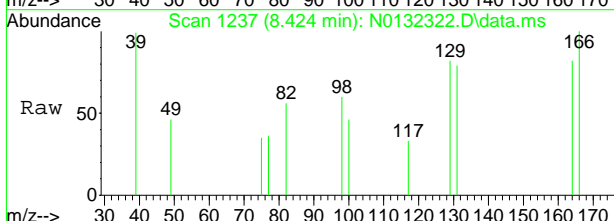
#15
 Trichloroethene
 Concen: 2.35 ug/L
 RT: 6.543 min Scan# 909
 Delta R.T. 0.012 min
 Lab File: N0132322.D
 Acq: 28 Aug 2024 12:35 pm

Tgt Ion	Resp	Lower	Upper
95	1541		
130	85.7	55.7	115.7
97	63.9	36.4	96.4
132	83.5	50.4	110.4



#21
 Tetrachloroethene
 Concen: 0.38 ug/L
 RT: 8.424 min Scan# 1237
 Delta R.T. 0.011 min
 Lab File: N0132322.D
 Acq: 28 Aug 2024 12:35 pm

Tgt Ion	Resp	Lower	Upper
166	234		
164	75.0	45.4	105.4
129	71.6	34.0	94.0
131	69.3	64.1	64.1#



7.1.3
7

Manual Integration Approval Summary

Sample Number: FC18255-3 **Method:** SW846 8260D BY SIM
Lab FileID: N0132322.D **Analyst approved:** 08/29/24 11:30 Jenifer Willis
Injection Time: 08/28/24 12:35 **Supervisor approved:** 08/29/24 12:22 Karen Watson

Parameter	CAS	Sig#	R.T. (min.)	Reason
Chloroform	67-66-3		5.30	Poorly defined baseline

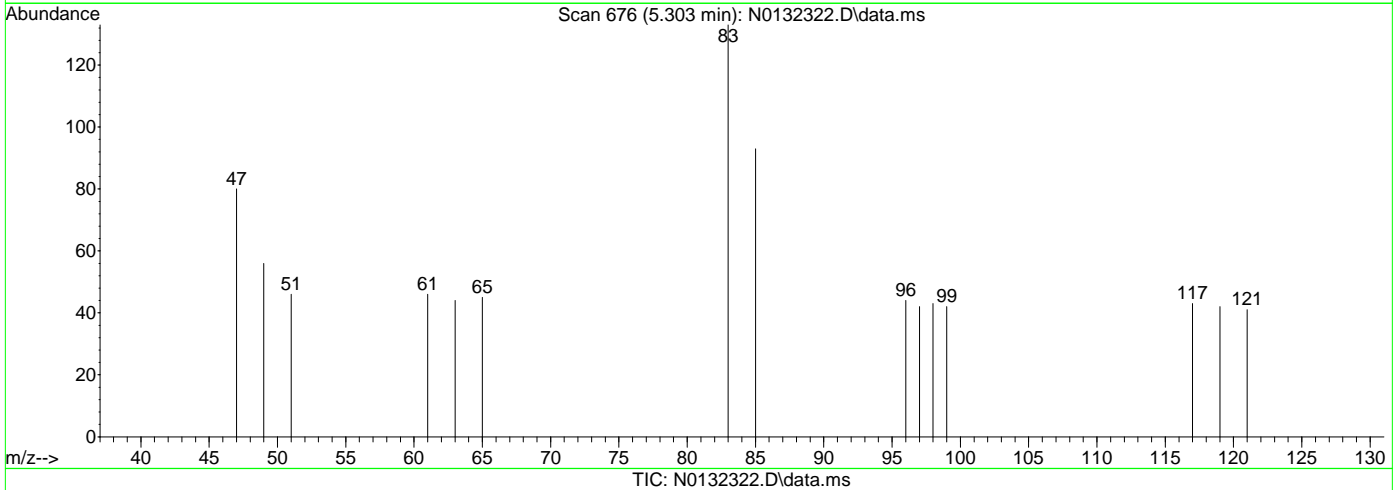
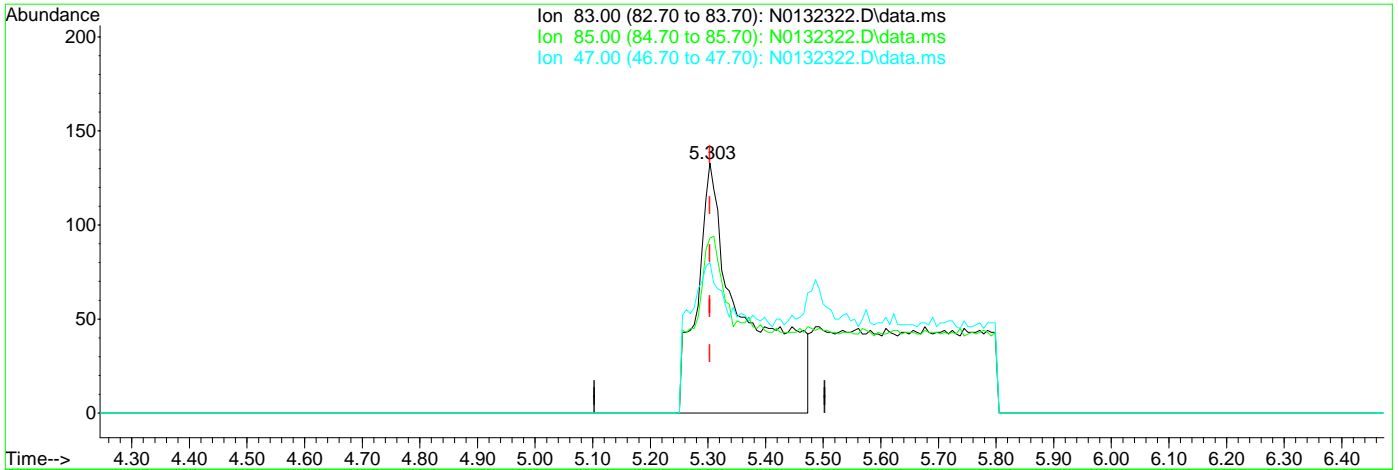
7.1.3.1

7

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\08-28-24\
 Data File : N0132322.D
 Acq On : 28 Aug 2024 12:35 pm
 Operator : jeniferw
 Sample : FC18255-3
 Misc : MS57378,VN6710,,,,,
 ALS Vial : 10 Sample Multiplier: 1

Quant Time: Aug 29 05:52:12 2024
 Quant Method : C:\msdchem\1\methods\SIMCL_VN6705_082024.M
 Quant Title : Standard Methods 6200B
 QLast Update : Tue Aug 20 14:01:28 2024
 Response via : Initial Calibration



(9) Chloroform

5.303min (+0.000) 0.47ug/L

response 777

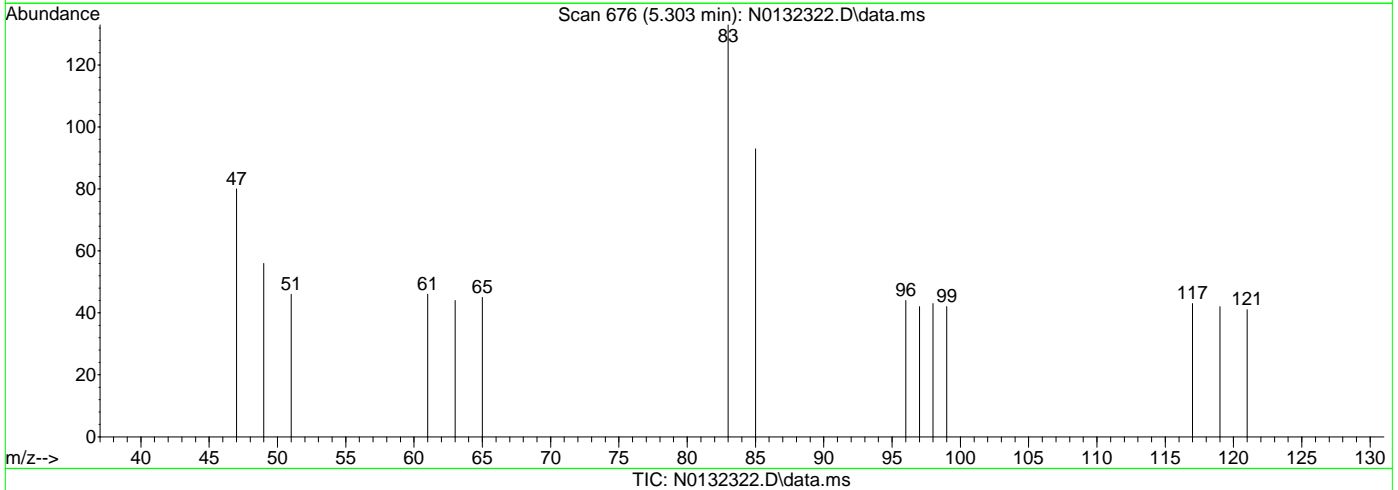
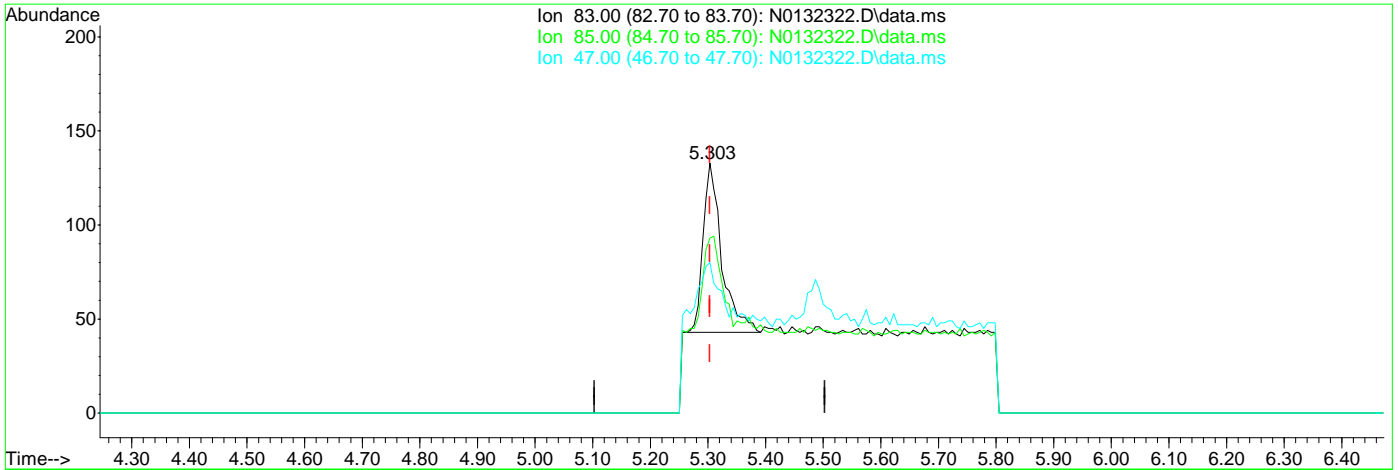
Ion	Exp%	Act%
83.00	100	100
85.00	66.30	69.92
47.00	32.60	60.15
0.00	0.00	0.00

7.1.3.2
7

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\08-28-24\
 Data File : N0132322.D
 Acq On : 28 Aug 2024 12:35 pm
 Operator : jeniferw
 Sample : FC18255-3
 Misc : MS57378,VN6710,,,,,
 ALS Vial : 10 Sample Multiplier: 1

Quant Time: Aug 29 05:52:12 2024
 Quant Method : C:\msdchem\1\methods\SIMCL_VN6705_082024.M
 Quant Title : Standard Methods 6200B
 QLast Update : Tue Aug 20 14:01:28 2024
 Response via : Initial Calibration



(9) Chloroform

5.303min (+0.000) 0.12ug/L m

response 202

Ion	Exp%	Act%
83.00	100	100
85.00	66.30	69.92
47.00	32.60	60.15
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\08-28-24\
 Data File : N0132323.D
 Acq On : 28 Aug 2024 1:00 pm
 Operator : jeniferw
 Sample : FC18255-4
 Misc : MS57378,VN6710,,,,,
 ALS Vial : 11 Sample Multiplier: 1

Quant Time: Aug 29 09:04:23 2024
 Quant Method : C:\msdchem\1\methods\SIMCL_VN6705_082024.M
 Quant Title : Standard Methods 6200B
 QLast Update : Tue Aug 20 14:01:28 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	Qvalue

Internal Standards							
1) Fluorobenzene	6.341	96	42603	5.00	ug/L	0.00	
18) Chlorobenzene-d5	9.514	117	27083	5.00	ug/L	0.00	
System Monitoring Compounds							
13) 1,2-Dichloroethane-d4	6.041	65	20247	5.52	ug/L	0.00	
Spiked Amount	5.000	Range 74 - 125	Recovery	=	110.40%		
19) Toluene-d8	7.951	98	31265	5.23	ug/L	0.00	
Spiked Amount	5.000	Range 88 - 111	Recovery	=	104.60%		
Target Compounds							
3) Chloromethane	1.977	50	538	0.43	ug/L		94
5) Methylene Chloride	3.712	49	2206	1.11	ug/L		95
8) cis-1,2-Dichloroethene	5.052	96	155	0.25	ug/L		89
9) Chloroform	5.303	83	226m	0.14	ug/L		
15) Trichloroethene	6.537	95	1470	2.29	ug/L		95
21) Tetrachloroethene	8.418	166	144	0.24	ug/L #		94

(#) = qualifier out of range (m) = manual integration (+) = signals summed

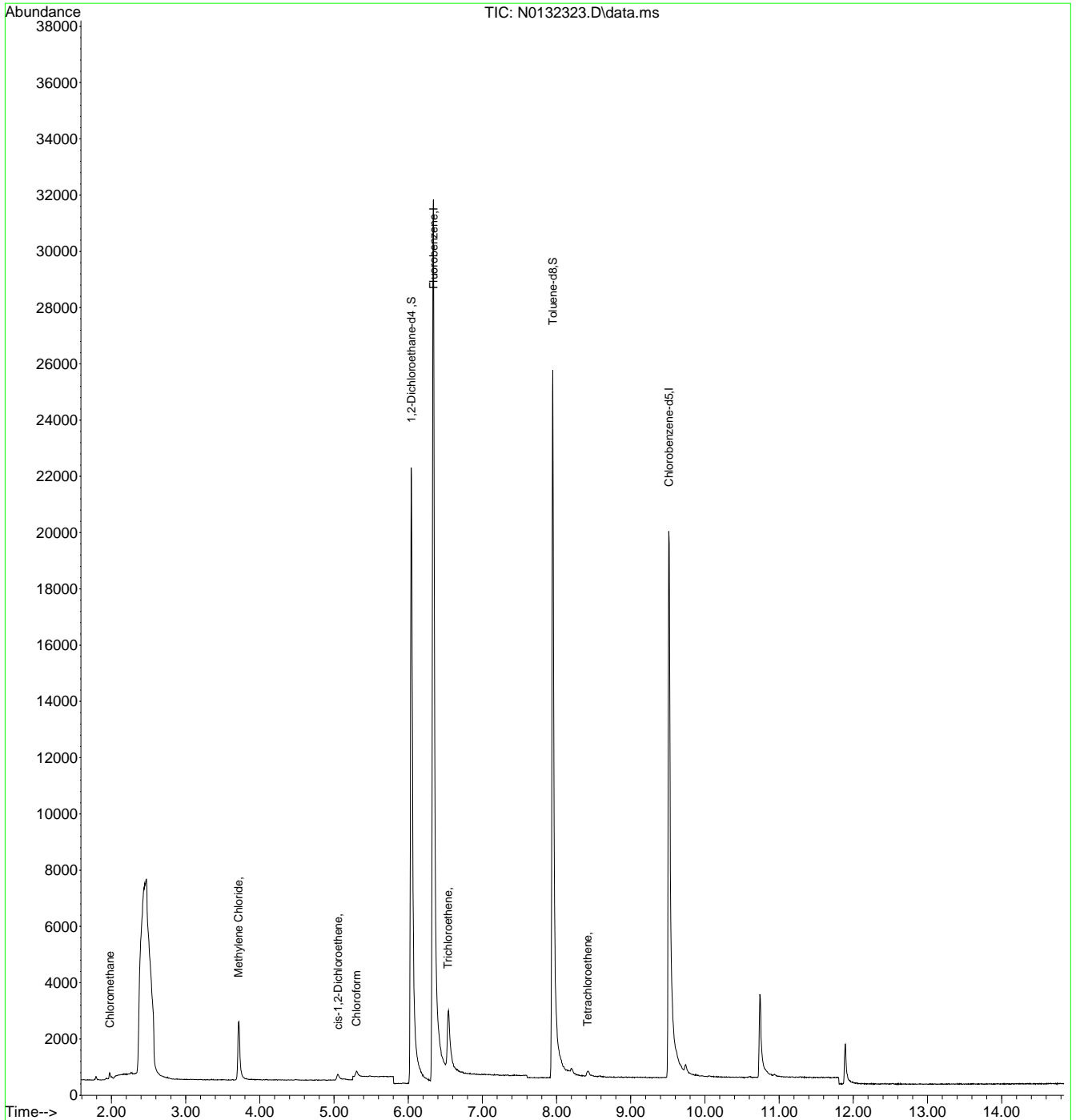
7.1.4
7



Quantitation Report (QT Reviewed)

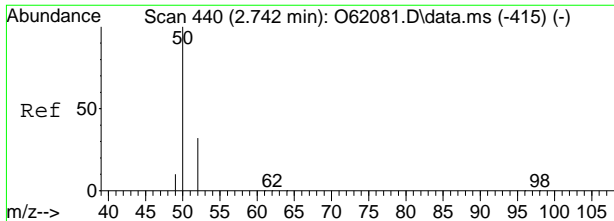
Data Path : C:\msdchem\1\data\08-28-24\
 Data File : N0132323.D
 Acq On : 28 Aug 2024 1:00 pm
 Operator : jeniferw
 Sample : FC18255-4
 Misc : MS57378,VN6710,,,,,
 ALS Vial : 11 Sample Multiplier: 1

Quant Time: Aug 29 09:04:23 2024
 Quant Method : C:\msdchem\1\methods\SIMCL_VN6705_082024.M
 Quant Title : Standard Methods 6200B
 QLast Update : Tue Aug 20 14:01:28 2024
 Response via : Initial Calibration



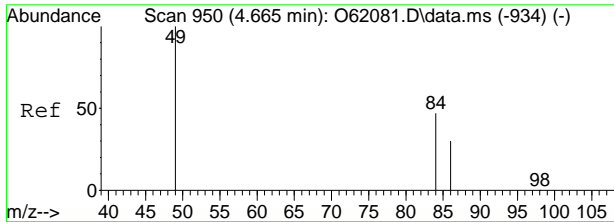
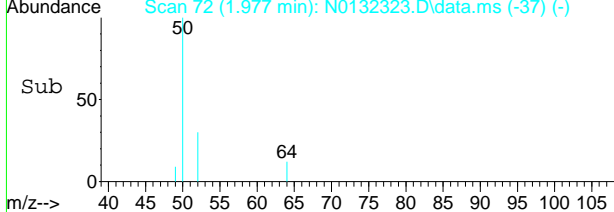
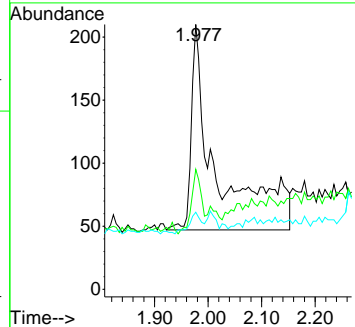
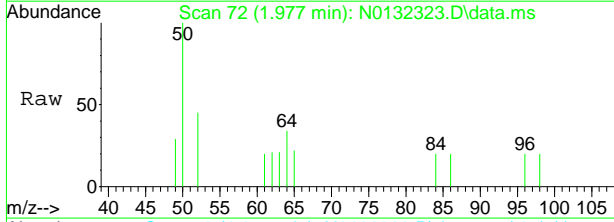
7.1.4
7





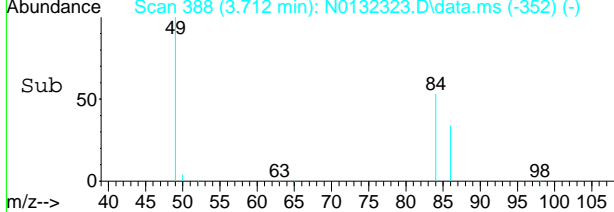
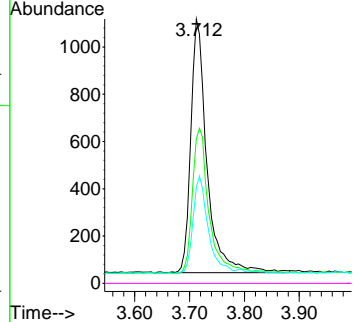
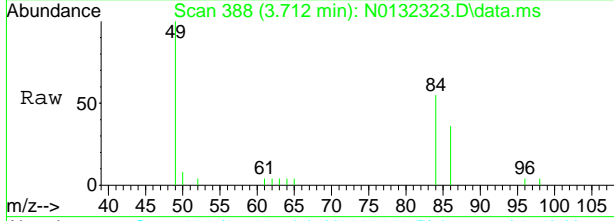
#3
 Chloromethane
 Concen: 0.43 ug/L
 RT: 1.977 min Scan# 72
 Delta R.T. -0.005 min
 Lab File: N0132323.D
 Acq: 28 Aug 2024 1:00 pm

Tgt Ion	Ratio	Lower	Upper
50	100		
52	28.2	2.1	62.1
49	9.2	0.0	39.6

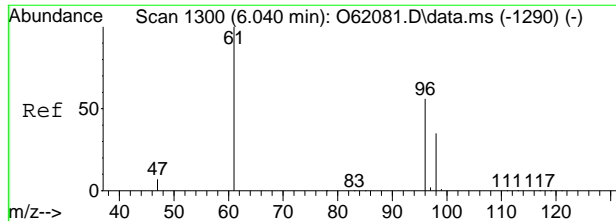


#5
 Methylene Chloride
 Concen: 1.11 ug/L
 RT: 3.712 min Scan# 388
 Delta R.T. 0.000 min
 Lab File: N0132323.D
 Acq: 28 Aug 2024 1:00 pm

Tgt Ion	Ratio	Lower	Upper
49	100		
84	52.9	20.0	80.0
86	33.9	0.4	60.4
51	0.0	0.0	30.0

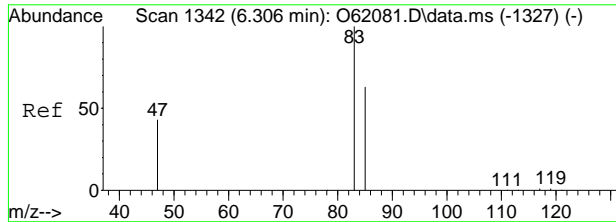
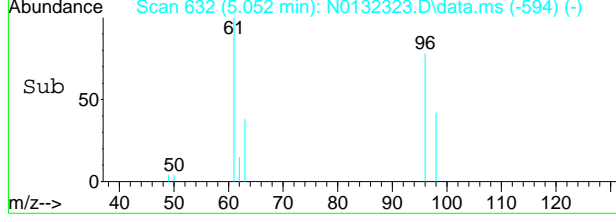
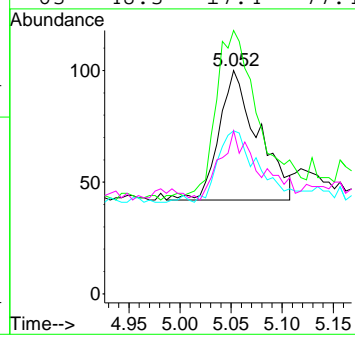
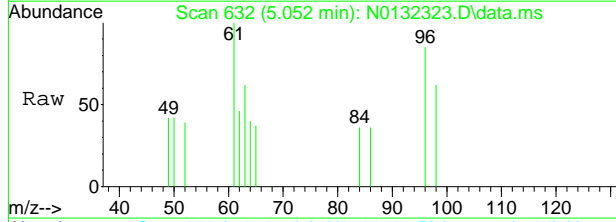


7.14
7



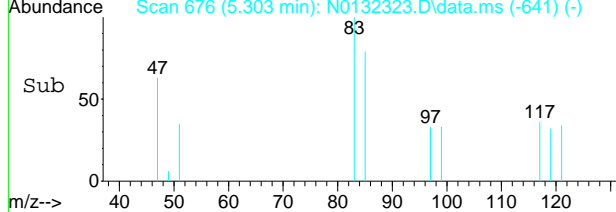
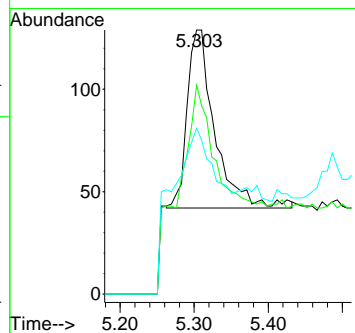
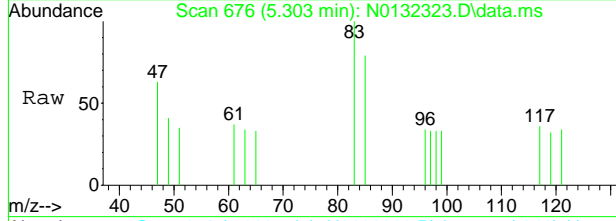
#8
 cis-1,2-Dichloroethene
 Concen: 0.25 ug/L
 RT: 5.052 min Scan# 632
 Delta R.T. 0.010 min
 Lab File: N0132323.D
 Acq: 28 Aug 2024 1:00 pm

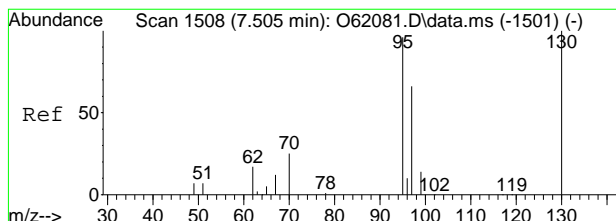
Tgt Ion	Ratio	Lower	Upper
96	100		
61	127.6	113.6	173.6
98	55.2	35.4	95.4
63	48.3	17.4	77.4



#9
 Chloroform
 Concen: 0.14 ug/L m
 RT: 5.303 min Scan# 676
 Delta R.T. 0.000 min
 Lab File: N0132323.D
 Acq: 28 Aug 2024 1:00 pm

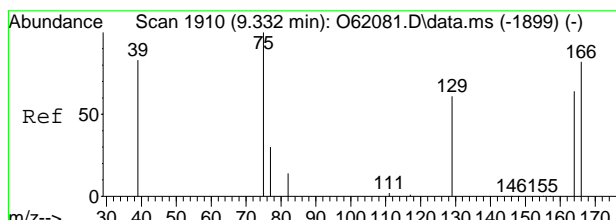
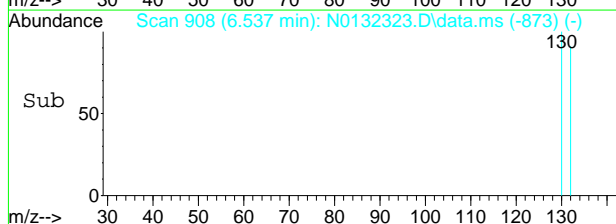
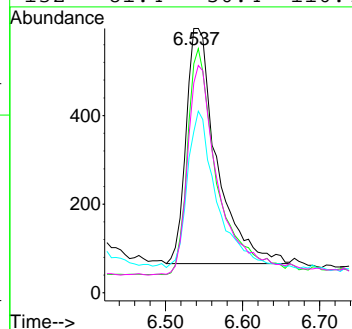
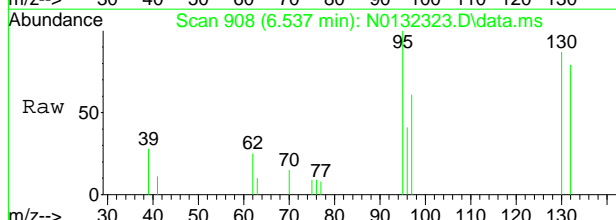
Tgt Ion	Ratio	Lower	Upper
83	100		
85	79.1	36.3	96.3
47	62.8	2.6	62.6#





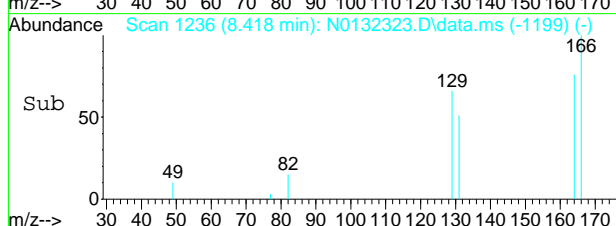
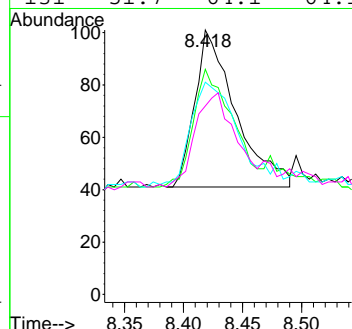
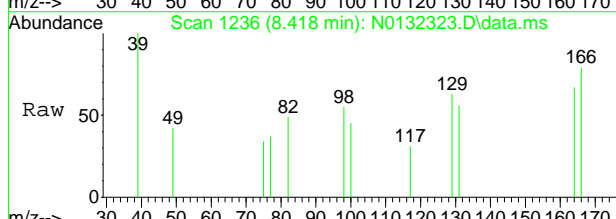
#15
 Trichloroethene
 Concen: 2.29 ug/L
 RT: 6.537 min Scan# 908
 Delta R.T. 0.006 min
 Lab File: N0132323.D
 Acq: 28 Aug 2024 1:00 pm

Tgt Ion	Resp	Lower	Upper
95	1470		
130	89.6	55.7	115.7
97	57.8	36.4	96.4
132	81.4	50.4	110.4



#21
 Tetrachloroethene
 Concen: 0.24 ug/L
 RT: 8.418 min Scan# 1236
 Delta R.T. 0.005 min
 Lab File: N0132323.D
 Acq: 28 Aug 2024 1:00 pm

Tgt Ion	Resp	Lower	Upper
166	144		
166	100		
164	73.3	45.4	105.4
129	63.3	34.0	94.0
131	51.7	64.1	64.1#



Manual Integration Approval Summary

Sample Number: FC18255-4 **Method:** SW846 8260D BY SIM
Lab FileID: N0132323.D **Analyst approved:** 08/29/24 11:30 Jenifer Willis
Injection Time: 08/28/24 13:00 **Supervisor approved:** 08/29/24 12:22 Karen Watson

Parameter	CAS	Sig#	R.T. (min.)	Reason
Chloroform	67-66-3		5.30	Poorly defined baseline

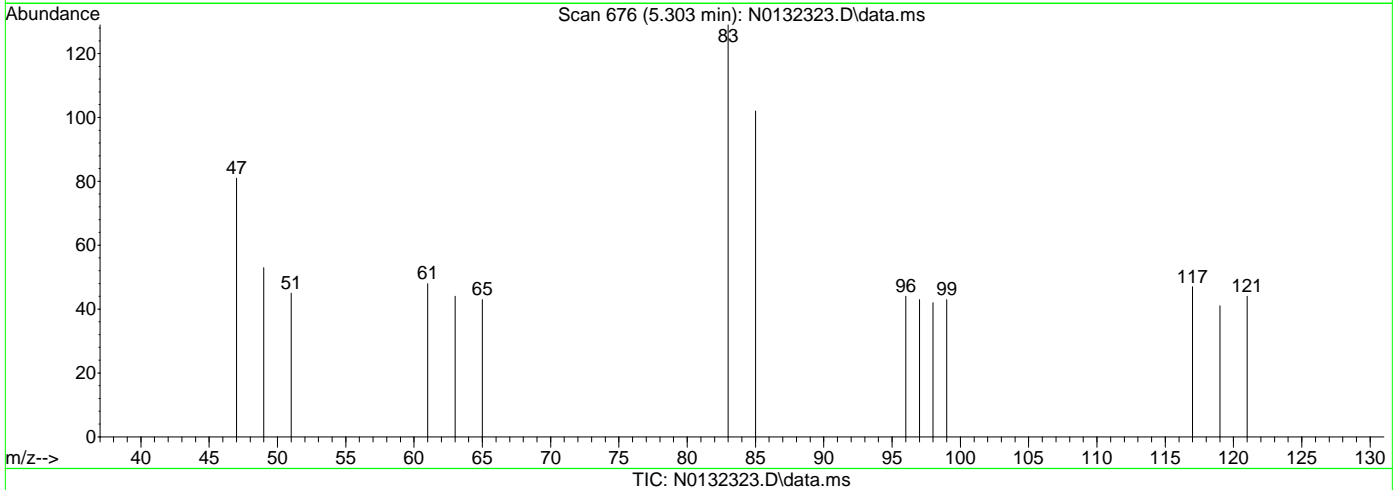
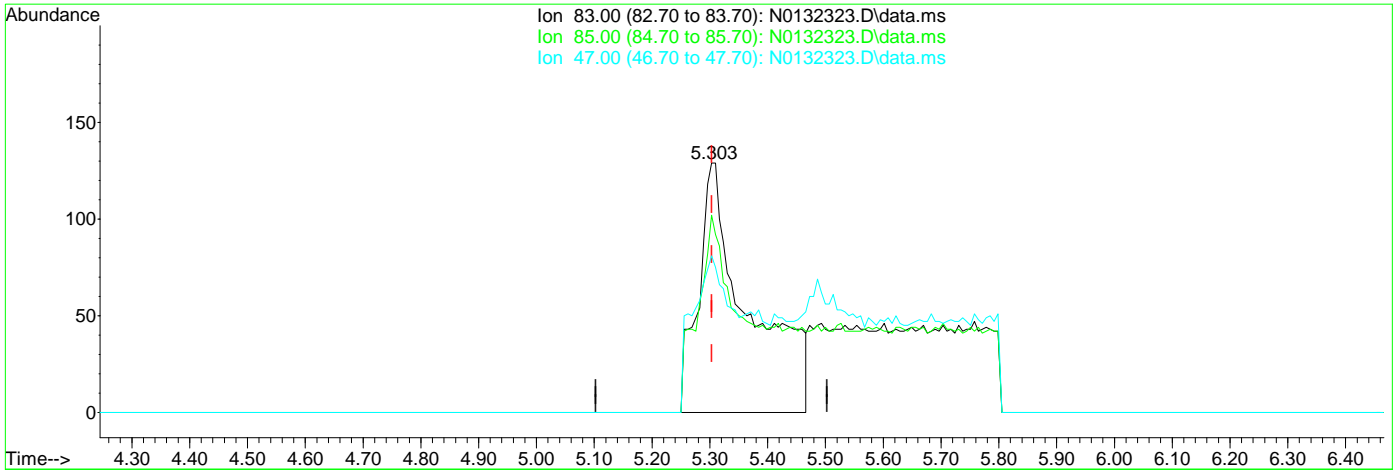
7.1.4.1

7

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\08-28-24\
 Data File : N0132323.D
 Acq On : 28 Aug 2024 1:00 pm
 Operator : jeniferw
 Sample : FC18255-4
 Misc : MS57378,VN6710,,,,,
 ALS Vial : 11 Sample Multiplier: 1

Quant Time: Aug 29 05:52:14 2024
 Quant Method : C:\msdchem\1\methods\SIMCL_VN6705_082024.M
 Quant Title : Standard Methods 6200B
 QLast Update : Tue Aug 20 14:01:28 2024
 Response via : Initial Calibration



(9) Chloroform
 5.303min (+0.000) 0.48ug/L

response 767

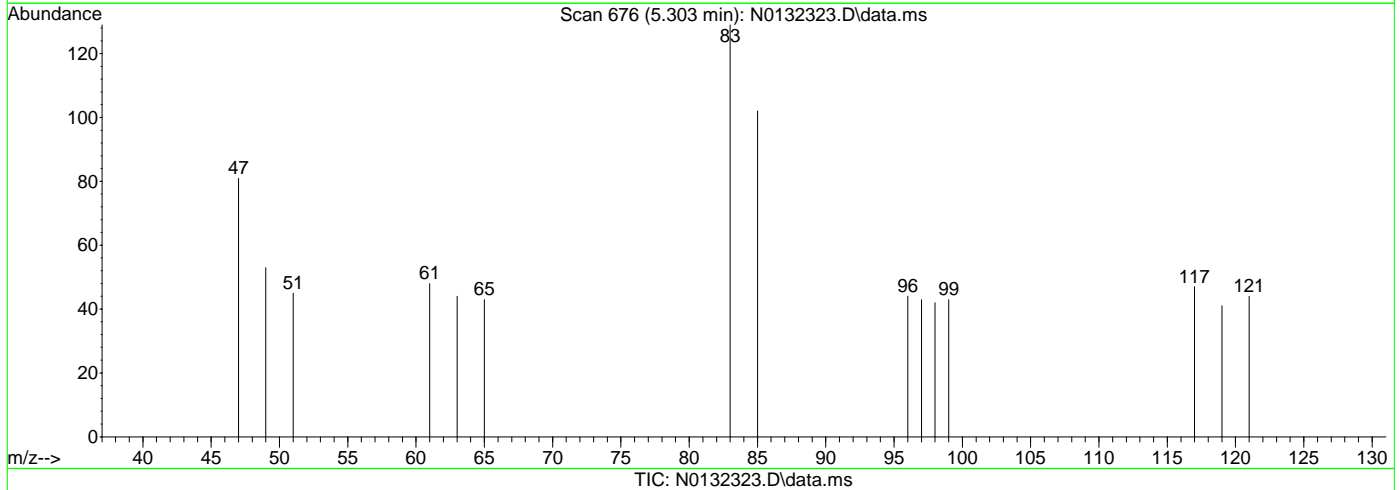
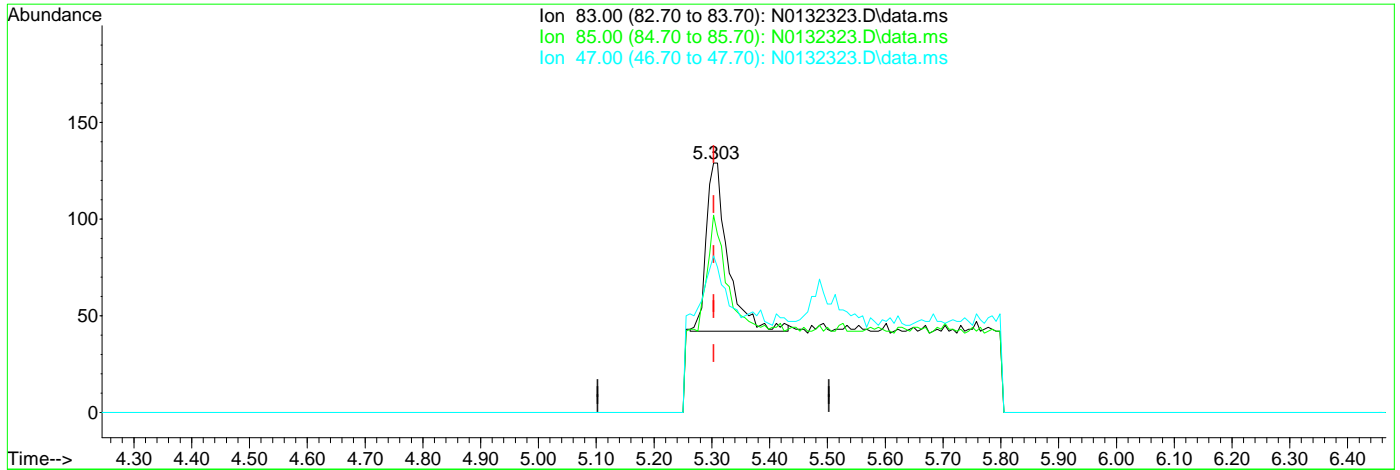
Ion	Exp%	Act%
83.00	100	100
85.00	66.30	79.07
47.00	32.60	62.79#
0.00	0.00	0.00

7.1.4.2
7

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\08-28-24\
 Data File : N0132323.D
 Acq On : 28 Aug 2024 1:00 pm
 Operator : jeniferw
 Sample : FC18255-4
 Misc : MS57378,VN6710,,,,,
 ALS Vial : 11 Sample Multiplier: 1

Quant Time: Aug 29 05:52:14 2024
 Quant Method : C:\msdchem\1\methods\SIMCL_VN6705_082024.M
 Quant Title : Standard Methods 6200B
 QLast Update : Tue Aug 20 14:01:28 2024
 Response via : Initial Calibration



(9) Chloroform
 5.303min (+0.000) 0.14ug/L m

response 226

Ion	Exp%	Act%
83.00	100	100
85.00	66.30	79.07
47.00	32.60	62.79#
0.00	0.00	0.00

7.1.4.3
7

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\08-28-24\
 Data File : N0132319.D
 Acq On : 28 Aug 2024 11:21 am
 Operator : jeniferw
 Sample : FC18255-5
 Misc : MS57378,VN6710,,,,,
 ALS Vial : 7 Sample Multiplier: 1

Quant Time: Aug 29 09:02:05 2024
 Quant Method : C:\msdchem\1\methods\SIMCL_VN6705_082024.M
 Quant Title : Standard Methods 6200B
 QLast Update : Tue Aug 20 14:01:28 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	Qvalue

Internal Standards							
1) Fluorobenzene	6.341	96	45135	5.00	ug/L	0.00	
18) Chlorobenzene-d5	9.519	117	28259	5.00	ug/L	0.00	
System Monitoring Compounds							
13) 1,2-Dichloroethane-d4	6.041	65	20670	5.32	ug/L	0.00	
Spiked Amount	5.000	Range 74 - 125	Recovery	=	106.40%		
19) Toluene-d8	7.950	98	33422	5.36	ug/L	0.00	
Spiked Amount	5.000	Range 88 - 111	Recovery	=	107.20%		
Target Compounds							
3) Chloromethane	1.977	50	569	0.43	ug/L	99	
5) Methylene Chloride	3.712	49	2032	0.97	ug/L	96	

(#) = qualifier out of range (m) = manual integration (+) = signals summed

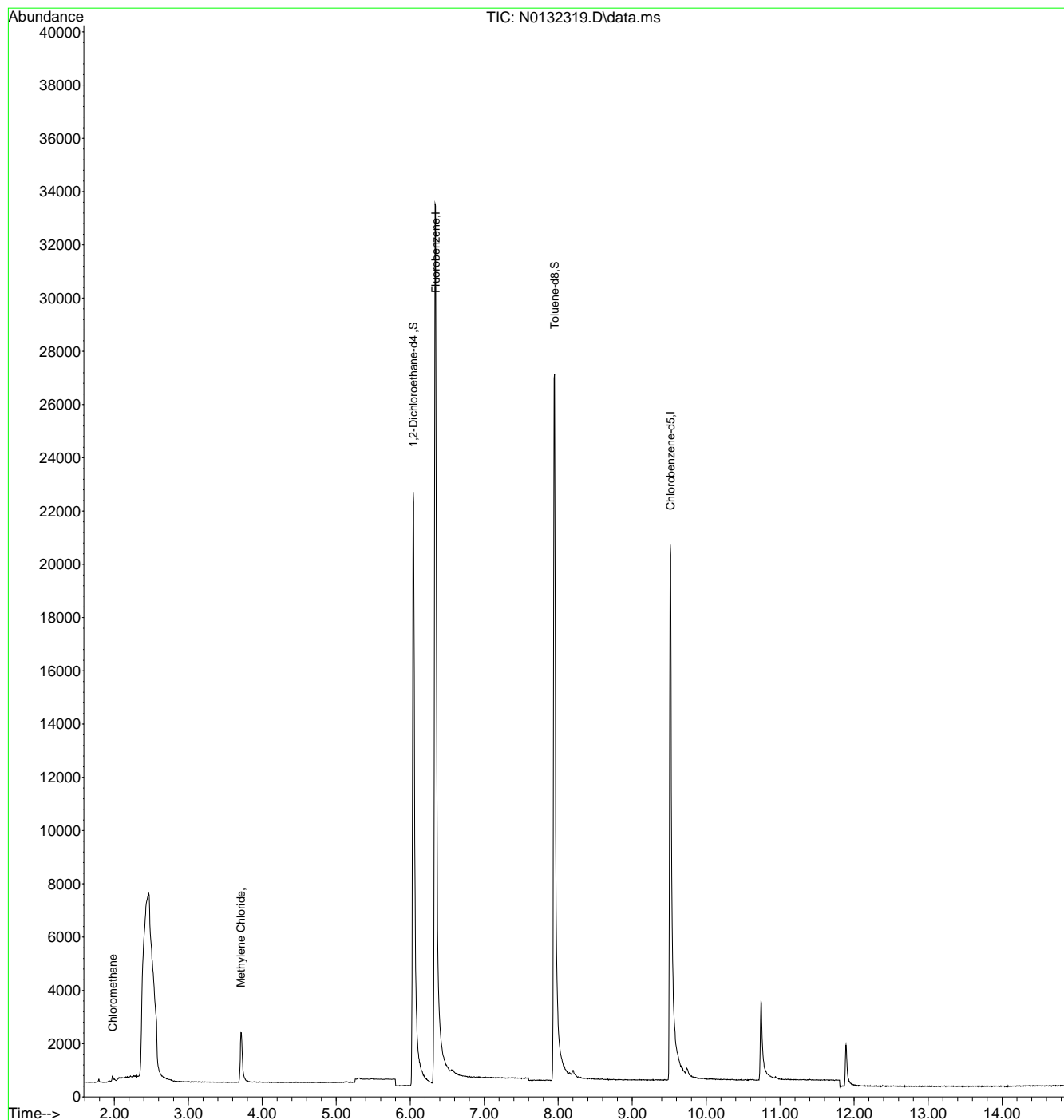
7.1.5
7



Quantitation Report (QT Reviewed)

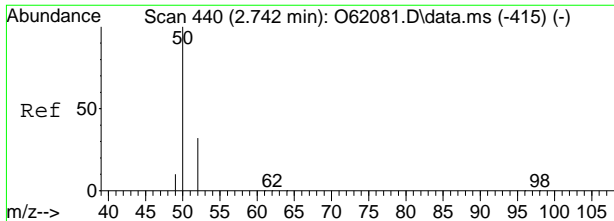
Data Path : C:\msdchem\1\data\08-28-24\
 Data File : N0132319.D
 Acq On : 28 Aug 2024 11:21 am
 Operator : jeniferw
 Sample : FC18255-5
 Misc : MS57378,VN6710,,,,,
 ALS Vial : 7 Sample Multiplier: 1

Quant Time: Aug 29 09:02:05 2024
 Quant Method : C:\msdchem\1\methods\SIMCL_VN6705_082024.M
 Quant Title : Standard Methods 6200B
 QLast Update : Tue Aug 20 14:01:28 2024
 Response via : Initial Calibration



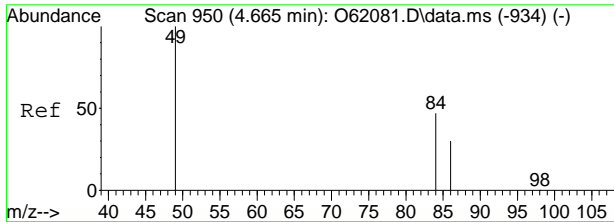
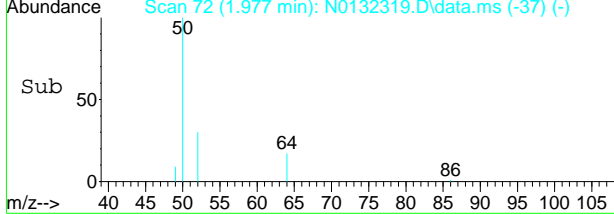
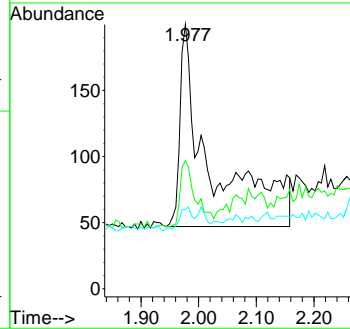
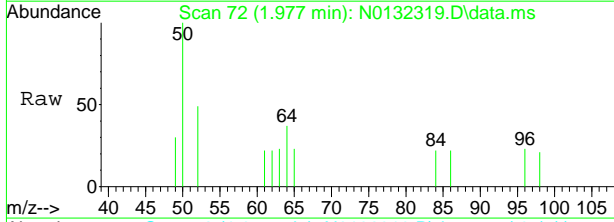
7.1.5
7





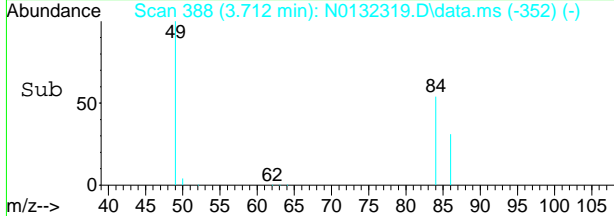
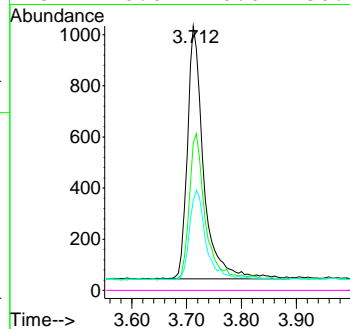
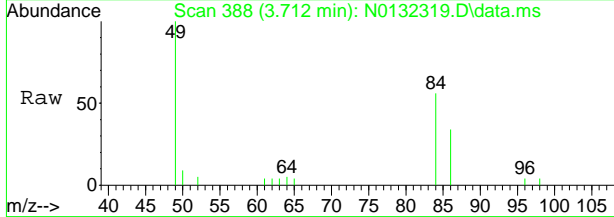
#3
 Chloromethane
 Concen: 0.43 ug/L
 RT: 1.977 min Scan# 72
 Delta R.T. -0.005 min
 Lab File: N0132319.D
 Acq: 28 Aug 2024 11:21 am

Tgt Ion	Ratio	Lower	Upper
50	100		
52	32.7	2.1	62.1
49	9.2	0.0	39.6



#5
 Methylene Chloride
 Concen: 0.97 ug/L
 RT: 3.712 min Scan# 388
 Delta R.T. 0.000 min
 Lab File: N0132319.D
 Acq: 28 Aug 2024 11:21 am

Tgt Ion	Ratio	Lower	Upper
49	100		
84	53.8	20.0	80.0
86	31.1	0.4	60.4
51	0.0	0.0	30.0



7.15
7

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\08-28-24\
 Data File : N0132317.D
 Acq On : 28 Aug 2024 10:32 am
 Operator : jeniferw
 Sample : MB
 Misc : MS57365,VN6710,,,,,
 ALS Vial : 5 Sample Multiplier: 1

Quant Time: Aug 28 10:48:09 2024
 Quant Method : C:\msdchem\1\methods\SIMCL_VN6705_082024.M
 Quant Title : Standard Methods 6200B
 QLast Update : Tue Aug 20 14:01:28 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Fluorobenzene	6.341	96	47341	5.00	ug/L	0.00
18) Chlorobenzene-d5	9.514	117	30013	5.00	ug/L	0.00
System Monitoring Compounds						
13) 1,2-Dichloroethane-d4	6.045	65	21268	5.22	ug/L	0.00
Spiked Amount	5.000	Range 74 - 125	Recovery	=	104.40%	
19) Toluene-d8	7.945	98	34922	5.27	ug/L	0.00
Spiked Amount	5.000	Range 88 - 111	Recovery	=	105.40%	
Target Compounds						
3) Chloromethane	1.982	50	579	0.41	ug/L	97
5) Methylene Chloride	3.718	49	2412	1.10	ug/L	86

(#) = qualifier out of range (m) = manual integration (+) = signals summed

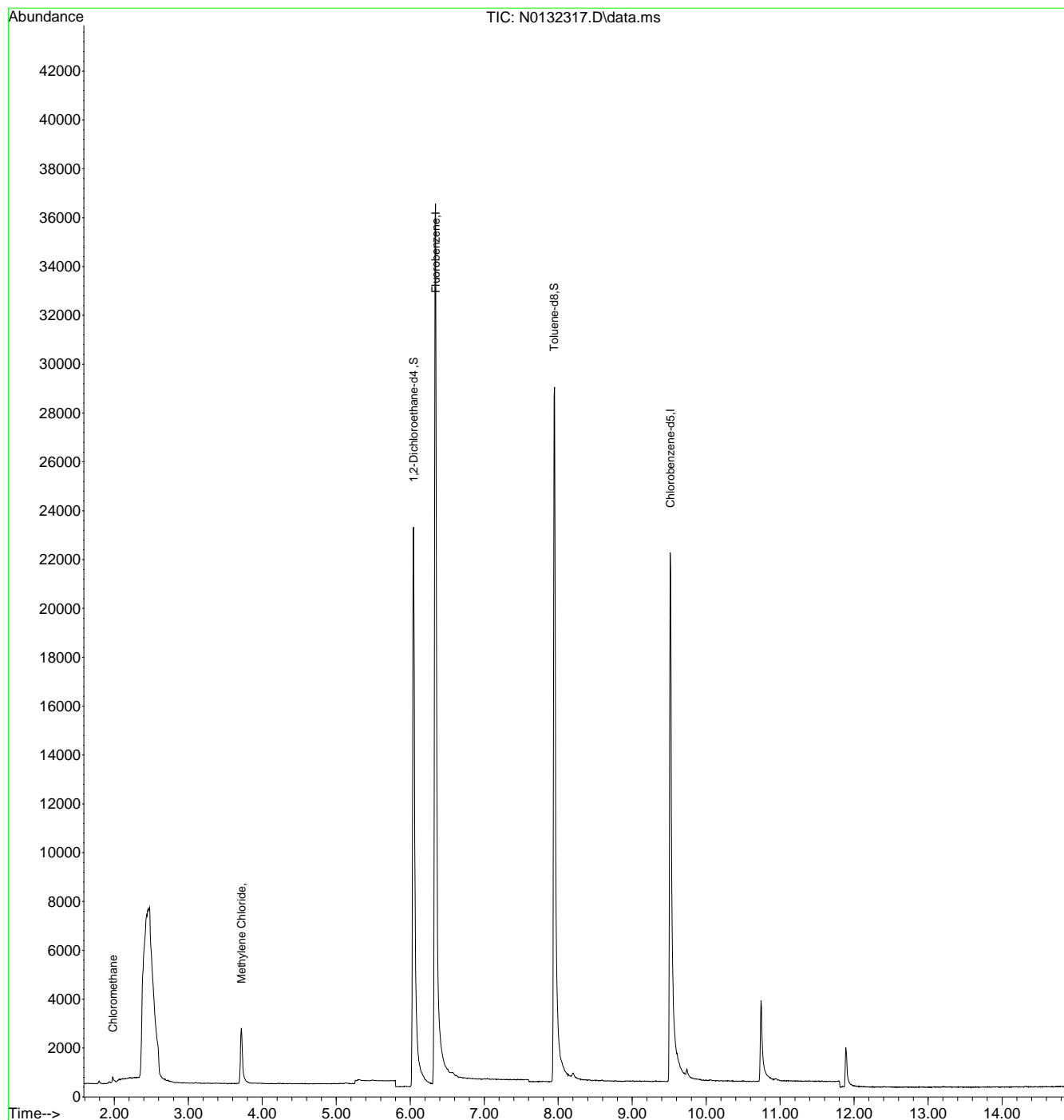
7.2.1
7



Quantitation Report (QT Reviewed)

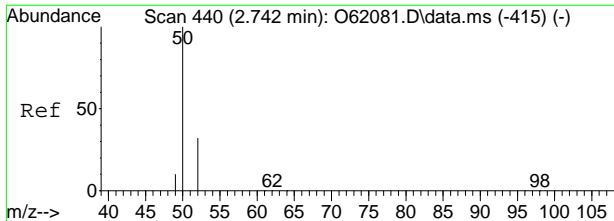
Data Path : C:\msdchem\1\data\08-28-24\
 Data File : N0132317.D
 Acq On : 28 Aug 2024 10:32 am
 Operator : jeniferw
 Sample : MB
 Misc : MS57365,VN6710,,,,,
 ALS Vial : 5 Sample Multiplier: 1

Quant Time: Aug 28 10:48:09 2024
 Quant Method : C:\msdchem\1\methods\SIMCL_VN6705_082024.M
 Quant Title : Standard Methods 6200B
 QLast Update : Tue Aug 20 14:01:28 2024
 Response via : Initial Calibration



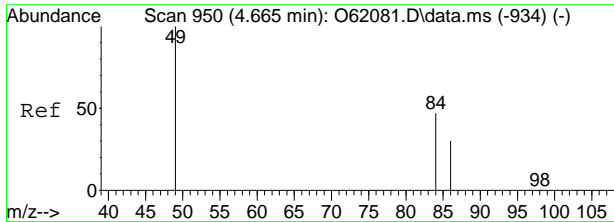
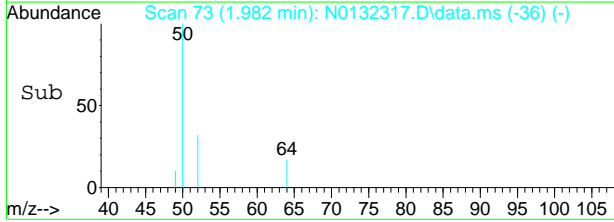
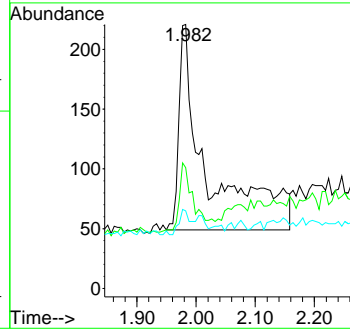
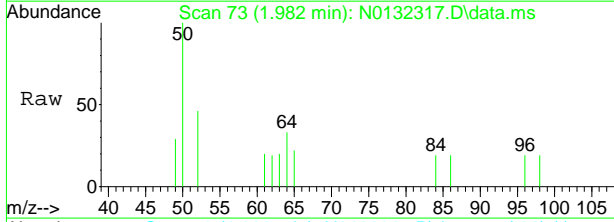
7.2.1
7





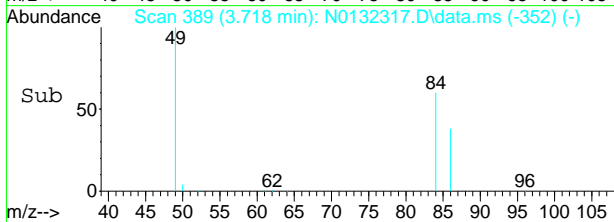
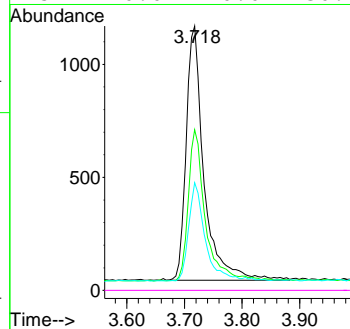
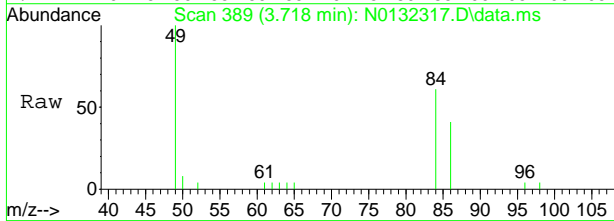
#3
 Chloromethane
 Concen: 0.41 ug/L
 RT: 1.982 min Scan# 73
 Delta R.T. 0.000 min
 Lab File: N0132317.D
 Acq: 28 Aug 2024 10:32 am

Tgt Ion	Resp	Lower	Upper
50	579		
52	30.2	2.1	62.1
49	9.9	0.0	39.6



#5
 Methylene Chloride
 Concen: 1.10 ug/L
 RT: 3.718 min Scan# 389
 Delta R.T. 0.006 min
 Lab File: N0132317.D
 Acq: 28 Aug 2024 10:32 am

Tgt Ion	Resp	Lower	Upper
49	2412		
84	59.5	20.0	80.0
86	38.6	0.4	60.4
51	0.0	0.0	30.0



7.2.1

7

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\08-28-24\
 Data File : N0132315.D
 Acq On : 28 Aug 2024 9:43 am
 Operator : jeniferw
 Sample : BS
 Misc : MS57365,VN6710,,,,,
 ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 28 10:12:43 2024
 Quant Method : C:\msdchem\1\methods\SIMCL_VN6705_082024.M
 Quant Title : Standard Methods 6200B
 QLast Update : Tue Aug 20 14:01:28 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

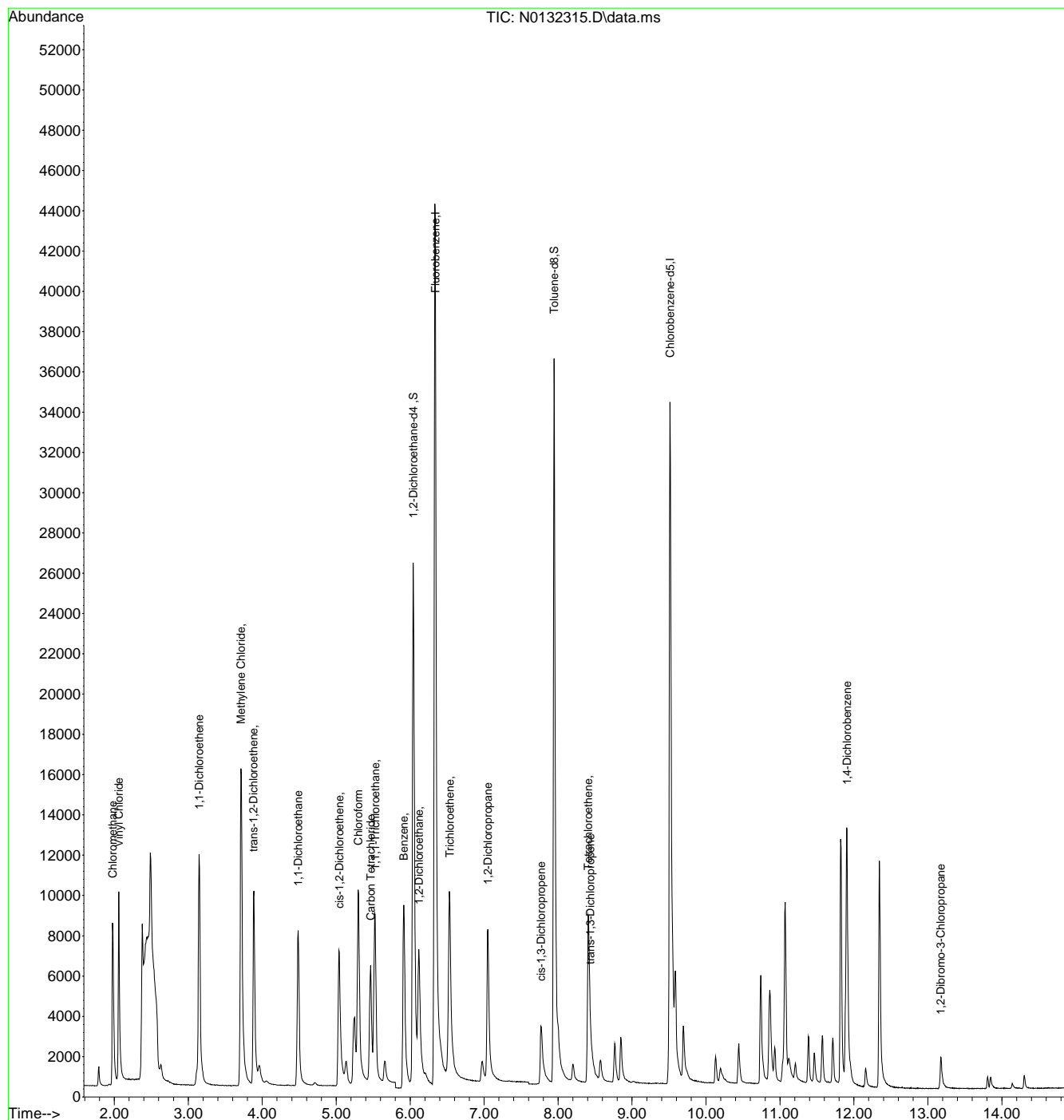
Internal Standards						
1) Fluorobenzene	6.341	96	56392	5.00	ug/L	0.00
18) Chlorobenzene-d5	9.514	117	34753	5.00	ug/L	0.00
System Monitoring Compounds						
13) 1,2-Dichloroethane-d4	6.041	65	23690	4.88	ug/L	0.00
Spiked Amount	5.000	Range 74 - 125	Recovery	=	97.60%	
19) Toluene-d8	7.945	98	40840	5.32	ug/L	0.00
Spiked Amount	5.000	Range 88 - 111	Recovery	=	106.40%	
Target Compounds						
						Qvalue
2) Vinyl Chloride	2.059	62	8517	6.83	ug/L	99
3) Chloromethane	1.977	50	9288	5.58	ug/L	99
4) 1,1-Dichloroethene	3.147	61	8504	5.12	ug/L	93
5) Methylene Chloride	3.712	49	16551	7.01	ug/L	94
6) trans-1,2-Dichloroethene	3.883	61	7382	5.33	ug/L	99
7) 1,1-Dichloroethane	4.487	63	9928	5.34	ug/L	98
8) cis-1,2-Dichloroethene	5.041	96	4421	5.44	ug/L	96
9) Chloroform	5.296	83	10333	5.19	ug/L	98
10) Carbon Tetrachloride	5.466	117	4273	5.07	ug/L	97
11) 1,1,1-Trichloroethane	5.527	97	6437	5.36	ug/L	98
12) Benzene	5.915	78	16267	5.40	ug/L	100
14) 1,2-Dichloroethane	6.116	62	7850	5.52	ug/L	98
15) Trichloroethene	6.537	95	4577	5.40	ug/L	96
16) 1,2-Dichloropropane	7.053	63	5062	5.33	ug/L	97
17) cis-1,3-Dichloropropene	7.769	75	3987	5.30	ug/L	96
20) trans-1,3-Dichloropropene	8.435	75	3341	5.35	ug/L	94
21) Tetrachloroethene	8.407	166	4586	5.86	ug/L #	97
22) 1,4-Dichlorobenzene	11.906	146	10438	5.88	ug/L	98
23) 1,2-Dibromo-3-Chloropr...	13.173	75	866	5.95	ug/L	98

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\08-28-24\
 Data File : N0132315.D
 Acq On : 28 Aug 2024 9:43 am
 Operator : jeniferw
 Sample : BS
 Misc : MS57365,VN6710,,,,,
 ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 28 10:12:43 2024
 Quant Method : C:\msdchem\1\methods\SIMCL_VN6705_082024.M
 Quant Title : Standard Methods 6200B
 QLast Update : Tue Aug 20 14:01:28 2024
 Response via : Initial Calibration



7.3.1
7



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\08-28-24\
 Data File : N0132338.D
 Acq On : 28 Aug 2024 7:16 pm
 Operator : jeniferw
 Sample : FC18255-2MS
 Misc : MS57378,VN6710,,,,,5
 ALS Vial : 26 Sample Multiplier: 1

Quant Time: Aug 29 05:52:44 2024
 Quant Method : C:\msdchem\1\methods\SIMCL_VN6705_082024.M
 Quant Title : Standard Methods 6200B
 QLast Update : Tue Aug 20 14:01:28 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	

Internal Standards							
1) Fluorobenzene	6.341	96	46514	5.00	ug/L	0.00	
18) Chlorobenzene-d5	9.514	117	29231	5.00	ug/L	0.00	
System Monitoring Compounds							
13) 1,2-Dichloroethane-d4	6.041	65	21053	5.26	ug/L	0.00	
Spiked Amount	5.000	Range 74 - 125	Recovery	=	105.20%		
19) Toluene-d8	7.945	98	33635	5.21	ug/L	0.00	
Spiked Amount	5.000	Range 88 - 111	Recovery	=	104.20%		
Target Compounds							
							Qvalue
2) Vinyl Chloride	2.059	62	7380	7.17	ug/L		96
3) Chloromethane	1.977	50	8652	6.30	ug/L		99
4) 1,1-Dichloroethene	3.147	61	7085	5.18	ug/L		91
5) Methylene Chloride	3.712	49	21991	12.61	ug/L		92
6) trans-1,2-Dichloroethene	3.883	61	6464	5.66	ug/L		98
7) 1,1-Dichloroethane	4.487	63	9406	6.13	ug/L		100
8) cis-1,2-Dichloroethene	5.041	96	3960	5.91	ug/L		93
9) Chloroform	5.296	83	9769	6.02	ug/L		96
10) Carbon Tetrachloride	5.466	117	3345	4.81	ug/L		98
11) 1,1,1-Trichloroethane	5.527	97	5466	5.52	ug/L		98
12) Benzene	5.915	78	14179	5.71	ug/L		98
14) 1,2-Dichloroethane	6.116	62	7094	6.05	ug/L		99
15) Trichloroethene	6.531	95	4590	6.56	ug/L		98
16) 1,2-Dichloropropane	7.052	63	4672	5.96	ug/L		98
17) cis-1,3-Dichloropropene	7.774	75	3017	4.86	ug/L		99
20) trans-1,3-Dichloropropene	8.435	75	2610	5.00	ug/L		89
21) Tetrachloroethene	8.413	166	4127	6.27	ug/L #		99
22) 1,4-Dichlorobenzene	11.906	146	9217	6.17	ug/L		97
23) 1,2-Dibromo-3-Chloropr...	13.179	75	620	5.07	ug/L		94

(#) = qualifier out of range (m) = manual integration (+) = signals summed

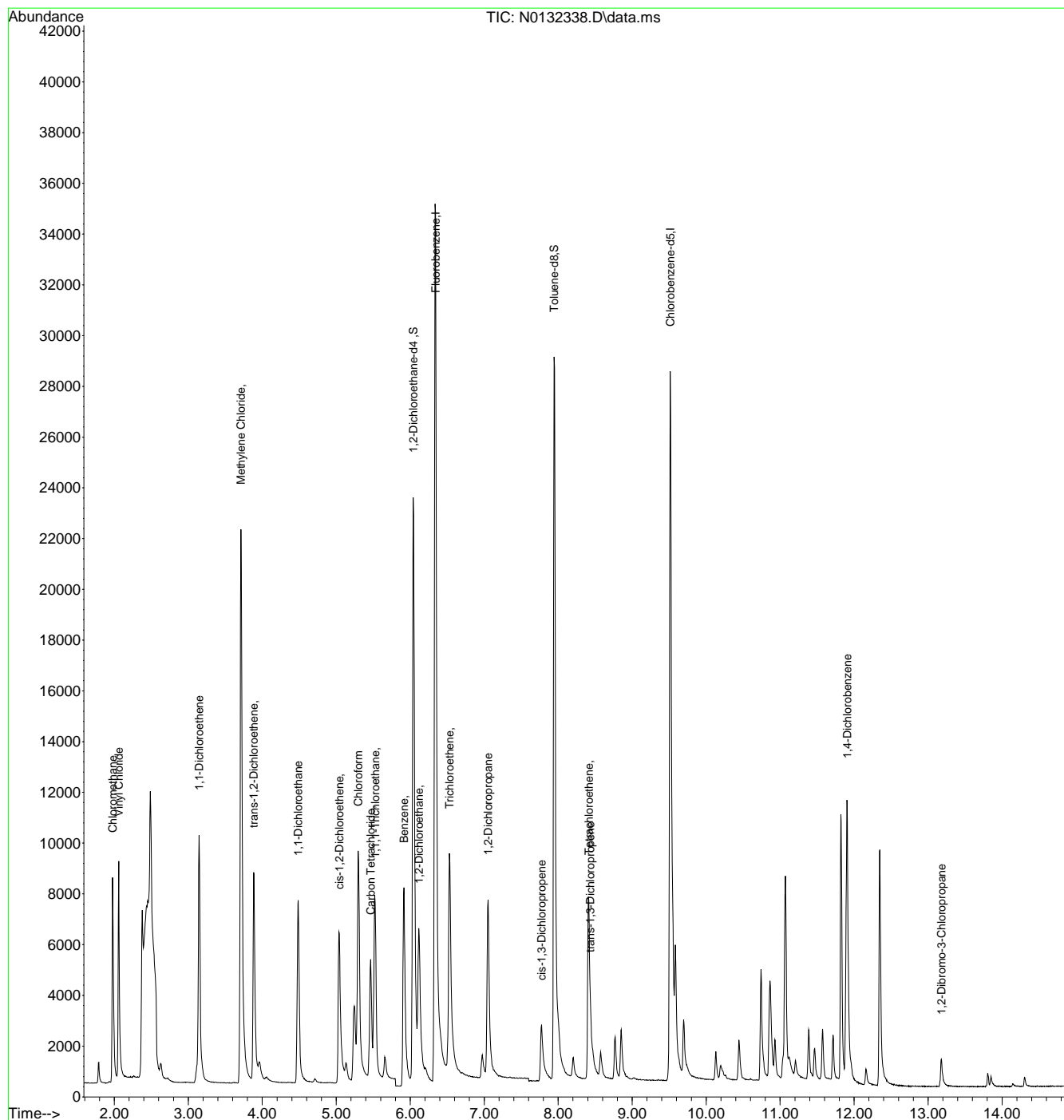
7.4.1
7



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\08-28-24\
 Data File : N0132338.D
 Acq On : 28 Aug 2024 7:16 pm
 Operator : jeniferw
 Sample : FC18255-2MS
 Misc : MS57378,VN6710,,,,,5
 ALS Vial : 26 Sample Multiplier: 1

Quant Time: Aug 29 05:52:44 2024
 Quant Method : C:\msdchem\1\methods\SIMCL_VN6705_082024.M
 Quant Title : Standard Methods 6200B
 QLast Update : Tue Aug 20 14:01:28 2024
 Response via : Initial Calibration



7.4.1
7



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\08-28-24\
 Data File : N0132339.D
 Acq On : 28 Aug 2024 7:41 pm
 Operator : jeniferw
 Sample : FC18255-2MSD
 Misc : MS57378,VN6710,,,,,5
 ALS Vial : 27 Sample Multiplier: 1

Quant Time: Aug 29 05:52:46 2024
 Quant Method : C:\msdchem\1\methods\SIMCL_VN6705_082024.M
 Quant Title : Standard Methods 6200B
 QLast Update : Tue Aug 20 14:01:28 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	

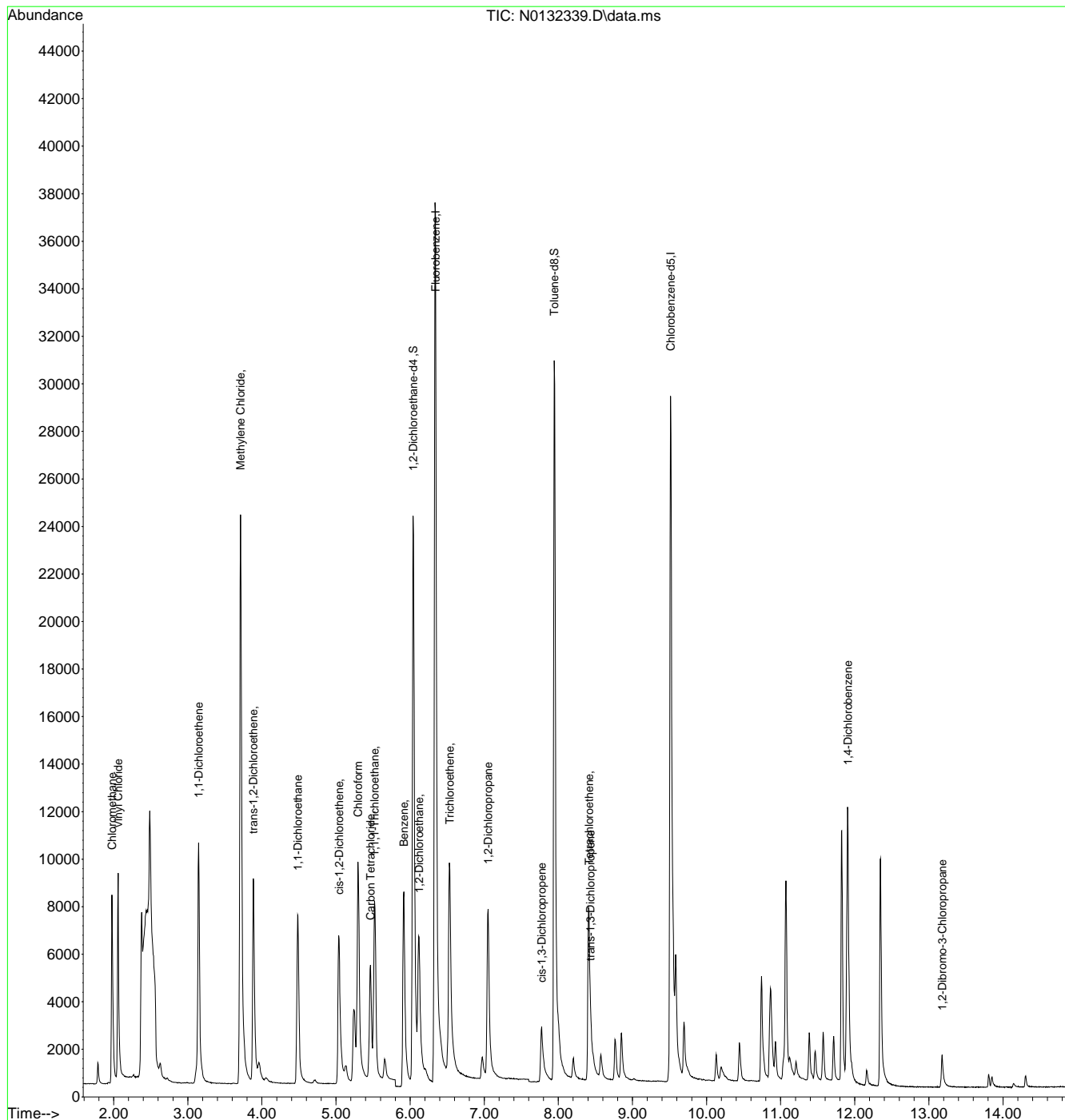
Internal Standards							
1) Fluorobenzene	6.341	96	49424	5.00	ug/L	0.00	
18) Chlorobenzene-d5	9.514	117	35151	5.00	ug/L	0.00	
System Monitoring Compounds							
13) 1,2-Dichloroethane-d4	6.041	65	21783	5.12	ug/L	0.00	
Spiked Amount	5.000	Range	74 - 125	Recovery	=	102.40%	
19) Toluene-d8	7.945	98	35282	4.55	ug/L	0.00	
Spiked Amount	5.000	Range	88 - 111	Recovery	=	91.00%	
Target Compounds							
							Qvalue
2) Vinyl Chloride	2.059	62	7583	6.93	ug/L		94
3) Chloromethane	1.977	50	8844	6.06	ug/L		99
4) 1,1-Dichloroethene	3.147	61	7298	5.02	ug/L		87
5) Methylene Chloride	3.712	49	23955	13.04	ug/L		90
6) trans-1,2-Dichloroethene	3.883	61	6636	5.47	ug/L		97
7) 1,1-Dichloroethane	4.481	63	9397	5.76	ug/L		98
8) cis-1,2-Dichloroethene	5.041	96	4134	5.81	ug/L		95
9) Chloroform	5.296	83	9834	5.68	ug/L		98
10) Carbon Tetrachloride	5.466	117	3572	4.83	ug/L		99
11) 1,1,1-Trichloroethane	5.520	97	5700	5.42	ug/L		96
12) Benzene	5.915	78	14847	5.62	ug/L		96
14) 1,2-Dichloroethane	6.120	62	7305	5.86	ug/L		98
15) Trichloroethene	6.537	95	4644	6.25	ug/L		96
16) 1,2-Dichloropropane	7.052	63	4696	5.64	ug/L		98
17) cis-1,3-Dichloropropene	7.774	75	3193	4.84	ug/L		100
20) trans-1,3-Dichloropropene	8.435	75	2711	4.38	ug/L		97
21) Tetrachloroethene	8.413	166	4115	5.20	ug/L #		97
22) 1,4-Dichlorobenzene	11.906	146	9332	5.19	ug/L		96
23) 1,2-Dibromo-3-Chloropr...	13.179	75	711	4.83	ug/L		96

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\08-28-24\
 Data File : N0132339.D
 Acq On : 28 Aug 2024 7:41 pm
 Operator : jeniferw
 Sample : FC18255-2MSD
 Misc : MS57378,VN6710,,,,,5
 ALS Vial : 27 Sample Multiplier: 1

Quant Time: Aug 29 05:52:46 2024
 Quant Method : C:\msdchem\1\methods\SIMCL_VN6705_082024.M
 Quant Title : Standard Methods 6200B
 QLast Update : Tue Aug 20 14:01:28 2024
 Response via : Initial Calibration



7.4.2
7



Methods: SW-846 8260B

Data File : C:\msdchem\1\data\08-20-24\N0132197.D

Vial: 1

Acq On : 20 Aug 2024 9:04 am

Operator: jeniferw

Sample : BFB

Inst : MSVOA6-N

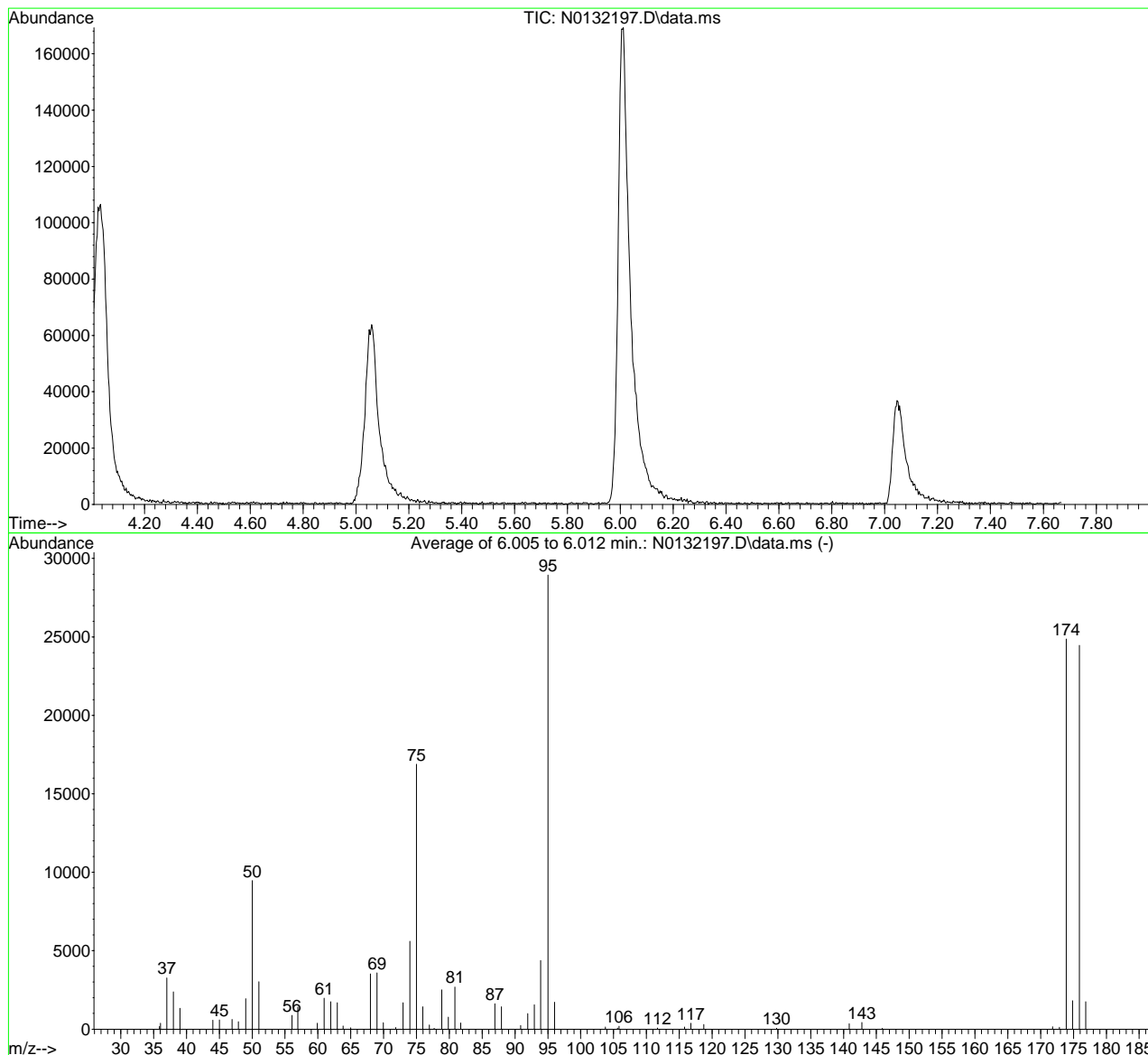
Misc : MS57274,VN6705,,,,,

Multiplr: 1.00

MS Integration Params: rteint.p

Method : C:\msdchem\1\met..._VN6705_082024.M (RTE Integrator)

Title : Standard Methods 6200B



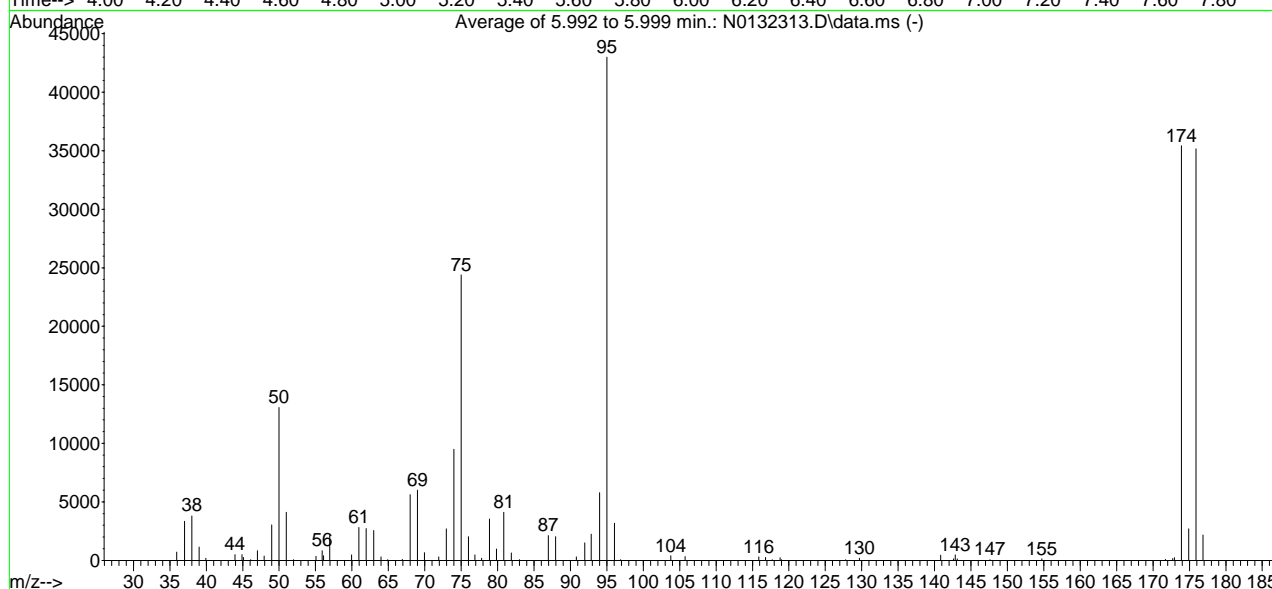
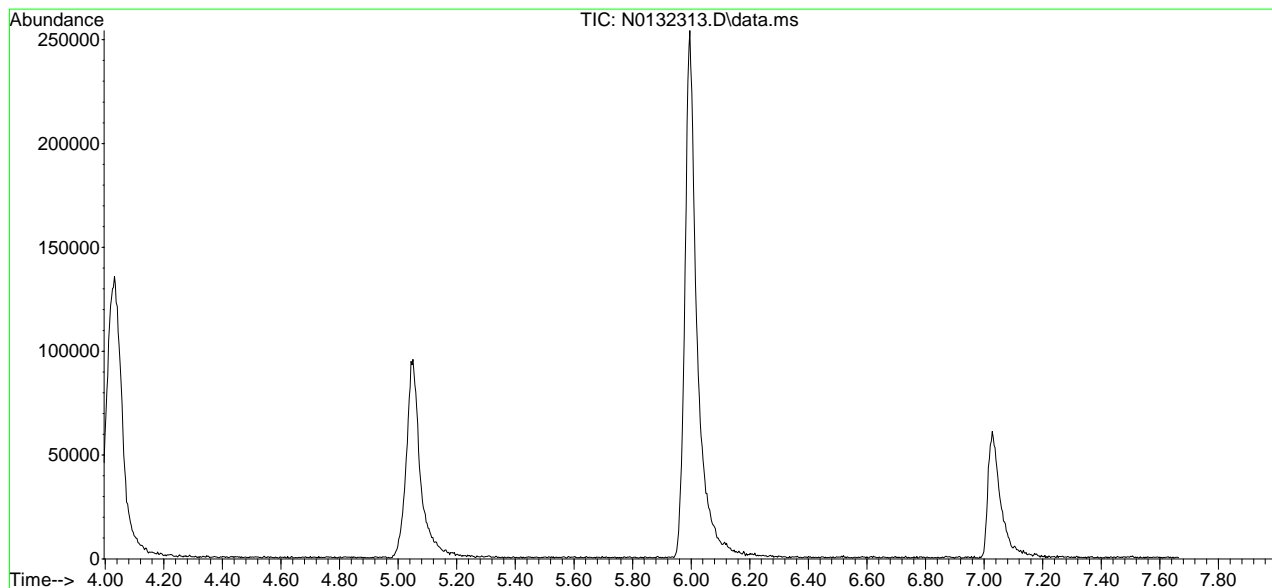
AutoFind: Scans 721, 722, 723; Background Corrected with Scan 702

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
95	95	100	100	100.0	28939	PASS
96	95	5	9	5.9	1718	PASS
173	174	0.00	2	0.5	120	PASS
174	95	50	200	85.9	24867	PASS
175	174	5	9	7.3	1811	PASS
176	174	95	105	98.4	24459	PASS
177	176	5	10	7.1	1743	PASS

Methods: SW-846 8260B

Data File : C:\msdchem\1\data\08-28-24\N0132313.D Vial: 1
 Acq On : 28 Aug 2024 8:53 am Operator: jeniferw
 Sample : BFB Inst : MSVOA6-N
 Misc : MS57365,VN6710,,,,, Multiplr: 1.00
 MS Integration Params: rteint.p

Method : C:\msdchem\1\met..._VN6705_082024.M (RTE Integrator)
 Title : Standard Methods 6200B



AutoFind: Scans 717, 718, 719; Background Corrected with Scan 699

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
95	95	100	100	100.0	42992	PASS
96	95	5	9	7.4	3184	PASS
173	174	0.00	2	0.7	240	PASS
174	95	50	200	82.4	35437	PASS
175	174	5	9	7.6	2706	PASS
176	174	95	105	99.3	35176	PASS
177	176	5	10	6.2	2178	PASS

N0132313.D SIMCL_VN6705_082024.M Wed Aug 28 11:18:33 2024

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\08-20-24\
 Data File : N0132200.D
 Acq On : 20 Aug 2024 10:17 am
 Operator : jeniferw
 Sample : IC6705-3
 Misc : MS57318,VN6705,,,,,
 ALS Vial : 4 Sample Multiplier: 1

Quant Time: Aug 20 11:00:35 2024
 Quant Method : C:\msdchem\1\methods\SIMCL_VN6705_082024.M
 Quant Title : Standard Methods 6200B
 QLast Update : Wed May 22 11:09:52 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	

Internal Standards							
1) Fluorobenzene	6.341	96	46182	5.00	ug/L	0.00	
18) Chlorobenzene-d5	9.519	117	30522	5.00	ug/L	0.00	
System Monitoring Compounds							
13) 1,2-Dichloroethane-d4	6.045	65	21421	6.43	ug/L	0.00	
Spiked Amount	5.000	Range 74 - 125	Recovery	=	128.60%#		
19) Toluene-d8	7.951	98	33133	5.47	ug/L	0.00	
Spiked Amount	5.000	Range 88 - 111	Recovery	=	109.40%		
Target Compounds							
							Qvalue
2) Vinyl Chloride	2.065	62	2279	1.70	ug/L		96
3) Chloromethane	1.982	50	3557	2.28	ug/L		99
4) 1,1-Dichloroethene	3.152	61	2696	1.52	ug/L		89
5) Methylene Chloride	3.718	49	5181	2.31	ug/L		81
6) trans-1,2-Dichloroethene	3.888	61	2171	1.34	ug/L		83
7) 1,1-Dichloroethane	4.492	63	3108	1.41	ug/L		98
8) cis-1,2-Dichloroethene	5.047	96	1281	1.02	ug/L #		79
9) Chloroform	5.303	83	3640	1.37	ug/L		92
10) Carbon Tetrachloride	5.473	117	1305	1.04	ug/L		97
11) 1,1,1-Trichloroethane	5.527	97	1917	1.00	ug/L		89
12) Benzene	5.923	78	4760	1.25	ug/L		93
14) 1,2-Dichloroethane	6.125	62	2409	1.35	ug/L		90
15) Trichloroethene	6.543	95	1301	1.02	ug/L		93
16) 1,2-Dichloropropane	7.052	63	1534	1.40	ug/L		91
17) cis-1,3-Dichloropropene	7.785	75	1038	0.98	ug/L		86
20) trans-1,3-Dichloropropene	8.462	75	856	0.86	ug/L #		71
21) Tetrachloroethene	8.418	166	1339	0.95	ug/L #		96
22) 1,4-Dichlorobenzene	11.909	146	2846	1.00	ug/L #		73
23) 1,2-Dibromo-3-Chloropr...	13.189	75	271m	1.09	ug/L		

(#) = qualifier out of range (m) = manual integration (+) = signals summed

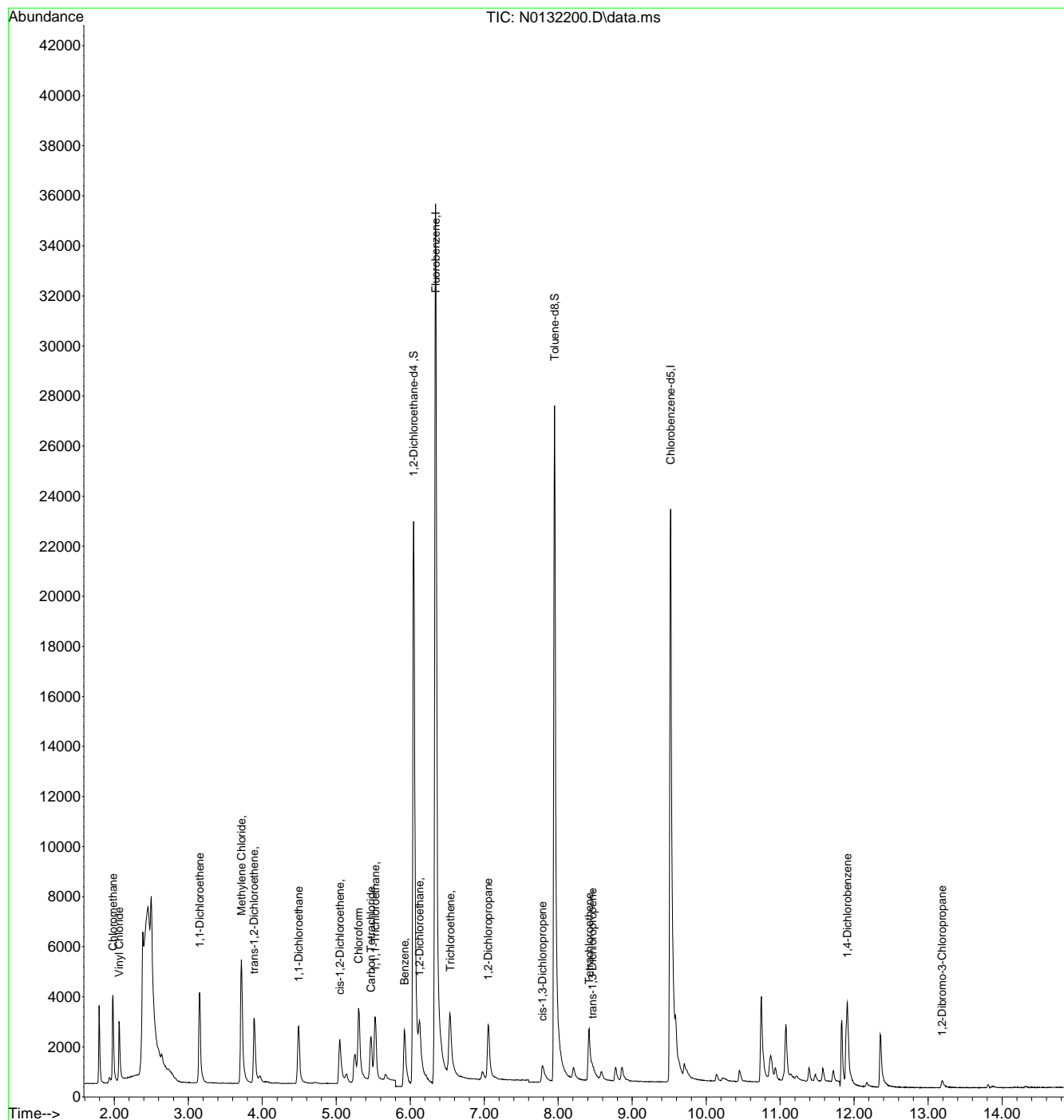
7.6.1
7



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\08-20-24\
 Data File : N0132200.D
 Acq On : 20 Aug 2024 10:17 am
 Operator : jeniferw
 Sample : IC6705-3
 Misc : MS57318,VN6705,,,,,
 ALS Vial : 4 Sample Multiplier: 1

Quant Time: Aug 20 11:00:35 2024
 Quant Method : C:\msdchem\1\methods\SIMCL_VN6705_082024.M
 Quant Title : Standard Methods 6200B
 QLast Update : Wed May 22 11:09:52 2024
 Response via : Initial Calibration

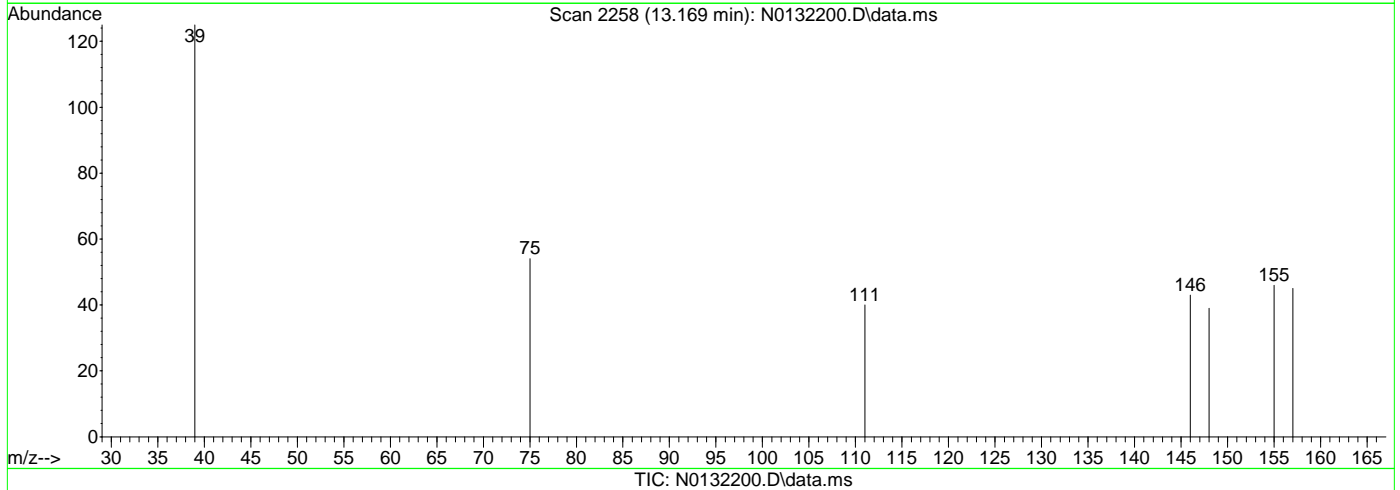
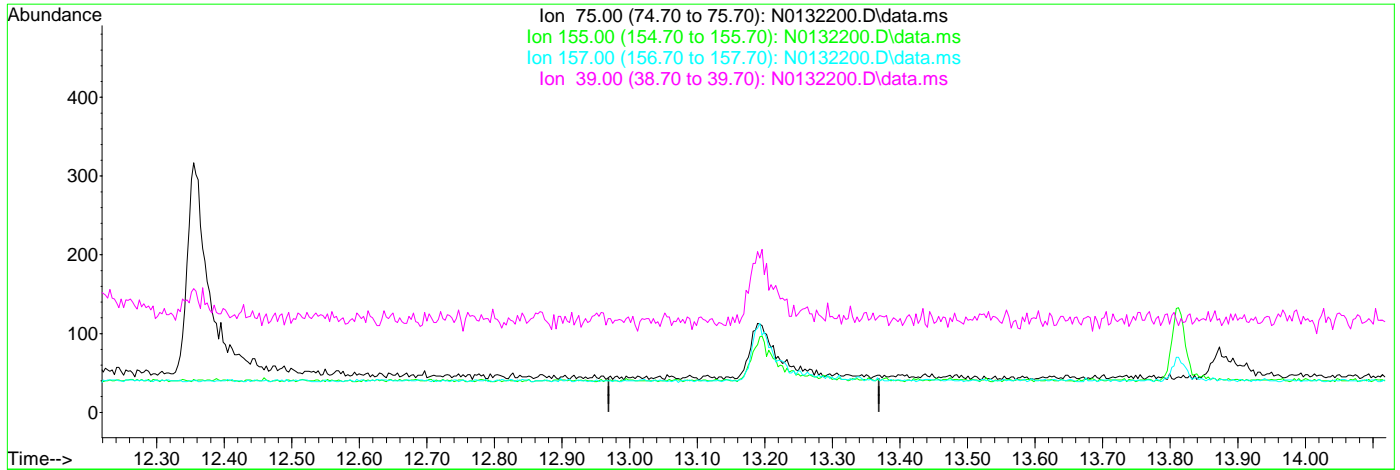


1.9.7

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\08-20-24\
 Data File : N0132200.D
 Acq On : 20 Aug 2024 10:17 am
 Operator : jeniferw
 Sample : IC6705-3
 Misc : MS57274,VN6705,,,,,
 ALS Vial : 4 Sample Multiplier: 1

Quant Time: Aug 20 10:44:20 2024
 Quant Method : C:\msdchem\1\methods\SIMCL_VN6705_082024.M
 Quant Title : Standard Methods 6200B
 QLast Update : Wed May 22 11:09:52 2024
 Response via : Initial Calibration



(23) 1,2-Dibromo-3-Chloropropane

13.169min (-13.169) 0.00ug/L

response 0

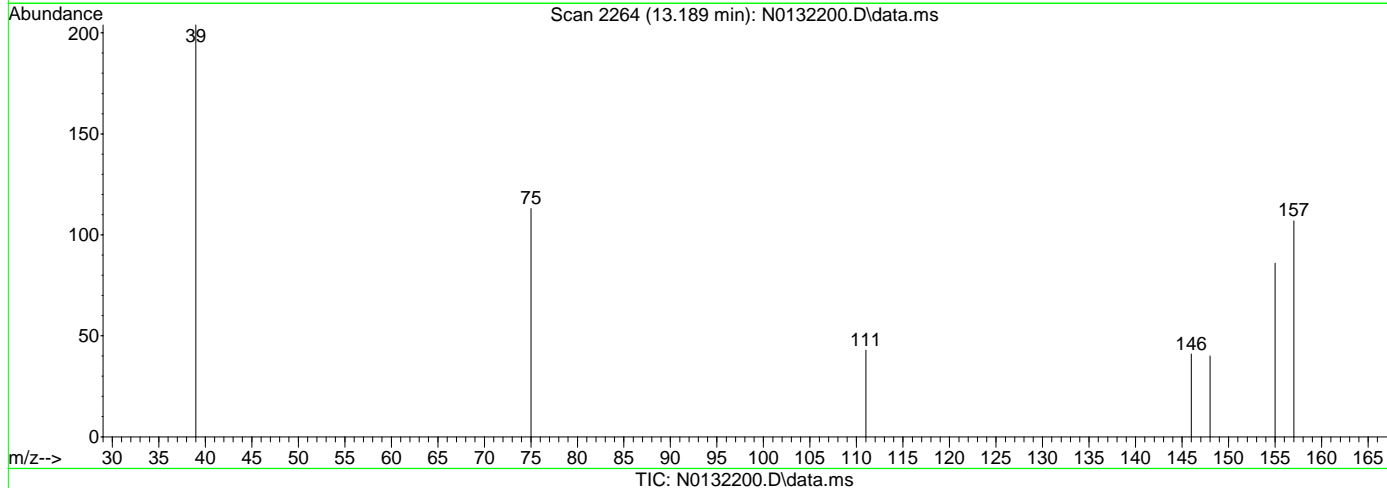
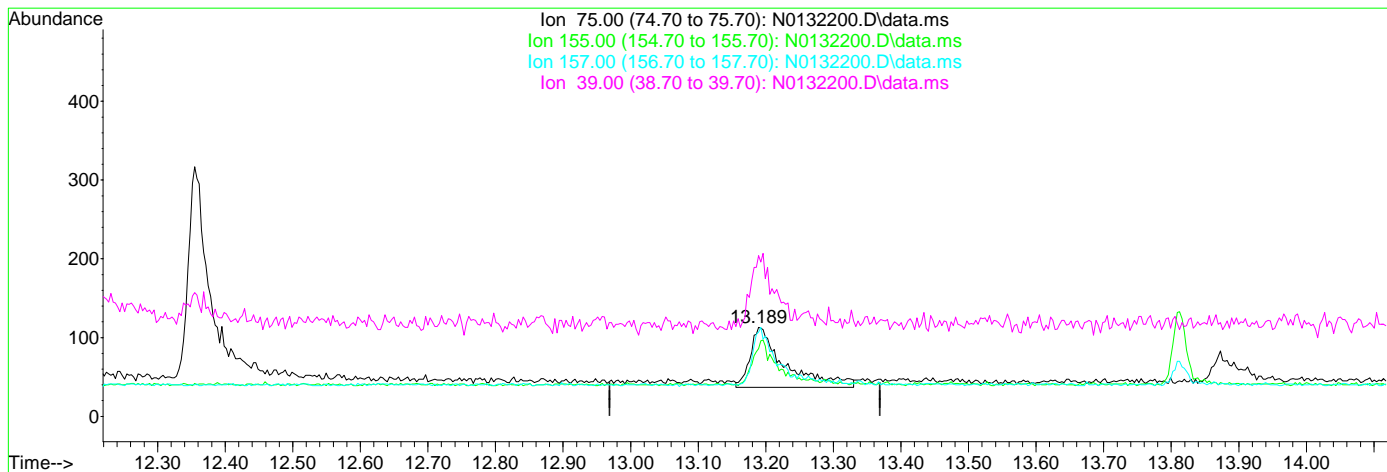
Ion	Exp%	Act%
75.00	100	0.00
155.00	95.00	0.00#
157.00	121.70	0.00#
39.00	85.30	0.00#

7.6.1.1
7

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\08-20-24\
 Data File : N0132200.D
 Acq On : 20 Aug 2024 10:17 am
 Operator : jeniferw
 Sample : IC6705-3
 Misc : MS57274,VN6705,,,,,
 ALS Vial : 4 Sample Multiplier: 1

Quant Time: Aug 20 10:44:20 2024
 Quant Method : C:\msdchem\1\methods\SIMCL_VN6705_082024.M
 Quant Title : Standard Methods 6200B
 QLast Update : Wed May 22 11:09:52 2024
 Response via : Initial Calibration



(23) 1,2-Dibromo-3-Chloropropane

13.189min (+0.020) 1.09ug/L m

response 271

Ion	Exp%	Act%
75.00	100	100
155.00	95.00	76.11
157.00	121.70	94.69
39.00	85.30	180.53#

7.6.1.2
7

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\08-20-24\
 Data File : N0132201.D
 Acq On : 20 Aug 2024 10:41 am
 Operator : jeniferw
 Sample : IC6705-4
 Misc : MS57318,VN6705,,,,,
 ALS Vial : 5 Sample Multiplier: 1

Quant Time: Aug 20 10:59:46 2024
 Quant Method : C:\msdchem\1\methods\SIMCL_VN6705_082024.M
 Quant Title : Standard Methods 6200B
 QLast Update : Wed May 22 11:09:52 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

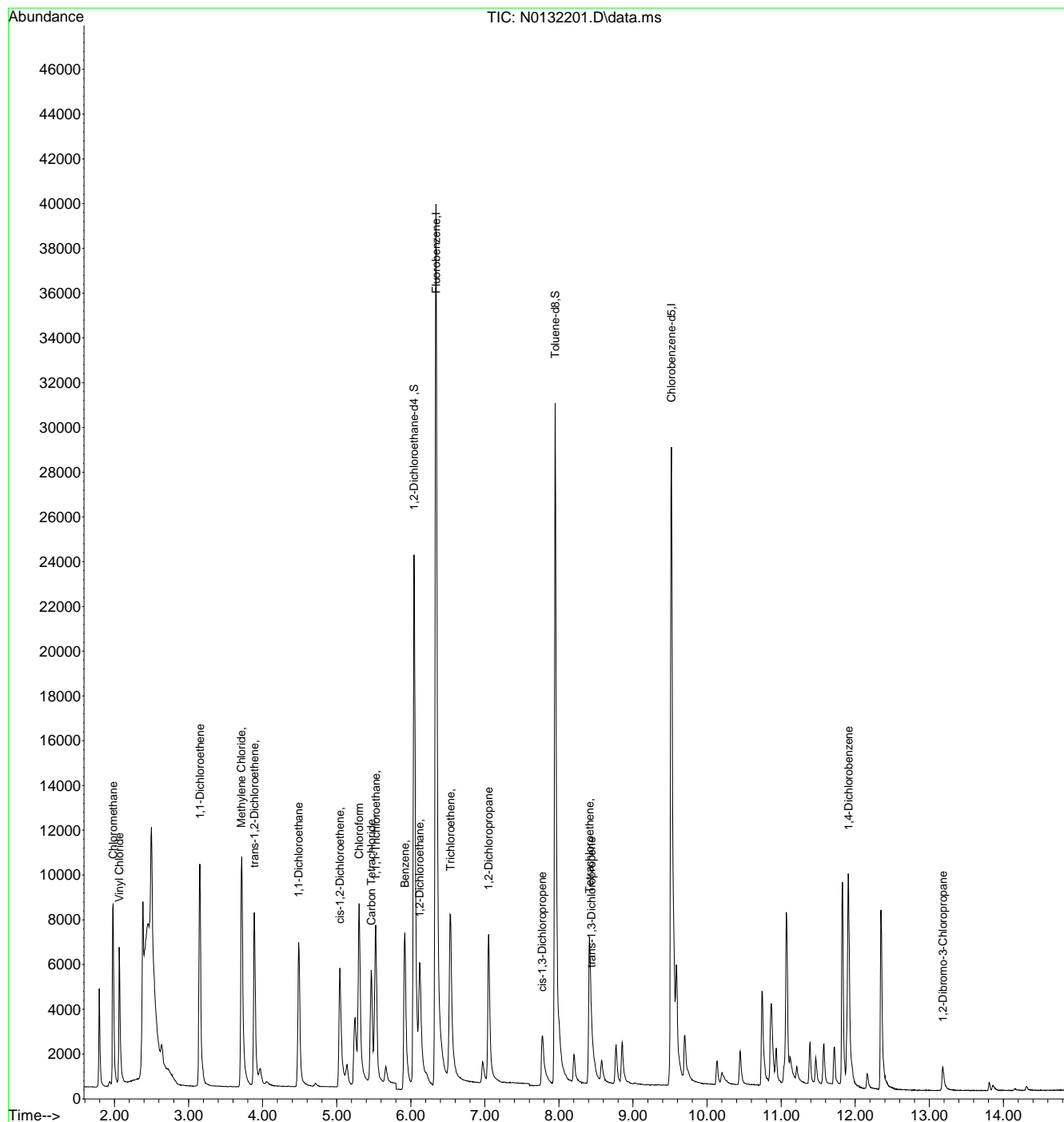
Internal Standards						
1) Fluorobenzene	6.341	96	50648	5.00	ug/L	0.00
18) Chlorobenzene-d5	9.519	117	35540	5.00	ug/L	0.00
System Monitoring Compounds						
13) 1,2-Dichloroethane-d4	6.045	65	22204	6.08	ug/L	0.00
Spiked Amount	5.000	Range 74 - 125	Recovery	=	121.60%	
19) Toluene-d8	7.951	98	35982	5.10	ug/L	0.00
Spiked Amount	5.000	Range 88 - 111	Recovery	=	102.00%	
Target Compounds						
						Qvalue
2) Vinyl Chloride	2.065	62	5841	3.98	ug/L	94
3) Chloromethane	1.982	50	8302	4.86	ug/L	99
4) 1,1-Dichloroethene	3.152	61	7294	3.75	ug/L	91
5) Methylene Chloride	3.712	49	10894	4.43	ug/L	75
6) trans-1,2-Dichloroethene	3.888	61	6014	3.40	ug/L	87
7) 1,1-Dichloroethane	4.487	63	8339	3.45	ug/L	95
8) cis-1,2-Dichloroethene	5.041	96	3496	2.54	ug/L #	77
9) Chloroform	5.303	83	8721	2.99	ug/L	94
10) Carbon Tetrachloride	5.466	117	3737	2.70	ug/L	97
11) 1,1,1-Trichloroethane	5.527	97	5256	2.49	ug/L	89
12) Benzene	5.919	78	13106	3.13	ug/L	90
14) 1,2-Dichloroethane	6.121	62	6527	3.34	ug/L	93
15) Trichloroethene	6.537	95	3617	2.59	ug/L	93
16) 1,2-Dichloropropane	7.053	63	4202	3.49	ug/L	92
17) cis-1,3-Dichloropropene	7.774	75	3251	2.81	ug/L	91
20) trans-1,3-Dichloropropene	8.440	75	3079	2.67	ug/L	89
21) Tetrachloroethene	8.413	166	3763	2.28	ug/L #	96
22) 1,4-Dichlorobenzene	11.909	146	8216	2.47	ug/L	88
23) 1,2-Dibromo-3-Chloropr...	13.183	75	654	2.26	ug/L #	70

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\08-20-24\
 Data File : N0132201.D
 Acq On : 20 Aug 2024 10:41 am
 Operator : jeniferw
 Sample : IC6705-4
 Misc : MS57318,VN6705,,,,,
 ALS Vial : 5 Sample Multiplier: 1

Quant Time: Aug 20 10:59:46 2024
 Quant Method : C:\msdchem\1\methods\SIMCL_VN6705_082024.M
 Quant Title : Standard Methods 6200B
 QLast Update : Wed May 22 11:09:52 2024
 Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\08-20-24\
 Data File : N0132202.D
 Acq On : 20 Aug 2024 11:04 am
 Operator : jeniferw
 Sample : ICC6705-5
 Misc : MS57318,VN6705,,,,,
 ALS Vial : 6 Sample Multiplier: 1

Quant Time: Aug 20 11:20:16 2024
 Quant Method : C:\msdchem\1\methods\SIMCL_VN6705_082024.M
 Quant Title : Standard Methods 6200B
 QLast Update : Wed May 22 11:09:52 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	

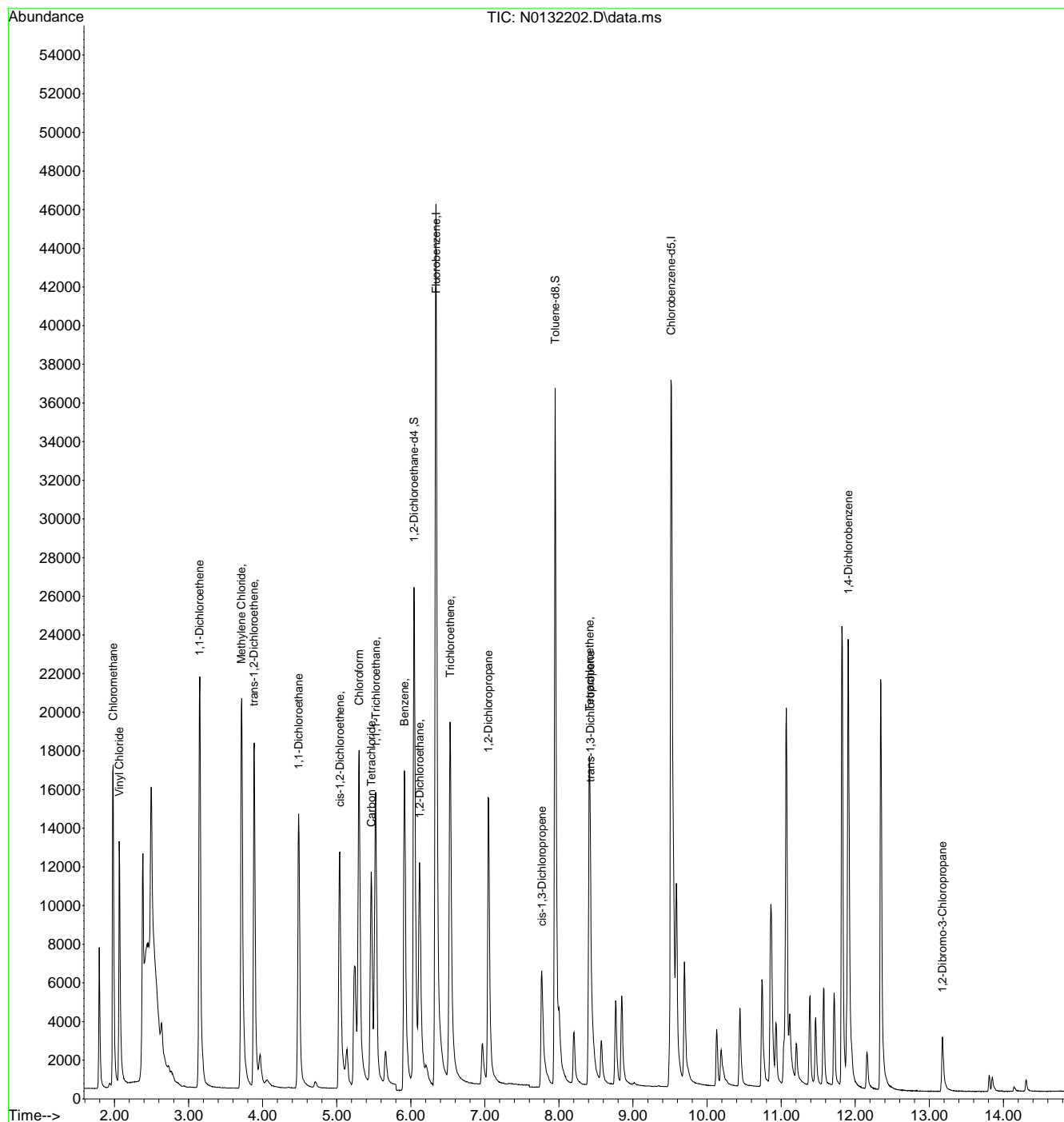
Internal Standards							
1) Fluorobenzene	6.341	96	57601	5.00	ug/L	0.00	
18) Chlorobenzene-d5	9.514	117	36791	5.00	ug/L	0.00	
System Monitoring Compounds							
13) 1,2-Dichloroethane-d4	6.045	65	24119	5.81	ug/L	0.00	
Spiked Amount	5.000	Range	74 - 125	Recovery	=	116.20%	
19) Toluene-d8	7.951	98	40760	5.58	ug/L	0.00	
Spiked Amount	5.000	Range	88 - 111	Recovery	=	111.60%#	
Target Compounds							
							Qvalue
2) Vinyl Chloride	2.065	62	12559	7.52	ug/L		94
3) Chloromethane	1.982	50	17210	8.86	ug/L		99
4) 1,1-Dichloroethene	3.147	61	15828	7.16	ug/L		85
5) Methylene Chloride	3.712	49	21315	7.62	ug/L		75
6) trans-1,2-Dichloroethene	3.883	61	13357	6.63	ug/L		82
7) 1,1-Dichloroethane	4.487	63	17936	6.52	ug/L		96
8) cis-1,2-Dichloroethene	5.042	96	7655	4.88	ug/L #		81
9) Chloroform	5.303	83	17762	5.35	ug/L		94
10) Carbon Tetrachloride	5.466	117	8068	5.13	ug/L		97
11) 1,1,1-Trichloroethane	5.527	97	11455	4.78	ug/L		92
12) Benzene	5.915	78	28737	6.04	ug/L		90
14) 1,2-Dichloroethane	6.121	62	14104	6.35	ug/L		93
15) Trichloroethene	6.531	95	8092	5.10	ug/L		88
16) 1,2-Dichloropropane	7.047	63	9164	6.70	ug/L		93
17) cis-1,3-Dichloropropene	7.769	75	7699	5.84	ug/L		91
20) trans-1,3-Dichloropropene	8.424	75	7735	6.47	ug/L		89
21) Tetrachloroethene	8.413	166	8026	4.71	ug/L #		98
22) 1,4-Dichlorobenzene	11.906	146	18712	5.44	ug/L		91
23) 1,2-Dibromo-3-Chloropr...	13.176	75	1582	5.29	ug/L #		72

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\08-20-24\
Data File : N0132202.D
Acq On : 20 Aug 2024 11:04 am
Operator : jeniferw
Sample : ICC6705-5
Misc : MS57318,VN6705,,,,,
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Aug 20 11:20:16 2024
Quant Method : C:\msdchem\1\methods\SIMCL_VN6705_082024.M
Quant Title : Standard Methods 6200B
QLast Update : Wed May 22 11:09:52 2024
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\08-20-24\
 Data File : N0132203.D
 Acq On : 20 Aug 2024 11:28 am
 Operator : jeniferw
 Sample : IC6705-6
 Misc : MS57318,VN6705,,,,,
 ALS Vial : 7 Sample Multiplier: 1

Quant Time: Aug 20 11:51:08 2024
 Quant Method : C:\msdchem\1\methods\SIMCL_VN6705_082024.M
 Quant Title : Standard Methods 6200B
 QLast Update : Wed May 22 11:09:52 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

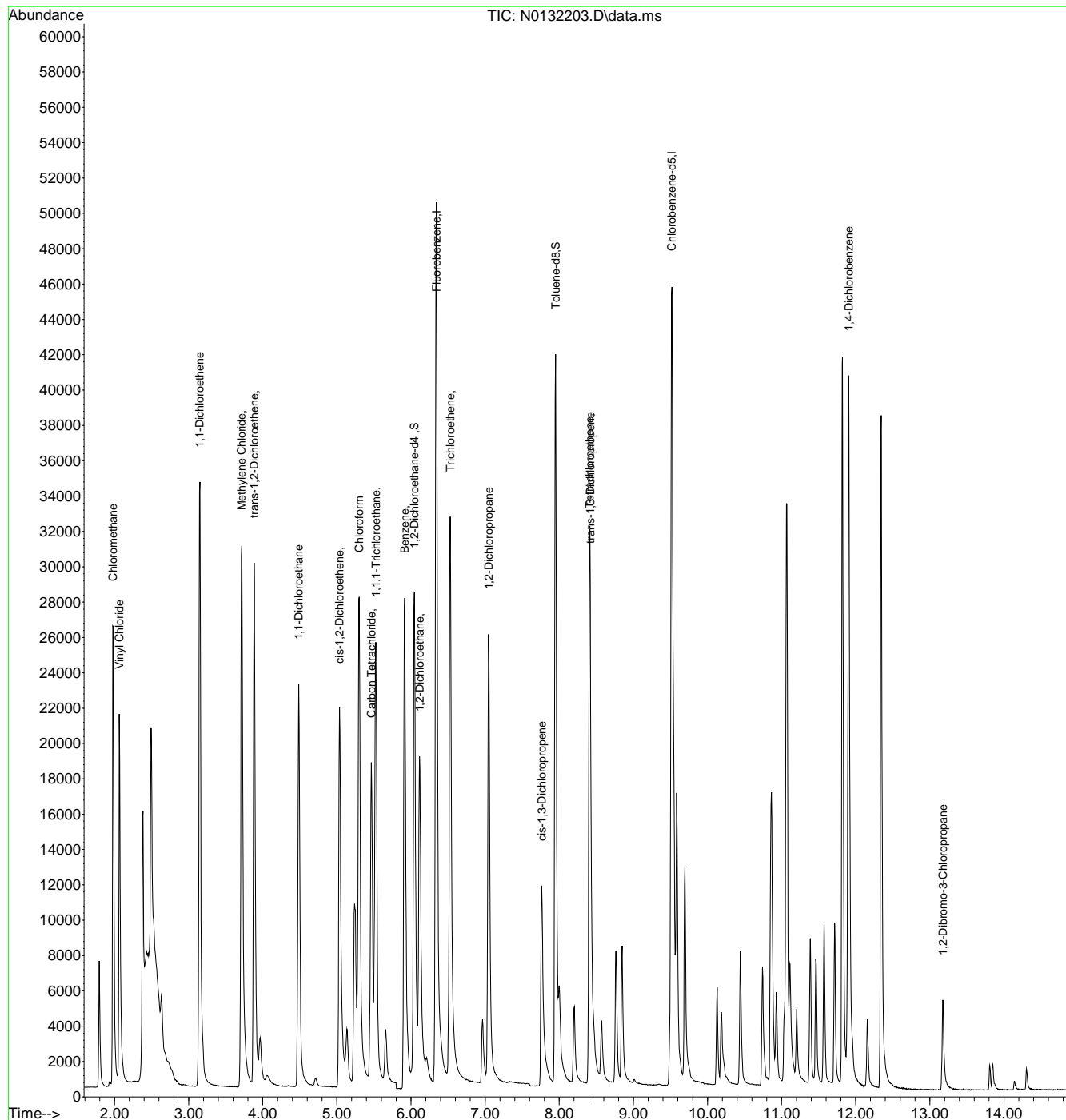
Internal Standards						
1) Fluorobenzene	6.341	96	62820	5.00	ug/L	0.00
18) Chlorobenzene-d5	9.514	117	41500	5.00	ug/L	0.00
System Monitoring Compounds						
13) 1,2-Dichloroethane-d4	6.045	65	26036	5.75	ug/L	0.00
Spiked Amount	5.000	Range 74 - 125	Recovery	=	115.00%	
19) Toluene-d8	7.951	98	45907	5.57	ug/L	0.00
Spiked Amount	5.000	Range 88 - 111	Recovery	=	111.40%#	
Target Compounds						
						Qvalue
2) Vinyl Chloride	2.065	62	20844	11.45	ug/L	94
3) Chloromethane	1.977	50	27127	12.80	ug/L	99
4) 1,1-Dichloroethene	3.147	61	25712	10.66	ug/L	86
5) Methylene Chloride	3.712	49	32479	10.65	ug/L	76
6) trans-1,2-Dichloroethene	3.883	61	21918	9.98	ug/L	84
7) 1,1-Dichloroethane	4.487	63	28686	9.56	ug/L	98
8) cis-1,2-Dichloroethene	5.036	96	12700	7.43	ug/L #	75
9) Chloroform	5.303	83	28040	7.75	ug/L	96
10) Carbon Tetrachloride	5.466	117	13283	7.75	ug/L	96
11) 1,1,1-Trichloroethane	5.527	97	18815	7.20	ug/L	91
12) Benzene	5.915	78	46884	9.04	ug/L	92
14) 1,2-Dichloroethane	6.116	62	22194	9.17	ug/L	93
15) Trichloroethene	6.531	95	13449	7.77	ug/L	90
16) 1,2-Dichloropropane	7.047	63	14788	9.92	ug/L	93
17) cis-1,3-Dichloropropene	7.764	75	13326	9.28	ug/L	90
20) trans-1,3-Dichloropropene	8.418	75	13780	10.23	ug/L	89
21) Tetrachloroethene	8.407	166	13210	6.87	ug/L #	98
22) 1,4-Dichlorobenzene	11.906	146	30877	7.96	ug/L	93
23) 1,2-Dibromo-3-Chloropr...	13.176	75	2628	7.79	ug/L	77

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\08-20-24\
 Data File : N0132203.D
 Acq On : 20 Aug 2024 11:28 am
 Operator : jeniferw
 Sample : IC6705-6
 Misc : MS57318,VN6705,,,,,
 ALS Vial : 7 Sample Multiplier: 1

Quant Time: Aug 20 11:51:08 2024
 Quant Method : C:\msdchem\1\methods\SIMCL_VN6705_082024.M
 Quant Title : Standard Methods 6200B
 QLast Update : Wed May 22 11:09:52 2024
 Response via : Initial Calibration



7.6.4
7



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\08-20-24\
 Data File : N0132204.D
 Acq On : 20 Aug 2024 11:51 am
 Operator : jeniferw
 Sample : IC6705-7
 Misc : MS57318,VN6705,,,,,
 ALS Vial : 8 Sample Multiplier: 1

Quant Time: Aug 20 12:07:12 2024
 Quant Method : C:\msdchem\1\methods\SIMCL_VN6705_082024.M
 Quant Title : Standard Methods 6200B
 QLast Update : Tue Aug 20 11:59:16 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	

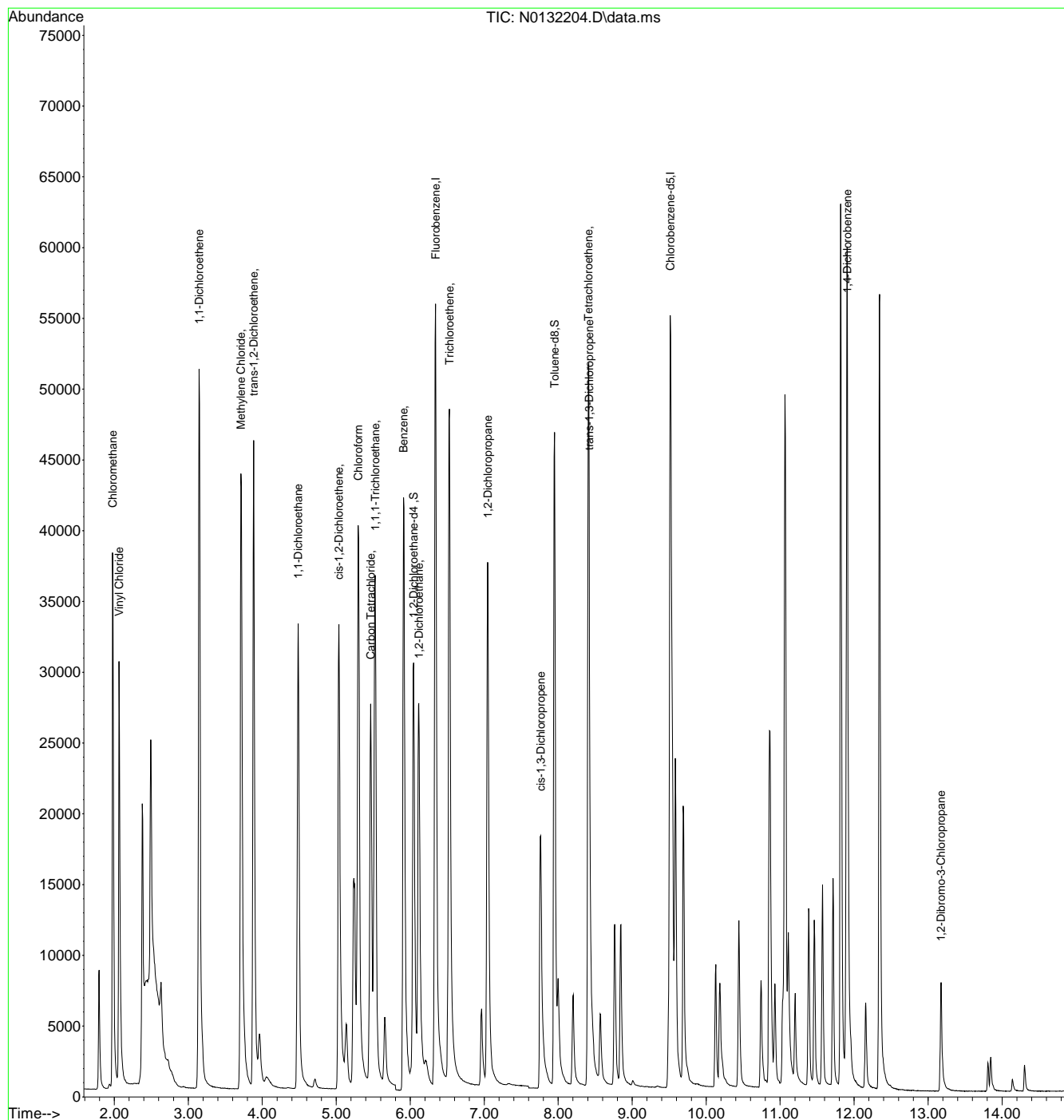
Internal Standards							
1) Fluorobenzene	6.341	96	69391	5.00	ug/L	0.00	
18) Chlorobenzene-d5	9.514	117	46307	5.00	ug/L	0.00	
System Monitoring Compounds							
13) 1,2-Dichloroethane-d4	6.045	65	27853	4.48	ug/L	0.00	
Spiked Amount	5.000	Range 74 - 125	Recovery	=	89.60%		
19) Toluene-d8	7.951	98	50729	4.98	ug/L	0.00	
Spiked Amount	5.000	Range 88 - 111	Recovery	=	99.60%		
Target Compounds							
							Qvalue
2) Vinyl Chloride	2.065	62	29031	14.67	ug/L		99
3) Chloromethane	1.977	50	37619	13.89	ug/L		97
4) 1,1-Dichloroethene	3.147	61	37603	17.34	ug/L		96
5) Methylene Chloride	3.712	49	45706	15.45	ug/L		96
6) trans-1,2-Dichloroethene	3.883	61	32274	17.55	ug/L		96
7) 1,1-Dichloroethane	4.487	63	41444	16.53	ug/L		98
8) cis-1,2-Dichloroethene	5.036	96	18767	17.98	ug/L		98
9) Chloroform	5.296	83	40115	13.76	ug/L		96
10) Carbon Tetrachloride	5.466	117	19636	18.02	ug/L		99
11) 1,1,1-Trichloroethane	5.527	97	27467	17.28	ug/L		99
12) Benzene	5.910	78	69333	17.40	ug/L		100
14) 1,2-Dichloroethane	6.116	62	31799	17.96	ug/L		99
15) Trichloroethene	6.531	95	19716	17.66	ug/L		96
16) 1,2-Dichloropropane	7.047	63	21581	18.03	ug/L		99
17) cis-1,3-Dichloropropene	7.763	75	20502	22.35	ug/L		99
20) trans-1,3-Dichloropropene	8.418	75	21425	26.00	ug/L		97
21) Tetrachloroethene	8.407	166	19204	16.95	ug/L #		97
22) 1,4-Dichlorobenzene	11.906	146	44673	18.33	ug/L		96
23) 1,2-Dibromo-3-Chloropr...	13.172	75	3812	18.20	ug/L		96

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\08-20-24\
 Data File : N0132204.D
 Acq On : 20 Aug 2024 11:51 am
 Operator : jeniferw
 Sample : IC6705-7
 Misc : MS57318,VN6705,,,,,
 ALS Vial : 8 Sample Multiplier: 1

Quant Time: Aug 20 12:07:12 2024
 Quant Method : C:\msdchem\1\methods\SIMCL_VN6705_082024.M
 Quant Title : Standard Methods 6200B
 QLast Update : Tue Aug 20 11:59:16 2024
 Response via : Initial Calibration



7.6.5
7



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\08-20-24\
 Data File : N0132207.D
 Acq On : 20 Aug 2024 1:05 pm
 Operator : jeniferw
 Sample : IC6705-1
 Misc : MS57318,VN6705,,,,,
 ALS Vial : 11 Sample Multiplier: 1

Quant Time: Aug 20 13:21:18 2024
 Quant Method : C:\msdchem\1\methods\SIMCL_VN6705_082024.M
 Quant Title : Standard Methods 6200B
 QLast Update : Tue Aug 20 12:28:26 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	

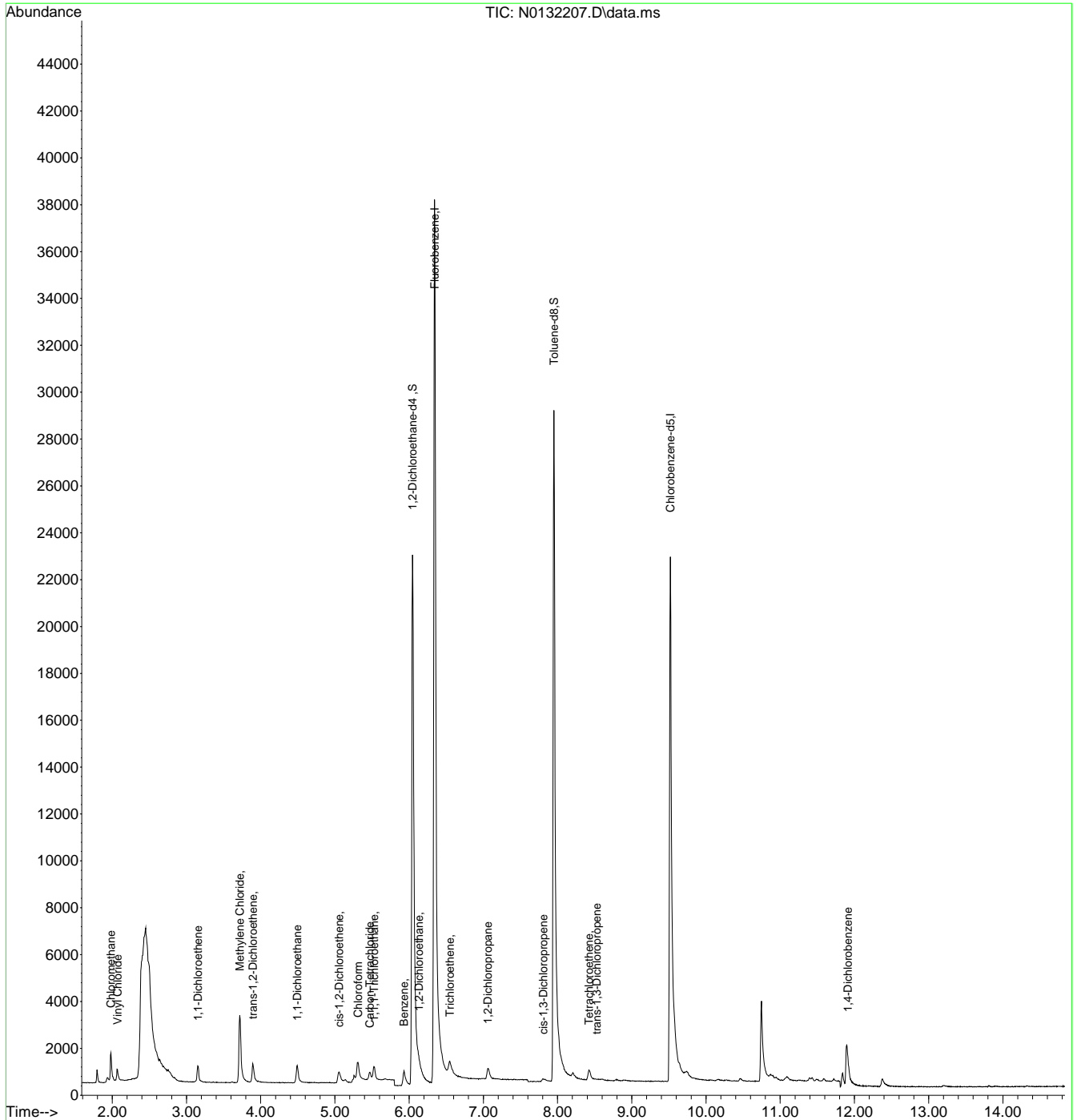
Internal Standards							
1) Fluorobenzene	6.341	96	49779	5.00	ug/L	0.00	
18) Chlorobenzene-d5	9.519	117	31002	5.00	ug/L	0.00	
System Monitoring Compounds							
13) 1,2-Dichloroethane-d4	6.045	65	21712	4.94	ug/L	0.00	
Spiked Amount	5.000	Range 74 - 125	Recovery	=	98.80%		
19) Toluene-d8	7.951	98	36102	5.30	ug/L	0.00	
Spiked Amount	5.000	Range 88 - 111	Recovery	=	106.00%		
Target Compounds							
							Qvalue
2) Vinyl Chloride	2.070	62	522	0.38	ug/L		95
3) Chloromethane	1.982	50	1298	0.70	ug/L		97
4) 1,1-Dichloroethene	3.152	61	535	0.38	ug/L		94
5) Methylene Chloride	3.718	49	3088	1.52	ug/L		93
6) trans-1,2-Dichloroethene	3.894	61	698	0.54	ug/L		95
7) 1,1-Dichloroethane	4.492	63	957	0.55	ug/L		91
8) cis-1,2-Dichloroethene	5.058	96	335	0.45	ug/L		95
9) Chloroform	5.310	83	1449	0.73	ug/L		94
10) Carbon Tetrachloride	5.473	117	253	0.33	ug/L		94
11) 1,1,1-Trichloroethane	5.527	97	441	0.40	ug/L		91
12) Benzene	5.931	78	1563	0.56	ug/L		97
14) 1,2-Dichloroethane	6.129	62	319	0.25	ug/L		80
15) Trichloroethene	6.549	95	410	0.52	ug/L		96
16) 1,2-Dichloropropane	7.058	63	373	0.44	ug/L		88
17) cis-1,3-Dichloropropene	7.807	75	217	0.32	ug/L		73
20) trans-1,3-Dichloropropene	8.528	75	94	0.16	ug/L		74
21) Tetrachloroethene	8.424	166	328	0.44	ug/L #		91
22) 1,4-Dichlorobenzene	11.913	146	897	0.56	ug/L #		26

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\08-20-24\
 Data File : N0132207.D
 Acq On : 20 Aug 2024 1:05 pm
 Operator : jeniferw
 Sample : IC6705-1
 Misc : MS57318,VN6705,,,,,
 ALS Vial : 11 Sample Multiplier: 1

Quant Time: Aug 20 13:21:18 2024
 Quant Method : C:\msdchem\1\methods\SIMCL_VN6705_082024.M
 Quant Title : Standard Methods 6200B
 QLast Update : Tue Aug 20 12:28:26 2024
 Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\08-20-24\
 Data File : N0132208.D
 Acq On : 20 Aug 2024 1:28 pm
 Operator : jeniferw
 Sample : IC6705-2
 Misc : MS57318,VN6705,,,,,
 ALS Vial : 12 Sample Multiplier: 1

Quant Time: Aug 20 13:44:15 2024
 Quant Method : C:\msdchem\1\methods\SIMCL_VN6705_082024.M
 Quant Title : Standard Methods 6200B
 QLast Update : Tue Aug 20 13:23:25 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	Qvalue

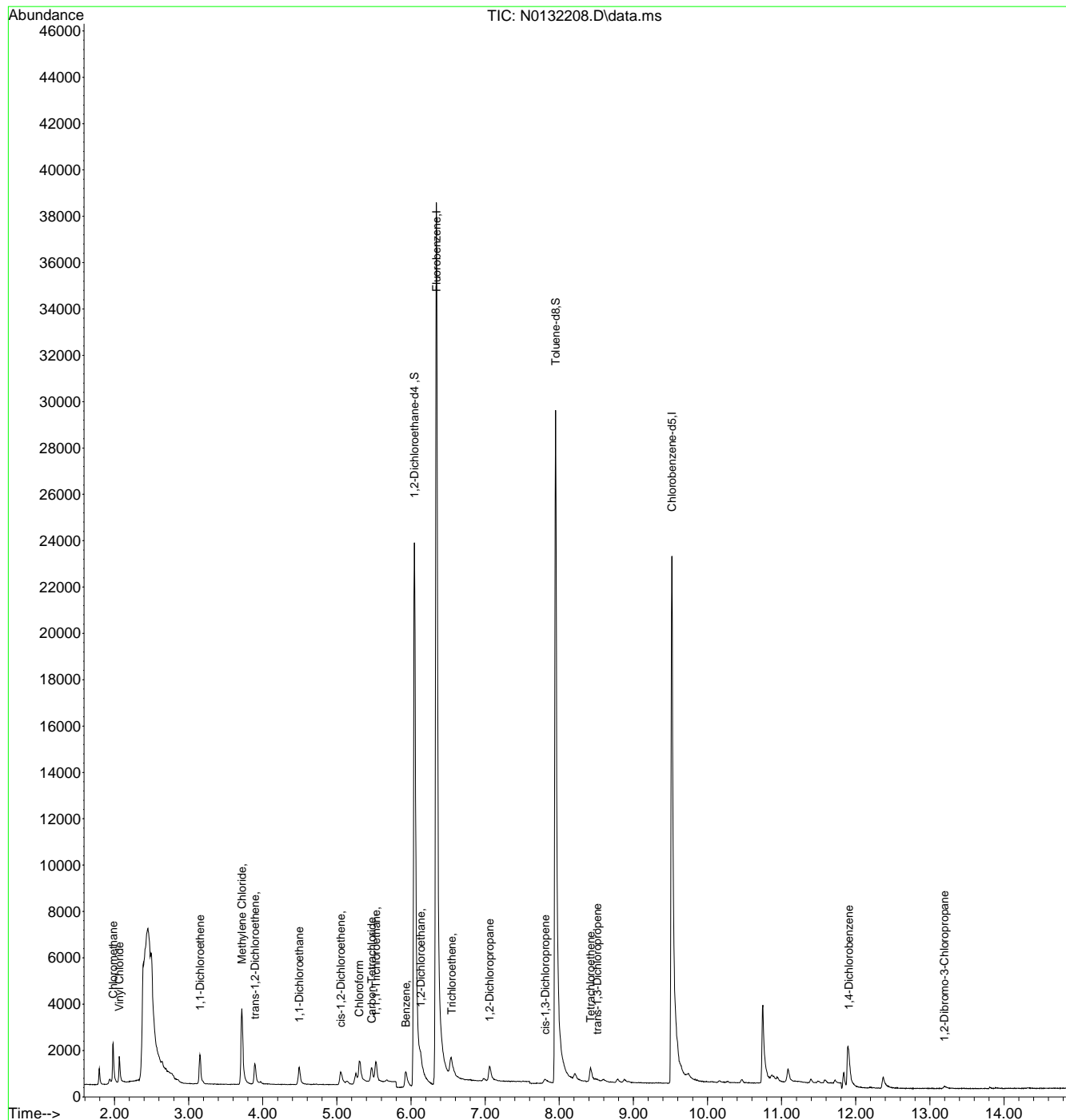
Internal Standards							
1) Fluorobenzene	6.341	96	50625	5.00	ug/L	0.00	
18) Chlorobenzene-d5	9.519	117	31825	5.00	ug/L	0.00	
System Monitoring Compounds							
13) 1,2-Dichloroethane-d4	6.045	65	22163	5.02	ug/L	0.00	
Spiked Amount	5.000	Range 74 - 125	Recovery	=	100.40%		
19) Toluene-d8	7.950	98	36684	5.24	ug/L	0.00	
Spiked Amount	5.000	Range 88 - 111	Recovery	=	104.80%		
Target Compounds							
2) Vinyl Chloride	2.065	62	1030	0.92	ug/L	99	
3) Chloromethane	1.982	50	1890	1.01	ug/L	99	
4) 1,1-Dichloroethene	3.152	61	929	0.60	ug/L	88	
5) Methylene Chloride	3.718	49	3350	1.63	ug/L	88	
6) trans-1,2-Dichloroethene	3.894	61	770	0.59	ug/L	95	
7) 1,1-Dichloroethane	4.492	63	1009	0.57	ug/L	96	
8) cis-1,2-Dichloroethene	5.052	96	467	0.62	ug/L	94	
9) Chloroform	5.303	83	1576	0.78	ug/L	93	
10) Carbon Tetrachloride	5.473	117	471	0.60	ug/L	97	
11) 1,1,1-Trichloroethane	5.527	97	672	0.59	ug/L	94	
12) Benzene	5.931	78	1712	0.60	ug/L	96	
14) 1,2-Dichloroethane	6.129	62	723	0.56	ug/L	98	
15) Trichloroethene	6.548	95	489	0.61	ug/L	93	
16) 1,2-Dichloropropane	7.058	63	526	0.61	ug/L	92	
17) cis-1,3-Dichloropropene	7.813	75	347	0.51	ug/L	78	
20) trans-1,3-Dichloropropene	8.512	75	218	0.37	ug/L #	59	
21) Tetrachloroethene	8.424	166	449	0.59	ug/L #	96	
22) 1,4-Dichlorobenzene	11.909	146	1037	0.63	ug/L #	32	
23) 1,2-Dibromo-3-Chloropr...	13.196	75	123m	0.87	ug/L		

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\08-20-24\
 Data File : N0132208.D
 Acq On : 20 Aug 2024 1:28 pm
 Operator : jeniferw
 Sample : IC6705-2
 Misc : MS57318,VN6705,,,,,
 ALS Vial : 12 Sample Multiplier: 1

Quant Time: Aug 20 13:44:15 2024
 Quant Method : C:\msdchem\1\methods\SIMCL_VN6705_082024.M
 Quant Title : Standard Methods 6200B
 QLast Update : Tue Aug 20 13:23:25 2024
 Response via : Initial Calibration



7.6.7



Manual Integration Approval Summary

Sample Number: VN6705-IC6705 **Method:** SW846 8260D BY SIM
Lab FileID: N0132208.D **Analyst approved:** 08/20/24 14:18 Jenifer Willis
Injection Time: 08/20/24 13:28 **Supervisor approved:** 08/20/24 14:44 Karen Watson

Parameter	CAS	Sig#	R.T. (min.)	Reason
1,2-Dibromo-3-chloropropane	96-12-8		13.20	Missed peak

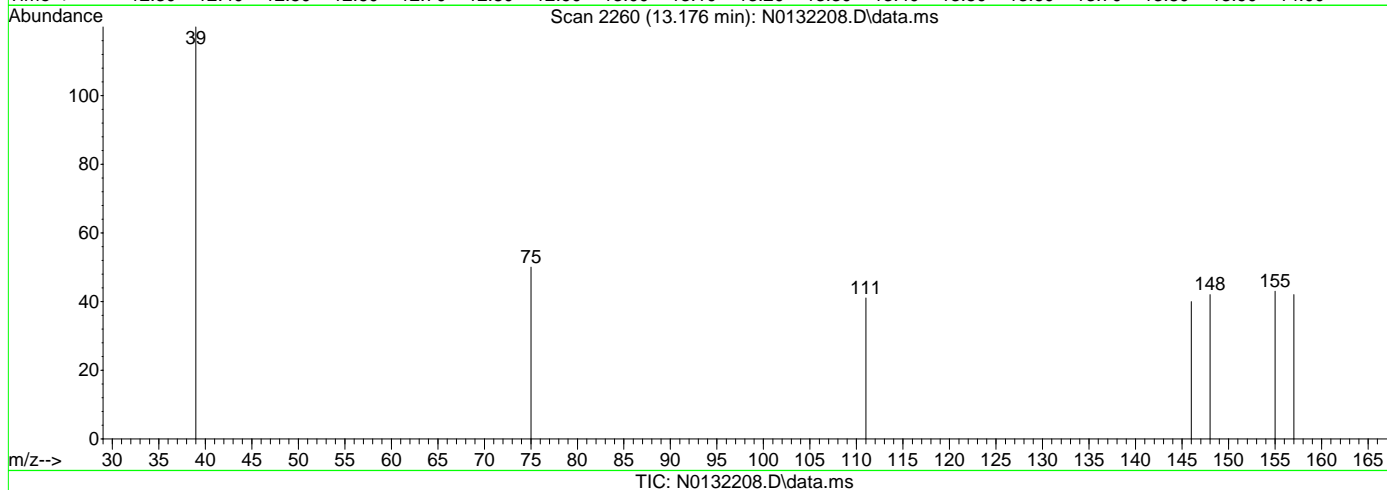
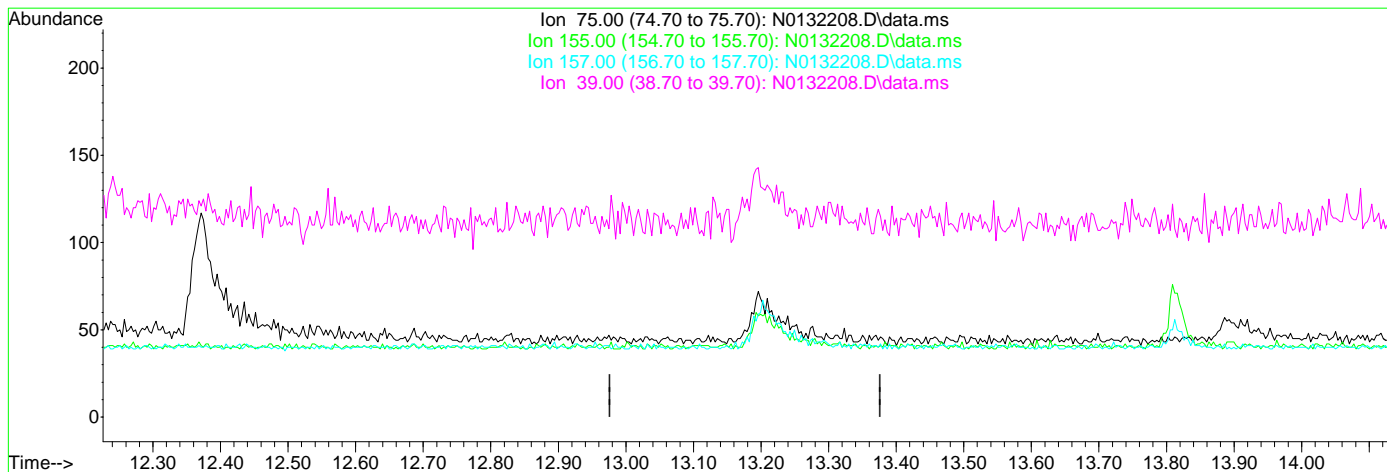
7.6.7.1

7

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\08-20-24\
 Data File : N0132208.D
 Acq On : 20 Aug 2024 1:28 pm
 Operator : jeniferw
 Sample : IC6705-2
 Misc : MS57274,VN6705,,,,,
 ALS Vial : 12 Sample Multiplier: 1

Quant Time: Aug 20 13:44:05 2024
 Quant Method : C:\msdchem\1\methods\SIMCL_VN6705_082024.M
 Quant Title : Standard Methods 6200B
 QLast Update : Tue Aug 20 13:23:25 2024
 Response via : Initial Calibration



(23) 1,2-Dibromo-3-Chloropropane

13.176min (-13.176) 0.00ug/L

response 0

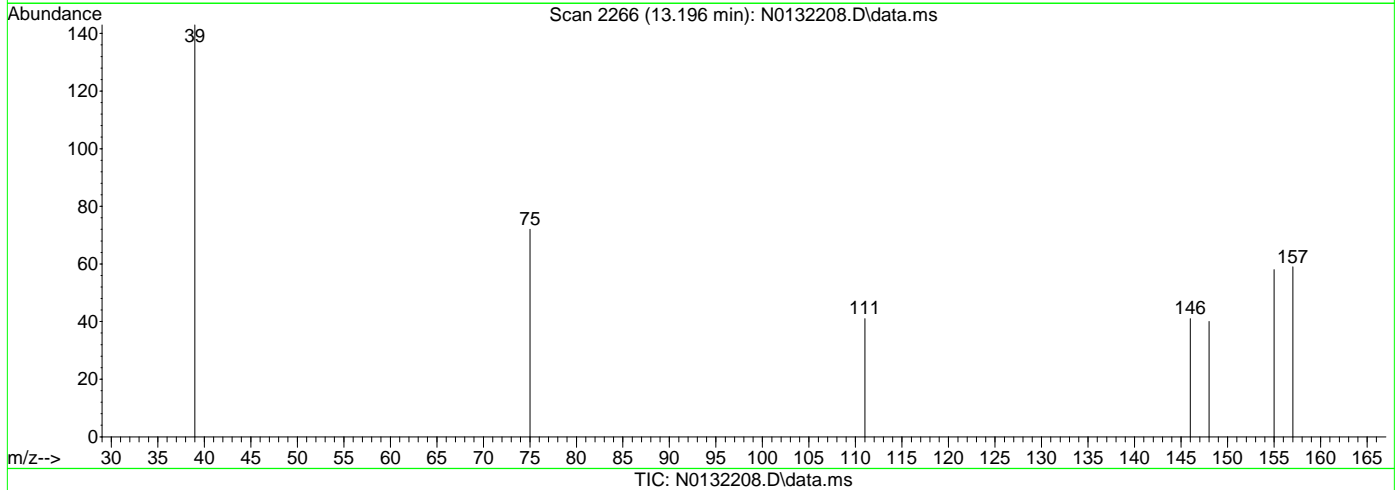
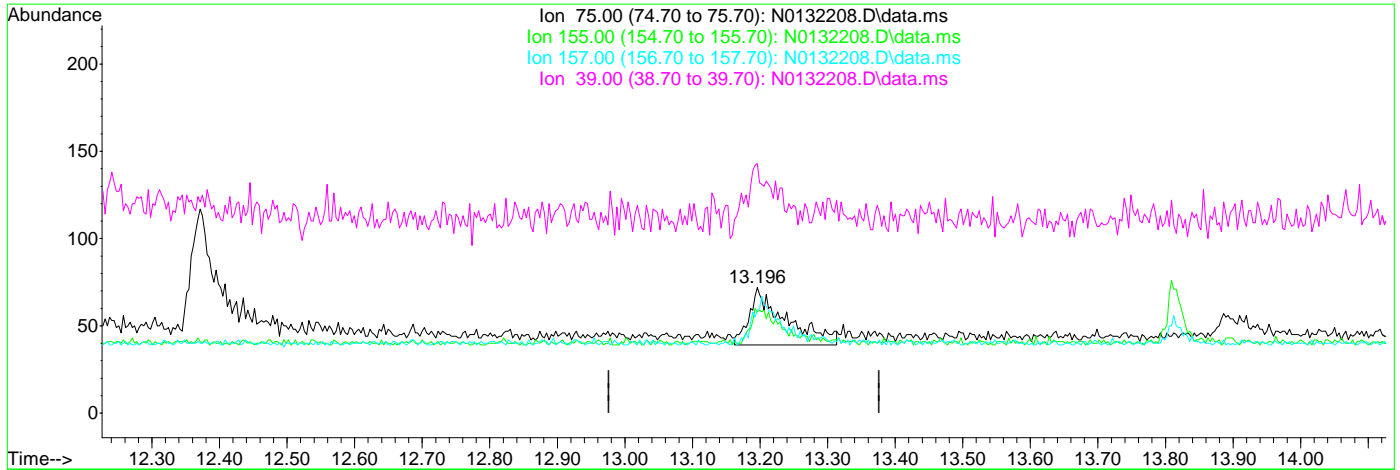
Ion	Exp%	Act%
75.00	100	0.00
155.00	72.00	0.00#
157.00	87.40	0.00#
39.00	113.50	0.00#

7.6.7.2
7

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\08-20-24\
 Data File : N0132208.D
 Acq On : 20 Aug 2024 1:28 pm
 Operator : jeniferw
 Sample : IC6705-2
 Misc : MS57274,VN6705,,,,,
 ALS Vial : 12 Sample Multiplier: 1

Quant Time: Aug 20 13:44:05 2024
 Quant Method : C:\msdchem\1\methods\SIMCL_VN6705_082024.M
 Quant Title : Standard Methods 6200B
 QLast Update : Tue Aug 20 13:23:25 2024
 Response via : Initial Calibration



(23) 1,2-Dibromo-3-Chloropropane

13.196min (+0.020) 0.87ug/L m

response 123

Ion	Exp%	Act%
75.00	100	100
155.00	72.00	80.56
157.00	87.40	81.94
39.00	113.50	198.61#

7.6.7.3
7

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\08-20-24\
 Data File : N0132209.D
 Acq On : 20 Aug 2024 1:52 pm
 Operator : jeniferw
 Sample : ICV6705-5
 Misc : MS57318,VN6705,,,,,
 ALS Vial : 13 Sample Multiplier: 1

Quant Time: Aug 20 14:07:51 2024
 Quant Method : C:\msdchem\1\methods\SIMCL_VN6705_082024.M
 Quant Title : Standard Methods 6200B
 QLast Update : Tue Aug 20 14:01:28 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	

Internal Standards							
1) Fluorobenzene	6.341	96	60876	5.00	ug/L	0.00	
18) Chlorobenzene-d5	9.519	117	38477	5.00	ug/L	0.00	
System Monitoring Compounds							
13) 1,2-Dichloroethane-d4	6.045	65	24856	4.75	ug/L	0.00	
Spiked Amount	5.000	Range 74 - 125	Recovery	=	95.00%		
19) Toluene-d8	7.950	98	44023	5.18	ug/L	0.00	
Spiked Amount	5.000	Range 88 - 111	Recovery	=	103.60%		
Target Compounds							
							Qvalue
2) Vinyl Chloride	2.065	62	11230	8.34	ug/L		100
3) Chloromethane	1.977	50	14558	8.09	ug/L		99
4) 1,1-Dichloroethene	3.147	61	18570	10.37	ug/L		99
5) Methylene Chloride	3.712	49	25489	10.75	ug/L		99
6) trans-1,2-Dichloroethene	3.883	61	16100	10.77	ug/L		99
7) 1,1-Dichloroethane	4.487	63	21110	10.51	ug/L		100
8) cis-1,2-Dichloroethene	5.041	96	9214	10.51	ug/L		96
9) Chloroform	5.303	83	21095	10.63	ug/L		99
10) Carbon Tetrachloride	5.466	117	9791	10.75	ug/L		97
11) 1,1,1-Trichloroethane	5.527	97	14177	10.94	ug/L		100
12) Benzene	5.915	78	34837	10.71	ug/L		99
14) 1,2-Dichloroethane	6.120	62	16914	11.01	ug/L		98
15) Trichloroethene	6.531	95	10005	10.93	ug/L		99
16) 1,2-Dichloropropane	7.046	63	11103	10.82	ug/L		99
17) cis-1,3-Dichloropropene	7.769	75	9207	11.33	ug/L		99
20) trans-1,3-Dichloropropene	8.424	75	8519	10.99	ug/L		97
21) Tetrachloroethene	8.407	166	10078	11.63	ug/L #		97
22) 1,4-Dichlorobenzene	11.906	146	22317	11.35	ug/L		99
23) 1,2-Dibromo-3-Chloropr...	13.179	75	1753	10.88	ug/L		98

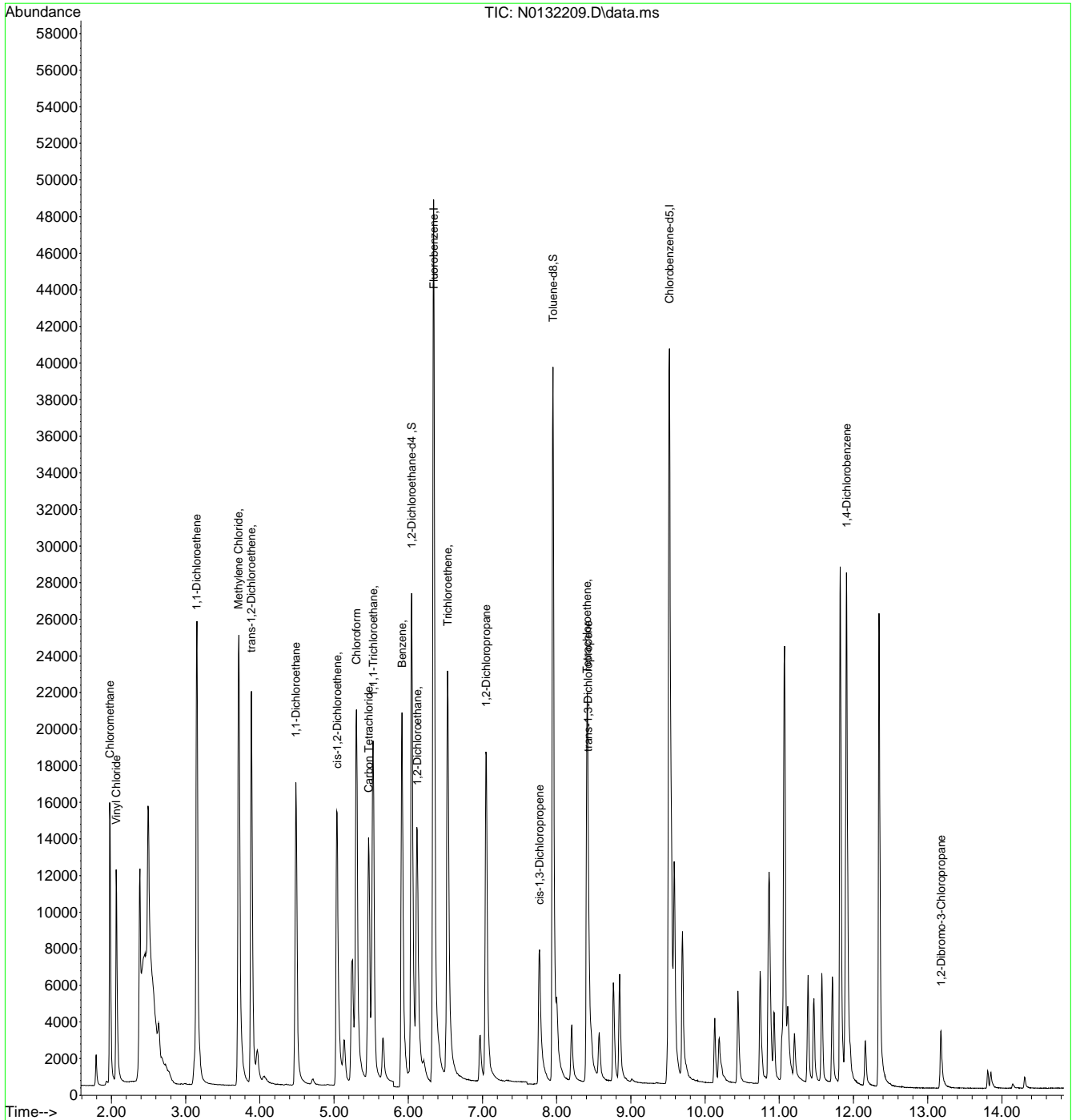
(#) = qualifier out of range (m) = manual integration (+) = signals summed

7.6.8
7

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\08-20-24\
 Data File : N0132209.D
 Acq On : 20 Aug 2024 1:52 pm
 Operator : jeniferw
 Sample : ICV6705-5
 Misc : MS57318,VN6705,,,,,
 ALS Vial : 13 Sample Multiplier: 1

Quant Time: Aug 20 14:07:51 2024
 Quant Method : C:\msdchem\1\methods\SIMCL_VN6705_082024.M
 Quant Title : Standard Methods 6200B
 QLast Update : Tue Aug 20 14:01:28 2024
 Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\08-28-24\
 Data File : N0132314.D
 Acq On : 28 Aug 2024 9:18 am
 Operator : jeniferw
 Sample : CC6705-5
 Misc : MS57365,VN6710,,,,,
 ALS Vial : 2 Sample Multiplier: 1

Quant Time: Aug 28 10:12:37 2024
 Quant Method : C:\msdchem\1\methods\SIMCL_VN6705_082024.M
 Quant Title : Standard Methods 6200B
 QLast Update : Tue Aug 20 14:01:28 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	

Internal Standards							
1) Fluorobenzene	6.335	96	57946	5.00	ug/L	0.00	
18) Chlorobenzene-d5	9.514	117	37980	5.00	ug/L	0.00	
System Monitoring Compounds							
13) 1,2-Dichloroethane-d4	6.041	65	24057	4.83	ug/L	0.00	
Spiked Amount	5.000	Range 74 - 125	Recovery	=	96.60%		
19) Toluene-d8	7.945	98	42010	5.01	ug/L	0.00	
Spiked Amount	5.000	Range 88 - 111	Recovery	=	100.20%		
Target Compounds							
							Qvalue
2) Vinyl Chloride	2.059	62	19542	15.24	ug/L		97
3) Chloromethane	1.977	50	20392	11.91	ug/L		100
4) 1,1-Dichloroethene	3.147	61	15926	9.34	ug/L		92
5) Methylene Chloride	3.712	49	25119	11.24	ug/L		90
6) trans-1,2-Dichloroethene	3.882	61	14062	9.88	ug/L		94
7) 1,1-Dichloroethane	4.481	63	19043	9.96	ug/L		100
8) cis-1,2-Dichloroethene	5.036	96	8396	10.06	ug/L		98
9) Chloroform	5.296	83	18955	9.93	ug/L		98
10) Carbon Tetrachloride	5.466	117	7564	8.73	ug/L		99
11) 1,1,1-Trichloroethane	5.520	97	11749	9.53	ug/L		96
12) Benzene	5.910	78	30549	9.87	ug/L		100
14) 1,2-Dichloroethane	6.116	62	14305	9.79	ug/L		98
15) Trichloroethene	6.531	95	8596	9.87	ug/L		98
16) 1,2-Dichloropropane	7.046	63	9522	9.75	ug/L		99
17) cis-1,3-Dichloropropene	7.763	75	8017	10.37	ug/L		99
20) trans-1,3-Dichloropropene	8.418	75	7894	10.43	ug/L		95
21) Tetrachloroethene	8.407	166	8678	10.15	ug/L #		96
22) 1,4-Dichlorobenzene	11.902	146	20537	10.58	ug/L		99
23) 1,2-Dibromo-3-Chloropr...	13.172	75	1442	9.07	ug/L		96

(#) = qualifier out of range (m) = manual integration (+) = signals summed

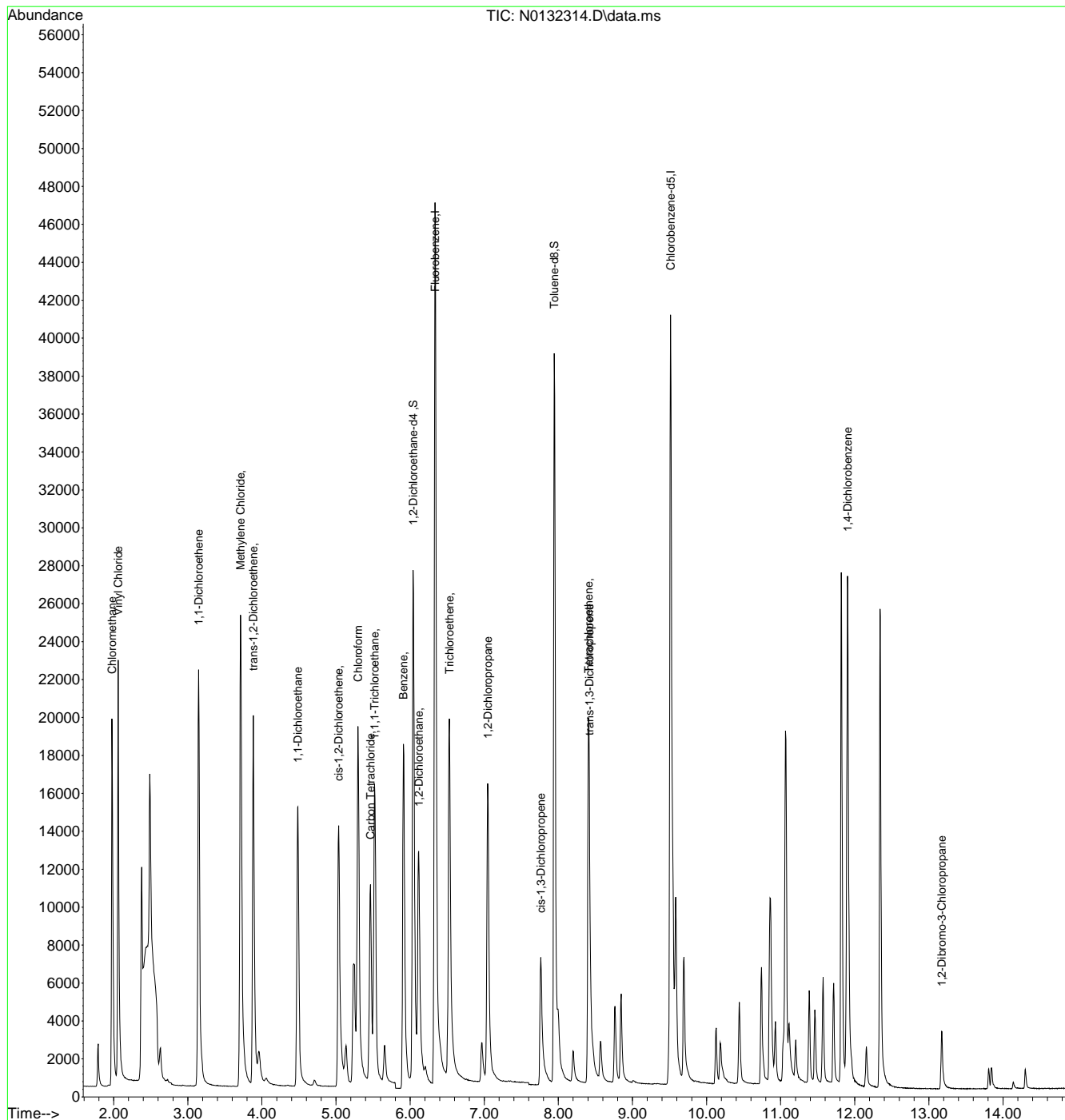


7.6.9
7

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\08-28-24\
 Data File : N0132314.D
 Acq On : 28 Aug 2024 9:18 am
 Operator : jeniferw
 Sample : CC6705-5
 Misc : MS57365,VN6710,,,,,
 ALS Vial : 2 Sample Multiplier: 1

Quant Time: Aug 28 10:12:37 2024
 Quant Method : C:\msdchem\1\methods\SIMCL_VN6705_082024.M
 Quant Title : Standard Methods 6200B
 QLast Update : Tue Aug 20 14:01:28 2024
 Response via : Initial Calibration



6'9'7

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\08-28-24\
 Data File : N0132340.D
 Acq On : 28 Aug 2024 8:06 pm
 Operator : jeniferw
 Sample : ECC6705-5
 Misc : MS57378,VN6710,,,,,
 ALS Vial : 28 Sample Multiplier: 1

Quant Time: Aug 29 05:52:48 2024
 Quant Method : C:\msdchem\1\methods\SIMCL_VN6705_082024.M
 Quant Title : Standard Methods 6200B
 QLast Update : Tue Aug 20 14:01:28 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	

Internal Standards							
1) Fluorobenzene	6.341	96	54621	5.00	ug/L	0.00	
18) Chlorobenzene-d5	9.514	117	35072	5.00	ug/L	0.00	
System Monitoring Compounds							
13) 1,2-Dichloroethane-d4	6.041	65	23692	5.04	ug/L	0.00	
Spiked Amount	5.000	Range 74 - 125	Recovery	=	100.80%		
19) Toluene-d8	7.945	98	38828	5.02	ug/L	0.00	
Spiked Amount	5.000	Range 88 - 111	Recovery	=	100.40%		
Target Compounds							
							Qvalue
2) Vinyl Chloride	2.059	62	18263	15.11	ug/L		97
3) Chloromethane	1.977	50	19863	12.31	ug/L		99
4) 1,1-Dichloroethene	3.147	61	14959	9.31	ug/L		91
5) Methylene Chloride	3.712	49	35405	20.89	ug/L		89
6) trans-1,2-Dichloroethene	3.882	61	13214	9.85	ug/L		96
7) 1,1-Dichloroethane	4.487	63	18106	10.05	ug/L		99
8) cis-1,2-Dichloroethene	5.036	96	7770	9.88	ug/L		98
9) Chloroform	5.296	83	18108	10.08	ug/L		98
10) Carbon Tetrachloride	5.466	117	7223	8.84	ug/L		98
11) 1,1,1-Trichloroethane	5.520	97	11232	9.66	ug/L		95
12) Benzene	5.915	78	29380	10.07	ug/L		96
14) 1,2-Dichloroethane	6.116	62	14288	10.37	ug/L		99
15) Trichloroethene	6.531	95	8232	10.02	ug/L		98
16) 1,2-Dichloropropane	7.046	63	9175	9.97	ug/L		99
17) cis-1,3-Dichloropropene	7.763	75	6856	9.41	ug/L		98
20) trans-1,3-Dichloropropene	8.424	75	6662	9.67	ug/L		96
21) Tetrachloroethene	8.407	166	7983	10.11	ug/L #		97
22) 1,4-Dichlorobenzene	11.906	146	19362	10.80	ug/L		97
23) 1,2-Dibromo-3-Chloropr...	13.176	75	1401	9.54	ug/L		95

(#) = qualifier out of range (m) = manual integration (+) = signals summed

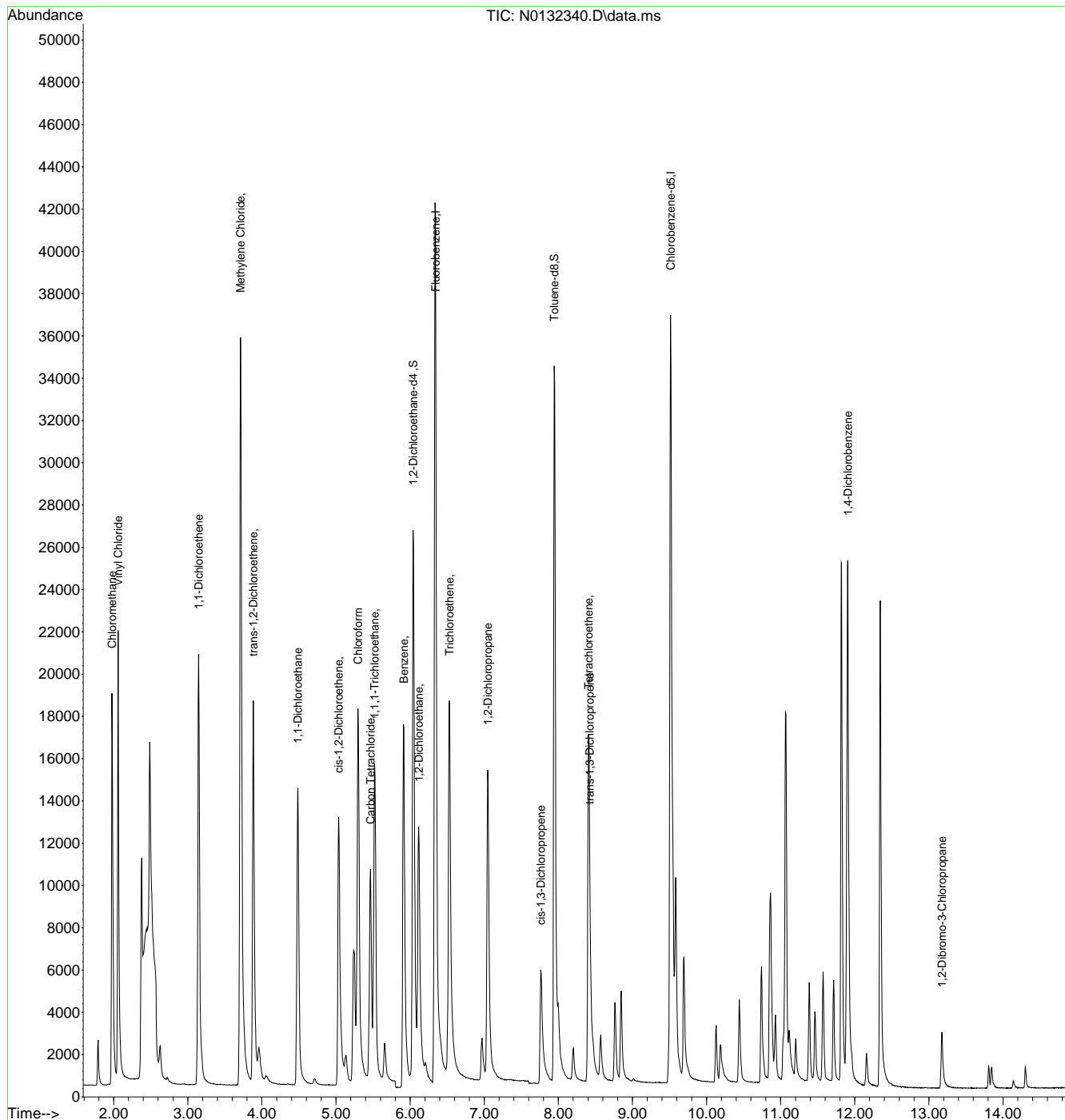
7.6.10
7



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\08-28-24\
 Data File : N0132340.D
 Acq On : 28 Aug 2024 8:06 pm
 Operator : jeniferw
 Sample : ECC6705-5
 Misc : MS57378,VN6710,,,,,
 ALS Vial : 28 Sample Multiplier: 1

Quant Time: Aug 29 05:52:48 2024
 Quant Method : C:\msdchem\1\methods\SIMCL_VN6705_082024.M
 Quant Title : Standard Methods 6200B
 QLast Update : Tue Aug 20 14:01:28 2024
 Response via : Initial Calibration



7.6.10
7



SGS -ORLANDO

VOA-GC/MS ANALYSIS LOG

Instrument:	MS-VOAB-N
Date:	08/20/2024
Analyst:	Jenifer W
Column Type:	RTX/MS
Detector:	5975C-MSD
Purge Pressure:	
Purge Volume:	5mL

Method(s):	SIMCL
Method File:	SIMCL_VN6705_08202024.M
Calibration Date:	08/20/2024
Acq. Method:	ACQ_SIMCLB
EM Voltage:	1353V
Run ID:	VN6705

BFB:	VS4050
ICAL/CC:	, VS4168, VS4175
ICV/BS:	, VS4167, VS4176
ISTD/Surr.:	VS4180
Data processed by:	Jenifer W
Sample ID Ver. by:	Jenifer W
Date Verified:	08/20/2024
pH Paper Lot#:	230320A/211623A
KI Paper Lot#:	14-860 03/13/23
AFA Lot#:	VS3860

Data File	Sample ID	Dilution Factor	Vial #	Matrix	A.S. Pos.	Work Group	pH	CI? (Y/N)	RR	Comments and Manually Integrated Peaks (Peak # and Rational)
N0132197	BFB	-	-	Water	1	-	-	-	-	10uL→40mL Autolind Tune Passed
N0132198	IC6705-1	-	-	Water	2	-	-	-	-	1uL→100mL MP#2; High recoveries. Re-prep and analyze
N0132199	IC6705-2	-	-	Water	3	-	-	-	-	5uL→100mL MP#23; High recoveries. Re-prep and analyze
N0132200	IC6705-3	-	-	Water	4	-	-	-	-	10uL→50mL MP#23 ✓
N0132201	IC6705-4	-	-	Water	5	-	-	-	-	25uL→50mL ✓
N0132202	IC6705-5	-	-	Water	6	-	-	-	-	50uL→50mL ✓
N0132203	IC6705-6	-	-	Water	7	-	-	-	-	75uL→50mL ✓
N0132204	IC6705-7	-	-	Water	8	-	-	-	-	100uL→50mL ✓
N0132205	rinse	-	-	Water	9	-	-	-	-	
N0132206	rinse	-	-	Water	10	-	-	-	-	
N0132207	IC6705-1	-	-	Water	11	-	-	-	-	1uL→100mL ✓
N0132208	IC6705-2	-	-	Water	12	-	-	-	-	5uL→100mL MP#23 ✓
N0132209	ICV6705-5	-	-	Water	13	-	-	-	-	50uL→50mL ✓

Matrix: Designate "W" for Water, "S" for soil, "O" for Oil, "L" for Non-aqueous Liquid, and "TCLP" or "SPLP" for Leachate
Manual Integration Rational: SOP QA029: MP Missed Peak, OP Overlapping Peak, SP Split Peak, PDB Priority Defined Baseline, BR Baseline Ripple, PII Poor Instrument



SGS -ORLANDO

VOA-GCMS ANALYSIS LOG

Instrument:	MS-VOAB-N
Date:	08/28/2024
Analyst:	Jennifer W
Column Type	RTX/MS
Detector	5975C-MSD
Purge Pressure	
Purge Volume	5mL

Method(s):	SIMCL
Method File:	SIMCL_VN6705_08202024.M
Calibration Date:	08/20/2024
Acq. Method:	ACQ_SIMCLb
EM Voltage:	1353V
Run ID:	VN6710

BFB:	VS4050
ICAL/CC:	, VS4183, VS4198
ICV/BS:	, VS4167, VS4199
ISTD/Surr.:	VS4180
Data processed by:	Jennifer W
Sample ID Ver. by:	Jennifer W
Date Verified:	08/28/2024

Data File	Sample ID	Dilution Factor	Vial #	Matrix	A.S. Pos.	Work Group	pH	CI? (Y/N)	RR	Comments and Manually Integrated Peaks (Peak # and Rational)
N0132313	BFB	-	-	Water	1	-	-	-	-	10uL→40mL Autotune Passed
N0132314	CC6705-5	-	-	Water	2	-	-	-	-	50uL→50mL ✓
N0132315	BS	-	-	Water	3	-	-	-	-	25uL→50mL ✓
N0132316	rinse	-	-	Water	4	-	-	-	-	
N0132317	MB	-	-	Water	5	-	-	-	-	ND✓
N0132318	FC18258-1	-	1	Water	6	MSS7378	1	N	-	✓
N0132319	FC18255-5	-	1	Water	7	MSS7378	1	N	-	✓
N0132320	FC18255-1	-	1	Water	8	MSS7378	1	N	-	✓
N0132321	FC18255-2	-	1	Water	9	MSS7378	1	N	-	PBL#9 ✓
N0132322	FC18255-3	-	1	Water	10	MSS7378	1	N	-	PBL#9 ✓
N0132323	FC18255-4	-	1	Water	11	MSS7378	1	N	-	PBL#9 ✓
N0132324	FC18153-8	-	1	Water	12	MSS7378	1	N	-	PBL#9 ✓
N0132325	FC18258-2	-	1	Water	13	MSS7378	1	N	-	PBL#9 ✓
N0132326	FC18258-3	-	1	Water	14	MSS7378	1	N	-	PBL#9 ✓
N0132327	FC18260-18	-	1	Water	15	MSS7378	1	N	-	✓
N0132328	FC18260-19	-	1	Water	16	MSS7378	1	N	-	PBL#9 ✓
N0132329	FC18260-20	-	1	Water	17	MSS7378	1	N	-	PBL#12 ✓
N0132330	FC18260-21	-	1	Water	18	MSS7378	1	N	-	PBL#9 ✓
N0132331	FC18260-22	-	1	Water	19	MSS7378	1	N	-	PBL#9 ✓
N0132332	FC18260-23	-	1	Water	20	MSS7378	1	N	-	PBL#9 ✓
N0132333	FC18260-24	-	1	Water	21	MSS7378	1	N	-	PBL#9 ✓
N0132334	FC18260-25	-	1	Water	22	MSS7378	1	N	-	PBL#9 ✓
N0132335	FC18260-26	-	1	Water	23	MSS7378	1	N	-	PBL#9,12 ✓
N0132336	FC18260-27	-	1	Water	24	MSS7378	1	N	-	PBL#9 ✓
N0132337	FC18260-28	-	1	Water	25	MSS7378	1	N	-	PBL#9 ✓
N0132338	FC18255-2MS	5X	1	Water	26	MSS7378	1	N	-	20mL→100mL spike 50uL→100mL ✓
N0132339	FC18255-2MSD	5X	1	Water	27	MSS7378	1	N	-	20mL→100mL spike 50uL→100mL ✓
N0132340	ECC6705-5	-	-	Water	28	-	-	-	-	50uL→50mL ✓

Matrix: Designate "W" for Water, "S" for soil, "O" for Oil, "L" for Non-aqueous Liquid, and "TCLP" or "SPLP" for Leachate
 Manual Integration Rational SOP QA029: IIP Missed Peak, OP Overlapping Peak, SP Split Peak, PDB Poorly Defined Baseline, BR Baseline Ripple, PII Poor Instrument

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

e-Hardcopy 2.0
Automated Report

Technical Report for

Ahtna Global, LLC

Fort Ord Groundwater Monitoring

21187.001.01.0000 (FFO 2024 Q3) OUCTP-Upper

SGS Job Number: FC18257

Sampling Date: 08/20/24



Report to:

Ahtna Global, LLC
9699 Blue Larkspur Lane Suite 203
Monterey, CA 93940
dlieberman@ahtna.net; mfisher@ahtna.net;
hdillon@ahtna.net; eschmidt@ahtna.net;
ATTN: Derek Lieberman

Total number of pages in report: **87**



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

Norm Farmer
Technical Director

Client Service contact: Elvin Kumar 407-425-6700

Certifications: FL(E83510), LA(03051), KS(E-10327), NC(573), NJ(FL002), NY(12022), SC(96038001)

DoD ELAP(ANAB L2229), AZ(AZ0806), CA(2937), TX(T104704404), PA(68-03573), VA(460177),

AL, AK, AR, CT, IA, KY, MA, MI, MS, ND, NH, NV, OK, OR, IL, UT, VT, WA, WI, WV

This report shall not be reproduced, except in its entirety, without the written approval of SGS.

Test results relate only to samples analyzed.

Table of Contents

-1-

Section 1: Sample Summary	3
Section 2: Case Narrative/Conformance Summary	4
Section 3: Summary of Hits	5
Section 4: Sample Results	6
4.1: FC18257-1: 24340BWX208A	7
4.2: FC18257-2: 2434X0BW035F	8
4.3: FC18257-3: 2434W0BW172F	9
Section 5: Misc. Forms	10
5.1: Chain of Custody	11
5.2: QC Evaluation: DOD QSM5.x Limits	14
Section 6: MS Volatiles - QC Data Summaries	15
6.1: Method Blank Summary	16
6.2: Blank Spike Summary	17
6.3: Matrix Spike/Matrix Spike Duplicate Summary	18
6.4: Instrument Performance Checks (BFB)	19
6.5: Internal Standard Area Summaries	21
6.6: Surrogate Recovery Summaries	22
6.7: Initial and Continuing Calibration Summaries	23
6.8: Run Sequence Reports	30
Section 7: MS Volatiles - Raw Data	32
7.1: Samples	33
7.2: Method Blanks	50
7.3: Blank Spikes	53
7.4: Matrix Spike/Matrix Spike Duplicates	55
7.5: Instrument Performance Checks (BFB)	59
7.6: Initial and Continuing Calibrations	61
7.7: Instrument Run Logs	86



Sample Summary

Ahtna Global, LLC

Job No: FC18257

Fort Ord Groundwater Monitoring

Project No: 21187.001.01.0000 (FFO 2024 Q3) OUCTP-Upper

Sample Number	Collected		Received	Matrix		Client Sample ID
	Date	Time By		Code	Type	
FC18257-1	08/20/24	07:30	08/22/24	AQ	Trip Blank Water	24340BWX208A
FC18257-2	08/20/24	13:53	08/22/24	AQ	Ground Water	2434X0BW035F
FC18257-3	08/20/24	15:20	08/22/24	AQ	Ground Water	2434W0BW172F

SAMPLE DELIVERY GROUP CASE NARRATIVE

Client: Ahtna Global, LLC

Job No: FC18257

Site: Fort Ord Groundwater Monitoring

Report Date: 8/28/2024 2:47:52 PM

On 08/22/2024, 2 Sample(s), 1 Trip Blank(s), 0 Equip. Blank(s) and 0 Field Blank(s) were received at SGS North America Inc - Orlando. at a maximum corrected temperature of 2.6 C. Samples were intact and chemically preserved, unless noted below. A SGS North America Inc. - Orlando Job Number of FC18257 was assigned to the project.

Laboratory sample ID, client sample ID and dates of sample collection are detailed in the report's Results Summary Section. Specified quality control criteria were achieved for this job except as noted below. For more information, please refer to the analytical results and QC summary pages.

MS Volatiles By Method SW846 8260D BY SIM

Matrix: AQ

Batch ID: VN6709

All samples were analyzed within the recommended method holding time.

All method blanks for this batch meet method specific criteria.

Sample(s) FC18257-2MS, FC18257-2MSD were used as the QC samples indicated.

SGS North America Inc. - Orlando certifies that data reported for samples received, listed on the associated custody chain or analytical task order, were produced to specifications meeting the Quality System precision, accuracy and completeness objectives except as noted. Estimated non-standard method measurement uncertainty data is available on request, based on quality control bias and implicit for standard methods. Acceptable uncertainty requires tested parameter quality control data to meet method criteria. SGS North America Inc.- Orlando is not responsible for data quality assumptions if partial reports are used and recommends that this report be used in its entirety.

Narrative prepared by:

Kim Benham, Report Generation (signature on file)

Summary of Hits

Job Number: FC18257
Account: Ahtna Global, LLC
Project: Fort Ord Groundwater Monitoring
Collected: 08/20/24



Lab Sample ID	Client Sample ID	Result/ Qual	LOQ	LOD	Units	Method
---------------	------------------	-----------------	-----	-----	-------	--------

FC18257-1 **24340BWX208A**

No hits reported in this sample.

FC18257-2 **2434X0BW035F**

Carbon Tetrachloride	0.38 J	0.50	0.25	ug/l	SW846 8260D BY SIM
----------------------	--------	------	------	------	--------------------

FC18257-3 **2434W0BW172F**

No hits reported in this sample.

Sample Results

Report of Analysis

SGS North America Inc.

Report of Analysis

Page 1 of 1

Client Sample ID:	24340BWX208A	Date Sampled:	08/20/24
Lab Sample ID:	FC18257-1	Date Received:	08/22/24
Matrix:	AQ - Trip Blank Water	Percent Solids:	n/a
Method:	SW846 8260D BY SIM		
Project:	Fort Ord Groundwater Monitoring		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	N0132284.D	1	08/27/24 08:40	JW	n/a	n/a	VN6709
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA Special List

CAS No.	Compound	Result	LOQ	LOD	DL	Units	Q
56-23-5	Carbon Tetrachloride	0.25 U	0.50	0.25	0.10	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
17060-07-0	1,2-Dichloroethane-D4	106%		74-125%
2037-26-5	Toluene-D8	107%		88-111%

U = Not detected

LOD = Limit of Detection

J = Indicates an estimated value

LOQ = Limit of Quantitation

DL = Detection Limit

B = Indicates analyte found in associated method blank

E = Indicates value exceeds calibration range

N = Indicates presumptive evidence of a compound

SGS North America Inc.

Report of Analysis

Page 1 of 1

Client Sample ID: 2434X0BW035F	Date Sampled: 08/20/24
Lab Sample ID: FC18257-2	Date Received: 08/22/24
Matrix: AQ - Ground Water	Percent Solids: n/a
Method: SW846 8260D BY SIM	
Project: Fort Ord Groundwater Monitoring	

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	N0132285.D	1	08/27/24 09:03	JW	n/a	n/a	VN6709
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA Special List

CAS No.	Compound	Result	LOQ	LOD	DL	Units	Q
56-23-5	Carbon Tetrachloride	0.38	0.50	0.25	0.10	ug/l	J

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
17060-07-0	1,2-Dichloroethane-D4	106%		74-125%
2037-26-5	Toluene-D8	104%		88-111%

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

4.2
4

SGS North America Inc.

Report of Analysis

Page 1 of 1

Client Sample ID: 2434W0BW172F	Date Sampled: 08/20/24
Lab Sample ID: FC18257-3	Date Received: 08/22/24
Matrix: AQ - Ground Water	Percent Solids: n/a
Method: SW846 8260D BY SIM	
Project: Fort Ord Groundwater Monitoring	

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	N0132286.D	1	08/27/24 09:27	JW	n/a	n/a	VN6709
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA Special List

CAS No.	Compound	Result	LOQ	LOD	DL	Units	Q
56-23-5	Carbon Tetrachloride	0.25 U	0.50	0.25	0.10	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
17060-07-0	1,2-Dichloroethane-D4	106%		74-125%
2037-26-5	Toluene-D8	106%		88-111%

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

4.3
4

Misc. Forms

Custody Documents and Other Forms

Includes the following where applicable:

- Chain of Custody
- QC Evaluation: DOD QSM5.x Limits

CAPS3417
Ahtna

FC18257

Chain-of-Custody / Analytical Request Document
Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed and accurate

Cooler No.:		of	5/21
COC No: 240820-OUCTP U-3			
Task Desc: FFO2024Q3_Team1234			

Lab Name: SGS North America Inc. - Orlando	Site ID #: FFORD	Sampler: 1741469	Filtered
Lab Address:	Project #: 21187.001.01.0000	Sampling Company: Ahtna	
Lab PM: Elvin Kumar	Site Address: FFO, Marina, CA 93933	Sampling Company Phone: 831-287-5250	Preserve HCL
Lab Phone/Fax: (407) 425-6700	Site PM Name: Derek Lieberman	Sampling Team Number: 5	
Lab PM Email:	Site Phone/Fax:	Reimbursable Project?	Analysis SW8260D
Applicable Lab Quote:	Site PM Email: dlieberman@ahntna.net	Send EDD/Hard Copy To: labs@ahntna.net; dlieberman@ahntna.net	
Turnaround Time: 10 Business Days	Turnaround Standard: Standard		

Items No.	Sample ID	Sample Location	Matrix	Depth	Gr-Comp	C-Comp	Sample Type	Sample Date Time	# of Containers	Comments Lab I.D.	Analysis	Preserve
1	24340BWX208A		WQ		G	TB1	08/20/2024 07:30	3			X	
2	2434X0BW035F		WG	168 - 168 ft btoc	G	NS1	08/20/2024 13:53	3			X	

INITIAL ASSESSMENT ZB
LABEL VERIFICATION TH

2-8 IX #1

Sample Reason:	RELINQUISHED BY / AFFILIATION	Date Time	ACCEPTED BY / AFFILIATION	Date Time	Sample Receipt Conditions
Additional Comments/Special Instructions:	<u>Eric Palau / Blame Tech Services</u>	<u>8/20/24 16:51</u>	<u>SRS / Ahtna</u>	<u>8-22-24 1057</u>	<input type="checkbox"/> Yes <input type="checkbox"/> No
	<u>SRS / Ahtna</u>	<u>8/21/24 09:00</u>	<u>Lee Banta SGS</u>	<u>8/21/24 1300</u>	<input type="checkbox"/> Yes <input type="checkbox"/> No
	<u>Lee Banta SGS</u>	<u>8/21/24 1500</u>	<u>FEDEX</u>	<u>8/21/24 1500</u>	<input type="checkbox"/> Yes <input type="checkbox"/> No
			<u>392h</u>	<u>8/22/24 900</u>	<input type="checkbox"/> Yes <input type="checkbox"/> No
	SHIPPING METHOD: (mark as appropriate)	SAMPLER NAME AND SIGNATURE	Date Time	Temperature in °C	Sample on Ice?
					Sample Intact?
					Trip Blank?

OUCTP - U



Ahtna

CAD53417

FC18257

Chain-of-Custody / Analytical Request Document

Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed and accurate

Cooler No.:		of	
COC No: 240820-OUCTP U-3			
Task Desc: FFO2024Q3_Team1234			

Lab Name: SGS North America Inc. - Orlando	Site ID #: FFORD	Sampler: 1741489	Filtered Preserve HCL Analysis SW6260D															
Lab Address:	Project #: 21187.001.01.0000	Sampling Company: Ahtna																
Lab PM: Elvin Kumar	Site Address: FFO, Marina, CA 93933	Sampling Company Phone: 831-287-5250																
Lab Phone/Fax: (407) 425-6700	Site PM Name: Derek Lieberman	Sampling Team Number: 5																
Lab PM Email:	Site Phone/Fax:	Reimbursable Project?																
Applicable Lab Quote:	Site PM Email: dlieberman@ahtna.net	Send EDD/Hard Copy To: labs@ahtna.net; dlieberman@ahtna.net																
Turnaround Time: 10 Business Days	Turnaround Standard: Standard																	

Items No.	Sample ID	Sample Location	Matrix	Depth	S-Grab O-Contd	Sample Type	Sample Date Time	# of Containers	Comments Lab I.D.	
3	2434WOBW172F		WG		G	NS1	08/20/2024 15:20	3		X

5.1
5

Sample Reason:	RELINQUISHED BY / AFFILIATION	Date Time	ACCEPTED BY / AFFILIATION	Date Time	Sample Receipt Conditions			
Additional Comments/Special Instructions: OUCTP - U	<i>P. [Signature]</i> BTS	08/20/24 16:06	<i>[Signature]</i> / Ahtna	8/20/24 16:06	<input type="checkbox"/> Yes	<input type="checkbox"/> Yes	<input type="checkbox"/> Yes	<input type="checkbox"/> Yes
	<i>[Signature]</i> / Ahtna	8/21/24 08:00	<i>[Signature]</i> / SGS	8/21/24 12:00	<input type="checkbox"/> Yes	<input type="checkbox"/> Yes	<input type="checkbox"/> Yes	<input type="checkbox"/> Yes
	<i>[Signature]</i> / SGS	8/21/24 15:00	<i>[Signature]</i>	8/21/24 15:00	<input type="checkbox"/> Yes	<input type="checkbox"/> Yes	<input type="checkbox"/> Yes	<input type="checkbox"/> Yes
					<input type="checkbox"/> No	<input type="checkbox"/> No	<input type="checkbox"/> No	<input type="checkbox"/> No
SHIPPING METHOD: (mark as appropriate)		SAMPLER NAME AND SIGNATURE		Date Time	Temperature in °C	Sample on Ice?	Sample Intact?	Trip Blank?

FC18257: Chain of Custody

SGS - Orlando Sample Receipt Summary

Job Number: fc18257

Client: AHTNA

Project: OUCTP-Upper FFO2024Q3

Date / Time Received: 8/22/2024 9:00:00 AM

Delivery Method: FEDEX

Airbill #s: 778111082577

Cooler Temps (Raw Measured) °C: Cooler 1: (2.8);

Cooler Temps (Corrected) °C: Cooler 1: (2.6);

Cooler Informatio

	Y	or	N
1. Custody Seals Present:	<input checked="" type="checkbox"/>		<input type="checkbox"/>
2. Custody Seals Intact:	<input checked="" type="checkbox"/>		<input type="checkbox"/>
3. Temp criteria achieved:	<input checked="" type="checkbox"/>		<input type="checkbox"/>
4. Cooler temp verification:			IR Gun
5. Cooler media:			Ice (Bag)

Trip Blank Information

	Y	or	N	N/A
1. Trip Blank present / cooler:	<input checked="" type="checkbox"/>		<input type="checkbox"/>	<input type="checkbox"/>
2. Trip Blank listed on COC:	<input checked="" type="checkbox"/>		<input type="checkbox"/>	<input type="checkbox"/>

	W	or	S	N/A
3. Type of TB Received	<input checked="" type="checkbox"/>		<input type="checkbox"/>	<input type="checkbox"/>

Sample Information

	Y	or	N	N/A
1. Sample labels present on bottles:	<input checked="" type="checkbox"/>		<input type="checkbox"/>	
2. Samples presented properly	<input checked="" type="checkbox"/>		<input type="checkbox"/>	
3. Sufficient volume/containers recv'd for analysi	<input checked="" type="checkbox"/>		<input type="checkbox"/>	
4. Condition of sample:			Intact	
5. Sample recv'd within HT	<input checked="" type="checkbox"/>		<input type="checkbox"/>	
6. Dates/Times/IDs on COC match sample labe	<input checked="" type="checkbox"/>		<input type="checkbox"/>	
7. VOCs have headspace	<input type="checkbox"/>		<input checked="" type="checkbox"/>	<input type="checkbox"/>
8. Bottles received for unspecified tests	<input type="checkbox"/>		<input checked="" type="checkbox"/>	
9. Compositing instructions clear	<input type="checkbox"/>		<input type="checkbox"/>	<input checked="" type="checkbox"/>
10. Voa Soil Kits/Jars received past 48hrs?	<input type="checkbox"/>		<input type="checkbox"/>	<input checked="" type="checkbox"/>
11. % Solids Jar Received?	<input type="checkbox"/>		<input type="checkbox"/>	<input checked="" type="checkbox"/>
12. Residual Chlorine Present?	<input type="checkbox"/>		<input type="checkbox"/>	<input checked="" type="checkbox"/>

Misc Information

Number of Encores: 25 Gram	5 Gram	Number of Lab Filtered Metals
Test Strip Lot #: pH 0-3: <u>226422</u>	pH 10-12: _____	Other: (Specify) pH 1.0 - 12.0 <u>222221</u>
Residual Chlorine Test Strip Lot _____		

Comments

Sample Receipt Summary 112723 EK Technician: SHAYLAP Date: 8/22/2024 9:00:00 AM Reviewer: ZB Date: 08/22/24

FC18257: Chain of Custody

Page 3 of 3

5.1
5



QC Evaluation: DOD QSM5.x Limits

Job Number: FC18257
Account: Ahtna Global, LLC
Project: Fort Ord Groundwater Monitoring
Collected: 08/20/24

QC Sample ID	CAS#	Analyte	Sample Type	Result Type	Result	Units	Limits
VN6709 SW846 8260D BY SIM							
VN6709-BS	56-23-5	Carbon Tetrachloride	BSP	REC	108	%	72-136
VN6709-BS	17060-07-0	1,2-Dichloroethane-D4	BSP	SURR	97	%	81-118
VN6709-BS	2037-26-5	Toluene-D8	BSP	SURR	106	%	89-112
FC18257-2MS	56-23-5	Carbon Tetrachloride	MS	REC	100	%	72-136
FC18257-2MS	17060-07-0	1,2-Dichloroethane-D4	MS	SURR	105	%	81-118
FC18257-2MS	2037-26-5	Toluene-D8	MS	SURR	103	%	89-112
FC18257-2MSD	56-23-5	Carbon Tetrachloride	MSD	REC	103	%	72-136
FC18257-2MSD	56-23-5	Carbon Tetrachloride	MSD	RPD	3	%	20
FC18257-2MSD	17060-07-0	1,2-Dichloroethane-D4	MSD	SURR	102	%	81-118
FC18257-2MSD	2037-26-5	Toluene-D8	MSD	SURR	106	%	89-112
VN6709-MB	17060-07-0	1,2-Dichloroethane-D4	MB	SURR	105	%	81-118
VN6709-MB	2037-26-5	Toluene-D8	MB	SURR	105	%	89-112
FC18257-1	17060-07-0	1,2-Dichloroethane-D4	SAMP	SURR	106	%	81-118
FC18257-1	2037-26-5	Toluene-D8	SAMP	SURR	107	%	89-112
FC18257-2	17060-07-0	1,2-Dichloroethane-D4	SAMP	SURR	106	%	81-118
FC18257-2	2037-26-5	Toluene-D8	SAMP	SURR	104	%	89-112
FC18257-3	17060-07-0	1,2-Dichloroethane-D4	SAMP	SURR	106	%	81-118
FC18257-3	2037-26-5	Toluene-D8	SAMP	SURR	106	%	89-112

* Sample used for QC is not from job FC18257

5.2
5

MS Volatiles

QC Data Summaries

Includes the following where applicable:

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

Method Blank Summary

Job Number: FC18257
Account: AHTNACAS Ahtna Global, LLC
Project: Fort Ord Groundwater Monitoring

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VN6709-MB	N0132283.D	1	08/27/24	JW	n/a	n/a	VN6709

The QC reported here applies to the following samples:

Method: SW846 8260D BY SIM

FC18257-1, FC18257-2, FC18257-3

CAS No.	Compound	Result	RL	MDL	Units	Q
56-23-5	Carbon Tetrachloride	ND	0.50	0.10	ug/l	

CAS No.	Surrogate Recoveries	Limits	
17060-07-0	1,2-Dichloroethane-D4	105%	74-125%
2037-26-5	Toluene-D8	105%	88-111%

Blank Spike Summary

Job Number: FC18257
Account: AHTNACAS Ahtna Global, LLC
Project: Fort Ord Groundwater Monitoring

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VN6709-BS	N0132281.D	1	08/27/24	JW	n/a	n/a	VN6709

The QC reported here applies to the following samples:

Method: SW846 8260D BY SIM

FC18257-1, FC18257-2, FC18257-3

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
56-23-5	Carbon Tetrachloride	5	5.4	108	76-136

CAS No.	Surrogate Recoveries	BSP	Limits
17060-07-0	1,2-Dichloroethane-D4	97%	74-125%
2037-26-5	Toluene-D8	106%	88-111%

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: FC18257
Account: AHTNACAS Ahtna Global, LLC
Project: Fort Ord Groundwater Monitoring

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
FC18257-2MS	N0132304.D	5	08/27/24	JW	n/a	n/a	VN6709
FC18257-2MSD	N0132305.D	5	08/27/24	JW	n/a	n/a	VN6709
FC18257-2	N0132285.D	1	08/27/24	JW	n/a	n/a	VN6709

The QC reported here applies to the following samples:

Method: SW846 8260D BY SIM

FC18257-1, FC18257-2, FC18257-3

CAS No.	Compound	FC18257-2 ug/l	Spike Q	ug/l	MS ug/l	MS %	Spike ug/l	MSD ug/l	MSD %	RPD	Limits Rec/RPD
56-23-5	Carbon Tetrachloride	0.38	J	25	25.3	100	25	26.2	103	3	76-136/23

CAS No.	Surrogate Recoveries	MS	MSD	FC18257-2	Limits
17060-07-0	1,2-Dichloroethane-D4	105%	102%	106%	74-125%
2037-26-5	Toluene-D8	103%	106%	104%	88-111%

* = Outside of Control Limits.

Instrument Performance Check (BFB)

Job Number: FC18257
Account: AHTNACAS Ahtna Global, LLC
Project: Fort Ord Groundwater Monitoring

Sample: VN6705-BFB	Injection Date: 08/20/24
Lab File ID: N0132197.D	Injection Time: 09:04
Instrument ID: GCMSN	

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance	Pass/Fail
95	Base peak, 100% relative abundance	28939	100.0	Pass
96	5.0 - 9.0% of mass 95	1718	5.94	Pass
173	Less than 2.0% of mass 174	120	0.41 (0.48) ^a	Pass
174	50.0 - 200.0% of mass 95	24867	85.9	Pass
175	5.0 - 9.0% of mass 174	1811	6.26 (7.28) ^a	Pass
176	95.0 - 105.0% of mass 174	24459	84.5 (98.4) ^a	Pass
177	5.0 - 10.0% of mass 176	1743	6.02 (7.13) ^b	Pass

(a) Value is % of mass 174

(b) Value is % of mass 176

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

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
VN6705-IC6705	N0132200.D	08/20/24	10:17	01:13	Initial cal 3
VN6705-IC6705	N0132201.D	08/20/24	10:41	01:37	Initial cal 4
VN6705-ICC6705	N0132202.D	08/20/24	11:04	02:00	Initial cal 5
VN6705-IC6705	N0132203.D	08/20/24	11:28	02:24	Initial cal 6
VN6705-IC6705	N0132204.D	08/20/24	11:51	02:47	Initial cal 7
VN6705-IC6705	N0132207.D	08/20/24	13:05	04:01	Initial cal 1
VN6705-IC6705	N0132208.D	08/20/24	13:28	04:24	Initial cal 2
VN6705-ICV6705	N0132209.D	08/20/24	13:52	04:48	Initial cal verification 5

Instrument Performance Check (BFB)

Job Number: FC18257
Account: AHTNACAS Ahtna Global, LLC
Project: Fort Ord Groundwater Monitoring

Sample: VN6709-BFB	Injection Date: 08/27/24
Lab File ID: N0132279.D	Injection Time: 06:31
Instrument ID: GCMSN	

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance	Pass/Fail
95	Base peak, 100% relative abundance	37160	100.0	Pass
96	5.0 - 9.0% of mass 95	2478	6.67	Pass
173	Less than 2.0% of mass 174	242	0.65 (0.80) ^a	Pass
174	50.0 - 200.0% of mass 95	30133	81.1	Pass
175	5.0 - 9.0% of mass 174	2328	6.26 (7.73) ^a	Pass
176	95.0 - 105.0% of mass 174	30733	82.7 (102.0) ^a	Pass
177	5.0 - 10.0% of mass 176	2080	5.60 (6.77) ^b	Pass

(a) Value is % of mass 174

(b) Value is % of mass 176

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

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
VN6709-CC6705	N0132280.D	08/27/24	06:54	00:23	Continuing cal 5
VN6709-BS	N0132281.D	08/27/24	07:22	00:51	Blank Spike
VN6709-MB	N0132283.D	08/27/24	08:09	01:38	Method Blank
FC18257-1	N0132284.D	08/27/24	08:40	02:09	24340BWX208A
FC18257-2	N0132285.D	08/27/24	09:03	02:32	2434X0BW035F
FC18257-3	N0132286.D	08/27/24	09:27	02:56	2434W0BW172F
ZZZZZZ	N0132287.D	08/27/24	09:50	03:19	(unrelated sample)
ZZZZZZ	N0132288.D	08/27/24	10:14	03:43	(unrelated sample)
ZZZZZZ	N0132289.D	08/27/24	10:37	04:06	(unrelated sample)
ZZZZZZ	N0132290.D	08/27/24	11:01	04:30	(unrelated sample)
ZZZZZZ	N0132291.D	08/27/24	11:24	04:53	(unrelated sample)
ZZZZZZ	N0132292.D	08/27/24	11:47	05:16	(unrelated sample)
ZZZZZZ	N0132293.D	08/27/24	12:11	05:40	(unrelated sample)
ZZZZZZ	N0132294.D	08/27/24	12:34	06:03	(unrelated sample)
ZZZZZZ	N0132295.D	08/27/24	12:58	06:27	(unrelated sample)
ZZZZZZ	N0132296.D	08/27/24	13:21	06:50	(unrelated sample)
ZZZZZZ	N0132297.D	08/27/24	13:45	07:14	(unrelated sample)
ZZZZZZ	N0132298.D	08/27/24	14:08	07:37	(unrelated sample)
ZZZZZZ	N0132299.D	08/27/24	14:32	08:01	(unrelated sample)
ZZZZZZ	N0132300.D	08/27/24	14:55	08:24	(unrelated sample)
ZZZZZZ	N0132301.D	08/27/24	15:18	08:47	(unrelated sample)
ZZZZZZ	N0132302.D	08/27/24	15:42	09:11	(unrelated sample)
ZZZZZZ	N0132303.D	08/27/24	16:05	09:34	(unrelated sample)
FC18257-2MS	N0132304.D	08/27/24	16:29	09:58	Matrix Spike
FC18257-2MSD	N0132305.D	08/27/24	16:52	10:21	Matrix Spike Duplicate
VN6709-ECC6705	N0132306.D	08/27/24	17:16	10:45	Ending cal 5

Internal Standard Area Summary

Job Number: FC18257
Account: AHTNACAS Ahtna Global, LLC
Project: Fort Ord Groundwater Monitoring

Check Std: VN6709-CC6705	Injection Date: 08/27/24
Lab File ID: N0132280.D	Injection Time: 06:54
Instrument ID: GCMSN	Method: SW846 8260D BY SIM

	IS 1 AREA	RT	IS 2 AREA	RT
Initial Cal ^a	57601	6.34	36791	9.51
Check Std ^b	56306	6.34	37115	9.51
Upper Limit ^c	112612	6.51	74230	9.68
Lower Limit ^d	28153	6.17	18558	9.34

Lab Sample ID	IS 1 AREA	RT	IS 2 AREA	RT
VN6709-BS	54028	6.34	34542	9.52
VN6709-MB	44975	6.34	28971	9.52
FC18257-1	45532	6.34	28621	9.52
FC18257-2	44094	6.34	28444	9.52
FC18257-3	43199	6.34	27606	9.52
ZZZZZZ	43261	6.34	27784	9.52
ZZZZZZ	42446	6.34	27033	9.52
ZZZZZZ	41919	6.34	26397	9.52
ZZZZZZ	42382	6.34	26782	9.52
ZZZZZZ	41466	6.34	26096	9.52
ZZZZZZ	42046	6.34	26518	9.52
ZZZZZZ	41156	6.34	26343	9.52
ZZZZZZ	40588	6.34	25807	9.52
ZZZZZZ	41689	6.34	26361	9.52
ZZZZZZ	40261	6.34	25602	9.52
ZZZZZZ	41221	6.34	26089	9.52
ZZZZZZ	40596	6.34	25507	9.52
ZZZZZZ	40566	6.34	25423	9.52
ZZZZZZ	40473	6.34	25340	9.52
ZZZZZZ	39854	6.34	25052	9.52
ZZZZZZ	40177	6.34	25233	9.52
ZZZZZZ	40678	6.34	25446	9.52
FC18257-2MS	46907	6.34	30014	9.52
FC18257-2MSD	50410	6.34	31609	9.52
VN6709-ECC670556598		6.34	36095	9.51

IS 1 = Fluorobenzene
IS 2 = Chlorobenzene-D5

- (a) Initial Cal is: VN6705-ICC6705 N0132202.D 08/20/24 11:04
- (b) Check Std Limit = -50 to + 100% of initial cal area.
- (c) Upper Limit = + 100% of check standard area; Retention time + 0.167 minutes.
- (d) Lower Limit = -50% of check standard area; Retention time -0.167 minutes.

6.5.1
6

Surrogate Recovery Summary

Job Number: FC18257
Account: AHTNACAS Ahtna Global, LLC
Project: Fort Ord Groundwater Monitoring

Method: SW846 8260D BY SIM	Matrix: AQ
-----------------------------------	-------------------

Samples and QC shown here apply to the above method

Lab Sample ID	Lab File ID	S1	S2
FC18257-1	N0132284.D	106	107
FC18257-2	N0132285.D	106	104
FC18257-3	N0132286.D	106	106
FC18257-2MS	N0132304.D	105	103
FC18257-2MSD	N0132305.D	102	106
VN6709-BS	N0132281.D	97	106
VN6709-MB	N0132283.D	105	105

Surrogate Compounds	Recovery Limits
---------------------	-----------------

S1 = 1,2-Dichloroethane-D4	74-125%
S2 = Toluene-D8	88-111%

Initial Calibration Summary

Job Number: FC18257
Account: AHTNACAS Ahtna Global, LLC
Project: Fort Ord Groundwater Monitoring

Sample: VN6705-ICC6705
Lab FileID: N0132202.D

Response Factor Report MSVOA6-N

Method : C:\msdchem\1\met..._VN6705_082024.M (RTE Integrator)
 Title : Standard Methods 6200B
 Last Update : Tue Aug 20 14:01:28 2024
 Response via : Initial Calibration

Calibration Files

1 =N0132207.D 2 =N0132208.D 3 =N0132200.D 4 =N0132201.D
 5 =N0132202.D 6 =N0132203.D 7 =N0132204.D

Compound	1	2	3	4	5	6	7	Avg	%RSD

1) I Fluorobenzene	-----ISTD-----								
2) Vinyl Chloride	0.524	0.203	0.123	0.115	0.109	0.111	0.105	0.184	83.41
	---- Linear regr., Force(0,0) ---- Coefficient = 0.9993								
	Response Ratio = 0.00000 + 0.11062 *A								
3) Chloromethane	0.373	0.193	0.164	0.149	0.144	0.136	0.193	46.88	
	---- Linear regr., Force(0,0) ---- Coefficient = 0.9990								
	Response Ratio = 0.00000 + 0.14771 *A								
4) 1,1-Dichloroethen	0.184	0.146	0.144	0.137	0.136	0.135	0.147	12.46	
5) Methylene Chlorid		0.280	0.215	0.185	0.172	0.165	0.204	23.15	
	---- Quadratic regr., Force(0,0) ---- Coefficient = 0.9927								
	Response Ratio = 0.00000 + 0.23670 *A + -0.01952 *A^2								
6) trans-1,2-Dichlor	0.152	0.118	0.119	0.116	0.116	0.116	0.123	11.71	
7) 1,1-Dichloroethan	0.199	0.168	0.165	0.156	0.152	0.149	0.165	11.13	
8) cis-1,2-Dichloroe	0.092	0.069	0.069	0.066	0.067	0.068	0.072	13.85	
9) Chloroform	0.311	0.197	0.172	0.154	0.149	0.145	0.188	33.73	
	---- Quadratic regr., Force(0,0) ---- Coefficient = 0.9968								
	Response Ratio = 0.00000 + 0.18931 *A + -0.01236 *A^2								
10) Carbon Tetrachlor	0.093	0.071	0.074	0.070	0.070	0.071	0.075	12.09	
11) 1,1,1-Trichloroet	0.133	0.104	0.104	0.099	0.100	0.099	0.106	12.29	
12) Benzene	0.338	0.258	0.259	0.249	0.249	0.250	0.267	13.14	
13)S 1,2-Dichloroethan	0.436	0.438	0.464	0.438	0.419	0.414	0.401	4.75	
14) 1,2-Dichloroethan	0.143	0.130	0.129	0.122	0.118	0.115	0.126	8.10	
15) Trichloroethene	0.097	0.070	0.071	0.070	0.071	0.071	0.075	13.97	
16) 1,2-Dichloropropa	0.104	0.083	0.083	0.080	0.078	0.078	0.084	11.71	
17) cis-1,3-Dichlorop	0.069	0.056	0.064	0.067	0.071	0.074	0.067	9.18	

18) I Chlorobenzene-d5	-----ISTD-----								
19)S Toluene-d8	1.165	1.153	1.086	1.012	1.108	1.106	1.095	1.104	4.51
20) trans-1,3-Dichlor	0.068	0.070	0.087	0.105	0.111	0.116	0.093	22.28	
	---- Quadratic regr., Force(0,0) ---- Coefficient = 0.9983								
	Response Ratio = 0.00000 + 0.07956 *A + 0.00965 *A^2								
21) Tetrachloroethene	0.141	0.110	0.106	0.109	0.106	0.104	0.113	12.56	
22) 1,4-Dichlorobenze	0.326	0.233	0.231	0.254	0.248	0.241	0.256	13.89	
23) 1,2-Dibromo-3-Chl	0.039	0.022	0.018	0.021	0.021	0.021	0.024	31.24	
	---- Linear regr., Force(0,0) ---- Coefficient = 0.9956								
	Response Ratio = 0.00000 + 0.02093 *A								

(#) = Out of Range

Initial Calibration Verification

Job Number: FC18257
 Account: AHTNACAS Ahtna Global, LLC
 Project: Fort Ord Groundwater Monitoring

Sample: VN6705-ICV6705
 Lab FileID: N0132209.D

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\data\08-20-24\N0132209.D Vial: 13
 Acq On : 20 Aug 2024 1:52 pm Operator: jeniferw
 Sample : ICV6705-5 Inst : MSVOA6-N
 Misc : MS57318,VN6705,,,,, Multiplr: 1.00
 MS Integration Params: rteint.p

Method : C:\msdchem\1\met..._VN6705_082024.M (RTE Integrator)
 Title : Standard Methods 6200B
 Last Update : Tue Aug 20 14:01:28 2024
 Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1 I	Fluorobenzene	1.000	1.000	0.0	106	0.00	6.34
	----- Amount	Calc.	%Drift	-----			
2	Vinyl Chloride	10.000	8.338	16.6	89	0.00	2.06
3	Chloromethane	10.000	8.095	19.0	85	0.00	1.98
	----- AvgRF	CCRF	%Dev	-----			
4	1,1-Dichloroethene	0.147	0.153	-4.1	117	0.00	3.15
	----- Amount	Calc.	%Drift	-----			
5	Methylene Chloride	10.000	10.751	-7.5	120	0.00	3.71
	----- AvgRF	CCRF	%Dev	-----			
6	trans-1,2-Dichloroethene	0.123	0.132	-7.3	121	0.00	3.88
7	1,1-Dichloroethane	0.165	0.173	-4.8	118	0.00	4.49
8	cis-1,2-Dichloroethene	0.072	0.076	-5.6	120	0.00	5.04
	----- Amount	Calc.	%Drift	-----			
9	Chloroform	10.000	10.626	-6.3	119	0.00	5.30
	----- AvgRF	CCRF	%Dev	-----			
10	Carbon Tetrachloride	0.075	0.080	-6.7	121	0.00	5.47
11	1,1,1-Trichloroethane	0.106	0.116	-9.4	124	0.00	5.53
12	Benzene	0.267	0.286	-7.1	121	0.00	5.91
13 S	1,2-Dichloroethane-d4	0.430	0.408	5.1	103	0.00	6.04
14	1,2-Dichloroethane	0.126	0.139	-10.3	120	0.00	6.12
15	Trichloroethene	0.075	0.082	-9.3	124	0.00	6.53
16	1,2-Dichloropropane	0.084	0.091	-8.3	121	0.00	7.05
17	cis-1,3-Dichloropropene	0.067	0.076	-13.4	120	0.00	7.77
18 I	Chlorobenzene-d5	1.000	1.000	0.0	105	0.00	9.52
19 S	Toluene-d8	1.104	1.144	-3.6	108	0.00	7.95
	----- Amount	Calc.	%Drift	-----			
20	trans-1,3-Dichloropropene	10.000	10.987	-9.9	110	0.00	8.42
	----- AvgRF	CCRF	%Dev	-----			
21	Tetrachloroethene	0.113	0.131	-15.9	126	0.00	8.41
22	1,4-Dichlorobenzene	0.256	0.290	-13.3	119	0.00	11.91
	----- Amount	Calc.	%Drift	-----			
23	1,2-Dibromo-3-Chloropropa	10.000	10.883	-8.8	111	0.00	13.18

Continuing Calibration Summary

Job Number: FC18257
 Account: AHTNACAS Ahtna Global, LLC
 Project: Fort Ord Groundwater Monitoring

Sample: VN6709-CC6705
 Lab FileID: N0132280.D

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\data\08-27-24\N0132280.D Vial: 2
 Acq On : 27 Aug 2024 6:54 am Operator: jeniferw
 Sample : CC6705-5 Inst : MSVOA6-N
 Misc : MS57355,VN6709,,,,, Multiplr: 1.00
 MS Integration Params: rteint.p

Method : C:\msdchem\1\met..._VN6705_082024.M (RTE Integrator)
 Title : Standard Methods 6200B
 Last Update : Tue Aug 20 14:01:28 2024
 Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1 I	Fluorobenzene	1.000	1.000	0.0	98	0.00	6.34
	----- Amount	Calc.	%Drift	-----			
2	Vinyl Chloride	10.000	13.525	-35.3#	134	0.00	2.06
3	Chloromethane	10.000	12.959	-29.6#	125	0.00	1.98
	----- AvgRF	CCRF	%Dev	-----			
4	1,1-Dichloroethene	0.147	0.158	-7.5	113	0.00	3.15
	----- Amount	Calc.	%Drift	-----			
5	Methylene Chloride	10.000	11.750	-17.5	118	0.00	3.71
	----- AvgRF	CCRF	%Dev	-----			
6	trans-1,2-Dichloroethene	0.123	0.140	-13.8	118	0.00	3.88
7	1,1-Dichloroethane	0.165	0.187	-13.3	117	0.00	4.49
8	cis-1,2-Dichloroethene	0.072	0.083	-15.3	122	0.00	5.04
	----- Amount	Calc.	%Drift	-----			
9	Chloroform	10.000	11.210	-12.1	115	0.00	5.30
	----- AvgRF	CCRF	%Dev	-----			
10	Carbon Tetrachloride	0.075	0.074	1.3	103	0.00	5.47
11	1,1,1-Trichloroethane	0.106	0.113	-6.6	111	0.00	5.53
12	Benzene	0.267	0.305	-14.2	120	0.00	5.91
13 S	1,2-Dichloroethane-d4	0.430	0.413	4.0	97	0.00	6.04
14	1,2-Dichloroethane	0.126	0.141	-11.9	113	0.00	6.12
15	Trichloroethene	0.075	0.085	-13.3	119	0.00	6.53
16	1,2-Dichloropropane	0.084	0.095	-13.1	117	0.00	7.05
17	cis-1,3-Dichloropropene	0.067	0.082	-22.4#	119	0.00	7.76
18 I	Chlorobenzene-d5	1.000	1.000	0.0	101	0.00	9.51
19 S	Toluene-d8	1.104	1.121	-1.5	102	0.00	7.95
	----- Amount	Calc.	%Drift	-----			
20	trans-1,3-Dichloropropene	10.000	12.143	-21.4#	120	0.00	8.42
	----- AvgRF	CCRF	%Dev	-----			
21	Tetrachloroethene	0.113	0.130	-15.0	121	0.00	8.41
22	1,4-Dichlorobenzene	0.256	0.278	-8.6	110	0.00	11.91
	----- Amount	Calc.	%Drift	-----			
23	1,2-Dibromo-3-Chloropropa	10.000	7.581	24.2#	74	0.00	13.18

Continuing Calibration Summary

Job Number: FC18257
Account: AHTNACAS Ahtna Global, LLC
Project: Fort Ord Groundwater Monitoring

Sample: VN6709-CC6705
Lab FileID: N0132280.D

(#) = Out of Range SPCC's out = 0 CCC's out = 0
N0132202.D SIMCL_VN6705_082024.M Tue Aug 27 07:15:30 2024

Continuing Calibration Summary

Job Number: FC18257
 Account: AHTNACAS Ahtna Global, LLC
 Project: Fort Ord Groundwater Monitoring

Sample: VN6709-ECC6705
 Lab FileID: N0132306.D

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\data\08-27-24\N0132306.D Vial: 28
 Acq On : 27 Aug 2024 5:16 pm Operator: jeniferw
 Sample : ECC6705-5 Inst : MSVOA6-N
 Misc : MS57365,VN6709,,,,, Multiplr: 1.00
 MS Integration Params: rteint.p

Method : C:\msdchem\1\met..._VN6705_082024.M (RTE Integrator)
 Title : Standard Methods 6200B
 Last Update : Tue Aug 20 14:01:28 2024
 Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 50% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1 I	Fluorobenzene	1.000	1.000	0.0	98	0.00	6.34
	----- Amount	Calc.	%Drift	-----			
2	Vinyl Chloride	10.000	15.313	-53.1#	153	0.00	2.06
3	Chloromethane	10.000	12.898	-29.0	125	0.00	1.98
	----- AvgRF	CCRF	%Dev	-----			
4	1,1-Dichloroethene	0.147	0.154	-4.8	110	0.00	3.15
	----- Amount	Calc.	%Drift	-----			
5	Methylene Chloride	10.000	14.326	-43.3	138	0.00	3.71
	----- AvgRF	CCRF	%Dev	-----			
6	trans-1,2-Dichloroethene	0.123	0.135	-9.8	115	0.00	3.88
7	1,1-Dichloroethane	0.165	0.182	-10.3	115	0.00	4.49
8	cis-1,2-Dichloroethene	0.072	0.081	-12.5	120	0.00	5.04
	----- Amount	Calc.	%Drift	-----			
9	Chloroform	10.000	11.239	-12.4	116	0.00	5.30
	----- AvgRF	CCRF	%Dev	-----			
10	Carbon Tetrachloride	0.075	0.072	4.0	101	0.00	5.47
11	1,1,1-Trichloroethane	0.106	0.112	-5.7	111	0.00	5.53
12	Benzene	0.267	0.300	-12.4	118	0.00	5.91
13 S	1,2-Dichloroethane-d4	0.430	0.423	1.6	99	0.00	6.04
14	1,2-Dichloroethane	0.126	0.141	-11.9	113	0.00	6.12
15	Trichloroethene	0.075	0.081	-8.0	113	0.00	6.53
16	1,2-Dichloropropane	0.084	0.091	-8.3	113	0.00	7.05
17	cis-1,3-Dichloropropene	0.067	0.075	-11.9	110	0.00	7.76
18 I	Chlorobenzene-d5	1.000	1.000	0.0	98	0.00	9.51
19 S	Toluene-d8	1.104	1.119	-1.4	99	0.00	7.95
	----- Amount	Calc.	%Drift	-----			
20	trans-1,3-Dichloropropene	10.000	11.606	-16.1	110	0.00	8.42
	----- AvgRF	CCRF	%Dev	-----			
21	Tetrachloroethene	0.113	0.127	-12.4	114	0.00	8.41
22	1,4-Dichlorobenzene	0.256	0.294	-14.8	113	0.00	11.91
	----- Amount	Calc.	%Drift	-----			
23	1,2-Dibromo-3-Chloropropa	10.000	11.098	-11.0	106	0.00	13.18

Continuing Calibration Summary

Job Number: FC18257
Account: AHTNACAS Ahtna Global, LLC
Project: Fort Ord Groundwater Monitoring

Sample: VN6709-ECC6705
Lab FileID: N0132306.D

(#) = Out of Range SPCC's out = 0 CCC's out = 0
N0132202.D SIMCL_VN6705_082024.M Wed Aug 28 11:15:48 2024

6.7.4

6

Run Sequence Report

Job Number: FC18257
Account: AHTNACAS Ahtna Global, LLC
Project: Fort Ord Groundwater Monitoring

Run ID: VN6705	Method: SW846 8260D BY SIM	Instrument ID: GCMSN
-----------------------	-----------------------------------	-----------------------------

Lab Sample ID	Lab File ID	Date/Time Analyzed	Prep QC Batch	Client Sample ID
VN6705-BFB	N0132197.D	08/20/24 09:04	n/a	BFB Tune
VN6705-IC6705	N0132200.D	08/20/24 10:17	n/a	Initial cal 3
VN6705-IC6705	N0132201.D	08/20/24 10:41	n/a	Initial cal 4
VN6705-ICC6705	N0132202.D	08/20/24 11:04	n/a	Initial cal 5
VN6705-IC6705	N0132203.D	08/20/24 11:28	n/a	Initial cal 6
VN6705-IC6705	N0132204.D	08/20/24 11:51	n/a	Initial cal 7
VN6705-IC6705	N0132207.D	08/20/24 13:05	n/a	Initial cal 1
VN6705-IC6705	N0132208.D	08/20/24 13:28	n/a	Initial cal 2
VN6705-ICV6705	N0132209.D	08/20/24 13:52	n/a	Initial cal verification 5

Run Sequence Report

Job Number: FC18257
Account: AHTNACAS Ahtna Global, LLC
Project: Fort Ord Groundwater Monitoring

Run ID: VN6709 **Method:** SW846 8260D BY SIM **Instrument ID:** GCMSN

Lab Sample ID	Lab File ID	Date/Time Analyzed	Prep QC Batch	Client Sample ID
VN6709-BFB	N0132279.D	08/27/24 06:31	n/a	BFB Tune
VN6709-CC6705	N0132280.D	08/27/24 06:54	n/a	Continuing cal 5
VN6709-BS	N0132281.D	08/27/24 07:22	n/a	Blank Spike
VN6709-MB	N0132283.D	08/27/24 08:09	n/a	Method Blank
FC18257-1	N0132284.D	08/27/24 08:40	n/a	24340BWX208A
FC18257-2	N0132285.D	08/27/24 09:03	n/a	2434X0BW035F
FC18257-3	N0132286.D	08/27/24 09:27	n/a	2434W0BW172F
ZZZZZZ	N0132287.D	08/27/24 09:50	n/a	(unrelated sample)
ZZZZZZ	N0132288.D	08/27/24 10:14	n/a	(unrelated sample)
ZZZZZZ	N0132289.D	08/27/24 10:37	n/a	(unrelated sample)
ZZZZZZ	N0132290.D	08/27/24 11:01	n/a	(unrelated sample)
ZZZZZZ	N0132291.D	08/27/24 11:24	n/a	(unrelated sample)
ZZZZZZ	N0132292.D	08/27/24 11:47	n/a	(unrelated sample)
ZZZZZZ	N0132293.D	08/27/24 12:11	n/a	(unrelated sample)
ZZZZZZ	N0132294.D	08/27/24 12:34	n/a	(unrelated sample)
ZZZZZZ	N0132295.D	08/27/24 12:58	n/a	(unrelated sample)
ZZZZZZ	N0132296.D	08/27/24 13:21	n/a	(unrelated sample)
ZZZZZZ	N0132297.D	08/27/24 13:45	n/a	(unrelated sample)
ZZZZZZ	N0132298.D	08/27/24 14:08	n/a	(unrelated sample)
ZZZZZZ	N0132299.D	08/27/24 14:32	n/a	(unrelated sample)
ZZZZZZ	N0132300.D	08/27/24 14:55	n/a	(unrelated sample)
ZZZZZZ	N0132301.D	08/27/24 15:18	n/a	(unrelated sample)
ZZZZZZ	N0132302.D	08/27/24 15:42	n/a	(unrelated sample)
ZZZZZZ	N0132303.D	08/27/24 16:05	n/a	(unrelated sample)
FC18257-2MS	N0132304.D	08/27/24 16:29	n/a	Matrix Spike
FC18257-2MSD	N0132305.D	08/27/24 16:52	n/a	Matrix Spike Duplicate
VN6709-ECC6705	N0132306.D	08/27/24 17:16	n/a	Ending cal 5

MS Volatiles

Raw Data

7

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\08-27-24\
 Data File : N0132284.D
 Acq On : 27 Aug 2024 8:40 am
 Operator : jeniferw
 Sample : FC18257-1
 Misc : MS57365,VN6709,,,,,
 ALS Vial : 6 Sample Multiplier: 1

Quant Time: Aug 28 10:57:53 2024
 Quant Method : C:\msdchem\1\methods\SIMCL_VN6705_082024.M
 Quant Title : Standard Methods 6200B
 QLast Update : Tue Aug 20 14:01:28 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	Qvalue

Internal Standards							
1) Fluorobenzene	6.341	96	45532	5.00	ug/L	0.00	
18) Chlorobenzene-d5	9.519	117	28621	5.00	ug/L	0.00	
System Monitoring Compounds							
13) 1,2-Dichloroethane-d4	6.045	65	20844	5.32	ug/L	0.00	
Spiked Amount	5.000	Range 74 - 125	Recovery	=	106.40%		
19) Toluene-d8	7.950	98	33756	5.34	ug/L	0.00	
Spiked Amount	5.000	Range 88 - 111	Recovery	=	106.80%		
Target Compounds							
3) Chloromethane	1.982	50	322	0.24	ug/L	98	
5) Methylene Chloride	3.718	49	1722	0.81	ug/L	89	
9) Chloroform	5.303	83	286m	0.17	ug/L		

(#) = qualifier out of range (m) = manual integration (+) = signals summed

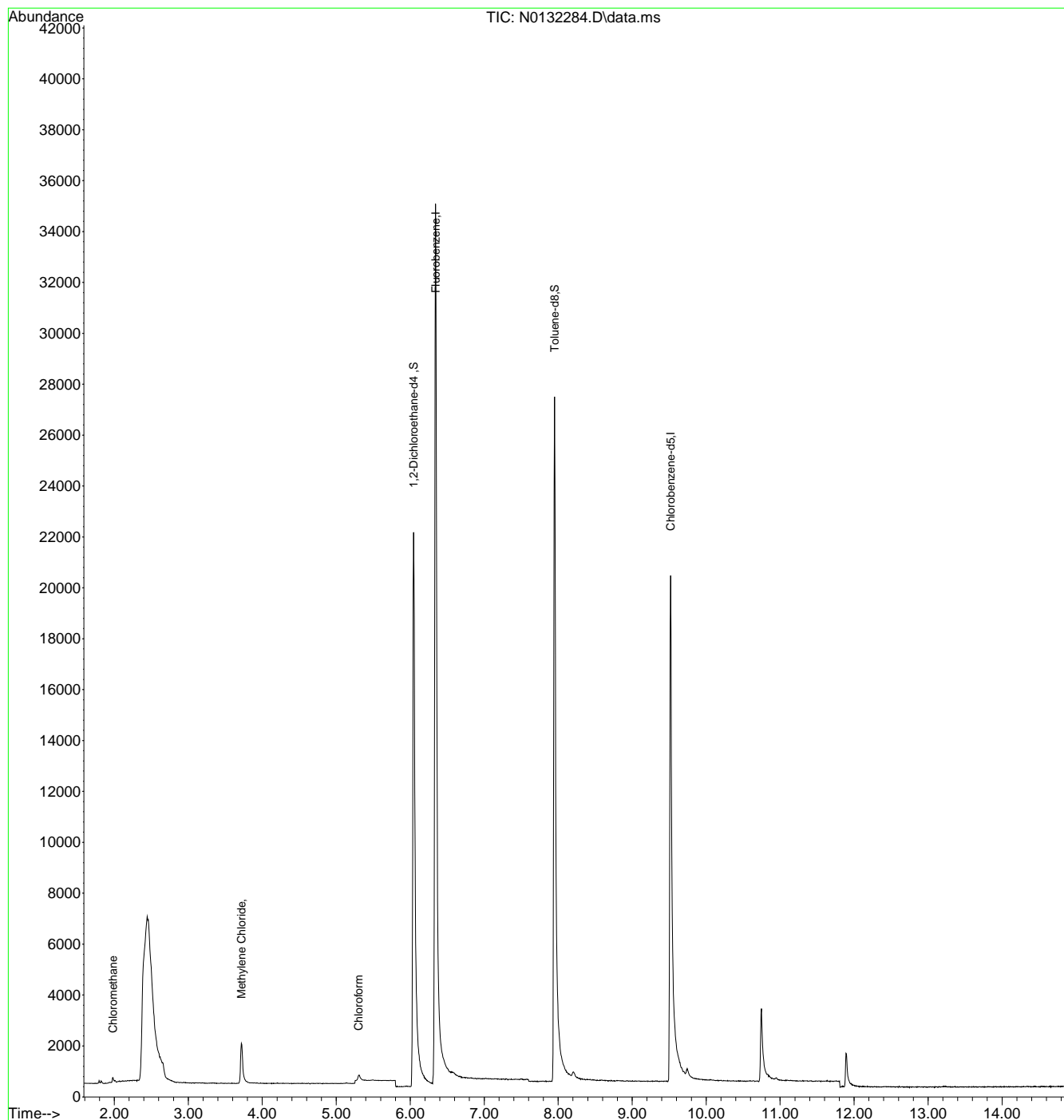
7.1.1
7



Quantitation Report (QT Reviewed)

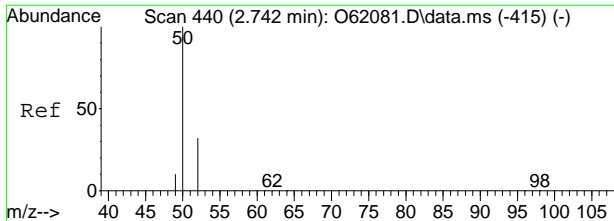
Data Path : C:\msdchem\1\data\08-27-24\
 Data File : N0132284.D
 Acq On : 27 Aug 2024 8:40 am
 Operator : jeniferw
 Sample : FC18257-1
 Misc : MS57365,VN6709,,,,,
 ALS Vial : 6 Sample Multiplier: 1

Quant Time: Aug 28 10:57:53 2024
 Quant Method : C:\msdchem\1\methods\SIMCL_VN6705_082024.M
 Quant Title : Standard Methods 6200B
 QLast Update : Tue Aug 20 14:01:28 2024
 Response via : Initial Calibration



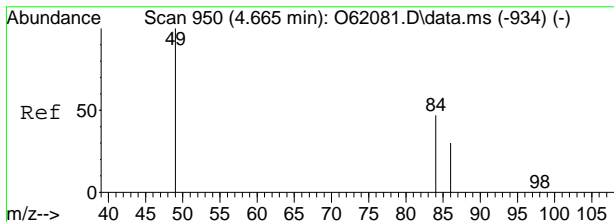
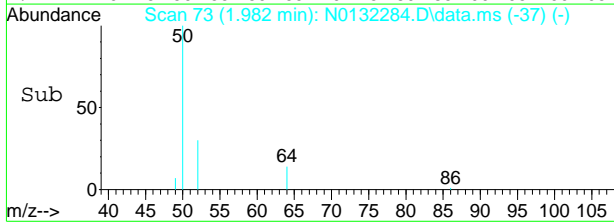
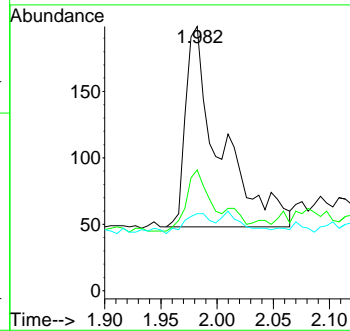
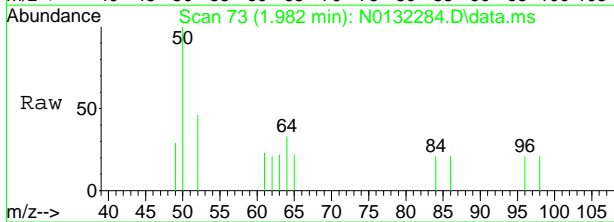
7.1.1
7





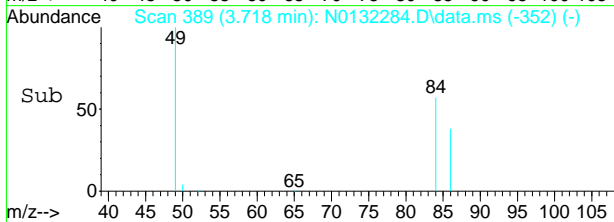
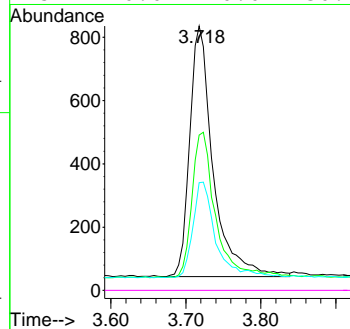
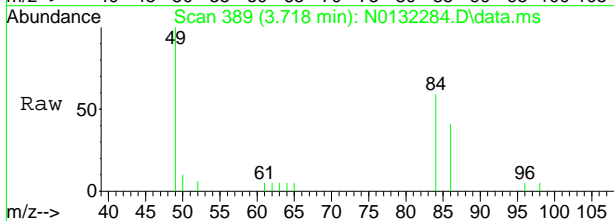
#3
 Chloromethane
 Concen: 0.24 ug/L
 RT: 1.982 min Scan# 73
 Delta R.T. 0.000 min
 Lab File: N0132284.D
 Acq: 27 Aug 2024 8:40 am

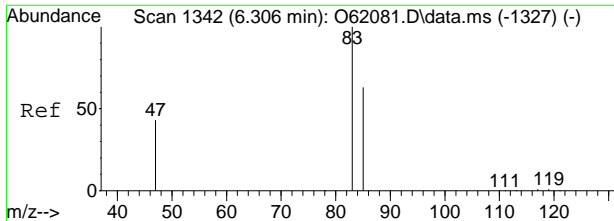
Tgt Ion	Ratio	Lower	Upper
50	100		
52	30.5	2.1	62.1
49	9.9	0.0	39.6



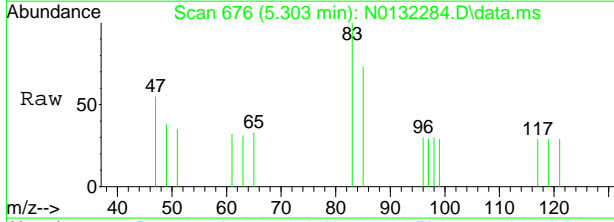
#5
 Methylene Chloride
 Concen: 0.81 ug/L
 RT: 3.718 min Scan# 389
 Delta R.T. 0.006 min
 Lab File: N0132284.D
 Acq: 27 Aug 2024 8:40 am

Tgt Ion	Ratio	Lower	Upper
49	100		
84	56.8	20.0	80.0
86	37.8	0.4	60.4
51	0.0	0.0	30.0



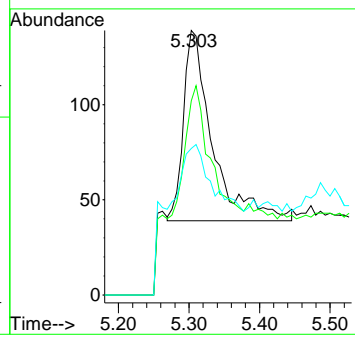
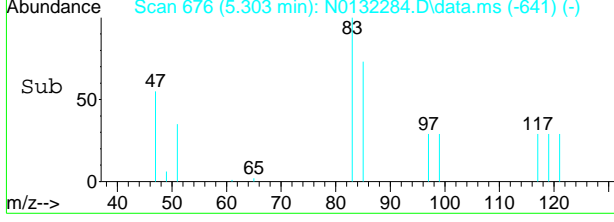


#9
 Chloroform
 Concen: 0.17 ug/L m
 RT: 5.303 min Scan# 676
 Delta R.T. 0.000 min
 Lab File: N0132284.D
 Acq: 27 Aug 2024 8:40 am



Tgt Ion: 83 Resp: 286

Ion	Ratio	Lower	Upper
83	100		
85	73.4	36.3	96.3
47	55.4	2.6	62.6



7.1.1
7

Manual Integration Approval Summary

Sample Number: FC18257-1 **Method:** SW846 8260D BY SIM
Lab FileID: N0132284.D **Analyst approved:** 08/28/24 11:19 Jenifer Willis
Injection Time: 08/27/24 08:40 **Supervisor approved:** 08/28/24 14:38 Karen Watson

Parameter	CAS	Sig#	R.T. (min.)	Reason
Chloroform	67-66-3		5.30	Poorly defined baseline

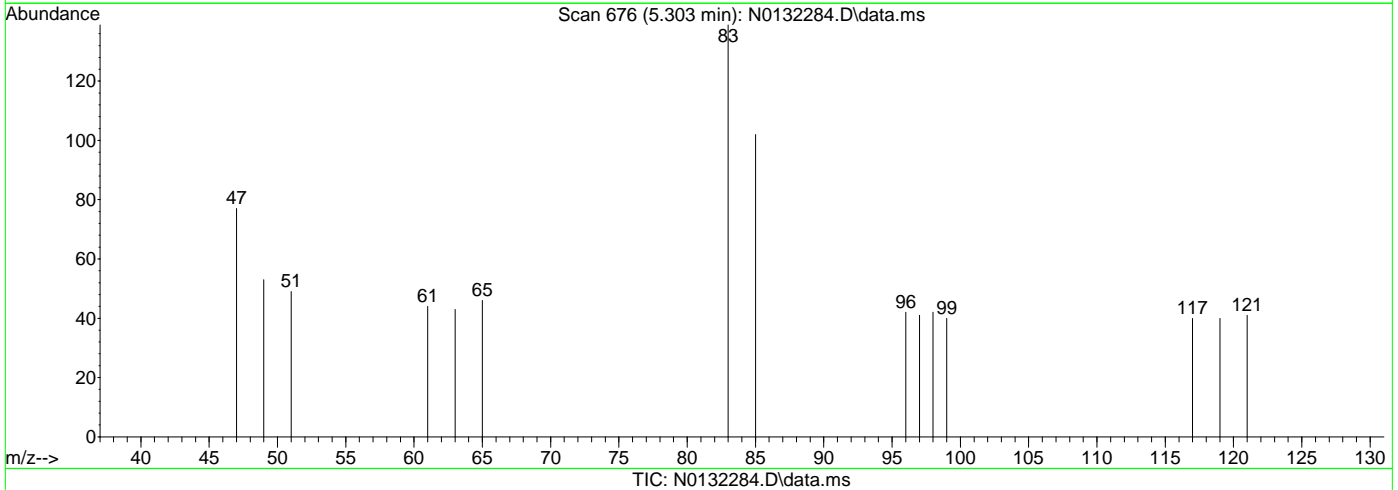
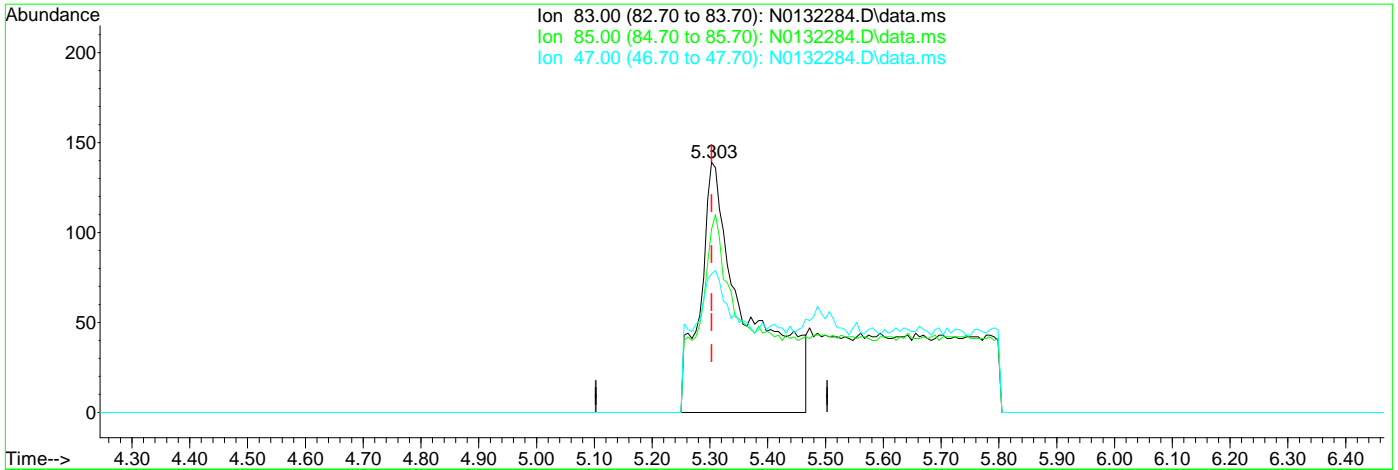
7.1.1.1

7

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\08-27-24\
 Data File : N0132284.D
 Acq On : 27 Aug 2024 8:40 am
 Operator : jeniferw
 Sample : FC18257-1
 Misc : MS57365,VN6709,,,,,
 ALS Vial : 6 Sample Multiplier: 1

Quant Time: Aug 28 05:39:19 2024
 Quant Method : C:\msdchem\1\methods\SIMCL_VN6705_082024.M
 Quant Title : Standard Methods 6200B
 QLast Update : Tue Aug 20 14:01:28 2024
 Response via : Initial Calibration



(9) Chloroform
 5.303min (+0.000) 0.46ug/L

response 794

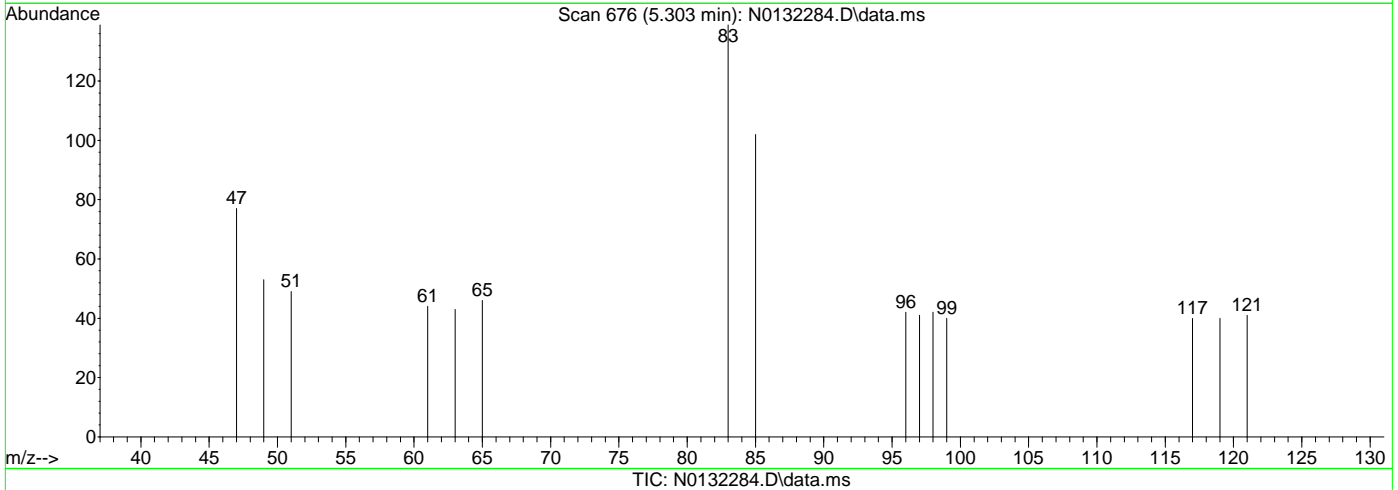
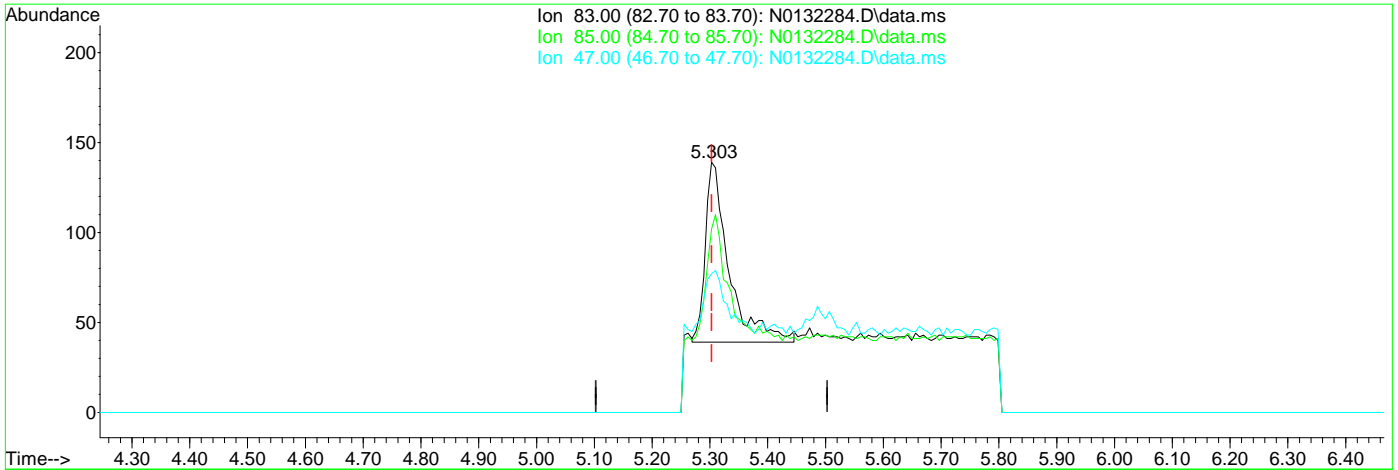
Ion	Exp%	Act%
83.00	100	100
85.00	66.30	73.38
47.00	32.60	55.40
0.00	0.00	0.00

7.1.12
7

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\08-27-24\
 Data File : N0132284.D
 Acq On : 27 Aug 2024 8:40 am
 Operator : jeniferw
 Sample : FC18257-1
 Misc : MS57365,VN6709,,,,,
 ALS Vial : 6 Sample Multiplier: 1

Quant Time: Aug 28 05:39:19 2024
 Quant Method : C:\msdchem\1\methods\SIMCL_VN6705_082024.M
 Quant Title : Standard Methods 6200B
 QLast Update : Tue Aug 20 14:01:28 2024
 Response via : Initial Calibration



(9) Chloroform
 5.303min (+0.000) 0.17ug/L m

response 286

Ion	Exp%	Act%
83.00	100	100
85.00	66.30	73.38
47.00	32.60	55.40
0.00	0.00	0.00

7.1.1.3
7

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\08-27-24\
 Data File : N0132285.D
 Acq On : 27 Aug 2024 9:03 am
 Operator : jeniferw
 Sample : FC18257-2
 Misc : MS57365,VN6709,,,,,
 ALS Vial : 7 Sample Multiplier: 1

Quant Time: Aug 28 10:58:24 2024
 Quant Method : C:\msdchem\1\methods\SIMCL_VN6705_082024.M
 Quant Title : Standard Methods 6200B
 QLast Update : Tue Aug 20 14:01:28 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	Qvalue

Internal Standards							
1) Fluorobenzene	6.341	96	44094	5.00	ug/L	0.00	
18) Chlorobenzene-d5	9.519	117	28444	5.00	ug/L	0.00	
System Monitoring Compounds							
13) 1,2-Dichloroethane-d4	6.045	65	20131	5.31	ug/L	0.00	
Spiked Amount	5.000	Range 74 - 125	Recovery	=	106.20%		
19) Toluene-d8	7.950	98	32553	5.19	ug/L	0.00	
Spiked Amount	5.000	Range 88 - 111	Recovery	=	103.80%		
Target Compounds							
3) Chloromethane	1.982	50	330	0.25	ug/L		94
5) Methylene Chloride	3.718	49	1261	0.61	ug/L		92
9) Chloroform	5.310	83	481m	0.29	ug/L		
10) Carbon Tetrachloride	5.473	117	250	0.38	ug/L		95

(#) = qualifier out of range (m) = manual integration (+) = signals summed

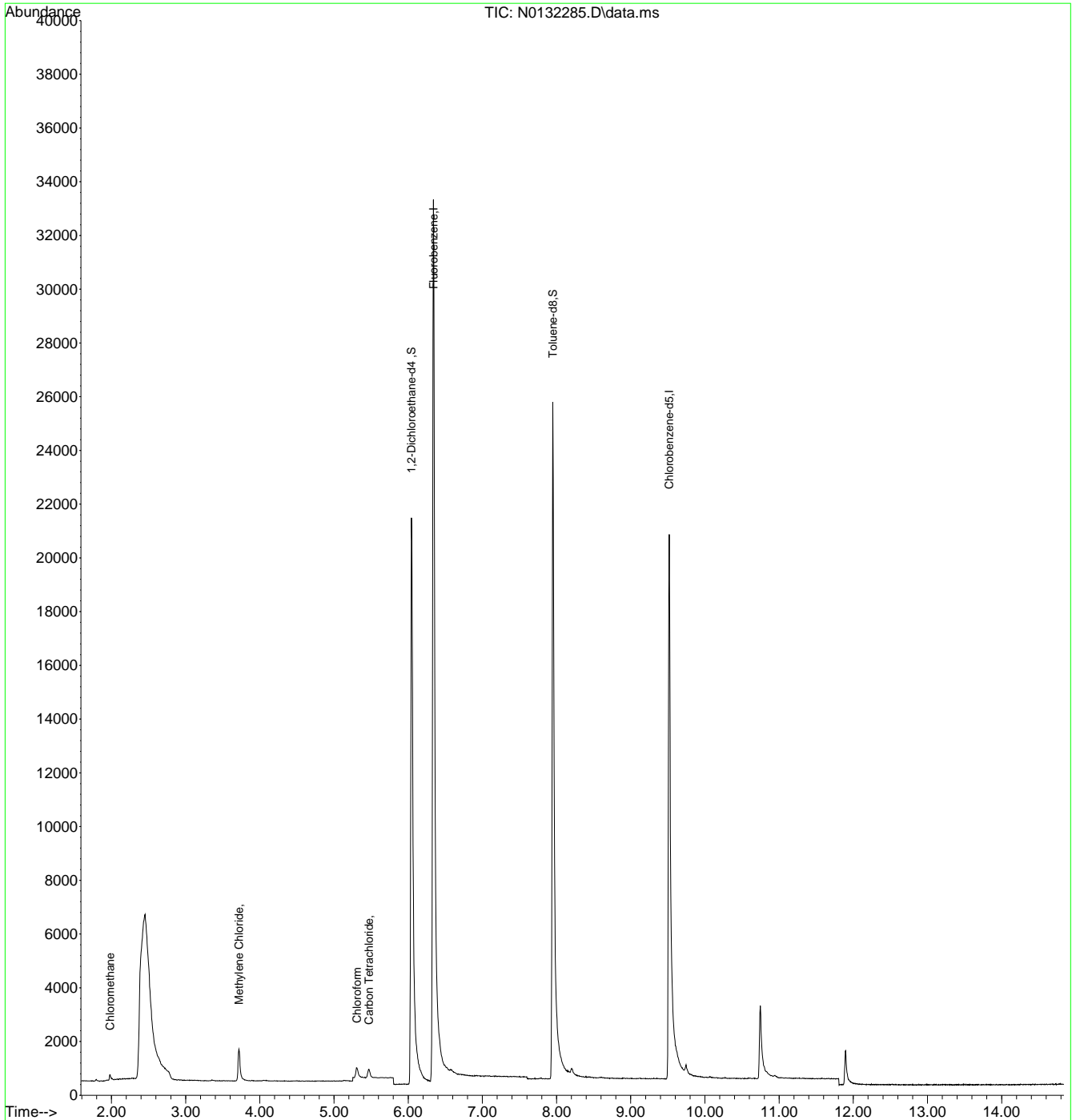
7.12
7



Quantitation Report (QT Reviewed)

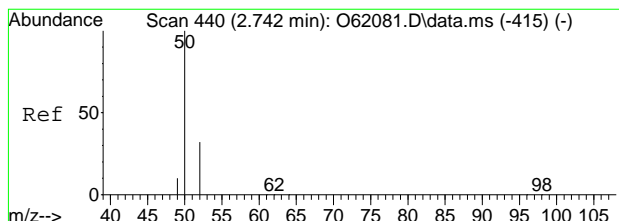
Data Path : C:\msdchem\1\data\08-27-24\
 Data File : N0132285.D
 Acq On : 27 Aug 2024 9:03 am
 Operator : jeniferw
 Sample : FC18257-2
 Misc : MS57365,VN6709,,,,,
 ALS Vial : 7 Sample Multiplier: 1

Quant Time: Aug 28 10:58:24 2024
 Quant Method : C:\msdchem\1\methods\SIMCL_VN6705_082024.M
 Quant Title : Standard Methods 6200B
 QLast Update : Tue Aug 20 14:01:28 2024
 Response via : Initial Calibration



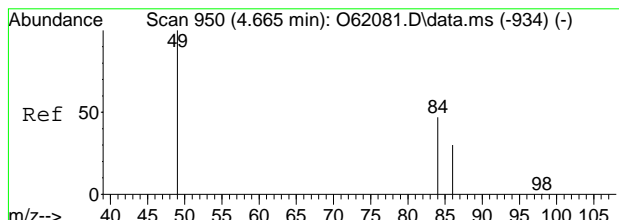
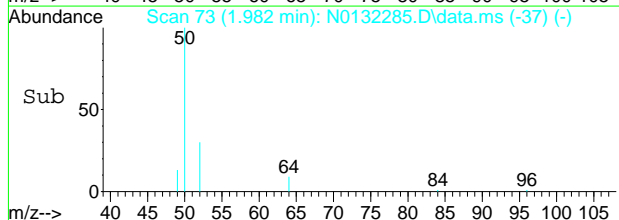
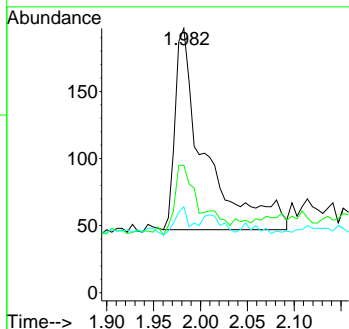
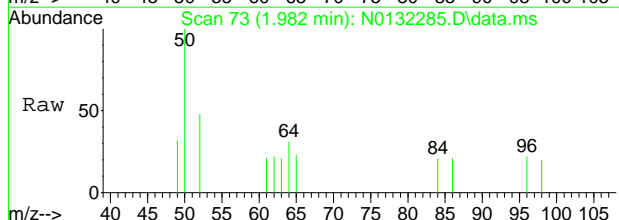
7.1.2
7





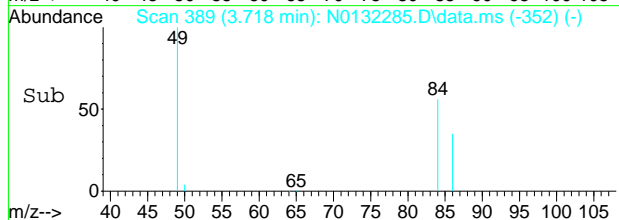
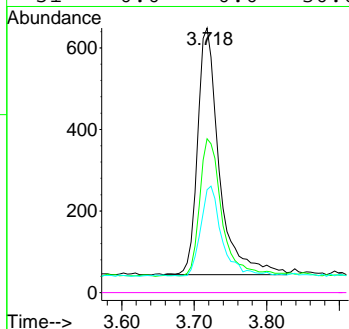
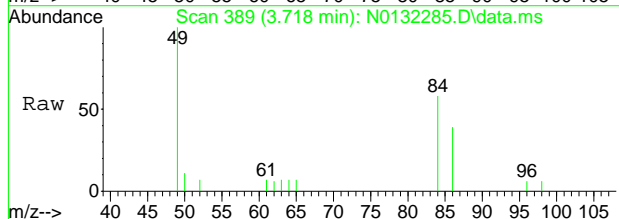
#3
 Chloromethane
 Concen: 0.25 ug/L
 RT: 1.982 min Scan# 73
 Delta R.T. 0.000 min
 Lab File: N0132285.D
 Acq: 27 Aug 2024 9:03 am

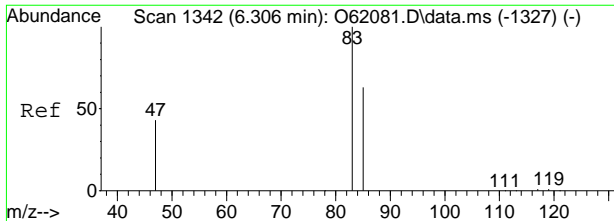
Tgt Ion	Ratio	Lower	Upper
50	100		
52	34.7	2.1	62.1
49	14.0	0.0	39.6



#5
 Methylene Chloride
 Concen: 0.61 ug/L
 RT: 3.718 min Scan# 389
 Delta R.T. 0.006 min
 Lab File: N0132285.D
 Acq: 27 Aug 2024 9:03 am

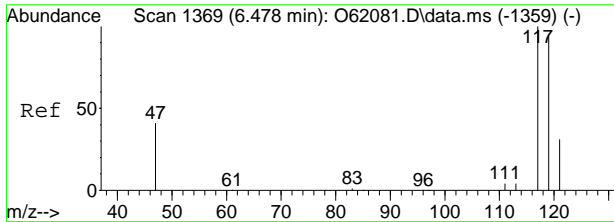
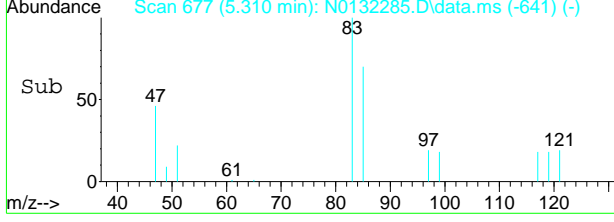
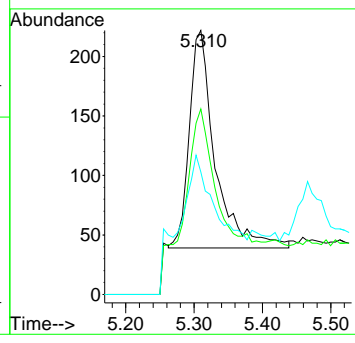
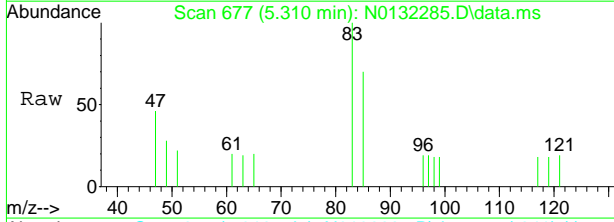
Tgt Ion	Ratio	Lower	Upper
49	100		
84	55.4	20.0	80.0
86	34.5	0.4	60.4
51	0.0	0.0	30.0





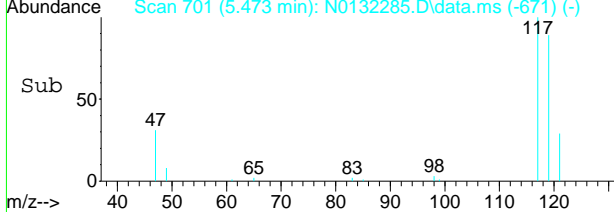
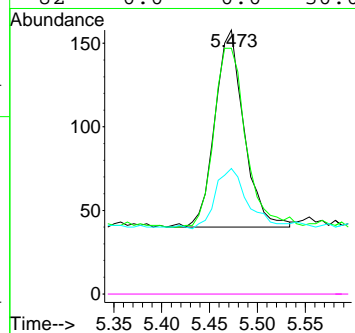
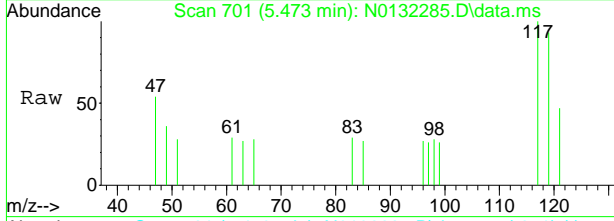
#9
 Chloroform
 Concen: 0.29 ug/L m
 RT: 5.310 min Scan# 677
 Delta R.T. 0.007 min
 Lab File: N0132285.D
 Acq: 27 Aug 2024 9:03 am

Tgt Ion	Resp	Lower	Upper
83	481		
85	70.3	36.3	96.3
47	46.4	2.6	62.6



#10
 Carbon Tetrachloride
 Concen: 0.38 ug/L
 RT: 5.473 min Scan# 701
 Delta R.T. 0.007 min
 Lab File: N0132285.D
 Acq: 27 Aug 2024 9:03 am

Tgt Ion	Resp	Lower	Upper
117	250		
117	100		
119	90.7	67.0	127.0
121	29.7	0.5	60.5
82	0.0	0.0	30.0



Manual Integration Approval Summary

Sample Number: FC18257-2 **Method:** SW846 8260D BY SIM
Lab FileID: N0132285.D **Analyst approved:** 08/28/24 11:19 Jenifer Willis
Injection Time: 08/27/24 09:03 **Supervisor approved:** 08/28/24 14:38 Karen Watson

Parameter	CAS	Sig#	R.T. (min.)	Reason
Chloroform	67-66-3		5.31	Poorly defined baseline

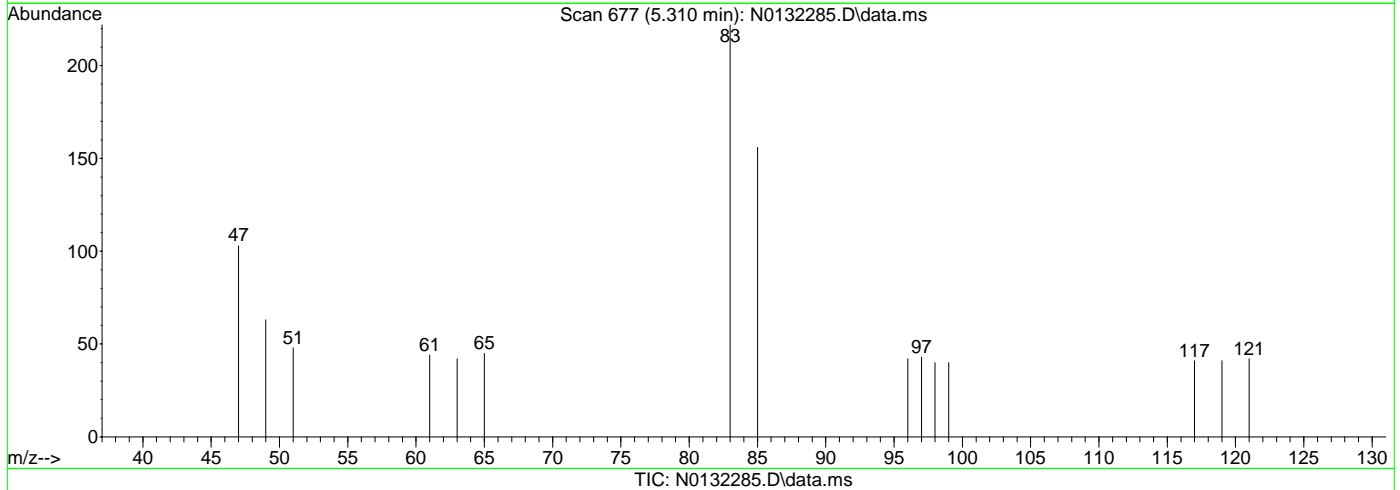
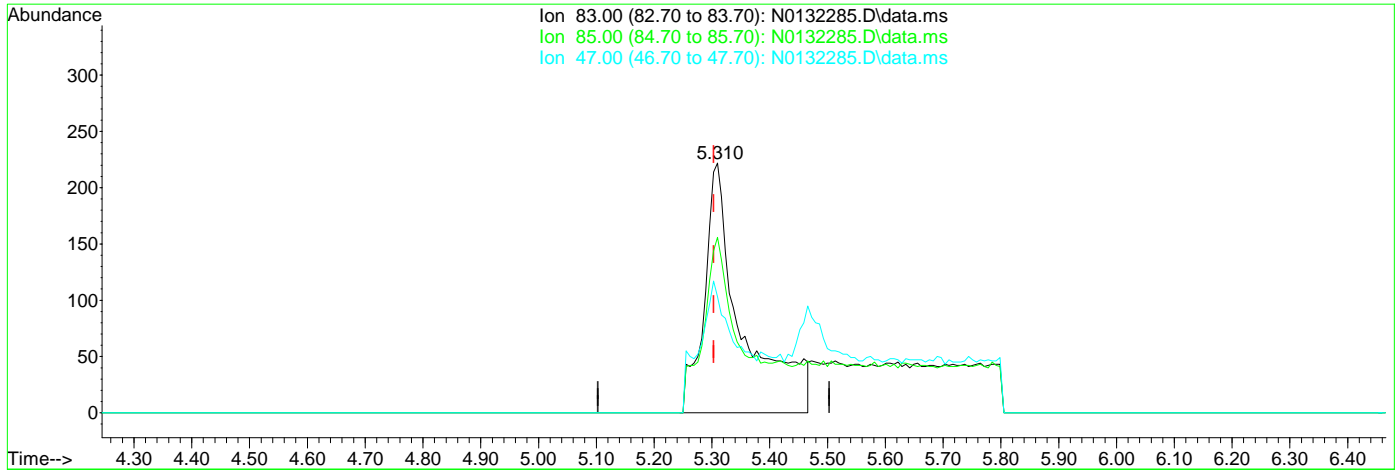
7.1.2.1

7

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\08-27-24\
 Data File : N0132285.D
 Acq On : 27 Aug 2024 9:03 am
 Operator : jeniferw
 Sample : FC18257-2
 Misc : MS57365,VN6709,,,,,
 ALS Vial : 7 Sample Multiplier: 1

Quant Time: Aug 28 05:39:22 2024
 Quant Method : C:\msdchem\1\methods\SIMCL_VN6705_082024.M
 Quant Title : Standard Methods 6200B
 QLast Update : Tue Aug 20 14:01:28 2024
 Response via : Initial Calibration



(9) Chloroform

5.310min (+0.007) 0.60ug/L

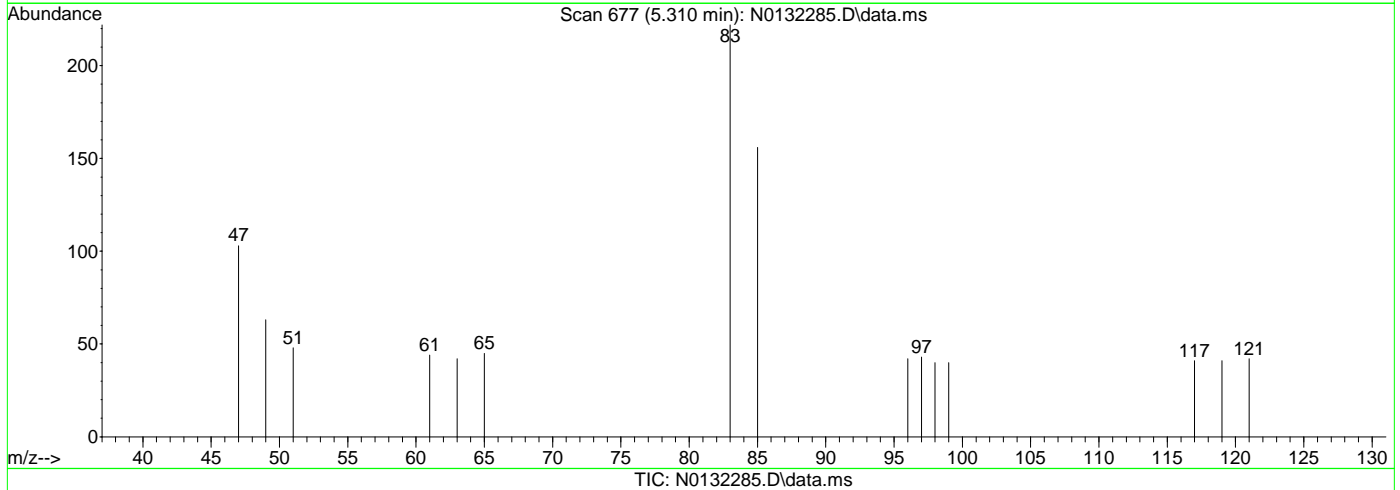
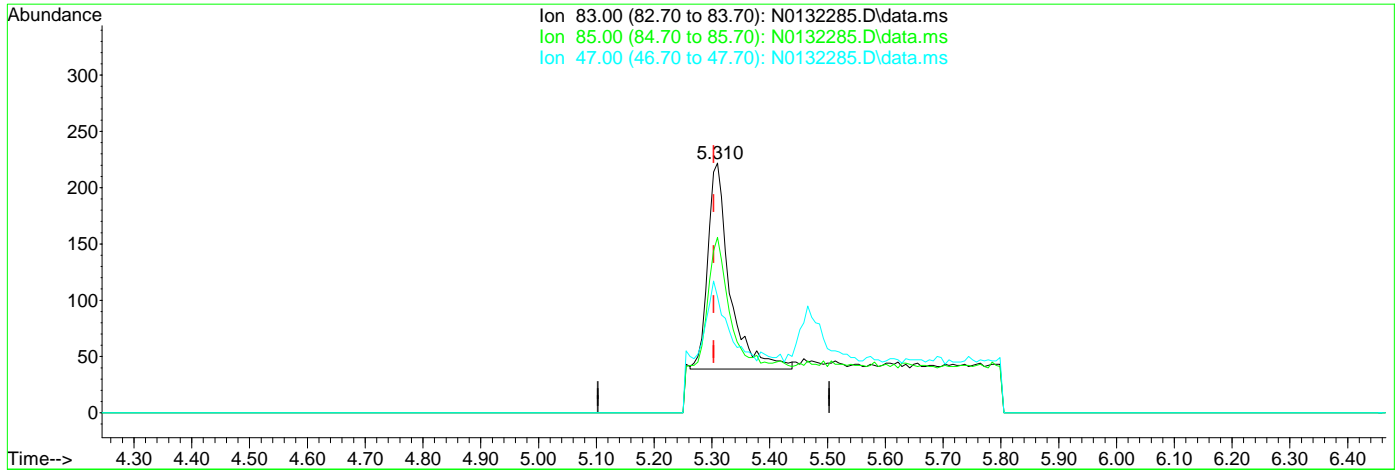
response 990

Ion	Exp%	Act%
83.00	100	100
85.00	66.30	70.27
47.00	32.60	46.40
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\08-27-24\
 Data File : N0132285.D
 Acq On : 27 Aug 2024 9:03 am
 Operator : jeniferw
 Sample : FC18257-2
 Misc : MS57365,VN6709,,,,,
 ALS Vial : 7 Sample Multiplier: 1

Quant Time: Aug 28 05:39:22 2024
 Quant Method : C:\msdchem\1\methods\SIMCL_VN6705_082024.M
 Quant Title : Standard Methods 6200B
 QLast Update : Tue Aug 20 14:01:28 2024
 Response via : Initial Calibration



(9) Chloroform
 5.310min (+0.007) 0.29ug/L m
 response 481

Ion	Exp%	Act%
83.00	100	100
85.00	66.30	70.27
47.00	32.60	46.40
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\08-27-24\
 Data File : N0132286.D
 Acq On : 27 Aug 2024 9:27 am
 Operator : jeniferw
 Sample : FC18257-3
 Misc : MS57365,VN6709,,,,,
 ALS Vial : 8 Sample Multiplier: 1

Quant Time: Aug 28 10:58:44 2024
 Quant Method : C:\msdchem\1\methods\SIMCL_VN6705_082024.M
 Quant Title : Standard Methods 6200B
 QLast Update : Tue Aug 20 14:01:28 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Fluorobenzene	6.341	96	43199	5.00	ug/L	0.00
18) Chlorobenzene-d5	9.519	117	27606	5.00	ug/L	0.00
System Monitoring Compounds						
13) 1,2-Dichloroethane-d4	6.045	65	19632	5.28	ug/L	0.00
Spiked Amount	5.000	Range 74 - 125	Recovery	=	105.60%	
19) Toluene-d8	7.950	98	32240	5.29	ug/L	0.00
Spiked Amount	5.000	Range 88 - 111	Recovery	=	105.80%	
Target Compounds						
3) Chloromethane	1.982	50	294	0.23	ug/L	91
5) Methylene Chloride	3.718	49	1186	0.59	ug/L	87

(#) = qualifier out of range (m) = manual integration (+) = signals summed

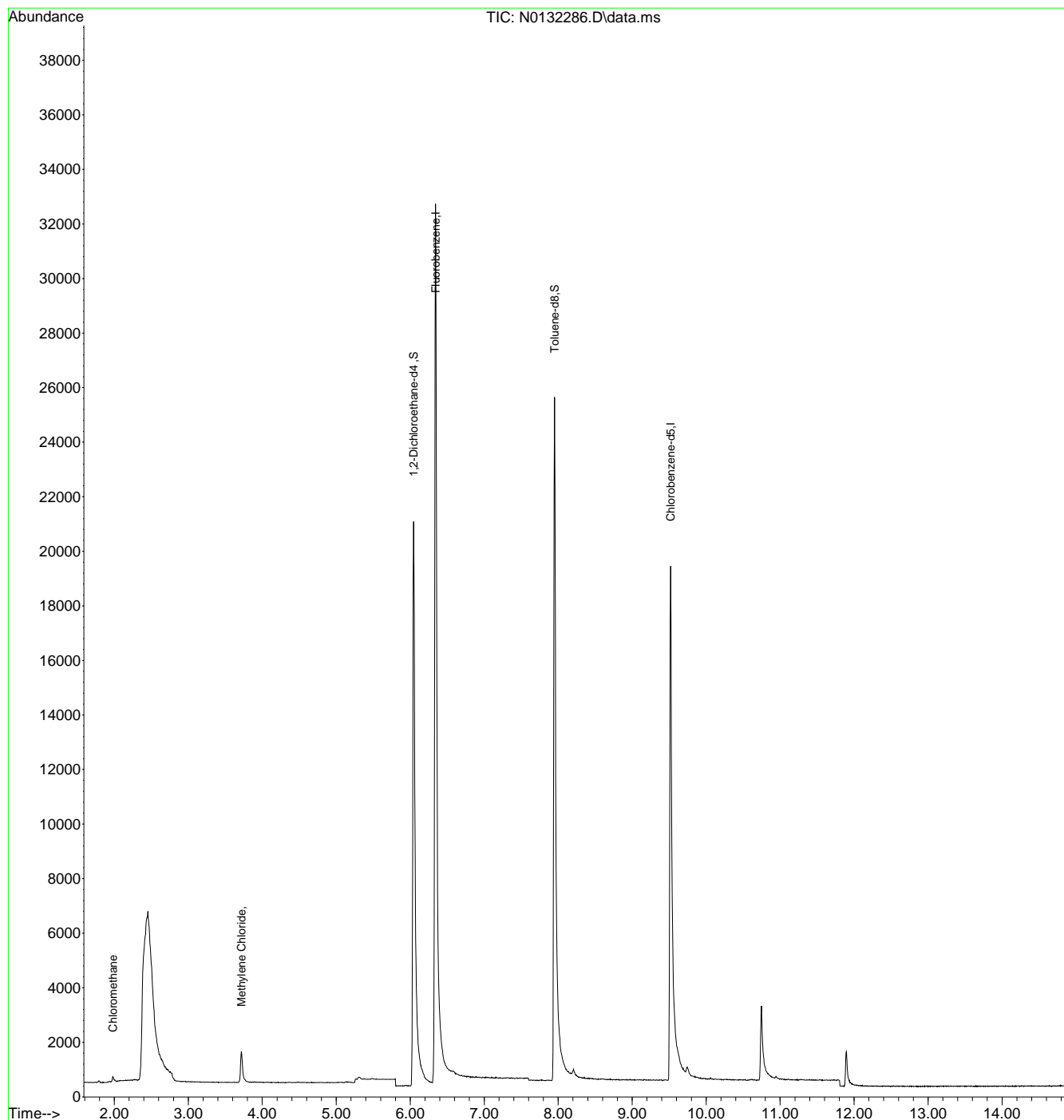
7.1.3
7



Quantitation Report (QT Reviewed)

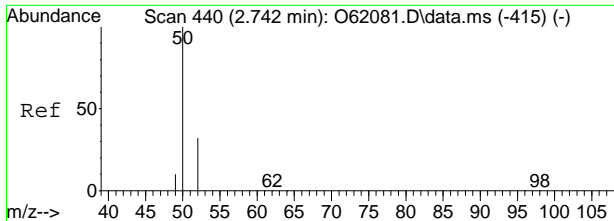
Data Path : C:\msdchem\1\data\08-27-24\
 Data File : N0132286.D
 Acq On : 27 Aug 2024 9:27 am
 Operator : jeniferw
 Sample : FC18257-3
 Misc : MS57365,VN6709,,,,,
 ALS Vial : 8 Sample Multiplier: 1

Quant Time: Aug 28 10:58:44 2024
 Quant Method : C:\msdchem\1\methods\SIMCL_VN6705_082024.M
 Quant Title : Standard Methods 6200B
 QLast Update : Tue Aug 20 14:01:28 2024
 Response via : Initial Calibration



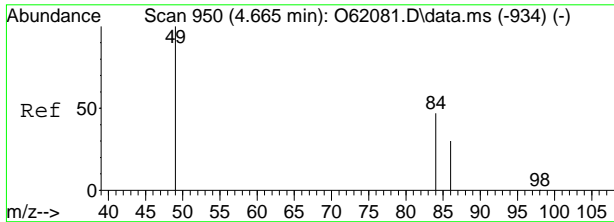
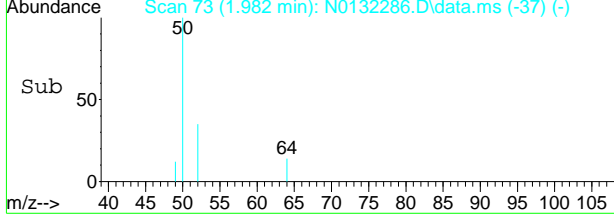
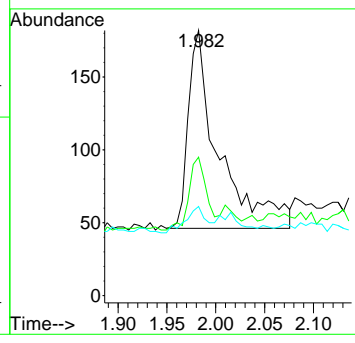
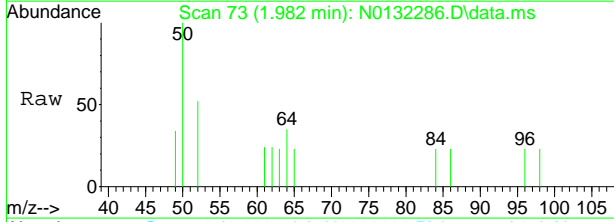
7.1.3
7





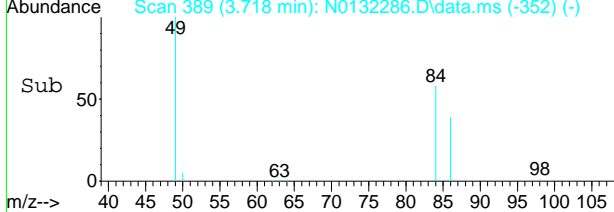
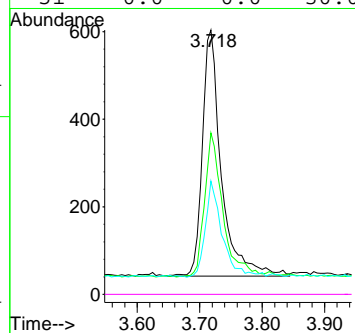
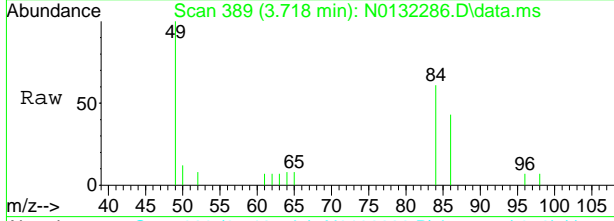
#3
 Chloromethane
 Concen: 0.23 ug/L
 RT: 1.982 min Scan# 73
 Delta R.T. 0.000 min
 Lab File: N0132286.D
 Acq: 27 Aug 2024 9:27 am

Tgt Ion	Ratio	Lower	Upper
50	100		
52	36.8	2.1	62.1
49	13.2	0.0	39.6



#5
 Methylene Chloride
 Concen: 0.59 ug/L
 RT: 3.718 min Scan# 389
 Delta R.T. 0.006 min
 Lab File: N0132286.D
 Acq: 27 Aug 2024 9:27 am

Tgt Ion	Ratio	Lower	Upper
49	100		
84	58.0	20.0	80.0
86	38.8	0.4	60.4
51	0.0	0.0	30.0



7.13
7

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\08-27-24\
 Data File : N0132283.D
 Acq On : 27 Aug 2024 8:09 am
 Operator : jeniferw
 Sample : MB
 Misc : MS57355,VN6709,,,,,
 ALS Vial : 5 Sample Multiplier: 1

Quant Time: Aug 27 08:24:35 2024
 Quant Method : C:\msdchem\1\methods\SIMCL_VN6705_082024.M
 Quant Title : Standard Methods 6200B
 QLast Update : Tue Aug 20 14:01:28 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Fluorobenzene	6.341	96	44975	5.00	ug/L	0.00
18) Chlorobenzene-d5	9.519	117	28971	5.00	ug/L	0.00
System Monitoring Compounds						
13) 1,2-Dichloroethane-d4	6.045	65	20277	5.24	ug/L	0.00
Spiked Amount	5.000	Range 74 - 125	Recovery	=	104.80%	
19) Toluene-d8	7.951	98	33658	5.26	ug/L	0.00
Spiked Amount	5.000	Range 88 - 111	Recovery	=	105.20%	
Target Compounds						
3) Chloromethane	1.982	50	409	0.31	ug/L	97
5) Methylene Chloride	3.718	49	1497	0.71	ug/L	91

(#) = qualifier out of range (m) = manual integration (+) = signals summed

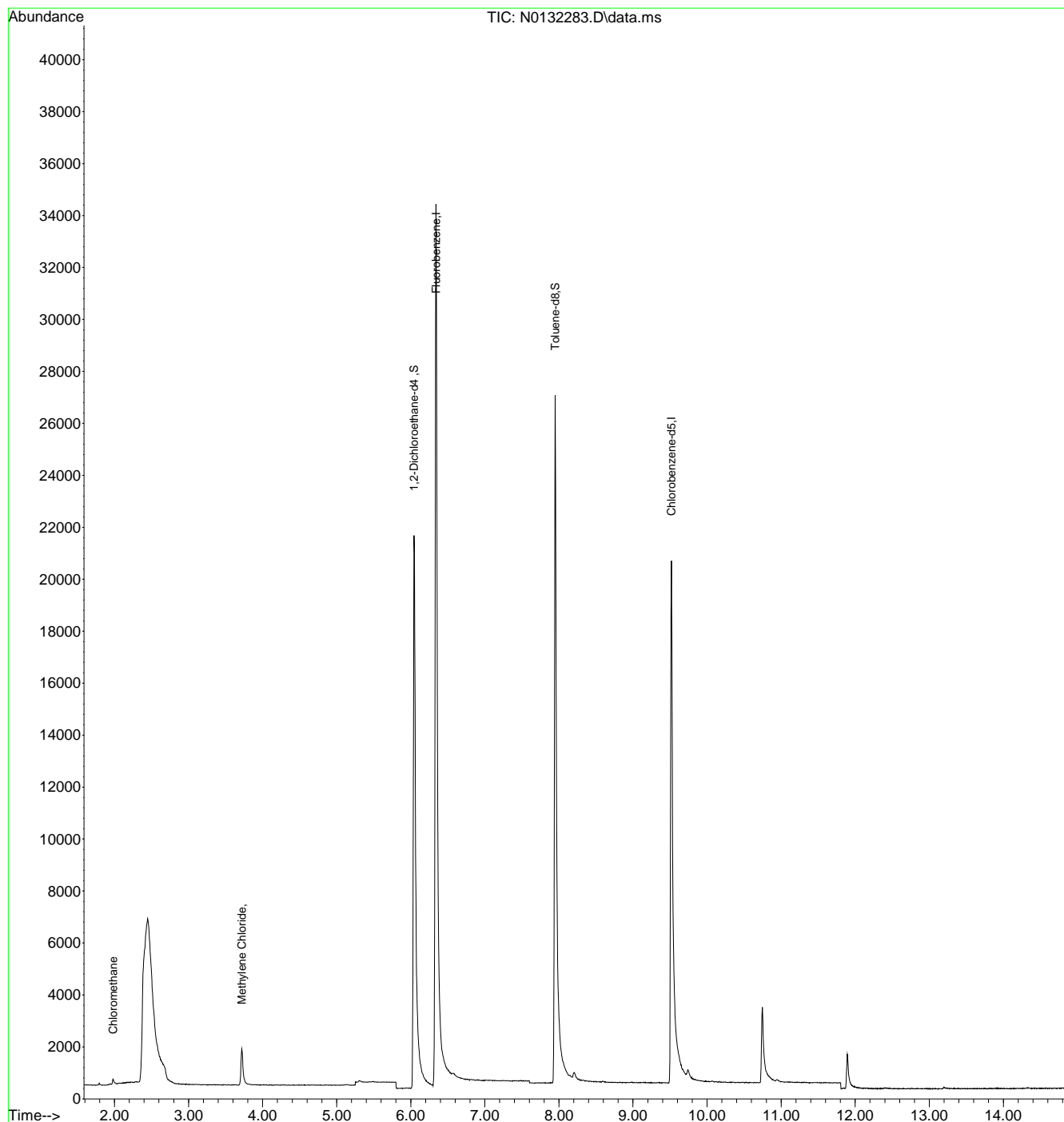
7.2.1
7

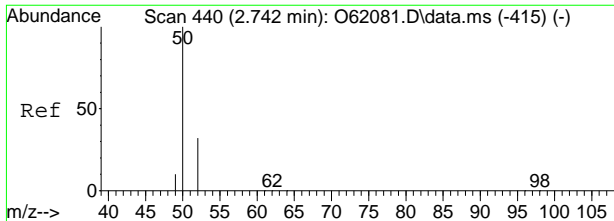


Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\08-27-24\
Data File : N0132283.D
Acq On : 27 Aug 2024 8:09 am
Operator : jeniferw
Sample : MB
Misc : MS57355,VN6709,,,,,
ALS Vial : 5 Sample Multiplier: 1

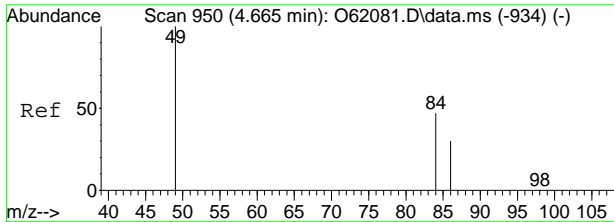
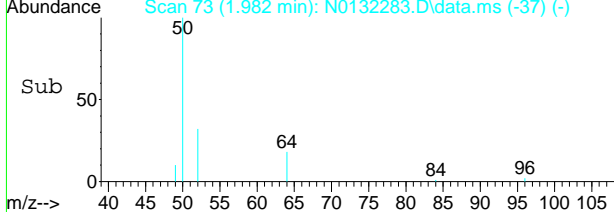
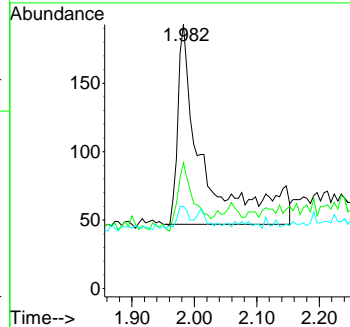
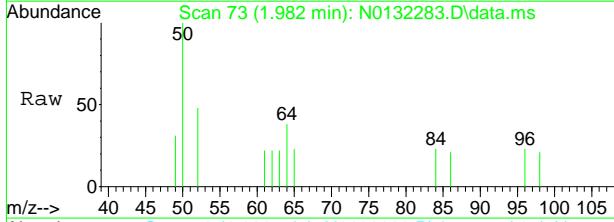
Quant Time: Aug 27 08:24:35 2024
Quant Method : C:\msdchem\1\methods\SIMCL_VN6705_082024.M
Quant Title : Standard Methods 6200B
QLast Update : Tue Aug 20 14:01:28 2024
Response via : Initial Calibration





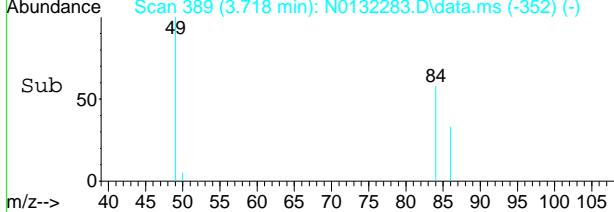
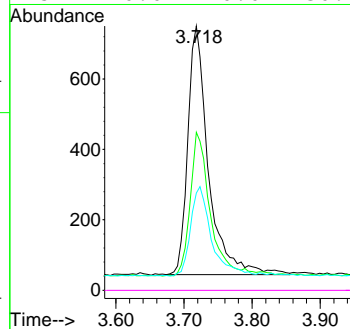
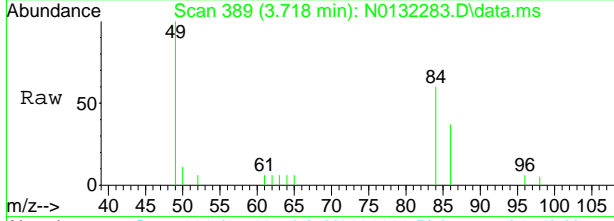
#3
 Chloromethane
 Concen: 0.31 ug/L
 RT: 1.982 min Scan# 73
 Delta R.T. 0.000 min
 Lab File: N0132283.D
 Acq: 27 Aug 2024 8:09 am

Tgt Ion	Resp	Lower	Upper
50	409		
52	33.6	2.1	62.1
49	11.0	0.0	39.6



#5
 Methylene Chloride
 Concen: 0.71 ug/L
 RT: 3.718 min Scan# 389
 Delta R.T. 0.006 min
 Lab File: N0132283.D
 Acq: 27 Aug 2024 8:09 am

Tgt Ion	Resp	Lower	Upper
49	1497		
49	100		
84	57.6	20.0	80.0
86	33.1	0.4	60.4
51	0.0	0.0	30.0



7.2.1
7

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\08-27-24\
 Data File : N0132281.D
 Acq On : 27 Aug 2024 7:22 am
 Operator : jeniferw
 Sample : BS
 Misc : MS57355,VN6709,,,,,
 ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 27 07:42:09 2024
 Quant Method : C:\msdchem\1\methods\SIMCL_VN6705_082024.M
 Quant Title : Standard Methods 6200B
 QLast Update : Tue Aug 20 14:01:28 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	

Internal Standards							
1) Fluorobenzene	6.341	96	54028	5.00	ug/L	0.00	
18) Chlorobenzene-d5	9.519	117	34542	5.00	ug/L	0.00	
System Monitoring Compounds							
13) 1,2-Dichloroethane-d4	6.045	65	22521	4.85	ug/L	0.00	
Spiked Amount	5.000	Range 74 - 125	Recovery	=	97.00%		
19) Toluene-d8	7.951	98	40399	5.30	ug/L	0.00	
Spiked Amount	5.000	Range 88 - 111	Recovery	=	106.00%		
Target Compounds							
							Qvalue
2) Vinyl Chloride	2.065	62	6788	5.68	ug/L		97
3) Chloromethane	1.982	50	9132	5.72	ug/L		99
4) 1,1-Dichloroethene	3.152	61	9374	5.90	ug/L		92
5) Methylene Chloride	3.712	49	15367	6.76	ug/L		100
6) trans-1,2-Dichloroethene	3.888	61	8134	6.13	ug/L		91
7) 1,1-Dichloroethane	4.487	63	10703	6.01	ug/L		100
8) cis-1,2-Dichloroethene	5.041	96	4856	6.24	ug/L		99
9) Chloroform	5.303	83	10982	5.81	ug/L		99
10) Carbon Tetrachloride	5.466	117	4347	5.38	ug/L		97
11) 1,1,1-Trichloroethane	5.527	97	6745	5.87	ug/L		99
12) Benzene	5.915	78	17372	6.02	ug/L		99
14) 1,2-Dichloroethane	6.121	62	8310	6.10	ug/L		99
15) Trichloroethene	6.537	95	4794	5.90	ug/L		97
16) 1,2-Dichloropropane	7.052	63	5464	6.00	ug/L		98
17) cis-1,3-Dichloropropene	7.774	75	4441	6.16	ug/L		99
20) trans-1,3-Dichloropropene	8.435	75	3843	6.09	ug/L		93
21) Tetrachloroethene	8.413	166	5004	6.43	ug/L #		99
22) 1,4-Dichlorobenzene	11.909	146	10702	6.06	ug/L		96
23) 1,2-Dibromo-3-Chloropr...	13.179	75	851	5.88	ug/L		95

(#) = qualifier out of range (m) = manual integration (+) = signals summed

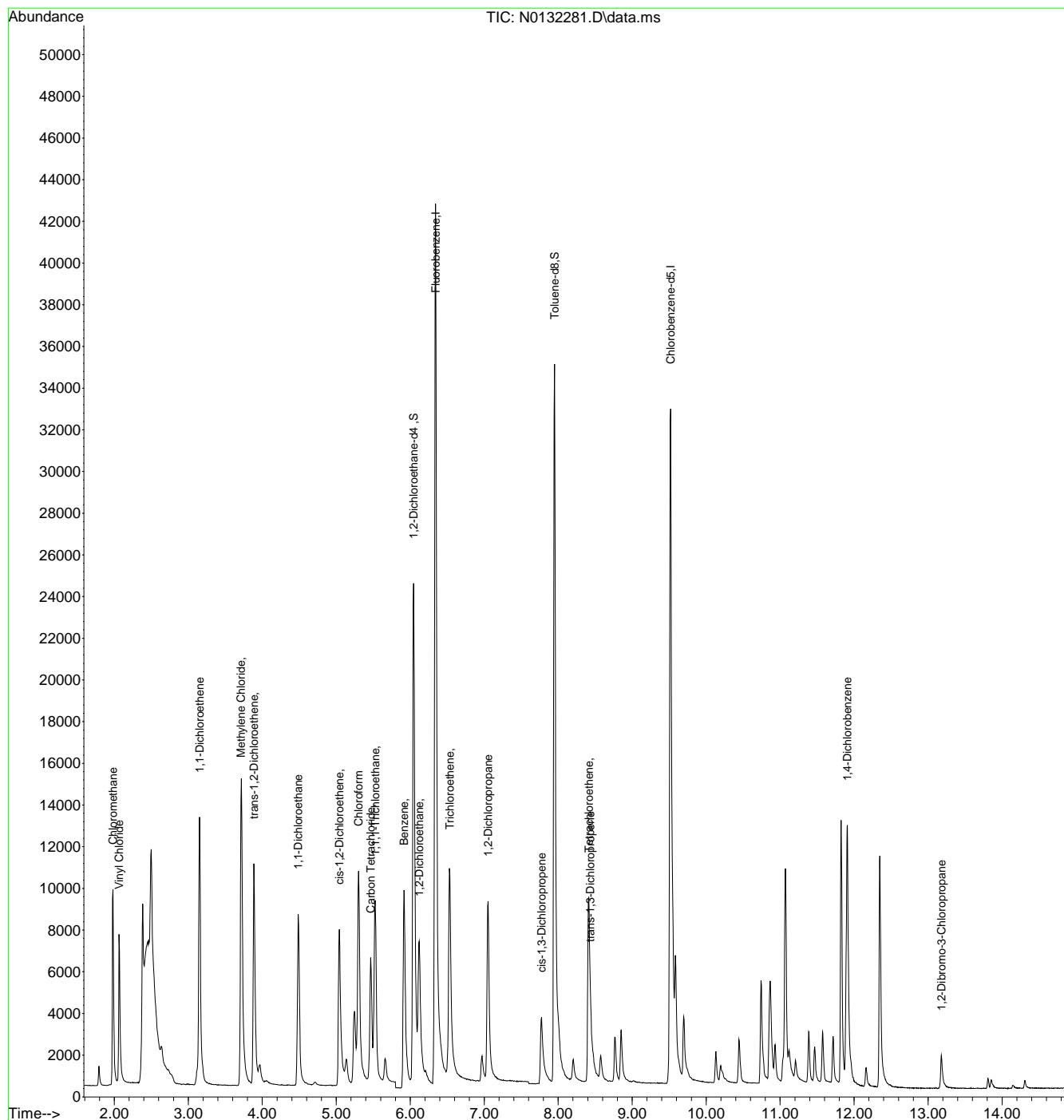
7.3.1
7



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\08-27-24\
 Data File : N0132281.D
 Acq On : 27 Aug 2024 7:22 am
 Operator : jeniferw
 Sample : BS
 Misc : MS57355,VN6709,,,,,
 ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 27 07:42:09 2024
 Quant Method : C:\msdchem\1\methods\SIMCL_VN6705_082024.M
 Quant Title : Standard Methods 6200B
 QLast Update : Tue Aug 20 14:01:28 2024
 Response via : Initial Calibration



7.3.1
7

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\08-27-24\
 Data File : N0132304.D
 Acq On : 27 Aug 2024 4:29 pm
 Operator : jeniferw
 Sample : FC18257-2MS
 Misc : MS57365,VN6709,,,,,5
 ALS Vial : 26 Sample Multiplier: 1

Quant Time: Aug 28 05:40:00 2024
 Quant Method : C:\msdchem\1\methods\SIMCL_VN6705_082024.M
 Quant Title : Standard Methods 6200B
 QLast Update : Tue Aug 20 14:01:28 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	

Internal Standards							
1) Fluorobenzene	6.341	96	46907	5.00	ug/L	0.00	
18) Chlorobenzene-d5	9.519	117	30014	5.00	ug/L	0.00	
System Monitoring Compounds							
13) 1,2-Dichloroethane-d4	6.045	65	21245	5.27	ug/L	0.00	
Spiked Amount	5.000	Range 74 - 125	Recovery	=	105.40%		
19) Toluene-d8	7.951	98	34207	5.16	ug/L	0.00	
Spiked Amount	5.000	Range 88 - 111	Recovery	=	103.20%		
Target Compounds							
							Qvalue
2) Vinyl Chloride	2.065	62	5739	5.53	ug/L		99
3) Chloromethane	1.977	50	7636	5.51	ug/L		98
4) 1,1-Dichloroethene	3.152	61	7581	5.49	ug/L		91
5) Methylene Chloride	3.712	49	14688	7.56	ug/L		98
6) trans-1,2-Dichloroethene	3.888	61	6804	5.91	ug/L		91
7) 1,1-Dichloroethane	4.487	63	9527	6.16	ug/L		100
8) cis-1,2-Dichloroethene	5.041	96	4011	5.94	ug/L		96
9) Chloroform	5.303	83	9861	6.03	ug/L		97
10) Carbon Tetrachloride	5.466	117	3557	5.07	ug/L		98
11) 1,1,1-Trichloroethane	5.527	97	5668	5.68	ug/L		98
12) Benzene	5.919	78	14807	5.91	ug/L		98
14) 1,2-Dichloroethane	6.121	62	7775	6.57	ug/L		97
15) Trichloroethene	6.537	95	3991	5.66	ug/L		97
16) 1,2-Dichloropropane	7.052	63	4840	6.12	ug/L		99
17) cis-1,3-Dichloropropene	7.774	75	3490	5.58	ug/L		97
20) trans-1,3-Dichloropropene	8.435	75	3079	5.67	ug/L		94
21) Tetrachloroethene	8.413	166	4233	6.26	ug/L #		98
22) 1,4-Dichlorobenzene	11.906	146	9185	5.99	ug/L		96
23) 1,2-Dibromo-3-Chloropr...	13.179	75	569	4.53	ug/L		95

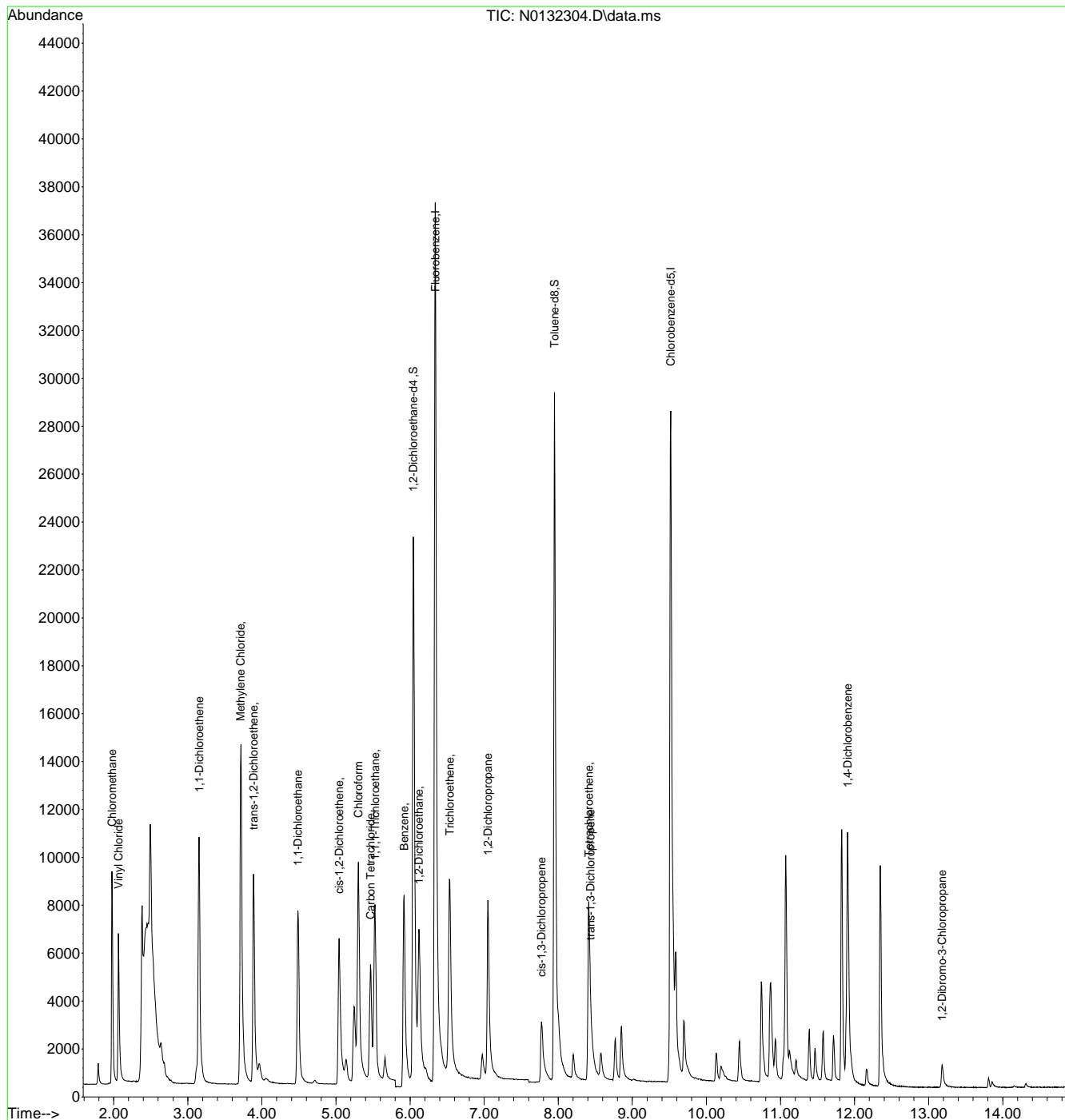
(#) = qualifier out of range (m) = manual integration (+) = signals summed

7.4.1
7

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\08-27-24\
 Data File : N0132304.D
 Acq On : 27 Aug 2024 4:29 pm
 Operator : jeniferw
 Sample : FC18257-2MS
 Misc : MS57365,VN6709,,,,,5
 ALS Vial : 26 Sample Multiplier: 1

Quant Time: Aug 28 05:40:00 2024
 Quant Method : C:\msdchem\1\methods\SIMCL_VN6705_082024.M
 Quant Title : Standard Methods 6200B
 QLast Update : Tue Aug 20 14:01:28 2024
 Response via : Initial Calibration



7.4.1
7



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\08-27-24\
 Data File : N0132305.D
 Acq On : 27 Aug 2024 4:52 pm
 Operator : jeniferw
 Sample : FC18257-2MSD
 Misc : MS57365,VN6709,,,,,5
 ALS Vial : 27 Sample Multiplier: 1

Quant Time: Aug 28 05:40:02 2024
 Quant Method : C:\msdchem\1\methods\SIMCL_VN6705_082024.M
 Quant Title : Standard Methods 6200B
 QLast Update : Tue Aug 20 14:01:28 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	

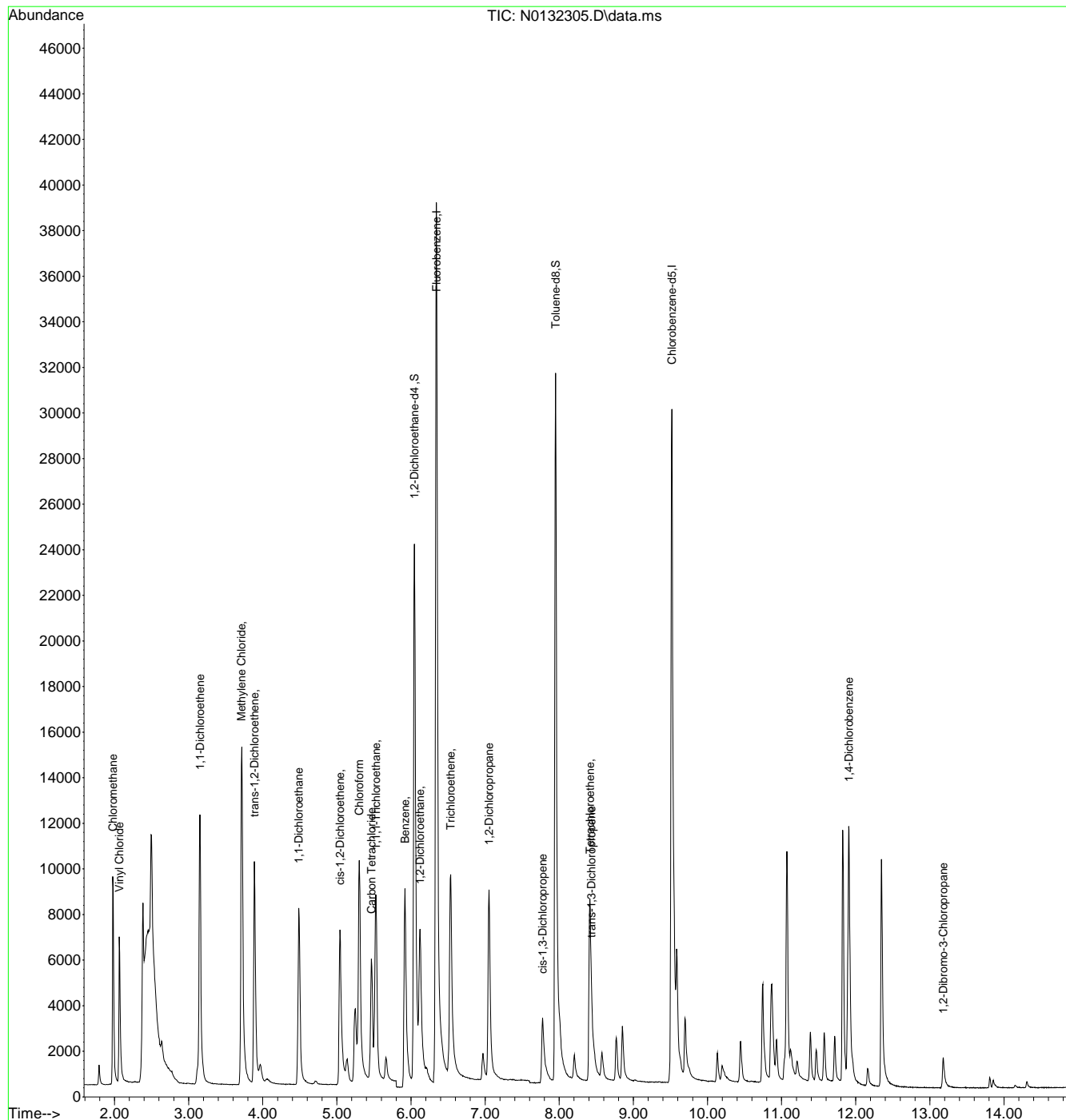
Internal Standards							
1) Fluorobenzene	6.341	96	50410	5.00	ug/L	0.00	
18) Chlorobenzene-d5	9.519	117	31609	5.00	ug/L	0.00	
System Monitoring Compounds							
13) 1,2-Dichloroethane-d4	6.045	65	22188	5.12	ug/L	0.00	
Spiked Amount	5.000	Range	74 - 125	Recovery	=	102.40%	
19) Toluene-d8	7.951	98	36979	5.30	ug/L	0.00	
Spiked Amount	5.000	Range	88 - 111	Recovery	=	106.00%	
Target Compounds							
							Qvalue
2) Vinyl Chloride	2.065	62	6109	5.48	ug/L		100
3) Chloromethane	1.977	50	8625	5.79	ug/L		99
4) 1,1-Dichloroethene	3.152	61	8586	5.79	ug/L		90
5) Methylene Chloride	3.712	49	15116	7.19	ug/L		99
6) trans-1,2-Dichloroethene	3.888	61	7358	5.94	ug/L		92
7) 1,1-Dichloroethane	4.487	63	10080	6.06	ug/L		100
8) cis-1,2-Dichloroethene	5.041	96	4384	6.04	ug/L		97
9) Chloroform	5.303	83	10526	5.98	ug/L		98
10) Carbon Tetrachloride	5.466	117	3947	5.23	ug/L		98
11) 1,1,1-Trichloroethane	5.527	97	6196	5.77	ug/L		99
12) Benzene	5.919	78	16035	5.95	ug/L		98
14) 1,2-Dichloroethane	6.121	62	8169	6.42	ug/L		99
15) Trichloroethene	6.537	95	4330	5.71	ug/L		98
16) 1,2-Dichloropropane	7.052	63	5208	6.13	ug/L		99
17) cis-1,3-Dichloropropene	7.774	75	3833	5.70	ug/L		96
20) trans-1,3-Dichloropropene	8.435	75	3385	5.89	ug/L		95
21) Tetrachloroethene	8.413	166	4584	6.44	ug/L #		96
22) 1,4-Dichlorobenzene	11.906	146	9770	6.05	ug/L		96
23) 1,2-Dibromo-3-Chloropr...	13.179	75	758	5.73	ug/L		98

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\08-27-24\
 Data File : N0132305.D
 Acq On : 27 Aug 2024 4:52 pm
 Operator : jeniferw
 Sample : FC18257-2MSD
 Misc : MS57365,VN6709,,,,,5
 ALS Vial : 27 Sample Multiplier: 1

Quant Time: Aug 28 05:40:02 2024
 Quant Method : C:\msdchem\1\methods\SIMCL_VN6705_082024.M
 Quant Title : Standard Methods 6200B
 QLast Update : Tue Aug 20 14:01:28 2024
 Response via : Initial Calibration



7.4.2
7



Methods: SW-846 8260B

Data File : C:\msdchem\1\data\08-20-24\N0132197.D

Vial: 1

Acq On : 20 Aug 2024 9:04 am

Operator: jeniferw

Sample : BFB

Inst : MSVOA6-N

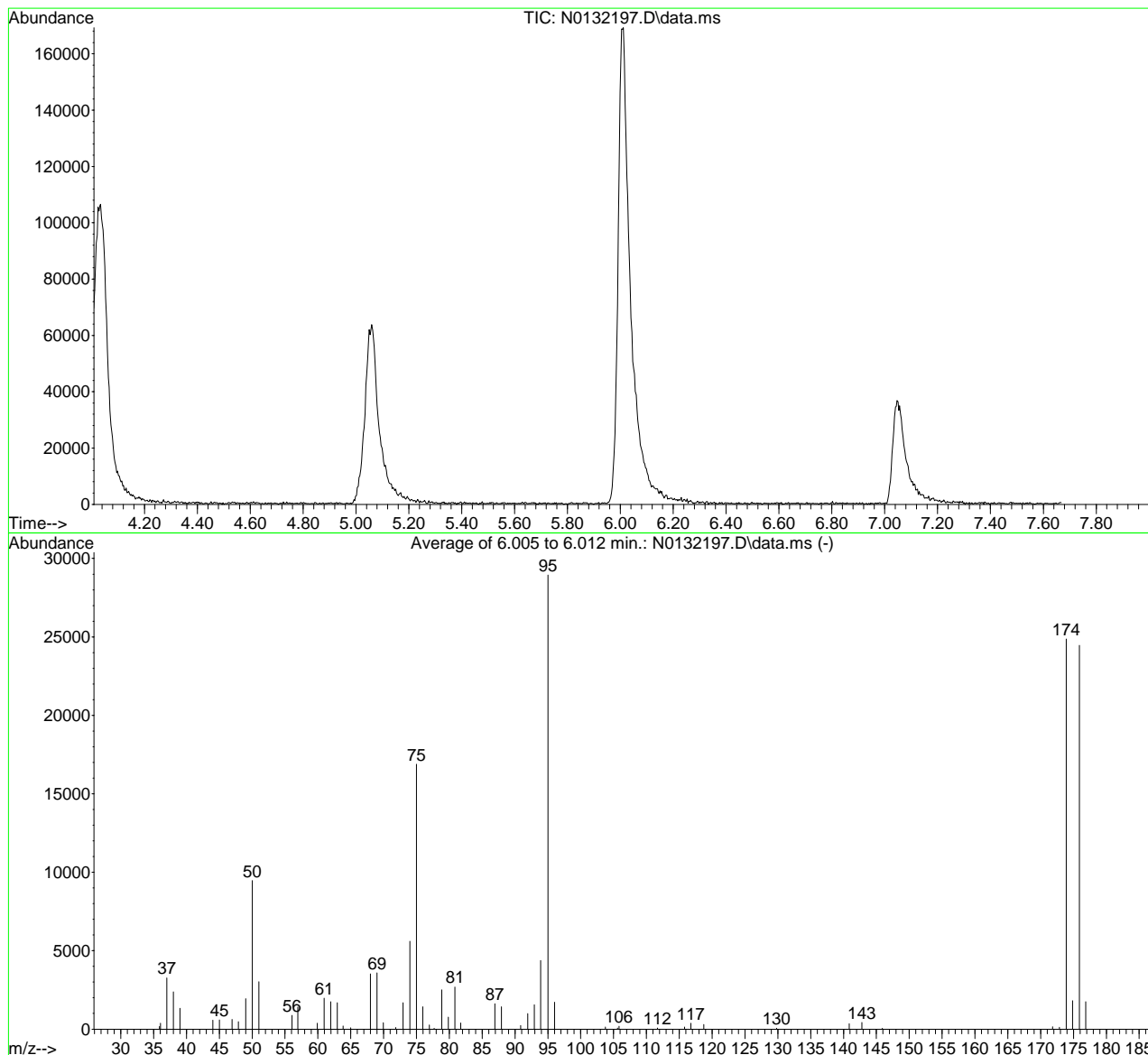
Misc : MS57274,VN6705,,,,,

Multiplr: 1.00

MS Integration Params: rteint.p

Method : C:\msdchem\1\met..._VN6705_082024.M (RTE Integrator)

Title : Standard Methods 6200B



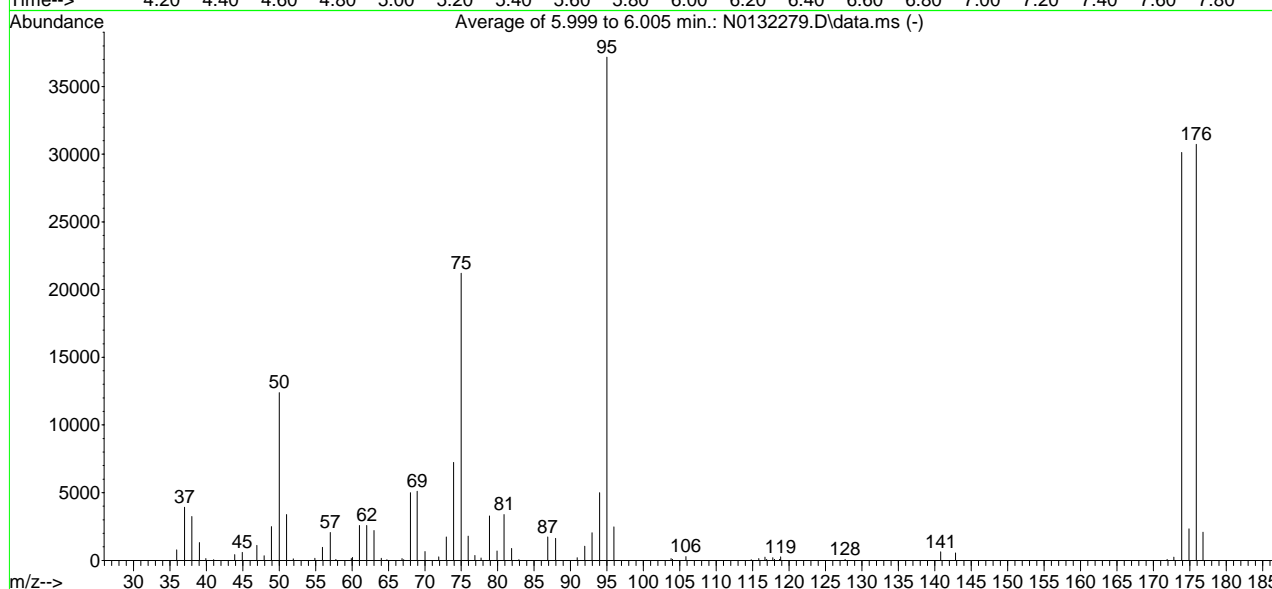
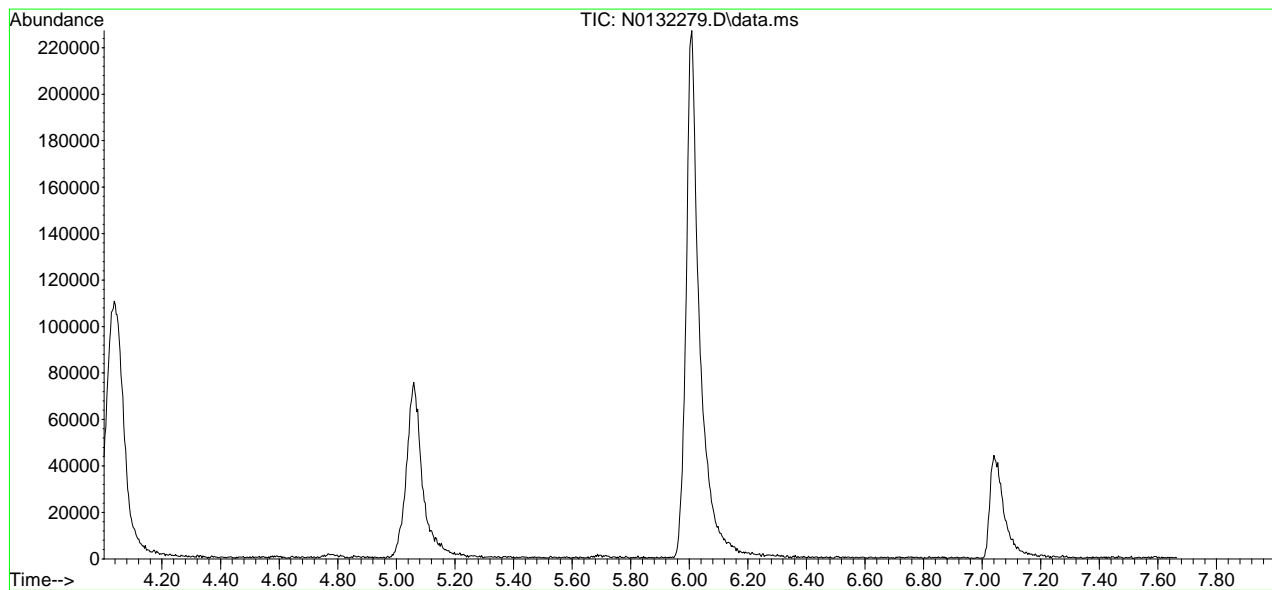
AutoFind: Scans 721, 722, 723; Background Corrected with Scan 702

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
95	95	100	100	100.0	28939	PASS
96	95	5	9	5.9	1718	PASS
173	174	0.00	2	0.5	120	PASS
174	95	50	200	85.9	24867	PASS
175	174	5	9	7.3	1811	PASS
176	174	95	105	98.4	24459	PASS
177	176	5	10	7.1	1743	PASS

Methods: SW-846 8260B

Data File : C:\msdchem\1\data\08-27-24\N0132279.D Vial: 1
 Acq On : 27 Aug 2024 6:31 am Operator: jeniferw
 Sample : BFB Inst : MSVOA6-N
 Misc : MS57355,VN6709,,,, Multiplr: 1.00
 MS Integration Params: rteint.p

Method : C:\msdchem\1\met..._VN6705_082024.M (RTE Integrator)
 Title : Standard Methods 6200B



AutoFind: Scans 719, 720, 721; Background Corrected with Scan 701

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
95	95	100	100	100.0	37160	PASS
96	95	5	9	6.7	2478	PASS
173	174	0.00	2	0.8	242	PASS
174	95	50	200	81.1	30133	PASS
175	174	5	9	7.7	2328	PASS
176	174	95	105	102.0	30733	PASS
177	176	5	10	6.8	2080	PASS

N0132279.D SIMCL_VN6705_082024.M Tue Aug 27 07:15:06 2024

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\08-20-24\
 Data File : N0132200.D
 Acq On : 20 Aug 2024 10:17 am
 Operator : jeniferw
 Sample : IC6705-3
 Misc : MS57318,VN6705,,,,,
 ALS Vial : 4 Sample Multiplier: 1

Quant Time: Aug 20 11:00:35 2024
 Quant Method : C:\msdchem\1\methods\SIMCL_VN6705_082024.M
 Quant Title : Standard Methods 6200B
 QLast Update : Wed May 22 11:09:52 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Fluorobenzene	6.341	96	46182	5.00	ug/L	0.00
18) Chlorobenzene-d5	9.519	117	30522	5.00	ug/L	0.00
System Monitoring Compounds						
13) 1,2-Dichloroethane-d4	6.045	65	21421	6.43	ug/L	0.00
Spiked Amount	5.000	Range 74 - 125	Recovery	=	128.60%#	
19) Toluene-d8	7.951	98	33133	5.47	ug/L	0.00
Spiked Amount	5.000	Range 88 - 111	Recovery	=	109.40%	
Target Compounds						
						Qvalue
2) Vinyl Chloride	2.065	62	2279	1.70	ug/L	96
3) Chloromethane	1.982	50	3557	2.28	ug/L	99
4) 1,1-Dichloroethene	3.152	61	2696	1.52	ug/L	89
5) Methylene Chloride	3.718	49	5181	2.31	ug/L	81
6) trans-1,2-Dichloroethene	3.888	61	2171	1.34	ug/L	83
7) 1,1-Dichloroethane	4.492	63	3108	1.41	ug/L	98
8) cis-1,2-Dichloroethene	5.047	96	1281	1.02	ug/L #	79
9) Chloroform	5.303	83	3640	1.37	ug/L	92
10) Carbon Tetrachloride	5.473	117	1305	1.04	ug/L	97
11) 1,1,1-Trichloroethane	5.527	97	1917	1.00	ug/L	89
12) Benzene	5.923	78	4760	1.25	ug/L	93
14) 1,2-Dichloroethane	6.125	62	2409	1.35	ug/L	90
15) Trichloroethene	6.543	95	1301	1.02	ug/L	93
16) 1,2-Dichloropropane	7.052	63	1534	1.40	ug/L	91
17) cis-1,3-Dichloropropene	7.785	75	1038	0.98	ug/L	86
20) trans-1,3-Dichloropropene	8.462	75	856	0.86	ug/L #	71
21) Tetrachloroethene	8.418	166	1339	0.95	ug/L #	96
22) 1,4-Dichlorobenzene	11.909	146	2846	1.00	ug/L #	73
23) 1,2-Dibromo-3-Chloropr...	13.189	75	271m	1.09	ug/L	

(#) = qualifier out of range (m) = manual integration (+) = signals summed

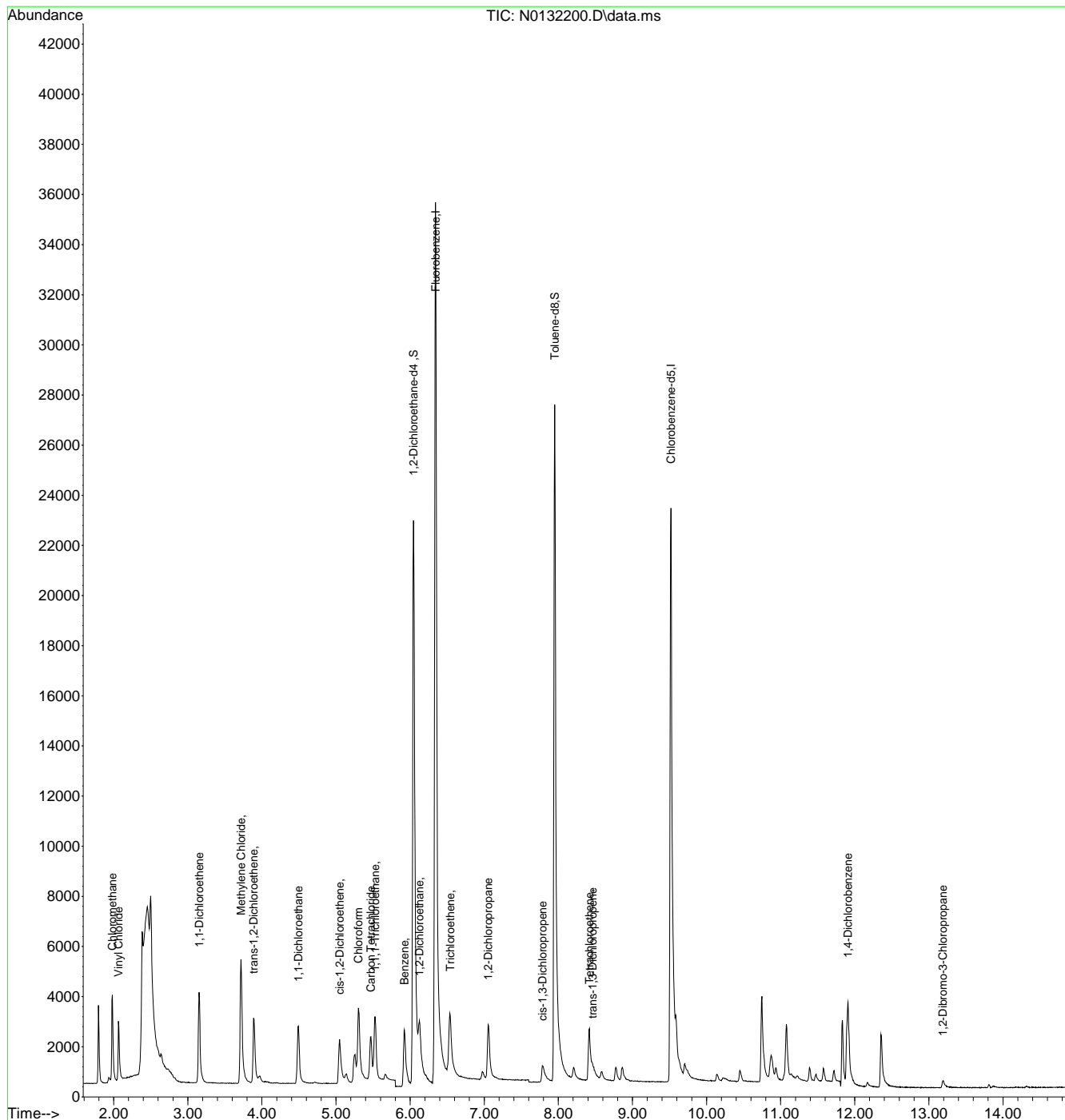
7.6.1
7



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\08-20-24\
 Data File : N0132200.D
 Acq On : 20 Aug 2024 10:17 am
 Operator : jeniferw
 Sample : IC6705-3
 Misc : MS57318,VN6705,,,,,
 ALS Vial : 4 Sample Multiplier: 1

Quant Time: Aug 20 11:00:35 2024
 Quant Method : C:\msdchem\1\methods\SIMCL_VN6705_082024.M
 Quant Title : Standard Methods 6200B
 QLast Update : Wed May 22 11:09:52 2024
 Response via : Initial Calibration

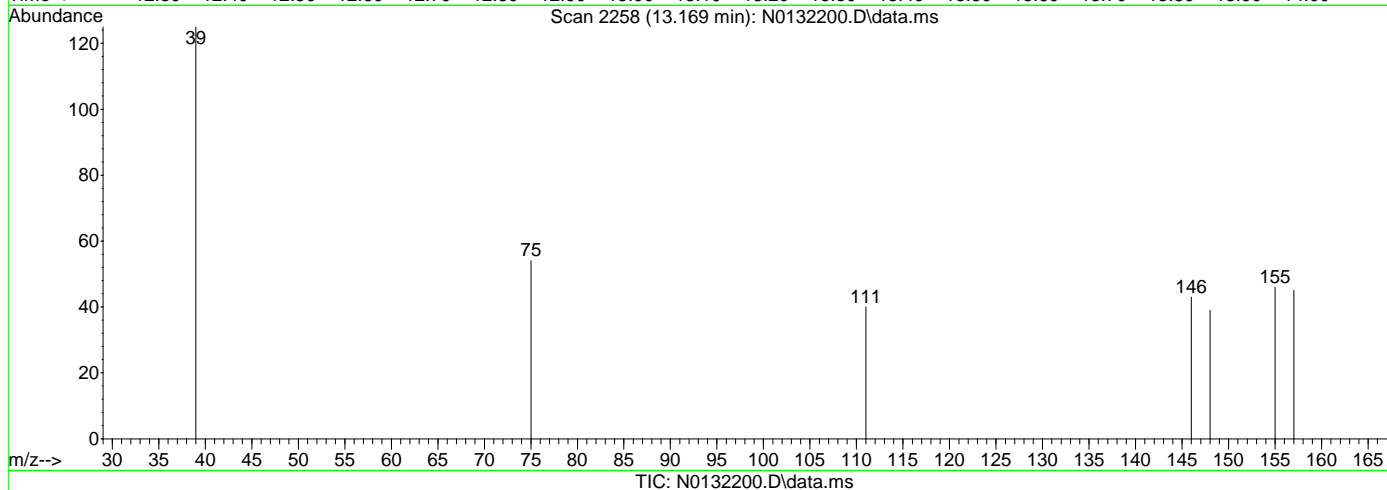
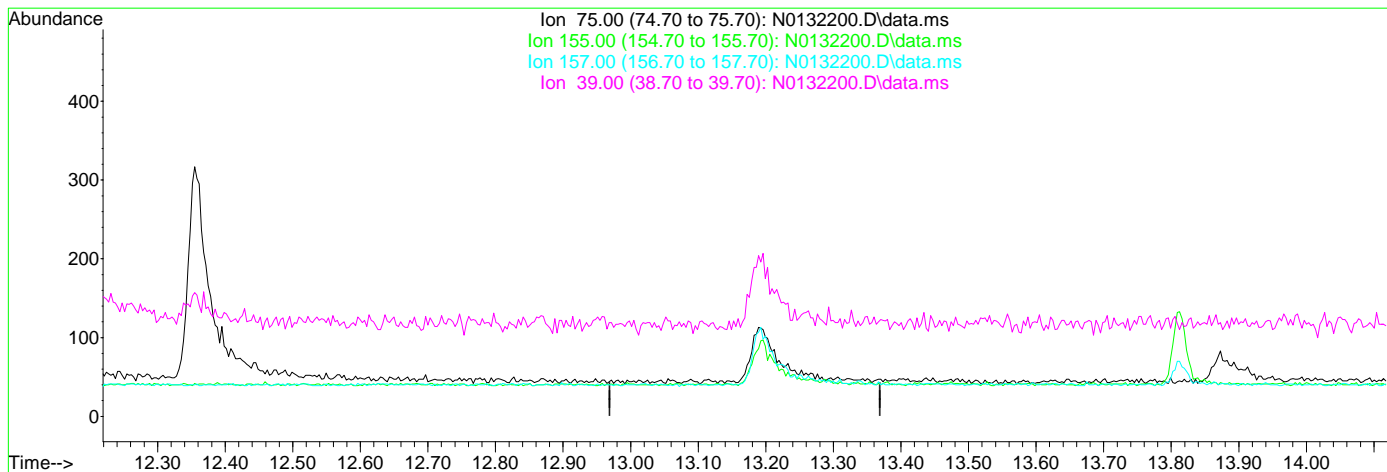


1.9.7

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\08-20-24\
 Data File : N0132200.D
 Acq On : 20 Aug 2024 10:17 am
 Operator : jeniferw
 Sample : IC6705-3
 Misc : MS57274,VN6705,,,,,
 ALS Vial : 4 Sample Multiplier: 1

Quant Time: Aug 20 10:44:20 2024
 Quant Method : C:\msdchem\1\methods\SIMCL_VN6705_082024.M
 Quant Title : Standard Methods 6200B
 QLast Update : Wed May 22 11:09:52 2024
 Response via : Initial Calibration



(23) 1,2-Dibromo-3-Chloropropane

13.169min (-13.169) 0.00ug/L

response 0

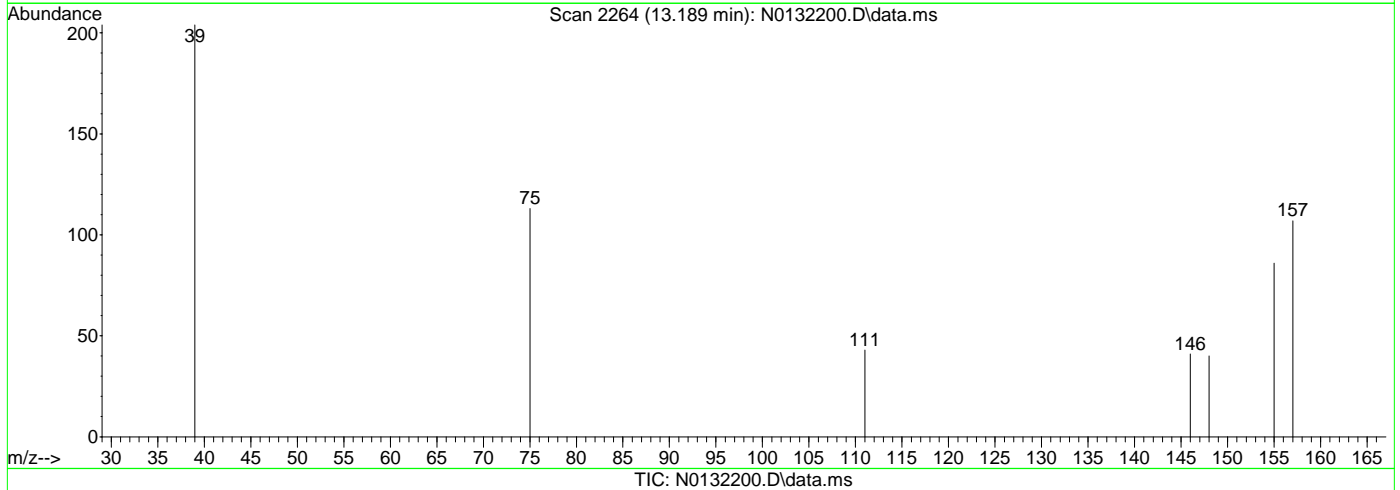
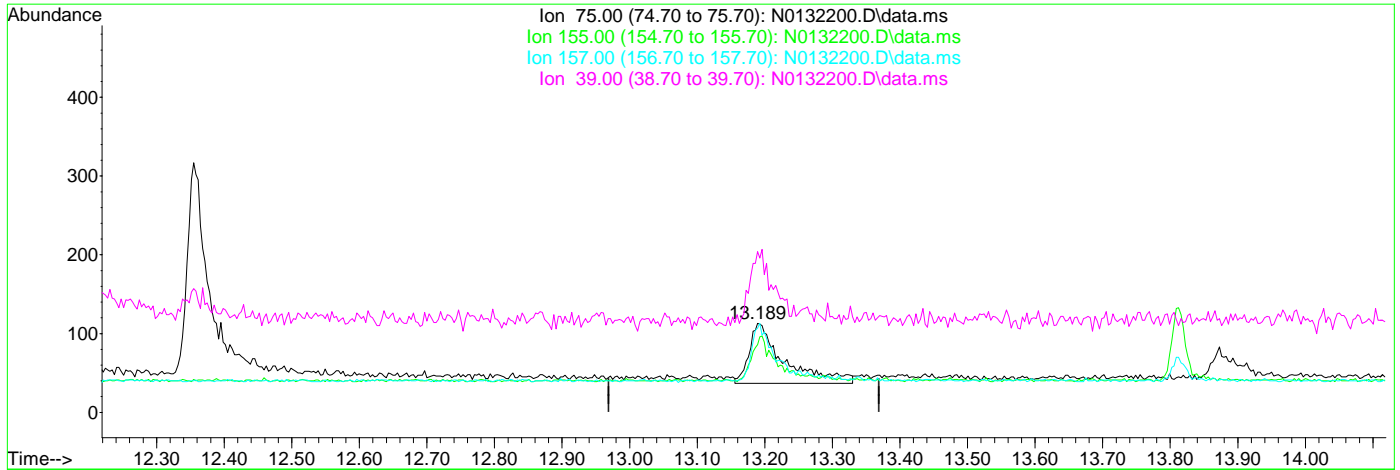
Ion	Exp%	Act%
75.00	100	0.00
155.00	95.00	0.00#
157.00	121.70	0.00#
39.00	85.30	0.00#

7.6.1.1
7

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\08-20-24\
 Data File : N0132200.D
 Acq On : 20 Aug 2024 10:17 am
 Operator : jeniferw
 Sample : IC6705-3
 Misc : MS57274,VN6705,,,,,
 ALS Vial : 4 Sample Multiplier: 1

Quant Time: Aug 20 10:44:20 2024
 Quant Method : C:\msdchem\1\methods\SIMCL_VN6705_082024.M
 Quant Title : Standard Methods 6200B
 QLast Update : Wed May 22 11:09:52 2024
 Response via : Initial Calibration



(23) 1,2-Dibromo-3-Chloropropane

13.189min (+0.020) 1.09ug/L m

response 271

Ion	Exp%	Act%
75.00	100	100
155.00	95.00	76.11
157.00	121.70	94.69
39.00	85.30	180.53#

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\08-20-24\
 Data File : N0132201.D
 Acq On : 20 Aug 2024 10:41 am
 Operator : jeniferw
 Sample : IC6705-4
 Misc : MS57318,VN6705,,,,,
 ALS Vial : 5 Sample Multiplier: 1

Quant Time: Aug 20 10:59:46 2024
 Quant Method : C:\msdchem\1\methods\SIMCL_VN6705_082024.M
 Quant Title : Standard Methods 6200B
 QLast Update : Wed May 22 11:09:52 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

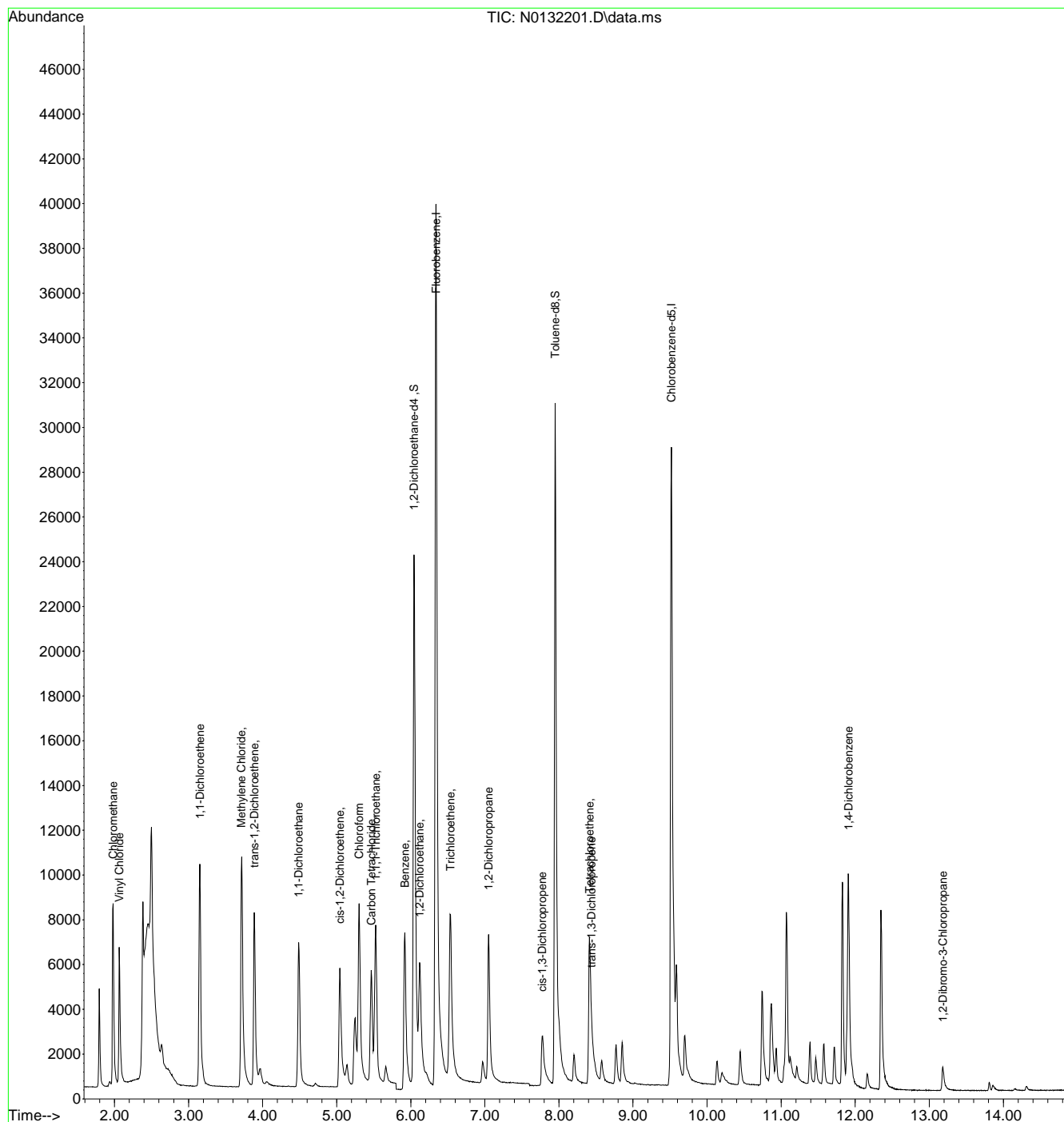
Internal Standards						
1) Fluorobenzene	6.341	96	50648	5.00	ug/L	0.00
18) Chlorobenzene-d5	9.519	117	35540	5.00	ug/L	0.00
System Monitoring Compounds						
13) 1,2-Dichloroethane-d4	6.045	65	22204	6.08	ug/L	0.00
Spiked Amount	5.000	Range 74 - 125	Recovery	=	121.60%	
19) Toluene-d8	7.951	98	35982	5.10	ug/L	0.00
Spiked Amount	5.000	Range 88 - 111	Recovery	=	102.00%	
Target Compounds						
						Qvalue
2) Vinyl Chloride	2.065	62	5841	3.98	ug/L	94
3) Chloromethane	1.982	50	8302	4.86	ug/L	99
4) 1,1-Dichloroethene	3.152	61	7294	3.75	ug/L	91
5) Methylene Chloride	3.712	49	10894	4.43	ug/L	75
6) trans-1,2-Dichloroethene	3.888	61	6014	3.40	ug/L	87
7) 1,1-Dichloroethane	4.487	63	8339	3.45	ug/L	95
8) cis-1,2-Dichloroethene	5.041	96	3496	2.54	ug/L #	77
9) Chloroform	5.303	83	8721	2.99	ug/L	94
10) Carbon Tetrachloride	5.466	117	3737	2.70	ug/L	97
11) 1,1,1-Trichloroethane	5.527	97	5256	2.49	ug/L	89
12) Benzene	5.919	78	13106	3.13	ug/L	90
14) 1,2-Dichloroethane	6.121	62	6527	3.34	ug/L	93
15) Trichloroethene	6.537	95	3617	2.59	ug/L	93
16) 1,2-Dichloropropane	7.053	63	4202	3.49	ug/L	92
17) cis-1,3-Dichloropropene	7.774	75	3251	2.81	ug/L	91
20) trans-1,3-Dichloropropene	8.440	75	3079	2.67	ug/L	89
21) Tetrachloroethene	8.413	166	3763	2.28	ug/L #	96
22) 1,4-Dichlorobenzene	11.909	146	8216	2.47	ug/L	88
23) 1,2-Dibromo-3-Chloropr...	13.183	75	654	2.26	ug/L #	70

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\08-20-24\
 Data File : N0132201.D
 Acq On : 20 Aug 2024 10:41 am
 Operator : jeniferw
 Sample : IC6705-4
 Misc : MS57318,VN6705,,,,,
 ALS Vial : 5 Sample Multiplier: 1

Quant Time: Aug 20 10:59:46 2024
 Quant Method : C:\msdchem\1\methods\SIMCL_VN6705_082024.M
 Quant Title : Standard Methods 6200B
 QLast Update : Wed May 22 11:09:52 2024
 Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\08-20-24\
 Data File : N0132202.D
 Acq On : 20 Aug 2024 11:04 am
 Operator : jeniferw
 Sample : ICC6705-5
 Misc : MS57318,VN6705,,,,,
 ALS Vial : 6 Sample Multiplier: 1

Quant Time: Aug 20 11:20:16 2024
 Quant Method : C:\msdchem\1\methods\SIMCL_VN6705_082024.M
 Quant Title : Standard Methods 6200B
 QLast Update : Wed May 22 11:09:52 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	

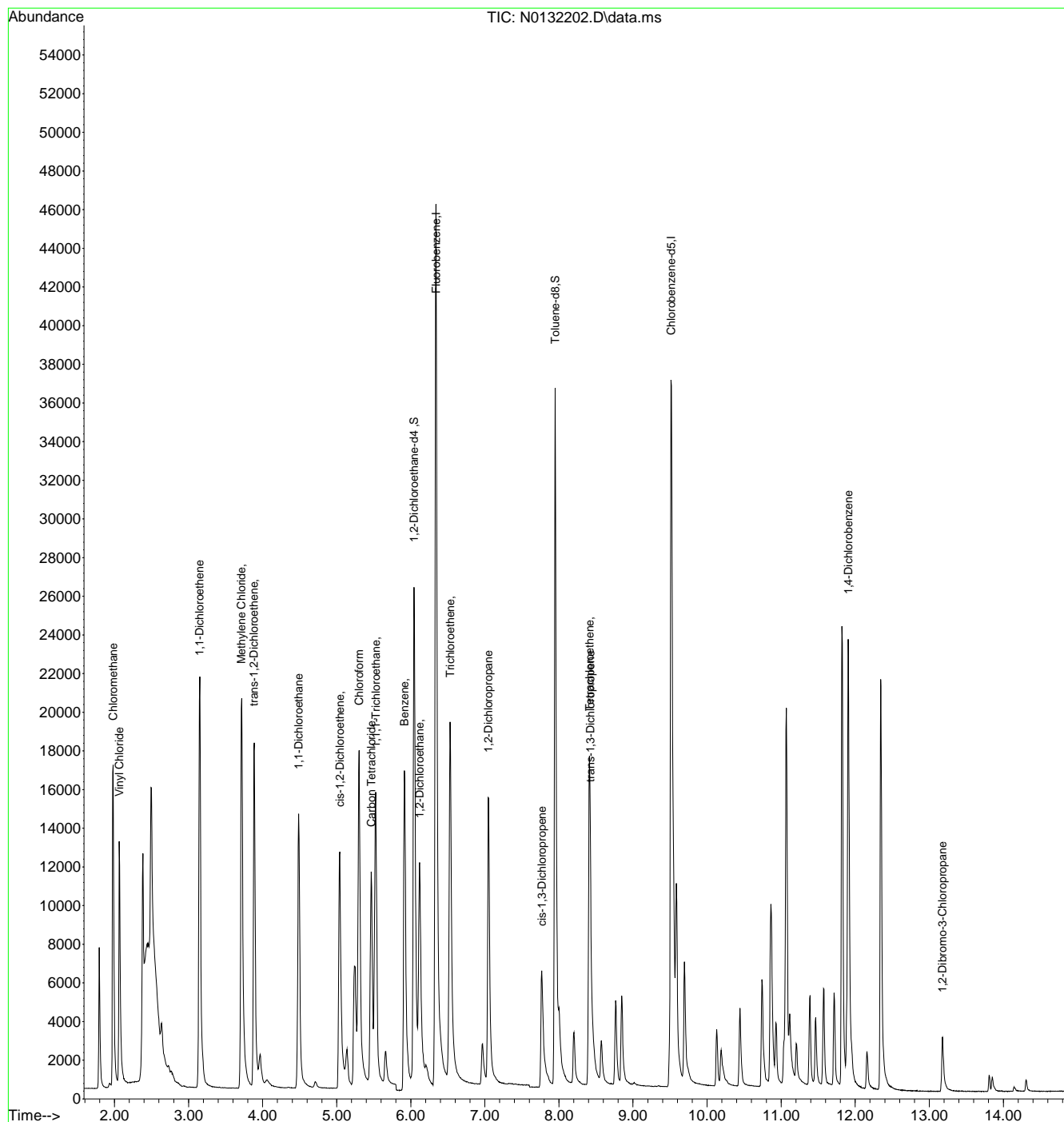
Internal Standards							
1) Fluorobenzene	6.341	96	57601	5.00	ug/L	0.00	
18) Chlorobenzene-d5	9.514	117	36791	5.00	ug/L	0.00	
System Monitoring Compounds							
13) 1,2-Dichloroethane-d4	6.045	65	24119	5.81	ug/L	0.00	
Spiked Amount	5.000	Range 74 - 125	Recovery	=	116.20%		
19) Toluene-d8	7.951	98	40760	5.58	ug/L	0.00	
Spiked Amount	5.000	Range 88 - 111	Recovery	=	111.60%#		
Target Compounds							
							Qvalue
2) Vinyl Chloride	2.065	62	12559	7.52	ug/L		94
3) Chloromethane	1.982	50	17210	8.86	ug/L		99
4) 1,1-Dichloroethene	3.147	61	15828	7.16	ug/L		85
5) Methylene Chloride	3.712	49	21315	7.62	ug/L		75
6) trans-1,2-Dichloroethene	3.883	61	13357	6.63	ug/L		82
7) 1,1-Dichloroethane	4.487	63	17936	6.52	ug/L		96
8) cis-1,2-Dichloroethene	5.042	96	7655	4.88	ug/L #		81
9) Chloroform	5.303	83	17762	5.35	ug/L		94
10) Carbon Tetrachloride	5.466	117	8068	5.13	ug/L		97
11) 1,1,1-Trichloroethane	5.527	97	11455	4.78	ug/L		92
12) Benzene	5.915	78	28737	6.04	ug/L		90
14) 1,2-Dichloroethane	6.121	62	14104	6.35	ug/L		93
15) Trichloroethene	6.531	95	8092	5.10	ug/L		88
16) 1,2-Dichloropropane	7.047	63	9164	6.70	ug/L		93
17) cis-1,3-Dichloropropene	7.769	75	7699	5.84	ug/L		91
20) trans-1,3-Dichloropropene	8.424	75	7735	6.47	ug/L		89
21) Tetrachloroethene	8.413	166	8026	4.71	ug/L #		98
22) 1,4-Dichlorobenzene	11.906	146	18712	5.44	ug/L		91
23) 1,2-Dibromo-3-Chloropr...	13.176	75	1582	5.29	ug/L #		72

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\08-20-24\
Data File : N0132202.D
Acq On : 20 Aug 2024 11:04 am
Operator : jeniferw
Sample : ICC6705-5
Misc : MS57318,VN6705,,,,,
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Aug 20 11:20:16 2024
Quant Method : C:\msdchem\1\methods\SIMCL_VN6705_082024.M
Quant Title : Standard Methods 6200B
QLast Update : Wed May 22 11:09:52 2024
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\08-20-24\
 Data File : N0132203.D
 Acq On : 20 Aug 2024 11:28 am
 Operator : jeniferw
 Sample : IC6705-6
 Misc : MS57318,VN6705,,,,,
 ALS Vial : 7 Sample Multiplier: 1

Quant Time: Aug 20 11:51:08 2024
 Quant Method : C:\msdchem\1\methods\SIMCL_VN6705_082024.M
 Quant Title : Standard Methods 6200B
 QLast Update : Wed May 22 11:09:52 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	

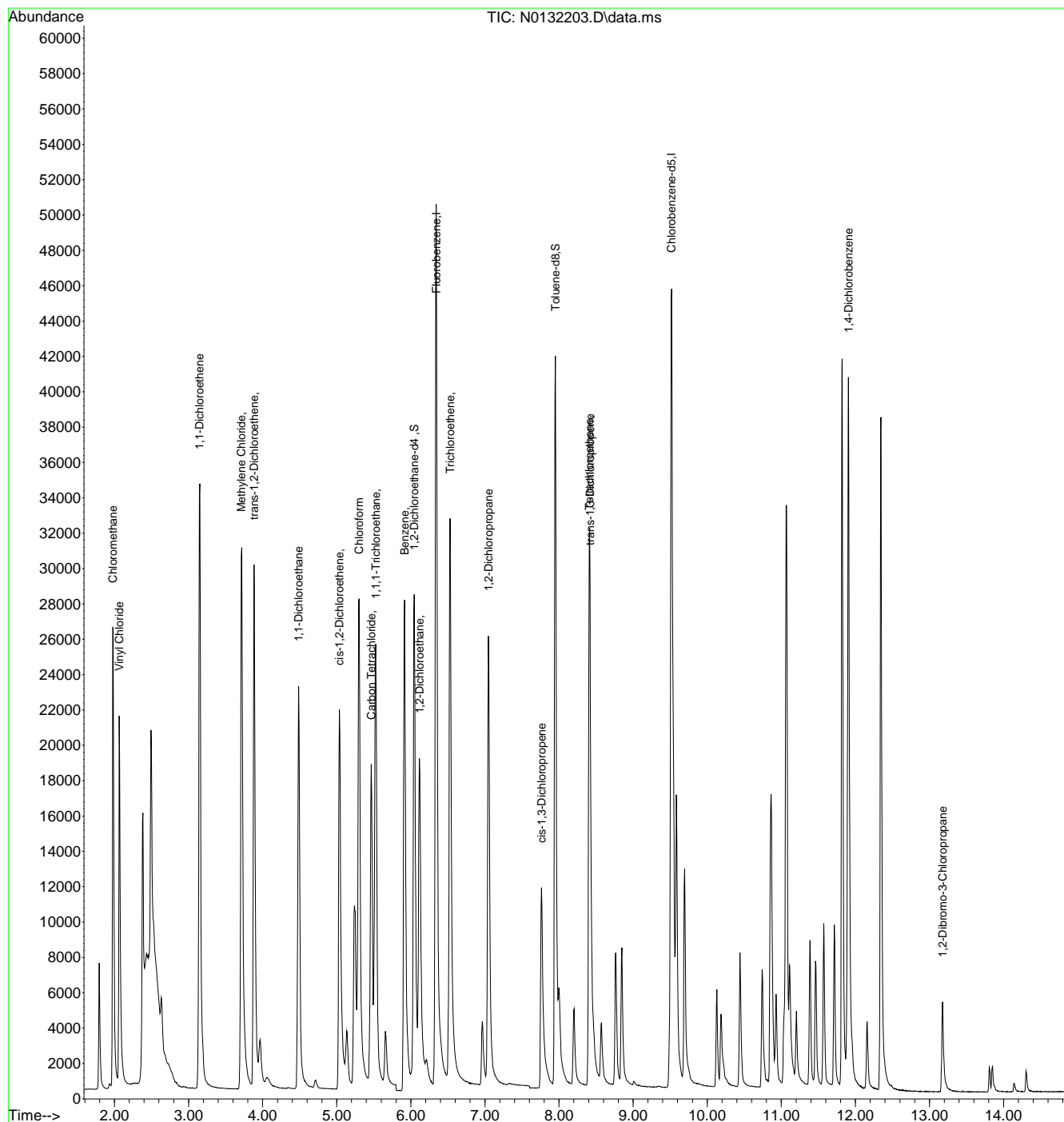
Internal Standards							
1) Fluorobenzene	6.341	96	62820	5.00	ug/L	0.00	
18) Chlorobenzene-d5	9.514	117	41500	5.00	ug/L	0.00	
System Monitoring Compounds							
13) 1,2-Dichloroethane-d4	6.045	65	26036	5.75	ug/L	0.00	
Spiked Amount	5.000	Range 74 - 125	Recovery	=	115.00%		
19) Toluene-d8	7.951	98	45907	5.57	ug/L	0.00	
Spiked Amount	5.000	Range 88 - 111	Recovery	=	111.40%#		
Target Compounds							
							Qvalue
2) Vinyl Chloride	2.065	62	20844	11.45	ug/L		94
3) Chloromethane	1.977	50	27127	12.80	ug/L		99
4) 1,1-Dichloroethene	3.147	61	25712	10.66	ug/L		86
5) Methylene Chloride	3.712	49	32479	10.65	ug/L		76
6) trans-1,2-Dichloroethene	3.883	61	21918	9.98	ug/L		84
7) 1,1-Dichloroethane	4.487	63	28686	9.56	ug/L		98
8) cis-1,2-Dichloroethene	5.036	96	12700	7.43	ug/L #		75
9) Chloroform	5.303	83	28040	7.75	ug/L		96
10) Carbon Tetrachloride	5.466	117	13283	7.75	ug/L		96
11) 1,1,1-Trichloroethane	5.527	97	18815	7.20	ug/L		91
12) Benzene	5.915	78	46884	9.04	ug/L		92
14) 1,2-Dichloroethane	6.116	62	22194	9.17	ug/L		93
15) Trichloroethene	6.531	95	13449	7.77	ug/L		90
16) 1,2-Dichloropropane	7.047	63	14788	9.92	ug/L		93
17) cis-1,3-Dichloropropene	7.764	75	13326	9.28	ug/L		90
20) trans-1,3-Dichloropropene	8.418	75	13780	10.23	ug/L		89
21) Tetrachloroethene	8.407	166	13210	6.87	ug/L #		98
22) 1,4-Dichlorobenzene	11.906	146	30877	7.96	ug/L		93
23) 1,2-Dibromo-3-Chloropr...	13.176	75	2628	7.79	ug/L		77

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\08-20-24\
Data File : N0132203.D
Acq On : 20 Aug 2024 11:28 am
Operator : jeniferw
Sample : IC6705-6
Misc : MS57318,VN6705,,,,,
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Aug 20 11:51:08 2024
Quant Method : C:\msdchem\1\methods\SIMCL_VN6705_082024.M
Quant Title : Standard Methods 6200B
QLast Update : Wed May 22 11:09:52 2024
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\08-20-24\
 Data File : N0132204.D
 Acq On : 20 Aug 2024 11:51 am
 Operator : jeniferw
 Sample : IC6705-7
 Misc : MS57318,VN6705,,,,,
 ALS Vial : 8 Sample Multiplier: 1

Quant Time: Aug 20 12:07:12 2024
 Quant Method : C:\msdchem\1\methods\SIMCL_VN6705_082024.M
 Quant Title : Standard Methods 6200B
 QLast Update : Tue Aug 20 11:59:16 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	

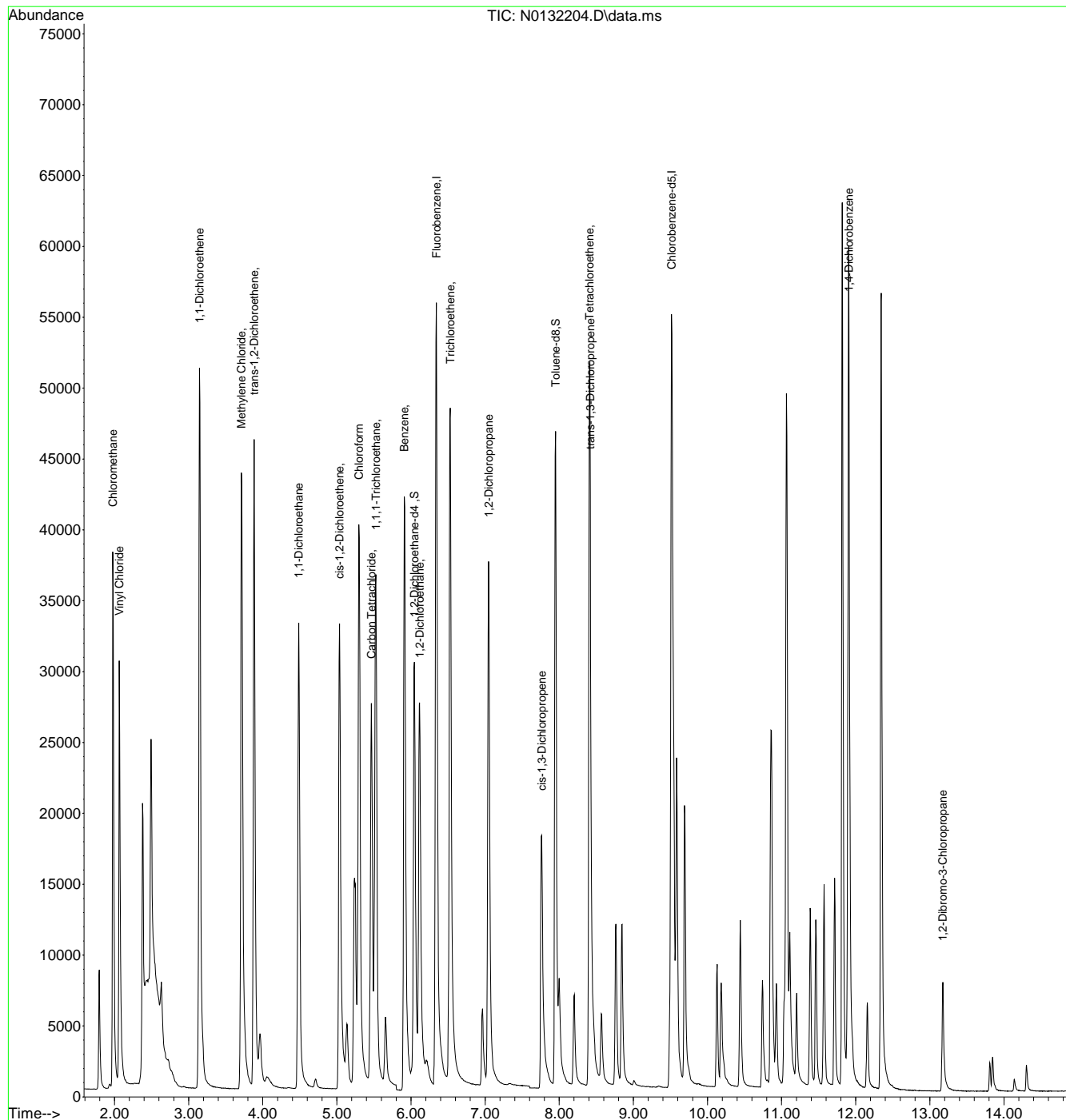
Internal Standards							
1) Fluorobenzene	6.341	96	69391	5.00	ug/L	0.00	
18) Chlorobenzene-d5	9.514	117	46307	5.00	ug/L	0.00	
System Monitoring Compounds							
13) 1,2-Dichloroethane-d4	6.045	65	27853	4.48	ug/L	0.00	
Spiked Amount	5.000	Range 74 - 125	Recovery	=	89.60%		
19) Toluene-d8	7.951	98	50729	4.98	ug/L	0.00	
Spiked Amount	5.000	Range 88 - 111	Recovery	=	99.60%		
Target Compounds							
							Qvalue
2) Vinyl Chloride	2.065	62	29031	14.67	ug/L		99
3) Chloromethane	1.977	50	37619	13.89	ug/L		97
4) 1,1-Dichloroethene	3.147	61	37603	17.34	ug/L		96
5) Methylene Chloride	3.712	49	45706	15.45	ug/L		96
6) trans-1,2-Dichloroethene	3.883	61	32274	17.55	ug/L		96
7) 1,1-Dichloroethane	4.487	63	41444	16.53	ug/L		98
8) cis-1,2-Dichloroethene	5.036	96	18767	17.98	ug/L		98
9) Chloroform	5.296	83	40115	13.76	ug/L		96
10) Carbon Tetrachloride	5.466	117	19636	18.02	ug/L		99
11) 1,1,1-Trichloroethane	5.527	97	27467	17.28	ug/L		99
12) Benzene	5.910	78	69333	17.40	ug/L		100
14) 1,2-Dichloroethane	6.116	62	31799	17.96	ug/L		99
15) Trichloroethene	6.531	95	19716	17.66	ug/L		96
16) 1,2-Dichloropropane	7.047	63	21581	18.03	ug/L		99
17) cis-1,3-Dichloropropene	7.763	75	20502	22.35	ug/L		99
20) trans-1,3-Dichloropropene	8.418	75	21425	26.00	ug/L		97
21) Tetrachloroethene	8.407	166	19204	16.95	ug/L #		97
22) 1,4-Dichlorobenzene	11.906	146	44673	18.33	ug/L		96
23) 1,2-Dibromo-3-Chloropr...	13.172	75	3812	18.20	ug/L		96

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\08-20-24\
 Data File : N0132204.D
 Acq On : 20 Aug 2024 11:51 am
 Operator : jeniferw
 Sample : IC6705-7
 Misc : MS57318,VN6705,,,,,
 ALS Vial : 8 Sample Multiplier: 1

Quant Time: Aug 20 12:07:12 2024
 Quant Method : C:\msdchem\1\methods\SIMCL_VN6705_082024.M
 Quant Title : Standard Methods 6200B
 QLast Update : Tue Aug 20 11:59:16 2024
 Response via : Initial Calibration



7.6.5
7

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\08-20-24\
 Data File : N0132207.D
 Acq On : 20 Aug 2024 1:05 pm
 Operator : jeniferw
 Sample : IC6705-1
 Misc : MS57318,VN6705,,,,,
 ALS Vial : 11 Sample Multiplier: 1

Quant Time: Aug 20 13:21:18 2024
 Quant Method : C:\msdchem\1\methods\SIMCL_VN6705_082024.M
 Quant Title : Standard Methods 6200B
 QLast Update : Tue Aug 20 12:28:26 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	

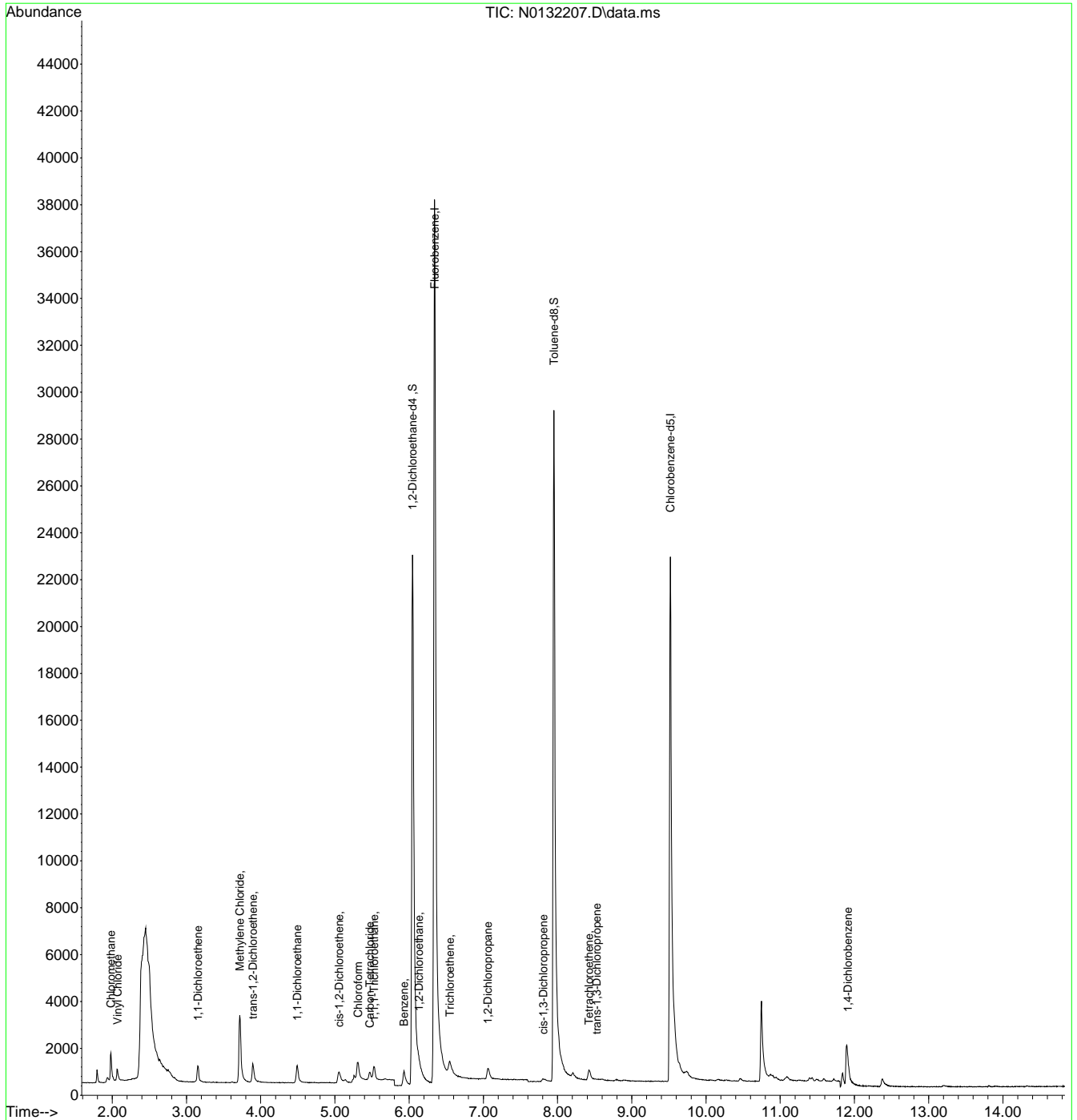
Internal Standards							
1) Fluorobenzene	6.341	96	49779	5.00	ug/L	0.00	
18) Chlorobenzene-d5	9.519	117	31002	5.00	ug/L	0.00	
System Monitoring Compounds							
13) 1,2-Dichloroethane-d4	6.045	65	21712	4.94	ug/L	0.00	
Spiked Amount	5.000	Range 74 - 125	Recovery	=	98.80%		
19) Toluene-d8	7.951	98	36102	5.30	ug/L	0.00	
Spiked Amount	5.000	Range 88 - 111	Recovery	=	106.00%		
Target Compounds							
							Qvalue
2) Vinyl Chloride	2.070	62	522	0.38	ug/L		95
3) Chloromethane	1.982	50	1298	0.70	ug/L		97
4) 1,1-Dichloroethene	3.152	61	535	0.38	ug/L		94
5) Methylene Chloride	3.718	49	3088	1.52	ug/L		93
6) trans-1,2-Dichloroethene	3.894	61	698	0.54	ug/L		95
7) 1,1-Dichloroethane	4.492	63	957	0.55	ug/L		91
8) cis-1,2-Dichloroethene	5.058	96	335	0.45	ug/L		95
9) Chloroform	5.310	83	1449	0.73	ug/L		94
10) Carbon Tetrachloride	5.473	117	253	0.33	ug/L		94
11) 1,1,1-Trichloroethane	5.527	97	441	0.40	ug/L		91
12) Benzene	5.931	78	1563	0.56	ug/L		97
14) 1,2-Dichloroethane	6.129	62	319	0.25	ug/L		80
15) Trichloroethene	6.549	95	410	0.52	ug/L		96
16) 1,2-Dichloropropane	7.058	63	373	0.44	ug/L		88
17) cis-1,3-Dichloropropene	7.807	75	217	0.32	ug/L		73
20) trans-1,3-Dichloropropene	8.528	75	94	0.16	ug/L		74
21) Tetrachloroethene	8.424	166	328	0.44	ug/L #		91
22) 1,4-Dichlorobenzene	11.913	146	897	0.56	ug/L #		26

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\08-20-24\
 Data File : N0132207.D
 Acq On : 20 Aug 2024 1:05 pm
 Operator : jeniferw
 Sample : IC6705-1
 Misc : MS57318,VN6705,,,,,
 ALS Vial : 11 Sample Multiplier: 1

Quant Time: Aug 20 13:21:18 2024
 Quant Method : C:\msdchem\1\methods\SIMCL_VN6705_082024.M
 Quant Title : Standard Methods 6200B
 QLast Update : Tue Aug 20 12:28:26 2024
 Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\08-20-24\
 Data File : N0132208.D
 Acq On : 20 Aug 2024 1:28 pm
 Operator : jeniferw
 Sample : IC6705-2
 Misc : MS57318,VN6705,,,,,
 ALS Vial : 12 Sample Multiplier: 1

Quant Time: Aug 20 13:44:15 2024
 Quant Method : C:\msdchem\1\methods\SIMCL_VN6705_082024.M
 Quant Title : Standard Methods 6200B
 QLast Update : Tue Aug 20 13:23:25 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	Qvalue

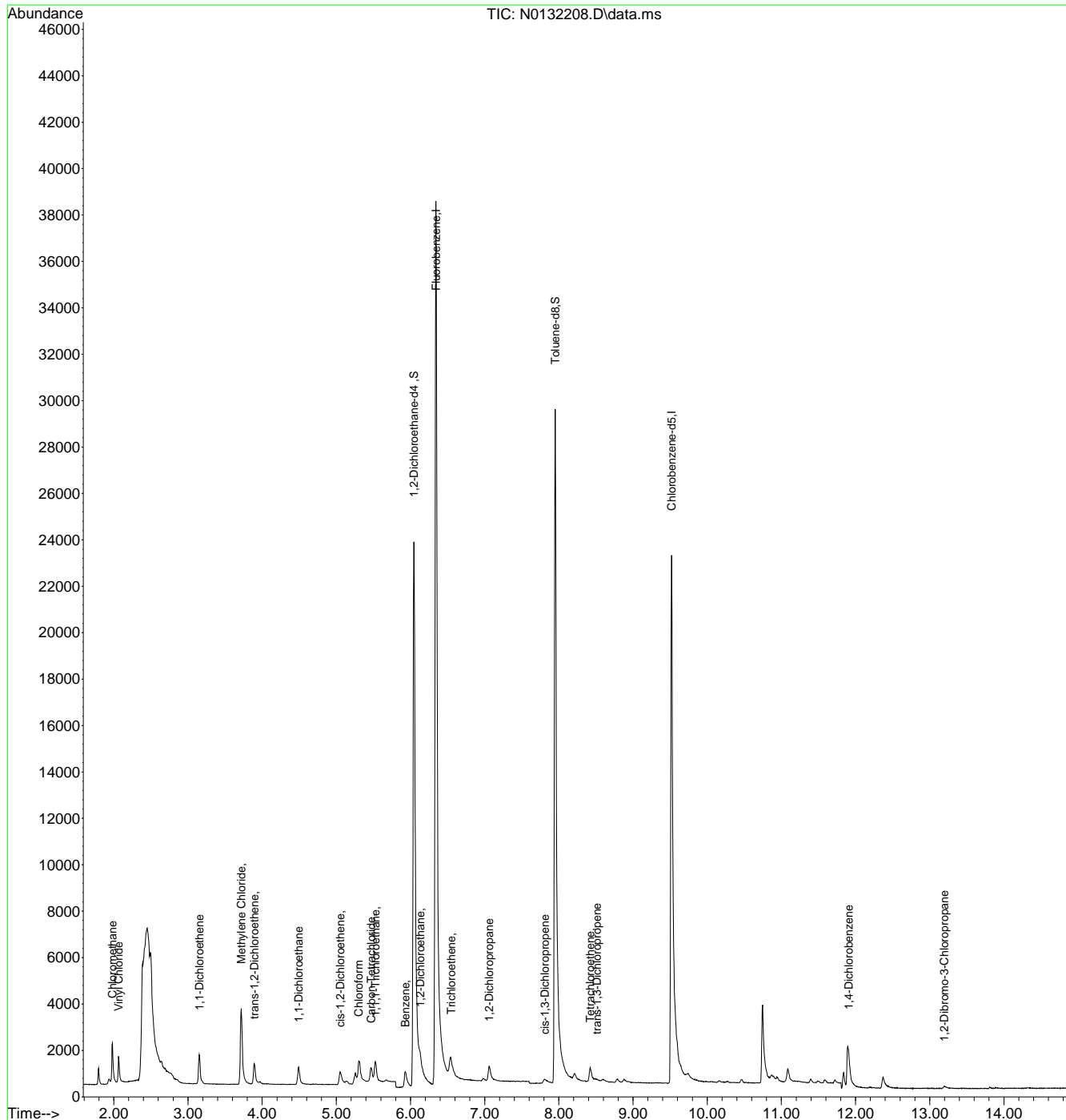
Internal Standards							
1) Fluorobenzene	6.341	96	50625	5.00	ug/L	0.00	
18) Chlorobenzene-d5	9.519	117	31825	5.00	ug/L	0.00	
System Monitoring Compounds							
13) 1,2-Dichloroethane-d4	6.045	65	22163	5.02	ug/L	0.00	
Spiked Amount	5.000	Range 74 - 125	Recovery	=	100.40%		
19) Toluene-d8	7.950	98	36684	5.24	ug/L	0.00	
Spiked Amount	5.000	Range 88 - 111	Recovery	=	104.80%		
Target Compounds							
2) Vinyl Chloride	2.065	62	1030	0.92	ug/L	99	
3) Chloromethane	1.982	50	1890	1.01	ug/L	99	
4) 1,1-Dichloroethene	3.152	61	929	0.60	ug/L	88	
5) Methylene Chloride	3.718	49	3350	1.63	ug/L	88	
6) trans-1,2-Dichloroethene	3.894	61	770	0.59	ug/L	95	
7) 1,1-Dichloroethane	4.492	63	1009	0.57	ug/L	96	
8) cis-1,2-Dichloroethene	5.052	96	467	0.62	ug/L	94	
9) Chloroform	5.303	83	1576	0.78	ug/L	93	
10) Carbon Tetrachloride	5.473	117	471	0.60	ug/L	97	
11) 1,1,1-Trichloroethane	5.527	97	672	0.59	ug/L	94	
12) Benzene	5.931	78	1712	0.60	ug/L	96	
14) 1,2-Dichloroethane	6.129	62	723	0.56	ug/L	98	
15) Trichloroethene	6.548	95	489	0.61	ug/L	93	
16) 1,2-Dichloropropane	7.058	63	526	0.61	ug/L	92	
17) cis-1,3-Dichloropropene	7.813	75	347	0.51	ug/L	78	
20) trans-1,3-Dichloropropene	8.512	75	218	0.37	ug/L #	59	
21) Tetrachloroethene	8.424	166	449	0.59	ug/L #	96	
22) 1,4-Dichlorobenzene	11.909	146	1037	0.63	ug/L #	32	
23) 1,2-Dibromo-3-Chloropr...	13.196	75	123m	0.87	ug/L		

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\08-20-24\
 Data File : N0132208.D
 Acq On : 20 Aug 2024 1:28 pm
 Operator : jeniferw
 Sample : IC6705-2
 Misc : MS57318,VN6705,,,,,
 ALS Vial : 12 Sample Multiplier: 1

Quant Time: Aug 20 13:44:15 2024
 Quant Method : C:\msdchem\1\methods\SIMCL_VN6705_082024.M
 Quant Title : Standard Methods 6200B
 QLast Update : Tue Aug 20 13:23:25 2024
 Response via : Initial Calibration



7.6.7

Manual Integration Approval Summary

Sample Number: VN6705-IC6705 **Method:** SW846 8260D BY SIM
Lab FileID: N0132208.D **Analyst approved:** 08/20/24 14:18 Jenifer Willis
Injection Time: 08/20/24 13:28 **Supervisor approved:** 08/20/24 14:44 Karen Watson

Parameter	CAS	Sig#	R.T. (min.)	Reason
1,2-Dibromo-3-chloropropane	96-12-8		13.20	Missed peak

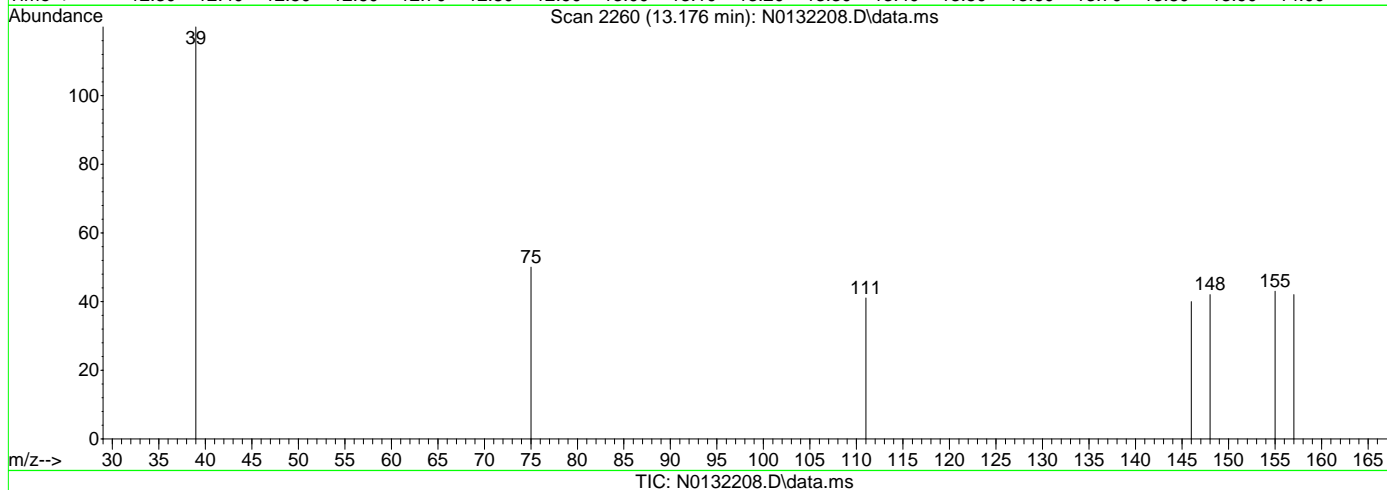
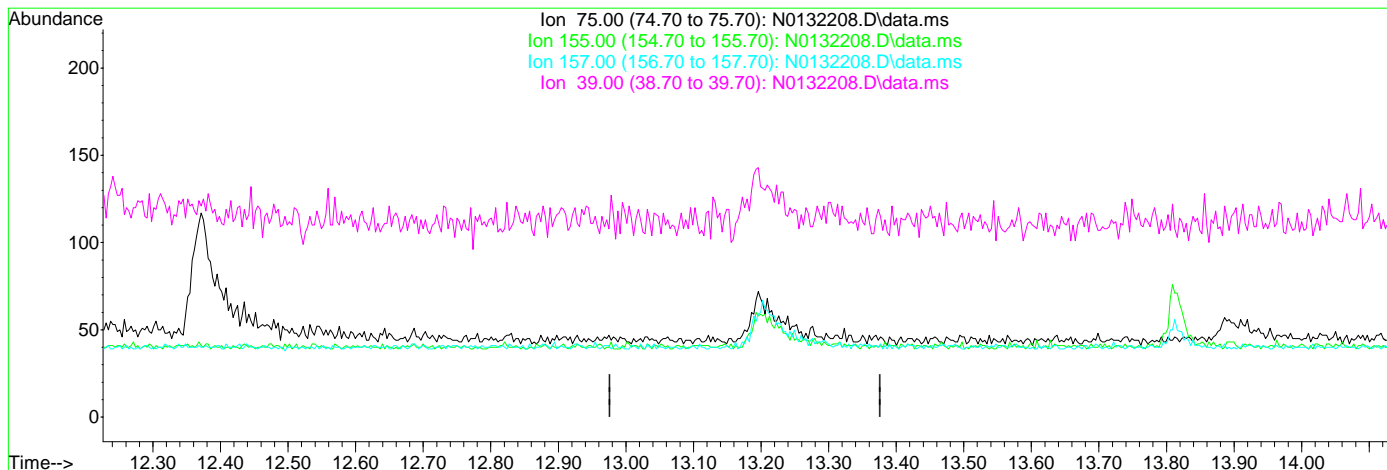
7.6.7.1

7

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\08-20-24\
 Data File : N0132208.D
 Acq On : 20 Aug 2024 1:28 pm
 Operator : jeniferw
 Sample : IC6705-2
 Misc : MS57274,VN6705,,,,,
 ALS Vial : 12 Sample Multiplier: 1

Quant Time: Aug 20 13:44:05 2024
 Quant Method : C:\msdchem\1\methods\SIMCL_VN6705_082024.M
 Quant Title : Standard Methods 6200B
 QLast Update : Tue Aug 20 13:23:25 2024
 Response via : Initial Calibration



(23) 1,2-Dibromo-3-Chloropropane

13.176min (-13.176) 0.00ug/L

response 0

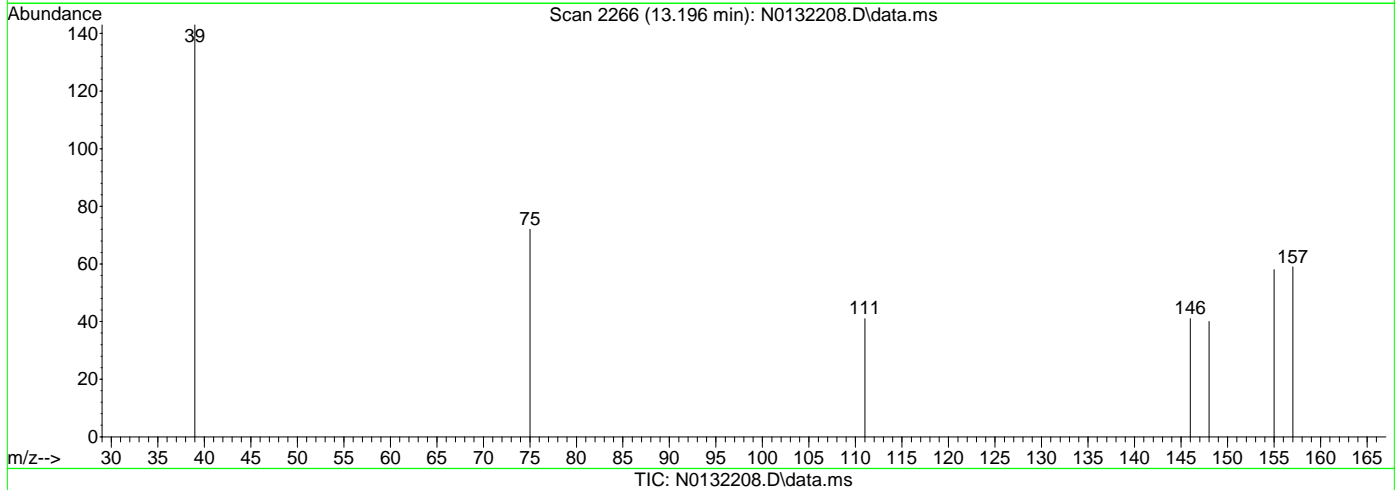
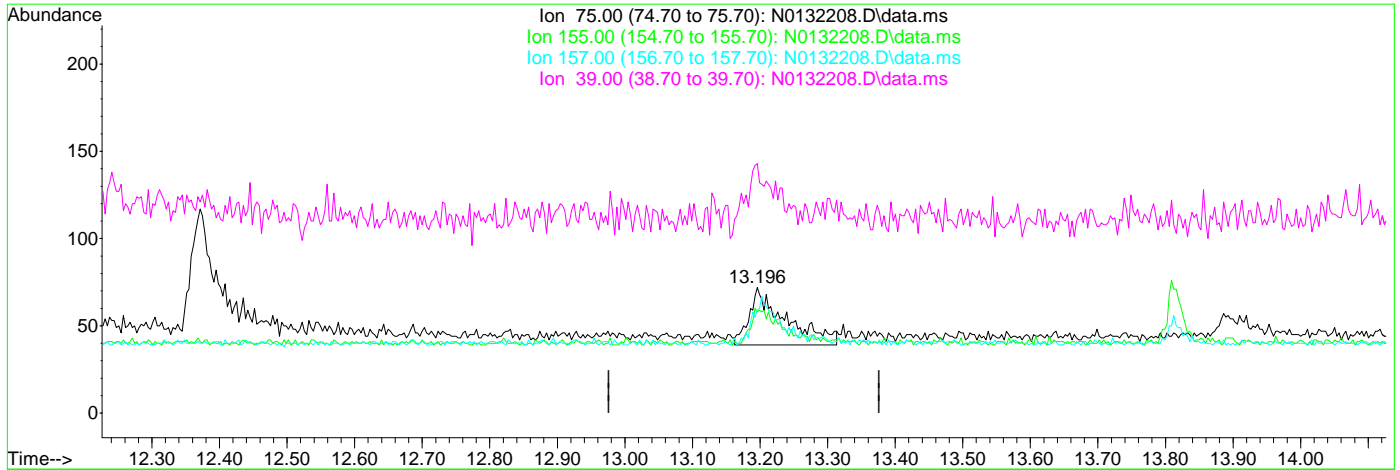
Ion	Exp%	Act%
75.00	100	0.00
155.00	72.00	0.00#
157.00	87.40	0.00#
39.00	113.50	0.00#

7.6.7.2
7

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\08-20-24\
 Data File : N0132208.D
 Acq On : 20 Aug 2024 1:28 pm
 Operator : jeniferw
 Sample : IC6705-2
 Misc : MS57274,VN6705,,,,,
 ALS Vial : 12 Sample Multiplier: 1

Quant Time: Aug 20 13:44:05 2024
 Quant Method : C:\msdchem\1\methods\SIMCL_VN6705_082024.M
 Quant Title : Standard Methods 6200B
 QLast Update : Tue Aug 20 13:23:25 2024
 Response via : Initial Calibration



(23) 1,2-Dibromo-3-Chloropropane

13.196min (+0.020) 0.87ug/L m

response 123

Ion	Exp%	Act%
75.00	100	100
155.00	72.00	80.56
157.00	87.40	81.94
39.00	113.50	198.61#

7.6.7.3
7

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\08-20-24\
 Data File : N0132209.D
 Acq On : 20 Aug 2024 1:52 pm
 Operator : jeniferw
 Sample : ICV6705-5
 Misc : MS57318,VN6705,,,,,
 ALS Vial : 13 Sample Multiplier: 1

Quant Time: Aug 20 14:07:51 2024
 Quant Method : C:\msdchem\1\methods\SIMCL_VN6705_082024.M
 Quant Title : Standard Methods 6200B
 QLast Update : Tue Aug 20 14:01:28 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	

Internal Standards							
1) Fluorobenzene	6.341	96	60876	5.00	ug/L	0.00	
18) Chlorobenzene-d5	9.519	117	38477	5.00	ug/L	0.00	
System Monitoring Compounds							
13) 1,2-Dichloroethane-d4	6.045	65	24856	4.75	ug/L	0.00	
Spiked Amount	5.000	Range 74 - 125	Recovery	=	95.00%		
19) Toluene-d8	7.950	98	44023	5.18	ug/L	0.00	
Spiked Amount	5.000	Range 88 - 111	Recovery	=	103.60%		
Target Compounds							
							Qvalue
2) Vinyl Chloride	2.065	62	11230	8.34	ug/L		100
3) Chloromethane	1.977	50	14558	8.09	ug/L		99
4) 1,1-Dichloroethene	3.147	61	18570	10.37	ug/L		99
5) Methylene Chloride	3.712	49	25489	10.75	ug/L		99
6) trans-1,2-Dichloroethene	3.883	61	16100	10.77	ug/L		99
7) 1,1-Dichloroethane	4.487	63	21110	10.51	ug/L		100
8) cis-1,2-Dichloroethene	5.041	96	9214	10.51	ug/L		96
9) Chloroform	5.303	83	21095	10.63	ug/L		99
10) Carbon Tetrachloride	5.466	117	9791	10.75	ug/L		97
11) 1,1,1-Trichloroethane	5.527	97	14177	10.94	ug/L		100
12) Benzene	5.915	78	34837	10.71	ug/L		99
14) 1,2-Dichloroethane	6.120	62	16914	11.01	ug/L		98
15) Trichloroethene	6.531	95	10005	10.93	ug/L		99
16) 1,2-Dichloropropane	7.046	63	11103	10.82	ug/L		99
17) cis-1,3-Dichloropropene	7.769	75	9207	11.33	ug/L		99
20) trans-1,3-Dichloropropene	8.424	75	8519	10.99	ug/L		97
21) Tetrachloroethene	8.407	166	10078	11.63	ug/L #		97
22) 1,4-Dichlorobenzene	11.906	146	22317	11.35	ug/L		99
23) 1,2-Dibromo-3-Chloropr...	13.179	75	1753	10.88	ug/L		98

(#) = qualifier out of range (m) = manual integration (+) = signals summed

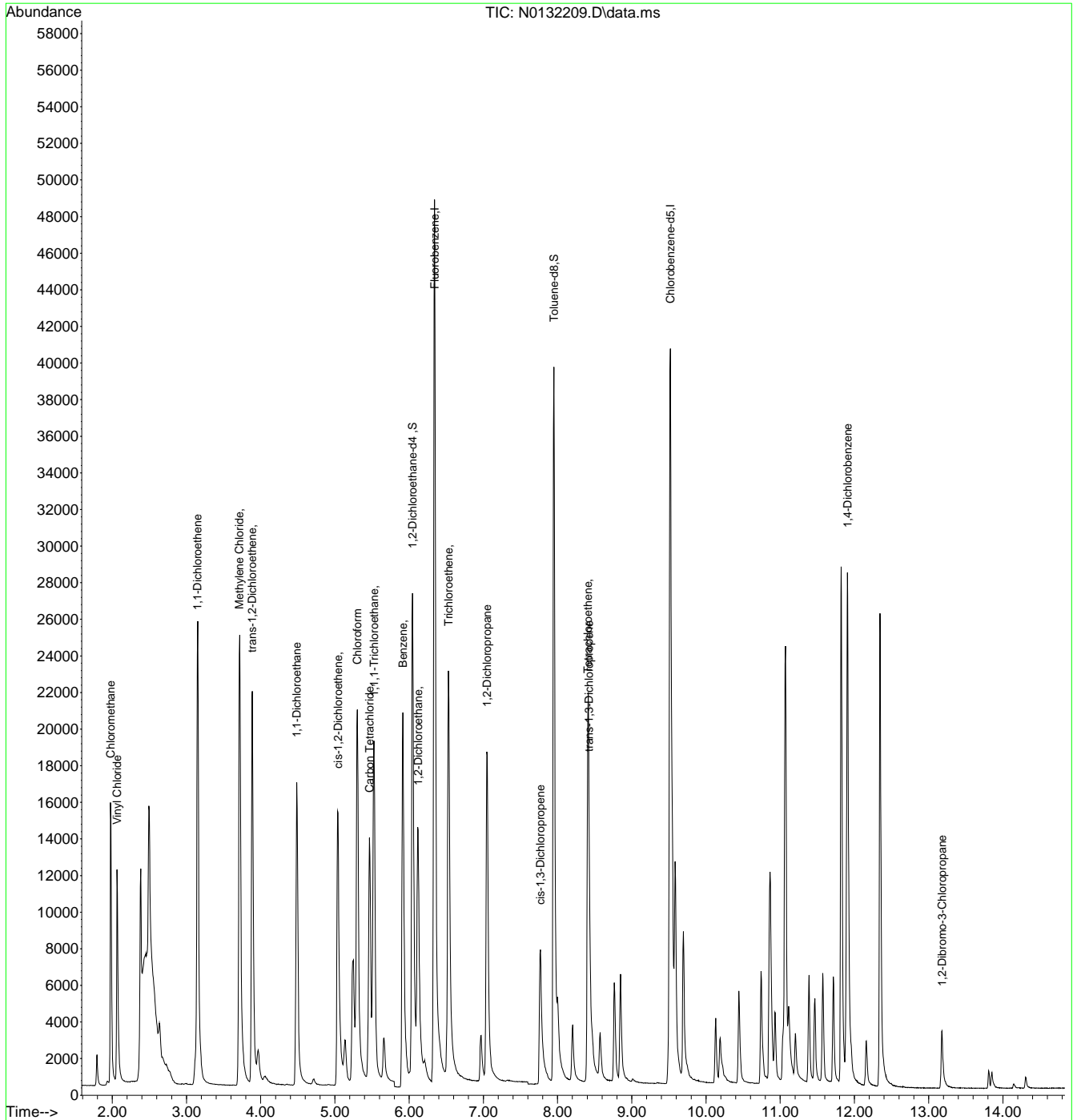
7.6.8
7



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\08-20-24\
 Data File : N0132209.D
 Acq On : 20 Aug 2024 1:52 pm
 Operator : jeniferw
 Sample : ICV6705-5
 Misc : MS57318,VN6705,,,,,
 ALS Vial : 13 Sample Multiplier: 1

Quant Time: Aug 20 14:07:51 2024
 Quant Method : C:\msdchem\1\methods\SIMCL_VN6705_082024.M
 Quant Title : Standard Methods 6200B
 QLast Update : Tue Aug 20 14:01:28 2024
 Response via : Initial Calibration



8'9'7

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\08-27-24\
 Data File : N0132280.D
 Acq On : 27 Aug 2024 6:54 am
 Operator : jeniferw
 Sample : CC6705-5
 Misc : MS57355,VN6709,,,,,
 ALS Vial : 2 Sample Multiplier: 1

Quant Time: Aug 27 07:15:19 2024
 Quant Method : C:\msdchem\1\methods\SIMCL_VN6705_082024.M
 Quant Title : Standard Methods 6200B
 QLast Update : Tue Aug 20 14:01:28 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	

Internal Standards							
1) Fluorobenzene	6.341	96	56306	5.00	ug/L	0.00	
18) Chlorobenzene-d5	9.514	117	37115	5.00	ug/L	0.00	
System Monitoring Compounds							
13) 1,2-Dichloroethane-d4	6.045	65	23278	4.81	ug/L	0.00	
Spiked Amount	5.000	Range 74 - 125	Recovery	=	96.20%		
19) Toluene-d8	7.945	98	41614	5.08	ug/L	0.00	
Spiked Amount	5.000	Range 88 - 111	Recovery	=	101.60%		
Target Compounds							
							Qvalue
2) Vinyl Chloride	2.065	62	16848	13.52	ug/L		99
3) Chloromethane	1.982	50	21557	12.96	ug/L		99
4) 1,1-Dichloroethene	3.152	61	17811	10.75	ug/L		91
5) Methylene Chloride	3.712	49	25251	11.75	ug/L		98
6) trans-1,2-Dichloroethene	3.883	61	15789	11.42	ug/L		98
7) 1,1-Dichloroethane	4.487	63	21006	11.31	ug/L		100
8) cis-1,2-Dichloroethene	5.036	96	9376	11.56	ug/L		97
9) Chloroform	5.303	83	20401	11.21	ug/L		98
10) Carbon Tetrachloride	5.466	117	8282	9.83	ug/L		98
11) 1,1,1-Trichloroethane	5.527	97	12735	10.63	ug/L		99
12) Benzene	5.915	78	34400	11.44	ug/L		96
14) 1,2-Dichloroethane	6.116	62	15895	11.19	ug/L		98
15) Trichloroethene	6.531	95	9602	11.34	ug/L		97
16) 1,2-Dichloropropane	7.047	63	10698	11.27	ug/L		99
17) cis-1,3-Dichloropropene	7.763	75	9195	12.24	ug/L		98
20) trans-1,3-Dichloropropene	8.418	75	9284	12.14	ug/L		96
21) Tetrachloroethene	8.407	166	9681	11.58	ug/L #		98
22) 1,4-Dichlorobenzene	11.906	146	20650	10.88	ug/L		97
23) 1,2-Dibromo-3-Chloropr...	13.176	75	1178	7.58	ug/L		96

(#) = qualifier out of range (m) = manual integration (+) = signals summed

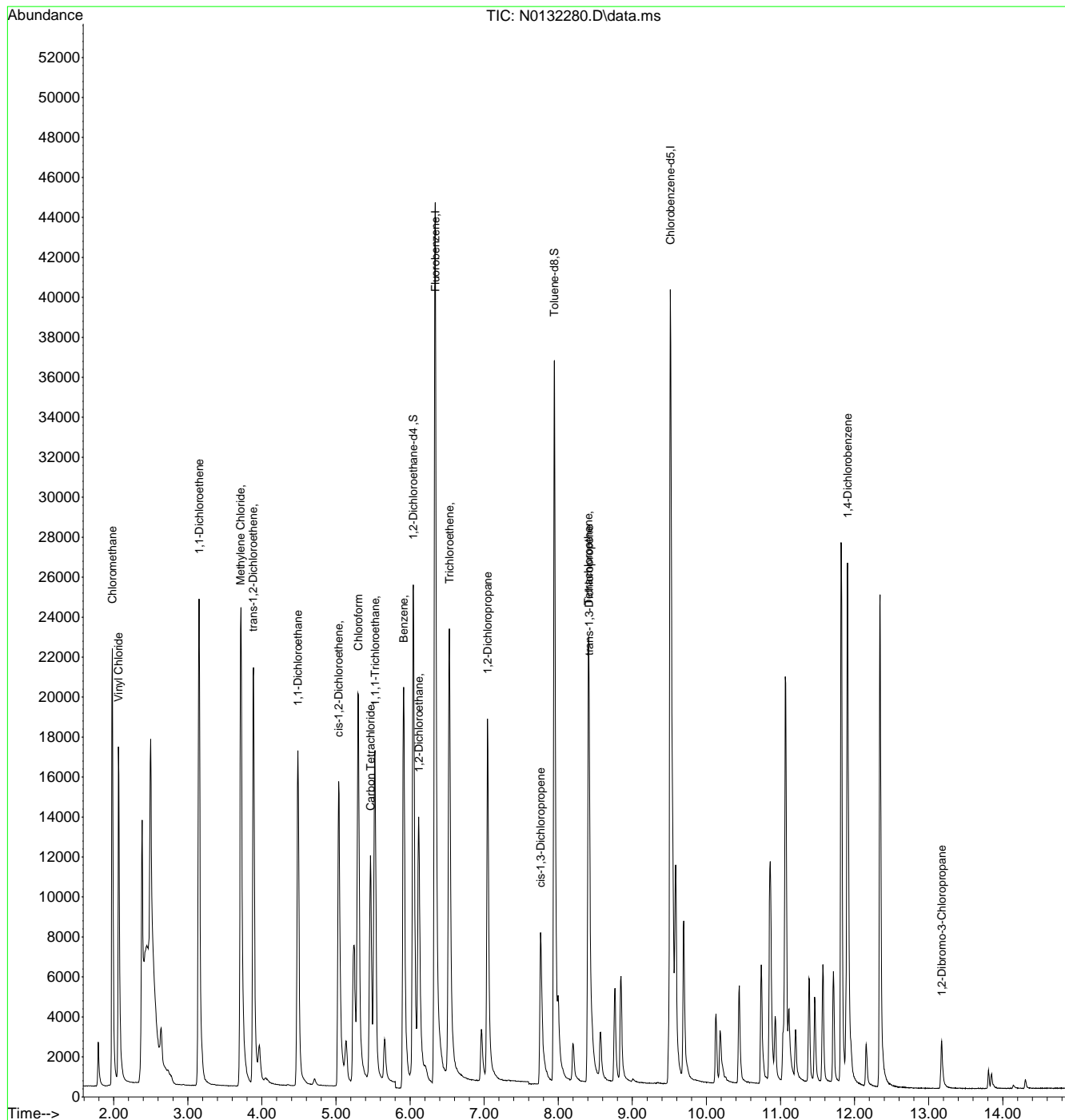


7.6.9
7

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\08-27-24\
 Data File : N0132280.D
 Acq On : 27 Aug 2024 6:54 am
 Operator : jeniferw
 Sample : CC6705-5
 Misc : MS57355,VN6709,,,,,
 ALS Vial : 2 Sample Multiplier: 1

Quant Time: Aug 27 07:15:19 2024
 Quant Method : C:\msdchem\1\methods\SIMCL_VN6705_082024.M
 Quant Title : Standard Methods 6200B
 QLast Update : Tue Aug 20 14:01:28 2024
 Response via : Initial Calibration



697



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\08-27-24\
 Data File : N0132306.D
 Acq On : 27 Aug 2024 5:16 pm
 Operator : jeniferw
 Sample : ECC6705-5
 Misc : MS57365,VN6709,,,,,
 ALS Vial : 28 Sample Multiplier: 1

Quant Time: Aug 28 05:40:04 2024
 Quant Method : C:\msdchem\1\methods\SIMCL_VN6705_082024.M
 Quant Title : Standard Methods 6200B
 QLast Update : Tue Aug 20 14:01:28 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	

Internal Standards							
1) Fluorobenzene	6.341	96	56598	5.00	ug/L	0.00	
18) Chlorobenzene-d5	9.514	117	36095	5.00	ug/L	0.00	
System Monitoring Compounds							
13) 1,2-Dichloroethane-d4	6.041	65	23937	4.92	ug/L	0.00	
Spiked Amount	5.000	Range 74 - 125	Recovery	=	98.40%		
19) Toluene-d8	7.951	98	40386	5.07	ug/L	0.00	
Spiked Amount	5.000	Range 88 - 111	Recovery	=	101.40%		
Target Compounds							
							Qvalue
2) Vinyl Chloride	2.065	62	19174	15.31	ug/L		96
3) Chloromethane	1.977	50	21567	12.90	ug/L		99
4) 1,1-Dichloroethene	3.147	61	17457	10.48	ug/L		94
5) Methylene Chloride	3.712	49	29315	14.33	ug/L		95
6) trans-1,2-Dichloroethene	3.883	61	15303	11.01	ug/L		96
7) 1,1-Dichloroethane	4.487	63	20563	11.02	ug/L		99
8) cis-1,2-Dichloroethene	5.036	96	9215	11.30	ug/L		97
9) Chloroform	5.296	83	20550	11.24	ug/L		97
10) Carbon Tetrachloride	5.466	117	8189	9.67	ug/L		99
11) 1,1,1-Trichloroethane	5.527	97	12713	10.55	ug/L		98
12) Benzene	5.915	78	33951	11.23	ug/L		97
14) 1,2-Dichloroethane	6.116	62	15943	11.17	ug/L		99
15) Trichloroethene	6.531	95	9181	10.79	ug/L		98
16) 1,2-Dichloropropane	7.047	63	10324	10.82	ug/L		99
17) cis-1,3-Dichloropropene	7.764	75	8436	11.17	ug/L		99
20) trans-1,3-Dichloropropene	8.424	75	8542	11.61	ug/L		97
21) Tetrachloroethene	8.408	166	9178	11.29	ug/L #		97
22) 1,4-Dichlorobenzene	11.906	146	21198	11.49	ug/L		97
23) 1,2-Dibromo-3-Chloropr...	13.176	75	1677	11.10	ug/L		95

(#) = qualifier out of range (m) = manual integration (+) = signals summed

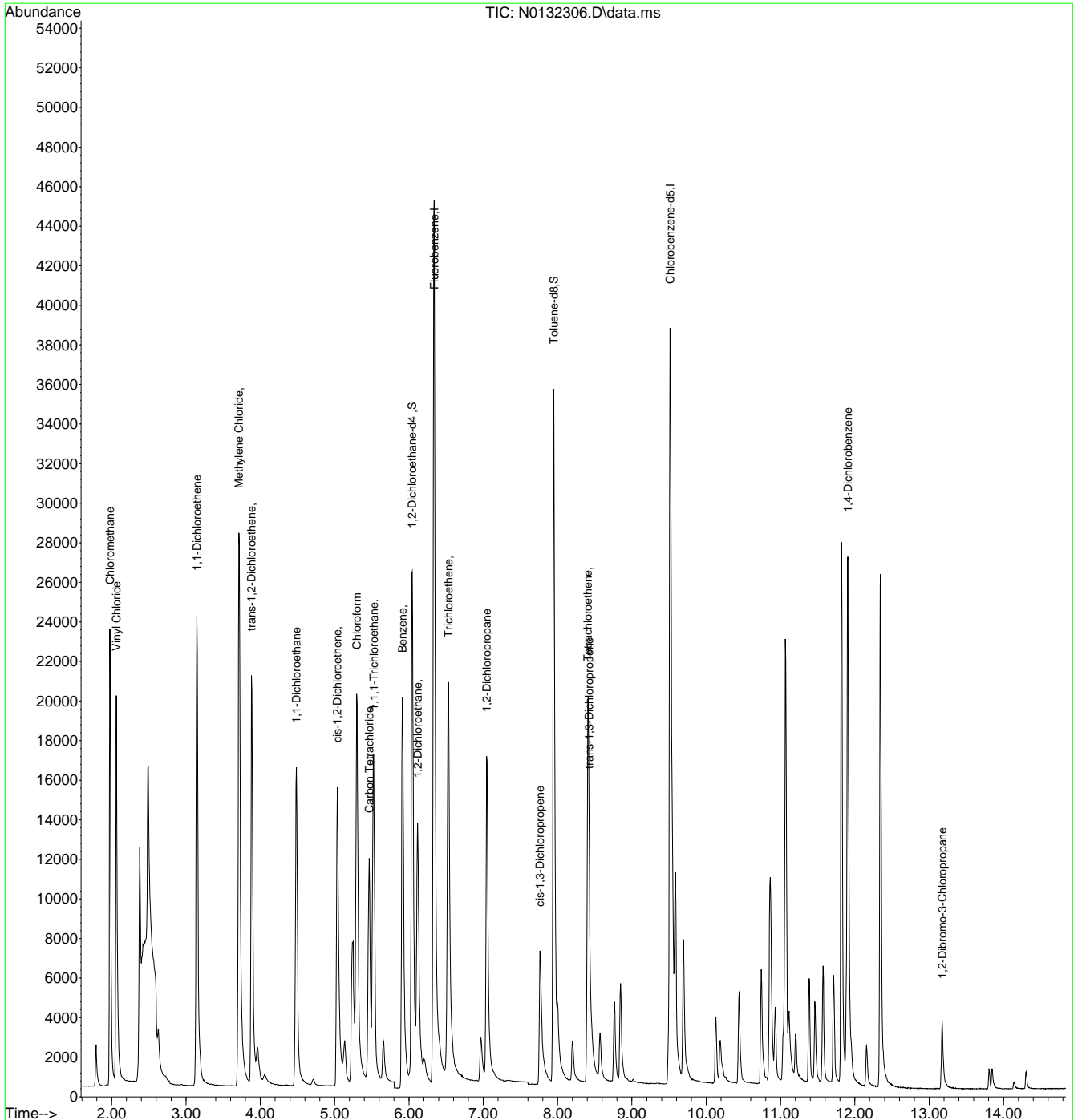
7.6.10
7



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\08-27-24\
 Data File : N0132306.D
 Acq On : 27 Aug 2024 5:16 pm
 Operator : jeniferw
 Sample : ECC6705-5
 Misc : MS57365,VN6709,,,,,
 ALS Vial : 28 Sample Multiplier: 1

Quant Time: Aug 28 05:40:04 2024
 Quant Method : C:\msdchem\1\methods\SIMCL_VN6705_082024.M
 Quant Title : Standard Methods 6200B
 QLast Update : Tue Aug 20 14:01:28 2024
 Response via : Initial Calibration



7.6.10
7

SGS -ORLANDO

VOA-GCMS ANALYSIS LOG

Instrument:	MS-VOAB-N
Date:	08/27/2024
Analyst:	Jennifer W
Column Type	RTX/MS
Detector	5975C-MSD
Purge Pressure	
Purge Volume	5mL

Method(s):	SIMCL
Method File:	SIMCL_VN6705_08202024.M
Calibration Date:	08/20/2024
Acq. Method:	ACQ_SIMCLb
EM Voltage:	1353V
Run ID:	VN6709

BFB:	VS4050
ICAL/CC:	, VS4183, VS4198
ICV/BS:	, VS4167, VS4199
ISTD/Surr.:	VS4180
Data processed by:	Jennifer W
Sample ID Ver. by:	Jennifer W
Date Verified:	08/27/2024

Data File	Sample ID	Dilution Factor	Vial #	Matrix	A.S. Pos.	Work Group	pH	CI? (Y/N)	RR	Comments and Manually Integrated Peaks (Peak # and Rational)
N0132279	BFB	-	-	Water	1	-	-	-	-	10uL→40mL Autotune Passed
N0132280	CC6705-5	-	-	Water	2	-	-	-	-	50uL→50mL ✓
N0132281	BS	-	-	Water	3	-	-	-	-	25uL→50mL ✓
N0132282	rinse	-	-	Water	4	-	-	-	-	
N0132283	MB	-	-	Water	5	-	-	-	-	ND✓
N0132284	FC-18257-1	-	1	Water	6	MSS7365	1	N	-	PBL#9 ✓
N0132285	FC-18257-2	-	1	Water	7	MSS7365	1	N	-	PBL#9 ✓
N0132286	FC-18257-3	-	1	Water	8	MSS7365	1	N	-	✓
N0132287	FC-18260-1	-	1	Water	9	MSS7365	1	N	-	PBL#9 ✓
N0132288	FC-18260-2	-	1	Water	10	MSS7365	1	N	-	PBL#9 ✓
N0132289	FC-18260-3	-	1	Water	11	MSS7365	1	N	-	PBL#9 ✓
N0132290	FC-18260-4	-	1	Water	12	MSS7365	1	N	1x	PBL#9; C12DCE (high BS)
N0132291	FC-18260-5	-	1	Water	13	MSS7365	1	N	-	✓
N0132292	FC-18260-6	-	1	Water	14	MSS7365	1	N	1x	PBL#9; C12DCE (high BS)
N0132293	FC-18260-7	-	1	Water	15	MSS7365	1	N	-	PBL#9 ✓
N0132294	FC-18260-8	-	1	Water	16	MSS7365	1	N	-	PBL#9 ✓
N0132295	FC-18260-9	-	1	Water	17	MSS7365	1	N	-	PBL#9 ✓
N0132296	FC-18260-10	-	1	Water	18	MSS7365	1	N	-	✓
N0132297	FC-18260-11	-	1	Water	19	MSS7365	1	N	1x	PBL#9; C12DCE (high BS)
N0132298	FC-18260-12	-	1	Water	20	MSS7365	1	N	-	✓
N0132299	FC-18260-13	-	1	Water	21	MSS7365	1	N	1x	C12DCE (high BS)
N0132300	FC-18260-14	-	1	Water	22	MSS7365	1	N	1x	PBL#9; C12DCE (high BS)
N0132301	FC-18260-15	-	1	Water	23	MSS7365	1	N	-	PBL#9 ✓
N0132302	FC-18260-16	-	1	Water	24	MSS7365	1	N	1x	PBL#9; C12DCE (high BS)
N0132303	FC-18260-17	-	1	Water	25	MSS7365	1	N	-	PBL#9 ✓
N0132304	FC-18257-2MS	5X	1	Water	26	MSS7365	1	N	-	20mL→100mL spike 50uL→100mL ✓
N0132305	FC-18257-2MSD	5X	1	Water	27	MSS7365	1	N	-	20mL→100mL spike 50uL→100mL ✓
N0132306	ECC6705-5	-	-	Water	28	-	-	-	-	50uL→50mL ✓

Matrix: Designate "W" for Water, "S" for soil, "O" for Oil, "L" for Non-aqueous Liquid, and "TCLP" or "SPLP" for Leachate
 Manual Integration Rational SOP QA029: I/P Missed Peak, O/P Overlapping Peak, SP Split Peak, PDB Poorly Defined Baseline, BR Baseline Ripple, P/I Poor Instrument

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

e-Hardcopy 2.0
Automated Report

Technical Report for

Ahtna Global, LLC

Fort Ord Groundwater Monitoring

21187.001.01.0000 (FFO 2024 Q3) OUCTP-A

SGS Job Number: FC18258

Sampling Date: 08/20/24



Report to:

Ahtna Global, LLC
9699 Blue Larkspur Lane Suite 203
Monterey, CA 93940
dlieberman@ahtna.net; mfisher@ahtna.net;
hdillon@ahtna.net; eschmidt@ahtna.net;
ATTN: Derek Lieberman

Total number of pages in report: **184**



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

Norm Farmer
Technical Director

Client Service contact: Elvin Kumar 407-425-6700

Certifications: FL(E83510), LA(03051), KS(E-10327), NC(573), NJ(FL002), NY(12022), SC(96038001)

DoD ELAP(ANAB L2229), AZ(AZ0806), CA(2937), TX(T104704404), PA(68-03573), VA(460177),

AL, AK, AR, CT, IA, KY, MA, MI, MS, ND, NH, NV, OK, OR, IL, UT, VT, WA, WI, WV

This report shall not be reproduced, except in its entirety, without the written approval of SGS.

Test results relate only to samples analyzed.

Table of Contents

-1-

Section 1: Sample Summary	3
Section 2: Case Narrative/Conformance Summary	4
Section 3: Summary of Hits	5
Section 4: Sample Results	7
4.1: FC18258-1: 2434W0BW219A	8
4.2: FC18258-2: 2434W0BW159F	9
4.3: FC18258-3: 2434W0BW174D	10
4.4: FC18258-4: 2434W0BW202C	11
4.5: FC18258-5: 2434W0BW155F	12
4.6: FC18258-6: 2434W0BW153F	13
4.7: FC18258-7: 2434W0BW154F	14
4.8: FC18258-8: 2434X0BW043F	15
4.9: FC18258-9: 2434X0BW186F	16
4.10: FC18258-10: 24340BWX191C	17
Section 5: Misc. Forms	18
5.1: Chain of Custody	19
5.2: QC Evaluation: DOD QSM5.x Limits	23
Section 6: MS Volatiles - QC Data Summaries	26
6.1: Method Blank Summary	27
6.2: Blank Spike Summary	29
6.3: Matrix Spike/Matrix Spike Duplicate Summary	31
6.4: Instrument Performance Checks (BFB)	33
6.5: Internal Standard Area Summaries	37
6.6: Surrogate Recovery Summaries	39
6.7: Initial and Continuing Calibration Summaries	40
6.8: Run Sequence Reports	55
Section 7: MS Volatiles - Raw Data	59
7.1: Samples	60
7.2: Method Blanks	104
7.3: Blank Spikes	110
7.4: Matrix Spike/Matrix Spike Duplicates	114
7.5: Instrument Performance Checks (BFB)	122
7.6: Initial and Continuing Calibrations	126
7.7: Instrument Run Logs	181



Sample Summary

Ahtna Global, LLC

Job No: FC18258

Fort Ord Groundwater Monitoring

Project No: 21187.001.01.0000 (FFO 2024 Q3) OUCTP-A

Sample Number	Collected		Received	Matrix		Client Sample ID
	Date	Time By		Code	Type	
FC18258-1	08/20/24	08:28	08/22/24	AQ	Trip Blank Water	2434W0BW219A
FC18258-2	08/20/24	08:32	08/22/24	AQ	Ground Water	2434W0BW159F
FC18258-3	08/20/24	08:37	08/22/24	AQ	Ground Water	2434W0BW174D
FC18258-4	08/20/24	08:41	08/22/24	AQ	Field Blank Water	2434W0BW202C
FC18258-5	08/20/24	11:48	08/22/24	AQ	Ground Water	2434W0BW155F
FC18258-6	08/20/24	12:35	08/22/24	AQ	Ground Water	2434W0BW153F
FC18258-7	08/20/24	13:57	08/22/24	AQ	Ground Water	2434W0BW154F
FC18258-8	08/20/24	08:13	08/22/24	AQ	Ground Water	2434X0BW043F
FC18258-9	08/20/24	08:14	08/22/24	AQ	Ground Water	2434X0BW186F
FC18258-10	08/20/24	14:39	08/22/24	AQ	Field Blank Water	24340BWX191C

SAMPLE DELIVERY GROUP CASE NARRATIVE

Client: Ahtna Global, LLC

Job No: FC18258

Site: Fort Ord Groundwater Monitoring

Report Date: 8/29/2024 3:39:25 PM

On 08/23/2024, 7 Sample(s), 1 Trip Blank(s), 0 Equip. Blank(s) and 2 Field Blank(s) were received at SGS North America Inc - Orlando. at a maximum corrected temperature of 2.6 C. Samples were intact and chemically preserved, unless noted below. A SGS North America Inc. - Orlando Job Number of FC18258 was assigned to the project.

Laboratory sample ID, client sample ID and dates of sample collection are detailed in the report's Results Summary Section. Specified quality control criteria were achieved for this job except as noted below. For more information, please refer to the analytical results and QC summary pages.

MS Volatiles By Method SW846 8260D BY SIM

Matrix: AQ

Batch ID: VN6710

Sample(s) FC18255-2MS, FC18255-2MSD were used as the QC samples indicated.

Sample(s) FC18258-1, FC18258-2, FC18258-3 have compound(s) reported with a "B" qualifier, indicating analyte is found in the associated method blank.

Blank Spike Recovery(s) for Methylene Chloride are outside control limits.

Matrix Spike Recovery(s) for Methylene Chloride are outside control limits. Probable cause is due to matrix interference.

Matrix Spike Duplicate Recovery(s) for Methylene Chloride are outside control limits. Probable cause is due to matrix interference.

RPD(s) for MSD for Tetrachloroethylene are outside control limits for sample FC18255-2MSD. Probable cause is due to sample non-homogeneity.

FC18258-1 for Methylene Chloride: Associated ECC and BS outside of DOD QSM control limits high. Suspected laboratory contaminant.

FC18258-1 for Vinyl Chloride: Associated CCV and ECC recovery outside DOD QSM control limits high, sample is ND.

FC18258-2 for Methylene Chloride: Associated ECC and BS outside of DOD QSM control limits high. Suspected laboratory contaminant.

FC18258-2 for Vinyl Chloride: Associated CCV and ECC recovery outside DOD QSM control limits high, sample is ND.

FC18258-3 for Methylene Chloride: Associated ECC and BS outside of DOD QSM control limits high. Suspected laboratory contaminant.

FC18258-3 for Vinyl Chloride: Associated CCV and ECC recovery outside DOD QSM control limits high, sample is ND.

Matrix: AQ

Batch ID: VZ3085

Sample(s) FC18258-5MS, FC18258-5MSD were used as the QC samples indicated.

Matrix Spike Recovery(s) for Methylene Chloride are outside control limits. Probable cause is due to matrix interference.

SGS North America Inc. - Orlando certifies that data reported for samples received, listed on the associated custody chain or analytical task order, were produced to specifications meeting the Quality System precision, accuracy and completeness objectives except as noted. Estimated non-standard method measurement uncertainty data is available on request, based on quality control bias and implicit for standard methods. Acceptable uncertainty requires tested parameter quality control data to meet method criteria. SGS North America Inc.- Orlando is not responsible for data quality assumptions if partial reports are used and recommends that this report be used in its entirety.

Narrative prepared by:

Kim Benham, Report Generation (signature on file)

Summary of Hits

Job Number: FC18258
Account: Ahtna Global, LLC
Project: Fort Ord Groundwater Monitoring
Collected: 08/20/24



Lab Sample ID	Client Sample ID	Result/ Qual	LOQ	LOD	Units	Method
---------------	------------------	-----------------	-----	-----	-------	--------

FC18258-1 2434W0BW219A

Methylene Chloride ^a 0.96 JB 2.0 0.50 ug/l SW846 8260D BY SIM

FC18258-2 2434W0BW159F

Carbon Tetrachloride 0.72 0.50 0.25 ug/l SW846 8260D BY SIM
 Chloroform 0.17 J 0.50 0.25 ug/l SW846 8260D BY SIM
 Methylene Chloride ^a 1.3 JB 2.0 0.50 ug/l SW846 8260D BY SIM

FC18258-3 2434W0BW174D

Carbon Tetrachloride 0.67 0.50 0.25 ug/l SW846 8260D BY SIM
 Chloroform 0.16 J 0.50 0.25 ug/l SW846 8260D BY SIM
 Methylene Chloride ^a 1.4 JB 2.0 0.50 ug/l SW846 8260D BY SIM

FC18258-4 2434W0BW202C

No hits reported in this sample.

FC18258-5 2434W0BW155F

1,2-Dichloroethene (total) 0.16 J 0.50 0.25 ug/l SW846 8260D BY SIM
 Trichloroethylene 0.67 0.50 0.25 ug/l SW846 8260D BY SIM

FC18258-6 2434W0BW153F

Chloroform 0.12 J 0.50 0.25 ug/l SW846 8260D BY SIM

FC18258-7 2434W0BW154F

Chloroform 0.35 J 0.50 0.25 ug/l SW846 8260D BY SIM

FC18258-8 2434X0BW043F

No hits reported in this sample.

FC18258-9 2434X0BW186F

No hits reported in this sample.

FC18258-10 24340BWX191C

No hits reported in this sample.

Summary of Hits

Job Number: FC18258
Account: Ahtna Global, LLC
Project: Fort Ord Groundwater Monitoring
Collected: 08/20/24



Lab Sample ID	Client Sample ID	Result/ Qual	LOQ	LOD	Units	Method
---------------	------------------	-----------------	-----	-----	-------	--------

(a) Associated ECC and BS outside of DOD QSM control limits high. Suspected laboratory contaminant.

Sample Results

Report of Analysis

SGS North America Inc.

Report of Analysis

Page 1 of 1

Client Sample ID:	2434W0BW219A	Date Sampled:	08/20/24
Lab Sample ID:	FC18258-1	Date Received:	08/22/24
Matrix:	AQ - Trip Blank Water	Percent Solids:	n/a
Method:	SW846 8260D BY SIM		
Project:	Fort Ord Groundwater Monitoring		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	N0132318.D	1	08/28/24 10:56	JW	n/a	n/a	VN6710
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA Special List

CAS No.	Compound	Result	LOQ	LOD	DL	Units	Q
56-23-5	Carbon Tetrachloride	0.25 U	0.50	0.25	0.10	ug/l	
67-66-3	Chloroform	0.25 U	0.50	0.25	0.10	ug/l	
75-35-4	1,1-Dichloroethylene	0.25 U	0.50	0.25	0.10	ug/l	
540-59-0	1,2-Dichloroethene (total)	0.25 U	0.50	0.25	0.10	ug/l	
75-09-2	Methylene Chloride ^a	0.96	2.0	0.50	0.50	ug/l	JB
127-18-4	Tetrachloroethylene	0.25 U	0.50	0.25	0.10	ug/l	
79-01-6	Trichloroethylene	0.25 U	0.50	0.25	0.10	ug/l	
75-01-4	Vinyl Chloride ^b	0.10 U	0.10	0.10	0.050	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
17060-07-0	1,2-Dichloroethane-D4	104%		74-125%
2037-26-5	Toluene-D8	107%		88-111%

(a) Associated ECC and BS outside of DOD QSM control limits high. Suspected laboratory contaminant.

(b) Associated CCV and ECC recovery outside DOD QSM control limits high, sample is ND.

U = Not detected

LOD = Limit of Detection

J = Indicates an estimated value

LOQ = Limit of Quantitation

DL = Detection Limit

B = Indicates analyte found in associated method blank

E = Indicates value exceeds calibration range

N = Indicates presumptive evidence of a compound

SGS North America Inc.

Report of Analysis

Page 1 of 1

Client Sample ID:	2434W0BW159F	Date Sampled:	08/20/24
Lab Sample ID:	FC18258-2	Date Received:	08/22/24
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8260D BY SIM		
Project:	Fort Ord Groundwater Monitoring		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	N0132325.D	1	08/28/24 13:49	JW	n/a	n/a	VN6710
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA Special List

CAS No.	Compound	Result	LOQ	LOD	DL	Units	Q
56-23-5	Carbon Tetrachloride	0.72	0.50	0.25	0.10	ug/l	
67-66-3	Chloroform	0.17	0.50	0.25	0.10	ug/l	J
75-35-4	1,1-Dichloroethylene	0.25 U	0.50	0.25	0.10	ug/l	
540-59-0	1,2-Dichloroethene (total)	0.25 U	0.50	0.25	0.10	ug/l	
75-09-2	Methylene Chloride ^a	1.3	2.0	0.50	0.50	ug/l	JB
127-18-4	Tetrachloroethylene	0.25 U	0.50	0.25	0.10	ug/l	
79-01-6	Trichloroethylene	0.25 U	0.50	0.25	0.10	ug/l	
75-01-4	Vinyl Chloride ^b	0.10 U	0.10	0.10	0.050	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
17060-07-0	1,2-Dichloroethane-D4	112%		74-125%
2037-26-5	Toluene-D8	105%		88-111%

(a) Associated ECC and BS outside of DOD QSM control limits high. Suspected laboratory contaminant.

(b) Associated CCV and ECC recovery outside DOD QSM control limits high, sample is ND.

U = Not detected

LOD = Limit of Detection

J = Indicates an estimated value

LOQ = Limit of Quantitation

DL = Detection Limit

B = Indicates analyte found in associated method blank

E = Indicates value exceeds calibration range

N = Indicates presumptive evidence of a compound

SGS North America Inc.

Report of Analysis

Page 1 of 1

Client Sample ID:	2434W0BW174D	Date Sampled:	08/20/24
Lab Sample ID:	FC18258-3	Date Received:	08/22/24
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8260D BY SIM		
Project:	Fort Ord Groundwater Monitoring		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	N0132326.D	1	08/28/24 14:14	JW	n/a	n/a	VN6710
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA Special List

CAS No.	Compound	Result	LOQ	LOD	DL	Units	Q
56-23-5	Carbon Tetrachloride	0.67	0.50	0.25	0.10	ug/l	
67-66-3	Chloroform	0.16	0.50	0.25	0.10	ug/l	J
75-35-4	1,1-Dichloroethylene	0.25 U	0.50	0.25	0.10	ug/l	
540-59-0	1,2-Dichloroethene (total)	0.25 U	0.50	0.25	0.10	ug/l	
75-09-2	Methylene Chloride ^a	1.4	2.0	0.50	0.50	ug/l	JB
127-18-4	Tetrachloroethylene	0.25 U	0.50	0.25	0.10	ug/l	
79-01-6	Trichloroethylene	0.25 U	0.50	0.25	0.10	ug/l	
75-01-4	Vinyl Chloride ^b	0.10 U	0.10	0.10	0.050	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
17060-07-0	1,2-Dichloroethane-D4	112%		74-125%
2037-26-5	Toluene-D8	105%		88-111%

(a) Associated ECC and BS outside of DOD QSM control limits high. Suspected laboratory contaminant.

(b) Associated CCV and ECC recovery outside DOD QSM control limits high, sample is ND.

U = Not detected

LOD = Limit of Detection

J = Indicates an estimated value

LOQ = Limit of Quantitation

DL = Detection Limit

B = Indicates analyte found in associated method blank

E = Indicates value exceeds calibration range

N = Indicates presumptive evidence of a compound

SGS North America Inc.

Report of Analysis

Page 1 of 1

Client Sample ID:	2434W0BW202C	Date Sampled:	08/20/24
Lab Sample ID:	FC18258-4	Date Received:	08/22/24
Matrix:	AQ - Field Blank Water	Percent Solids:	n/a
Method:	SW846 8260D BY SIM		
Project:	Fort Ord Groundwater Monitoring		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	Z76617.D	1	08/28/24 14:55	CS	n/a	n/a	VZ3085
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA Special List

CAS No.	Compound	Result	LOQ	LOD	DL	Units	Q
56-23-5	Carbon Tetrachloride	0.25 U	0.50	0.25	0.10	ug/l	
67-66-3	Chloroform	0.25 U	0.50	0.25	0.10	ug/l	
75-35-4	1,1-Dichloroethylene	0.25 U	0.50	0.25	0.10	ug/l	
540-59-0	1,2-Dichloroethene (total)	0.25 U	0.50	0.25	0.10	ug/l	
75-09-2	Methylene Chloride	0.50 U	2.0	0.50	0.50	ug/l	
127-18-4	Tetrachloroethylene	0.25 U	0.50	0.25	0.10	ug/l	
79-01-6	Trichloroethylene	0.25 U	0.50	0.25	0.10	ug/l	
75-01-4	Vinyl Chloride	0.10 U	0.10	0.10	0.050	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
17060-07-0	1,2-Dichloroethane-D4	102%		74-125%
2037-26-5	Toluene-D8	98%		88-111%

U = Not detected

LOD = Limit of Detection

J = Indicates an estimated value

LOQ = Limit of Quantitation

DL = Detection Limit

B = Indicates analyte found in associated method blank

E = Indicates value exceeds calibration range

N = Indicates presumptive evidence of a compound

SGS North America Inc.

Report of Analysis

Page 1 of 1

Client Sample ID: 2434W0BW155F	
Lab Sample ID: FC18258-5	Date Sampled: 08/20/24
Matrix: AQ - Ground Water	Date Received: 08/22/24
Method: SW846 8260D BY SIM	Percent Solids: n/a
Project: Fort Ord Groundwater Monitoring	

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	Z76618.D	1	08/28/24 15:19	CS	n/a	n/a	VZ3085
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA Special List

CAS No.	Compound	Result	LOQ	LOD	DL	Units	Q
56-23-5	Carbon Tetrachloride	0.25 U	0.50	0.25	0.10	ug/l	
67-66-3	Chloroform	0.25 U	0.50	0.25	0.10	ug/l	
75-35-4	1,1-Dichloroethylene	0.25 U	0.50	0.25	0.10	ug/l	
540-59-0	1,2-Dichloroethene (total)	0.16	0.50	0.25	0.10	ug/l	J
75-09-2	Methylene Chloride	0.50 U	2.0	0.50	0.50	ug/l	
127-18-4	Tetrachloroethylene	0.25 U	0.50	0.25	0.10	ug/l	
79-01-6	Trichloroethylene	0.67	0.50	0.25	0.10	ug/l	
75-01-4	Vinyl Chloride	0.10 U	0.10	0.10	0.050	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
17060-07-0	1,2-Dichloroethane-D4	104%		74-125%
2037-26-5	Toluene-D8	98%		88-111%

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

4.5
 4

SGS North America Inc.

Report of Analysis

Page 1 of 1

Client Sample ID: 2434W0BW153F	
Lab Sample ID: FC18258-6	Date Sampled: 08/20/24
Matrix: AQ - Ground Water	Date Received: 08/22/24
Method: SW846 8260D BY SIM	Percent Solids: n/a
Project: Fort Ord Groundwater Monitoring	

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	Z76622.D	1	08/28/24 16:51	CS	n/a	n/a	VZ3085
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA Special List

CAS No.	Compound	Result	LOQ	LOD	DL	Units	Q
56-23-5	Carbon Tetrachloride	0.25 U	0.50	0.25	0.10	ug/l	
67-66-3	Chloroform	0.12	0.50	0.25	0.10	ug/l	J
75-35-4	1,1-Dichloroethylene	0.25 U	0.50	0.25	0.10	ug/l	
540-59-0	1,2-Dichloroethene (total)	0.25 U	0.50	0.25	0.10	ug/l	
75-09-2	Methylene Chloride	0.50 U	2.0	0.50	0.50	ug/l	
127-18-4	Tetrachloroethylene	0.25 U	0.50	0.25	0.10	ug/l	
79-01-6	Trichloroethylene	0.25 U	0.50	0.25	0.10	ug/l	
75-01-4	Vinyl Chloride	0.10 U	0.10	0.10	0.050	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
17060-07-0	1,2-Dichloroethane-D4	105%		74-125%
2037-26-5	Toluene-D8	98%		88-111%

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

4.6
4

SGS North America Inc.

Report of Analysis

Page 1 of 1

Client Sample ID: 2434W0BW154F	
Lab Sample ID: FC18258-7	Date Sampled: 08/20/24
Matrix: AQ - Ground Water	Date Received: 08/22/24
Method: SW846 8260D BY SIM	Percent Solids: n/a
Project: Fort Ord Groundwater Monitoring	

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	Z76623.D	1	08/28/24 17:15	CS	n/a	n/a	VZ3085
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA Special List

CAS No.	Compound	Result	LOQ	LOD	DL	Units	Q
56-23-5	Carbon Tetrachloride	0.25 U	0.50	0.25	0.10	ug/l	
67-66-3	Chloroform	0.35	0.50	0.25	0.10	ug/l	J
75-35-4	1,1-Dichloroethylene	0.25 U	0.50	0.25	0.10	ug/l	
540-59-0	1,2-Dichloroethene (total)	0.25 U	0.50	0.25	0.10	ug/l	
75-09-2	Methylene Chloride	0.50 U	2.0	0.50	0.50	ug/l	
127-18-4	Tetrachloroethylene	0.25 U	0.50	0.25	0.10	ug/l	
79-01-6	Trichloroethylene	0.25 U	0.50	0.25	0.10	ug/l	
75-01-4	Vinyl Chloride	0.10 U	0.10	0.10	0.050	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
17060-07-0	1,2-Dichloroethane-D4	106%		74-125%
2037-26-5	Toluene-D8	98%		88-111%

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

4.7
 4

SGS North America Inc.

Report of Analysis

Page 1 of 1

Client Sample ID:	2434X0BW043F	Date Sampled:	08/20/24
Lab Sample ID:	FC18258-8	Date Received:	08/22/24
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8260D BY SIM		
Project:	Fort Ord Groundwater Monitoring		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	Z76624.D	1	08/28/24 17:38	CS	n/a	n/a	VZ3085
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA Special List

CAS No.	Compound	Result	LOQ	LOD	DL	Units	Q
56-23-5	Carbon Tetrachloride	0.25 U	0.50	0.25	0.10	ug/l	
67-66-3	Chloroform	0.25 U	0.50	0.25	0.10	ug/l	
75-35-4	1,1-Dichloroethylene	0.25 U	0.50	0.25	0.10	ug/l	
540-59-0	1,2-Dichloroethene (total)	0.25 U	0.50	0.25	0.10	ug/l	
75-09-2	Methylene Chloride	0.50 U	2.0	0.50	0.50	ug/l	
127-18-4	Tetrachloroethylene	0.25 U	0.50	0.25	0.10	ug/l	
79-01-6	Trichloroethylene	0.25 U	0.50	0.25	0.10	ug/l	
75-01-4	Vinyl Chloride	0.10 U	0.10	0.10	0.050	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
17060-07-0	1,2-Dichloroethane-D4	104%		74-125%
2037-26-5	Toluene-D8	98%		88-111%

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

4.8
 4

SGS North America Inc.

Report of Analysis

Page 1 of 1

Client Sample ID: 2434X0BW186F	
Lab Sample ID: FC18258-9	Date Sampled: 08/20/24
Matrix: AQ - Ground Water	Date Received: 08/22/24
Method: SW846 8260D BY SIM	Percent Solids: n/a
Project: Fort Ord Groundwater Monitoring	

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	Z76625.D	1	08/28/24 18:01	CS	n/a	n/a	VZ3085
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA Special List

CAS No.	Compound	Result	LOQ	LOD	DL	Units	Q
56-23-5	Carbon Tetrachloride	0.25 U	0.50	0.25	0.10	ug/l	
67-66-3	Chloroform	0.25 U	0.50	0.25	0.10	ug/l	
75-35-4	1,1-Dichloroethylene	0.25 U	0.50	0.25	0.10	ug/l	
540-59-0	1,2-Dichloroethene (total)	0.25 U	0.50	0.25	0.10	ug/l	
75-09-2	Methylene Chloride	0.50 U	2.0	0.50	0.50	ug/l	
127-18-4	Tetrachloroethylene	0.25 U	0.50	0.25	0.10	ug/l	
79-01-6	Trichloroethylene	0.25 U	0.50	0.25	0.10	ug/l	
75-01-4	Vinyl Chloride	0.10 U	0.10	0.10	0.050	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
17060-07-0	1,2-Dichloroethane-D4	105%		74-125%
2037-26-5	Toluene-D8	98%		88-111%

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

4.9
4

SGS North America Inc.

Report of Analysis

Page 1 of 1

Client Sample ID: 24340BWX191C	
Lab Sample ID: FC18258-10	Date Sampled: 08/20/24
Matrix: AQ - Field Blank Water	Date Received: 08/22/24
Method: SW846 8260D BY SIM	Percent Solids: n/a
Project: Fort Ord Groundwater Monitoring	

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	Z76620.D	1	08/28/24 16:05	CS	n/a	n/a	VZ3085
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA Special List

CAS No.	Compound	Result	LOQ	LOD	DL	Units	Q
56-23-5	Carbon Tetrachloride	0.25 U	0.50	0.25	0.10	ug/l	
67-66-3	Chloroform	0.25 U	0.50	0.25	0.10	ug/l	
75-35-4	1,1-Dichloroethylene	0.25 U	0.50	0.25	0.10	ug/l	
540-59-0	1,2-Dichloroethene (total)	0.25 U	0.50	0.25	0.10	ug/l	
75-09-2	Methylene Chloride	0.50 U	2.0	0.50	0.50	ug/l	
127-18-4	Tetrachloroethylene	0.25 U	0.50	0.25	0.10	ug/l	
79-01-6	Trichloroethylene	0.25 U	0.50	0.25	0.10	ug/l	
75-01-4	Vinyl Chloride	0.10 U	0.10	0.10	0.050	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
17060-07-0	1,2-Dichloroethane-D4	110%		74-125%
2037-26-5	Toluene-D8	96%		88-111%

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

4.10
4

Misc. Forms

Custody Documents and Other Forms

Includes the following where applicable:

- Chain of Custody
- QC Evaluation: DOD QSM5.x Limits

Ahtna CAD53416

FC18258

Cooler No.:		of	53 8/21
COC No: 240820-OUCTP A-3			
Task Desc: FFO2024Q3_Team1234			

Chain-of-Custody / Analytical Request Document

Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed and accurate

Lab Name: SGS North America Inc. - Orlando	Site ID #: FFORD	Sampler: 1741469
Lab Address:	Project #: 21187.001.01.0000	Sampling Company: Ahtna
Lab PM: Elvin Kumar	Site Address: FFO, Marina, CA 93933	Sampling Company Phone: 831-287-5250
Lab Phone/Fax: (407) 425-6700	Site PM Name: Derek Lieberman	Sampling Team Number: 5
Lab PM Email:	Site Phone/Fax:	Reimbursable Project?
Applicable Lab Quote:	Site PM Email: dlieberman@ahntna.net	Send EDD/Hard Copy To: labs@ahntna.net; dlieberman@ahntna.net
Turnaround Time: 10 Business Days	Turnaround Standard: Standard	

Items No.	Sample ID	Sample Location	Matrix	Depth	Gr-Grab Or-Comp	Sample Type	Sample Date Time	# of Containers	Comments Lab I.D.	Filtered	Preserve	Analysis
1	2434W0BW219A		WQ			TB1	08/20/2024 08:28	2		X		
2	2434W0BW159F		WG	101.4 - 101.4 ft bloc		NS1	08/20/2024 08:32	3		X		
3	2434W0BW174D		WG	101.4 - 101.4 ft bloc		FD1	08/20/2024 08:37	3		X		
4	2434W0BW202C		WQ			FB1	08/20/2024 08:41	3		X		
5	2434W0BW155F		WG	110 - 110 ft bloc		NS1	08/20/2024 11:48	3		X		
6	2434W0BW153F		WG	92 - 92 ft bloc		NS1	08/20/2024 12:35	3		X		

INITIAL ASSESSMENT
LABEL VERIFICATION ZB
TP

2.9 IR#1

Sample Reason:	RELINQUISHED BY / AFFILIATION	Date Time	ACCEPTED BY / AFFILIATION	Date Time	Sample Receipt Conditions			
Additional Comments/Special Instructions: OUCTP - A	<u>B. G. BTS</u>	8/20/24 16:06	<u>[Signature] / Ahtna</u>	8-20-24 16:06	<input type="checkbox"/> Yes	<input type="checkbox"/> Yes	<input type="checkbox"/> Yes	<input type="checkbox"/> Yes
	<u>[Signature] / Ahtna</u>	8-21-24 8:20	<u>Lea Baum</u> SGS	8/21/24 7:00	<input type="checkbox"/> Yes	<input type="checkbox"/> Yes	<input type="checkbox"/> Yes	<input type="checkbox"/> Yes
	<u>Lee Baum</u> SGS	8/21/24 1:50	<u>Fedex</u>	8/21/24 1:50	<input type="checkbox"/> Yes	<input type="checkbox"/> Yes	<input type="checkbox"/> Yes	<input type="checkbox"/> Yes
			<u>[Signature]</u>	8/22/24 9:00	<input type="checkbox"/> Yes	<input type="checkbox"/> Yes	<input type="checkbox"/> Yes	<input type="checkbox"/> Yes
	SHIPPING METHOD: (mark as appropriate)		SAMPLER NAME AND SIGNATURE	Date Time	Temperature in °C	Sample on Ice?	Sample Intact?	Trip Blank?

FC18258: Chain of Custody



5.1
5

Ahtna

CAD53416

FC18258

Chain-of-Custody / Analytical Request Document
Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed and accurate

Cooler No.: of
COG No: 240820-OUCTP A-3
Task Desc: FFO2024Q3_Team1231

Lab Name: SGS North America Inc. - Orlando
Site ID #: FFORD
Sampler: 1741469
Lab Address: 21187.001.01.0000
Project #:
Sampling Company: Ahtna
Lab PM: Elvin Kumar
Site Address: 9400 Redwood Forest, Markspur Ln Ste 201 Monterey
Lab Phone/Fax: (407) 425-6700
Site PM Name: Derek Lieberman
Lab PM Email:
Site Phone/Fax:
Sampling Company Phone: 831-287-5250
Applicable Lab Quote:
Site PM Email: dlieberman@ahntna.net
Reimbursable Project?
Turnaround Time: 10 Business Days
Turnaround Standard: Standard
Send EDD/Hard Copy To: labs@ahntna.net; dlieberman@ahntna.net

Table with columns: Items No., Sample ID, Sample Location, Matrix, Depth, G-Code, Sample Type, Sample Date Time, # of Containers, Comments Lab I.D., Filtered, Preserve, Analysis. Contains 3 rows of sample data.

8/21

Sample Reason:
Additional Comments/Special Instructions:
RELINQUISHED BY / AFFILIATION: Eric Kala / Blaine Tela Services
ACCEPTED BY / AFFILIATION: Lee Bantz / Ahtna
Sample Receipt Conditions:
SHIPPING METHOD: (mark as appropriate)
SAMPLER NAME AND SIGNATURE
Date Time
Temperature in °C
Sample on Ice?
Sample Intact?
Trip Blank?

OUCTP - A



5.1 5

SGS - Orlando Sample Receipt Summary

Job Number: fc18258

Client: AHTNA

Project: OUCTP-A FFO2024Q3

Date / Time Received: 8/22/2024 9:00:00 AM

Delivery Method: FEDEX

Airbill #s: 778111082577

Cooler Temps (Raw Measured) °C: Cooler 1: (2.8);

Cooler Temps (Corrected) °C: Cooler 1: (2.6);

Cooler Informatio

Y or N

- 1. Custody Seals Present:
- 2. Custody Seals Intact:
- 3. Temp criteria achieved:
- 4. Cooler temp verification: IR Gun
- 5. Cooler media: Ice (Bag)

Trip Blank Information

Y or N N/A

- 1. Trip Blank present / cooler:
- 2. Trip Blank listed on COC:

W or S N/A

- 3. Type of TB Received

Sample Information

Y or N N/A

- 1. Sample labels present on bottles:
- 2. Samples presented properly:
- 3. Sufficient volume/containers recv'd for analysi:
- 4. Condition of sample: Intact
- 5. Sample recv'd within HT:
- 6. Dates/Times/IDs on COC match sample labe:
- 7. VOCs have headspace:
- 8. Bottles received for unspecified tests:
- 9. Compositing instructions clear:
- 10. Voa Soil Kits/Jars received past 48hrs?:
- 11. % Solids Jar Received?:
- 12. Residual Chlorine Present?:

Misc Information

Number of Encores: 25 Gram 5 Gram
 Test Strip Lot #: pH 0-3: 226422
 Residual Chlorine Test Strip Lot: _____

Number of Lab Filtered Metals
 pH 10-12: _____ Other: (Specify) pH 1.0 - 12.0 222221

Comments

Sample Receipt Summary 112723 EK

Technician: ZANEB

Date: 8/22/2024 9:00:00 AM

Reviewer: ZB

Date: 08/22/24

5.1
5

QC Evaluation: DOD QSM5.x Limits

Job Number: FC18258
Account: Ahtna Global, LLC
Project: Fort Ord Groundwater Monitoring
Collected: 08/20/24

QC Sample ID	CAS#	Analyte	Sample Type	Result Type	Result	Units	Limits
VN6710 SW846 8260D BY SIM							
VN6710-BS	56-23-5	Carbon Tetrachloride	BSP	REC	102	%	72-136
VN6710-BS	67-66-3	Chloroform	BSP	REC	104	%	79-124
VN6710-BS	75-35-4	1,1-Dichloroethylene	BSP	REC	102	%	71-131
VN6710-BS	540-59-0	1,2-Dichloroethene (total)	BSP	REC	108	%	79-121
VN6710-BS	75-09-2	Methylene Chloride	BSP	REC	140	%	74-124
VN6710-BS	127-18-4	Tetrachloroethylene	BSP	REC	118	%	74-129
VN6710-BS	79-01-6	Trichloroethylene	BSP	REC	108	%	79-123
VN6710-BS	75-01-4	Vinyl Chloride	BSP	REC	136	%	58-137
VN6710-BS	17060-07-0	1,2-Dichloroethane-D4	BSP	SURR	98	%	81-118
VN6710-BS	2037-26-5	Toluene-D8	BSP	SURR	106	%	89-112
FC18255-2MS*	56-23-5	Carbon Tetrachloride	MS	REC	96	%	72-136
FC18255-2MS*	67-66-3	Chloroform	MS	REC	119	%	79-124
FC18255-2MS*	75-35-4	1,1-Dichloroethylene	MS	REC	104	%	71-131
FC18255-2MS*	540-59-0	1,2-Dichloroethene (total)	MS	REC	114	%	79-121
FC18255-2MS*	75-09-2	Methylene Chloride	MS	REC	248	%	74-124
FC18255-2MS*	127-18-4	Tetrachloroethylene	MS	REC	121	%	74-129
FC18255-2MS*	79-01-6	Trichloroethylene	MS	REC	98	%	79-123
FC18255-2MS*	75-01-4	Vinyl Chloride	MS	REC	144	%	58-137
FC18255-2MS*	17060-07-0	1,2-Dichloroethane-D4	MS	SURR	105	%	81-118
FC18255-2MS*	2037-26-5	Toluene-D8	MS	SURR	104	%	89-112
FC18255-2MSD*	56-23-5	Carbon Tetrachloride	MSD	REC	97	%	72-136
FC18255-2MSD*	56-23-5	Carbon Tetrachloride	MSD	RPD	1	%	20
FC18255-2MSD*	67-66-3	Chloroform	MSD	REC	113	%	79-124
FC18255-2MSD*	67-66-3	Chloroform	MSD	RPD	6	%	20
FC18255-2MSD*	75-35-4	1,1-Dichloroethylene	MSD	REC	100	%	71-131
FC18255-2MSD*	75-35-4	1,1-Dichloroethylene	MSD	RPD	3	%	20
FC18255-2MSD*	540-59-0	1,2-Dichloroethene (total)	MSD	REC	111	%	79-121
FC18255-2MSD*	540-59-0	1,2-Dichloroethene (total)	MSD	RPD	2	%	20
FC18255-2MSD*	75-09-2	Methylene Chloride	MSD	REC	257	%	74-124
FC18255-2MSD*	75-09-2	Methylene Chloride	MSD	RPD	3	%	20
FC18255-2MSD*	127-18-4	Tetrachloroethylene	MSD	REC	100	%	74-129
FC18255-2MSD*	127-18-4	Tetrachloroethylene	MSD	RPD	19	%	20
FC18255-2MSD*	79-01-6	Trichloroethylene	MSD	REC	91	%	79-123
FC18255-2MSD*	79-01-6	Trichloroethylene	MSD	RPD	5	%	20
FC18255-2MSD*	75-01-4	Vinyl Chloride	MSD	REC	139	%	58-137
FC18255-2MSD*	75-01-4	Vinyl Chloride	MSD	RPD	3	%	20
FC18255-2MSD*	17060-07-0	1,2-Dichloroethane-D4	MSD	SURR	102	%	81-118
FC18255-2MSD*	2037-26-5	Toluene-D8	MSD	SURR	91	%	89-112
VN6710-MB	17060-07-0	1,2-Dichloroethane-D4	MB	SURR	104	%	81-118
VN6710-MB	2037-26-5	Toluene-D8	MB	SURR	105	%	89-112
FC18258-1	17060-07-0	1,2-Dichloroethane-D4	SAMP	SURR	104	%	81-118
FC18258-1	2037-26-5	Toluene-D8	SAMP	SURR	107	%	89-112

* Sample used for QC is not from job FC18258

5.2
5

QC Evaluation: DOD QSM5.x Limits

Job Number: FC18258
Account: Ahtna Global, LLC
Project: Fort Ord Groundwater Monitoring
Collected: 08/20/24

QC Sample ID	CAS#	Analyte	Sample Type	Result Type	Result	Units	Limits
FC18258-2	17060-07-0	1,2-Dichloroethane-D4	SAMP	SURR	112	%	81-118
FC18258-2	2037-26-5	Toluene-D8	SAMP	SURR	105	%	89-112
FC18258-3	17060-07-0	1,2-Dichloroethane-D4	SAMP	SURR	112	%	81-118
FC18258-3	2037-26-5	Toluene-D8	SAMP	SURR	105	%	89-112
VZ3085 SW846 8260D BY SIM							
VZ3085-BS	56-23-5	Carbon Tetrachloride	BSP	REC	96	%	72-136
VZ3085-BS	67-66-3	Chloroform	BSP	REC	100	%	79-124
VZ3085-BS	75-35-4	1,1-Dichloroethylene	BSP	REC	100	%	71-131
VZ3085-BS	540-59-0	1,2-Dichloroethene (total)	BSP	REC	103	%	79-121
VZ3085-BS	75-09-2	Methylene Chloride	BSP	REC	114	%	74-124
VZ3085-BS	127-18-4	Tetrachloroethylene	BSP	REC	102	%	74-129
VZ3085-BS	79-01-6	Trichloroethylene	BSP	REC	104	%	79-123
VZ3085-BS	75-01-4	Vinyl Chloride	BSP	REC	82	%	58-137
VZ3085-BS	17060-07-0	1,2-Dichloroethane-D4	BSP	SURR	97	%	81-118
VZ3085-BS	2037-26-5	Toluene-D8	BSP	SURR	99	%	89-112
FC18258-5MS	56-23-5	Carbon Tetrachloride	MS	REC	92	%	72-136
FC18258-5MS	67-66-3	Chloroform	MS	REC	98	%	79-124
FC18258-5MS	75-35-4	1,1-Dichloroethylene	MS	REC	106	%	71-131
FC18258-5MS	540-59-0	1,2-Dichloroethene (total)	MS	REC	104	%	79-121
FC18258-5MS	75-09-2	Methylene Chloride	MS	REC	146	%	74-124
FC18258-5MS	127-18-4	Tetrachloroethylene	MS	REC	89	%	74-129
FC18258-5MS	79-01-6	Trichloroethylene	MS	REC	97	%	79-123
FC18258-5MS	75-01-4	Vinyl Chloride	MS	REC	82	%	58-137
FC18258-5MS	17060-07-0	1,2-Dichloroethane-D4	MS	SURR	106	%	81-118
FC18258-5MS	2037-26-5	Toluene-D8	MS	SURR	97	%	89-112
FC18258-5MSD	56-23-5	Carbon Tetrachloride	MSD	REC	87	%	72-136
FC18258-5MSD	56-23-5	Carbon Tetrachloride	MSD	RPD	5	%	20
FC18258-5MSD	67-66-3	Chloroform	MSD	REC	92	%	79-124
FC18258-5MSD	67-66-3	Chloroform	MSD	RPD	5	%	20
FC18258-5MSD	75-35-4	1,1-Dichloroethylene	MSD	REC	100	%	71-131
FC18258-5MSD	75-35-4	1,1-Dichloroethylene	MSD	RPD	5	%	20
FC18258-5MSD	540-59-0	1,2-Dichloroethene (total)	MSD	REC	98	%	79-121
FC18258-5MSD	540-59-0	1,2-Dichloroethene (total)	MSD	RPD	5	%	20
FC18258-5MSD	75-09-2	Methylene Chloride	MSD	REC	132	%	74-124
FC18258-5MSD	75-09-2	Methylene Chloride	MSD	RPD	9	%	20
FC18258-5MSD	127-18-4	Tetrachloroethylene	MSD	REC	85	%	74-129
FC18258-5MSD	127-18-4	Tetrachloroethylene	MSD	RPD	5	%	20
FC18258-5MSD	79-01-6	Trichloroethylene	MSD	REC	91	%	79-123
FC18258-5MSD	79-01-6	Trichloroethylene	MSD	RPD	6	%	20
FC18258-5MSD	75-01-4	Vinyl Chloride	MSD	REC	84	%	58-137
FC18258-5MSD	75-01-4	Vinyl Chloride	MSD	RPD	3	%	20
FC18258-5MSD	17060-07-0	1,2-Dichloroethane-D4	MSD	SURR	103	%	81-118
FC18258-5MSD	2037-26-5	Toluene-D8	MSD	SURR	97	%	89-112

* Sample used for QC is not from job FC18258

5.2
5

QC Evaluation: DOD QSM5.x Limits

Job Number: FC18258
Account: Ahtna Global, LLC
Project: Fort Ord Groundwater Monitoring
Collected: 08/20/24

QC Sample ID	CAS#	Analyte	Sample Type	Result Type	Result	Units	Limits
VZ3085-MB	17060-07-0	1,2-Dichloroethane-D4	MB	SURR	102	%	81-118
VZ3085-MB	2037-26-5	Toluene-D8	MB	SURR	98	%	89-112
FC18258-4	17060-07-0	1,2-Dichloroethane-D4	SAMP	SURR	102	%	81-118
FC18258-4	2037-26-5	Toluene-D8	SAMP	SURR	98	%	89-112
FC18258-5	17060-07-0	1,2-Dichloroethane-D4	SAMP	SURR	104	%	81-118
FC18258-5	2037-26-5	Toluene-D8	SAMP	SURR	98	%	89-112
FC18258-6	17060-07-0	1,2-Dichloroethane-D4	SAMP	SURR	105	%	81-118
FC18258-6	2037-26-5	Toluene-D8	SAMP	SURR	98	%	89-112
FC18258-7	17060-07-0	1,2-Dichloroethane-D4	SAMP	SURR	106	%	81-118
FC18258-7	2037-26-5	Toluene-D8	SAMP	SURR	98	%	89-112
FC18258-8	17060-07-0	1,2-Dichloroethane-D4	SAMP	SURR	104	%	81-118
FC18258-8	2037-26-5	Toluene-D8	SAMP	SURR	98	%	89-112
FC18258-9	17060-07-0	1,2-Dichloroethane-D4	SAMP	SURR	105	%	81-118
FC18258-9	2037-26-5	Toluene-D8	SAMP	SURR	98	%	89-112
FC18258-10	17060-07-0	1,2-Dichloroethane-D4	SAMP	SURR	110	%	81-118
FC18258-10	2037-26-5	Toluene-D8	SAMP	SURR	96	%	89-112

5.2
5

* Sample used for QC is not from job FC18258

MS Volatiles

QC Data Summaries

Includes the following where applicable:

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

Method Blank Summary

Job Number: FC18258
Account: AHTNACAS Ahtna Global, LLC
Project: Fort Ord Groundwater Monitoring

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VN6710-MB	N0132317.D	1	08/28/24	JW	n/a	n/a	VN6710

The QC reported here applies to the following samples:

Method: SW846 8260D BY SIM

FC18258-1, FC18258-2, FC18258-3

CAS No.	Compound	Result	RL	MDL	Units	Q
56-23-5	Carbon Tetrachloride	ND	0.50	0.10	ug/l	
67-66-3	Chloroform	ND	0.50	0.10	ug/l	
75-35-4	1,1-Dichloroethylene	ND	0.50	0.10	ug/l	
540-59-0	1,2-Dichloroethene (total)	ND	0.50	0.10	ug/l	
75-09-2	Methylene Chloride	1.1	2.0	0.50	ug/l	JB
127-18-4	Tetrachloroethylene	ND	0.50	0.10	ug/l	
79-01-6	Trichloroethylene	ND	0.50	0.10	ug/l	
75-01-4	Vinyl Chloride	ND	0.10	0.050	ug/l	

CAS No.	Surrogate Recoveries	Limits	
17060-07-0	1,2-Dichloroethane-D4	104%	74-125%
2037-26-5	Toluene-D8	105%	88-111%

Method Blank Summary

Job Number: FC18258
Account: AHTNACAS Ahtna Global, LLC
Project: Fort Ord Groundwater Monitoring

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VZ3085-MB	Z76616.D	1	08/28/24	CS	n/a	n/a	VZ3085

The QC reported here applies to the following samples:

Method: SW846 8260D BY SIM

FC18258-4, FC18258-5, FC18258-6, FC18258-7, FC18258-8, FC18258-9, FC18258-10

CAS No.	Compound	Result	RL	MDL	Units	Q
56-23-5	Carbon Tetrachloride	ND	0.50	0.10	ug/l	
67-66-3	Chloroform	ND	0.50	0.10	ug/l	
75-35-4	1,1-Dichloroethylene	ND	0.50	0.10	ug/l	
540-59-0	1,2-Dichloroethene (total)	ND	0.50	0.10	ug/l	
75-09-2	Methylene Chloride	0.53	2.0	0.50	ug/l	J
127-18-4	Tetrachloroethylene	ND	0.50	0.10	ug/l	
79-01-6	Trichloroethylene	ND	0.50	0.10	ug/l	
75-01-4	Vinyl Chloride	ND	0.10	0.050	ug/l	

CAS No.	Surrogate Recoveries	Limits	
17060-07-0	1,2-Dichloroethane-D4	102%	74-125%
2037-26-5	Toluene-D8	98%	88-111%

Blank Spike Summary

Job Number: FC18258
Account: AHTNACAS Ahtna Global, LLC
Project: Fort Ord Groundwater Monitoring

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VN6710-BS	N0132315.D	1	08/28/24	JW	n/a	n/a	VN6710

The QC reported here applies to the following samples:

Method: SW846 8260D BY SIM

FC18258-1, FC18258-2, FC18258-3

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
56-23-5	Carbon Tetrachloride	5	5.1	102	76-136
67-66-3	Chloroform	5	5.2	104	80-124
75-35-4	1,1-Dichloroethylene	5	5.1	102	78-137
540-59-0	1,2-Dichloroethene (total)	10	10.8	108	76-127
75-09-2	Methylene Chloride	5	7.0	140*	69-135
127-18-4	Tetrachloroethylene	5	5.9	118	76-135
79-01-6	Trichloroethylene	5	5.4	108	81-126
75-01-4	Vinyl Chloride	5	6.8	136	69-159

CAS No.	Surrogate Recoveries	BSP	Limits
17060-07-0	1,2-Dichloroethane-D4	98%	74-125%
2037-26-5	Toluene-D8	106%	88-111%

* = Outside of Control Limits.

Blank Spike Summary

Job Number: FC18258
Account: AHTNACAS Ahtna Global, LLC
Project: Fort Ord Groundwater Monitoring

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VZ3085-BS	Z76614.D	1	08/28/24	CS	n/a	n/a	VZ3085

The QC reported here applies to the following samples:

Method: SW846 8260D BY SIM

FC18258-4, FC18258-5, FC18258-6, FC18258-7, FC18258-8, FC18258-9, FC18258-10

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
56-23-5	Carbon Tetrachloride	5	4.8	96	76-136
67-66-3	Chloroform	5	5.0	100	80-124
75-35-4	1,1-Dichloroethylene	5	5.0	100	78-137
540-59-0	1,2-Dichloroethene (total)	10	10.3	103	76-127
75-09-2	Methylene Chloride	5	5.7	114	69-135
127-18-4	Tetrachloroethylene	5	5.1	102	76-135
79-01-6	Trichloroethylene	5	5.2	104	81-126
75-01-4	Vinyl Chloride	5	4.1	82	69-159

CAS No.	Surrogate Recoveries	BSP	Limits
17060-07-0	1,2-Dichloroethane-D4	97%	74-125%
2037-26-5	Toluene-D8	99%	88-111%

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: FC18258
Account: AHTNACAS Ahtna Global, LLC
Project: Fort Ord Groundwater Monitoring

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
FC18255-2MS	N0132338.D	5	08/28/24	JW	n/a	n/a	VN6710
FC18255-2MSD	N0132339.D	5	08/28/24	JW	n/a	n/a	VN6710
FC18255-2	N0132321.D	1	08/28/24	JW	n/a	n/a	VN6710

The QC reported here applies to the following samples:

Method: SW846 8260D BY SIM

FC18258-1, FC18258-2, FC18258-3

CAS No.	Compound	FC18255-2 ug/l	Spike Q	MS ug/l	MS %	Spike ug/l	MSD ug/l	MSD %	RPD	Limits Rec/RPD	
56-23-5	Carbon Tetrachloride	0.50 U		25	24.0	96	25	24.2	97	1	76-136/23
67-66-3	Chloroform	0.25	J	25	30.1	119	25	28.4	113	6	80-124/15
75-35-4	1,1-Dichloroethylene	0.50 U		25	25.9	104	25	25.1	100	3	78-137/18
540-59-0	1,2-Dichloroethene (total)	0.87		50	57.8	114	50	56.4	111	2	76-127/17
75-09-2	Methylene Chloride	1.0	JB	25	63.0	248*	25	65.2	257*	3	69-135/16
127-18-4	Tetrachloroethylene	1.1		25	31.4	121	25	26.0	100	19*	76-135/16
79-01-6	Trichloroethylene	8.4		25	32.8	98	25	31.2	91	5	81-126/15
75-01-4	Vinyl Chloride	0.10 U		25	35.9	144	25	34.7	139	3	69-159/18

CAS No.	Surrogate Recoveries	MS	MSD	FC18255-2	Limits
17060-07-0	1,2-Dichloroethane-D4	105%	102%	108%	74-125%
2037-26-5	Toluene-D8	104%	91%	105%	88-111%

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: FC18258
Account: AHTNACAS Ahtna Global, LLC
Project: Fort Ord Groundwater Monitoring

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
FC18258-5MS	Z76637.D	5	08/28/24	CS	n/a	n/a	VZ3085
FC18258-5MSD	Z76638.D	5	08/28/24	CS	n/a	n/a	VZ3085
FC18258-5	Z76618.D	1	08/28/24	CS	n/a	n/a	VZ3085

The QC reported here applies to the following samples:

Method: SW846 8260D BY SIM

FC18258-4, FC18258-5, FC18258-6, FC18258-7, FC18258-8, FC18258-9, FC18258-10

CAS No.	Compound	FC18258-5 ug/l	Spike Q ug/l	MS ug/l	MS %	Spike ug/l	MSD ug/l	MSD %	RPD	Limits Rec/RPD
56-23-5	Carbon Tetrachloride	0.50 U	25	23.0	92	25	21.8	87	5	76-136/23
67-66-3	Chloroform	0.50 U	25	24.4	98	25	23.1	92	5	80-124/15
75-35-4	1,1-Dichloroethylene	0.50 U	25	26.5	106	25	25.1	100	5	78-137/18
540-59-0	1,2-Dichloroethene (total)	0.16 J	50	52.0	104	50	49.3	98	5	76-127/17
75-09-2	Methylene Chloride	2.0 U	25	36.4	146*	25	33.1	132	9	69-135/16
127-18-4	Tetrachloroethylene	0.50 U	25	22.3	89	25	21.3	85	5	76-135/16
79-01-6	Trichloroethylene	0.67	25	25.0	97	25	23.5	91	6	81-126/15
75-01-4	Vinyl Chloride	0.10 U	25	20.4	82	25	21.1	84	3	69-159/18

CAS No.	Surrogate Recoveries	MS	MSD	FC18258-5	Limits
17060-07-0	1,2-Dichloroethane-D4	106%	103%	104%	74-125%
2037-26-5	Toluene-D8	97%	97%	98%	88-111%

* = Outside of Control Limits.

Instrument Performance Check (BFB)

Job Number: FC18258
Account: AHTNACAS Ahtna Global, LLC
Project: Fort Ord Groundwater Monitoring

Sample: VN6705-BFB	Injection Date: 08/20/24
Lab File ID: N0132197.D	Injection Time: 09:04
Instrument ID: GCMSN	

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance	Pass/Fail
95	Base peak, 100% relative abundance	28939	100.0	Pass
96	5.0 - 9.0% of mass 95	1718	5.94	Pass
173	Less than 2.0% of mass 174	120	0.41 (0.48) ^a	Pass
174	50.0 - 200.0% of mass 95	24867	85.9	Pass
175	5.0 - 9.0% of mass 174	1811	6.26 (7.28) ^a	Pass
176	95.0 - 105.0% of mass 174	24459	84.5 (98.4) ^a	Pass
177	5.0 - 10.0% of mass 176	1743	6.02 (7.13) ^b	Pass

(a) Value is % of mass 174

(b) Value is % of mass 176

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

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
VN6705-IC6705	N0132200.D	08/20/24	10:17	01:13	Initial cal 3
VN6705-IC6705	N0132201.D	08/20/24	10:41	01:37	Initial cal 4
VN6705-ICC6705	N0132202.D	08/20/24	11:04	02:00	Initial cal 5
VN6705-IC6705	N0132203.D	08/20/24	11:28	02:24	Initial cal 6
VN6705-IC6705	N0132204.D	08/20/24	11:51	02:47	Initial cal 7
VN6705-IC6705	N0132207.D	08/20/24	13:05	04:01	Initial cal 1
VN6705-IC6705	N0132208.D	08/20/24	13:28	04:24	Initial cal 2
VN6705-ICV6705	N0132209.D	08/20/24	13:52	04:48	Initial cal verification 5

Instrument Performance Check (BFB)

Job Number: FC18258
Account: AHTNACAS Ahtna Global, LLC
Project: Fort Ord Groundwater Monitoring

Sample: VN6710-BFB	Injection Date: 08/28/24
Lab File ID: N0132313.D	Injection Time: 08:53
Instrument ID: GCMSN	

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance	Pass/Fail
95	Base peak, 100% relative abundance	42992	100.0	Pass
96	5.0 - 9.0% of mass 95	3184	7.41	Pass
173	Less than 2.0% of mass 174	240	0.56 (0.68) ^a	Pass
174	50.0 - 200.0% of mass 95	35437	82.4	Pass
175	5.0 - 9.0% of mass 174	2706	6.29 (7.64) ^a	Pass
176	95.0 - 105.0% of mass 174	35176	81.8 (99.3) ^a	Pass
177	5.0 - 10.0% of mass 176	2178	5.07 (6.19) ^b	Pass

(a) Value is % of mass 174

(b) Value is % of mass 176

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

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
VN6710-CC6705	N0132314.D	08/28/24	09:18	00:25	Continuing cal 5
VN6710-BS	N0132315.D	08/28/24	09:43	00:50	Blank Spike
VN6710-MB	N0132317.D	08/28/24	10:32	01:39	Method Blank
FC18258-1	N0132318.D	08/28/24	10:56	02:03	2434W0BW219A
ZZZZZZ	N0132319.D	08/28/24	11:21	02:28	(unrelated sample)
ZZZZZZ	N0132320.D	08/28/24	11:45	02:52	(unrelated sample)
FC18255-2	N0132321.D	08/28/24	12:10	03:17	(used for QC only; not part of job FC18258)
ZZZZZZ	N0132322.D	08/28/24	12:35	03:42	(unrelated sample)
ZZZZZZ	N0132323.D	08/28/24	13:00	04:07	(unrelated sample)
ZZZZZZ	N0132324.D	08/28/24	13:25	04:32	(unrelated sample)
FC18258-2	N0132325.D	08/28/24	13:49	04:56	2434W0BW159F
FC18258-3	N0132326.D	08/28/24	14:14	05:21	2434W0BW174D
ZZZZZZ	N0132327.D	08/28/24	14:40	05:47	(unrelated sample)
ZZZZZZ	N0132328.D	08/28/24	15:05	06:12	(unrelated sample)
ZZZZZZ	N0132329.D	08/28/24	15:30	06:37	(unrelated sample)
ZZZZZZ	N0132330.D	08/28/24	15:55	07:02	(unrelated sample)
ZZZZZZ	N0132331.D	08/28/24	16:20	07:27	(unrelated sample)
ZZZZZZ	N0132332.D	08/28/24	16:46	07:53	(unrelated sample)
ZZZZZZ	N0132333.D	08/28/24	17:11	08:18	(unrelated sample)
ZZZZZZ	N0132334.D	08/28/24	17:36	08:43	(unrelated sample)
ZZZZZZ	N0132335.D	08/28/24	18:01	09:08	(unrelated sample)
ZZZZZZ	N0132336.D	08/28/24	18:26	09:33	(unrelated sample)
ZZZZZZ	N0132337.D	08/28/24	18:51	09:58	(unrelated sample)
FC18255-2MS	N0132338.D	08/28/24	19:16	10:23	Matrix Spike
FC18255-2MSD	N0132339.D	08/28/24	19:41	10:48	Matrix Spike Duplicate
VN6710-ECC6705	N0132340.D	08/28/24	20:06	11:13	Ending cal 5

Instrument Performance Check (BFB)

Job Number: FC18258
Account: AHTNACAS Ahtna Global, LLC
Project: Fort Ord Groundwater Monitoring

Sample: VZ3084-BFB	Injection Date: 08/28/24
Lab File ID: Z76601.D	Injection Time: 07:36
Instrument ID: GCMSZ	

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance	Pass/Fail
95	Base peak, 100% relative abundance	102783	100.0	Pass
96	5.0 - 9.0% of mass 95	7256	7.06	Pass
173	Less than 2.0% of mass 174	537	0.52 (0.64) ^a	Pass
174	50.0 - 200.0% of mass 95	84304	82.0	Pass
175	5.0 - 9.0% of mass 174	6173	6.01 (7.32) ^a	Pass
176	95.0 - 105.0% of mass 174	82709	80.5 (98.1) ^a	Pass
177	5.0 - 10.0% of mass 176	5685	5.53 (6.87) ^b	Pass

(a) Value is % of mass 174

(b) Value is % of mass 176

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

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
VZ3084-IC3084	Z76603.D	08/28/24	08:29	00:53	Initial cal 1
VZ3084-IC3084	Z76604.D	08/28/24	08:51	01:15	Initial cal 2
VZ3084-IC3084	Z76605.D	08/28/24	09:24	01:48	Initial cal 3
VZ3084-IC3084	Z76606.D	08/28/24	09:47	02:11	Initial cal 4
VZ3084-ICC3084	Z76607.D	08/28/24	10:10	02:34	Initial cal 5
VZ3084-IC3084	Z76608.D	08/28/24	10:33	02:57	Initial cal 6
VZ3084-IC3084	Z76609.D	08/28/24	10:57	03:21	Initial cal 7
VZ3084-ICV3084	Z76611.D	08/28/24	11:43	04:07	Initial cal verification 5

Instrument Performance Check (BFB)

Job Number: FC18258
Account: AHTNACAS Ahtna Global, LLC
Project: Fort Ord Groundwater Monitoring

Sample: VZ3085-BFB	Injection Date: 08/28/24
Lab File ID: Z76612.D	Injection Time: 12:22
Instrument ID: GCMSZ	

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance	Pass/Fail
95	Base peak, 100% relative abundance	122187	100.0	Pass
96	5.0 - 9.0% of mass 95	8245	6.75	Pass
173	Less than 2.0% of mass 174	649	0.53 (0.67) ^a	Pass
174	50.0 - 200.0% of mass 95	96469	79.0	Pass
175	5.0 - 9.0% of mass 174	6988	5.72 (7.24) ^a	Pass
176	95.0 - 105.0% of mass 174	94432	77.3 (97.9) ^a	Pass
177	5.0 - 10.0% of mass 176	6384	5.22 (6.76) ^b	Pass

(a) Value is % of mass 174

(b) Value is % of mass 176

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

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
VZ3085-CC3084	Z76613.D	08/28/24	12:48	00:26	Continuing cal 5
VZ3085-BS	Z76614.D	08/28/24	13:18	00:56	Blank Spike
VZ3085-MB	Z76616.D	08/28/24	14:18	01:56	Method Blank
FC18258-4	Z76617.D	08/28/24	14:55	02:33	2434W0BW202C
FC18258-5	Z76618.D	08/28/24	15:19	02:57	2434W0BW155F
ZZZZZZ	Z76619.D	08/28/24	15:42	03:20	(unrelated sample)
FC18258-10	Z76620.D	08/28/24	16:05	03:43	24340BWX191C
ZZZZZZ	Z76621.D	08/28/24	16:28	04:06	(unrelated sample)
FC18258-6	Z76622.D	08/28/24	16:51	04:29	2434W0BW153F
FC18258-7	Z76623.D	08/28/24	17:15	04:53	2434W0BW154F
FC18258-8	Z76624.D	08/28/24	17:38	05:16	2434X0BW043F
FC18258-9	Z76625.D	08/28/24	18:01	05:39	2434X0BW186F
ZZZZZZ	Z76626.D	08/28/24	18:24	06:02	(unrelated sample)
ZZZZZZ	Z76627.D	08/28/24	18:47	06:25	(unrelated sample)
ZZZZZZ	Z76628.D	08/28/24	19:10	06:48	(unrelated sample)
ZZZZZZ	Z76629.D	08/28/24	19:33	07:11	(unrelated sample)
ZZZZZZ	Z76630.D	08/28/24	19:56	07:34	(unrelated sample)
ZZZZZZ	Z76631.D	08/28/24	20:20	07:58	(unrelated sample)
ZZZZZZ	Z76632.D	08/28/24	20:43	08:21	(unrelated sample)
ZZZZZZ	Z76633.D	08/28/24	21:06	08:44	(unrelated sample)
ZZZZZZ	Z76634.D	08/28/24	21:29	09:07	(unrelated sample)
ZZZZZZ	Z76635.D	08/28/24	21:52	09:30	(unrelated sample)
ZZZZZZ	Z76636.D	08/28/24	22:15	09:53	(unrelated sample)
FC18258-5MS	Z76637.D	08/28/24	22:38	10:16	Matrix Spike
FC18258-5MSD	Z76638.D	08/28/24	23:01	10:39	Matrix Spike Duplicate
VZ3085-ECC3084	Z76639.D	08/28/24	23:24	11:02	Ending cal 5

Internal Standard Area Summary

Job Number: FC18258
Account: AHTNACAS Ahtna Global, LLC
Project: Fort Ord Groundwater Monitoring

Check Std: VN6710-CC6705	Injection Date: 08/28/24
Lab File ID: N0132314.D	Injection Time: 09:18
Instrument ID: GCMSN	Method: SW846 8260D BY SIM

	IS 1 AREA	RT	IS 2 AREA	RT
Initial Cal ^a	57601	6.34	36791	9.51
Check Std ^b	57946	6.33	37980	9.51
Upper Limit ^c	115892	6.50	75960	9.68
Lower Limit ^d	28973	6.16	18990	9.34

Lab Sample ID	IS 1 AREA	RT	IS 2 AREA	RT
VN6710-BS	56392	6.34	34753	9.51
VN6710-MB	47341	6.34	30013	9.51
FC18258-1	46308	6.34	28747	9.52
ZZZZZZ	45135	6.34	28259	9.52
ZZZZZZ	44264	6.34	28002	9.51
FC18255-2	43616	6.34	27624	9.51
ZZZZZZ	43526	6.34	27449	9.52
ZZZZZZ	42603	6.34	27083	9.51
ZZZZZZ	41812	6.34	26484	9.51
FC18258-2	41051	6.34	26325	9.52
FC18258-3	41268	6.34	26408	9.52
ZZZZZZ	41374	6.34	26427	9.51
ZZZZZZ	40840	6.34	25873	9.52
ZZZZZZ	39854	6.34	25343	9.52
ZZZZZZ	40861	6.34	25846	9.52
ZZZZZZ	40075	6.34	25422	9.52
ZZZZZZ	40387	6.34	25813	9.52
ZZZZZZ	39765	6.34	25217	9.52
ZZZZZZ	40127	6.34	25298	9.51
ZZZZZZ	41128	6.34	25841	9.52
ZZZZZZ	40445	6.34	25319	9.51
ZZZZZZ	40366	6.34	25834	9.52
FC18255-2MS	46514	6.34	29231	9.51
FC18255-2MSD	49424	6.34	35151	9.51
VN6710-ECC670554621		6.34	35072	9.51

IS 1 = Fluorobenzene
IS 2 = Chlorobenzene-D5

- (a) Initial Cal is: VN6705-ICC6705 N0132202.D 08/20/24 11:04
- (b) Check Std Limit = -50 to + 100% of initial cal area.
- (c) Upper Limit = + 100% of check standard area; Retention time + 0.167 minutes.
- (d) Lower Limit = -50% of check standard area; Retention time -0.167 minutes.

6.5.1
6

Internal Standard Area Summary

Job Number: FC18258
Account: AHTNACAS Ahtna Global, LLC
Project: Fort Ord Groundwater Monitoring

Check Std: VZ3085-CC3084	Injection Date: 08/28/24
Lab File ID: Z76613.D	Injection Time: 12:48
Instrument ID: GCMSZ	Method: SW846 8260D BY SIM

	IS 1 AREA	RT	IS 2 AREA	RT
Initial Cal ^a	18387	7.89	18425	10.98
Check Std ^b	19395	7.89	19594	10.98
Upper Limit ^c	38790	8.06	39188	11.15
Lower Limit ^d	9698	7.72	9797	10.81

Lab Sample ID	IS 1 AREA	RT	IS 2 AREA	RT
VZ3085-BS	19562	7.89	20179	10.98
VZ3085-MB	19448	7.89	20757	10.98
FC18258-4	18909	7.89	20095	10.98
FC18258-5	19692	7.89	21072	10.98
ZZZZZZ	19133	7.89	20532	10.98
FC18258-10	19700	7.89	20317	10.98
ZZZZZZ	20403	7.89	21879	10.98
FC18258-6	19799	7.89	21209	10.98
FC18258-7	19896	7.89	21523	10.98
FC18258-8	19567	7.89	21111	10.98
FC18258-9	19474	7.89	21082	10.98
ZZZZZZ	19771	7.89	21457	10.98
ZZZZZZ	19697	7.89	21281	10.98
ZZZZZZ	20323	7.90	22086	10.98
ZZZZZZ	20039	7.90	21855	10.98
ZZZZZZ	20038	7.89	21719	10.98
ZZZZZZ	20168	7.89	21807	10.98
ZZZZZZ	20064	7.89	21682	10.98
ZZZZZZ	19789	7.89	21415	10.98
ZZZZZZ	20204	7.89	22140	10.98
ZZZZZZ	19723	7.89	21678	10.98
ZZZZZZ	20563	7.89	22580	10.98
FC18258-5MS	20699	7.89	22181	10.98
FC18258-5MSD	21102	7.89	22500	10.98
VZ3085-ECC308421550		7.89	22349	10.98

IS 1 = Fluorobenzene
IS 2 = Chlorobenzene-D5

- (a) Initial Cal is: VZ3084-ICC3084 Z76607.D 08/28/24 10:10
- (b) Check Std Limit = -50 to + 100% of initial cal area.
- (c) Upper Limit = + 100% of check standard area; Retention time + 0.167 minutes.
- (d) Lower Limit = -50% of check standard area; Retention time -0.167 minutes.

Initial Calibration Summary

Job Number: FC18258
Account: AHTNACAS Ahtna Global, LLC
Project: Fort Ord Groundwater Monitoring

Sample: VN6705-ICC6705
Lab FileID: N0132202.D

Response Factor Report MSVOA6-N

Method : C:\msdchem\1\met..._VN6705_082024.M (RTE Integrator)
 Title : Standard Methods 6200B
 Last Update : Tue Aug 20 14:01:28 2024
 Response via : Initial Calibration

Calibration Files

1 =N0132207.D 2 =N0132208.D 3 =N0132200.D 4 =N0132201.D
 5 =N0132202.D 6 =N0132203.D 7 =N0132204.D

Compound	1	2	3	4	5	6	7	Avg	%RSD
1) I Fluorobenzene	-----ISTD-----								
2) Vinyl Chloride	0.524	0.203	0.123	0.115	0.109	0.111	0.105	0.184	83.41
	---- Linear regr., Force(0,0) ---- Coefficient = 0.9993								
	Response Ratio = 0.00000 + 0.11062 *A								
3) Chloromethane	0.373	0.193	0.164	0.149	0.144	0.136	0.193	46.88	
	---- Linear regr., Force(0,0) ---- Coefficient = 0.9990								
	Response Ratio = 0.00000 + 0.14771 *A								
4) 1,1-Dichloroethen	0.184	0.146	0.144	0.137	0.136	0.135	0.147	12.46	
5) Methylene Chlorid		0.280	0.215	0.185	0.172	0.165	0.204	23.15	
	---- Quadratic regr., Force(0,0) ---- Coefficient = 0.9927								
	Response Ratio = 0.00000 + 0.23670 *A + -0.01952 *A^2								
6) trans-1,2-Dichlor	0.152	0.118	0.119	0.116	0.116	0.116	0.123	11.71	
7) 1,1-Dichloroethan	0.199	0.168	0.165	0.156	0.152	0.149	0.165	11.13	
8) cis-1,2-Dichloroe	0.092	0.069	0.069	0.066	0.067	0.068	0.072	13.85	
9) Chloroform	0.311	0.197	0.172	0.154	0.149	0.145	0.188	33.73	
	---- Quadratic regr., Force(0,0) ---- Coefficient = 0.9968								
	Response Ratio = 0.00000 + 0.18931 *A + -0.01236 *A^2								
10) Carbon Tetrachlor	0.093	0.071	0.074	0.070	0.070	0.071	0.075	12.09	
11) 1,1,1-Trichloroet	0.133	0.104	0.104	0.099	0.100	0.099	0.106	12.29	
12) Benzene	0.338	0.258	0.259	0.249	0.249	0.250	0.267	13.14	
13)S 1,2-Dichloroethan	0.436	0.438	0.464	0.438	0.419	0.414	0.401	4.75	
14) 1,2-Dichloroethan	0.143	0.130	0.129	0.122	0.118	0.115	0.126	8.10	
15) Trichloroethene	0.097	0.070	0.071	0.070	0.071	0.071	0.075	13.97	
16) 1,2-Dichloropropa	0.104	0.083	0.083	0.080	0.078	0.078	0.084	11.71	
17) cis-1,3-Dichlorop	0.069	0.056	0.064	0.067	0.071	0.074	0.067	9.18	
18) I Chlorobenzene-d5	-----ISTD-----								
19)S Toluene-d8	1.165	1.153	1.086	1.012	1.108	1.106	1.095	1.104	4.51
20) trans-1,3-Dichlor	0.068	0.070	0.087	0.105	0.111	0.116	0.093	22.28	
	---- Quadratic regr., Force(0,0) ---- Coefficient = 0.9983								
	Response Ratio = 0.00000 + 0.07956 *A + 0.00965 *A^2								
21) Tetrachloroethene	0.141	0.110	0.106	0.109	0.106	0.104	0.113	12.56	
22) 1,4-Dichlorobenze	0.326	0.233	0.231	0.254	0.248	0.241	0.256	13.89	
23) 1,2-Dibromo-3-Chl	0.039	0.022	0.018	0.021	0.021	0.021	0.024	31.24	
	---- Linear regr., Force(0,0) ---- Coefficient = 0.9956								
	Response Ratio = 0.00000 + 0.02093 *A								

(#) = Out of Range

Initial Calibration Verification

Job Number: FC18258
 Account: AHTNACAS Ahtna Global, LLC
 Project: Fort Ord Groundwater Monitoring

Sample: VN6705-ICV6705
 Lab FileID: N0132209.D

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\data\08-20-24\N0132209.D Vial: 13
 Acq On : 20 Aug 2024 1:52 pm Operator: jeniferw
 Sample : ICV6705-5 Inst : MSVOA6-N
 Misc : MS57318,VN6705,,,,, Multiplr: 1.00
 MS Integration Params: rteint.p

Method : C:\msdchem\1\met..._VN6705_082024.M (RTE Integrator)
 Title : Standard Methods 6200B
 Last Update : Tue Aug 20 14:01:28 2024
 Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1 I	Fluorobenzene	1.000	1.000	0.0	106	0.00	6.34
	----- Amount	Calc.	%Drift	-----			
2	Vinyl Chloride	10.000	8.338	16.6	89	0.00	2.06
3	Chloromethane	10.000	8.095	19.0	85	0.00	1.98
	----- AvgRF	CCRF	%Dev	-----			
4	1,1-Dichloroethene	0.147	0.153	-4.1	117	0.00	3.15
	----- Amount	Calc.	%Drift	-----			
5	Methylene Chloride	10.000	10.751	-7.5	120	0.00	3.71
	----- AvgRF	CCRF	%Dev	-----			
6	trans-1,2-Dichloroethene	0.123	0.132	-7.3	121	0.00	3.88
7	1,1-Dichloroethane	0.165	0.173	-4.8	118	0.00	4.49
8	cis-1,2-Dichloroethene	0.072	0.076	-5.6	120	0.00	5.04
	----- Amount	Calc.	%Drift	-----			
9	Chloroform	10.000	10.626	-6.3	119	0.00	5.30
	----- AvgRF	CCRF	%Dev	-----			
10	Carbon Tetrachloride	0.075	0.080	-6.7	121	0.00	5.47
11	1,1,1-Trichloroethane	0.106	0.116	-9.4	124	0.00	5.53
12	Benzene	0.267	0.286	-7.1	121	0.00	5.91
13 S	1,2-Dichloroethane-d4	0.430	0.408	5.1	103	0.00	6.04
14	1,2-Dichloroethane	0.126	0.139	-10.3	120	0.00	6.12
15	Trichloroethene	0.075	0.082	-9.3	124	0.00	6.53
16	1,2-Dichloropropane	0.084	0.091	-8.3	121	0.00	7.05
17	cis-1,3-Dichloropropene	0.067	0.076	-13.4	120	0.00	7.77
18 I	Chlorobenzene-d5	1.000	1.000	0.0	105	0.00	9.52
19 S	Toluene-d8	1.104	1.144	-3.6	108	0.00	7.95
	----- Amount	Calc.	%Drift	-----			
20	trans-1,3-Dichloropropene	10.000	10.987	-9.9	110	0.00	8.42
	----- AvgRF	CCRF	%Dev	-----			
21	Tetrachloroethene	0.113	0.131	-15.9	126	0.00	8.41
22	1,4-Dichlorobenzene	0.256	0.290	-13.3	119	0.00	11.91
	----- Amount	Calc.	%Drift	-----			
23	1,2-Dibromo-3-Chloropropa	10.000	10.883	-8.8	111	0.00	13.18

Continuing Calibration Summary

Job Number: FC18258
 Account: AHTNACAS Ahtna Global, LLC
 Project: Fort Ord Groundwater Monitoring

Sample: VN6710-CC6705
 Lab FileID: N0132314.D

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\data\08-28-24\N0132314.D Vial: 2
 Acq On : 28 Aug 2024 9:18 am Operator: jeniferw
 Sample : CC6705-5 Inst : MSVOA6-N
 Misc : MS57365,VN6710,,,,, Multiplr: 1.00
 MS Integration Params: rteint.p

Method : C:\msdchem\1\met..._VN6705_082024.M (RTE Integrator)
 Title : Standard Methods 6200B
 Last Update : Tue Aug 20 14:01:28 2024
 Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1 I	Fluorobenzene	1.000	1.000	0.0	101	0.00	6.33
	----- Amount	Calc.	%Drift	-----			
2	Vinyl Chloride	10.000	15.244	-52.4#	156	0.00	2.06
3	Chloromethane	10.000	11.912	-19.1	118	0.00	1.98
	----- AvgRF	CCRF	%Dev	-----			
4	1,1-Dichloroethene	0.147	0.137	6.8	101	0.00	3.15
	----- Amount	Calc.	%Drift	-----			
5	Methylene Chloride	10.000	11.241	-12.4	118	0.00	3.71
	----- AvgRF	CCRF	%Dev	-----			
6	trans-1,2-Dichloroethene	0.123	0.121	1.6	105	0.00	3.88
7	1,1-Dichloroethane	0.165	0.164	0.6	106	0.00	4.48
8	cis-1,2-Dichloroethene	0.072	0.072	0.0	110	0.00	5.04
	----- Amount	Calc.	%Drift	-----			
9	Chloroform	10.000	9.926	0.7	107	0.00	5.30
	----- AvgRF	CCRF	%Dev	-----			
10	Carbon Tetrachloride	0.075	0.065	13.3	94	0.00	5.47
11	1,1,1-Trichloroethane	0.106	0.101	4.7	103	0.00	5.52
12	Benzene	0.267	0.264	1.1	106	0.00	5.91
13 S	1,2-Dichloroethane-d4	0.430	0.415	3.5	100	0.00	6.04
14	1,2-Dichloroethane	0.126	0.123	2.4	101	0.00	6.12
15	Trichloroethene	0.075	0.074	1.3	106	0.00	6.53
16	1,2-Dichloropropane	0.084	0.082	2.4	104	0.00	7.05
17	cis-1,3-Dichloropropene	0.067	0.069	-3.0	104	0.00	7.76
18 I	Chlorobenzene-d5	1.000	1.000	0.0	103	0.00	9.51
19 S	Toluene-d8	1.104	1.106	-0.2	103	0.00	7.94
	----- Amount	Calc.	%Drift	-----			
20	trans-1,3-Dichloropropene	10.000	10.426	-4.3	102	0.00	8.42
	----- AvgRF	CCRF	%Dev	-----			
21	Tetrachloroethene	0.113	0.114	-0.9	108	0.00	8.41
22	1,4-Dichlorobenzene	0.256	0.270	-5.5	110	0.00	11.90
	----- Amount	Calc.	%Drift	-----			
23	1,2-Dibromo-3-Chloropropa	10.000	9.069	9.3	91	0.00	13.17

Continuing Calibration Summary

Job Number: FC18258
Account: AHTNACAS Ahtna Global, LLC
Project: Fort Ord Groundwater Monitoring

Sample: VN6710-CC6705
Lab FileID: N0132314.D

(#) = Out of Range SPCC's out = 0 CCC's out = 0
N0132202.D SIMCL_VN6705_082024.M Wed Aug 28 10:21:36 2024

Continuing Calibration Summary

Job Number: FC18258
 Account: AHTNACAS Ahtna Global, LLC
 Project: Fort Ord Groundwater Monitoring

Sample: VN6710-ECC6705
 Lab FileID: N0132340.D

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\data\08-28-24\N0132340.D Vial: 28
 Acq On : 28 Aug 2024 8:06 pm Operator: jeniferw
 Sample : ECC6705-5 Inst : MSVOA6-N
 Misc : MS57378,VN6710,,,,, Multiplr: 1.00
 MS Integration Params: rteint.p

Method : C:\msdchem\1\met..._VN6705_082024.M (RTE Integrator)
 Title : Standard Methods 6200B
 Last Update : Tue Aug 20 14:01:28 2024
 Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 50% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1 I	Fluorobenzene	1.000	1.000	0.0	95	0.00	6.34
	----- Amount	Calc.	%Drift	-----			
2	Vinyl Chloride	10.000	15.113	-51.1#	145	0.00	2.06
3	Chloromethane	10.000	12.309	-23.1	115	0.00	1.98
	----- AvgRF	CCRF	%Dev	-----			
4	1,1-Dichloroethene	0.147	0.137	6.8	95	0.00	3.15
	----- Amount	Calc.	%Drift	-----			
5	Methylene Chloride	10.000	20.888	-108.9#	166	0.00	3.71
	----- AvgRF	CCRF	%Dev	-----			
6	trans-1,2-Dichloroethene	0.123	0.121	1.6	99	0.00	3.88
7	1,1-Dichloroethane	0.165	0.166	-0.6	101	0.00	4.49
8	cis-1,2-Dichloroethene	0.072	0.071	1.4	102	0.00	5.04
	----- Amount	Calc.	%Drift	-----			
9	Chloroform	10.000	10.083	-0.8	102	0.00	5.30
	----- AvgRF	CCRF	%Dev	-----			
10	Carbon Tetrachloride	0.075	0.066	12.0	90	0.00	5.47
11	1,1,1-Trichloroethane	0.106	0.103	2.8	98	0.00	5.52
12	Benzene	0.267	0.269	-0.7	102	0.00	5.91
13 S	1,2-Dichloroethane-d4	0.430	0.434	-0.9	98	0.00	6.04
14	1,2-Dichloroethane	0.126	0.131	-4.0	101	0.00	6.12
15	Trichloroethene	0.075	0.075	0.0	102	0.00	6.53
16	1,2-Dichloropropane	0.084	0.084	0.0	100	0.00	7.05
17	cis-1,3-Dichloropropene	0.067	0.063	6.0	89	0.00	7.76
18 I	Chlorobenzene-d5	1.000	1.000	0.0	95	0.00	9.51
19 S	Toluene-d8	1.104	1.107	-0.3	95	0.00	7.94
	----- Amount	Calc.	%Drift	-----			
20	trans-1,3-Dichloropropene	10.000	9.670	3.3	86	0.00	8.42
	----- AvgRF	CCRF	%Dev	-----			
21	Tetrachloroethene	0.113	0.114	-0.9	99	0.00	8.41
22	1,4-Dichlorobenzene	0.256	0.276	-7.8	103	0.00	11.91
	----- Amount	Calc.	%Drift	-----			
23	1,2-Dibromo-3-Chloropropa	10.000	9.542	4.6	89	0.00	13.18

Initial Calibration Summary

Job Number: FC18258
Account: AHTNACAS Ahtna Global, LLC
Project: Fort Ord Groundwater Monitoring

Sample: VZ3084-ICC3084
Lab FileID: Z76607.D

Response Factor Report MSVOA15-Z

Method : C:\msdchem\1\met...MCL-08-28-2024.M (RTE Integrator)
 Title : Standard Methods 6200B
 Last Update : Wed Aug 28 11:30:23 2024
 Response via : Initial Calibration

Calibration Files

1 =Z76603.D 2 =Z76604.D 3 =Z76605.D 4 =Z76606.D
 5 =Z76607.D 6 =Z76608.D 7 =Z76609.D

Compound	1	2	3	4	5	6	7	Avg	%RSD

1) I Fluorobenzene	-----ISTD-----								
2) Vinyl Chloride	3.087	1.012	0.556	0.503	0.479	0.452	0.435	0.932	104.18
	---- Quadratic regr., Force(0,0) ---- Coefficient = 0.9993								
	Response Ratio = 0.00000 + 0.52615 *A + -0.02329 *A^2								
3) Chloromethane	2.523	0.959	0.605	0.563	0.550	0.521	0.500	0.889	83.00
	---- Quadratic regr., Force(0,0) ---- Coefficient = 0.9996								
	Response Ratio = 0.00000 + 0.59622 *A + -0.02423 *A^2								
4) 1,1-Dichloroethen	0.877	0.664	0.596	0.575	0.527	0.520	0.480	0.605	22.10
	---- Quadratic regr., Force(0,0) ---- Coefficient = 0.9995								
	Response Ratio = 0.00000 + 0.59770 *A + -0.02887 *A^2								
5) Methylene Chlorid	8.589	2.190	1.016	0.727	0.601	0.557	0.499	2.026	145.79
	---- Quadratic regr., Force(0,0) ---- Coefficient = 0.9956								
	Response Ratio = 0.00000 + 0.77053 *A + -0.06924 *A^2								
6) trans-1,2-Dichlor	0.751	0.607	0.568	0.547	0.508	0.507	0.469	0.565	16.55
	---- Quadratic regr., Force(0,0) ---- Coefficient = 0.9994								
	Response Ratio = 0.00000 + 0.56981 *A + -0.02450 *A^2								
7) 1,1-Dichloroethan	0.926	0.787	0.739	0.727	0.669	0.668	0.620	0.734	13.79
	---- Linear regr., Force(0,0) ---- Coefficient = 0.9968								
	Response Ratio = 0.00000 + 0.64509 *A								
8) cis-1,2-Dichloroe	0.659	0.467	0.453	0.442	0.411	0.412	0.382	0.461	19.94
	---- Quadratic regression ---- Coefficient = 0.9994								
	Response Ratio = 0.00106 + 0.45841 *A + -0.01862 *A^2								
9) Chloroform	1.108	0.825	1.049	0.868	0.757	0.739	0.679	0.861	18.78
	---- Quadratic regr., Force(0,0) ---- Coefficient = 0.9987								
	Response Ratio = 0.00000 + 0.89510 *A + -0.05419 *A^2								
10) Carbon Tetrachlor	0.917	0.701	0.694	0.622	0.554	0.546	0.503	0.648	21.66
	---- Quadratic regr., Force(0,0) ---- Coefficient = 0.9992								
	Response Ratio = 0.00000 + 0.66516 *A + -0.04150 *A^2								
11) 1,1,1-Trichloroet	1.142	0.759	0.771	0.707	0.620	0.626	0.579	0.743	25.57
	---- Quadratic regr., Force(0,0) ---- Coefficient = 0.9989								
	Response Ratio = 0.00000 + 0.71523 *A + -0.03354 *A^2								
12) Benzene	1.880	1.455	1.405	1.398	1.334	1.377	1.298	1.449	13.57
13)S 1,2-Dichloroethan	0.301	0.312	0.326	0.310	0.295	0.291	0.286	0.303	4.61
14) 1,2-Dichloroethan	0.711	0.552	0.544	0.540	0.497	0.498	0.462	0.543	14.82
	---- Quadratic regr., Force(0,0) ---- Coefficient = 0.9994								
	Response Ratio = 0.00000 + 0.55725 *A + -0.02314 *A^2								

6.7.5
6

Initial Calibration Summary

Job Number: FC18258
Account: AHTNACAS Ahtna Global, LLC
Project: Fort Ord Groundwater Monitoring

Sample: VZ3084-ICC3084
Lab FileID: Z76607.D

- 15) Trichloroethene 0.554 0.401 0.391 0.387 0.373 0.386 0.362 0.408 16.13
---- Quadratic regr., Force(0,0) ---- Coefficient = 0.9990
Response Ratio = 0.00000 + 0.40128 *A + -0.00897 *A^2
- 16) 1,2-Dichloropropa 0.511 0.390 0.383 0.391 0.371 0.381 0.355 0.397 12.96
17) cis-1,3-Dichlorop 0.837 0.597 0.596 0.606 0.584 0.605 0.566 0.627 14.91
---- Quadratic regr., Force(0,0) ---- Coefficient = 0.9990
Response Ratio = 0.00000 + 0.62772 *A + -0.01386 *A^2
- 18) I Chlorobenzene-d5 -----ISTD-----
19)S Toluene-d8 1.128 1.121 1.112 1.104 1.113 1.112 1.116 1.115 0.68
20) trans-1,3-Dichlor 0.802 0.511 0.514 0.521 0.525 0.563 0.536 0.567 18.51
---- Quadratic regr., Force(0,0) ---- Coefficient = 0.9986
Response Ratio = 0.00000 + 0.53685 *A + 0.00156 *A^2
- 21) Tetrachloroethene 0.673 0.431 0.384 0.373 0.362 0.375 0.356 0.422 26.88
---- Quadratic regr., Force(0,0) ---- Coefficient = 0.9992
Response Ratio = 0.00000 + 0.38455 *A + -0.00653 *A^2
- 22) 1,4-Dichlorobenze 1.466 0.855 0.839 0.874 0.856 0.886 0.827 0.943 24.54
---- Linear regr., Force(0,0) ---- Coefficient = 0.9981
Response Ratio = 0.00000 + 0.85017 *A
- 23) 1,2-Dibromo-3-Chl 0.276 0.129 0.115 0.118 0.109 0.111 0.104 0.137 44.85
---- Quadratic regr., Force(0,0) ---- Coefficient = 0.9993
Response Ratio = 0.00000 + 0.11991 *A + -0.00370 *A^2

(#) = Out of Range

SIMCL-08-28-2024.M

Wed Aug 28 12:39:52 2024

Initial Calibration Verification

Job Number: FC18258
Account: AHTNACAS Ahtna Global, LLC
Project: Fort Ord Groundwater Monitoring

Sample: VZ3084-ICV3084
Lab FileID: Z76611.D

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\data\082824\Z76611.D
 Acq On : 28 Aug 2024 11:43 am
 Sample : icv3084-5
 Misc : MS57344,VZ3084,,,,,
 MS Integration Params: micro.p
 Vial: 11
 Operator: claudias
 Inst : MSVOA15-Z
 Multiplr: 1.00

Method : C:\msdchem\1\met...MCL-08-28-2024.M (RTE Integrator)
 Title : Standard Methods 6200B
 Last Update : Wed Aug 28 11:30:23 2024
 Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 200%

Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1 I Fluorobenzene	1.000	1.000	0.0	104	0.00	7.89
----- Amount Calc. %Drift -----						
2 Vinyl Chloride	10.000	8.263	17.4	88	0.00	3.19
3 Chloromethane	10.000	8.151	18.5	86	0.00	3.13
4 1,1-Dichloroethene	10.000	10.149	-1.5	109	0.00	4.57
5 Methylene Chloride	10.000	10.019	-0.2	110	0.00	5.21
6 trans-1,2-Dichloroethene	10.000	10.428	-4.3	111	0.00	5.39
7 1,1-Dichloroethane	10.000	10.758	-7.6	108	0.00	6.06
8 cis-1,2-Dichloroethene	10.000	10.302	-3.0	110	0.00	6.62
9 Chloroform	10.000	9.932	0.7	108	0.00	6.88
10 Carbon Tetrachloride	10.000	9.924	0.8	109	0.00	7.05
11 1,1,1-Trichloroethane	10.000	10.210	-2.1	111	0.00	7.13
----- AvgRF CCRF %Dev -----						
12 Benzene	1.449	1.430	1.3	112	0.00	7.49
13 S 1,2-Dichloroethane-d4	0.303	0.292	3.6	103	0.00	7.63
----- Amount Calc. %Drift -----						
14 1,2-Dichloroethane	10.000	10.396	-4.0	111	0.00	7.70
15 Trichloroethene	10.000	10.628	-6.3	114	0.00	8.06
----- AvgRF CCRF %Dev -----						
16 1,2-Dichloropropane	0.397	0.400	-0.8	113	0.00	8.59
----- Amount Calc. %Drift -----						
17 cis-1,3-Dichloropropene	10.000	10.097	-1.0	108	0.00	9.24
----- AvgRF CCRF %Dev -----						
18 I Chlorobenzene-d5	1.000	1.000	0.0	104	0.00	10.98
19 S Toluene-d8	1.115	1.111	0.4	103	0.00	9.43
----- Amount Calc. %Drift -----						
20 trans-1,3-Dichloropropene	10.000	9.423	5.8	101	0.00	9.87
21 Tetrachloroethene	10.000	10.507	-5.1	112	0.00	9.87
22 1,4-Dichlorobenzene	10.000	10.637	-6.4	110	0.00	13.35
23 1,2-Dibromo-3-Chloropropa	10.000	10.154	-1.5	108	0.00	14.52

(#) = Out of Range

SPCC's out = 0 CCC's out = 0



6.7.6
6

Initial Calibration Verification

Job Number: FC18258
Account: AHTNACAS Ahtna Global, LLC
Project: Fort Ord Groundwater Monitoring

Sample: VZ3084-ICV3084
Lab FileID: Z76611.D

Z76607.D SIMCL-08-28-2024.M

Wed Aug 28 12:39:18 2024

Continuing Calibration Summary

Job Number: FC18258
 Account: AHTNACAS Ahtna Global, LLC
 Project: Fort Ord Groundwater Monitoring

Sample: VZ3085-CC3084
 Lab FileID: Z76613.D

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\data\082824\Z76613.D Vial: 2
 Acq On : 28 Aug 2024 12:48 pm Operator: claudias
 Sample : cc3084-5 Inst : MSVOA15-Z
 Misc : MS57344,VZ3085,,,,, Multiplr: 1.00
 MS Integration Params: micro.p

Method : C:\msdchem\1\met...MCL-08-28-2024.M (RTE Integrator)
 Title : Standard Methods 6200B
 Last Update : Wed Aug 28 11:30:23 2024
 Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1 I	Fluorobenzene	1.000	1.000	0.0	105	0.00	7.89
	----- Amount	Calc.	%Drift	-----			
2	Vinyl Chloride	10.000	9.554	4.5	101	0.00	3.19
3	Chloromethane	10.000	9.509	4.9	100	0.00	3.13
4	1,1-Dichloroethene	10.000	9.760	2.4	106	0.00	4.56
5	Methylene Chloride	10.000	9.810	1.9	109	0.00	5.21
6	trans-1,2-Dichloroethene	10.000	9.947	0.5	108	0.00	5.39
7	1,1-Dichloroethane	10.000	10.470	-4.7	106	0.00	6.06
8	cis-1,2-Dichloroethene	10.000	9.860	1.4	107	0.00	6.62
9	Chloroform	10.000	9.456	5.4	104	0.00	6.88
10	Carbon Tetrachloride	10.000	9.263	7.4	104	0.00	7.05
11	1,1,1-Trichloroethane	10.000	9.698	3.0	107	0.00	7.12
	----- AvgRF	CCRF	%Dev	-----			
12	Benzene	1.449	1.376	5.0	109	0.00	7.49
13 S	1,2-Dichloroethane-d4	0.303	0.296	2.3	106	0.00	7.63
	----- Amount	Calc.	%Drift	-----			
14	1,2-Dichloroethane	10.000	9.813	1.9	107	0.00	7.69
15	Trichloroethene	10.000	9.971	0.3	108	0.00	8.06
	----- AvgRF	CCRF	%Dev	-----			
16	1,2-Dichloropropane	0.397	0.381	4.0	108	0.00	8.59
	----- Amount	Calc.	%Drift	-----			
17	cis-1,3-Dichloropropene	10.000	9.986	0.1	108	0.00	9.24
	----- AvgRF	CCRF	%Dev	-----			
18 I	Chlorobenzene-d5	1.000	1.000	0.0	106	0.00	10.98
19 S	Toluene-d8	1.115	1.105	0.9	106	0.00	9.43
	----- Amount	Calc.	%Drift	-----			
20	trans-1,3-Dichloropropene	10.000	9.949	0.5	109	0.00	9.87
21	Tetrachloroethene	10.000	9.733	2.7	106	0.00	9.87
22	1,4-Dichlorobenzene	10.000	9.979	0.2	105	0.00	13.35
23	1,2-Dibromo-3-Chloropropa	10.000	9.812	1.9	107	0.00	14.52

(#) = Out of Range

SPCC's out = 0 CCC's out = 0

Continuing Calibration Summary

Job Number: FC18258
Account: AHTNACAS Ahtna Global, LLC
Project: Fort Ord Groundwater Monitoring

Sample: VZ3085-CC3084
Lab FileID: Z76613.D

Z76607.D SIMCL-08-28-2024.M

Thu Aug 29 07:26:56 2024

Continuing Calibration Summary

Job Number: FC18258
Account: AHTNACAS Ahtna Global, LLC
Project: Fort Ord Groundwater Monitoring

Sample: VZ3085-ECC3084
Lab FileID: Z76639.D

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\data\082824\Z76639.D Vial: 28
 Acq On : 28 Aug 2024 11:24 pm Operator: claudias
 Sample : ecc3084-5 Inst : MSVOA15-Z
 Misc : MS57380,VZ3085,,,,, Multiplr: 1.00
 MS Integration Params: micro.p

Method : C:\msdchem\1\met...MCL-08-28-2024.M (RTE Integrator)
 Title : Standard Methods 6200B
 Last Update : Wed Aug 28 11:30:23 2024
 Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 50% Max. Rel. Area : 200%

Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1 I Fluorobenzene	1.000	1.000	0.0	117	0.00	7.89
----- Amount Calc. %Drift -----						
2 Vinyl Chloride	10.000	9.768	2.3	115	0.00	3.18
3 Chloromethane	10.000	10.052	-0.5	117	0.00	3.13
4 1,1-Dichloroethene	10.000	10.129	-1.3	122	0.00	4.56
5 Methylene Chloride	10.000	14.172	-41.7	159	0.00	5.21
6 trans-1,2-Dichloroethene	10.000	10.106	-1.1	121	0.00	5.39
7 1,1-Dichloroethane	10.000	10.883	-8.8	123	0.00	6.06
8 cis-1,2-Dichloroethene	10.000	9.931	0.7	119	0.00	6.62
9 Chloroform	10.000	9.404	6.0	116	0.00	6.88
10 Carbon Tetrachloride	10.000	8.961	10.4	112	0.00	7.05
11 1,1,1-Trichloroethane	10.000	9.671	3.3	119	0.00	7.12
----- AvgRF CCRF %Dev -----						
12 Benzene	1.449	1.395	3.7	123	0.00	7.49
13 S 1,2-Dichloroethane-d4	0.303	0.310	-2.3	123	0.00	7.63
----- Amount Calc. %Drift -----						
14 1,2-Dichloroethane	10.000	10.208	-2.1	123	0.00	7.70
15 Trichloroethene	10.000	9.720	2.8	117	0.00	8.06
----- AvgRF CCRF %Dev -----						
16 1,2-Dichloropropane	0.397	0.390	1.8	123	0.00	8.59
----- Amount Calc. %Drift -----						
17 cis-1,3-Dichloropropene	10.000	9.436	5.6	114	0.00	9.25
----- AvgRF CCRF %Dev -----						
18 I Chlorobenzene-d5	1.000	1.000	0.0	121	0.00	10.98
19 S Toluene-d8	1.115	1.084	2.8	118	0.00	9.43
----- Amount Calc. %Drift -----						
20 trans-1,3-Dichloropropene	10.000	9.109	8.9	114	0.00	9.87
21 Tetrachloroethene	10.000	8.914	10.9	111	0.00	9.87
22 1,4-Dichlorobenzene	10.000	9.418	5.8	113	0.00	13.35
23 1,2-Dibromo-3-Chloropropa	10.000	9.070	9.3	114	0.00	14.52

(#) = Out of Range

SPCC's out = 0 CCC's out = 0



Continuing Calibration Summary

Job Number: FC18258
Account: AHTNACAS Ahtna Global, LLC
Project: Fort Ord Groundwater Monitoring

Sample: VZ3085-ECC3084
Lab FileID: Z76639.D

Z76607.D SIMCL-08-28-2024.M

Thu Aug 29 07:38:45 2024

Run Sequence Report

Job Number: FC18258
Account: AHTNACAS Ahtna Global, LLC
Project: Fort Ord Groundwater Monitoring

Run ID: VN6705	Method: SW846 8260D BY SIM	Instrument ID: GCMSN
-----------------------	-----------------------------------	-----------------------------

Lab Sample ID	Lab File ID	Date/Time Analyzed	Prep QC Batch	Client Sample ID
VN6705-BFB	N0132197.D	08/20/24 09:04	n/a	BFB Tune
VN6705-IC6705	N0132200.D	08/20/24 10:17	n/a	Initial cal 3
VN6705-IC6705	N0132201.D	08/20/24 10:41	n/a	Initial cal 4
VN6705-ICC6705	N0132202.D	08/20/24 11:04	n/a	Initial cal 5
VN6705-IC6705	N0132203.D	08/20/24 11:28	n/a	Initial cal 6
VN6705-IC6705	N0132204.D	08/20/24 11:51	n/a	Initial cal 7
VN6705-IC6705	N0132207.D	08/20/24 13:05	n/a	Initial cal 1
VN6705-IC6705	N0132208.D	08/20/24 13:28	n/a	Initial cal 2
VN6705-ICV6705	N0132209.D	08/20/24 13:52	n/a	Initial cal verification 5

Run Sequence Report

Job Number: FC18258
Account: AHTNACAS Ahtna Global, LLC
Project: Fort Ord Groundwater Monitoring

Run ID: VN6710	Method: SW846 8260D BY SIM	Instrument ID: GCMSN
-----------------------	-----------------------------------	-----------------------------

Lab Sample ID	Lab File ID	Date/Time Analyzed	Prep QC Batch	Client Sample ID
VN6710-BFB	N0132313.D	08/28/24 08:53	n/a	BFB Tune
VN6710-CC6705	N0132314.D	08/28/24 09:18	n/a	Continuing cal 5
VN6710-BS	N0132315.D	08/28/24 09:43	n/a	Blank Spike
VN6710-MB	N0132317.D	08/28/24 10:32	n/a	Method Blank
FC18258-1	N0132318.D	08/28/24 10:56	n/a	2434W0BW219A
ZZZZZZ	N0132319.D	08/28/24 11:21	n/a	(unrelated sample)
ZZZZZZ	N0132320.D	08/28/24 11:45	n/a	(unrelated sample)
FC18255-2	N0132321.D	08/28/24 12:10	n/a	(used for QC only; not part of job FC18258)
ZZZZZZ	N0132322.D	08/28/24 12:35	n/a	(unrelated sample)
ZZZZZZ	N0132323.D	08/28/24 13:00	n/a	(unrelated sample)
ZZZZZZ	N0132324.D	08/28/24 13:25	n/a	(unrelated sample)
FC18258-2	N0132325.D	08/28/24 13:49	n/a	2434W0BW159F
FC18258-3	N0132326.D	08/28/24 14:14	n/a	2434W0BW174D
ZZZZZZ	N0132327.D	08/28/24 14:40	n/a	(unrelated sample)
ZZZZZZ	N0132328.D	08/28/24 15:05	n/a	(unrelated sample)
ZZZZZZ	N0132329.D	08/28/24 15:30	n/a	(unrelated sample)
ZZZZZZ	N0132330.D	08/28/24 15:55	n/a	(unrelated sample)
ZZZZZZ	N0132331.D	08/28/24 16:20	n/a	(unrelated sample)
ZZZZZZ	N0132332.D	08/28/24 16:46	n/a	(unrelated sample)
ZZZZZZ	N0132333.D	08/28/24 17:11	n/a	(unrelated sample)
ZZZZZZ	N0132334.D	08/28/24 17:36	n/a	(unrelated sample)
ZZZZZZ	N0132335.D	08/28/24 18:01	n/a	(unrelated sample)
ZZZZZZ	N0132336.D	08/28/24 18:26	n/a	(unrelated sample)
ZZZZZZ	N0132337.D	08/28/24 18:51	n/a	(unrelated sample)
FC18255-2MS	N0132338.D	08/28/24 19:16	n/a	Matrix Spike
FC18255-2MSD	N0132339.D	08/28/24 19:41	n/a	Matrix Spike Duplicate
VN6710-ECC6705	N0132340.D	08/28/24 20:06	n/a	Ending cal 5

Run Sequence Report

Job Number: FC18258
Account: AHTNACAS Ahtna Global, LLC
Project: Fort Ord Groundwater Monitoring

Run ID: VZ3084	Method: SW846 8260D BY SIM	Instrument ID: GCMSZ
-----------------------	-----------------------------------	-----------------------------

Lab Sample ID	Lab File ID	Date/Time Analyzed	Prep QC Batch	Client Sample ID
VZ3084-BFB	Z76601.D	08/28/24 07:36	n/a	BFB Tune
VZ3084-IC3084	Z76603.D	08/28/24 08:29	n/a	Initial cal 1
VZ3084-IC3084	Z76604.D	08/28/24 08:51	n/a	Initial cal 2
VZ3084-IC3084	Z76605.D	08/28/24 09:24	n/a	Initial cal 3
VZ3084-IC3084	Z76606.D	08/28/24 09:47	n/a	Initial cal 4
VZ3084-ICC3084	Z76607.D	08/28/24 10:10	n/a	Initial cal 5
VZ3084-IC3084	Z76608.D	08/28/24 10:33	n/a	Initial cal 6
VZ3084-IC3084	Z76609.D	08/28/24 10:57	n/a	Initial cal 7
VZ3084-ICV3084	Z76611.D	08/28/24 11:43	n/a	Initial cal verification 5

Run Sequence Report

Job Number: FC18258
Account: AHTNACAS Ahtna Global, LLC
Project: Fort Ord Groundwater Monitoring

Run ID: VZ3085 **Method:** SW846 8260D BY SIM **Instrument ID:** GCMSZ

Lab Sample ID	Lab File ID	Date/Time Analyzed	Prep QC Batch	Client Sample ID
VZ3085-BFB	Z76612.D	08/28/24 12:22	n/a	BFB Tune
VZ3085-CC3084	Z76613.D	08/28/24 12:48	n/a	Continuing cal 5
VZ3085-BS	Z76614.D	08/28/24 13:18	n/a	Blank Spike
VZ3085-MB	Z76616.D	08/28/24 14:18	n/a	Method Blank
FC18258-4	Z76617.D	08/28/24 14:55	n/a	2434W0BW202C
FC18258-5	Z76618.D	08/28/24 15:19	n/a	2434W0BW155F
ZZZZZZ	Z76619.D	08/28/24 15:42	n/a	(unrelated sample)
FC18258-10	Z76620.D	08/28/24 16:05	n/a	24340BWX191C
ZZZZZZ	Z76621.D	08/28/24 16:28	n/a	(unrelated sample)
FC18258-6	Z76622.D	08/28/24 16:51	n/a	2434W0BW153F
FC18258-7	Z76623.D	08/28/24 17:15	n/a	2434W0BW154F
FC18258-8	Z76624.D	08/28/24 17:38	n/a	2434X0BW043F
FC18258-9	Z76625.D	08/28/24 18:01	n/a	2434X0BW186F
ZZZZZZ	Z76626.D	08/28/24 18:24	n/a	(unrelated sample)
ZZZZZZ	Z76627.D	08/28/24 18:47	n/a	(unrelated sample)
ZZZZZZ	Z76628.D	08/28/24 19:10	n/a	(unrelated sample)
ZZZZZZ	Z76629.D	08/28/24 19:33	n/a	(unrelated sample)
ZZZZZZ	Z76630.D	08/28/24 19:56	n/a	(unrelated sample)
ZZZZZZ	Z76631.D	08/28/24 20:20	n/a	(unrelated sample)
ZZZZZZ	Z76632.D	08/28/24 20:43	n/a	(unrelated sample)
ZZZZZZ	Z76633.D	08/28/24 21:06	n/a	(unrelated sample)
ZZZZZZ	Z76634.D	08/28/24 21:29	n/a	(unrelated sample)
ZZZZZZ	Z76635.D	08/28/24 21:52	n/a	(unrelated sample)
ZZZZZZ	Z76636.D	08/28/24 22:15	n/a	(unrelated sample)
FC18258-5MS	Z76637.D	08/28/24 22:38	n/a	Matrix Spike
FC18258-5MSD	Z76638.D	08/28/24 23:01	n/a	Matrix Spike Duplicate
VZ3085-ECC3084	Z76639.D	08/28/24 23:24	n/a	Ending cal 5

MS Volatiles

Raw Data

7

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\08-28-24\
 Data File : N0132318.D
 Acq On : 28 Aug 2024 10:56 am
 Operator : jeniferw
 Sample : FC18258-1
 Misc : MS57378,VN6710,,,,,
 ALS Vial : 6 Sample Multiplier: 1

Quant Time: Aug 29 09:01:53 2024
 Quant Method : C:\msdchem\1\methods\SIMCL_VN6705_082024.M
 Quant Title : Standard Methods 6200B
 QLast Update : Tue Aug 20 14:01:28 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Fluorobenzene	6.341	96	46308	5.00	ug/L	0.00
18) Chlorobenzene-d5	9.519	117	28747	5.00	ug/L	0.00
System Monitoring Compounds						
13) 1,2-Dichloroethane-d4	6.041	65	20682	5.19	ug/L	0.00
Spiked Amount	5.000	Range 74 - 125	Recovery	=	103.80%	
19) Toluene-d8	7.950	98	33914	5.35	ug/L	0.00
Spiked Amount	5.000	Range 88 - 111	Recovery	=	107.00%	
Target Compounds						
3) Chloromethane	1.977	50	473	0.35	ug/L	95
5) Methylene Chloride	3.712	49	2077	0.96	ug/L	97

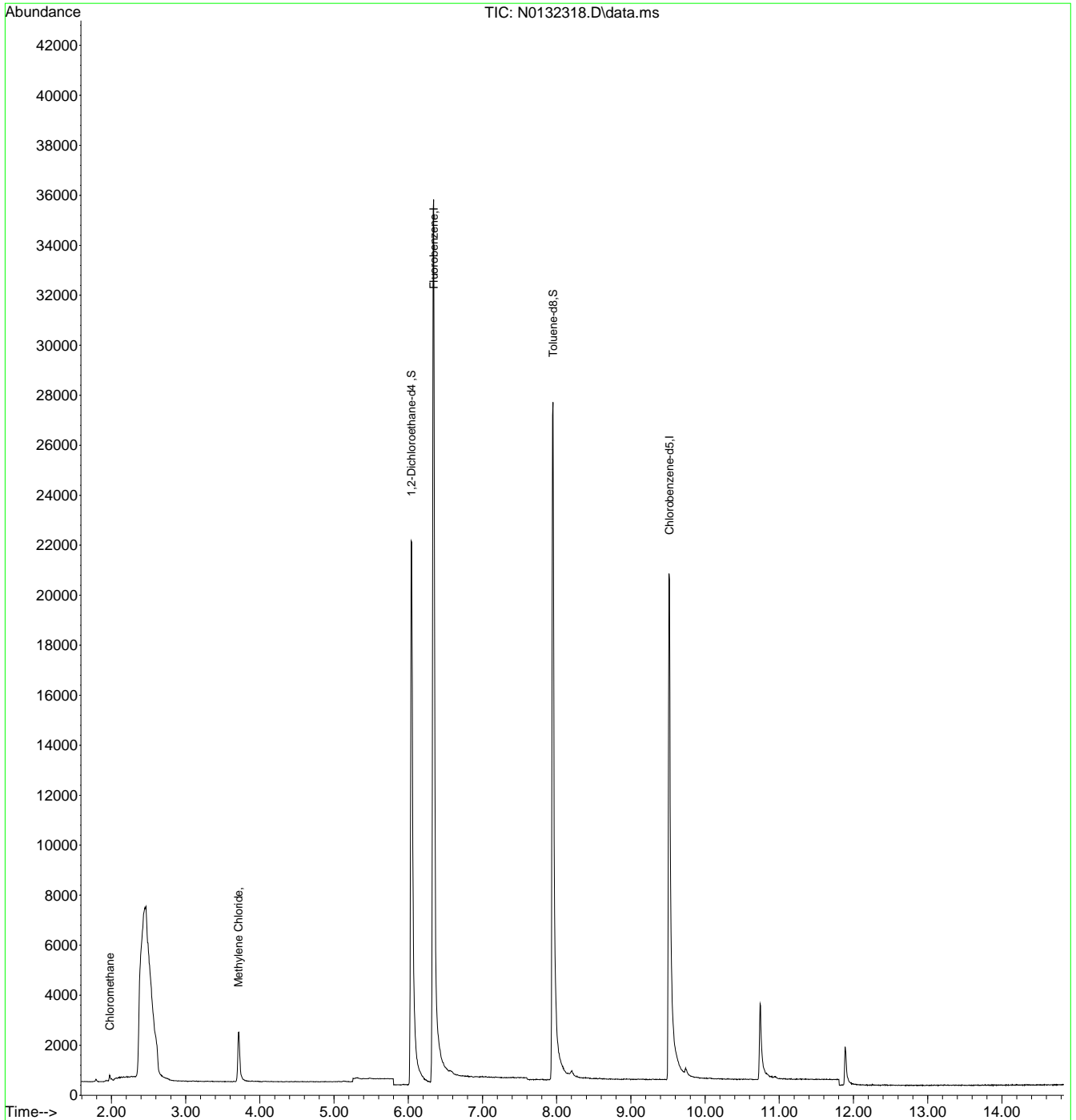
(#) = qualifier out of range (m) = manual integration (+) = signals summed

7.1.1
7

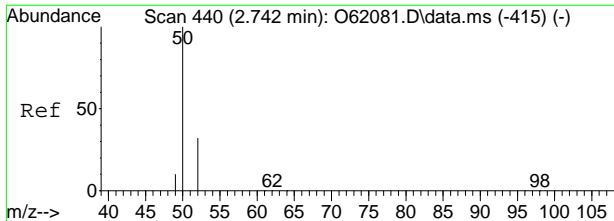
Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\08-28-24\
 Data File : N0132318.D
 Acq On : 28 Aug 2024 10:56 am
 Operator : jeniferw
 Sample : FC18258-1
 Misc : MS57378,VN6710,,,,,
 ALS Vial : 6 Sample Multiplier: 1

Quant Time: Aug 29 09:01:53 2024
 Quant Method : C:\msdchem\1\methods\SIMCL_VN6705_082024.M
 Quant Title : Standard Methods 6200B
 QLast Update : Tue Aug 20 14:01:28 2024
 Response via : Initial Calibration

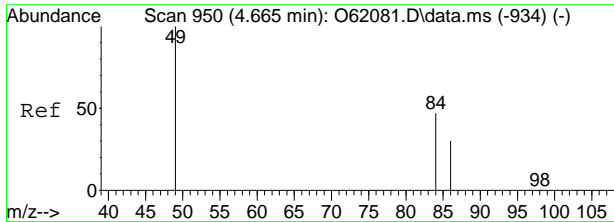
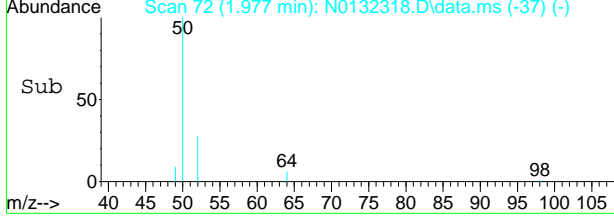
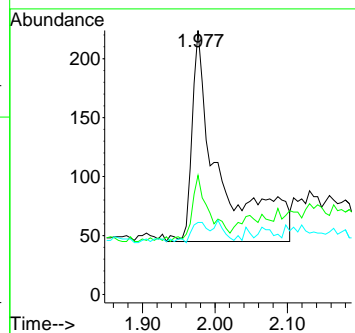
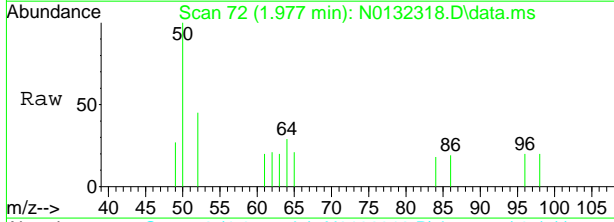


7.1.1
7



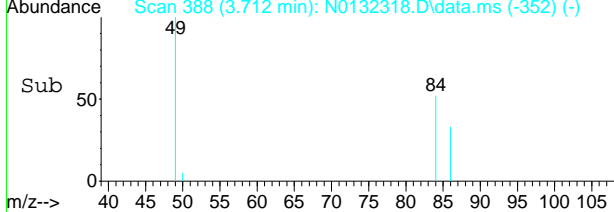
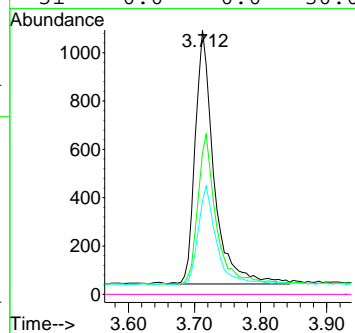
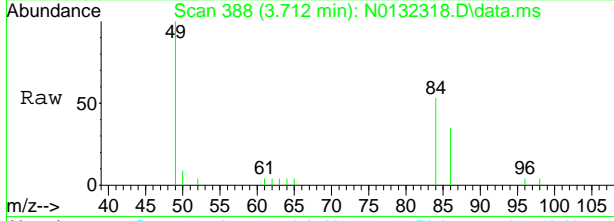
#3
 Chloromethane
 Concen: 0.35 ug/L
 RT: 1.977 min Scan# 72
 Delta R.T. -0.005 min
 Lab File: N0132318.D
 Acq: 28 Aug 2024 10:56 am

Tgt Ion	Ratio	Lower	Upper
50	100		
52	29.1	2.1	62.1
49	8.9	0.0	39.6



#5
 Methylene Chloride
 Concen: 0.96 ug/L
 RT: 3.712 min Scan# 388
 Delta R.T. 0.000 min
 Lab File: N0132318.D
 Acq: 28 Aug 2024 10:56 am

Tgt Ion	Ratio	Lower	Upper
49	100		
84	51.5	20.0	80.0
86	32.6	0.4	60.4
51	0.0	0.0	30.0



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\08-28-24\
 Data File : N0132325.D
 Acq On : 28 Aug 2024 1:49 pm
 Operator : jeniferw
 Sample : FC18258-2
 Misc : MS57378,VN6710,,,,,
 ALS Vial : 13 Sample Multiplier: 1

Quant Time: Aug 29 09:05:12 2024
 Quant Method : C:\msdchem\1\methods\SIMCL_VN6705_082024.M
 Quant Title : Standard Methods 6200B
 QLast Update : Tue Aug 20 14:01:28 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Fluorobenzene	6.341	96	41051	5.00	ug/L	0.00
18) Chlorobenzene-d5	9.519	117	26325	5.00	ug/L	0.00
System Monitoring Compounds						
13) 1,2-Dichloroethane-d4	6.045	65	19730	5.59	ug/L	0.00
Spiked Amount	5.000	Range 74 - 125	Recovery	=	111.80%	
19) Toluene-d8	7.950	98	30388	5.23	ug/L	0.00
Spiked Amount	5.000	Range 88 - 111	Recovery	=	104.60%	
Target Compounds						
3) Chloromethane	1.977	50	515	0.42	ug/L	95
5) Methylene Chloride	3.718	49	2530	1.33	ug/L	87
9) Chloroform	5.303	83	256m	0.17	ug/L	
10) Carbon Tetrachloride	5.466	117	443	0.72	ug/L	98

(#) = qualifier out of range (m) = manual integration (+) = signals summed

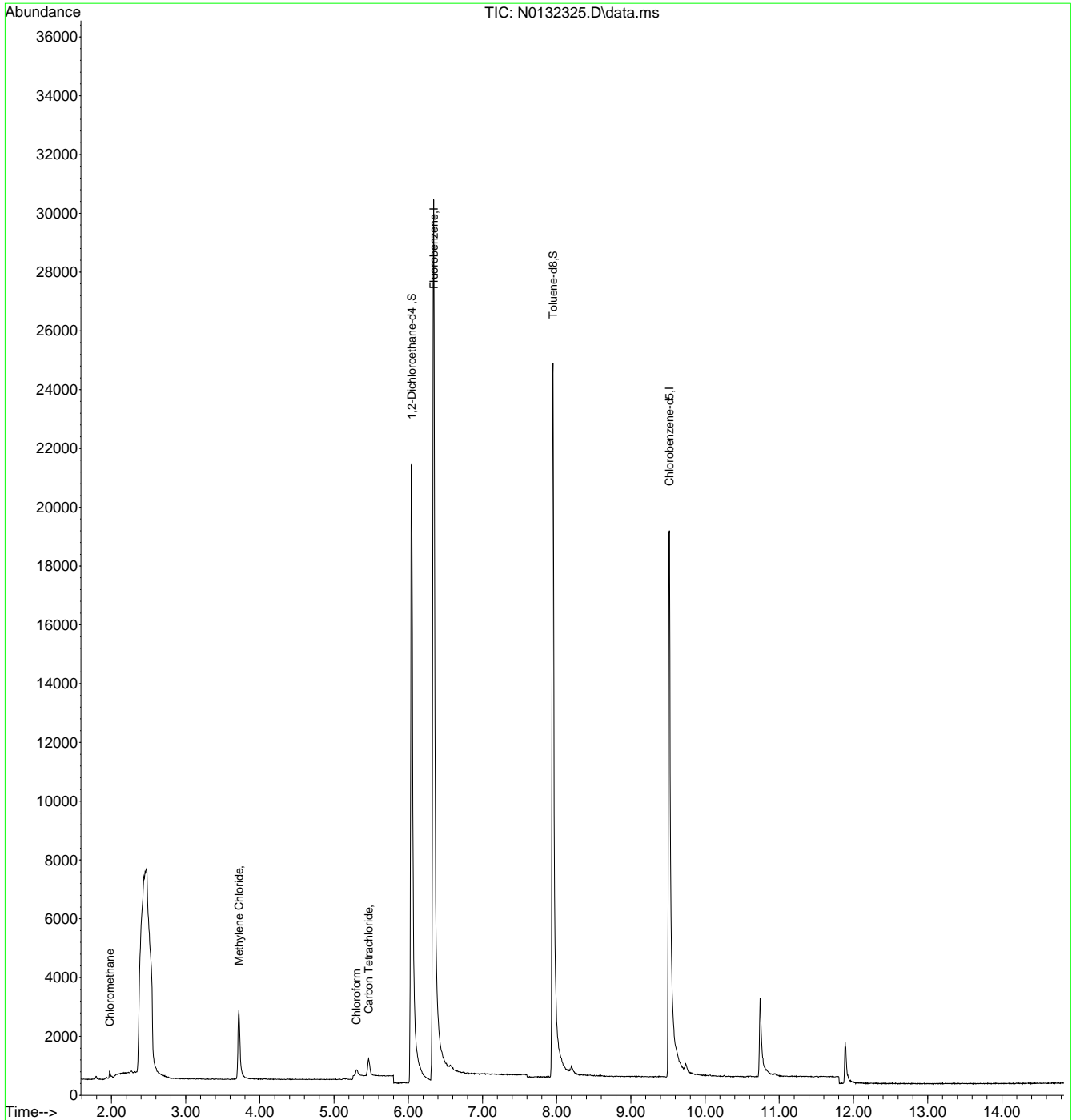
7.12
7



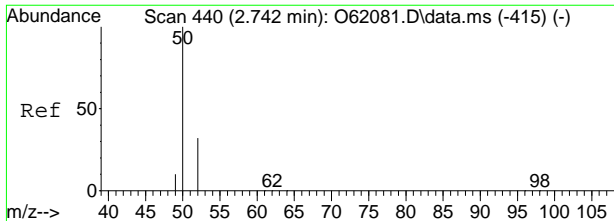
Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\08-28-24\
Data File : N0132325.D
Acq On : 28 Aug 2024 1:49 pm
Operator : jeniferw
Sample : FC18258-2
Misc : MS57378,VN6710,,,,,
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Aug 29 09:05:12 2024
Quant Method : C:\msdchem\1\methods\SIMCL_VN6705_082024.M
Quant Title : Standard Methods 6200B
QLast Update : Tue Aug 20 14:01:28 2024
Response via : Initial Calibration

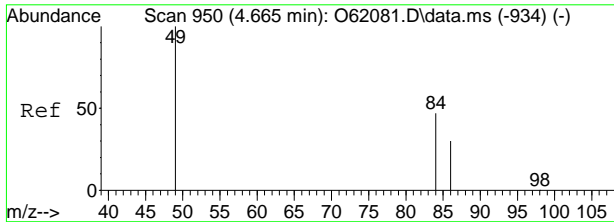
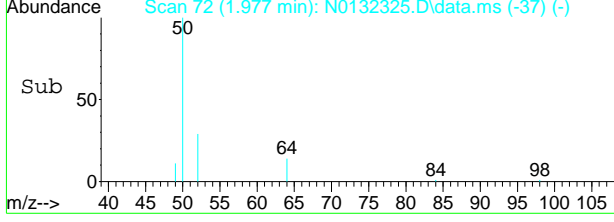
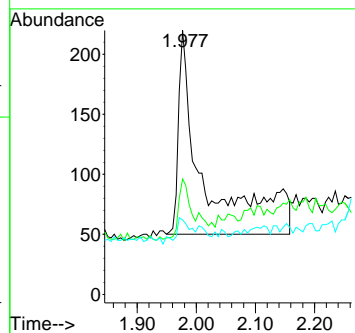
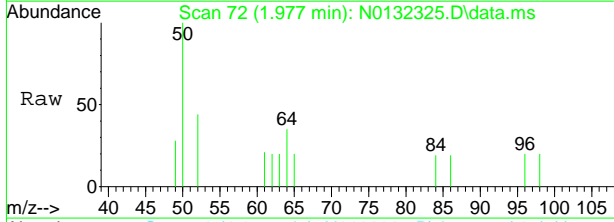


7.1.2
7



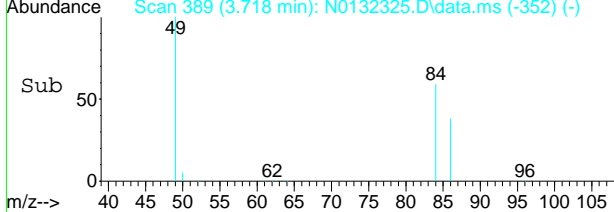
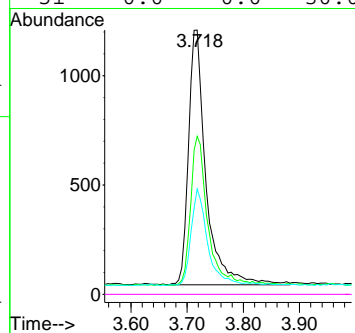
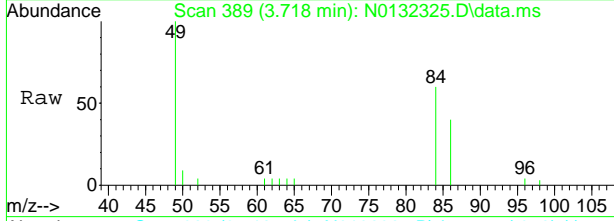
#3
 Chloromethane
 Concen: 0.42 ug/L
 RT: 1.977 min Scan# 72
 Delta R.T. -0.005 min
 Lab File: N0132325.D
 Acq: 28 Aug 2024 1:49 pm

Tgt Ion	Ratio	Lower	Upper
50	100		
52	28.8	2.1	62.1
49	8.2	0.0	39.6



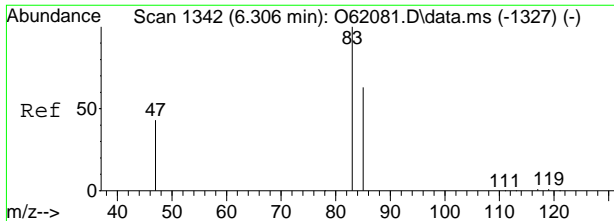
#5
 Methylene Chloride
 Concen: 1.33 ug/L
 RT: 3.718 min Scan# 389
 Delta R.T. 0.006 min
 Lab File: N0132325.D
 Acq: 28 Aug 2024 1:49 pm

Tgt Ion	Ratio	Lower	Upper
49	100		
84	58.4	20.0	80.0
86	37.8	0.4	60.4
51	0.0	0.0	30.0



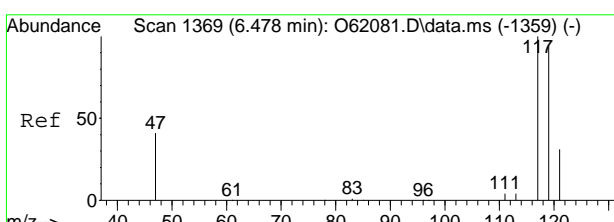
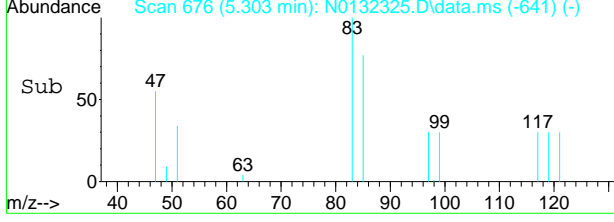
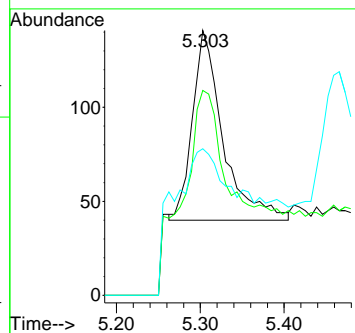
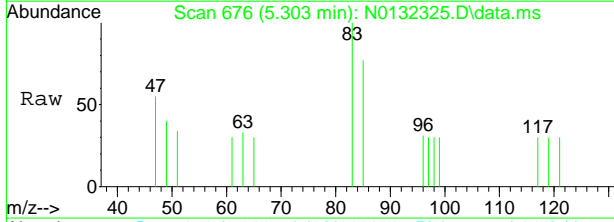
7.12
7





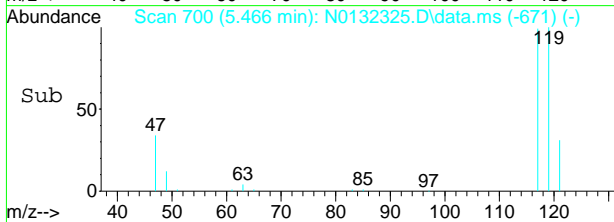
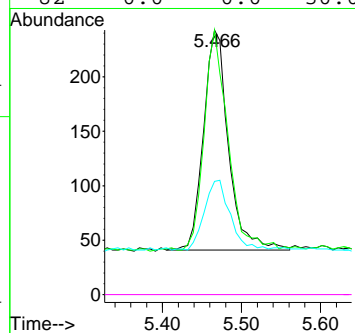
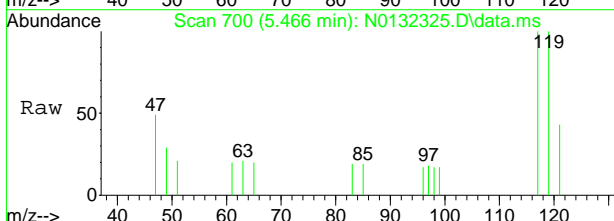
#9
 Chloroform
 Concen: 0.17 ug/L m
 RT: 5.303 min Scan# 676
 Delta R.T. 0.000 min
 Lab File: N0132325.D
 Acq: 28 Aug 2024 1:49 pm

Tgt Ion	Resp	Lower	Upper
83	256		
83	100		
85	77.3	36.3	96.3
47	55.3	2.6	62.6



#10
 Carbon Tetrachloride
 Concen: 0.72 ug/L
 RT: 5.466 min Scan# 700
 Delta R.T. -0.000 min
 Lab File: N0132325.D
 Acq: 28 Aug 2024 1:49 pm

Tgt Ion	Resp	Lower	Upper
117	443		
117	100		
119	99.5	67.0	127.0
121	30.7	0.5	60.5
82	0.0	0.0	30.0



7.12
7

Manual Integration Approval Summary

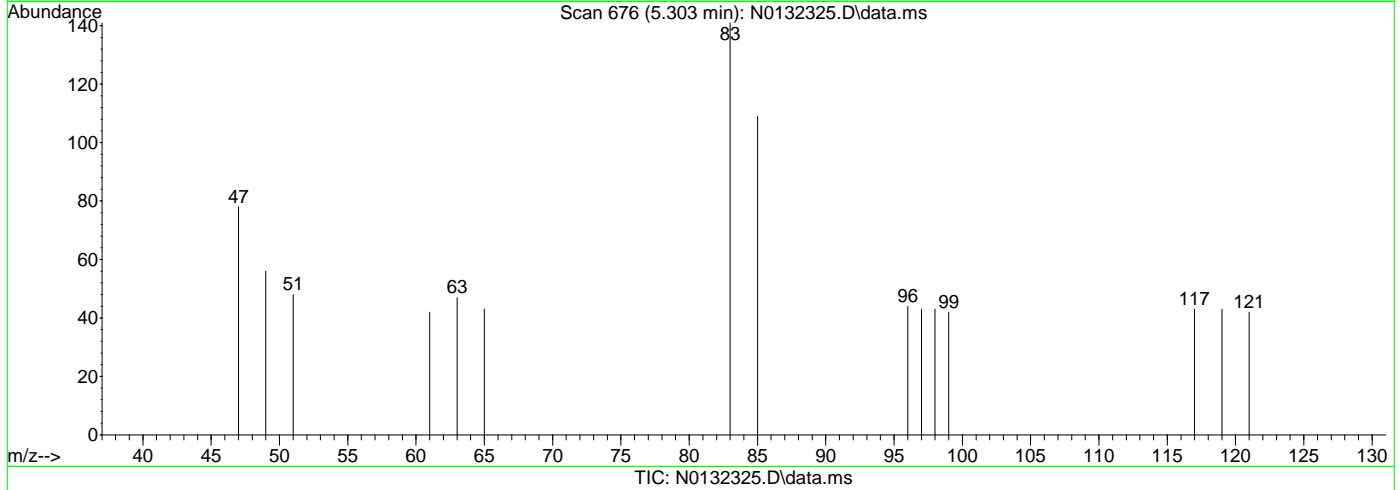
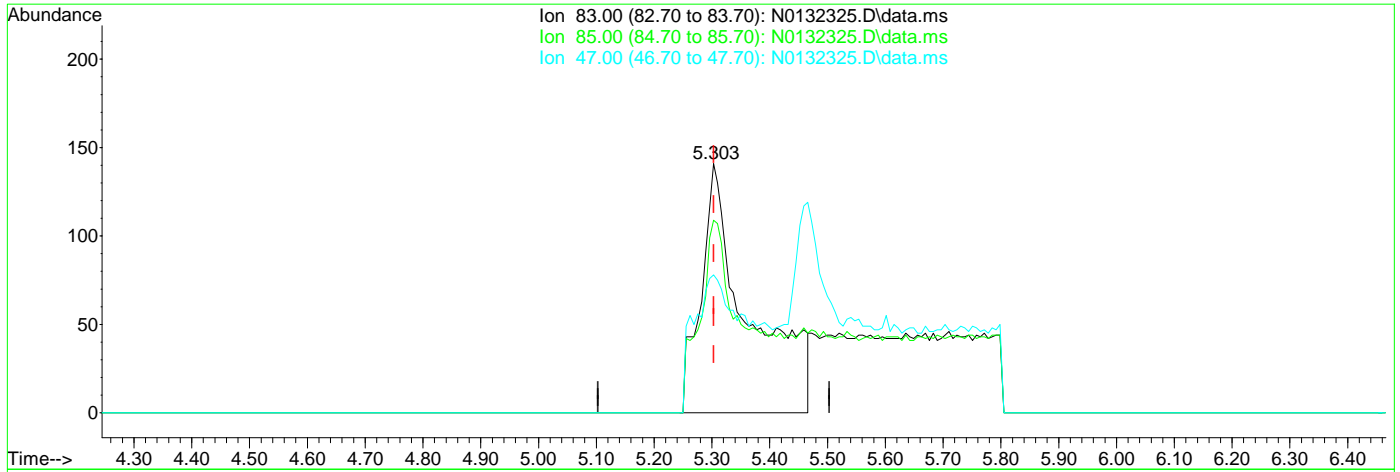
Sample Number: FC18258-2 **Method:** SW846 8260D BY SIM
Lab FileID: N0132325.D **Analyst approved:** 08/29/24 11:30 Jenifer Willis
Injection Time: 08/28/24 13:49 **Supervisor approved:** 08/29/24 12:22 Karen Watson

Parameter	CAS	Sig#	R.T. (min.)	Reason
Chloroform	67-66-3		5.30	Poorly defined baseline

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\08-28-24\
 Data File : N0132325.D
 Acq On : 28 Aug 2024 1:49 pm
 Operator : jeniferw
 Sample : FC18258-2
 Misc : MS57378,VN6710,,,,,
 ALS Vial : 13 Sample Multiplier: 1

Quant Time: Aug 29 05:52:18 2024
 Quant Method : C:\msdchem\1\methods\SIMCL_VN6705_082024.M
 Quant Title : Standard Methods 6200B
 QLast Update : Tue Aug 20 14:01:28 2024
 Response via : Initial Calibration



(9) Chloroform

5.303min (+0.000) 0.51ug/L

response 790

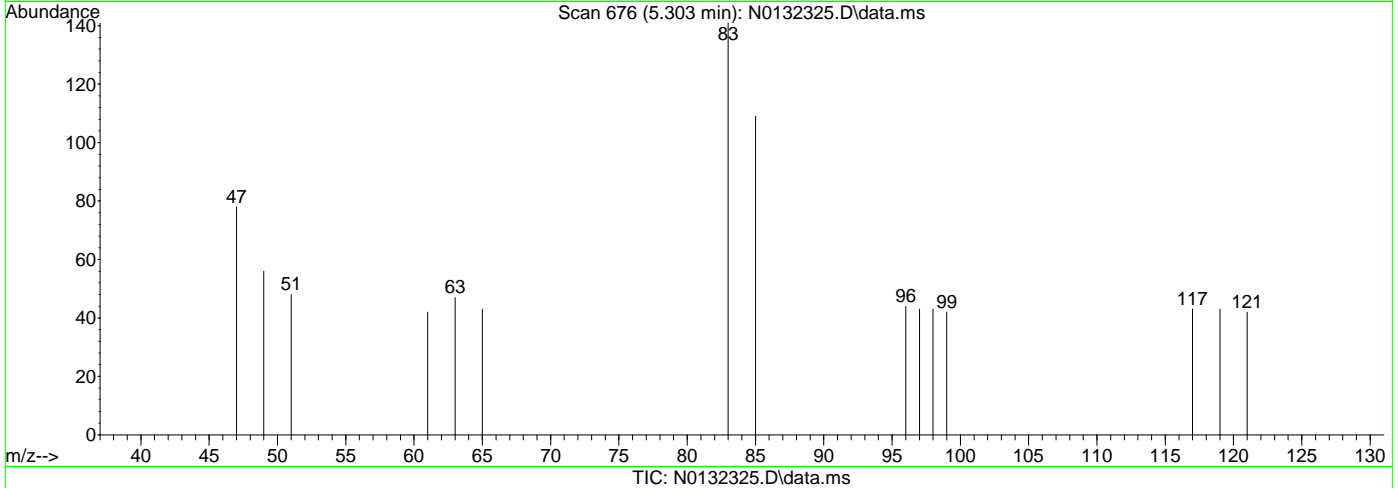
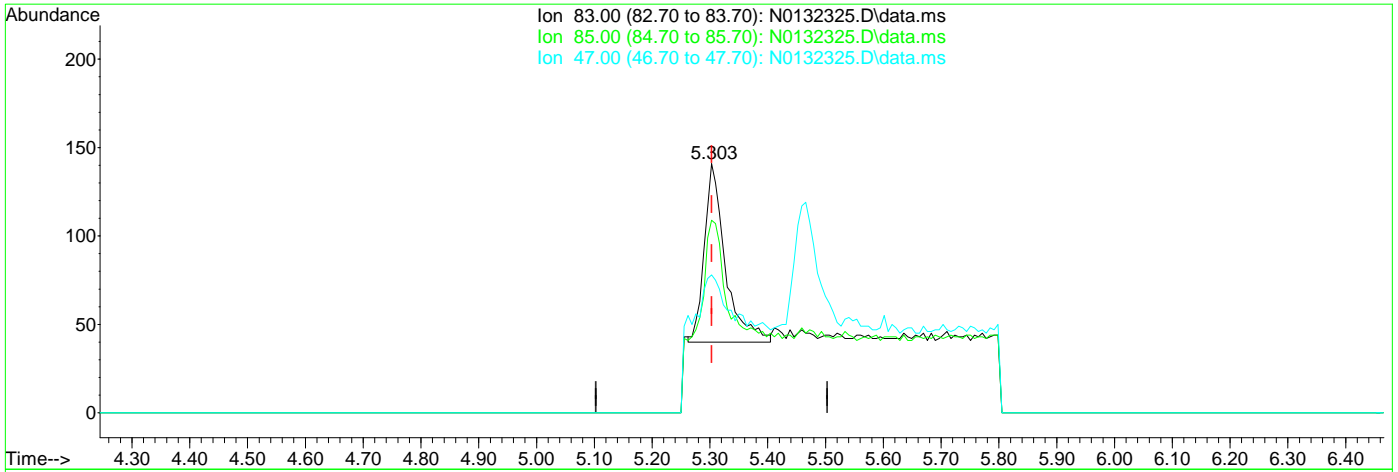
Ion	Exp%	Act%
83.00	100	100
85.00	66.30	77.30
47.00	32.60	55.32
0.00	0.00	0.00

7.1.2.2
7

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\08-28-24\
 Data File : N0132325.D
 Acq On : 28 Aug 2024 1:49 pm
 Operator : jeniferw
 Sample : FC18258-2
 Misc : MS57378,VN6710,,,,,
 ALS Vial : 13 Sample Multiplier: 1

Quant Time: Aug 29 05:52:18 2024
 Quant Method : C:\msdchem\1\methods\SIMCL_VN6705_082024.M
 Quant Title : Standard Methods 6200B
 QLast Update : Tue Aug 20 14:01:28 2024
 Response via : Initial Calibration



(9) Chloroform

5.303min (+0.000) 0.17ug/L m

response 256

Ion	Exp%	Act%
83.00	100	100
85.00	66.30	77.30
47.00	32.60	55.32
0.00	0.00	0.00

7.1.2.3
7

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\08-28-24\
 Data File : N0132326.D
 Acq On : 28 Aug 2024 2:14 pm
 Operator : jeniferw
 Sample : FC18258-3
 Misc : MS57378,VN6710,,,,,
 ALS Vial : 14 Sample Multiplier: 1

Quant Time: Aug 29 09:05:32 2024
 Quant Method : C:\msdchem\1\methods\SIMCL_VN6705_082024.M
 Quant Title : Standard Methods 6200B
 QLast Update : Tue Aug 20 14:01:28 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	

Internal Standards							
1) Fluorobenzene	6.341	96	41268	5.00	ug/L	0.00	
18) Chlorobenzene-d5	9.519	117	26408	5.00	ug/L	0.00	
System Monitoring Compounds							
13) 1,2-Dichloroethane-d4	6.041	65	19791	5.58	ug/L	0.00	
Spiked Amount	5.000	Range 74 - 125	Recovery	=	111.60%		
19) Toluene-d8	7.950	98	30570	5.24	ug/L	0.00	
Spiked Amount	5.000	Range 88 - 111	Recovery	=	104.80%		
Target Compounds							
							Qvalue
3) Chloromethane	1.977	50	312	0.26	ug/L		98
5) Methylene Chloride	3.712	49	2664	1.40	ug/L		97
9) Chloroform	5.303	83	248m	0.16	ug/L		
10) Carbon Tetrachloride	5.466	117	413	0.67	ug/L		98

(#) = qualifier out of range (m) = manual integration (+) = signals summed

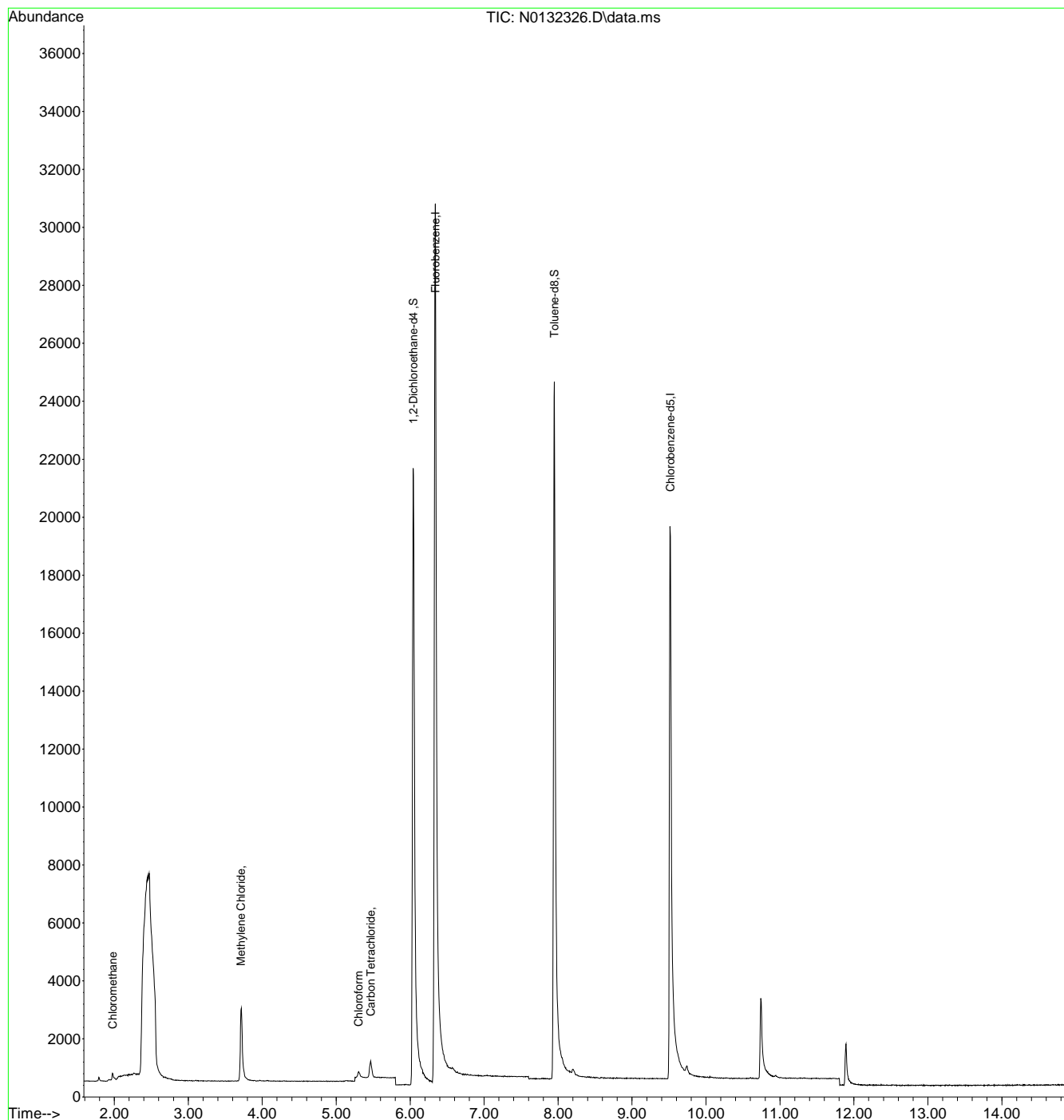
7.1.3
7



Quantitation Report (QT Reviewed)

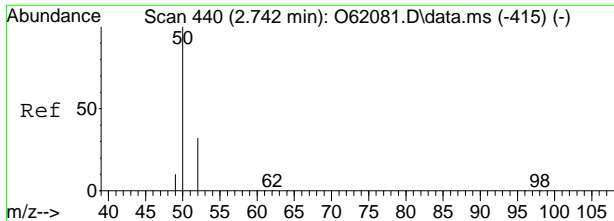
Data Path : C:\msdchem\1\data\08-28-24\
 Data File : N0132326.D
 Acq On : 28 Aug 2024 2:14 pm
 Operator : jeniferw
 Sample : FC18258-3
 Misc : MS57378,VN6710,,,,,
 ALS Vial : 14 Sample Multiplier: 1

Quant Time: Aug 29 09:05:32 2024
 Quant Method : C:\msdchem\1\methods\SIMCL_VN6705_082024.M
 Quant Title : Standard Methods 6200B
 QLast Update : Tue Aug 20 14:01:28 2024
 Response via : Initial Calibration



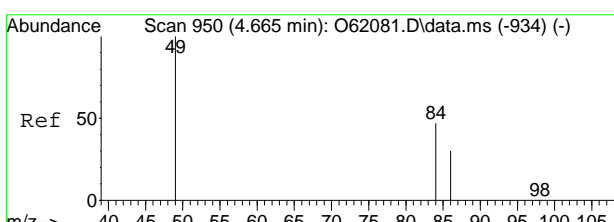
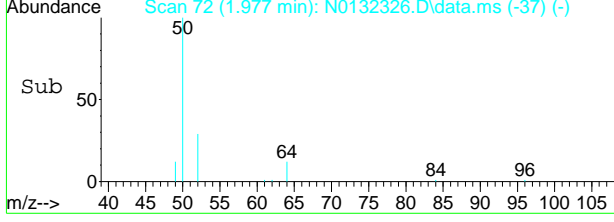
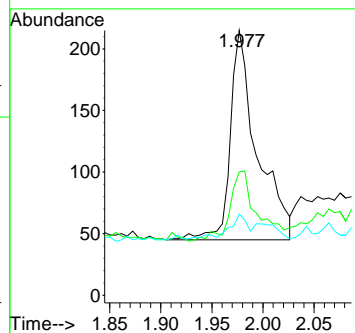
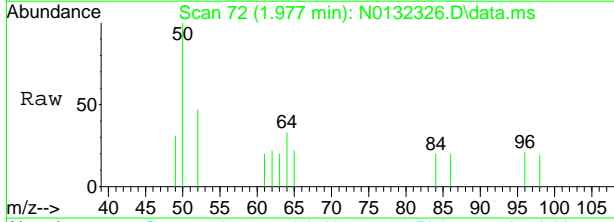
7.1.3
7





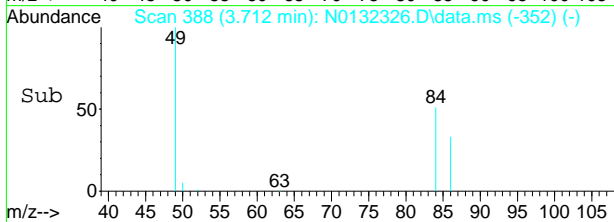
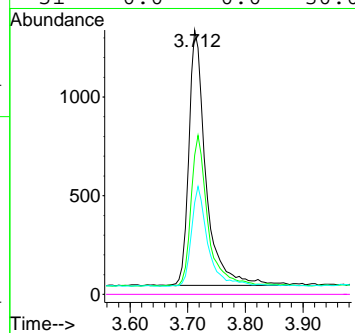
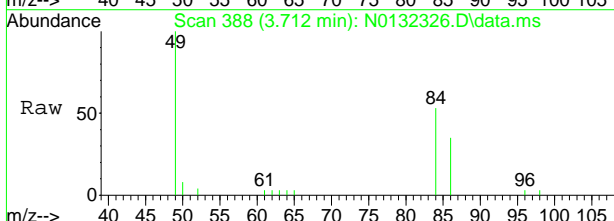
#3
 Chloromethane
 Concen: 0.26 ug/L
 RT: 1.977 min Scan# 72
 Delta R.T. -0.005 min
 Lab File: N0132326.D
 Acq: 28 Aug 2024 2:14 pm

Tgt Ion	Resp	Lower	Upper
50	312		
52	32.4	2.1	62.1
49	12.4	0.0	39.6

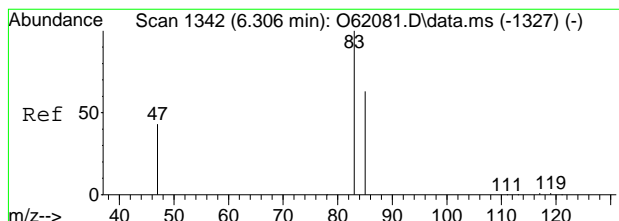


#5
 Methylene Chloride
 Concen: 1.40 ug/L
 RT: 3.712 min Scan# 388
 Delta R.T. 0.000 min
 Lab File: N0132326.D
 Acq: 28 Aug 2024 2:14 pm

Tgt Ion	Resp	Lower	Upper
49	2664		
49	100		
84	51.0	20.0	80.0
86	32.8	0.4	60.4
51	0.0	0.0	30.0

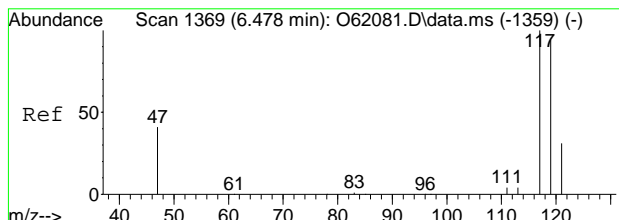
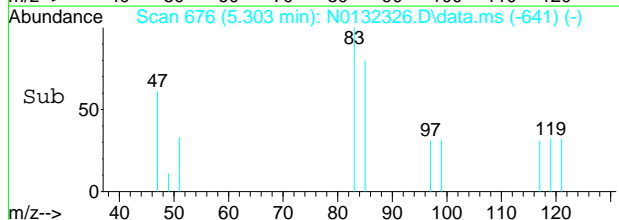
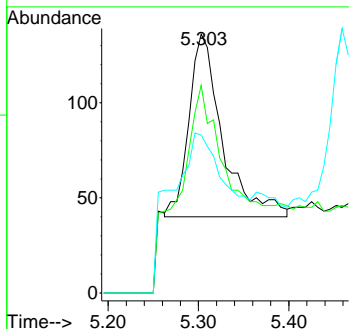
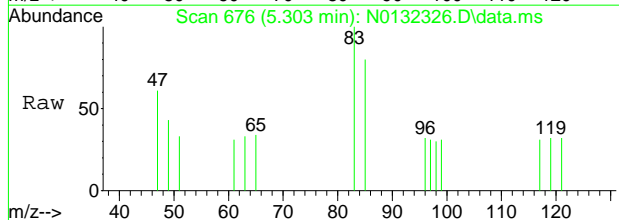


7.13
7



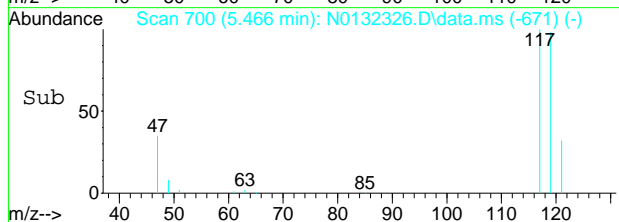
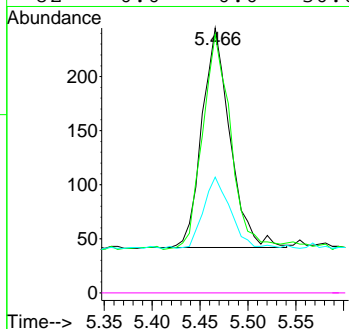
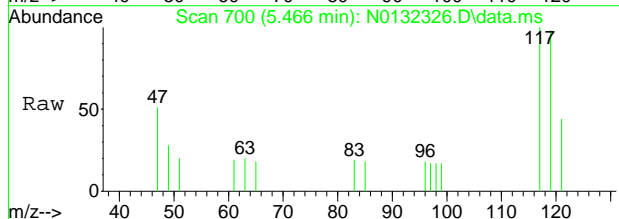
#9
Chloroform
Concen: 0.16 ug/L m
RT: 5.303 min Scan# 676
Delta R.T. -0.000 min
Lab File: N0132326.D
Acq: 28 Aug 2024 2:14 pm

Tgt Ion	Resp	Lower	Upper
83	248		
85	80.1	36.3	96.3
47	61.0	2.6	62.6



#10
Carbon Tetrachloride
Concen: 0.67 ug/L
RT: 5.466 min Scan# 700
Delta R.T. -0.000 min
Lab File: N0132326.D
Acq: 28 Aug 2024 2:14 pm

Tgt Ion	Resp	Lower	Upper
117	413		
117	100		
119	98.0	67.0	127.0
121	32.5	0.5	60.5
82	0.0	0.0	30.0



Manual Integration Approval Summary

Sample Number: FC18258-3 **Method:** SW846 8260D BY SIM
Lab FileID: N0132326.D **Analyst approved:** 08/29/24 11:30 Jenifer Willis
Injection Time: 08/28/24 14:14 **Supervisor approved:** 08/29/24 12:22 Karen Watson

Parameter	CAS	Sig#	R.T. (min.)	Reason
Chloroform	67-66-3		5.30	Poorly defined baseline

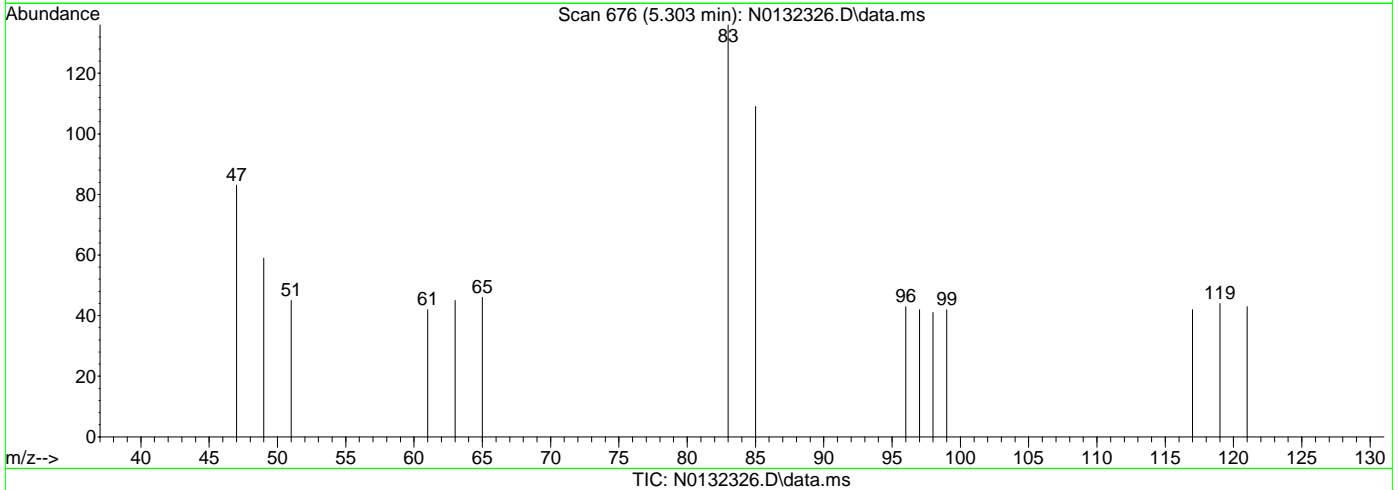
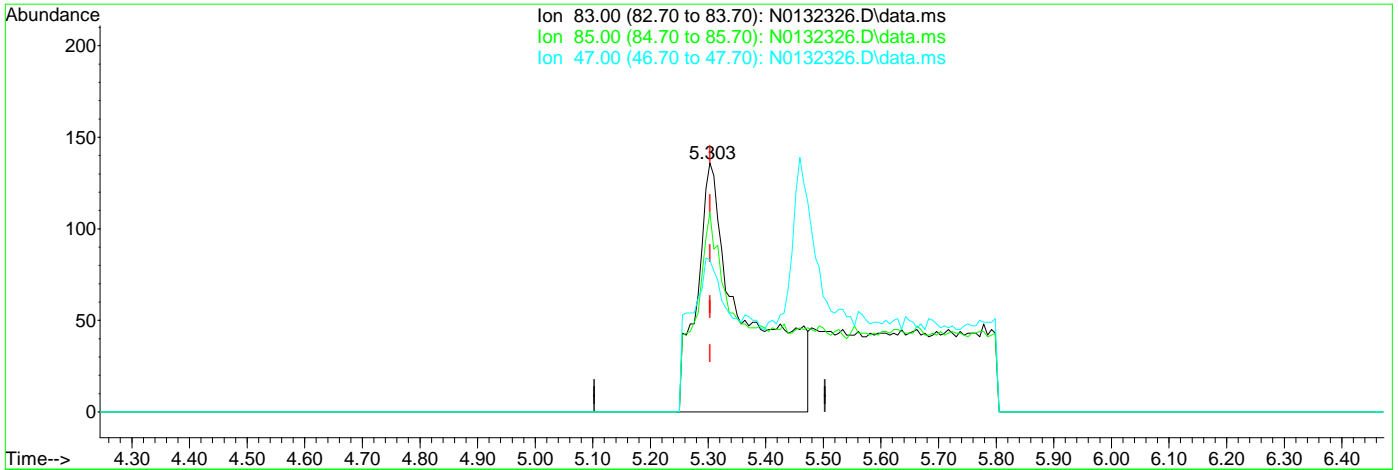
7.1.3.1

7

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\08-28-24\
 Data File : N0132326.D
 Acq On : 28 Aug 2024 2:14 pm
 Operator : jeniferw
 Sample : FC18258-3
 Misc : MS57378,VN6710,,,,,
 ALS Vial : 14 Sample Multiplier: 1

Quant Time: Aug 29 05:52:20 2024
 Quant Method : C:\msdchem\1\methods\SIMCL_VN6705_082024.M
 Quant Title : Standard Methods 6200B
 QLast Update : Tue Aug 20 14:01:28 2024
 Response via : Initial Calibration



(9) Chloroform

5.303min (-0.000) 0.52ug/L

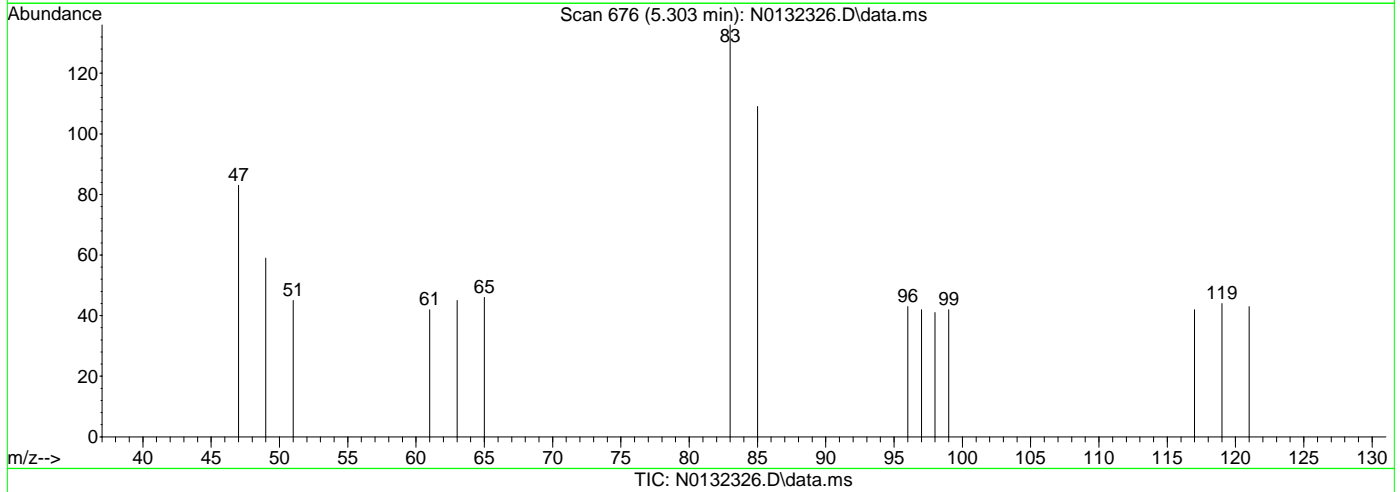
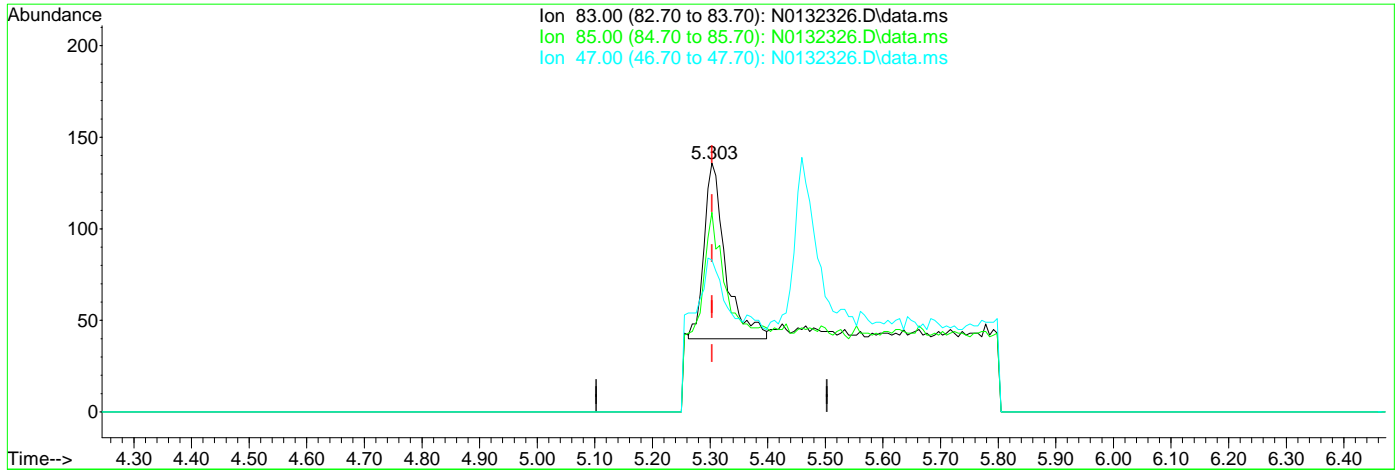
response 801

Ion	Exp%	Act%
83.00	100	100
85.00	66.30	80.15
47.00	32.60	61.03
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\08-28-24\
 Data File : N0132326.D
 Acq On : 28 Aug 2024 2:14 pm
 Operator : jeniferw
 Sample : FC18258-3
 Misc : MS57378,VN6710,,,,,
 ALS Vial : 14 Sample Multiplier: 1

Quant Time: Aug 29 05:52:20 2024
 Quant Method : C:\msdchem\1\methods\SIMCL_VN6705_082024.M
 Quant Title : Standard Methods 6200B
 QLast Update : Tue Aug 20 14:01:28 2024
 Response via : Initial Calibration



(9) Chloroform

5.303min (-0.000) 0.16ug/L m

response 248

Ion	Exp%	Act%
83.00	100	100
85.00	66.30	80.15
47.00	32.60	61.03
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\082824\
Data File : Z76617.D
Acq On : 28 Aug 2024 2:55 pm
Operator : claudias
Sample : FC18258-4 Inst : MSVOA15-Z
Misc : MS57380,VZ3085,,,,,
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Aug 29 06:50:21 2024
Quant Method : C:\msdchem\1\methods\SIMCL-08-28-2024.M
Quant Title : Standard Methods 6200B
QLast Update : Wed Aug 28 11:30:23 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Fluorobenzene	7.894	96	18909	5.00	ug/L	0.00
18) Chlorobenzene-d5	10.980	117	20095	5.00	ug/L	0.00
System Monitoring Compounds						
13) 1,2-Dichloroethane-d4	7.628	65	5820	5.08	ug/L	0.00
Spiked Amount	5.000	Range 74 - 125	Recovery	=	101.60%	
19) Toluene-d8	9.428	98	22058	4.92	ug/L	0.00
Spiked Amount	5.000	Range 88 - 111	Recovery	=	98.40%	
Target Compounds						
5) Methylene Chloride	5.213	49	292	0.10	ug/L	Qvalue 97

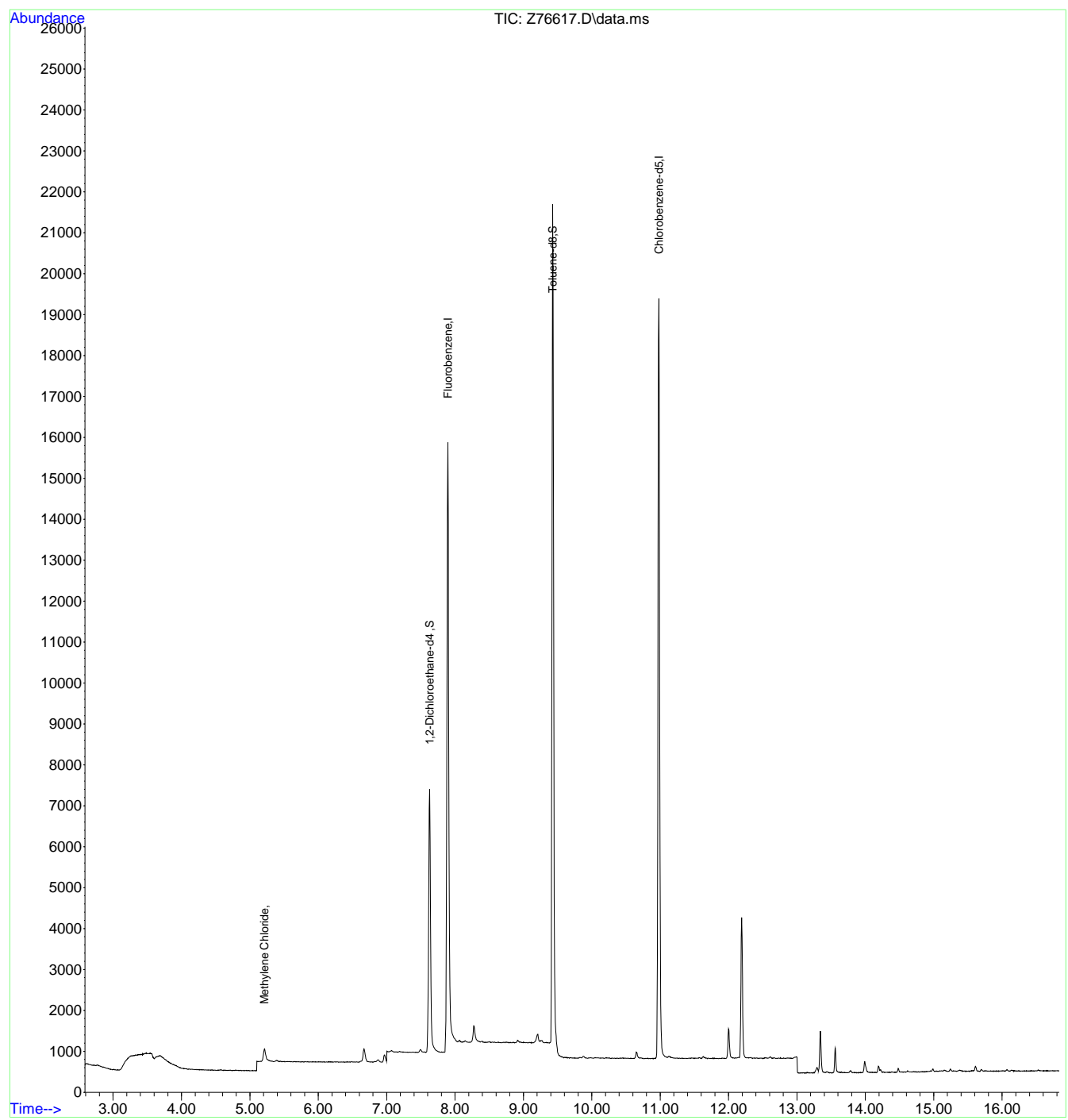
(#) = qualifier out of range (m) = manual integration (+) = signals summed

7.14
7

Quantitation Report (QT Reviewed)

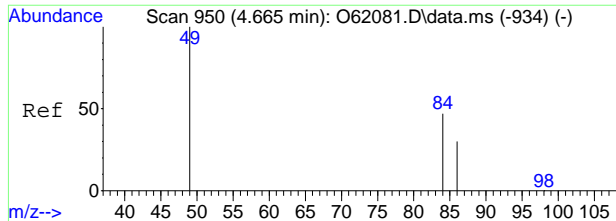
Data Path : C:\msdchem\1\data\082824\
Data File : Z76617.D
Acq On : 28 Aug 2024 2:55 pm
Operator : claudias
Sample : FC18258-4 Inst : MSVOA15-Z
Misc : MS57380,VZ3085,,,,,
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Aug 29 06:50:21 2024
Quant Method : C:\msdchem\1\methods\SIMCL-08-28-2024.M
Quant Title : Standard Methods 6200B
QLast Update : Wed Aug 28 11:30:23 2024
Response via : Initial Calibration



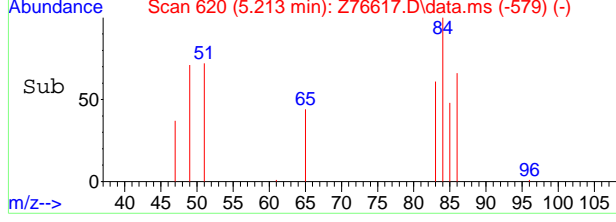
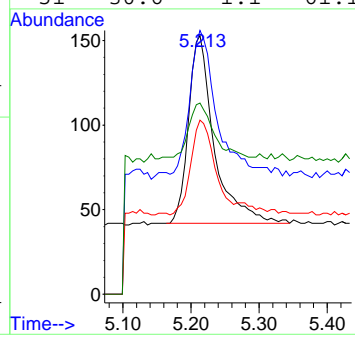
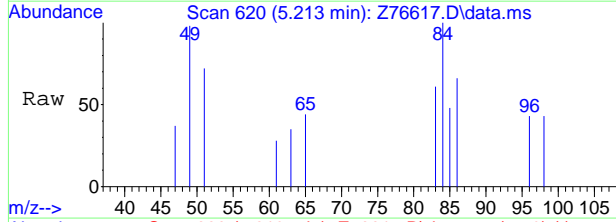
7.1.4
7





#5
 Methylene Chloride
 Concen: 0.10 ug/L
 RT: 5.213 min Scan# 620
 Delta R.T. 0.000 min
 Lab File: Z76617.D
 Acq: 28 Aug 2024 2:55 pm

Tgt Ion	Ratio	Lower	Upper
49	100		
84	77.5	49.7	109.7
86	49.5	22.0	82.0
51	30.6	1.1	61.1



7.1.4
7

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\082824\
Data File : Z76618.D
Acq On : 28 Aug 2024 3:19 pm
Operator : claudias
Sample : FC18258-5 Inst : MSVOA15-Z
Misc : MS57380,VZ3085,,,,,
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Aug 29 06:51:05 2024
Quant Method : C:\msdchem\1\methods\SIMCL-08-28-2024.M
Quant Title : Standard Methods 6200B
QLast Update : Wed Aug 28 11:30:23 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	Qvalue

Internal Standards							
1) Fluorobenzene	7.895	96	19692	5.00	ug/L	0.00	
18) Chlorobenzene-d5	10.981	117	21072	5.00	ug/L	0.00	
System Monitoring Compounds							
13) 1,2-Dichloroethane-d4	7.628	65	6222	5.22	ug/L	0.00	
Spiked Amount	5.000	Range 74 - 125	Recovery	=	104.40%		
19) Toluene-d8	9.428	98	23081	4.91	ug/L	0.00	
Spiked Amount	5.000	Range 88 - 111	Recovery	=	98.20%		
Target Compounds							
5) Methylene Chloride	5.213	49	226	0.07	ug/L	96	
8) cis-1,2-Dichloroethene	6.625	96	307	0.16	ug/L	91	
15) Trichloroethene	8.061	95	1062	0.67	ug/L	91	

(#) = qualifier out of range (m) = manual integration (+) = signals summed

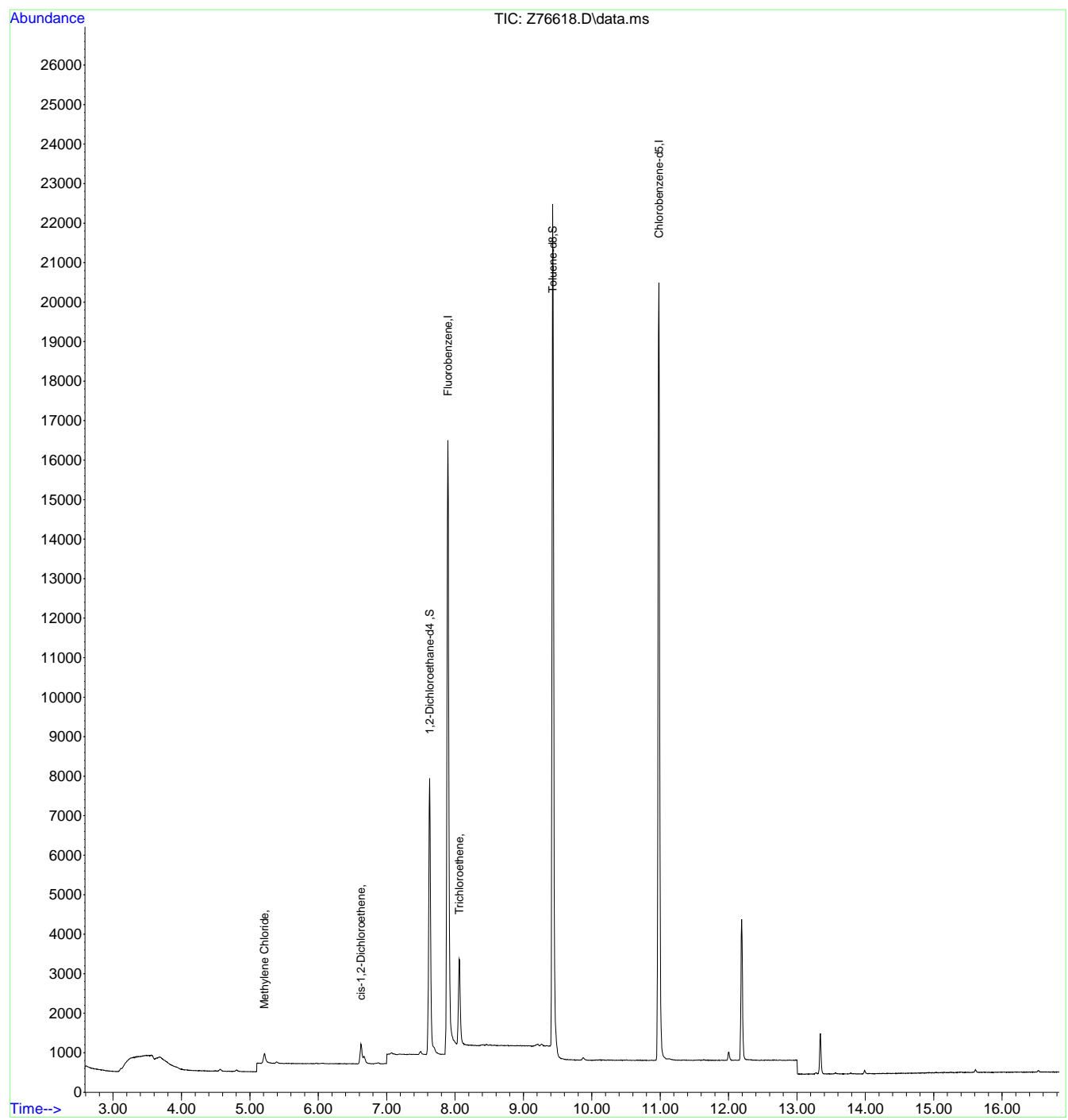
7.15
7

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\082824\
Data File : Z76618.D
Acq On : 28 Aug 2024 3:19 pm
Operator : claudias
Sample : FC18258-5
Misc : MS57380,VZ3085,,,,,
ALS Vial : 7 Sample Multiplier: 1

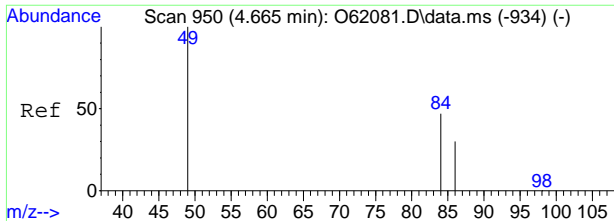
Inst : MSVOA15-Z

Quant Time: Aug 29 06:51:05 2024
Quant Method : C:\msdchem\1\methods\SIMCL-08-28-2024.M
Quant Title : Standard Methods 6200B
QLast Update : Wed Aug 28 11:30:23 2024
Response via : Initial Calibration



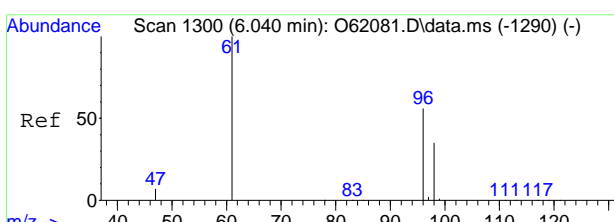
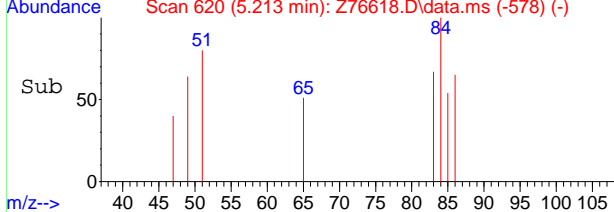
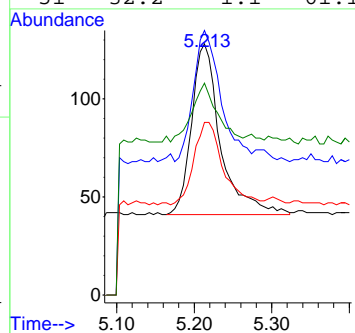
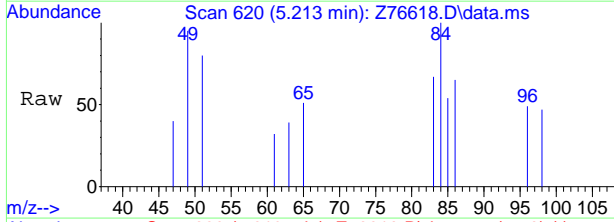
7.15
7





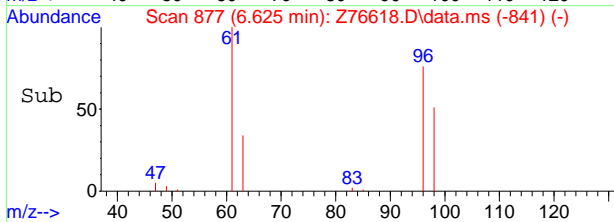
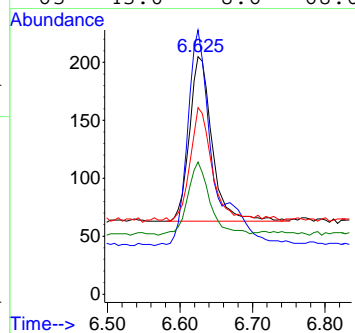
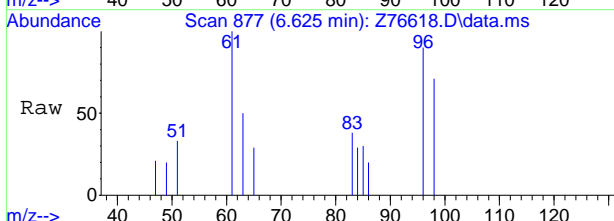
#5
Methylene Chloride
Concen: 0.07 ug/L
RT: 5.213 min Scan# 620
Delta R.T. 0.000 min
Lab File: Z76618.D
Acq: 28 Aug 2024 3:19 pm

Tgt Ion	Ratio	Lower	Upper
49	100		
84	77.0	49.7	109.7
86	47.1	22.0	82.0
51	32.2	1.1	61.1



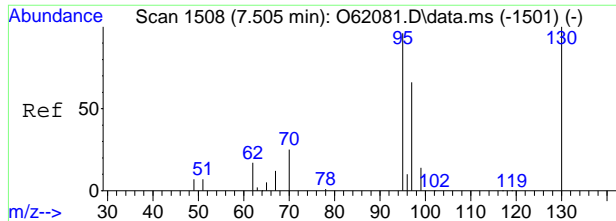
#8
cis-1,2-Dichloroethene
Concen: 0.16 ug/L
RT: 6.625 min Scan# 877
Delta R.T. -0.000 min
Lab File: Z76618.D
Acq: 28 Aug 2024 3:19 pm

Tgt Ion	Ratio	Lower	Upper
96	100		
61	130.3	87.8	147.8
98	67.6	34.4	94.4
63	43.0	8.6	68.6



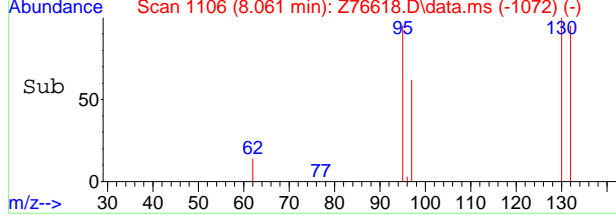
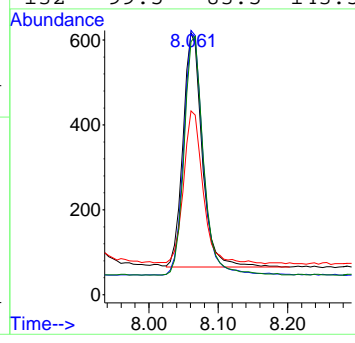
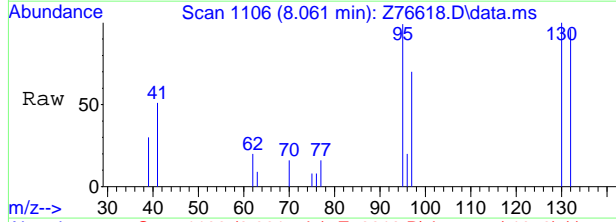
7.15
7





#15
 Trichloroethene
 Concen: 0.67 ug/L
 RT: 8.061 min Scan# 1106
 Delta R.T. -0.000 min
 Lab File: Z76618.D
 Acq: 28 Aug 2024 3:19 pm

Tgt Ion	Ratio	Lower	Upper
95	100		
130	104.2	84.5	144.5
97	64.9	36.4	96.4
132	99.5	83.5	143.5



7.1.5
7



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\082824\
Data File : Z76622.D
Acq On : 28 Aug 2024 4:51 pm
Operator : claudias
Sample : FC18258-6 Inst : MSVOA15-Z
Misc : MS57380,VZ3085,,,,,
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Aug 29 06:54:01 2024
Quant Method : C:\msdchem\1\methods\SIMCL-08-28-2024.M
Quant Title : Standard Methods 6200B
QLast Update : Wed Aug 28 11:30:23 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Fluorobenzene	7.895	96	19799	5.00	ug/L	0.00
18) Chlorobenzene-d5	10.980	117	21209	5.00	ug/L	0.00
System Monitoring Compounds						
13) 1,2-Dichloroethane-d4	7.628	65	6274	5.23	ug/L	0.00
Spiked Amount	5.000	Range 74 - 125	Recovery	=	104.60%	
19) Toluene-d8	9.428	98	23240	4.91	ug/L	0.00
Spiked Amount	5.000	Range 88 - 111	Recovery	=	98.20%	
Target Compounds						
5) Methylene Chloride	5.213	49	238	0.08	ug/L	Qvalue 96
9) Chloroform	6.883	83	429m	0.12	ug/L	

(#) = qualifier out of range (m) = manual integration (+) = signals summed

7.1.6
7

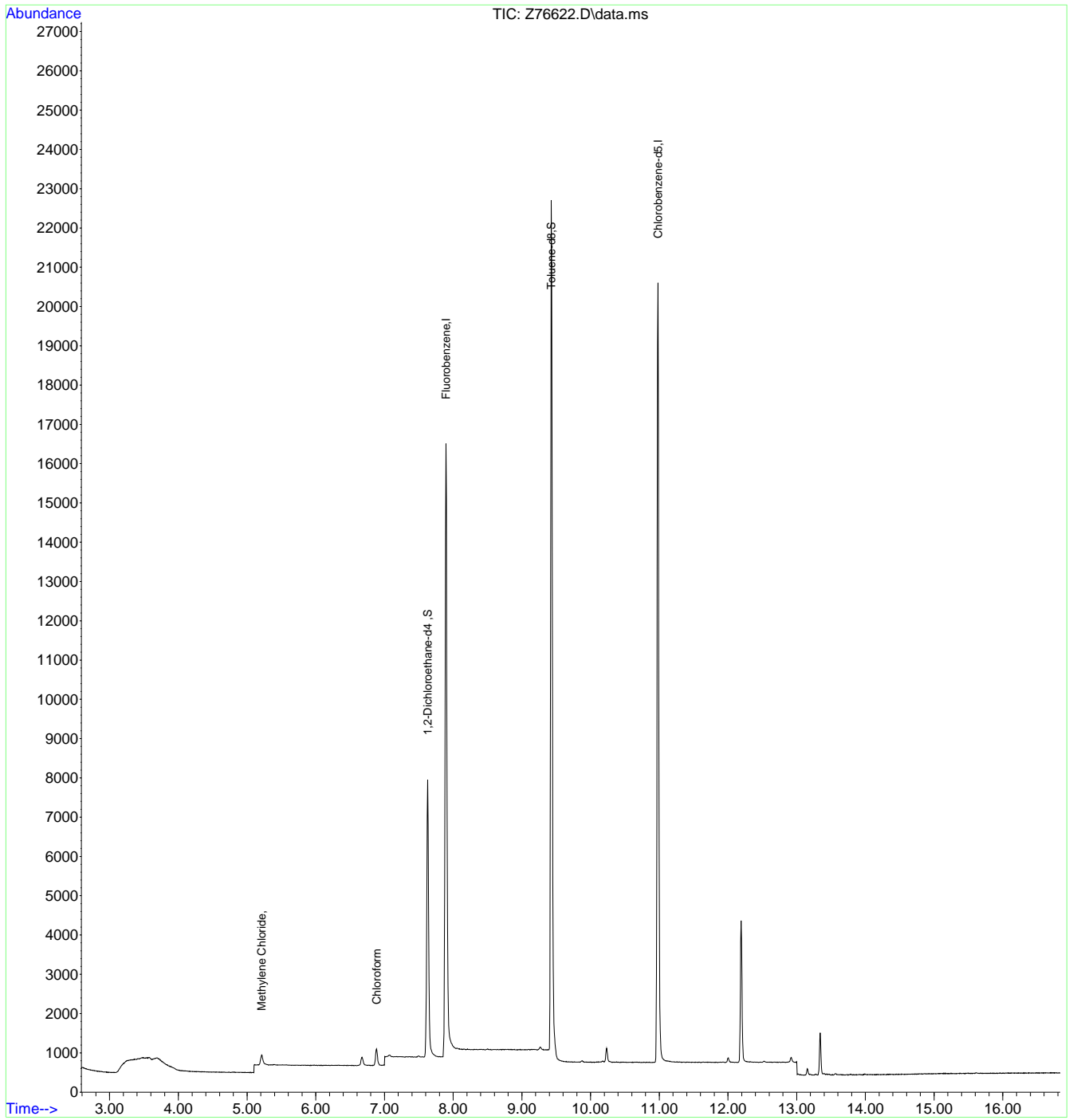


Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\082824\
Data File : Z76622.D
Acq On : 28 Aug 2024 4:51 pm
Operator : claudias
Sample : FC18258-6
Misc : MS57380,VZ3085,,,,,
ALS Vial : 11 Sample Multiplier: 1

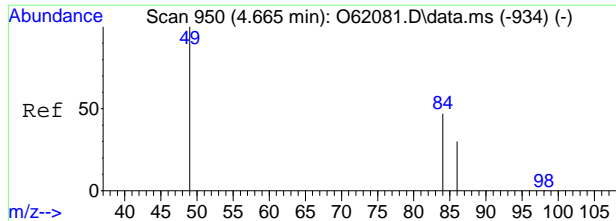
Inst : MSVOA15-Z

Quant Time: Aug 29 06:54:01 2024
Quant Method : C:\msdchem\1\methods\SIMCL-08-28-2024.M
Quant Title : Standard Methods 6200B
QLast Update : Wed Aug 28 11:30:23 2024
Response via : Initial Calibration



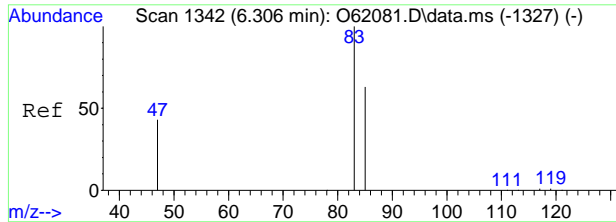
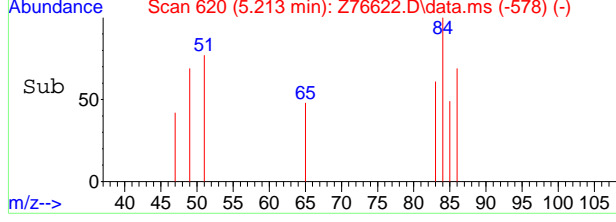
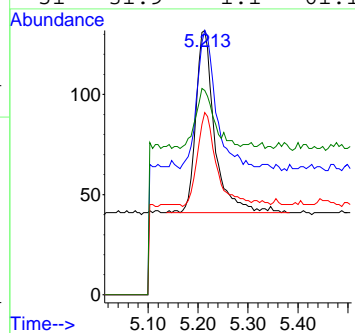
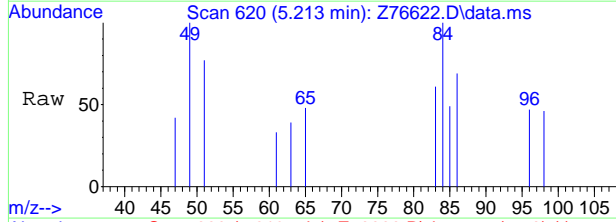
7.1.6
7





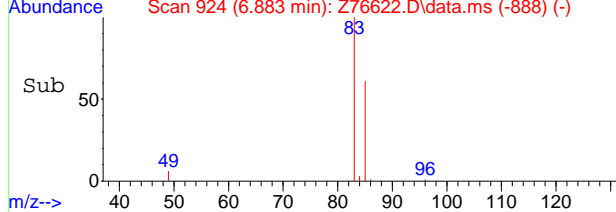
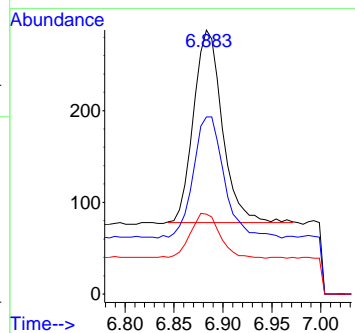
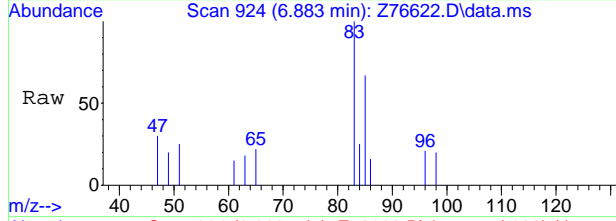
#5
 Methylene Chloride
 Concen: 0.08 ug/L
 RT: 5.213 min Scan# 620
 Delta R.T. 0.000 min
 Lab File: Z76622.D
 Acq: 28 Aug 2024 4:51 pm

Tgt Ion	Ratio	Lower	Upper
49	100		
84	74.7	49.7	109.7
86	50.5	22.0	82.0
51	31.9	1.1	61.1



#9
 Chloroform
 Concen: 0.12 ug/L m
 RT: 6.883 min Scan# 924
 Delta R.T. -0.000 min
 Lab File: Z76622.D
 Acq: 28 Aug 2024 4:51 pm

Tgt Ion	Ratio	Lower	Upper
83	100		
85	67.0	35.9	95.9
47	30.2	0.0	51.0



7.1.6
7



Manual Integration Approval Summary

Sample Number: FC18258-6 **Method:** SW846 8260D BY SIM
Lab FileID: Z76622.D **Analyst approved:** 08/29/24 07:56 Claudia Sosa
Injection Time: 08/28/24 16:51 **Supervisor approved:** 08/29/24 10:02 Karen Watson

Parameter	CAS	Sig#	R.T. (min.)	Reason
Chloroform	67-66-3		6.88	Poor instrument integration

7.1.6.1

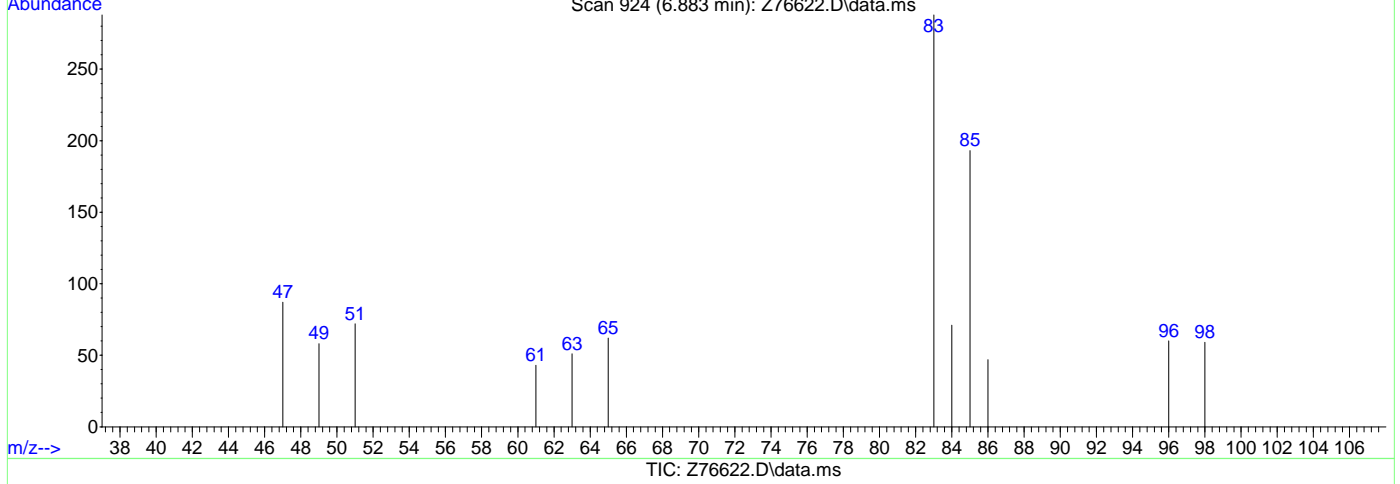
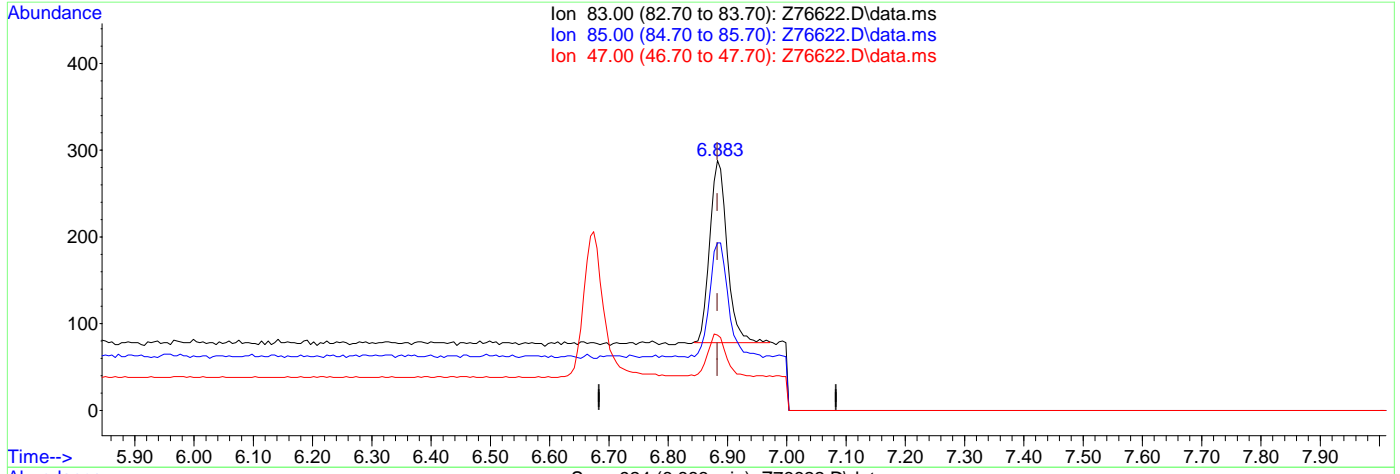
7

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\082824\
Data File : Z76622.D
Acq On : 28 Aug 2024 4:51 pm
Operator : claudias
Sample : FC18258-6
Misc : MS57380,VZ3085,,,,,
ALS Vial : 11 Sample Multiplier: 1

Inst : MSVOA15-Z

Quant Time: Aug 29 06:24:14 2024
Quant Method : C:\msdchem\1\methods\SIMCL-08-28-2024.M
Quant Title : Standard Methods 6200B
QLast Update : Wed Aug 28 11:30:23 2024
Response via : Initial Calibration



(9) Chloroform

6.883min (-0.000) 0.12ug/L m

response 429

Ion	Exp%	Act%
83.00	100	100
85.00	65.90	67.01
47.00	21.00	30.21
0.00	0.00	0.00



7.1.6.2
7

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\082824\
Data File : Z76623.D
Acq On : 28 Aug 2024 5:15 pm
Operator : claudias
Sample : FC18258-7 Inst : MSVOA15-Z
Misc : MS57380,VZ3085,,,,,
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Aug 29 06:54:57 2024
Quant Method : C:\msdchem\1\methods\SIMCL-08-28-2024.M
Quant Title : Standard Methods 6200B
QLast Update : Wed Aug 28 11:30:23 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Fluorobenzene	7.894	96	19896	5.00	ug/L	0.00
18) Chlorobenzene-d5	10.980	117	21523	5.00	ug/L	0.00
System Monitoring Compounds						
13) 1,2-Dichloroethane-d4	7.628	65	6402	5.31	ug/L	0.00
Spiked Amount	5.000	Range 74 - 125	Recovery	=	106.20%	
19) Toluene-d8	9.428	98	23448	4.89	ug/L	0.00
Spiked Amount	5.000	Range 88 - 111	Recovery	=	97.80%	
Target Compounds						
5) Methylene Chloride	5.213	49	275	0.09	ug/L	Qvalue 97
9) Chloroform	6.883	83	1229m	0.35	ug/L	

(#) = qualifier out of range (m) = manual integration (+) = signals summed

7.17
7

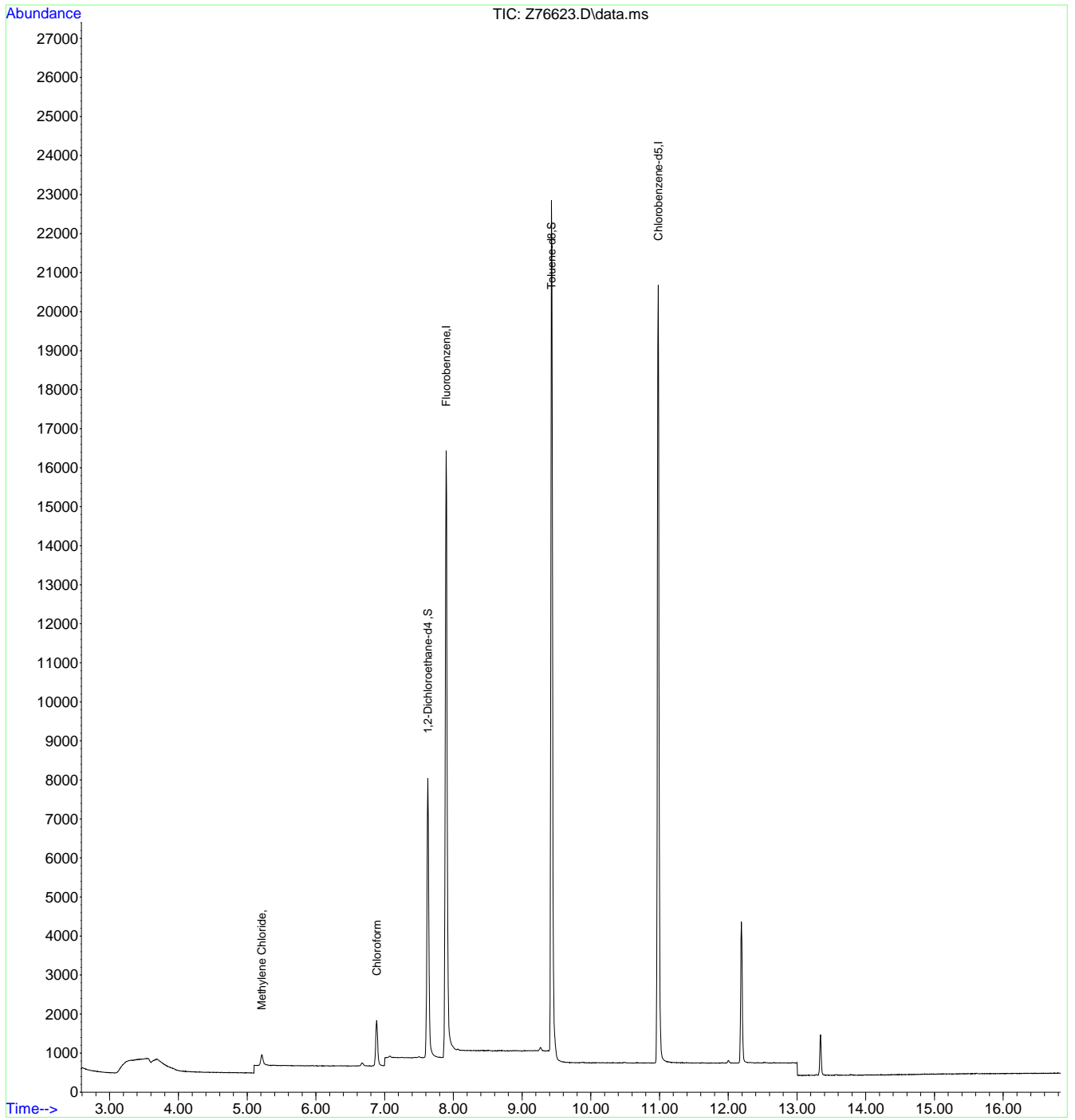


Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\082824\
Data File : Z76623.D
Acq On : 28 Aug 2024 5:15 pm
Operator : claudias
Sample : FC18258-7
Misc : MS57380,VZ3085,,,,,
ALS Vial : 12 Sample Multiplier: 1

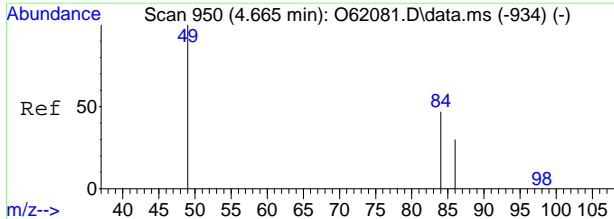
Inst : MSVOA15-Z

Quant Time: Aug 29 06:54:57 2024
Quant Method : C:\msdchem\1\methods\SIMCL-08-28-2024.M
Quant Title : Standard Methods 6200B
QLast Update : Wed Aug 28 11:30:23 2024
Response via : Initial Calibration



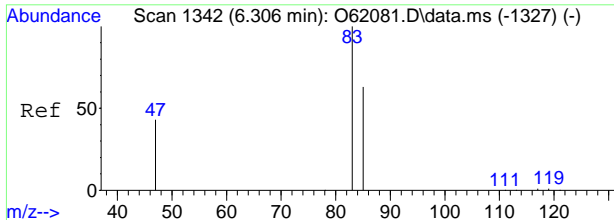
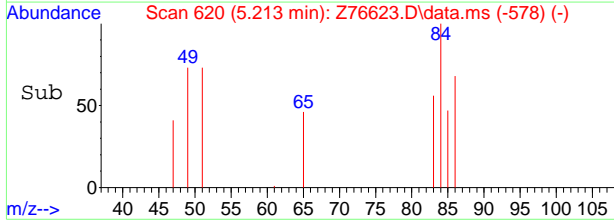
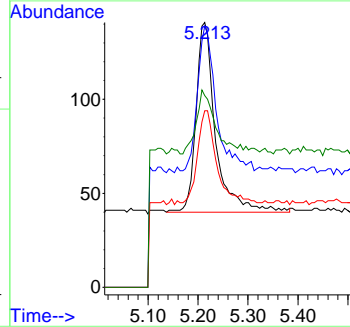
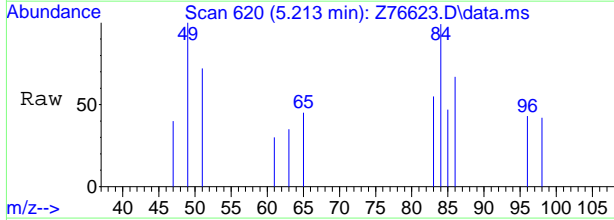
7.1.7
7





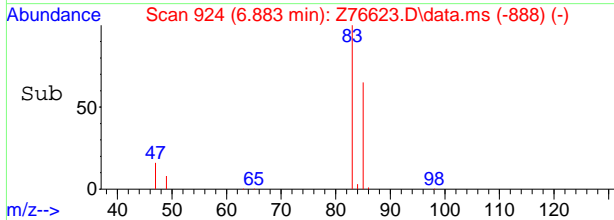
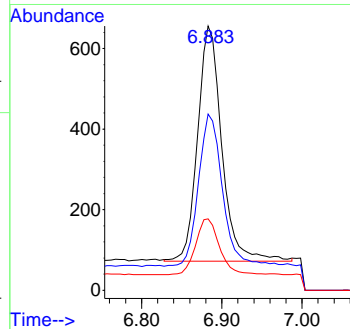
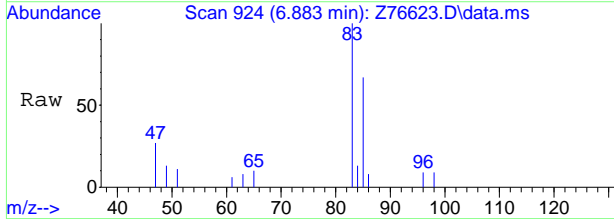
#5
Methylene Chloride
Concen: 0.09 ug/L
RT: 5.213 min Scan# 620
Delta R.T. 0.000 min
Lab File: Z76623.D
Acq: 28 Aug 2024 5:15 pm

Tgt Ion	Ratio	Lower	Upper
49	100		
84	77.2	49.7	109.7
86	49.5	22.0	82.0
51	30.7	1.1	61.1



#9
Chloroform
Concen: 0.35 ug/L m
RT: 6.883 min Scan# 924
Delta R.T. -0.000 min
Lab File: Z76623.D
Acq: 28 Aug 2024 5:15 pm

Tgt Ion	Ratio	Lower	Upper
83	100		
85	66.6	35.9	95.9
47	27.0	0.0	51.0



7.17
7

Manual Integration Approval Summary

Sample Number: FC18258-7 **Method:** SW846 8260D BY SIM
Lab FileID: Z76623.D **Analyst approved:** 08/29/24 07:56 Claudia Sosa
Injection Time: 08/28/24 17:15 **Supervisor approved:** 08/29/24 10:02 Karen Watson

Parameter	CAS	Sig#	R.T. (min.)	Reason
Chloroform	67-66-3		6.88	Poor instrument integration

7.1.7.1

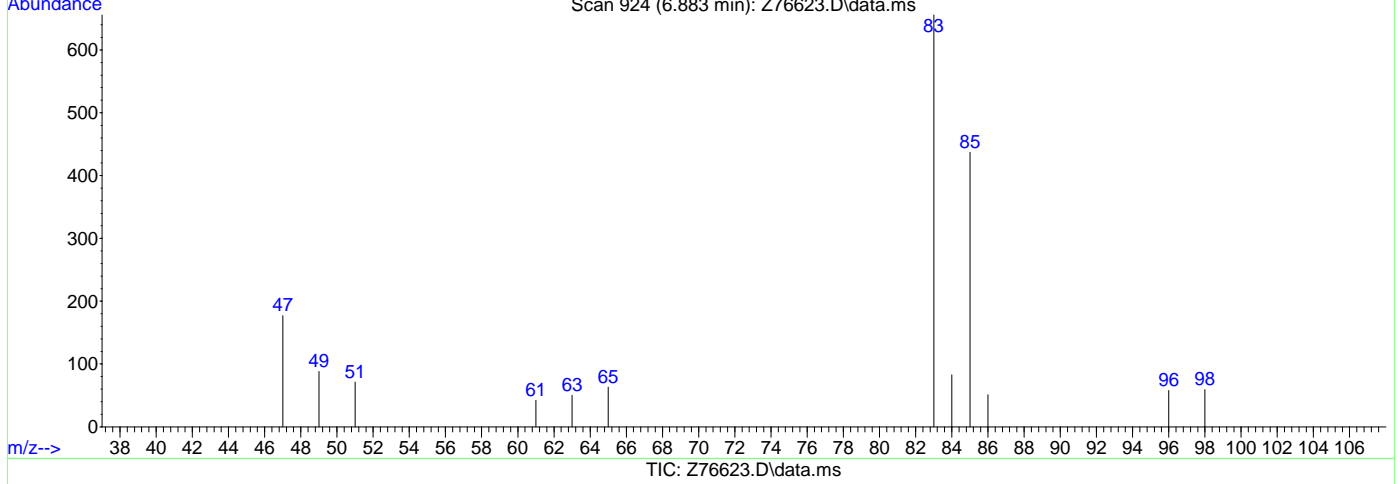
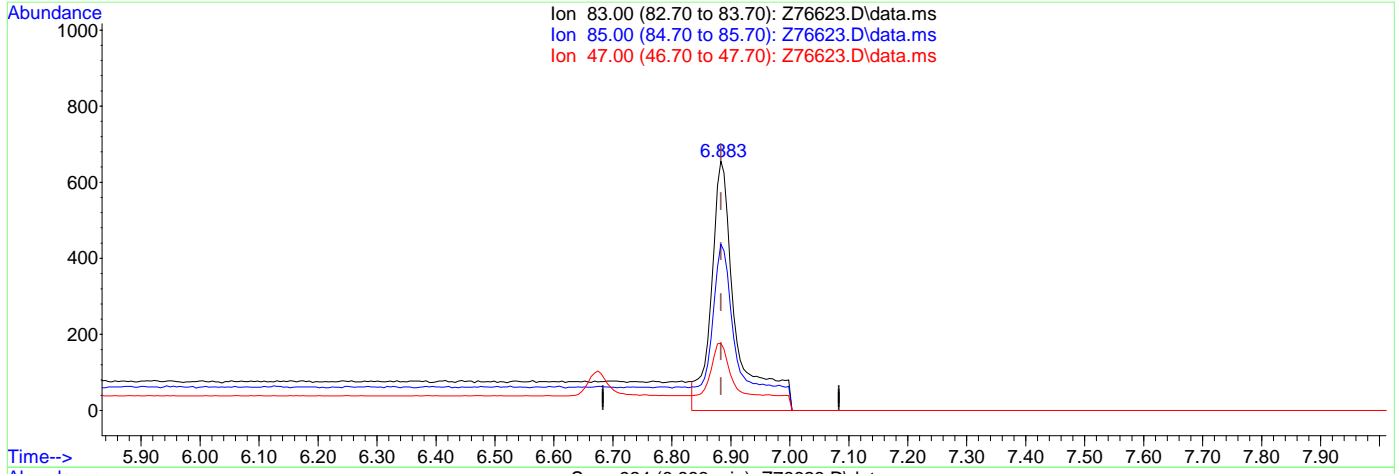
7

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\082824\
Data File : Z76623.D
Acq On : 28 Aug 2024 5:15 pm
Operator : claudias
Sample : FC18258-7
Misc : MS57380,VZ3085,,,,,
ALS Vial : 12 Sample Multiplier: 1

Inst : MSVOA15-Z

Quant Time: Aug 29 06:24:16 2024
Quant Method : C:\msdchem\1\methods\SIMCL-08-28-2024.M
Quant Title : Standard Methods 6200B
QLast Update : Wed Aug 28 11:30:23 2024
Response via : Initial Calibration



(9) Chloroform

6.883min (-0.000) 0.55ug/L

response 1959

Ion	Exp%	Act%
83.00	100	100
85.00	65.90	66.62
47.00	21.00	26.98
0.00	0.00	0.00



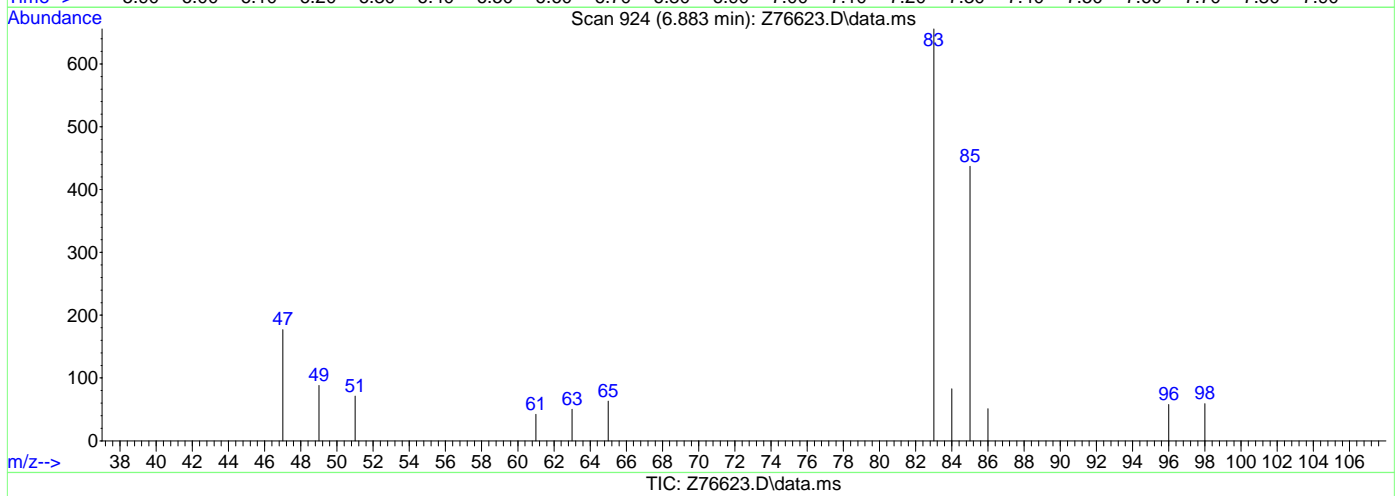
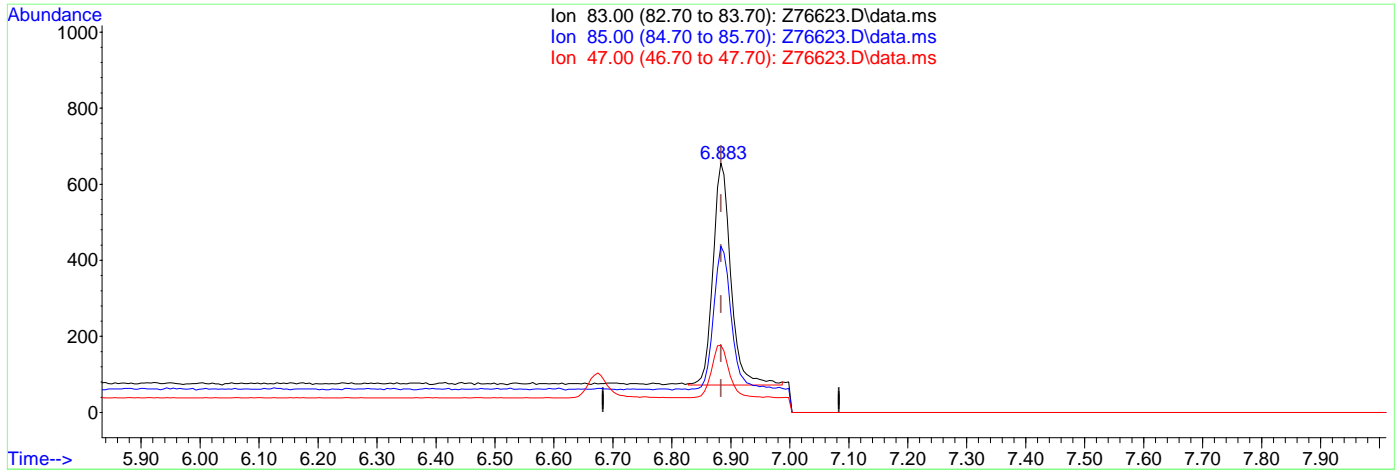
7.1.7.2
7

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\082824\
Data File : Z76623.D
Acq On : 28 Aug 2024 5:15 pm
Operator : claudias
Sample : FC18258-7
Misc : MS57380,VZ3085,,,,,
ALS Vial : 12 Sample Multiplier: 1

Inst : MSVOA15-Z

Quant Time: Aug 29 06:24:16 2024
Quant Method : C:\msdchem\1\methods\SIMCL-08-28-2024.M
Quant Title : Standard Methods 6200B
QLast Update : Wed Aug 28 11:30:23 2024
Response via : Initial Calibration



(9) Chloroform

6.883min (-0.000) 0.35ug/L m

response 1229

Ion	Exp%	Act%
83.00	100	100
85.00	65.90	66.62
47.00	21.00	26.98
0.00	0.00	0.00

7.1.7.3
7

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\082824\
Data File : Z76624.D
Acq On : 28 Aug 2024 5:38 pm
Operator : claudias
Sample : FC18258-8 Inst : MSVOA15-Z
Misc : MS57380,VZ3085,,,,,
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Aug 29 06:55:18 2024
Quant Method : C:\msdchem\1\methods\SIMCL-08-28-2024.M
Quant Title : Standard Methods 6200B
QLast Update : Wed Aug 28 11:30:23 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Fluorobenzene	7.895	96	19567	5.00	ug/L	0.00
18) Chlorobenzene-d5	10.981	117	21111	5.00	ug/L	0.00
System Monitoring Compounds						
13) 1,2-Dichloroethane-d4	7.628	65	6166	5.20	ug/L	0.00
Spiked Amount	5.000	Range 74 - 125	Recovery	=	104.00%	
19) Toluene-d8	9.429	98	23076	4.90	ug/L	0.00
Spiked Amount	5.000	Range 88 - 111	Recovery	=	98.00%	
Target Compounds						
5) Methylene Chloride	5.213	49	282	0.09	ug/L	Qvalue 94

(#) = qualifier out of range (m) = manual integration (+) = signals summed

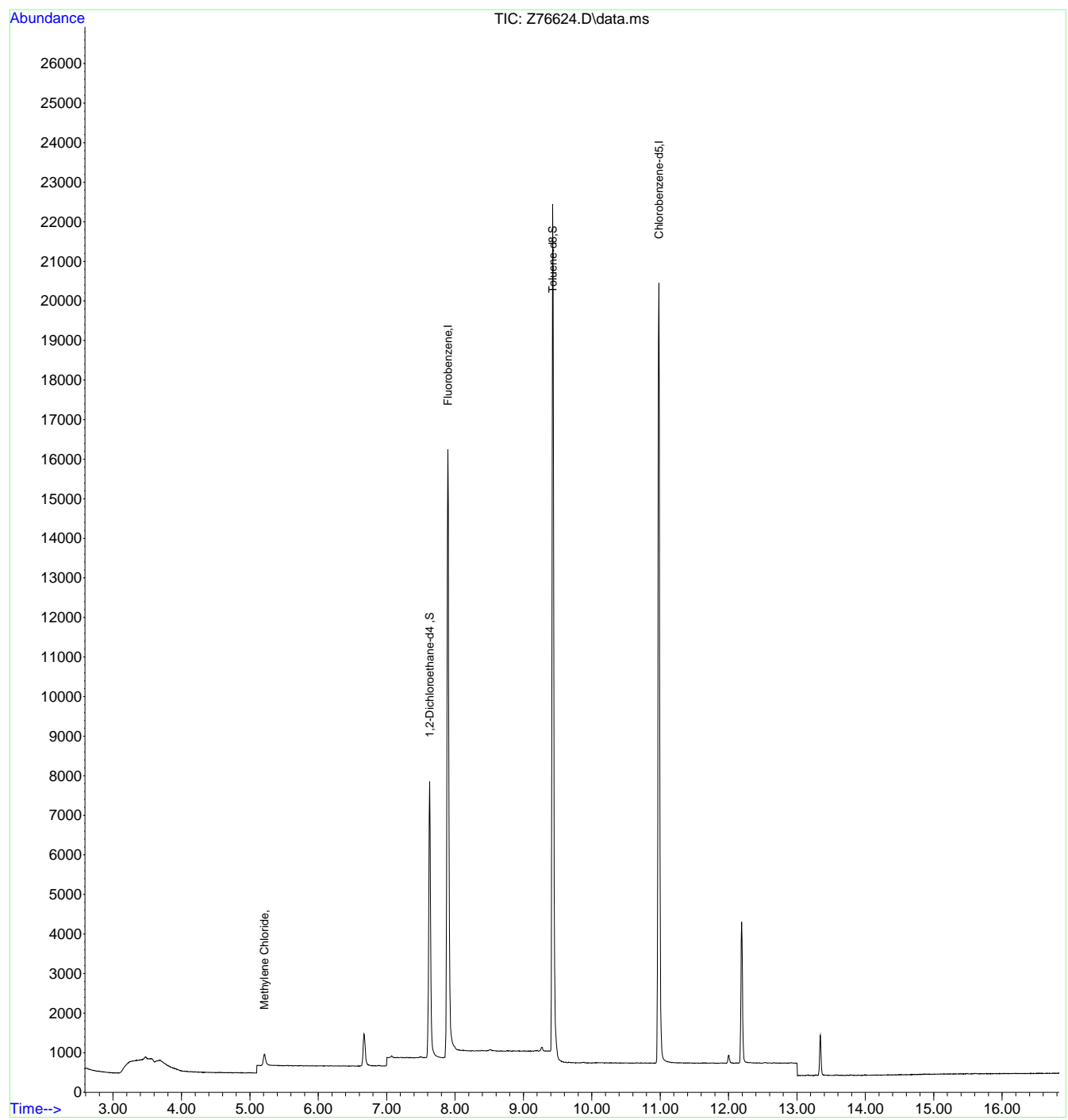
7.1.8
7



Quantitation Report (QT Reviewed)

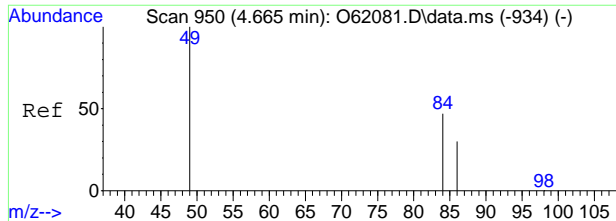
Data Path : C:\msdchem\1\data\082824\
Data File : Z76624.D
Acq On : 28 Aug 2024 5:38 pm
Operator : claudias
Sample : FC18258-8 Inst : MSVOA15-Z
Misc : MS57380,VZ3085,,,,,
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Aug 29 06:55:18 2024
Quant Method : C:\msdchem\1\methods\SIMCL-08-28-2024.M
Quant Title : Standard Methods 6200B
QLast Update : Wed Aug 28 11:30:23 2024
Response via : Initial Calibration



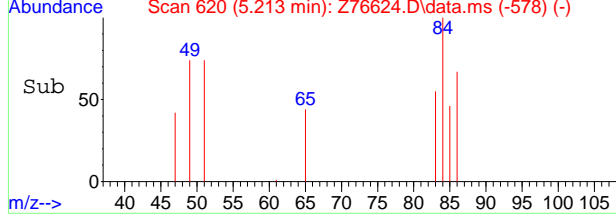
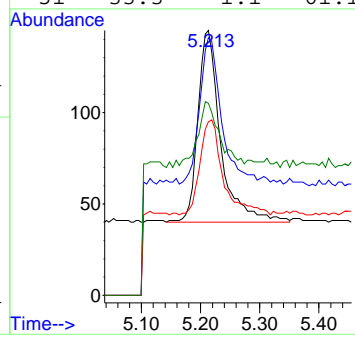
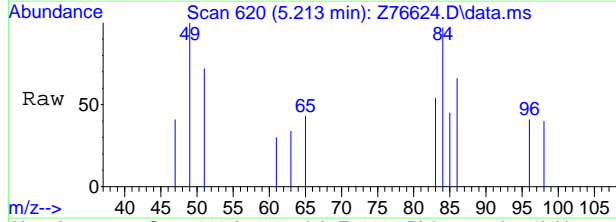
7.1.8
7





#5
 Methylene Chloride
 Concen: 0.09 ug/L
 RT: 5.213 min Scan# 620
 Delta R.T. 0.000 min
 Lab File: Z76624.D
 Acq: 28 Aug 2024 5:38 pm

Tgt Ion	Ratio	Lower	Upper
49	100		
84	74.3	49.7	109.7
86	47.6	22.0	82.0
51	33.3	1.1	61.1



7.1.8
7



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\082824\
Data File : Z76625.D
Acq On : 28 Aug 2024 6:01 pm
Operator : claudias
Sample : FC18258-9 Inst : MSVOA15-Z
Misc : MS57380,VZ3085,,,,,
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Aug 29 06:55:41 2024
Quant Method : C:\msdchem\1\methods\SIMCL-08-28-2024.M
Quant Title : Standard Methods 6200B
QLast Update : Wed Aug 28 11:30:23 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Fluorobenzene	7.894	96	19474	5.00	ug/L	0.00
18) Chlorobenzene-d5	10.980	117	21082	5.00	ug/L	0.00
System Monitoring Compounds						
13) 1,2-Dichloroethane-d4	7.628	65	6214	5.27	ug/L	0.00
Spiked Amount	5.000	Range 74 - 125	Recovery	=	105.40%	
19) Toluene-d8	9.428	98	22997	4.89	ug/L	0.00
Spiked Amount	5.000	Range 88 - 111	Recovery	=	97.80%	
Target Compounds						
5) Methylene Chloride	5.213	49	260	0.09	ug/L	Qvalue 94

(#) = qualifier out of range (m) = manual integration (+) = signals summed

7.1.9
7

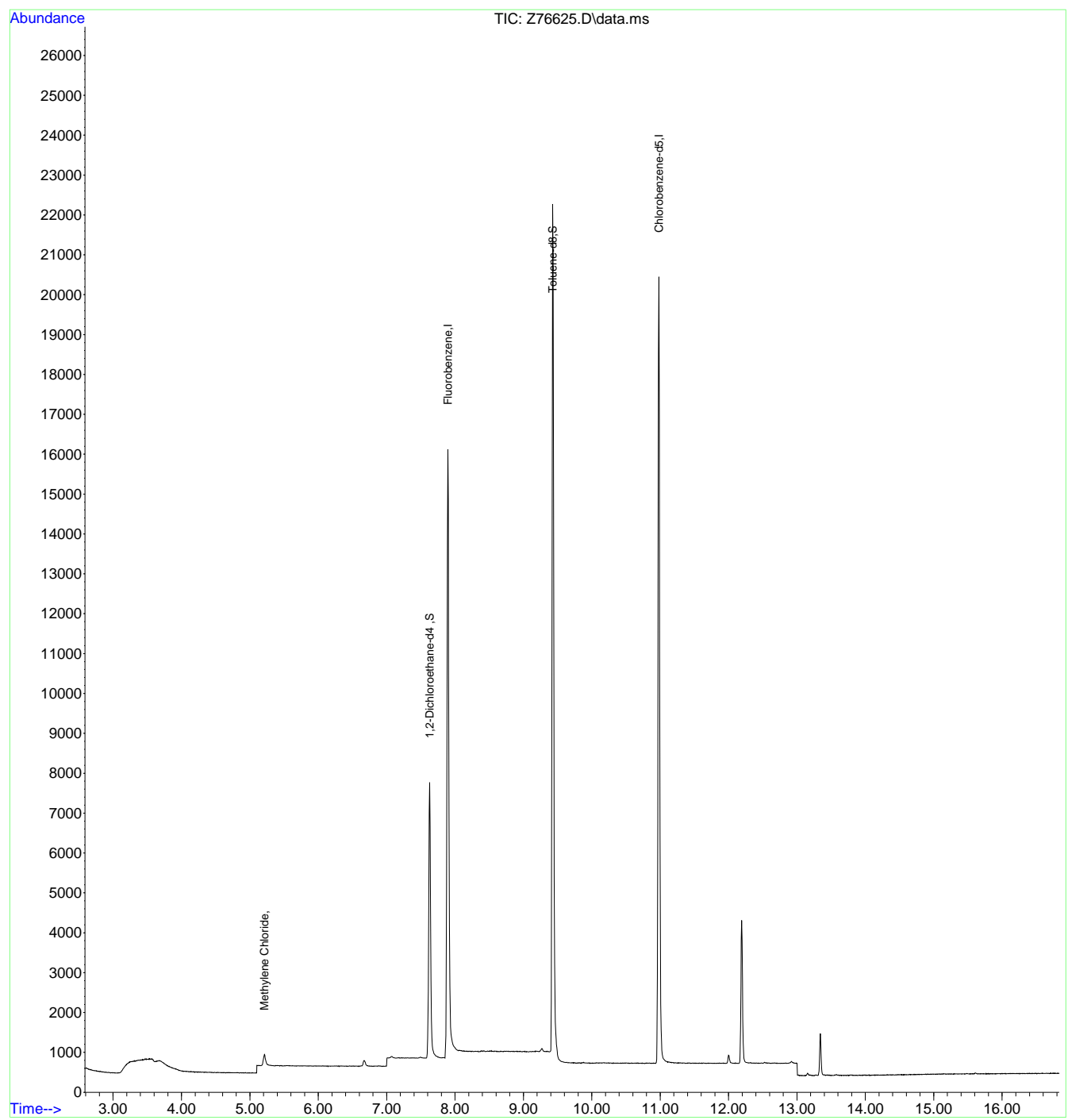


Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\082824\
Data File : Z76625.D
Acq On : 28 Aug 2024 6:01 pm
Operator : claudias
Sample : FC18258-9
Misc : MS57380,VZ3085,,,,,
ALS Vial : 14 Sample Multiplier: 1

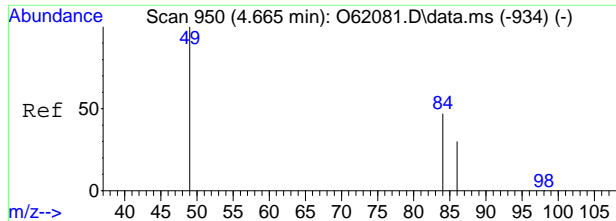
Inst : MSVOA15-Z

Quant Time: Aug 29 06:55:41 2024
Quant Method : C:\msdchem\1\methods\SIMCL-08-28-2024.M
Quant Title : Standard Methods 6200B
QLast Update : Wed Aug 28 11:30:23 2024
Response via : Initial Calibration



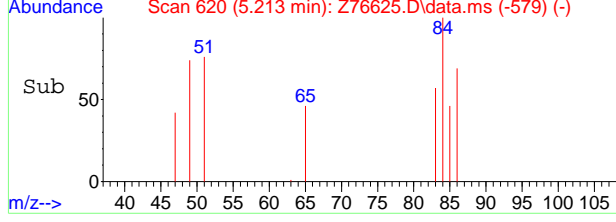
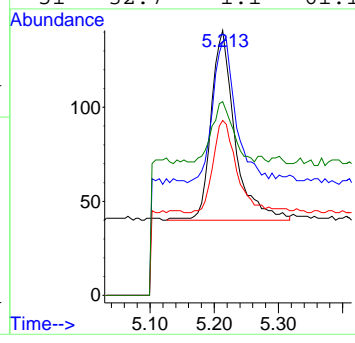
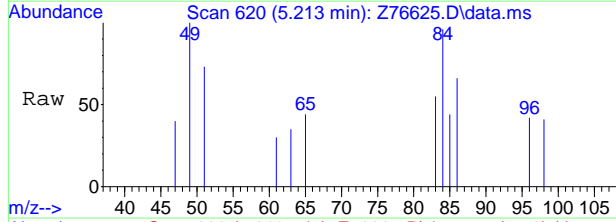
7.1.7





#5
 Methylene Chloride
 Concen: 0.09 ug/L
 RT: 5.213 min Scan# 620
 Delta R.T. 0.000 min
 Lab File: Z76625.D
 Acq: 28 Aug 2024 6:01 pm

Tgt Ion	Ratio	Lower	Upper
49	100		
84	72.3	49.7	109.7
86	48.5	22.0	82.0
51	32.7	1.1	61.1



7.1.9
7



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\082824\
Data File : Z76620.D
Acq On : 28 Aug 2024 4:05 pm
Operator : claudias
Sample : Fc18258-10 Inst : MSVOA15-Z
Misc : MS57380,VZ3085,,,,,
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Aug 29 06:52:24 2024
Quant Method : C:\msdchem\1\methods\SIMCL-08-28-2024.M
Quant Title : Standard Methods 6200B
QLast Update : Wed Aug 28 11:30:23 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Fluorobenzene	7.895	96	19700	5.00	ug/L	0.00
18) Chlorobenzene-d5	10.980	117	20317	5.00	ug/L	0.00
System Monitoring Compounds						
13) 1,2-Dichloroethane-d4	7.628	65	6555	5.49	ug/L	0.00
Spiked Amount	5.000	Range 74 - 125	Recovery	=	109.80%	
19) Toluene-d8	9.428	98	21672	4.78	ug/L	0.00
Spiked Amount	5.000	Range 88 - 111	Recovery	=	95.60%	
Target Compounds						
5) Methylene Chloride	5.213	49	243	0.08	ug/L	Qvalue 94

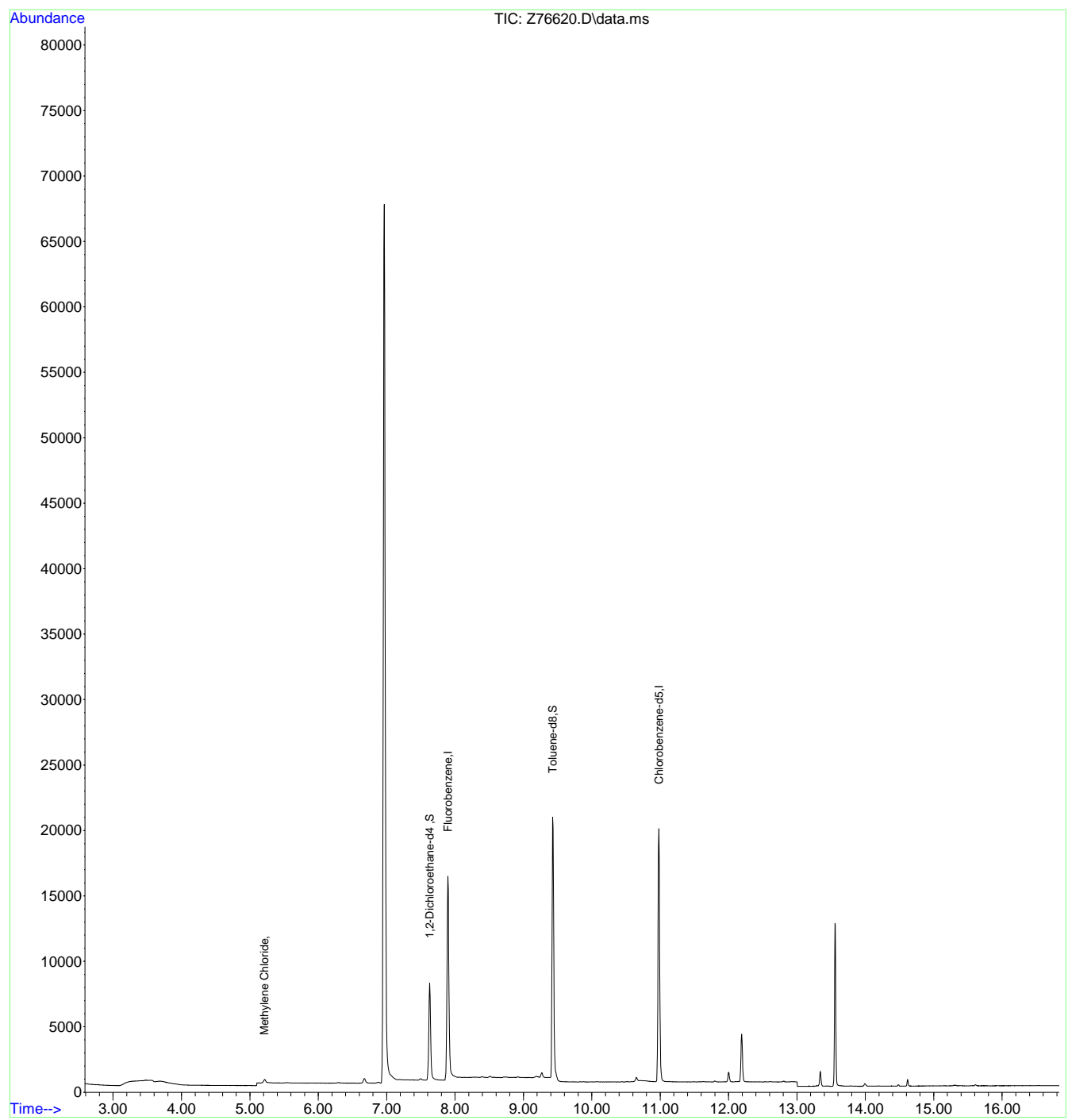
(#) = qualifier out of range (m) = manual integration (+) = signals summed

7.1.10
7

Quantitation Report (QT Reviewed)

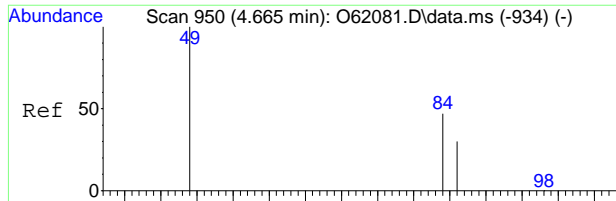
Data Path : C:\msdchem\1\data\082824\
Data File : Z76620.D
Acq On : 28 Aug 2024 4:05 pm
Operator : claudias
Sample : Fc18258-10 Inst : MSVOA15-Z
Misc : MS57380,VZ3085,,,,,
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Aug 29 06:52:24 2024
Quant Method : C:\msdchem\1\methods\SIMCL-08-28-2024.M
Quant Title : Standard Methods 6200B
QLast Update : Wed Aug 28 11:30:23 2024
Response via : Initial Calibration



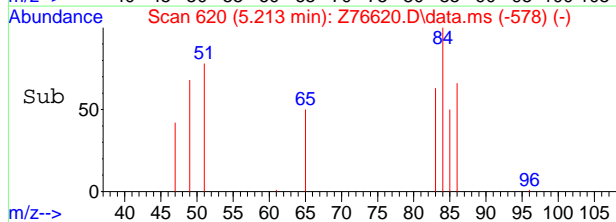
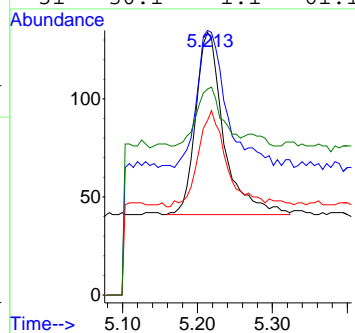
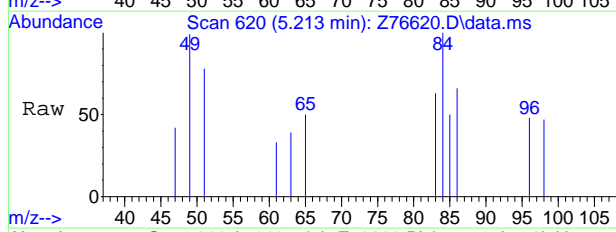
7.1.10
7





#5
 Methylene Chloride
 Concen: 0.08 ug/L
 RT: 5.213 min Scan# 620
 Delta R.T. 0.000 min
 Lab File: Z76620.D
 Acq: 28 Aug 2024 4:05 pm

Tgt Ion	Ratio	Lower	Upper
49	100		
84	74.2	49.7	109.7
86	47.3	22.0	82.0
51	30.1	1.1	61.1



7.1.10
7



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\08-28-24\
 Data File : N0132317.D
 Acq On : 28 Aug 2024 10:32 am
 Operator : jeniferw
 Sample : MB
 Misc : MS57365,VN6710,,,,,
 ALS Vial : 5 Sample Multiplier: 1

Quant Time: Aug 28 10:48:09 2024
 Quant Method : C:\msdchem\1\methods\SIMCL_VN6705_082024.M
 Quant Title : Standard Methods 6200B
 QLast Update : Tue Aug 20 14:01:28 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Fluorobenzene	6.341	96	47341	5.00	ug/L	0.00
18) Chlorobenzene-d5	9.514	117	30013	5.00	ug/L	0.00
System Monitoring Compounds						
13) 1,2-Dichloroethane-d4	6.045	65	21268	5.22	ug/L	0.00
Spiked Amount	5.000	Range 74 - 125	Recovery	=	104.40%	
19) Toluene-d8	7.945	98	34922	5.27	ug/L	0.00
Spiked Amount	5.000	Range 88 - 111	Recovery	=	105.40%	
Target Compounds						
3) Chloromethane	1.982	50	579	0.41	ug/L	97
5) Methylene Chloride	3.718	49	2412	1.10	ug/L	86

(#) = qualifier out of range (m) = manual integration (+) = signals summed

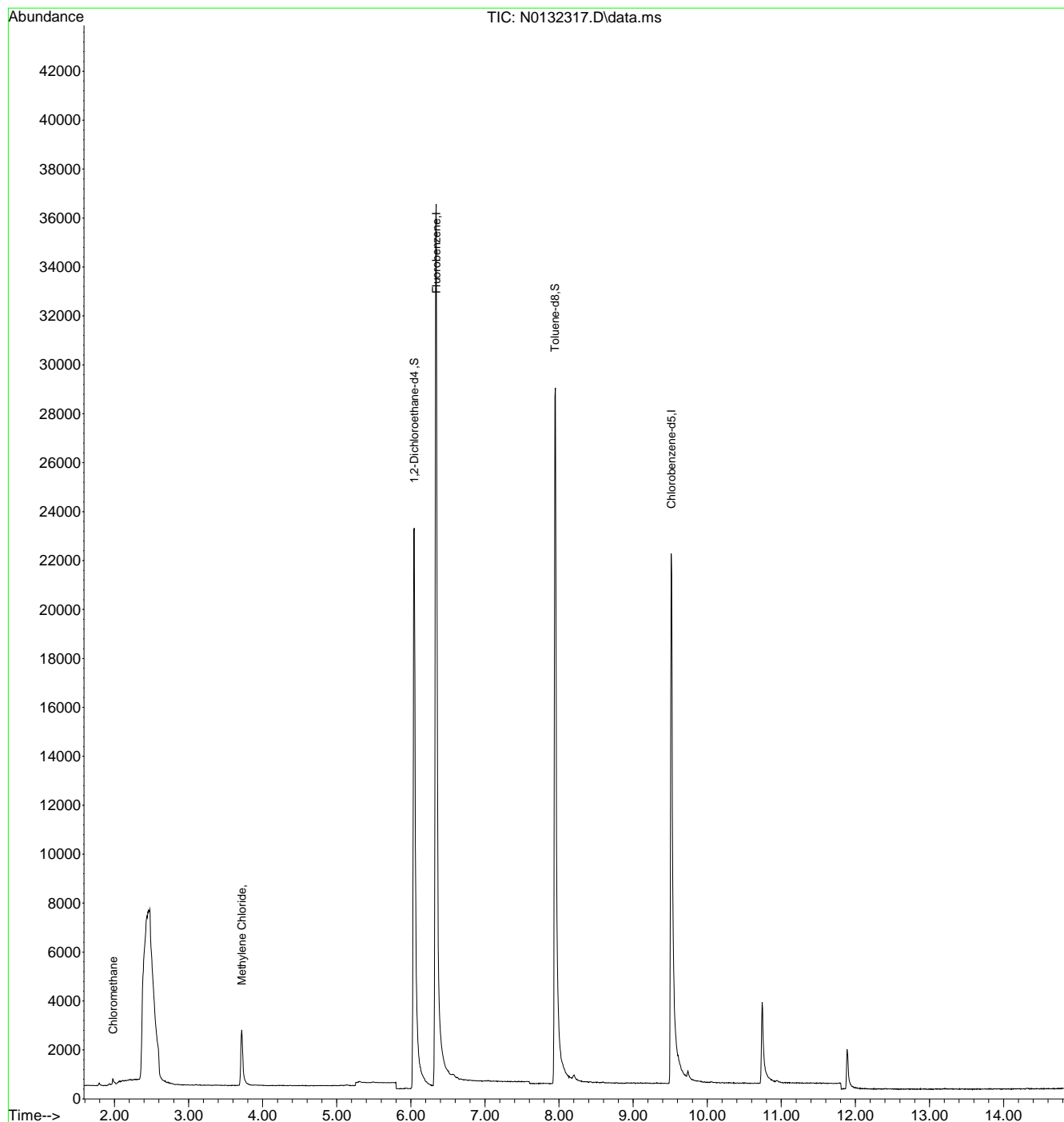
7.2.1
7

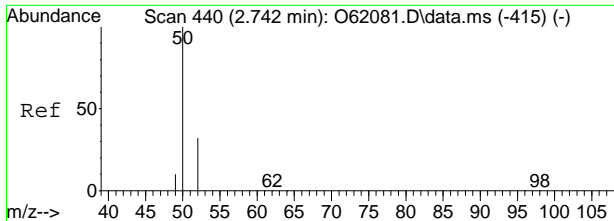


Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\08-28-24\
Data File : N0132317.D
Acq On : 28 Aug 2024 10:32 am
Operator : jeniferw
Sample : MB
Misc : MS57365,VN6710,,,,,
ALS Vial : 5 Sample Multiplier: 1

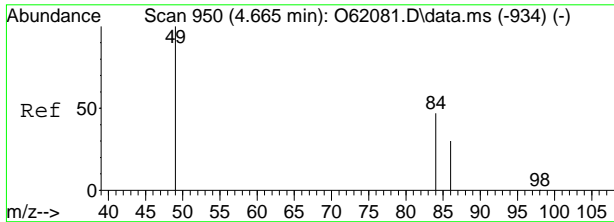
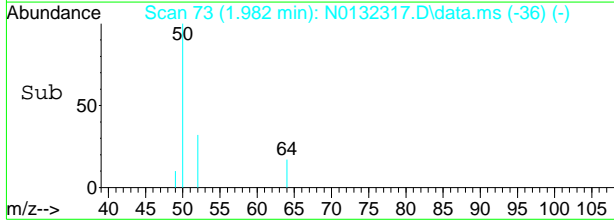
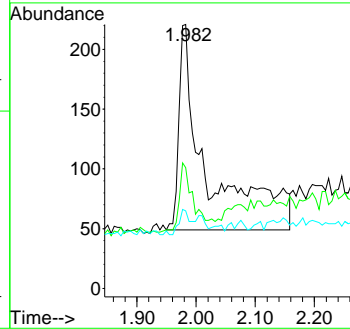
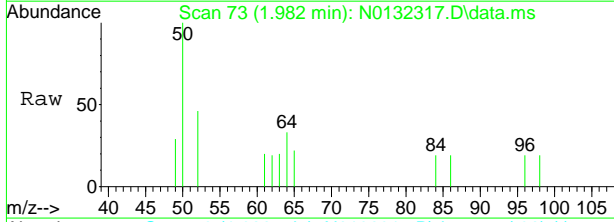
Quant Time: Aug 28 10:48:09 2024
Quant Method : C:\msdchem\1\methods\SIMCL_VN6705_082024.M
Quant Title : Standard Methods 6200B
QLast Update : Tue Aug 20 14:01:28 2024
Response via : Initial Calibration





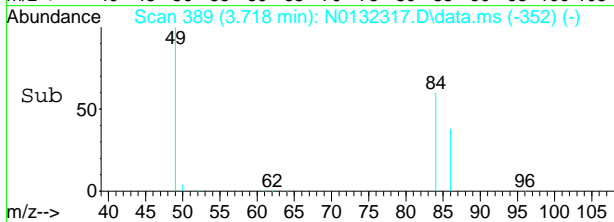
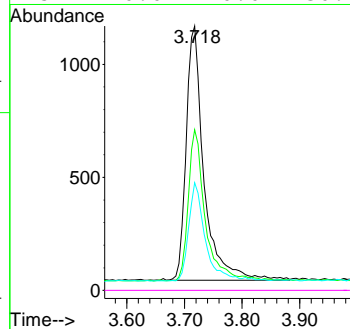
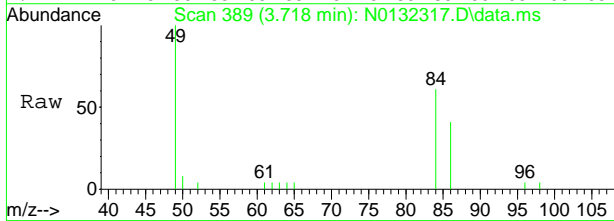
#3
 Chloromethane
 Concen: 0.41 ug/L
 RT: 1.982 min Scan# 73
 Delta R.T. 0.000 min
 Lab File: N0132317.D
 Acq: 28 Aug 2024 10:32 am

Tgt Ion	Resp	Lower	Upper
50	579		
52	30.2	2.1	62.1
49	9.9	0.0	39.6



#5
 Methylene Chloride
 Concen: 1.10 ug/L
 RT: 3.718 min Scan# 389
 Delta R.T. 0.006 min
 Lab File: N0132317.D
 Acq: 28 Aug 2024 10:32 am

Tgt Ion	Resp	Lower	Upper
49	2412		
84	59.5	20.0	80.0
86	38.6	0.4	60.4
51	0.0	0.0	30.0



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\082824\
 Data File : Z76616.D
 Acq On : 28 Aug 2024 2:18 pm
 Operator : claudias
 Sample : MB Inst : MSVOA15-Z
 Misc : MS57380,VZ3085,,,,,
 ALS Vial : 5 Sample Multiplier: 1

Quant Time: Aug 28 14:38:48 2024
 Quant Method : C:\msdchem\1\methods\SIMCL-08-28-2024.M
 Quant Title : Standard Methods 6200B
 QLast Update : Wed Aug 28 11:30:23 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Fluorobenzene	7.894	96	19448	5.00	ug/L	0.00
18) Chlorobenzene-d5	10.980	117	20757	5.00	ug/L	0.00
System Monitoring Compounds						
13) 1,2-Dichloroethane-d4	7.628	65	6023	5.11	ug/L	0.00
Spiked Amount	5.000	Range 74 - 125	Recovery	=	102.20%	
19) Toluene-d8	9.428	98	22721	4.91	ug/L	0.00
Spiked Amount	5.000	Range 88 - 111	Recovery	=	98.20%	
Target Compounds						
5) Methylene Chloride	5.213	49	1567	0.53	ug/L	Qvalue 97

(#) = qualifier out of range (m) = manual integration (+) = signals summed

7.22
7

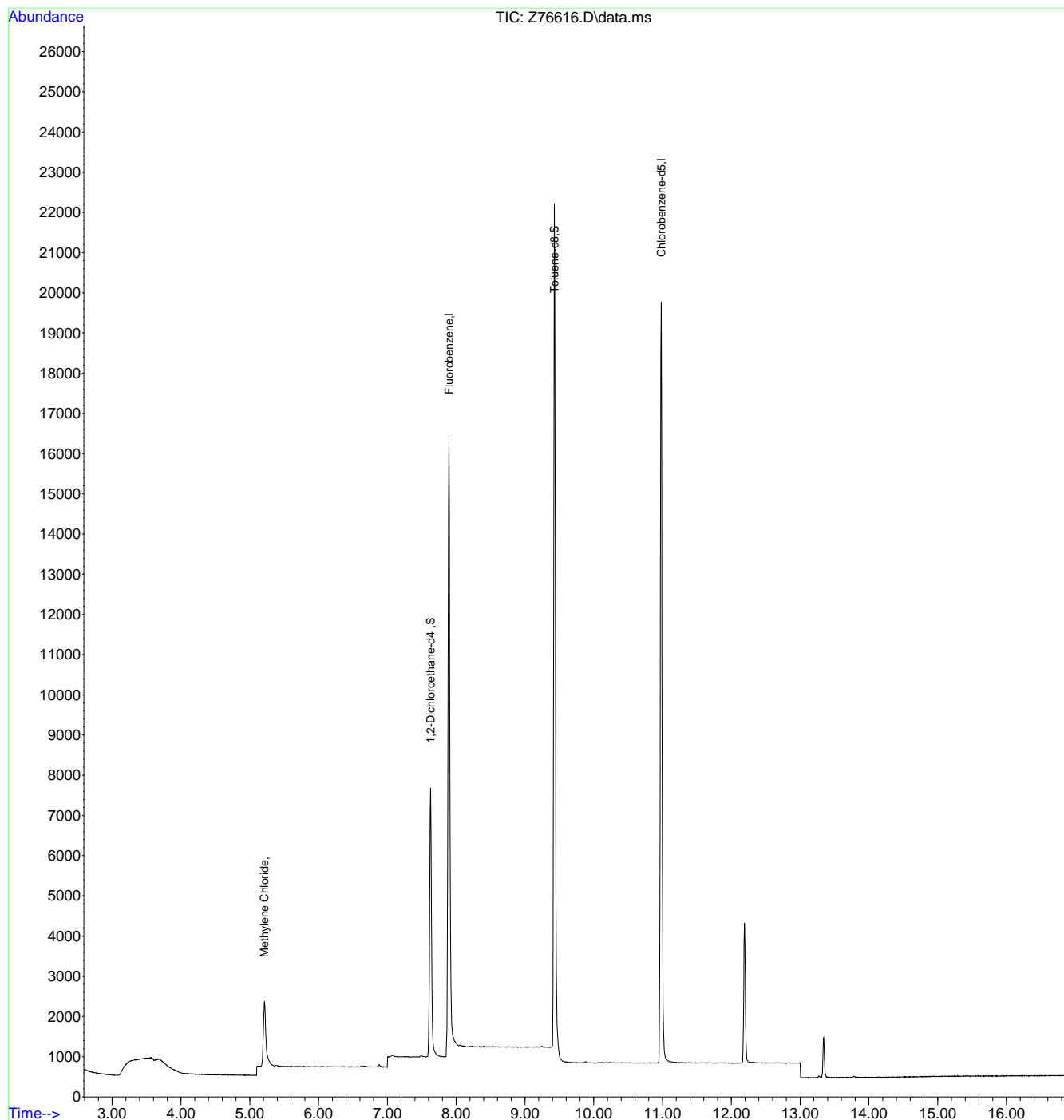


Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\082824\
Data File : Z76616.D
Acq On : 28 Aug 2024 2:18 pm
Operator : claudias
Sample : MB
Misc : MS57380,VZ3085,,,,,
ALS Vial : 5 Sample Multiplier: 1

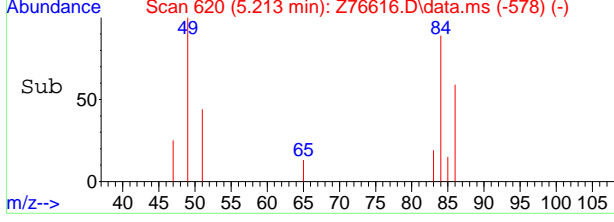
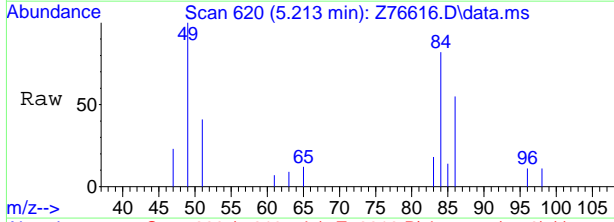
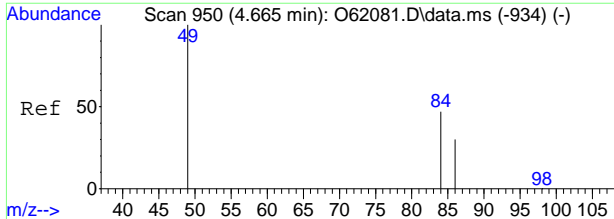
Inst : MSVOA15-Z

Quant Time: Aug 28 14:38:48 2024
Quant Method : C:\msdchem\1\methods\SIMCL-08-28-2024.M
Quant Title : Standard Methods 6200B
QLast Update : Wed Aug 28 11:30:23 2024
Response via : Initial Calibration



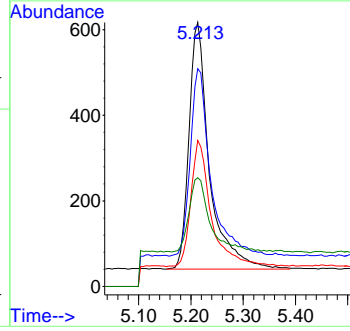
7.22
7





#5
 Methylene Chloride
 Concen: 0.53 ug/L
 RT: 5.213 min Scan# 620
 Delta R.T. 0.000 min
 Lab File: Z76616.D
 Acq: 28 Aug 2024 2:18 pm

Tgt Ion	Ratio	Lower	Upper
49	100		
84	75.7	49.7	109.7
86	51.0	22.0	82.0
51	29.9	1.1	61.1



7.22
7

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\08-28-24\
 Data File : N0132315.D
 Acq On : 28 Aug 2024 9:43 am
 Operator : jeniferw
 Sample : BS
 Misc : MS57365,VN6710,,,,,
 ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 28 10:12:43 2024
 Quant Method : C:\msdchem\1\methods\SIMCL_VN6705_082024.M
 Quant Title : Standard Methods 6200B
 QLast Update : Tue Aug 20 14:01:28 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	

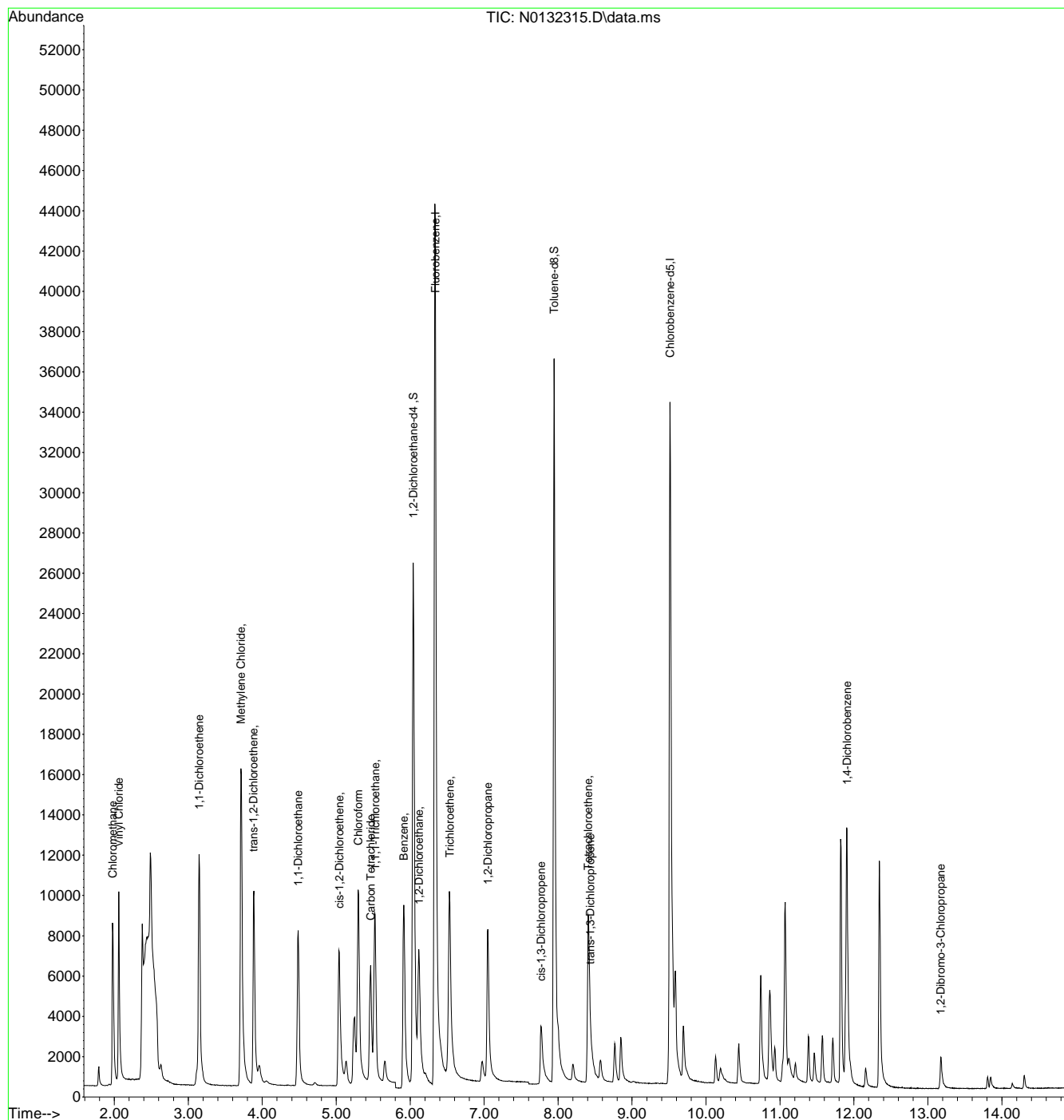
Internal Standards							
1) Fluorobenzene	6.341	96	56392	5.00	ug/L	0.00	
18) Chlorobenzene-d5	9.514	117	34753	5.00	ug/L	0.00	
System Monitoring Compounds							
13) 1,2-Dichloroethane-d4	6.041	65	23690	4.88	ug/L	0.00	
Spiked Amount	5.000	Range 74 - 125	Recovery	=	97.60%		
19) Toluene-d8	7.945	98	40840	5.32	ug/L	0.00	
Spiked Amount	5.000	Range 88 - 111	Recovery	=	106.40%		
Target Compounds							
							Qvalue
2) Vinyl Chloride	2.059	62	8517	6.83	ug/L		99
3) Chloromethane	1.977	50	9288	5.58	ug/L		99
4) 1,1-Dichloroethene	3.147	61	8504	5.12	ug/L		93
5) Methylene Chloride	3.712	49	16551	7.01	ug/L		94
6) trans-1,2-Dichloroethene	3.883	61	7382	5.33	ug/L		99
7) 1,1-Dichloroethane	4.487	63	9928	5.34	ug/L		98
8) cis-1,2-Dichloroethene	5.041	96	4421	5.44	ug/L		96
9) Chloroform	5.296	83	10333	5.19	ug/L		98
10) Carbon Tetrachloride	5.466	117	4273	5.07	ug/L		97
11) 1,1,1-Trichloroethane	5.527	97	6437	5.36	ug/L		98
12) Benzene	5.915	78	16267	5.40	ug/L		100
14) 1,2-Dichloroethane	6.116	62	7850	5.52	ug/L		98
15) Trichloroethene	6.537	95	4577	5.40	ug/L		96
16) 1,2-Dichloropropane	7.053	63	5062	5.33	ug/L		97
17) cis-1,3-Dichloropropene	7.769	75	3987	5.30	ug/L		96
20) trans-1,3-Dichloropropene	8.435	75	3341	5.35	ug/L		94
21) Tetrachloroethene	8.407	166	4586	5.86	ug/L #		97
22) 1,4-Dichlorobenzene	11.906	146	10438	5.88	ug/L		98
23) 1,2-Dibromo-3-Chloropr...	13.173	75	866	5.95	ug/L		98

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\08-28-24\
 Data File : N0132315.D
 Acq On : 28 Aug 2024 9:43 am
 Operator : jeniferw
 Sample : BS
 Misc : MS57365,VN6710,,,,,
 ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 28 10:12:43 2024
 Quant Method : C:\msdchem\1\methods\SIMCL_VN6705_082024.M
 Quant Title : Standard Methods 6200B
 QLast Update : Tue Aug 20 14:01:28 2024
 Response via : Initial Calibration



7.3.1
7

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\082824\
 Data File : Z76614.D
 Acq On : 28 Aug 2024 1:18 pm
 Operator : claudias
 Sample : bs Inst : MSVOA15-Z
 Misc : MS57344,VZ3085,,,,,
 ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 28 13:35:57 2024
 Quant Method : C:\msdchem\1\methods\SIMCL-08-28-2024.M
 Quant Title : Standard Methods 6200B
 QLast Update : Wed Aug 28 11:30:23 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	

Internal Standards							
1) Fluorobenzene	7.895	96	19562	5.00	ug/L	0.00	
18) Chlorobenzene-d5	10.980	117	20179	5.00	ug/L	0.00	
System Monitoring Compounds							
13) 1,2-Dichloroethane-d4	7.628	65	5752	4.85	ug/L	0.00	
Spiked Amount	5.000	Range 74 - 125	Recovery	=	97.00%		
19) Toluene-d8	9.428	98	22317	4.96	ug/L	0.00	
Spiked Amount	5.000	Range 88 - 111	Recovery	=	99.20%		
Target Compounds							
							Qvalue
2) Vinyl Chloride	3.188	62	8070	4.07	ug/L		97
3) Chloromethane	3.133	50	8934	3.96	ug/L		98
4) 1,1-Dichloroethene	4.566	61	11179	5.02	ug/L		99
5) Methylene Chloride	5.213	49	15477	5.72	ug/L		98
6) trans-1,2-Dichloroethene	5.389	61	11096	5.21	ug/L		99
7) 1,1-Dichloroethane	6.059	63	14166	5.61	ug/L		100
8) cis-1,2-Dichloroethene	6.625	96	8815	5.12	ug/L		97
9) Chloroform	6.883	83	16380	4.98	ug/L		99
10) Carbon Tetrachloride	7.051	117	11805	4.83	ug/L		99
11) 1,1,1-Trichloroethane	7.119	97	13748	5.16	ug/L		95
12) Benzene	7.492	78	28628	5.05	ug/L		95
14) 1,2-Dichloroethane	7.696	62	10745	5.15	ug/L		95
15) Trichloroethene	8.061	95	7999	5.22	ug/L		92
16) 1,2-Dichloropropane	8.588	63	7993	5.14	ug/L		93
17) cis-1,3-Dichloropropene	9.240	75	11941	4.97	ug/L		90
20) trans-1,3-Dichloropropene	9.874	75	9992	4.60	ug/L		94
21) Tetrachloroethene	9.874	166	7805	5.12	ug/L #		93
22) 1,4-Dichlorobenzene	13.358	146	17612	5.13	ug/L		96
23) 1,2-Dibromo-3-Chloropr...	14.520	75	2292	4.88	ug/L		80

(#) = qualifier out of range (m) = manual integration (+) = signals summed

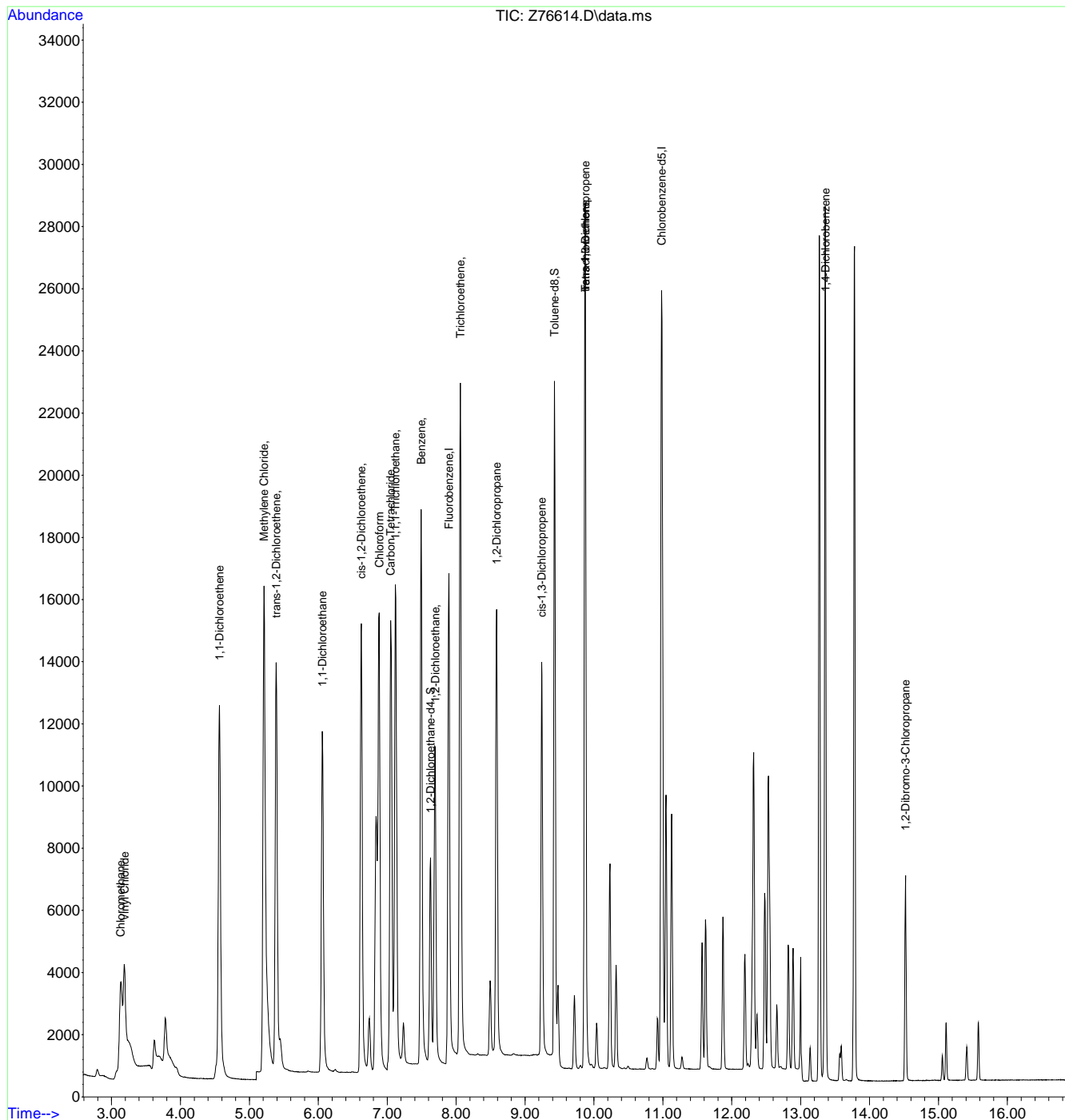
7.32
7

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\082824\
Data File : Z76614.D
Acq On : 28 Aug 2024 1:18 pm
Operator : claudias
Sample : bs
Misc : MS57344,VZ3085,,,,,
ALS Vial : 3 Sample Multiplier: 1

Inst : MSVOA15-Z

Quant Time: Aug 28 13:35:57 2024
Quant Method : C:\msdchem\1\methods\SIMCL-08-28-2024.M
Quant Title : Standard Methods 6200B
QLast Update : Wed Aug 28 11:30:23 2024
Response via : Initial Calibration



7.3.2
7



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\08-28-24\
 Data File : N0132338.D
 Acq On : 28 Aug 2024 7:16 pm
 Operator : jeniferw
 Sample : FC18255-2MS
 Misc : MS57378,VN6710,,,,,5
 ALS Vial : 26 Sample Multiplier: 1

Quant Time: Aug 29 05:52:44 2024
 Quant Method : C:\msdchem\1\methods\SIMCL_VN6705_082024.M
 Quant Title : Standard Methods 6200B
 QLast Update : Tue Aug 20 14:01:28 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	

Internal Standards							
1) Fluorobenzene	6.341	96	46514	5.00	ug/L	0.00	
18) Chlorobenzene-d5	9.514	117	29231	5.00	ug/L	0.00	
System Monitoring Compounds							
13) 1,2-Dichloroethane-d4	6.041	65	21053	5.26	ug/L	0.00	
Spiked Amount	5.000	Range 74 - 125	Recovery	=	105.20%		
19) Toluene-d8	7.945	98	33635	5.21	ug/L	0.00	
Spiked Amount	5.000	Range 88 - 111	Recovery	=	104.20%		
Target Compounds							
							Qvalue
2) Vinyl Chloride	2.059	62	7380	7.17	ug/L		96
3) Chloromethane	1.977	50	8652	6.30	ug/L		99
4) 1,1-Dichloroethene	3.147	61	7085	5.18	ug/L		91
5) Methylene Chloride	3.712	49	21991	12.61	ug/L		92
6) trans-1,2-Dichloroethene	3.883	61	6464	5.66	ug/L		98
7) 1,1-Dichloroethane	4.487	63	9406	6.13	ug/L		100
8) cis-1,2-Dichloroethene	5.041	96	3960	5.91	ug/L		93
9) Chloroform	5.296	83	9769	6.02	ug/L		96
10) Carbon Tetrachloride	5.466	117	3345	4.81	ug/L		98
11) 1,1,1-Trichloroethane	5.527	97	5466	5.52	ug/L		98
12) Benzene	5.915	78	14179	5.71	ug/L		98
14) 1,2-Dichloroethane	6.116	62	7094	6.05	ug/L		99
15) Trichloroethene	6.531	95	4590	6.56	ug/L		98
16) 1,2-Dichloropropane	7.052	63	4672	5.96	ug/L		98
17) cis-1,3-Dichloropropene	7.774	75	3017	4.86	ug/L		99
20) trans-1,3-Dichloropropene	8.435	75	2610	5.00	ug/L		89
21) Tetrachloroethene	8.413	166	4127	6.27	ug/L #		99
22) 1,4-Dichlorobenzene	11.906	146	9217	6.17	ug/L		97
23) 1,2-Dibromo-3-Chloropr...	13.179	75	620	5.07	ug/L		94

(#) = qualifier out of range (m) = manual integration (+) = signals summed

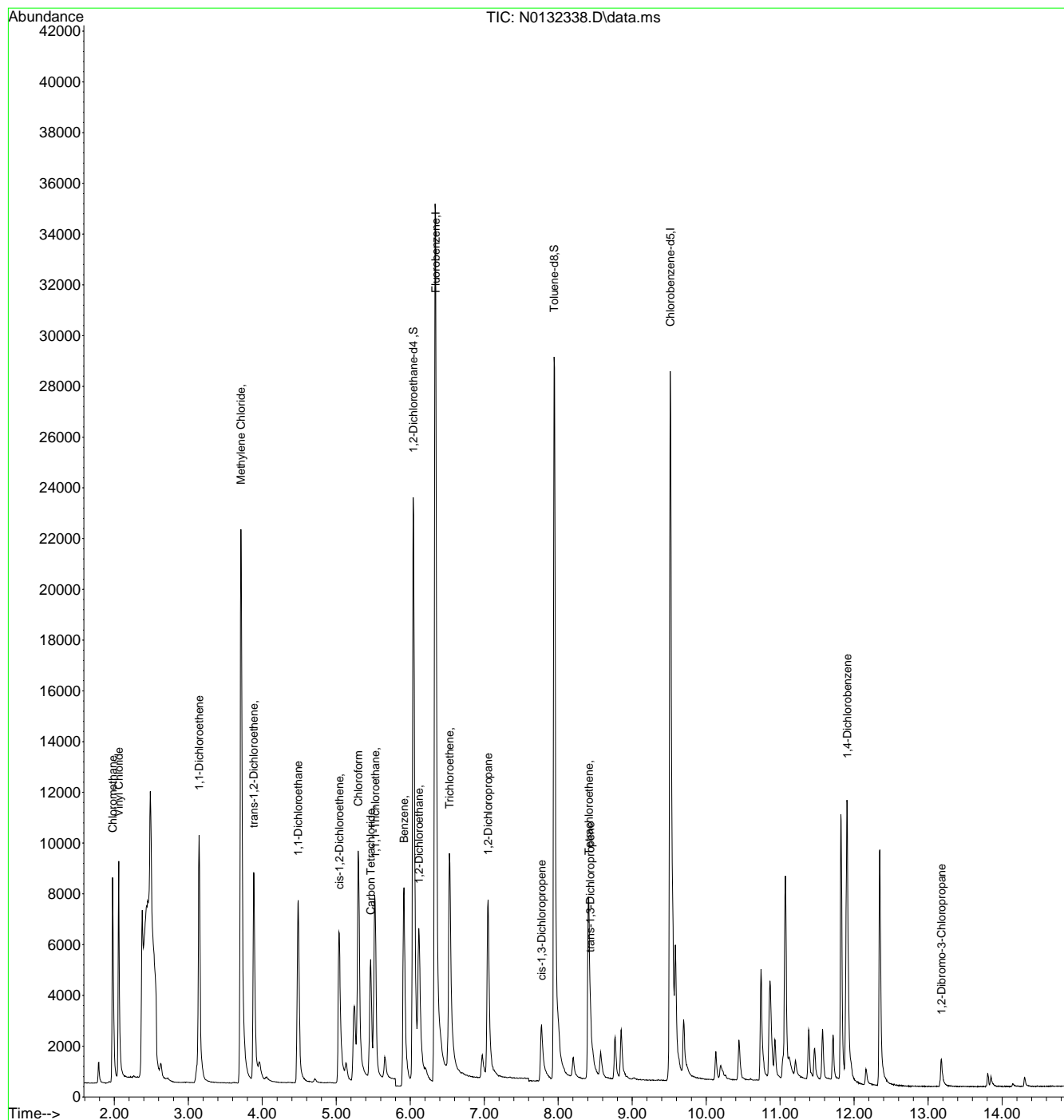
7.4.1

7

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\08-28-24\
 Data File : N0132338.D
 Acq On : 28 Aug 2024 7:16 pm
 Operator : jeniferw
 Sample : FC18255-2MS
 Misc : MS57378,VN6710,,,,,5
 ALS Vial : 26 Sample Multiplier: 1

Quant Time: Aug 29 05:52:44 2024
 Quant Method : C:\msdchem\1\methods\SIMCL_VN6705_082024.M
 Quant Title : Standard Methods 6200B
 QLast Update : Tue Aug 20 14:01:28 2024
 Response via : Initial Calibration



7.4.1
7



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\08-28-24\
 Data File : N0132339.D
 Acq On : 28 Aug 2024 7:41 pm
 Operator : jeniferw
 Sample : FC18255-2MSD
 Misc : MS57378,VN6710,,,,,5
 ALS Vial : 27 Sample Multiplier: 1

Quant Time: Aug 29 05:52:46 2024
 Quant Method : C:\msdchem\1\methods\SIMCL_VN6705_082024.M
 Quant Title : Standard Methods 6200B
 QLast Update : Tue Aug 20 14:01:28 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

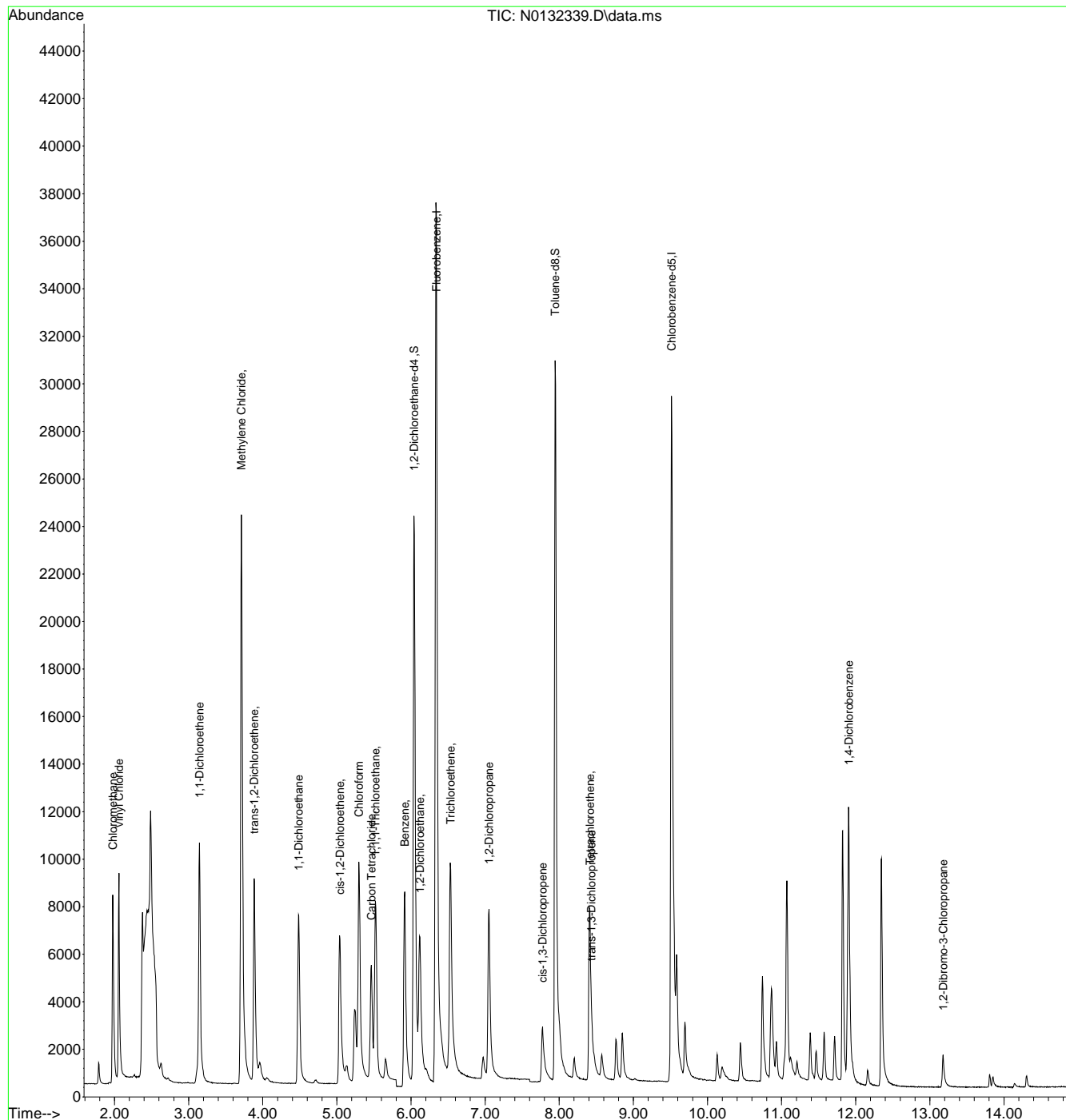
Internal Standards						
1) Fluorobenzene	6.341	96	49424	5.00	ug/L	0.00
18) Chlorobenzene-d5	9.514	117	35151	5.00	ug/L	0.00
System Monitoring Compounds						
13) 1,2-Dichloroethane-d4	6.041	65	21783	5.12	ug/L	0.00
Spiked Amount	5.000	Range 74 - 125	Recovery	=	102.40%	
19) Toluene-d8	7.945	98	35282	4.55	ug/L	0.00
Spiked Amount	5.000	Range 88 - 111	Recovery	=	91.00%	
Target Compounds						
						Qvalue
2) Vinyl Chloride	2.059	62	7583	6.93	ug/L	94
3) Chloromethane	1.977	50	8844	6.06	ug/L	99
4) 1,1-Dichloroethene	3.147	61	7298	5.02	ug/L	87
5) Methylene Chloride	3.712	49	23955	13.04	ug/L	90
6) trans-1,2-Dichloroethene	3.883	61	6636	5.47	ug/L	97
7) 1,1-Dichloroethane	4.481	63	9397	5.76	ug/L	98
8) cis-1,2-Dichloroethene	5.041	96	4134	5.81	ug/L	95
9) Chloroform	5.296	83	9834	5.68	ug/L	98
10) Carbon Tetrachloride	5.466	117	3572	4.83	ug/L	99
11) 1,1,1-Trichloroethane	5.520	97	5700	5.42	ug/L	96
12) Benzene	5.915	78	14847	5.62	ug/L	96
14) 1,2-Dichloroethane	6.120	62	7305	5.86	ug/L	98
15) Trichloroethene	6.537	95	4644	6.25	ug/L	96
16) 1,2-Dichloropropane	7.052	63	4696	5.64	ug/L	98
17) cis-1,3-Dichloropropene	7.774	75	3193	4.84	ug/L	100
20) trans-1,3-Dichloropropene	8.435	75	2711	4.38	ug/L	97
21) Tetrachloroethene	8.413	166	4115	5.20	ug/L #	97
22) 1,4-Dichlorobenzene	11.906	146	9332	5.19	ug/L	96
23) 1,2-Dibromo-3-Chloropr...	13.179	75	711	4.83	ug/L	96

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\08-28-24\
 Data File : N0132339.D
 Acq On : 28 Aug 2024 7:41 pm
 Operator : jeniferw
 Sample : FC18255-2MSD
 Misc : MS57378,VN6710,,,,,5
 ALS Vial : 27 Sample Multiplier: 1

Quant Time: Aug 29 05:52:46 2024
 Quant Method : C:\msdchem\1\methods\SIMCL_VN6705_082024.M
 Quant Title : Standard Methods 6200B
 QLast Update : Tue Aug 20 14:01:28 2024
 Response via : Initial Calibration



7.4.2
7



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\082824\
 Data File : Z76637.D
 Acq On : 28 Aug 2024 10:38 pm
 Operator : claudias
 Sample : FC18258-5MS Inst : MSVOA15-Z
 Misc : MS57380,VZ3085,,,,,5
 ALS Vial : 26 Sample Multiplier: 1

Quant Time: Aug 29 06:24:44 2024
 Quant Method : C:\msdchem\1\methods\SIMCL-08-28-2024.M
 Quant Title : Standard Methods 6200B
 QLast Update : Wed Aug 28 11:30:23 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	

Internal Standards							
1) Fluorobenzene	7.894	96	20699	5.00	ug/L	0.00	
18) Chlorobenzene-d5	10.980	117	22181	5.00	ug/L	0.00	
System Monitoring Compounds							
13) 1,2-Dichloroethane-d4	7.628	65	6656	5.31	ug/L	0.00	
Spiked Amount	5.000	Range 74 - 125	Recovery	=	106.20%		
19) Toluene-d8	9.428	98	23981	4.85	ug/L	0.00	
Spiked Amount	5.000	Range 88 - 111	Recovery	=	97.00%		
Target Compounds							
							Qvalue
2) Vinyl Chloride	3.188	62	8575	4.08	ug/L		98
3) Chloromethane	3.129	50	9645	4.04	ug/L		99
4) 1,1-Dichloroethene	4.566	61	12427	5.29	ug/L		98
5) Methylene Chloride	5.213	49	20174	7.28	ug/L		96
6) trans-1,2-Dichloroethene	5.389	61	11813	5.24	ug/L		97
7) 1,1-Dichloroethane	6.059	63	15651	5.86	ug/L		100
8) cis-1,2-Dichloroethene	6.625	96	9389	5.15	ug/L		95
9) Chloroform	6.883	83	16999	4.88	ug/L		97
10) Carbon Tetrachloride	7.051	117	11926	4.59	ug/L		98
11) 1,1,1-Trichloroethane	7.119	97	14505	5.15	ug/L		95
12) Benzene	7.492	78	30189	5.03	ug/L		96
14) 1,2-Dichloroethane	7.696	62	11693	5.30	ug/L		95
15) Trichloroethene	8.060	95	8129	5.01	ug/L		91
16) 1,2-Dichloropropane	8.588	63	8487	5.16	ug/L		92
17) cis-1,3-Dichloropropene	9.246	75	11664	4.58	ug/L		94
20) trans-1,3-Dichloropropene	9.874	75	9590	4.02	ug/L		93
21) Tetrachloroethene	9.874	166	7484	4.45	ug/L #		91
22) 1,4-Dichlorobenzene	13.354	146	17117	4.54	ug/L		93
23) 1,2-Dibromo-3-Chloropr...	14.517	75	2306	4.46	ug/L #		70

(#) = qualifier out of range (m) = manual integration (+) = signals summed

7.4.3
7

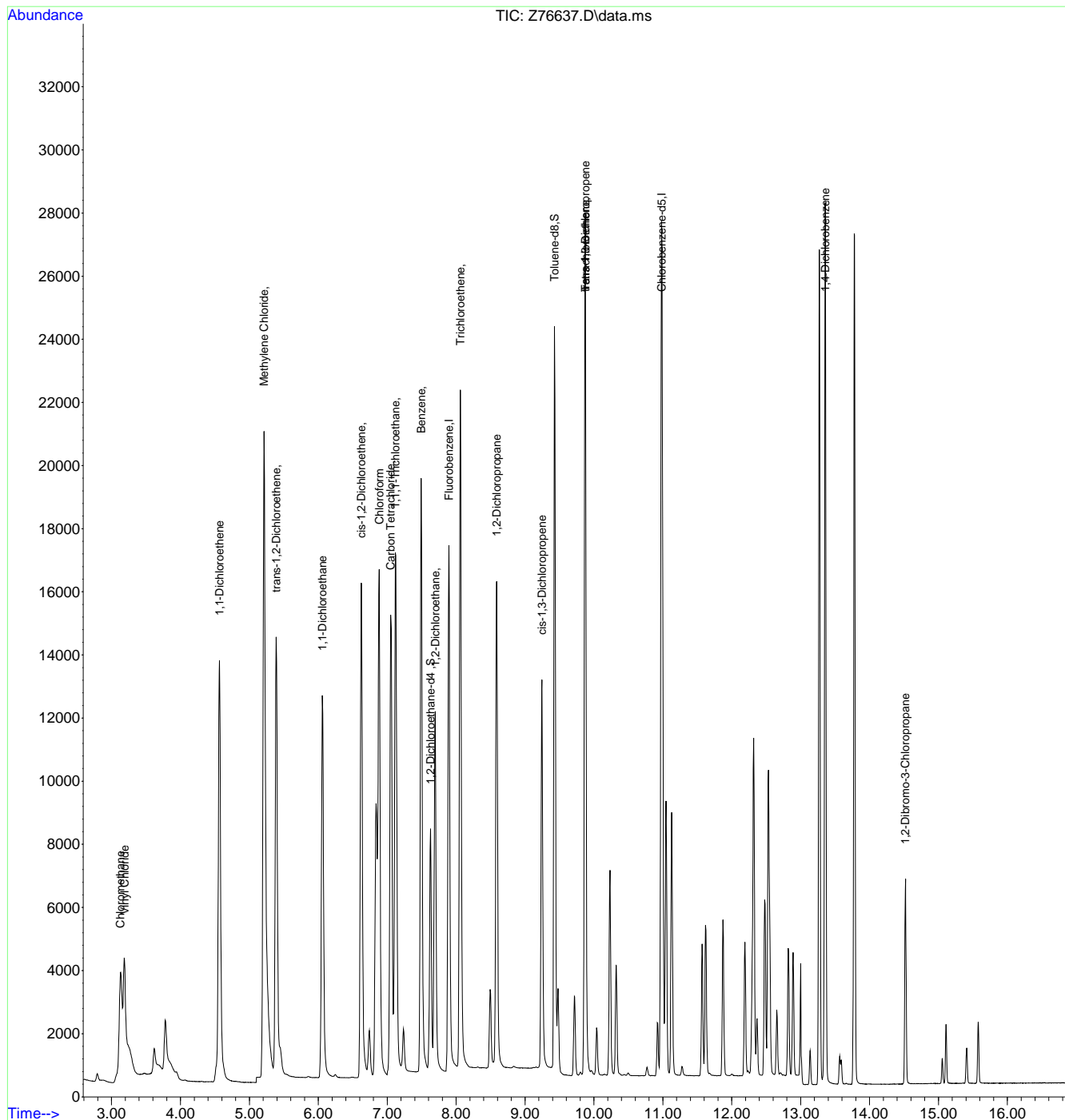


Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\082824\
Data File : Z76637.D
Acq On : 28 Aug 2024 10:38 pm
Operator : claudias
Sample : FC18258-5MS
Misc : MS57380,VZ3085,,,,,5
ALS Vial : 26 Sample Multiplier: 1

Inst : MSVOA15-Z

Quant Time: Aug 29 06:24:44 2024
Quant Method : C:\msdchem\1\methods\SIMCL-08-28-2024.M
Quant Title : Standard Methods 6200B
QLast Update : Wed Aug 28 11:30:23 2024
Response via : Initial Calibration



7.4.3
7



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\082824\
 Data File : Z76638.D
 Acq On : 28 Aug 2024 11:01 pm
 Operator : claudias
 Sample : FC18258-5msd Inst : MSVOA15-Z
 Misc : MS57380,VZ3085,,,,,5
 ALS Vial : 27 Sample Multiplier: 1

Quant Time: Aug 29 06:24:46 2024
 Quant Method : C:\msdchem\1\methods\SIMCL-08-28-2024.M
 Quant Title : Standard Methods 6200B
 QLast Update : Wed Aug 28 11:30:23 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	

Internal Standards							
1) Fluorobenzene	7.895	96	21102	5.00	ug/L	0.00	
18) Chlorobenzene-d5	10.980	117	22500	5.00	ug/L	0.00	
System Monitoring Compounds							
13) 1,2-Dichloroethane-d4	7.628	65	6603	5.17	ug/L	0.00	
Spiked Amount	5.000	Range 74 - 125	Recovery	=	103.40%		
19) Toluene-d8	9.428	98	24444	4.87	ug/L	0.00	
Spiked Amount	5.000	Range 88 - 111	Recovery	=	97.40%		
Target Compounds							
							Qvalue
2) Vinyl Chloride	3.183	62	9038	4.23	ug/L		99
3) Chloromethane	3.129	50	10029	4.12	ug/L		99
4) 1,1-Dichloroethene	4.561	61	12070	5.03	ug/L		96
5) Methylene Chloride	5.213	49	18982	6.63	ug/L		97
6) trans-1,2-Dichloroethene	5.389	61	11475	4.99	ug/L		98
7) 1,1-Dichloroethane	6.059	63	15146	5.56	ug/L		100
8) cis-1,2-Dichloroethene	6.625	96	9074	4.87	ug/L		97
9) Chloroform	6.883	83	16455	4.61	ug/L		98
10) Carbon Tetrachloride	7.051	117	11557	4.35	ug/L		98
11) 1,1,1-Trichloroethane	7.119	97	14080	4.89	ug/L		95
12) Benzene	7.492	78	29142	4.76	ug/L		95
14) 1,2-Dichloroethane	7.696	62	11335	5.03	ug/L		95
15) Trichloroethene	8.061	95	7807	4.71	ug/L		91
16) 1,2-Dichloropropane	8.588	63	8176	4.87	ug/L		92
17) cis-1,3-Dichloropropene	9.246	75	11145	4.29	ug/L		94
20) trans-1,3-Dichloropropene	9.874	75	9201	3.80	ug/L		93
21) Tetrachloroethene	9.874	166	7270	4.26	ug/L #		93
22) 1,4-Dichlorobenzene	13.354	146	16593	4.34	ug/L		93
23) 1,2-Dibromo-3-Chloropr...	14.520	75	2220	4.22	ug/L #		77

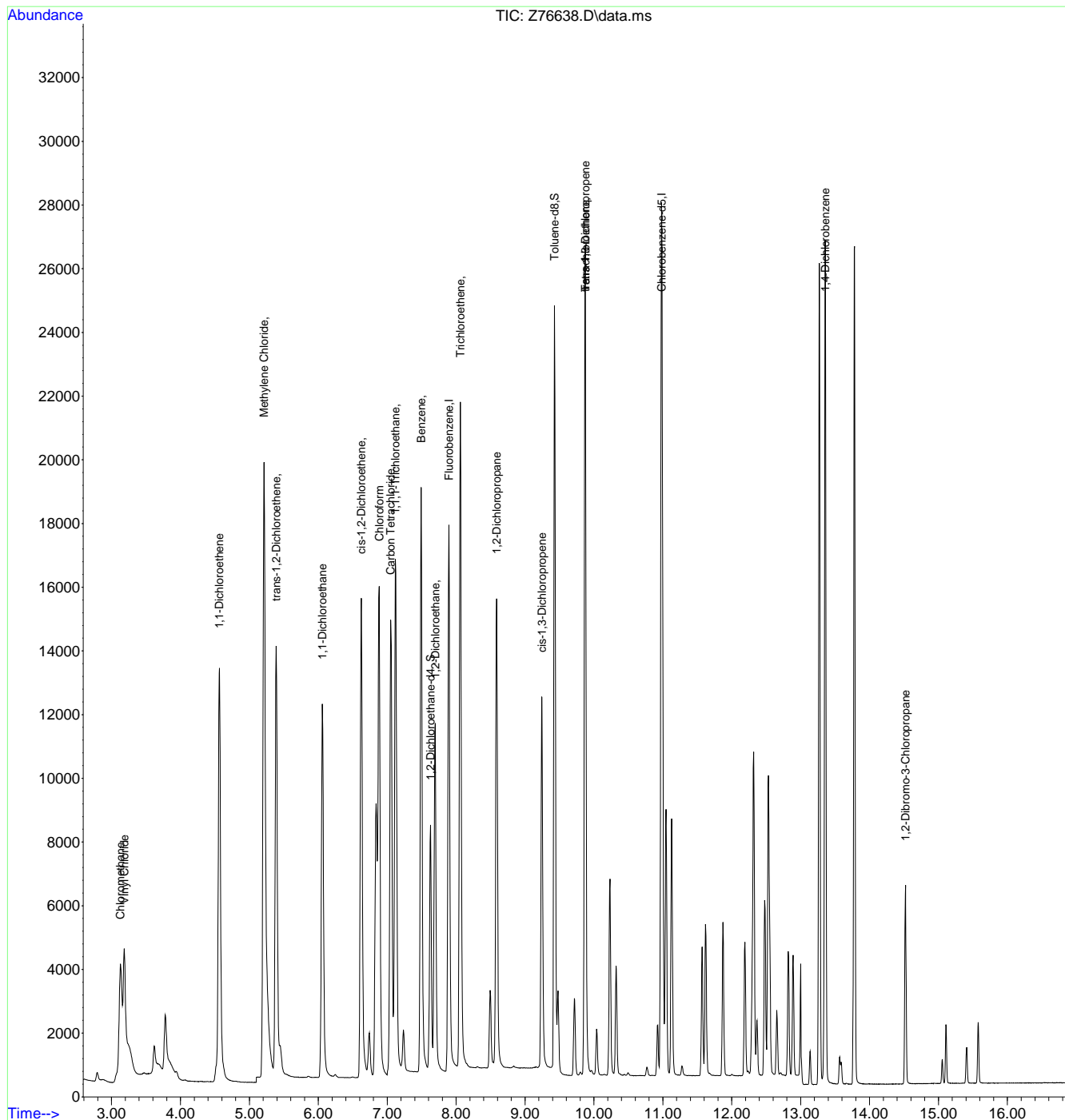
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\082824\
Data File : Z76638.D
Acq On : 28 Aug 2024 11:01 pm
Operator : claudias
Sample : FC18258-5msd
Misc : MS57380,VZ3085,,,,,5
ALS Vial : 27 Sample Multiplier: 1

Inst : MSVOA15-Z

Quant Time: Aug 29 06:24:46 2024
Quant Method : C:\msdchem\1\methods\SIMCL-08-28-2024.M
Quant Title : Standard Methods 6200B
QLast Update : Wed Aug 28 11:30:23 2024
Response via : Initial Calibration



7.4.4
7



Methods: SW-846 8260B

Data File : C:\msdchem\1\data\08-20-24\N0132197.D

Vial: 1

Acq On : 20 Aug 2024 9:04 am

Operator: jeniferw

Sample : BFB

Inst : MSVOA6-N

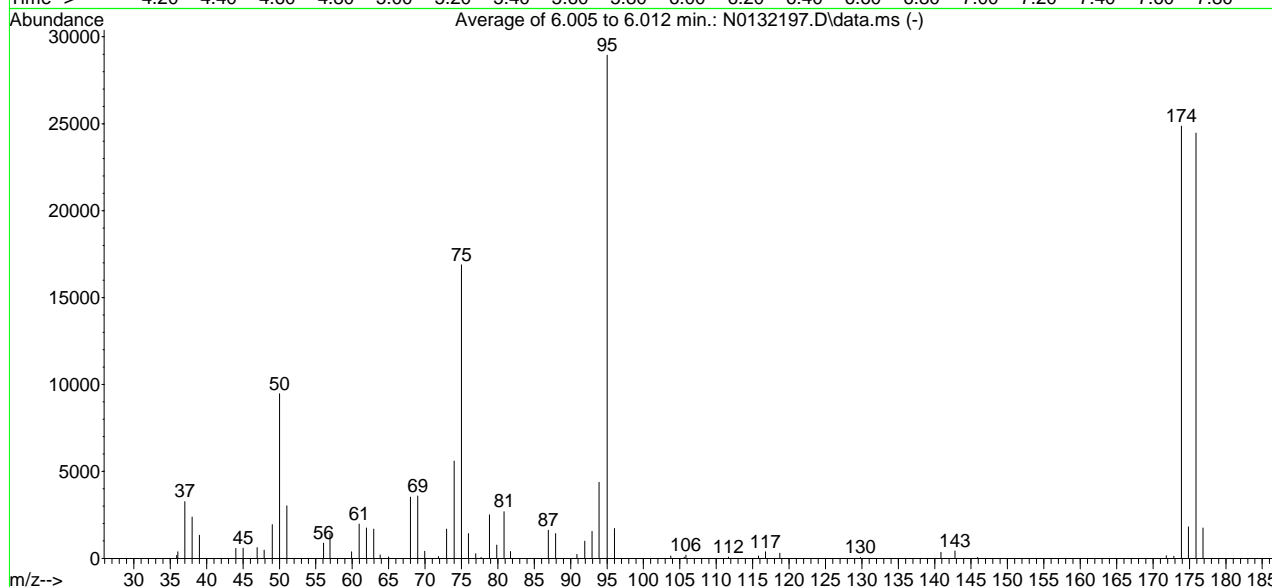
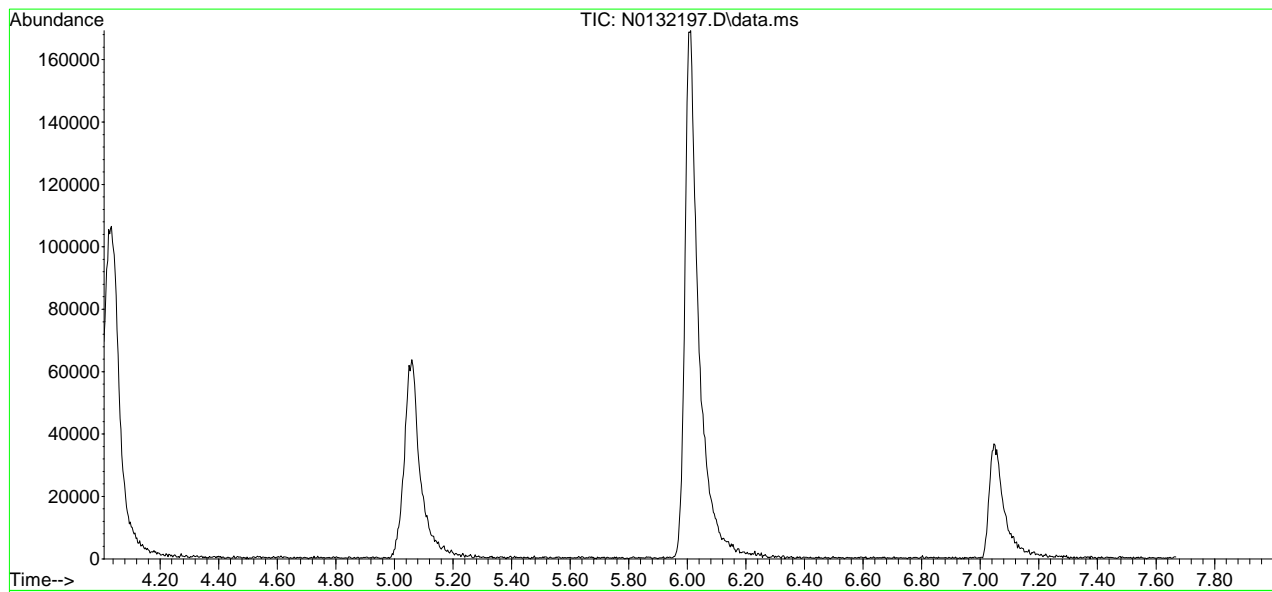
Misc : MS57274,VN6705,,,,,

Multiplr: 1.00

MS Integration Params: rteint.p

Method : C:\msdchem\1\met..._VN6705_082024.M (RTE Integrator)

Title : Standard Methods 6200B



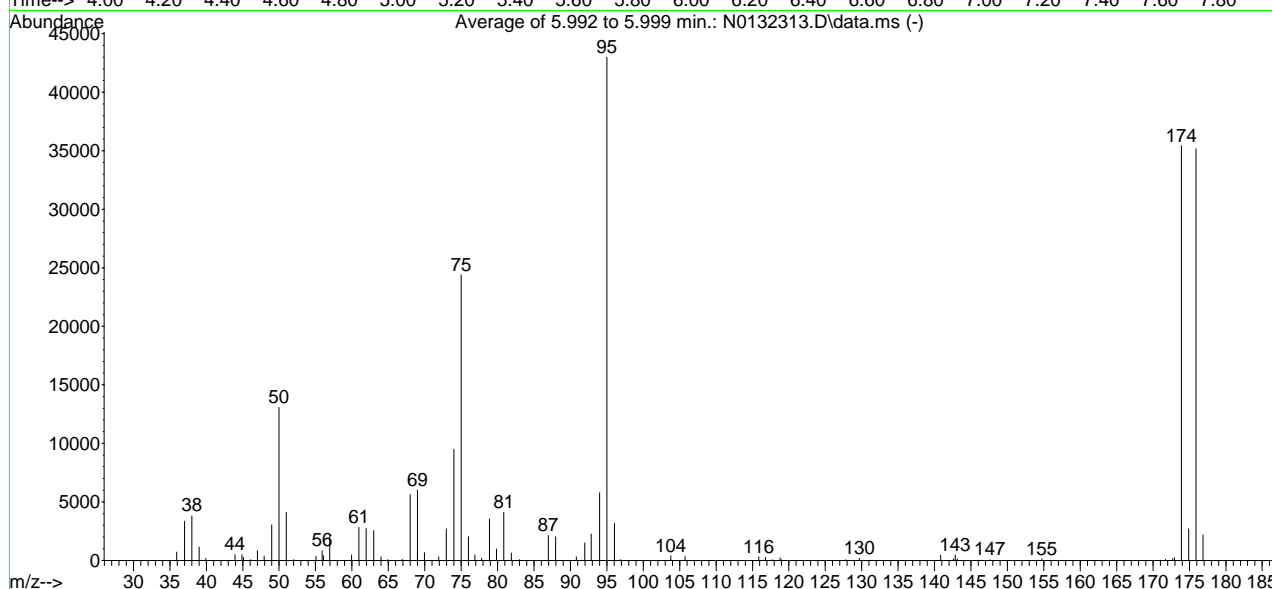
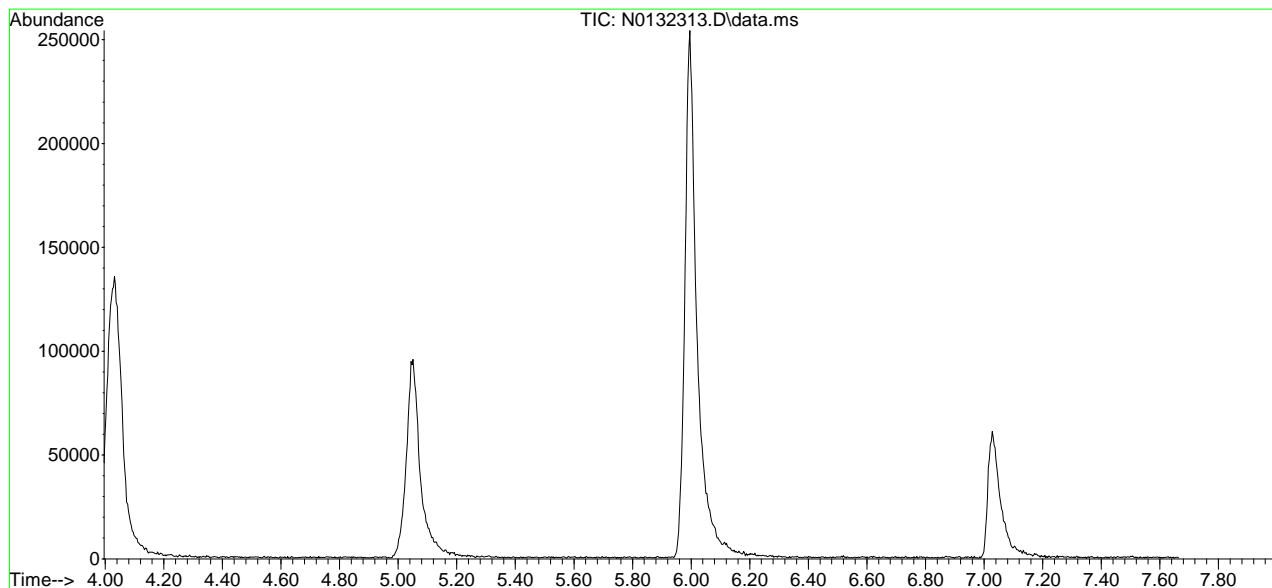
AutoFind: Scans 721, 722, 723; Background Corrected with Scan 702

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
95	95	100	100	100.0	28939	PASS
96	95	5	9	5.9	1718	PASS
173	174	0.00	2	0.5	120	PASS
174	95	50	200	85.9	24867	PASS
175	174	5	9	7.3	1811	PASS
176	174	95	105	98.4	24459	PASS
177	176	5	10	7.1	1743	PASS

Methods: SW-846 8260B

Data File : C:\msdchem\1\data\08-28-24\N0132313.D Vial: 1
 Acq On : 28 Aug 2024 8:53 am Operator: jeniferw
 Sample : BFB Inst : MSVOA6-N
 Misc : MS57365,VN6710,,,,, Multiplr: 1.00
 MS Integration Params: rteint.p

Method : C:\msdchem\1\met..._VN6705_082024.M (RTE Integrator)
 Title : Standard Methods 6200B



AutoFind: Scans 717, 718, 719; Background Corrected with Scan 699

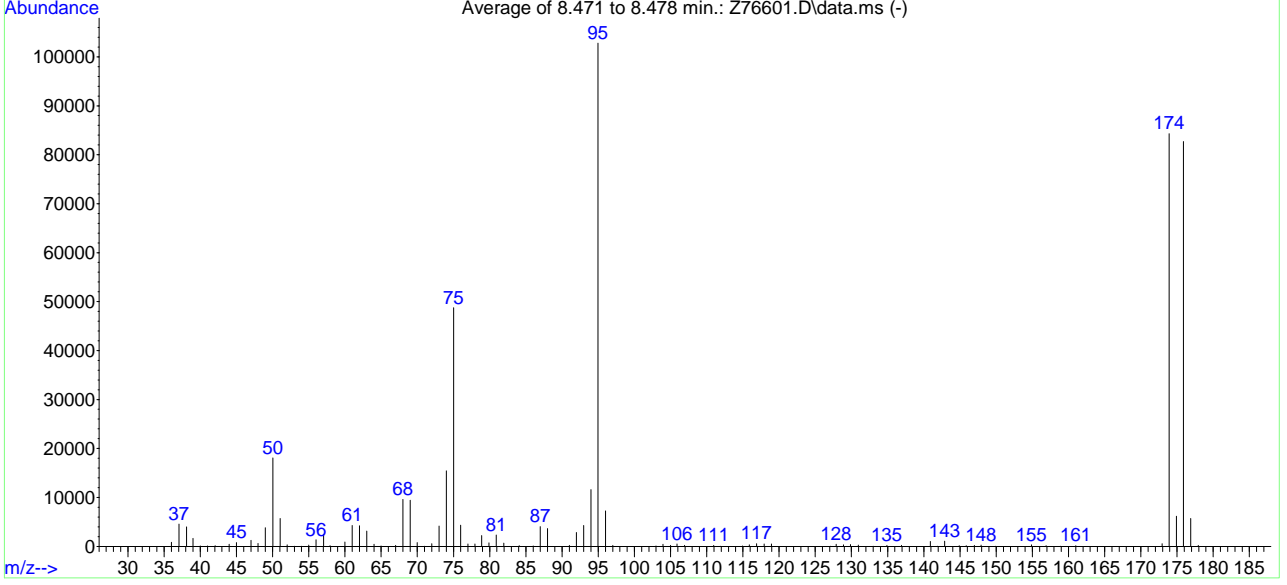
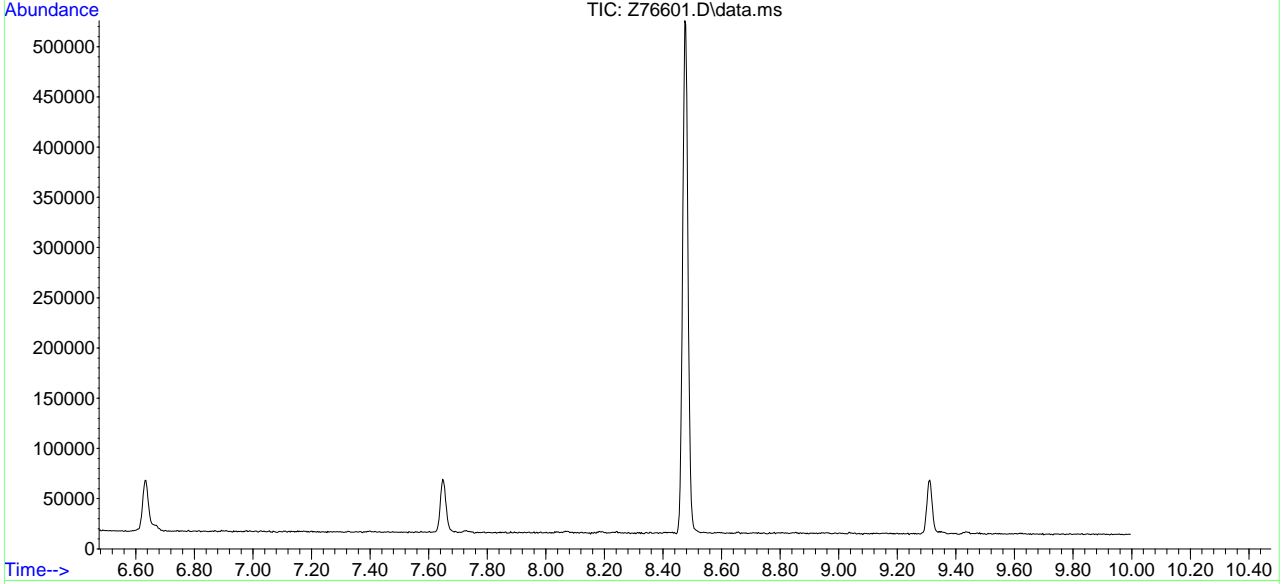
Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
95	95	100	100	100.0	42992	PASS
96	95	5	9	7.4	3184	PASS
173	174	0.00	2	0.7	240	PASS
174	95	50	200	82.4	35437	PASS
175	174	5	9	7.6	2706	PASS
176	174	95	105	99.3	35176	PASS
177	176	5	10	6.2	2178	PASS

N0132313.D SIMCL_VN6705_082024.M Wed Aug 28 11:18:33 2024

Methods: SW-846 8260B

Data File : C:\msdchem\1\data\082824\Z76601.D Vial: 1
 Acq On : 28 Aug 2024 7:36 am Operator: claudias
 Sample : bfb Inst : MSVOA15-Z
 Misc : MS57344,VZ3084,,,,, Multiplr: 1.00
 MS Integration Params: micro.p

Method : C:\msdchem\1\met...MCL-08-28-2024.M (RTE Integrator)
 Title : Standard Methods 6200B



AutoFind: Scans 1488, 1489, 1490; Background Corrected with Scan 1477

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
95	95	100	100	100.0	102783	PASS
96	95	5	9	7.1	7256	PASS
173	174	0.00	2	0.6	537	PASS
174	95	50	200	82.0	84304	PASS
175	174	5	9	7.3	6173	PASS
176	174	95	105	98.1	82709	PASS
177	176	5	10	6.9	5685	PASS



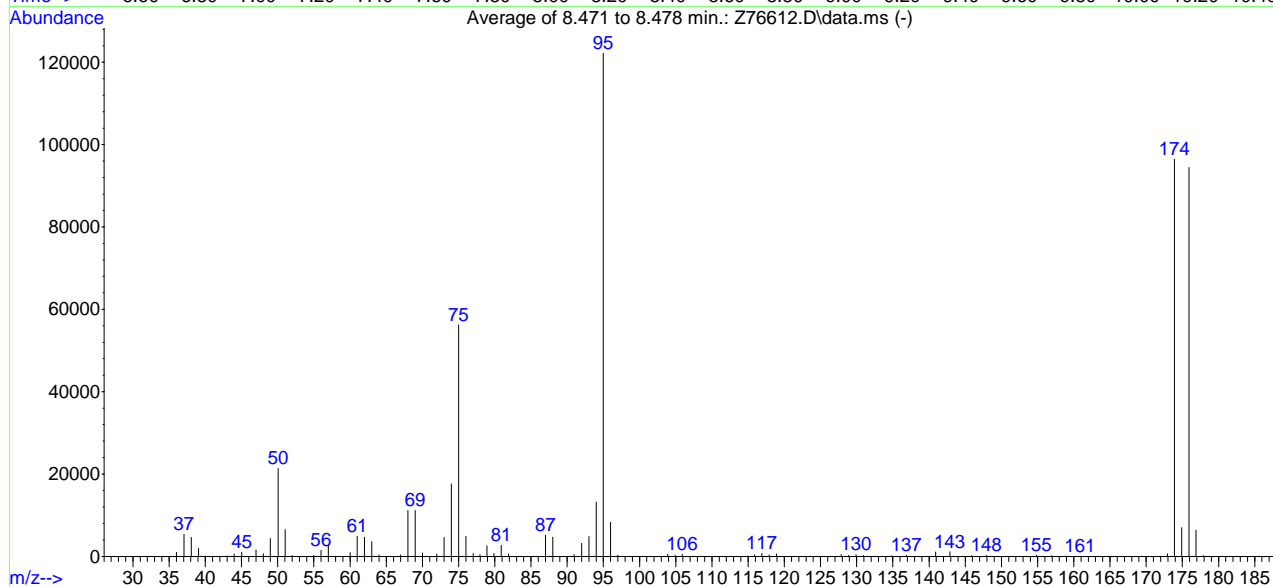
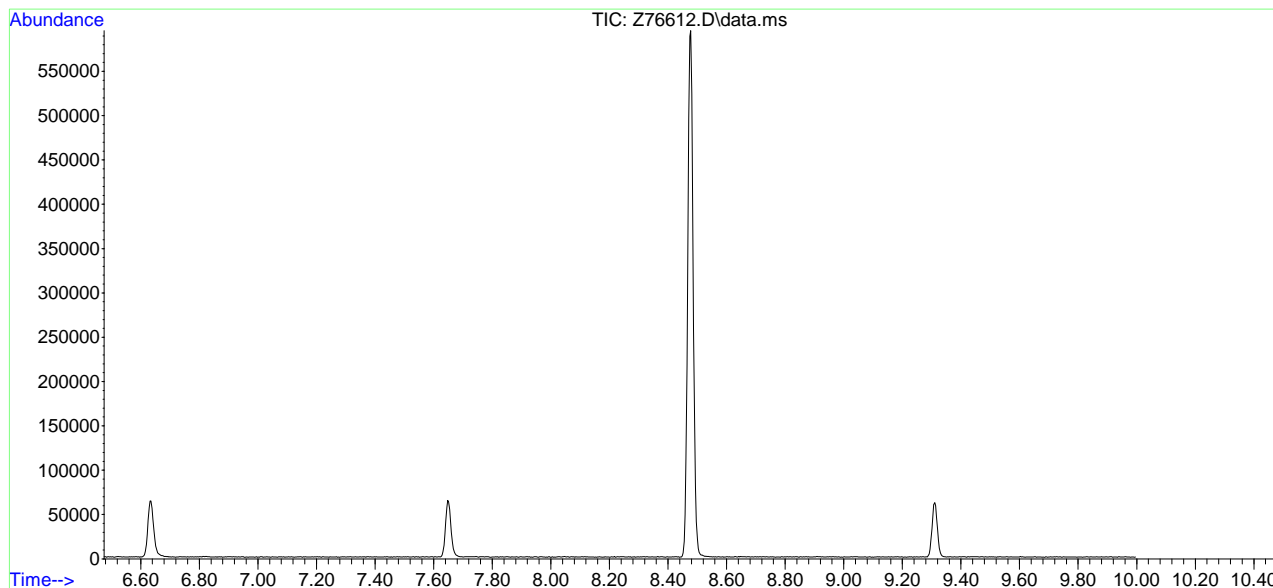
7.5.3
7

Methods: SW-846 8260B

Data File : C:\msdchem\1\data\082824\Z76612.D
 Acq On : 28 Aug 2024 12:22 pm
 Sample : bfb
 Misc : MS57344,VZ3085,,,,,
 MS Integration Params: micro.p

Vial: 1
 Operator: claudias
 Inst : MSVOA15-Z
 Multiplr: 1.00

Method : C:\msdchem\1\met...MCL-08-28-2024.M (RTE Integrator)
 Title : Standard Methods 6200B



AutoFind: Scans 1488, 1489, 1490; Background Corrected with Scan 1478

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
95	95	100	100	100.0	122187	PASS
96	95	5	9	6.7	8245	PASS
173	174	0.00	2	0.7	649	PASS
174	95	50	200	79.0	96469	PASS
175	174	5	9	7.2	6988	PASS
176	174	95	105	97.9	94432	PASS
177	176	5	10	6.8	6384	PASS



7.5.4
7

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\08-20-24\
 Data File : N0132200.D
 Acq On : 20 Aug 2024 10:17 am
 Operator : jeniferw
 Sample : IC6705-3
 Misc : MS57318,VN6705,,,,,
 ALS Vial : 4 Sample Multiplier: 1

Quant Time: Aug 20 11:00:35 2024
 Quant Method : C:\msdchem\1\methods\SIMCL_VN6705_082024.M
 Quant Title : Standard Methods 6200B
 QLast Update : Wed May 22 11:09:52 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Fluorobenzene	6.341	96	46182	5.00	ug/L	0.00
18) Chlorobenzene-d5	9.519	117	30522	5.00	ug/L	0.00
System Monitoring Compounds						
13) 1,2-Dichloroethane-d4	6.045	65	21421	6.43	ug/L	0.00
Spiked Amount	5.000	Range 74 - 125	Recovery	=	128.60%#	
19) Toluene-d8	7.951	98	33133	5.47	ug/L	0.00
Spiked Amount	5.000	Range 88 - 111	Recovery	=	109.40%	
Target Compounds						
						Qvalue
2) Vinyl Chloride	2.065	62	2279	1.70	ug/L	96
3) Chloromethane	1.982	50	3557	2.28	ug/L	99
4) 1,1-Dichloroethene	3.152	61	2696	1.52	ug/L	89
5) Methylene Chloride	3.718	49	5181	2.31	ug/L	81
6) trans-1,2-Dichloroethene	3.888	61	2171	1.34	ug/L	83
7) 1,1-Dichloroethane	4.492	63	3108	1.41	ug/L	98
8) cis-1,2-Dichloroethene	5.047	96	1281	1.02	ug/L #	79
9) Chloroform	5.303	83	3640	1.37	ug/L	92
10) Carbon Tetrachloride	5.473	117	1305	1.04	ug/L	97
11) 1,1,1-Trichloroethane	5.527	97	1917	1.00	ug/L	89
12) Benzene	5.923	78	4760	1.25	ug/L	93
14) 1,2-Dichloroethane	6.125	62	2409	1.35	ug/L	90
15) Trichloroethene	6.543	95	1301	1.02	ug/L	93
16) 1,2-Dichloropropane	7.052	63	1534	1.40	ug/L	91
17) cis-1,3-Dichloropropene	7.785	75	1038	0.98	ug/L	86
20) trans-1,3-Dichloropropene	8.462	75	856	0.86	ug/L #	71
21) Tetrachloroethene	8.418	166	1339	0.95	ug/L #	96
22) 1,4-Dichlorobenzene	11.909	146	2846	1.00	ug/L #	73
23) 1,2-Dibromo-3-Chloropr...	13.189	75	271m	1.09	ug/L	

(#) = qualifier out of range (m) = manual integration (+) = signals summed

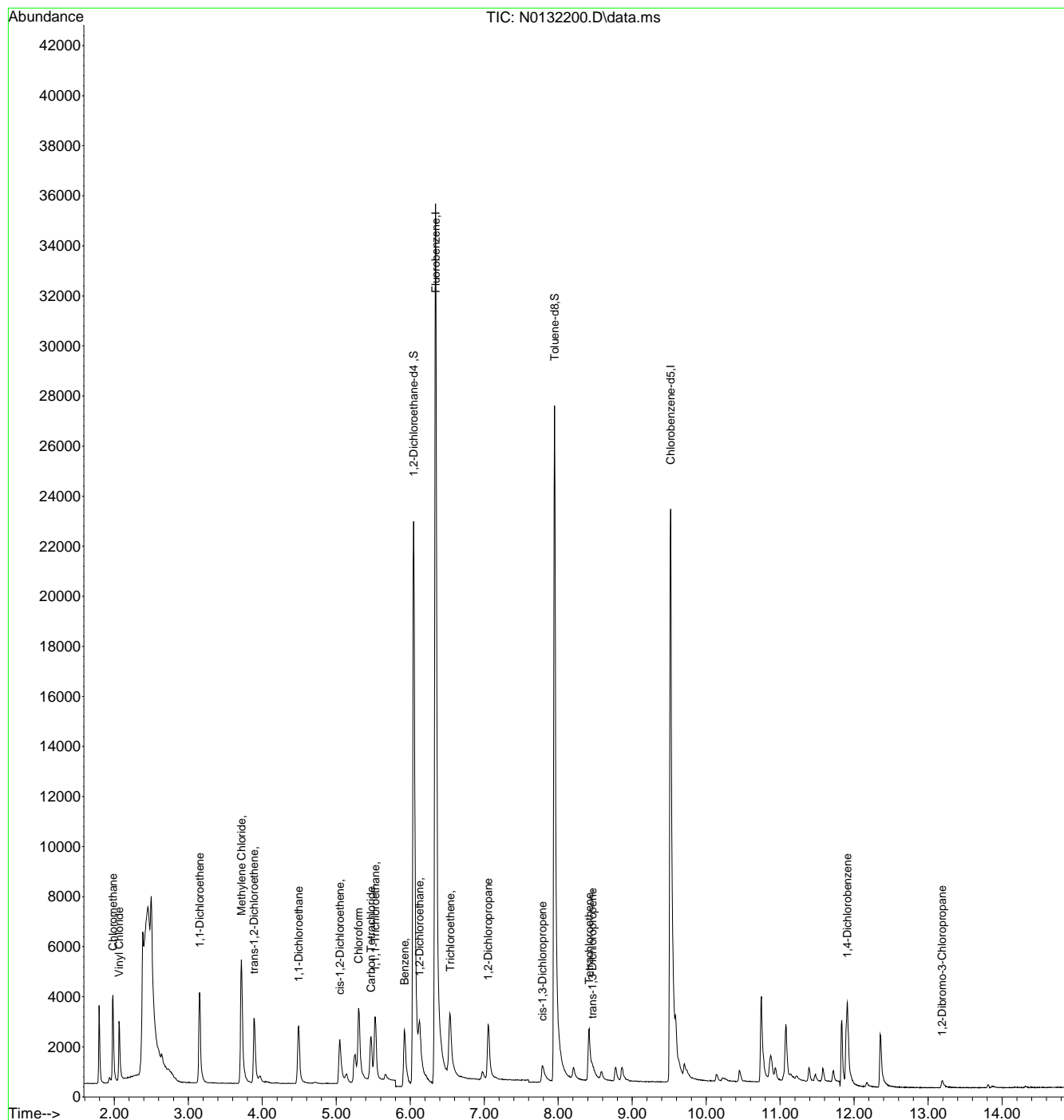
7.6.1
7



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\08-20-24\
 Data File : N0132200.D
 Acq On : 20 Aug 2024 10:17 am
 Operator : jeniferw
 Sample : IC6705-3
 Misc : MS57318,VN6705,,,,,
 ALS Vial : 4 Sample Multiplier: 1

Quant Time: Aug 20 11:00:35 2024
 Quant Method : C:\msdchem\1\methods\SIMCL_VN6705_082024.M
 Quant Title : Standard Methods 6200B
 QLast Update : Wed May 22 11:09:52 2024
 Response via : Initial Calibration

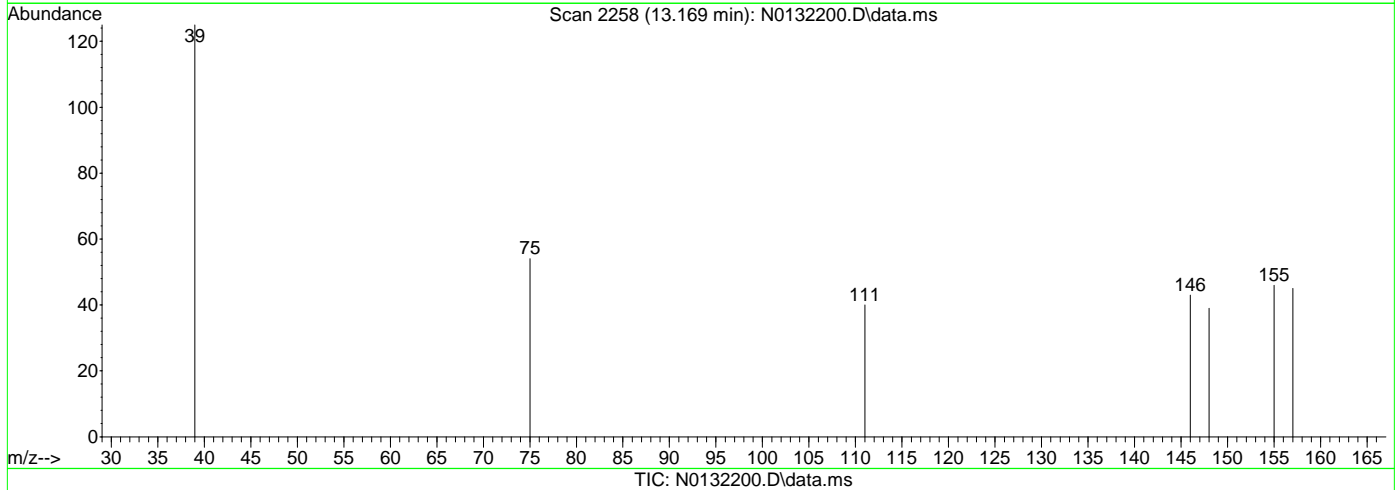
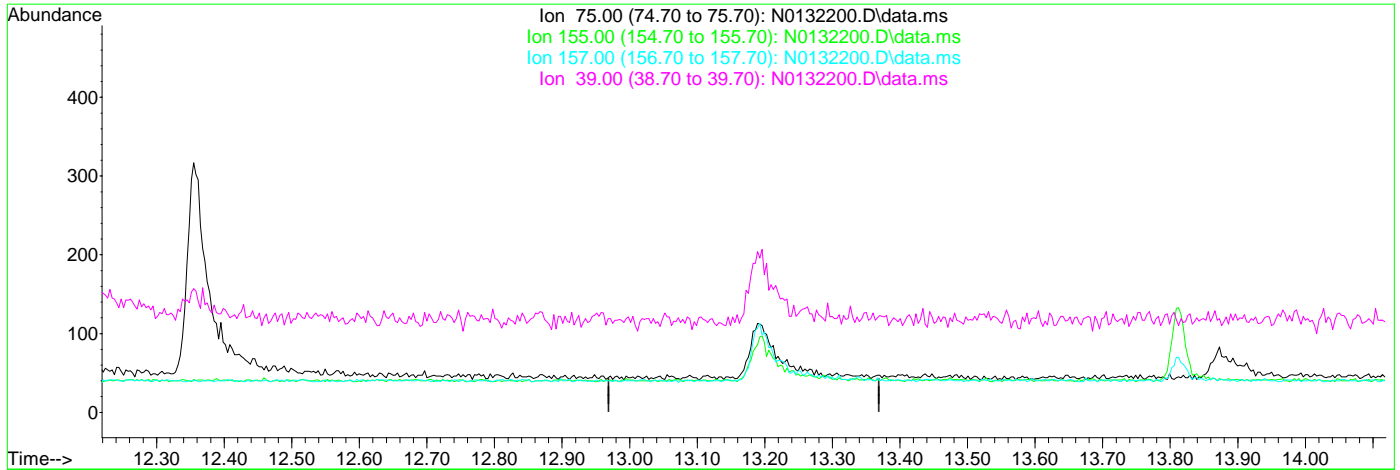


1.9.7
7

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\08-20-24\
 Data File : N0132200.D
 Acq On : 20 Aug 2024 10:17 am
 Operator : jeniferw
 Sample : IC6705-3
 Misc : MS57274,VN6705,,,,,
 ALS Vial : 4 Sample Multiplier: 1

Quant Time: Aug 20 10:44:20 2024
 Quant Method : C:\msdchem\1\methods\SIMCL_VN6705_082024.M
 Quant Title : Standard Methods 6200B
 QLast Update : Wed May 22 11:09:52 2024
 Response via : Initial Calibration



(23) 1,2-Dibromo-3-Chloropropane

13.169min (-13.169) 0.00ug/L

response 0

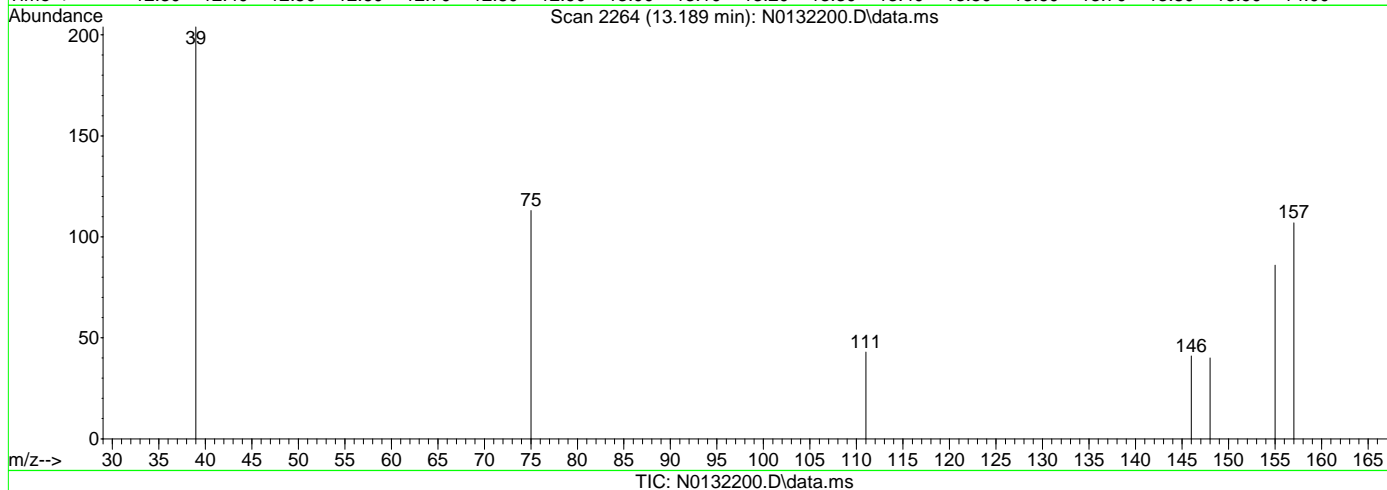
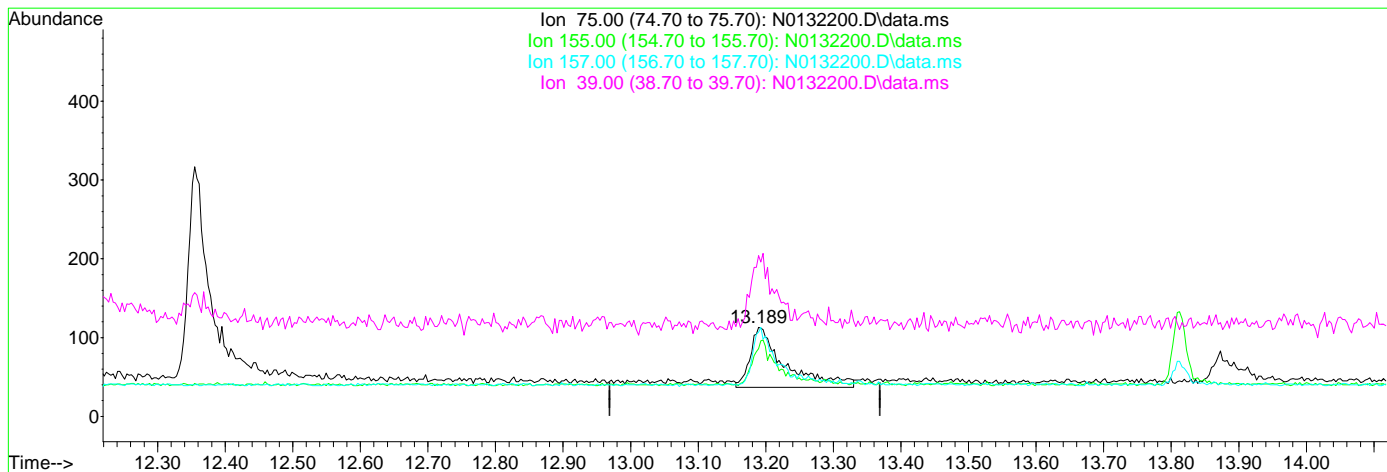
Ion	Exp%	Act%
75.00	100	0.00
155.00	95.00	0.00#
157.00	121.70	0.00#
39.00	85.30	0.00#

7.6.1.1
7

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\08-20-24\
 Data File : N0132200.D
 Acq On : 20 Aug 2024 10:17 am
 Operator : jeniferw
 Sample : IC6705-3
 Misc : MS57274,VN6705,,,,,
 ALS Vial : 4 Sample Multiplier: 1

Quant Time: Aug 20 10:44:20 2024
 Quant Method : C:\msdchem\1\methods\SIMCL_VN6705_082024.M
 Quant Title : Standard Methods 6200B
 QLast Update : Wed May 22 11:09:52 2024
 Response via : Initial Calibration



(23) 1,2-Dibromo-3-Chloropropane

13.189min (+0.020) 1.09ug/L m

response 271

Ion	Exp%	Act%
75.00	100	100
155.00	95.00	76.11
157.00	121.70	94.69
39.00	85.30	180.53#

7.6.1.2
7

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\08-20-24\
 Data File : N0132201.D
 Acq On : 20 Aug 2024 10:41 am
 Operator : jeniferw
 Sample : IC6705-4
 Misc : MS57318,VN6705,,,,,
 ALS Vial : 5 Sample Multiplier: 1

Quant Time: Aug 20 10:59:46 2024
 Quant Method : C:\msdchem\1\methods\SIMCL_VN6705_082024.M
 Quant Title : Standard Methods 6200B
 QLast Update : Wed May 22 11:09:52 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

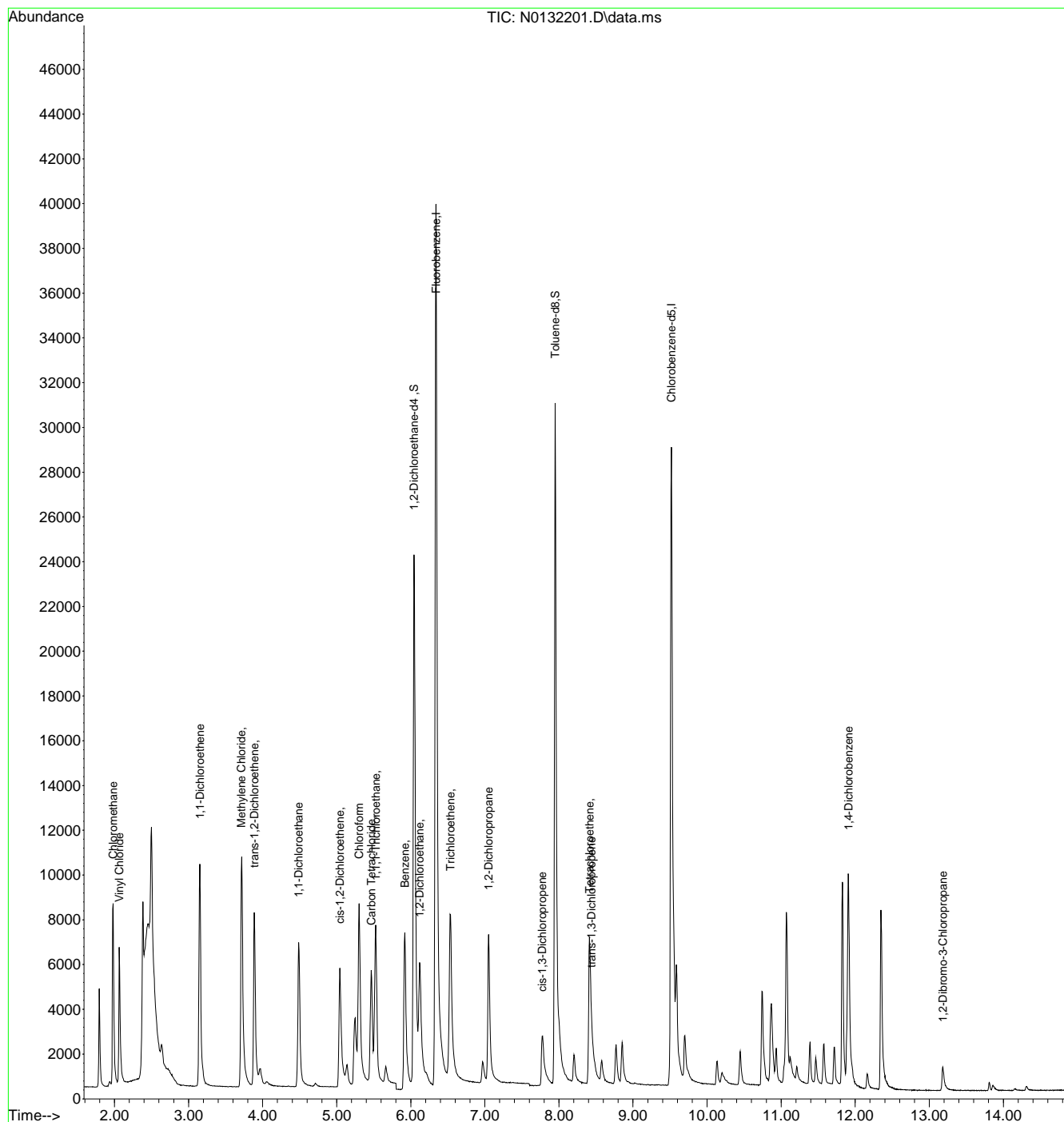
Internal Standards						
1) Fluorobenzene	6.341	96	50648	5.00	ug/L	0.00
18) Chlorobenzene-d5	9.519	117	35540	5.00	ug/L	0.00
System Monitoring Compounds						
13) 1,2-Dichloroethane-d4	6.045	65	22204	6.08	ug/L	0.00
Spiked Amount	5.000	Range 74 - 125	Recovery	=	121.60%	
19) Toluene-d8	7.951	98	35982	5.10	ug/L	0.00
Spiked Amount	5.000	Range 88 - 111	Recovery	=	102.00%	
Target Compounds						
						Qvalue
2) Vinyl Chloride	2.065	62	5841	3.98	ug/L	94
3) Chloromethane	1.982	50	8302	4.86	ug/L	99
4) 1,1-Dichloroethene	3.152	61	7294	3.75	ug/L	91
5) Methylene Chloride	3.712	49	10894	4.43	ug/L	75
6) trans-1,2-Dichloroethene	3.888	61	6014	3.40	ug/L	87
7) 1,1-Dichloroethane	4.487	63	8339	3.45	ug/L	95
8) cis-1,2-Dichloroethene	5.041	96	3496	2.54	ug/L #	77
9) Chloroform	5.303	83	8721	2.99	ug/L	94
10) Carbon Tetrachloride	5.466	117	3737	2.70	ug/L	97
11) 1,1,1-Trichloroethane	5.527	97	5256	2.49	ug/L	89
12) Benzene	5.919	78	13106	3.13	ug/L	90
14) 1,2-Dichloroethane	6.121	62	6527	3.34	ug/L	93
15) Trichloroethene	6.537	95	3617	2.59	ug/L	93
16) 1,2-Dichloropropane	7.053	63	4202	3.49	ug/L	92
17) cis-1,3-Dichloropropene	7.774	75	3251	2.81	ug/L	91
20) trans-1,3-Dichloropropene	8.440	75	3079	2.67	ug/L	89
21) Tetrachloroethene	8.413	166	3763	2.28	ug/L #	96
22) 1,4-Dichlorobenzene	11.909	146	8216	2.47	ug/L	88
23) 1,2-Dibromo-3-Chloropr...	13.183	75	654	2.26	ug/L #	70

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\08-20-24\
 Data File : N0132201.D
 Acq On : 20 Aug 2024 10:41 am
 Operator : jeniferw
 Sample : IC6705-4
 Misc : MS57318,VN6705,,,,,
 ALS Vial : 5 Sample Multiplier: 1

Quant Time: Aug 20 10:59:46 2024
 Quant Method : C:\msdchem\1\methods\SIMCL_VN6705_082024.M
 Quant Title : Standard Methods 6200B
 QLast Update : Wed May 22 11:09:52 2024
 Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\08-20-24\
 Data File : N0132202.D
 Acq On : 20 Aug 2024 11:04 am
 Operator : jeniferw
 Sample : ICC6705-5
 Misc : MS57318,VN6705,,,,,
 ALS Vial : 6 Sample Multiplier: 1

Quant Time: Aug 20 11:20:16 2024
 Quant Method : C:\msdchem\1\methods\SIMCL_VN6705_082024.M
 Quant Title : Standard Methods 6200B
 QLast Update : Wed May 22 11:09:52 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	

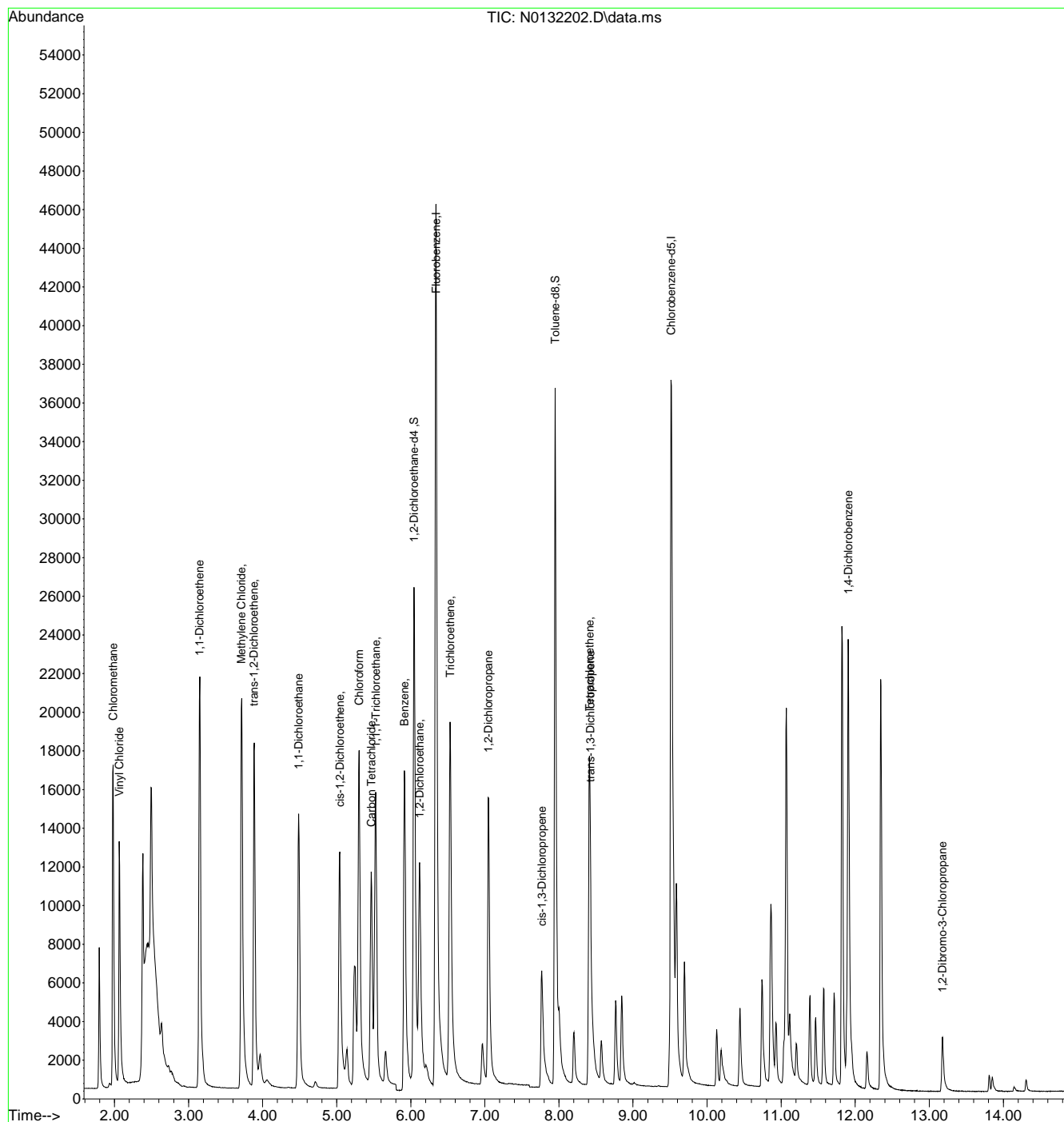
Internal Standards							
1) Fluorobenzene	6.341	96	57601	5.00	ug/L	0.00	
18) Chlorobenzene-d5	9.514	117	36791	5.00	ug/L	0.00	
System Monitoring Compounds							
13) 1,2-Dichloroethane-d4	6.045	65	24119	5.81	ug/L	0.00	
Spiked Amount	5.000	Range	74 - 125	Recovery	=	116.20%	
19) Toluene-d8	7.951	98	40760	5.58	ug/L	0.00	
Spiked Amount	5.000	Range	88 - 111	Recovery	=	111.60%#	
Target Compounds							
							Qvalue
2) Vinyl Chloride	2.065	62	12559	7.52	ug/L		94
3) Chloromethane	1.982	50	17210	8.86	ug/L		99
4) 1,1-Dichloroethene	3.147	61	15828	7.16	ug/L		85
5) Methylene Chloride	3.712	49	21315	7.62	ug/L		75
6) trans-1,2-Dichloroethene	3.883	61	13357	6.63	ug/L		82
7) 1,1-Dichloroethane	4.487	63	17936	6.52	ug/L		96
8) cis-1,2-Dichloroethene	5.042	96	7655	4.88	ug/L #		81
9) Chloroform	5.303	83	17762	5.35	ug/L		94
10) Carbon Tetrachloride	5.466	117	8068	5.13	ug/L		97
11) 1,1,1-Trichloroethane	5.527	97	11455	4.78	ug/L		92
12) Benzene	5.915	78	28737	6.04	ug/L		90
14) 1,2-Dichloroethane	6.121	62	14104	6.35	ug/L		93
15) Trichloroethene	6.531	95	8092	5.10	ug/L		88
16) 1,2-Dichloropropane	7.047	63	9164	6.70	ug/L		93
17) cis-1,3-Dichloropropene	7.769	75	7699	5.84	ug/L		91
20) trans-1,3-Dichloropropene	8.424	75	7735	6.47	ug/L		89
21) Tetrachloroethene	8.413	166	8026	4.71	ug/L #		98
22) 1,4-Dichlorobenzene	11.906	146	18712	5.44	ug/L		91
23) 1,2-Dibromo-3-Chloropr...	13.176	75	1582	5.29	ug/L #		72

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\08-20-24\
Data File : N0132202.D
Acq On : 20 Aug 2024 11:04 am
Operator : jeniferw
Sample : ICC6705-5
Misc : MS57318,VN6705,,,,,
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Aug 20 11:20:16 2024
Quant Method : C:\msdchem\1\methods\SIMCL_VN6705_082024.M
Quant Title : Standard Methods 6200B
QLast Update : Wed May 22 11:09:52 2024
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\08-20-24\
 Data File : N0132203.D
 Acq On : 20 Aug 2024 11:28 am
 Operator : jeniferw
 Sample : IC6705-6
 Misc : MS57318,VN6705,,,,,
 ALS Vial : 7 Sample Multiplier: 1

Quant Time: Aug 20 11:51:08 2024
 Quant Method : C:\msdchem\1\methods\SIMCL_VN6705_082024.M
 Quant Title : Standard Methods 6200B
 QLast Update : Wed May 22 11:09:52 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

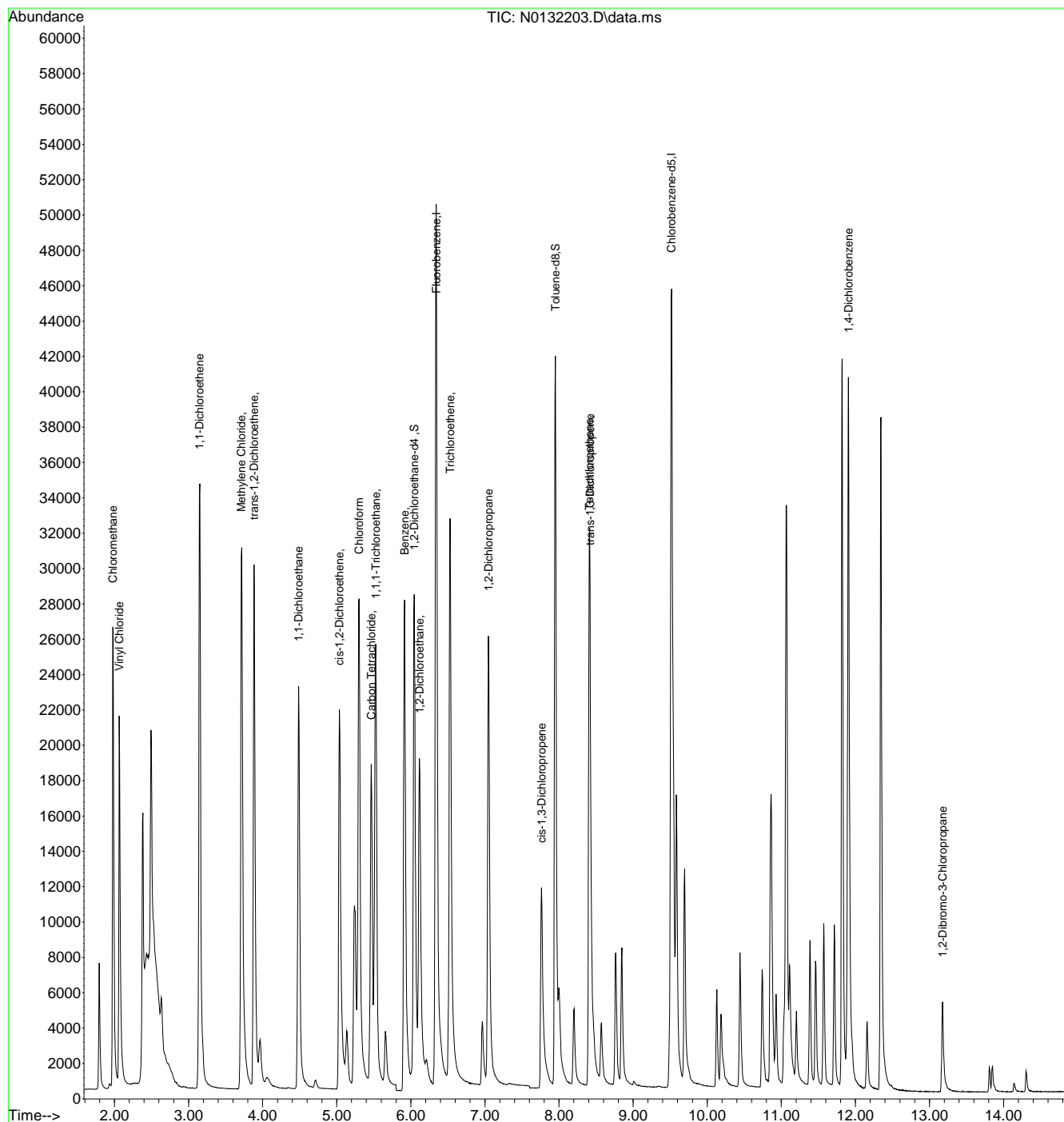
Internal Standards						
1) Fluorobenzene	6.341	96	62820	5.00	ug/L	0.00
18) Chlorobenzene-d5	9.514	117	41500	5.00	ug/L	0.00
System Monitoring Compounds						
13) 1,2-Dichloroethane-d4	6.045	65	26036	5.75	ug/L	0.00
Spiked Amount	5.000	Range 74 - 125	Recovery	=	115.00%	
19) Toluene-d8	7.951	98	45907	5.57	ug/L	0.00
Spiked Amount	5.000	Range 88 - 111	Recovery	=	111.40%#	
Target Compounds						
						Qvalue
2) Vinyl Chloride	2.065	62	20844	11.45	ug/L	94
3) Chloromethane	1.977	50	27127	12.80	ug/L	99
4) 1,1-Dichloroethene	3.147	61	25712	10.66	ug/L	86
5) Methylene Chloride	3.712	49	32479	10.65	ug/L	76
6) trans-1,2-Dichloroethene	3.883	61	21918	9.98	ug/L	84
7) 1,1-Dichloroethane	4.487	63	28686	9.56	ug/L	98
8) cis-1,2-Dichloroethene	5.036	96	12700	7.43	ug/L #	75
9) Chloroform	5.303	83	28040	7.75	ug/L	96
10) Carbon Tetrachloride	5.466	117	13283	7.75	ug/L	96
11) 1,1,1-Trichloroethane	5.527	97	18815	7.20	ug/L	91
12) Benzene	5.915	78	46884	9.04	ug/L	92
14) 1,2-Dichloroethane	6.116	62	22194	9.17	ug/L	93
15) Trichloroethene	6.531	95	13449	7.77	ug/L	90
16) 1,2-Dichloropropane	7.047	63	14788	9.92	ug/L	93
17) cis-1,3-Dichloropropene	7.764	75	13326	9.28	ug/L	90
20) trans-1,3-Dichloropropene	8.418	75	13780	10.23	ug/L	89
21) Tetrachloroethene	8.407	166	13210	6.87	ug/L #	98
22) 1,4-Dichlorobenzene	11.906	146	30877	7.96	ug/L	93
23) 1,2-Dibromo-3-Chloropr...	13.176	75	2628	7.79	ug/L	77

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\08-20-24\
Data File : N0132203.D
Acq On : 20 Aug 2024 11:28 am
Operator : jeniferw
Sample : IC6705-6
Misc : MS57318,VN6705,,,,,
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Aug 20 11:51:08 2024
Quant Method : C:\msdchem\1\methods\SIMCL_VN6705_082024.M
Quant Title : Standard Methods 6200B
QLast Update : Wed May 22 11:09:52 2024
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\08-20-24\
 Data File : N0132204.D
 Acq On : 20 Aug 2024 11:51 am
 Operator : jeniferw
 Sample : IC6705-7
 Misc : MS57318,VN6705,,,,,
 ALS Vial : 8 Sample Multiplier: 1

Quant Time: Aug 20 12:07:12 2024
 Quant Method : C:\msdchem\1\methods\SIMCL_VN6705_082024.M
 Quant Title : Standard Methods 6200B
 QLast Update : Tue Aug 20 11:59:16 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	

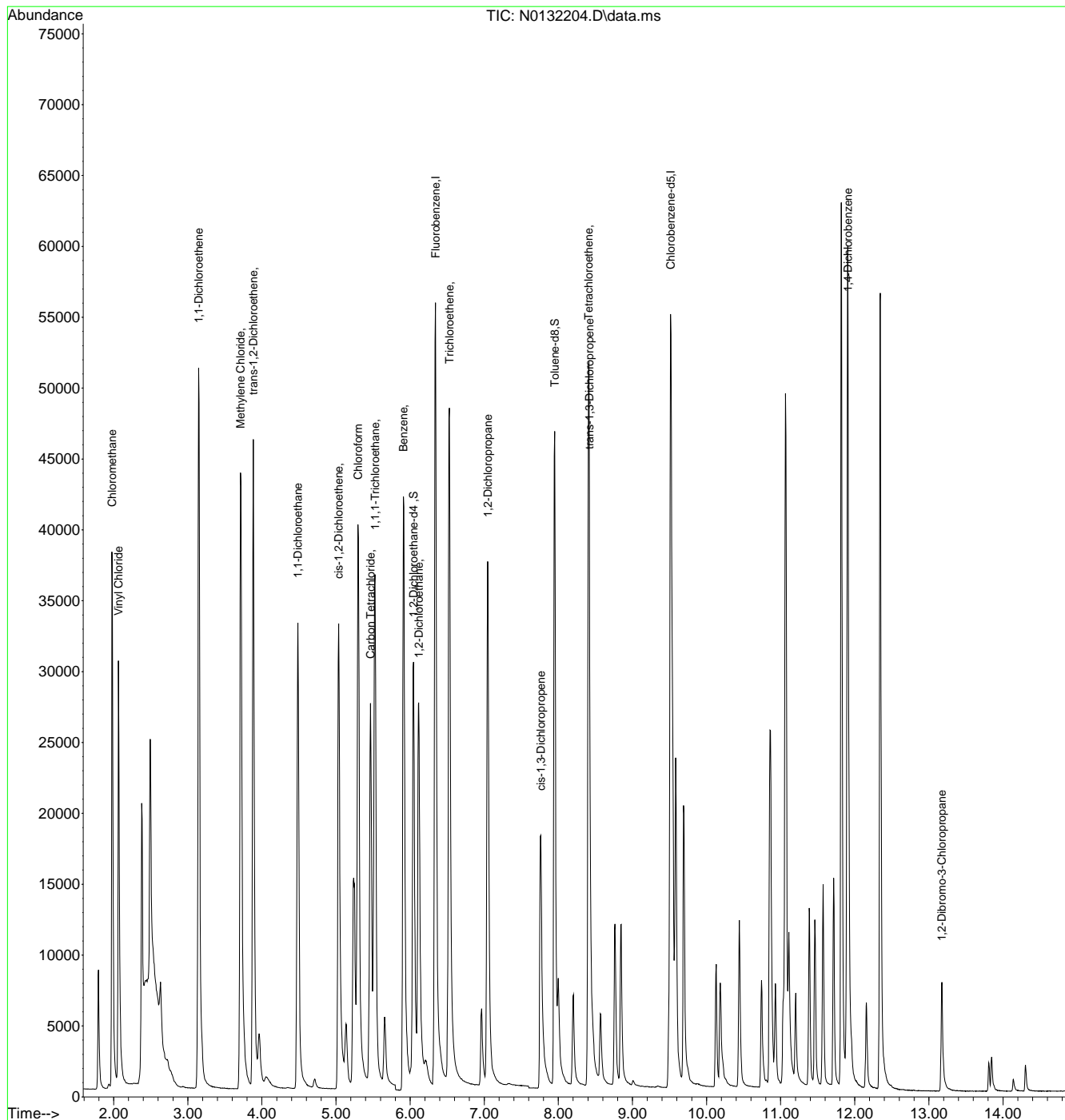
Internal Standards							
1) Fluorobenzene	6.341	96	69391	5.00	ug/L	0.00	
18) Chlorobenzene-d5	9.514	117	46307	5.00	ug/L	0.00	
System Monitoring Compounds							
13) 1,2-Dichloroethane-d4	6.045	65	27853	4.48	ug/L	0.00	
Spiked Amount	5.000	Range 74 - 125	Recovery	=	89.60%		
19) Toluene-d8	7.951	98	50729	4.98	ug/L	0.00	
Spiked Amount	5.000	Range 88 - 111	Recovery	=	99.60%		
Target Compounds							
							Qvalue
2) Vinyl Chloride	2.065	62	29031	14.67	ug/L		99
3) Chloromethane	1.977	50	37619	13.89	ug/L		97
4) 1,1-Dichloroethene	3.147	61	37603	17.34	ug/L		96
5) Methylene Chloride	3.712	49	45706	15.45	ug/L		96
6) trans-1,2-Dichloroethene	3.883	61	32274	17.55	ug/L		96
7) 1,1-Dichloroethane	4.487	63	41444	16.53	ug/L		98
8) cis-1,2-Dichloroethene	5.036	96	18767	17.98	ug/L		98
9) Chloroform	5.296	83	40115	13.76	ug/L		96
10) Carbon Tetrachloride	5.466	117	19636	18.02	ug/L		99
11) 1,1,1-Trichloroethane	5.527	97	27467	17.28	ug/L		99
12) Benzene	5.910	78	69333	17.40	ug/L		100
14) 1,2-Dichloroethane	6.116	62	31799	17.96	ug/L		99
15) Trichloroethene	6.531	95	19716	17.66	ug/L		96
16) 1,2-Dichloropropane	7.047	63	21581	18.03	ug/L		99
17) cis-1,3-Dichloropropene	7.763	75	20502	22.35	ug/L		99
20) trans-1,3-Dichloropropene	8.418	75	21425	26.00	ug/L		97
21) Tetrachloroethene	8.407	166	19204	16.95	ug/L #		97
22) 1,4-Dichlorobenzene	11.906	146	44673	18.33	ug/L		96
23) 1,2-Dibromo-3-Chloropr...	13.172	75	3812	18.20	ug/L		96

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\08-20-24\
 Data File : N0132204.D
 Acq On : 20 Aug 2024 11:51 am
 Operator : jeniferw
 Sample : IC6705-7
 Misc : MS57318,VN6705,,,,,
 ALS Vial : 8 Sample Multiplier: 1

Quant Time: Aug 20 12:07:12 2024
 Quant Method : C:\msdchem\1\methods\SIMCL_VN6705_082024.M
 Quant Title : Standard Methods 6200B
 QLast Update : Tue Aug 20 11:59:16 2024
 Response via : Initial Calibration



7.6.5
7



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\08-20-24\
 Data File : N0132207.D
 Acq On : 20 Aug 2024 1:05 pm
 Operator : jeniferw
 Sample : IC6705-1
 Misc : MS57318,VN6705,,,,,
 ALS Vial : 11 Sample Multiplier: 1

Quant Time: Aug 20 13:21:18 2024
 Quant Method : C:\msdchem\1\methods\SIMCL_VN6705_082024.M
 Quant Title : Standard Methods 6200B
 QLast Update : Tue Aug 20 12:28:26 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

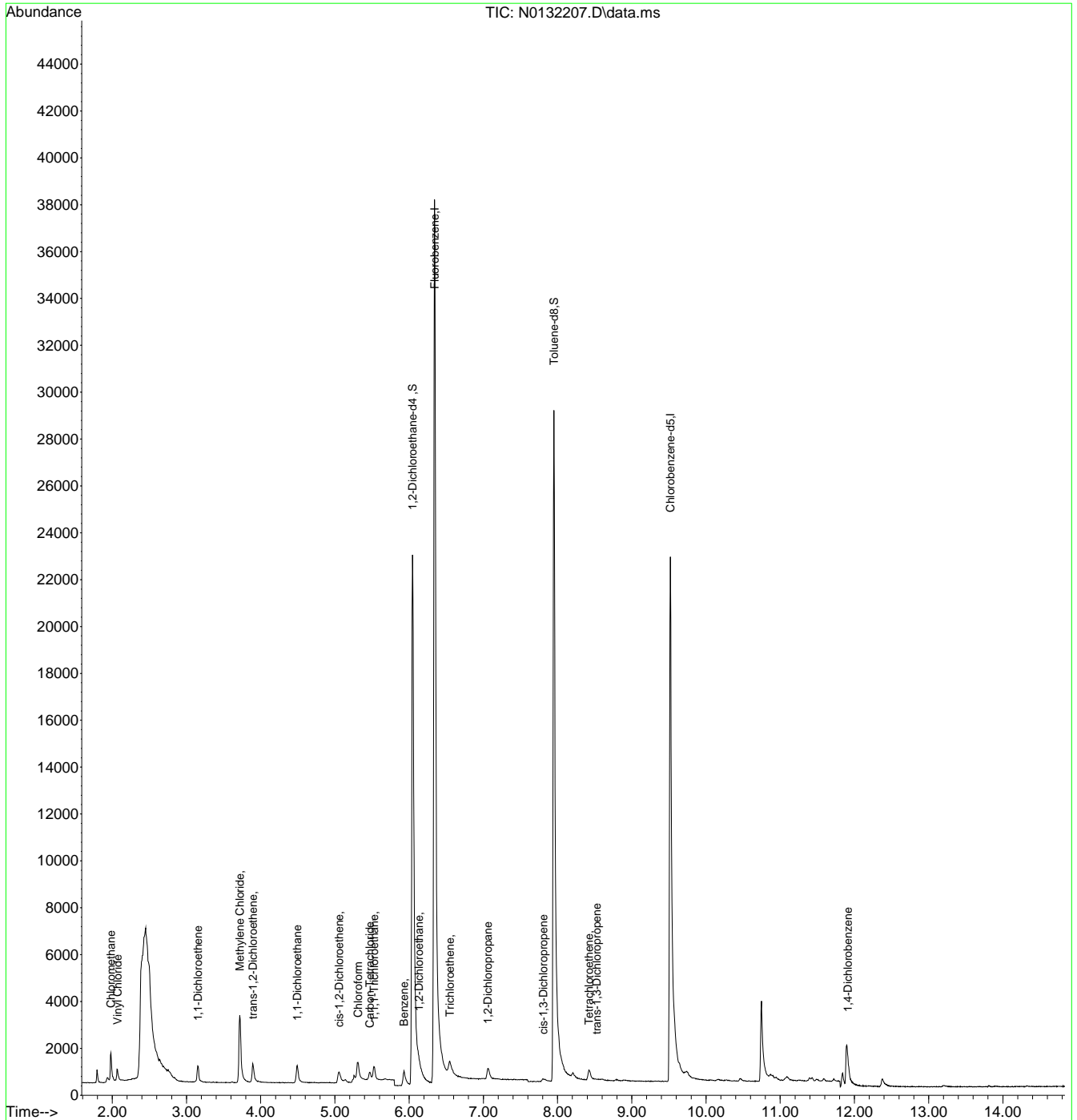
Internal Standards						
1) Fluorobenzene	6.341	96	49779	5.00	ug/L	0.00
18) Chlorobenzene-d5	9.519	117	31002	5.00	ug/L	0.00
System Monitoring Compounds						
13) 1,2-Dichloroethane-d4	6.045	65	21712	4.94	ug/L	0.00
Spiked Amount	5.000	Range 74 - 125	Recovery	=	98.80%	
19) Toluene-d8	7.951	98	36102	5.30	ug/L	0.00
Spiked Amount	5.000	Range 88 - 111	Recovery	=	106.00%	
Target Compounds						
						Qvalue
2) Vinyl Chloride	2.070	62	522	0.38	ug/L	95
3) Chloromethane	1.982	50	1298	0.70	ug/L	97
4) 1,1-Dichloroethene	3.152	61	535	0.38	ug/L	94
5) Methylene Chloride	3.718	49	3088	1.52	ug/L	93
6) trans-1,2-Dichloroethene	3.894	61	698	0.54	ug/L	95
7) 1,1-Dichloroethane	4.492	63	957	0.55	ug/L	91
8) cis-1,2-Dichloroethene	5.058	96	335	0.45	ug/L	95
9) Chloroform	5.310	83	1449	0.73	ug/L	94
10) Carbon Tetrachloride	5.473	117	253	0.33	ug/L	94
11) 1,1,1-Trichloroethane	5.527	97	441	0.40	ug/L	91
12) Benzene	5.931	78	1563	0.56	ug/L	97
14) 1,2-Dichloroethane	6.129	62	319	0.25	ug/L	80
15) Trichloroethene	6.549	95	410	0.52	ug/L	96
16) 1,2-Dichloropropane	7.058	63	373	0.44	ug/L	88
17) cis-1,3-Dichloropropene	7.807	75	217	0.32	ug/L	73
20) trans-1,3-Dichloropropene	8.528	75	94	0.16	ug/L	74
21) Tetrachloroethene	8.424	166	328	0.44	ug/L #	91
22) 1,4-Dichlorobenzene	11.913	146	897	0.56	ug/L #	26

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\08-20-24\
 Data File : N0132207.D
 Acq On : 20 Aug 2024 1:05 pm
 Operator : jeniferw
 Sample : IC6705-1
 Misc : MS57318,VN6705,,,,,
 ALS Vial : 11 Sample Multiplier: 1

Quant Time: Aug 20 13:21:18 2024
 Quant Method : C:\msdchem\1\methods\SIMCL_VN6705_082024.M
 Quant Title : Standard Methods 6200B
 QLast Update : Tue Aug 20 12:28:26 2024
 Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\08-20-24\
 Data File : N0132208.D
 Acq On : 20 Aug 2024 1:28 pm
 Operator : jeniferw
 Sample : IC6705-2
 Misc : MS57318,VN6705,,,,,
 ALS Vial : 12 Sample Multiplier: 1

Quant Time: Aug 20 13:44:15 2024
 Quant Method : C:\msdchem\1\methods\SIMCL_VN6705_082024.M
 Quant Title : Standard Methods 6200B
 QLast Update : Tue Aug 20 13:23:25 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	

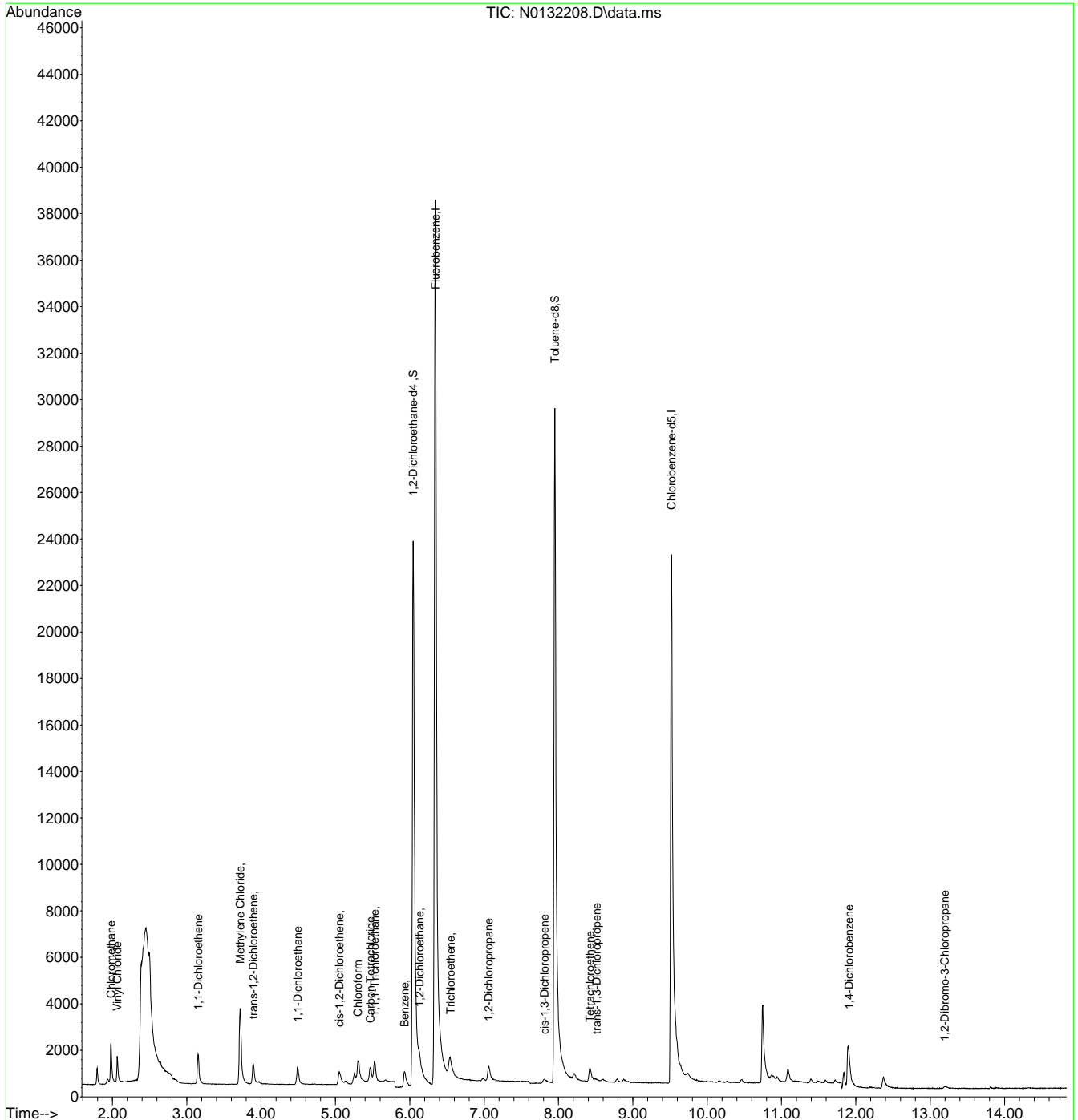
Internal Standards							
1) Fluorobenzene	6.341	96	50625	5.00	ug/L	0.00	
18) Chlorobenzene-d5	9.519	117	31825	5.00	ug/L	0.00	
System Monitoring Compounds							
13) 1,2-Dichloroethane-d4	6.045	65	22163	5.02	ug/L	0.00	
Spiked Amount	5.000	Range 74 - 125	Recovery	=	100.40%		
19) Toluene-d8	7.950	98	36684	5.24	ug/L	0.00	
Spiked Amount	5.000	Range 88 - 111	Recovery	=	104.80%		
Target Compounds							
							Qvalue
2) Vinyl Chloride	2.065	62	1030	0.92	ug/L		99
3) Chloromethane	1.982	50	1890	1.01	ug/L		99
4) 1,1-Dichloroethene	3.152	61	929	0.60	ug/L		88
5) Methylene Chloride	3.718	49	3350	1.63	ug/L		88
6) trans-1,2-Dichloroethene	3.894	61	770	0.59	ug/L		95
7) 1,1-Dichloroethane	4.492	63	1009	0.57	ug/L		96
8) cis-1,2-Dichloroethene	5.052	96	467	0.62	ug/L		94
9) Chloroform	5.303	83	1576	0.78	ug/L		93
10) Carbon Tetrachloride	5.473	117	471	0.60	ug/L		97
11) 1,1,1-Trichloroethane	5.527	97	672	0.59	ug/L		94
12) Benzene	5.931	78	1712	0.60	ug/L		96
14) 1,2-Dichloroethane	6.129	62	723	0.56	ug/L		98
15) Trichloroethene	6.548	95	489	0.61	ug/L		93
16) 1,2-Dichloropropane	7.058	63	526	0.61	ug/L		92
17) cis-1,3-Dichloropropene	7.813	75	347	0.51	ug/L		78
20) trans-1,3-Dichloropropene	8.512	75	218	0.37	ug/L #		59
21) Tetrachloroethene	8.424	166	449	0.59	ug/L #		96
22) 1,4-Dichlorobenzene	11.909	146	1037	0.63	ug/L #		32
23) 1,2-Dibromo-3-Chloropr...	13.196	75	123m	0.87	ug/L		

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\08-20-24\
 Data File : N0132208.D
 Acq On : 20 Aug 2024 1:28 pm
 Operator : jeniferw
 Sample : IC6705-2
 Misc : MS57318,VN6705,,,,,
 ALS Vial : 12 Sample Multiplier: 1

Quant Time: Aug 20 13:44:15 2024
 Quant Method : C:\msdchem\1\methods\SIMCL_VN6705_082024.M
 Quant Title : Standard Methods 6200B
 QLast Update : Tue Aug 20 13:23:25 2024
 Response via : Initial Calibration



Manual Integration Approval Summary

Sample Number: VN6705-IC6705 **Method:** SW846 8260D BY SIM
Lab FileID: N0132208.D **Analyst approved:** 08/20/24 14:18 Jenifer Willis
Injection Time: 08/20/24 13:28 **Supervisor approved:** 08/20/24 14:44 Karen Watson

Parameter	CAS	Sig#	R.T. (min.)	Reason
1,2-Dibromo-3-chloropropane	96-12-8		13.20	Missed peak

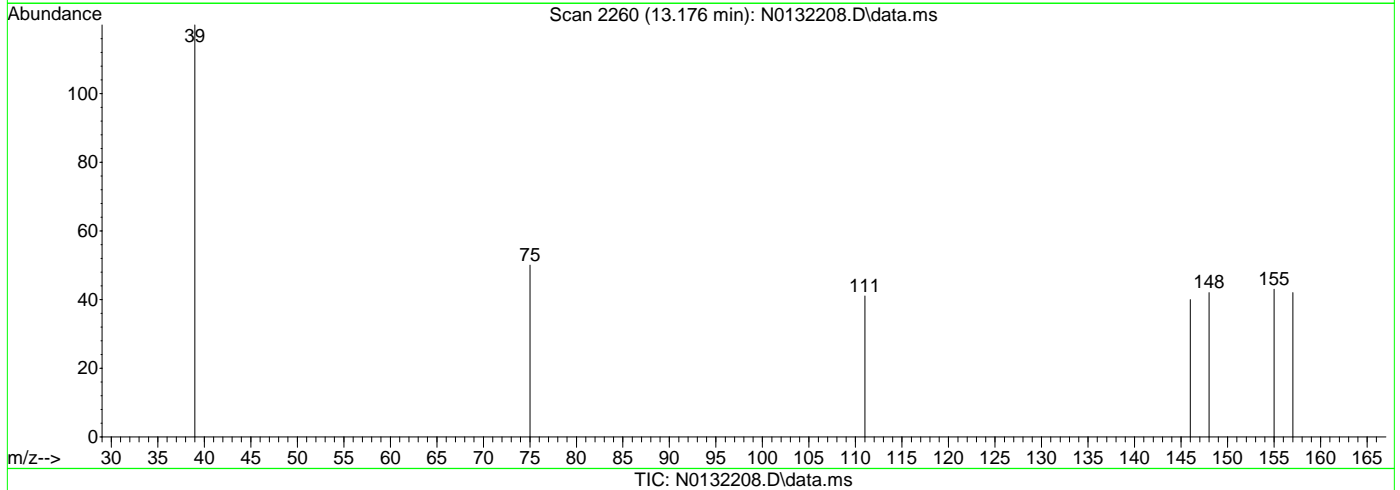
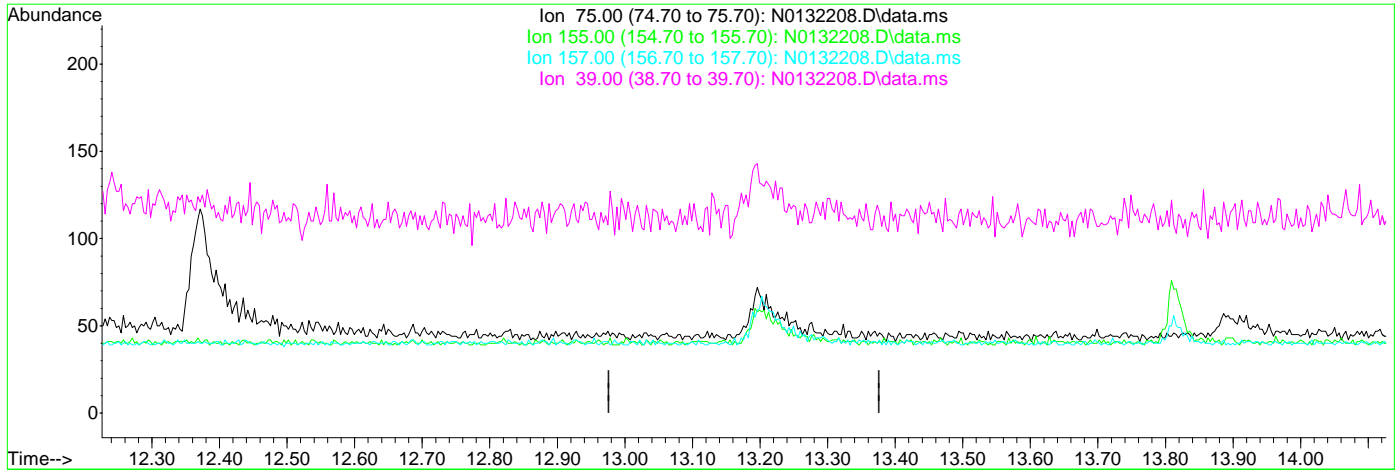
7.6.7.1

7

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\08-20-24\
 Data File : N0132208.D
 Acq On : 20 Aug 2024 1:28 pm
 Operator : jeniferw
 Sample : IC6705-2
 Misc : MS57274,VN6705,,,,,
 ALS Vial : 12 Sample Multiplier: 1

Quant Time: Aug 20 13:44:05 2024
 Quant Method : C:\msdchem\1\methods\SIMCL_VN6705_082024.M
 Quant Title : Standard Methods 6200B
 QLast Update : Tue Aug 20 13:23:25 2024
 Response via : Initial Calibration



(23) 1,2-Dibromo-3-Chloropropane

13.176min (-13.176) 0.00ug/L

response 0

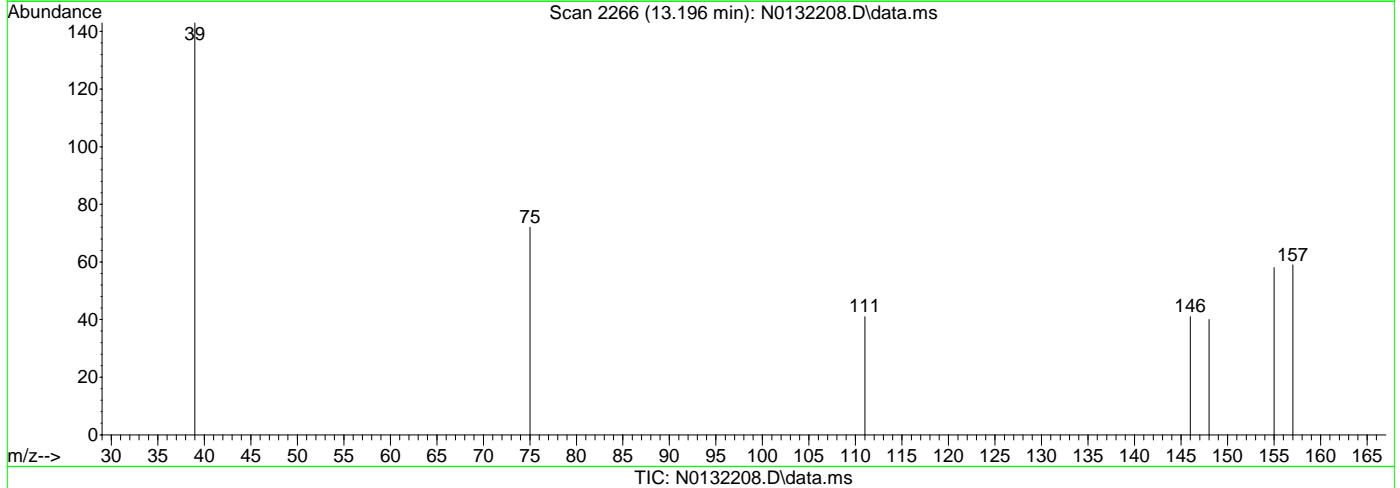
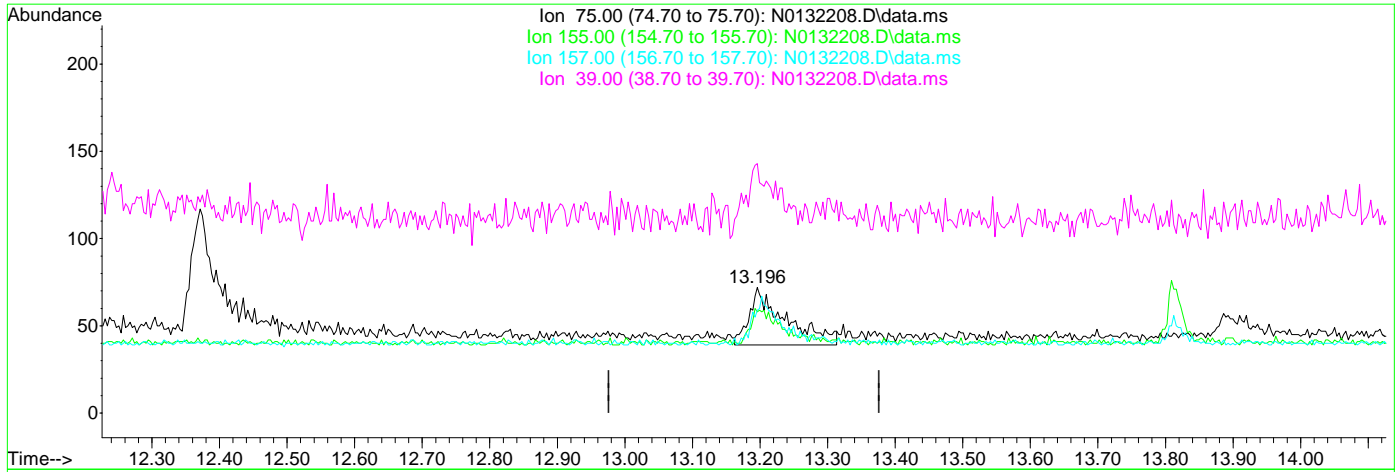
Ion	Exp%	Act%
75.00	100	0.00
155.00	72.00	0.00#
157.00	87.40	0.00#
39.00	113.50	0.00#

7.6.7.2
7

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\08-20-24\
 Data File : N0132208.D
 Acq On : 20 Aug 2024 1:28 pm
 Operator : jeniferw
 Sample : IC6705-2
 Misc : MS57274,VN6705,,,,,
 ALS Vial : 12 Sample Multiplier: 1

Quant Time: Aug 20 13:44:05 2024
 Quant Method : C:\msdchem\1\methods\SIMCL_VN6705_082024.M
 Quant Title : Standard Methods 6200B
 QLast Update : Tue Aug 20 13:23:25 2024
 Response via : Initial Calibration



(23) 1,2-Dibromo-3-Chloropropane

13.196min (+0.020) 0.87ug/L m

response 123

Ion	Exp%	Act%
75.00	100	100
155.00	72.00	80.56
157.00	87.40	81.94
39.00	113.50	198.61#

7.6.7.3
7

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\08-20-24\
 Data File : N0132209.D
 Acq On : 20 Aug 2024 1:52 pm
 Operator : jeniferw
 Sample : ICV6705-5
 Misc : MS57318,VN6705,,,,,
 ALS Vial : 13 Sample Multiplier: 1

Quant Time: Aug 20 14:07:51 2024
 Quant Method : C:\msdchem\1\methods\SIMCL_VN6705_082024.M
 Quant Title : Standard Methods 6200B
 QLast Update : Tue Aug 20 14:01:28 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	

Internal Standards							
1) Fluorobenzene	6.341	96	60876	5.00	ug/L	0.00	
18) Chlorobenzene-d5	9.519	117	38477	5.00	ug/L	0.00	
System Monitoring Compounds							
13) 1,2-Dichloroethane-d4	6.045	65	24856	4.75	ug/L	0.00	
Spiked Amount	5.000	Range 74 - 125	Recovery	=	95.00%		
19) Toluene-d8	7.950	98	44023	5.18	ug/L	0.00	
Spiked Amount	5.000	Range 88 - 111	Recovery	=	103.60%		
Target Compounds							
							Qvalue
2) Vinyl Chloride	2.065	62	11230	8.34	ug/L		100
3) Chloromethane	1.977	50	14558	8.09	ug/L		99
4) 1,1-Dichloroethene	3.147	61	18570	10.37	ug/L		99
5) Methylene Chloride	3.712	49	25489	10.75	ug/L		99
6) trans-1,2-Dichloroethene	3.883	61	16100	10.77	ug/L		99
7) 1,1-Dichloroethane	4.487	63	21110	10.51	ug/L		100
8) cis-1,2-Dichloroethene	5.041	96	9214	10.51	ug/L		96
9) Chloroform	5.303	83	21095	10.63	ug/L		99
10) Carbon Tetrachloride	5.466	117	9791	10.75	ug/L		97
11) 1,1,1-Trichloroethane	5.527	97	14177	10.94	ug/L		100
12) Benzene	5.915	78	34837	10.71	ug/L		99
14) 1,2-Dichloroethane	6.120	62	16914	11.01	ug/L		98
15) Trichloroethene	6.531	95	10005	10.93	ug/L		99
16) 1,2-Dichloropropane	7.046	63	11103	10.82	ug/L		99
17) cis-1,3-Dichloropropene	7.769	75	9207	11.33	ug/L		99
20) trans-1,3-Dichloropropene	8.424	75	8519	10.99	ug/L		97
21) Tetrachloroethene	8.407	166	10078	11.63	ug/L #		97
22) 1,4-Dichlorobenzene	11.906	146	22317	11.35	ug/L		99
23) 1,2-Dibromo-3-Chloropr...	13.179	75	1753	10.88	ug/L		98

(#) = qualifier out of range (m) = manual integration (+) = signals summed

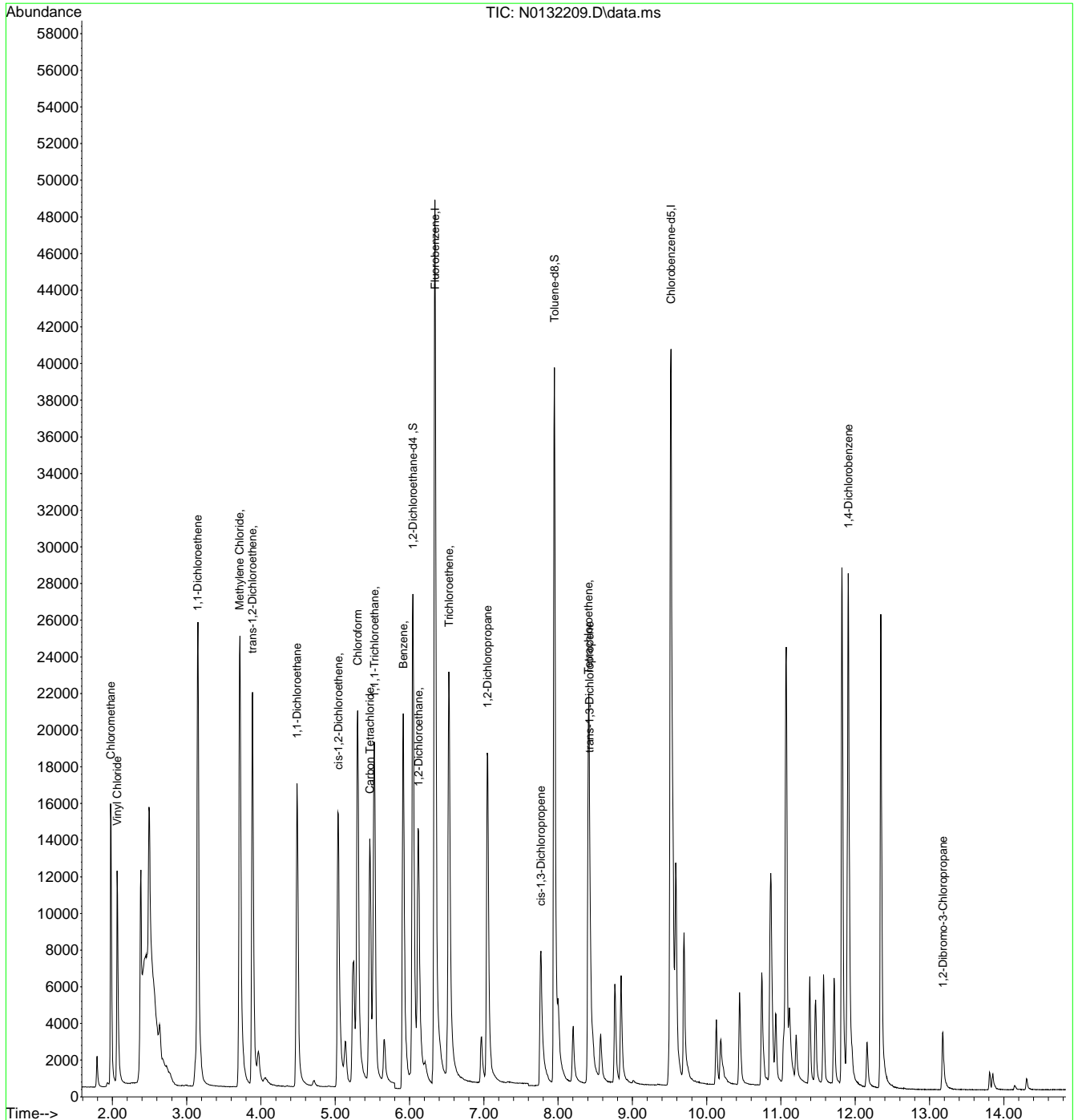


7.6.8
7

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\08-20-24\
 Data File : N0132209.D
 Acq On : 20 Aug 2024 1:52 pm
 Operator : jeniferw
 Sample : ICV6705-5
 Misc : MS57318,VN6705,,,,,
 ALS Vial : 13 Sample Multiplier: 1

Quant Time: Aug 20 14:07:51 2024
 Quant Method : C:\msdchem\1\methods\SIMCL_VN6705_082024.M
 Quant Title : Standard Methods 6200B
 QLast Update : Tue Aug 20 14:01:28 2024
 Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\08-28-24\
 Data File : N0132314.D
 Acq On : 28 Aug 2024 9:18 am
 Operator : jeniferw
 Sample : CC6705-5
 Misc : MS57365,VN6710,,,,,
 ALS Vial : 2 Sample Multiplier: 1

Quant Time: Aug 28 10:12:37 2024
 Quant Method : C:\msdchem\1\methods\SIMCL_VN6705_082024.M
 Quant Title : Standard Methods 6200B
 QLast Update : Tue Aug 20 14:01:28 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	

Internal Standards							
1) Fluorobenzene	6.335	96	57946	5.00	ug/L	0.00	
18) Chlorobenzene-d5	9.514	117	37980	5.00	ug/L	0.00	
System Monitoring Compounds							
13) 1,2-Dichloroethane-d4	6.041	65	24057	4.83	ug/L	0.00	
Spiked Amount	5.000	Range 74 - 125	Recovery	=	96.60%		
19) Toluene-d8	7.945	98	42010	5.01	ug/L	0.00	
Spiked Amount	5.000	Range 88 - 111	Recovery	=	100.20%		
Target Compounds							
							Qvalue
2) Vinyl Chloride	2.059	62	19542	15.24	ug/L		97
3) Chloromethane	1.977	50	20392	11.91	ug/L		100
4) 1,1-Dichloroethene	3.147	61	15926	9.34	ug/L		92
5) Methylene Chloride	3.712	49	25119	11.24	ug/L		90
6) trans-1,2-Dichloroethene	3.882	61	14062	9.88	ug/L		94
7) 1,1-Dichloroethane	4.481	63	19043	9.96	ug/L		100
8) cis-1,2-Dichloroethene	5.036	96	8396	10.06	ug/L		98
9) Chloroform	5.296	83	18955	9.93	ug/L		98
10) Carbon Tetrachloride	5.466	117	7564	8.73	ug/L		99
11) 1,1,1-Trichloroethane	5.520	97	11749	9.53	ug/L		96
12) Benzene	5.910	78	30549	9.87	ug/L		100
14) 1,2-Dichloroethane	6.116	62	14305	9.79	ug/L		98
15) Trichloroethene	6.531	95	8596	9.87	ug/L		98
16) 1,2-Dichloropropane	7.046	63	9522	9.75	ug/L		99
17) cis-1,3-Dichloropropene	7.763	75	8017	10.37	ug/L		99
20) trans-1,3-Dichloropropene	8.418	75	7894	10.43	ug/L		95
21) Tetrachloroethene	8.407	166	8678	10.15	ug/L #		96
22) 1,4-Dichlorobenzene	11.902	146	20537	10.58	ug/L		99
23) 1,2-Dibromo-3-Chloropr...	13.172	75	1442	9.07	ug/L		96

(#) = qualifier out of range (m) = manual integration (+) = signals summed

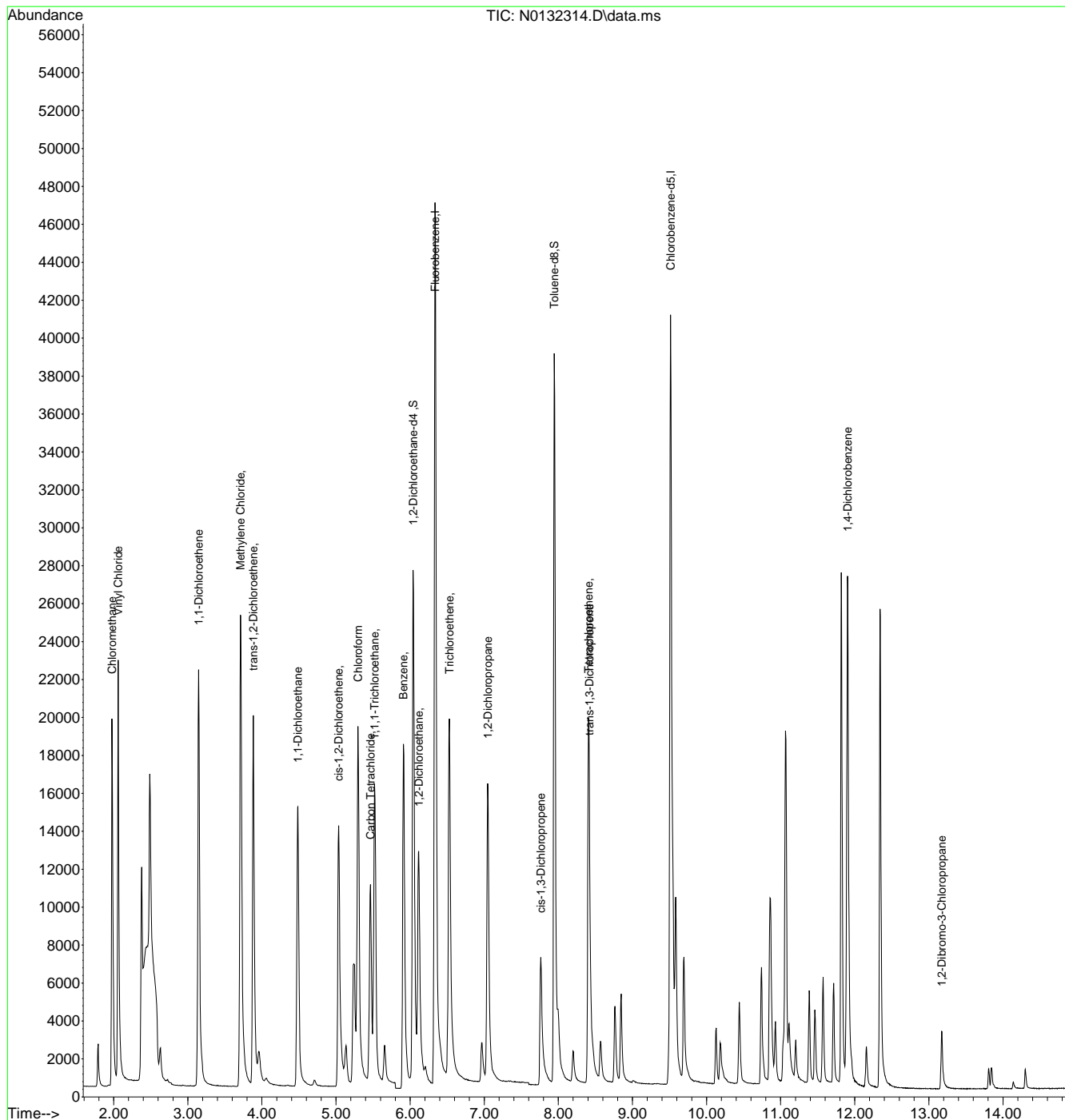


7.6.9
7

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\08-28-24\
 Data File : N0132314.D
 Acq On : 28 Aug 2024 9:18 am
 Operator : jeniferw
 Sample : CC6705-5
 Misc : MS57365,VN6710,,,,,
 ALS Vial : 2 Sample Multiplier: 1

Quant Time: Aug 28 10:12:37 2024
 Quant Method : C:\msdchem\1\methods\SIMCL_VN6705_082024.M
 Quant Title : Standard Methods 6200B
 QLast Update : Tue Aug 20 14:01:28 2024
 Response via : Initial Calibration



6'9" L

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\08-28-24\
 Data File : N0132340.D
 Acq On : 28 Aug 2024 8:06 pm
 Operator : jeniferw
 Sample : ECC6705-5
 Misc : MS57378,VN6710,,,,,
 ALS Vial : 28 Sample Multiplier: 1

Quant Time: Aug 29 05:52:48 2024
 Quant Method : C:\msdchem\1\methods\SIMCL_VN6705_082024.M
 Quant Title : Standard Methods 6200B
 QLast Update : Tue Aug 20 14:01:28 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	

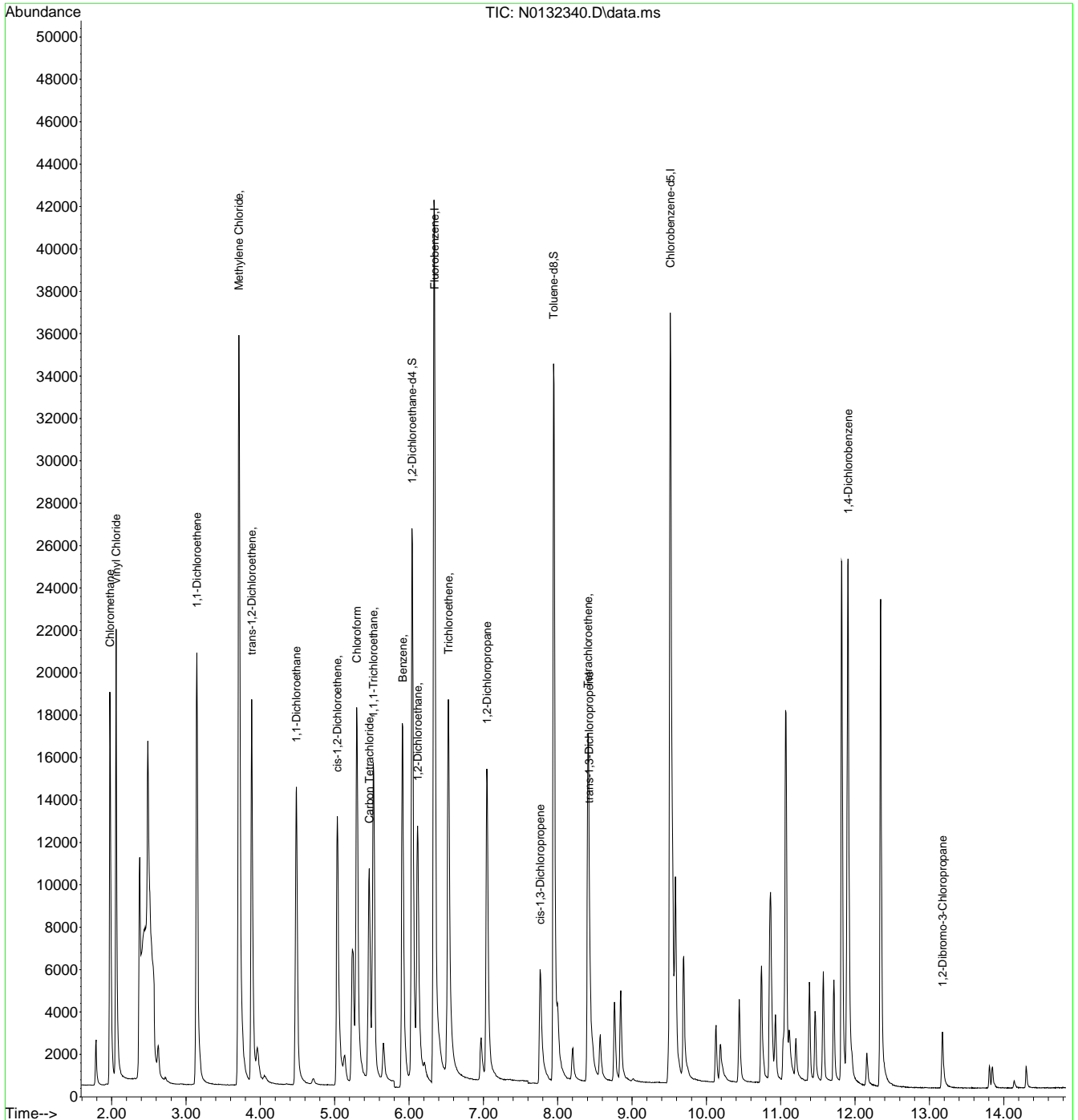
Internal Standards							
1) Fluorobenzene	6.341	96	54621	5.00	ug/L	0.00	
18) Chlorobenzene-d5	9.514	117	35072	5.00	ug/L	0.00	
System Monitoring Compounds							
13) 1,2-Dichloroethane-d4	6.041	65	23692	5.04	ug/L	0.00	
Spiked Amount	5.000	Range 74 - 125	Recovery	=	100.80%		
19) Toluene-d8	7.945	98	38828	5.02	ug/L	0.00	
Spiked Amount	5.000	Range 88 - 111	Recovery	=	100.40%		
Target Compounds							
							Qvalue
2) Vinyl Chloride	2.059	62	18263	15.11	ug/L		97
3) Chloromethane	1.977	50	19863	12.31	ug/L		99
4) 1,1-Dichloroethene	3.147	61	14959	9.31	ug/L		91
5) Methylene Chloride	3.712	49	35405	20.89	ug/L		89
6) trans-1,2-Dichloroethene	3.882	61	13214	9.85	ug/L		96
7) 1,1-Dichloroethane	4.487	63	18106	10.05	ug/L		99
8) cis-1,2-Dichloroethene	5.036	96	7770	9.88	ug/L		98
9) Chloroform	5.296	83	18108	10.08	ug/L		98
10) Carbon Tetrachloride	5.466	117	7223	8.84	ug/L		98
11) 1,1,1-Trichloroethane	5.520	97	11232	9.66	ug/L		95
12) Benzene	5.915	78	29380	10.07	ug/L		96
14) 1,2-Dichloroethane	6.116	62	14288	10.37	ug/L		99
15) Trichloroethene	6.531	95	8232	10.02	ug/L		98
16) 1,2-Dichloropropane	7.046	63	9175	9.97	ug/L		99
17) cis-1,3-Dichloropropene	7.763	75	6856	9.41	ug/L		98
20) trans-1,3-Dichloropropene	8.424	75	6662	9.67	ug/L		96
21) Tetrachloroethene	8.407	166	7983	10.11	ug/L #		97
22) 1,4-Dichlorobenzene	11.906	146	19362	10.80	ug/L		97
23) 1,2-Dibromo-3-Chloropr...	13.176	75	1401	9.54	ug/L		95

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\08-28-24\
 Data File : N0132340.D
 Acq On : 28 Aug 2024 8:06 pm
 Operator : jeniferw
 Sample : ECC6705-5
 Misc : MS57378,VN6710,,,,,
 ALS Vial : 28 Sample Multiplier: 1

Quant Time: Aug 29 05:52:48 2024
 Quant Method : C:\msdchem\1\methods\SIMCL_VN6705_082024.M
 Quant Title : Standard Methods 6200B
 QLast Update : Tue Aug 20 14:01:28 2024
 Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\082824\
 Data File : Z76603.D
 Acq On : 28 Aug 2024 8:29 am
 Operator : claudias
 Sample : IC3084-1 Inst : MSVOA15-Z
 Misc : MS57344,VZ3084,,,,,
 ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 28 09:43:35 2024
 Quant Method : C:\msdchem\1\methods\SIMCL-08-26-2024.M
 Quant Title : Standard Methods 6200B
 QLast Update : Mon Aug 26 13:08:06 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Fluorobenzene	7.895	96	16248	5.00	ug/L	0.00
18) Chlorobenzene-d5	10.980	117	17016	5.00	ug/L	0.00
System Monitoring Compounds						
13) 1,2-Dichloroethane-d4	7.628	65	4890	3.51	ug/L	0.00
Spiked Amount	5.000	Range 74 - 125	Recovery	=	70.20%#	
19) Toluene-d8	9.428	98	19188	6.95	ug/L	0.00
Spiked Amount	5.000	Range 88 - 111	Recovery	=	139.00%#	
Target Compounds						
						Qvalue
2) Vinyl Chloride	3.192	62	1003	0.52	ug/L	# 40
3) Chloromethane	3.133	50	820	0.32	ug/L	99
4) 1,1-Dichloroethene	4.570	61	285	0.11	ug/L	97
5) Methylene Chloride	5.213	49	2791	0.80	ug/L	96
6) trans-1,2-Dichloroethene	5.395	61	244	0.10	ug/L	94
7) 1,1-Dichloroethane	6.065	63	301	0.09	ug/L	97
8) cis-1,2-Dichloroethene	6.625	96	214	0.12	ug/L	95
9) Chloroform	6.883	83	360m	0.10	ug/L	
10) Carbon Tetrachloride	7.051	117	298m	0.11	ug/L	
11) 1,1,1-Trichloroethane	7.126	97	371m	0.13	ug/L	
12) Benzene	7.499	78	611	0.12	ug/L	93
14) 1,2-Dichloroethane	7.696	62	231	0.09	ug/L	95
15) Trichloroethene	8.066	95	180	0.12	ug/L	93
16) 1,2-Dichloropropane	8.588	63	166	0.11	ug/L	89
17) cis-1,3-Dichloropropene	9.246	75	272	0.20	ug/L	87
20) trans-1,3-Dichloropropene	9.880	75	273	0.25	ug/L	92
21) Tetrachloroethene	9.874	166	229	0.16	ug/L	# 92
22) 1,4-Dichlorobenzene	13.274	146	499	0.16	ug/L	95
23) 1,2-Dibromo-3-Chloropr...	14.517	75	94m	0.33	ug/L	

(#) = qualifier out of range (m) = manual integration (+) = signals summed

7.6.11
7

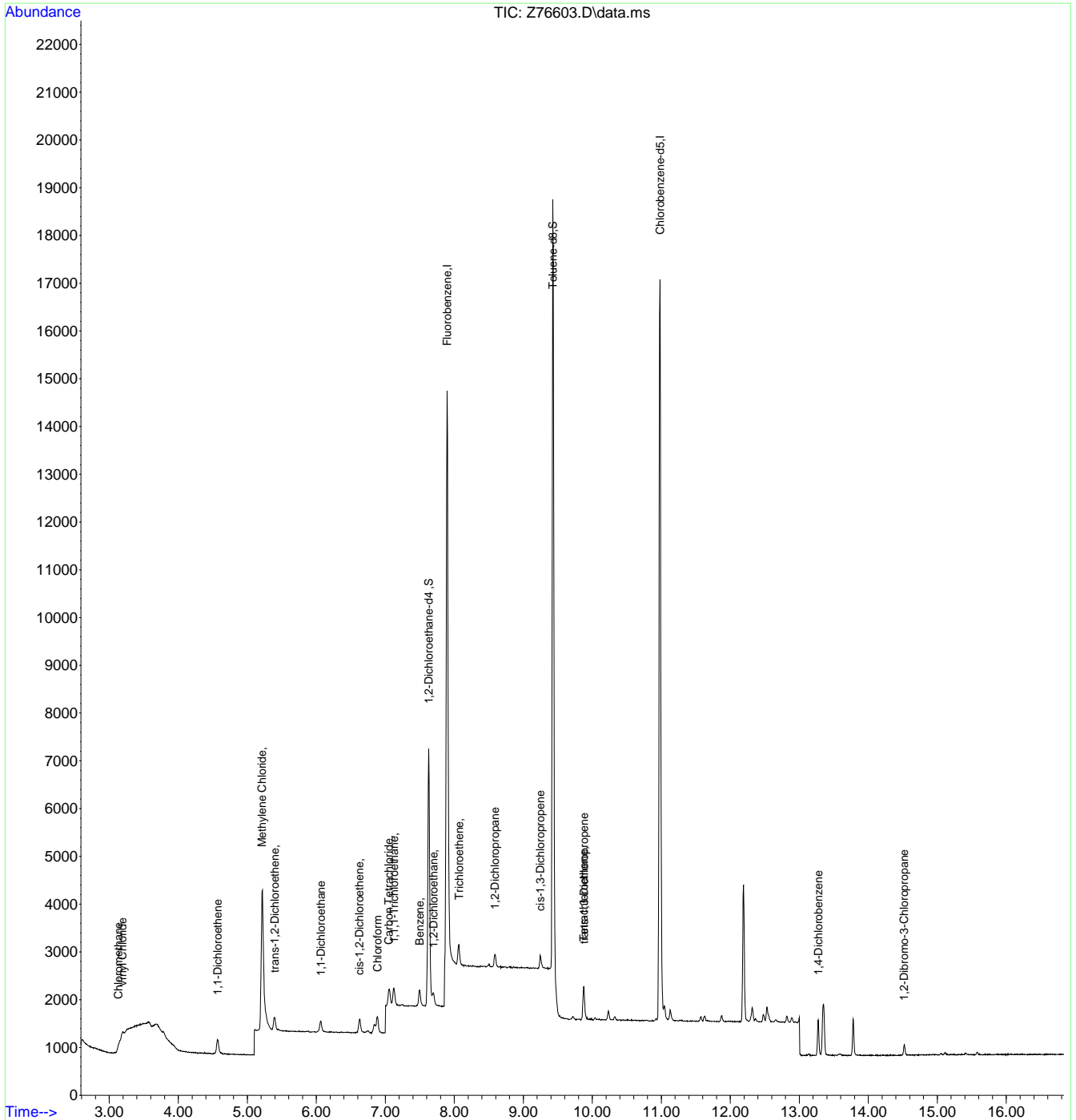


Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\082824\
 Data File : Z76603.D
 Acq On : 28 Aug 2024 8:29 am
 Operator : claudias
 Sample : IC3084-1
 Misc : MS57344,VZ3084,,,,,
 ALS Vial : 3 Sample Multiplier: 1

Inst : MSVOA15-Z

Quant Time: Aug 28 09:43:35 2024
 Quant Method : C:\msdchem\1\methods\SIMCL-08-26-2024.M
 Quant Title : Standard Methods 6200B
 QLast Update : Mon Aug 26 13:08:06 2024
 Response via : Initial Calibration



Manual Integration Approval Summary

Sample Number: VZ3084-IC3084 **Method:** SW846 8260D BY SIM
Lab FileID: Z76603.D **Analyst approved:** 08/28/24 12:42 Claudia Sosa
Injection Time: 08/28/24 08:29 **Supervisor approved:** 08/28/24 14:42 Karen Watson

Parameter	CAS	Sig#	R.T. (min.)	Reason
Chloroform	67-66-3		6.88	Poor instrument integration
Carbon Tetrachloride	56-23-5		7.05	Poor instrument integration
1,1,1-Trichloroethane	71-55-6		7.13	Poor instrument integration
1,2-Dibromo-3-chloropropane	96-12-8		14.52	Missed peak

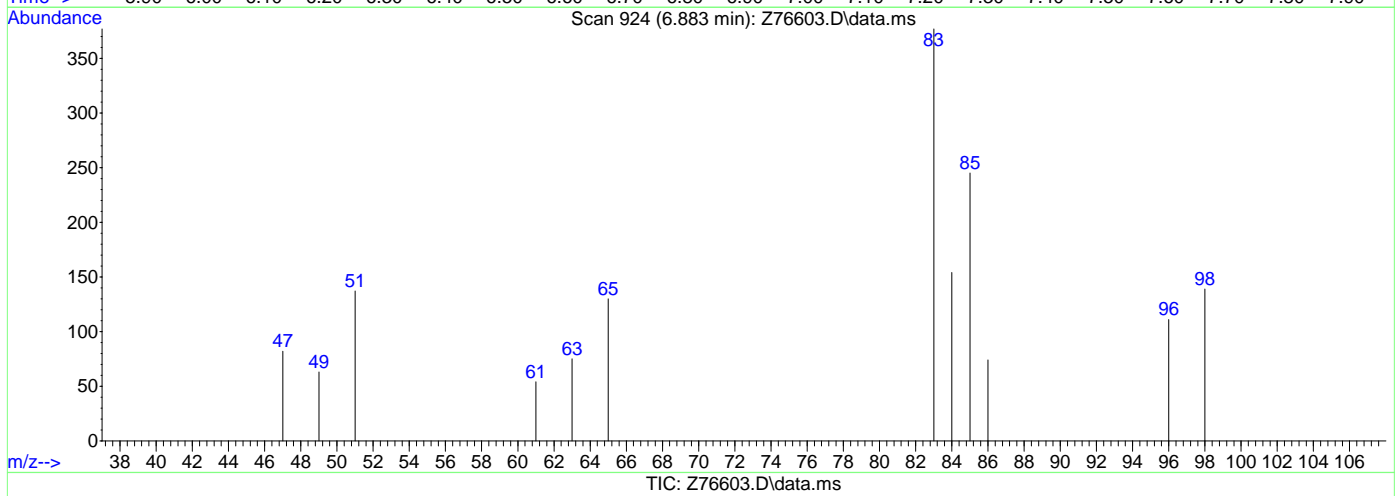
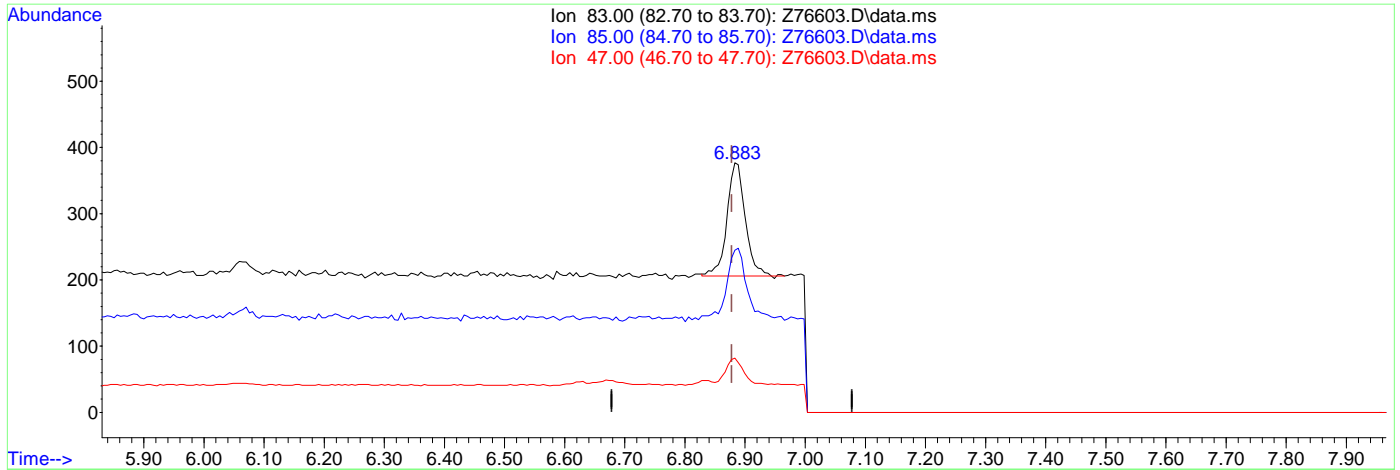
7.6.11.1
7

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\082824\
 Data File : Z76603.D
 Acq On : 28 Aug 2024 8:29 am
 Operator : claudias
 Sample : IC3084-1
 Misc : MS57344,VZ3084,,,,,
 ALS Vial : 3 Sample Multiplier: 1

Inst : MSVOA15-Z

Quant Time: Aug 28 09:43:35 2024
 Quant Method : C:\msdchem\1\methods\SIMCL-08-26-2024.M
 Quant Title : Standard Methods 6200B
 QLast Update : Mon Aug 26 13:08:06 2024
 Response via : Initial Calibration



(9) Chloroform
 6.883min (+0.005) 0.10ug/L m
 response 360

Ion	Exp%	Act%
83.00	100	100
85.00	65.90	64.99
47.00	21.00	21.75
0.00	0.00	0.00

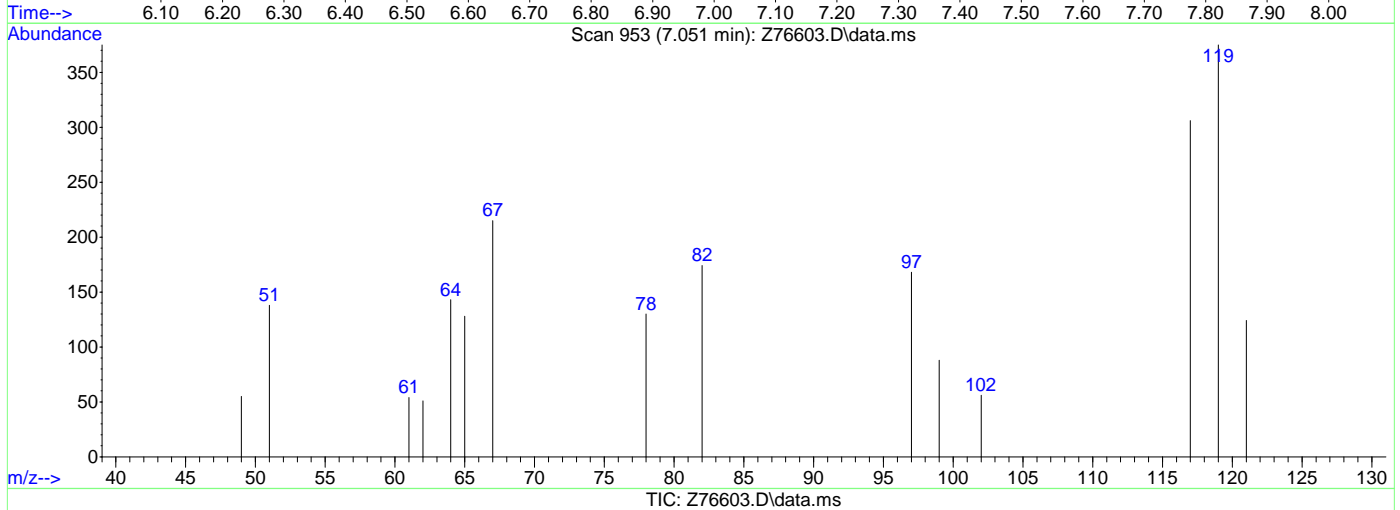
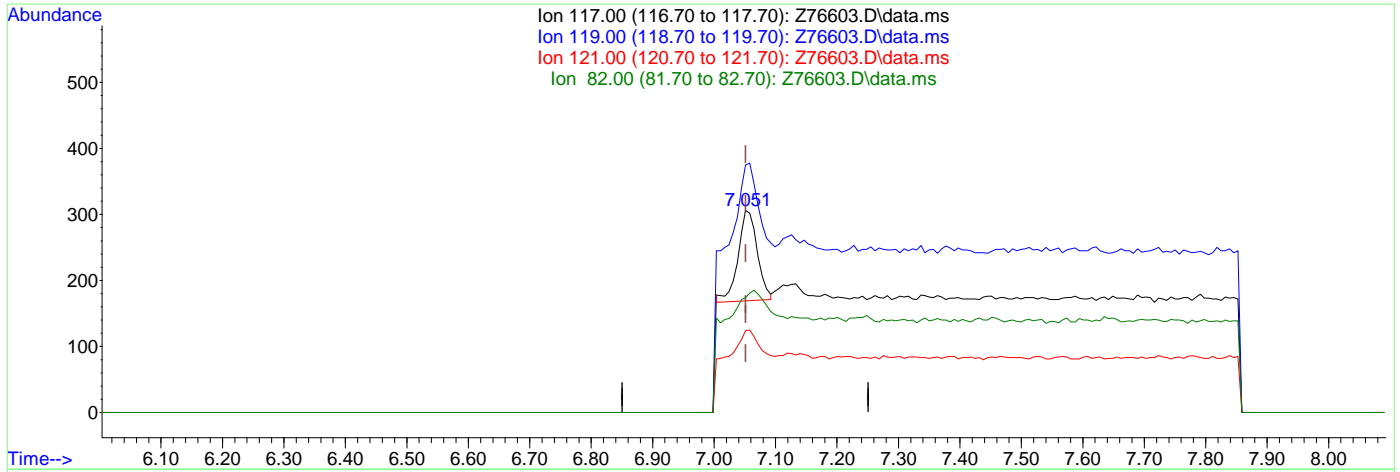
7.6.11.2
7

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\082824\
 Data File : Z76603.D
 Acq On : 28 Aug 2024 8:29 am
 Operator : claudias
 Sample : IC3084-1
 Misc : MS57344,VZ3084,,,,,
 ALS Vial : 3 Sample Multiplier: 1

Inst : MSVOA15-Z

Quant Time: Aug 28 09:43:35 2024
 Quant Method : C:\msdchem\1\methods\SIMCL-08-26-2024.M
 Quant Title : Standard Methods 6200B
 QLast Update : Mon Aug 26 13:08:06 2024
 Response via : Initial Calibration



(10) Carbon Tetrachloride ()

7.051min (+0.000) 0.11ug/L m

response 298

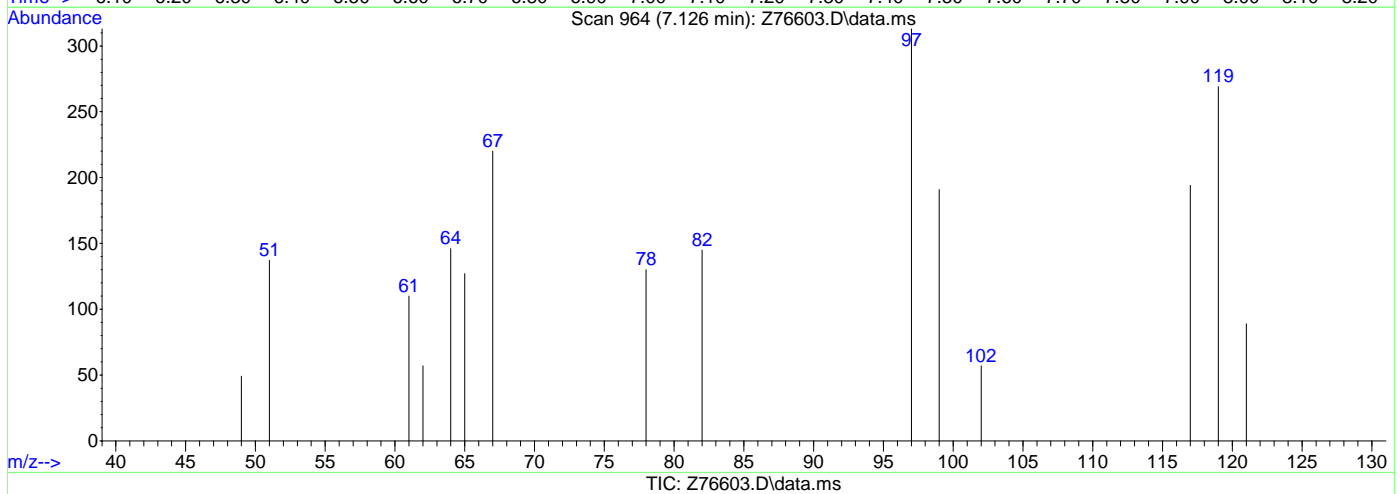
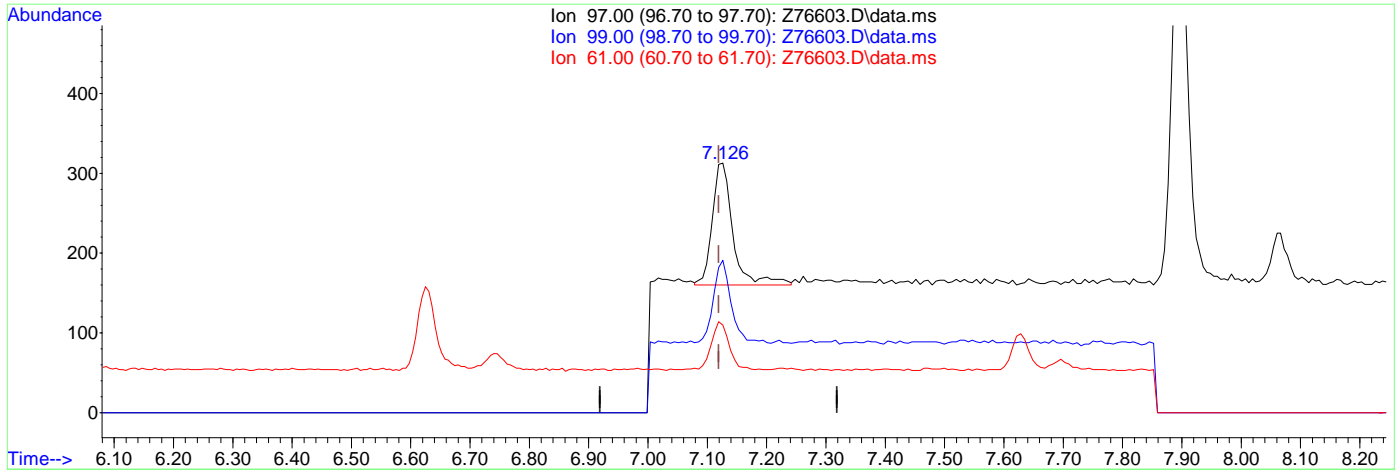
Ion	Exp%	Act%
117.00	100	100
119.00	96.20	122.55
121.00	31.20	40.52
82.00	20.80	56.86#

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\082824\
 Data File : Z76603.D
 Acq On : 28 Aug 2024 8:29 am
 Operator : claudias
 Sample : IC3084-1
 Misc : MS57344,VZ3084,,,,,
 ALS Vial : 3 Sample Multiplier: 1

Inst : MSVOA15-Z

Quant Time: Aug 28 09:43:35 2024
 Quant Method : C:\msdchem\1\methods\SIMCL-08-26-2024.M
 Quant Title : Standard Methods 6200B
 QLast Update : Mon Aug 26 13:08:06 2024
 Response via : Initial Calibration



(11) 1,1,1-Trichloroethane ()

7.126min (+0.007) 0.13ug/L m

response 371

Ion	Exp%	Act%
-----	------	------

97.00	100	100
-------	-----	-----

99.00	64.80	61.02
-------	-------	-------

61.00	33.90	35.14
-------	-------	-------

0.00	0.00	0.00
------	------	------

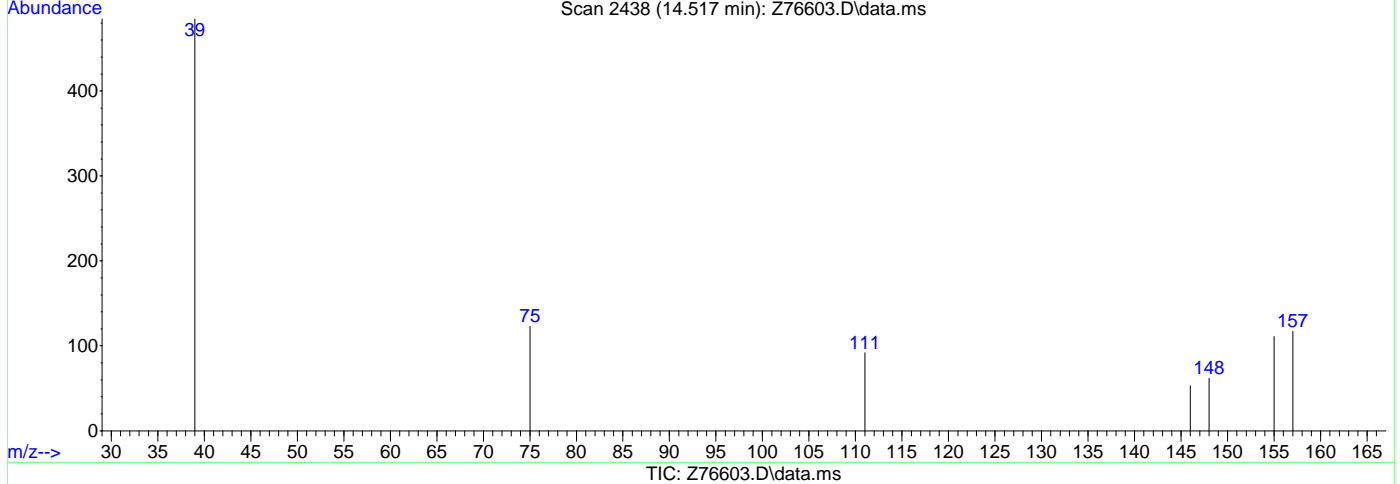
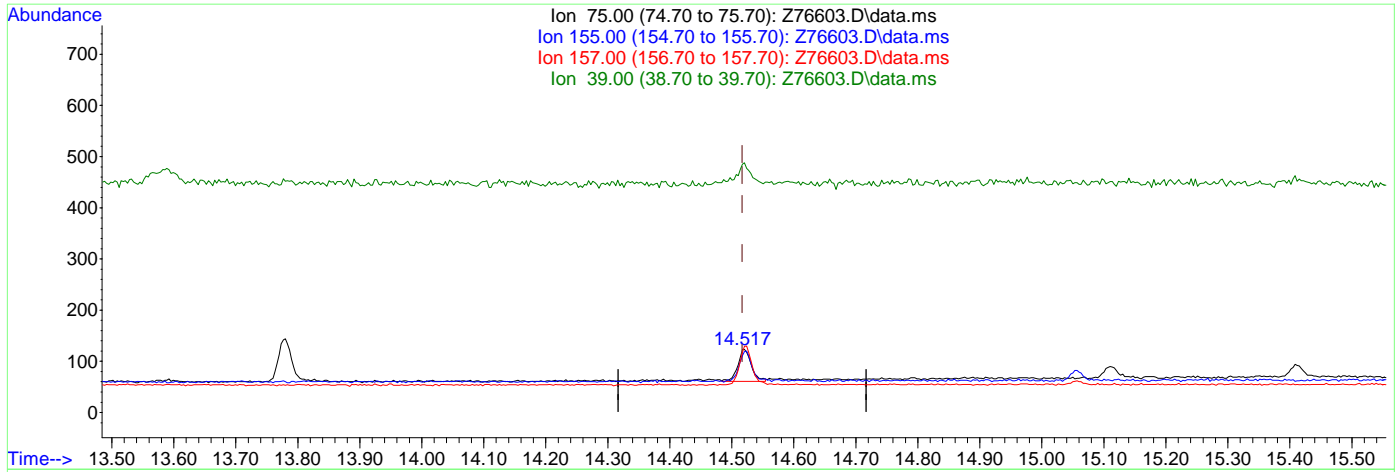
7.6.11.4
7

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\082824\
 Data File : Z76603.D
 Acq On : 28 Aug 2024 8:29 am
 Operator : claudias
 Sample : IC3084-1
 Misc : MS57344,VZ3084,,,,,
 ALS Vial : 3 Sample Multiplier: 1

Inst : MSVOA15-Z

Quant Time: Aug 28 09:43:35 2024
 Quant Method : C:\msdchem\1\methods\SIMCL-08-26-2024.M
 Quant Title : Standard Methods 6200B
 QLast Update : Mon Aug 26 13:08:06 2024
 Response via : Initial Calibration



(23) 1,2-Dibromo-3-Chloropropane

14.517min (+0.000) 0.33ug/L m

response 94

Ion	Exp%	Act%
75.00	100	100
155.00	116.30	90.24
157.00	149.10	95.12#
39.00	55.20	394.31#

7.6.11.5
7

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\082824\
 Data File : Z76604.D
 Acq On : 28 Aug 2024 8:51 am
 Operator : claudias
 Sample : IC3084-2 Inst : MSVOA15-Z
 Misc : MS57344,VZ3084,,,,,
 ALS Vial : 4 Sample Multiplier: 1

Quant Time: Aug 28 09:15:52 2024
 Quant Method : C:\msdchem\1\methods\SIMCL-08-26-2024.M
 Quant Title : Standard Methods 6200B
 QLast Update : Mon Aug 26 13:08:06 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	Qvalue

Internal Standards							
1) Fluorobenzene	7.894	96	16712	5.00	ug/L	0.00	
18) Chlorobenzene-d5	10.980	117	17424	5.00	ug/L	0.00	
System Monitoring Compounds							
13) 1,2-Dichloroethane-d4	7.628	65	5206	3.64	ug/L	0.00	
Spiked Amount	5.000	Range 74 - 125	Recovery	=	72.80%#		
19) Toluene-d8	9.428	98	19524	6.91	ug/L	0.00	
Spiked Amount	5.000	Range 88 - 111	Recovery	=	138.20%#		
Target Compounds							
2) Vinyl Chloride	3.188	62	1692	0.85	ug/L		78
3) Chloromethane	3.133	50	1602	0.60	ug/L		97
4) 1,1-Dichloroethene	4.566	61	1109	0.42	ug/L		97
5) Methylene Chloride	5.213	49	3660	1.03	ug/L		96
6) trans-1,2-Dichloroethene	5.389	61	1014	0.39	ug/L		96
7) 1,1-Dichloroethane	6.059	63	1316	0.37	ug/L		99
8) cis-1,2-Dichloroethene	6.625	96	781	0.44	ug/L		94
9) Chloroform	6.883	83	1378m	0.36	ug/L		
10) Carbon Tetrachloride	7.058	117	1171m	0.44	ug/L		
11) 1,1,1-Trichloroethane	7.126	97	1268m	0.43	ug/L		
12) Benzene	7.492	78	2431	0.46	ug/L		96
14) 1,2-Dichloroethane	7.696	62	922	0.36	ug/L		95
15) Trichloroethene	8.060	95	670	0.43	ug/L		92
16) 1,2-Dichloropropane	8.588	63	652	0.42	ug/L		93
17) cis-1,3-Dichloropropene	9.246	75	997	0.70	ug/L		94
20) trans-1,3-Dichloropropene	9.874	75	890	0.79	ug/L		95
21) Tetrachloroethene	9.874	166	751	0.53	ug/L #		94
22) 1,4-Dichlorobenzene	13.354	146	1489	0.45	ug/L		87
23) 1,2-Dibromo-3-Chloropr...	14.520	75	224m	0.77	ug/L		

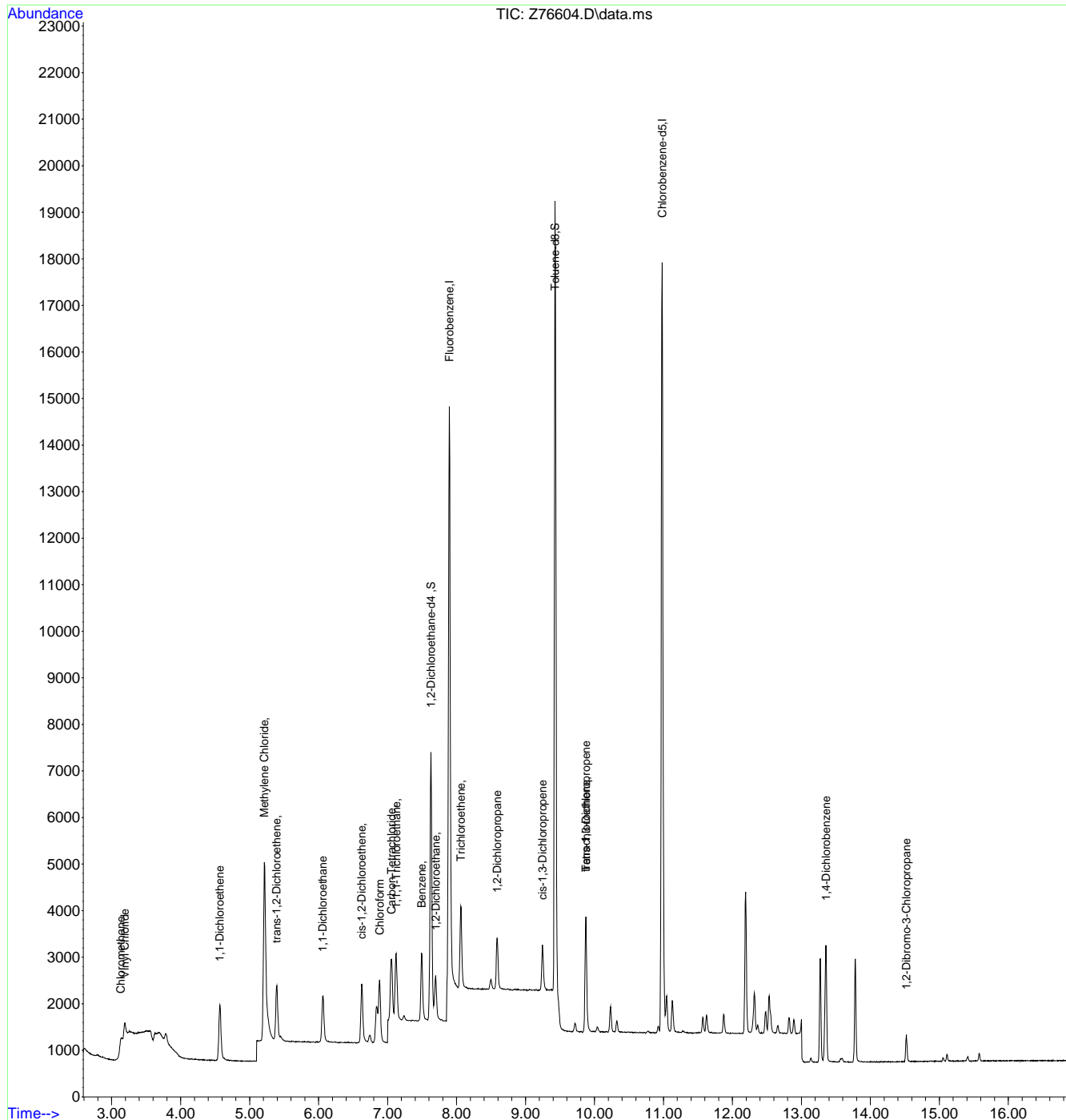
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\082824\
 Data File : Z76604.D
 Acq On : 28 Aug 2024 8:51 am
 Operator : claudias
 Sample : IC3084-2
 Misc : MS57344,VZ3084,,,,,
 ALS Vial : 4 Sample Multiplier: 1

Inst : MSVOA15-Z

Quant Time: Aug 28 09:15:52 2024
 Quant Method : C:\msdchem\1\methods\SIMCL-08-26-2024.M
 Quant Title : Standard Methods 6200B
 QLast Update : Mon Aug 26 13:08:06 2024
 Response via : Initial Calibration



7.6.12
7



Manual Integration Approval Summary

Sample Number: VZ3084-IC3084 **Method:** SW846 8260D BY SIM
Lab FileID: Z76604.D **Analyst approved:** 08/28/24 12:42 Claudia Sosa
Injection Time: 08/28/24 08:51 **Supervisor approved:** 08/28/24 14:42 Karen Watson

Parameter	CAS	Sig#	R.T. (min.)	Reason
Chloroform	67-66-3		6.88	Poor instrument integration
Carbon Tetrachloride	56-23-5		7.06	Poor instrument integration
1,1,1-Trichloroethane	71-55-6		7.13	Poor instrument integration
1,2-Dibromo-3-chloropropane	96-12-8		14.52	Missed peak

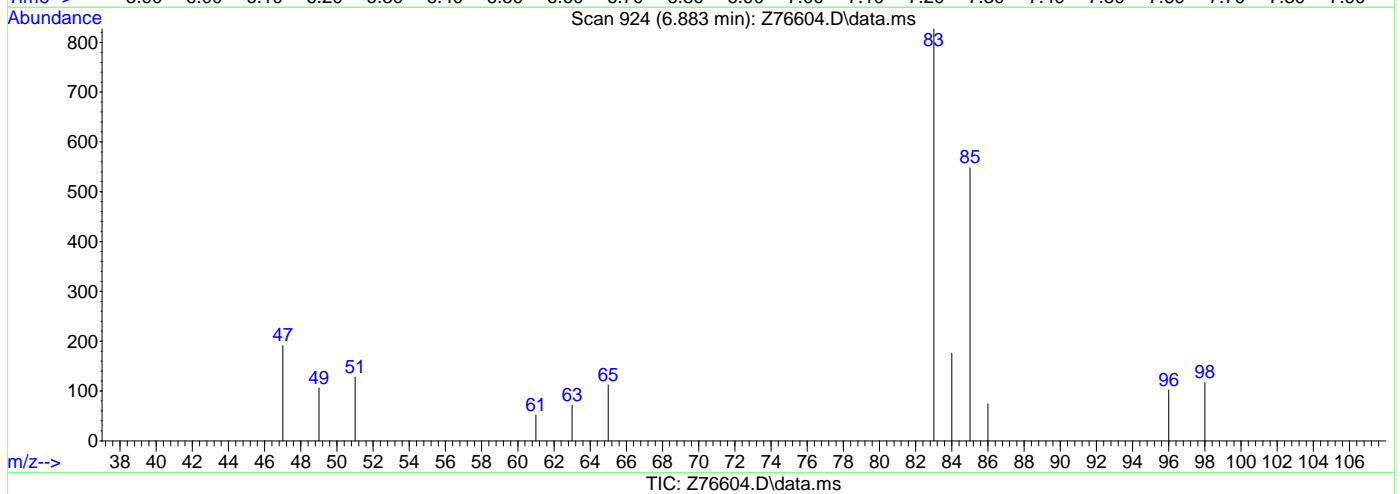
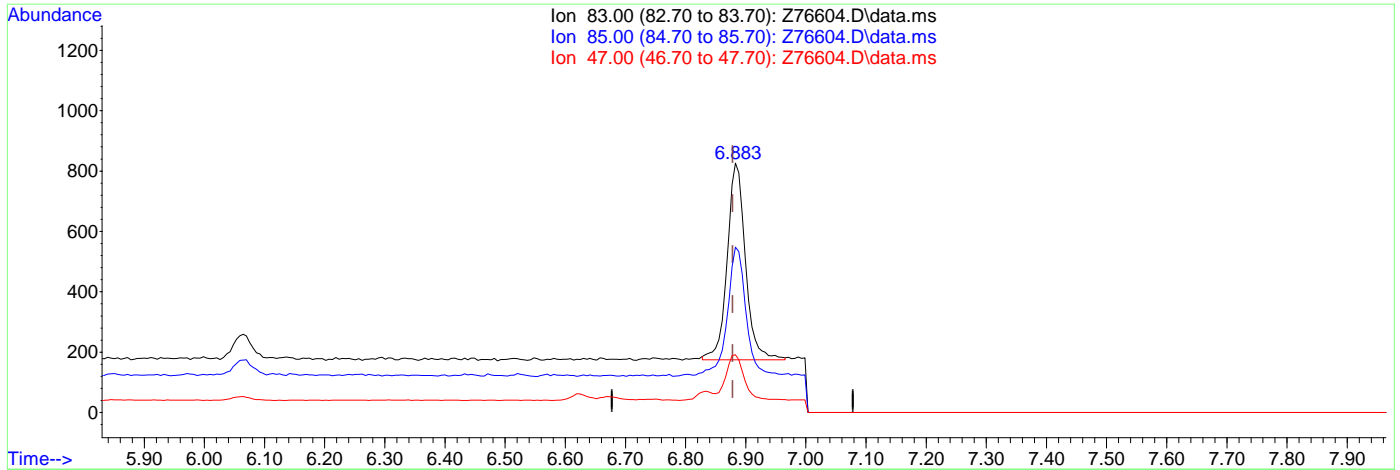
7.6.12.1
7

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\082824\
 Data File : Z76604.D
 Acq On : 28 Aug 2024 8:51 am
 Operator : claudias
 Sample : IC3084-2
 Misc : MS57344,VZ3084,,,,,
 ALS Vial : 4 Sample Multiplier: 1

Inst : MSVOA15-Z

Quant Time: Aug 28 09:15:52 2024
 Quant Method : C:\msdchem\1\methods\SIMCL-08-26-2024.M
 Quant Title : Standard Methods 6200B
 QLast Update : Mon Aug 26 13:08:06 2024
 Response via : Initial Calibration



(9) Chloroform

6.883min (+0.005) 0.36ug/L m

response 1378

Ion	Exp%	Act%
83.00	100	100
85.00	65.90	66.26
47.00	21.00	23.10
0.00	0.00	0.00

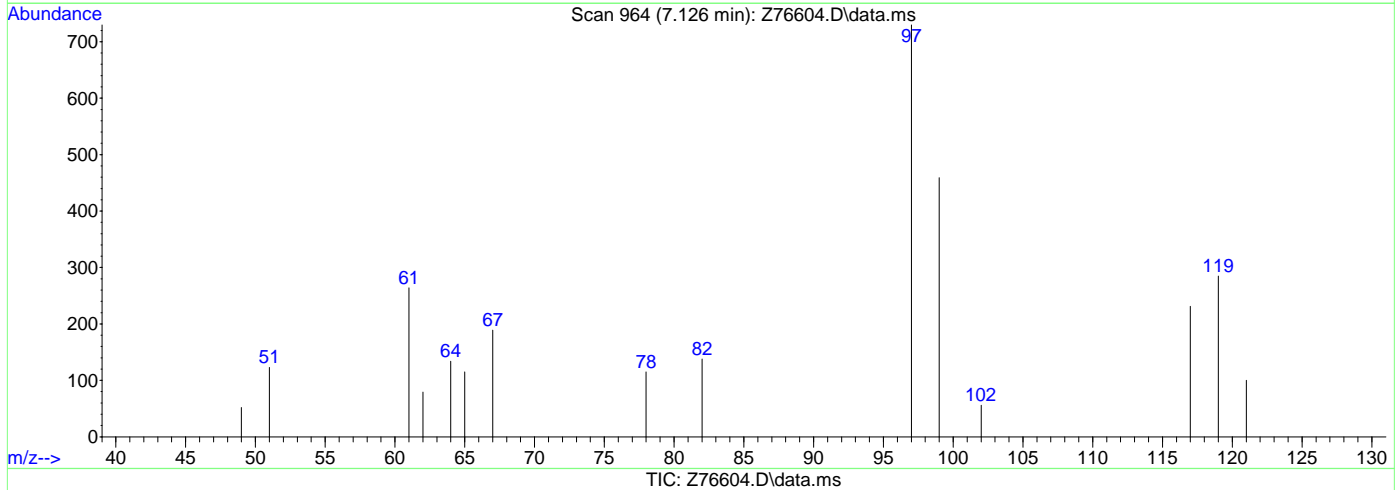
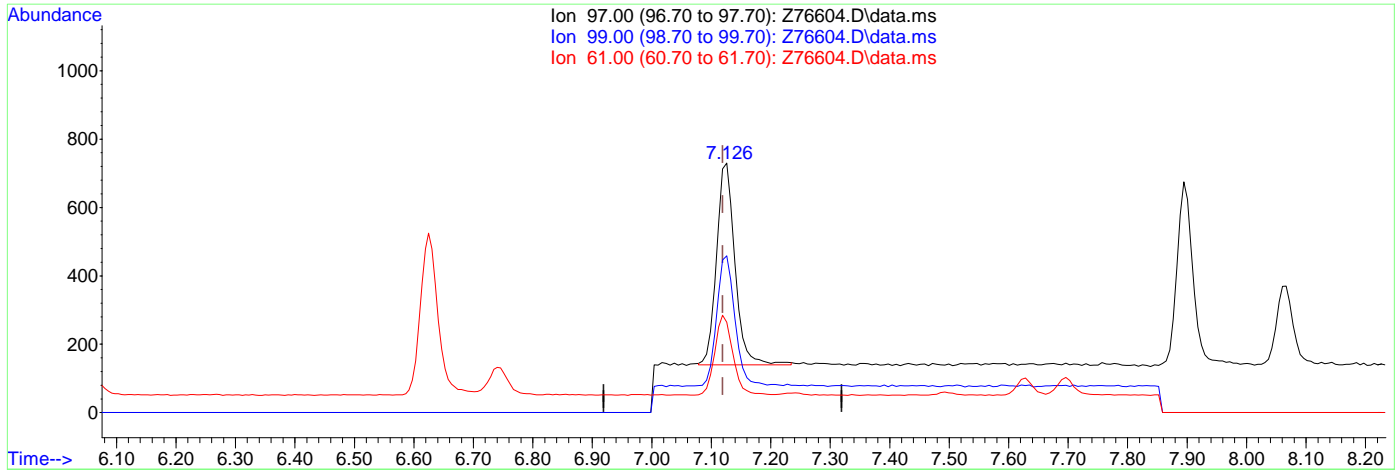
7.6.122
7

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\082824\
 Data File : Z76604.D
 Acq On : 28 Aug 2024 8:51 am
 Operator : claudias
 Sample : IC3084-2
 Misc : MS57344,VZ3084,,,,,
 ALS Vial : 4 Sample Multiplier: 1

Inst : MSVOA15-Z

Quant Time: Aug 28 09:15:52 2024
 Quant Method : C:\msdchem\1\methods\SIMCL-08-26-2024.M
 Quant Title : Standard Methods 6200B
 QLast Update : Mon Aug 26 13:08:06 2024
 Response via : Initial Calibration



(11) 1,1,1-Trichloroethane ()

7.126min (+0.007) 0.43ug/L m

response 1268

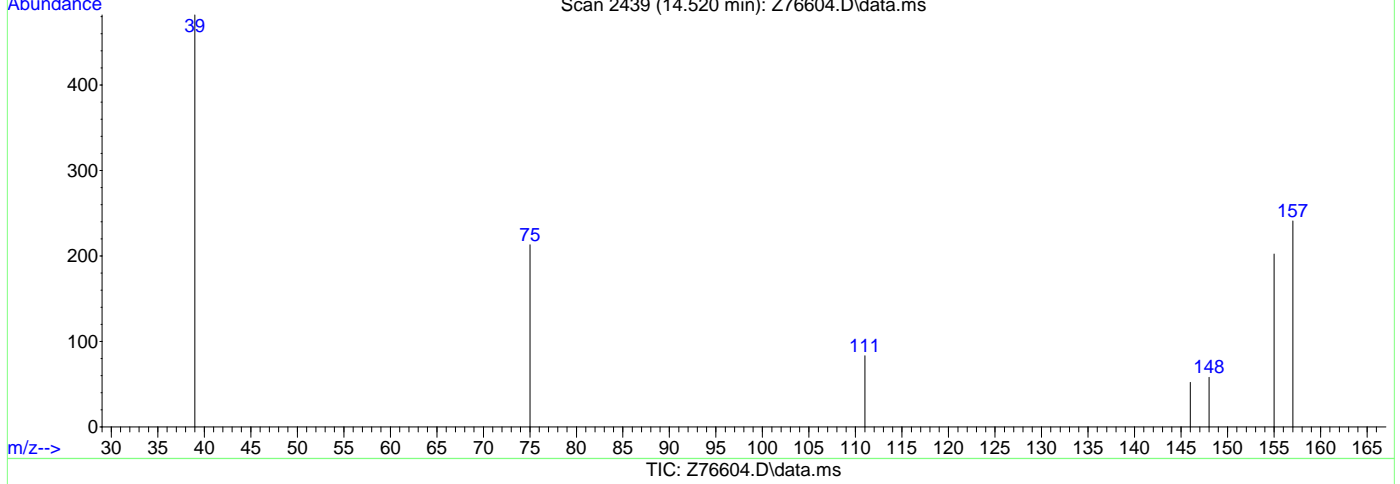
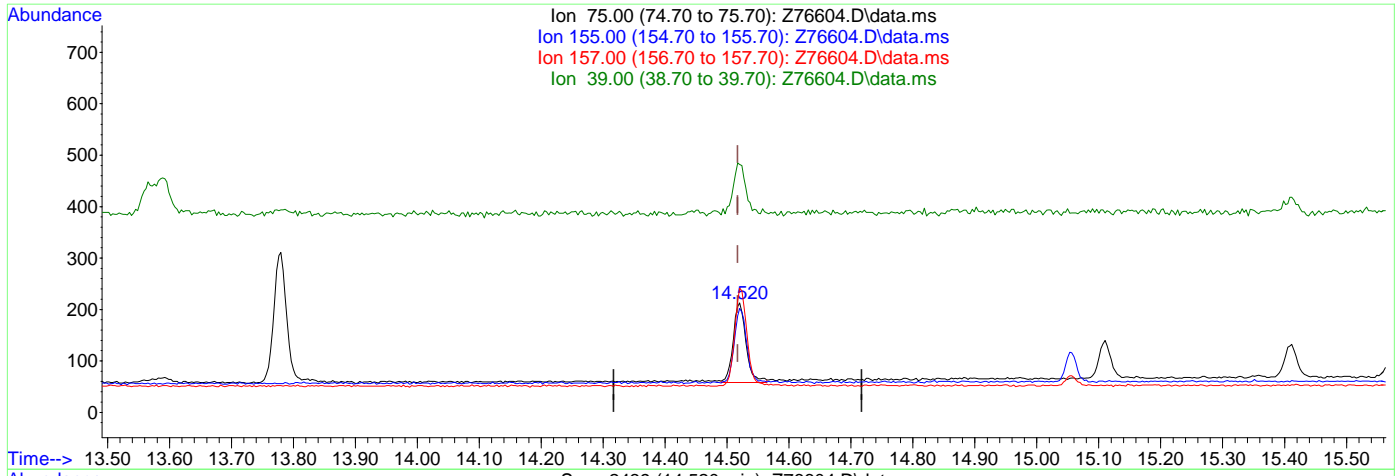
Ion	Exp%	Act%
97.00	100	100
99.00	64.80	62.88
61.00	33.90	36.16
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\082824\
 Data File : Z76604.D
 Acq On : 28 Aug 2024 8:51 am
 Operator : claudias
 Sample : IC3084-2
 Misc : MS57344,VZ3084,,,,,
 ALS Vial : 4 Sample Multiplier: 1

Inst : MSVOA15-Z

Quant Time: Aug 28 09:15:52 2024
 Quant Method : C:\msdchem\1\methods\SIMCL-08-26-2024.M
 Quant Title : Standard Methods 6200B
 QLast Update : Mon Aug 26 13:08:06 2024
 Response via : Initial Calibration



(23) 1,2-Dibromo-3-Chloropropane

14.520min (+0.003) 0.77ug/L m

response 224

Ion	Exp%	Act%
75.00	100	100
155.00	116.30	94.84
157.00	149.10	113.15#
39.00	55.20	226.29#

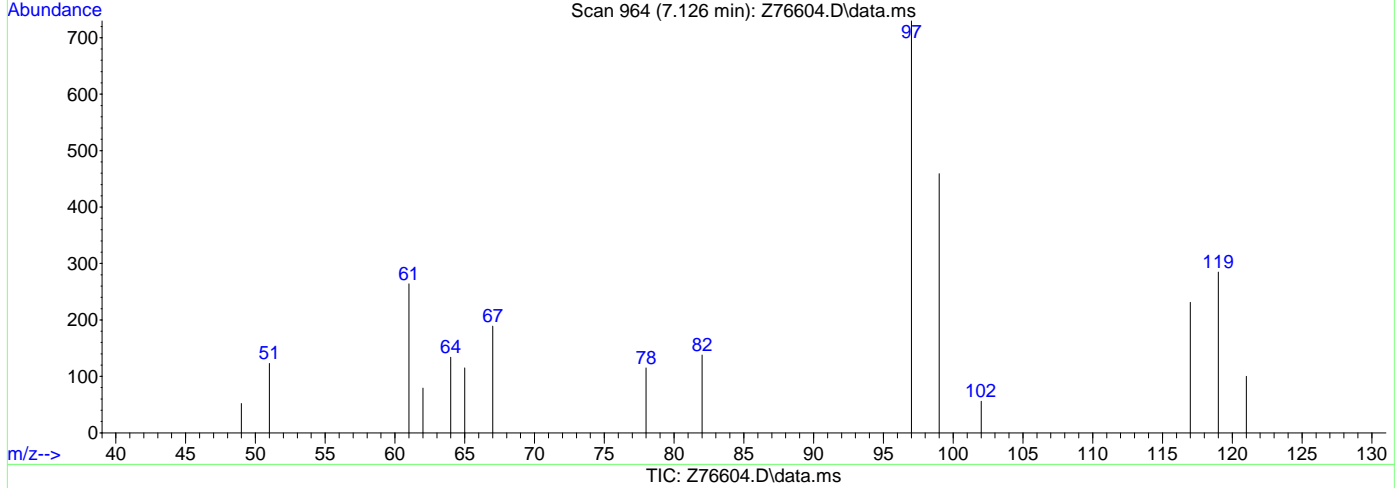
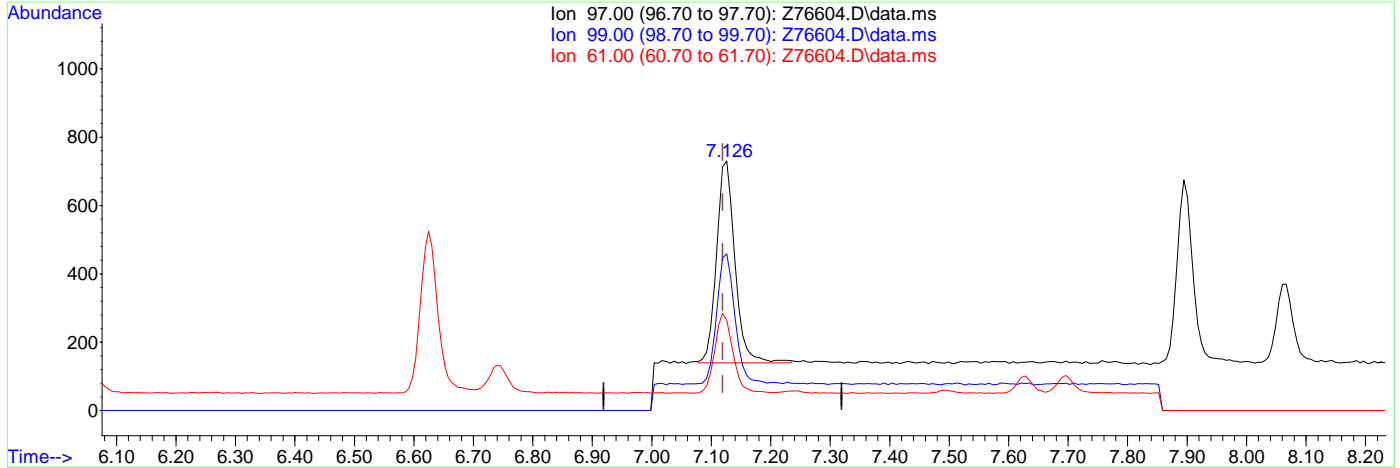
7.6.12.4
7

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\082824\
 Data File : Z76604.D
 Acq On : 28 Aug 2024 8:51 am
 Operator : claudias
 Sample : IC3084-2
 Misc : MS57344,VZ3084,,,,,
 ALS Vial : 4 Sample Multiplier: 1

Inst : MSVOA15-Z

Quant Time: Aug 28 09:15:52 2024
 Quant Method : C:\msdchem\1\methods\SIMCL-08-26-2024.M
 Quant Title : Standard Methods 6200B
 QLast Update : Mon Aug 26 13:08:06 2024
 Response via : Initial Calibration



(11) 1,1,1-Trichloroethane ()

7.126min (+0.007) 0.43ug/L m

response 1268

Ion	Exp%	Act%
97.00	100	100
99.00	64.80	62.88
61.00	33.90	36.16
0.00	0.00	0.00

7.6.12.5
7

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\082824\
 Data File : Z76605.D
 Acq On : 28 Aug 2024 9:24 am
 Operator : claudias
 Sample : IC3084-3 Inst : MSVOA15-Z
 Misc : MS57344,VZ3084,,,,,
 ALS Vial : 5 Sample Multiplier: 1

Quant Time: Aug 28 09:44:27 2024
 Quant Method : C:\msdchem\1\methods\SIMCL-08-26-2024.M
 Quant Title : Standard Methods 6200B
 QLast Update : Mon Aug 26 13:08:06 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	

Internal Standards							
1) Fluorobenzene	7.895	96	17109	5.00	ug/L	0.00	
18) Chlorobenzene-d5	10.975	117	18056	5.00	ug/L	0.00	
System Monitoring Compounds							
13) 1,2-Dichloroethane-d4	7.621	65	5580	3.81	ug/L	0.00	
Spiked Amount	5.000	Range 74 - 125	Recovery	=	76.20%		
19) Toluene-d8	9.428	98	20074	6.85	ug/L	0.00	
Spiked Amount	5.000	Range 88 - 111	Recovery	=	137.00%#		
Target Compounds							
							Qvalue
2) Vinyl Chloride	3.184	62	3807	1.87	ug/L		95
3) Chloromethane	3.129	50	4138	1.52	ug/L		98
4) 1,1-Dichloroethene	4.562	61	4077	1.51	ug/L		98
5) Methylene Chloride	5.208	49	6955	1.94	ug/L		96
6) trans-1,2-Dichloroethene	5.384	61	3886	1.48	ug/L		95
7) 1,1-Dichloroethane	6.059	63	5059	1.42	ug/L		100
8) cis-1,2-Dichloroethene	6.625	96	3101	1.72	ug/L		99
9) Chloroform	6.878	83	7182	1.85	ug/L		97
10) Carbon Tetrachloride	7.051	117	4748	1.76	ug/L		96
11) 1,1,1-Trichloroethane	7.119	97	5278	1.76	ug/L		97
12) Benzene	7.493	78	9612	1.78	ug/L		94
14) 1,2-Dichloroethane	7.689	62	3720	1.42	ug/L		94
15) Trichloroethene	8.061	95	2673	1.67	ug/L		93
16) 1,2-Dichloropropane	8.582	63	2618	1.66	ug/L		92
17) cis-1,3-Dichloropropene	9.240	75	4076	2.73	ug/L		91
20) trans-1,3-Dichloropropene	9.874	75	3710	3.00	ug/L		94
21) Tetrachloroethene	9.869	166	2773	1.87	ug/L #		91
22) 1,4-Dichlorobenzene	13.354	146	6062	1.78	ug/L		92
23) 1,2-Dibromo-3-Chloropr...	14.521	75	827	2.74	ug/L		83

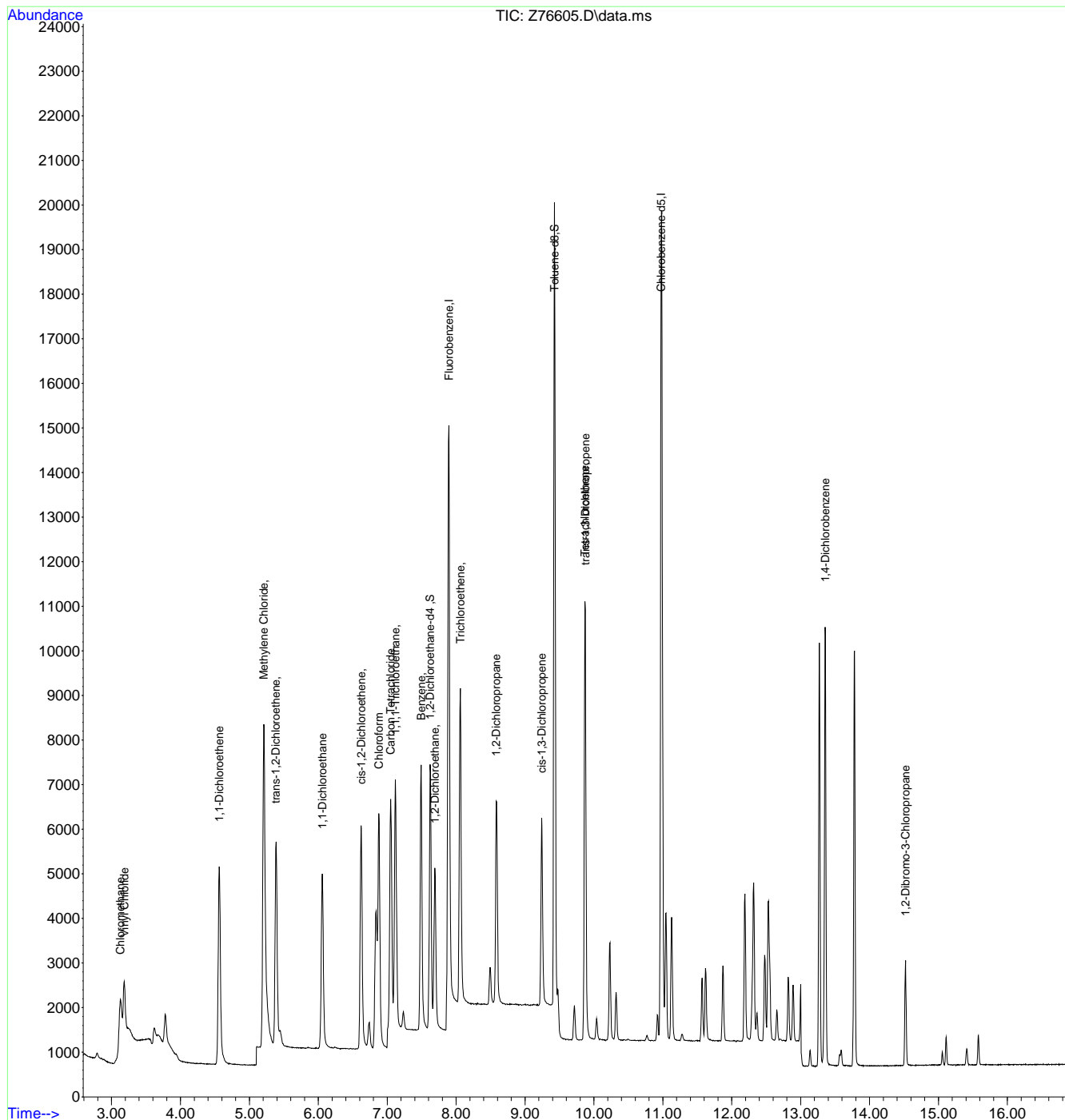
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\082824\
 Data File : Z76605.D
 Acq On : 28 Aug 2024 9:24 am
 Operator : claudias
 Sample : IC3084-3
 Misc : MS57344,VZ3084,,,,,
 ALS Vial : 5 Sample Multiplier: 1

Inst : MSVOA15-Z

Quant Time: Aug 28 09:44:27 2024
 Quant Method : C:\msdchem\1\methods\SIMCL-08-26-2024.M
 Quant Title : Standard Methods 6200B
 QLast Update : Mon Aug 26 13:08:06 2024
 Response via : Initial Calibration



7.6.13
7



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\082824\
 Data File : Z76606.D
 Acq On : 28 Aug 2024 9:47 am
 Operator : claudias
 Sample : IC3084-4 Inst : MSVOA15-Z
 Misc : MS57344,VZ3084,,,,,
 ALS Vial : 6 Sample Multiplier: 1

Quant Time: Aug 28 10:16:43 2024
 Quant Method : C:\msdchem\1\methods\SIMCL-08-26-2024.M
 Quant Title : Standard Methods 6200B
 QLast Update : Mon Aug 26 13:08:06 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	

Internal Standards							
1) Fluorobenzene	7.895	96	17386	5.00	ug/L	0.00	
18) Chlorobenzene-d5	10.980	117	18190	5.00	ug/L	0.00	
System Monitoring Compounds							
13) 1,2-Dichloroethane-d4	7.628	65	5389	3.62	ug/L	0.00	
Spiked Amount	5.000	Range 74 - 125	Recovery	=	72.40%#		
19) Toluene-d8	9.428	98	20073	6.80	ug/L	0.00	
Spiked Amount	5.000	Range 88 - 111	Recovery	=	136.00%#		
Target Compounds							
							Qvalue
2) Vinyl Chloride	3.192	62	8752	4.23	ug/L		97
3) Chloromethane	3.133	50	9782	3.54	ug/L		98
4) 1,1-Dichloroethene	4.566	61	10002	3.73	ug/L		98
5) Methylene Chloride	5.213	49	12634	3.58	ug/L		97
6) trans-1,2-Dichloroethene	5.389	61	9518	3.63	ug/L		96
7) 1,1-Dichloroethane	6.059	63	12642	3.58	ug/L		100
8) cis-1,2-Dichloroethene	6.625	96	7691	4.28	ug/L		96
9) Chloroform	6.883	83	15084	3.95	ug/L		97
10) Carbon Tetrachloride	7.058	117	10818	4.07	ug/L		98
11) 1,1,1-Trichloroethane	7.126	97	12294	4.15	ug/L		97
12) Benzene	7.493	78	24297	4.49	ug/L		95
14) 1,2-Dichloroethane	7.696	62	9391	3.63	ug/L		95
15) Trichloroethene	8.061	95	6734	4.17	ug/L		92
16) 1,2-Dichloropropane	8.588	63	6797	4.27	ug/L		93
17) cis-1,3-Dichloropropene	9.246	75	10532	6.63	ug/L		96
20) trans-1,3-Dichloropropene	9.874	75	9485	6.99	ug/L		94
21) Tetrachloroethene	9.874	166	6789	4.54	ug/L #		94
22) 1,4-Dichlorobenzene	13.354	146	15890	4.63	ug/L		94
23) 1,2-Dibromo-3-Chloropr...	14.520	75	2147	6.99	ug/L		83

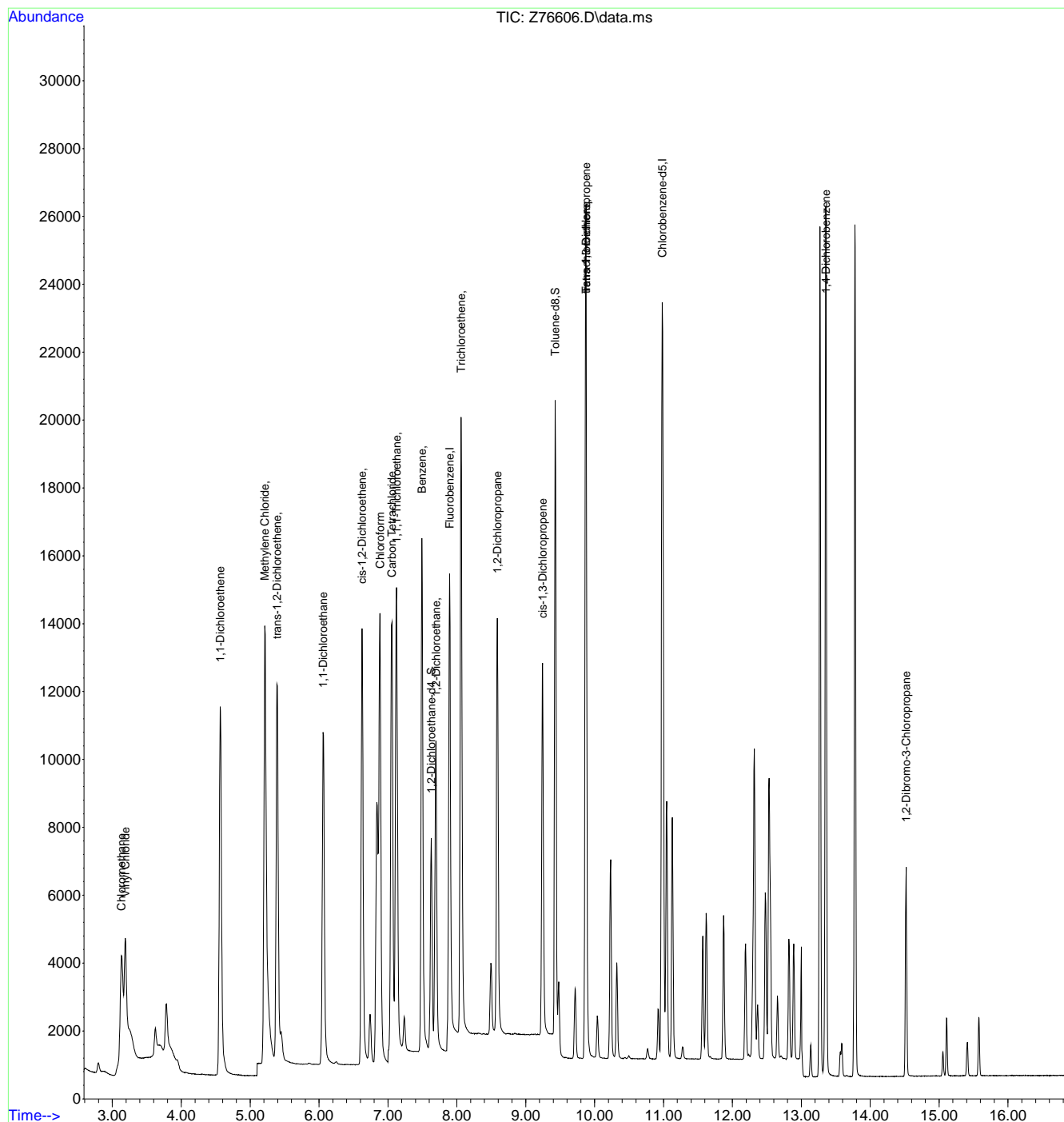
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\082824\
Data File : Z76606.D
Acq On : 28 Aug 2024 9:47 am
Operator : claudias
Sample : IC3084-4
Misc : MS57344,VZ3084,,,,,
ALS Vial : 6 Sample Multiplier: 1

Inst : MSVOA15-Z

Quant Time: Aug 28 10:16:43 2024
Quant Method : C:\msdchem\1\methods\SIMCL-08-26-2024.M
Quant Title : Standard Methods 6200B
QLast Update : Mon Aug 26 13:08:06 2024
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\082824\
 Data File : Z76607.D
 Acq On : 28 Aug 2024 10:10 am
 Operator : claudias
 Sample : ICC3084-5 Inst : MSVOA15-Z
 Misc : MS57344,VZ3084,,,,,
 ALS Vial : 7 Sample Multiplier: 1

Quant Time: Aug 28 10:28:32 2024
 Quant Method : C:\msdchem\1\methods\SIMCL-08-26-2024.M
 Quant Title : Standard Methods 6200B
 QLast Update : Mon Aug 26 13:08:06 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	

Internal Standards							
1) Fluorobenzene	7.894	96	18387	5.00	ug/L	0.00	
18) Chlorobenzene-d5	10.980	117	18425	5.00	ug/L	0.00	
System Monitoring Compounds							
13) 1,2-Dichloroethane-d4	7.628	65	5426	3.44	ug/L	0.00	
Spiked Amount	5.000	Range 74 - 125	Recovery	=	68.80%#		
19) Toluene-d8	9.428	98	20516	6.86	ug/L	0.00	
Spiked Amount	5.000	Range 88 - 111	Recovery	=	137.20%#		
Target Compounds							
							Qvalue
2) Vinyl Chloride	3.188	62	17613	8.06	ug/L		100
3) Chloromethane	3.133	50	20236	6.92	ug/L		98
4) 1,1-Dichloroethene	4.566	61	19367	7.06	ug/L		98
5) Methylene Chloride	5.213	49	22107	6.25	ug/L		96
6) trans-1,2-Dichloroethene	5.389	61	18666	6.95	ug/L		96
7) 1,1-Dichloroethane	6.059	63	24610	6.86	ug/L		100
8) cis-1,2-Dichloroethene	6.625	96	15116	8.15	ug/L		95
9) Chloroform	6.883	83	27829	7.23	ug/L		97
10) Carbon Tetrachloride	7.058	117	20386	7.64	ug/L		98
11) 1,1,1-Trichloroethane	7.126	97	22799	7.57	ug/L		97
12) Benzene	7.492	78	49059	8.72	ug/L		95
14) 1,2-Dichloroethane	7.696	62	18289	6.98	ug/L		95
15) Trichloroethene	8.060	95	13705	8.12	ug/L		92
16) 1,2-Dichloropropane	8.588	63	13638	8.22	ug/L		93
17) cis-1,3-Dichloropropene	9.246	75	21468	12.03	ug/L		96
20) trans-1,3-Dichloropropene	9.874	75	19329	12.60	ug/L		94
21) Tetrachloroethene	9.874	166	13326	8.74	ug/L #		94
22) 1,4-Dichlorobenzene	13.354	146	31554	9.05	ug/L		95
23) 1,2-Dibromo-3-Chloropr...	14.517	75	4029	12.79	ug/L #		77

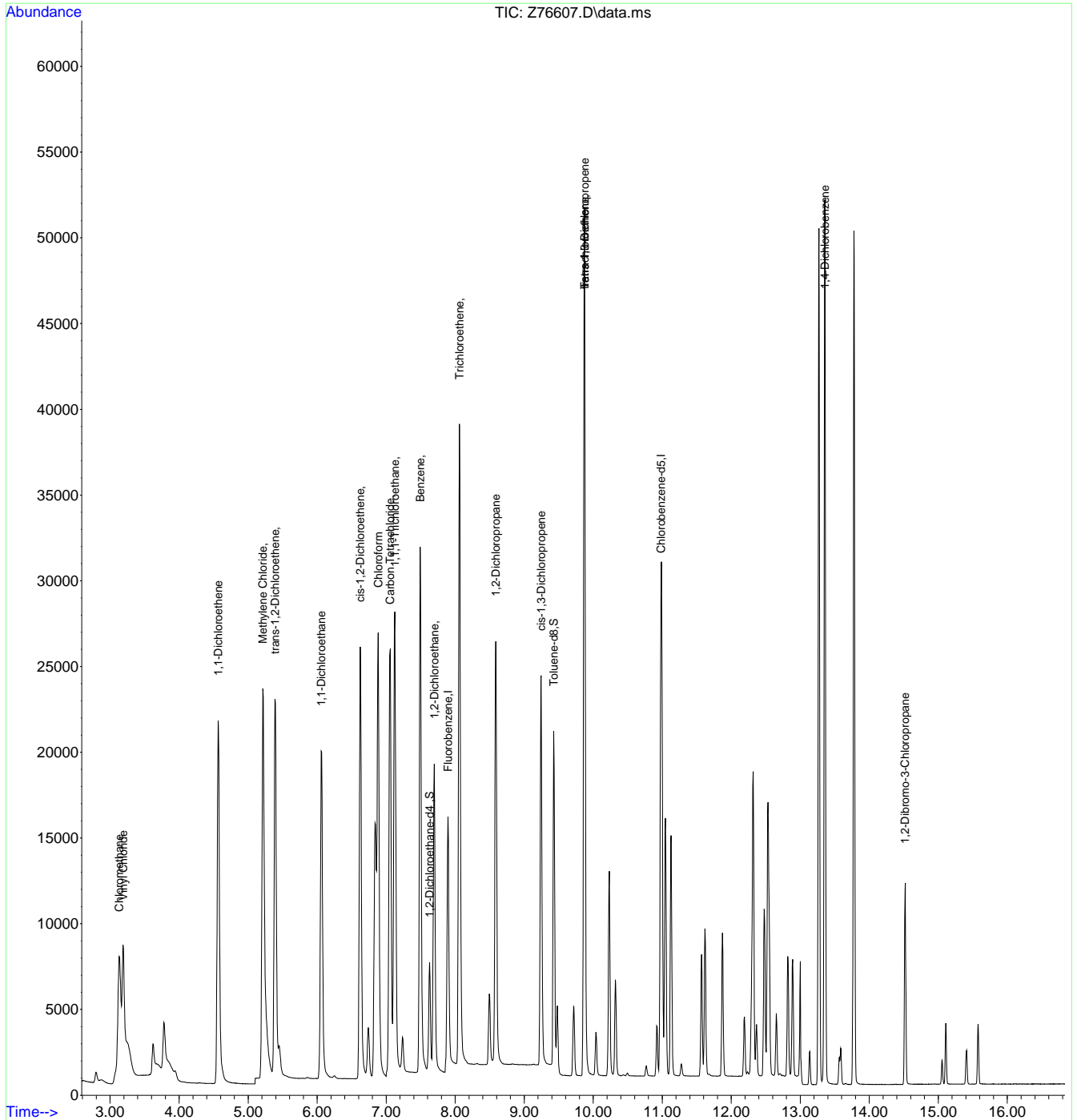
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\082824\
 Data File : Z76607.D
 Acq On : 28 Aug 2024 10:10 am
 Operator : claudias
 Sample : ICC3084-5
 Misc : MS57344,VZ3084,,,,,
 ALS Vial : 7 Sample Multiplier: 1

Inst : MSVOA15-Z

Quant Time: Aug 28 10:28:32 2024
 Quant Method : C:\msdchem\1\methods\SIMCL-08-26-2024.M
 Quant Title : Standard Methods 6200B
 QLast Update : Mon Aug 26 13:08:06 2024
 Response via : Initial Calibration



7.6.15
7



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\082824\
 Data File : Z76608.D
 Acq On : 28 Aug 2024 10:33 am
 Operator : claudias
 Sample : IC3084-6 Inst : MSVOA15-Z
 Misc : MS57344,VZ3084,,,,,
 ALS Vial : 8 Sample Multiplier: 1

Quant Time: Aug 28 10:56:38 2024
 Quant Method : C:\msdchem\1\methods\SIMCL-08-26-2024.M
 Quant Title : Standard Methods 6200B
 QLast Update : Mon Aug 26 13:08:06 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	

Internal Standards							
1) Fluorobenzene	7.895	96	19075	5.00	ug/L	0.00	
18) Chlorobenzene-d5	10.981	117	18623	5.00	ug/L	0.00	
System Monitoring Compounds							
13) 1,2-Dichloroethane-d4	7.628	65	5553	3.40	ug/L	0.00	
Spiked Amount	5.000	Range 74 - 125	Recovery	=	68.00%#		
19) Toluene-d8	9.429	98	20707	6.85	ug/L	0.00	
Spiked Amount	5.000	Range 88 - 111	Recovery	=	137.00%#		
Target Compounds							
							Qvalue
2) Vinyl Chloride	3.188	62	25840	11.40	ug/L		100
3) Chloromethane	3.133	50	29834	9.84	ug/L		99
4) 1,1-Dichloroethene	4.562	61	29746	10.86	ug/L		97
5) Methylene Chloride	5.213	49	31859	9.27	ug/L		97
6) trans-1,2-Dichloroethene	5.389	61	28992	10.82	ug/L		98
7) 1,1-Dichloroethane	6.059	63	38212	10.82	ug/L		100
8) cis-1,2-Dichloroethene	6.625	96	23568	12.64	ug/L		97
9) Chloroform	6.883	83	42304	11.30	ug/L		98
10) Carbon Tetrachloride	7.051	117	31222	12.11	ug/L		99
11) 1,1,1-Trichloroethane	7.126	97	35849	12.13	ug/L		97
12) Benzene	7.493	78	78789	13.79	ug/L		95
14) 1,2-Dichloroethane	7.696	62	28511	11.10	ug/L		95
15) Trichloroethene	8.061	95	22084	12.79	ug/L		92
16) 1,2-Dichloropropane	8.588	63	21809	12.87	ug/L		92
17) cis-1,3-Dichloropropene	9.241	75	34624	17.63	ug/L		91
20) trans-1,3-Dichloropropene	9.874	75	31427	18.32	ug/L		94
21) Tetrachloroethene	9.874	166	20947	13.52	ug/L #		94
22) 1,4-Dichlorobenzene	13.354	146	49500	14.00	ug/L		95
23) 1,2-Dibromo-3-Chloropr...	14.521	75	6212	19.22	ug/L		84

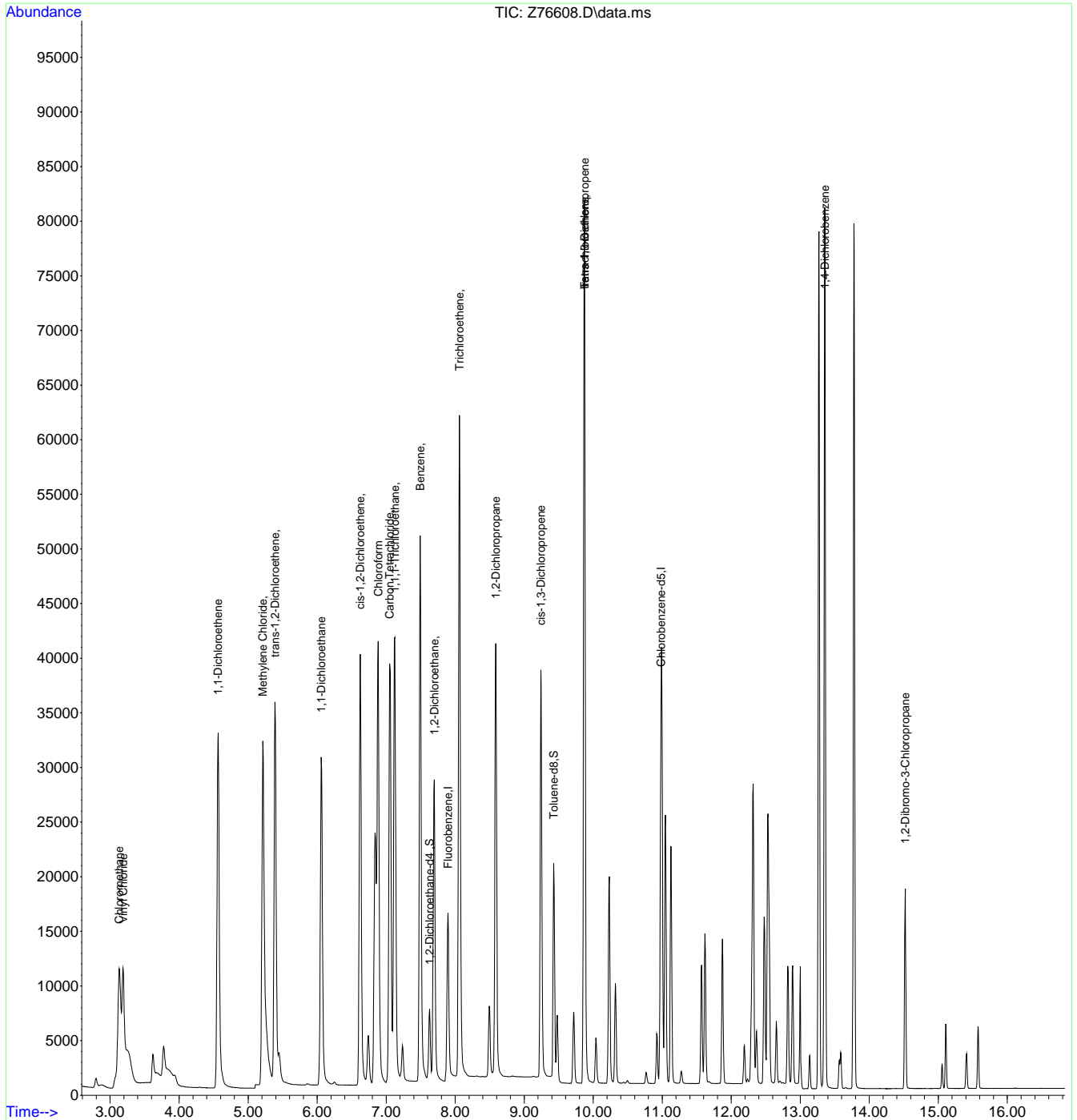
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\082824\
 Data File : Z76608.D
 Acq On : 28 Aug 2024 10:33 am
 Operator : claudias
 Sample : IC3084-6
 Misc : MS57344,VZ3084,,,,,
 ALS Vial : 8 Sample Multiplier: 1

Inst : MSVOA15-Z

Quant Time: Aug 28 10:56:38 2024
 Quant Method : C:\msdchem\1\methods\SIMCL-08-26-2024.M
 Quant Title : Standard Methods 6200B
 QLast Update : Mon Aug 26 13:08:06 2024
 Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\082824\
 Data File : Z76609.D
 Acq On : 28 Aug 2024 10:57 am
 Operator : claudias
 Sample : IC3084-7 Inst : MSVOA15-Z
 Misc : MS57344,VZ3084,,,,,
 ALS Vial : 9 Sample Multiplier: 1

Quant Time: Aug 28 11:14:06 2024
 Quant Method : C:\msdchem\1\methods\SIMCL-08-26-2024.M
 Quant Title : Standard Methods 6200B
 QLast Update : Mon Aug 26 13:08:06 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Fluorobenzene	7.895	96	19854	5.00	ug/L	0.00
18) Chlorobenzene-d5	10.980	117	19130	5.00	ug/L	0.00
System Monitoring Compounds						
13) 1,2-Dichloroethane-d4	7.628	65	5670	3.33	ug/L	0.00
Spiked Amount	5.000	Range 74 - 125	Recovery	=	66.60%#	
19) Toluene-d8	9.428	98	21351	6.88	ug/L	0.00
Spiked Amount	5.000	Range 88 - 111	Recovery	=	137.60%#	
Target Compounds						
						Qvalue
2) Vinyl Chloride	3.188	62	34546	14.64	ug/L	99
3) Chloromethane	3.133	50	39712	12.58	ug/L	99
4) 1,1-Dichloroethene	4.566	61	38127	13.78	ug/L	99
5) Methylene Chloride	5.213	49	39652	11.72	ug/L	97
6) trans-1,2-Dichloroethene	5.389	61	37250	13.77	ug/L	97
7) 1,1-Dichloroethane	6.059	63	49250	13.99	ug/L	100
8) cis-1,2-Dichloroethene	6.625	96	30314	15.99	ug/L	97
9) Chloroform	6.883	83	53897	14.61	ug/L	98
10) Carbon Tetrachloride	7.051	117	39942	15.86	ug/L	98
11) 1,1,1-Trichloroethane	7.126	97	45992	15.65	ug/L	97
12) Benzene	7.492	78	103044	17.62	ug/L	95
14) 1,2-Dichloroethane	7.696	62	36685	14.40	ug/L	95
15) Trichloroethene	8.061	95	28743	16.16	ug/L	92
16) 1,2-Dichloropropane	8.588	63	28227	16.20	ug/L	93
17) cis-1,3-Dichloropropene	9.246	75	44988	21.23	ug/L	96
20) trans-1,3-Dichloropropene	9.869	75	41051	21.96	ug/L	93
21) Tetrachloroethene	9.874	166	27204	17.02	ug/L #	94
22) 1,4-Dichlorobenzene	13.354	146	63291	17.40	ug/L	95
23) 1,2-Dibromo-3-Chloropr...	14.517	75	7993	23.82	ug/L #	77

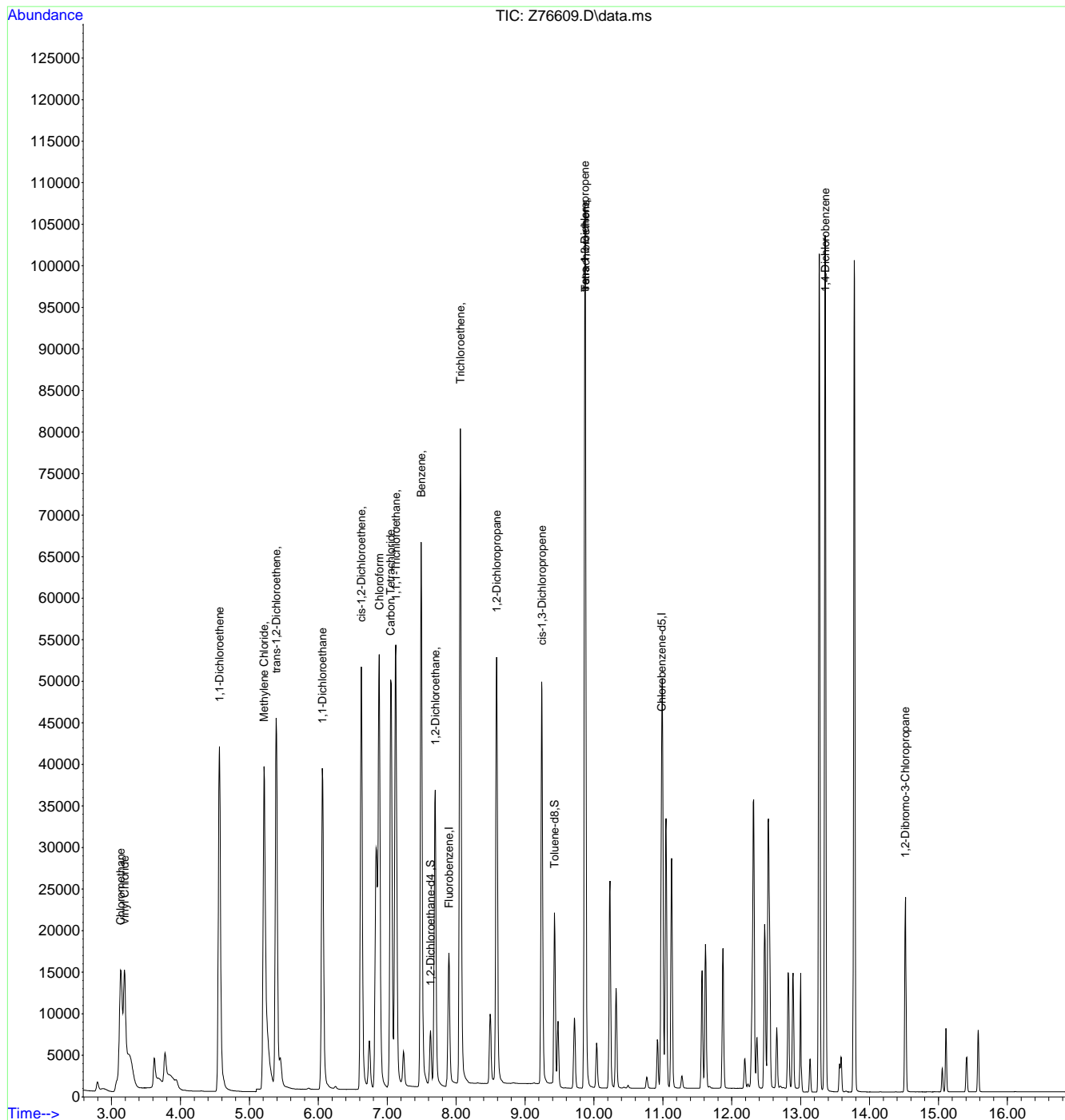
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\082824\
 Data File : Z76609.D
 Acq On : 28 Aug 2024 10:57 am
 Operator : claudias
 Sample : IC3084-7
 Misc : MS57344,VZ3084,,,,,
 ALS Vial : 9 Sample Multiplier: 1

Inst : MSVOA15-Z

Quant Time: Aug 28 11:14:06 2024
 Quant Method : C:\msdchem\1\methods\SIMCL-08-26-2024.M
 Quant Title : Standard Methods 6200B
 QLast Update : Mon Aug 26 13:08:06 2024
 Response via : Initial Calibration



7.6.17
7



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\082824\
 Data File : Z76611.D
 Acq On : 28 Aug 2024 11:43 am
 Operator : claudias
 Sample : icv3084-5 Inst : MSVOA15-Z
 Misc : MS57344,VZ3084,,,,,
 ALS Vial : 11 Sample Multiplier: 1

Quant Time: Aug 28 12:04:53 2024
 Quant Method : C:\msdchem\1\methods\SIMCL-08-28-2024.M
 Quant Title : Standard Methods 6200B
 QLast Update : Wed Aug 28 11:30:23 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	

Internal Standards							
1) Fluorobenzene	7.895	96	19205	5.00	ug/L	0.00	
18) Chlorobenzene-d5	10.980	117	19116	5.00	ug/L	0.00	
System Monitoring Compounds							
13) 1,2-Dichloroethane-d4	7.628	65	5603	4.82	ug/L	0.00	
Spiked Amount	5.000	Range 74 - 125	Recovery	=	96.40%		
19) Toluene-d8	9.428	98	21232	4.98	ug/L	0.00	
Spiked Amount	5.000	Range 88 - 111	Recovery	=	99.60%		
Target Compounds							
							Qvalue
2) Vinyl Chloride	3.188	62	15478	8.26	ug/L		99
3) Chloromethane	3.133	50	17429	8.15	ug/L		98
4) 1,1-Dichloroethene	4.566	61	21016	10.15	ug/L		99
5) Methylene Chloride	5.213	49	24313	10.02	ug/L		97
6) trans-1,2-Dichloroethene	5.389	61	20777	10.43	ug/L		98
7) 1,1-Dichloroethane	6.059	63	26656	10.76	ug/L		100
8) cis-1,2-Dichloroethene	6.625	96	16641	10.30	ug/L		97
9) Chloroform	6.883	83	30040	9.93	ug/L		98
10) Carbon Tetrachloride	7.051	117	22215	9.92	ug/L		98
11) 1,1,1-Trichloroethane	7.126	97	25363	10.21	ug/L		97
12) Benzene	7.492	78	54941	9.87	ug/L		95
14) 1,2-Dichloroethane	7.696	62	20330	10.40	ug/L		95
15) Trichloroethene	8.061	95	15602	10.63	ug/L		92
16) 1,2-Dichloropropane	8.588	63	15371	10.07	ug/L		93
17) cis-1,3-Dichloropropene	9.240	75	23259	10.10	ug/L		90
20) trans-1,3-Dichloropropene	9.874	75	19446	9.42	ug/L		94
21) Tetrachloroethene	9.874	166	14896	10.51	ug/L #		93
22) 1,4-Dichlorobenzene	13.354	146	34574	10.64	ug/L		95
23) 1,2-Dibromo-3-Chloropr...	14.520	75	4363	10.15	ug/L		83

(#) = qualifier out of range (m) = manual integration (+) = signals summed



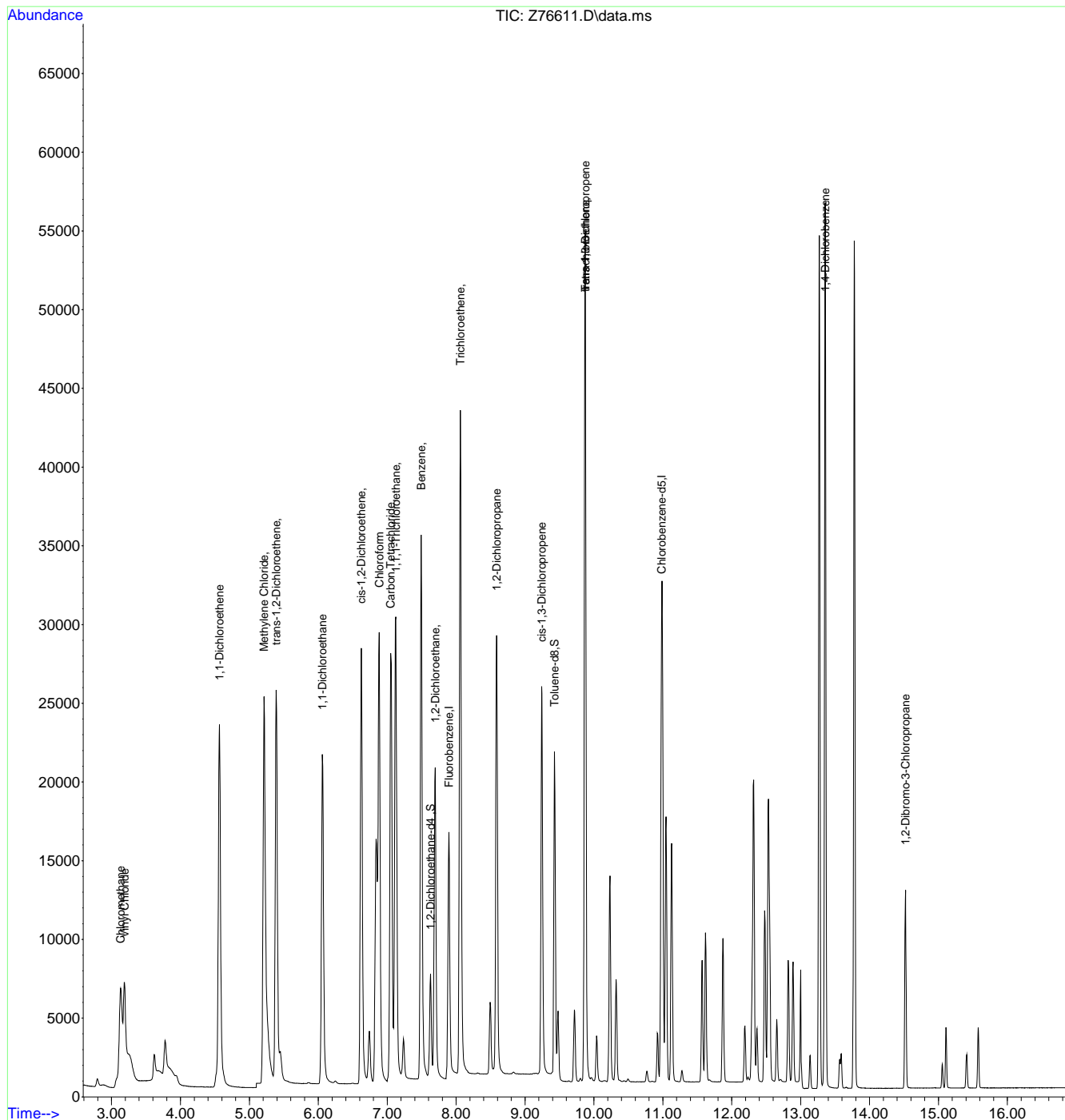
7.6.18
7

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\082824\
 Data File : Z76611.D
 Acq On : 28 Aug 2024 11:43 am
 Operator : claudias
 Sample : icv3084-5
 Misc : MS57344,VZ3084,,,,,
 ALS Vial : 11 Sample Multiplier: 1

Inst : MSVOA15-Z

Quant Time: Aug 28 12:04:53 2024
 Quant Method : C:\msdchem\1\methods\SIMCL-08-28-2024.M
 Quant Title : Standard Methods 6200B
 QLast Update : Wed Aug 28 11:30:23 2024
 Response via : Initial Calibration



7.6.18
7



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\082824\
 Data File : Z76613.D
 Acq On : 28 Aug 2024 12:48 pm
 Operator : claudias
 Sample : cc3084-5 Inst : MSVOA15-Z
 Misc : MS57344,VZ3085,,,,,
 ALS Vial : 2 Sample Multiplier: 1

Quant Time: Aug 28 13:08:13 2024
 Quant Method : C:\msdchem\1\methods\SIMCL-08-28-2024.M
 Quant Title : Standard Methods 6200B
 QLast Update : Wed Aug 28 11:30:23 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	

Internal Standards							
1) Fluorobenzene	7.894	96	19395	5.00	ug/L	0.00	
18) Chlorobenzene-d5	10.980	117	19594	5.00	ug/L	0.00	
System Monitoring Compounds							
13) 1,2-Dichloroethane-d4	7.628	65	5742	4.89	ug/L	0.00	
Spiked Amount	5.000	Range 74 - 125	Recovery	=	97.80%		
19) Toluene-d8	9.428	98	21661	4.96	ug/L	0.00	
Spiked Amount	5.000	Range 88 - 111	Recovery	=	99.20%		
Target Compounds							
							Qvalue
2) Vinyl Chloride	3.188	62	17849	9.55	ug/L		100
3) Chloromethane	3.133	50	20293	9.51	ug/L		99
4) 1,1-Dichloroethene	4.561	61	20495	9.76	ug/L		98
5) Methylene Chloride	5.213	49	24152	9.81	ug/L		99
6) trans-1,2-Dichloroethene	5.389	61	20105	9.95	ug/L		99
7) 1,1-Dichloroethane	6.059	63	26199	10.47	ug/L		100
8) cis-1,2-Dichloroethene	6.625	96	16148	9.86	ug/L		98
9) Chloroform	6.883	83	29073	9.46	ug/L		99
10) Carbon Tetrachloride	7.051	117	21137	9.26	ug/L		99
11) 1,1,1-Trichloroethane	7.119	97	24458	9.70	ug/L		96
12) Benzene	7.492	78	53376	9.49	ug/L		94
14) 1,2-Dichloroethane	7.689	62	19483	9.81	ug/L		93
15) Trichloroethene	8.060	95	14829	9.97	ug/L		93
16) 1,2-Dichloropropane	8.588	63	14778	9.59	ug/L		93
17) cis-1,3-Dichloropropene	9.240	75	23243	9.99	ug/L		91
20) trans-1,3-Dichloropropene	9.874	75	21051	9.95	ug/L		94
21) Tetrachloroethene	9.874	166	14183	9.73	ug/L #		94
22) 1,4-Dichlorobenzene	13.354	146	33245	9.98	ug/L		94
23) 1,2-Dibromo-3-Chloropr...	14.520	75	4331	9.81	ug/L		81

(#) = qualifier out of range (m) = manual integration (+) = signals summed

7.6.19
7

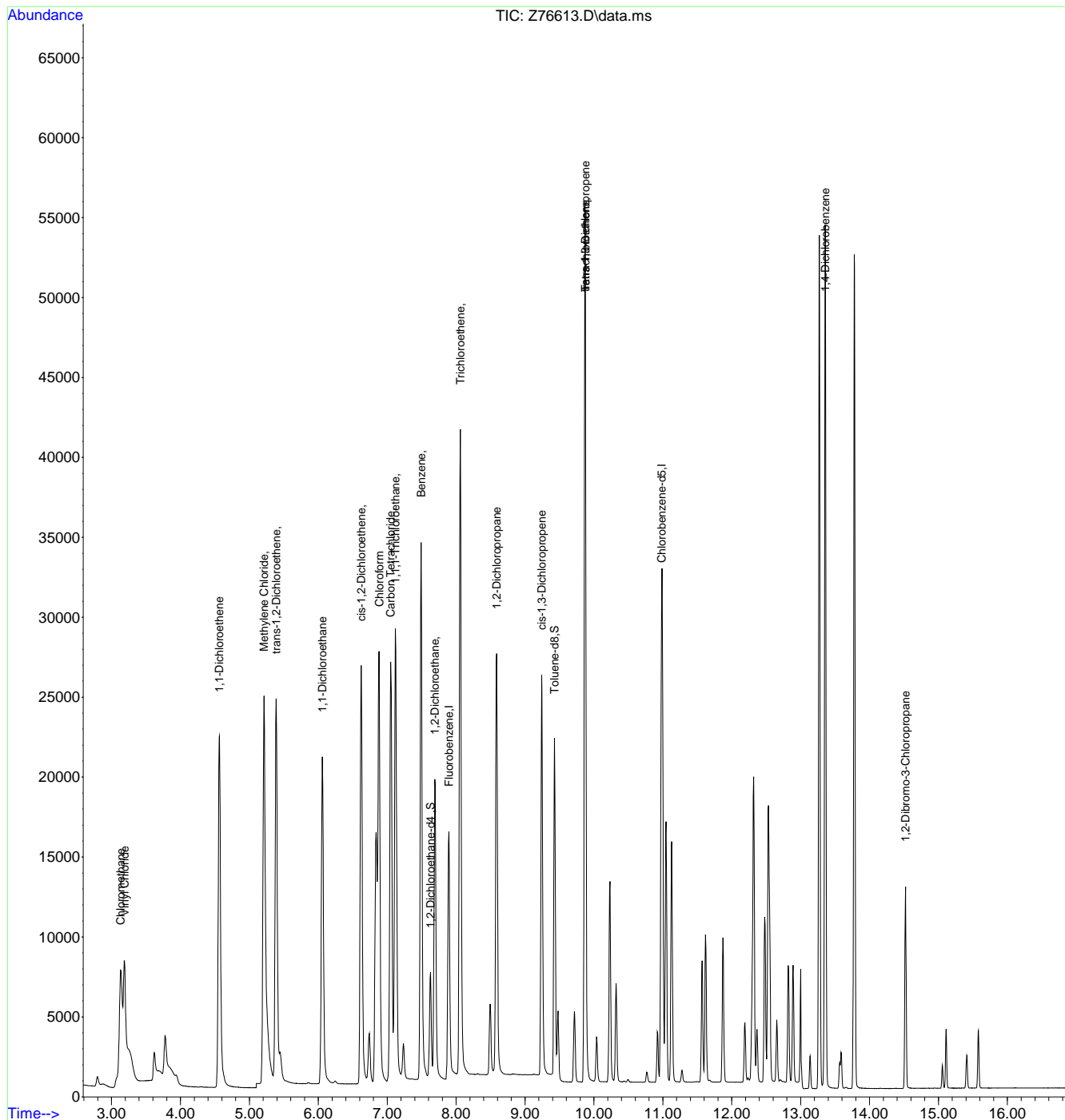


Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\082824\
 Data File : Z76613.D
 Acq On : 28 Aug 2024 12:48 pm
 Operator : claudias
 Sample : cc3084-5
 Misc : MS57344,VZ3085,,,,,
 ALS Vial : 2 Sample Multiplier: 1

Inst : MSVOA15-Z

Quant Time: Aug 28 13:08:13 2024
 Quant Method : C:\msdchem\1\methods\SIMCL-08-28-2024.M
 Quant Title : Standard Methods 6200B
 QLast Update : Wed Aug 28 11:30:23 2024
 Response via : Initial Calibration



7.6.19
7



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\082824\
 Data File : Z76639.D
 Acq On : 28 Aug 2024 11:24 pm
 Operator : claudias
 Sample : ecc3084-5 Inst : MSVOA15-Z
 Misc : MS57380,VZ3085,,,,,
 ALS Vial : 28 Sample Multiplier: 1

Quant Time: Aug 29 06:24:48 2024
 Quant Method : C:\msdchem\1\methods\SIMCL-08-28-2024.M
 Quant Title : Standard Methods 6200B
 QLast Update : Wed Aug 28 11:30:23 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	

Internal Standards							
1) Fluorobenzene	7.895	96	21550	5.00	ug/L	0.00	
18) Chlorobenzene-d5	10.981	117	22349	5.00	ug/L	0.00	
System Monitoring Compounds							
13) 1,2-Dichloroethane-d4	7.628	65	6682	5.12	ug/L	0.00	
Spiked Amount	5.000	Range 74 - 125	Recovery	=	102.40%		
19) Toluene-d8	9.429	98	24218	4.86	ug/L	0.00	
Spiked Amount	5.000	Range 88 - 111	Recovery	=	97.20%		
Target Compounds							
							Qvalue
2) Vinyl Chloride	3.184	62	20236	9.77	ug/L		99
3) Chloromethane	3.129	50	23720	10.05	ug/L		99
4) 1,1-Dichloroethene	4.562	61	23539	10.13	ug/L		97
5) Methylene Chloride	5.213	49	35077	14.17	ug/L		97
6) trans-1,2-Dichloroethene	5.389	61	22662	10.11	ug/L		98
7) 1,1-Dichloroethane	6.059	63	30259	10.88	ug/L		100
8) cis-1,2-Dichloroethene	6.625	96	18060	9.93	ug/L		96
9) Chloroform	6.883	83	32150	9.40	ug/L		98
10) Carbon Tetrachloride	7.051	117	22817	8.96	ug/L		99
11) 1,1,1-Trichloroethane	7.119	97	27109	9.67	ug/L		95
12) Benzene	7.493	78	60139	9.63	ug/L		95
14) 1,2-Dichloroethane	7.696	62	22439	10.21	ug/L		94
15) Trichloroethene	8.061	95	16080	9.72	ug/L		91
16) 1,2-Dichloropropane	8.588	63	16805	9.81	ug/L		93
17) cis-1,3-Dichloropropene	9.246	75	24464	9.44	ug/L		95
20) trans-1,3-Dichloropropene	9.874	75	21973	9.11	ug/L		93
21) Tetrachloroethene	9.874	166	14858	8.91	ug/L #		93
22) 1,4-Dichlorobenzene	13.354	146	35790	9.42	ug/L		94
23) 1,2-Dibromo-3-Chloropr...	14.517	75	4589	9.07	ug/L #		73

(#) = qualifier out of range (m) = manual integration (+) = signals summed

7.6.20
7

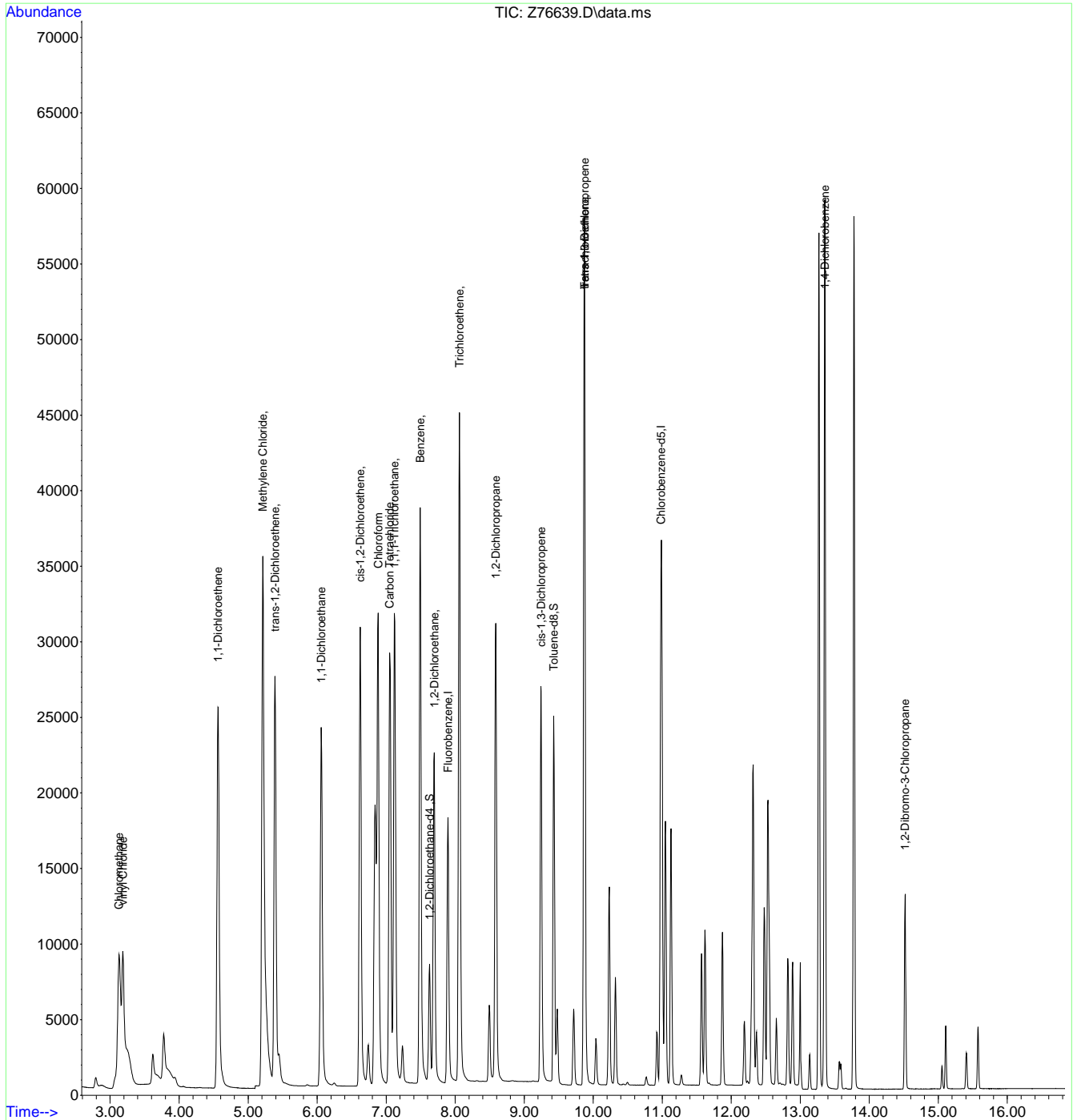


Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\082824\
 Data File : Z76639.D
 Acq On : 28 Aug 2024 11:24 pm
 Operator : claudias
 Sample : ecc3084-5
 Misc : MS57380,VZ3085,,,,,
 ALS Vial : 28 Sample Multiplier: 1

Inst : MSVOA15-Z

Quant Time: Aug 29 06:24:48 2024
 Quant Method : C:\msdchem\1\methods\SIMCL-08-28-2024.M
 Quant Title : Standard Methods 6200B
 QLast Update : Wed Aug 28 11:30:23 2024
 Response via : Initial Calibration



7.6.20
7



Instrument:	MS-VOAB-N
Date:	08/20/2024
Analyst:	Jennifer W
Column Type:	RTX/MS
Detector:	5975C-MSD
Purge Pressure:	
Purge Volume:	5mL

Method(s):	SIMCL
Method File:	SIMCL_VN6705_08202024.M
Calibration Date:	08/20/2024
Acq. Method:	ACQ_SIMCLb
EM Voltage:	1353V
Run ID:	VN6705

BFB:	VS4050
ICAL/CC:	, VS4168, VS4175
ICV/BS:	, VS4167, VS4176
ISTD/Surr.:	VS4180
Data processed by:	Jennifer W
Sample ID Ver. by:	Jennifer W
Date Verified:	08/20/2024

pH Paper Lot#:	230320A/211623A
KI Paper Lot#:	14-860 03/13/23
AFA Lot#:	VS3860
Data processed by:	Jennifer W
Sample ID Ver. by:	Jennifer W
Date Verified:	08/20/2024

Data File	Sample ID	Dilution Factor	Vial #	Matrix	A.S. Pos.	Work Group	pH	CI? (Y/N)	RR	Comments and Manually Integrated Peaks (Peak # and Rational)
N0132197	BFB	-	-	Water	1	-	-	-	-	10uL→40mL Autotind Tune Passed
N0132198	IC6705-1	-	-	Water	2	-	-	-	-	1uL→100mL MP#2; High recoveries. Re-prep and analyze
N0132199	IC6705-2	-	-	Water	3	-	-	-	-	5uL→100mL MP#23; High recoveries. Re-prep and analyze
N0132200	IC6705-3	-	-	Water	4	-	-	-	-	10uL→50mL MP#23 ✓
N0132201	IC6705-4	-	-	Water	5	-	-	-	-	25uL→50mL ✓
N0132202	IC6705-5	-	-	Water	6	-	-	-	-	50uL→50mL ✓
N0132203	IC6705-6	-	-	Water	7	-	-	-	-	75uL→50mL ✓
N0132204	IC6705-7	-	-	Water	8	-	-	-	-	100uL→50mL ✓
N0132205	rinse	-	-	Water	9	-	-	-	-	
N0132206	rinse	-	-	Water	10	-	-	-	-	
N0132207	IC6705-1	-	-	Water	11	-	-	-	-	1uL→100mL ✓
N0132208	IC6705-2	-	-	Water	12	-	-	-	-	5uL→100mL MP#23 ✓
N0132209	ICV6705-5	-	-	Water	13	-	-	-	-	50uL→50mL ✓

Matrix: Designate "W" for Water, "S" for soil, "O" for Oil, "L" for Non-aqueous Liquid, and "TL" or "SPL" for Leachate
Manual Integration Rational: SOP QA029; MP Missed Peak, OP Overlapping Peak, SP Split Peak, PDB Poorly Defined Baseline, BR Baseline Ripple, PII Poor Instrument



SGS -ORLANDO

VOA-GCMS ANALYSIS LOG

Instrument:	MS-VOAB-N
Date:	08/28/2024
Analyst:	Jennifer W
Column Type	RTX/MS
Detector	5975C-MSD
Purge Pressure	
Purge Volume	5mL

Method(s):	SIMCL
Method File:	SIMCL_VN6705_08202024.M
Calibration Date:	08/20/2024
Acq. Method:	ACQ_SIMCLb
EM Voltage:	1353V
Run ID:	VN6710

BFB:	VS4050
ICAL/CC:	, VS4183, VS4198
ICV/BS:	, VS4167, VS4199
ISTD/Surr.:	VS4180
Data processed by:	Jennifer W
Sample ID Ver. by:	Jennifer W
Date Verified:	08/28/2024

Data File	Sample ID	Dilution Factor	Vial #	Matrix	A.S. Pos.	Work Group	pH	CI? (Y/N)	RR	Comments and Manually Integrated Peaks (Peak # and Rational)
N0132313	BFB	-	-	Water	1	-	-	-	-	10uL→40mL Autotune Passed
N0132314	CC6705-5	-	-	Water	2	-	-	-	-	50uL→50mL ✓
N0132315	BS	-	-	Water	3	-	-	-	-	25uL→50mL ✓
N0132316	rinse	-	-	Water	4	-	-	-	-	
N0132317	MB	-	-	Water	5	-	-	-	-	ND✓
N0132318	FC-18258-1	-	1	Water	6	MSS7378	1	N	-	✓
N0132319	FC-18255-5	-	1	Water	7	MSS7378	1	N	-	✓
N0132320	FC-18255-1	-	1	Water	8	MSS7378	1	N	-	✓
N0132321	FC-18255-2	-	1	Water	9	MSS7378	1	N	-	PBL#9 ✓
N0132322	FC-18255-3	-	1	Water	10	MSS7378	1	N	-	PBL#9 ✓
N0132323	FC-18255-4	-	1	Water	11	MSS7378	1	N	-	PBL#9 ✓
N0132324	FC-18153-8	-	1	Water	12	MSS7378	1	N	-	PBL#9 ✓
N0132325	FC-18258-2	-	1	Water	13	MSS7378	1	N	-	PBL#9 ✓
N0132326	FC-18258-3	-	1	Water	14	MSS7378	1	N	-	PBL#9 ✓
N0132327	FC-18260-18	-	1	Water	15	MSS7378	1	N	-	✓
N0132328	FC-18260-19	-	1	Water	16	MSS7378	1	N	-	PBL#9 ✓
N0132329	FC-18260-20	-	1	Water	17	MSS7378	1	N	-	PBL#12 ✓
N0132330	FC-18260-21	-	1	Water	18	MSS7378	1	N	-	PBL#9 ✓
N0132331	FC-18260-22	-	1	Water	19	MSS7378	1	N	-	PBL#9 ✓
N0132332	FC-18260-23	-	1	Water	20	MSS7378	1	N	-	PBL#9 ✓
N0132333	FC-18260-24	-	1	Water	21	MSS7378	1	N	-	PBL#9 ✓
N0132334	FC-18260-25	-	1	Water	22	MSS7378	1	N	-	PBL#9 ✓
N0132335	FC-18260-26	-	1	Water	23	MSS7378	1	N	-	PBL#9,12 ✓
N0132336	FC-18260-27	-	1	Water	24	MSS7378	1	N	-	PBL#9 ✓
N0132337	FC-18260-28	-	1	Water	25	MSS7378	1	N	-	PBL#9 ✓
N0132338	FC-18255-2MS	5X	1	Water	26	MSS7378	1	N	-	20mL→100mL spike 50uL→100mL ✓
N0132339	FC-18255-2MSD	5X	1	Water	27	MSS7378	1	N	-	20mL→100mL spike 50uL→100mL ✓
N0132340	ECC6705-5	-	-	Water	28	-	-	-	-	50uL→50mL ✓

Matrix: Designate "W" for Water, "S" for soil, "O" for Oil, "L" for Non-aqueous Liquid, and "TCLP" or "SPLP" for Leachate
 Manual Integration Rational SOP QA029: I/P Missed Peak, O/P Overlapping Peak, S/P Split Peak, PDB Poorly Defined Baseline, BR Baseline Ripple, P/I Poor Instrument

SGS -ORLANDO

VOA-GCMS ANALYSIS LOG

Instrument:	MS/VA15-Z
Date:	08/28/2024
Analyst:	claudias
Column Type	RTX/MS
Detector	5975C-MSD
Purge Pressure	
Purge Volume	5ml

Method(s):	8260SIMCL
Method File:	SIMCL-08-21-2024.M
Calibration Date:	08/21/24
Acq. Method:	ACQ_SIMCLB.M
EM Voltage:	1452
Run ID:	VZ3084

BFB:	VS4150
ICAL/CC:	, VS4183, VS4198
ICV/BS:	, VS4167, VS4199
ISTD/Surr.:	VS4083

pH Paper Lot#:	230320A
KI Paper Lot#:	n/a
AFA Lot#:	n/a
Data processed by:	claudias
Sample ID Ver. by:	claudias
Date Verified:	8/26/2024 0:00

Data File	Sample ID	Dilution Factor	Vial #	Matrix	A.S. Pos.	Work Group	pH	CI? (V/N)	RR	Comments and Manually Integrated Peaks (Peak # and Rational)
Z76601	BFB	-	-	W	1	-	-	-	-	10.5 µl- 40 ml; passed
Z76602	rinse	-	-	W	2	-	-	-	-	
Z76603	ic3084-1	-	-	W	3	-	-	-	-	1µl- 100 ml #23(MP), #9,#10,#11(PH)
Z76604	ic3084-2	-	-	W	4	-	-	-	-	5µl- 100 ml #23(MP), #9,#10,#11(PH)
Z76605	ic3084-3	-	-	W	5	-	-	-	-	10µl- 50 ml ✓
Z76606	ic3084-4	-	-	W	6	-	-	-	-	25µl- 50 ml ✓
Z76607	icc3084-5	-	-	W	7	-	-	-	-	50µl- 50 ml ✓
Z76608	ic3084-6	-	-	W	8	-	-	-	-	75µl- 50 ml ✓
Z76609	ic3084-7	-	-	W	9	-	-	-	-	100µl-50 ml ✓
Z76610	rinse	-	-	W	10	-	-	-	-	
Z76611	icv3084-5	-	-	W	11	-	-	-	-	50µl- 50 ml ✓

Matrix: Designate "W" for Water, "S" for soil, "O" for Oil, "L" for Non-aqueous Liquid, and "TCLP" or "SPLP" for Leachate
 Manual Integration Rational SOP QA029: MP Missed Peak, OP Overlapping Peak, SP Split Peak, PDB Priority Defined Baseline, BR Baseline Ripple, PII Poor Instrument



SGS -ORLANDO

VOA-GCMS ANALYSIS LOG

Instrument:	MS/VOA15-Z
Date:	08/29/2024
Analyst:	claudias
Column Type	RTX/MS
Detector	5975C-MSD
Purge Pressure	
Purge Volume	5ml

Method(s):	8260SIMCL
Method File:	SIMCL-08-28-2024.M
Calibration Date:	08/28/24
Acq. Method:	ACQ_SIMCLB.M
EM Voltage:	1452
Run ID:	VZ3085

BFB:	VS4150
ICAL/CC:	, VS4183, VS4198
ICV/BS:	, VS4167, VS4199
ISTD/Surr.:	VS4083

pH Paper Lot#:	230320A
KI Paper Lot#:	n/a
AFA Lot#:	n/a
Data processed by:	claudias
Sample ID Ver. by:	claudias
Date Verified:	8/29/2024 0:00

Data File	Sample ID	Dilution Factor	Vial #	Matrix	A.S. Pos.	Work Group	pH	CI? (Y/N)	RR	Comments and Manually Integrated Peaks (Peak # and Rational)
Z76612	BFB	-	-	W	1	-	-	-	-	10.5 µl- 40 ml; passed
Z76613	cc3084-5	-	-	W	2	-	-	-	-	50µl- 50 ml
Z76614	BS	-	-	W	3	-	-	-	-	25µl- 50 ml
Z76615	rinse	-	-	W	4	-	-	-	-	
Z76616	Mb	-	-	W	5	-	-	-	-	✓
Z76617	FC-18258-4	1X	1	W	6	MS57380	1	N	-	✓
Z76618	FC-18258-5	1X	1	W	7	MS57380	1	N	-	✓
Z76619	fc18261-22	1X	1	W	8	MS57380	1	N	-	✓
Z76620	FC-18258-10	1X	1	W	9	MS57380	1	N	-	✓
Z76621	FC-18339-1	1X	1	W	10	MS57380	1	N	-	✓
Z76622	FC-18258-6	1X	2	W	11	MS57380	1	N	-	✓
Z76623	FC-18258-7	1X	2	W	12	MS57380	1	N	-	✓
Z76624	FC-18258-8	1X	1	W	13	MS57380	1	N	-	✓
Z76625	FC-18258-9	1X	1	W	14	MS57380	1	N	-	✓
Z76626	FC-18261-21	1X	1	W	15	MS57380	1	N	-	✓
Z76627	FC-18261-23	1X	3	W	16	MS57380	1	N	-	✓
Z76628	FC-18261-24	1X	1	W	17	MS57380	1	N	-	✓
Z76629	FC-18319-2	1X	1	W	18	MS57380	1	N	-	✓
Z76630	FC-18339-2	1X	1	W	19	MS57380	1	N	-	✓
Z76631	FC-18339-3	1X	1	W	20	MS57380	1	N	-	✓
Z76632	FC-18339-4	1X	1	W	21	MS57380	1	N	-	✓
Z76633	FC-18339-5	1X	1	W	22	MS57380	1	N	-	✓
Z76634	FC-18339-6	1X	1	W	23	MS57380	1	N	-	✓
Z76635	FC-18339-7	1X	1	W	24	MS57380	1	N	-	✓
Z76636	FC-18339-8	1X	1	W	25	MS57380	1	N	-	✓
Z76637	FC-18258-5MS	5X	2	W	26	MS57380	1	N	-	20µl- 40 ml 10ml-50 ml
Z76638	FC-18258-5MSD	5X	2	W	27	MS57380	1	N	-	20µl- 40 ml 10ml-50 ml
Z76639	ECC3084-5	-	-	W	28	-	-	-	-	50µl- 50 ml

Matrix: Designate "W" for Water, "S" for soil, "O" for Oil, "L" for Non-aqueous Liquid, and "TCLP" or "SPLP" for Leachate
 Manual Integration Rational SOP QA029: I/P Missed Peak, O/P Overlapping Peak, SP Split Peak, PDB Poorly Defined Baseline, BR Baseline Ripple, P/I Poor Instrument

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

e-Hardcopy 2.0
Automated Report

Technical Report for

Ahtna Global, LLC

Fort Ord Groundwater Monitoring

21187.001.01.0000 (FFO 2024 Q3) OUCTP-A

SGS Job Number: FC18261

Sampling Date: 08/19/24



Report to:

Ahtna Global, LLC
9699 Blue Larkspur Lane Suite 203
Monterey, CA 93940
dlieberman@ahtna.net; mfisher@ahtna.net;
hdillon@ahtna.net; eschmidt@ahtna.net;
ATTN: Derek Lieberman

Total number of pages in report: **380**



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

Norm Farmer
Technical Director

Client Service contact: Elvin Kumar 407-425-6700

Certifications: FL(E83510), LA(03051), KS(E-10327), NC(573), NJ(FL002), NY(12022), SC(96038001)

DoD ELAP(ANAB L2229), AZ(AZ0806), CA(2937), TX(T104704404), PA(68-03573), VA(460177),

AL, AK, AR, CT, IA, KY, MA, MI, MS, ND, NH, NV, OK, OR, IL, UT, VT, WA, WI, WV

This report shall not be reproduced, except in its entirety, without the written approval of SGS.

Test results relate only to samples analyzed.

Table of Contents

-1-

Section 1: Sample Summary	4
Section 2: Case Narrative/Conformance Summary	6
Section 3: Summary of Hits	8
Section 4: Sample Results	11
4.1: FC18261-1: 24340BWX211A	12
4.2: FC18261-2: 2434X0BW037F	13
4.3: FC18261-3: 2434X0BW181F	14
4.4: FC18261-4: 2434X0BW033F	15
4.5: FC18261-5: 2434X0BW180F	16
4.6: FC18261-6: 2434X0BW044F	17
4.7: FC18261-7: 2434X0BW187F	18
4.8: FC18261-8: 2434X0BW065D	19
4.9: FC18261-9: 2434X0BW032F	20
4.10: FC18261-10: 2434X0BW047F	21
4.11: FC18261-11: 2434X0BW189F	22
4.12: FC18261-12: 2434X0BW046F	23
4.13: FC18261-13: 2434X0BW188F	24
4.14: FC18261-14: 2434X0BW045F	25
4.15: FC18261-15: 2434X0BW041F	26
4.16: FC18261-16: 2434X0BW184F	27
4.17: FC18261-17: 2434X0BW042F	28
4.18: FC18261-18: 2434X0BW185F	29
4.19: FC18261-19: 24340BWX194C	30
4.20: FC18261-20: 2434W0BW218A	31
4.21: FC18261-21: 2434W0BW160F	32
4.22: FC18261-22: 2434W0BW201C	33
4.23: FC18261-23: 2434W0BW157F	34
4.24: FC18261-24: 2434W0BW158F	35
Section 5: Misc. Forms	36
5.1: Chain of Custody	37
5.2: QC Evaluation: DOD QSM5.x Limits	43
Section 6: MS Volatiles - QC Data Summaries	48
6.1: Method Blank Summary	49
6.2: Blank Spike Summary	53
6.3: Matrix Spike/Matrix Spike Duplicate Summary	57
6.4: Instrument Performance Checks (BFB)	61
6.5: Internal Standard Area Summaries	67
6.6: Surrogate Recovery Summaries	71
6.7: Initial and Continuing Calibration Summaries	73
6.8: Run Sequence Reports	96
Section 7: MS Volatiles - Raw Data	102
7.1: Samples	103

Table of Contents

-2-

7.2: Method Blanks	241
7.3: Blank Spikes	253
7.4: Matrix Spike/Matrix Spike Duplicates	261
7.5: Instrument Performance Checks (BFB)	280
7.6: Initial and Continuing Calibrations	286
7.7: Instrument Run Logs	375

1

2

3

4

5

6

7



Sample Summary

Ahtna Global, LLC

Job No: FC18261

Fort Ord Groundwater Monitoring
 Project No: 21187.001.01.0000 (FFO 2024 Q3) OUCTP-A

Sample Number	Collected		Received	Matrix		Client Sample ID
	Date	Time By		Code	Type	
FC18261-1	08/19/24	09:00	08/22/24	AQ	Trip Blank Water	24340BWX211A
FC18261-2	08/19/24	09:32	08/22/24	AQ	Ground Water	2434X0BW037F
FC18261-3	08/19/24	09:38	08/22/24	AQ	Ground Water	2434X0BW181F
FC18261-4	08/19/24	10:50	08/22/24	AQ	Ground Water	2434X0BW033F
FC18261-5	08/19/24	10:58	08/22/24	AQ	Ground Water	2434X0BW180F
FC18261-6	08/19/24	11:25	08/22/24	AQ	Ground Water	2434X0BW044F
FC18261-7	08/19/24	11:26	08/22/24	AQ	Ground Water	2434X0BW187F
FC18261-8	08/19/24	11:28	08/22/24	AQ	Ground Water	2434X0BW065D
FC18261-9	08/19/24	11:56	08/22/24	AQ	Ground Water	2434X0BW032F
FC18261-10	08/19/24	13:10	08/22/24	AQ	Ground Water	2434X0BW047F
FC18261-11	08/19/24	13:18	08/22/24	AQ	Ground Water	2434X0BW189F
FC18261-12	08/19/24	13:46	08/22/24	AQ	Ground Water	2434X0BW046F
FC18261-13	08/19/24	13:48	08/22/24	AQ	Ground Water	2434X0BW188F



Sample Summary

(continued)

Ahtna Global, LLC

Job No: FC18261

Fort Ord Groundwater Monitoring

Project No: 21187.001.01.0000 (FFO 2024 Q3) OUCTP-A

Sample Number	Collected		Received	Matrix		Client Sample ID
	Date	Time By		Code	Type	
FC18261-14	08/19/24	14:23	08/22/24	AQ	Ground Water	2434X0BW045F
FC18261-15	08/19/24	15:07	08/22/24	AQ	Ground Water	2434X0BW041F
FC18261-16	08/19/24	15:08	08/22/24	AQ	Ground Water	2434X0BW184F
FC18261-17	08/19/24	15:34	08/22/24	AQ	Ground Water	2434X0BW042F
FC18261-18	08/19/24	15:39	08/22/24	AQ	Ground Water	2434X0BW185F
FC18261-19	08/19/24	15:56	08/22/24	AQ	Field Blank Water	24340BWX194C
FC18261-20	08/19/24	13:55	08/22/24	AQ	Trip Blank Water	2434W0BW218A
FC18261-21	08/19/24	14:06	08/22/24	AQ	Ground Water	2434W0BW160F
FC18261-22	08/19/24	14:13	08/22/24	AQ	Field Blank Water	2434W0BW201C
FC18261-23	08/19/24	15:35	08/22/24	AQ	Ground Water	2434W0BW157F
FC18261-24	08/19/24	15:50	08/22/24	AQ	Ground Water	2434W0BW158F

SAMPLE DELIVERY GROUP CASE NARRATIVE

Client: Ahtna Global, LLC

Job No: FC18261

Site: Fort Ord Groundwater Monitoring

Report Date: 8/30/2024 3:14:13 PM

On 08/22/2024, 20 Sample(s), 2 Trip Blank(s), 0 Equip. Blank(s) and 2 Field Blank(s) were received at SGS North America Inc - Orlando. at a maximum corrected temperature of 4 C. Samples were intact and chemically preserved, unless noted below. A SGS North America Inc. - Orlando Job Number of FC18261 was assigned to the project.

Laboratory sample ID, client sample ID and dates of sample collection are detailed in the report's Results Summary Section. Specified quality control criteria were achieved for this job except as noted below. For more information, please refer to the analytical results and QC summary pages.

MS Volatiles By Method SW846 8260D BY SIM

Matrix: AQ

Batch ID: VN6708

Sample(s) FC18259-1MS, FC18259-1MSD were used as the QC samples indicated.

Sample(s) FC18261-1, FC18261-10, FC18261-11, FC18261-12, FC18261-13, FC18261-14, FC18261-15, FC18261-16, FC18261-7, FC18261-8, FC18261-9 have compound(s) reported with a "B" qualifier, indicating analyte is found in the associated method blank.

RPD(s) for MSD for Tetrachloroethylene are outside control limits for sample FC18259-1MSD. Probable cause is due to sample non-homogeneity.

VN6708-MB for Methylene Chloride: Suspected laboratory contaminant.

FC18261-1 for Methylene Chloride: Suspected laboratory contaminant.

FC18261-7 for Methylene Chloride: Suspected laboratory contaminant.

FC18261-8 for Methylene Chloride: Suspected laboratory contaminant.

FC18261-9 for Methylene Chloride: Suspected laboratory contaminant.

FC18261-10 for Methylene Chloride: Suspected laboratory contaminant.

FC18261-11 for Methylene Chloride: Suspected laboratory contaminant.

FC18261-12 for Methylene Chloride: Suspected laboratory contaminant.

FC18261-13 for Methylene Chloride: Suspected laboratory contaminant.

FC18261-14 for Methylene Chloride: Suspected laboratory contaminant.

FC18261-15 for Methylene Chloride: Suspected laboratory contaminant.

FC18261-16 for Methylene Chloride: Suspected laboratory contaminant.

Matrix: AQ

Batch ID: VN6711

Sample(s) FC18256-4MS, FC18256-4MSD were used as the QC samples indicated.

Sample(s) FC18261-18 have compound(s) reported with a "B" qualifier, indicating analyte is found in the associated method blank.

Blank Spike Recovery(s) for Methylene Chloride are outside control limits.

Matrix Spike Duplicate Recovery(s) for Tetrachloroethylene are outside control limits. Probable cause is due to matrix interference.

RPD(s) for MSD for Tetrachloroethylene are outside control limits for sample FC18256-4MSD. Probable cause is due to sample non-homogeneity.

VN6711-MB for Methylene Chloride: Suspected laboratory contaminant.

FC18261-18 for Methylene Chloride: Suspected laboratory contaminant. Associated CCV and BS recovery outside DOD QSM control limits high.

FC18261-18 for Vinyl Chloride: Associated CCV outside of DOD QSM control limits high, sample is ND.

Matrix: AQ

Batch ID: VZ3083

Sample(s) FC18153-14MS, FC18153-14MSD were used as the QC samples indicated.

FC18261-18: Confirmation run.

FC18261-18 for 1,2-Dichloroethane-D4: Outside DOD QSM control limits.

Matrix: AQ

Batch ID: VZ3085

Sample(s) FC18258-5MS, FC18258-5MSD were used as the QC samples indicated.

Matrix Spike Recovery(s) for Methylene Chloride are outside control limits. Probable cause is due to matrix interference.

SGS North America Inc. - Orlando certifies that data reported for samples received, listed on the associated custody chain or analytical task order, were produced to specifications meeting the Quality System precision, accuracy and completeness objectives except as noted. Estimated non-standard method measurement uncertainty data is available on request, based on quality control bias and implicit for standard methods. Acceptable uncertainty requires tested parameter quality control data to meet method criteria. SGS North America Inc.- Orlando is not responsible for data quality assumptions if partial reports are used and recommends that this report be used in its entirety.

Narrative prepared by:

Kim Benham, Report Generation (signature on file)

Summary of Hits

Job Number: FC18261
Account: Ahtna Global, LLC
Project: Fort Ord Groundwater Monitoring
Collected: 08/19/24



Lab Sample ID	Client Sample ID	Result/ Qual	LOQ	LOD	Units	Method
FC18261-1	24340BWX211A					
Chloroform		0.14 J	0.50	0.25	ug/l	SW846 8260D BY SIM
FC18261-2	2434X0BW037F					
No hits reported in this sample.						
FC18261-3	2434X0BW181F					
Carbon Tetrachloride		0.67	0.50	0.25	ug/l	SW846 8260D BY SIM
Chloroform		0.26 J	0.50	0.25	ug/l	SW846 8260D BY SIM
FC18261-4	2434X0BW033F					
Carbon Tetrachloride		0.50	0.50	0.25	ug/l	SW846 8260D BY SIM
Chloroform		0.13 J	0.50	0.25	ug/l	SW846 8260D BY SIM
FC18261-5	2434X0BW180F					
Carbon Tetrachloride		0.51	0.50	0.25	ug/l	SW846 8260D BY SIM
Chloroform		0.12 J	0.50	0.25	ug/l	SW846 8260D BY SIM
FC18261-6	2434X0BW044F					
Carbon Tetrachloride		0.18 J	0.50	0.25	ug/l	SW846 8260D BY SIM
FC18261-7	2434X0BW187F					
Carbon Tetrachloride		2.8	0.50	0.25	ug/l	SW846 8260D BY SIM
Chloroform		0.32 J	0.50	0.25	ug/l	SW846 8260D BY SIM
Methylene Chloride ^a		0.51 JB	2.0	0.50	ug/l	SW846 8260D BY SIM
FC18261-8	2434X0BW065D					
Carbon Tetrachloride		2.7	0.50	0.25	ug/l	SW846 8260D BY SIM
Chloroform		0.34 J	0.50	0.25	ug/l	SW846 8260D BY SIM
Methylene Chloride ^a		0.53 JB	2.0	0.50	ug/l	SW846 8260D BY SIM
FC18261-9	2434X0BW032F					
Carbon Tetrachloride		0.44 J	0.50	0.25	ug/l	SW846 8260D BY SIM
Chloroform		0.23 J	0.50	0.25	ug/l	SW846 8260D BY SIM
Methylene Chloride ^a		0.52 JB	2.0	0.50	ug/l	SW846 8260D BY SIM

Summary of Hits

Job Number: FC18261
Account: Ahtna Global, LLC
Project: Fort Ord Groundwater Monitoring
Collected: 08/19/24



Lab Sample ID	Client Sample ID	Result/ Analyte	LOQ	LOD	Units	Method	
FC18261-10	2434X0BW047F						
		Methylene Chloride ^a	0.54 JB	2.0	0.50	ug/l	SW846 8260D BY SIM
FC18261-11	2434X0BW189F						
		Methylene Chloride ^a	0.53 JB	2.0	0.50	ug/l	SW846 8260D BY SIM
FC18261-12	2434X0BW046F						
		Methylene Chloride ^a	0.53 JB	2.0	0.50	ug/l	SW846 8260D BY SIM
FC18261-13	2434X0BW188F						
		Carbon Tetrachloride	0.34 J	0.50	0.25	ug/l	SW846 8260D BY SIM
		Chloroform	0.16 J	0.50	0.25	ug/l	SW846 8260D BY SIM
		Methylene Chloride ^a	0.52 JB	2.0	0.50	ug/l	SW846 8260D BY SIM
FC18261-14	2434X0BW045F						
		Methylene Chloride ^a	0.56 JB	2.0	0.50	ug/l	SW846 8260D BY SIM
FC18261-15	2434X0BW041F						
		Carbon Tetrachloride	0.23 J	0.50	0.25	ug/l	SW846 8260D BY SIM
		Methylene Chloride ^a	0.53 JB	2.0	0.50	ug/l	SW846 8260D BY SIM
FC18261-16	2434X0BW184F						
		Carbon Tetrachloride	0.23 J	0.50	0.25	ug/l	SW846 8260D BY SIM
		Methylene Chloride ^a	0.52 JB	2.0	0.50	ug/l	SW846 8260D BY SIM
FC18261-17	2434X0BW042F						
		Chloroform	0.10 J	0.50	0.25	ug/l	SW846 8260D BY SIM
FC18261-18	2434X0BW185F						
		Chloroform	0.15 J	0.50	0.25	ug/l	SW846 8260D BY SIM
		Methylene Chloride ^b	1.6 JB	2.0	0.50	ug/l	SW846 8260D BY SIM
FC18261-19	24340BWX194C						

No hits reported in this sample.

Summary of Hits

Job Number: FC18261
Account: Ahtna Global, LLC
Project: Fort Ord Groundwater Monitoring
Collected: 08/19/24



Lab Sample ID	Client Sample ID	Result/ Qual	LOQ	LOD	Units	Method
---------------	------------------	-----------------	-----	-----	-------	--------

FC18261-20 **2434W0BW218A**

No hits reported in this sample.

FC18261-21 **2434W0BW160F**

No hits reported in this sample.

FC18261-22 **2434W0BW201C**

No hits reported in this sample.

FC18261-23 **2434W0BW157F**

Vinyl Chloride	0.45	0.10	0.10	ug/l	SW846 8260D BY SIM
----------------	------	------	------	------	--------------------

FC18261-24 **2434W0BW158F**

Carbon Tetrachloride	1.1	0.50	0.25	ug/l	SW846 8260D BY SIM
Chloroform	0.14 J	0.50	0.25	ug/l	SW846 8260D BY SIM

- (a) Suspected laboratory contaminant.
- (b) Suspected laboratory contaminant. Associated CCV and BS recovery outside DOD QSM control limits high.

Sample Results

Report of Analysis

SGS North America Inc.

Report of Analysis

Page 1 of 1

Client Sample ID:	24340BWX211A	Date Sampled:	08/19/24
Lab Sample ID:	FC18261-1	Date Received:	08/22/24
Matrix:	AQ - Trip Blank Water	Percent Solids:	n/a
Method:	SW846 8260D BY SIM		
Project:	Fort Ord Groundwater Monitoring		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	N0132256.D	1	08/26/24 08:37	JW	n/a	n/a	VN6708
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA Special List

CAS No.	Compound	Result	LOQ	LOD	DL	Units	Q
56-23-5	Carbon Tetrachloride	0.25 U	0.50	0.25	0.10	ug/l	
67-66-3	Chloroform	0.14	0.50	0.25	0.10	ug/l	J
75-35-4	1,1-Dichloroethylene	0.25 U	0.50	0.25	0.10	ug/l	
540-59-0	1,2-Dichloroethene (total)	0.25 U	0.50	0.25	0.10	ug/l	
75-09-2	Methylene Chloride ^a	0.68	2.0	0.50	0.50	ug/l	B
127-18-4	Tetrachloroethylene	0.25 U	0.50	0.25	0.10	ug/l	
79-01-6	Trichloroethylene	0.25 U	0.50	0.25	0.10	ug/l	
75-01-4	Vinyl Chloride	0.10 U	0.10	0.10	0.050	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
17060-07-0	1,2-Dichloroethane-D4	95%		74-125%
2037-26-5	Toluene-D8	110%		88-111%

(a) Suspected laboratory contaminant.

U = Not detected

LOD = Limit of Detection

J = Indicates an estimated value

LOQ = Limit of Quantitation

DL = Detection Limit

B = Indicates analyte found in associated method blank

E = Indicates value exceeds calibration range

N = Indicates presumptive evidence of a compound

SGS North America Inc.

Report of Analysis

Page 1 of 1

Client Sample ID:	2434X0BW037F	Date Sampled:	08/19/24
Lab Sample ID:	FC18261-2	Date Received:	08/22/24
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8260D BY SIM		
Project:	Fort Ord Groundwater Monitoring		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	N0132261.D	1	08/26/24 10:34	JW	n/a	n/a	VN6708
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA Special List

CAS No.	Compound	Result	LOQ	LOD	DL	Units	Q
56-23-5	Carbon Tetrachloride	0.25 U	0.50	0.25	0.10	ug/l	
67-66-3	Chloroform	0.25 U	0.50	0.25	0.10	ug/l	
75-35-4	1,1-Dichloroethylene	0.25 U	0.50	0.25	0.10	ug/l	
540-59-0	1,2-Dichloroethene (total)	0.25 U	0.50	0.25	0.10	ug/l	
75-09-2	Methylene Chloride	0.50 U	2.0	0.50	0.50	ug/l	
127-18-4	Tetrachloroethylene	0.25 U	0.50	0.25	0.10	ug/l	
79-01-6	Trichloroethylene	0.25 U	0.50	0.25	0.10	ug/l	
75-01-4	Vinyl Chloride	0.10 U	0.10	0.10	0.050	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
17060-07-0	1,2-Dichloroethane-D4	99%		74-125%
2037-26-5	Toluene-D8	107%		88-111%

U = Not detected

LOD = Limit of Detection

J = Indicates an estimated value

LOQ = Limit of Quantitation

DL = Detection Limit

B = Indicates analyte found in associated method blank

E = Indicates value exceeds calibration range

N = Indicates presumptive evidence of a compound

SGS North America Inc.

Report of Analysis

Page 1 of 1

Client Sample ID:	2434X0BW181F	Date Sampled:	08/19/24
Lab Sample ID:	FC18261-3	Date Received:	08/22/24
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8260D BY SIM		
Project:	Fort Ord Groundwater Monitoring		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	N0132262.D	1	08/26/24 10:58	JW	n/a	n/a	VN6708
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA Special List

CAS No.	Compound	Result	LOQ	LOD	DL	Units	Q
56-23-5	Carbon Tetrachloride	0.67	0.50	0.25	0.10	ug/l	
67-66-3	Chloroform	0.26	0.50	0.25	0.10	ug/l	J
75-35-4	1,1-Dichloroethylene	0.25 U	0.50	0.25	0.10	ug/l	
540-59-0	1,2-Dichloroethene (total)	0.25 U	0.50	0.25	0.10	ug/l	
75-09-2	Methylene Chloride	0.50 U	2.0	0.50	0.50	ug/l	
127-18-4	Tetrachloroethylene	0.25 U	0.50	0.25	0.10	ug/l	
79-01-6	Trichloroethylene	0.25 U	0.50	0.25	0.10	ug/l	
75-01-4	Vinyl Chloride	0.10 U	0.10	0.10	0.050	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
17060-07-0	1,2-Dichloroethane-D4	99%		74-125%
2037-26-5	Toluene-D8	107%		88-111%

U = Not detected

LOD = Limit of Detection

J = Indicates an estimated value

LOQ = Limit of Quantitation

DL = Detection Limit

B = Indicates analyte found in associated method blank

E = Indicates value exceeds calibration range

N = Indicates presumptive evidence of a compound

SGS North America Inc.

Report of Analysis

Page 1 of 1

Client Sample ID:	2434X0BW033F	Date Sampled:	08/19/24
Lab Sample ID:	FC18261-4	Date Received:	08/22/24
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8260D BY SIM		
Project:	Fort Ord Groundwater Monitoring		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	N0132263.D	1	08/26/24 11:21	JW	n/a	n/a	VN6708
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA Special List

CAS No.	Compound	Result	LOQ	LOD	DL	Units	Q
56-23-5	Carbon Tetrachloride	0.50	0.50	0.25	0.10	ug/l	
67-66-3	Chloroform	0.13	0.50	0.25	0.10	ug/l	J
75-35-4	1,1-Dichloroethylene	0.25 U	0.50	0.25	0.10	ug/l	
540-59-0	1,2-Dichloroethene (total)	0.25 U	0.50	0.25	0.10	ug/l	
75-09-2	Methylene Chloride	0.50 U	2.0	0.50	0.50	ug/l	
127-18-4	Tetrachloroethylene	0.25 U	0.50	0.25	0.10	ug/l	
79-01-6	Trichloroethylene	0.25 U	0.50	0.25	0.10	ug/l	
75-01-4	Vinyl Chloride	0.10 U	0.10	0.10	0.050	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
17060-07-0	1,2-Dichloroethane-D4	101%		74-125%
2037-26-5	Toluene-D8	107%		88-111%

U = Not detected

LOD = Limit of Detection

J = Indicates an estimated value

LOQ = Limit of Quantitation

DL = Detection Limit

B = Indicates analyte found in associated method blank

E = Indicates value exceeds calibration range

N = Indicates presumptive evidence of a compound

SGS North America Inc.

Report of Analysis

Page 1 of 1

Client Sample ID:	2434X0BW180F	Date Sampled:	08/19/24
Lab Sample ID:	FC18261-5	Date Received:	08/22/24
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8260D BY SIM		
Project:	Fort Ord Groundwater Monitoring		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	N0132264.D	1	08/26/24 11:44	JW	n/a	n/a	VN6708
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA Special List

CAS No.	Compound	Result	LOQ	LOD	DL	Units	Q
56-23-5	Carbon Tetrachloride	0.51	0.50	0.25	0.10	ug/l	
67-66-3	Chloroform	0.12	0.50	0.25	0.10	ug/l	J
75-35-4	1,1-Dichloroethylene	0.25 U	0.50	0.25	0.10	ug/l	
540-59-0	1,2-Dichloroethene (total)	0.25 U	0.50	0.25	0.10	ug/l	
75-09-2	Methylene Chloride	0.50 U	2.0	0.50	0.50	ug/l	
127-18-4	Tetrachloroethylene	0.25 U	0.50	0.25	0.10	ug/l	
79-01-6	Trichloroethylene	0.25 U	0.50	0.25	0.10	ug/l	
75-01-4	Vinyl Chloride	0.10 U	0.10	0.10	0.050	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
17060-07-0	1,2-Dichloroethane-D4	101%		74-125%
2037-26-5	Toluene-D8	107%		88-111%

U = Not detected

LOD = Limit of Detection

J = Indicates an estimated value

LOQ = Limit of Quantitation

DL = Detection Limit

B = Indicates analyte found in associated method blank

E = Indicates value exceeds calibration range

N = Indicates presumptive evidence of a compound

SGS North America Inc.

Report of Analysis

Page 1 of 1

Client Sample ID:	2434X0BW044F	Date Sampled:	08/19/24
Lab Sample ID:	FC18261-6	Date Received:	08/22/24
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8260D BY SIM		
Project:	Fort Ord Groundwater Monitoring		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	N0132265.D	1	08/26/24 12:08	JW	n/a	n/a	VN6708
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA Special List

CAS No.	Compound	Result	LOQ	LOD	DL	Units	Q
56-23-5	Carbon Tetrachloride	0.18	0.50	0.25	0.10	ug/l	J
67-66-3	Chloroform	0.25 U	0.50	0.25	0.10	ug/l	
75-35-4	1,1-Dichloroethylene	0.25 U	0.50	0.25	0.10	ug/l	
540-59-0	1,2-Dichloroethene (total)	0.25 U	0.50	0.25	0.10	ug/l	
75-09-2	Methylene Chloride	0.50 U	2.0	0.50	0.50	ug/l	
127-18-4	Tetrachloroethylene	0.25 U	0.50	0.25	0.10	ug/l	
79-01-6	Trichloroethylene	0.25 U	0.50	0.25	0.10	ug/l	
75-01-4	Vinyl Chloride	0.10 U	0.10	0.10	0.050	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
17060-07-0	1,2-Dichloroethane-D4	103%		74-125%
2037-26-5	Toluene-D8	108%		88-111%

U = Not detected

LOD = Limit of Detection

J = Indicates an estimated value

LOQ = Limit of Quantitation

DL = Detection Limit

B = Indicates analyte found in associated method blank

E = Indicates value exceeds calibration range

N = Indicates presumptive evidence of a compound

SGS North America Inc.

Report of Analysis

Page 1 of 1

Client Sample ID:	2434X0BW187F	Date Sampled:	08/19/24
Lab Sample ID:	FC18261-7	Date Received:	08/22/24
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8260D BY SIM		
Project:	Fort Ord Groundwater Monitoring		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	N0132266.D	1	08/26/24 12:31	JW	n/a	n/a	VN6708
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA Special List

CAS No.	Compound	Result	LOQ	LOD	DL	Units	Q
56-23-5	Carbon Tetrachloride	2.8	0.50	0.25	0.10	ug/l	
67-66-3	Chloroform	0.32	0.50	0.25	0.10	ug/l	J
75-35-4	1,1-Dichloroethylene	0.25 U	0.50	0.25	0.10	ug/l	
540-59-0	1,2-Dichloroethene (total)	0.25 U	0.50	0.25	0.10	ug/l	
75-09-2	Methylene Chloride ^a	0.51	2.0	0.50	0.50	ug/l	JB
127-18-4	Tetrachloroethylene	0.25 U	0.50	0.25	0.10	ug/l	
79-01-6	Trichloroethylene	0.25 U	0.50	0.25	0.10	ug/l	
75-01-4	Vinyl Chloride	0.10 U	0.10	0.10	0.050	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
17060-07-0	1,2-Dichloroethane-D4	103%		74-125%
2037-26-5	Toluene-D8	107%		88-111%

(a) Suspected laboratory contaminant.

U = Not detected

LOD = Limit of Detection

J = Indicates an estimated value

LOQ = Limit of Quantitation

DL = Detection Limit

B = Indicates analyte found in associated method blank

E = Indicates value exceeds calibration range

N = Indicates presumptive evidence of a compound

SGS North America Inc.

Report of Analysis

Page 1 of 1

Client Sample ID:	2434X0BW065D	Date Sampled:	08/19/24
Lab Sample ID:	FC18261-8	Date Received:	08/22/24
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8260D BY SIM		
Project:	Fort Ord Groundwater Monitoring		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	N0132267.D	1	08/26/24 12:55	JW	n/a	n/a	VN6708
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA Special List

CAS No.	Compound	Result	LOQ	LOD	DL	Units	Q
56-23-5	Carbon Tetrachloride	2.7	0.50	0.25	0.10	ug/l	
67-66-3	Chloroform	0.34	0.50	0.25	0.10	ug/l	J
75-35-4	1,1-Dichloroethylene	0.25 U	0.50	0.25	0.10	ug/l	
540-59-0	1,2-Dichloroethene (total)	0.25 U	0.50	0.25	0.10	ug/l	
75-09-2	Methylene Chloride ^a	0.53	2.0	0.50	0.50	ug/l	JB
127-18-4	Tetrachloroethylene	0.25 U	0.50	0.25	0.10	ug/l	
79-01-6	Trichloroethylene	0.25 U	0.50	0.25	0.10	ug/l	
75-01-4	Vinyl Chloride	0.10 U	0.10	0.10	0.050	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
17060-07-0	1,2-Dichloroethane-D4	105%		74-125%
2037-26-5	Toluene-D8	106%		88-111%

(a) Suspected laboratory contaminant.

U = Not detected

LOD = Limit of Detection

J = Indicates an estimated value

LOQ = Limit of Quantitation

DL = Detection Limit

B = Indicates analyte found in associated method blank

E = Indicates value exceeds calibration range

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: 2434X0BW032F	
Lab Sample ID: FC18261-9	Date Sampled: 08/19/24
Matrix: AQ - Ground Water	Date Received: 08/22/24
Method: SW846 8260D BY SIM	Percent Solids: n/a
Project: Fort Ord Groundwater Monitoring	

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	N0132268.D	1	08/26/24 13:18	JW	n/a	n/a	VN6708
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA Special List

CAS No.	Compound	Result	LOQ	LOD	DL	Units	Q
56-23-5	Carbon Tetrachloride	0.44	0.50	0.25	0.10	ug/l	J
67-66-3	Chloroform	0.23	0.50	0.25	0.10	ug/l	J
75-35-4	1,1-Dichloroethylene	0.25 U	0.50	0.25	0.10	ug/l	
540-59-0	1,2-Dichloroethene (total)	0.25 U	0.50	0.25	0.10	ug/l	
75-09-2	Methylene Chloride ^a	0.52	2.0	0.50	0.50	ug/l	JB
127-18-4	Tetrachloroethylene	0.25 U	0.50	0.25	0.10	ug/l	
79-01-6	Trichloroethylene	0.25 U	0.50	0.25	0.10	ug/l	
75-01-4	Vinyl Chloride	0.10 U	0.10	0.10	0.050	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
17060-07-0	1,2-Dichloroethane-D4	107%		74-125%
2037-26-5	Toluene-D8	105%		88-111%

(a) Suspected laboratory contaminant.

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

4.9
 4

SGS North America Inc.

Report of Analysis

Page 1 of 1

Client Sample ID:	2434X0BW047F	Date Sampled:	08/19/24
Lab Sample ID:	FC18261-10	Date Received:	08/22/24
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8260D BY SIM		
Project:	Fort Ord Groundwater Monitoring		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	N0132269.D	1	08/26/24 13:42	JW	n/a	n/a	VN6708
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA Special List

CAS No.	Compound	Result	LOQ	LOD	DL	Units	Q
56-23-5	Carbon Tetrachloride	0.25 U	0.50	0.25	0.10	ug/l	
67-66-3	Chloroform	0.25 U	0.50	0.25	0.10	ug/l	
75-35-4	1,1-Dichloroethylene	0.25 U	0.50	0.25	0.10	ug/l	
540-59-0	1,2-Dichloroethene (total)	0.25 U	0.50	0.25	0.10	ug/l	
75-09-2	Methylene Chloride ^a	0.54	2.0	0.50	0.50	ug/l	JB
127-18-4	Tetrachloroethylene	0.25 U	0.50	0.25	0.10	ug/l	
79-01-6	Trichloroethylene	0.25 U	0.50	0.25	0.10	ug/l	
75-01-4	Vinyl Chloride	0.10 U	0.10	0.10	0.050	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
17060-07-0	1,2-Dichloroethane-D4	107%		74-125%
2037-26-5	Toluene-D8	106%		88-111%

(a) Suspected laboratory contaminant.

U = Not detected

LOD = Limit of Detection

J = Indicates an estimated value

LOQ = Limit of Quantitation

DL = Detection Limit

B = Indicates analyte found in associated method blank

E = Indicates value exceeds calibration range

N = Indicates presumptive evidence of a compound

SGS North America Inc.

Report of Analysis

Page 1 of 1

Client Sample ID:	2434X0BW189F	Date Sampled:	08/19/24
Lab Sample ID:	FC18261-11	Date Received:	08/22/24
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8260D BY SIM		
Project:	Fort Ord Groundwater Monitoring		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	N0132270.D	1	08/26/24 14:05	JW	n/a	n/a	VN6708
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA Special List

CAS No.	Compound	Result	LOQ	LOD	DL	Units	Q
56-23-5	Carbon Tetrachloride	0.25 U	0.50	0.25	0.10	ug/l	
67-66-3	Chloroform	0.25 U	0.50	0.25	0.10	ug/l	
75-35-4	1,1-Dichloroethylene	0.25 U	0.50	0.25	0.10	ug/l	
540-59-0	1,2-Dichloroethene (total)	0.25 U	0.50	0.25	0.10	ug/l	
75-09-2	Methylene Chloride ^a	0.53	2.0	0.50	0.50	ug/l	JB
127-18-4	Tetrachloroethylene	0.25 U	0.50	0.25	0.10	ug/l	
79-01-6	Trichloroethylene	0.25 U	0.50	0.25	0.10	ug/l	
75-01-4	Vinyl Chloride	0.10 U	0.10	0.10	0.050	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
17060-07-0	1,2-Dichloroethane-D4	108%		74-125%
2037-26-5	Toluene-D8	105%		88-111%

(a) Suspected laboratory contaminant.

U = Not detected

LOD = Limit of Detection

J = Indicates an estimated value

LOQ = Limit of Quantitation

DL = Detection Limit

B = Indicates analyte found in associated method blank

E = Indicates value exceeds calibration range

N = Indicates presumptive evidence of a compound

SGS North America Inc.

Report of Analysis

Page 1 of 1

Client Sample ID:	2434X0BW046F	Date Sampled:	08/19/24
Lab Sample ID:	FC18261-12	Date Received:	08/22/24
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8260D BY SIM		
Project:	Fort Ord Groundwater Monitoring		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	N0132271.D	1	08/26/24 14:29	JW	n/a	n/a	VN6708
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA Special List

CAS No.	Compound	Result	LOQ	LOD	DL	Units	Q
56-23-5	Carbon Tetrachloride	0.25 U	0.50	0.25	0.10	ug/l	
67-66-3	Chloroform	0.25 U	0.50	0.25	0.10	ug/l	
75-35-4	1,1-Dichloroethylene	0.25 U	0.50	0.25	0.10	ug/l	
540-59-0	1,2-Dichloroethene (total)	0.25 U	0.50	0.25	0.10	ug/l	
75-09-2	Methylene Chloride ^a	0.53	2.0	0.50	0.50	ug/l	JB
127-18-4	Tetrachloroethylene	0.25 U	0.50	0.25	0.10	ug/l	
79-01-6	Trichloroethylene	0.25 U	0.50	0.25	0.10	ug/l	
75-01-4	Vinyl Chloride	0.10 U	0.10	0.10	0.050	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
17060-07-0	1,2-Dichloroethane-D4	109%		74-125%
2037-26-5	Toluene-D8	104%		88-111%

(a) Suspected laboratory contaminant.

U = Not detected

LOD = Limit of Detection

J = Indicates an estimated value

LOQ = Limit of Quantitation

DL = Detection Limit

B = Indicates analyte found in associated method blank

E = Indicates value exceeds calibration range

N = Indicates presumptive evidence of a compound

SGS North America Inc.

Report of Analysis

Page 1 of 1

Client Sample ID:	2434X0BW188F	Date Sampled:	08/19/24
Lab Sample ID:	FC18261-13	Date Received:	08/22/24
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8260D BY SIM		
Project:	Fort Ord Groundwater Monitoring		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	N0132272.D	1	08/26/24 14:52	JW	n/a	n/a	VN6708
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA Special List

CAS No.	Compound	Result	LOQ	LOD	DL	Units	Q
56-23-5	Carbon Tetrachloride	0.34	0.50	0.25	0.10	ug/l	J
67-66-3	Chloroform	0.16	0.50	0.25	0.10	ug/l	J
75-35-4	1,1-Dichloroethylene	0.25 U	0.50	0.25	0.10	ug/l	
540-59-0	1,2-Dichloroethene (total)	0.25 U	0.50	0.25	0.10	ug/l	
75-09-2	Methylene Chloride ^a	0.52	2.0	0.50	0.50	ug/l	JB
127-18-4	Tetrachloroethylene	0.25 U	0.50	0.25	0.10	ug/l	
79-01-6	Trichloroethylene	0.25 U	0.50	0.25	0.10	ug/l	
75-01-4	Vinyl Chloride	0.10 U	0.10	0.10	0.050	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
17060-07-0	1,2-Dichloroethane-D4	110%		74-125%
2037-26-5	Toluene-D8	104%		88-111%

(a) Suspected laboratory contaminant.

U = Not detected

LOD = Limit of Detection

J = Indicates an estimated value

LOQ = Limit of Quantitation

DL = Detection Limit

B = Indicates analyte found in associated method blank

E = Indicates value exceeds calibration range

N = Indicates presumptive evidence of a compound

SGS North America Inc.

Report of Analysis

Page 1 of 1

Client Sample ID:	2434X0BW045F	Date Sampled:	08/19/24
Lab Sample ID:	FC18261-14	Date Received:	08/22/24
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8260D BY SIM		
Project:	Fort Ord Groundwater Monitoring		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	N0132273.D	1	08/26/24 15:15	JW	n/a	n/a	VN6708
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA Special List

CAS No.	Compound	Result	LOQ	LOD	DL	Units	Q
56-23-5	Carbon Tetrachloride	0.25 U	0.50	0.25	0.10	ug/l	
67-66-3	Chloroform	0.25 U	0.50	0.25	0.10	ug/l	
75-35-4	1,1-Dichloroethylene	0.25 U	0.50	0.25	0.10	ug/l	
540-59-0	1,2-Dichloroethene (total)	0.25 U	0.50	0.25	0.10	ug/l	
75-09-2	Methylene Chloride ^a	0.56	2.0	0.50	0.50	ug/l	JB
127-18-4	Tetrachloroethylene	0.25 U	0.50	0.25	0.10	ug/l	
79-01-6	Trichloroethylene	0.25 U	0.50	0.25	0.10	ug/l	
75-01-4	Vinyl Chloride	0.10 U	0.10	0.10	0.050	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
17060-07-0	1,2-Dichloroethane-D4	109%		74-125%
2037-26-5	Toluene-D8	105%		88-111%

(a) Suspected laboratory contaminant.

U = Not detected

LOD = Limit of Detection

J = Indicates an estimated value

LOQ = Limit of Quantitation

DL = Detection Limit

B = Indicates analyte found in associated method blank

E = Indicates value exceeds calibration range

N = Indicates presumptive evidence of a compound

SGS North America Inc.

Report of Analysis

Page 1 of 1

Client Sample ID:	2434X0BW041F	Date Sampled:	08/19/24
Lab Sample ID:	FC18261-15	Date Received:	08/22/24
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8260D BY SIM		
Project:	Fort Ord Groundwater Monitoring		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	N0132274.D	1	08/26/24 15:39	JW	n/a	n/a	VN6708
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA Special List

CAS No.	Compound	Result	LOQ	LOD	DL	Units	Q
56-23-5	Carbon Tetrachloride	0.23	0.50	0.25	0.10	ug/l	J
67-66-3	Chloroform	0.25 U	0.50	0.25	0.10	ug/l	
75-35-4	1,1-Dichloroethylene	0.25 U	0.50	0.25	0.10	ug/l	
540-59-0	1,2-Dichloroethene (total)	0.25 U	0.50	0.25	0.10	ug/l	
75-09-2	Methylene Chloride ^a	0.53	2.0	0.50	0.50	ug/l	JB
127-18-4	Tetrachloroethylene	0.25 U	0.50	0.25	0.10	ug/l	
79-01-6	Trichloroethylene	0.25 U	0.50	0.25	0.10	ug/l	
75-01-4	Vinyl Chloride	0.10 U	0.10	0.10	0.050	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
17060-07-0	1,2-Dichloroethane-D4	110%		74-125%
2037-26-5	Toluene-D8	104%		88-111%

(a) Suspected laboratory contaminant.

U = Not detected

LOD = Limit of Detection

J = Indicates an estimated value

LOQ = Limit of Quantitation

DL = Detection Limit

B = Indicates analyte found in associated method blank

E = Indicates value exceeds calibration range

N = Indicates presumptive evidence of a compound

SGS North America Inc.

Report of Analysis

Page 1 of 1

Client Sample ID:	2434X0BW184F	Date Sampled:	08/19/24
Lab Sample ID:	FC18261-16	Date Received:	08/22/24
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8260D BY SIM		
Project:	Fort Ord Groundwater Monitoring		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	N0132275.D	1	08/26/24 16:02	JW	n/a	n/a	VN6708
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA Special List

CAS No.	Compound	Result	LOQ	LOD	DL	Units	Q
56-23-5	Carbon Tetrachloride	0.23	0.50	0.25	0.10	ug/l	J
67-66-3	Chloroform	0.25 U	0.50	0.25	0.10	ug/l	
75-35-4	1,1-Dichloroethylene	0.25 U	0.50	0.25	0.10	ug/l	
540-59-0	1,2-Dichloroethene (total)	0.25 U	0.50	0.25	0.10	ug/l	
75-09-2	Methylene Chloride ^a	0.52	2.0	0.50	0.50	ug/l	JB
127-18-4	Tetrachloroethylene	0.25 U	0.50	0.25	0.10	ug/l	
79-01-6	Trichloroethylene	0.25 U	0.50	0.25	0.10	ug/l	
75-01-4	Vinyl Chloride	0.10 U	0.10	0.10	0.050	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
17060-07-0	1,2-Dichloroethane-D4	111%		74-125%
2037-26-5	Toluene-D8	103%		88-111%

(a) Suspected laboratory contaminant.

U = Not detected

LOD = Limit of Detection

J = Indicates an estimated value

LOQ = Limit of Quantitation

DL = Detection Limit

B = Indicates analyte found in associated method blank

E = Indicates value exceeds calibration range

N = Indicates presumptive evidence of a compound

SGS North America Inc.

Report of Analysis

Page 1 of 1

Client Sample ID: 2434X0BW042F	
Lab Sample ID: FC18261-17	Date Sampled: 08/19/24
Matrix: AQ - Ground Water	Date Received: 08/22/24
Method: SW846 8260D BY SIM	Percent Solids: n/a
Project: Fort Ord Groundwater Monitoring	

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	Z76596.D	1	08/26/24 17:45	CS	n/a	n/a	VZ3083
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA Special List

CAS No.	Compound	Result	LOQ	LOD	DL	Units	Q
56-23-5	Carbon Tetrachloride	0.25 U	0.50	0.25	0.10	ug/l	
67-66-3	Chloroform	0.10	0.50	0.25	0.10	ug/l	J
75-35-4	1,1-Dichloroethylene	0.25 U	0.50	0.25	0.10	ug/l	
540-59-0	1,2-Dichloroethene (total)	0.25 U	0.50	0.25	0.10	ug/l	
75-09-2	Methylene Chloride	0.50 U	2.0	0.50	0.50	ug/l	
127-18-4	Tetrachloroethylene	0.25 U	0.50	0.25	0.10	ug/l	
79-01-6	Trichloroethylene	0.25 U	0.50	0.25	0.10	ug/l	
75-01-4	Vinyl Chloride	0.10 U	0.10	0.10	0.050	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
17060-07-0	1,2-Dichloroethane-D4	116%		74-125%
2037-26-5	Toluene-D8	104%		88-111%

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

4.17
4

SGS North America Inc.

Report of Analysis

Page 1 of 1

Client Sample ID:	2434X0BW185F	Date Sampled:	08/19/24
Lab Sample ID:	FC18261-18	Date Received:	08/22/24
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8260D BY SIM		
Project:	Fort Ord Groundwater Monitoring		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	N0132356.D	1	08/29/24 12:18	JW	n/a	n/a	VN6711
Run #2 ^a	Z76597.D	1	08/26/24 18:08	CS	n/a	n/a	VZ3083

	Purge Volume
Run #1	5.0 ml
Run #2	5.0 ml

VOA Special List

CAS No.	Compound	Result	LOQ	LOD	DL	Units	Q
56-23-5	Carbon Tetrachloride	0.25 U	0.50	0.25	0.10	ug/l	
67-66-3	Chloroform	0.15	0.50	0.25	0.10	ug/l	J
75-35-4	1,1-Dichloroethylene	0.25 U	0.50	0.25	0.10	ug/l	
540-59-0	1,2-Dichloroethene (total)	0.25 U	0.50	0.25	0.10	ug/l	
75-09-2	Methylene Chloride ^b	1.6	2.0	0.50	0.50	ug/l	JB
127-18-4	Tetrachloroethylene	0.25 U	0.50	0.25	0.10	ug/l	
79-01-6	Trichloroethylene	0.25 U	0.50	0.25	0.10	ug/l	
75-01-4	Vinyl Chloride ^c	0.10 U	0.10	0.10	0.050	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
17060-07-0	1,2-Dichloroethane-D4	111%	120% ^d	74-125%
2037-26-5	Toluene-D8	103%	103%	88-111%

- (a) Confirmation run.
- (b) Suspected laboratory contaminant. Associated CCV and BS recovery outside DOD QSM control limits high.
- (c) Associated CCV outside of DOD QSM control limits high, sample is ND.
- (d) Outside DOD QSM control limits.

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

4.18
4

SGS North America Inc.

Report of Analysis

Page 1 of 1

Client Sample ID: 24340BWX194C	
Lab Sample ID: FC18261-19	Date Sampled: 08/19/24
Matrix: AQ - Field Blank Water	Date Received: 08/22/24
Method: SW846 8260D BY SIM	Percent Solids: n/a
Project: Fort Ord Groundwater Monitoring	

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	Z76589.D	1	08/26/24 15:05	CS	n/a	n/a	VZ3083
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA Special List

CAS No.	Compound	Result	LOQ	LOD	DL	Units	Q
56-23-5	Carbon Tetrachloride	0.25 U	0.50	0.25	0.10	ug/l	
67-66-3	Chloroform	0.25 U	0.50	0.25	0.10	ug/l	
75-35-4	1,1-Dichloroethylene	0.25 U	0.50	0.25	0.10	ug/l	
540-59-0	1,2-Dichloroethene (total)	0.25 U	0.50	0.25	0.10	ug/l	
75-09-2	Methylene Chloride	0.50 U	2.0	0.50	0.50	ug/l	
127-18-4	Tetrachloroethylene	0.25 U	0.50	0.25	0.10	ug/l	
79-01-6	Trichloroethylene	0.25 U	0.50	0.25	0.10	ug/l	
75-01-4	Vinyl Chloride	0.10 U	0.10	0.10	0.050	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
17060-07-0	1,2-Dichloroethane-D4	102%		74-125%
2037-26-5	Toluene-D8	105%		88-111%

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

4.19
4

SGS North America Inc.

Report of Analysis

Page 1 of 1

Client Sample ID: 2434W0BW218A	
Lab Sample ID: FC18261-20	Date Sampled: 08/19/24
Matrix: AQ - Trip Blank Water	Date Received: 08/22/24
Method: SW846 8260D BY SIM	Percent Solids: n/a
Project: Fort Ord Groundwater Monitoring	

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	Z76590.D	1	08/26/24 15:28	CS	n/a	n/a	VZ3083
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA Special List

CAS No.	Compound	Result	LOQ	LOD	DL	Units	Q
56-23-5	Carbon Tetrachloride	0.25 U	0.50	0.25	0.10	ug/l	
67-66-3	Chloroform	0.25 U	0.50	0.25	0.10	ug/l	
75-35-4	1,1-Dichloroethylene	0.25 U	0.50	0.25	0.10	ug/l	
540-59-0	1,2-Dichloroethene (total)	0.25 U	0.50	0.25	0.10	ug/l	
75-09-2	Methylene Chloride	0.50 U	2.0	0.50	0.50	ug/l	
127-18-4	Tetrachloroethylene	0.25 U	0.50	0.25	0.10	ug/l	
79-01-6	Trichloroethylene	0.25 U	0.50	0.25	0.10	ug/l	
75-01-4	Vinyl Chloride	0.10 U	0.10	0.10	0.050	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
17060-07-0	1,2-Dichloroethane-D4	104%		74-125%
2037-26-5	Toluene-D8	106%		88-111%

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

4.20
 4

SGS North America Inc.

Report of Analysis

Page 1 of 1

Client Sample ID:	2434W0BW160F	Date Sampled:	08/19/24
Lab Sample ID:	FC18261-21	Date Received:	08/22/24
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8260D BY SIM		
Project:	Fort Ord Groundwater Monitoring		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	Z76626.D	1	08/28/24 18:24	CS	n/a	n/a	VZ3085
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA Special List

CAS No.	Compound	Result	LOQ	LOD	DL	Units	Q
56-23-5	Carbon Tetrachloride	0.25 U	0.50	0.25	0.10	ug/l	
67-66-3	Chloroform	0.25 U	0.50	0.25	0.10	ug/l	
75-35-4	1,1-Dichloroethylene	0.25 U	0.50	0.25	0.10	ug/l	
540-59-0	1,2-Dichloroethene (total)	0.25 U	0.50	0.25	0.10	ug/l	
75-09-2	Methylene Chloride	0.50 U	2.0	0.50	0.50	ug/l	
127-18-4	Tetrachloroethylene	0.25 U	0.50	0.25	0.10	ug/l	
79-01-6	Trichloroethylene	0.25 U	0.50	0.25	0.10	ug/l	
75-01-4	Vinyl Chloride	0.10 U	0.10	0.10	0.050	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
17060-07-0	1,2-Dichloroethane-D4	106%		74-125%
2037-26-5	Toluene-D8	98%		88-111%

U = Not detected

LOD = Limit of Detection

J = Indicates an estimated value

LOQ = Limit of Quantitation

DL = Detection Limit

B = Indicates analyte found in associated method blank

E = Indicates value exceeds calibration range

N = Indicates presumptive evidence of a compound

SGS North America Inc.

Report of Analysis

Page 1 of 1

Client Sample ID: 2434W0BW201C	
Lab Sample ID: FC18261-22	Date Sampled: 08/19/24
Matrix: AQ - Field Blank Water	Date Received: 08/22/24
Method: SW846 8260D BY SIM	Percent Solids: n/a
Project: Fort Ord Groundwater Monitoring	

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	Z76619.D	1	08/28/24 15:42	CS	n/a	n/a	VZ3085
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA Special List

CAS No.	Compound	Result	LOQ	LOD	DL	Units	Q
56-23-5	Carbon Tetrachloride	0.25 U	0.50	0.25	0.10	ug/l	
67-66-3	Chloroform	0.25 U	0.50	0.25	0.10	ug/l	
75-35-4	1,1-Dichloroethylene	0.25 U	0.50	0.25	0.10	ug/l	
540-59-0	1,2-Dichloroethene (total)	0.25 U	0.50	0.25	0.10	ug/l	
75-09-2	Methylene Chloride	0.50 U	2.0	0.50	0.50	ug/l	
127-18-4	Tetrachloroethylene	0.25 U	0.50	0.25	0.10	ug/l	
79-01-6	Trichloroethylene	0.25 U	0.50	0.25	0.10	ug/l	
75-01-4	Vinyl Chloride	0.10 U	0.10	0.10	0.050	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
17060-07-0	1,2-Dichloroethane-D4	105%		74-125%
2037-26-5	Toluene-D8	98%		88-111%

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

4.22
4

SGS North America Inc.

Report of Analysis

Page 1 of 1

Client Sample ID:	2434W0BW157F	Date Sampled:	08/19/24
Lab Sample ID:	FC18261-23	Date Received:	08/22/24
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8260D BY SIM		
Project:	Fort Ord Groundwater Monitoring		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	Z76627.D	1	08/28/24 18:47	CS	n/a	n/a	VZ3085
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA Special List

CAS No.	Compound	Result	LOQ	LOD	DL	Units	Q
56-23-5	Carbon Tetrachloride	0.25 U	0.50	0.25	0.10	ug/l	
67-66-3	Chloroform	0.25 U	0.50	0.25	0.10	ug/l	
75-35-4	1,1-Dichloroethylene	0.25 U	0.50	0.25	0.10	ug/l	
540-59-0	1,2-Dichloroethene (total)	0.25 U	0.50	0.25	0.10	ug/l	
75-09-2	Methylene Chloride	0.50 U	2.0	0.50	0.50	ug/l	
127-18-4	Tetrachloroethylene	0.25 U	0.50	0.25	0.10	ug/l	
79-01-6	Trichloroethylene	0.25 U	0.50	0.25	0.10	ug/l	
75-01-4	Vinyl Chloride	0.45	0.10	0.10	0.050	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
17060-07-0	1,2-Dichloroethane-D4	105%		74-125%
2037-26-5	Toluene-D8	98%		88-111%

U = Not detected

LOD = Limit of Detection

J = Indicates an estimated value

LOQ = Limit of Quantitation

DL = Detection Limit

B = Indicates analyte found in associated method blank

E = Indicates value exceeds calibration range

N = Indicates presumptive evidence of a compound

SGS North America Inc.

Report of Analysis

Page 1 of 1

Client Sample ID: 2434W0BW158F	
Lab Sample ID: FC18261-24	Date Sampled: 08/19/24
Matrix: AQ - Ground Water	Date Received: 08/22/24
Method: SW846 8260D BY SIM	Percent Solids: n/a
Project: Fort Ord Groundwater Monitoring	

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	Z76628.D	1	08/28/24 19:10	CS	n/a	n/a	VZ3085
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA Special List

CAS No.	Compound	Result	LOQ	LOD	DL	Units	Q
56-23-5	Carbon Tetrachloride	1.1	0.50	0.25	0.10	ug/l	
67-66-3	Chloroform	0.14	0.50	0.25	0.10	ug/l	J
75-35-4	1,1-Dichloroethylene	0.25 U	0.50	0.25	0.10	ug/l	
540-59-0	1,2-Dichloroethene (total)	0.25 U	0.50	0.25	0.10	ug/l	
75-09-2	Methylene Chloride	0.50 U	2.0	0.50	0.50	ug/l	
127-18-4	Tetrachloroethylene	0.25 U	0.50	0.25	0.10	ug/l	
79-01-6	Trichloroethylene	0.25 U	0.50	0.25	0.10	ug/l	
75-01-4	Vinyl Chloride	0.10 U	0.10	0.10	0.050	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
17060-07-0	1,2-Dichloroethane-D4	106%		74-125%
2037-26-5	Toluene-D8	98%		88-111%

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

4.24
 4

Misc. Forms

Custody Documents and Other Forms

Includes the following where applicable:

- Chain of Custody
- QC Evaluation: DOD QSM5.x Limits

Ahtna CADS3409

FC18261

Page 1 of 5

Chain-of-Custody / Analytical Request Document
Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed and accurate

Cooler No.: _____ of _____
COC No: 240819-OUCTP A-1
Task Desc: FFO2024Q3_Team1234

Lab Name: SGS North America Inc. - Orlando	Site ID #: FFORD	Sampler: 1741467	Filtered Preserve HCL Analysis SW8260D
Lab Address:	Project #: 21187.001.01.0000	Sampling Company: AHTNA	
Lab PM: Elvin Kumar	Site Address: Marina, CA	Sampling Company Phone: 8312875250	
Lab Phone/Fax: (407) 425-6700	Site PM Name: Derek Lieberman	Sampling Team Number: Team 1	
Lab PM Email:	Site PM Email: dlieberman@ahtna.net	Reimbursable Project?	
Applicable Lab Quote:	Turnaround Time: 10 Business Days	Send EDD/Hard Copy To: Labs@ahtna.net dlieberman@ahtna.net	

Items No.	Sample ID	Sample Location	Matrix	Depth	Geomat C-Comp	Sample Type	Sample Date Time	# of Containers	Comments Lab I.D.												
1	24340BW0211A		WQ		G	TB1	08/19/2024 09:00	2													X
2	2434X0BW037F		WG	44 - 44 ft bloc	G	NS1	08/19/2024 09:32	3	pH=6.15.												X
3	2434X0BW181F		WG	59 - 59 ft bloc	G	NS1	08/19/2024 09:38	3	pH=6.11.												X
4	2434X0BW033F		WG	39 - 39 ft bloc	G	NS1	08/19/2024 10:50	3													X
5	2434X0BW180F		WG	54 - 54 ft bloc	G	NS1	08/19/2024 10:58	3													X
6	2434X0BW044F		WG	44 - 44 ft bloc	G	NS1	08/19/2024 11:25	3													X

INITIAL ASSESSMENT ZB
LABEL VERIFICATION [Signature]

VJ 8/20

Sample Reason:	RELINQUISHED BY / AFFILIATION	Date Time	ACCEPTED BY / AFFILIATION	Date Time	Sample Receipt Conditions				
Additional Comments/Special Instructions: <i>OUCTP-A</i>	<i>ESB / Blanc Tech Sancer</i>	<i>8/19/24 1733</i>	<i>[Signature] / Ahtna S</i>	<i>8/19/24 1733</i>	<input type="checkbox"/> Yes	<input type="checkbox"/> Yes	<input type="checkbox"/> Yes	<input type="checkbox"/> Yes	
	<i>[Signature] / Ahtna</i>	<i>8/20/24 1800</i>	<i>[Signature]</i>	<i>8/20/24 1800</i>	<input type="checkbox"/> Yes	<input type="checkbox"/> Yes	<input type="checkbox"/> Yes	<input type="checkbox"/> Yes	
	<i>[Signature]</i>	<i>8/20/24 1530</i>	<i>[Signature]</i>	<i>8/20/24 1530</i>	<input type="checkbox"/> Yes	<input type="checkbox"/> Yes	<input type="checkbox"/> Yes	<input type="checkbox"/> Yes	
			<i>[Signature]</i>	<i>8/22/24 930</i>	<input type="checkbox"/> Yes	<input type="checkbox"/> Yes	<input type="checkbox"/> Yes	<input type="checkbox"/> Yes	
	SHIPPING METHOD: (mark as appropriate)		SAMPLER NAME AND SIGNATURE		Date Time	Temperature in °C	Sample on Ice?	Sample Intact?	Trip Blank?

4.2 JK#1

CAD53409
Ahtna

FC18261 Page 2 of 15
18
8/20

Chain-of-Custody / Analytical Request Document
Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed and accurate

Cooler No.: _____ of _____
COC No: 240819-OUCTP A-1
Task Desc: FFO2024Q3_Team1234

Lab Name: SGS North America Inc. - Orlando	Site ID #: FFORD	Sampler: 1741467	Filtered	HCL
Lab Address:	Project #: 21187.001.01.0000	Sampling Company: AHTNA		
Lab PM: Elvin Kumar	Site Address: Marina, CA	Sampling Company Phone: 8312875250		
Lab Phone/Fax: (407) 425-6700	Site PM Name: Derek Lieberman	Sampling Team Number: Team 1	Preserve	SW8260D
Lab PM Email:	Site Phone/Fax:	Reimbursable Project?		
Applicable Lab Quote:	Site PM Email: dlieberman@ahтна.net	Send EDD/Hard Copy To: Labs@ahтна.net dlieberman@ahтна.net	Analysis	
Turnaround Time: 10 Business Days	Turnaround Standard: Standard			

Items No.	Sample ID	Sample Location	Matrix	Depth	Geom. C-Comp.	Sample Type	Sample Date Time	# of Containers	Comments Lab I.D.											
6 7	2434X0BW187F		WG	49 - 49 ft btoc	G	NS1	08/19/2024 11:26	3			X									
7 8	2434X0BW065D		WG	49 - 49 ft btoc	G	FD1	08/19/2024 11:28	3			X									
8 9	2434X0BW032F		WG	43 - 43 ft btoc	G	NS1	08/19/2024 11:56	3			X									
9 10	2434X0BW047F		WG	25 - 25 ft btoc	G	NS1	08/19/2024 13:10	3			X									
10 11	2434X0BW189F		WG	45 - 45 ft btoc	G	NS1	08/19/2024 13:18	3			X									
11 12	2434X0BW046F		WG	32 - 32 ft btoc	G	NS1	08/19/2024 13:46	3			X									

18
8/20

Sample Reason:	RELINQUISHED BY / AFFILIATION	Date Time	ACCEPTED BY / AFFILIATION	Date Time	Sample Receipt Conditions			
Additional Comments/Special Instructions: OUCTP - A	<i>SGS / Blaine Tech Services</i>	<i>8/19/24 17:34</i>	<i>SGS / Ahtna</i>	<i>8/19/24 17:33</i>	<input type="checkbox"/> Yes	<input type="checkbox"/> Yes	<input type="checkbox"/> Yes	<input type="checkbox"/> Yes
	<i>SGS / Ahtna</i>	<i>8-20-24 08:55</i>	<i>Lee Barz SGS</i>	<i>8/20/24 1:00</i>	<input type="checkbox"/> Yes	<input type="checkbox"/> Yes	<input type="checkbox"/> Yes	<input type="checkbox"/> Yes
	<i>Lee Barz SGS</i>	<i>8/20/24 1:20</i>	<i>FOOX</i>	<i>8/20/24 1:50</i>	<input type="checkbox"/> Yes	<input type="checkbox"/> Yes	<input type="checkbox"/> Yes	<input type="checkbox"/> Yes
			<i>A/C</i>	<i>08/20/24 9:30</i>	<input type="checkbox"/> Yes	<input type="checkbox"/> Yes	<input type="checkbox"/> Yes	<input type="checkbox"/> Yes
	SHIPPING METHOD: (mark as appropriate)		SAMPLER NAME AND SIGNATURE	Date Time	Temperature in °C	Sample on Ice?	Sample Intact?	Trip Blank?

5.1
5

Ahtna CAD53409

FC18261 Page 3 of 6 ²⁰

Chain-of-Custody / Analytical Request Document
 Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed and accurate

Cooler No.:	of
COC No: 240819-OUCTP A-1	
Task Desc: FFO2024Q3_Team1234	

Lab Name: SGS North America Inc. - Orlando	Site ID #: FFORD	Sampler: 1741467	Filtered
Lab Address:	Project #: 21187.001.01.0000	Sampling Company: AHTNA	
Lab PM: Elvin Kumar	Site Address: Marina, CA	9001 West Markspur In Ste 201 Monterey,	Preserve HCL
Lab Phone/Fax: (407) 425-6700	Site PM Name: Derek Lieberman	Sampling Company Phone: 8312875250	
Lab PM Email:	Site Phone/Fax:	Sampling Team Number: Team 1	Analysis SW8260D
Applicable Lab Quote:	Site PM Email: dlieberman@ahna.net	Reimbursable Project?	
Turnaround Time: 10 Business Days	Turnaround Standard: Standard	Send EDD/Hard Copy To: Labs@ahna.net dlieberman@ahna.net	

Items No.	Sample ID	Sample Location	Matrix	Depth	G-Grab C-Comp	Sample Type	Sample Date Time	# of Containers	Comments Lab I.D.											
12 13	2434X0BW188F		WG	52 - 52 ft btoc	G	NS1	08/19/2024 13:48	3												X
13 14	2434X0BW045F		WG	63 - 63 ft btoc	G	NS1	08/19/2024 14:23	3												X
14 15	2434X0BW041F		WG	77 - 77 ft btoc	G	NS1	08/19/2024 15:07	3												X
15 16	2434X0BW184F		WG	87 - 87 ft btoc	G	NS1	08/19/2024 15:08	3												X
16 17	2434X0BW042F		WG	59 - 59 ft btoc	G	NS1	08/19/2024 15:34	3												X
17 18	2434X0BW185F		WG	79 - 79 ft btoc	G	NS1	08/19/2024 15:39	3												X

Sample Reason:	RELINQUISHED BY / AFFILIATION	Date Time	ACCEPTED BY / AFFILIATION	Date Time	Sample Receipt Conditions					
Additional Comments/Special Instructions: OUCTP - A	<i>EJP / Blanc tech Semars</i>	<i>8/19/24 17:34</i>	<i>S-R / Ahtna</i>	<i>8-19-24 17:34</i>	<input type="checkbox"/> Yes	<input type="checkbox"/> Yes	<input type="checkbox"/> Yes	<input type="checkbox"/> Yes		
	<i>S-R / Ahtna</i>	<i>8-20-24 08:00</i>	<i>Lee Boz SGS</i>	<i>8/20/24</i>	<input type="checkbox"/> No	<input type="checkbox"/> No	<input type="checkbox"/> No	<input type="checkbox"/> No		
	<i>Lee Boz SGS</i>	<i>8/20/24 15:00</i>	<i>FEORR</i>	<i>8/20/24 15:00</i>	<input type="checkbox"/> Yes	<input type="checkbox"/> Yes	<input type="checkbox"/> Yes	<input type="checkbox"/> Yes		
			<i>J/C</i>	<i>08/22/24 930</i>	<input type="checkbox"/> No	<input type="checkbox"/> Yes	<input type="checkbox"/> Yes	<input type="checkbox"/> Yes		
	SHIPPING METHOD: (mark as appropriate)		SAMPLER NAME AND SIGNATURE		Date Time		Temperature in °C	Sample on Ice?	Sample Intact?	Trip Blank?

Ahtna

CADS3409

FC18261

Cooler No.:		of	
COC No: 240819-OUCTP A-1			
Task Desc: FFO2024Q3_Team1234			

Chain-of-Custody / Analytical Request Document
Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed and accurate

Lab Name: SGS North America Inc. - Orlando	Site ID #: FFORD	Sampler: 1741467	Filtered																
Lab Address: SGS North America Inc. - Orlando	Project #: 21187.001.01.0000	Sampling Company: AHTNA																	
Lab PM: Elvin Kumar	Site Address: Marina, CA	Sampling Company Phone: 8312875250																	
Lab Phone/Fax: (407) 425-6700	Site PM Name: Derek Lieberman	Sampling Team Number: Team 1																	
Lab PM Email: elvin.kumar@sgs.com	Site Phone/Fax: 949.852.1111	Reimbursable Project? No	Preserve	HCL															
Applicable Lab Quote: 10 Business Days	Site PM Email: dlieberman@ahntna.net	Send EDD/Hard Copy To: Labs@ahntna.net dlieberman@ahntna.net	Analysis	SW6260D															
Turnaround Time: 10 Business Days	Turnaround Standard: Standard																		
Items No.	Sample ID	Sample Location	Matrix	Depth	G-Grab	C-Comp	Sample Type	Sample Date Time	# of Containers	Comments Lab I.D.									
19	24340BWX194C		WQ		G		FB1	08/19/2024 15:56	3										X

18/9/20

Sample Reason:	RELINQUISHED BY / AFFILIATION	Date Time	ACCEPTED BY / AFFILIATION	Date Time	Sample Receipt Conditions			
Additional Comments/Special Instructions: <i>OUCTP-A</i>	<i>SGS / Blum Tech Services</i>	<i>8/19/24 17:34</i>	<i>SGS / Ahtna</i>	<i>8-19-24 17:34</i>	<input type="checkbox"/> Yes	<input type="checkbox"/> Yes	<input type="checkbox"/> Yes	<input type="checkbox"/> Yes
	<i>SGS / Ahtna</i>	<i>8-20-24 08:00</i>	<i>Lieberman SGS</i>	<i>8/20/24 12:00</i>	<input type="checkbox"/> Yes	<input type="checkbox"/> Yes	<input type="checkbox"/> Yes	<input type="checkbox"/> Yes
	<i>Lieberman SGS</i>	<i>8/20/24 15:00</i>	<i>FOEX</i>	<i>8/20/24 15:00</i>	<input type="checkbox"/> Yes	<input type="checkbox"/> Yes	<input type="checkbox"/> Yes	<input type="checkbox"/> Yes
			<i>A/C</i>	<i>08/22/24 930</i>	<input type="checkbox"/> Yes	<input type="checkbox"/> Yes	<input type="checkbox"/> Yes	<input type="checkbox"/> Yes
	SHIPPING METHOD: (mark as appropriate)		SAMPLER NAME AND SIGNATURE					
					Temperature in °C	Sample on Ice?	Sample Intact?	Trip Blank?

FC18261: Chain of Custody



5.1
5

CADS3409
Ahtna

FC18261 Page 5 of 5
15/20

Chain-of-Custody / Analytical Request Document
Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed and accurate

Cooler No.: _____ of _____
COC No: 240819-OUCTP A-3
Task Desc: FFO2024Q3_Team1234

Lab Name: SGS North America Inc. - Orlando	Site ID #: FFORD	Sampler: 1741469	Filtered	Preserve	HCL	Analysis	SW6260D
Lab Address:	Project #: 21187.001.01.0000	Sampling Company: Ahtna					
Lab PM: Elvin Kumar	Site Address: FFO, Marina, CA 93933	Sampling Company Phone: 831-287-5250	Reimbursable Project?				
Lab Phone/Fax: (407) 425-6700	Site PM Name: Derek Lieberman	Sampling Team Number: 5					
Lab PM Email:	Site PM Email: dlieberman@ahntna.net	Send EDD/Hard Copy To: labs@ahntna.net; dlieberman@ahntna.net					
Applicable Lab Quote:	Turnaround Standard: Standard						
Turnaround Time: 10 Business Days							

Items No.	Sample ID	Sample Location	Matrix	Depth	G-Grab	Sample Type	Sample Date Time	# of Containers	Comments Lab I.D.	
1 20	2434W0BW218A		WQ		G	TB1	08/19/2024 13:55	2		X
2 21	2434W0BW160F		WG	88 - 88 ft btoc	G	NS1	08/19/2024 14:06	3		X
3 22	2434W0BW201C		WQ		G	FB1	08/19/2024 14:13	3		X
4 23	2434W0BW157F		WG	102.4 - 102.4 ft btoc	G	NS1	08/19/2024 15:35	3		X
5 24	2434W0BW158F		WG	92.05 - 92.05 ft btoc	G	NS1	08/19/2024 15:50	3		X

LB 9/20

Sample Reason:	RELINQUISHED BY / AFFILIATION	Date Time	ACCEPTED BY / AFFILIATION	Date Time	Sample Receipt Conditions			
Additional Comments/Special Instructions: OUCTP - A	<i>T Blainetech</i>	<i>08/19/24 1630</i>	<i>S. [Signature]</i>	<i>08/19/24 1630</i>	<input type="checkbox"/> Yes	<input type="checkbox"/> Yes	<input type="checkbox"/> Yes	<input type="checkbox"/> Yes
	<i>[Signature]</i>	<i>08/19/24 1630</i>	<i>Lee Bara</i>	<i>08/19/24 1630</i>	<input type="checkbox"/> Yes	<input type="checkbox"/> Yes	<input type="checkbox"/> Yes	<input type="checkbox"/> Yes
	<i>Lee Bara</i>	<i>08/19/24 1550</i>	<i>FEDEX</i>	<i>08/22/24 930</i>	<input type="checkbox"/> Yes	<input type="checkbox"/> Yes	<input type="checkbox"/> Yes	<input type="checkbox"/> Yes
					<input type="checkbox"/> No	<input type="checkbox"/> No	<input type="checkbox"/> No	<input type="checkbox"/> No
	SHIPPING METHOD: (mark as appropriate)		SAMPLER NAME AND SIGNATURE		Date Time			
					Temperature in °C	Sample on Ice?	Sample Intact?	Trip Blank?

5.1
5

SGS - Orlando Sample Receipt Summary

Job Number: fc18261

Client: AHTNA

Project: OUCTP-A FFO2024Q3

Date / Time Received: 8/22/2024 9:30:00 AM

Delivery Method: FEDEX

Airbill #s: 778109269325

Cooler Temps (Raw Measured) °C: Cooler 1: (4.2);

Cooler Temps (Corrected) °C: Cooler 1: (4.0);

Cooler Informatio

Y or N

- 1. Custody Seals Present:
- 2. Custody Seals Intact:
- 3. Temp criteria achieved:
- 4. Cooler temp verification: IR Gun
- 5. Cooler media: Ice (Bag)

Trip Blank Information

Y or N N/A

- 1. Trip Blank present / cooler:
- 2. Trip Blank listed on COC:

W or S N/A

- 3. Type of TB Received

Sample Information

Y or N N/A

- 1. Sample labels present on bottles:
- 2. Samples presented properly:
- 3. Sufficient volume/containers recv'd for analysi:
- 4. Condition of sample: Intact
- 5. Sample recv'd within HT:
- 6. Dates/Times/IDs on COC match sample labe:
- 7. VOCs have headspace:
- 8. Bottles received for unspecified tests:
- 9. Compositing instructions clear:
- 10. Voa Soil Kits/Jars received past 48hrs?:
- 11. % Solids Jar Received?:
- 12. Residual Chlorine Present?:

Misc Information

Number of Encores: 25 Gram 5 Gram Number of Lab Filtered Metals
 Test Strip Lot #: pH 0-3: 226422 pH 10-12: _____ Other: (Specify) pH 1.0 - 12.0 222221
 Residual Chlorine Test Strip Lot: _____

Comments

Sample Receipt Summary 112723 EK Technician: SHAYLAP Date: 8/22/24 9:30:00 AM Reviewer: ZB Date: 08/22/24

FC18261: Chain of Custody

Page 6 of 6



5.1
5

QC Evaluation: DOD QSM5.x Limits

Job Number: FC18261
Account: Ahtna Global, LLC
Project: Fort Ord Groundwater Monitoring
Collected: 08/19/24

QC Sample ID	CAS#	Analyte	Sample Type	Result Type	Result	Units	Limits
VN6708 SW846 8260D BY SIM							
VN6708-BS	56-23-5	Carbon Tetrachloride	BSP	REC	94	%	72-136
VN6708-BS	67-66-3	Chloroform	BSP	REC	100	%	79-124
VN6708-BS	75-35-4	1,1-Dichloroethylene	BSP	REC	102	%	71-131
VN6708-BS	540-59-0	1,2-Dichloroethene (total)	BSP	REC	109	%	79-121
VN6708-BS	75-09-2	Methylene Chloride	BSP	REC	106	%	74-124
VN6708-BS	127-18-4	Tetrachloroethylene	BSP	REC	114	%	74-129
VN6708-BS	79-01-6	Trichloroethylene	BSP	REC	100	%	79-123
VN6708-BS	75-01-4	Vinyl Chloride	BSP	REC	102	%	58-137
VN6708-BS	17060-07-0	1,2-Dichloroethane-D4	BSP	SURR	88	%	81-118
VN6708-BS	2037-26-5	Toluene-D8	BSP	SURR	109	%	89-112
FC18259-1MS*	56-23-5	Carbon Tetrachloride	MS	REC	102	%	72-136
FC18259-1MS*	67-66-3	Chloroform	MS	REC	118	%	79-124
FC18259-1MS*	75-35-4	1,1-Dichloroethylene	MS	REC	116	%	71-131
FC18259-1MS*	540-59-0	1,2-Dichloroethene (total)	MS	REC	115	%	79-121
FC18259-1MS*	75-09-2	Methylene Chloride	MS	REC	134	%	74-124
FC18259-1MS*	127-18-4	Tetrachloroethylene	MS	REC	121	%	74-129
FC18259-1MS*	79-01-6	Trichloroethylene	MS	REC	107	%	79-123
FC18259-1MS*	75-01-4	Vinyl Chloride	MS	REC	108	%	58-137
FC18259-1MS*	17060-07-0	1,2-Dichloroethane-D4	MS	SURR	102	%	81-118
FC18259-1MS*	2037-26-5	Toluene-D8	MS	SURR	104	%	89-112
FC18259-1MSD*	56-23-5	Carbon Tetrachloride	MSD	REC	100	%	72-136
FC18259-1MSD*	56-23-5	Carbon Tetrachloride	MSD	RPD	2	%	20
FC18259-1MSD*	67-66-3	Chloroform	MSD	REC	112	%	79-124
FC18259-1MSD*	67-66-3	Chloroform	MSD	RPD	5	%	20
FC18259-1MSD*	75-35-4	1,1-Dichloroethylene	MSD	REC	112	%	71-131
FC18259-1MSD*	75-35-4	1,1-Dichloroethylene	MSD	RPD	4	%	20
FC18259-1MSD*	540-59-0	1,2-Dichloroethene (total)	MSD	REC	109	%	79-121
FC18259-1MSD*	540-59-0	1,2-Dichloroethene (total)	MSD	RPD	5	%	20
FC18259-1MSD*	75-09-2	Methylene Chloride	MSD	REC	128	%	74-124
FC18259-1MSD*	75-09-2	Methylene Chloride	MSD	RPD	5	%	20
FC18259-1MSD*	127-18-4	Tetrachloroethylene	MSD	REC	99	%	74-129
FC18259-1MSD*	127-18-4	Tetrachloroethylene	MSD	RPD	18	%	20
FC18259-1MSD*	79-01-6	Trichloroethylene	MSD	REC	101	%	79-123
FC18259-1MSD*	79-01-6	Trichloroethylene	MSD	RPD	5	%	20
FC18259-1MSD*	75-01-4	Vinyl Chloride	MSD	REC	96	%	58-137
FC18259-1MSD*	75-01-4	Vinyl Chloride	MSD	RPD	12	%	20
FC18259-1MSD*	17060-07-0	1,2-Dichloroethane-D4	MSD	SURR	101	%	81-118
FC18259-1MSD*	2037-26-5	Toluene-D8	MSD	SURR	91	%	89-112
VN6708-MB	17060-07-0	1,2-Dichloroethane-D4	MB	SURR	94	%	81-118
VN6708-MB	2037-26-5	Toluene-D8	MB	SURR	109	%	89-112
FC18261-1	17060-07-0	1,2-Dichloroethane-D4	SAMP	SURR	95	%	81-118
FC18261-1	2037-26-5	Toluene-D8	SAMP	SURR	110	%	89-112

* Sample used for QC is not from job FC18261

5.2
5

QC Evaluation: DOD QSM5.x Limits

Job Number: FC18261
Account: Ahtna Global, LLC
Project: Fort Ord Groundwater Monitoring
Collected: 08/19/24

QC Sample ID	CAS#	Analyte	Sample Type	Result Type	Result	Units	Limits
FC18261-2	17060-07-0	1,2-Dichloroethane-D4	SAMP	SURR	99	%	81-118
FC18261-2	2037-26-5	Toluene-D8	SAMP	SURR	107	%	89-112
FC18261-3	17060-07-0	1,2-Dichloroethane-D4	SAMP	SURR	99	%	81-118
FC18261-3	2037-26-5	Toluene-D8	SAMP	SURR	107	%	89-112
FC18261-4	17060-07-0	1,2-Dichloroethane-D4	SAMP	SURR	101	%	81-118
FC18261-4	2037-26-5	Toluene-D8	SAMP	SURR	107	%	89-112
FC18261-5	17060-07-0	1,2-Dichloroethane-D4	SAMP	SURR	101	%	81-118
FC18261-5	2037-26-5	Toluene-D8	SAMP	SURR	107	%	89-112
FC18261-6	17060-07-0	1,2-Dichloroethane-D4	SAMP	SURR	103	%	81-118
FC18261-6	2037-26-5	Toluene-D8	SAMP	SURR	108	%	89-112
FC18261-7	17060-07-0	1,2-Dichloroethane-D4	SAMP	SURR	103	%	81-118
FC18261-7	2037-26-5	Toluene-D8	SAMP	SURR	107	%	89-112
FC18261-8	17060-07-0	1,2-Dichloroethane-D4	SAMP	SURR	105	%	81-118
FC18261-8	2037-26-5	Toluene-D8	SAMP	SURR	106	%	89-112
FC18261-9	17060-07-0	1,2-Dichloroethane-D4	SAMP	SURR	107	%	81-118
FC18261-9	2037-26-5	Toluene-D8	SAMP	SURR	105	%	89-112
FC18261-10	17060-07-0	1,2-Dichloroethane-D4	SAMP	SURR	107	%	81-118
FC18261-10	2037-26-5	Toluene-D8	SAMP	SURR	106	%	89-112
FC18261-11	17060-07-0	1,2-Dichloroethane-D4	SAMP	SURR	108	%	81-118
FC18261-11	2037-26-5	Toluene-D8	SAMP	SURR	105	%	89-112
FC18261-12	17060-07-0	1,2-Dichloroethane-D4	SAMP	SURR	109	%	81-118
FC18261-12	2037-26-5	Toluene-D8	SAMP	SURR	104	%	89-112
FC18261-13	17060-07-0	1,2-Dichloroethane-D4	SAMP	SURR	110	%	81-118
FC18261-13	2037-26-5	Toluene-D8	SAMP	SURR	104	%	89-112
FC18261-14	17060-07-0	1,2-Dichloroethane-D4	SAMP	SURR	109	%	81-118
FC18261-14	2037-26-5	Toluene-D8	SAMP	SURR	105	%	89-112
FC18261-15	17060-07-0	1,2-Dichloroethane-D4	SAMP	SURR	110	%	81-118
FC18261-15	2037-26-5	Toluene-D8	SAMP	SURR	104	%	89-112
FC18261-16	17060-07-0	1,2-Dichloroethane-D4	SAMP	SURR	111	%	81-118
FC18261-16	2037-26-5	Toluene-D8	SAMP	SURR	103	%	89-112
VN6711	SW846 8260D BY SIM						
VN6711-BS	56-23-5	Carbon Tetrachloride	BSP	REC	94	%	72-136
VN6711-BS	67-66-3	Chloroform	BSP	REC	104	%	79-124
VN6711-BS	75-35-4	1,1-Dichloroethylene	BSP	REC	98	%	71-131
VN6711-BS	540-59-0	1,2-Dichloroethene (total)	BSP	REC	110	%	79-121
VN6711-BS	75-09-2	Methylene Chloride	BSP	REC	186	%	74-124
VN6711-BS	127-18-4	Tetrachloroethylene	BSP	REC	116	%	74-129
VN6711-BS	79-01-6	Trichloroethylene	BSP	REC	104	%	79-123
VN6711-BS	75-01-4	Vinyl Chloride	BSP	REC	128	%	58-137
VN6711-BS	17060-07-0	1,2-Dichloroethane-D4	BSP	SURR	96	%	81-118
VN6711-BS	2037-26-5	Toluene-D8	BSP	SURR	105	%	89-112
FC18256-4MS*	56-23-5	Carbon Tetrachloride	MS	REC	93	%	72-136
FC18256-4MS*	67-66-3	Chloroform	MS	REC	113	%	79-124

* Sample used for QC is not from job FC18261

5.2
5

QC Evaluation: DOD QSM5.x Limits

Job Number: FC18261
Account: Ahtna Global, LLC
Project: Fort Ord Groundwater Monitoring
Collected: 08/19/24

QC Sample ID	CAS#	Analyte	Sample Type	Result Type	Result	Units	Limits
FC18256-4MS*	75-35-4	1,1-Dichloroethylene	MS	REC	101	%	71-131
FC18256-4MS*	540-59-0	1,2-Dichloroethene (total)	MS	REC	110	%	79-121
FC18256-4MS*	75-09-2	Methylene Chloride	MS	REC	119	%	74-124
FC18256-4MS*	127-18-4	Tetrachloroethylene	MS	REC	79	%	74-129
FC18256-4MS*	79-01-6	Trichloroethylene	MS	REC	106	%	79-123
FC18256-4MS*	75-01-4	Vinyl Chloride	MS	REC	110	%	58-137
FC18256-4MS*	17060-07-0	1,2-Dichloroethane-D4	MS	SURR	107	%	81-118
FC18256-4MS*	2037-26-5	Toluene-D8	MS	SURR	102	%	89-112
FC18256-4MSD*	56-23-5	Carbon Tetrachloride	MSD	REC	87	%	72-136
FC18256-4MSD*	56-23-5	Carbon Tetrachloride	MSD	RPD	7	%	20
FC18256-4MSD*	67-66-3	Chloroform	MSD	REC	102	%	79-124
FC18256-4MSD*	67-66-3	Chloroform	MSD	RPD	10	%	20
FC18256-4MSD*	75-35-4	1,1-Dichloroethylene	MSD	REC	93	%	71-131
FC18256-4MSD*	75-35-4	1,1-Dichloroethylene	MSD	RPD	8	%	20
FC18256-4MSD*	540-59-0	1,2-Dichloroethene (total)	MSD	REC	103	%	79-121
FC18256-4MSD*	540-59-0	1,2-Dichloroethene (total)	MSD	RPD	6	%	20
FC18256-4MSD*	75-09-2	Methylene Chloride	MSD	REC	111	%	74-124
FC18256-4MSD*	75-09-2	Methylene Chloride	MSD	RPD	5	%	20
FC18256-4MSD*	127-18-4	Tetrachloroethylene	MSD	REC	38	%	74-129
FC18256-4MSD*	127-18-4	Tetrachloroethylene	MSD	RPD	19	%	20
FC18256-4MSD*	79-01-6	Trichloroethylene	MSD	REC	94	%	79-123
FC18256-4MSD*	79-01-6	Trichloroethylene	MSD	RPD	11	%	20
FC18256-4MSD*	75-01-4	Vinyl Chloride	MSD	REC	104	%	58-137
FC18256-4MSD*	75-01-4	Vinyl Chloride	MSD	RPD	5	%	20
FC18256-4MSD*	17060-07-0	1,2-Dichloroethane-D4	MSD	SURR	104	%	81-118
FC18256-4MSD*	2037-26-5	Toluene-D8	MSD	SURR	92	%	89-112
VN6711-MB	17060-07-0	1,2-Dichloroethane-D4	MB	SURR	106	%	81-118
VN6711-MB	2037-26-5	Toluene-D8	MB	SURR	106	%	89-112
FC18261-18	17060-07-0	1,2-Dichloroethane-D4	SAMP	SURR	111	%	81-118
FC18261-18	2037-26-5	Toluene-D8	SAMP	SURR	103	%	89-112
VZ3083 SW846 8260D BY SIM							
VZ3083-BS	56-23-5	Carbon Tetrachloride	BSP	REC	98	%	72-136
VZ3083-BS	67-66-3	Chloroform	BSP	REC	100	%	79-124
VZ3083-BS	75-35-4	1,1-Dichloroethylene	BSP	REC	106	%	71-131
VZ3083-BS	540-59-0	1,2-Dichloroethene (total)	BSP	REC	110	%	79-121
VZ3083-BS	75-09-2	Methylene Chloride	BSP	REC	122	%	74-124
VZ3083-BS	127-18-4	Tetrachloroethylene	BSP	REC	118	%	74-129
VZ3083-BS	79-01-6	Trichloroethylene	BSP	REC	110	%	79-123
VZ3083-BS	75-01-4	Vinyl Chloride	BSP	REC	92	%	58-137
VZ3083-BS	17060-07-0	1,2-Dichloroethane-D4	BSP	SURR	83	%	81-118
VZ3083-BS	2037-26-5	Toluene-D8	BSP	SURR	102	%	89-112
FC18153-14MS*	56-23-5	Carbon Tetrachloride	MS	REC	116	%	72-136
FC18153-14MS*	67-66-3	Chloroform	MS	REC	114	%	79-124

* Sample used for QC is not from job FC18261

QC Evaluation: DOD QSM5.x Limits

Job Number: FC18261
Account: Ahtna Global, LLC
Project: Fort Ord Groundwater Monitoring
Collected: 08/19/24

QC Sample ID	CAS#	Analyte	Sample Type	Result Type	Result	Units	Limits
FC18153-14MS*	75-35-4	1,1-Dichloroethylene	MS	REC	115	%	71-131
FC18153-14MS*	540-59-0	1,2-Dichloroethene (total)	MS	REC	109	%	79-121
FC18153-14MS*	75-09-2	Methylene Chloride	MS	REC	115	%	74-124
FC18153-14MS*	127-18-4	Tetrachloroethylene	MS	REC	110	%	74-129
FC18153-14MS*	79-01-6	Trichloroethylene	MS	REC	109	%	79-123
FC18153-14MS*	75-01-4	Vinyl Chloride	MS	REC	110	%	58-137
FC18153-14MS*	17060-07-0	1,2-Dichloroethane-D4	MS	SURR	106	%	81-118
FC18153-14MS*	2037-26-5	Toluene-D8	MS	SURR	89	%	89-112
FC18153-14MSD*	56-23-5	Carbon Tetrachloride	MSD	REC	117	%	72-136
FC18153-14MSD*	56-23-5	Carbon Tetrachloride	MSD	RPD	1	%	20
FC18153-14MSD*	67-66-3	Chloroform	MSD	REC	116	%	79-124
FC18153-14MSD*	67-66-3	Chloroform	MSD	RPD	1	%	20
FC18153-14MSD*	75-35-4	1,1-Dichloroethylene	MSD	REC	119	%	71-131
FC18153-14MSD*	75-35-4	1,1-Dichloroethylene	MSD	RPD	4	%	20
FC18153-14MSD*	540-59-0	1,2-Dichloroethene (total)	MSD	REC	115	%	79-121
FC18153-14MSD*	540-59-0	1,2-Dichloroethene (total)	MSD	RPD	5	%	20
FC18153-14MSD*	75-09-2	Methylene Chloride	MSD	REC	125	%	74-124
FC18153-14MSD*	75-09-2	Methylene Chloride	MSD	RPD	9	%	20
FC18153-14MSD*	127-18-4	Tetrachloroethylene	MSD	REC	114	%	74-129
FC18153-14MSD*	127-18-4	Tetrachloroethylene	MSD	RPD	3	%	20
FC18153-14MSD*	79-01-6	Trichloroethylene	MSD	REC	112	%	79-123
FC18153-14MSD*	79-01-6	Trichloroethylene	MSD	RPD	2	%	20
FC18153-14MSD*	75-01-4	Vinyl Chloride	MSD	REC	111	%	58-137
FC18153-14MSD*	75-01-4	Vinyl Chloride	MSD	RPD	1	%	20
FC18153-14MSD*	17060-07-0	1,2-Dichloroethane-D4	MSD	SURR	102	%	81-118
FC18153-14MSD*	2037-26-5	Toluene-D8	MSD	SURR	92	%	89-112
VZ3083-MB	17060-07-0	1,2-Dichloroethane-D4	MB	SURR	101	%	81-118
VZ3083-MB	2037-26-5	Toluene-D8	MB	SURR	108	%	89-112
FC18261-17	17060-07-0	1,2-Dichloroethane-D4	SAMP	SURR	116	%	81-118
FC18261-17	2037-26-5	Toluene-D8	SAMP	SURR	104	%	89-112
FC18261-18	17060-07-0	1,2-Dichloroethane-D4	SAMP	SURR	120 ^a	%	81-118
FC18261-18	2037-26-5	Toluene-D8	SAMP	SURR	103	%	89-112
FC18261-19	17060-07-0	1,2-Dichloroethane-D4	SAMP	SURR	102	%	81-118
FC18261-19	2037-26-5	Toluene-D8	SAMP	SURR	105	%	89-112
FC18261-20	17060-07-0	1,2-Dichloroethane-D4	SAMP	SURR	104	%	81-118
FC18261-20	2037-26-5	Toluene-D8	SAMP	SURR	106	%	89-112
VZ3085 SW846 8260D BY SIM							
VZ3085-BS	56-23-5	Carbon Tetrachloride	BSP	REC	96	%	72-136
VZ3085-BS	67-66-3	Chloroform	BSP	REC	100	%	79-124
VZ3085-BS	75-35-4	1,1-Dichloroethylene	BSP	REC	100	%	71-131
VZ3085-BS	540-59-0	1,2-Dichloroethene (total)	BSP	REC	103	%	79-121
VZ3085-BS	75-09-2	Methylene Chloride	BSP	REC	114	%	74-124
VZ3085-BS	127-18-4	Tetrachloroethylene	BSP	REC	102	%	74-129

* Sample used for QC is not from job FC18261

5.2
5

QC Evaluation: DOD QSM5.x Limits

Job Number: FC18261
Account: Ahtna Global, LLC
Project: Fort Ord Groundwater Monitoring
Collected: 08/19/24

QC Sample ID	CAS#	Analyte	Sample Type	Result Type	Result	Units	Limits
VZ3085-BS	79-01-6	Trichloroethylene	BSP	REC	104	%	79-123
VZ3085-BS	75-01-4	Vinyl Chloride	BSP	REC	82	%	58-137
VZ3085-BS	17060-07-0	1,2-Dichloroethane-D4	BSP	SURR	97	%	81-118
VZ3085-BS	2037-26-5	Toluene-D8	BSP	SURR	99	%	89-112
FC18258-5MS*	56-23-5	Carbon Tetrachloride	MS	REC	92	%	72-136
FC18258-5MS*	67-66-3	Chloroform	MS	REC	98	%	79-124
FC18258-5MS*	75-35-4	1,1-Dichloroethylene	MS	REC	106	%	71-131
FC18258-5MS*	540-59-0	1,2-Dichloroethene (total)	MS	REC	104	%	79-121
FC18258-5MS*	75-09-2	Methylene Chloride	MS	REC	146	%	74-124
FC18258-5MS*	127-18-4	Tetrachloroethylene	MS	REC	89	%	74-129
FC18258-5MS*	79-01-6	Trichloroethylene	MS	REC	97	%	79-123
FC18258-5MS*	75-01-4	Vinyl Chloride	MS	REC	82	%	58-137
FC18258-5MS*	17060-07-0	1,2-Dichloroethane-D4	MS	SURR	106	%	81-118
FC18258-5MS*	2037-26-5	Toluene-D8	MS	SURR	97	%	89-112
FC18258-5MSD*	56-23-5	Carbon Tetrachloride	MSD	REC	87	%	72-136
FC18258-5MSD*	56-23-5	Carbon Tetrachloride	MSD	RPD	5	%	20
FC18258-5MSD*	67-66-3	Chloroform	MSD	REC	92	%	79-124
FC18258-5MSD*	67-66-3	Chloroform	MSD	RPD	5	%	20
FC18258-5MSD*	75-35-4	1,1-Dichloroethylene	MSD	REC	100	%	71-131
FC18258-5MSD*	75-35-4	1,1-Dichloroethylene	MSD	RPD	5	%	20
FC18258-5MSD*	540-59-0	1,2-Dichloroethene (total)	MSD	REC	98	%	79-121
FC18258-5MSD*	540-59-0	1,2-Dichloroethene (total)	MSD	RPD	5	%	20
FC18258-5MSD*	75-09-2	Methylene Chloride	MSD	REC	132	%	74-124
FC18258-5MSD*	75-09-2	Methylene Chloride	MSD	RPD	9	%	20
FC18258-5MSD*	127-18-4	Tetrachloroethylene	MSD	REC	85	%	74-129
FC18258-5MSD*	127-18-4	Tetrachloroethylene	MSD	RPD	5	%	20
FC18258-5MSD*	79-01-6	Trichloroethylene	MSD	REC	91	%	79-123
FC18258-5MSD*	79-01-6	Trichloroethylene	MSD	RPD	6	%	20
FC18258-5MSD*	75-01-4	Vinyl Chloride	MSD	REC	84	%	58-137
FC18258-5MSD*	75-01-4	Vinyl Chloride	MSD	RPD	3	%	20
FC18258-5MSD*	17060-07-0	1,2-Dichloroethane-D4	MSD	SURR	103	%	81-118
FC18258-5MSD*	2037-26-5	Toluene-D8	MSD	SURR	97	%	89-112
VZ3085-MB	17060-07-0	1,2-Dichloroethane-D4	MB	SURR	102	%	81-118
VZ3085-MB	2037-26-5	Toluene-D8	MB	SURR	98	%	89-112
FC18261-21	17060-07-0	1,2-Dichloroethane-D4	SAMP	SURR	106	%	81-118
FC18261-21	2037-26-5	Toluene-D8	SAMP	SURR	98	%	89-112
FC18261-22	17060-07-0	1,2-Dichloroethane-D4	SAMP	SURR	105	%	81-118
FC18261-22	2037-26-5	Toluene-D8	SAMP	SURR	98	%	89-112
FC18261-23	17060-07-0	1,2-Dichloroethane-D4	SAMP	SURR	105	%	81-118
FC18261-23	2037-26-5	Toluene-D8	SAMP	SURR	98	%	89-112
FC18261-24	17060-07-0	1,2-Dichloroethane-D4	SAMP	SURR	106	%	81-118
FC18261-24	2037-26-5	Toluene-D8	SAMP	SURR	98	%	89-112

(a) Outside DOD QSM control limits.

* Sample used for QC is not from job FC18261

5.2
5

MS Volatiles

QC Data Summaries

Includes the following where applicable:

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

Method Blank Summary

Job Number: FC18261
Account: AHTNACAS Ahtna Global, LLC
Project: Fort Ord Groundwater Monitoring

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VN6708-MB	N0132255.D	1	08/26/24	JW	n/a	n/a	VN6708

The QC reported here applies to the following samples:

Method: SW846 8260D BY SIM

FC18261-1, FC18261-2, FC18261-3, FC18261-4, FC18261-5, FC18261-6, FC18261-7, FC18261-8, FC18261-9, FC18261-10, FC18261-11, FC18261-12, FC18261-13, FC18261-14, FC18261-15, FC18261-16

CAS No.	Compound	Result	RL	MDL	Units	Q
56-23-5	Carbon Tetrachloride	ND	0.50	0.10	ug/l	
67-66-3	Chloroform	ND	0.50	0.10	ug/l	
75-35-4	1,1-Dichloroethylene	ND	0.50	0.10	ug/l	
540-59-0	1,2-Dichloroethene (total)	ND	0.50	0.10	ug/l	
75-09-2	Methylene Chloride ^a	0.52	2.0	0.50	ug/l	JB
127-18-4	Tetrachloroethylene	ND	0.50	0.10	ug/l	
79-01-6	Trichloroethylene	ND	0.50	0.10	ug/l	
75-01-4	Vinyl Chloride	ND	0.10	0.050	ug/l	

CAS No.	Surrogate Recoveries	Limits	
17060-07-0	1,2-Dichloroethane-D4	94%	74-125%
2037-26-5	Toluene-D8	109%	88-111%

(a) Suspected laboratory contaminant.

Method Blank Summary

Job Number: FC18261
Account: AHTNACAS Ahtna Global, LLC
Project: Fort Ord Groundwater Monitoring

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VZ3083-MB	Z76588.D	1	08/26/24	CS	n/a	n/a	VZ3083

The QC reported here applies to the following samples:

Method: SW846 8260D BY SIM

FC18261-17, FC18261-19, FC18261-20

CAS No.	Compound	Result	RL	MDL	Units	Q
56-23-5	Carbon Tetrachloride	ND	0.50	0.10	ug/l	
67-66-3	Chloroform	ND	0.50	0.10	ug/l	
75-35-4	1,1-Dichloroethylene	ND	0.50	0.10	ug/l	
540-59-0	1,2-Dichloroethene (total)	ND	0.50	0.10	ug/l	
75-09-2	Methylene Chloride	ND	2.0	0.50	ug/l	
127-18-4	Tetrachloroethylene	ND	0.50	0.10	ug/l	
79-01-6	Trichloroethylene	ND	0.50	0.10	ug/l	
75-01-4	Vinyl Chloride	ND	0.10	0.050	ug/l	

CAS No.	Surrogate Recoveries	Limits	
17060-07-0	1,2-Dichloroethane-D4	101%	74-125%
2037-26-5	Toluene-D8	108%	88-111%

Method Blank Summary

Job Number: FC18261
Account: AHTNACAS Ahtna Global, LLC
Project: Fort Ord Groundwater Monitoring

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VZ3085-MB	Z76616.D	1	08/28/24	CS	n/a	n/a	VZ3085

The QC reported here applies to the following samples:

Method: SW846 8260D BY SIM

FC18261-21, FC18261-22, FC18261-23, FC18261-24

CAS No.	Compound	Result	RL	MDL	Units	Q
56-23-5	Carbon Tetrachloride	ND	0.50	0.10	ug/l	
67-66-3	Chloroform	ND	0.50	0.10	ug/l	
75-35-4	1,1-Dichloroethylene	ND	0.50	0.10	ug/l	
540-59-0	1,2-Dichloroethene (total)	ND	0.50	0.10	ug/l	
75-09-2	Methylene Chloride	0.53	2.0	0.50	ug/l	J
127-18-4	Tetrachloroethylene	ND	0.50	0.10	ug/l	
79-01-6	Trichloroethylene	ND	0.50	0.10	ug/l	
75-01-4	Vinyl Chloride	ND	0.10	0.050	ug/l	

CAS No.	Surrogate Recoveries	Limits
17060-07-0	1,2-Dichloroethane-D4	102%
2037-26-5	Toluene-D8	98%

Method Blank Summary

Job Number: FC18261
Account: AHTNACAS Ahtna Global, LLC
Project: Fort Ord Groundwater Monitoring

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VN6711-MB	N0132345.D	1	08/29/24	JW	n/a	n/a	VN6711

The QC reported here applies to the following samples:

Method: SW846 8260D BY SIM

FC18261-18

CAS No.	Compound	Result	RL	MDL	Units	Q
56-23-5	Carbon Tetrachloride	ND	0.50	0.10	ug/l	
67-66-3	Chloroform	ND	0.50	0.10	ug/l	
75-35-4	1,1-Dichloroethylene	ND	0.50	0.10	ug/l	
540-59-0	1,2-Dichloroethene (total)	ND	0.50	0.10	ug/l	
75-09-2	Methylene Chloride ^a	1.8	2.0	0.50	ug/l	J
127-18-4	Tetrachloroethylene	ND	0.50	0.10	ug/l	
79-01-6	Trichloroethylene	ND	0.50	0.10	ug/l	
75-01-4	Vinyl Chloride	ND	0.10	0.050	ug/l	

CAS No.	Surrogate Recoveries	Limits	
17060-07-0	1,2-Dichloroethane-D4	106%	74-125%
2037-26-5	Toluene-D8	106%	88-111%

(a) Suspected laboratory contaminant.

Blank Spike Summary

Job Number: FC18261
Account: AHTNACAS Ahtna Global, LLC
Project: Fort Ord Groundwater Monitoring

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VN6708-BS	N0132253.D	1	08/26/24	JW	n/a	n/a	VN6708

The QC reported here applies to the following samples:

Method: SW846 8260D BY SIM

FC18261-1, FC18261-2, FC18261-3, FC18261-4, FC18261-5, FC18261-6, FC18261-7, FC18261-8, FC18261-9, FC18261-10, FC18261-11, FC18261-12, FC18261-13, FC18261-14, FC18261-15, FC18261-16

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
56-23-5	Carbon Tetrachloride	5	4.7	94	76-136
67-66-3	Chloroform	5	5.0	100	80-124
75-35-4	1,1-Dichloroethylene	5	5.1	102	78-137
540-59-0	1,2-Dichloroethene (total)	10	10.9	109	76-127
75-09-2	Methylene Chloride	5	5.3	106	69-135
127-18-4	Tetrachloroethylene	5	5.7	114	76-135
79-01-6	Trichloroethylene	5	5.0	100	81-126
75-01-4	Vinyl Chloride	5	5.1	102	69-159

CAS No.	Surrogate Recoveries	BSP	Limits
17060-07-0	1,2-Dichloroethane-D4	88%	74-125%
2037-26-5	Toluene-D8	109%	88-111%

* = Outside of Control Limits.

Blank Spike Summary

Job Number: FC18261
Account: AHTNACAS Ahtna Global, LLC
Project: Fort Ord Groundwater Monitoring

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VZ3083-BS	Z76586.D	1	08/26/24	CS	n/a	n/a	VZ3083

The QC reported here applies to the following samples:

Method: SW846 8260D BY SIM

FC18261-17, FC18261-19, FC18261-20

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
56-23-5	Carbon Tetrachloride	5	4.9	98	76-136
67-66-3	Chloroform	5	5.0	100	80-124
75-35-4	1,1-Dichloroethylene	5	5.3	106	78-137
540-59-0	1,2-Dichloroethene (total)	10	11.0	110	76-127
75-09-2	Methylene Chloride	5	6.1	122	69-135
127-18-4	Tetrachloroethylene	5	5.9	118	76-135
79-01-6	Trichloroethylene	5	5.5	110	81-126
75-01-4	Vinyl Chloride	5	4.6	92	69-159

CAS No.	Surrogate Recoveries	BSP	Limits
17060-07-0	1,2-Dichloroethane-D4	83%	74-125%
2037-26-5	Toluene-D8	102%	88-111%

* = Outside of Control Limits.

Blank Spike Summary

Job Number: FC18261
Account: AHTNACAS Ahtna Global, LLC
Project: Fort Ord Groundwater Monitoring

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VZ3085-BS	Z76614.D	1	08/28/24	CS	n/a	n/a	VZ3085

The QC reported here applies to the following samples:

Method: SW846 8260D BY SIM

FC18261-21, FC18261-22, FC18261-23, FC18261-24

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
56-23-5	Carbon Tetrachloride	5	4.8	96	76-136
67-66-3	Chloroform	5	5.0	100	80-124
75-35-4	1,1-Dichloroethylene	5	5.0	100	78-137
540-59-0	1,2-Dichloroethene (total)	10	10.3	103	76-127
75-09-2	Methylene Chloride	5	5.7	114	69-135
127-18-4	Tetrachloroethylene	5	5.1	102	76-135
79-01-6	Trichloroethylene	5	5.2	104	81-126
75-01-4	Vinyl Chloride	5	4.1	82	69-159

CAS No.	Surrogate Recoveries	BSP	Limits
17060-07-0	1,2-Dichloroethane-D4	97%	74-125%
2037-26-5	Toluene-D8	99%	88-111%

* = Outside of Control Limits.

Blank Spike Summary

Job Number: FC18261
Account: AHTNACAS Ahtna Global, LLC
Project: Fort Ord Groundwater Monitoring

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VN6711-BS	N0132343.D	1	08/29/24	JW	n/a	n/a	VN6711

The QC reported here applies to the following samples:

Method: SW846 8260D BY SIM

FC18261-18

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
56-23-5	Carbon Tetrachloride	5	4.7	94	76-136
67-66-3	Chloroform	5	5.2	104	80-124
75-35-4	1,1-Dichloroethylene	5	4.9	98	78-137
540-59-0	1,2-Dichloroethene (total)	10	11.0	110	76-127
75-09-2	Methylene Chloride	5	9.3	186*	69-135
127-18-4	Tetrachloroethylene	5	5.8	116	76-135
79-01-6	Trichloroethylene	5	5.2	104	81-126
75-01-4	Vinyl Chloride	5	6.4	128	69-159

CAS No.	Surrogate Recoveries	BSP	Limits
17060-07-0	1,2-Dichloroethane-D4	96%	74-125%
2037-26-5	Toluene-D8	105%	88-111%

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: FC18261
Account: AHTNACAS Ahtna Global, LLC
Project: Fort Ord Groundwater Monitoring

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
FC18259-1MS	N0132276.D	1	08/26/24	JW	n/a	n/a	VN6708
FC18259-1MSD	N0132277.D	1	08/26/24	JW	n/a	n/a	VN6708
FC18259-1	N0132257.D	1	08/26/24	JW	n/a	n/a	VN6708

The QC reported here applies to the following samples:

Method: SW846 8260D BY SIM

FC18261-1, FC18261-2, FC18261-3, FC18261-4, FC18261-5, FC18261-6, FC18261-7, FC18261-8, FC18261-9, FC18261-10, FC18261-11, FC18261-12, FC18261-13, FC18261-14, FC18261-15, FC18261-16

CAS No.	Compound	FC18259-1 ug/l	Spike Q ug/l	MS ug/l	MS %	Spike ug/l	MSD ug/l	MSD %	RPD	Limits Rec/RPD
56-23-5	Carbon Tetrachloride	0.50 U	5	5.1	102	5	5.0	100	2	76-136/23
67-66-3	Chloroform	0.50 U	5	5.9	118	5	5.6	112	5	80-124/15
75-35-4	1,1-Dichloroethylene	0.50 U	5	5.8	116	5	5.6	112	4	78-137/18
540-59-0	1,2-Dichloroethene (total)	0.57	10	12.1	115	10	11.5	109	5	76-127/17
75-09-2	Methylene Chloride	2.0 U	5	6.7	134	5	6.4	128	5	69-135/16
127-18-4	Tetrachloroethylene	0.57	5	6.6	121	5	5.5	99	18*	76-135/16
79-01-6	Trichloroethylene	0.43	J 5	5.8	107	5	5.5	101	5	81-126/15
75-01-4	Vinyl Chloride	0.10 U	5	5.4	108	5	4.8	96	12	69-159/18

CAS No.	Surrogate Recoveries	MS	MSD	FC18259-1	Limits
17060-07-0	1,2-Dichloroethane-D4	102%	101%	96%	74-125%
2037-26-5	Toluene-D8	104%	91%	109%	88-111%

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: FC18261
Account: AHTNACAS Ahtna Global, LLC
Project: Fort Ord Groundwater Monitoring

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
FC18153-14MS	Z76598.D	5	08/26/24	CS	n/a	n/a	VZ3083
FC18153-14MSD	Z76599.D	5	08/26/24	CS	n/a	n/a	VZ3083
FC18153-14	Z76591.D	1	08/26/24	CS	n/a	n/a	VZ3083

The QC reported here applies to the following samples:

Method: SW846 8260D BY SIM

FC18261-17, FC18261-19, FC18261-20

CAS No.	Compound	FC18153-14 ug/l	Spike Q ug/l	MS ug/l	MS %	Spike ug/l	MSD ug/l	MSD %	RPD	Limits Rec/RPD
56-23-5	Carbon Tetrachloride	0.50 U	25	29.0	116	25	29.2	117	1	76-136/23
67-66-3	Chloroform	0.50 U	25	28.5	114	25	28.9	116	1	80-124/15
75-35-4	1,1-Dichloroethylene	0.50 U	25	28.7	115	25	29.8	119	4	78-137/18
540-59-0	1,2-Dichloroethene (total)	0.50 U	50	54.7	109	50	57.7	115	5	76-127/17
75-09-2	Methylene Chloride	2.0 U	25	28.7	115	25	31.3	125	9	69-135/16
127-18-4	Tetrachloroethylene	0.50 U	25	27.5	110	25	28.4	114	3	76-135/16
79-01-6	Trichloroethylene	0.82	25	28.1	109	25	28.8	112	2	81-126/15
75-01-4	Vinyl Chloride	0.10 U	25	27.6	110	25	27.8	111	1	69-159/18

CAS No.	Surrogate Recoveries	MS	MSD	FC18153-14	Limits
17060-07-0	1,2-Dichloroethane-D4	106%	102%	108%	74-125%
2037-26-5	Toluene-D8	89%	92%	106%	88-111%

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: FC18261
Account: AHTNACAS Ahtna Global, LLC
Project: Fort Ord Groundwater Monitoring

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
FC18258-5MS	Z76637.D	5	08/28/24	CS	n/a	n/a	VZ3085
FC18258-5MSD	Z76638.D	5	08/28/24	CS	n/a	n/a	VZ3085
FC18258-5	Z76618.D	1	08/28/24	CS	n/a	n/a	VZ3085

The QC reported here applies to the following samples:

Method: SW846 8260D BY SIM

FC18261-21, FC18261-22, FC18261-23, FC18261-24

CAS No.	Compound	FC18258-5 ug/l	Spike Q ug/l	MS ug/l	MS %	Spike ug/l	MSD ug/l	MSD %	RPD	Limits Rec/RPD
56-23-5	Carbon Tetrachloride	0.50 U	25	23.0	92	25	21.8	87	5	76-136/23
67-66-3	Chloroform	0.50 U	25	24.4	98	25	23.1	92	5	80-124/15
75-35-4	1,1-Dichloroethylene	0.50 U	25	26.5	106	25	25.1	100	5	78-137/18
540-59-0	1,2-Dichloroethene (total)	0.16 J	50	52.0	104	50	49.3	98	5	76-127/17
75-09-2	Methylene Chloride	2.0 U	25	36.4	146*	25	33.1	132	9	69-135/16
127-18-4	Tetrachloroethylene	0.50 U	25	22.3	89	25	21.3	85	5	76-135/16
79-01-6	Trichloroethylene	0.67	25	25.0	97	25	23.5	91	6	81-126/15
75-01-4	Vinyl Chloride	0.10 U	25	20.4	82	25	21.1	84	3	69-159/18

CAS No.	Surrogate Recoveries	MS	MSD	FC18258-5	Limits
17060-07-0	1,2-Dichloroethane-D4	106%	103%	104%	74-125%
2037-26-5	Toluene-D8	97%	97%	98%	88-111%

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: FC18261
Account: AHTNACAS Ahtna Global, LLC
Project: Fort Ord Groundwater Monitoring

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
FC18256-4MS	N0132367.D	5	08/29/24	JW	n/a	n/a	VN6711
FC18256-4MSD	N0132368.D	5	08/29/24	JW	n/a	n/a	VN6711
FC18256-4	N0132346.D	5	08/29/24	JW	n/a	n/a	VN6711

The QC reported here applies to the following samples:

Method: SW846 8260D BY SIM

FC18261-18

CAS No.	Compound	FC18256-4 ug/l	Spike Q ug/l	MS ug/l	MS %	Spike ug/l	MSD ug/l	MSD %	RPD	Limits Rec/RPD
56-23-5	Carbon Tetrachloride	2.5 U	25	23.3	93	25	21.8	87	7	76-136/23
67-66-3	Chloroform	2.5 U	25	28.2	113	25	25.6	102	10	80-124/15
75-35-4	1,1-Dichloroethylene	2.5 U	25	25.2	101	25	23.3	93	8	78-137/18
540-59-0	1,2-Dichloroethene (total)	2.5 U	50	55.1	110	50	51.7	103	6	76-127/17
75-09-2	Methylene Chloride	12.5	25	42.3	119	25	40.2	111	5	69-135/16
127-18-4	Tetrachloroethylene	38.5	25	58.2	79	25	48.0	38*	19*	76-135/16
79-01-6	Trichloroethylene	1.1	J 25	27.6	106	25	24.6	94	11	81-126/15
75-01-4	Vinyl Chloride	0.50 U	25	27.4	110	25	26.1	104	5	69-159/18

CAS No.	Surrogate Recoveries	MS	MSD	FC18256-4	Limits
17060-07-0	1,2-Dichloroethane-D4	107%	104%	106%	74-125%
2037-26-5	Toluene-D8	102%	92%	105%	88-111%

* = Outside of Control Limits.

Instrument Performance Check (BFB)

Job Number: FC18261
Account: AHTNACAS Ahtna Global, LLC
Project: Fort Ord Groundwater Monitoring

Sample: VN6705-BFB	Injection Date: 08/20/24
Lab File ID: N0132197.D	Injection Time: 09:04
Instrument ID: GCMSN	

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance	Pass/Fail
95	Base peak, 100% relative abundance	28939	100.0	Pass
96	5.0 - 9.0% of mass 95	1718	5.94	Pass
173	Less than 2.0% of mass 174	120	0.41 (0.48) ^a	Pass
174	50.0 - 200.0% of mass 95	24867	85.9	Pass
175	5.0 - 9.0% of mass 174	1811	6.26 (7.28) ^a	Pass
176	95.0 - 105.0% of mass 174	24459	84.5 (98.4) ^a	Pass
177	5.0 - 10.0% of mass 176	1743	6.02 (7.13) ^b	Pass

(a) Value is % of mass 174

(b) Value is % of mass 176

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

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
VN6705-IC6705	N0132200.D	08/20/24	10:17	01:13	Initial cal 3
VN6705-IC6705	N0132201.D	08/20/24	10:41	01:37	Initial cal 4
VN6705-ICC6705	N0132202.D	08/20/24	11:04	02:00	Initial cal 5
VN6705-IC6705	N0132203.D	08/20/24	11:28	02:24	Initial cal 6
VN6705-IC6705	N0132204.D	08/20/24	11:51	02:47	Initial cal 7
VN6705-IC6705	N0132207.D	08/20/24	13:05	04:01	Initial cal 1
VN6705-IC6705	N0132208.D	08/20/24	13:28	04:24	Initial cal 2
VN6705-ICV6705	N0132209.D	08/20/24	13:52	04:48	Initial cal verification 5

Instrument Performance Check (BFB)

Job Number: FC18261
Account: AHTNACAS Ahtna Global, LLC
Project: Fort Ord Groundwater Monitoring

Sample: VN6708-BFB	Injection Date: 08/26/24
Lab File ID: N0132251.D	Injection Time: 06:31
Instrument ID: GCMSN	

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance	Pass/Fail
95	Base peak, 100% relative abundance	38256	100.0	Pass
96	5.0 - 9.0% of mass 95	2375	6.21	Pass
173	Less than 2.0% of mass 174	303	0.79 (0.95) ^a	Pass
174	50.0 - 200.0% of mass 95	31744	83.0	Pass
175	5.0 - 9.0% of mass 174	2381	6.22 (7.50) ^a	Pass
176	95.0 - 105.0% of mass 174	31707	82.9 (99.9) ^a	Pass
177	5.0 - 10.0% of mass 176	2096	5.48 (6.61) ^b	Pass

(a) Value is % of mass 174

(b) Value is % of mass 176

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

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
VN6708-CC6705	N0132252.D	08/26/24	06:54	00:23	Continuing cal 5
VN6708-BS	N0132253.D	08/26/24	07:18	00:47	Blank Spike
VN6708-MB	N0132255.D	08/26/24	08:05	01:34	Method Blank
FC18261-1	N0132256.D	08/26/24	08:37	02:06	24340BWX211A
FC18259-1	N0132257.D	08/26/24	09:00	02:29	(used for QC only; not part of job FC18261)
ZZZZZZ	N0132258.D	08/26/24	09:24	02:53	(unrelated sample)
ZZZZZZ	N0132259.D	08/26/24	09:47	03:16	(unrelated sample)
ZZZZZZ	N0132260.D	08/26/24	10:11	03:40	(unrelated sample)
FC18261-2	N0132261.D	08/26/24	10:34	04:03	2434X0BW037F
FC18261-3	N0132262.D	08/26/24	10:58	04:27	2434X0BW181F
FC18261-4	N0132263.D	08/26/24	11:21	04:50	2434X0BW033F
FC18261-5	N0132264.D	08/26/24	11:44	05:13	2434X0BW180F
FC18261-6	N0132265.D	08/26/24	12:08	05:37	2434X0BW044F
FC18261-7	N0132266.D	08/26/24	12:31	06:00	2434X0BW187F
FC18261-8	N0132267.D	08/26/24	12:55	06:24	2434X0BW065D
FC18261-9	N0132268.D	08/26/24	13:18	06:47	2434X0BW032F
FC18261-10	N0132269.D	08/26/24	13:42	07:11	2434X0BW047F
FC18261-11	N0132270.D	08/26/24	14:05	07:34	2434X0BW189F
FC18261-12	N0132271.D	08/26/24	14:29	07:58	2434X0BW046F
FC18261-13	N0132272.D	08/26/24	14:52	08:21	2434X0BW188F
FC18261-14	N0132273.D	08/26/24	15:15	08:44	2434X0BW045F
FC18261-15	N0132274.D	08/26/24	15:39	09:08	2434X0BW041F
FC18261-16	N0132275.D	08/26/24	16:02	09:31	2434X0BW184F
FC18259-1MS	N0132276.D	08/26/24	16:25	09:54	Matrix Spike
FC18259-1MSD	N0132277.D	08/26/24	16:49	10:18	Matrix Spike Duplicate
VN6708-ECC6705	N0132278.D	08/26/24	17:12	10:41	Ending cal 5

Instrument Performance Check (BFB)

Job Number: FC18261
Account: AHTNACAS Ahtna Global, LLC
Project: Fort Ord Groundwater Monitoring

Sample: VN6711-BFB	Injection Date: 08/29/24
Lab File ID: N0132341.D	Injection Time: 06:22
Instrument ID: GCMSN	

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance	Pass/Fail
95	Base peak, 100% relative abundance	43235	100.0	Pass
96	5.0 - 9.0% of mass 95	2934	6.79	Pass
173	Less than 2.0% of mass 174	382	0.88 (1.03) ^a	Pass
174	50.0 - 200.0% of mass 95	37040	85.7	Pass
175	5.0 - 9.0% of mass 174	2566	5.94 (6.93) ^a	Pass
176	95.0 - 105.0% of mass 174	37861	87.6 (102.2) ^a	Pass
177	5.0 - 10.0% of mass 176	2513	5.81 (6.64) ^b	Pass

(a) Value is % of mass 174

(b) Value is % of mass 176

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

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
VN6711-CC6705	N0132342.D	08/29/24	06:49	00:27	Continuing cal 5
VN6711-BS	N0132343.D	08/29/24	07:14	00:52	Blank Spike
VN6711-MB	N0132345.D	08/29/24	08:03	01:41	Method Blank
FC18256-4	N0132346.D	08/29/24	08:34	02:12	(used for QC only; not part of job FC18261)
ZZZZZZ	N0132347.D	08/29/24	08:59	02:37	(unrelated sample)
ZZZZZZ	N0132348.D	08/29/24	09:24	03:02	(unrelated sample)
ZZZZZZ	N0132349.D	08/29/24	09:48	03:26	(unrelated sample)
ZZZZZZ	N0132350.D	08/29/24	10:13	03:51	(unrelated sample)
ZZZZZZ	N0132351.D	08/29/24	10:38	04:16	(unrelated sample)
ZZZZZZ	N0132352.D	08/29/24	11:02	04:40	(unrelated sample)
ZZZZZZ	N0132354.D	08/29/24	11:29	05:07	(unrelated sample)
ZZZZZZ	N0132355.D	08/29/24	11:54	05:32	(unrelated sample)
FC18261-18	N0132356.D	08/29/24	12:18	05:56	2434X0BW185F
ZZZZZZ	N0132357.D	08/29/24	12:43	06:21	(unrelated sample)
ZZZZZZ	N0132358.D	08/29/24	13:07	06:45	(unrelated sample)
ZZZZZZ	N0132359.D	08/29/24	13:31	07:09	(unrelated sample)
ZZZZZZ	N0132360.D	08/29/24	13:56	07:34	(unrelated sample)
ZZZZZZ	N0132361.D	08/29/24	14:20	07:58	(unrelated sample)
ZZZZZZ	N0132362.D	08/29/24	14:44	08:22	(unrelated sample)
ZZZZZZ	N0132363.D	08/29/24	15:07	08:45	(unrelated sample)
ZZZZZZ	N0132364.D	08/29/24	15:31	09:09	(unrelated sample)
ZZZZZZ	N0132365.D	08/29/24	15:54	09:32	(unrelated sample)
ZZZZZZ	N0132366.D	08/29/24	16:18	09:56	(unrelated sample)
FC18256-4MS	N0132367.D	08/29/24	16:41	10:19	Matrix Spike
FC18256-4MSD	N0132368.D	08/29/24	17:05	10:43	Matrix Spike Duplicate
VN6711-ECC6705	N0132369.D	08/29/24	17:28	11:06	Ending cal 5

Instrument Performance Check (BFB)

Job Number: FC18261
Account: AHTNACAS Ahtna Global, LLC
Project: Fort Ord Groundwater Monitoring

Sample: VZ3083-BFB	Injection Date: 08/26/24
Lab File ID: Z76574.D	Injection Time: 07:35
Instrument ID: GCMSZ	

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance	Pass/Fail
95	Base peak, 100% relative abundance	221547	100.0	Pass
96	5.0 - 9.0% of mass 95	15265	6.89	Pass
173	Less than 2.0% of mass 174	1517	0.68 (0.78) ^a	Pass
174	50.0 - 200.0% of mass 95	193408	87.3	Pass
175	5.0 - 9.0% of mass 174	13712	6.19 (7.09) ^a	Pass
176	95.0 - 105.0% of mass 174	186581	84.2 (96.5) ^a	Pass
177	5.0 - 10.0% of mass 176	12556	5.67 (6.73) ^b	Pass

(a) Value is % of mass 174

(b) Value is % of mass 176

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

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
VZ3083-IC3083	Z76576.D	08/26/24	08:32	00:57	Initial cal 1
VZ3083-IC3083	Z76577.D	08/26/24	08:55	01:20	Initial cal 2
VZ3083-IC3083	Z76578.D	08/26/24	09:18	01:43	Initial cal 3
VZ3083-IC3083	Z76579.D	08/26/24	09:41	02:06	Initial cal 4
VZ3083-ICC3083	Z76580.D	08/26/24	10:04	02:29	Initial cal 5
VZ3083-IC3083	Z76581.D	08/26/24	10:27	02:52	Initial cal 6
VZ3083-IC3083	Z76582.D	08/26/24	10:50	03:15	Initial cal 7
VZ3083-ICV3083	Z76585.D	08/26/24	12:48	05:13	Initial cal verification 5
VZ3083-BS	Z76586.D	08/26/24	13:31	05:56	Blank Spike
VZ3083-MB	Z76588.D	08/26/24	14:29	06:54	Method Blank
FC18261-19	Z76589.D	08/26/24	15:05	07:30	24340BW194C
FC18261-20	Z76590.D	08/26/24	15:28	07:53	2434W0BW218A
FC18153-14	Z76591.D	08/26/24	15:51	08:16	(used for QC only; not part of job FC18261)
ZZZZZZ	Z76592.D	08/26/24	16:14	08:39	(unrelated sample)
ZZZZZZ	Z76593.D	08/26/24	16:37	09:02	(unrelated sample)
ZZZZZZ	Z76595.D	08/26/24	17:23	09:48	(unrelated sample)
FC18261-17	Z76596.D	08/26/24	17:45	10:10	2434X0BW042F
FC18261-18	Z76597.D	08/26/24	18:08	10:33	2434X0BW185F
FC18153-14MS	Z76598.D	08/26/24	18:31	10:56	Matrix Spike
FC18153-14MSD	Z76599.D	08/26/24	18:54	11:19	Matrix Spike Duplicate
VZ3083-ECC3083	Z76600.D	08/26/24	19:17	11:42	Ending cal 6

Instrument Performance Check (BFB)

Job Number: FC18261
Account: AHTNACAS Ahtna Global, LLC
Project: Fort Ord Groundwater Monitoring

Sample: VZ3084-BFB	Injection Date: 08/28/24
Lab File ID: Z76601.D	Injection Time: 07:36
Instrument ID: GCMSZ	

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance	Pass/Fail
95	Base peak, 100% relative abundance	102783	100.0	Pass
96	5.0 - 9.0% of mass 95	7256	7.06	Pass
173	Less than 2.0% of mass 174	537	0.52 (0.64) ^a	Pass
174	50.0 - 200.0% of mass 95	84304	82.0	Pass
175	5.0 - 9.0% of mass 174	6173	6.01 (7.32) ^a	Pass
176	95.0 - 105.0% of mass 174	82709	80.5 (98.1) ^a	Pass
177	5.0 - 10.0% of mass 176	5685	5.53 (6.87) ^b	Pass

(a) Value is % of mass 174

(b) Value is % of mass 176

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

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
VZ3084-IC3084	Z76603.D	08/28/24	08:29	00:53	Initial cal 1
VZ3084-IC3084	Z76604.D	08/28/24	08:51	01:15	Initial cal 2
VZ3084-IC3084	Z76605.D	08/28/24	09:24	01:48	Initial cal 3
VZ3084-IC3084	Z76606.D	08/28/24	09:47	02:11	Initial cal 4
VZ3084-ICC3084	Z76607.D	08/28/24	10:10	02:34	Initial cal 5
VZ3084-IC3084	Z76608.D	08/28/24	10:33	02:57	Initial cal 6
VZ3084-IC3084	Z76609.D	08/28/24	10:57	03:21	Initial cal 7
VZ3084-ICV3084	Z76611.D	08/28/24	11:43	04:07	Initial cal verification 5

Instrument Performance Check (BFB)

Job Number: FC18261
Account: AHTNACAS Ahtna Global, LLC
Project: Fort Ord Groundwater Monitoring

Sample: VZ3085-BFB	Injection Date: 08/28/24
Lab File ID: Z76612.D	Injection Time: 12:22
Instrument ID: GCMSZ	

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance	Pass/Fail
95	Base peak, 100% relative abundance	122187	100.0	Pass
96	5.0 - 9.0% of mass 95	8245	6.75	Pass
173	Less than 2.0% of mass 174	649	0.53 (0.67) ^a	Pass
174	50.0 - 200.0% of mass 95	96469	79.0	Pass
175	5.0 - 9.0% of mass 174	6988	5.72 (7.24) ^a	Pass
176	95.0 - 105.0% of mass 174	94432	77.3 (97.9) ^a	Pass
177	5.0 - 10.0% of mass 176	6384	5.22 (6.76) ^b	Pass

(a) Value is % of mass 174

(b) Value is % of mass 176

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

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
VZ3085-CC3084	Z76613.D	08/28/24	12:48	00:26	Continuing cal 5
VZ3085-BS	Z76614.D	08/28/24	13:18	00:56	Blank Spike
VZ3085-MB	Z76616.D	08/28/24	14:18	01:56	Method Blank
ZZZZZZ	Z76617.D	08/28/24	14:55	02:33	(unrelated sample)
FC18258-5	Z76618.D	08/28/24	15:19	02:57	(used for QC only; not part of job FC18261)
FC18261-22	Z76619.D	08/28/24	15:42	03:20	2434W0BW201C
ZZZZZZ	Z76620.D	08/28/24	16:05	03:43	(unrelated sample)
ZZZZZZ	Z76621.D	08/28/24	16:28	04:06	(unrelated sample)
ZZZZZZ	Z76622.D	08/28/24	16:51	04:29	(unrelated sample)
ZZZZZZ	Z76623.D	08/28/24	17:15	04:53	(unrelated sample)
ZZZZZZ	Z76624.D	08/28/24	17:38	05:16	(unrelated sample)
ZZZZZZ	Z76625.D	08/28/24	18:01	05:39	(unrelated sample)
FC18261-21	Z76626.D	08/28/24	18:24	06:02	2434W0BW160F
FC18261-23	Z76627.D	08/28/24	18:47	06:25	2434W0BW157F
FC18261-24	Z76628.D	08/28/24	19:10	06:48	2434W0BW158F
ZZZZZZ	Z76629.D	08/28/24	19:33	07:11	(unrelated sample)
ZZZZZZ	Z76630.D	08/28/24	19:56	07:34	(unrelated sample)
ZZZZZZ	Z76631.D	08/28/24	20:20	07:58	(unrelated sample)
ZZZZZZ	Z76632.D	08/28/24	20:43	08:21	(unrelated sample)
ZZZZZZ	Z76633.D	08/28/24	21:06	08:44	(unrelated sample)
ZZZZZZ	Z76634.D	08/28/24	21:29	09:07	(unrelated sample)
ZZZZZZ	Z76635.D	08/28/24	21:52	09:30	(unrelated sample)
ZZZZZZ	Z76636.D	08/28/24	22:15	09:53	(unrelated sample)
FC18258-5MS	Z76637.D	08/28/24	22:38	10:16	Matrix Spike
FC18258-5MSD	Z76638.D	08/28/24	23:01	10:39	Matrix Spike Duplicate
VZ3085-ECC3084	Z76639.D	08/28/24	23:24	11:02	Ending cal 5

Internal Standard Area Summary

Job Number: FC18261
Account: AHTNACAS Ahtna Global, LLC
Project: Fort Ord Groundwater Monitoring

Check Std: VN6708-CC6705	Injection Date: 08/26/24
Lab File ID: N0132252.D	Injection Time: 06:54
Instrument ID: GCMSN	Method: SW846 8260D BY SIM

	IS 1 AREA	RT	IS 2 AREA	RT
Initial Cal ^a	57601	6.34	36791	9.51
Check Std ^b	63802	6.34	41265	9.51
Upper Limit ^c	127604	6.51	82530	9.68
Lower Limit ^d	31901	6.17	20633	9.34

Lab Sample ID	IS 1 AREA	RT	IS 2 AREA	RT
VN6708-BS	62882	6.34	38646	9.51
VN6708-MB	51930	6.34	32300	9.52
FC18261-1	51499	6.34	32386	9.52
FC18259-1	50136	6.34	31318	9.52
ZZZZZZ	49986	6.34	31873	9.52
ZZZZZZ	49542	6.34	30922	9.52
ZZZZZZ	48821	6.34	30699	9.52
FC18261-2	47660	6.34	30193	9.52
FC18261-3	47437	6.34	29808	9.52
FC18261-4	45563	6.34	29062	9.52
FC18261-5	46151	6.34	29398	9.52
FC18261-6	44949	6.34	28168	9.52
FC18261-7	44481	6.34	27960	9.52
FC18261-8	43918	6.34	27972	9.52
FC18261-9	42576	6.34	27769	9.52
FC18261-10	41627	6.34	26684	9.52
FC18261-11	42106	6.34	27275	9.52
FC18261-12	41092	6.34	26596	9.52
FC18261-13	40189	6.34	25957	9.52
FC18261-14	40215	6.34	25495	9.52
FC18261-15	41194	6.34	26455	9.52
FC18261-16	41173	6.34	26525	9.52
FC18259-1MS	48798	6.34	30819	9.52
FC18259-1MSD	51802	6.34	36912	9.52
VN6708-ECC670556168		6.34	36211	9.52

IS 1 = Fluorobenzene
IS 2 = Chlorobenzene-D5

- (a) Initial Cal is: VN6705-ICC6705 N0132202.D 08/20/24 11:04
- (b) Check Std Limit = -50 to + 100% of initial cal area.
- (c) Upper Limit = + 100% of check standard area; Retention time + 0.167 minutes.
- (d) Lower Limit = -50% of check standard area; Retention time -0.167 minutes.

6.5.1
6

Internal Standard Area Summary

Job Number: FC18261
Account: AHTNACAS Ahtna Global, LLC
Project: Fort Ord Groundwater Monitoring

Check Std: VN6711-CC6705	Injection Date: 08/29/24
Lab File ID: N0132342.D	Injection Time: 06:49
Instrument ID: GCMSN	Method: SW846 8260D BY SIM

	IS 1 AREA	RT	IS 2 AREA	RT
Initial Cal ^a	57601	6.34	36791	9.51
Check Std ^b	59336	6.34	39178	9.51
Upper Limit ^c	118672	6.51	78356	9.68
Lower Limit ^d	29668	6.17	19589	9.34

Lab Sample ID	IS 1 AREA	RT	IS 2 AREA	RT
VN6711-BS	57356	6.34	35866	9.51
VN6711-MB	46351	6.34	29760	9.51
FC18256-4	47021	6.34	30075	9.52
ZZZZZZ	45215	6.34	29204	9.52
ZZZZZZ	44652	6.34	28706	9.52
ZZZZZZ	44893	6.34	29002	9.51
ZZZZZZ	43841	6.34	28531	9.51
ZZZZZZ	43948	6.34	28423	9.51
ZZZZZZ	43507	6.34	28097	9.52
ZZZZZZ	42655	6.34	27247	9.51
ZZZZZZ	41918	6.34	26814	9.51
FC18261-18	42038	6.34	26989	9.52
ZZZZZZ	42783	6.34	27856	9.51
ZZZZZZ	41727	6.34	27433	9.51
ZZZZZZ	42257	6.34	27284	9.51
ZZZZZZ	43234	6.34	27133	9.52
ZZZZZZ	42443	6.34	26882	9.52
ZZZZZZ	43039	6.34	27210	9.52
ZZZZZZ	42911	6.34	27312	9.52
ZZZZZZ	42825	6.34	27362	9.52
ZZZZZZ	43742	6.34	28149	9.52
ZZZZZZ	44688	6.34	28699	9.52
FC18256-4MS	51589	6.34	33202	9.52
FC18256-4MSD	54534	6.34	40142	9.52
VN6711-ECC670560767		6.34	40877	9.51

IS 1 = Fluorobenzene
IS 2 = Chlorobenzene-D5

- (a) Initial Cal is: VN6705-ICC6705 N0132202.D 08/20/24 11:04
- (b) Check Std Limit = -50 to + 100% of initial cal area.
- (c) Upper Limit = + 100% of check standard area; Retention time + 0.167 minutes.
- (d) Lower Limit = -50% of check standard area; Retention time -0.167 minutes.

6.5.2
6

Internal Standard Area Summary

Job Number: FC18261
Account: AHTNACAS Ahtna Global, LLC
Project: Fort Ord Groundwater Monitoring

Check Std: VZ3083-ICC3083	Injection Date: 08/26/24
Lab File ID: Z76580.D	Injection Time: 10:04
Instrument ID: GCMSZ	Method: SW846 8260D BY SIM

	IS 1 AREA	RT	IS 2 AREA	RT
Initial Cal ^a	27111	7.89	32127	10.98
Check Std ^b	27111	7.89	32127	10.98
Upper Limit ^c	54222	8.06	64254	11.15
Lower Limit ^d	13556	7.72	16064	10.81

Lab Sample ID	IS 1 AREA	RT	IS 2 AREA	RT
VZ3083-BS	27249	7.89	31295	10.98
VZ3083-MB	22859	7.89	26113	10.98
FC18261-19	21112	7.89	24520	10.98
FC18261-20	20887	7.89	24084	10.98
FC18153-14	19870	7.89	22944	10.98
ZZZZZZ	19403	7.89	22449	10.98
ZZZZZZ	19652	7.89	22858	10.98
ZZZZZZ	18973	7.89	21869	10.98
FC18261-17	17901	7.89	20828	10.98
FC18261-18 ^e	17881	7.89	21186	10.98
FC18153-14MS	20904	7.89	27201	10.98
FC18153-14MSD	22346	7.89	28619	10.98
VZ3083-ECC308325719	25719	7.89	31422	10.98

IS 1 = Fluorobenzene
IS 2 = Chlorobenzene-D5

- (a) Initial Cal is: VZ3083-ICC3083 Z76580.D 08/26/24 10:04
- (b) Check Std Limit = -50 to + 100% of initial cal area.
- (c) Upper Limit = + 100% of check standard area; Retention time + 0.167 minutes.
- (d) Lower Limit = -50% of check standard area; Retention time -0.167 minutes.
- (e) Confirmation run.

Internal Standard Area Summary

Job Number: FC18261
Account: AHTNACAS Ahtna Global, LLC
Project: Fort Ord Groundwater Monitoring

Check Std: VZ3085-CC3084	Injection Date: 08/28/24
Lab File ID: Z76613.D	Injection Time: 12:48
Instrument ID: GCMSZ	Method: SW846 8260D BY SIM

	IS 1 AREA	RT	IS 2 AREA	RT
Initial Cal ^a	18387	7.89	18425	10.98
Check Std ^b	19395	7.89	19594	10.98
Upper Limit ^c	38790	8.06	39188	11.15
Lower Limit ^d	9698	7.72	9797	10.81

Lab Sample ID	IS 1 AREA	RT	IS 2 AREA	RT
VZ3085-BS	19562	7.89	20179	10.98
VZ3085-MB	19448	7.89	20757	10.98
ZZZZZZ	18909	7.89	20095	10.98
FC18258-5	19692	7.89	21072	10.98
FC18261-22	19133	7.89	20532	10.98
ZZZZZZ	19700	7.89	20317	10.98
ZZZZZZ	20403	7.89	21879	10.98
ZZZZZZ	19799	7.89	21209	10.98
ZZZZZZ	19896	7.89	21523	10.98
ZZZZZZ	19567	7.89	21111	10.98
ZZZZZZ	19474	7.89	21082	10.98
FC18261-21	19771	7.89	21457	10.98
FC18261-23	19697	7.89	21281	10.98
FC18261-24	20323	7.90	22086	10.98
ZZZZZZ	20039	7.90	21855	10.98
ZZZZZZ	20038	7.89	21719	10.98
ZZZZZZ	20168	7.89	21807	10.98
ZZZZZZ	20064	7.89	21682	10.98
ZZZZZZ	19789	7.89	21415	10.98
ZZZZZZ	20204	7.89	22140	10.98
ZZZZZZ	19723	7.89	21678	10.98
ZZZZZZ	20563	7.89	22580	10.98
FC18258-5MS	20699	7.89	22181	10.98
FC18258-5MSD	21102	7.89	22500	10.98
VZ3085-ECC308421550		7.89	22349	10.98

IS 1 = Fluorobenzene
IS 2 = Chlorobenzene-D5

- (a) Initial Cal is: VZ3084-ICC3084 Z76607.D 08/28/24 10:10
- (b) Check Std Limit = -50 to + 100% of initial cal area.
- (c) Upper Limit = + 100% of check standard area; Retention time + 0.167 minutes.
- (d) Lower Limit = -50% of check standard area; Retention time -0.167 minutes.

Surrogate Recovery Summary

Job Number: FC18261
Account: AHTNACAS Ahtna Global, LLC
Project: Fort Ord Groundwater Monitoring

Method: SW846 8260D BY SIM	Matrix: AQ
-----------------------------------	-------------------

Samples and QC shown here apply to the above method

Lab Sample ID	Lab File ID	S1	S2
FC18261-1	N0132256.D	95	110
FC18261-2	N0132261.D	99	107
FC18261-3	N0132262.D	99	107
FC18261-4	N0132263.D	101	107
FC18261-5	N0132264.D	101	107
FC18261-6	N0132265.D	103	108
FC18261-7	N0132266.D	103	107
FC18261-8	N0132267.D	105	106
FC18261-9	N0132268.D	107	105
FC18261-10	N0132269.D	107	106
FC18261-11	N0132270.D	108	105
FC18261-12	N0132271.D	109	104
FC18261-13	N0132272.D	110	104
FC18261-14	N0132273.D	109	105
FC18261-15	N0132274.D	110	104
FC18261-16	N0132275.D	111	103
FC18261-17	Z76596.D	116	104
FC18261-18	N0132356.D	111	103
FC18261-18	Z76597.D	120 ^a	103
FC18261-19	Z76589.D	102	105
FC18261-20	Z76590.D	104	106
FC18261-21	Z76626.D	106	98
FC18261-22	Z76619.D	105	98
FC18261-23	Z76627.D	105	98
FC18261-24	Z76628.D	106	98
FC18153-14MS	Z76598.D	106	89
FC18153-14MSD	Z76599.D	102	92
FC18256-4MS	N0132367.D	107	102
FC18256-4MSD	N0132368.D	104	92
FC18258-5MS	Z76637.D	106	97
FC18258-5MSD	Z76638.D	103	97
FC18259-1MS	N0132276.D	102	104
FC18259-1MSD	N0132277.D	101	91
VN6708-BS	N0132253.D	88	109
VN6708-MB	N0132255.D	94	109
VN6711-BS	N0132343.D	96	105
VN6711-MB	N0132345.D	106	106
VZ3083-BS	Z76586.D	83	102
VZ3083-MB	Z76588.D	101	108
VZ3085-BS	Z76614.D	97	99

Surrogate Recovery Summary

Job Number: FC18261
Account: AHTNACAS Ahtna Global, LLC
Project: Fort Ord Groundwater Monitoring

Method: SW846 8260D BY SIM	Matrix: AQ
-----------------------------------	-------------------

Samples and QC shown here apply to the above method

Lab Sample ID	Lab File ID	S1	S2
VZ3085-MB	Z76616.D	102	98

Surrogate Compounds	Recovery Limits
---------------------	-----------------

S1 = 1,2-Dichloroethane-D4	74-125%
S2 = Toluene-D8	88-111%

(a) Outside DOD QSM control limits.

Initial Calibration Summary

Job Number: FC18261
Account: AHTNACAS Ahtna Global, LLC
Project: Fort Ord Groundwater Monitoring

Sample: VN6705-ICC6705
Lab FileID: N0132202.D

Response Factor Report MSVOA6-N

Method : C:\msdchem\1\met..._VN6705_082024.M (RTE Integrator)
 Title : Standard Methods 6200B
 Last Update : Tue Aug 20 14:01:28 2024
 Response via : Initial Calibration

Calibration Files

1 =N0132207.D 2 =N0132208.D 3 =N0132200.D 4 =N0132201.D
 5 =N0132202.D 6 =N0132203.D 7 =N0132204.D

Compound	1	2	3	4	5	6	7	Avg	%RSD

1) I Fluorobenzene	-----ISTD-----								
2) Vinyl Chloride	0.524	0.203	0.123	0.115	0.109	0.111	0.105	0.184	83.41
	---- Linear regr., Force(0,0) ---- Coefficient = 0.9993								
	Response Ratio = 0.00000 + 0.11062 *A								
3) Chloromethane	0.373	0.193	0.164	0.149	0.144	0.136	0.193	46.88	
	---- Linear regr., Force(0,0) ---- Coefficient = 0.9990								
	Response Ratio = 0.00000 + 0.14771 *A								
4) 1,1-Dichloroethen	0.184	0.146	0.144	0.137	0.136	0.135	0.147	12.46	
5) Methylene Chlorid		0.280	0.215	0.185	0.172	0.165	0.204	23.15	
	---- Quadratic regr., Force(0,0) ---- Coefficient = 0.9927								
	Response Ratio = 0.00000 + 0.23670 *A + -0.01952 *A^2								
6) trans-1,2-Dichlor	0.152	0.118	0.119	0.116	0.116	0.116	0.123	11.71	
7) 1,1-Dichloroethan	0.199	0.168	0.165	0.156	0.152	0.149	0.165	11.13	
8) cis-1,2-Dichloroe	0.092	0.069	0.069	0.066	0.067	0.068	0.072	13.85	
9) Chloroform	0.311	0.197	0.172	0.154	0.149	0.145	0.188	33.73	
	---- Quadratic regr., Force(0,0) ---- Coefficient = 0.9968								
	Response Ratio = 0.00000 + 0.18931 *A + -0.01236 *A^2								
10) Carbon Tetrachlor	0.093	0.071	0.074	0.070	0.070	0.071	0.075	12.09	
11) 1,1,1-Trichloroet	0.133	0.104	0.104	0.099	0.100	0.099	0.106	12.29	
12) Benzene	0.338	0.258	0.259	0.249	0.249	0.250	0.267	13.14	
13)S 1,2-Dichloroethan	0.436	0.438	0.464	0.438	0.419	0.414	0.401	4.75	
14) 1,2-Dichloroethan	0.143	0.130	0.129	0.122	0.118	0.115	0.126	8.10	
15) Trichloroethene	0.097	0.070	0.071	0.070	0.071	0.071	0.075	13.97	
16) 1,2-Dichloropropa	0.104	0.083	0.083	0.080	0.078	0.078	0.084	11.71	
17) cis-1,3-Dichlorop	0.069	0.056	0.064	0.067	0.071	0.074	0.067	9.18	

18) I Chlorobenzene-d5	-----ISTD-----								
19)S Toluene-d8	1.165	1.153	1.086	1.012	1.108	1.106	1.095	1.104	4.51
20) trans-1,3-Dichlor	0.068	0.070	0.087	0.105	0.111	0.116	0.093	22.28	
	---- Quadratic regr., Force(0,0) ---- Coefficient = 0.9983								
	Response Ratio = 0.00000 + 0.07956 *A + 0.00965 *A^2								
21) Tetrachloroethene	0.141	0.110	0.106	0.109	0.106	0.104	0.113	12.56	
22) 1,4-Dichlorobenze	0.326	0.233	0.231	0.254	0.248	0.241	0.256	13.89	
23) 1,2-Dibromo-3-Chl	0.039	0.022	0.018	0.021	0.021	0.021	0.024	31.24	
	---- Linear regr., Force(0,0) ---- Coefficient = 0.9956								
	Response Ratio = 0.00000 + 0.02093 *A								

(#) = Out of Range

Initial Calibration Verification

Job Number: FC18261
 Account: AHTNACAS Ahtna Global, LLC
 Project: Fort Ord Groundwater Monitoring

Sample: VN6705-ICV6705
 Lab FileID: N0132209.D

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\data\08-20-24\N0132209.D Vial: 13
 Acq On : 20 Aug 2024 1:52 pm Operator: jeniferw
 Sample : ICV6705-5 Inst : MSVOA6-N
 Misc : MS57318,VN6705,,,,, Multiplr: 1.00
 MS Integration Params: rteint.p

Method : C:\msdchem\1\met..._VN6705_082024.M (RTE Integrator)
 Title : Standard Methods 6200B
 Last Update : Tue Aug 20 14:01:28 2024
 Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1 I	Fluorobenzene	1.000	1.000	0.0	106	0.00	6.34
	----- Amount	Calc.	%Drift	-----			
2	Vinyl Chloride	10.000	8.338	16.6	89	0.00	2.06
3	Chloromethane	10.000	8.095	19.0	85	0.00	1.98
	----- AvgRF	CCRF	%Dev	-----			
4	1,1-Dichloroethene	0.147	0.153	-4.1	117	0.00	3.15
	----- Amount	Calc.	%Drift	-----			
5	Methylene Chloride	10.000	10.751	-7.5	120	0.00	3.71
	----- AvgRF	CCRF	%Dev	-----			
6	trans-1,2-Dichloroethene	0.123	0.132	-7.3	121	0.00	3.88
7	1,1-Dichloroethane	0.165	0.173	-4.8	118	0.00	4.49
8	cis-1,2-Dichloroethene	0.072	0.076	-5.6	120	0.00	5.04
	----- Amount	Calc.	%Drift	-----			
9	Chloroform	10.000	10.626	-6.3	119	0.00	5.30
	----- AvgRF	CCRF	%Dev	-----			
10	Carbon Tetrachloride	0.075	0.080	-6.7	121	0.00	5.47
11	1,1,1-Trichloroethane	0.106	0.116	-9.4	124	0.00	5.53
12	Benzene	0.267	0.286	-7.1	121	0.00	5.91
13 S	1,2-Dichloroethane-d4	0.430	0.408	5.1	103	0.00	6.04
14	1,2-Dichloroethane	0.126	0.139	-10.3	120	0.00	6.12
15	Trichloroethene	0.075	0.082	-9.3	124	0.00	6.53
16	1,2-Dichloropropane	0.084	0.091	-8.3	121	0.00	7.05
17	cis-1,3-Dichloropropene	0.067	0.076	-13.4	120	0.00	7.77
18 I	Chlorobenzene-d5	1.000	1.000	0.0	105	0.00	9.52
19 S	Toluene-d8	1.104	1.144	-3.6	108	0.00	7.95
	----- Amount	Calc.	%Drift	-----			
20	trans-1,3-Dichloropropene	10.000	10.987	-9.9	110	0.00	8.42
	----- AvgRF	CCRF	%Dev	-----			
21	Tetrachloroethene	0.113	0.131	-15.9	126	0.00	8.41
22	1,4-Dichlorobenzene	0.256	0.290	-13.3	119	0.00	11.91
	----- Amount	Calc.	%Drift	-----			
23	1,2-Dibromo-3-Chloropropa	10.000	10.883	-8.8	111	0.00	13.18

Initial Calibration Verification

Job Number: FC18261
Account: AHTNACAS Ahtna Global, LLC
Project: Fort Ord Groundwater Monitoring

Sample: VN6705-ICV6705
Lab FileID: N0132209.D

(#) = Out of Range SPCC's out = 0 CCC's out = 0
N0132202.D SIMCL_VN6705_082024.M Tue Aug 20 14:16:10 2024

6.7.2

6

Continuing Calibration Summary

Job Number: FC18261
 Account: AHTNACAS Ahtna Global, LLC
 Project: Fort Ord Groundwater Monitoring

Sample: VN6708-CC6705
 Lab FileID: N0132252.D

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\data\08-26-24\N0132252.D Vial: 2
 Acq On : 26 Aug 2024 6:54 am Operator: jeniferw
 Sample : CC6705-5 Inst : MSVOA6-N
 Misc : MS57352,VN6708,,,,, Multiplr: 1.00
 MS Integration Params: rteint.p

Method : C:\msdchem\1\met..._VN6705_082024.M (RTE Integrator)
 Title : Standard Methods 6200B
 Last Update : Tue Aug 20 14:01:28 2024
 Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1 I	Fluorobenzene	1.000	1.000	0.0	111	0.00	6.34
	----- Amount	Calc.	%Drift	-----			
2	Vinyl Chloride	10.000	10.907	-9.1	123	0.00	2.06
3	Chloromethane	10.000	10.418	-4.2	114	0.00	1.98
	----- AvgRF	CCRF	%Dev	-----			
4	1,1-Dichloroethene	0.147	0.137	6.8	111	0.00	3.15
	----- Amount	Calc.	%Drift	-----			
5	Methylene Chloride	10.000	9.633	3.7	115	0.00	3.71
	----- AvgRF	CCRF	%Dev	-----			
6	trans-1,2-Dichloroethene	0.123	0.122	0.8	117	0.00	3.88
7	1,1-Dichloroethane	0.165	0.162	1.8	115	0.00	4.49
8	cis-1,2-Dichloroethene	0.072	0.073	-1.4	122	0.00	5.04
	----- Amount	Calc.	%Drift	-----			
9	Chloroform	10.000	9.551	4.5	114	0.00	5.30
	----- AvgRF	CCRF	%Dev	-----			
10	Carbon Tetrachloride	0.075	0.063	16.0	99	0.00	5.47
11	1,1,1-Trichloroethane	0.106	0.097	8.5	108	0.00	5.53
12	Benzene	0.267	0.266	0.4	118	0.00	5.91
13 S	1,2-Dichloroethane-d4	0.430	0.374	13.0	99	0.00	6.04
14	1,2-Dichloroethane	0.126	0.122	3.2	111	0.00	6.12
15	Trichloroethene	0.075	0.074	1.3	116	0.00	6.53
16	1,2-Dichloropropane	0.084	0.083	1.2	116	0.00	7.05
17	cis-1,3-Dichloropropene	0.067	0.074	-10.4	123	0.00	7.76
18 I	Chlorobenzene-d5	1.000	1.000	0.0	112	0.00	9.51
19 S	Toluene-d8	1.104	1.177	-6.6	119	0.00	7.95
	----- Amount	Calc.	%Drift	-----			
20	trans-1,3-Dichloropropene	10.000	11.525	-15.3	125	0.00	8.42
	----- AvgRF	CCRF	%Dev	-----			
21	Tetrachloroethene	0.113	0.117	-3.5	120	0.00	8.41
22	1,4-Dichlorobenzene	0.256	0.256	0.0	113	0.00	11.91
	----- Amount	Calc.	%Drift	-----			
23	1,2-Dibromo-3-Chloropropa	10.000	8.173	18.3	89	0.00	13.18

Continuing Calibration Summary

Job Number: FC18261
Account: AHTNACAS Ahtna Global, LLC
Project: Fort Ord Groundwater Monitoring

Sample: VN6708-CC6705
Lab FileID: N0132252.D

(#) = Out of Range SPCC's out = 0 CCC's out = 0
N0132202.D SIMCL_VN6705_082024.M Mon Aug 26 07:40:10 2024

Continuing Calibration Summary

Job Number: FC18261
 Account: AHTNACAS Ahtna Global, LLC
 Project: Fort Ord Groundwater Monitoring

Sample: VN6708-ECC6705
 Lab FileID: N0132278.D

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\data\08-26-24\N0132278.D Vial: 28
 Acq On : 26 Aug 2024 5:12 pm Operator: jeniferw
 Sample : ECC6705-5 Inst : MSVOA6-N
 Misc : MS57355,VN6708,,,,, Multiplr: 1.00
 MS Integration Params: rteint.p

Method : C:\msdchem\1\met..._VN6705_082024.M (RTE Integrator)
 Title : Standard Methods 6200B
 Last Update : Tue Aug 20 14:01:28 2024
 Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 50% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1 I	Fluorobenzene	1.000	1.000	0.0	98	0.00	6.34
	----- Amount	Calc.	%Drift	-----			
2	Vinyl Chloride	10.000	12.217	-22.2	121	0.00	2.06
3	Chloromethane	10.000	12.508	-25.1	121	0.00	1.98
	----- AvgRF	CCRF	%Dev	-----			
4	1,1-Dichloroethene	0.147	0.151	-2.7	107	0.00	3.15
	----- Amount	Calc.	%Drift	-----			
5	Methylene Chloride	10.000	11.943	-19.4	120	0.00	3.71
	----- AvgRF	CCRF	%Dev	-----			
6	trans-1,2-Dichloroethene	0.123	0.132	-7.3	111	0.00	3.88
7	1,1-Dichloroethane	0.165	0.179	-8.5	112	0.00	4.49
8	cis-1,2-Dichloroethene	0.072	0.080	-11.1	117	0.00	5.04
	----- Amount	Calc.	%Drift	-----			
9	Chloroform	10.000	10.945	-9.5	112	0.00	5.30
	----- AvgRF	CCRF	%Dev	-----			
10	Carbon Tetrachloride	0.075	0.070	6.7	97	0.00	5.47
11	1,1,1-Trichloroethane	0.106	0.107	-0.9	105	0.00	5.53
12	Benzene	0.267	0.296	-10.9	116	0.00	5.91
13 S	1,2-Dichloroethane-d4	0.430	0.422	1.9	98	0.00	6.04
14	1,2-Dichloroethane	0.126	0.143	-13.5	114	0.00	6.12
15	Trichloroethene	0.075	0.081	-8.0	113	0.00	6.53
16	1,2-Dichloropropane	0.084	0.092	-9.5	113	0.00	7.05
17	cis-1,3-Dichloropropene	0.067	0.076	-13.4	111	0.00	7.77
18 I	Chlorobenzene-d5	1.000	1.000	0.0	98	0.00	9.52
19 S	Toluene-d8	1.104	1.108	-0.4	98	0.00	7.95
	----- Amount	Calc.	%Drift	-----			
20	trans-1,3-Dichloropropene	10.000	11.699	-17.0	112	0.00	8.42
	----- AvgRF	CCRF	%Dev	-----			
21	Tetrachloroethene	0.113	0.123	-8.8	111	0.00	8.41
22	1,4-Dichlorobenzene	0.256	0.287	-12.1	111	0.00	11.91
	----- Amount	Calc.	%Drift	-----			
23	1,2-Dibromo-3-Chloropropa	10.000	9.064	9.4	87	0.00	13.18

Continuing Calibration Summary

Job Number: FC18261
Account: AHTNACAS Ahtna Global, LLC
Project: Fort Ord Groundwater Monitoring

Sample: VN6708-ECC6705
Lab FileID: N0132278.D

(#) = Out of Range SPCC's out = 0 CCC's out = 0
N0132202.D SIMCL_VN6705_082024.M Tue Aug 27 05:38:49 2024

6.7.4

6

Continuing Calibration Summary

Job Number: FC18261
 Account: AHTNACAS Ahtna Global, LLC
 Project: Fort Ord Groundwater Monitoring

Sample: VN6711-CC6705
 Lab FileID: N0132342.D

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\data\08-29-24\N0132342.D Vial: 2
 Acq On : 29 Aug 2024 6:49 am Operator: jeniferw
 Sample : CC6705-5 Inst : MSVOA6-N
 Misc : MS57378,VN6711,,,,, Multiplr: 1.00
 MS Integration Params: rteint.p

Method : C:\msdchem\1\met..._VN6705_082024.M (RTE Integrator)
 Title : Standard Methods 6200B
 Last Update : Tue Aug 20 14:01:28 2024
 Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1 I	Fluorobenzene	1.000	1.000	0.0	103	0.00	6.34
	----- Amount	Calc.	%Drift	-----			
2	Vinyl Chloride	10.000	14.614	-46.1#	153	0.00	2.06
3	Chloromethane	10.000	11.888	-18.9	121	0.00	1.98
	----- AvgRF	CCRF	%Dev	-----			
4	1,1-Dichloroethene	0.147	0.133	9.5	100	0.00	3.15
	----- Amount	Calc.	%Drift	-----			
5	Methylene Chloride	10.000	14.706	-47.1#	147	0.00	3.71
	----- AvgRF	CCRF	%Dev	-----			
6	trans-1,2-Dichloroethene	0.123	0.121	1.6	108	0.00	3.88
7	1,1-Dichloroethane	0.165	0.165	0.0	109	0.00	4.48
8	cis-1,2-Dichloroethene	0.072	0.074	-2.8	114	0.00	5.04
	----- Amount	Calc.	%Drift	-----			
9	Chloroform	10.000	10.048	-0.5	110	0.00	5.30
	----- AvgRF	CCRF	%Dev	-----			
10	Carbon Tetrachloride	0.075	0.063	16.0	93	0.00	5.47
11	1,1,1-Trichloroethane	0.106	0.100	5.7	103	0.00	5.52
12	Benzene	0.267	0.266	0.4	110	0.00	5.91
13 S	1,2-Dichloroethane-d4	0.430	0.410	4.7	101	0.00	6.04
14	1,2-Dichloroethane	0.126	0.124	1.6	105	0.00	6.11
15	Trichloroethene	0.075	0.074	1.3	109	0.00	6.53
16	1,2-Dichloropropane	0.084	0.084	0.0	109	0.00	7.05
17	cis-1,3-Dichloropropene	0.067	0.071	-6.0	109	-0.01	7.76
18 I	Chlorobenzene-d5	1.000	1.000	0.0	106	0.00	9.51
19 S	Toluene-d8	1.104	1.119	-1.4	108	0.00	7.95
	----- Amount	Calc.	%Drift	-----			
20	trans-1,3-Dichloropropene	10.000	10.678	-6.8	108	0.00	8.42
	----- AvgRF	CCRF	%Dev	-----			
21	Tetrachloroethene	0.113	0.114	-0.9	111	0.00	8.41
22	1,4-Dichlorobenzene	0.256	0.270	-5.5	113	0.00	11.90
	----- Amount	Calc.	%Drift	-----			
23	1,2-Dibromo-3-Chloropropa	10.000	9.188	8.1	95	0.00	13.17

Continuing Calibration Summary

Job Number: FC18261
Account: AHTNACAS Ahtna Global, LLC
Project: Fort Ord Groundwater Monitoring

Sample: VN6711-CC6705
Lab FileID: N0132342.D

(#) = Out of Range SPCC's out = 0 CCC's out = 0
N0132202.D SIMCL_VN6705_082024.M Thu Aug 29 07:35:58 2024



Continuing Calibration Summary

Job Number: FC18261
 Account: AHTNACAS Ahtna Global, LLC
 Project: Fort Ord Groundwater Monitoring

Sample: VN6711-ECC6705
 Lab FileID: N0132369.D

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\data\08-29-24\N0132369.D Vial: 28
 Acq On : 29 Aug 2024 5:28 pm Operator: jeniferw
 Sample : ECC6705-5 Inst : MSVOA6-N
 Misc : MS57382,VN6711,,,,, Multiplr: 1.00
 MS Integration Params: rteint.p

Method : C:\msdchem\1\met..._VN6705_082024.M (RTE Integrator)
 Title : Standard Methods 6200B
 Last Update : Tue Aug 20 14:01:28 2024
 Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 50% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1 I	Fluorobenzene	1.000	1.000	0.0	105	0.00	6.34
	----- Amount	Calc.	%Drift	-----			
2	Vinyl Chloride	10.000	10.923	-9.2	117	0.00	2.06
3	Chloromethane	10.000	10.679	-6.8	111	0.00	1.98
	----- AvgRF	CCRF	%Dev	-----			
4	1,1-Dichloroethene	0.147	0.127	13.6	98	0.00	3.15
	----- Amount	Calc.	%Drift	-----			
5	Methylene Chloride	10.000	13.391	-33.9	141	0.00	3.71
	----- AvgRF	CCRF	%Dev	-----			
6	trans-1,2-Dichloroethene	0.123	0.115	6.5	105	0.00	3.88
7	1,1-Dichloroethane	0.165	0.159	3.6	108	0.00	4.49
8	cis-1,2-Dichloroethene	0.072	0.069	4.2	110	0.00	5.04
	----- Amount	Calc.	%Drift	-----			
9	Chloroform	10.000	9.579	4.2	109	0.00	5.30
	----- AvgRF	CCRF	%Dev	-----			
10	Carbon Tetrachloride	0.075	0.062	17.3	93	0.00	5.47
11	1,1,1-Trichloroethane	0.106	0.097	8.5	102	0.00	5.53
12	Benzene	0.267	0.259	3.0	109	0.00	5.91
13 S	1,2-Dichloroethane-d4	0.430	0.435	-1.2	110	0.00	6.04
14	1,2-Dichloroethane	0.126	0.128	-1.6	110	0.00	6.12
15	Trichloroethene	0.075	0.071	5.3	107	0.00	6.53
16	1,2-Dichloropropane	0.084	0.081	3.6	107	0.00	7.05
17	cis-1,3-Dichloropropene	0.067	0.066	1.5	104	0.00	7.77
18 I	Chlorobenzene-d5	1.000	1.000	0.0	111	0.00	9.51
19 S	Toluene-d8	1.104	1.093	1.0	110	0.00	7.95
	----- Amount	Calc.	%Drift	-----			
20	trans-1,3-Dichloropropene	10.000	9.991	0.1	104	0.00	8.42
	----- AvgRF	CCRF	%Dev	-----			
21	Tetrachloroethene	0.113	0.108	4.4	110	0.00	8.41
22	1,4-Dichlorobenzene	0.256	0.246	3.9	108	0.00	11.91
	----- Amount	Calc.	%Drift	-----			
23	1,2-Dibromo-3-Chloropropa	10.000	6.913	30.9	75	0.00	13.18

Initial Calibration Summary

Job Number: FC18261
Account: AHTNACAS Ahtna Global, LLC
Project: Fort Ord Groundwater Monitoring

Sample: VZ3083-ICC3083
Lab FileID: Z76580.D

Response Factor Report MSVOA15-Z

Method : C:\msdchem\1\met...MCL-08-26-2024.M (RTE Integrator)
 Title : Standard Methods 6200B
 Last Update : Mon Aug 26 13:08:06 2024
 Response via : Initial Calibration

Calibration Files

1 =Z76576.D 2 =Z76577.D 3 =Z76578.D 4 =Z76579.D
 5 =Z76580.D 6 =Z76581.D 7 =Z76582.D

Compound	1	2	3	4	5	6	7	Avg	%RSD
1) I Fluorobenzene	-----ISTD-----								
2) Vinyl Chloride	1.260	0.984	0.802	0.725	0.655	0.605	0.563	0.799	30.94
	---- Linear regr., Force(0,0) ---- Coefficient = 0.9931								
	Response Ratio = 0.00000 + 0.59438 *A								
3) Chloromethane	2.111	1.356	1.146	0.994	0.893	0.811	0.745	1.151	40.99
	---- Linear regr., Force(0,0) ---- Coefficient = 0.9903								
	Response Ratio = 0.00000 + 0.79500 *A								
4) 1,1-Dichloroethen	1.270	0.935	0.803	0.798	0.729	0.669	0.657	0.837	25.42
	---- Quadratic regr., Force(0,0) ---- Coefficient = 0.9992								
	Response Ratio = 0.00000 + 0.79810 *A + -0.03682 *A^2								
5) Methylene Chlorid	1.118	0.323	0.163	0.103	0.086	0.075	0.071	0.277	E1 137.79
	---- Quadratic regr., Force(0,0) ---- Coefficient = 0.9927								
	Response Ratio = 0.00000 + 1.08585 *A + -0.09972 *A^2								
6) trans-1,2-Dichlor	1.238	0.865	0.787	0.769	0.714	0.657	0.642	0.810	25.15
	---- Quadratic regr., Force(0,0) ---- Coefficient = 0.9995								
	Response Ratio = 0.00000 + 0.78015 *A + -0.03588 *A^2								
7) 1,1-Dichloroethan	1.714	1.219	1.123	1.044	0.939	0.849	0.821	1.101	27.78
	---- Quadratic regr., Force(0,0) ---- Coefficient = 0.9991								
	Response Ratio = 0.00000 + 1.06014 *A + -0.06211 *A^2								
8) cis-1,2-Dichloroe	0.888	0.578	0.542	0.530	0.502	0.471	0.468	0.568	25.74
	---- Quadratic regr., Force(0,0) ---- Coefficient = 0.9996								
	Response Ratio = 0.00000 + 0.53176 *A + -0.01695 *A^2								
9) Chloroform	2.030	1.521	1.250	1.133	1.004	0.894	0.854	1.241	33.52
	---- Quadratic regr., Force(0,0) ---- Coefficient = 0.9989								
	Response Ratio = 0.00000 + 1.16134 *A + -0.07953 *A^2								
10) Carbon Tetrachlor	1.167	0.942	0.774	0.762	0.692	0.625	0.600	0.795	25.10
	---- Quadratic regr., Force(0,0) ---- Coefficient = 0.9994								
	Response Ratio = 0.00000 + 0.80996 *A + -0.05542 *A^2								
11) 1,1,1-Trichloroet	1.307	1.047	0.882	0.882	0.801	0.727	0.704	0.907	23.18
	---- Quadratic regr., Force(0,0) ---- Coefficient = 0.9993								
	Response Ratio = 0.00000 + 0.89289 *A + -0.04880 *A^2								
12) Benzene	2.587	1.591	1.518	1.557	1.538	1.465	1.468	1.675	24.16
	---- Quadratic regr., Force(0,0) ---- Coefficient = 0.9996								
	Response Ratio = 0.00000 + 1.58670 *A + -0.03223 *A^2								
13)S 1,2-Dichloroethan	0.468	0.495	0.494	0.434	0.396	0.370	0.341	0.428	14.26

6.7.7
6



Initial Calibration Summary

Job Number: FC18261
Account: AHTNACAS Ahtna Global, LLC
Project: Fort Ord Groundwater Monitoring

Sample: VZ3083-ICC3083
Lab FileID: Z76580.D

- 14) 1,2-Dichloroethan 1.339 0.852 0.815 0.764 0.687 0.618 0.595 0.810 31.15
---- Quadratic regr., Force(0,0) ---- Coefficient = 0.9991
Response Ratio = 0.00000 + 0.77883 *A + -0.04760 *A^2
- 15) Trichloroethene 0.794 0.491 0.451 0.466 0.463 0.444 0.444 0.508 25.10
---- Quadratic regr., Force(0,0) ---- Coefficient = 0.9998
Response Ratio = 0.00000 + 0.47014 *A + -0.00686 *A^2
- 16) 1,2-Dichloropropa 0.732 0.474 0.456 0.462 0.455 0.433 0.435 0.493 21.68
---- Quadratic regr., Force(0,0) ---- Coefficient = 0.9997
Response Ratio = 0.00000 + 0.46409 *A + -0.00778 *A^2
- 17) cis-1,3-Dichlorop 0.762 0.432 0.428 0.449 0.481 0.495 0.529 0.511 22.84
---- Quadratic regr., Force(0,0) ---- Coefficient = 0.9999
Response Ratio = 0.00000 + 0.42200 *A + 0.02629 *A^2
- 18) I Chlorobenzene-d5 -----ISTD-----
- 19)S Toluene-d8 0.854 0.843 0.799 0.759 0.774 0.807 0.844 0.811 4.55
- 20) trans-1,3-Dichlor 0.656 0.354 0.349 0.363 0.401 0.428 0.476 0.432 25.07
---- Quadratic regr., Force(0,0) ---- Coefficient = 0.9998
Response Ratio = 0.00000 + 0.31928 *A + 0.03856 *A^2
- 21) Tetrachloroethene 0.841 0.531 0.456 0.433 0.415 0.405 0.424 0.501 31.14
---- Quadratic regr., Force(0,0) ---- Coefficient = 0.9992
Response Ratio = 0.00000 + 0.40907 *A + 0.00256 *A^2
- 22) 1,4-Dichlorobenze 1.624 0.810 0.908 0.960 0.963 0.933 0.957 1.022 26.49
---- Quadratic regr., Force(0,0) ---- Coefficient = 0.9996
Response Ratio = 0.00000 + 0.94178 *A + 0.00263 *A^2
- 23) 1,2-Dibromo-3-Chl 0.240 0.108 0.095 0.088 0.085 0.084 0.088 0.113 50.59
---- Quadratic regr., Force(0,0) ---- Coefficient = 0.9994
Response Ratio = 0.00000 + 0.08300 *A + 0.00098 *A^2

(#) = Out of Range

SIMCL-08-26-2024.M

Tue Aug 27 07:24:17 2024



Initial Calibration Verification

Job Number: FC18261
Account: AHTNACAS Ahtna Global, LLC
Project: Fort Ord Groundwater Monitoring

Sample: VZ3083-ICV3083
Lab FileID: Z76585.D

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\data\082624\Z76585.D Vial: 12
 Acq On : 26 Aug 2024 12:48 pm Operator: claudias
 Sample : icv3083-5 Inst : MSVOA15-Z
 Misc : MS57344,VZ3083,,,,, Multiplr: 1.00
 MS Integration Params: micro.p

Method : C:\msdchem\1\met...MCL-08-26-2024.M (RTE Integrator)
 Title : Standard Methods 6200B
 Last Update : Mon Aug 26 13:08:06 2024
 Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 200%

Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1 I Fluorobenzene	1.000	1.000	0.0	107	0.00	7.89
----- Amount Calc. %Drift -----						
2 Vinyl Chloride	10.000	8.789	12.1	86	0.00	3.19
3 Chloromethane	10.000	8.572	14.3	82	0.00	3.12
4 1,1-Dichloroethene	10.000	10.392	-3.9	110	0.00	4.57
5 Methylene Chloride	10.000	9.654	3.5	108	0.00	5.21
6 trans-1,2-Dichloroethene	10.000	10.527	-5.3	111	0.00	5.39
7 1,1-Dichloroethane	10.000	9.922	0.8	106	0.00	6.06
8 cis-1,2-Dichloroethene	10.000	10.760	-7.6	114	0.00	6.62
9 Chloroform	10.000	9.872	1.3	106	0.00	6.88
10 Carbon Tetrachloride	10.000	9.922	0.8	108	0.00	7.05
11 1,1,1-Trichloroethane	10.000	10.353	-3.5	110	0.00	7.12
12 Benzene	10.000	10.493	-4.9	111	0.00	7.49
----- AvgRF CCRF %Dev -----						
13 S 1,2-Dichloroethane-d4	0.428	0.360	15.9	97	0.00	7.63
----- Amount Calc. %Drift -----						
14 1,2-Dichloroethane	10.000	10.024	-0.2	107	0.00	7.69
15 Trichloroethene	10.000	10.667	-6.7	113	0.00	8.06
16 1,2-Dichloropropane	10.000	10.578	-5.8	112	0.00	8.59
17 cis-1,3-Dichloropropene	10.000	10.706	-7.1	114	0.00	9.24
----- AvgRF CCRF %Dev -----						
18 I Chlorobenzene-d5	1.000	1.000	0.0	103	0.00	10.98
19 S Toluene-d8	0.811	0.823	-1.5	110	0.00	9.43
----- Amount Calc. %Drift -----						
20 trans-1,3-Dichloropropene	10.000	10.040	-0.4	102	0.00	9.87
21 Tetrachloroethene	10.000	11.073	-10.7	114	0.00	9.87
22 1,4-Dichlorobenzene	10.000	10.919	-9.2	111	0.00	13.35
23 1,2-Dibromo-3-Chloropropa	10.000	8.961	10.4	92	0.00	14.52

(#) = Out of Range SPCC's out = 0 CCC's out = 0
 Z76580.D SIMCL-08-26-2024.M Tue Aug 27 07:23:58 2024

6.7.8
6

Continuing Calibration Summary

Job Number: FC18261
Account: AHTNACAS Ahtna Global, LLC
Project: Fort Ord Groundwater Monitoring

Sample: VZ3083-ECC3083
Lab FileID: Z76600.D

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\data\082624\Z76600.D Vial: 27
 Acq On : 26 Aug 2024 7:17 pm Operator: claudias
 Sample : ECC3083-6 Inst : MSVOA15-Z
 Misc : MS57364,VZ3083,,,,, Multiplr: 1.00
 MS Integration Params: micro.p

Method : C:\msdchem\1\met...MCL-08-26-2024.M (RTE Integrator)
 Title : Standard Methods 6200B
 Last Update : Mon Aug 26 13:08:06 2024
 Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 50% Max. Rel. Area : 200%

Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1 I Fluorobenzene	1.000	1.000	0.0	95	0.00	7.89
----- Amount Calc. %Drift -----						
2 Vinyl Chloride	10.000	11.041	-10.4	95	0.00	3.18
3 Chloromethane	10.000	11.163	-11.6	94	0.00	3.12
4 1,1-Dichloroethene	10.000	10.430	-4.3	98	0.00	4.56
5 Methylene Chloride	10.000	10.591	-5.9	102	0.00	5.21
6 trans-1,2-Dichloroethene	10.000	10.445	-4.5	98	0.00	5.38
7 1,1-Dichloroethane	10.000	10.420	-4.2	98	0.00	6.06
8 cis-1,2-Dichloroethene	10.000	10.599	-6.0	99	0.00	6.62
9 Chloroform	10.000	10.395	-3.9	98	0.00	6.88
10 Carbon Tetrachloride	10.000	10.077	-0.8	97	0.00	7.05
11 1,1,1-Trichloroethane	10.000	10.405	-4.0	98	0.00	7.12
12 Benzene	10.000	10.352	-3.5	97	0.00	7.49
----- AvgRF CCRF %Dev -----						
13 S 1,2-Dichloroethane-d4	0.428	0.399	6.8	96	0.00	7.63
----- Amount Calc. %Drift -----						
14 1,2-Dichloroethane	10.000	10.424	-4.2	98	0.00	7.69
15 Trichloroethene	10.000	10.393	-3.9	97	0.00	8.06
16 1,2-Dichloropropane	10.000	10.440	-4.4	97	0.00	8.59
17 cis-1,3-Dichloropropene	10.000	10.185	-1.9	96	0.00	9.25
----- AvgRF CCRF %Dev -----						
18 I Chlorobenzene-d5	1.000	1.000	0.0	98	0.00	10.98
19 S Toluene-d8	0.811	0.760	6.3	96	0.00	9.43
----- Amount Calc. %Drift -----						
20 trans-1,3-Dichloropropene	10.000	9.858	1.4	95	0.00	9.87
21 Tetrachloroethene	10.000	10.054	-0.5	98	0.00	9.87
22 1,4-Dichlorobenzene	10.000	10.362	-3.6	100	0.00	13.35
23 1,2-Dibromo-3-Chloropropa	10.000	9.823	1.8	96	0.00	14.52

(#) = Out of Range SPCC's out = 0 CCC's out = 0
 Z76580.D SIMCL-08-26-2024.M Tue Aug 27 07:40:23 2024

6.7.9
6

Initial Calibration Summary

Job Number: FC18261
Account: AHTNACAS Ahtna Global, LLC
Project: Fort Ord Groundwater Monitoring

Sample: VZ3084-ICC3084
Lab FileID: Z76607.D

Response Factor Report MSVOA15-Z

Method : C:\msdchem\1\met...MCL-08-28-2024.M (RTE Integrator)
 Title : Standard Methods 6200B
 Last Update : Wed Aug 28 11:30:23 2024
 Response via : Initial Calibration

Calibration Files

1 =Z76603.D 2 =Z76604.D 3 =Z76605.D 4 =Z76606.D
 5 =Z76607.D 6 =Z76608.D 7 =Z76609.D

Compound	1	2	3	4	5	6	7	Avg	%RSD

1) I Fluorobenzene	-----ISTD-----								
2) Vinyl Chloride	3.087	1.012	0.556	0.503	0.479	0.452	0.435	0.932	104.18
	---- Quadratic regr., Force(0,0) ---- Coefficient = 0.9993								
	Response Ratio = 0.00000 + 0.52615 *A + -0.02329 *A^2								
3) Chloromethane	2.523	0.959	0.605	0.563	0.550	0.521	0.500	0.889	83.00
	---- Quadratic regr., Force(0,0) ---- Coefficient = 0.9996								
	Response Ratio = 0.00000 + 0.59622 *A + -0.02423 *A^2								
4) 1,1-Dichloroethen	0.877	0.664	0.596	0.575	0.527	0.520	0.480	0.605	22.10
	---- Quadratic regr., Force(0,0) ---- Coefficient = 0.9995								
	Response Ratio = 0.00000 + 0.59770 *A + -0.02887 *A^2								
5) Methylene Chlorid	8.589	2.190	1.016	0.727	0.601	0.557	0.499	2.026	145.79
	---- Quadratic regr., Force(0,0) ---- Coefficient = 0.9956								
	Response Ratio = 0.00000 + 0.77053 *A + -0.06924 *A^2								
6) trans-1,2-Dichlor	0.751	0.607	0.568	0.547	0.508	0.507	0.469	0.565	16.55
	---- Quadratic regr., Force(0,0) ---- Coefficient = 0.9994								
	Response Ratio = 0.00000 + 0.56981 *A + -0.02450 *A^2								
7) 1,1-Dichloroethan	0.926	0.787	0.739	0.727	0.669	0.668	0.620	0.734	13.79
	---- Linear regr., Force(0,0) ---- Coefficient = 0.9968								
	Response Ratio = 0.00000 + 0.64509 *A								
8) cis-1,2-Dichloroe	0.659	0.467	0.453	0.442	0.411	0.412	0.382	0.461	19.94
	---- Quadratic regression ---- Coefficient = 0.9994								
	Response Ratio = 0.00106 + 0.45841 *A + -0.01862 *A^2								
9) Chloroform	1.108	0.825	1.049	0.868	0.757	0.739	0.679	0.861	18.78
	---- Quadratic regr., Force(0,0) ---- Coefficient = 0.9987								
	Response Ratio = 0.00000 + 0.89510 *A + -0.05419 *A^2								
10) Carbon Tetrachlor	0.917	0.701	0.694	0.622	0.554	0.546	0.503	0.648	21.66
	---- Quadratic regr., Force(0,0) ---- Coefficient = 0.9992								
	Response Ratio = 0.00000 + 0.66516 *A + -0.04150 *A^2								
11) 1,1,1-Trichloroet	1.142	0.759	0.771	0.707	0.620	0.626	0.579	0.743	25.57
	---- Quadratic regr., Force(0,0) ---- Coefficient = 0.9989								
	Response Ratio = 0.00000 + 0.71523 *A + -0.03354 *A^2								
12) Benzene	1.880	1.455	1.405	1.398	1.334	1.377	1.298	1.449	13.57
13)S 1,2-Dichloroethan	0.301	0.312	0.326	0.310	0.295	0.291	0.286	0.303	4.61
14) 1,2-Dichloroethan	0.711	0.552	0.544	0.540	0.497	0.498	0.462	0.543	14.82
	---- Quadratic regr., Force(0,0) ---- Coefficient = 0.9994								
	Response Ratio = 0.00000 + 0.55725 *A + -0.02314 *A^2								

6.7.10
6

Initial Calibration Summary

Job Number: FC18261
Account: AHTNACAS Ahtna Global, LLC
Project: Fort Ord Groundwater Monitoring

Sample: VZ3084-ICC3084
Lab FileID: Z76607.D

- 15) Trichloroethene 0.554 0.401 0.391 0.387 0.373 0.386 0.362 0.408 16.13
---- Quadratic regr., Force(0,0) ---- Coefficient = 0.9990
Response Ratio = 0.00000 + 0.40128 *A + -0.00897 *A^2
- 16) 1,2-Dichloropropa 0.511 0.390 0.383 0.391 0.371 0.381 0.355 0.397 12.96
17) cis-1,3-Dichlorop 0.837 0.597 0.596 0.606 0.584 0.605 0.566 0.627 14.91
---- Quadratic regr., Force(0,0) ---- Coefficient = 0.9990
Response Ratio = 0.00000 + 0.62772 *A + -0.01386 *A^2
- 18) I Chlorobenzene-d5 -----ISTD-----
19)S Toluene-d8 1.128 1.121 1.112 1.104 1.113 1.112 1.116 1.115 0.68
20) trans-1,3-Dichlor 0.802 0.511 0.514 0.521 0.525 0.563 0.536 0.567 18.51
---- Quadratic regr., Force(0,0) ---- Coefficient = 0.9986
Response Ratio = 0.00000 + 0.53685 *A + 0.00156 *A^2
- 21) Tetrachloroethene 0.673 0.431 0.384 0.373 0.362 0.375 0.356 0.422 26.88
---- Quadratic regr., Force(0,0) ---- Coefficient = 0.9992
Response Ratio = 0.00000 + 0.38455 *A + -0.00653 *A^2
- 22) 1,4-Dichlorobenze 1.466 0.855 0.839 0.874 0.856 0.886 0.827 0.943 24.54
---- Linear regr., Force(0,0) ---- Coefficient = 0.9981
Response Ratio = 0.00000 + 0.85017 *A
- 23) 1,2-Dibromo-3-Chl 0.276 0.129 0.115 0.118 0.109 0.111 0.104 0.137 44.85
---- Quadratic regr., Force(0,0) ---- Coefficient = 0.9993
Response Ratio = 0.00000 + 0.11991 *A + -0.00370 *A^2

(#) = Out of Range

SIMCL-08-28-2024.M

Wed Aug 28 12:39:52 2024

6.7.10
6

Initial Calibration Verification

Job Number: FC18261
Account: AHTNACAS Ahtna Global, LLC
Project: Fort Ord Groundwater Monitoring

Sample: VZ3084-ICV3084
Lab FileID: Z76611.D

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\data\082824\Z76611.D Vial: 11
 Acq On : 28 Aug 2024 11:43 am Operator: claudias
 Sample : icv3084-5 Inst : MSVOA15-Z
 Misc : MS57344,VZ3084,,,,, Multiplr: 1.00
 MS Integration Params: micro.p

Method : C:\msdchem\1\met...MCL-08-28-2024.M (RTE Integrator)
 Title : Standard Methods 6200B
 Last Update : Wed Aug 28 11:30:23 2024
 Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 200%

Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1 I Fluorobenzene	1.000	1.000	0.0	104	0.00	7.89
----- Amount Calc. %Drift -----						
2 Vinyl Chloride	10.000	8.263	17.4	88	0.00	3.19
3 Chloromethane	10.000	8.151	18.5	86	0.00	3.13
4 1,1-Dichloroethene	10.000	10.149	-1.5	109	0.00	4.57
5 Methylene Chloride	10.000	10.019	-0.2	110	0.00	5.21
6 trans-1,2-Dichloroethene	10.000	10.428	-4.3	111	0.00	5.39
7 1,1-Dichloroethane	10.000	10.758	-7.6	108	0.00	6.06
8 cis-1,2-Dichloroethene	10.000	10.302	-3.0	110	0.00	6.62
9 Chloroform	10.000	9.932	0.7	108	0.00	6.88
10 Carbon Tetrachloride	10.000	9.924	0.8	109	0.00	7.05
11 1,1,1-Trichloroethane	10.000	10.210	-2.1	111	0.00	7.13
----- AvgRF CCRF %Dev -----						
12 Benzene	1.449	1.430	1.3	112	0.00	7.49
13 S 1,2-Dichloroethane-d4	0.303	0.292	3.6	103	0.00	7.63
----- Amount Calc. %Drift -----						
14 1,2-Dichloroethane	10.000	10.396	-4.0	111	0.00	7.70
15 Trichloroethene	10.000	10.628	-6.3	114	0.00	8.06
----- AvgRF CCRF %Dev -----						
16 1,2-Dichloropropane	0.397	0.400	-0.8	113	0.00	8.59
----- Amount Calc. %Drift -----						
17 cis-1,3-Dichloropropene	10.000	10.097	-1.0	108	0.00	9.24
----- AvgRF CCRF %Dev -----						
18 I Chlorobenzene-d5	1.000	1.000	0.0	104	0.00	10.98
19 S Toluene-d8	1.115	1.111	0.4	103	0.00	9.43
----- Amount Calc. %Drift -----						
20 trans-1,3-Dichloropropene	10.000	9.423	5.8	101	0.00	9.87
21 Tetrachloroethene	10.000	10.507	-5.1	112	0.00	9.87
22 1,4-Dichlorobenzene	10.000	10.637	-6.4	110	0.00	13.35
23 1,2-Dibromo-3-Chloropropa	10.000	10.154	-1.5	108	0.00	14.52

(#) = Out of Range

SPCC's out = 0 CCC's out = 0



Initial Calibration Verification

Job Number: FC18261
Account: AHTNACAS Ahtna Global, LLC
Project: Fort Ord Groundwater Monitoring

Sample: VZ3084-ICV3084
Lab FileID: Z76611.D

Z76607.D SIMCL-08-28-2024.M

Wed Aug 28 12:39:18 2024

6.7.11

6

Continuing Calibration Summary

Job Number: FC18261
Account: AHTNACAS Ahtna Global, LLC
Project: Fort Ord Groundwater Monitoring

Sample: VZ3085-CC3084
Lab FileID: Z76613.D

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\data\082824\Z76613.D Vial: 2
 Acq On : 28 Aug 2024 12:48 pm Operator: claudias
 Sample : cc3084-5 Inst : MSVOA15-Z
 Misc : MS57344,VZ3085,,,,, Multiplr: 1.00
 MS Integration Params: micro.p

Method : C:\msdchem\1\met...MCL-08-28-2024.M (RTE Integrator)
 Title : Standard Methods 6200B
 Last Update : Wed Aug 28 11:30:23 2024
 Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 200%

Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1 I Fluorobenzene	1.000	1.000	0.0	105	0.00	7.89
----- Amount Calc. %Drift -----						
2 Vinyl Chloride	10.000	9.554	4.5	101	0.00	3.19
3 Chloromethane	10.000	9.509	4.9	100	0.00	3.13
4 1,1-Dichloroethene	10.000	9.760	2.4	106	0.00	4.56
5 Methylene Chloride	10.000	9.810	1.9	109	0.00	5.21
6 trans-1,2-Dichloroethene	10.000	9.947	0.5	108	0.00	5.39
7 1,1-Dichloroethane	10.000	10.470	-4.7	106	0.00	6.06
8 cis-1,2-Dichloroethene	10.000	9.860	1.4	107	0.00	6.62
9 Chloroform	10.000	9.456	5.4	104	0.00	6.88
10 Carbon Tetrachloride	10.000	9.263	7.4	104	0.00	7.05
11 1,1,1-Trichloroethane	10.000	9.698	3.0	107	0.00	7.12
----- AvgRF CCRF %Dev -----						
12 Benzene	1.449	1.376	5.0	109	0.00	7.49
13 S 1,2-Dichloroethane-d4	0.303	0.296	2.3	106	0.00	7.63
----- Amount Calc. %Drift -----						
14 1,2-Dichloroethane	10.000	9.813	1.9	107	0.00	7.69
15 Trichloroethene	10.000	9.971	0.3	108	0.00	8.06
----- AvgRF CCRF %Dev -----						
16 1,2-Dichloropropane	0.397	0.381	4.0	108	0.00	8.59
----- Amount Calc. %Drift -----						
17 cis-1,3-Dichloropropene	10.000	9.986	0.1	108	0.00	9.24
----- AvgRF CCRF %Dev -----						
18 I Chlorobenzene-d5	1.000	1.000	0.0	106	0.00	10.98
19 S Toluene-d8	1.115	1.105	0.9	106	0.00	9.43
----- Amount Calc. %Drift -----						
20 trans-1,3-Dichloropropene	10.000	9.949	0.5	109	0.00	9.87
21 Tetrachloroethene	10.000	9.733	2.7	106	0.00	9.87
22 1,4-Dichlorobenzene	10.000	9.979	0.2	105	0.00	13.35
23 1,2-Dibromo-3-Chloropropa	10.000	9.812	1.9	107	0.00	14.52

(#) = Out of Range

SPCC's out = 0 CCC's out = 0



6.7.12
6

Continuing Calibration Summary

Job Number: FC18261
Account: AHTNACAS Ahtna Global, LLC
Project: Fort Ord Groundwater Monitoring

Sample: VZ3085-CC3084
Lab FileID: Z76613.D

Z76607.D SIMCL-08-28-2024.M

Thu Aug 29 07:26:56 2024

Continuing Calibration Summary

Job Number: FC18261
Account: AHTNACAS Ahtna Global, LLC
Project: Fort Ord Groundwater Monitoring

Sample: VZ3085-ECC3084
Lab FileID: Z76639.D

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\data\082824\Z76639.D
 Acq On : 28 Aug 2024 11:24 pm
 Sample : ecc3084-5
 Misc : MS57380,VZ3085,,,,,
 MS Integration Params: micro.p
 Vial: 28
 Operator: claudias
 Inst : MSVOA15-Z
 Multiplr: 1.00

Method : C:\msdchem\1\met...MCL-08-28-2024.M (RTE Integrator)
 Title : Standard Methods 6200B
 Last Update : Wed Aug 28 11:30:23 2024
 Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 50% Max. Rel. Area : 200%

Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1 I Fluorobenzene	1.000	1.000	0.0	117	0.00	7.89
----- Amount Calc. %Drift -----						
2 Vinyl Chloride	10.000	9.768	2.3	115	0.00	3.18
3 Chloromethane	10.000	10.052	-0.5	117	0.00	3.13
4 1,1-Dichloroethene	10.000	10.129	-1.3	122	0.00	4.56
5 Methylene Chloride	10.000	14.172	-41.7	159	0.00	5.21
6 trans-1,2-Dichloroethene	10.000	10.106	-1.1	121	0.00	5.39
7 1,1-Dichloroethane	10.000	10.883	-8.8	123	0.00	6.06
8 cis-1,2-Dichloroethene	10.000	9.931	0.7	119	0.00	6.62
9 Chloroform	10.000	9.404	6.0	116	0.00	6.88
10 Carbon Tetrachloride	10.000	8.961	10.4	112	0.00	7.05
11 1,1,1-Trichloroethane	10.000	9.671	3.3	119	0.00	7.12
----- AvgRF CCRF %Dev -----						
12 Benzene	1.449	1.395	3.7	123	0.00	7.49
13 S 1,2-Dichloroethane-d4	0.303	0.310	-2.3	123	0.00	7.63
----- Amount Calc. %Drift -----						
14 1,2-Dichloroethane	10.000	10.208	-2.1	123	0.00	7.70
15 Trichloroethene	10.000	9.720	2.8	117	0.00	8.06
----- AvgRF CCRF %Dev -----						
16 1,2-Dichloropropane	0.397	0.390	1.8	123	0.00	8.59
----- Amount Calc. %Drift -----						
17 cis-1,3-Dichloropropene	10.000	9.436	5.6	114	0.00	9.25
----- AvgRF CCRF %Dev -----						
18 I Chlorobenzene-d5	1.000	1.000	0.0	121	0.00	10.98
19 S Toluene-d8	1.115	1.084	2.8	118	0.00	9.43
----- Amount Calc. %Drift -----						
20 trans-1,3-Dichloropropene	10.000	9.109	8.9	114	0.00	9.87
21 Tetrachloroethene	10.000	8.914	10.9	111	0.00	9.87
22 1,4-Dichlorobenzene	10.000	9.418	5.8	113	0.00	13.35
23 1,2-Dibromo-3-Chloropropa	10.000	9.070	9.3	114	0.00	14.52

(#) = Out of Range

SPCC's out = 0 CCC's out = 0



Continuing Calibration Summary

Job Number: FC18261
Account: AHTNACAS Ahtna Global, LLC
Project: Fort Ord Groundwater Monitoring

Sample: VZ3085-ECC3084
Lab FileID: Z76639.D

Z76607.D SIMCL-08-28-2024.M

Thu Aug 29 07:38:45 2024

Run Sequence Report

Job Number: FC18261
Account: AHTNACAS Ahtna Global, LLC
Project: Fort Ord Groundwater Monitoring

Run ID: VN6705	Method: SW846 8260D BY SIM	Instrument ID: GCMSN
-----------------------	-----------------------------------	-----------------------------

Lab Sample ID	Lab File ID	Date/Time Analyzed	Prep QC Batch	Client Sample ID
VN6705-BFB	N0132197.D	08/20/24 09:04	n/a	BFB Tune
VN6705-IC6705	N0132200.D	08/20/24 10:17	n/a	Initial cal 3
VN6705-IC6705	N0132201.D	08/20/24 10:41	n/a	Initial cal 4
VN6705-ICC6705	N0132202.D	08/20/24 11:04	n/a	Initial cal 5
VN6705-IC6705	N0132203.D	08/20/24 11:28	n/a	Initial cal 6
VN6705-IC6705	N0132204.D	08/20/24 11:51	n/a	Initial cal 7
VN6705-IC6705	N0132207.D	08/20/24 13:05	n/a	Initial cal 1
VN6705-IC6705	N0132208.D	08/20/24 13:28	n/a	Initial cal 2
VN6705-ICV6705	N0132209.D	08/20/24 13:52	n/a	Initial cal verification 5

Run Sequence Report

Job Number: FC18261
Account: AHTNACAS Ahtna Global, LLC
Project: Fort Ord Groundwater Monitoring

Run ID: VN6708 **Method:** SW846 8260D BY SIM **Instrument ID:** GCMSN

Lab Sample ID	Lab File ID	Date/Time Analyzed	Prep QC Batch	Client Sample ID
VN6708-BFB	N0132251.D	08/26/24 06:31	n/a	BFB Tune
VN6708-CC6705	N0132252.D	08/26/24 06:54	n/a	Continuing cal 5
VN6708-BS	N0132253.D	08/26/24 07:18	n/a	Blank Spike
VN6708-MB	N0132255.D	08/26/24 08:05	n/a	Method Blank
FC18261-1	N0132256.D	08/26/24 08:37	n/a	24340BWX211A
FC18259-1	N0132257.D	08/26/24 09:00	n/a	(used for QC only; not part of job FC18261)
ZZZZZZ	N0132258.D	08/26/24 09:24	n/a	(unrelated sample)
ZZZZZZ	N0132259.D	08/26/24 09:47	n/a	(unrelated sample)
ZZZZZZ	N0132260.D	08/26/24 10:11	n/a	(unrelated sample)
FC18261-2	N0132261.D	08/26/24 10:34	n/a	2434X0BW037F
FC18261-3	N0132262.D	08/26/24 10:58	n/a	2434X0BW181F
FC18261-4	N0132263.D	08/26/24 11:21	n/a	2434X0BW033F
FC18261-5	N0132264.D	08/26/24 11:44	n/a	2434X0BW180F
FC18261-6	N0132265.D	08/26/24 12:08	n/a	2434X0BW044F
FC18261-7	N0132266.D	08/26/24 12:31	n/a	2434X0BW187F
FC18261-8	N0132267.D	08/26/24 12:55	n/a	2434X0BW065D
FC18261-9	N0132268.D	08/26/24 13:18	n/a	2434X0BW032F
FC18261-10	N0132269.D	08/26/24 13:42	n/a	2434X0BW047F
FC18261-11	N0132270.D	08/26/24 14:05	n/a	2434X0BW189F
FC18261-12	N0132271.D	08/26/24 14:29	n/a	2434X0BW046F
FC18261-13	N0132272.D	08/26/24 14:52	n/a	2434X0BW188F
FC18261-14	N0132273.D	08/26/24 15:15	n/a	2434X0BW045F
FC18261-15	N0132274.D	08/26/24 15:39	n/a	2434X0BW041F
FC18261-16	N0132275.D	08/26/24 16:02	n/a	2434X0BW184F
FC18259-IMS	N0132276.D	08/26/24 16:25	n/a	Matrix Spike
FC18259-IMSD	N0132277.D	08/26/24 16:49	n/a	Matrix Spike Duplicate
VN6708-ECC6705	N0132278.D	08/26/24 17:12	n/a	Ending cal 5

Run Sequence Report

Job Number: FC18261
Account: AHTNACAS Ahtna Global, LLC
Project: Fort Ord Groundwater Monitoring

Run ID: VN6711 **Method:** SW846 8260D BY SIM **Instrument ID:** GCMSN

Lab Sample ID	Lab File ID	Date/Time Analyzed	Prep QC Batch	Client Sample ID
VN6711-BFB	N0132341.D	08/29/24 06:22	n/a	BFB Tune
VN6711-CC6705	N0132342.D	08/29/24 06:49	n/a	Continuing cal 5
VN6711-BS	N0132343.D	08/29/24 07:14	n/a	Blank Spike
VN6711-MB	N0132345.D	08/29/24 08:03	n/a	Method Blank
FC18256-4	N0132346.D	08/29/24 08:34	n/a	(used for QC only; not part of job FC18261)
ZZZZZZ	N0132347.D	08/29/24 08:59	n/a	(unrelated sample)
ZZZZZZ	N0132348.D	08/29/24 09:24	n/a	(unrelated sample)
ZZZZZZ	N0132349.D	08/29/24 09:48	n/a	(unrelated sample)
ZZZZZZ	N0132350.D	08/29/24 10:13	n/a	(unrelated sample)
ZZZZZZ	N0132351.D	08/29/24 10:38	n/a	(unrelated sample)
ZZZZZZ	N0132352.D	08/29/24 11:02	n/a	(unrelated sample)
ZZZZZZ	N0132354.D	08/29/24 11:29	n/a	(unrelated sample)
ZZZZZZ	N0132355.D	08/29/24 11:54	n/a	(unrelated sample)
FC18261-18	N0132356.D	08/29/24 12:18	n/a	2434X0BW185F
ZZZZZZ	N0132357.D	08/29/24 12:43	n/a	(unrelated sample)
ZZZZZZ	N0132358.D	08/29/24 13:07	n/a	(unrelated sample)
ZZZZZZ	N0132359.D	08/29/24 13:31	n/a	(unrelated sample)
ZZZZZZ	N0132360.D	08/29/24 13:56	n/a	(unrelated sample)
ZZZZZZ	N0132361.D	08/29/24 14:20	n/a	(unrelated sample)
ZZZZZZ	N0132362.D	08/29/24 14:44	n/a	(unrelated sample)
ZZZZZZ	N0132363.D	08/29/24 15:07	n/a	(unrelated sample)
ZZZZZZ	N0132364.D	08/29/24 15:31	n/a	(unrelated sample)
ZZZZZZ	N0132365.D	08/29/24 15:54	n/a	(unrelated sample)
ZZZZZZ	N0132366.D	08/29/24 16:18	n/a	(unrelated sample)
FC18256-4MS	N0132367.D	08/29/24 16:41	n/a	Matrix Spike
FC18256-4MSD	N0132368.D	08/29/24 17:05	n/a	Matrix Spike Duplicate
VN6711-ECC6705	N0132369.D	08/29/24 17:28	n/a	Ending cal 5

Run Sequence Report

Job Number: FC18261
Account: AHTNACAS Ahtna Global, LLC
Project: Fort Ord Groundwater Monitoring

Run ID: VZ3083 **Method:** SW846 8260D BY SIM **Instrument ID:** GCMSZ

Lab Sample ID	Lab File ID	Date/Time Analyzed	Prep QC Batch	Client Sample ID
VZ3083-BFB	Z76574.D	08/26/24 07:35	n/a	BFB Tune
VZ3083-IC3083	Z76576.D	08/26/24 08:32	n/a	Initial cal 1
VZ3083-IC3083	Z76577.D	08/26/24 08:55	n/a	Initial cal 2
VZ3083-IC3083	Z76578.D	08/26/24 09:18	n/a	Initial cal 3
VZ3083-IC3083	Z76579.D	08/26/24 09:41	n/a	Initial cal 4
VZ3083-ICC3083	Z76580.D	08/26/24 10:04	n/a	Initial cal 5
VZ3083-IC3083	Z76581.D	08/26/24 10:27	n/a	Initial cal 6
VZ3083-IC3083	Z76582.D	08/26/24 10:50	n/a	Initial cal 7
VZ3083-ICV3083	Z76585.D	08/26/24 12:48	n/a	Initial cal verification 5
VZ3083-BS	Z76586.D	08/26/24 13:31	n/a	Blank Spike
VZ3083-MB	Z76588.D	08/26/24 14:29	n/a	Method Blank
FC18261-19	Z76589.D	08/26/24 15:05	n/a	24340BWX194C
FC18261-20	Z76590.D	08/26/24 15:28	n/a	2434W0BW218A
FC18153-14	Z76591.D	08/26/24 15:51	n/a	(used for QC only; not part of job FC18261)
ZZZZZZ	Z76592.D	08/26/24 16:14	n/a	(unrelated sample)
ZZZZZZ	Z76593.D	08/26/24 16:37	n/a	(unrelated sample)
ZZZZZZ	Z76595.D	08/26/24 17:23	n/a	(unrelated sample)
FC18261-17	Z76596.D	08/26/24 17:45	n/a	2434X0BW042F
FC18261-18	Z76597.D	08/26/24 18:08	n/a	2434X0BW185F
FC18153-14MS	Z76598.D	08/26/24 18:31	n/a	Matrix Spike
FC18153-14MSD	Z76599.D	08/26/24 18:54	n/a	Matrix Spike Duplicate
VZ3083-ECC3083	Z76600.D	08/26/24 19:17	n/a	Ending cal 6

Run Sequence Report

Job Number: FC18261
Account: AHTNACAS Ahtna Global, LLC
Project: Fort Ord Groundwater Monitoring

Run ID: VZ3084	Method: SW846 8260D BY SIM	Instrument ID: GCMSZ
-----------------------	-----------------------------------	-----------------------------

Lab Sample ID	Lab File ID	Date/Time Analyzed	Prep QC Batch	Client Sample ID
VZ3084-BFB	Z76601.D	08/28/24 07:36	n/a	BFB Tune
VZ3084-IC3084	Z76603.D	08/28/24 08:29	n/a	Initial cal 1
VZ3084-IC3084	Z76604.D	08/28/24 08:51	n/a	Initial cal 2
VZ3084-IC3084	Z76605.D	08/28/24 09:24	n/a	Initial cal 3
VZ3084-IC3084	Z76606.D	08/28/24 09:47	n/a	Initial cal 4
VZ3084-ICC3084	Z76607.D	08/28/24 10:10	n/a	Initial cal 5
VZ3084-IC3084	Z76608.D	08/28/24 10:33	n/a	Initial cal 6
VZ3084-IC3084	Z76609.D	08/28/24 10:57	n/a	Initial cal 7
VZ3084-ICV3084	Z76611.D	08/28/24 11:43	n/a	Initial cal verification 5

Run Sequence Report

Job Number: FC18261
Account: AHTNACAS Ahtna Global, LLC
Project: Fort Ord Groundwater Monitoring

Run ID: VZ3085 **Method:** SW846 8260D BY SIM **Instrument ID:** GCMSZ

Lab Sample ID	Lab File ID	Date/Time Analyzed	Prep QC Batch	Client Sample ID
VZ3085-BFB	Z76612.D	08/28/24 12:22	n/a	BFB Tune
VZ3085-CC3084	Z76613.D	08/28/24 12:48	n/a	Continuing cal 5
VZ3085-BS	Z76614.D	08/28/24 13:18	n/a	Blank Spike
VZ3085-MB	Z76616.D	08/28/24 14:18	n/a	Method Blank
ZZZZZZ	Z76617.D	08/28/24 14:55	n/a	(unrelated sample)
FC18258-5	Z76618.D	08/28/24 15:19	n/a	(used for QC only; not part of job FC18261)
FC18261-22	Z76619.D	08/28/24 15:42	n/a	2434W0BW201C
ZZZZZZ	Z76620.D	08/28/24 16:05	n/a	(unrelated sample)
ZZZZZZ	Z76621.D	08/28/24 16:28	n/a	(unrelated sample)
ZZZZZZ	Z76622.D	08/28/24 16:51	n/a	(unrelated sample)
ZZZZZZ	Z76623.D	08/28/24 17:15	n/a	(unrelated sample)
ZZZZZZ	Z76624.D	08/28/24 17:38	n/a	(unrelated sample)
ZZZZZZ	Z76625.D	08/28/24 18:01	n/a	(unrelated sample)
FC18261-21	Z76626.D	08/28/24 18:24	n/a	2434W0BW160F
FC18261-23	Z76627.D	08/28/24 18:47	n/a	2434W0BW157F
FC18261-24	Z76628.D	08/28/24 19:10	n/a	2434W0BW158F
ZZZZZZ	Z76629.D	08/28/24 19:33	n/a	(unrelated sample)
ZZZZZZ	Z76630.D	08/28/24 19:56	n/a	(unrelated sample)
ZZZZZZ	Z76631.D	08/28/24 20:20	n/a	(unrelated sample)
ZZZZZZ	Z76632.D	08/28/24 20:43	n/a	(unrelated sample)
ZZZZZZ	Z76633.D	08/28/24 21:06	n/a	(unrelated sample)
ZZZZZZ	Z76634.D	08/28/24 21:29	n/a	(unrelated sample)
ZZZZZZ	Z76635.D	08/28/24 21:52	n/a	(unrelated sample)
ZZZZZZ	Z76636.D	08/28/24 22:15	n/a	(unrelated sample)
FC18258-5MS	Z76637.D	08/28/24 22:38	n/a	Matrix Spike
FC18258-5MSD	Z76638.D	08/28/24 23:01	n/a	Matrix Spike Duplicate
VZ3085-ECC3084	Z76639.D	08/28/24 23:24	n/a	Ending cal 5

MS Volatiles

Raw Data

7

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\08-26-24\
 Data File : N0132256.D
 Acq On : 26 Aug 2024 8:37 am
 Operator : jeniferw
 Sample : FC18261-1
 Misc : MS57355,VN6708,,,,,
 ALS Vial : 6 Sample Multiplier: 1

Quant Time: Aug 26 12:51:43 2024
 Quant Method : C:\msdchem\1\methods\SIMCL_VN6705_082024.M
 Quant Title : Standard Methods 6200B
 QLast Update : Tue Aug 20 14:01:28 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Fluorobenzene	6.341	96	51499	5.00	ug/L	0.00
18) Chlorobenzene-d5	9.519	117	32386	5.00	ug/L	0.00
System Monitoring Compounds						
13) 1,2-Dichloroethane-d4	6.045	65	21151	4.77	ug/L	0.00
Spiked Amount	5.000	Range 74 - 125	Recovery	=	95.40%	
19) Toluene-d8	7.951	98	39281	5.50	ug/L	0.00
Spiked Amount	5.000	Range 88 - 111	Recovery	=	110.00%	
Target Compounds						
3) Chloromethane	1.977	50	431	0.28	ug/L	96
5) Methylene Chloride	3.718	49	1641	0.68	ug/L	91
9) Chloroform	5.310	83	282m	0.14	ug/L	
22) 1,4-Dichlorobenzene	11.909	146	778	0.47	ug/L #	1

(#) = qualifier out of range (m) = manual integration (+) = signals summed

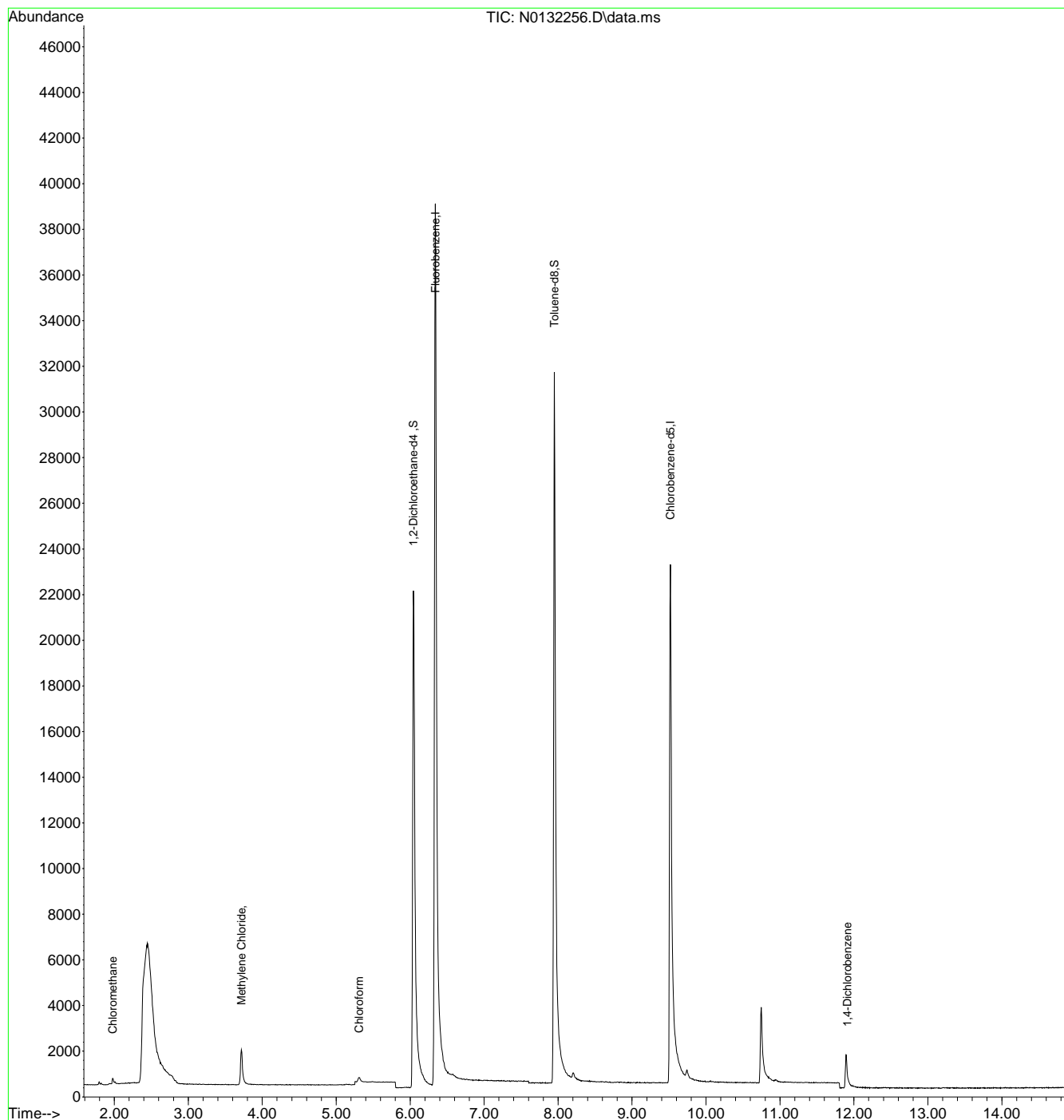
7.1.1
7



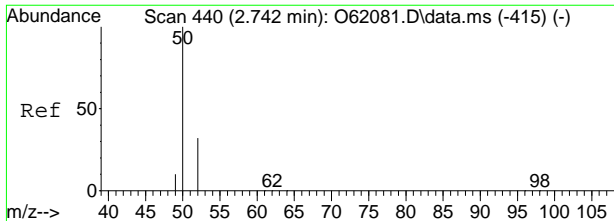
Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\08-26-24\
 Data File : N0132256.D
 Acq On : 26 Aug 2024 8:37 am
 Operator : jeniferw
 Sample : FC18261-1
 Misc : MS57355,VN6708,,,,,
 ALS Vial : 6 Sample Multiplier: 1

Quant Time: Aug 26 12:51:43 2024
 Quant Method : C:\msdchem\1\methods\SIMCL_VN6705_082024.M
 Quant Title : Standard Methods 6200B
 QLast Update : Tue Aug 20 14:01:28 2024
 Response via : Initial Calibration

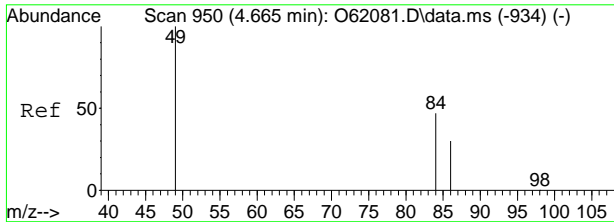
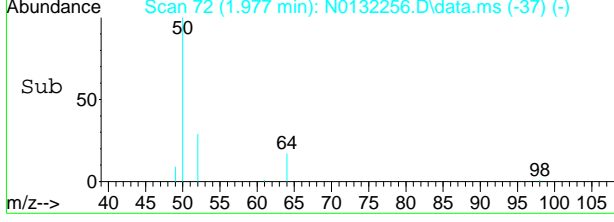
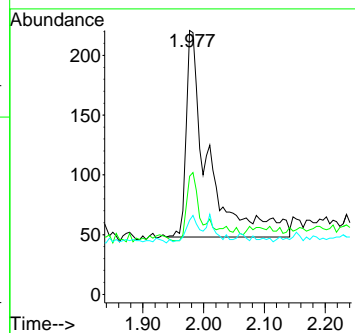
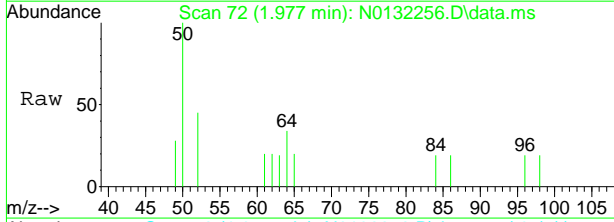


7.1.1
7



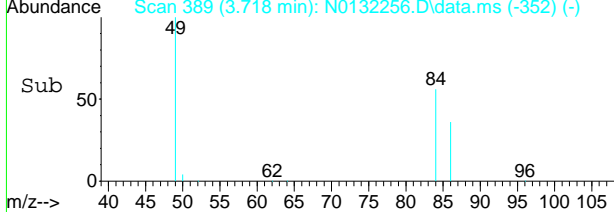
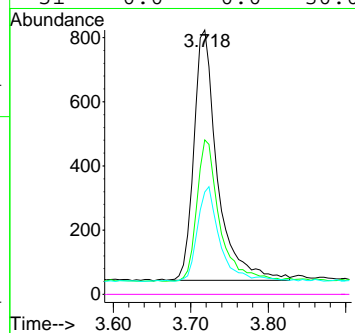
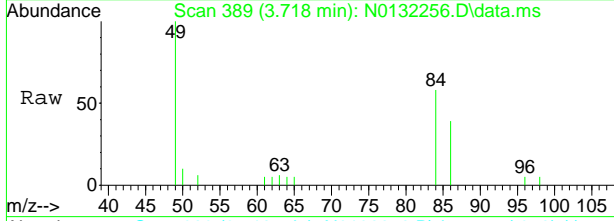
#3
 Chloromethane
 Concen: 0.28 ug/L
 RT: 1.977 min Scan# 72
 Delta R.T. -0.005 min
 Lab File: N0132256.D
 Acq: 26 Aug 2024 8:37 am

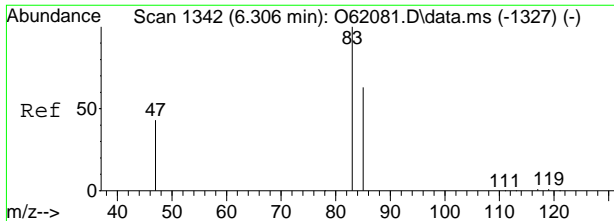
Tgt Ion	Ratio	Lower	Upper
50	100		
52	29.5	2.1	62.1
49	11.0	0.0	39.6



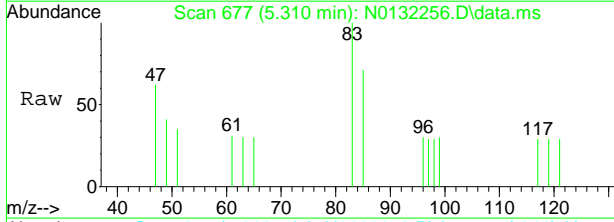
#5
 Methylene Chloride
 Concen: 0.68 ug/L
 RT: 3.718 min Scan# 389
 Delta R.T. 0.006 min
 Lab File: N0132256.D
 Acq: 26 Aug 2024 8:37 am

Tgt Ion	Ratio	Lower	Upper
49	100		
84	56.4	20.0	80.0
86	35.3	0.4	60.4
51	0.0	0.0	30.0



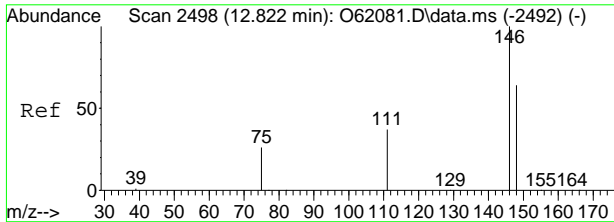
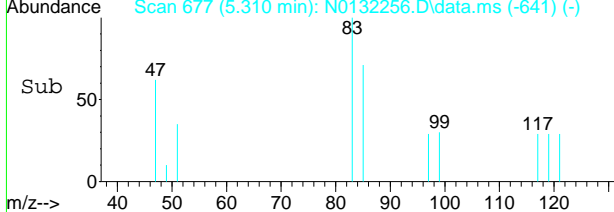
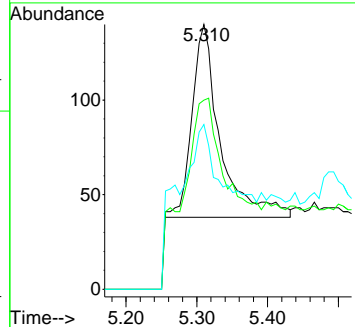


#9
 Chloroform
 Concen: 0.14 ug/L m
 RT: 5.310 min Scan# 677
 Delta R.T. 0.007 min
 Lab File: N0132256.D
 Acq: 26 Aug 2024 8:37 am

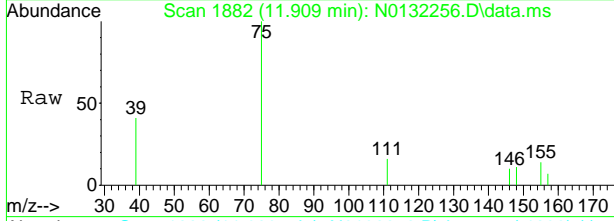


Tgt Ion: 83 Resp: 282

Ion	Ratio	Lower	Upper
83	100		
85	71.4	36.3	96.3
47	62.1	2.6	62.6

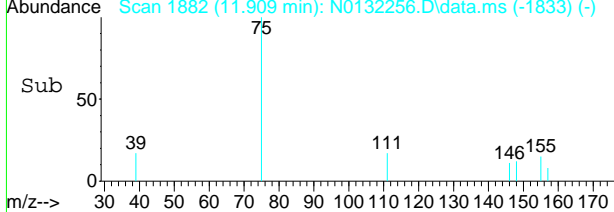
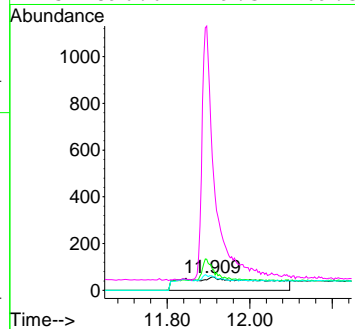


#22
 1,4-Dichlorobenzene
 Concen: 0.47 ug/L
 RT: 11.909 min Scan# 1882
 Delta R.T. 0.003 min
 Lab File: N0132256.D
 Acq: 26 Aug 2024 8:37 am



Tgt Ion: 146 Resp: 778

Ion	Ratio	Lower	Upper
146	100		
111	155.2	7.7	67.7#
148	105.2	32.7	92.7#
75	896.6	9.3	69.3#



Manual Integration Approval Summary

Sample Number: FC18261-1 **Method:** SW846 8260D BY SIM
Lab FileID: N0132256.D **Analyst approved:** 08/27/24 06:11 Jenifer Willis
Injection Time: 08/26/24 08:37 **Supervisor approved:** 08/27/24 07:34 Karen Watson

Parameter	CAS	Sig#	R.T. (min.)	Reason
Chloroform	67-66-3		5.31	Poorly defined baseline

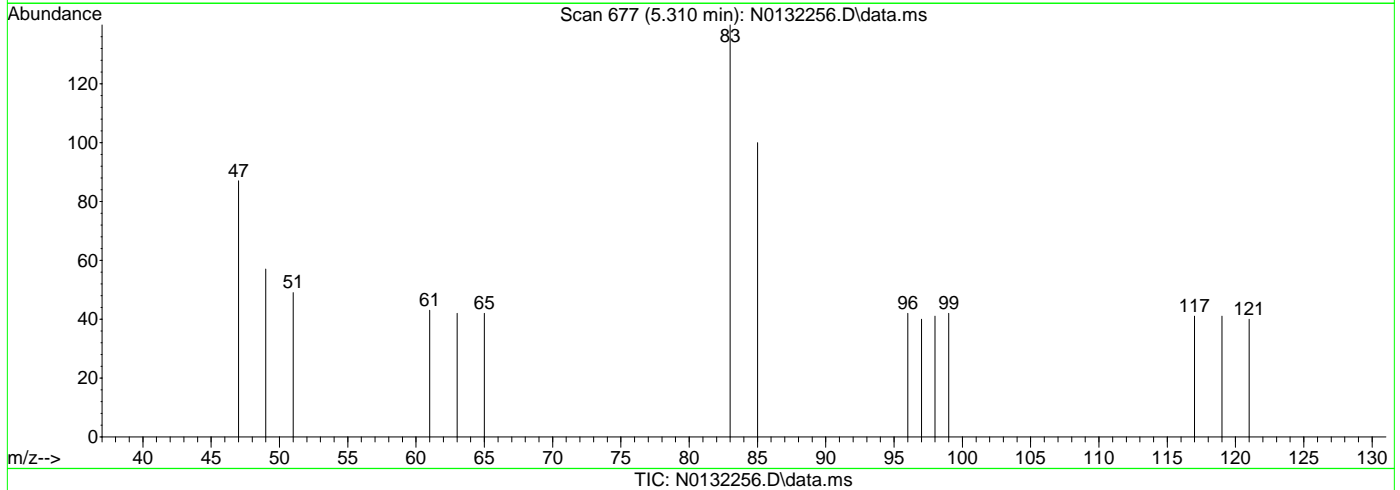
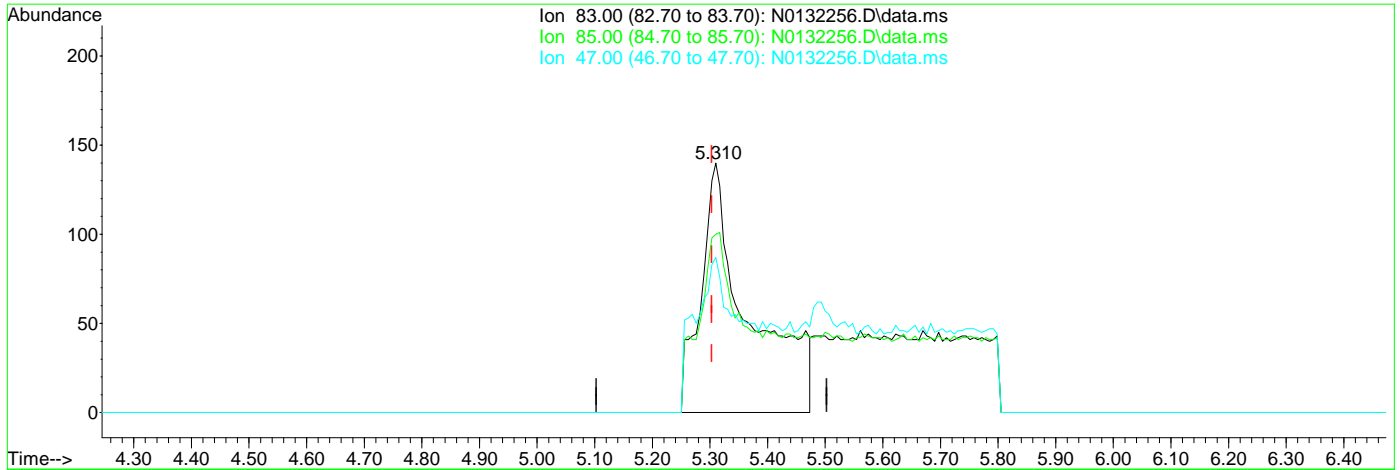
7.1.1.1

7

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\08-26-24\
 Data File : N0132256.D
 Acq On : 26 Aug 2024 8:37 am
 Operator : jeniferw
 Sample : FC18261-1
 Misc : MS57355,VN6708,,,,,
 ALS Vial : 6 Sample Multiplier: 1

Quant Time: Aug 26 12:49:11 2024
 Quant Method : C:\msdchem\1\methods\SIMCL_VN6705_082024.M
 Quant Title : Standard Methods 6200B
 QLast Update : Tue Aug 20 14:01:28 2024
 Response via : Initial Calibration



(9) Chloroform

5.310min (+0.007) 0.41ug/L

response 797

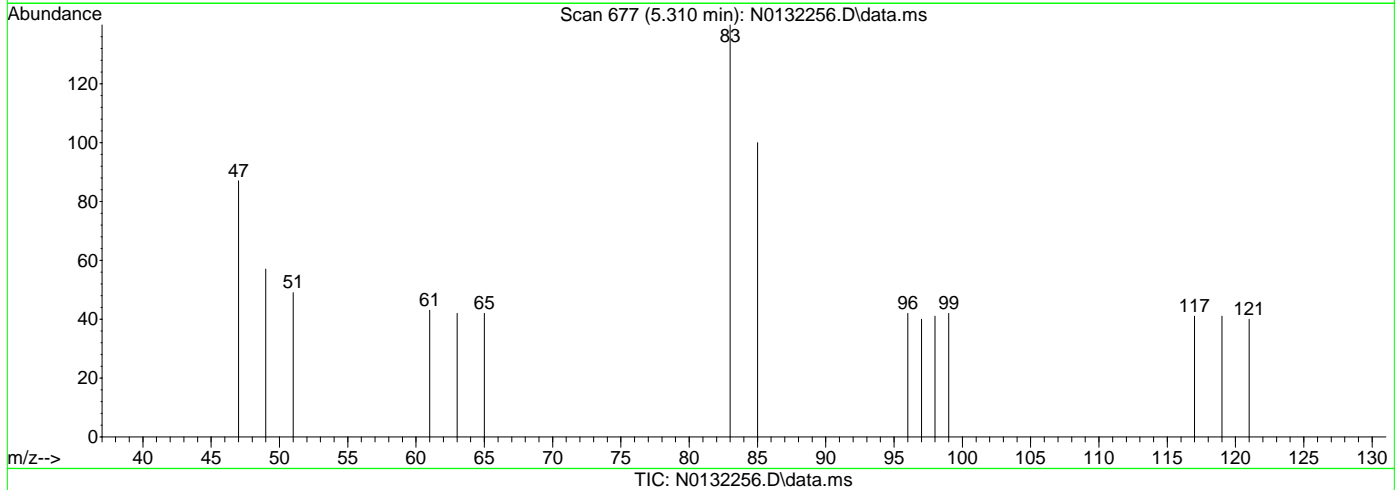
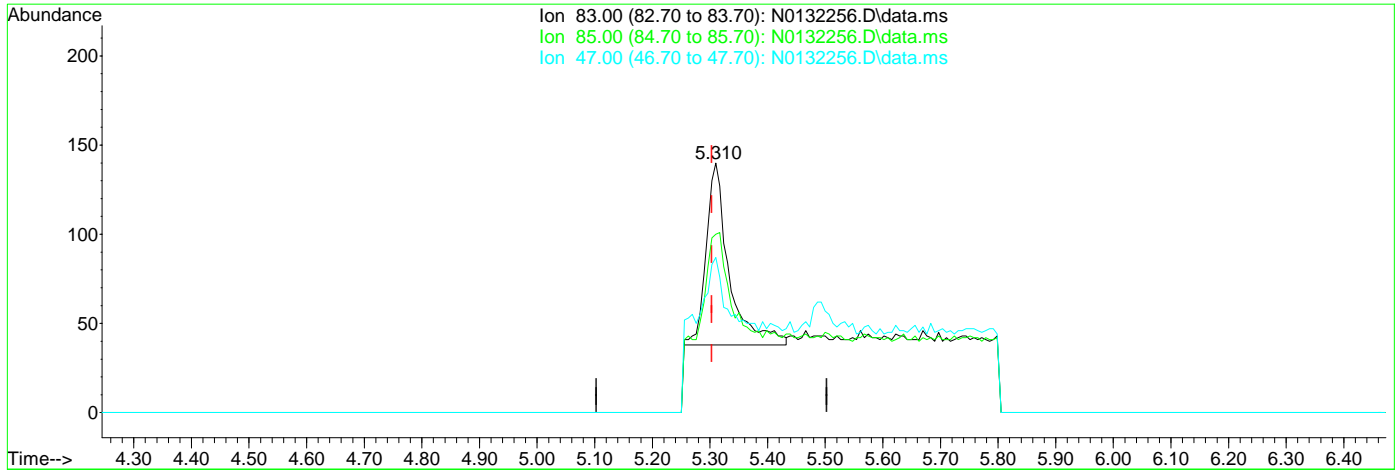
Ion	Exp%	Act%
83.00	100	100
85.00	66.30	71.43
47.00	32.60	62.14
0.00	0.00	0.00

7.1.1.2
7

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\08-26-24\
 Data File : N0132256.D
 Acq On : 26 Aug 2024 8:37 am
 Operator : jeniferw
 Sample : FC18261-1
 Misc : MS57355,VN6708,,,,,
 ALS Vial : 6 Sample Multiplier: 1

Quant Time: Aug 26 12:49:11 2024
 Quant Method : C:\msdchem\1\methods\SIMCL_VN6705_082024.M
 Quant Title : Standard Methods 6200B
 QLast Update : Tue Aug 20 14:01:28 2024
 Response via : Initial Calibration



(9) Chloroform
 5.310min (+0.007) 0.14ug/L m

response 282

Ion	Exp%	Act%
83.00	100	100
85.00	66.30	71.43
47.00	32.60	62.14
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\08-26-24\
 Data File : N0132261.D
 Acq On : 26 Aug 2024 10:34 am
 Operator : jeniferw
 Sample : FC18261-2
 Misc : MS57355,VN6708,,,,,
 ALS Vial : 11 Sample Multiplier: 1

Quant Time: Aug 26 12:54:51 2024
 Quant Method : C:\msdchem\1\methods\SIMCL_VN6705_082024.M
 Quant Title : Standard Methods 6200B
 QLast Update : Tue Aug 20 14:01:28 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	Qvalue

Internal Standards							
1) Fluorobenzene	6.341	96	47660	5.00	ug/L	0.00	
18) Chlorobenzene-d5	9.519	117	30193	5.00	ug/L	0.00	
System Monitoring Compounds							
13) 1,2-Dichloroethane-d4	6.045	65	20282	4.95	ug/L	0.00	
Spiked Amount	5.000	Range 74 - 125	Recovery	=	99.00%		
19) Toluene-d8	7.951	98	35740	5.36	ug/L	0.00	
Spiked Amount	5.000	Range 88 - 111	Recovery	=	107.20%		
Target Compounds							
3) Chloromethane	1.977	50	440	0.31	ug/L	97	
5) Methylene Chloride	3.718	49	1078	0.48	ug/L	91	

(#) = qualifier out of range (m) = manual integration (+) = signals summed

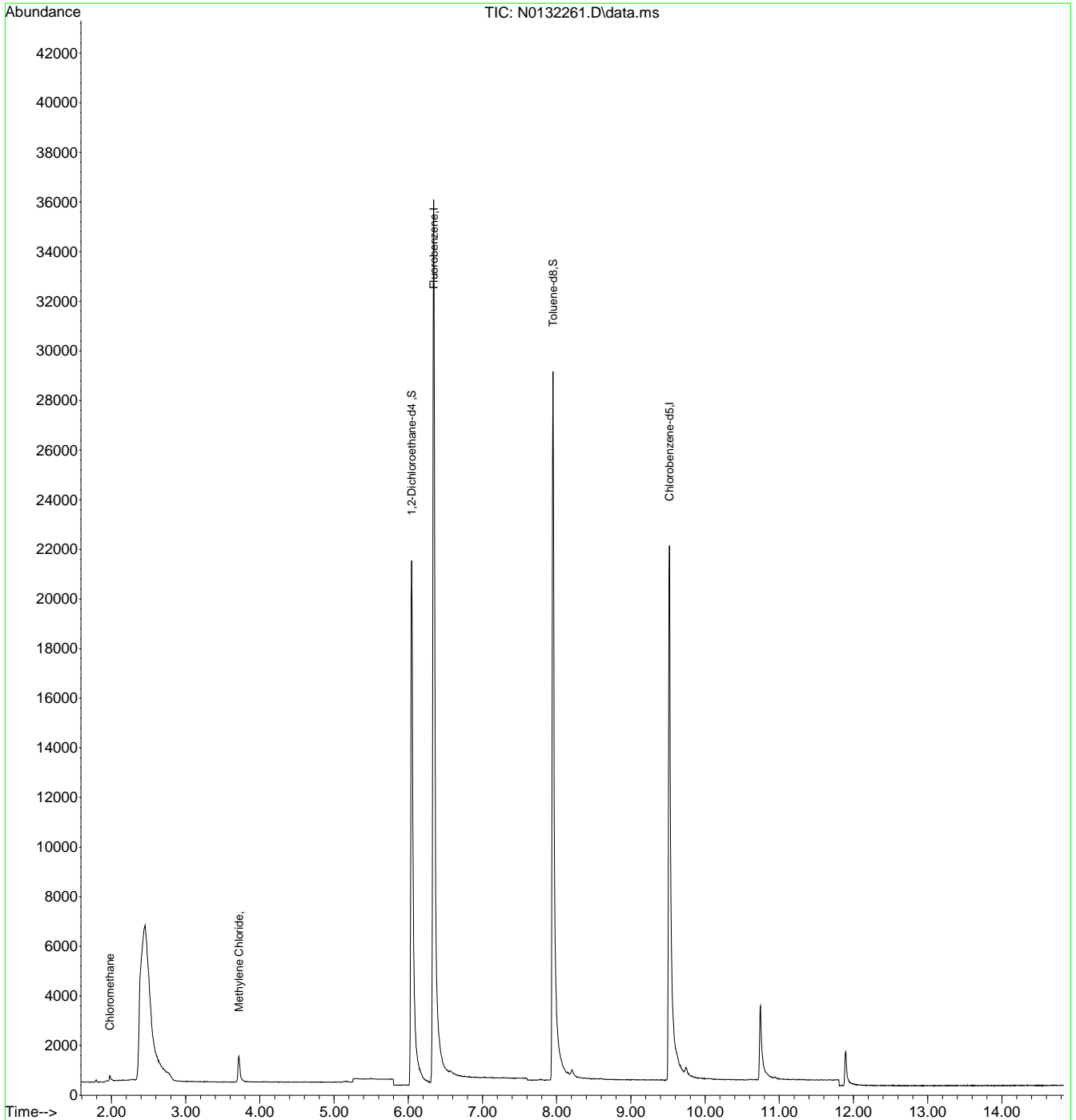
7.1.2
7



Quantitation Report (QT Reviewed)

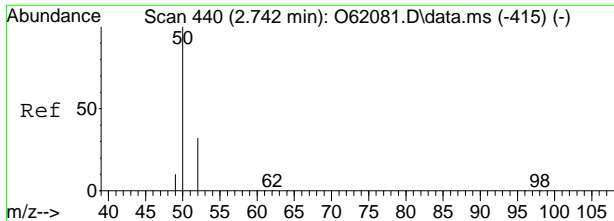
Data Path : C:\msdchem\1\data\08-26-24\
 Data File : N0132261.D
 Acq On : 26 Aug 2024 10:34 am
 Operator : jeniferw
 Sample : FC18261-2
 Misc : MS57355,VN6708,,,,,
 ALS Vial : 11 Sample Multiplier: 1

Quant Time: Aug 26 12:54:51 2024
 Quant Method : C:\msdchem\1\methods\SIMCL_VN6705_082024.M
 Quant Title : Standard Methods 6200B
 QLast Update : Tue Aug 20 14:01:28 2024
 Response via : Initial Calibration



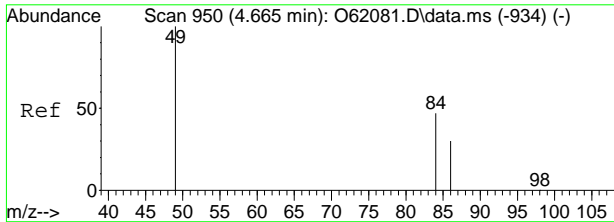
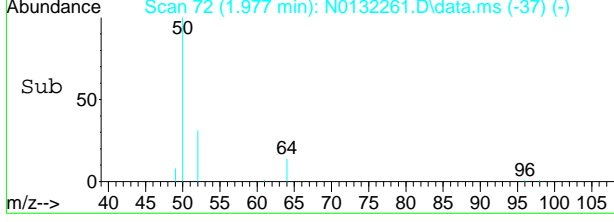
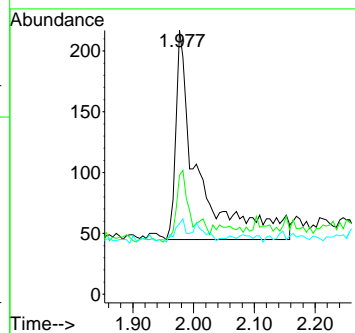
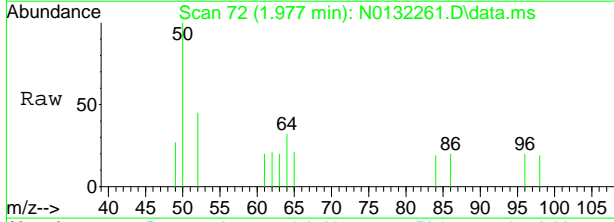
7.1.2
7





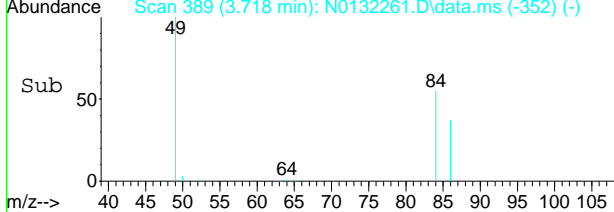
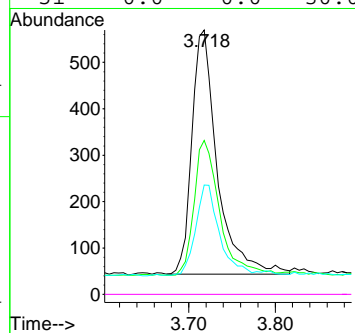
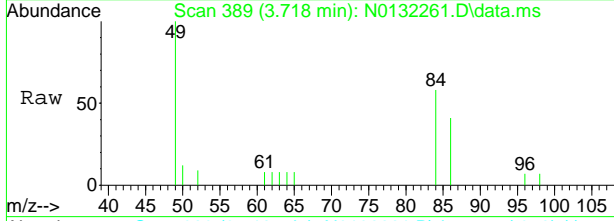
#3
 Chloromethane
 Concen: 0.31 ug/L
 RT: 1.977 min Scan# 72
 Delta R.T. -0.005 min
 Lab File: N0132261.D
 Acq: 26 Aug 2024 10:34 am

Tgt Ion	Ratio	Lower	Upper
50	100		
52	30.2	2.1	62.1
49	8.7	0.0	39.6



#5
 Methylene Chloride
 Concen: 0.48 ug/L
 RT: 3.718 min Scan# 389
 Delta R.T. 0.006 min
 Lab File: N0132261.D
 Acq: 26 Aug 2024 10:34 am

Tgt Ion	Ratio	Lower	Upper
49	100		
84	55.3	20.0	80.0
86	36.9	0.4	60.4
51	0.0	0.0	30.0



7.12
7

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\08-26-24\
 Data File : N0132262.D
 Acq On : 26 Aug 2024 10:58 am
 Operator : jeniferw
 Sample : FC18261-3
 Misc : MS57355,VN6708,,,,,
 ALS Vial : 12 Sample Multiplier: 1

Quant Time: Aug 26 12:55:15 2024
 Quant Method : C:\msdchem\1\methods\SIMCL_VN6705_082024.M
 Quant Title : Standard Methods 6200B
 QLast Update : Tue Aug 20 14:01:28 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	Qvalue
Internal Standards							
1) Fluorobenzene	6.341	96	47437	5.00	ug/L	0.00	
18) Chlorobenzene-d5	9.519	117	29808	5.00	ug/L	0.00	
System Monitoring Compounds							
13) 1,2-Dichloroethane-d4	6.045	65	20281	4.97	ug/L	0.00	
Spiked Amount	5.000	Range 74 - 125	Recovery	=	99.40%		
19) Toluene-d8	7.951	98	35349	5.37	ug/L	0.00	
Spiked Amount	5.000	Range 88 - 111	Recovery	=	107.40%		
Target Compounds							
3) Chloromethane	1.982	50	340	0.24	ug/L	100	
5) Methylene Chloride	3.718	49	1080	0.48	ug/L	95	
9) Chloroform	5.303	83	459m	0.26	ug/L		
10) Carbon Tetrachloride	5.473	117	477	0.67	ug/L	94	

(#) = qualifier out of range (m) = manual integration (+) = signals summed

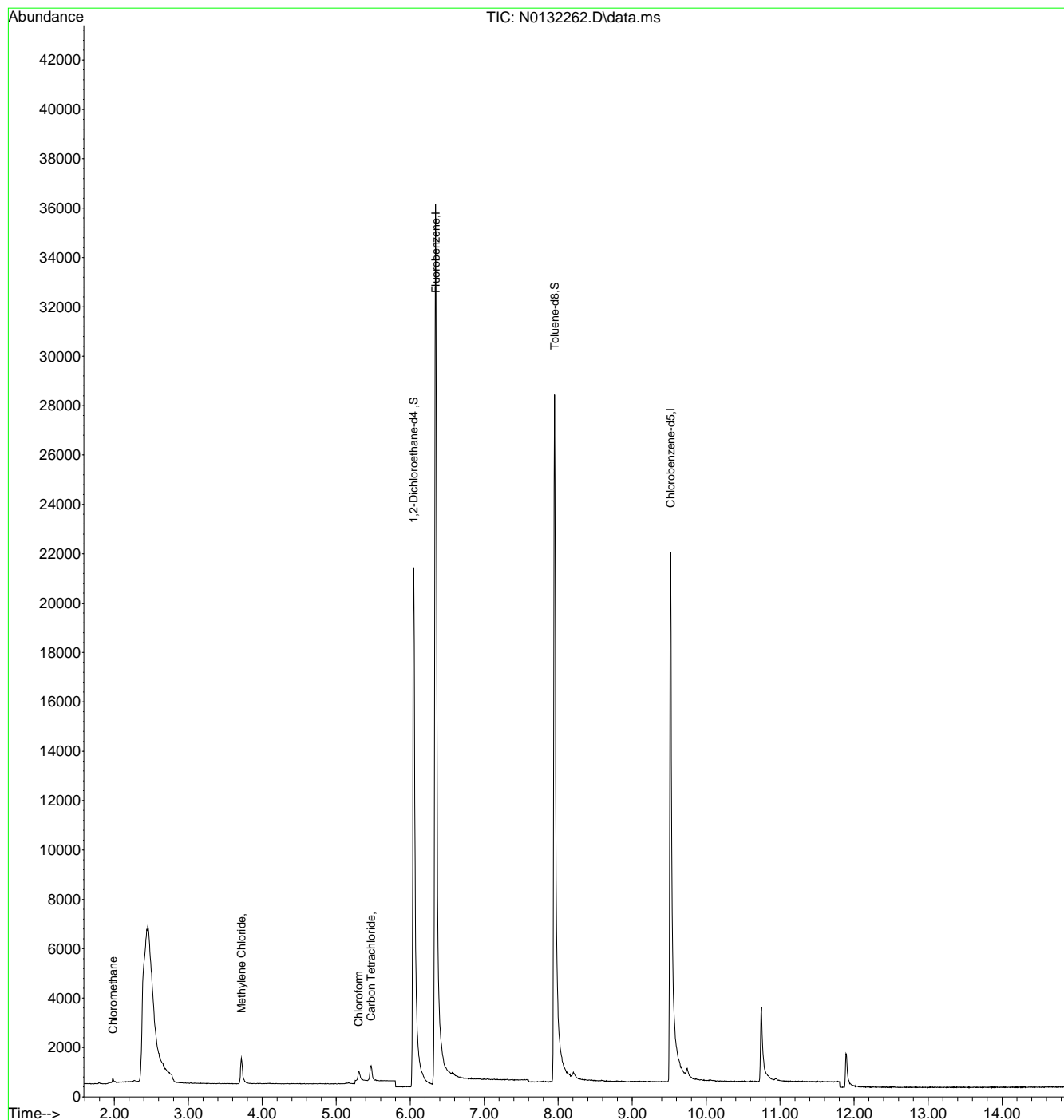
7.1.3
7



Quantitation Report (QT Reviewed)

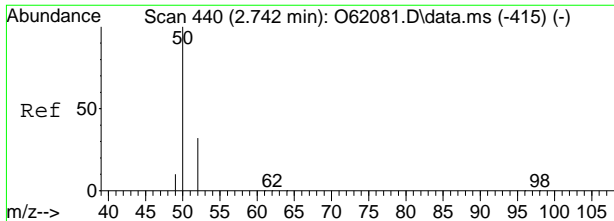
Data Path : C:\msdchem\1\data\08-26-24\
 Data File : N0132262.D
 Acq On : 26 Aug 2024 10:58 am
 Operator : jeniferw
 Sample : FC18261-3
 Misc : MS57355,VN6708,,,,,
 ALS Vial : 12 Sample Multiplier: 1

Quant Time: Aug 26 12:55:15 2024
 Quant Method : C:\msdchem\1\methods\SIMCL_VN6705_082024.M
 Quant Title : Standard Methods 6200B
 QLast Update : Tue Aug 20 14:01:28 2024
 Response via : Initial Calibration



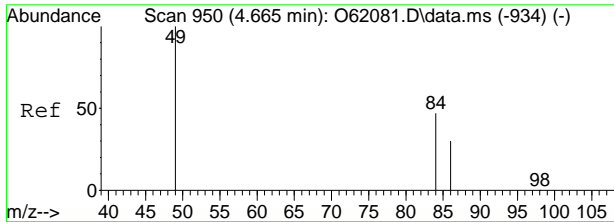
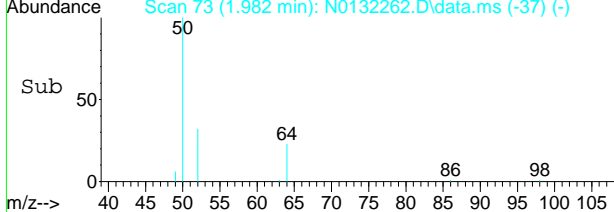
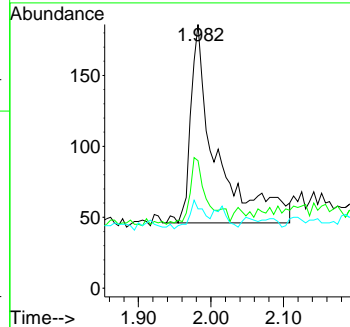
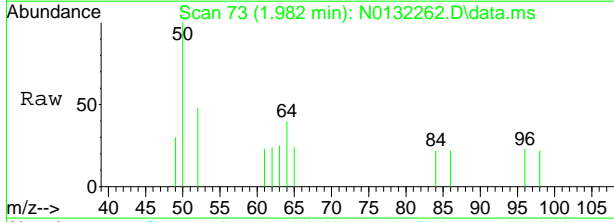
7.1.3
7





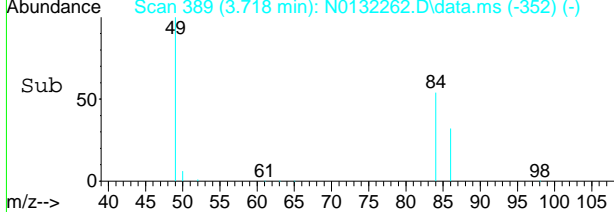
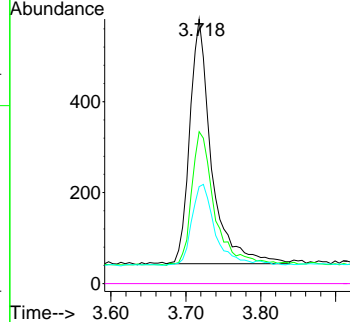
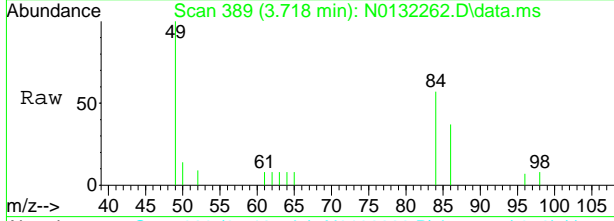
#3
 Chloromethane
 Concen: 0.24 ug/L
 RT: 1.982 min Scan# 73
 Delta R.T. 0.000 min
 Lab File: N0132262.D
 Acq: 26 Aug 2024 10:58 am

Tgt Ion	Ratio	Lower	Upper
50	100		
52	32.1	2.1	62.1
49	9.3	0.0	39.6

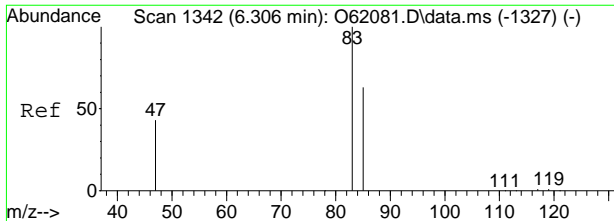


#5
 Methylene Chloride
 Concen: 0.48 ug/L
 RT: 3.718 min Scan# 389
 Delta R.T. 0.006 min
 Lab File: N0132262.D
 Acq: 26 Aug 2024 10:58 am

Tgt Ion	Ratio	Lower	Upper
49	100		
84	54.6	20.0	80.0
86	32.0	0.4	60.4
51	0.0	0.0	30.0

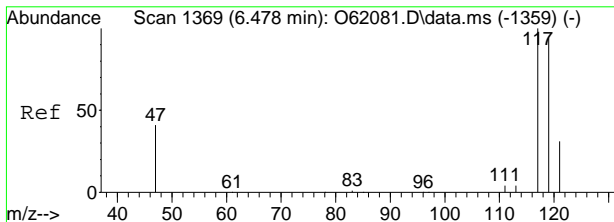
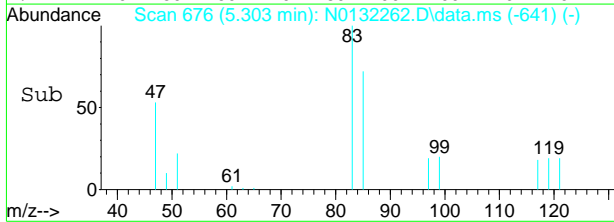
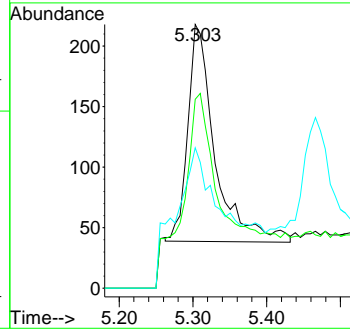
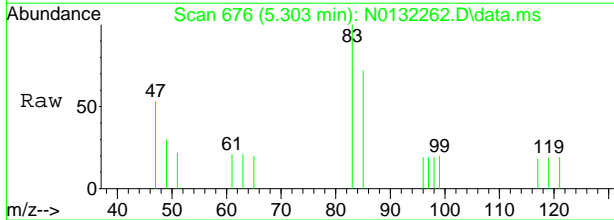


7.1.3
7



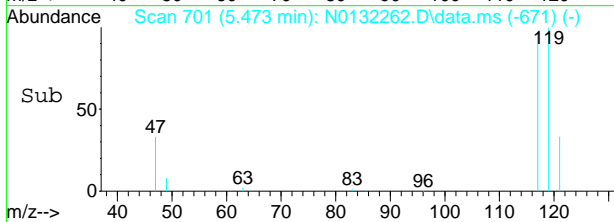
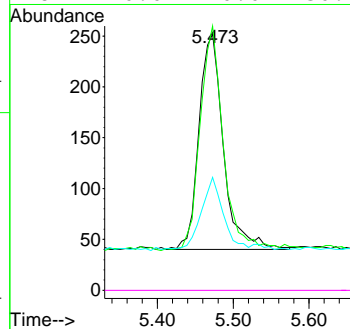
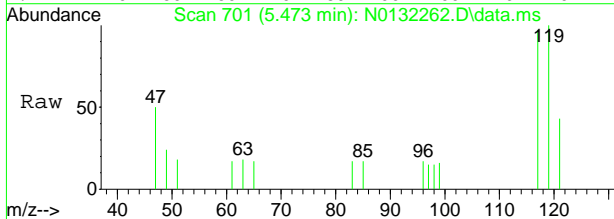
#9
 Chloroform
 Concen: 0.26 ug/L m
 RT: 5.303 min Scan# 676
 Delta R.T. 0.000 min
 Lab File: N0132262.D
 Acq: 26 Aug 2024 10:58 am

Tgt Ion	Resp	Lower	Upper
83	459		
85	71.6	36.3	96.3
47	53.2	2.6	62.6



#10
 Carbon Tetrachloride
 Concen: 0.67 ug/L
 RT: 5.473 min Scan# 701
 Delta R.T. 0.007 min
 Lab File: N0132262.D
 Acq: 26 Aug 2024 10:58 am

Tgt Ion	Resp	Lower	Upper
117	477		
119	103.3	67.0	127.0
121	33.5	0.5	60.5
82	0.0	0.0	30.0



7.1.3
7

Manual Integration Approval Summary

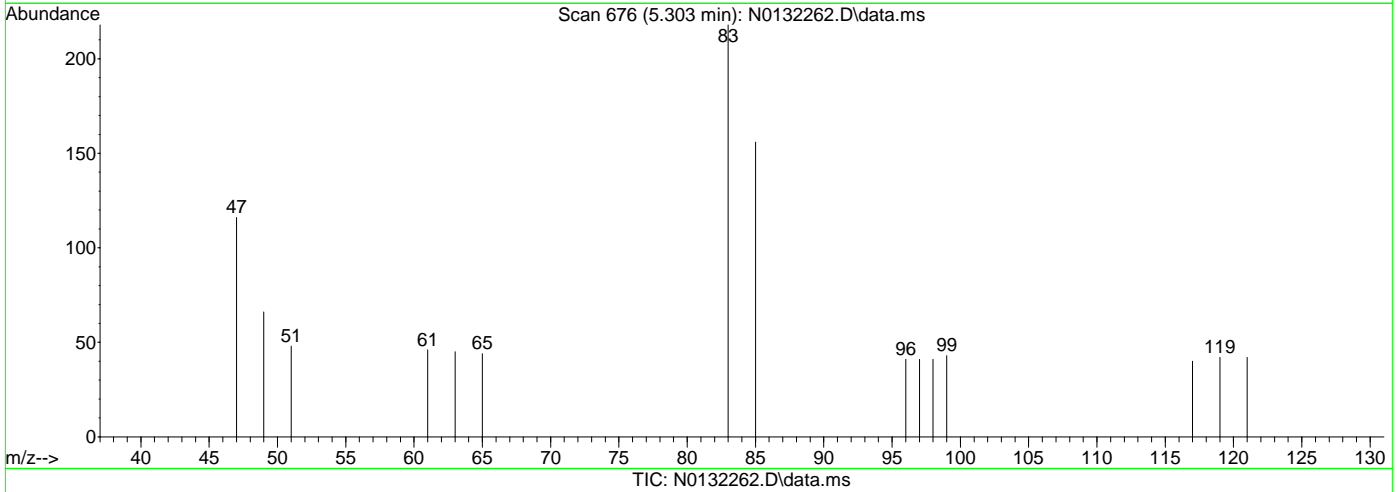
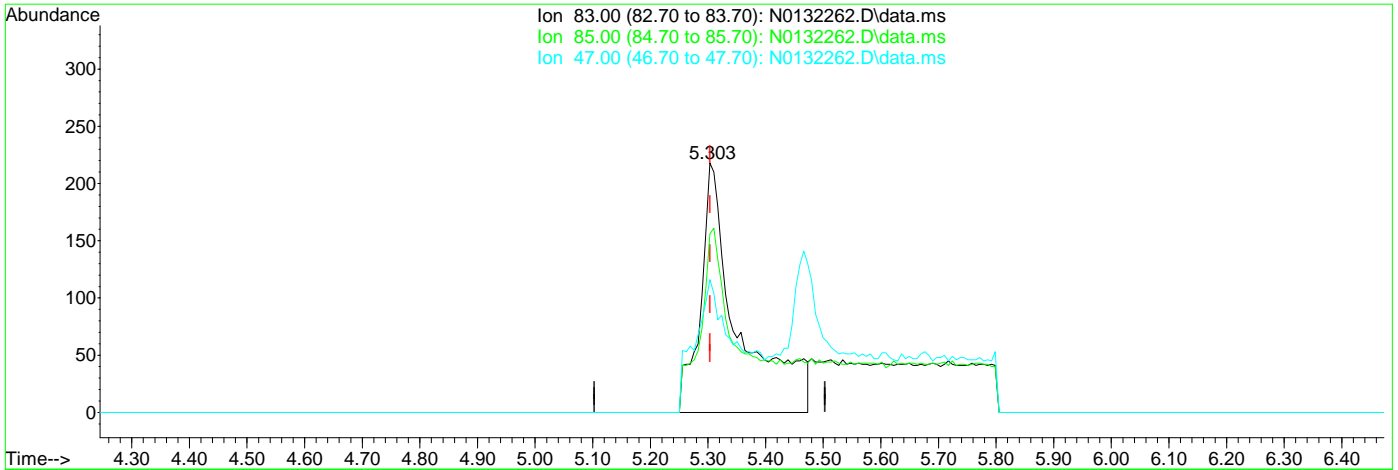
Sample Number: FC18261-3 **Method:** SW846 8260D BY SIM
Lab FileID: N0132262.D **Analyst approved:** 08/27/24 06:11 Jenifer Willis
Injection Time: 08/26/24 10:58 **Supervisor approved:** 08/27/24 07:34 Karen Watson

Parameter	CAS	Sig#	R.T. (min.)	Reason
Chloroform	67-66-3		5.30	Poorly defined baseline

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\08-26-24\
 Data File : N0132262.D
 Acq On : 26 Aug 2024 10:58 am
 Operator : jeniferw
 Sample : FC18261-3
 Misc : MS57355,VN6708,,,,,
 ALS Vial : 12 Sample Multiplier: 1

Quant Time: Aug 26 12:49:23 2024
 Quant Method : C:\msdchem\1\methods\SIMCL_VN6705_082024.M
 Quant Title : Standard Methods 6200B
 QLast Update : Tue Aug 20 14:01:28 2024
 Response via : Initial Calibration



(9) Chloroform

5.303min (+0.000) 0.55ug/L

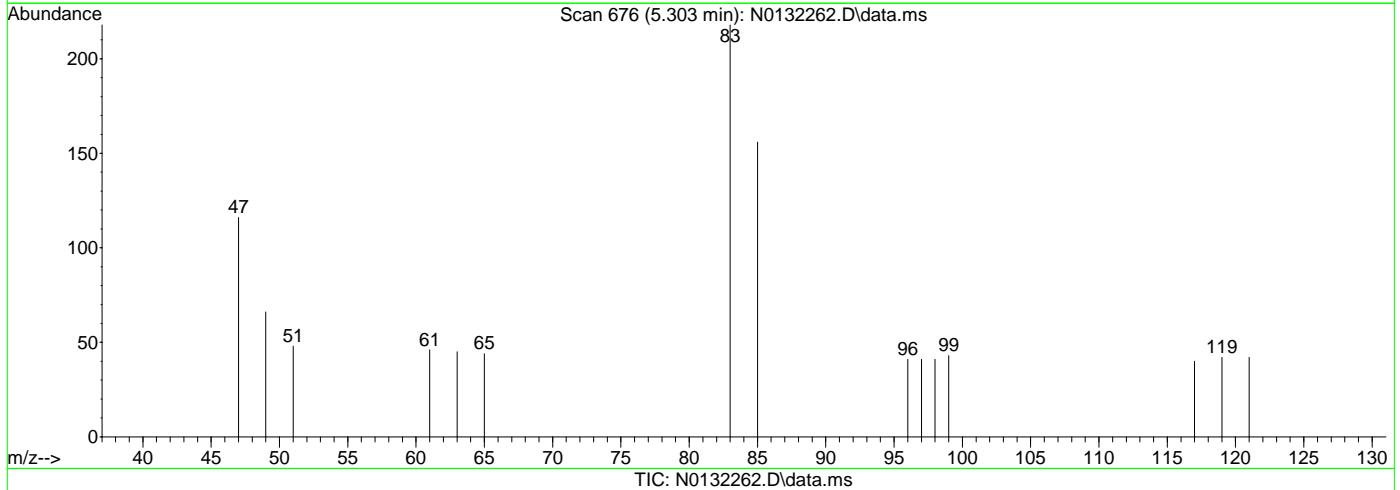
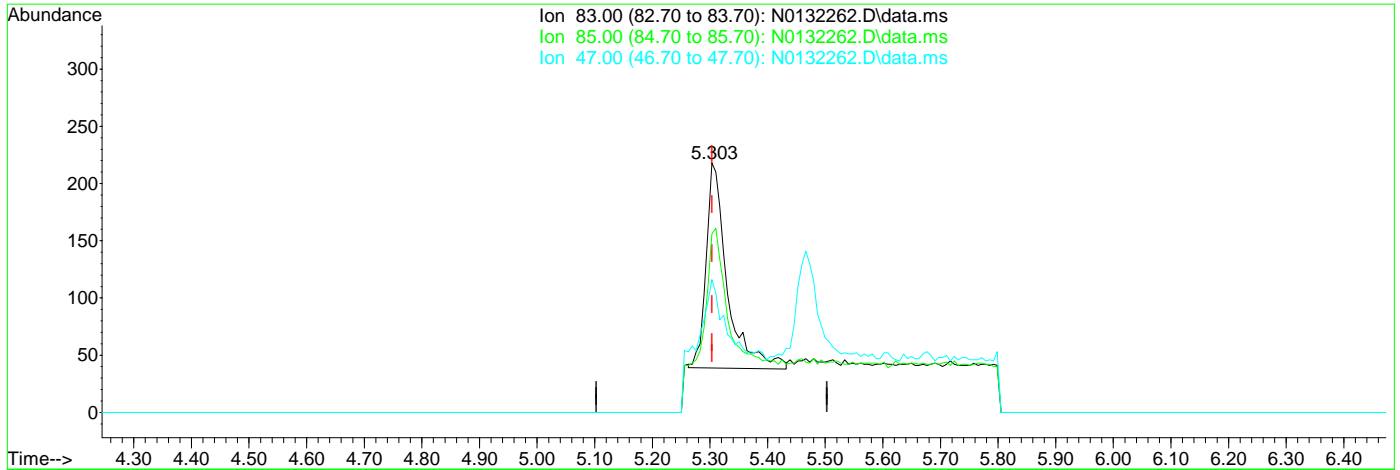
response 983

Ion	Exp%	Act%
83.00	100	100
85.00	66.30	71.56
47.00	32.60	53.21
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\08-26-24\
 Data File : N0132262.D
 Acq On : 26 Aug 2024 10:58 am
 Operator : jeniferw
 Sample : FC18261-3
 Misc : MS57355,VN6708,,,,,
 ALS Vial : 12 Sample Multiplier: 1

Quant Time: Aug 26 12:49:23 2024
 Quant Method : C:\msdchem\1\methods\SIMCL_VN6705_082024.M
 Quant Title : Standard Methods 6200B
 QLast Update : Tue Aug 20 14:01:28 2024
 Response via : Initial Calibration



(9) Chloroform

5.303min (+0.000) 0.26ug/L m

response 459

Ion	Exp%	Act%
83.00	100	100
85.00	66.30	71.56
47.00	32.60	53.21
0.00	0.00	0.00

7.1.3.3
7

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\08-26-24\
 Data File : N0132263.D
 Acq On : 26 Aug 2024 11:21 am
 Operator : jeniferw
 Sample : FC18261-4
 Misc : MS57355,VN6708,,,,,
 ALS Vial : 13 Sample Multiplier: 1

Quant Time: Aug 26 12:55:44 2024
 Quant Method : C:\msdchem\1\methods\SIMCL_VN6705_082024.M
 Quant Title : Standard Methods 6200B
 QLast Update : Tue Aug 20 14:01:28 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	

Internal Standards							
1) Fluorobenzene	6.341	96	45563	5.00	ug/L	0.00	
18) Chlorobenzene-d5	9.519	117	29062	5.00	ug/L	0.00	
System Monitoring Compounds							
13) 1,2-Dichloroethane-d4	6.045	65	19862	5.07	ug/L	0.00	
Spiked Amount	5.000	Range 74 - 125	Recovery	=	101.40%		
19) Toluene-d8	7.951	98	34199	5.33	ug/L	0.00	
Spiked Amount	5.000	Range 88 - 111	Recovery	=	106.60%		
Target Compounds							
							Qvalue
3) Chloromethane	1.982	50	369	0.27	ug/L		98
5) Methylene Chloride	3.718	49	1066	0.50	ug/L		95
9) Chloroform	5.303	83	219m	0.13	ug/L		
10) Carbon Tetrachloride	5.473	117	338	0.50	ug/L		96

(#) = qualifier out of range (m) = manual integration (+) = signals summed

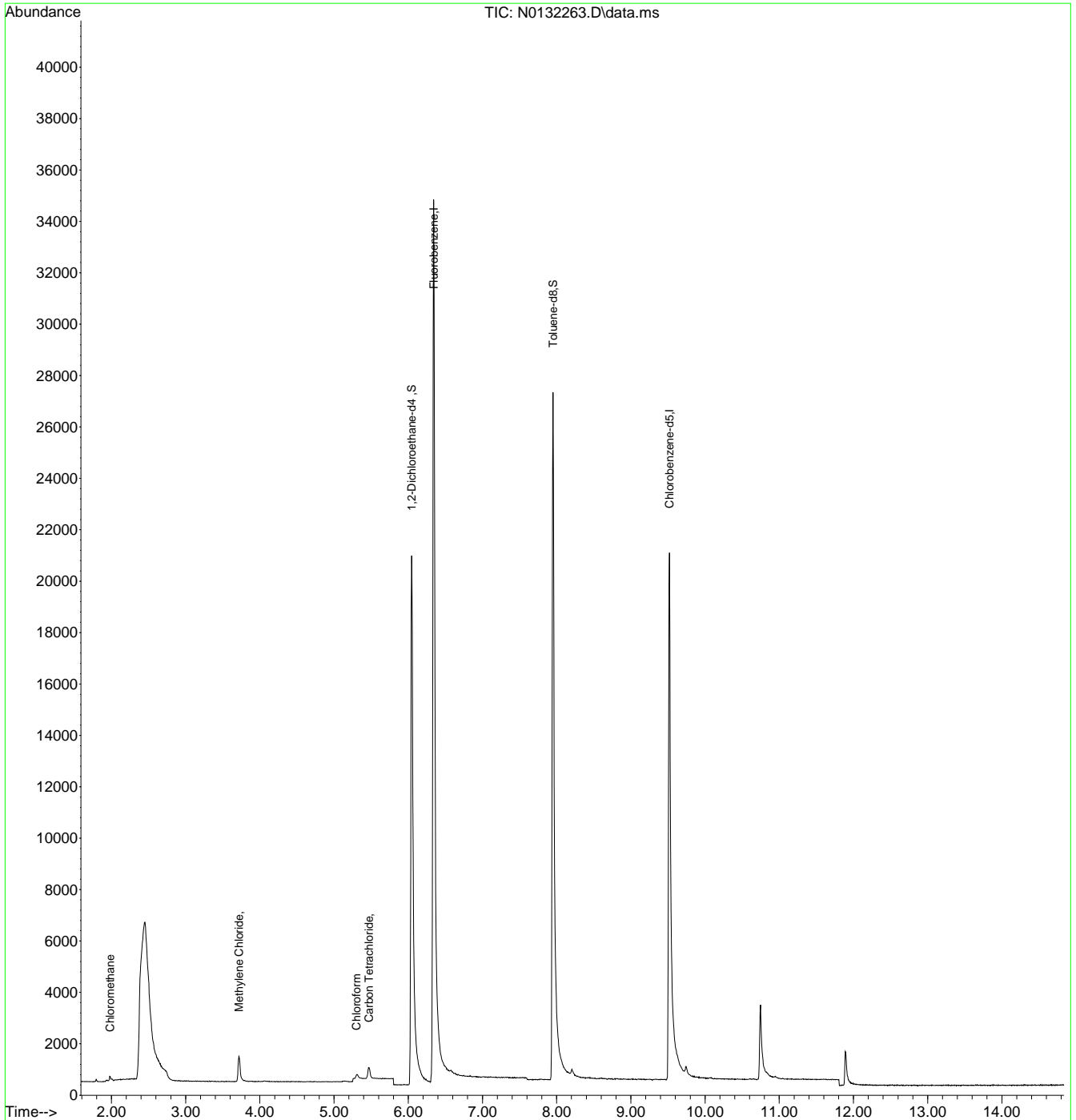
7.1.4
7



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\08-26-24\
 Data File : N0132263.D
 Acq On : 26 Aug 2024 11:21 am
 Operator : jeniferw
 Sample : FC18261-4
 Misc : MS57355,VN6708,,,,,
 ALS Vial : 13 Sample Multiplier: 1

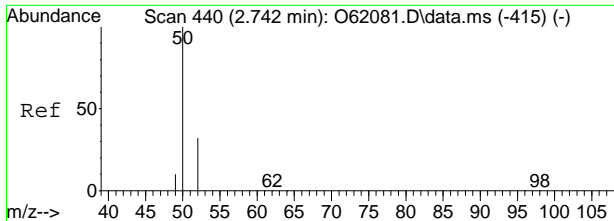
Quant Time: Aug 26 12:55:44 2024
 Quant Method : C:\msdchem\1\methods\SIMCL_VN6705_082024.M
 Quant Title : Standard Methods 6200B
 QLast Update : Tue Aug 20 14:01:28 2024
 Response via : Initial Calibration



7.1.4

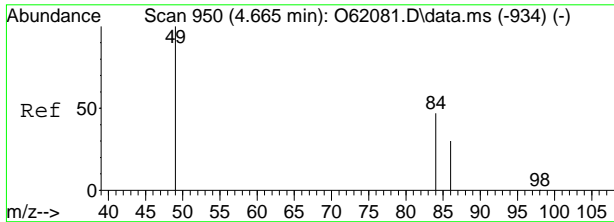
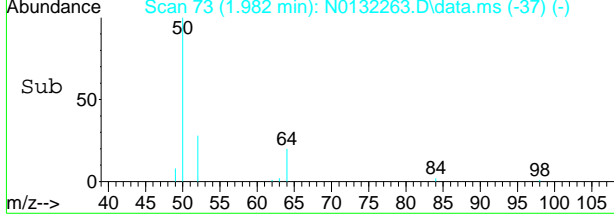
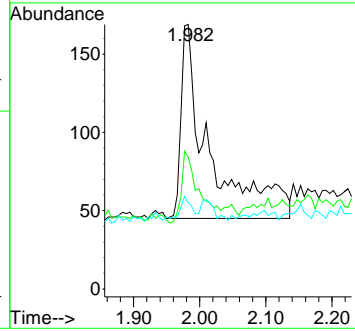
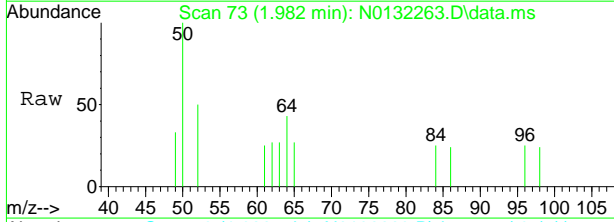
7





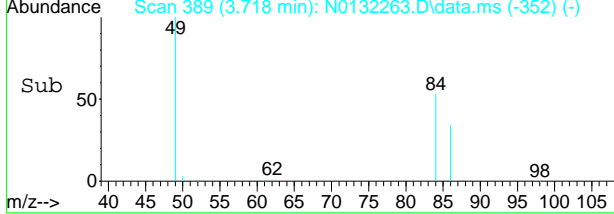
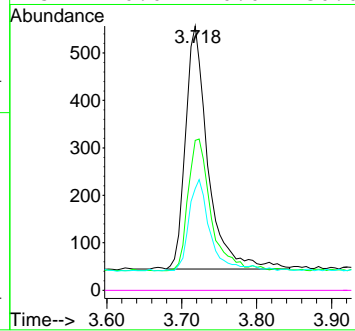
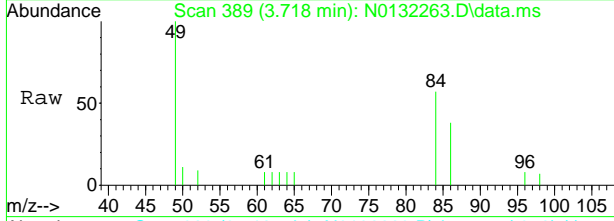
#3
 Chloromethane
 Concen: 0.27 ug/L
 RT: 1.982 min Scan# 73
 Delta R.T. 0.000 min
 Lab File: N0132263.D
 Acq: 26 Aug 2024 11:21 am

Tgt Ion	Ratio	Lower	Upper
50	100		
52	32.3	2.1	62.1
49	7.3	0.0	39.6

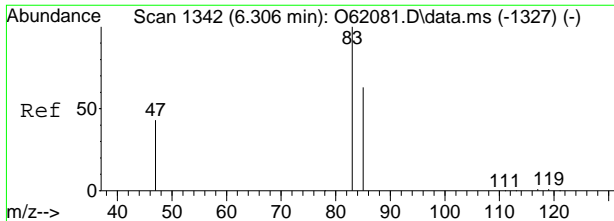


#5
 Methylene Chloride
 Concen: 0.50 ug/L
 RT: 3.718 min Scan# 389
 Delta R.T. 0.006 min
 Lab File: N0132263.D
 Acq: 26 Aug 2024 11:21 am

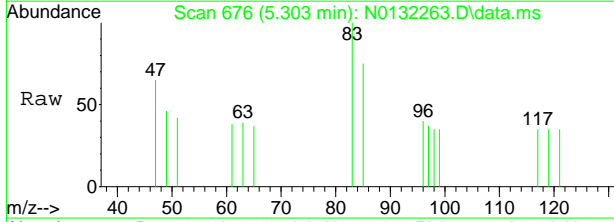
Tgt Ion	Ratio	Lower	Upper
49	100		
84	53.7	20.0	80.0
86	33.4	0.4	60.4
51	0.0	0.0	30.0



7.14
7

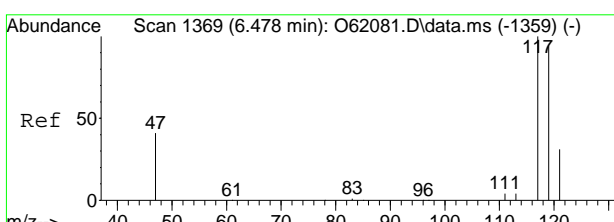
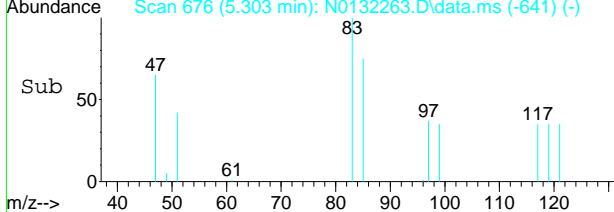
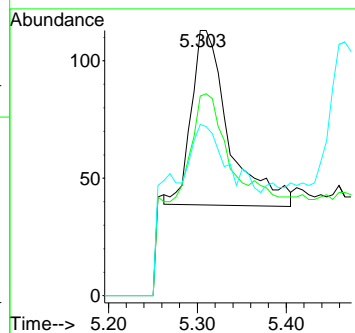


#9
 Chloroform
 Concen: 0.13 ug/L m
 RT: 5.303 min Scan# 676
 Delta R.T. 0.000 min
 Lab File: N0132263.D
 Acq: 26 Aug 2024 11:21 am

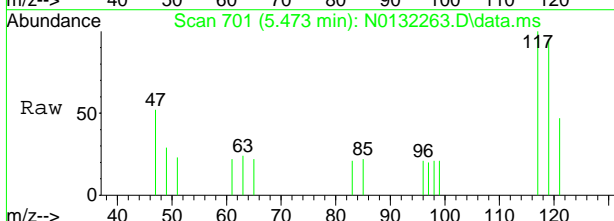


Tgt Ion: 83 Resp: 219

Ion	Ratio	Lower	Upper
83	100		
85	75.2	36.3	96.3
47	64.6	2.6	62.6#

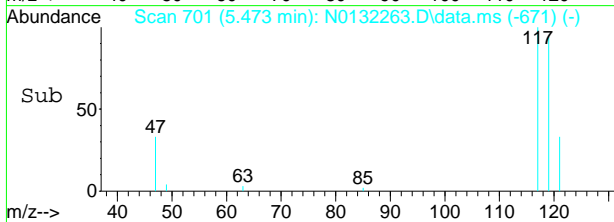
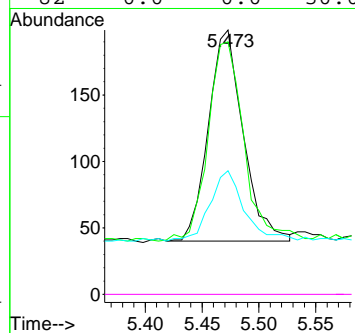


#10
 Carbon Tetrachloride
 Concen: 0.50 ug/L
 RT: 5.473 min Scan# 701
 Delta R.T. 0.007 min
 Lab File: N0132263.D
 Acq: 26 Aug 2024 11:21 am



Tgt Ion: 117 Resp: 338

Ion	Ratio	Lower	Upper
117	100		
119	93.7	67.0	127.0
121	33.3	0.5	60.5
82	0.0	0.0	30.0



7.14
7



Manual Integration Approval Summary

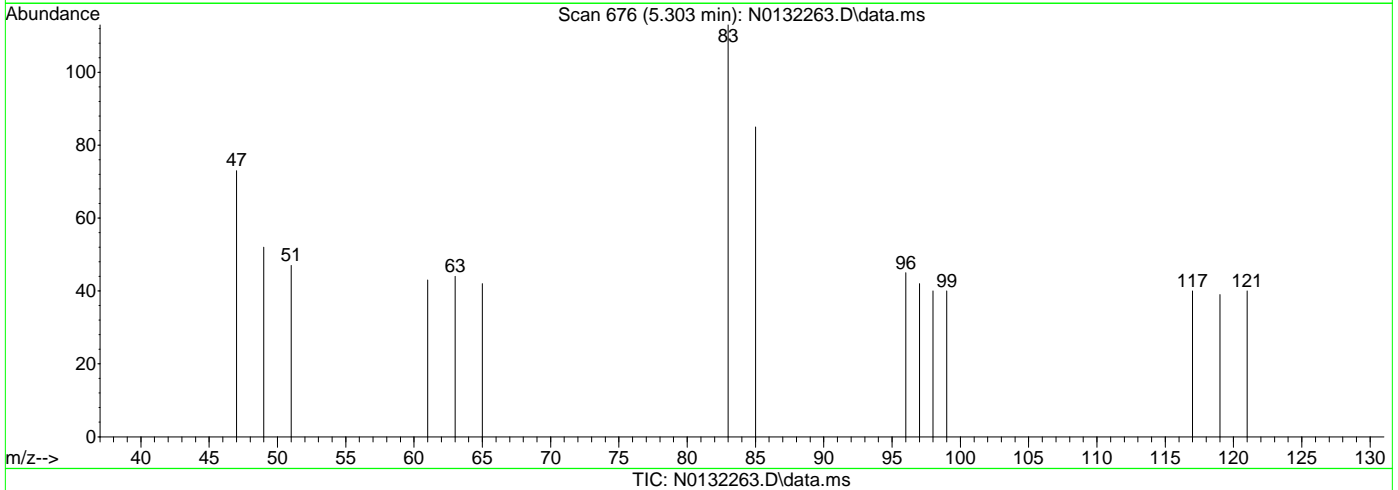
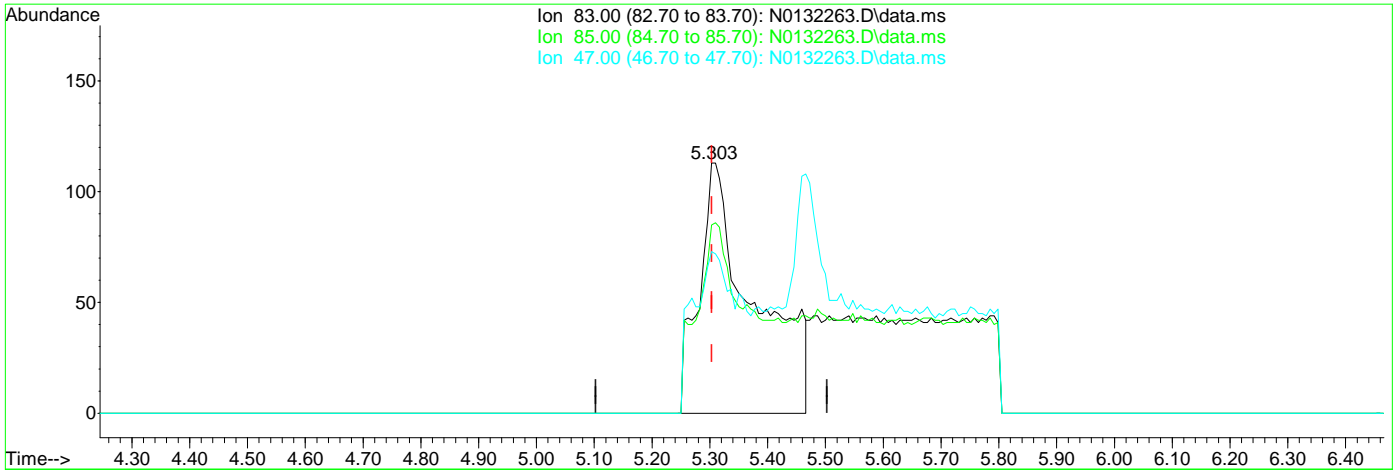
Sample Number: FC18261-4 **Method:** SW846 8260D BY SIM
Lab FileID: N0132263.D **Analyst approved:** 08/27/24 06:11 Jenifer Willis
Injection Time: 08/26/24 11:21 **Supervisor approved:** 08/27/24 07:34 Karen Watson

Parameter	CAS	Sig#	R.T. (min.)	Reason
Chloroform	67-66-3		5.30	Poorly defined baseline

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\08-26-24\
 Data File : N0132263.D
 Acq On : 26 Aug 2024 11:21 am
 Operator : jeniferw
 Sample : FC18261-4
 Misc : MS57355,VN6708,,,,,
 ALS Vial : 13 Sample Multiplier: 1

Quant Time: Aug 26 12:49:25 2024
 Quant Method : C:\msdchem\1\methods\SIMCL_VN6705_082024.M
 Quant Title : Standard Methods 6200B
 QLast Update : Tue Aug 20 14:01:28 2024
 Response via : Initial Calibration



(9) Chloroform

5.303min (+0.000) 0.43ug/L

response 734

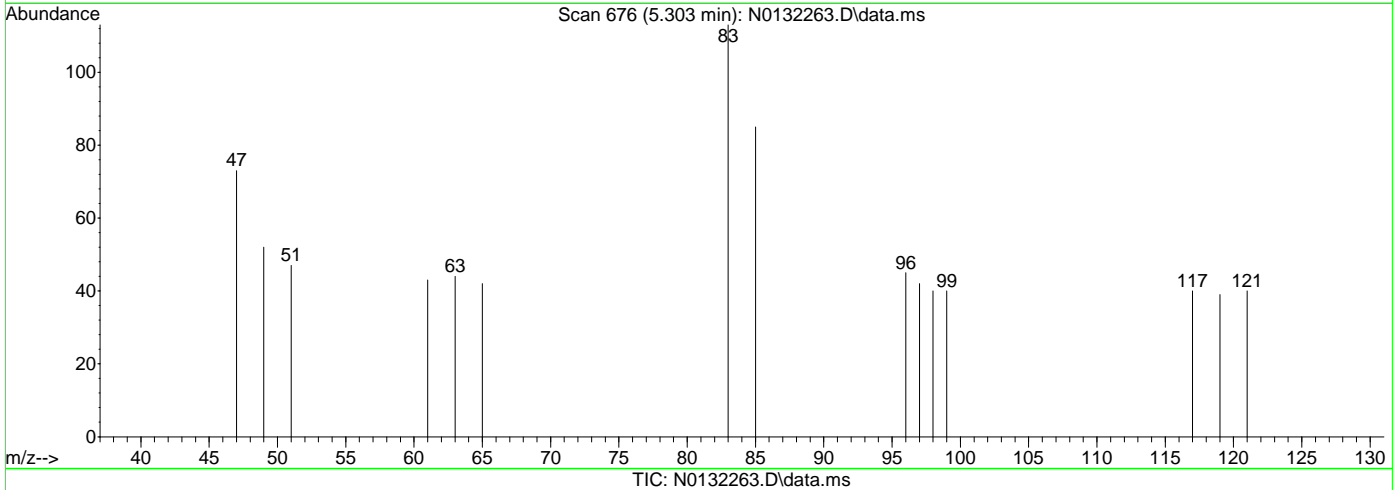
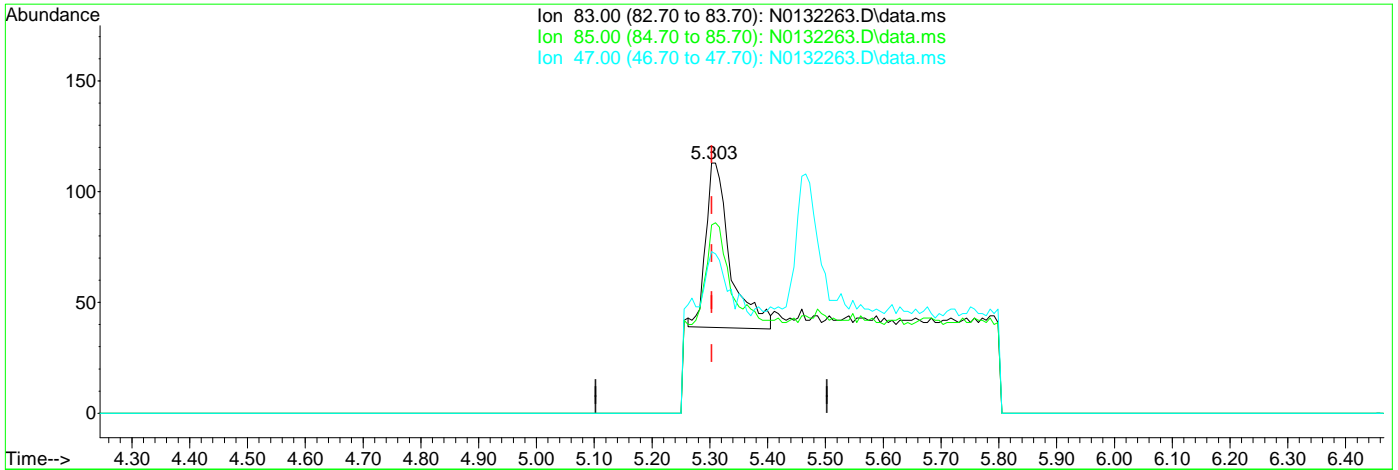
Ion	Exp%	Act%
83.00	100	100
85.00	66.30	75.22
47.00	32.60	64.60#
0.00	0.00	0.00

7.1.4.2
7

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\08-26-24\
 Data File : N0132263.D
 Acq On : 26 Aug 2024 11:21 am
 Operator : jeniferw
 Sample : FC18261-4
 Misc : MS57355,VN6708,,,,,
 ALS Vial : 13 Sample Multiplier: 1

Quant Time: Aug 26 12:49:25 2024
 Quant Method : C:\msdchem\1\methods\SIMCL_VN6705_082024.M
 Quant Title : Standard Methods 6200B
 QLast Update : Tue Aug 20 14:01:28 2024
 Response via : Initial Calibration



(9) Chloroform
 5.303min (+0.000) 0.13ug/L m
 response 219

Ion	Exp%	Act%
83.00	100	100
85.00	66.30	75.22
47.00	32.60	64.60#
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\08-26-24\
 Data File : N0132264.D
 Acq On : 26 Aug 2024 11:44 am
 Operator : jeniferw
 Sample : FC18261-5
 Misc : MS57355,VN6708,,,,,
 ALS Vial : 14 Sample Multiplier: 1

Quant Time: Aug 26 12:56:12 2024
 Quant Method : C:\msdchem\1\methods\SIMCL_VN6705_082024.M
 Quant Title : Standard Methods 6200B
 QLast Update : Tue Aug 20 14:01:28 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	

Internal Standards							
1) Fluorobenzene	6.341	96	46151	5.00	ug/L	0.00	
18) Chlorobenzene-d5	9.519	117	29398	5.00	ug/L	0.00	
System Monitoring Compounds							
13) 1,2-Dichloroethane-d4	6.045	65	20066	5.05	ug/L	0.00	
Spiked Amount	5.000	Range 74 - 125	Recovery	=	101.00%		
19) Toluene-d8	7.951	98	34867	5.37	ug/L	0.00	
Spiked Amount	5.000	Range 88 - 111	Recovery	=	107.40%		
Target Compounds							
							Qvalue
3) Chloromethane	1.977	50	292	0.21	ug/L		96
5) Methylene Chloride	3.718	49	1069	0.49	ug/L		91
9) Chloroform	5.310	83	215m	0.12	ug/L		
10) Carbon Tetrachloride	5.473	117	354	0.51	ug/L		97

(#) = qualifier out of range (m) = manual integration (+) = signals summed

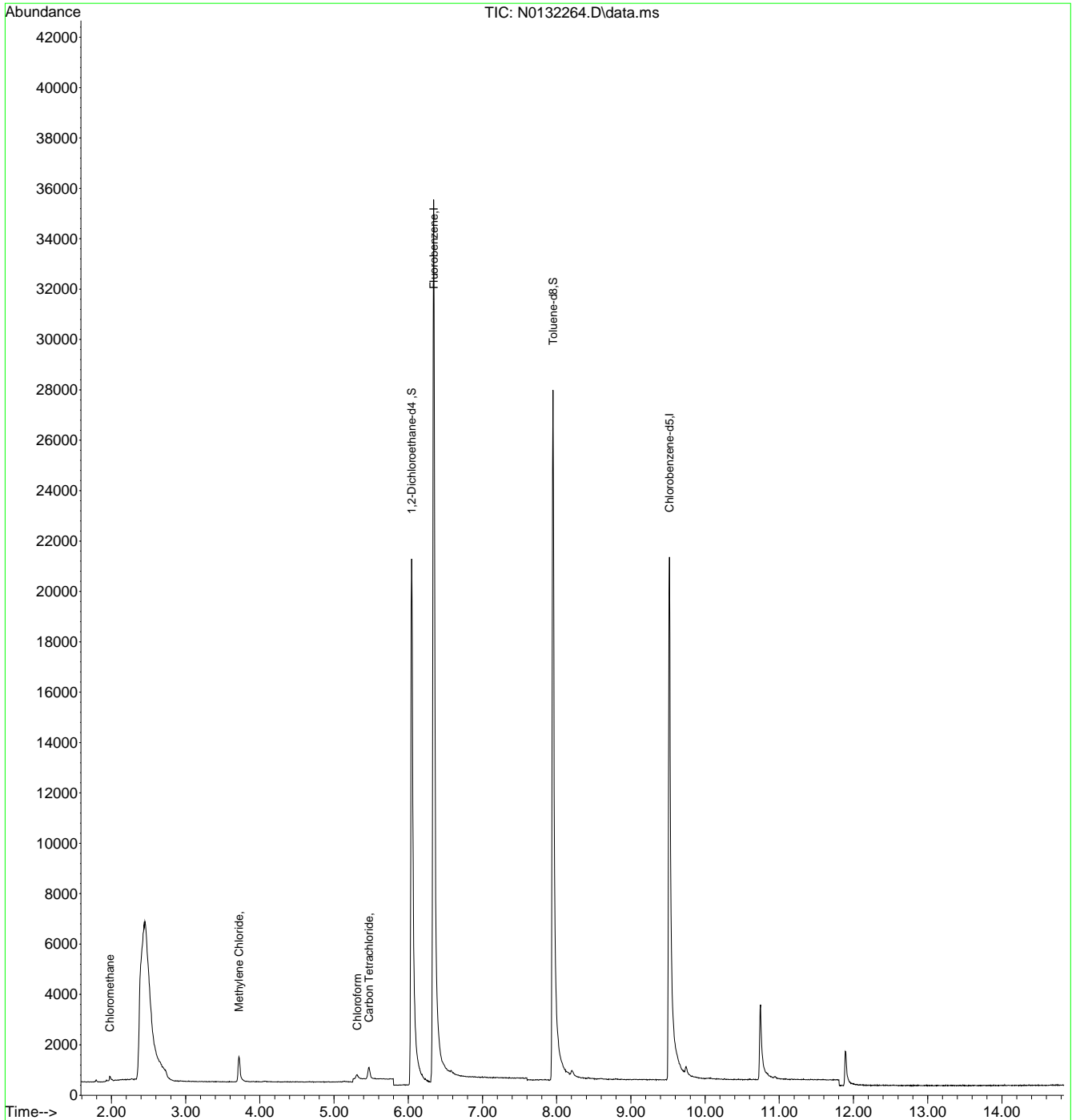
7.15
7



Quantitation Report (QT Reviewed)

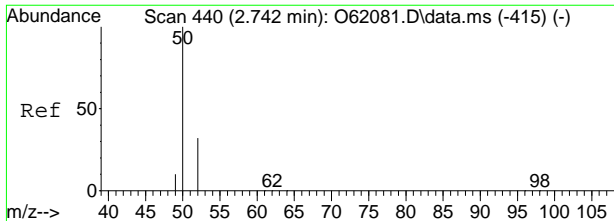
Data Path : C:\msdchem\1\data\08-26-24\
 Data File : N0132264.D
 Acq On : 26 Aug 2024 11:44 am
 Operator : jeniferw
 Sample : FC18261-5
 Misc : MS57355,VN6708,,,,,
 ALS Vial : 14 Sample Multiplier: 1

Quant Time: Aug 26 12:56:12 2024
 Quant Method : C:\msdchem\1\methods\SIMCL_VN6705_082024.M
 Quant Title : Standard Methods 6200B
 QLast Update : Tue Aug 20 14:01:28 2024
 Response via : Initial Calibration



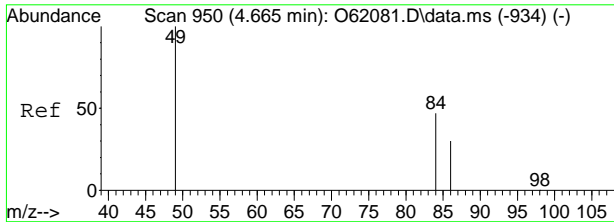
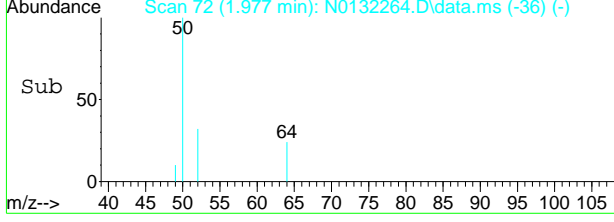
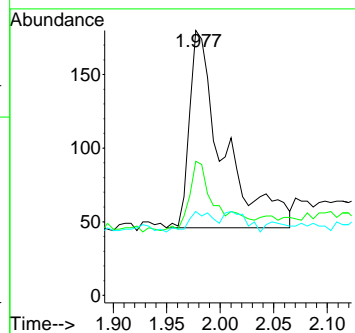
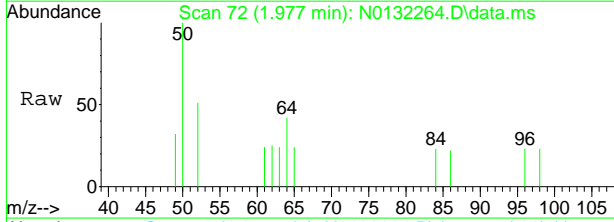
7.1.5
7





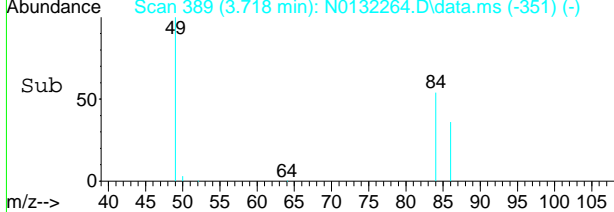
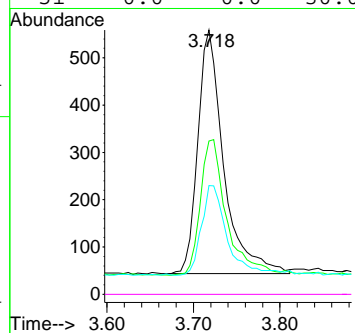
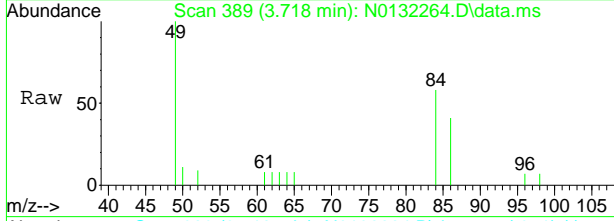
#3
 Chloromethane
 Concen: 0.21 ug/L
 RT: 1.977 min Scan# 72
 Delta R.T. -0.005 min
 Lab File: N0132264.D
 Acq: 26 Aug 2024 11:44 am

Tgt Ion	Resp	Lower	Upper
50	292		
52	34.3	2.1	62.1
49	10.4	0.0	39.6

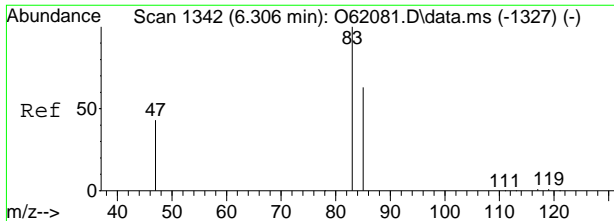


#5
 Methylene Chloride
 Concen: 0.49 ug/L
 RT: 3.718 min Scan# 389
 Delta R.T. 0.006 min
 Lab File: N0132264.D
 Acq: 26 Aug 2024 11:44 am

Tgt Ion	Resp	Lower	Upper
49	1069		
84	55.0	20.0	80.0
86	36.3	0.4	60.4
51	0.0	0.0	30.0

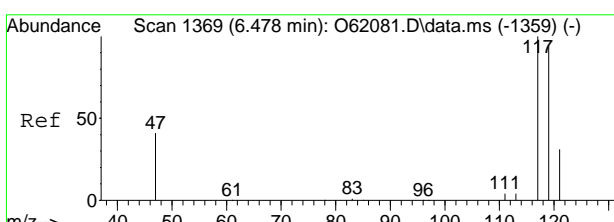
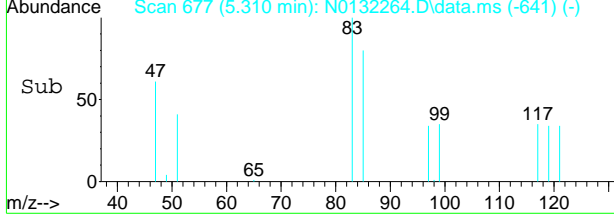
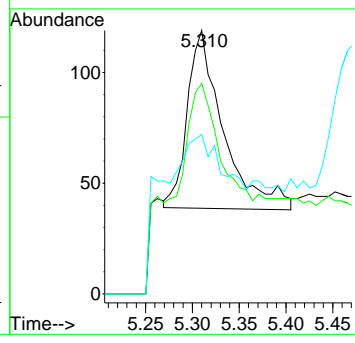
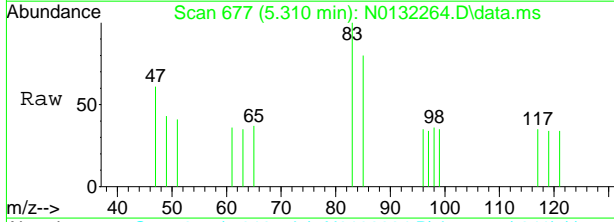


7.15
7



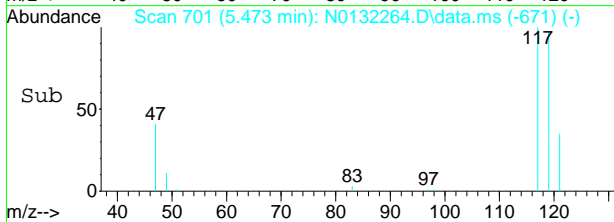
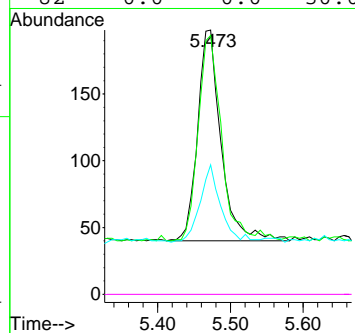
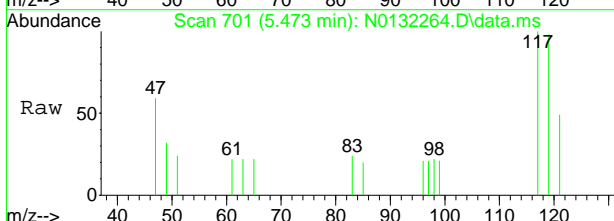
#9
 Chloroform
 Concen: 0.12 ug/L m
 RT: 5.310 min Scan# 677
 Delta R.T. 0.007 min
 Lab File: N0132264.D
 Acq: 26 Aug 2024 11:44 am

Tgt Ion	Resp	Lower	Upper
83	215		
85	79.8	36.3	96.3
47	60.5	2.6	62.6



#10
 Carbon Tetrachloride
 Concen: 0.51 ug/L
 RT: 5.473 min Scan# 701
 Delta R.T. 0.007 min
 Lab File: N0132264.D
 Acq: 26 Aug 2024 11:44 am

Tgt Ion	Resp	Lower	Upper
117	354		
117	100		
119	97.5	67.0	127.0
121	36.1	0.5	60.5
82	0.0	0.0	30.0



7.15
7

Manual Integration Approval Summary

Sample Number: FC18261-5 **Method:** SW846 8260D BY SIM
Lab FileID: N0132264.D **Analyst approved:** 08/27/24 06:11 Jenifer Willis
Injection Time: 08/26/24 11:44 **Supervisor approved:** 08/27/24 07:34 Karen Watson

Parameter	CAS	Sig#	R.T. (min.)	Reason
Chloroform	67-66-3		5.31	Poorly defined baseline

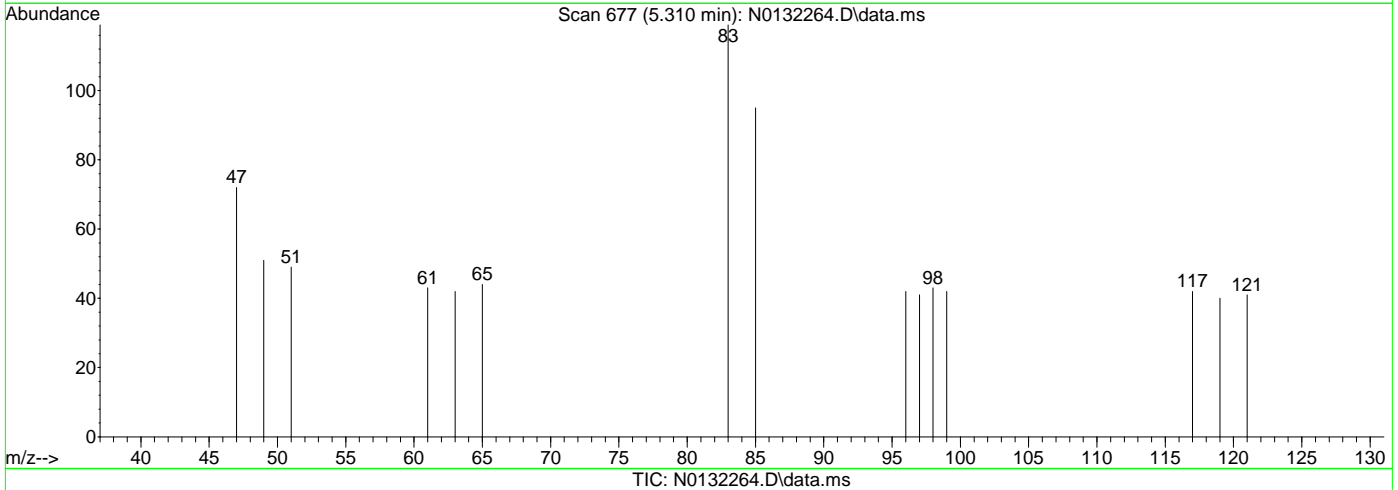
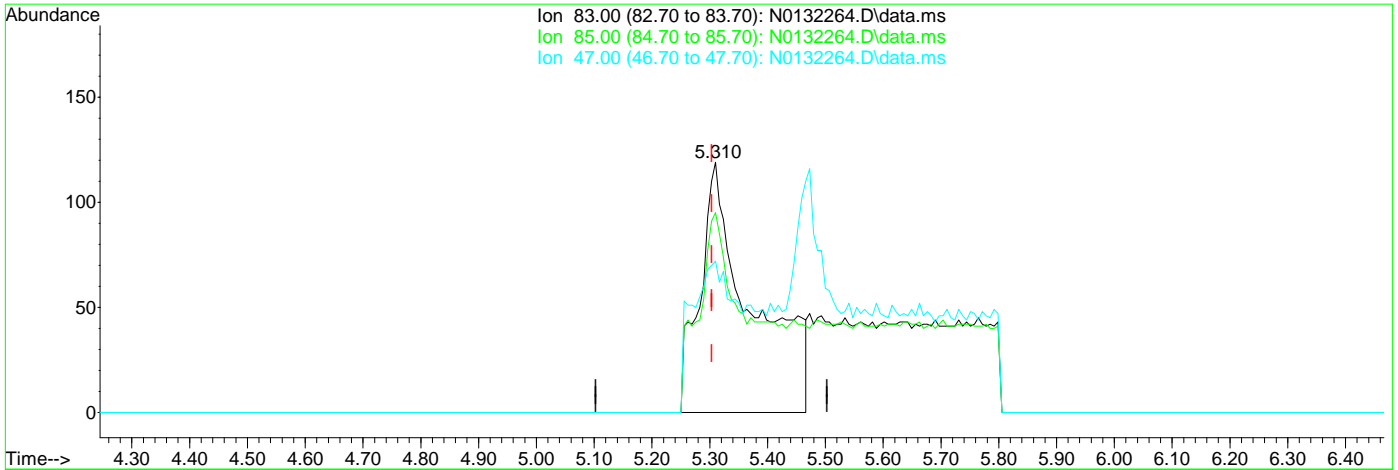
7.1.5.1

7

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\08-26-24\
 Data File : N0132264.D
 Acq On : 26 Aug 2024 11:44 am
 Operator : jeniferw
 Sample : FC18261-5
 Misc : MS57355,VN6708,,,,,
 ALS Vial : 14 Sample Multiplier: 1

Quant Time: Aug 26 12:49:27 2024
 Quant Method : C:\msdchem\1\methods\SIMCL_VN6705_082024.M
 Quant Title : Standard Methods 6200B
 QLast Update : Tue Aug 20 14:01:28 2024
 Response via : Initial Calibration



(9) Chloroform
 5.310min (+0.007) 0.42ug/L
 response 733

Ion	Exp%	Act%
83.00	100	100
85.00	66.30	79.83
47.00	32.60	60.50
0.00	0.00	0.00

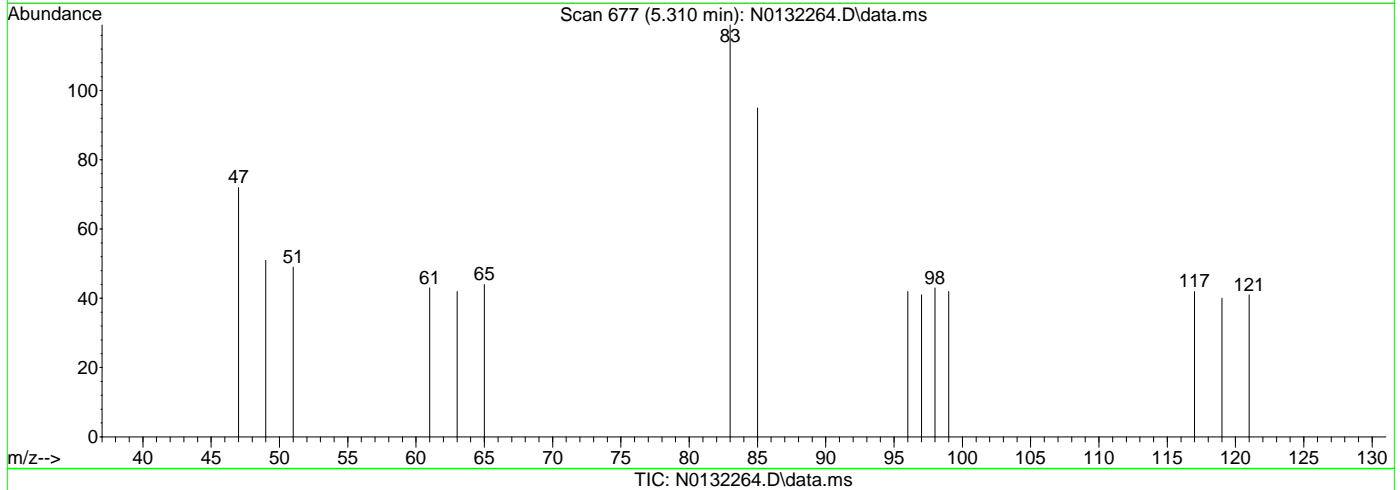
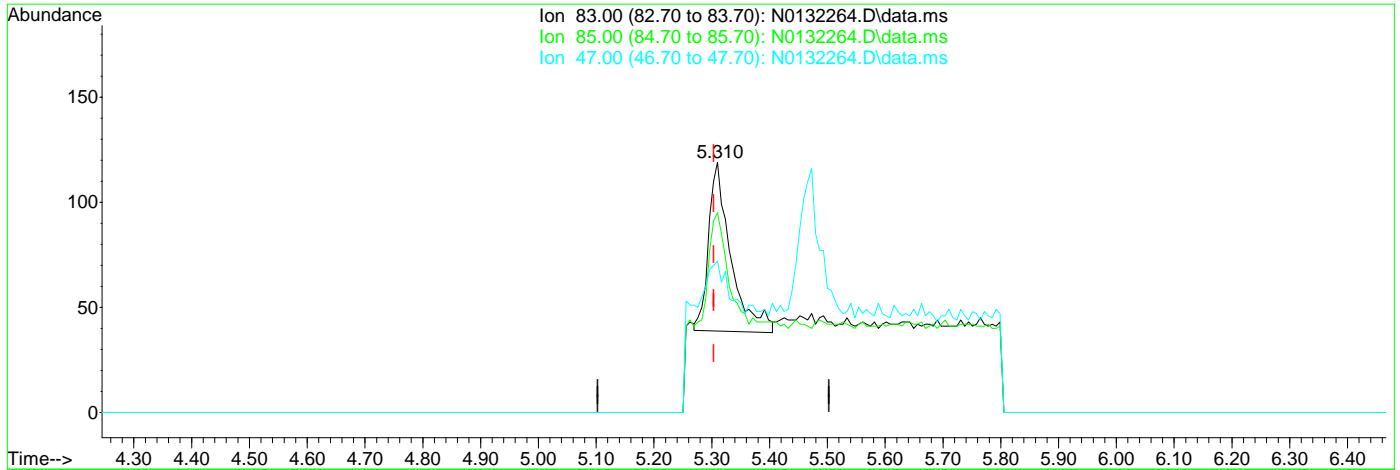


7.1.5.2
7

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\08-26-24\
 Data File : N0132264.D
 Acq On : 26 Aug 2024 11:44 am
 Operator : jeniferw
 Sample : FC18261-5
 Misc : MS57355,VN6708,,,,,
 ALS Vial : 14 Sample Multiplier: 1

Quant Time: Aug 26 12:49:27 2024
 Quant Method : C:\msdchem\1\methods\SIMCL_VN6705_082024.M
 Quant Title : Standard Methods 6200B
 QLast Update : Tue Aug 20 14:01:28 2024
 Response via : Initial Calibration



(9) Chloroform
 5.310min (+0.007) 0.12ug/L m

response 215

Ion	Exp%	Act%
83.00	100	100
85.00	66.30	79.83
47.00	32.60	60.50
0.00	0.00	0.00

7.1.5.3
7

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\08-26-24\
 Data File : N0132265.D
 Acq On : 26 Aug 2024 12:08 pm
 Operator : jeniferw
 Sample : FC18261-6
 Misc : MS57355,VN6708,,,,,
 ALS Vial : 15 Sample Multiplier: 1

Quant Time: Aug 26 12:56:44 2024
 Quant Method : C:\msdchem\1\methods\SIMCL_VN6705_082024.M
 Quant Title : Standard Methods 6200B
 QLast Update : Tue Aug 20 14:01:28 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	Qvalue

Internal Standards							
1) Fluorobenzene	6.341	96	44949	5.00	ug/L	0.00	
18) Chlorobenzene-d5	9.519	117	28168	5.00	ug/L	0.00	
System Monitoring Compounds							
13) 1,2-Dichloroethane-d4	6.045	65	19865	5.14	ug/L	0.00	
Spiked Amount	5.000	Range 74 - 125	Recovery	=	102.80%		
19) Toluene-d8	7.950	98	33658	5.41	ug/L	0.00	
Spiked Amount	5.000	Range 88 - 111	Recovery	=	108.20%		
Target Compounds							
3) Chloromethane	1.982	50	298	0.22	ug/L	95	
5) Methylene Chloride	3.718	49	1038	0.49	ug/L	97	
9) Chloroform	5.310	83	150m	0.09	ug/L		
10) Carbon Tetrachloride	5.473	117	118	0.18	ug/L	93	

(#) = qualifier out of range (m) = manual integration (+) = signals summed

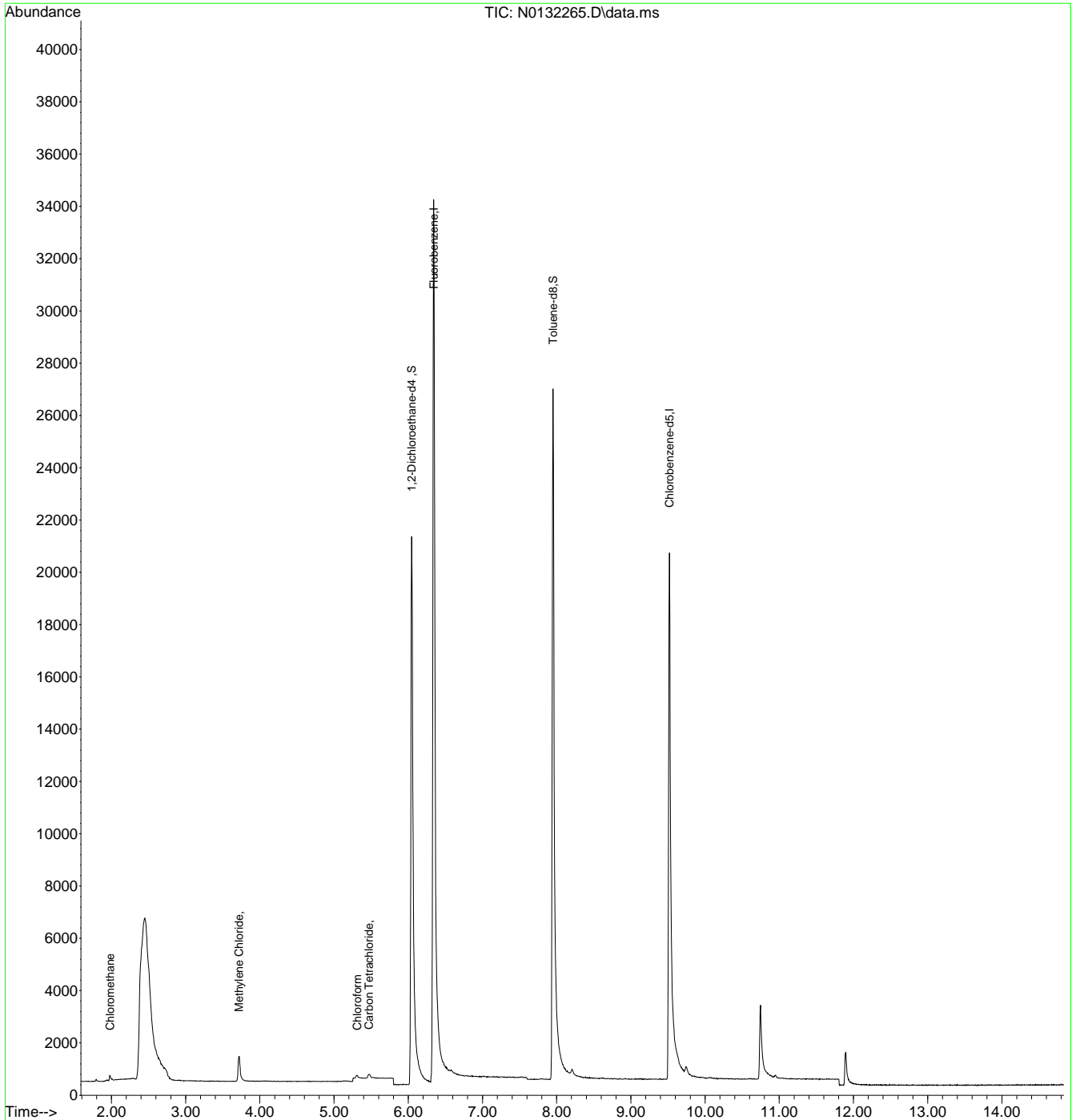
7.1.6
7

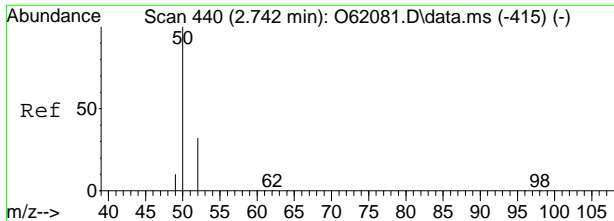


Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\08-26-24\
 Data File : N0132265.D
 Acq On : 26 Aug 2024 12:08 pm
 Operator : jeniferw
 Sample : FC18261-6
 Misc : MS57355,VN6708,,,,,
 ALS Vial : 15 Sample Multiplier: 1

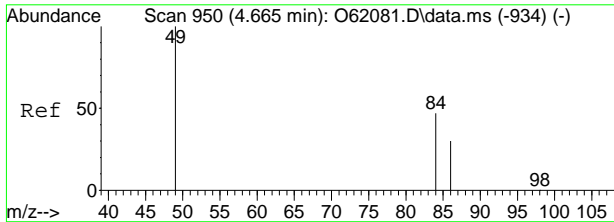
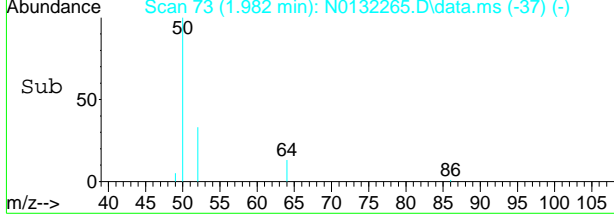
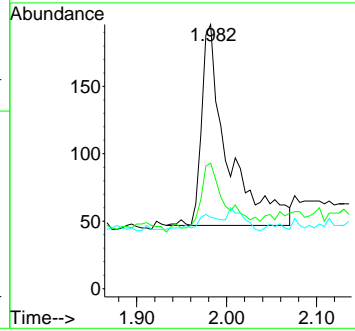
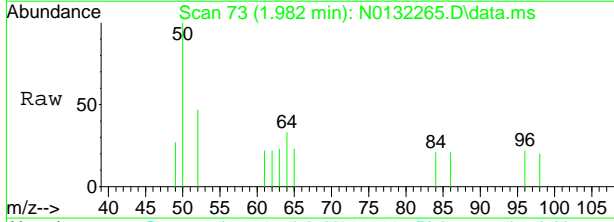
Quant Time: Aug 26 12:56:44 2024
 Quant Method : C:\msdchem\1\methods\SIMCL_VN6705_082024.M
 Quant Title : Standard Methods 6200B
 QLast Update : Tue Aug 20 14:01:28 2024
 Response via : Initial Calibration





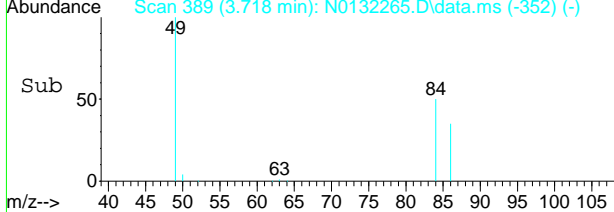
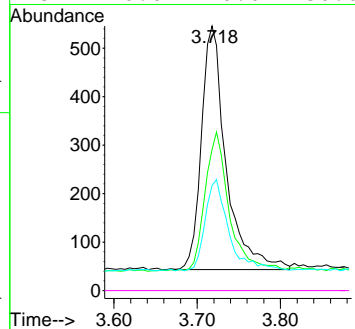
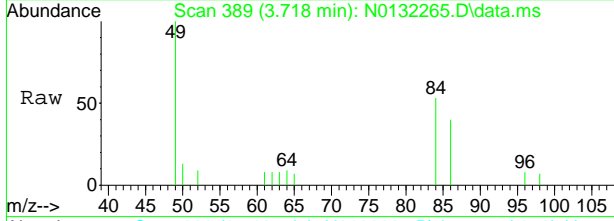
#3
 Chloromethane
 Concen: 0.22 ug/L
 RT: 1.982 min Scan# 73
 Delta R.T. 0.000 min
 Lab File: N0132265.D
 Acq: 26 Aug 2024 12:08 pm

Tgt Ion	Ratio	Lower	Upper
50	100		
52	34.2	2.1	62.1
49	6.0	0.0	39.6

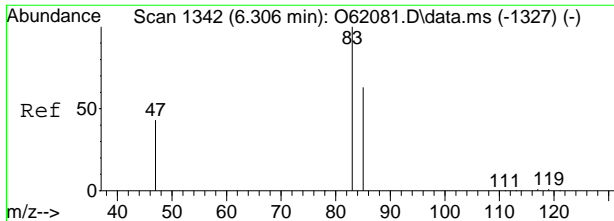


#5
 Methylene Chloride
 Concen: 0.49 ug/L
 RT: 3.718 min Scan# 389
 Delta R.T. 0.006 min
 Lab File: N0132265.D
 Acq: 26 Aug 2024 12:08 pm

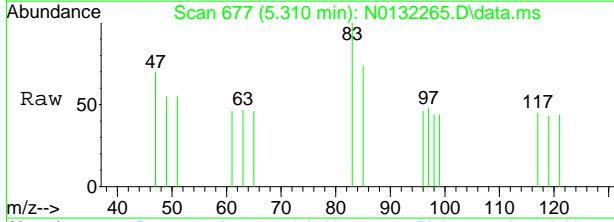
Tgt Ion	Ratio	Lower	Upper
49	100		
84	49.7	20.0	80.0
86	34.8	0.4	60.4
51	0.0	0.0	30.0



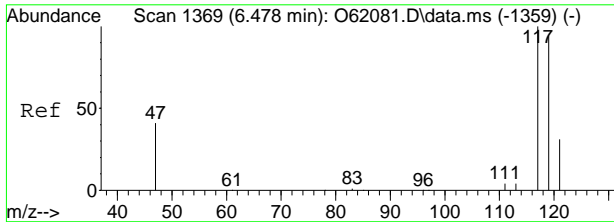
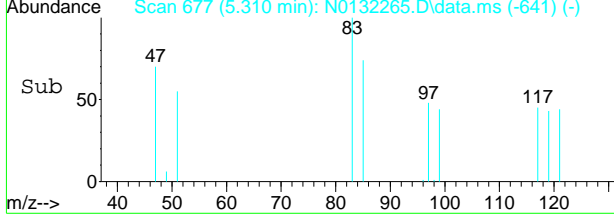
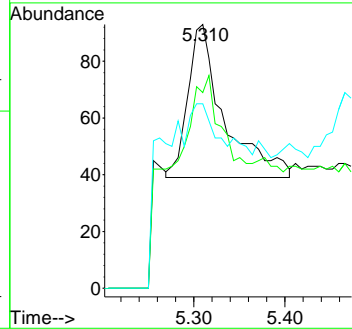
7.16
7



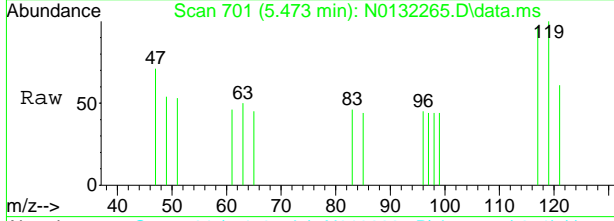
#9
 Chloroform
 Concen: 0.09 ug/L m
 RT: 5.310 min Scan# 677
 Delta R.T. 0.007 min
 Lab File: N0132265.D
 Acq: 26 Aug 2024 12:08 pm



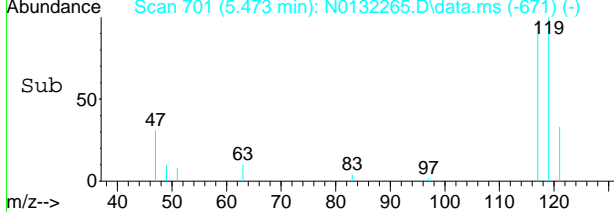
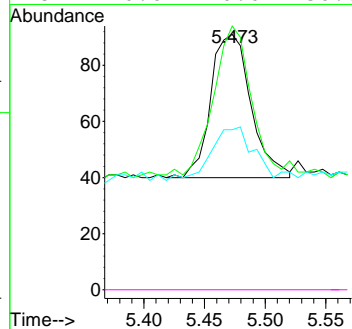
Tgt Ion	Resp	Lower	Upper
83	150		
85	74.2	36.3	96.3
47	69.9	2.6	62.6#



#10
 Carbon Tetrachloride
 Concen: 0.18 ug/L
 RT: 5.473 min Scan# 701
 Delta R.T. 0.007 min
 Lab File: N0132265.D
 Acq: 26 Aug 2024 12:08 pm



Tgt Ion	Resp	Lower	Upper
117	118		
117	100		
119	103.9	67.0	127.0
121	35.3	0.5	60.5
82	0.0	0.0	30.0



7.1.6
7

Manual Integration Approval Summary

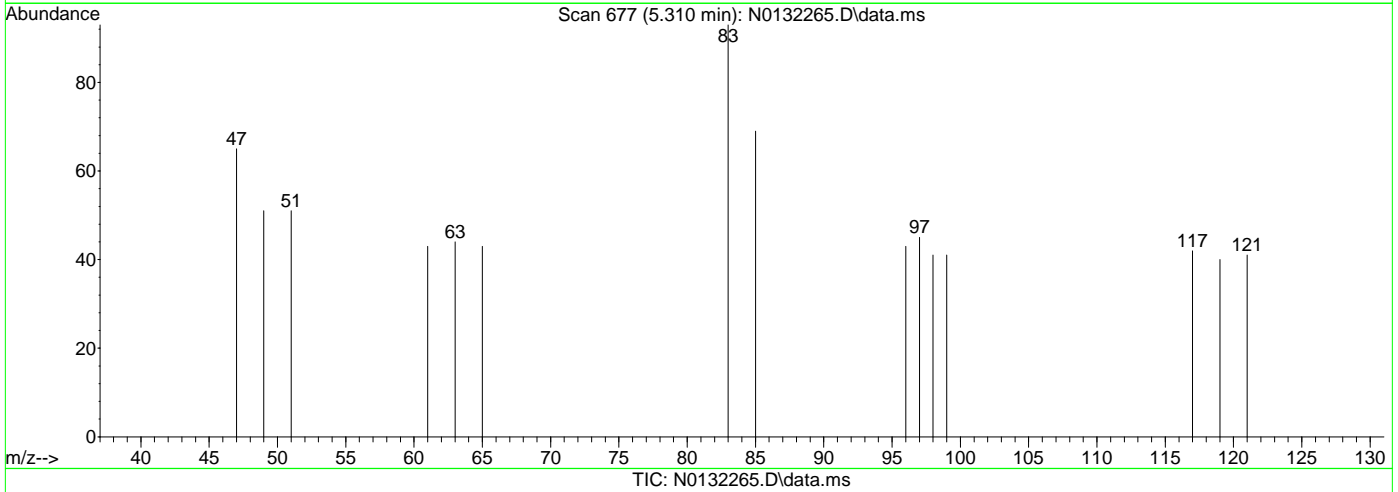
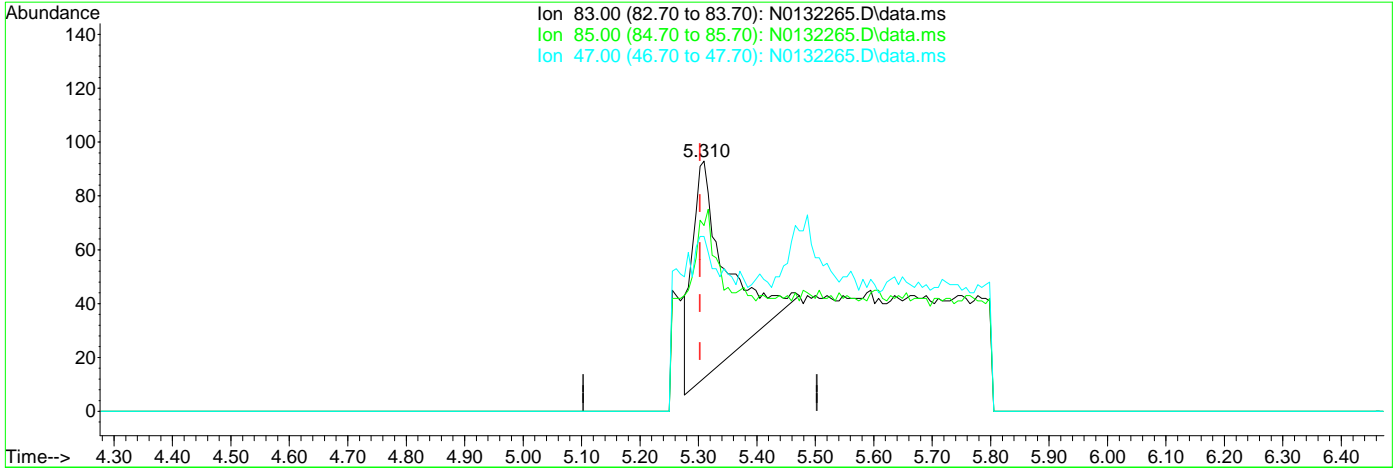
Sample Number: FC18261-6 **Method:** SW846 8260D BY SIM
Lab FileID: N0132265.D **Analyst approved:** 08/27/24 06:11 Jenifer Willis
Injection Time: 08/26/24 12:08 **Supervisor approved:** 08/27/24 07:34 Karen Watson

Parameter	CAS	Sig#	R.T. (min.)	Reason
Chloroform	67-66-3		5.31	Poorly defined baseline

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\08-26-24\
 Data File : N0132265.D
 Acq On : 26 Aug 2024 12:08 pm
 Operator : jeniferw
 Sample : FC18261-6
 Misc : MS57355,VN6708,,,,,
 ALS Vial : 15 Sample Multiplier: 1

Quant Time: Aug 26 12:49:29 2024
 Quant Method : C:\msdchem\1\methods\SIMCL_VN6705_082024.M
 Quant Title : Standard Methods 6200B
 QLast Update : Tue Aug 20 14:01:28 2024
 Response via : Initial Calibration



(9) Chloroform

5.310min (+0.007) 0.20ug/L

response 336

Ion	Exp%	Act%
83.00	100	100
85.00	66.30	56.00
47.00	32.60	30.00
0.00	0.00	0.00

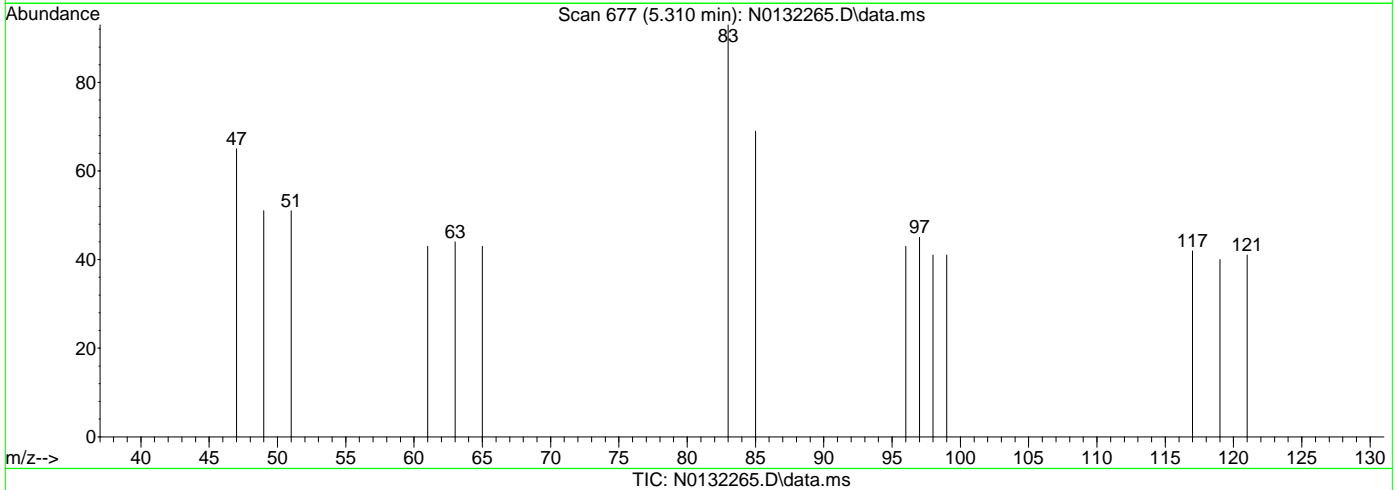
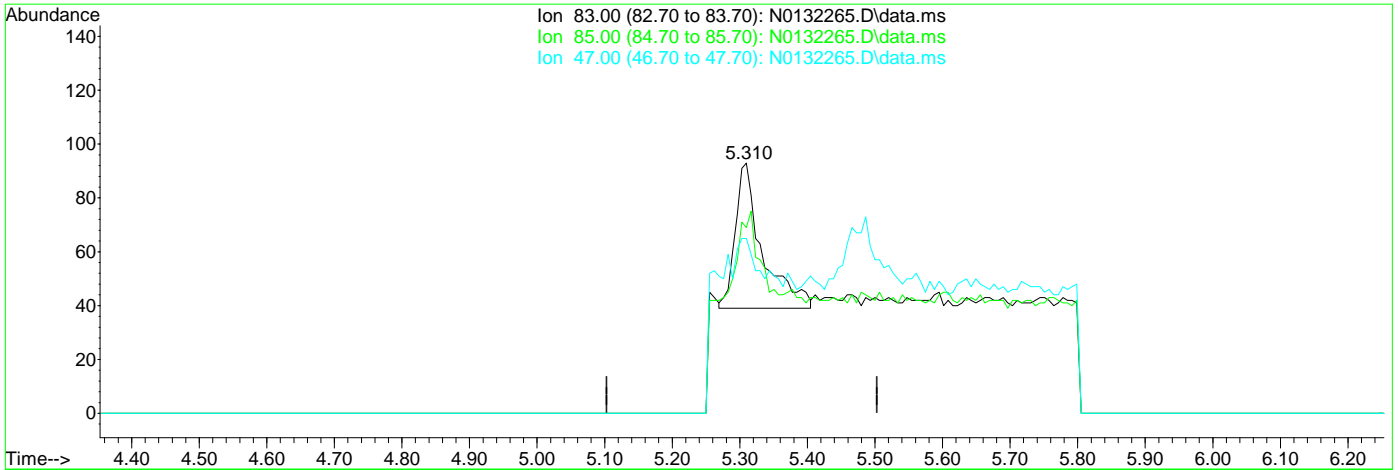


7.1.6.2
7

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\08-26-24\
 Data File : N0132265.D
 Acq On : 26 Aug 2024 12:08 pm
 Operator : jeniferw
 Sample : FC18261-6
 Misc : MS57355,VN6708,,,,,
 ALS Vial : 15 Sample Multiplier: 1

Quant Time: Aug 26 12:49:29 2024
 Quant Method : C:\msdchem\1\methods\SIMCL_VN6705_082024.M
 Quant Title : Standard Methods 6200B
 QLast Update : Tue Aug 20 14:01:28 2024
 Response via : Initial Calibration



(9) Chloroform
 5.310min (+0.007) 0.09ug/L m
 response 150

Ion	Exp%	Act%
83.00	100	100
85.00	66.30	74.19
47.00	32.60	69.89#
0.00	0.00	0.00



7.1.6.3
7

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\08-26-24\
 Data File : N0132266.D
 Acq On : 26 Aug 2024 12:31 pm
 Operator : jeniferw
 Sample : FC18261-7
 Misc : MS57355,VN6708,,,,,
 ALS Vial : 16 Sample Multiplier: 1

Quant Time: Aug 26 12:57:10 2024
 Quant Method : C:\msdchem\1\methods\SIMCL_VN6705_082024.M
 Quant Title : Standard Methods 6200B
 QLast Update : Tue Aug 20 14:01:28 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	Qvalue

Internal Standards							
1) Fluorobenzene	6.341	96	44481	5.00	ug/L	0.00	
18) Chlorobenzene-d5	9.519	117	27960	5.00	ug/L	0.00	
System Monitoring Compounds							
13) 1,2-Dichloroethane-d4	6.045	65	19762	5.16	ug/L	0.00	
Spiked Amount	5.000	Range 74 - 125	Recovery	=	103.20%		
19) Toluene-d8	7.951	98	33125	5.37	ug/L	0.00	
Spiked Amount	5.000	Range 88 - 111	Recovery	=	107.40%		
Target Compounds							
3) Chloromethane	1.977	50	326	0.25	ug/L	95	
5) Methylene Chloride	3.718	49	1066	0.51	ug/L	92	
9) Chloroform	5.303	83	540m	0.32	ug/L		
10) Carbon Tetrachloride	5.466	117	1875	2.82	ug/L	97	

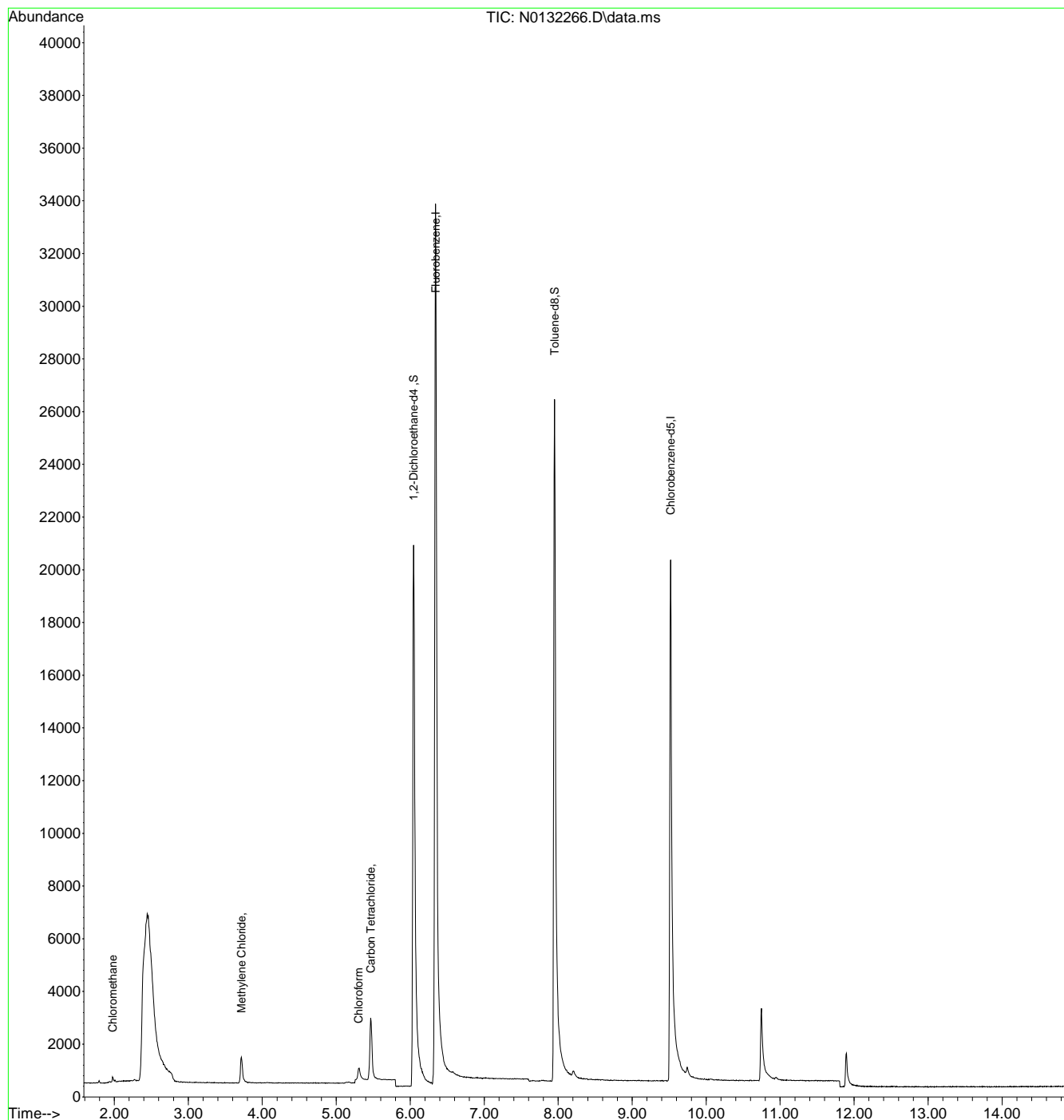
(#) = qualifier out of range (m) = manual integration (+) = signals summed

7.17
7

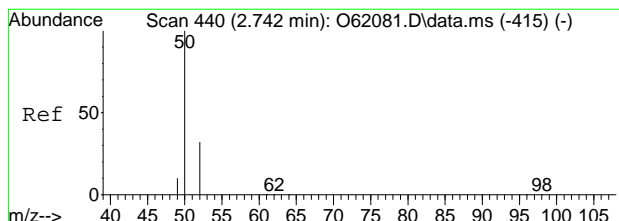
Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\08-26-24\
Data File : N0132266.D
Acq On : 26 Aug 2024 12:31 pm
Operator : jeniferw
Sample : FC18261-7
Misc : MS57355,VN6708,,,,,
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Aug 26 12:57:10 2024
Quant Method : C:\msdchem\1\methods\SIMCL_VN6705_082024.M
Quant Title : Standard Methods 6200B
QLast Update : Tue Aug 20 14:01:28 2024
Response via : Initial Calibration

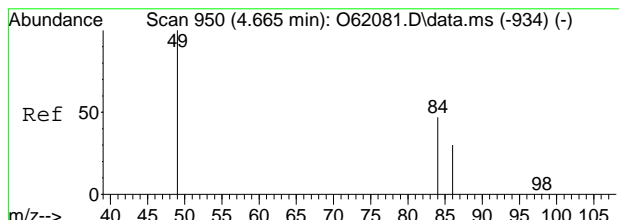
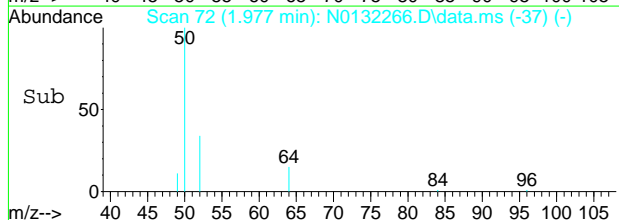
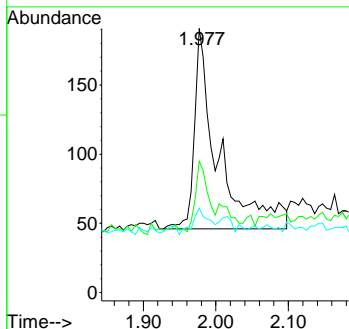
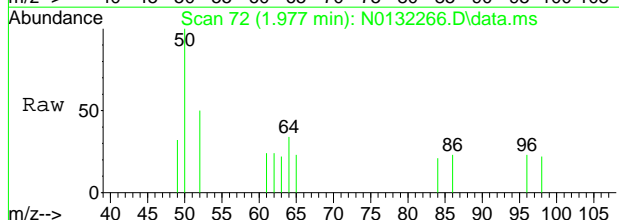


7.1.7
7



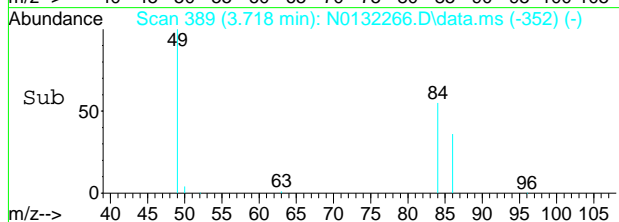
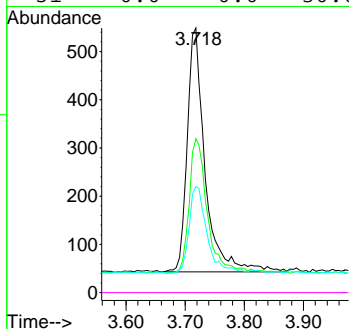
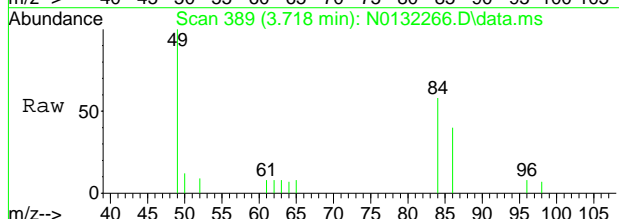
#3
 Chloromethane
 Concen: 0.25 ug/L
 RT: 1.977 min Scan# 72
 Delta R.T. -0.005 min
 Lab File: N0132266.D
 Acq: 26 Aug 2024 12:31 pm

Tgt Ion	Resp	Lower	Upper
50	326		
52	34.5	2.1	62.1
49	11.7	0.0	39.6

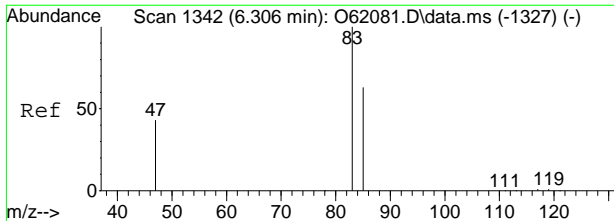


#5
 Methylene Chloride
 Concen: 0.51 ug/L
 RT: 3.718 min Scan# 389
 Delta R.T. 0.006 min
 Lab File: N0132266.D
 Acq: 26 Aug 2024 12:31 pm

Tgt Ion	Resp	Lower	Upper
49	1066		
84	54.7	20.0	80.0
86	35.4	0.4	60.4
51	0.0	0.0	30.0

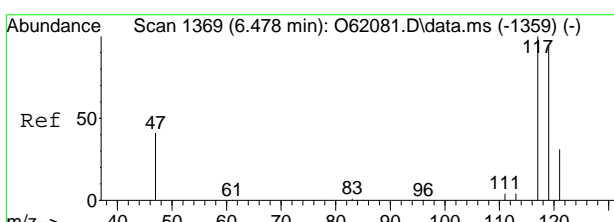
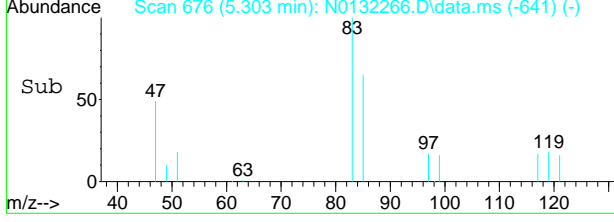
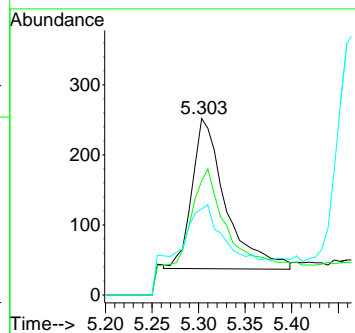
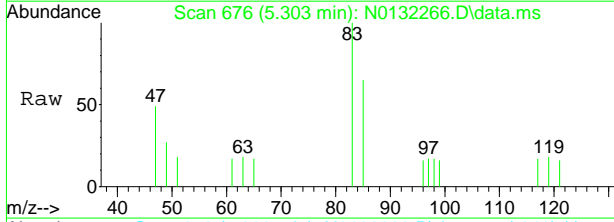


7.17
7



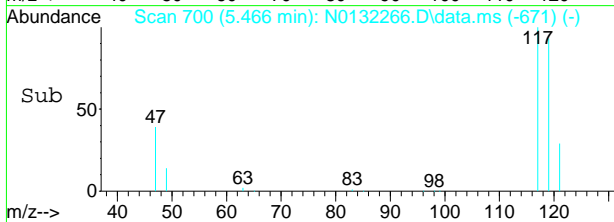
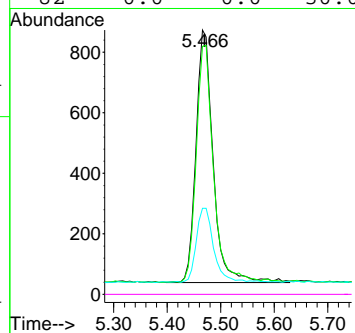
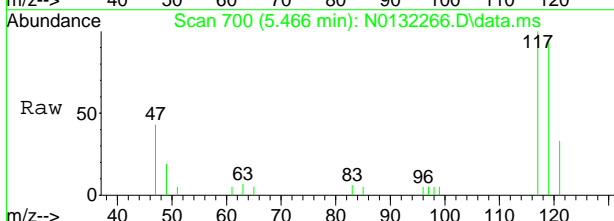
#9
 Chloroform
 Concen: 0.32 ug/L m
 RT: 5.303 min Scan# 676
 Delta R.T. 0.000 min
 Lab File: N0132266.D
 Acq: 26 Aug 2024 12:31 pm

Tgt Ion	Resp	Lower	Upper
83	100		
85	64.7	36.3	96.3
47	48.8	2.6	62.6



#10
 Carbon Tetrachloride
 Concen: 2.82 ug/L
 RT: 5.466 min Scan# 700
 Delta R.T. 0.000 min
 Lab File: N0132266.D
 Acq: 26 Aug 2024 12:31 pm

Tgt Ion	Resp	Lower	Upper
117	100		
119	93.3	67.0	127.0
121	29.2	0.5	60.5
82	0.0	0.0	30.0



7.17
7

Manual Integration Approval Summary

Sample Number: FC18261-7 **Method:** SW846 8260D BY SIM
Lab FileID: N0132266.D **Analyst approved:** 08/27/24 06:11 Jenifer Willis
Injection Time: 08/26/24 12:31 **Supervisor approved:** 08/27/24 07:34 Karen Watson

Parameter	CAS	Sig#	R.T. (min.)	Reason
Chloroform	67-66-3		5.30	Poorly defined baseline

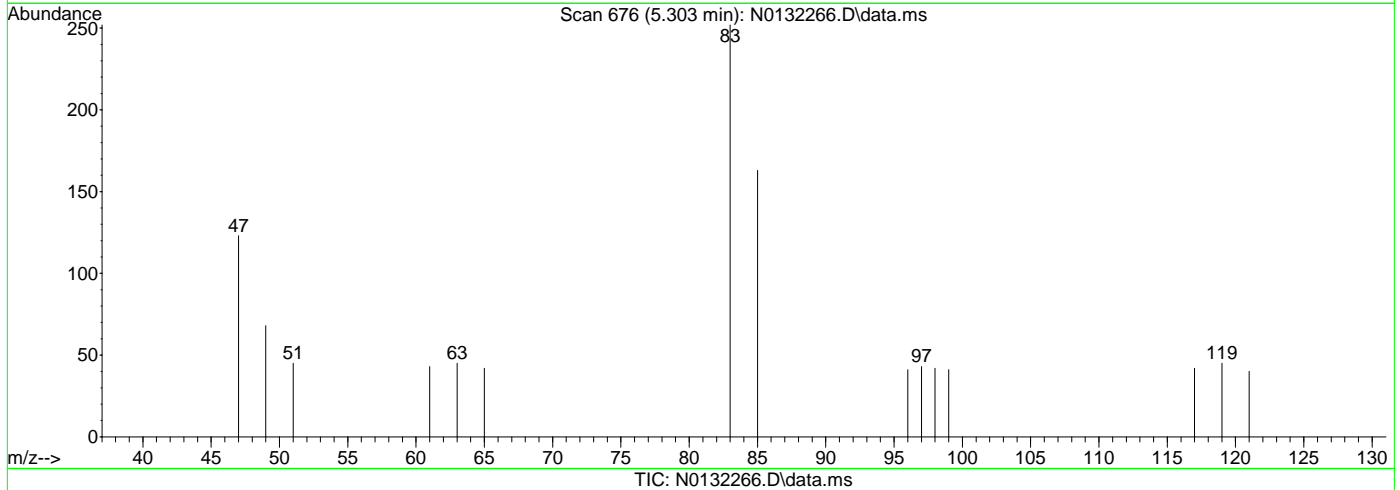
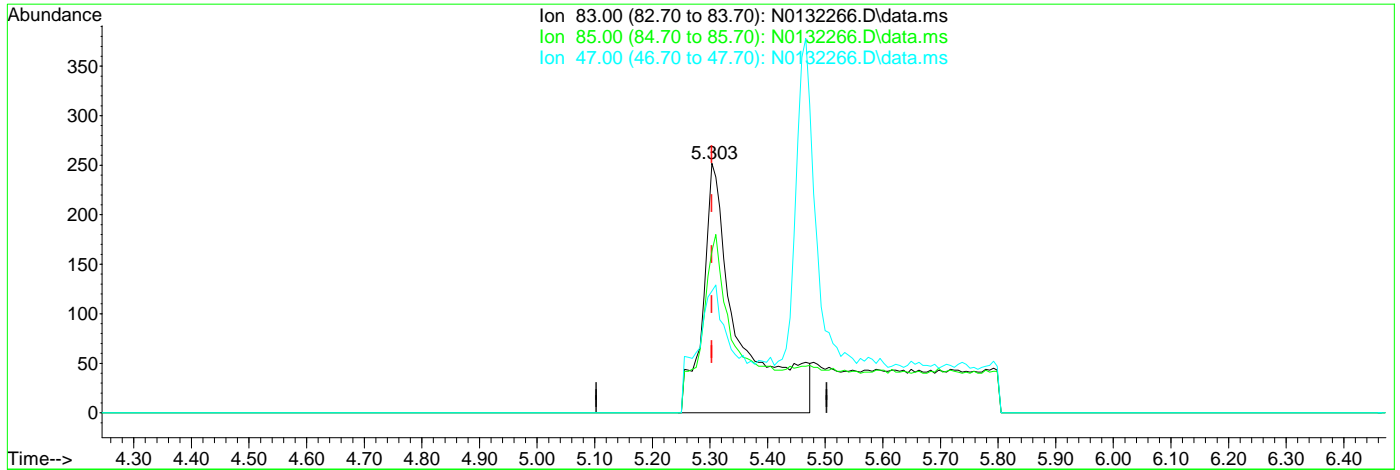
7.1.7.1

7

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\08-26-24\
 Data File : N0132266.D
 Acq On : 26 Aug 2024 12:31 pm
 Operator : jeniferw
 Sample : FC18261-7
 Misc : MS57355,VN6708,,,,,
 ALS Vial : 16 Sample Multiplier: 1

Quant Time: Aug 26 12:49:31 2024
 Quant Method : C:\msdchem\1\methods\SIMCL_VN6705_082024.M
 Quant Title : Standard Methods 6200B
 QLast Update : Tue Aug 20 14:01:28 2024
 Response via : Initial Calibration



(9) Chloroform

5.303min (+0.000) 0.65ug/L

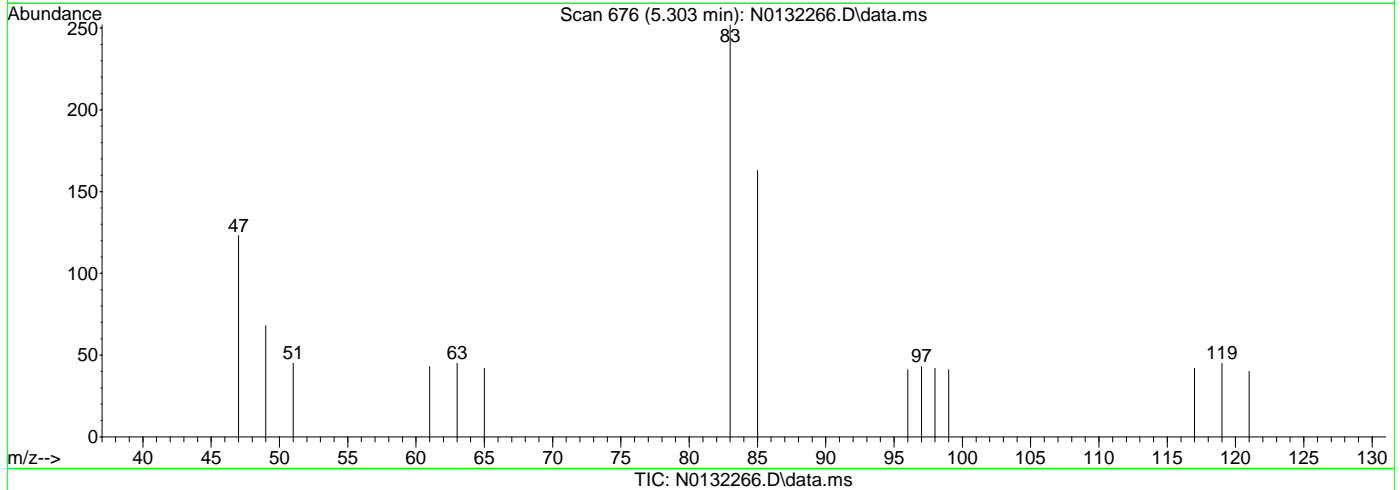
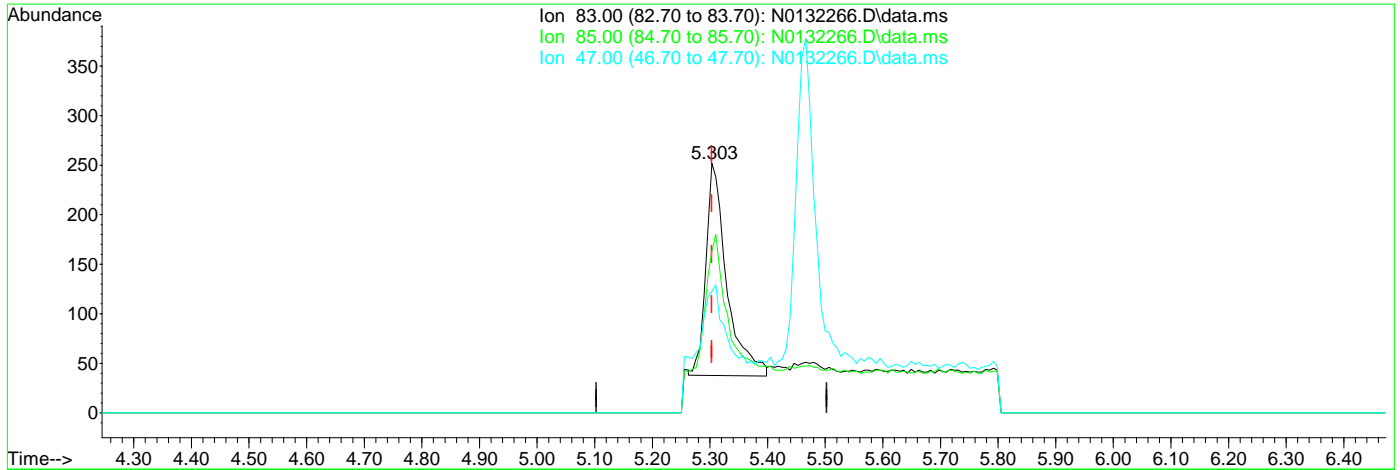
response 1082

Ion	Exp%	Act%
83.00	100	100
85.00	66.30	64.68
47.00	32.60	48.81
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\08-26-24\
 Data File : N0132266.D
 Acq On : 26 Aug 2024 12:31 pm
 Operator : jeniferw
 Sample : FC18261-7
 Misc : MS57355,VN6708,,,,,
 ALS Vial : 16 Sample Multiplier: 1

Quant Time: Aug 26 12:49:31 2024
 Quant Method : C:\msdchem\1\methods\SIMCL_VN6705_082024.M
 Quant Title : Standard Methods 6200B
 QLast Update : Tue Aug 20 14:01:28 2024
 Response via : Initial Calibration



(9) Chloroform

5.303min (+0.000) 0.32ug/L m

response 540

Ion	Exp%	Act%
83.00	100	100
85.00	66.30	64.68
47.00	32.60	48.81
0.00	0.00	0.00

7.1.7.3
7

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\08-26-24\
 Data File : N0132267.D
 Acq On : 26 Aug 2024 12:55 pm
 Operator : jeniferw
 Sample : FC18261-8
 Misc : MS57355,VN6708,,,,,
 ALS Vial : 17 Sample Multiplier: 1

Quant Time: Aug 27 06:04:54 2024
 Quant Method : C:\msdchem\1\methods\SIMCL_VN6705_082024.M
 Quant Title : Standard Methods 6200B
 QLast Update : Tue Aug 20 14:01:28 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	Qvalue

Internal Standards							
1) Fluorobenzene	6.341	96	43918	5.00	ug/L	0.00	
18) Chlorobenzene-d5	9.519	117	27972	5.00	ug/L	0.00	
System Monitoring Compounds							
13) 1,2-Dichloroethane-d4	6.045	65	19889	5.26	ug/L	0.00	
Spiked Amount	5.000	Range 74 - 125	Recovery	=	105.20%		
19) Toluene-d8	7.951	98	32745	5.30	ug/L	0.00	
Spiked Amount	5.000	Range 88 - 111	Recovery	=	106.00%		
Target Compounds							
3) Chloromethane	1.982	50	246	0.19	ug/L		98
5) Methylene Chloride	3.718	49	1086	0.53	ug/L		89
9) Chloroform	5.303	83	560m	0.34	ug/L		
10) Carbon Tetrachloride	5.466	117	1796	2.73	ug/L		97

(#) = qualifier out of range (m) = manual integration (+) = signals summed

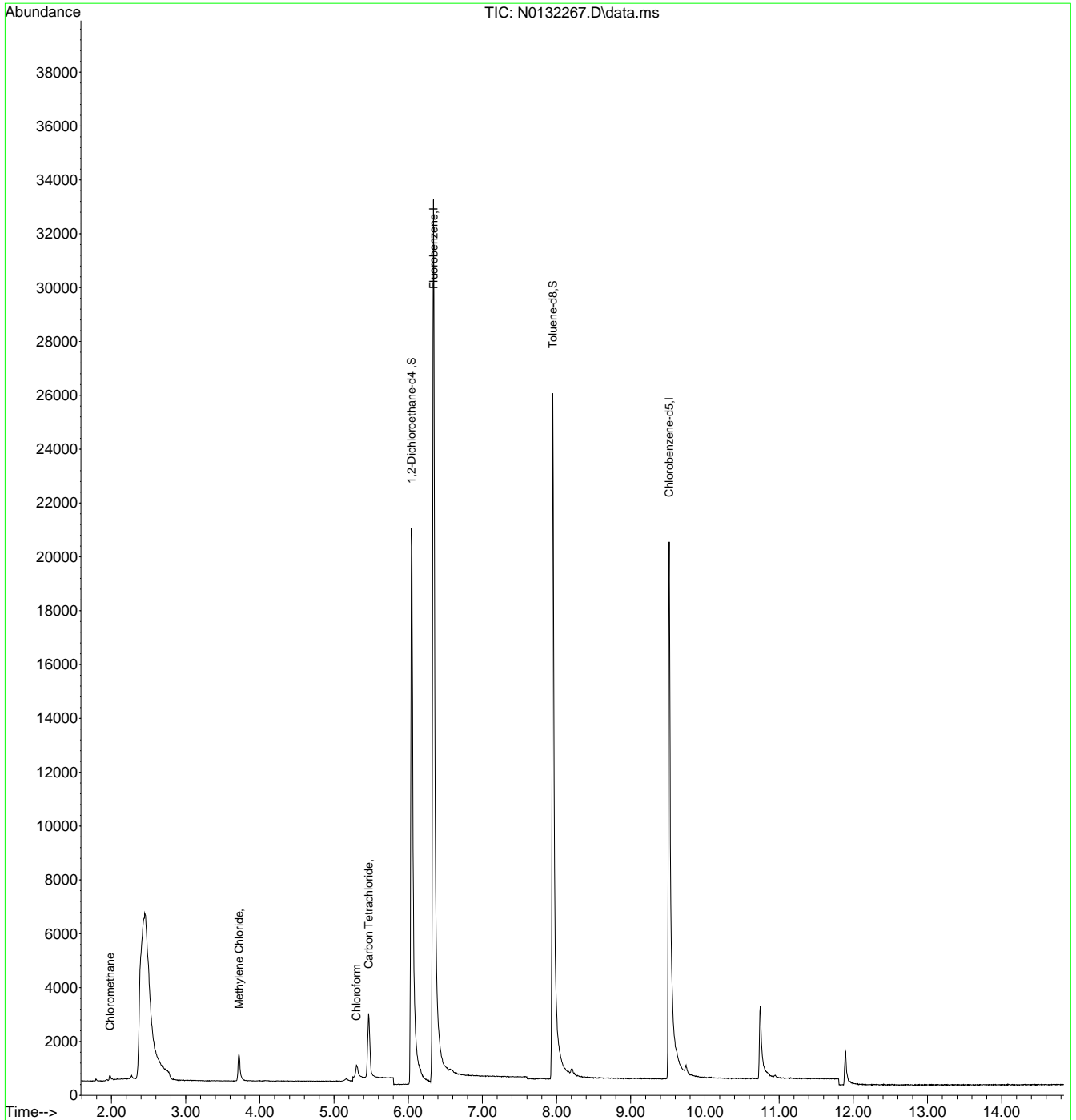
7.1.8
7

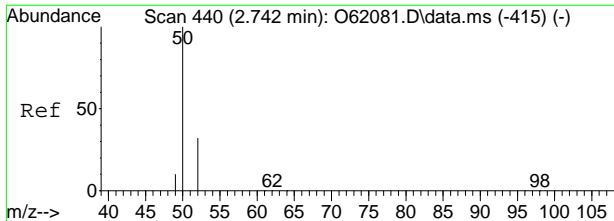


Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\08-26-24\
 Data File : N0132267.D
 Acq On : 26 Aug 2024 12:55 pm
 Operator : jeniferw
 Sample : FC18261-8
 Misc : MS57355,VN6708,,,,,
 ALS Vial : 17 Sample Multiplier: 1

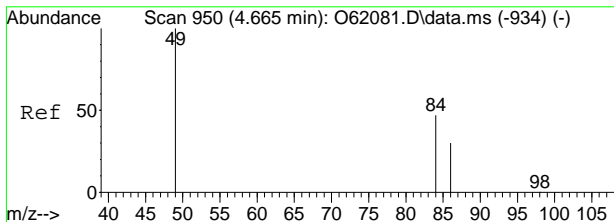
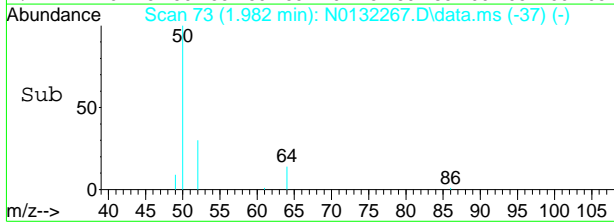
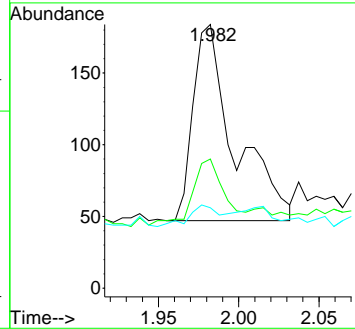
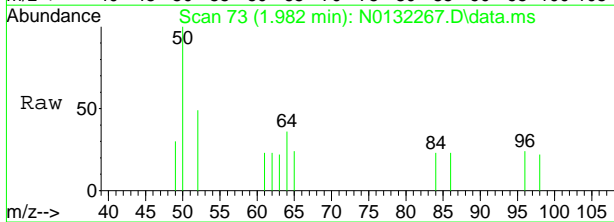
Quant Time: Aug 27 06:04:54 2024
 Quant Method : C:\msdchem\1\methods\SIMCL_VN6705_082024.M
 Quant Title : Standard Methods 6200B
 QLast Update : Tue Aug 20 14:01:28 2024
 Response via : Initial Calibration





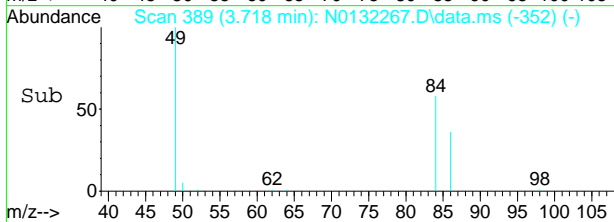
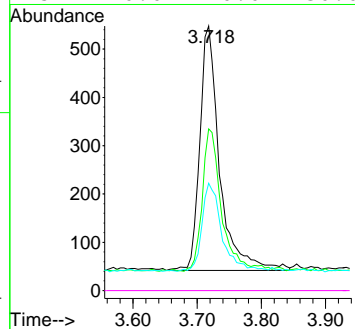
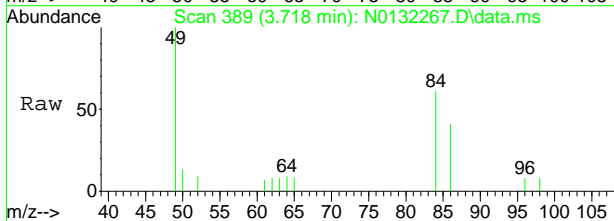
#3
 Chloromethane
 Concen: 0.19 ug/L
 RT: 1.982 min Scan# 73
 Delta R.T. 0.000 min
 Lab File: N0132267.D
 Acq: 26 Aug 2024 12:55 pm

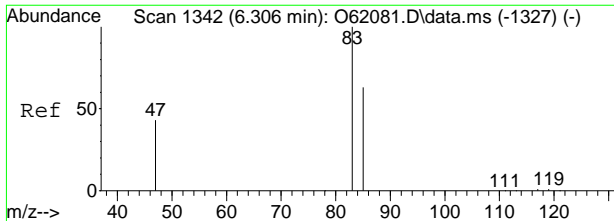
Tgt Ion	Resp	Lower	Upper
50	246		
52	31.4	2.1	62.1
49	8.0	0.0	39.6



#5
 Methylene Chloride
 Concen: 0.53 ug/L
 RT: 3.718 min Scan# 389
 Delta R.T. 0.006 min
 Lab File: N0132267.D
 Acq: 26 Aug 2024 12:55 pm

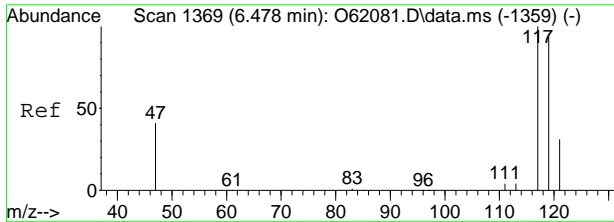
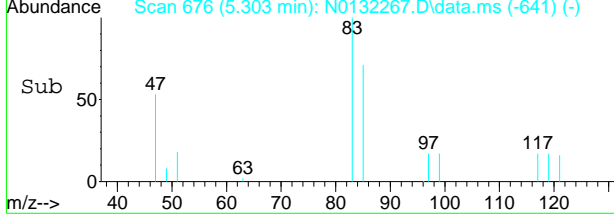
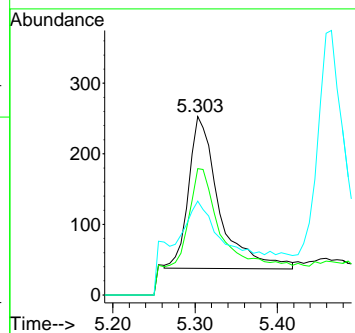
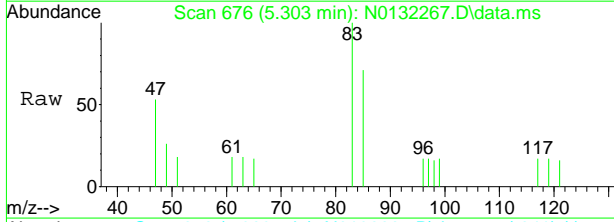
Tgt Ion	Resp	Lower	Upper
49	1086		
49	100		
84	57.9	20.0	80.0
86	35.8	0.4	60.4
51	0.0	0.0	30.0





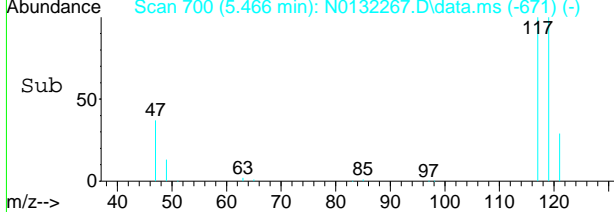
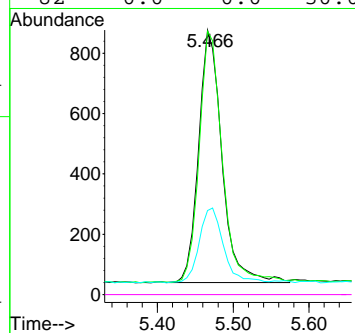
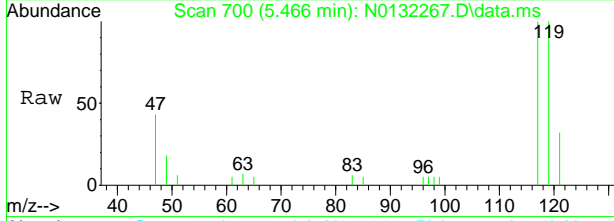
#9
Chloroform
Concen: 0.34 ug/L m
RT: 5.303 min Scan# 676
Delta R.T. 0.000 min
Lab File: N0132267.D
Acq: 26 Aug 2024 12:55 pm

Tgt Ion	Resp	Lower	Upper
83	100		
85	70.8	36.3	96.3
47	52.6	2.6	62.6



#10
Carbon Tetrachloride
Concen: 2.73 ug/L
RT: 5.466 min Scan# 700
Delta R.T. -0.000 min
Lab File: N0132267.D
Acq: 26 Aug 2024 12:55 pm

Tgt Ion	Resp	Lower	Upper
117	100		
119	99.4	67.0	127.0
121	28.6	0.5	60.5
82	0.0	0.0	30.0



Manual Integration Approval Summary

Sample Number: FC18261-8 **Method:** SW846 8260D BY SIM
Lab FileID: N0132267.D **Analyst approved:** 08/27/24 06:11 Jenifer Willis
Injection Time: 08/26/24 12:55 **Supervisor approved:** 08/27/24 07:34 Karen Watson

Parameter	CAS	Sig#	R.T. (min.)	Reason
Chloroform	67-66-3		5.30	Poorly defined baseline

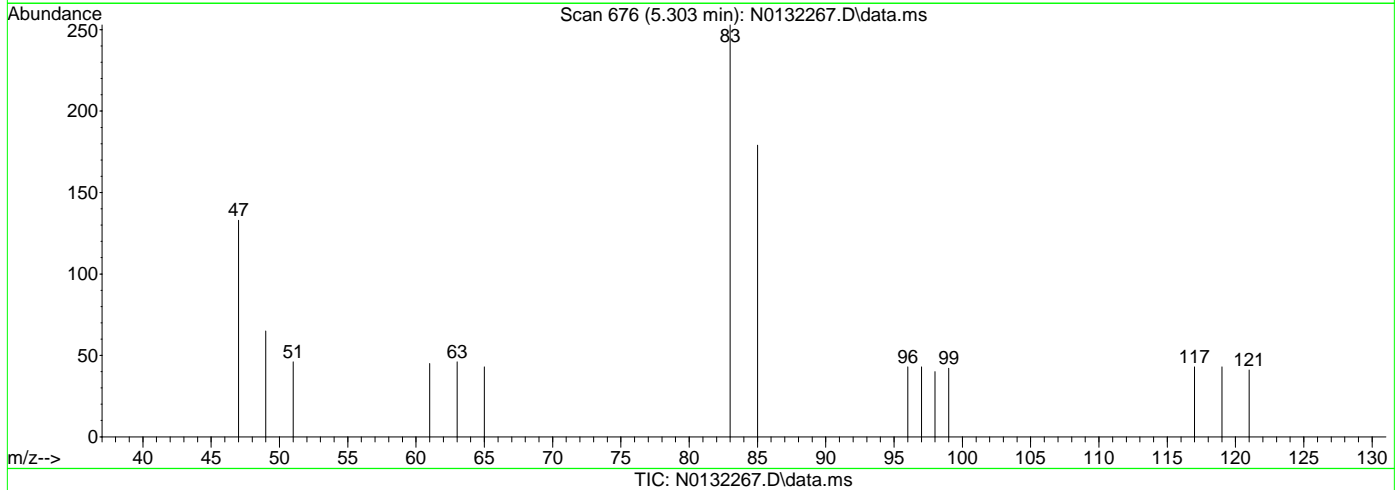
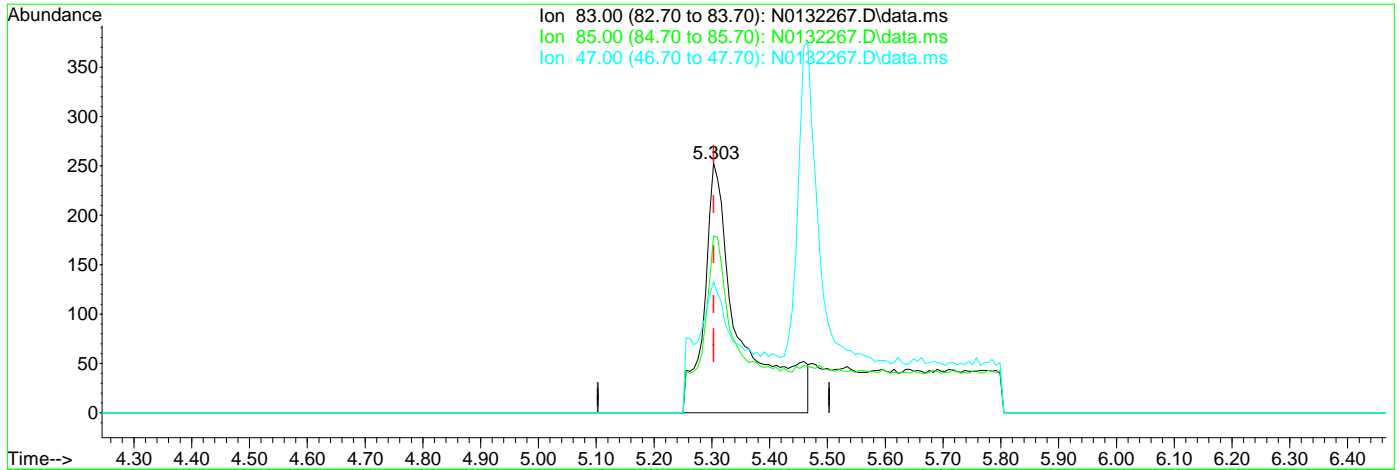
7.1.8.1

7

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\08-26-24\
 Data File : N0132267.D
 Acq On : 26 Aug 2024 12:55 pm
 Operator : jeniferw
 Sample : FC18261-8
 Misc : MS57355,VN6708,,,,,
 ALS Vial : 17 Sample Multiplier: 1

Quant Time: Aug 27 05:08:32 2024
 Quant Method : C:\msdchem\1\methods\SIMCL_VN6705_082024.M
 Quant Title : Standard Methods 6200B
 QLast Update : Tue Aug 20 14:01:28 2024
 Response via : Initial Calibration



(9) Chloroform

5.303min (+0.000) 0.65ug/L

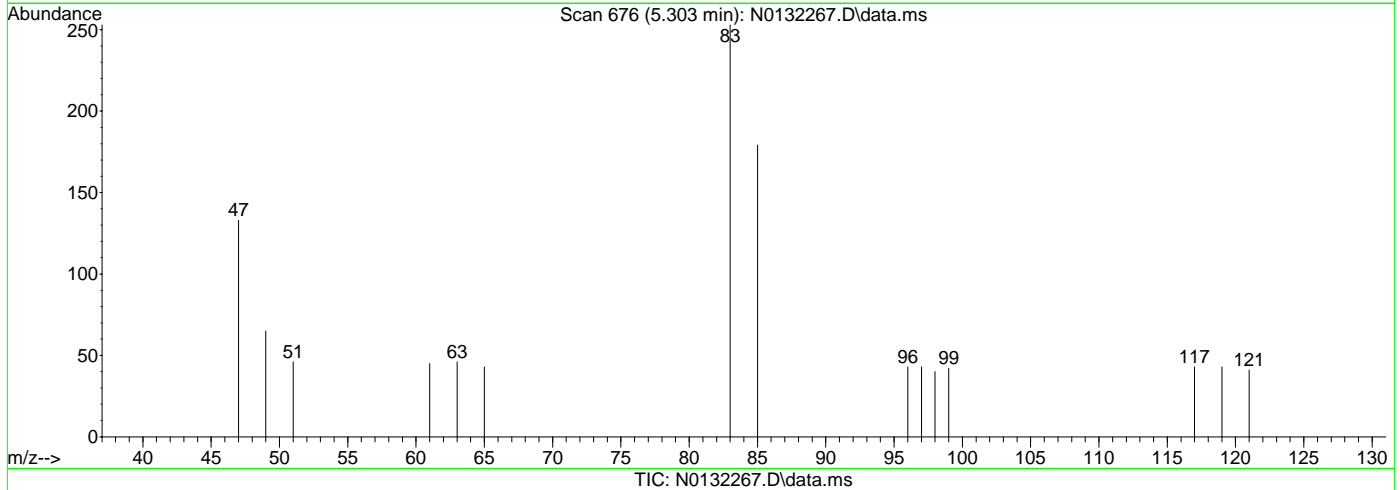
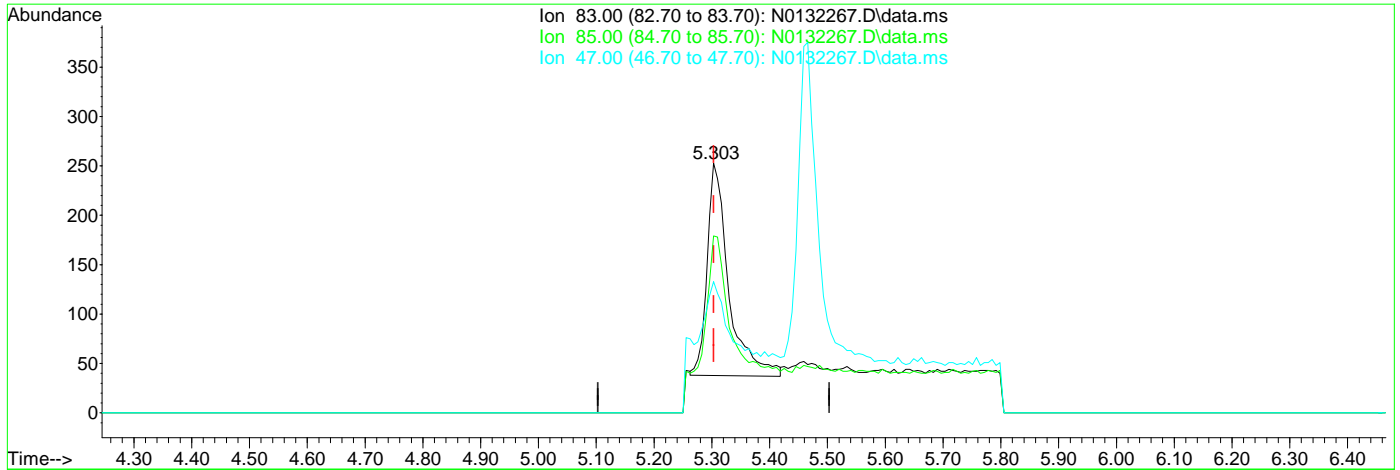
response 1071

Ion	Exp%	Act%
83.00	100	100
85.00	66.30	70.75
47.00	32.60	52.57
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\08-26-24\
 Data File : N0132267.D
 Acq On : 26 Aug 2024 12:55 pm
 Operator : jeniferw
 Sample : FC18261-8
 Misc : MS57355,VN6708,,,,,
 ALS Vial : 17 Sample Multiplier: 1

Quant Time: Aug 27 05:08:32 2024
 Quant Method : C:\msdchem\1\methods\SIMCL_VN6705_082024.M
 Quant Title : Standard Methods 6200B
 QLast Update : Tue Aug 20 14:01:28 2024
 Response via : Initial Calibration



(9) Chloroform

5.303min (+0.000) 0.34ug/L m

response 560

Ion	Exp%	Act%
83.00	100	100
85.00	66.30	70.75
47.00	32.60	52.57
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\08-26-24\
 Data File : N0132268.D
 Acq On : 26 Aug 2024 1:18 pm
 Operator : jeniferw
 Sample : FC18261-9
 Misc : MS57355,VN6708,,,,,
 ALS Vial : 18 Sample Multiplier: 1

Quant Time: Aug 27 06:05:16 2024
 Quant Method : C:\msdchem\1\methods\SIMCL_VN6705_082024.M
 Quant Title : Standard Methods 6200B
 QLast Update : Tue Aug 20 14:01:28 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Fluorobenzene	6.341	96	42576	5.00	ug/L	0.00
18) Chlorobenzene-d5	9.519	117	27769	5.00	ug/L	0.00
System Monitoring Compounds						
13) 1,2-Dichloroethane-d4	6.045	65	19647	5.36	ug/L	0.00
Spiked Amount	5.000	Range 74 - 125	Recovery	=	107.20%	
19) Toluene-d8	7.951	98	32061	5.23	ug/L	0.00
Spiked Amount	5.000	Range 88 - 111	Recovery	=	104.60%	
Target Compounds						
						Qvalue
3) Chloromethane	1.982	50	276	0.22	ug/L	87
5) Methylene Chloride	3.718	49	1031	0.52	ug/L	94
9) Chloroform	5.310	83	366m	0.23	ug/L	
10) Carbon Tetrachloride	5.473	117	282	0.44	ug/L	92

(#) = qualifier out of range (m) = manual integration (+) = signals summed

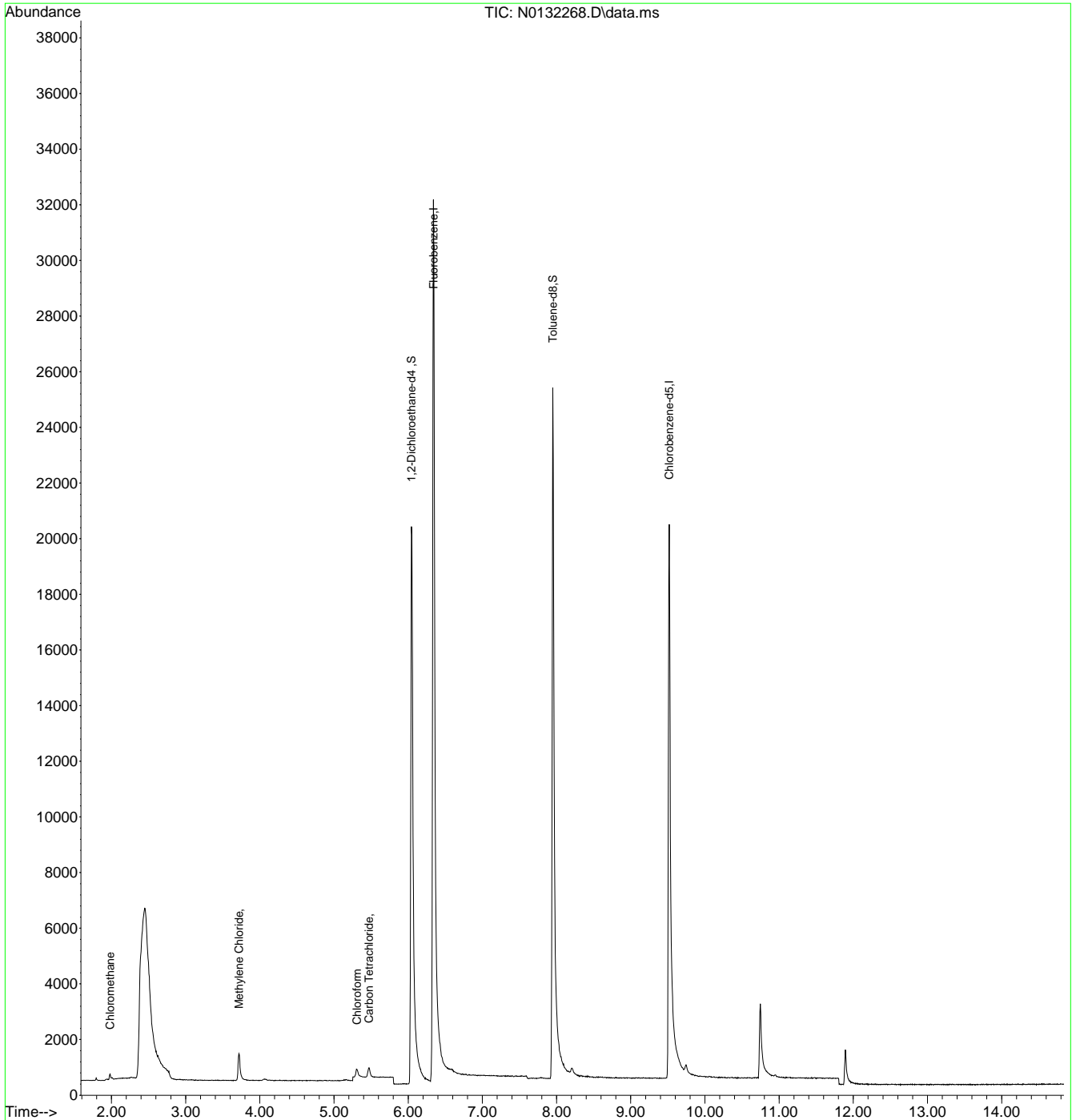
7.1.9
7



Quantitation Report (QT Reviewed)

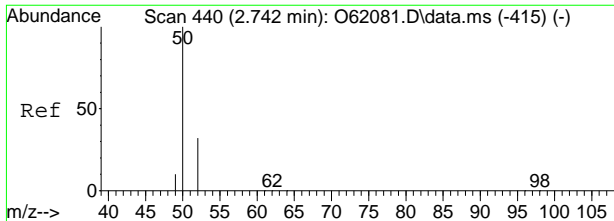
Data Path : C:\msdchem\1\data\08-26-24\
 Data File : N0132268.D
 Acq On : 26 Aug 2024 1:18 pm
 Operator : jeniferw
 Sample : FC18261-9
 Misc : MS57355,VN6708,,,,,
 ALS Vial : 18 Sample Multiplier: 1

Quant Time: Aug 27 06:05:16 2024
 Quant Method : C:\msdchem\1\methods\SIMCL_VN6705_082024.M
 Quant Title : Standard Methods 6200B
 QLast Update : Tue Aug 20 14:01:28 2024
 Response via : Initial Calibration

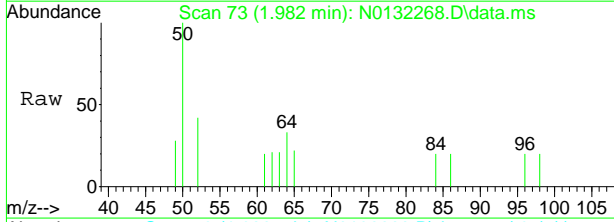


7.1.9
7



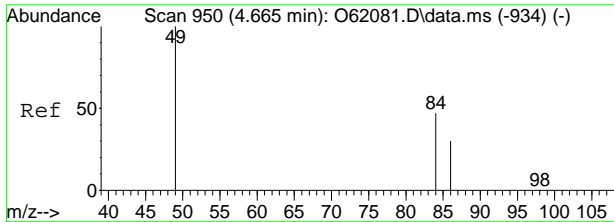
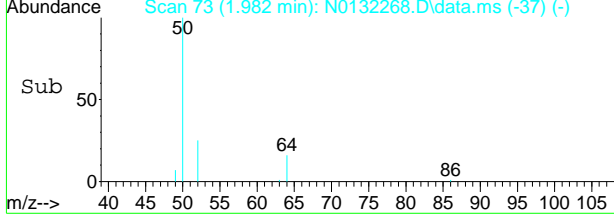
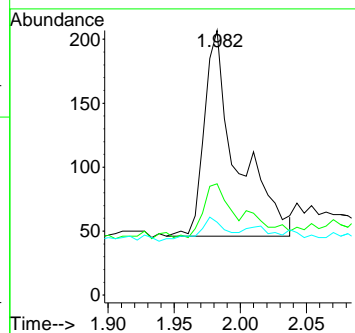


#3
 Chloromethane
 Concen: 0.22 ug/L
 RT: 1.982 min Scan# 73
 Delta R.T. 0.000 min
 Lab File: N0132268.D
 Acq: 26 Aug 2024 1:18 pm

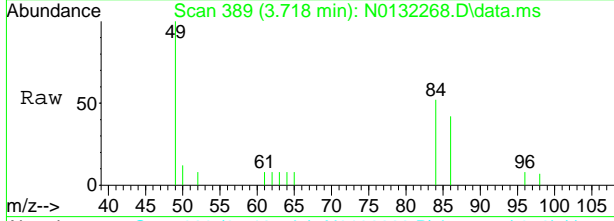


Tgt Ion: 50 Resp: 276

Ion	Ratio	Lower	Upper
50	100		
52	23.6	2.1	62.1
49	8.1	0.0	39.6

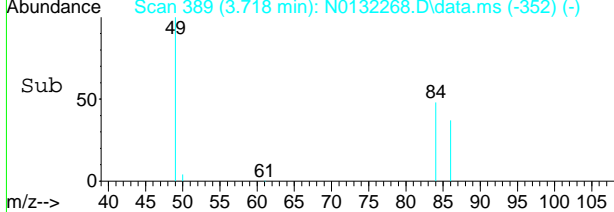
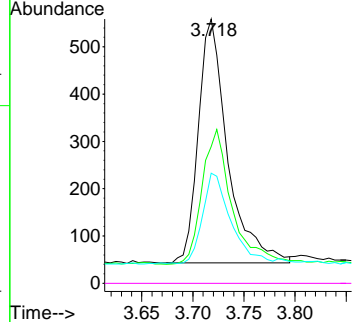


#5
 Methylene Chloride
 Concen: 0.52 ug/L
 RT: 3.718 min Scan# 389
 Delta R.T. 0.006 min
 Lab File: N0132268.D
 Acq: 26 Aug 2024 1:18 pm

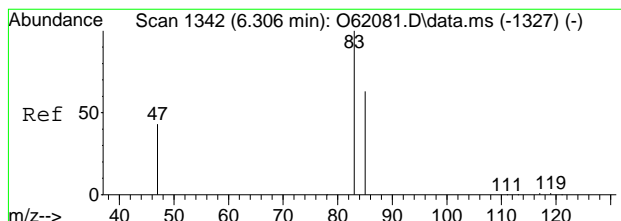


Tgt Ion: 49 Resp: 1031

Ion	Ratio	Lower	Upper
49	100		
84	48.3	20.0	80.0
86	37.0	0.4	60.4
51	0.0	0.0	30.0

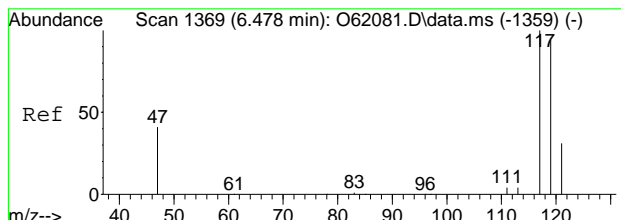
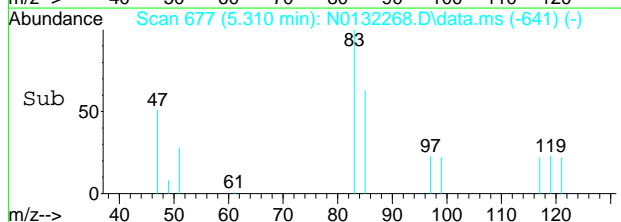
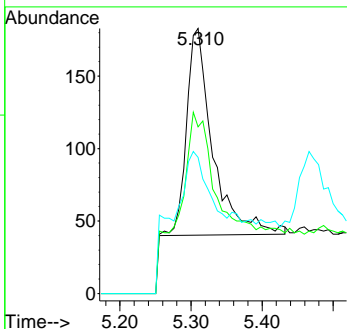
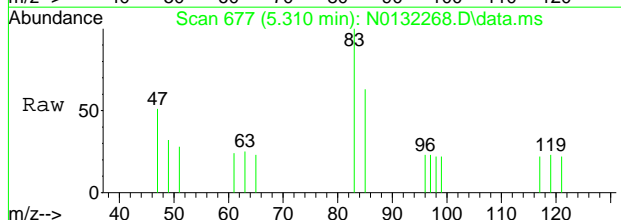


7.19
7



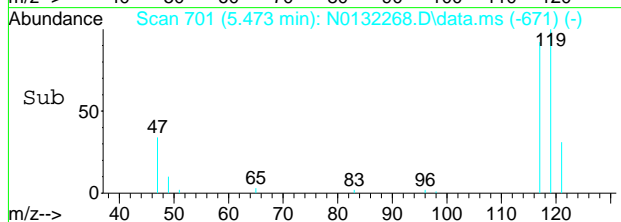
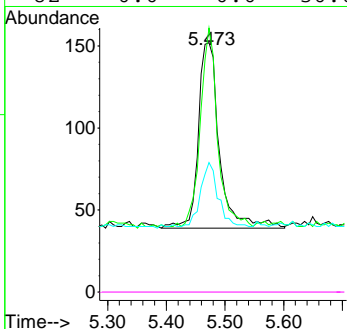
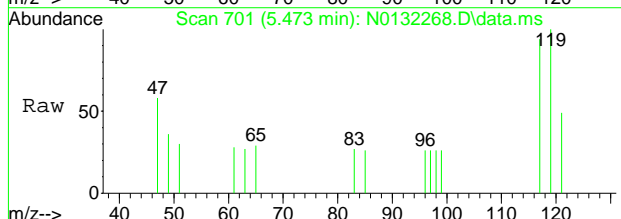
#9
Chloroform
Concen: 0.23 ug/L m
RT: 5.310 min Scan# 677
Delta R.T. 0.007 min
Lab File: N0132268.D
Acq: 26 Aug 2024 1:18 pm

Tgt Ion	Resp	Lower	Upper
83	366		
85	62.8	36.3	96.3
47	51.4	2.6	62.6



#10
Carbon Tetrachloride
Concen: 0.44 ug/L
RT: 5.473 min Scan# 701
Delta R.T. 0.007 min
Lab File: N0132268.D
Acq: 26 Aug 2024 1:18 pm

Tgt Ion	Resp	Lower	Upper
117	282		
119	106.2	67.0	127.0
121	33.6	0.5	60.5
82	0.0	0.0	30.0



Manual Integration Approval Summary

Sample Number: FC18261-9 **Method:** SW846 8260D BY SIM
Lab FileID: N0132268.D **Analyst approved:** 08/27/24 06:11 Jenifer Willis
Injection Time: 08/26/24 13:18 **Supervisor approved:** 08/27/24 07:34 Karen Watson

Parameter	CAS	Sig#	R.T. (min.)	Reason
Chloroform	67-66-3		5.31	Poorly defined baseline

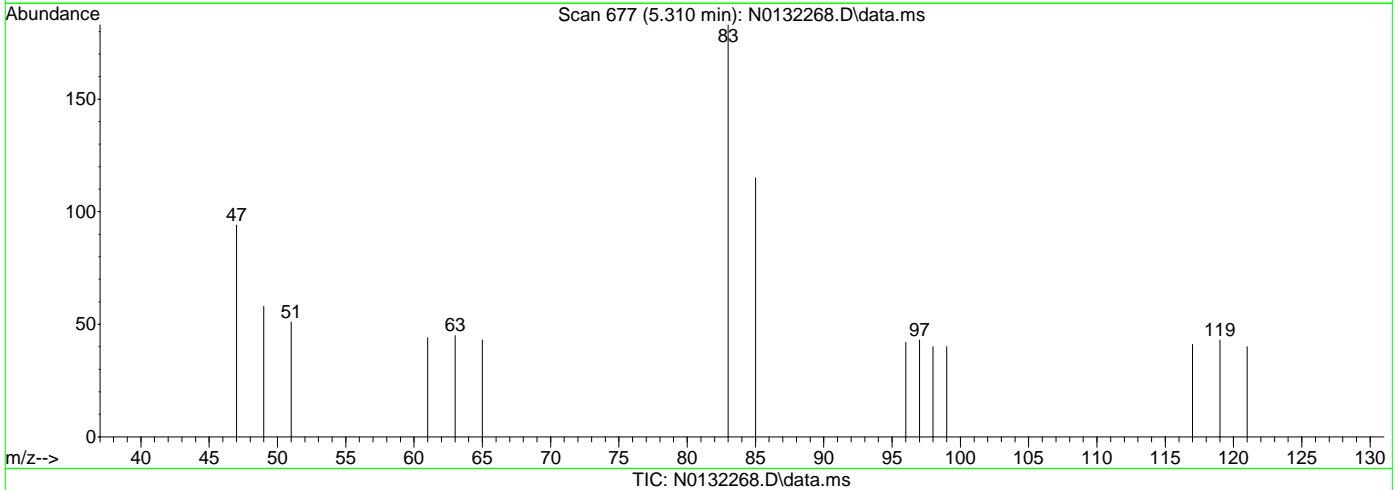
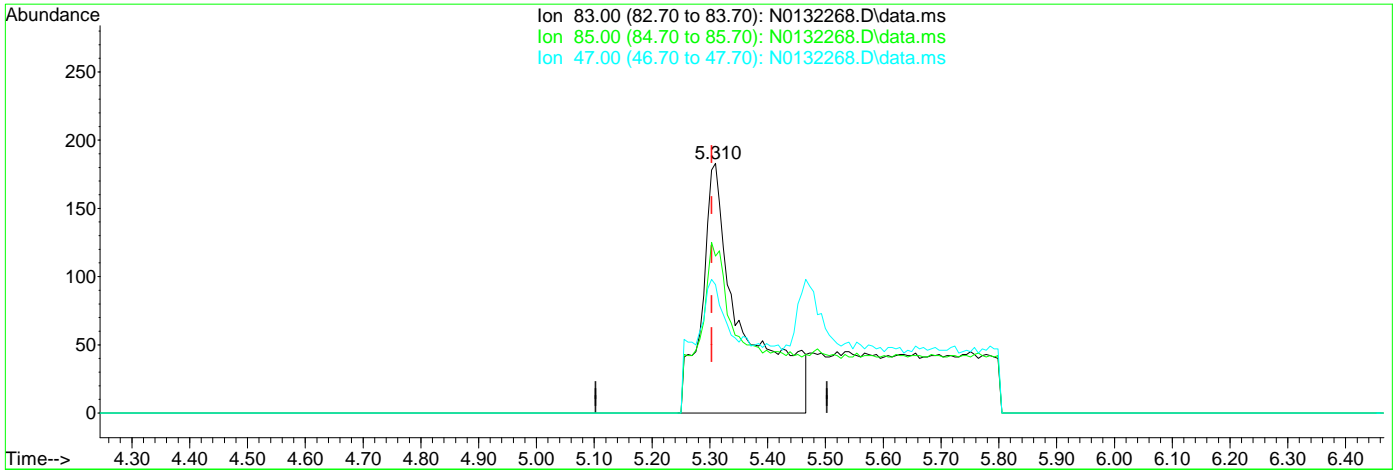
7.1.9.1

7

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\08-26-24\
 Data File : N0132268.D
 Acq On : 26 Aug 2024 1:18 pm
 Operator : jeniferw
 Sample : FC18261-9
 Misc : MS57355,VN6708,,,,,
 ALS Vial : 18 Sample Multiplier: 1

Quant Time: Aug 27 05:08:34 2024
 Quant Method : C:\msdchem\1\methods\SIMCL_VN6705_082024.M
 Quant Title : Standard Methods 6200B
 QLast Update : Tue Aug 20 14:01:28 2024
 Response via : Initial Calibration



(9) Chloroform

5.310min (+0.007) 0.56ug/L

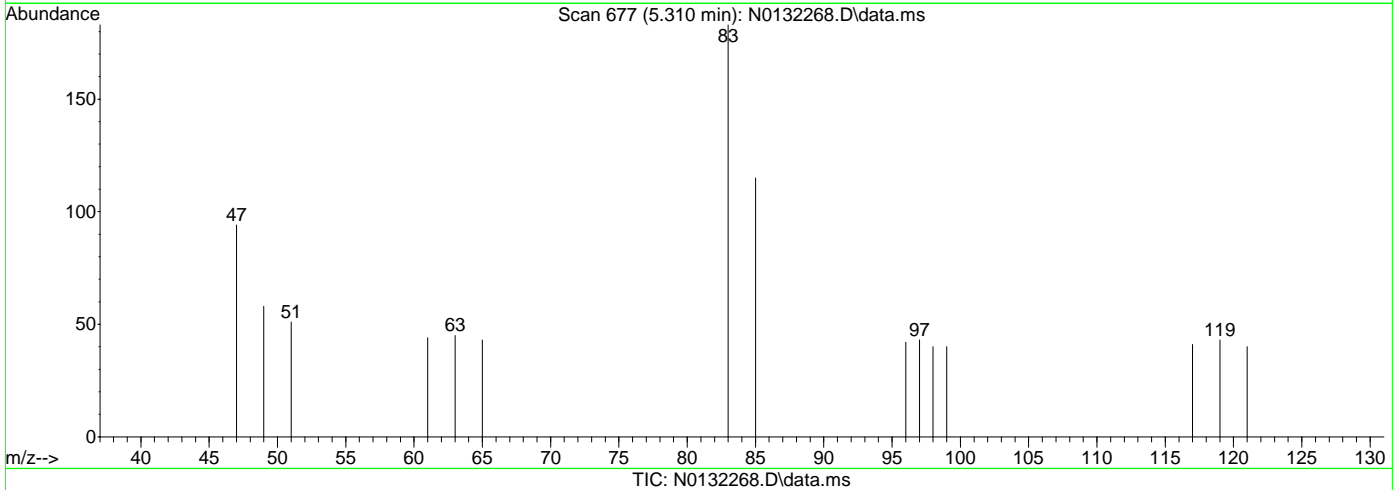
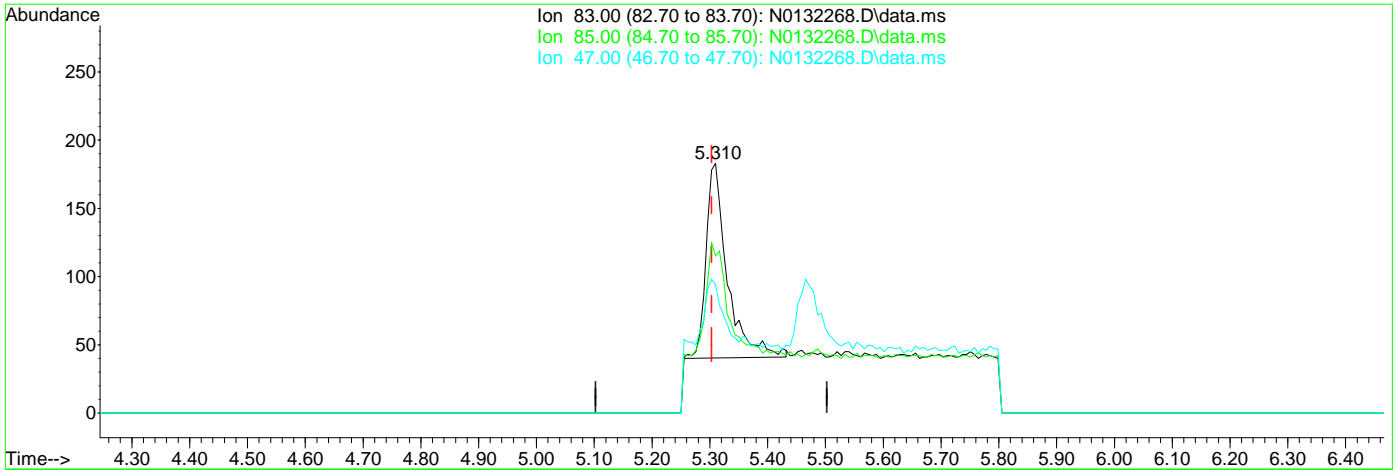
response 890

Ion	Exp%	Act%
83.00	100	100
85.00	66.30	62.84
47.00	32.60	51.37
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\08-26-24\
 Data File : N0132268.D
 Acq On : 26 Aug 2024 1:18 pm
 Operator : jeniferw
 Sample : FC18261-9
 Misc : MS57355,VN6708,,,,,
 ALS Vial : 18 Sample Multiplier: 1

Quant Time: Aug 27 05:08:34 2024
 Quant Method : C:\msdchem\1\methods\SIMCL_VN6705_082024.M
 Quant Title : Standard Methods 6200B
 QLast Update : Tue Aug 20 14:01:28 2024
 Response via : Initial Calibration



(9) Chloroform
 5.310min (+0.007) 0.23ug/L m

response 366

Ion	Exp%	Act%
83.00	100	100
85.00	66.30	62.84
47.00	32.60	51.37
0.00	0.00	0.00

7.1.9.3
7

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\08-26-24\
 Data File : N0132269.D
 Acq On : 26 Aug 2024 1:42 pm
 Operator : jeniferw
 Sample : FC18261-10
 Misc : MS57355,VN6708,,,,,
 ALS Vial : 19 Sample Multiplier: 1

Quant Time: Aug 27 06:05:54 2024
 Quant Method : C:\msdchem\1\methods\SIMCL_VN6705_082024.M
 Quant Title : Standard Methods 6200B
 QLast Update : Tue Aug 20 14:01:28 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	Qvalue

Internal Standards							
1) Fluorobenzene	6.341	96	41627	5.00	ug/L	0.00	
18) Chlorobenzene-d5	9.519	117	26684	5.00	ug/L	0.00	
System Monitoring Compounds							
13) 1,2-Dichloroethane-d4	6.045	65	19231	5.37	ug/L	0.00	
Spiked Amount	5.000	Range 74 - 125	Recovery	=	107.40%		
19) Toluene-d8	7.951	98	31209	5.30	ug/L	0.00	
Spiked Amount	5.000	Range 88 - 111	Recovery	=	106.00%		
Target Compounds							
3) Chloromethane	1.982	50	314	0.26	ug/L	92	
5) Methylene Chloride	3.718	49	1048	0.54	ug/L	93	

(#) = qualifier out of range (m) = manual integration (+) = signals summed

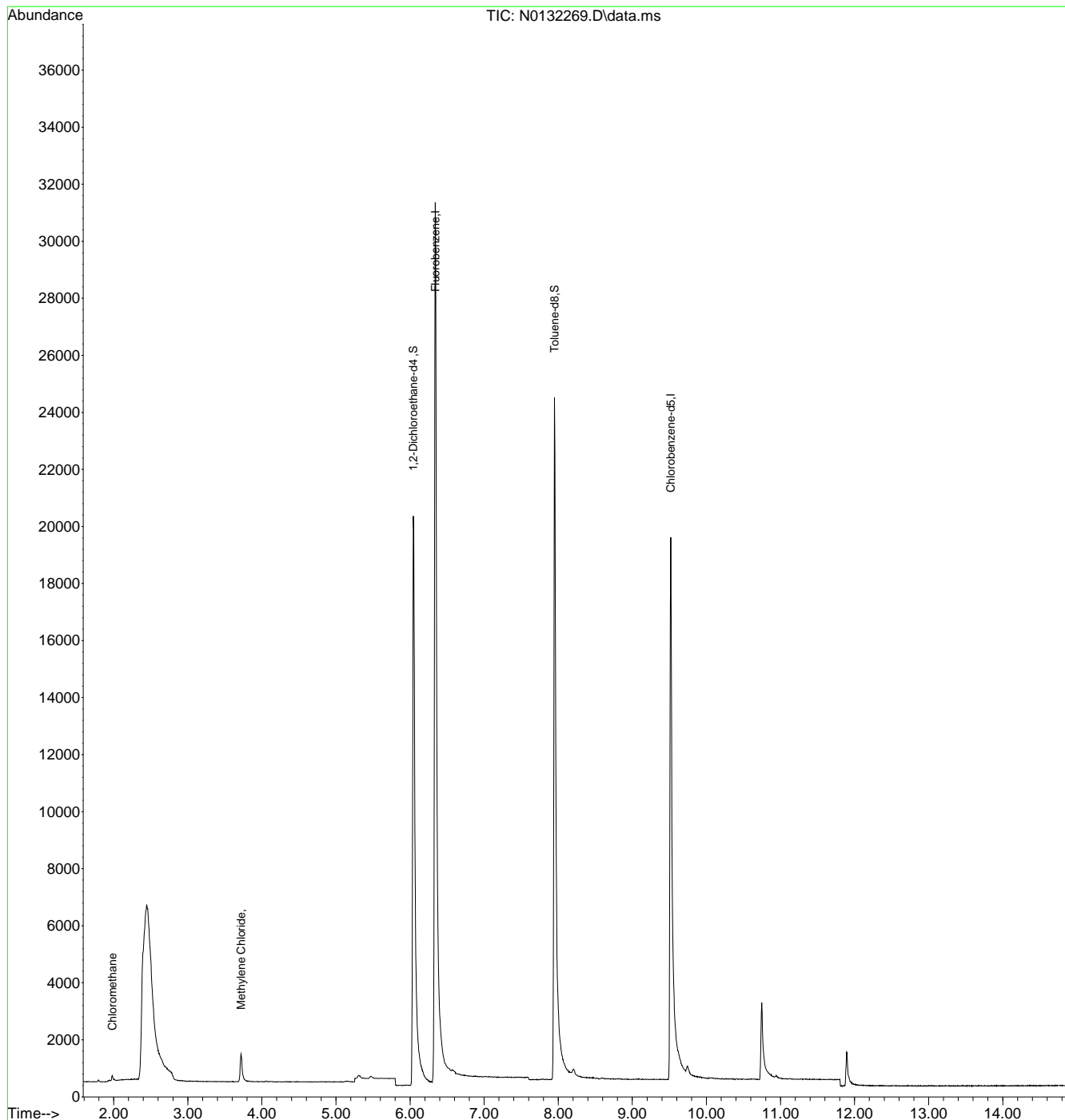
7.1.10
7



Quantitation Report (QT Reviewed)

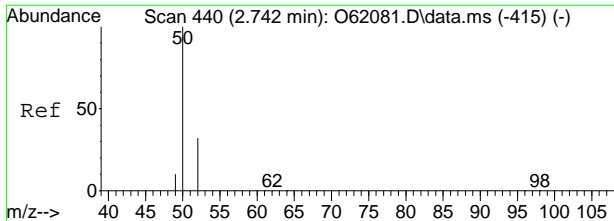
Data Path : C:\msdchem\1\data\08-26-24\
Data File : N0132269.D
Acq On : 26 Aug 2024 1:42 pm
Operator : jeniferw
Sample : FC18261-10
Misc : MS57355,VN6708,,,,,
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Aug 27 06:05:54 2024
Quant Method : C:\msdchem\1\methods\SIMCL_VN6705_082024.M
Quant Title : Standard Methods 6200B
QLast Update : Tue Aug 20 14:01:28 2024
Response via : Initial Calibration



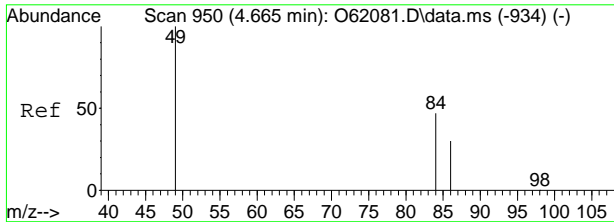
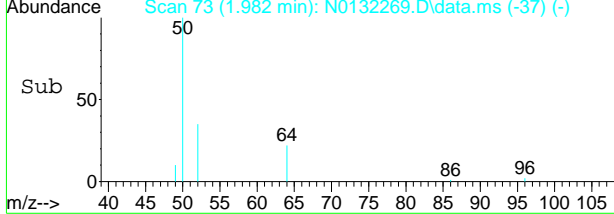
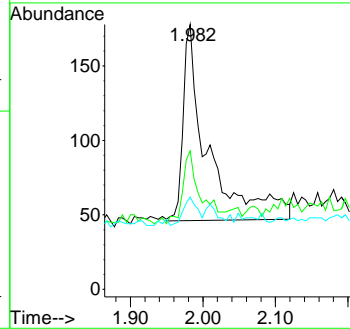
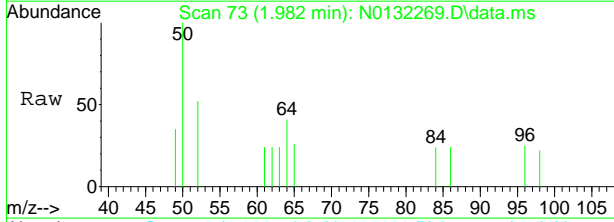
7.1.10
7





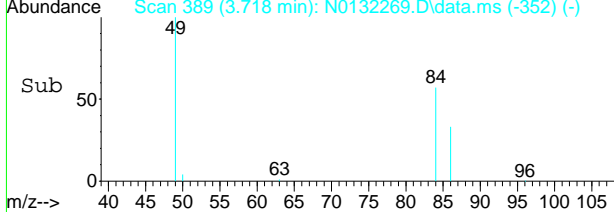
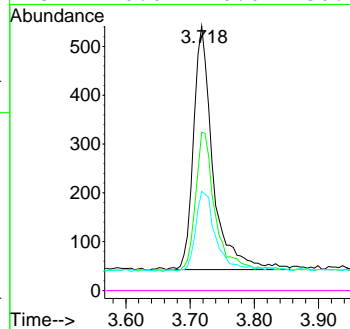
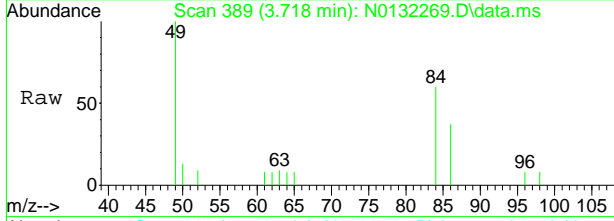
#3
 Chloromethane
 Concen: 0.26 ug/L
 RT: 1.982 min Scan# 73
 Delta R.T. 0.000 min
 Lab File: N0132269.D
 Acq: 26 Aug 2024 1:42 pm

Tgt Ion	Ratio	Lower	Upper
50	100		
52	37.4	2.1	62.1
49	11.5	0.0	39.6



#5
 Methylene Chloride
 Concen: 0.54 ug/L
 RT: 3.718 min Scan# 389
 Delta R.T. 0.006 min
 Lab File: N0132269.D
 Acq: 26 Aug 2024 1:42 pm

Tgt Ion	Ratio	Lower	Upper
49	100		
84	56.5	20.0	80.0
86	32.5	0.4	60.4
51	0.0	0.0	30.0



7.1.10
7

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\08-26-24\
 Data File : N0132270.D
 Acq On : 26 Aug 2024 2:05 pm
 Operator : jeniferw
 Sample : FC18261-11
 Misc : MS57355,VN6708,,,,,
 ALS Vial : 20 Sample Multiplier: 1

Quant Time: Aug 27 06:06:11 2024
 Quant Method : C:\msdchem\1\methods\SIMCL_VN6705_082024.M
 Quant Title : Standard Methods 6200B
 QLast Update : Tue Aug 20 14:01:28 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Fluorobenzene	6.341	96	42106	5.00	ug/L	0.00
18) Chlorobenzene-d5	9.519	117	27275	5.00	ug/L	0.00
System Monitoring Compounds						
13) 1,2-Dichloroethane-d4	6.045	65	19623	5.42	ug/L	0.00
Spiked Amount	5.000	Range 74 - 125	Recovery	=	108.40%	
19) Toluene-d8	7.950	98	31649	5.26	ug/L	0.00
Spiked Amount	5.000	Range 88 - 111	Recovery	=	105.20%	
Target Compounds						
3) Chloromethane	1.982	50	393	0.32	ug/L	96
5) Methylene Chloride	3.718	49	1052	0.53	ug/L	92

(#) = qualifier out of range (m) = manual integration (+) = signals summed

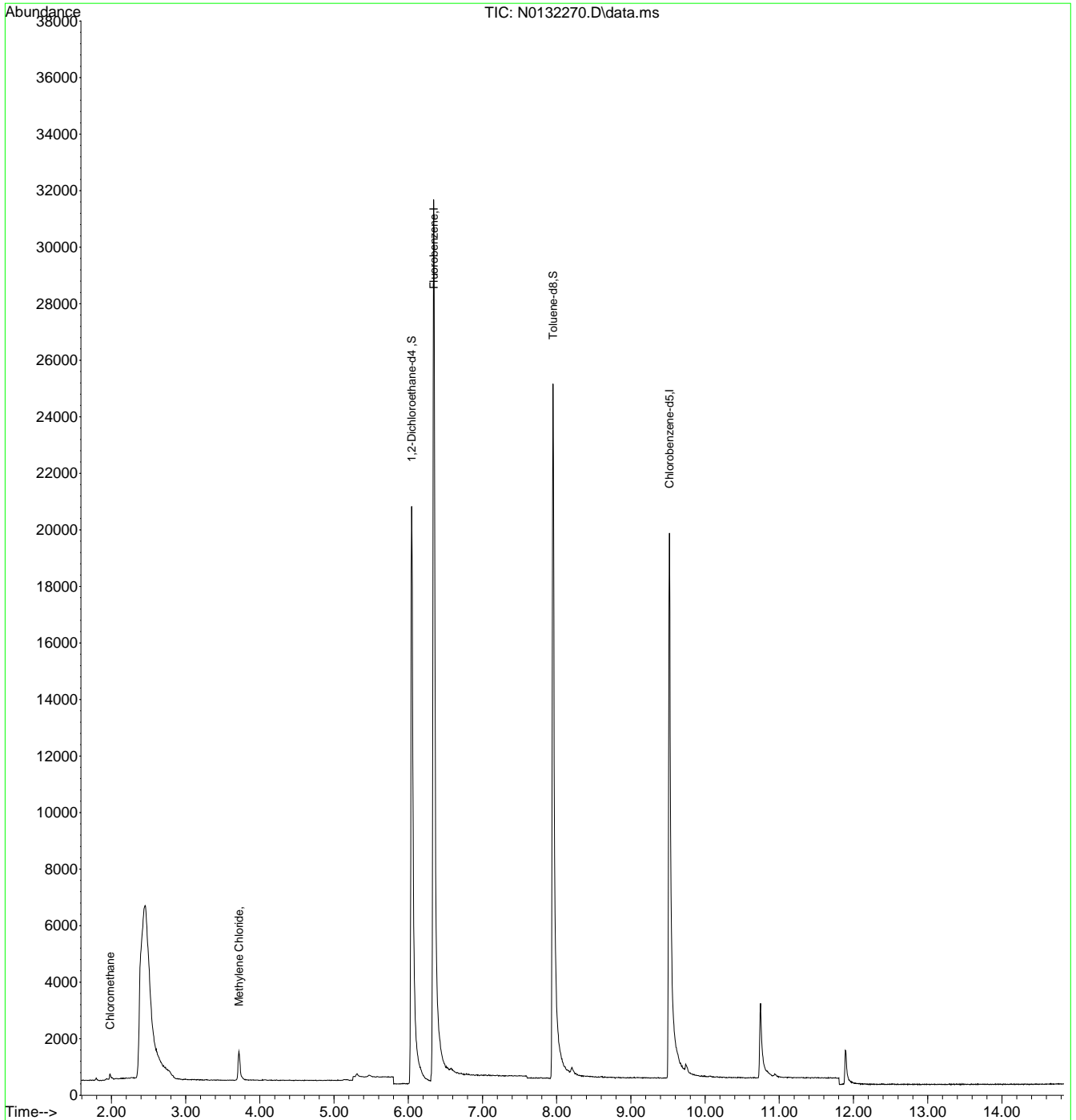
7.1.11
7



Quantitation Report (QT Reviewed)

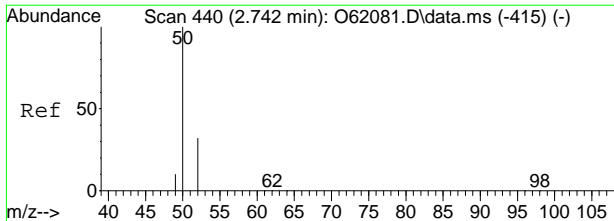
Data Path : C:\msdchem\1\data\08-26-24\
Data File : N0132270.D
Acq On : 26 Aug 2024 2:05 pm
Operator : jeniferw
Sample : FC18261-11
Misc : MS57355,VN6708,,,,,
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Aug 27 06:06:11 2024
Quant Method : C:\msdchem\1\methods\SIMCL_VN6705_082024.M
Quant Title : Standard Methods 6200B
QLast Update : Tue Aug 20 14:01:28 2024
Response via : Initial Calibration



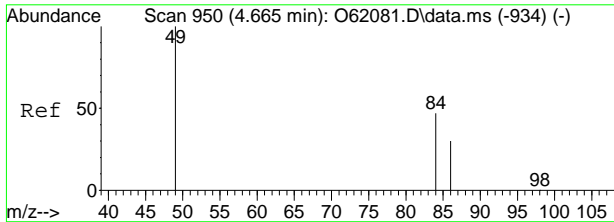
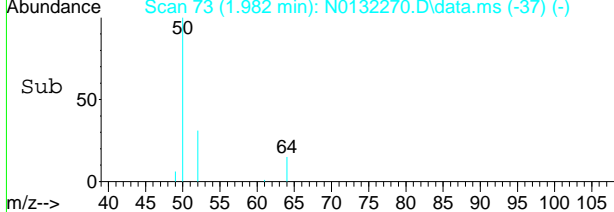
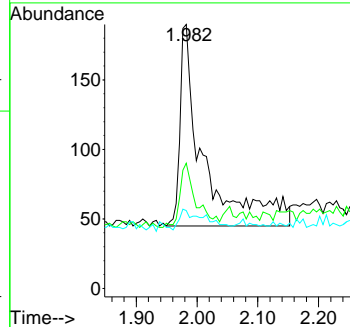
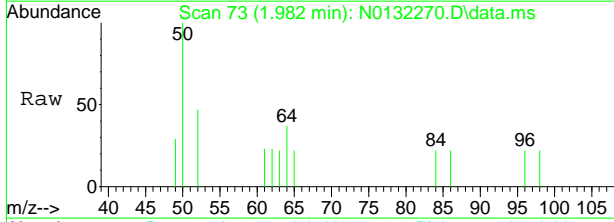
7.1.11
7





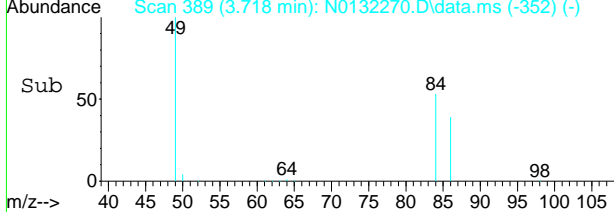
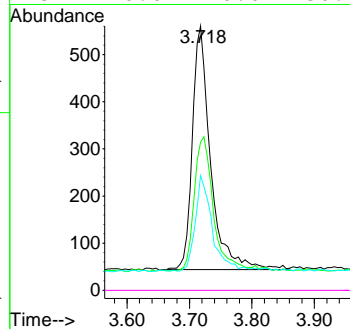
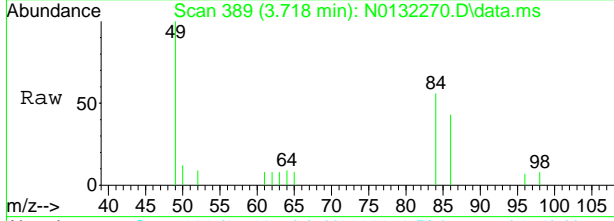
#3
 Chloromethane
 Concen: 0.32 ug/L
 RT: 1.982 min Scan# 73
 Delta R.T. 0.000 min
 Lab File: N0132270.D
 Acq: 26 Aug 2024 2:05 pm

Tgt Ion	Ratio	Lower	Upper
50	100		
52	29.7	2.1	62.1
49	8.3	0.0	39.6



#5
 Methylene Chloride
 Concen: 0.53 ug/L
 RT: 3.718 min Scan# 389
 Delta R.T. 0.006 min
 Lab File: N0132270.D
 Acq: 26 Aug 2024 2:05 pm

Tgt Ion	Ratio	Lower	Upper
49	100		
84	52.6	20.0	80.0
86	39.1	0.4	60.4
51	0.0	0.0	30.0



7.1.11
7

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\08-26-24\
 Data File : N0132271.D
 Acq On : 26 Aug 2024 2:29 pm
 Operator : jeniferw
 Sample : FC18261-12
 Misc : MS57355,VN6708,,,,,
 ALS Vial : 21 Sample Multiplier: 1

Quant Time: Aug 27 06:06:21 2024
 Quant Method : C:\msdchem\1\methods\SIMCL_VN6705_082024.M
 Quant Title : Standard Methods 6200B
 QLast Update : Tue Aug 20 14:01:28 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Fluorobenzene	6.341	96	41092	5.00	ug/L	0.00
18) Chlorobenzene-d5	9.519	117	26596	5.00	ug/L	0.00
System Monitoring Compounds						
13) 1,2-Dichloroethane-d4	6.045	65	19327	5.47	ug/L	0.00
Spiked Amount	5.000	Range 74 - 125	Recovery	=	109.40%	
19) Toluene-d8	7.951	98	30638	5.22	ug/L	0.00
Spiked Amount	5.000	Range 88 - 111	Recovery	=	104.40%	
Target Compounds						
3) Chloromethane	1.977	50	261	0.21	ug/L	96
5) Methylene Chloride	3.718	49	1017	0.53	ug/L	91

(#) = qualifier out of range (m) = manual integration (+) = signals summed

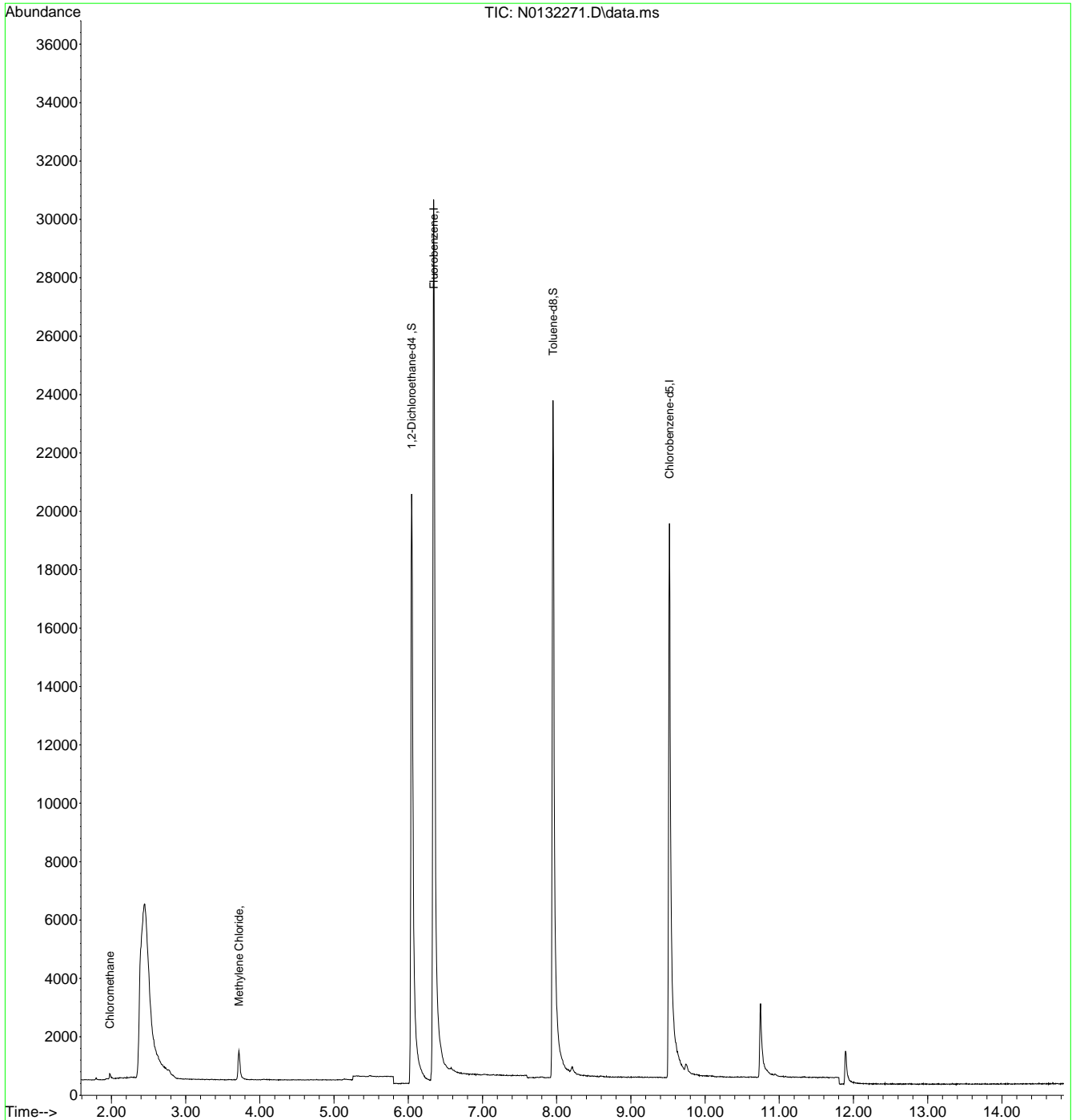
7.1.12
7



Quantitation Report (QT Reviewed)

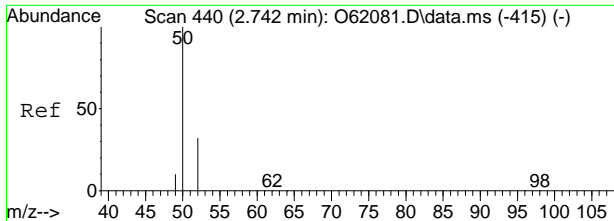
Data Path : C:\msdchem\1\data\08-26-24\
 Data File : N0132271.D
 Acq On : 26 Aug 2024 2:29 pm
 Operator : jeniferw
 Sample : FC18261-12
 Misc : MS57355,VN6708,,,,,
 ALS Vial : 21 Sample Multiplier: 1

Quant Time: Aug 27 06:06:21 2024
 Quant Method : C:\msdchem\1\methods\SIMCL_VN6705_082024.M
 Quant Title : Standard Methods 6200B
 QLast Update : Tue Aug 20 14:01:28 2024
 Response via : Initial Calibration



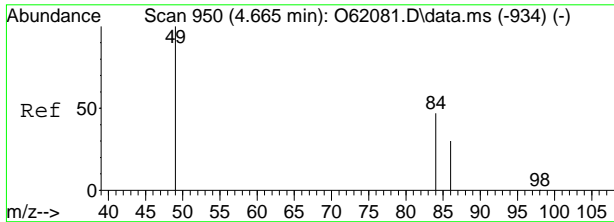
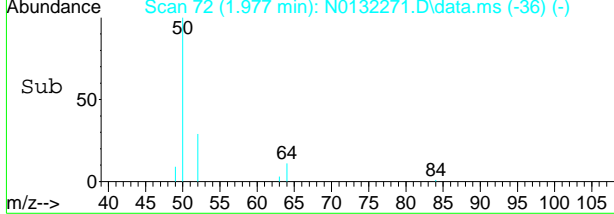
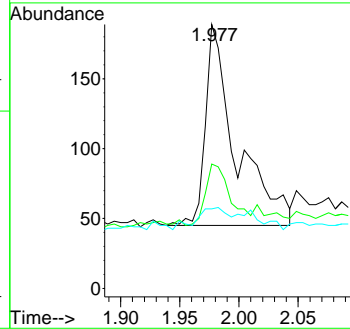
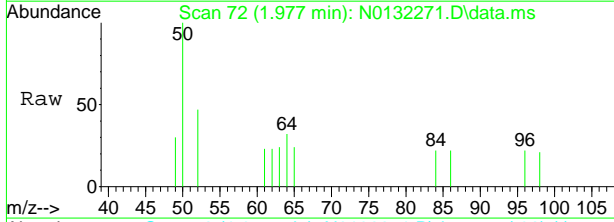
7.1.12
7





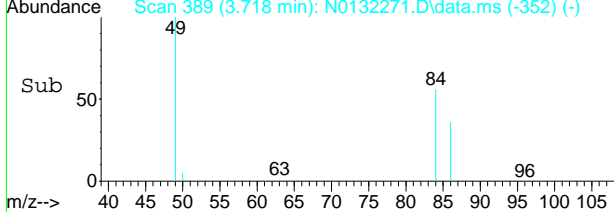
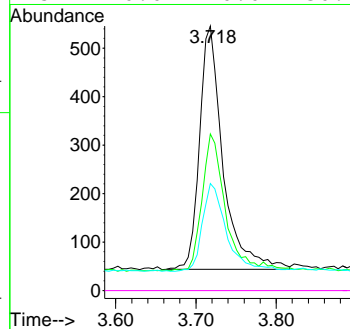
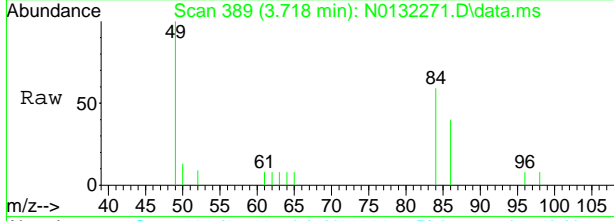
#3
 Chloromethane
 Concen: 0.21 ug/L
 RT: 1.977 min Scan# 72
 Delta R.T. -0.005 min
 Lab File: N0132271.D
 Acq: 26 Aug 2024 2:29 pm

Tgt Ion	Ratio	Lower	Upper
50	100		
52	29.9	2.1	62.1
49	8.3	0.0	39.6



#5
 Methylene Chloride
 Concen: 0.53 ug/L
 RT: 3.718 min Scan# 389
 Delta R.T. 0.006 min
 Lab File: N0132271.D
 Acq: 26 Aug 2024 2:29 pm

Tgt Ion	Ratio	Lower	Upper
49	100		
84	56.0	20.0	80.0
86	35.9	0.4	60.4
51	0.0	0.0	30.0



7.1.12
7

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\08-26-24\
 Data File : N0132272.D
 Acq On : 26 Aug 2024 2:52 pm
 Operator : jeniferw
 Sample : FC18261-13
 Misc : MS57355,VN6708,,,,,
 ALS Vial : 22 Sample Multiplier: 1

Quant Time: Aug 27 06:06:39 2024
 Quant Method : C:\msdchem\1\methods\SIMCL_VN6705_082024.M
 Quant Title : Standard Methods 6200B
 QLast Update : Tue Aug 20 14:01:28 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	

Internal Standards							
1) Fluorobenzene	6.341	96	40189	5.00	ug/L	0.00	
18) Chlorobenzene-d5	9.519	117	25957	5.00	ug/L	0.00	
System Monitoring Compounds							
13) 1,2-Dichloroethane-d4	6.045	65	19018	5.50	ug/L	0.00	
Spiked Amount	5.000	Range 74 - 125	Recovery	=	110.00%		
19) Toluene-d8	7.951	98	29866	5.21	ug/L	0.00	
Spiked Amount	5.000	Range 88 - 111	Recovery	=	104.20%		
Target Compounds							
							Qvalue
3) Chloromethane	1.977	50	305	0.26	ug/L		96
5) Methylene Chloride	3.718	49	981	0.52	ug/L		93
9) Chloroform	5.310	83	239m	0.16	ug/L		
10) Carbon Tetrachloride	5.466	117	207	0.34	ug/L		91

(#) = qualifier out of range (m) = manual integration (+) = signals summed

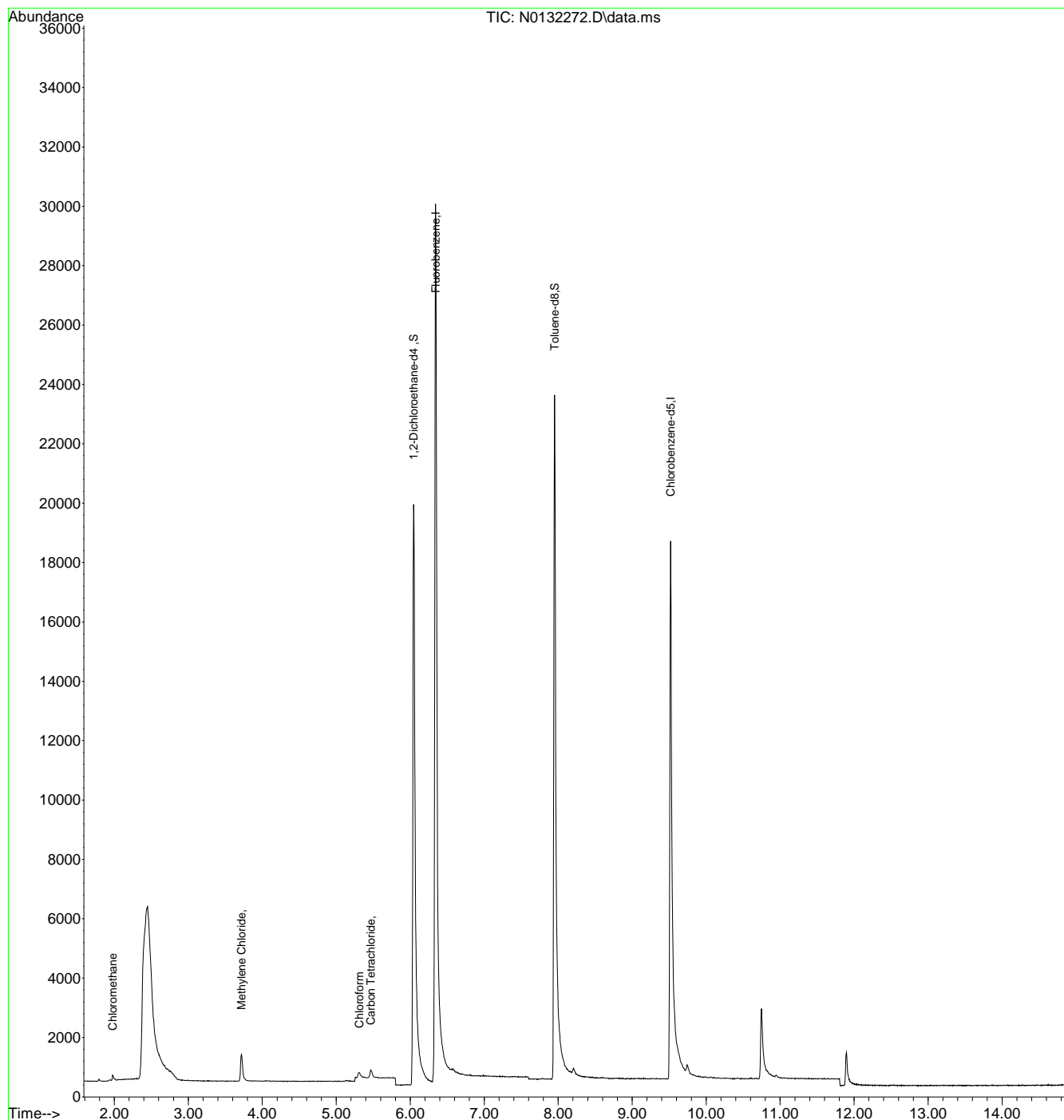
7.1.13
7



Quantitation Report (QT Reviewed)

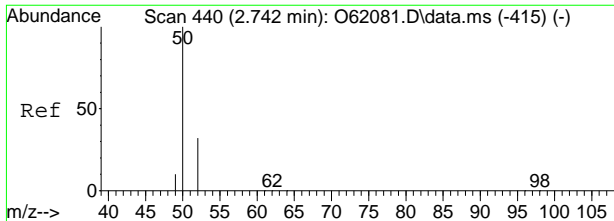
Data Path : C:\msdchem\1\data\08-26-24\
Data File : N0132272.D
Acq On : 26 Aug 2024 2:52 pm
Operator : jeniferw
Sample : FC18261-13
Misc : MS57355,VN6708,,,,,
ALS Vial : 22 Sample Multiplier: 1

Quant Time: Aug 27 06:06:39 2024
Quant Method : C:\msdchem\1\methods\SIMCL_VN6705_082024.M
Quant Title : Standard Methods 6200B
QLast Update : Tue Aug 20 14:01:28 2024
Response via : Initial Calibration



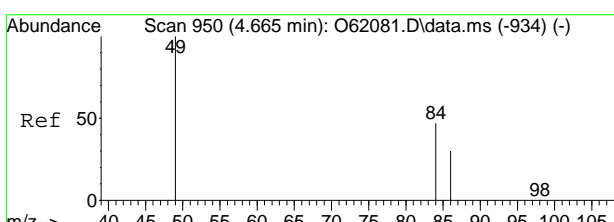
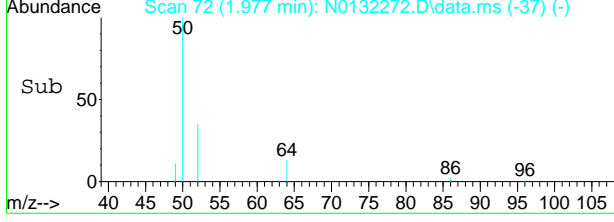
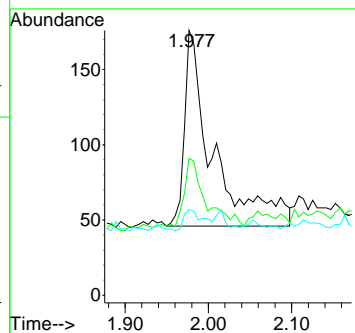
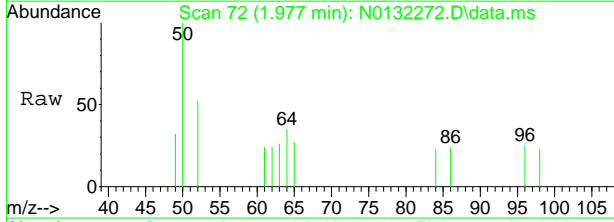
7.1.13
7





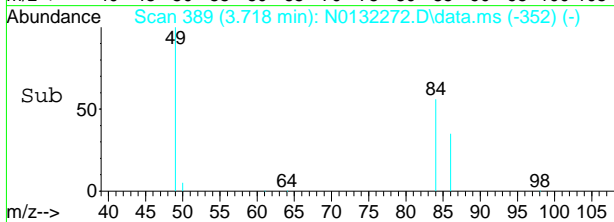
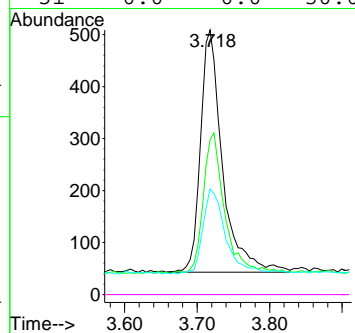
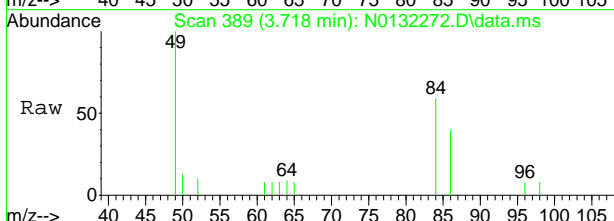
#3
 Chloromethane
 Concen: 0.26 ug/L
 RT: 1.977 min Scan# 72
 Delta R.T. -0.005 min
 Lab File: N0132272.D
 Acq: 26 Aug 2024 2:52 pm

Tgt Ion	Resp	Lower	Upper
50	305		
52	34.6	2.1	62.1
49	10.0	0.0	39.6

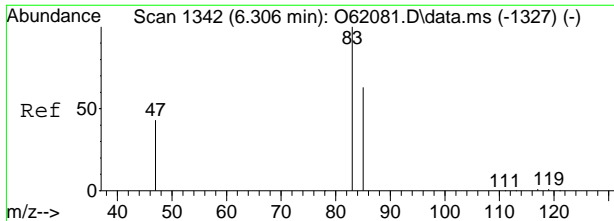


#5
 Methylene Chloride
 Concen: 0.52 ug/L
 RT: 3.718 min Scan# 389
 Delta R.T. 0.006 min
 Lab File: N0132272.D
 Acq: 26 Aug 2024 2:52 pm

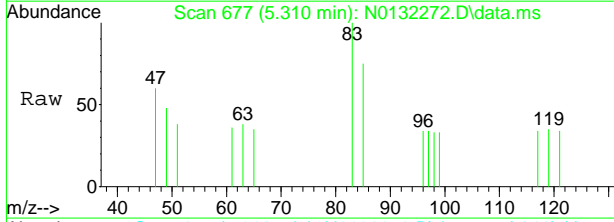
Tgt Ion	Resp	Lower	Upper
49	981		
84	54.9	20.0	80.0
86	34.5	0.4	60.4
51	0.0	0.0	30.0



7.1.13
7

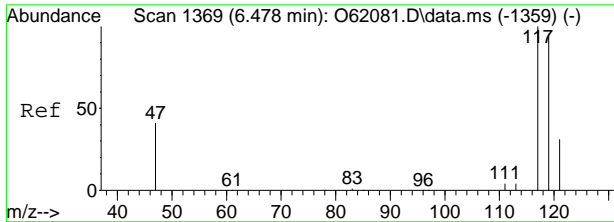
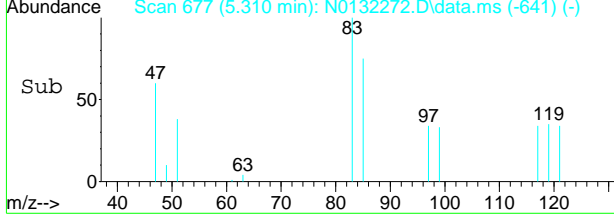
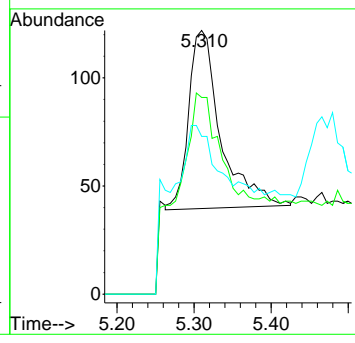


#9
 Chloroform
 Concen: 0.16 ug/L m
 RT: 5.310 min Scan# 677
 Delta R.T. 0.007 min
 Lab File: N0132272.D
 Acq: 26 Aug 2024 2:52 pm

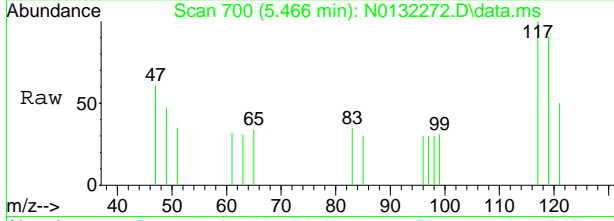


Tgt Ion: 83 Resp: 239

Ion	Ratio	Lower	Upper
83	100		
85	74.6	36.3	96.3
47	59.8	2.6	62.6

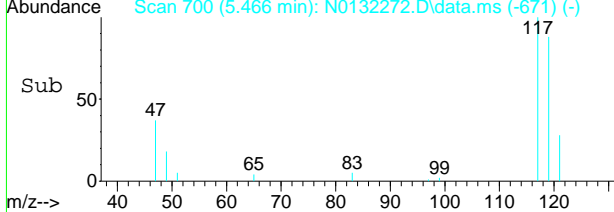
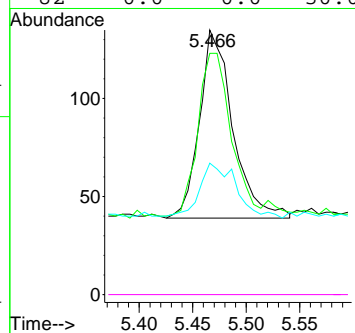


#10
 Carbon Tetrachloride
 Concen: 0.34 ug/L
 RT: 5.466 min Scan# 700
 Delta R.T. -0.000 min
 Lab File: N0132272.D
 Acq: 26 Aug 2024 2:52 pm



Tgt Ion: 117 Resp: 207

Ion	Ratio	Lower	Upper
117	100		
119	86.5	67.0	127.0
121	28.1	0.5	60.5
82	0.0	0.0	30.0



7.1.13
7

Manual Integration Approval Summary

Sample Number: FC18261-13 **Method:** SW846 8260D BY SIM
Lab FileID: N0132272.D **Analyst approved:** 08/27/24 06:11 Jenifer Willis
Injection Time: 08/26/24 14:52 **Supervisor approved:** 08/27/24 07:34 Karen Watson

Parameter	CAS	Sig#	R.T. (min.)	Reason
Chloroform	67-66-3		5.31	Poorly defined baseline

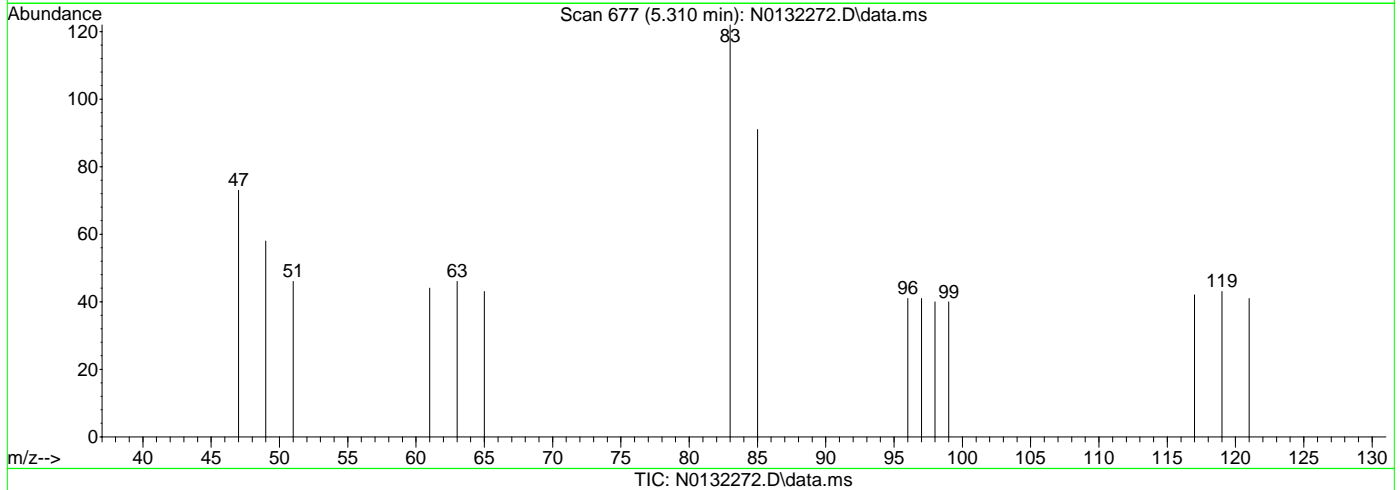
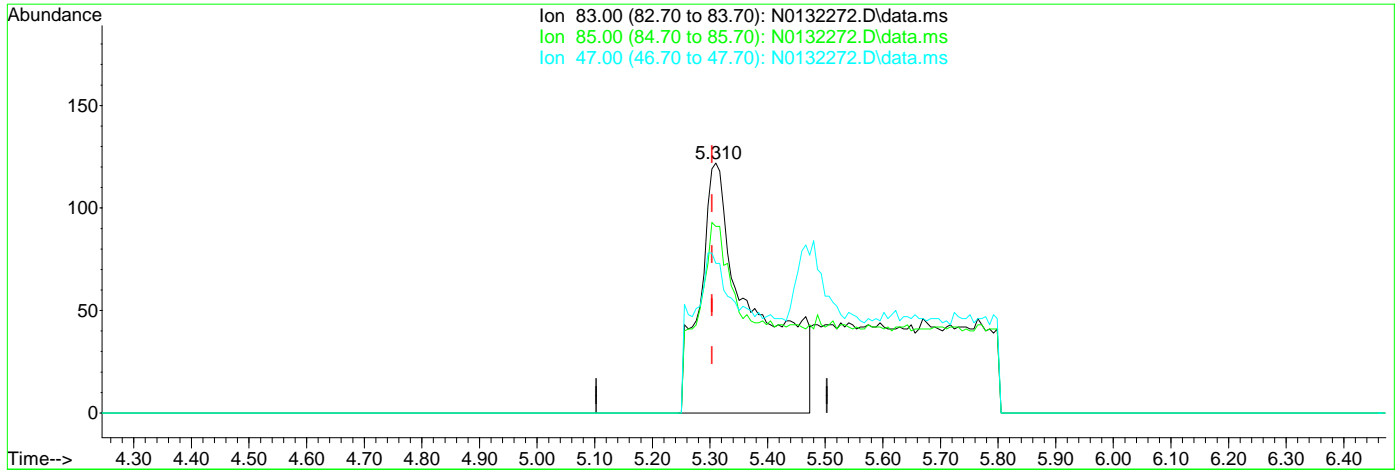
7.1.13.1

7

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\08-26-24\
 Data File : N0132272.D
 Acq On : 26 Aug 2024 2:52 pm
 Operator : jeniferw
 Sample : FC18261-13
 Misc : MS57355,VN6708,,,,,
 ALS Vial : 22 Sample Multiplier: 1

Quant Time: Aug 27 05:08:42 2024
 Quant Method : C:\msdchem\1\methods\SIMCL_VN6705_082024.M
 Quant Title : Standard Methods 6200B
 QLast Update : Tue Aug 20 14:01:28 2024
 Response via : Initial Calibration



(9) Chloroform
 5.310min (+0.007) 0.52ug/L

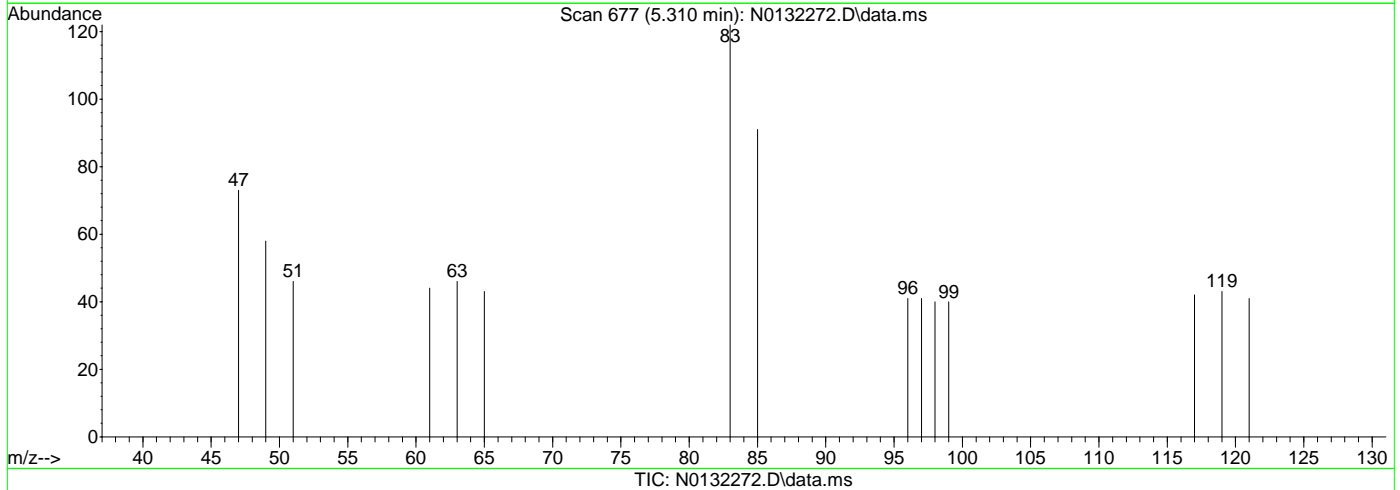
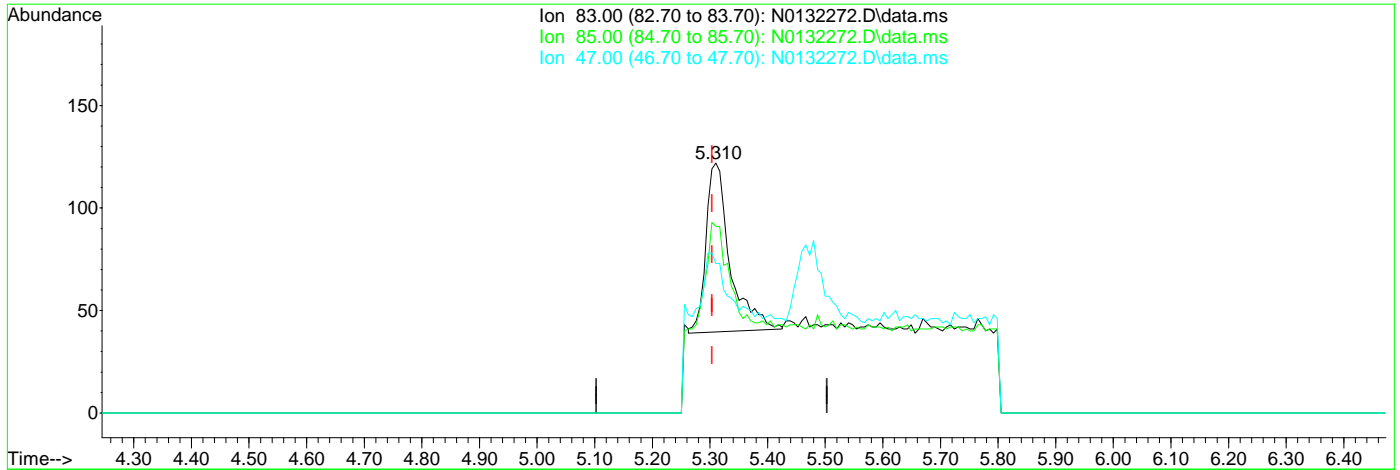
response 782

Ion	Exp%	Act%
83.00	100	100
85.00	66.30	74.59
47.00	32.60	59.84
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\08-26-24\
 Data File : N0132272.D
 Acq On : 26 Aug 2024 2:52 pm
 Operator : jeniferw
 Sample : FC18261-13
 Misc : MS57355,VN6708,,,,,
 ALS Vial : 22 Sample Multiplier: 1

Quant Time: Aug 27 05:08:42 2024
 Quant Method : C:\msdchem\1\methods\SIMCL_VN6705_082024.M
 Quant Title : Standard Methods 6200B
 QLast Update : Tue Aug 20 14:01:28 2024
 Response via : Initial Calibration



(9) Chloroform
 5.310min (+0.007) 0.16ug/L m

response 239

Ion	Exp%	Act%
83.00	100	100
85.00	66.30	74.59
47.00	32.60	59.84
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\08-26-24\
 Data File : N0132273.D
 Acq On : 26 Aug 2024 3:15 pm
 Operator : jeniferw
 Sample : FC18261-14
 Misc : MS57355,VN6708,,,,,
 ALS Vial : 23 Sample Multiplier: 1

Quant Time: Aug 27 06:07:21 2024
 Quant Method : C:\msdchem\1\methods\SIMCL_VN6705_082024.M
 Quant Title : Standard Methods 6200B
 QLast Update : Tue Aug 20 14:01:28 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	Qvalue

Internal Standards							
1) Fluorobenzene	6.341	96	40215	5.00	ug/L	0.00	
18) Chlorobenzene-d5	9.519	117	25495	5.00	ug/L	0.00	
System Monitoring Compounds							
13) 1,2-Dichloroethane-d4	6.045	65	18877	5.46	ug/L	0.00	
Spiked Amount	5.000	Range 74 - 125	Recovery	=	109.20%		
19) Toluene-d8	7.950	98	29669	5.27	ug/L	0.00	
Spiked Amount	5.000	Range 88 - 111	Recovery	=	105.40%		
Target Compounds							
3) Chloromethane	1.982	50	174	0.15	ug/L	96	
5) Methylene Chloride	3.718	49	1047	0.56	ug/L	95	

(#) = qualifier out of range (m) = manual integration (+) = signals summed

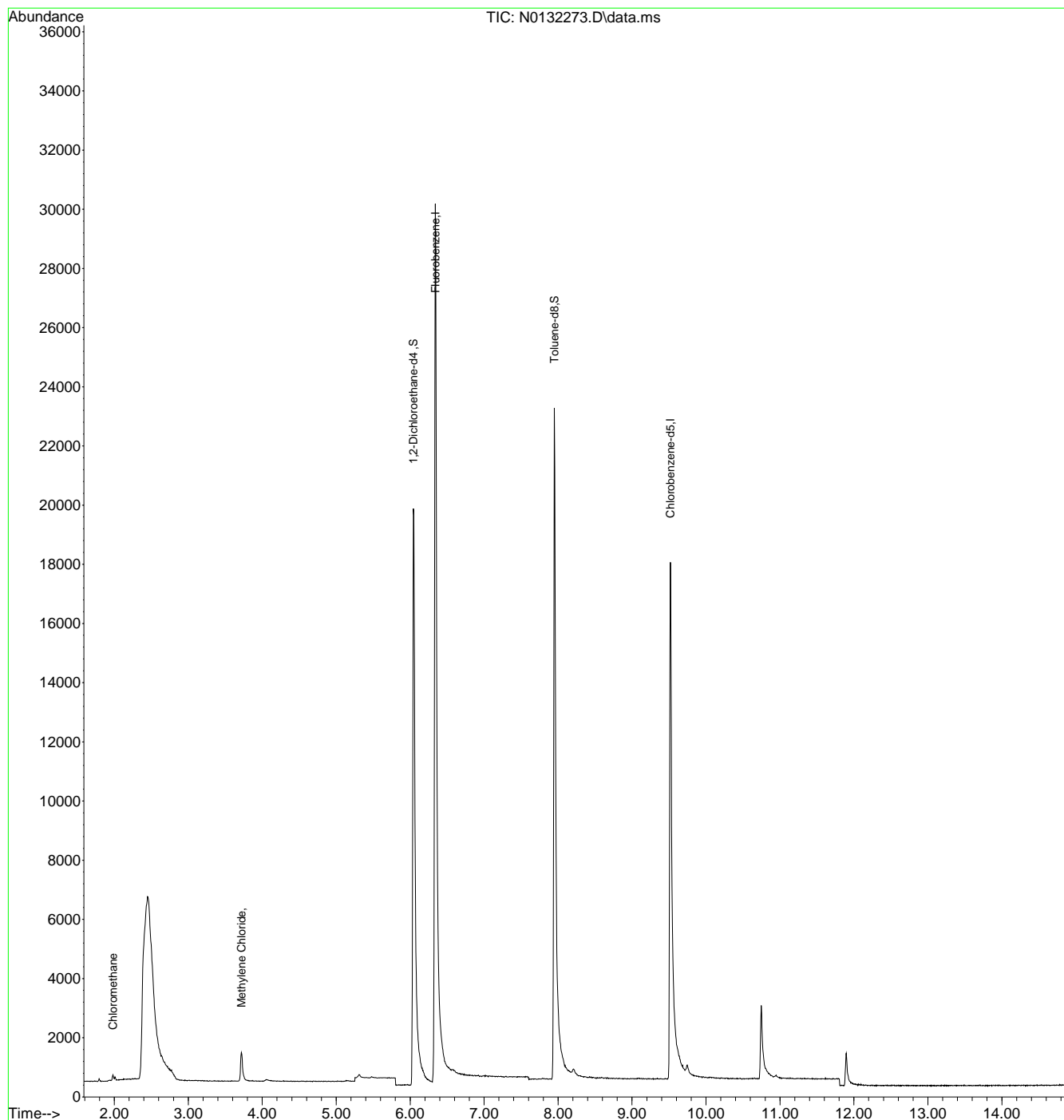
7.1.14
7



Quantitation Report (QT Reviewed)

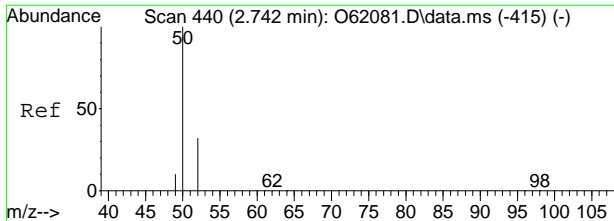
Data Path : C:\msdchem\1\data\08-26-24\
 Data File : N0132273.D
 Acq On : 26 Aug 2024 3:15 pm
 Operator : jeniferw
 Sample : FC18261-14
 Misc : MS57355,VN6708,,,,,
 ALS Vial : 23 Sample Multiplier: 1

Quant Time: Aug 27 06:07:21 2024
 Quant Method : C:\msdchem\1\methods\SIMCL_VN6705_082024.M
 Quant Title : Standard Methods 6200B
 QLast Update : Tue Aug 20 14:01:28 2024
 Response via : Initial Calibration



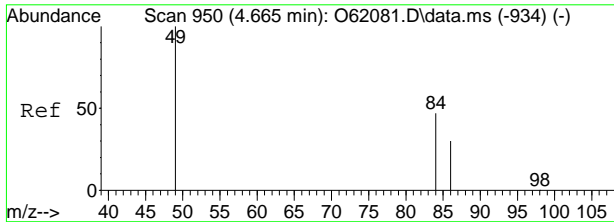
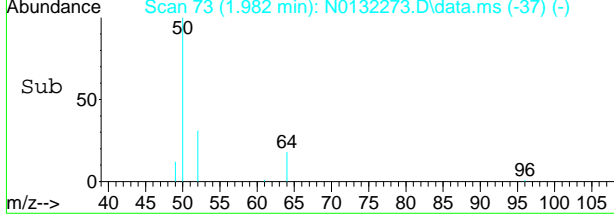
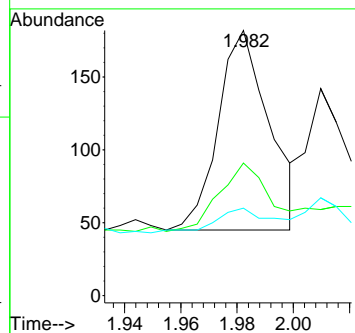
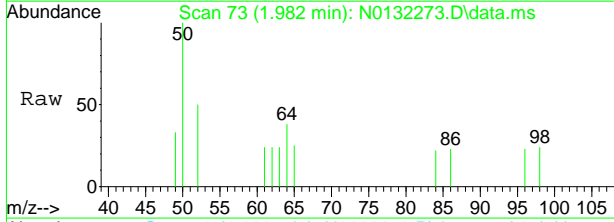
7.1.14
7





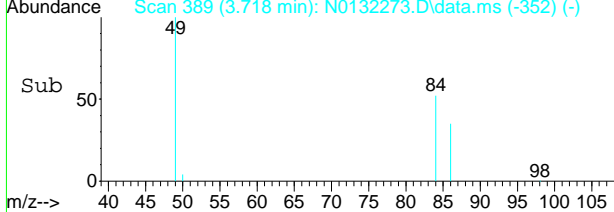
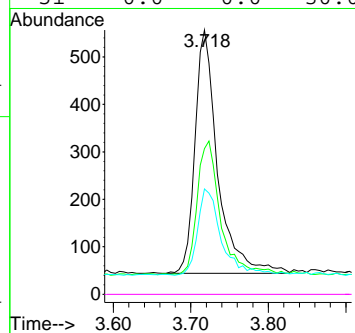
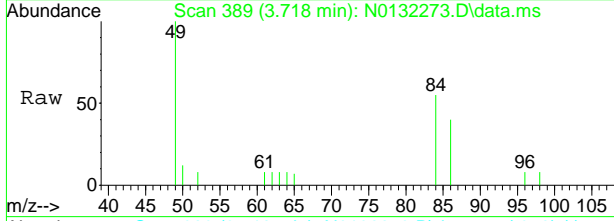
#3
 Chloromethane
 Concen: 0.15 ug/L
 RT: 1.982 min Scan# 73
 Delta R.T. 0.000 min
 Lab File: N0132273.D
 Acq: 26 Aug 2024 3:15 pm

Tgt Ion	Ratio	Lower	Upper
50	100		
52	34.3	2.1	62.1
49	10.9	0.0	39.6



#5
 Methylene Chloride
 Concen: 0.56 ug/L
 RT: 3.718 min Scan# 389
 Delta R.T. 0.006 min
 Lab File: N0132273.D
 Acq: 26 Aug 2024 3:15 pm

Tgt Ion	Ratio	Lower	Upper
49	100		
84	51.5	20.0	80.0
86	35.1	0.4	60.4
51	0.0	0.0	30.0



7.1.14
7

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\08-26-24\
 Data File : N0132274.D
 Acq On : 26 Aug 2024 3:39 pm
 Operator : jeniferw
 Sample : FC18261-15
 Misc : MS57355,VN6708,,,,,
 ALS Vial : 24 Sample Multiplier: 1

Quant Time: Aug 27 06:07:46 2024
 Quant Method : C:\msdchem\1\methods\SIMCL_VN6705_082024.M
 Quant Title : Standard Methods 6200B
 QLast Update : Tue Aug 20 14:01:28 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	Qvalue

Internal Standards							
1) Fluorobenzene	6.341	96	41194	5.00	ug/L	0.00	
18) Chlorobenzene-d5	9.519	117	26455	5.00	ug/L	0.00	
System Monitoring Compounds							
13) 1,2-Dichloroethane-d4	6.045	65	19552	5.52	ug/L	0.00	
Spiked Amount	5.000	Range 74 - 125	Recovery	=	110.40%		
19) Toluene-d8	7.951	98	30447	5.21	ug/L	0.00	
Spiked Amount	5.000	Range 88 - 111	Recovery	=	104.20%		
Target Compounds							
3) Chloromethane	1.977	50	309	0.25	ug/L	98	
5) Methylene Chloride	3.718	49	1030	0.53	ug/L	89	
10) Carbon Tetrachloride	5.473	117	141	0.23	ug/L	76	

(#) = qualifier out of range (m) = manual integration (+) = signals summed

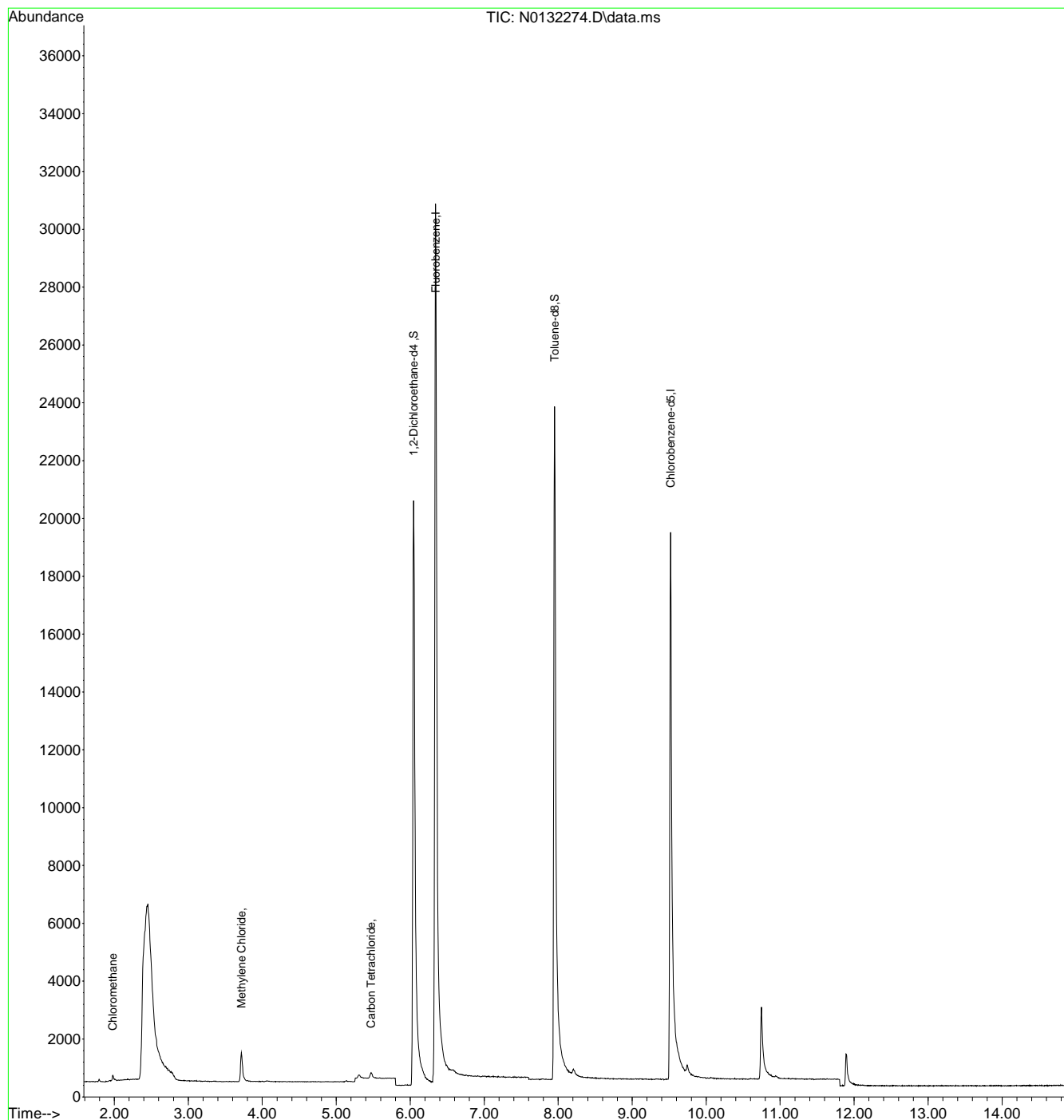
7.1.15
7



Quantitation Report (QT Reviewed)

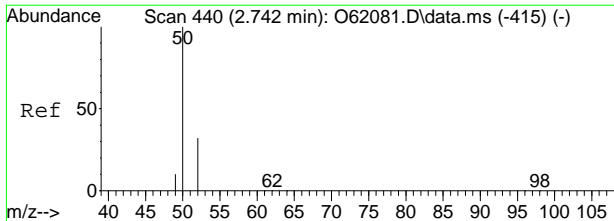
Data Path : C:\msdchem\1\data\08-26-24\
 Data File : N0132274.D
 Acq On : 26 Aug 2024 3:39 pm
 Operator : jeniferw
 Sample : FC18261-15
 Misc : MS57355,VN6708,,,,,
 ALS Vial : 24 Sample Multiplier: 1

Quant Time: Aug 27 06:07:46 2024
 Quant Method : C:\msdchem\1\methods\SIMCL_VN6705_082024.M
 Quant Title : Standard Methods 6200B
 QLast Update : Tue Aug 20 14:01:28 2024
 Response via : Initial Calibration



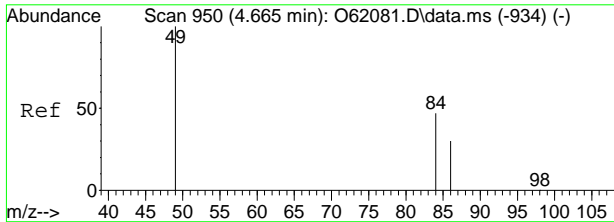
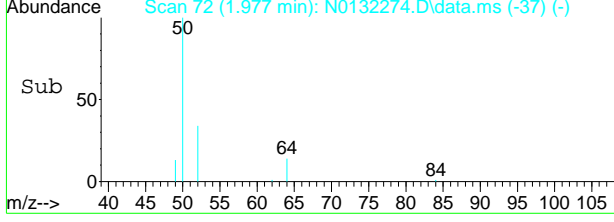
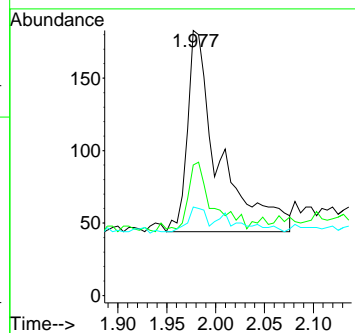
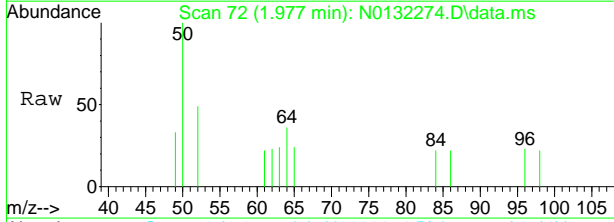
7.1.15
7





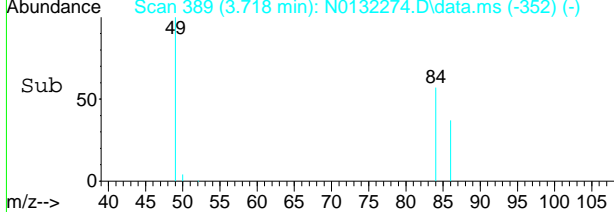
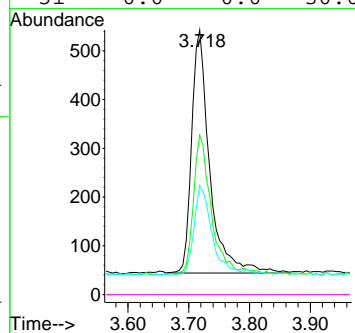
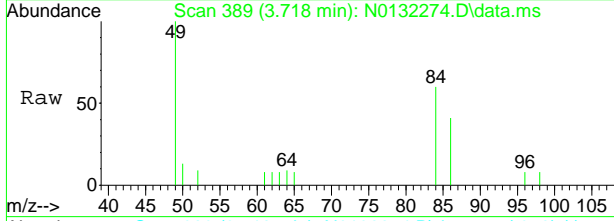
#3
 Chloromethane
 Concen: 0.25 ug/L
 RT: 1.977 min Scan# 72
 Delta R.T. -0.005 min
 Lab File: N0132274.D
 Acq: 26 Aug 2024 3:39 pm

Tgt Ion	Resp	Lower	Upper
50	309		
52	31.7	2.1	62.1
49	12.2	0.0	39.6



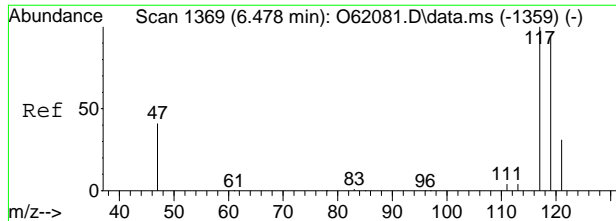
#5
 Methylene Chloride
 Concen: 0.53 ug/L
 RT: 3.718 min Scan# 389
 Delta R.T. 0.006 min
 Lab File: N0132274.D
 Acq: 26 Aug 2024 3:39 pm

Tgt Ion	Resp	Lower	Upper
49	1030		
84	57.3	20.0	80.0
86	36.7	0.4	60.4
51	0.0	0.0	30.0



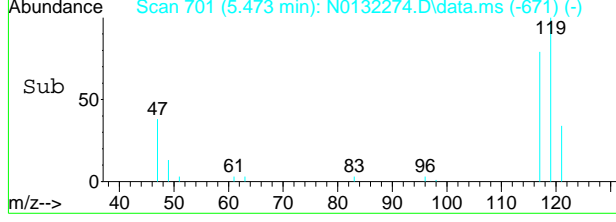
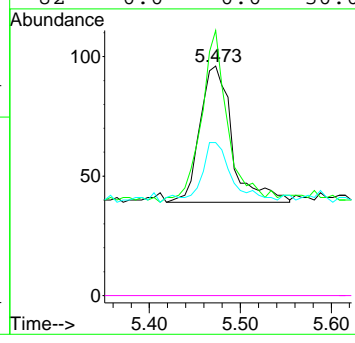
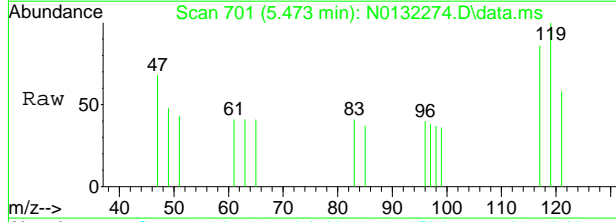
7.1.15
7





#10
 Carbon Tetrachloride
 Concen: 0.23 ug/L
 RT: 5.473 min Scan# 701
 Delta R.T. 0.007 min
 Lab File: N0132274.D
 Acq: 26 Aug 2024 3:39 pm

Tgt Ion	Ratio	Lower	Upper
117	100		
119	122.8	67.0	127.0
121	40.4	0.5	60.5
82	0.0	0.0	30.0



7.1.15
7



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\08-26-24\
 Data File : N0132275.D
 Acq On : 26 Aug 2024 4:02 pm
 Operator : jeniferw
 Sample : FC18261-16
 Misc : MS57355,VN6708,,,,,
 ALS Vial : 25 Sample Multiplier: 1

Quant Time: Aug 27 06:08:06 2024
 Quant Method : C:\msdchem\1\methods\SIMCL_VN6705_082024.M
 Quant Title : Standard Methods 6200B
 QLast Update : Tue Aug 20 14:01:28 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	Qvalue

Internal Standards							
1) Fluorobenzene	6.341	96	41173	5.00	ug/L	0.00	
18) Chlorobenzene-d5	9.519	117	26525	5.00	ug/L	0.00	
System Monitoring Compounds							
13) 1,2-Dichloroethane-d4	6.045	65	19597	5.53	ug/L	0.00	
Spiked Amount	5.000	Range 74 - 125	Recovery	=	110.60%		
19) Toluene-d8	7.951	98	30140	5.15	ug/L	0.00	
Spiked Amount	5.000	Range 88 - 111	Recovery	=	103.00%		
Target Compounds							
3) Chloromethane	1.977	50	315	0.26	ug/L	92	
5) Methylene Chloride	3.718	49	1011	0.52	ug/L	91	
10) Carbon Tetrachloride	5.473	117	143	0.23	ug/L	90	

(#) = qualifier out of range (m) = manual integration (+) = signals summed

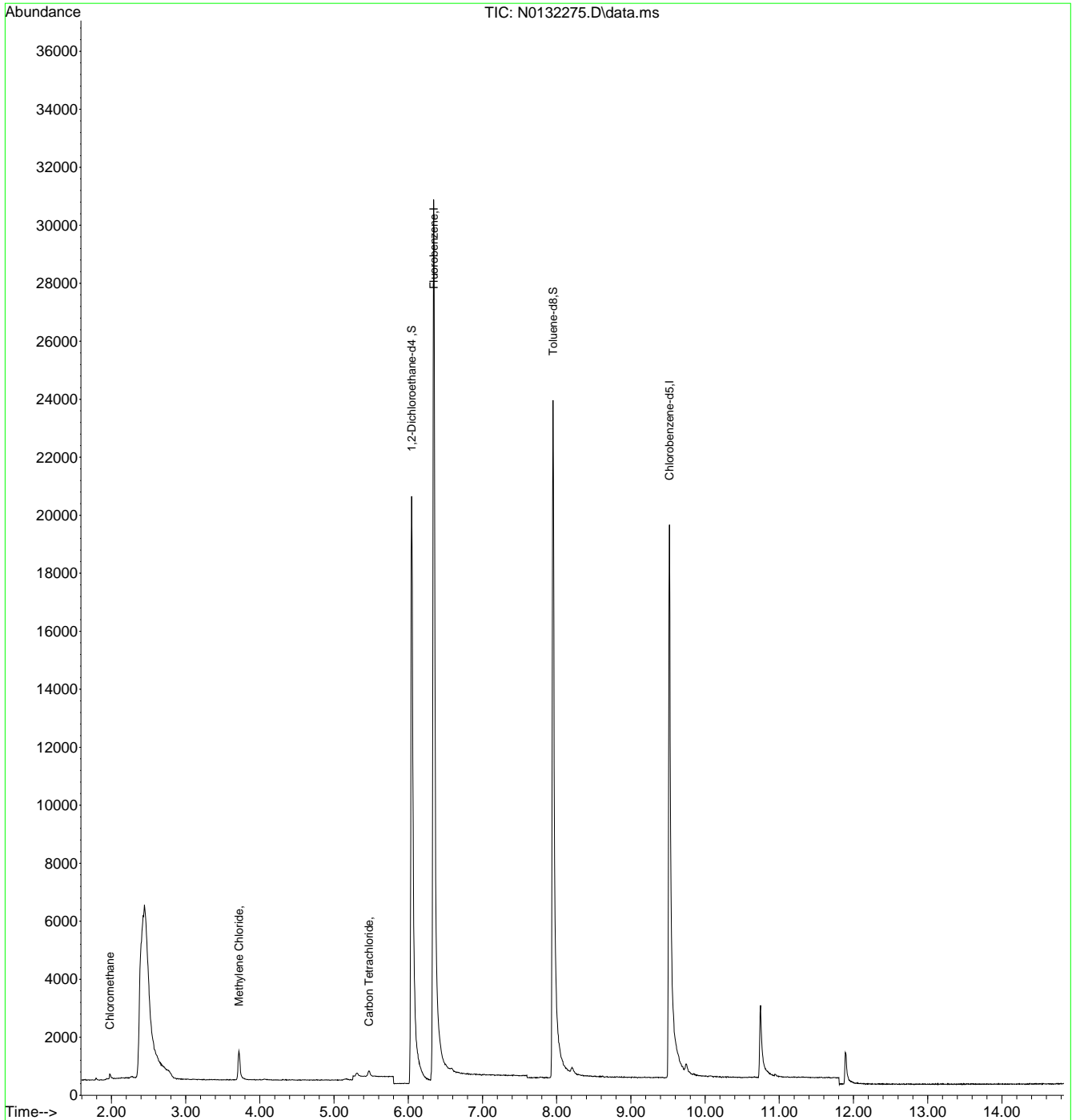
7.1.16
7



Quantitation Report (QT Reviewed)

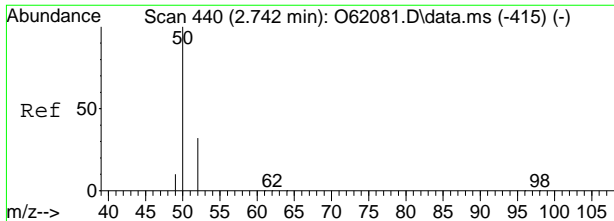
Data Path : C:\msdchem\1\data\08-26-24\
 Data File : N0132275.D
 Acq On : 26 Aug 2024 4:02 pm
 Operator : jeniferw
 Sample : FC18261-16
 Misc : MS57355,VN6708,,,,,
 ALS Vial : 25 Sample Multiplier: 1

Quant Time: Aug 27 06:08:06 2024
 Quant Method : C:\msdchem\1\methods\SIMCL_VN6705_082024.M
 Quant Title : Standard Methods 6200B
 QLast Update : Tue Aug 20 14:01:28 2024
 Response via : Initial Calibration



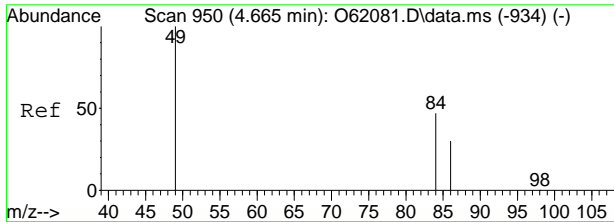
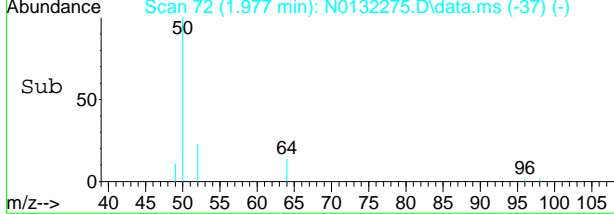
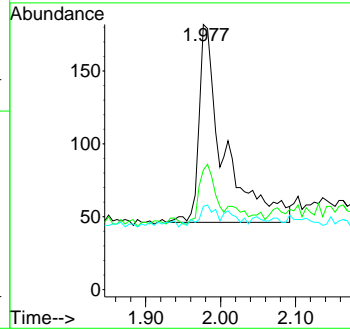
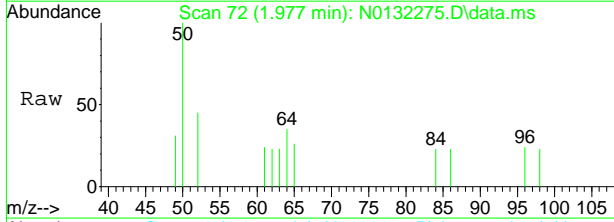
7.1.16
7





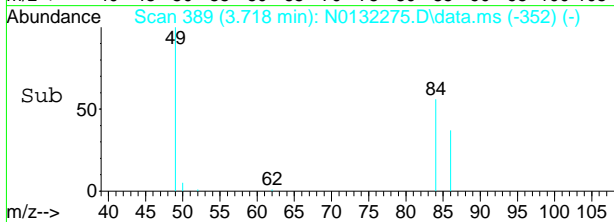
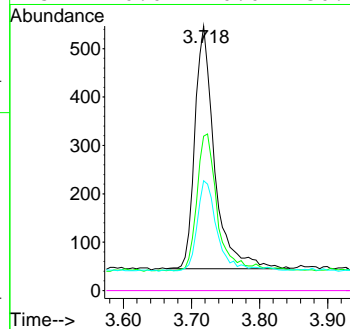
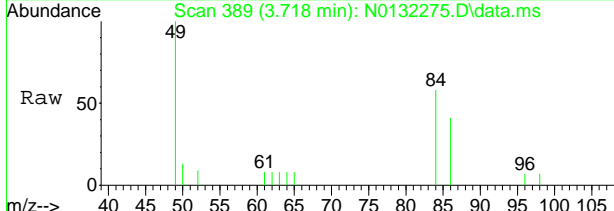
#3
 Chloromethane
 Concen: 0.26 ug/L
 RT: 1.977 min Scan# 72
 Delta R.T. -0.005 min
 Lab File: N0132275.D
 Acq: 26 Aug 2024 4:02 pm

Tgt Ion	Ratio	Lower	Upper
50	100		
52	27.2	2.1	62.1
49	8.1	0.0	39.6

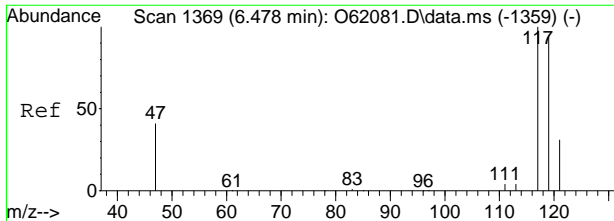


#5
 Methylene Chloride
 Concen: 0.52 ug/L
 RT: 3.718 min Scan# 389
 Delta R.T. 0.006 min
 Lab File: N0132275.D
 Acq: 26 Aug 2024 4:02 pm

Tgt Ion	Ratio	Lower	Upper
49	100		
84	55.4	20.0	80.0
86	36.9	0.4	60.4
51	0.0	0.0	30.0

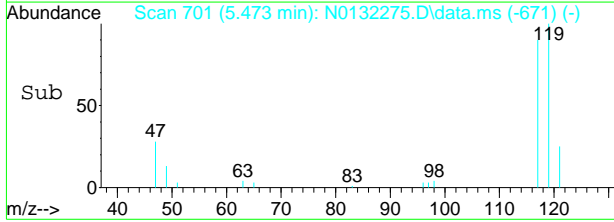
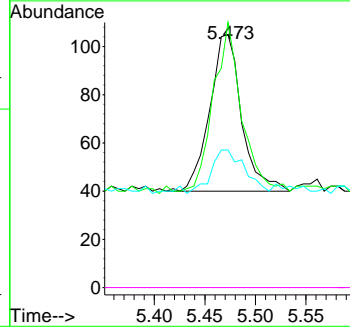
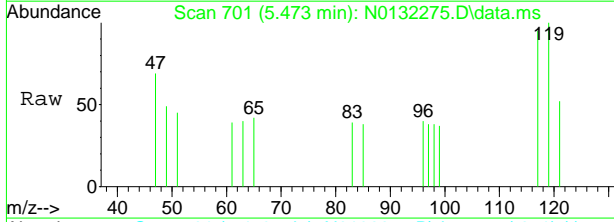


7.1.16
7



#10
 Carbon Tetrachloride
 Concen: 0.23 ug/L
 RT: 5.473 min Scan# 701
 Delta R.T. 0.007 min
 Lab File: N0132275.D
 Acq: 26 Aug 2024 4:02 pm

Tgt Ion	Ratio	Lower	Upper
117	100		
119	107.7	67.0	127.0
121	26.2	0.5	60.5
82	0.0	0.0	30.0



7.1.16
7

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\082624\
 Data File : Z76596.D
 Acq On : 26 Aug 2024 5:45 pm
 Operator : claudias
 Sample : FC18261-17 Inst : MSVOA15-Z
 Misc : MS57364,VZ3083,,,,,
 ALS Vial : 23 Sample Multiplier: 1

Quant Time: Aug 27 06:37:03 2024
 Quant Method : C:\msdchem\1\methods\SIMCL-08-26-2024.M
 Quant Title : Standard Methods 6200B
 QLast Update : Mon Aug 26 13:08:06 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	Qvalue

Internal Standards							
1) Fluorobenzene	7.895	96	17901	5.00	ug/L	0.00	
18) Chlorobenzene-d5	10.980	117	20828	5.00	ug/L	0.00	
System Monitoring Compounds							
13) 1,2-Dichloroethane-d4	7.628	65	8888	5.79	ug/L	0.00	
Spiked Amount	5.000	Range 74 - 125	Recovery	=	115.80%		
19) Toluene-d8	9.428	98	17649	5.22	ug/L	0.00	
Spiked Amount	5.000	Range 88 - 111	Recovery	=	104.40%		
Target Compounds							
5) Methylene Chloride	5.208	49	205	0.05	ug/L		84
9) Chloroform	6.883	83	427m	0.10	ug/L		
10) Carbon Tetrachloride	7.051	117	168m	0.06	ug/L		

(#) = qualifier out of range (m) = manual integration (+) = signals summed

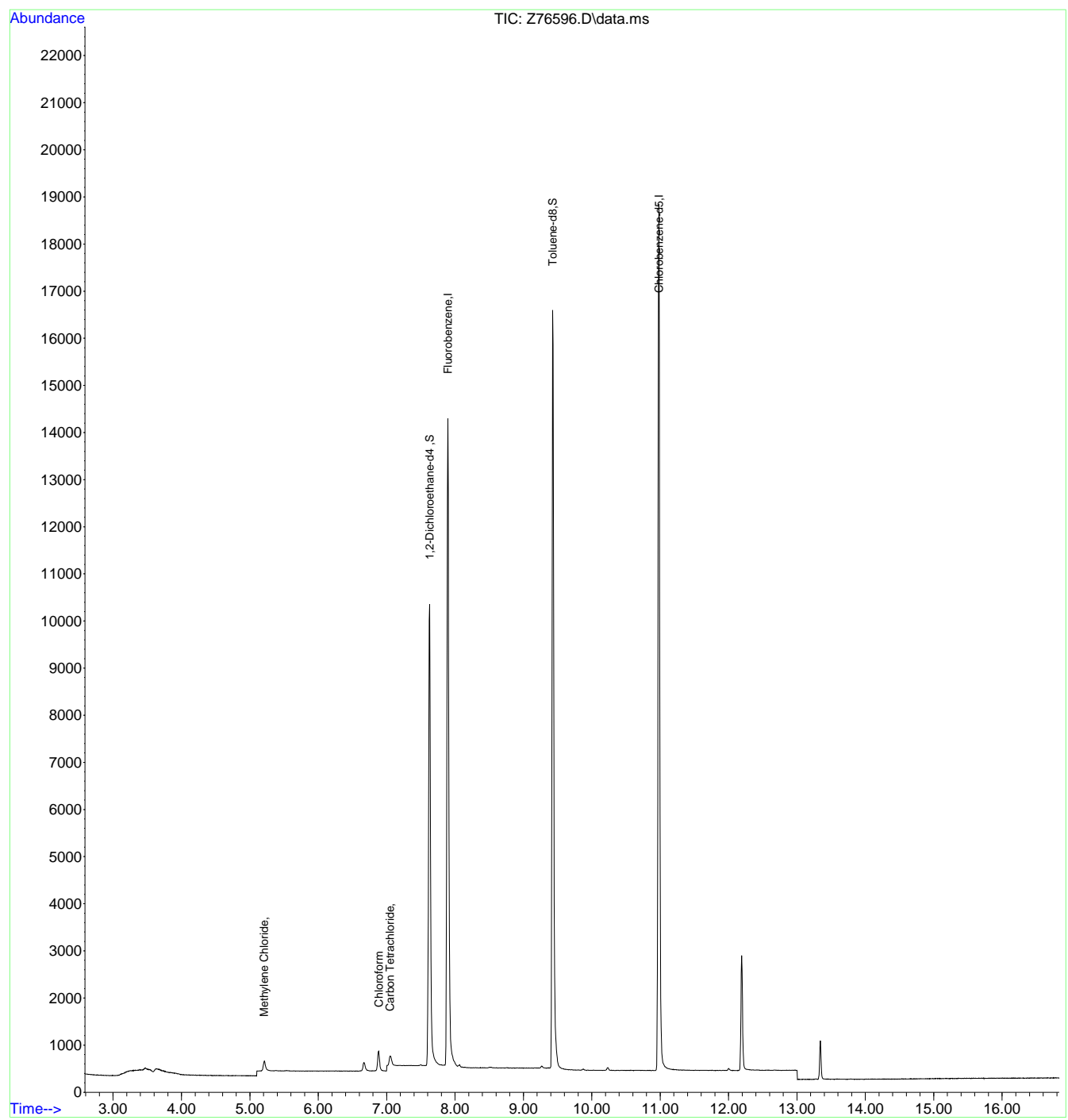
7.1.17
7



Quantitation Report (QT Reviewed)

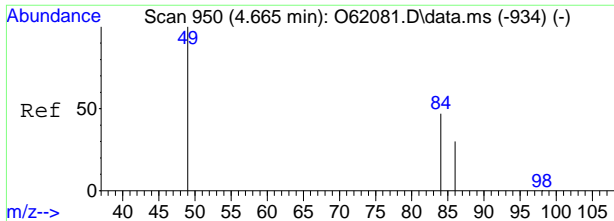
Data Path : C:\msdchem\1\data\082624\
Data File : Z76596.D
Acq On : 26 Aug 2024 5:45 pm
Operator : claudias
Sample : FC18261-17 Inst : MSVOA15-Z
Misc : MS57364,VZ3083,,,,,
ALS Vial : 23 Sample Multiplier: 1

Quant Time: Aug 27 06:37:03 2024
Quant Method : C:\msdchem\1\methods\SIMCL-08-26-2024.M
Quant Title : Standard Methods 6200B
QLast Update : Mon Aug 26 13:08:06 2024
Response via : Initial Calibration



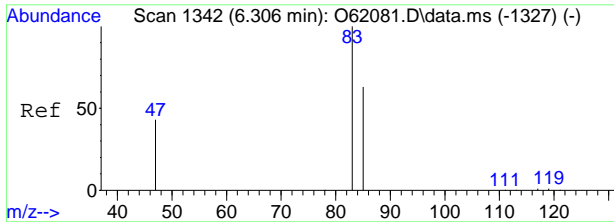
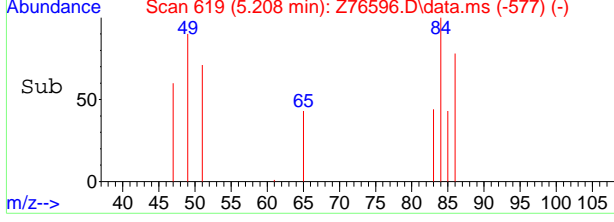
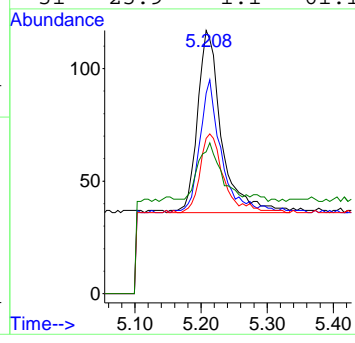
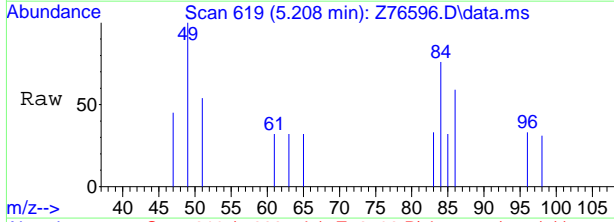
7.1.17
7





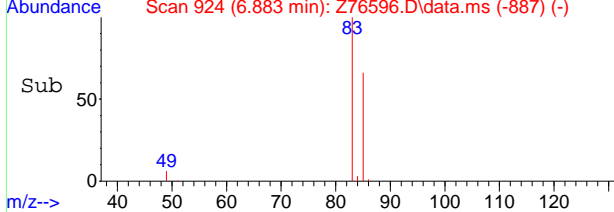
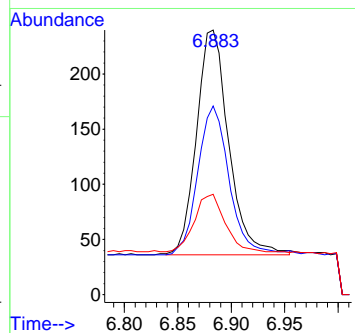
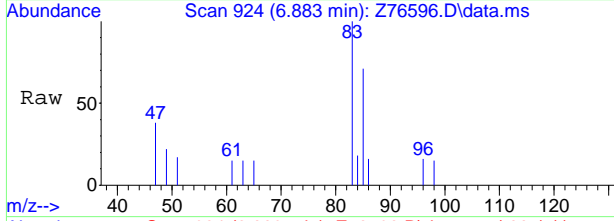
#5
 Methylene Chloride
 Concen: 0.05 ug/L
 RT: 5.208 min Scan# 619
 Delta R.T. -0.000 min
 Lab File: Z76596.D
 Acq: 26 Aug 2024 5:45 pm

Tgt Ion	Ratio	Lower	Upper
49	100		
84	64.2	49.7	109.7
86	40.7	22.0	82.0
51	25.9	1.1	61.1



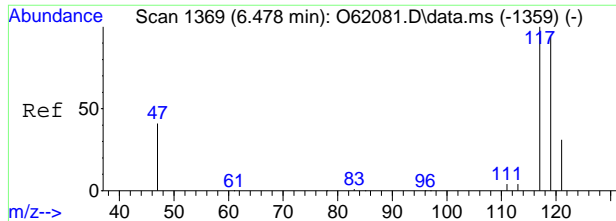
#9
 Chloroform
 Concen: 0.10 ug/L m
 RT: 6.883 min Scan# 924
 Delta R.T. 0.005 min
 Lab File: Z76596.D
 Acq: 26 Aug 2024 5:45 pm

Tgt Ion	Ratio	Lower	Upper
83	100		
85	71.3	35.9	95.9
47	37.9	0.0	51.0



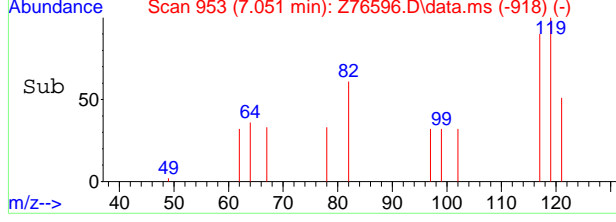
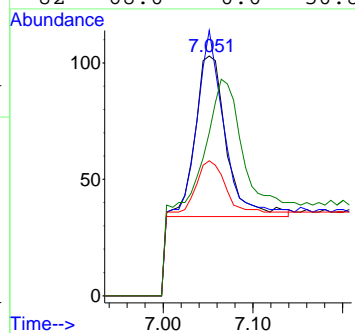
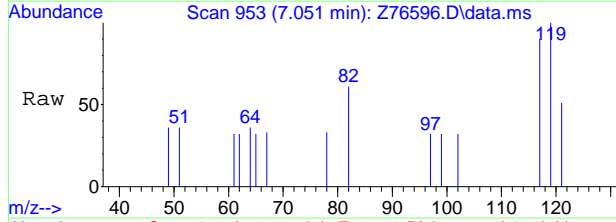
7.1.17
7





#10
 Carbon Tetrachloride
 Concen: 0.06 ug/L m
 RT: 7.051 min Scan# 953
 Delta R.T. 0.000 min
 Lab File: Z76596.D
 Acq: 26 Aug 2024 5:45 pm

Tgt Ion	Ratio	Lower	Upper
117	100		
119	110.7	66.2	126.2
121	56.3	1.2	61.2
82	68.0	0.0	50.8#



7.1.17
7



Manual Integration Approval Summary

Sample Number: FC18261-17 **Method:** SW846 8260D BY SIM
Lab FileID: Z76596.D **Analyst approved:** 08/27/24 07:49 Claudia Sosa
Injection Time: 08/26/24 17:45 **Supervisor approved:** 08/27/24 10:54 Karen Watson

Parameter	CAS	Sig#	R.T. (min.)	Reason
Chloroform	67-66-3		6.88	Poor instrument integration
Carbon Tetrachloride	56-23-5		7.05	Poor instrument integration

7.1.17.1

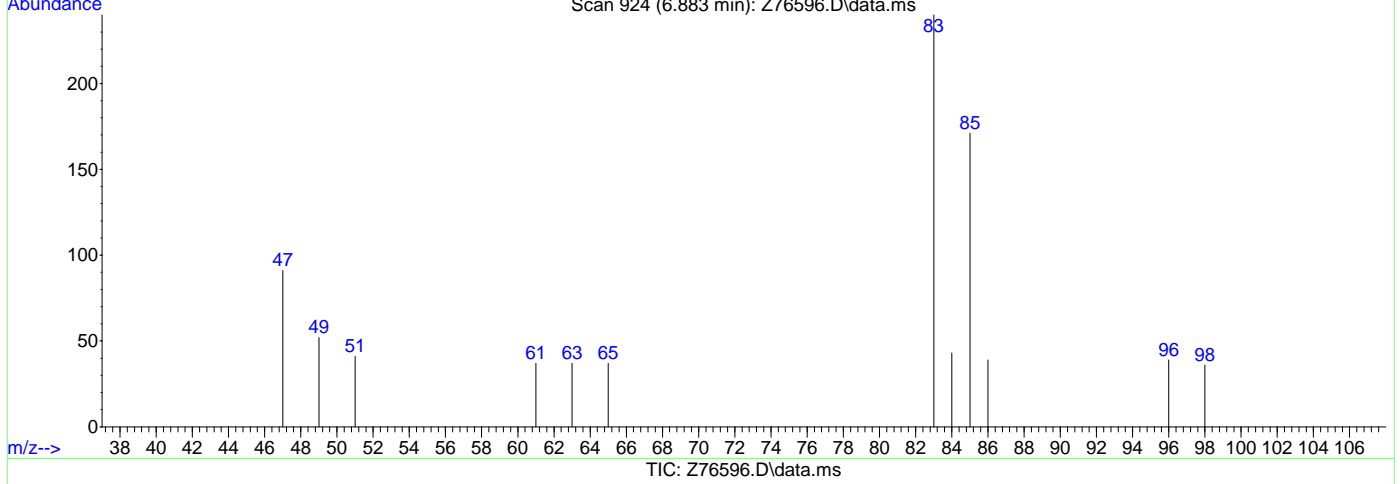
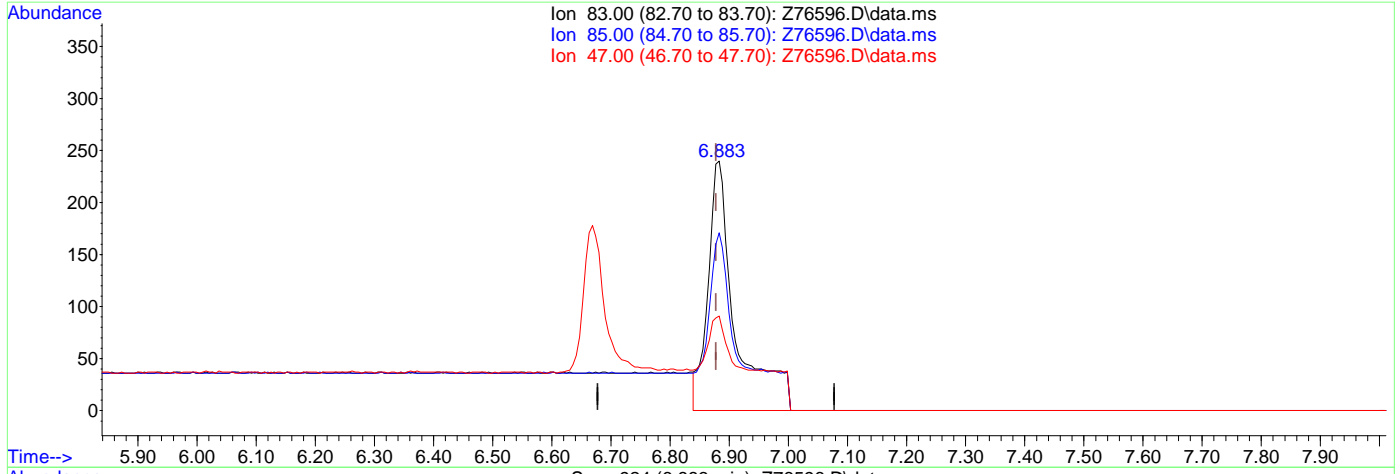
7

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\082624\
Data File : Z76596.D
Acq On : 26 Aug 2024 5:45 pm
Operator : claudias
Sample : FC18261-17
Misc : MS57344,VZ3083,,,,,
ALS Vial : 23 Sample Multiplier: 1

Inst : MSVOA15-Z

Quant Time: Aug 27 06:13:33 2024
Quant Method : C:\msdchem\1\methods\SIMCL-08-26-2024.M
Quant Title : Standard Methods 6200B
QLast Update : Mon Aug 26 13:08:06 2024
Response via : Initial Calibration



(9) Chloroform

6.883min (+0.005) 0.19ug/L

response 782

Ion	Exp%	Act%
83.00	100	100
85.00	65.90	71.25
47.00	21.00	37.92
0.00	0.00	0.00



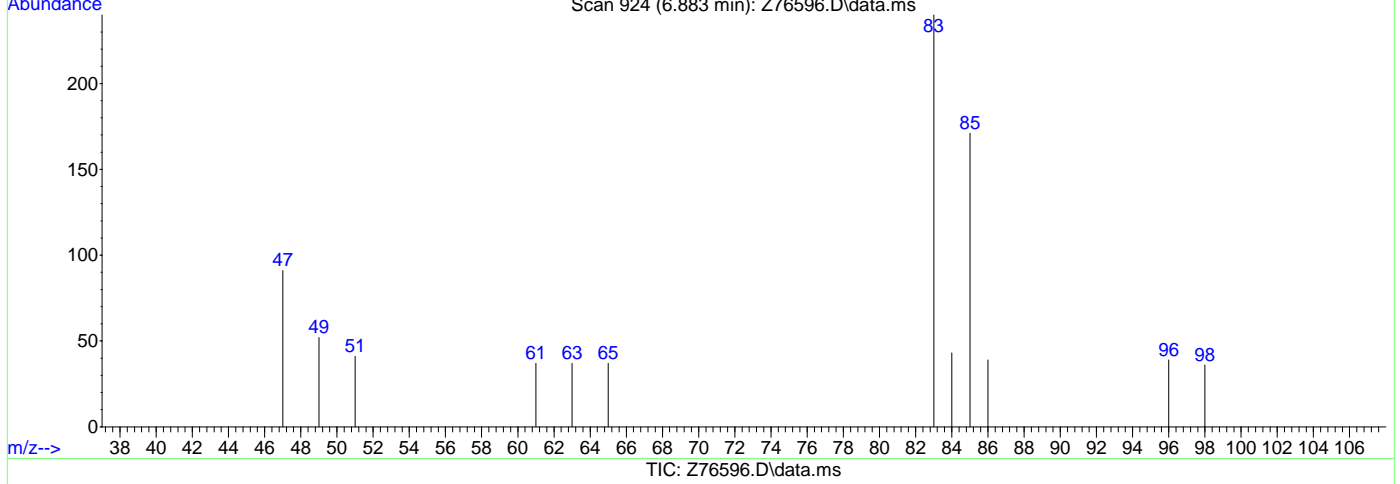
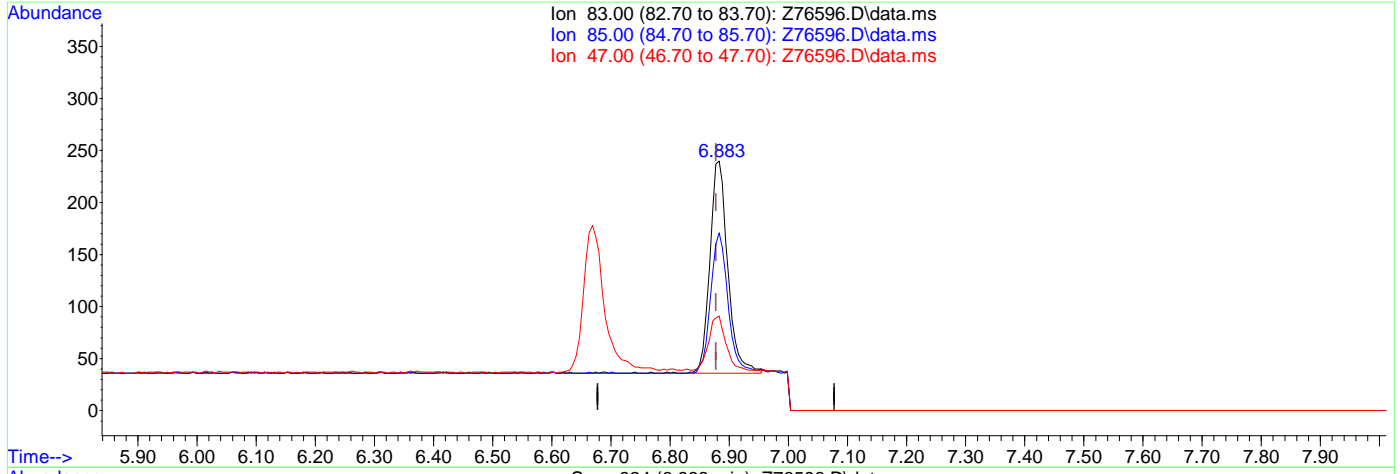
7.1.17.2
7

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\082624\
Data File : Z76596.D
Acq On : 26 Aug 2024 5:45 pm
Operator : claudias
Sample : FC18261-17
Misc : MS57344,VZ3083,,,,,
ALS Vial : 23 Sample Multiplier: 1

Inst : MSVOA15-Z

Quant Time: Aug 27 06:13:33 2024
Quant Method : C:\msdchem\1\methods\SIMCL-08-26-2024.M
Quant Title : Standard Methods 6200B
QLast Update : Mon Aug 26 13:08:06 2024
Response via : Initial Calibration



(9) Chloroform

6.883min (+0.005) 0.10ug/L m

response 427

Ion	Exp%	Act%
83.00	100	100
85.00	65.90	71.25
47.00	21.00	37.92
0.00	0.00	0.00

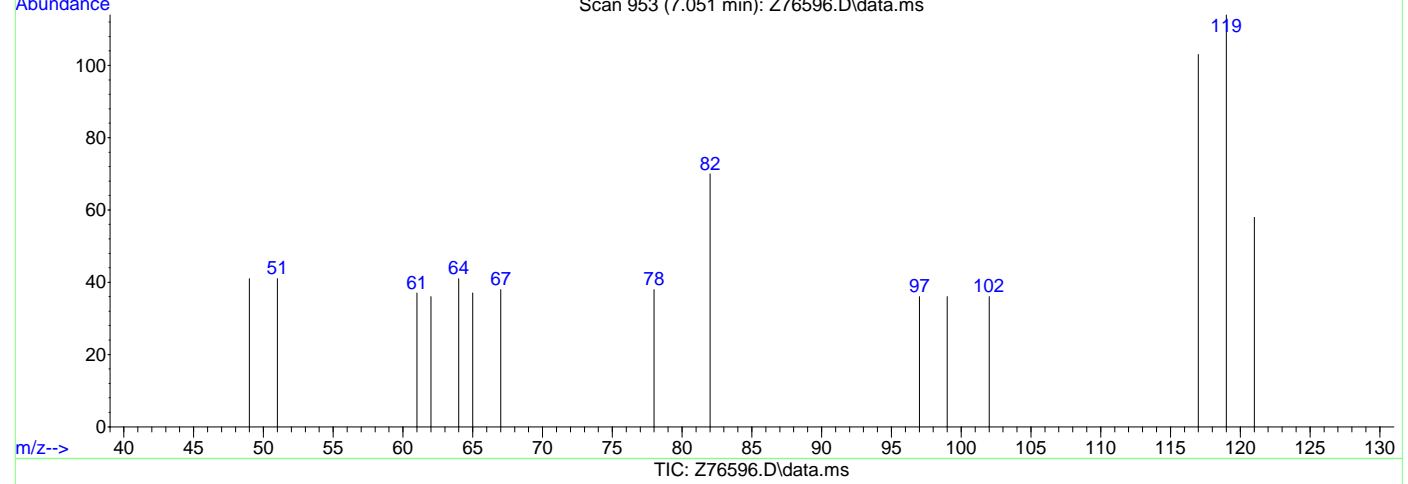
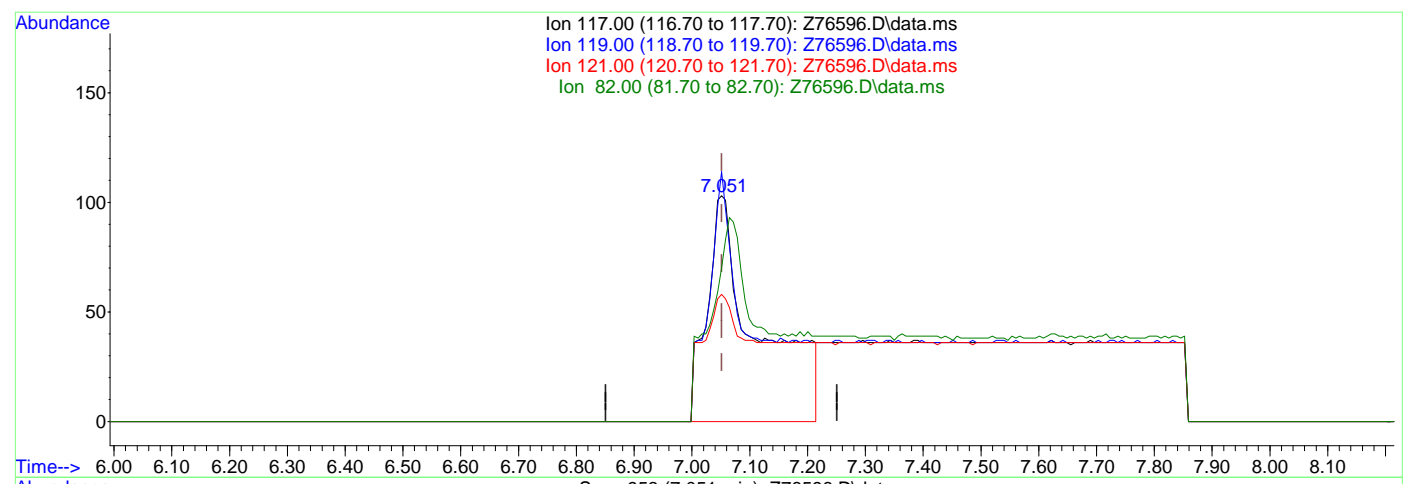


7.1.17.3
7

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\082624\
Data File : Z76596.D
Acq On : 26 Aug 2024 5:45 pm
Operator : claudias
Sample : FC18261-17
Misc : MS57344,VZ3083,,,,,
ALS Vial : 23 Sample Multiplier: 1
Inst : MSVOA15-Z

Quant Time: Aug 27 06:13:33 2024
Quant Method : C:\msdchem\1\methods\SIMCL-08-26-2024.M
Quant Title : Standard Methods 6200B
QLast Update : Mon Aug 26 13:08:06 2024
Response via : Initial Calibration



(10) Carbon Tetrachloride ()

7.051min (+0.000) 0.21ug/L

response 615

Ion	Exp%	Act%
117.00	100	100
119.00	96.20	110.68
121.00	31.20	56.31
82.00	20.80	67.96#



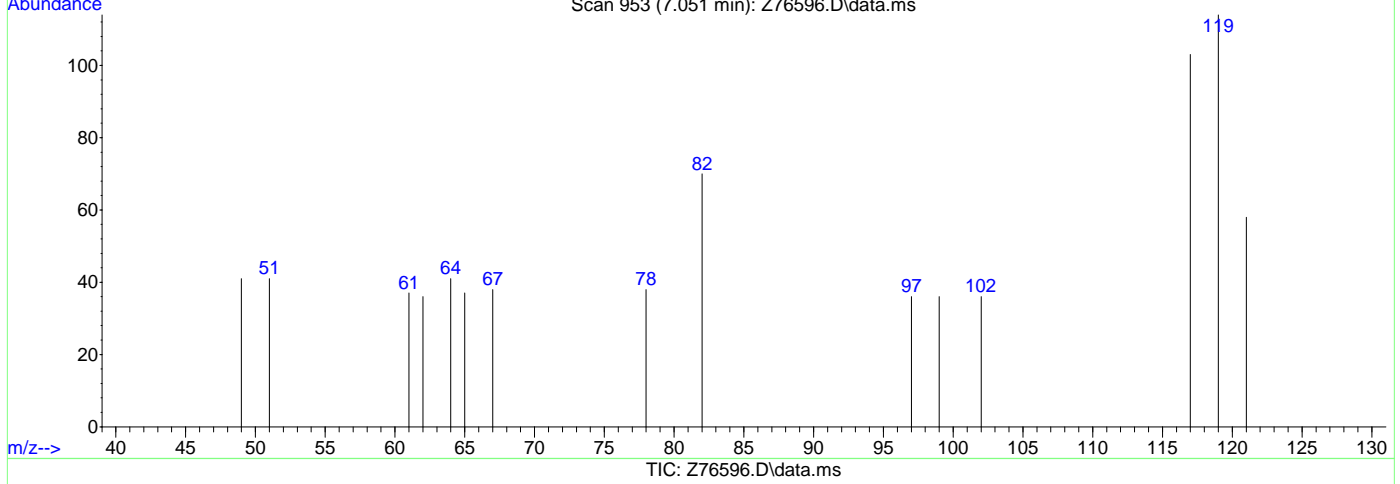
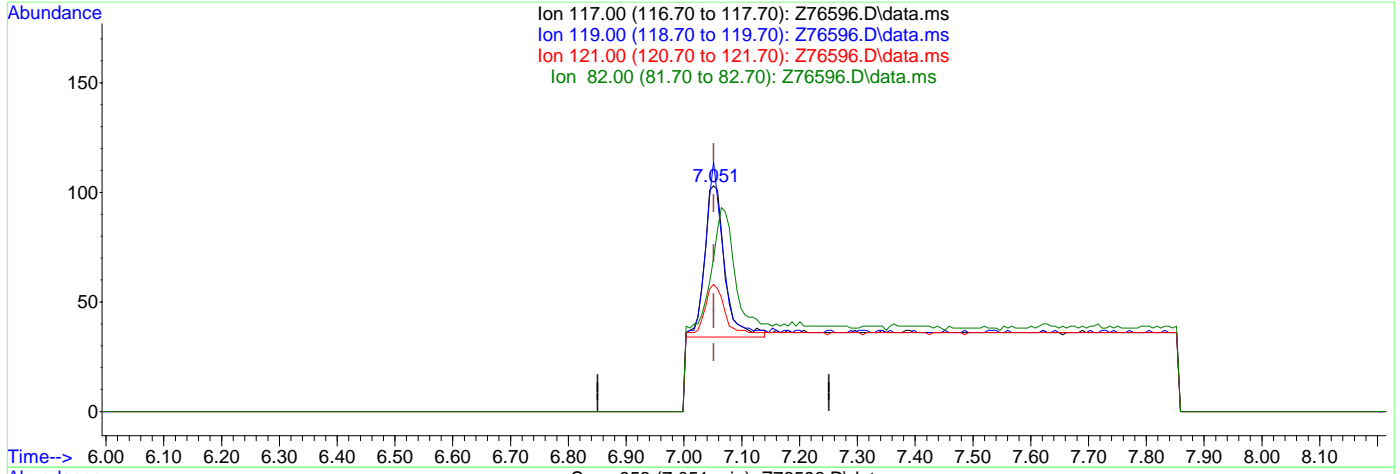
7.1.17.4
7

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\082624\
Data File : Z76596.D
Acq On : 26 Aug 2024 5:45 pm
Operator : claudias
Sample : FC18261-17
Misc : MS57344,VZ3083,,,,,
ALS Vial : 23 Sample Multiplier: 1

Inst : MSVOA15-Z

Quant Time: Aug 27 06:13:33 2024
Quant Method : C:\msdchem\1\methods\SIMCL-08-26-2024.M
Quant Title : Standard Methods 6200B
QLast Update : Mon Aug 26 13:08:06 2024
Response via : Initial Calibration



(10) Carbon Tetrachloride ()

7.051min (+0.000) 0.06ug/L m

response 168

Ion	Exp%	Act%
117.00	100	100
119.00	96.20	110.68
121.00	31.20	56.31
82.00	20.80	67.96#



7.1.17.5
7

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\08-29-24\
 Data File : N0132356.D
 Acq On : 29 Aug 2024 12:18 pm
 Operator : jeniferw
 Sample : FC18261-18
 Misc : MS57382,VN6711,,,,,
 ALS Vial : 15 Sample Multiplier: 1

Quant Time: Aug 29 13:07:54 2024
 Quant Method : C:\msdchem\1\methods\SIMCL_VN6705_082024.M
 Quant Title : Standard Methods 6200B
 QLast Update : Tue Aug 20 14:01:28 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	Qvalue

Internal Standards							
1) Fluorobenzene	6.341	96	42038	5.00	ug/L	0.00	
18) Chlorobenzene-d5	9.519	117	26989	5.00	ug/L	0.00	
System Monitoring Compounds							
13) 1,2-Dichloroethane-d4	6.045	65	20105	5.56	ug/L	0.00	
Spiked Amount	5.000	Range 74 - 125	Recovery	=	111.20%		
19) Toluene-d8	7.945	98	30812	5.17	ug/L	0.00	
Spiked Amount	5.000	Range 88 - 111	Recovery	=	103.40%		
Target Compounds							
3) Chloromethane	1.977	50	366	0.29	ug/L	96	
5) Methylene Chloride	3.712	49	3131	1.62	ug/L	95	
9) Chloroform	5.303	83	236m	0.15	ug/L		

(#) = qualifier out of range (m) = manual integration (+) = signals summed

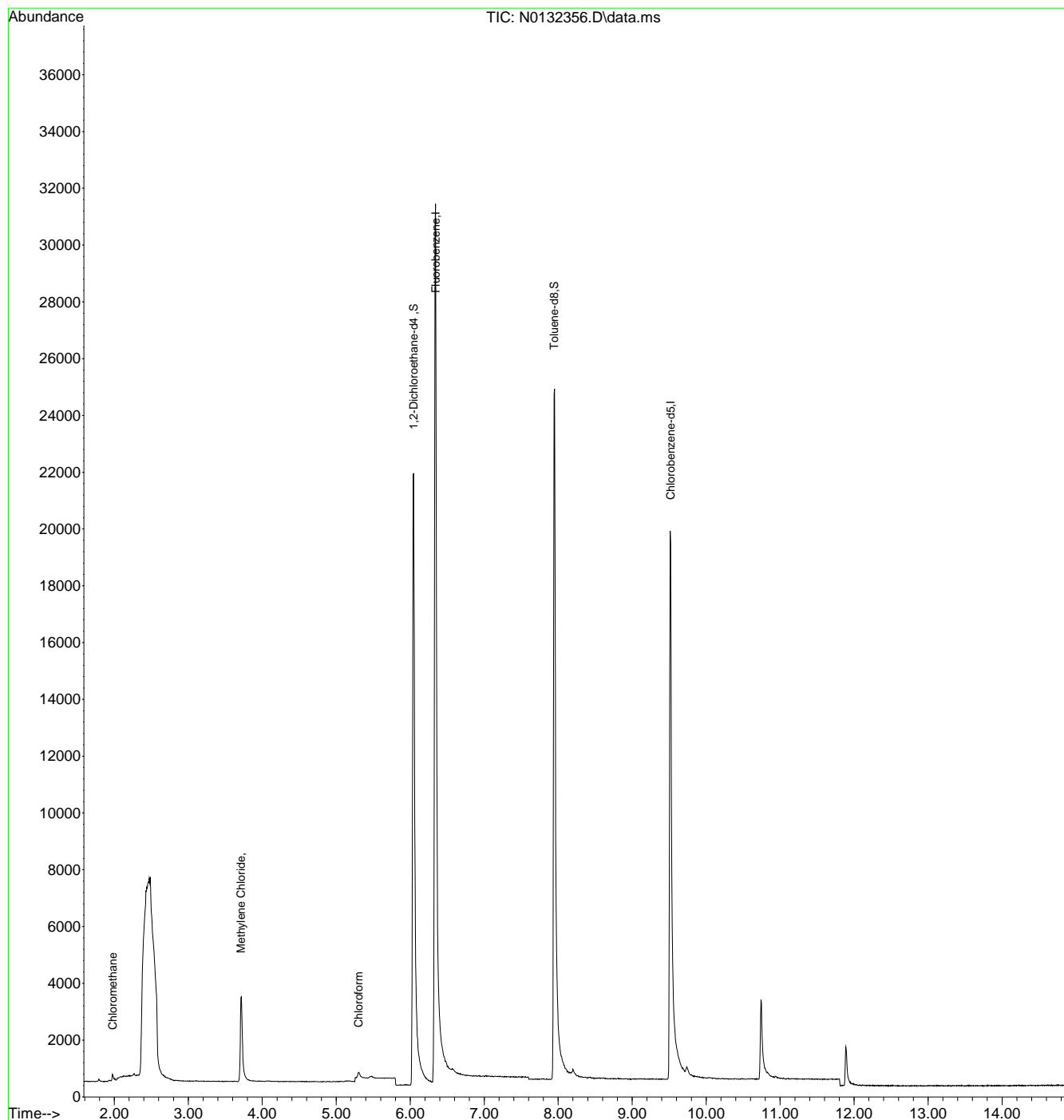
7.1.18
7



Quantitation Report (QT Reviewed)

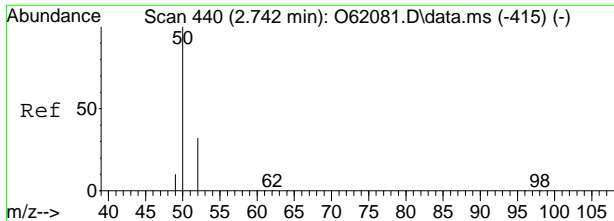
Data Path : C:\msdchem\1\data\08-29-24\
 Data File : N0132356.D
 Acq On : 29 Aug 2024 12:18 pm
 Operator : jeniferw
 Sample : FC18261-18
 Misc : MS57382,VN6711,,,,,
 ALS Vial : 15 Sample Multiplier: 1

Quant Time: Aug 29 13:07:54 2024
 Quant Method : C:\msdchem\1\methods\SIMCL_VN6705_082024.M
 Quant Title : Standard Methods 6200B
 QLast Update : Tue Aug 20 14:01:28 2024
 Response via : Initial Calibration



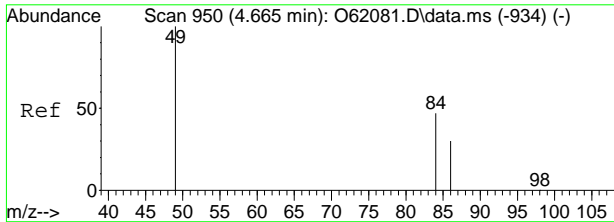
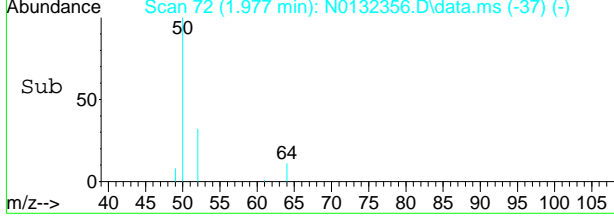
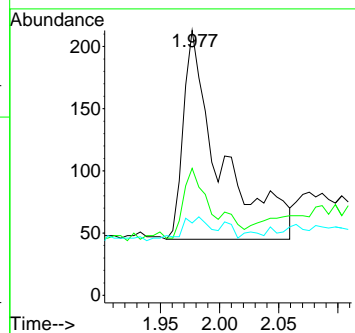
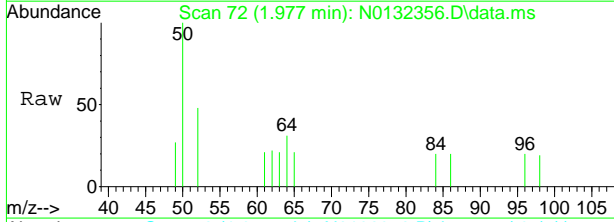
7.1.18
7





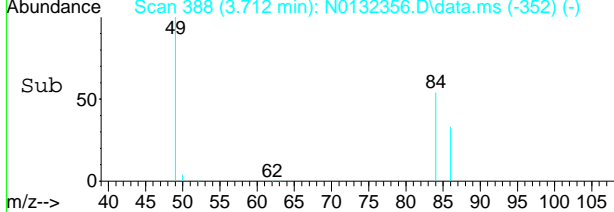
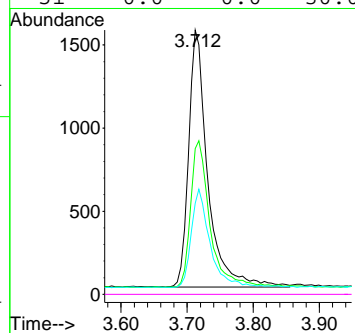
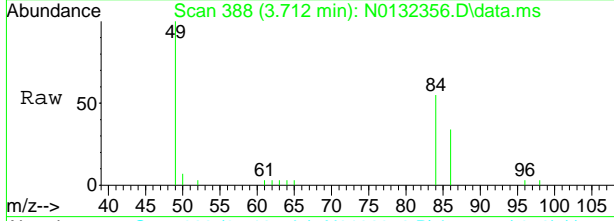
#3
 Chloromethane
 Concen: 0.29 ug/L
 RT: 1.977 min Scan# 72
 Delta R.T. -0.005 min
 Lab File: N0132356.D
 Acq: 29 Aug 2024 12:18 pm

Tgt Ion	Ratio	Lower	Upper
50	100		
52	33.3	2.1	62.1
49	6.0	0.0	39.6

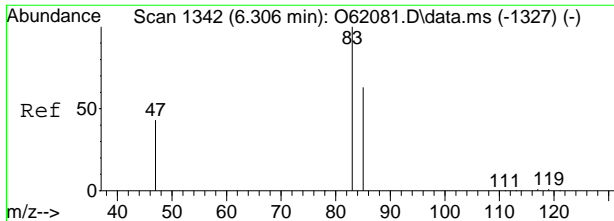


#5
 Methylene Chloride
 Concen: 1.62 ug/L
 RT: 3.712 min Scan# 388
 Delta R.T. 0.000 min
 Lab File: N0132356.D
 Acq: 29 Aug 2024 12:18 pm

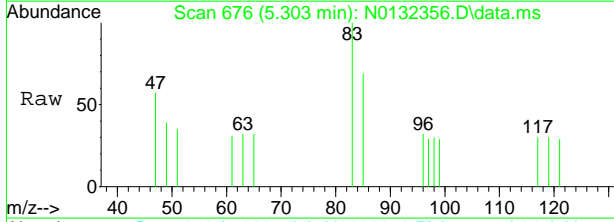
Tgt Ion	Ratio	Lower	Upper
49	100		
84	53.8	20.0	80.0
86	32.6	0.4	60.4
51	0.0	0.0	30.0



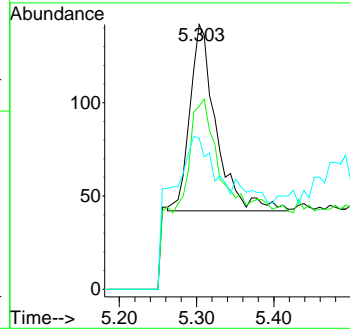
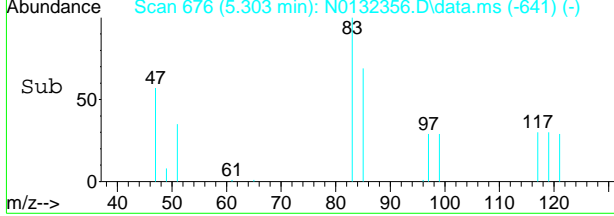
7.1.18
7



#9
 Chloroform
 Concen: 0.15 ug/L m
 RT: 5.303 min Scan# 676
 Delta R.T. 0.000 min
 Lab File: N0132356.D
 Acq: 29 Aug 2024 12:18 pm



Tgt Ion	Ratio	Lower	Upper
83	100		
85	69.0	36.3	96.3
47	57.0	2.6	62.6



7.1.18
7

Manual Integration Approval Summary

Sample Number: FC18261-18 **Method:** SW846 8260D BY SIM
Lab FileID: N0132356.D **Analyst approved:** 08/30/24 12:06 Jenifer Willis
Injection Time: 08/29/24 12:18 **Supervisor approved:** 08/30/24 13:19 Karen Watson

Parameter	CAS	Sig#	R.T. (min.)	Reason
Chloroform	67-66-3		5.30	Poorly defined baseline

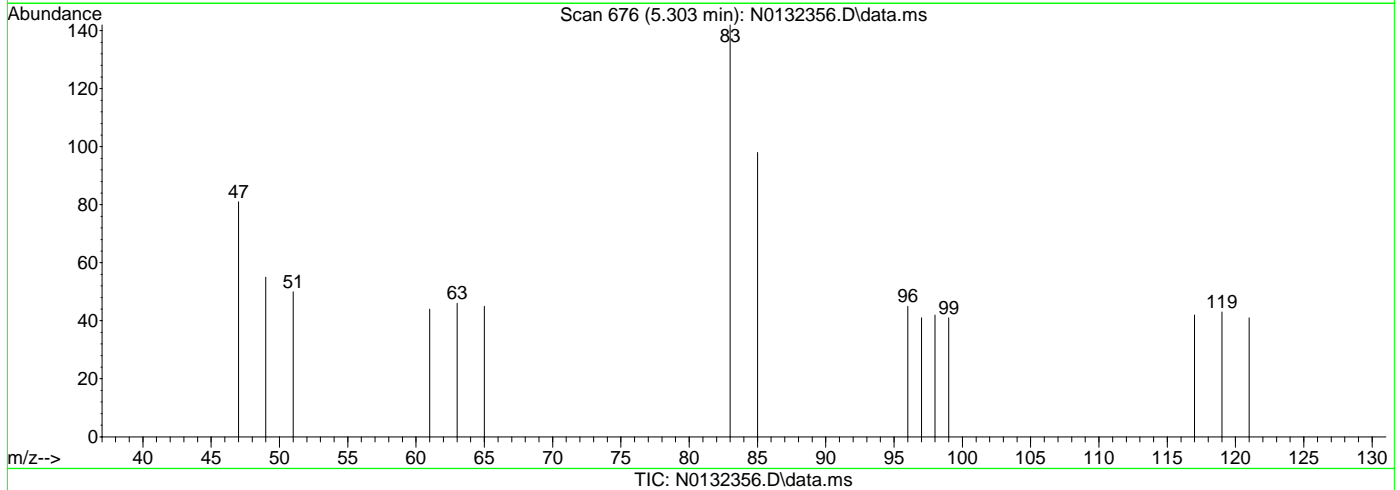
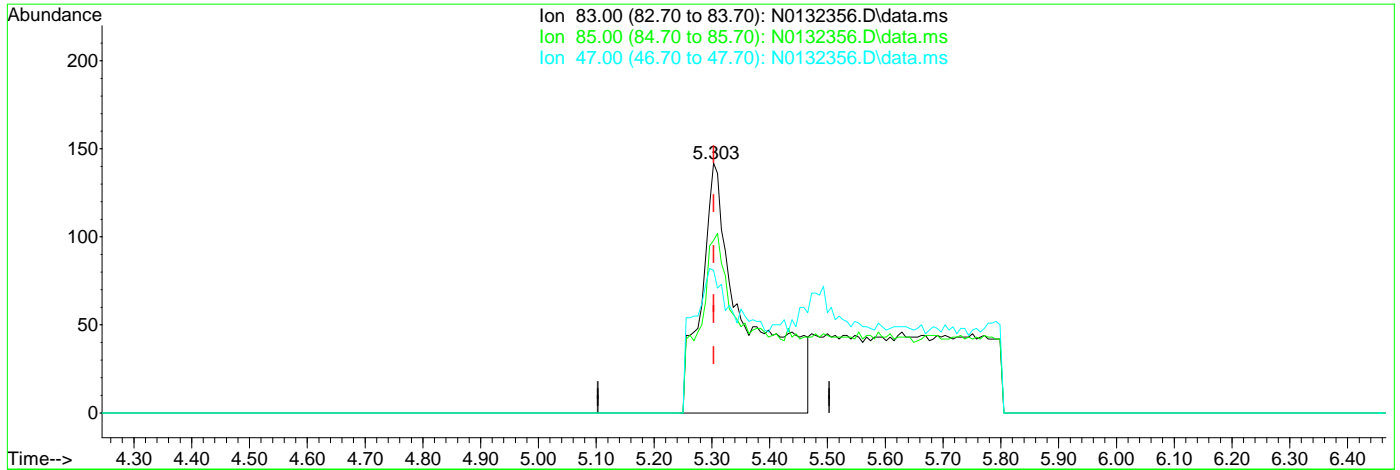
7.1.18.1

7

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\08-29-24\
 Data File : N0132356.D
 Acq On : 29 Aug 2024 12:18 pm
 Operator : jeniferw
 Sample : FC18261-18
 Misc : MS57382,VN6711,,,,,
 ALS Vial : 15 Sample Multiplier: 1

Quant Time: Aug 29 13:07:37 2024
 Quant Method : C:\msdchem\1\methods\SIMCL_VN6705_082024.M
 Quant Title : Standard Methods 6200B
 QLast Update : Tue Aug 20 14:01:28 2024
 Response via : Initial Calibration



(9) Chloroform

5.303min (+0.000) 0.49ug/L

response 782

Ion	Exp%	Act%
83.00	100	100
85.00	66.30	69.01
47.00	32.60	57.04
0.00	0.00	0.00

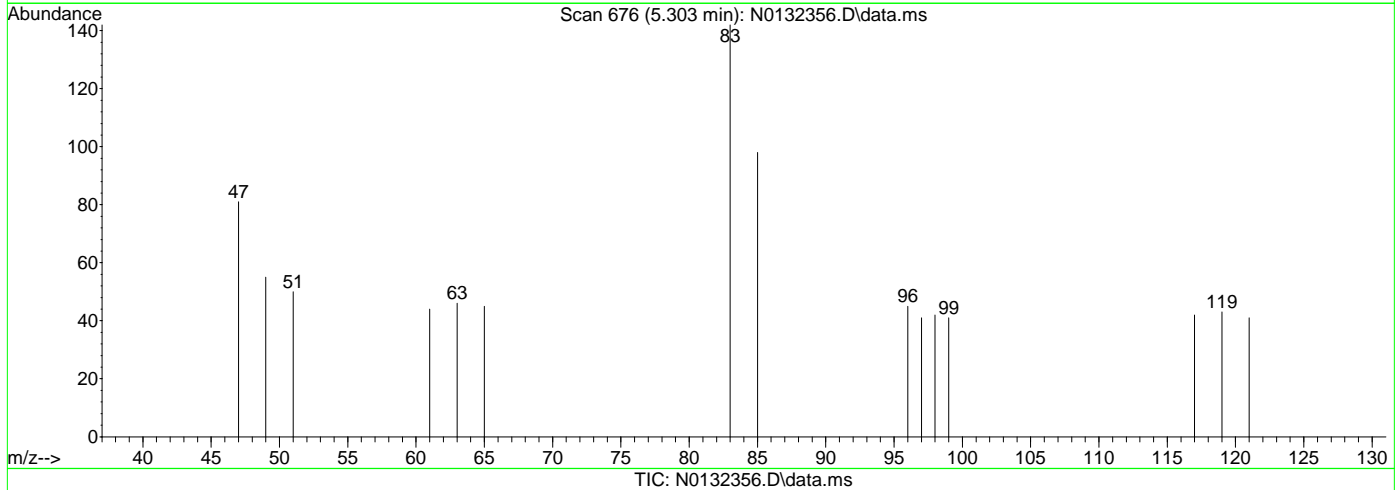
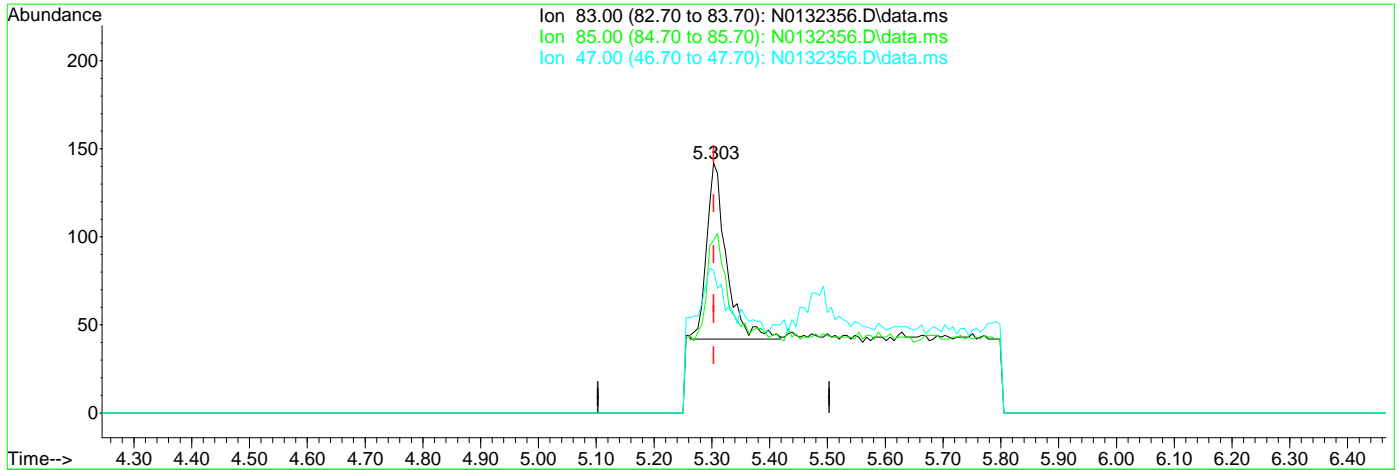
7.1.18.2

7

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\08-29-24\
 Data File : N0132356.D
 Acq On : 29 Aug 2024 12:18 pm
 Operator : jeniferw
 Sample : FC18261-18
 Misc : MS57382,VN6711,,,,,
 ALS Vial : 15 Sample Multiplier: 1

Quant Time: Aug 29 13:07:37 2024
 Quant Method : C:\msdchem\1\methods\SIMCL_VN6705_082024.M
 Quant Title : Standard Methods 6200B
 QLast Update : Tue Aug 20 14:01:28 2024
 Response via : Initial Calibration



(9) Chloroform
 5.303min (+0.000) 0.15ug/L m

response 236

Ion	Exp%	Act%
83.00	100	100
85.00	66.30	69.01
47.00	32.60	57.04
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\082624\
 Data File : Z76597.D
 Acq On : 26 Aug 2024 6:08 pm
 Operator : claudias
 Sample : FC18261-18 Inst : MSVOA15-Z
 Misc : MS57364,VZ3083,,,,,
 ALS Vial : 24 Sample Multiplier: 1

Quant Time: Aug 27 06:38:11 2024
 Quant Method : C:\msdchem\1\methods\SIMCL-08-26-2024.M
 Quant Title : Standard Methods 6200B
 QLast Update : Mon Aug 26 13:08:06 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	Qvalue

Internal Standards							
1) Fluorobenzene	7.895	96	17881	5.00	ug/L	0.00	
18) Chlorobenzene-d5	10.980	117	21186	5.00	ug/L	0.00	
System Monitoring Compounds							
13) 1,2-Dichloroethane-d4	7.628	65	9199	6.00	ug/L	0.00	
Spiked Amount	5.000	Range 74 - 125	Recovery	=	120.00%		
19) Toluene-d8	9.428	98	17758	5.17	ug/L	0.00	
Spiked Amount	5.000	Range 88 - 111	Recovery	=	103.40%		
Target Compounds							
5) Methylene Chloride	5.213	49	195	0.05	ug/L		89
9) Chloroform	6.883	83	541m	0.13	ug/L		
10) Carbon Tetrachloride	7.051	117	198m	0.07	ug/L		

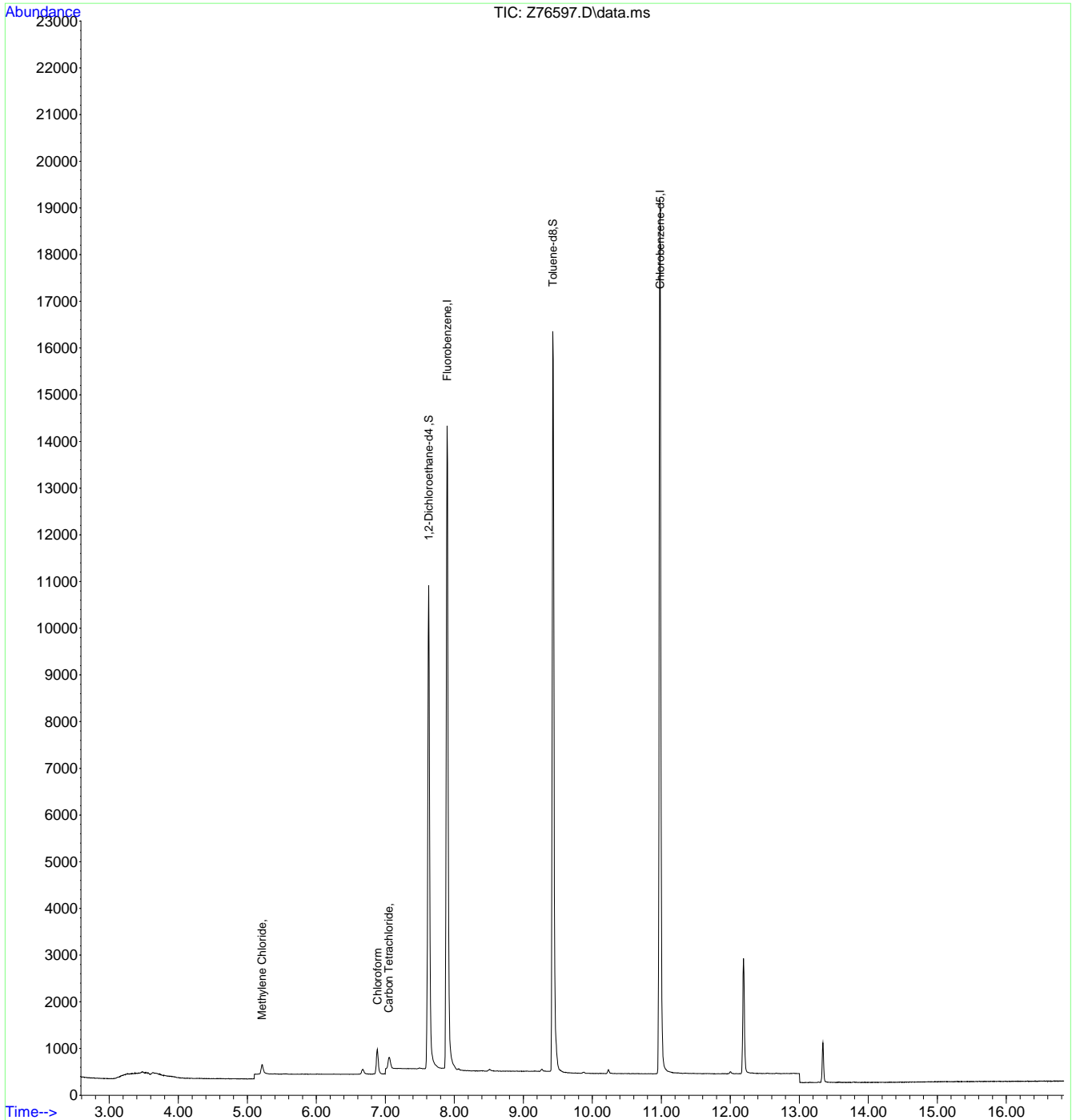
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\082624\
Data File : Z76597.D
Acq On : 26 Aug 2024 6:08 pm
Operator : claudias
Sample : FC18261-18
Misc : MS57364,VZ3083,,,,,
ALS Vial : 24 Sample Multiplier: 1

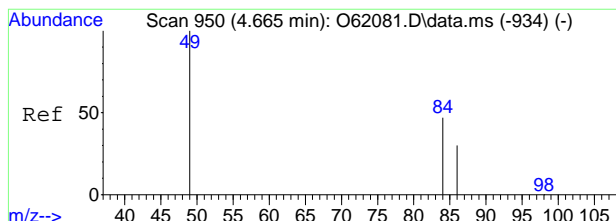
Inst : MSVOA15-Z

Quant Time: Aug 27 06:38:11 2024
Quant Method : C:\msdchem\1\methods\SIMCL-08-26-2024.M
Quant Title : Standard Methods 6200B
QLast Update : Mon Aug 26 13:08:06 2024
Response via : Initial Calibration



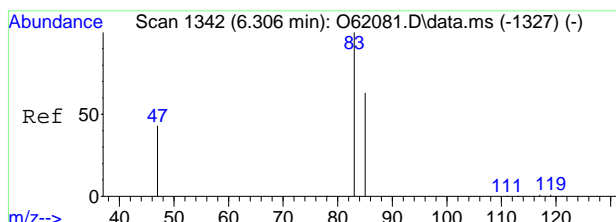
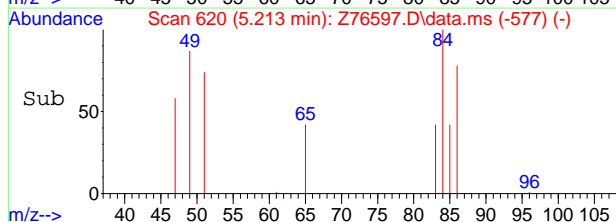
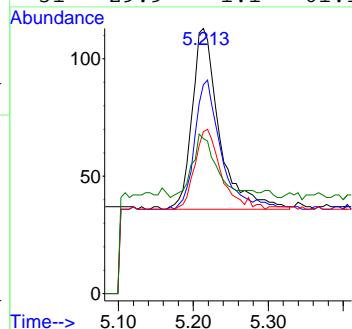
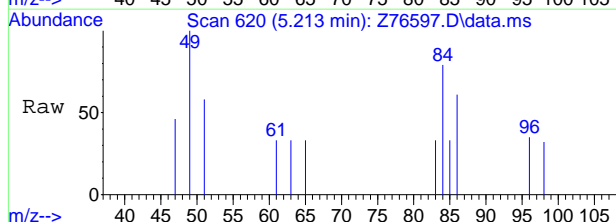
7.1.19
7





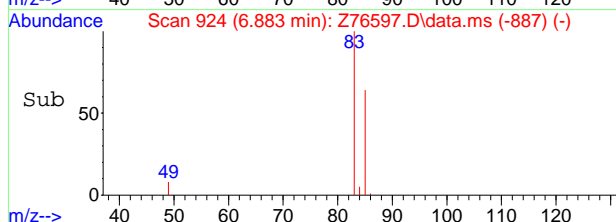
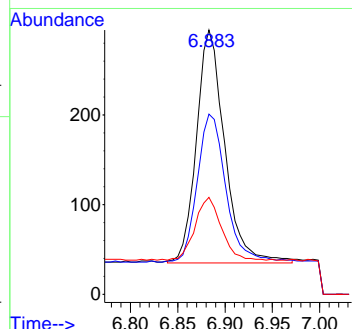
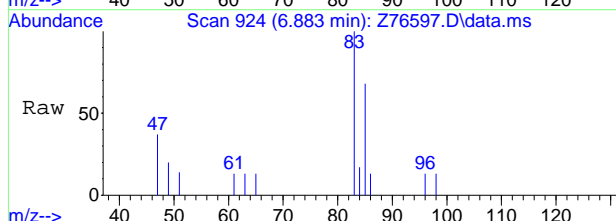
#5
 Methylene Chloride
 Concen: 0.05 ug/L
 RT: 5.213 min Scan# 620
 Delta R.T. 0.005 min
 Lab File: Z76597.D
 Acq: 26 Aug 2024 6:08 pm

Tgt Ion	Ratio	Lower	Upper
49	100		
84	68.8	49.7	109.7
86	42.9	22.0	82.0
51	29.9	1.1	61.1

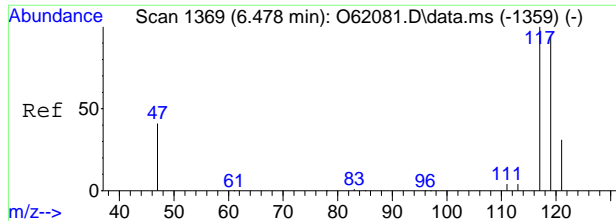


#9
 Chloroform
 Concen: 0.13 ug/L m
 RT: 6.883 min Scan# 924
 Delta R.T. 0.005 min
 Lab File: Z76597.D
 Acq: 26 Aug 2024 6:08 pm

Tgt Ion	Ratio	Lower	Upper
83	100		
85	68.1	35.9	95.9
47	36.6	0.0	51.0

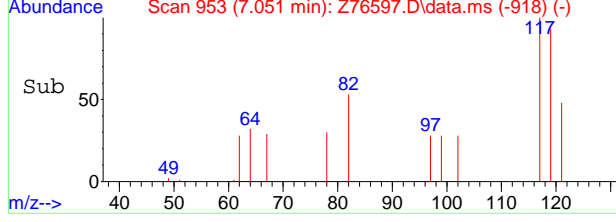
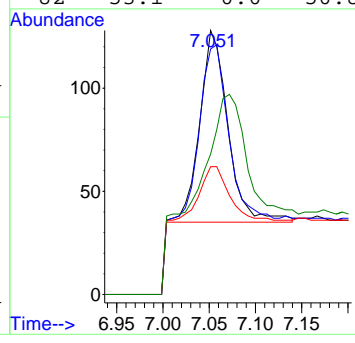
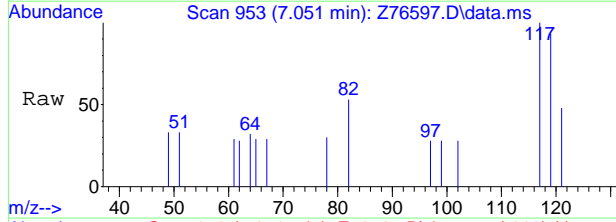


7.1.19
7



#10
 Carbon Tetrachloride
 Concen: 0.07 ug/L m
 RT: 7.051 min Scan# 953
 Delta R.T. 0.000 min
 Lab File: Z76597.D
 Acq: 26 Aug 2024 6:08 pm

Tgt Ion	Ratio	Lower	Upper
117	100		
119	93.0	66.2	126.2
121	48.4	1.2	61.2
82	53.1	0.0	50.8#



7.1.19
7

Manual Integration Approval Summary

Sample Number: FC18261-18 **Method:** SW846 8260D BY SIM
Lab FileID: Z76597.D **Analyst approved:** 08/27/24 07:49 Claudia Sosa
Injection Time: 08/26/24 18:08 **Supervisor approved:** 08/30/24 13:19 Karen Watson

Parameter	CAS	Sig#	R.T. (min.)	Reason
Chloroform	67-66-3		6.88	Poor instrument integration
Carbon Tetrachloride	56-23-5		7.05	Poor instrument integration

7.1.19.1

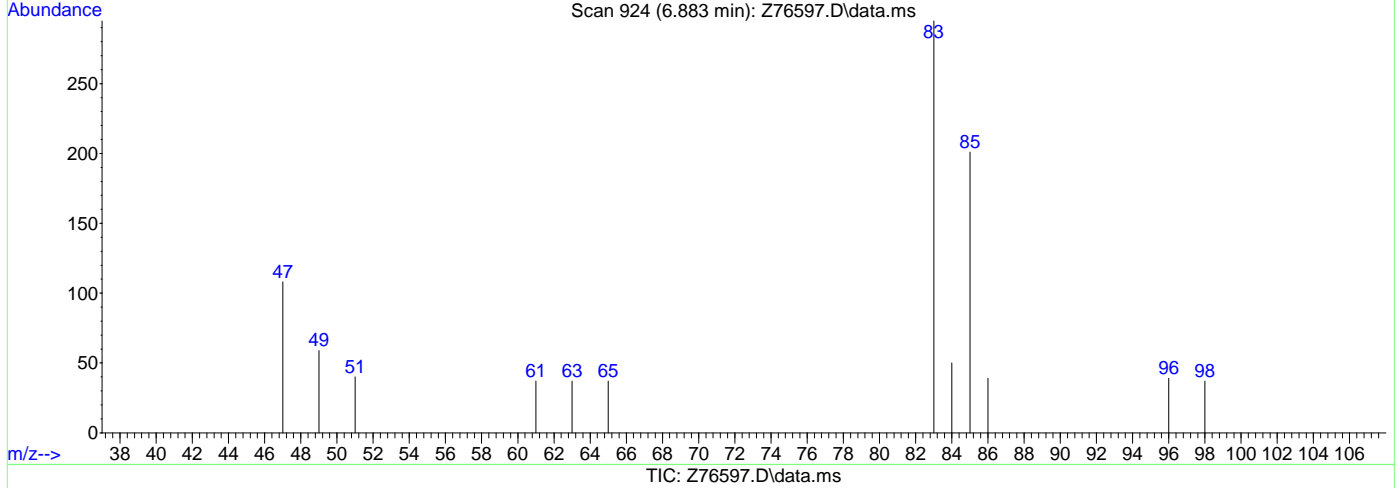
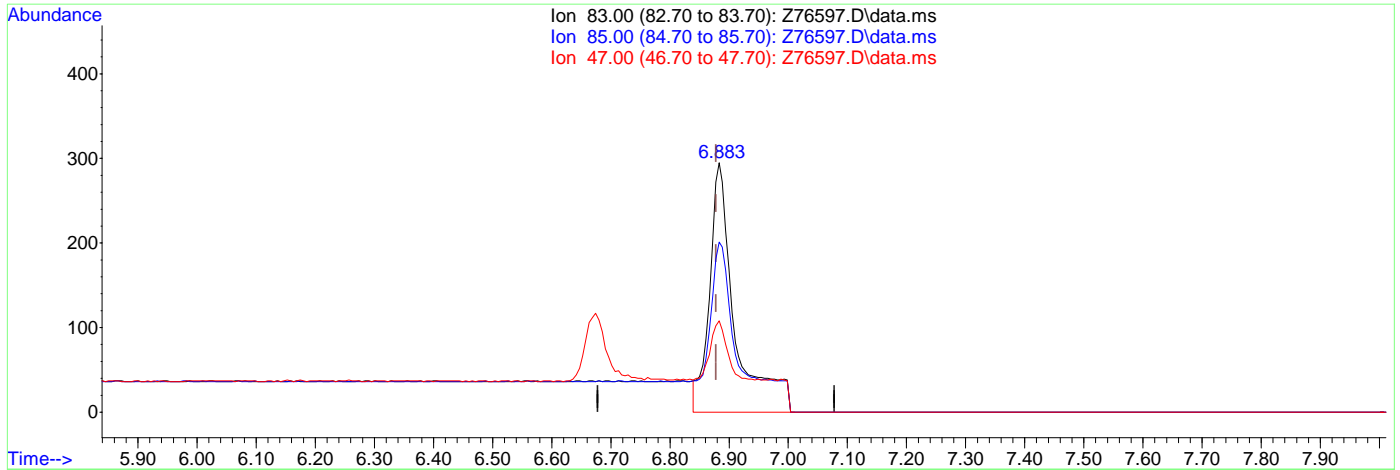
7

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\082624\
 Data File : Z76597.D
 Acq On : 26 Aug 2024 6:08 pm
 Operator : claudias
 Sample : FC18261-18
 Misc : MS57344,VZ3083,,,,,
 ALS Vial : 24 Sample Multiplier: 1

Inst : MSVOA15-Z

Quant Time: Aug 27 06:13:35 2024
 Quant Method : C:\msdchem\1\methods\SIMCL-08-26-2024.M
 Quant Title : Standard Methods 6200B
 QLast Update : Mon Aug 26 13:08:06 2024
 Response via : Initial Calibration



(9) Chloroform

6.883min (+0.005) 0.21ug/L

response 888

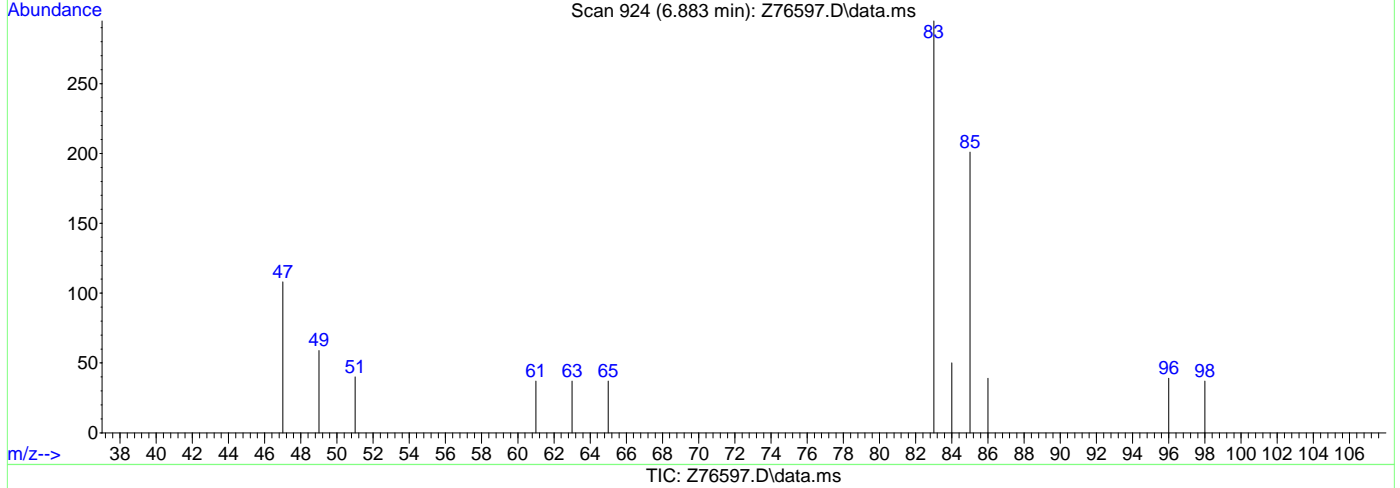
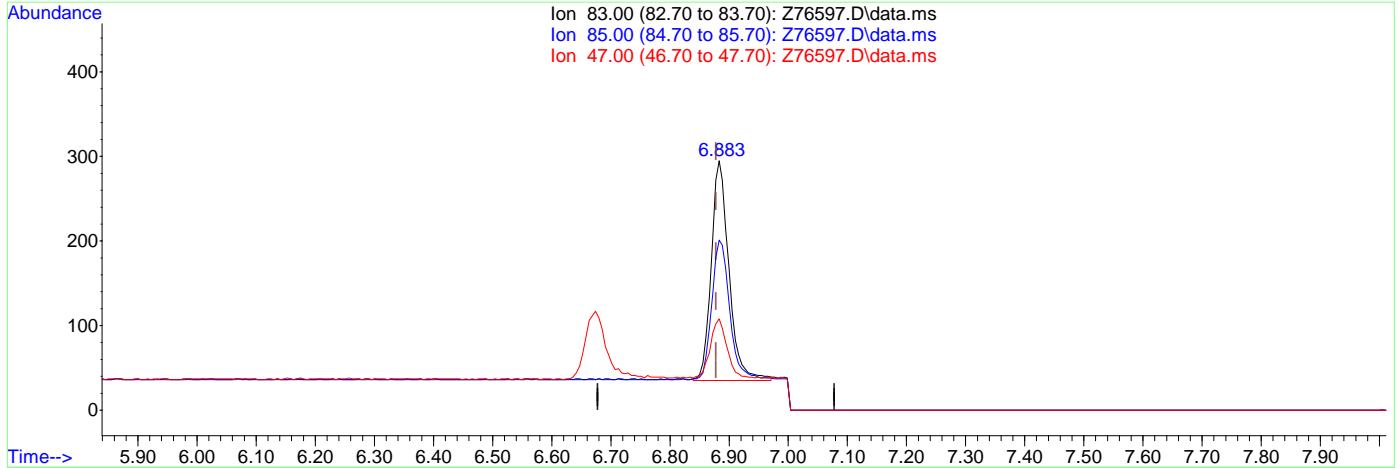
Ion	Exp%	Act%
83.00	100	100
85.00	65.90	68.14
47.00	21.00	36.61
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\082624\
 Data File : Z76597.D
 Acq On : 26 Aug 2024 6:08 pm
 Operator : claudias
 Sample : FC18261-18
 Misc : MS57344,VZ3083,,,,,
 ALS Vial : 24 Sample Multiplier: 1

Inst : MSVOA15-Z

Quant Time: Aug 27 06:13:35 2024
 Quant Method : C:\msdchem\1\methods\SIMCL-08-26-2024.M
 Quant Title : Standard Methods 6200B
 QLast Update : Mon Aug 26 13:08:06 2024
 Response via : Initial Calibration



(9) Chloroform

6.883min (+0.005) 0.13ug/L m

response 541

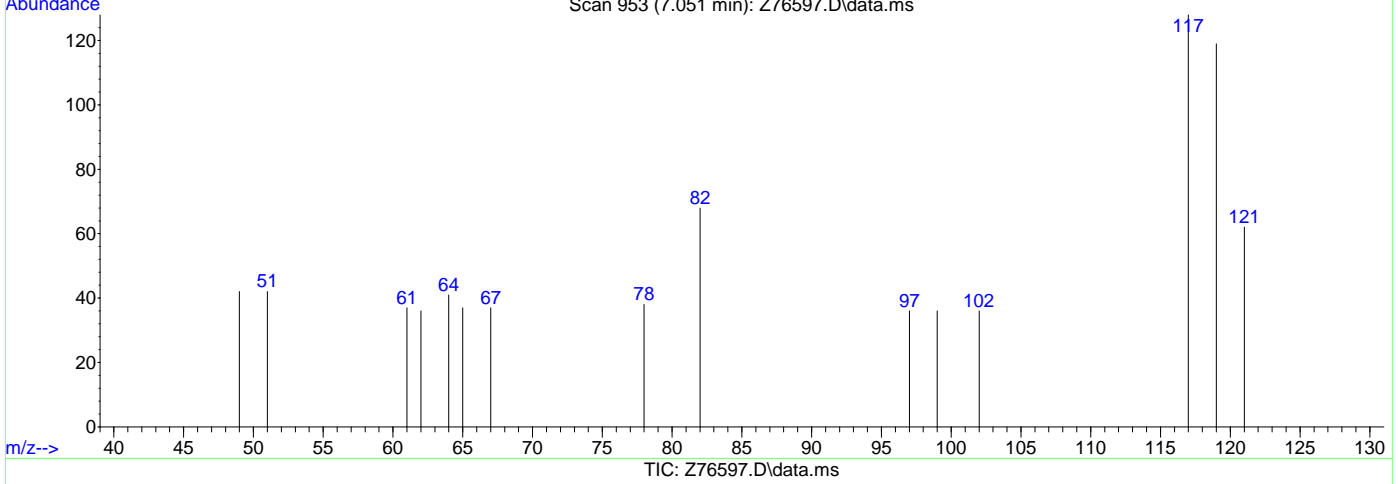
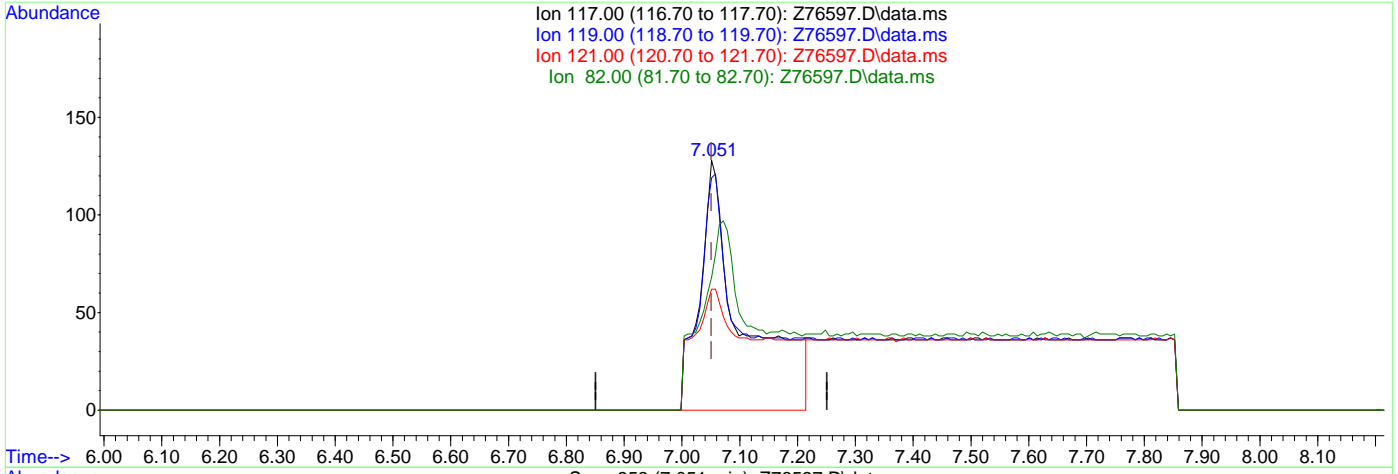
Ion	Exp%	Act%
83.00	100	100
85.00	65.90	68.14
47.00	21.00	36.61
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\082624\
 Data File : Z76597.D
 Acq On : 26 Aug 2024 6:08 pm
 Operator : claudias
 Sample : FC18261-18
 Misc : MS57344,VZ3083,,,,,
 ALS Vial : 24 Sample Multiplier: 1

Inst : MSVOA15-Z

Quant Time: Aug 27 06:13:35 2024
 Quant Method : C:\msdchem\1\methods\SIMCL-08-26-2024.M
 Quant Title : Standard Methods 6200B
 QLast Update : Mon Aug 26 13:08:06 2024
 Response via : Initial Calibration



(10) Carbon Tetrachloride ()

7.051min (+0.000) 0.23ug/L

response 654

Ion	Exp%	Act%
117.00	100	100
119.00	96.20	92.97
121.00	31.20	48.44
82.00	20.80	53.13#

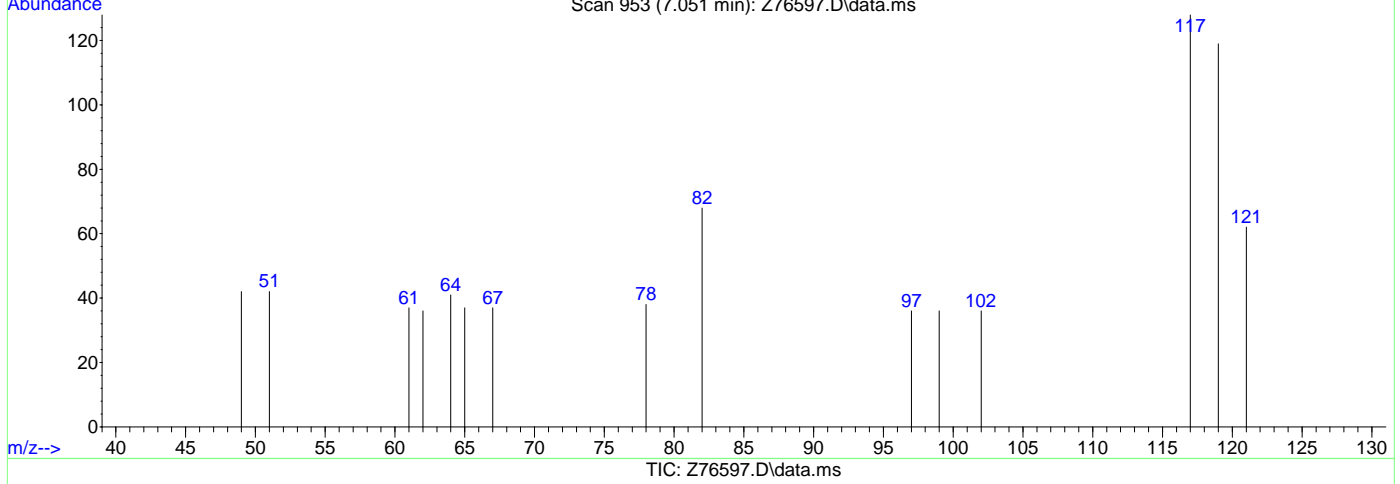
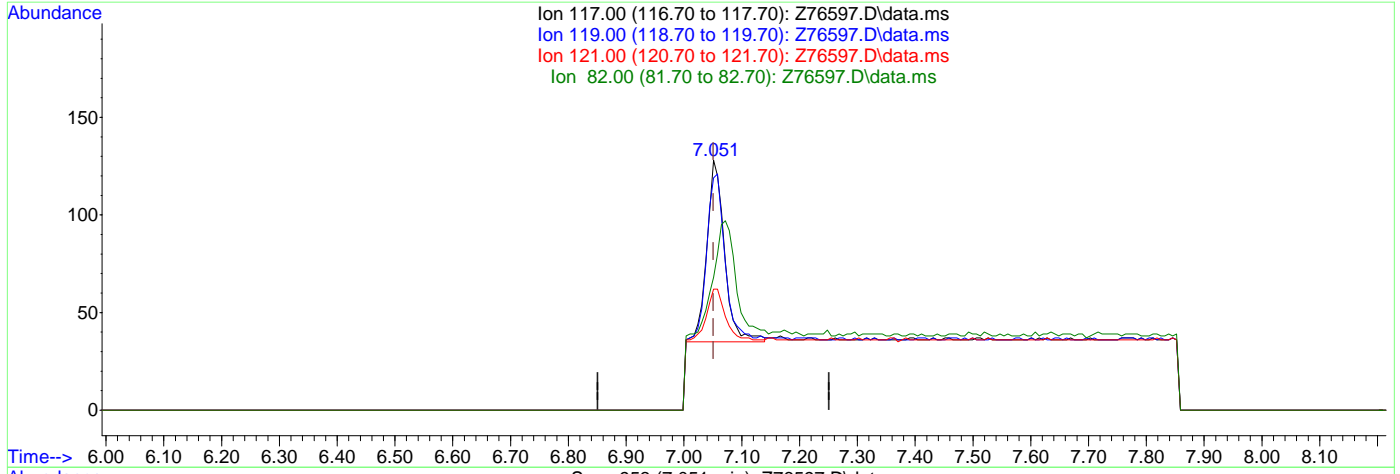
7.1.19.4
7

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\082624\
 Data File : Z76597.D
 Acq On : 26 Aug 2024 6:08 pm
 Operator : claudias
 Sample : FC18261-18
 Misc : MS57344,VZ3083,,,,,
 ALS Vial : 24 Sample Multiplier: 1

Inst : MSVOA15-Z

Quant Time: Aug 27 06:13:35 2024
 Quant Method : C:\msdchem\1\methods\SIMCL-08-26-2024.M
 Quant Title : Standard Methods 6200B
 QLast Update : Mon Aug 26 13:08:06 2024
 Response via : Initial Calibration



(10) Carbon Tetrachloride ()

7.051min (+0.000) 0.07ug/L m

response 198

Ion	Exp%	Act%
117.00	100	100
119.00	96.20	92.97
121.00	31.20	48.44
82.00	20.80	53.13#

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\082624\
Data File : Z76589.D
Acq On : 26 Aug 2024 3:05 pm
Operator : claudias
Sample : FC18261-19 Inst : MSVOA15-Z
Misc : MS57364,VZ3083,,,,,
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Aug 27 06:43:20 2024
Quant Method : C:\msdchem\1\methods\SIMCL-08-26-2024.M
Quant Title : Standard Methods 6200B
QLast Update : Mon Aug 26 13:08:06 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Fluorobenzene	7.895	96	21112	5.00	ug/L	0.00
18) Chlorobenzene-d5	10.981	117	24520	5.00	ug/L	0.00
System Monitoring Compounds						
13) 1,2-Dichloroethane-d4	7.621	65	9235	5.10	ug/L	0.00
Spiked Amount	5.000	Range 74 - 125	Recovery	=	102.00%	
19) Toluene-d8	9.428	98	20941	5.26	ug/L	0.00
Spiked Amount	5.000	Range 88 - 111	Recovery	=	105.20%	
Target Compounds						
5) Methylene Chloride	5.208	49	279	0.06	ug/L	Qvalue 93

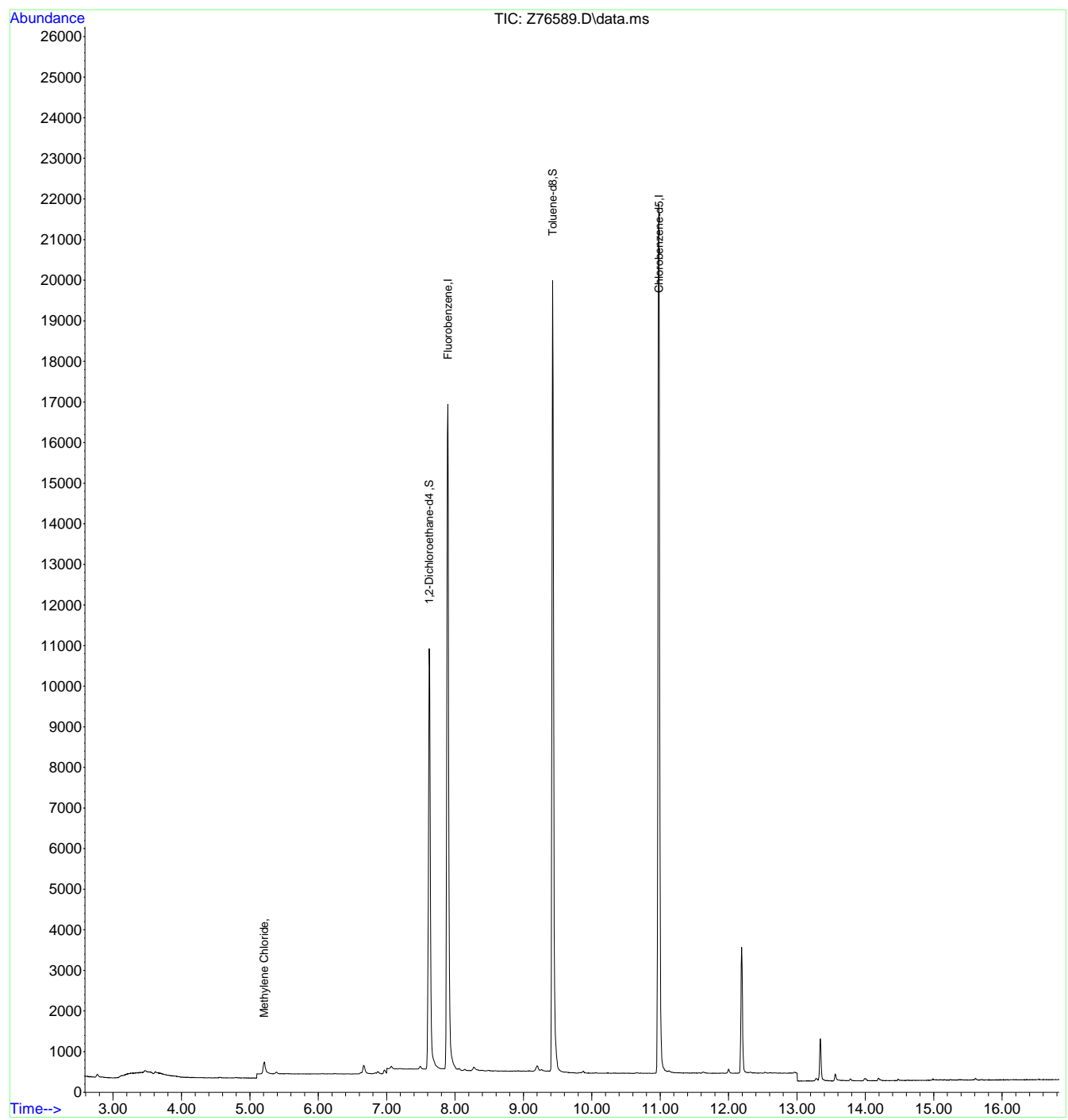
(#) = qualifier out of range (m) = manual integration (+) = signals summed

7.1.20
7

Quantitation Report (QT Reviewed)

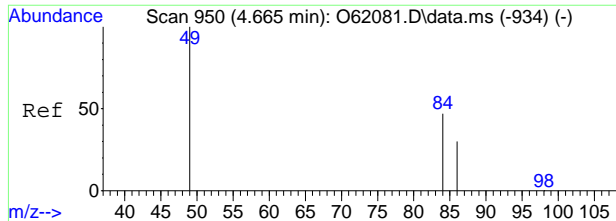
Data Path : C:\msdchem\1\data\082624\
Data File : Z76589.D
Acq On : 26 Aug 2024 3:05 pm
Operator : claudias
Sample : FC18261-19 Inst : MSVOA15-Z
Misc : MS57364,VZ3083,,,,,
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Aug 27 06:43:20 2024
Quant Method : C:\msdchem\1\methods\SIMCL-08-26-2024.M
Quant Title : Standard Methods 6200B
QLast Update : Mon Aug 26 13:08:06 2024
Response via : Initial Calibration



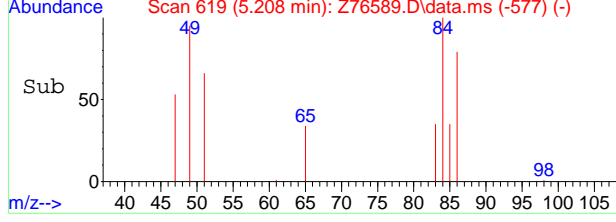
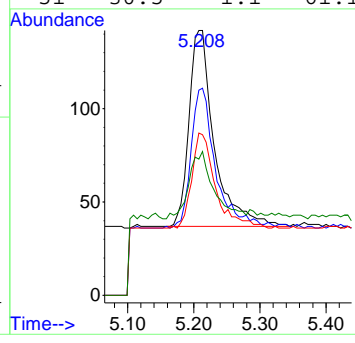
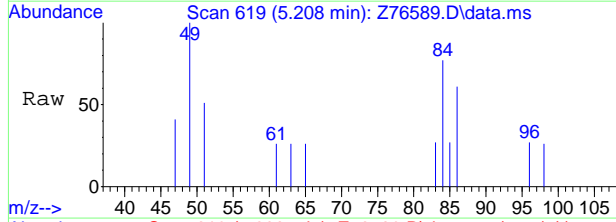
7.1.20
7





#5
 Methylene Chloride
 Concen: 0.06 ug/L
 RT: 5.208 min Scan# 619
 Delta R.T. -0.000 min
 Lab File: Z76589.D
 Acq: 26 Aug 2024 3:05 pm

Tgt Ion	Ratio	Lower	Upper
49	100		
84	69.5	49.7	109.7
86	48.6	22.0	82.0
51	30.5	1.1	61.1



7.1.20
7



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\082624\
Data File : Z76590.D
Acq On : 26 Aug 2024 3:28 pm
Operator : claudias
Sample : FC18261-20 Inst : MSVOA15-Z
Misc : MS57364,VZ3083,,,,,
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Aug 27 06:43:52 2024
Quant Method : C:\msdchem\1\methods\SIMCL-08-26-2024.M
Quant Title : Standard Methods 6200B
QLast Update : Mon Aug 26 13:08:06 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Fluorobenzene	7.894	96	20887	5.00	ug/L	0.00
18) Chlorobenzene-d5	10.980	117	24084	5.00	ug/L	0.00
System Monitoring Compounds						
13) 1,2-Dichloroethane-d4	7.628	65	9307	5.20	ug/L	0.00
Spiked Amount	5.000	Range 74 - 125	Recovery	=	104.00%	
19) Toluene-d8	9.428	98	20729	5.30	ug/L	0.00
Spiked Amount	5.000	Range 88 - 111	Recovery	=	106.00%	
Target Compounds						
5) Methylene Chloride	5.213	49	191	0.04	ug/L	Qvalue 89

(#) = qualifier out of range (m) = manual integration (+) = signals summed

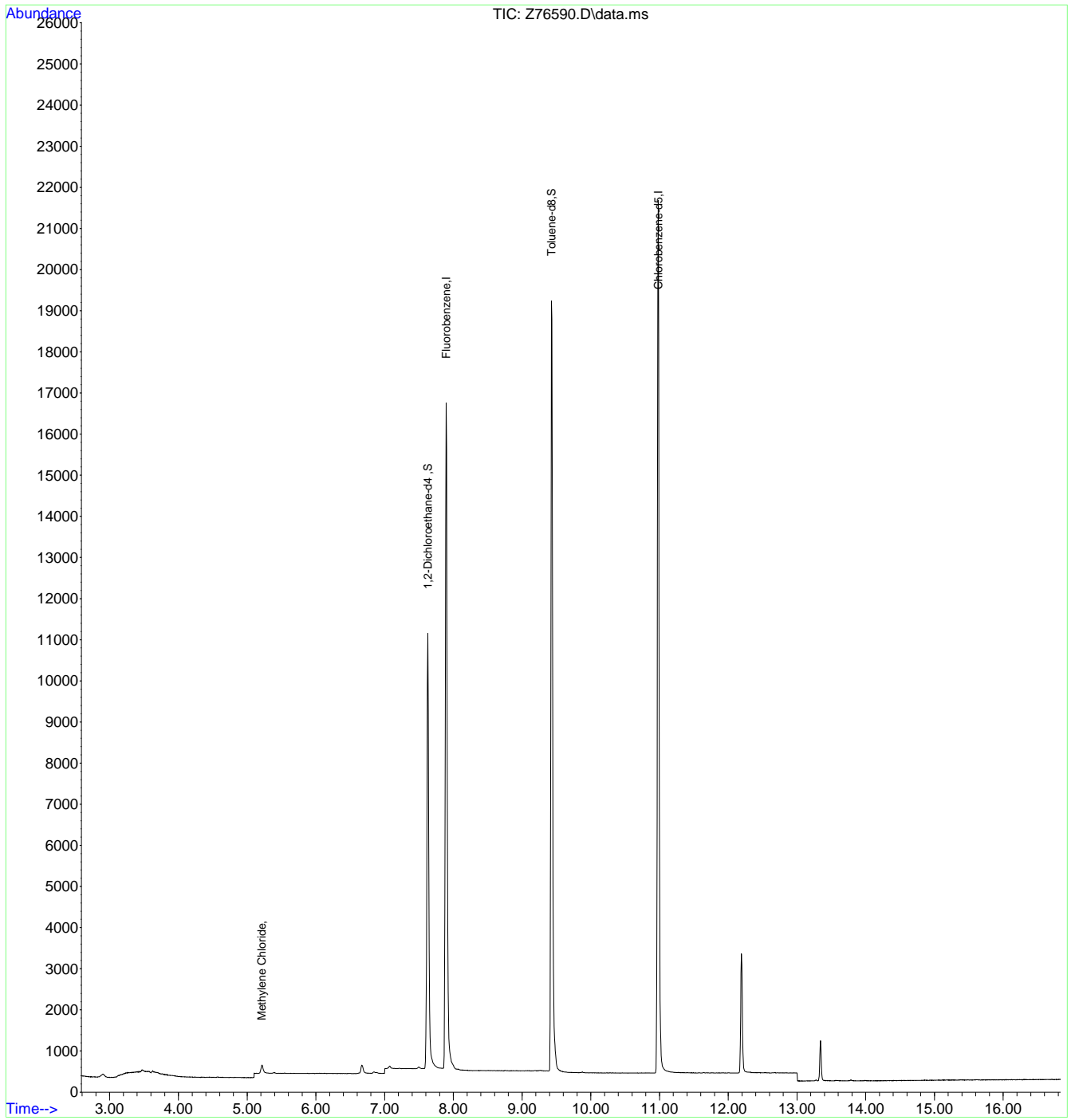
7.1.21
7

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\082624\
Data File : Z76590.D
Acq On : 26 Aug 2024 3:28 pm
Operator : claudias
Sample : FC18261-20
Misc : MS57364,VZ3083,,,,,
ALS Vial : 17 Sample Multiplier: 1

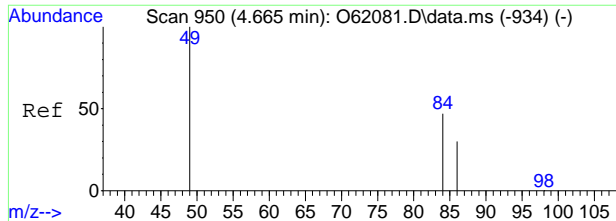
Inst : MSVOA15-Z

Quant Time: Aug 27 06:43:52 2024
Quant Method : C:\msdchem\1\methods\SIMCL-08-26-2024.M
Quant Title : Standard Methods 6200B
QLast Update : Mon Aug 26 13:08:06 2024
Response via : Initial Calibration



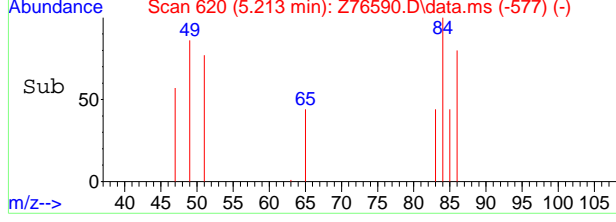
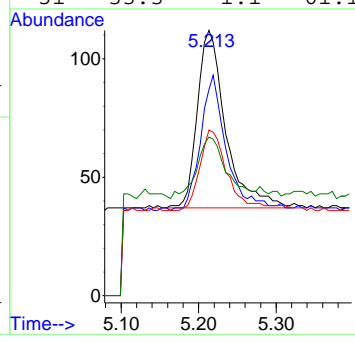
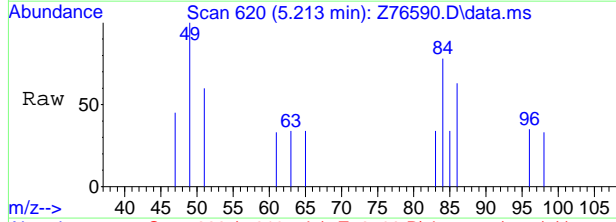
7.1.21
7





#5
 Methylene Chloride
 Concen: 0.04 ug/L
 RT: 5.213 min Scan# 620
 Delta R.T. 0.005 min
 Lab File: Z76590.D
 Acq: 26 Aug 2024 3:28 pm

Tgt Ion	Ratio	Lower	Upper
49	100		
84	66.7	49.7	109.7
86	45.3	22.0	82.0
51	33.3	1.1	61.1



7.1.21
7



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\082824\
Data File : Z76626.D
Acq On : 28 Aug 2024 6:24 pm
Operator : claudias
Sample : FC18261-21 Inst : MSVOA15-Z
Misc : MS57380,VZ3085,,,,,
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Aug 29 07:04:33 2024
Quant Method : C:\msdchem\1\methods\SIMCL-08-28-2024.M
Quant Title : Standard Methods 6200B
QLast Update : Wed Aug 28 11:30:23 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Fluorobenzene	7.895	96	19771	5.00	ug/L	0.00
18) Chlorobenzene-d5	10.980	117	21457	5.00	ug/L	0.00
System Monitoring Compounds						
13) 1,2-Dichloroethane-d4	7.628	65	6334	5.29	ug/L	0.00
Spiked Amount	5.000	Range 74 - 125	Recovery	=	105.80%	
19) Toluene-d8	9.428	98	23476	4.91	ug/L	0.00
Spiked Amount	5.000	Range 88 - 111	Recovery	=	98.20%	
Target Compounds						
5) Methylene Chloride	5.213	49	273	0.09	ug/L	Qvalue 95

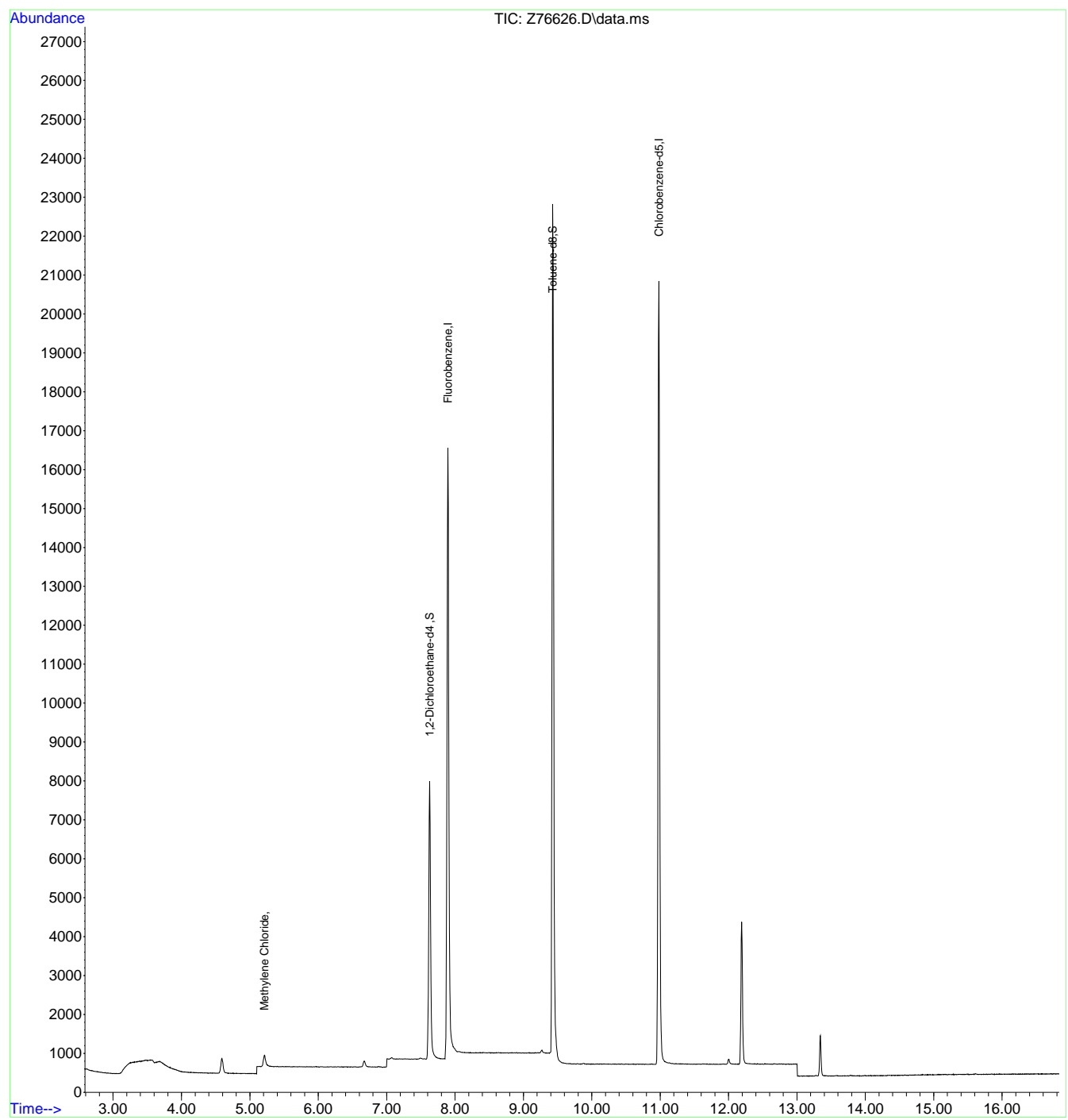
(#) = qualifier out of range (m) = manual integration (+) = signals summed

7.1.22
7

Quantitation Report (QT Reviewed)

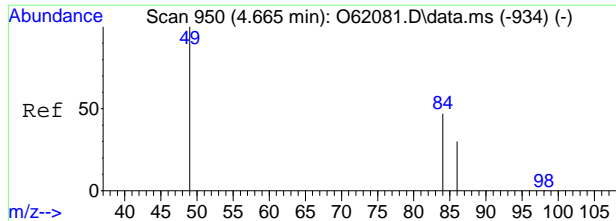
Data Path : C:\msdchem\1\data\082824\
Data File : Z76626.D
Acq On : 28 Aug 2024 6:24 pm
Operator : claudias
Sample : FC18261-21 Inst : MSVOA15-Z
Misc : MS57380,VZ3085,,,,,
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Aug 29 07:04:33 2024
Quant Method : C:\msdchem\1\methods\SIMCL-08-28-2024.M
Quant Title : Standard Methods 6200B
QLast Update : Wed Aug 28 11:30:23 2024
Response via : Initial Calibration



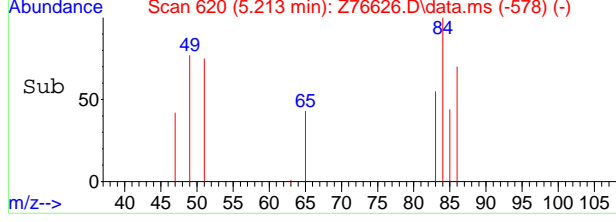
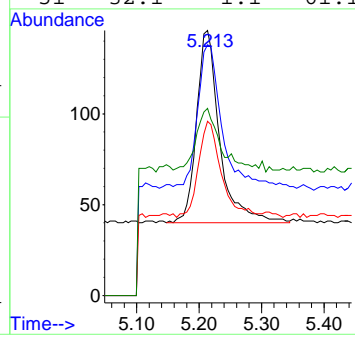
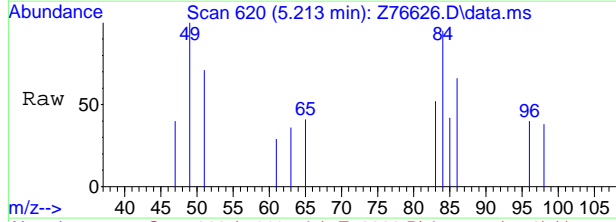
7.1.22
7





#5
 Methylene Chloride
 Concen: 0.09 ug/L
 RT: 5.213 min Scan# 620
 Delta R.T. 0.000 min
 Lab File: Z76626.D
 Acq: 28 Aug 2024 6:24 pm

Tgt Ion	Ratio	Lower	Upper
49	100		
84	73.6	49.7	109.7
86	49.1	22.0	82.0
51	32.1	1.1	61.1



7.1.22
7



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\082824\
Data File : Z76619.D
Acq On : 28 Aug 2024 3:42 pm
Operator : claudias
Sample : fc18261-22 Inst : MSVOA15-Z
Misc : MS57380,VZ3085,,,,,
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Aug 29 06:51:53 2024
Quant Method : C:\msdchem\1\methods\SIMCL-08-28-2024.M
Quant Title : Standard Methods 6200B
QLast Update : Wed Aug 28 11:30:23 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Fluorobenzene	7.895	96	19133	5.00	ug/L	0.00
18) Chlorobenzene-d5	10.980	117	20532	5.00	ug/L	0.00
System Monitoring Compounds						
13) 1,2-Dichloroethane-d4	7.628	65	6084	5.25	ug/L	0.00
Spiked Amount	5.000	Range 74 - 125	Recovery	=	105.00%	
19) Toluene-d8	9.428	98	22417	4.90	ug/L	0.00
Spiked Amount	5.000	Range 88 - 111	Recovery	=	98.00%	
Target Compounds						
5) Methylene Chloride	5.213	49	213	0.07	ug/L	Qvalue 94

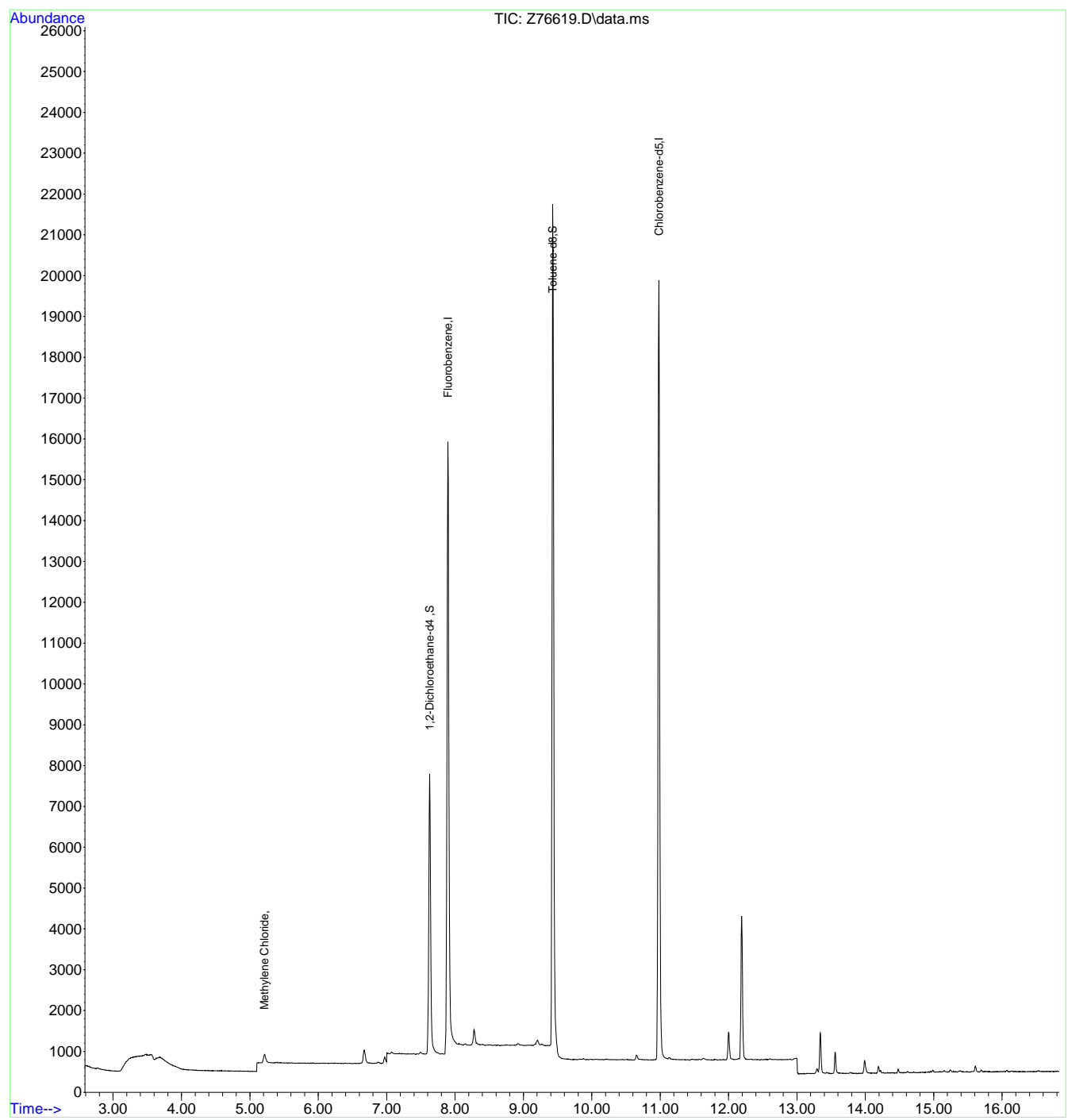
(#) = qualifier out of range (m) = manual integration (+) = signals summed

7.1.23
7

Quantitation Report (QT Reviewed)

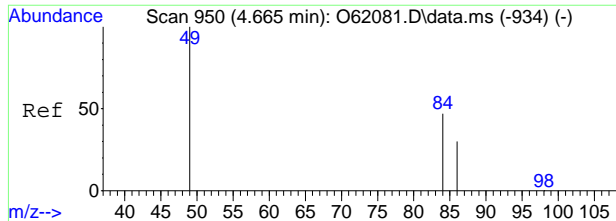
Data Path : C:\msdchem\1\data\082824\
Data File : Z76619.D
Acq On : 28 Aug 2024 3:42 pm
Operator : claudias
Sample : fc18261-22 Inst : MSVOA15-Z
Misc : MS57380,VZ3085,,,,,
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Aug 29 06:51:53 2024
Quant Method : C:\msdchem\1\methods\SIMCL-08-28-2024.M
Quant Title : Standard Methods 6200B
QLast Update : Wed Aug 28 11:30:23 2024
Response via : Initial Calibration



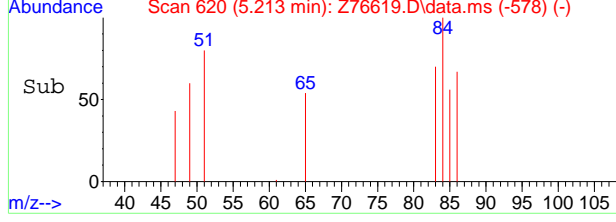
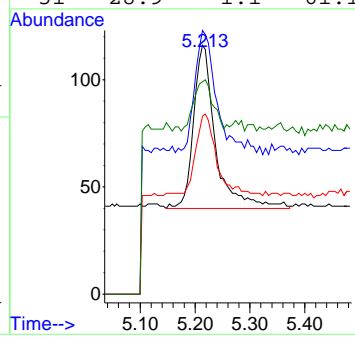
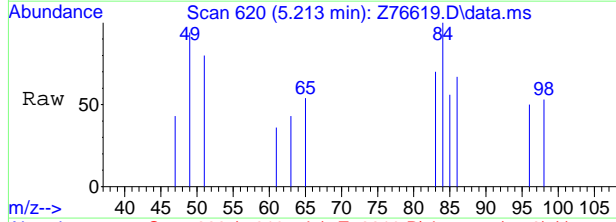
7.1.23
7





#5
 Methylene Chloride
 Concen: 0.07 ug/L
 RT: 5.213 min Scan# 620
 Delta R.T. 0.000 min
 Lab File: Z76619.D
 Acq: 28 Aug 2024 3:42 pm

Tgt Ion	Ratio	Lower	Upper
49	100		
84	73.7	49.7	109.7
86	47.4	22.0	82.0
51	28.9	1.1	61.1



7.1.23
7



Manual Integrations
APPROVED
(compounds with "m" flag)
Karen Watson
08/29/24 10:02

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\082824\
Data File : Z76627.D
Acq On : 28 Aug 2024 6:47 pm
Operator : claudias
Sample : FC18261-23 Inst : MSVOA15-Z
Misc : MS57380,VZ3085,,,,,
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Aug 29 07:10:03 2024
Quant Method : C:\msdchem\1\methods\SIMCL-08-28-2024.M
Quant Title : Standard Methods 6200B
QLast Update : Wed Aug 28 11:30:23 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	Qvalue

Internal Standards							
1) Fluorobenzene	7.895	96	19697	5.00	ug/L	0.00	
18) Chlorobenzene-d5	10.981	117	21281	5.00	ug/L	0.00	
System Monitoring Compounds							
13) 1,2-Dichloroethane-d4	7.628	65	6248	5.24	ug/L	0.00	
Spiked Amount	5.000	Range 74 - 125	Recovery	=	104.80%		
19) Toluene-d8	9.429	98	23220	4.89	ug/L	0.00	
Spiked Amount	5.000	Range 88 - 111	Recovery	=	97.80%		
Target Compounds							
2) Vinyl Chloride	3.184	62	938	0.45	ug/L	59	
3) Chloromethane	3.112	50	772	0.33	ug/L	88	
5) Methylene Chloride	5.208	49	387	0.13	ug/L	92	
9) Chloroform	6.883	83	234m	0.07	ug/L		
12) Benzene	7.493	78	292	0.05	ug/L	98	

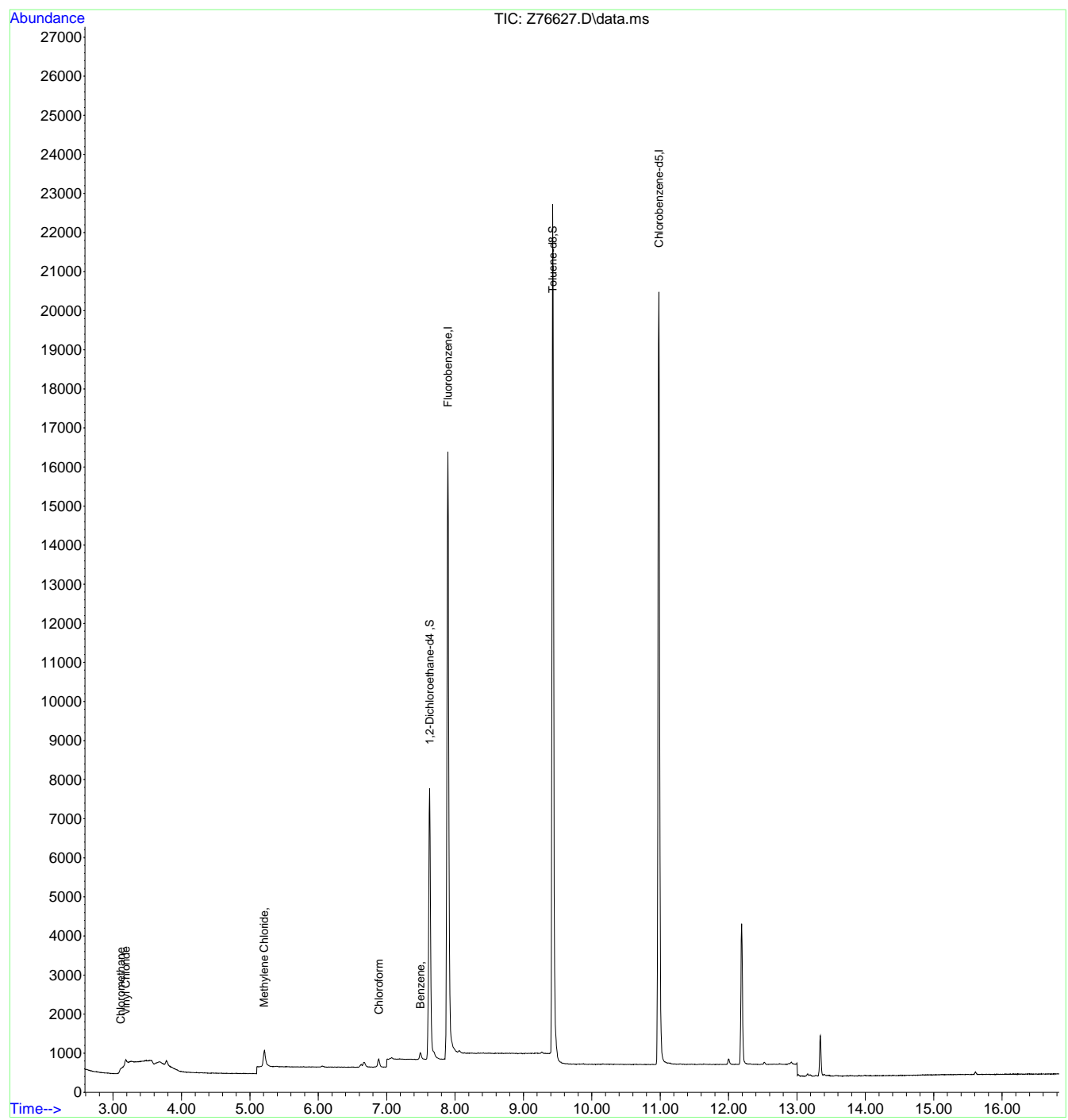
(#) = qualifier out of range (m) = manual integration (+) = signals summed

7.1.24
7

Quantitation Report (QT Reviewed)

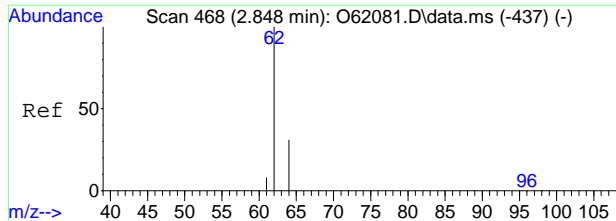
Data Path : C:\msdchem\1\data\082824\
Data File : Z76627.D
Acq On : 28 Aug 2024 6:47 pm
Operator : claudias
Sample : FC18261-23 Inst : MSVOA15-Z
Misc : MS57380,VZ3085,,,,,
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Aug 29 07:10:03 2024
Quant Method : C:\msdchem\1\methods\SIMCL-08-28-2024.M
Quant Title : Standard Methods 6200B
QLast Update : Wed Aug 28 11:30:23 2024
Response via : Initial Calibration



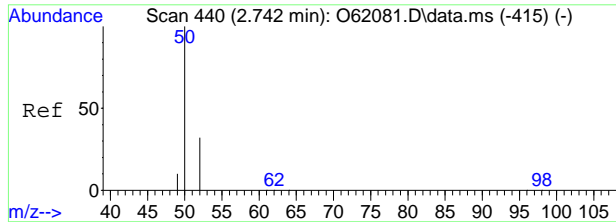
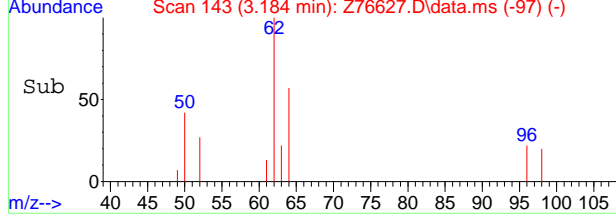
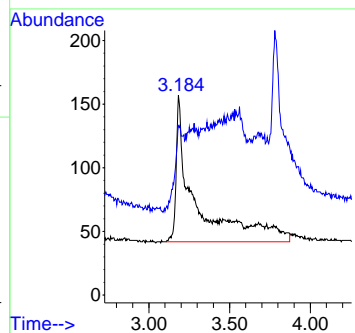
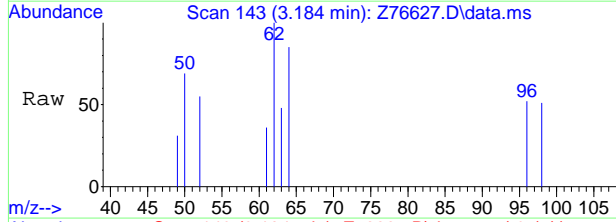
7.1.24
7





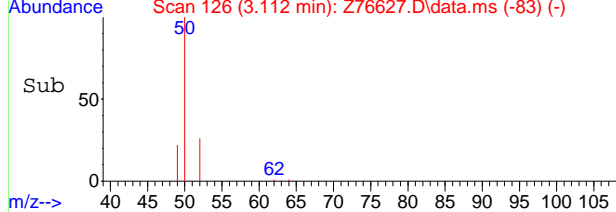
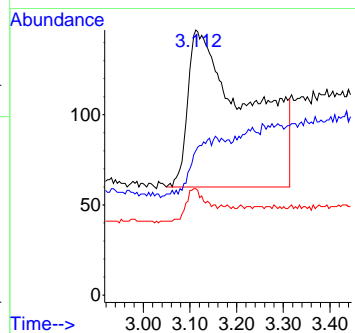
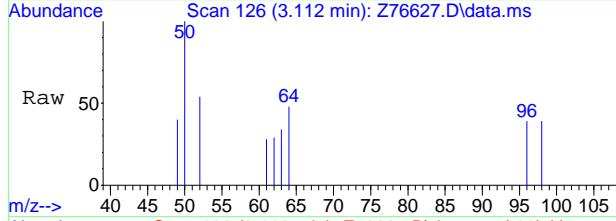
#2
 Vinyl Chloride
 Concen: 0.45 ug/L
 RT: 3.184 min Scan# 143
 Delta R.T. -0.008 min
 Lab File: Z76627.D
 Acq: 28 Aug 2024 6:47 pm

Tgt Ion	Ratio	Lower	Upper
62	100		
64	55.7	2.4	62.4



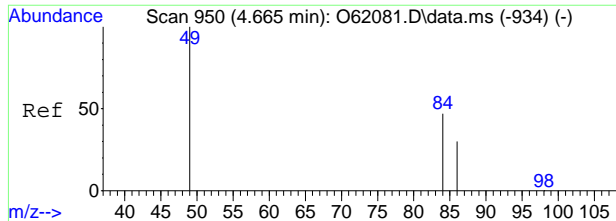
#3
 Chloromethane
 Concen: 0.33 ug/L
 RT: 3.112 min Scan# 126
 Delta R.T. -0.021 min
 Lab File: Z76627.D
 Acq: 28 Aug 2024 6:47 pm

Tgt Ion	Ratio	Lower	Upper
50	100		
52	27.6	2.1	62.1
49	20.7	0.0	41.2



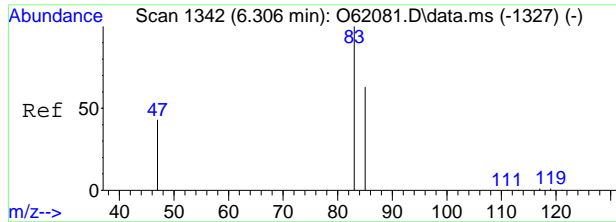
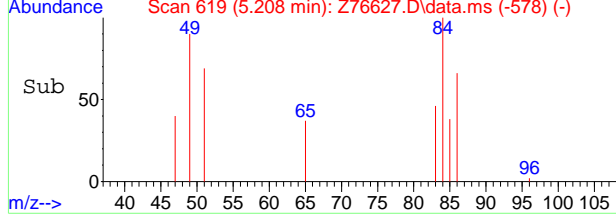
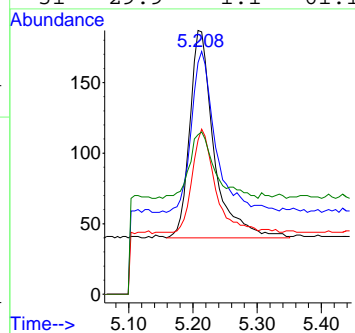
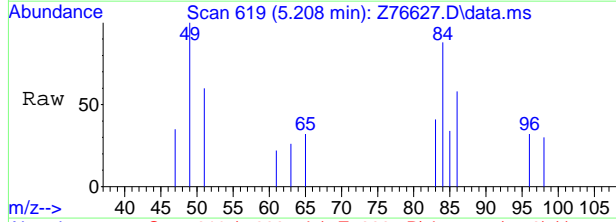
7.1.24
7





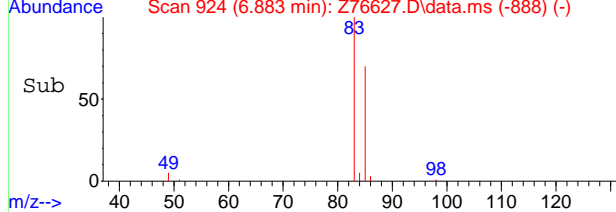
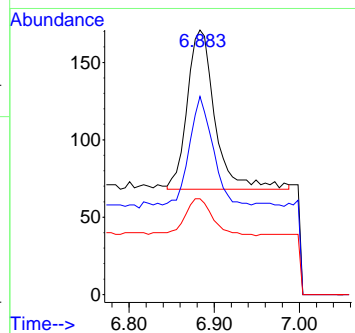
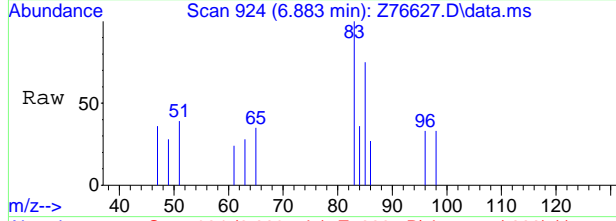
#5
 Methylene Chloride
 Concen: 0.13 ug/L
 RT: 5.208 min Scan# 619
 Delta R.T. -0.005 min
 Lab File: Z76627.D
 Acq: 28 Aug 2024 6:47 pm

Tgt Ion	Ratio	Lower	Upper
49	100		
84	72.1	49.7	109.7
86	44.2	22.0	82.0
51	29.9	1.1	61.1



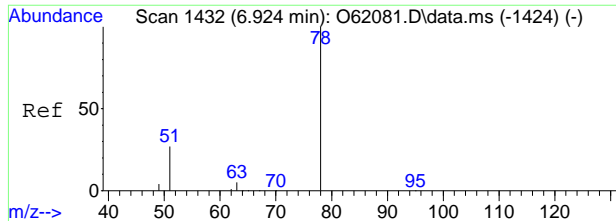
#9
 Chloroform
 Concen: 0.07 ug/L m
 RT: 6.883 min Scan# 924
 Delta R.T. 0.000 min
 Lab File: Z76627.D
 Acq: 28 Aug 2024 6:47 pm

Tgt Ion	Ratio	Lower	Upper
83	100		
85	74.9	35.9	95.9
47	36.3	0.0	51.0



7.1.24
7

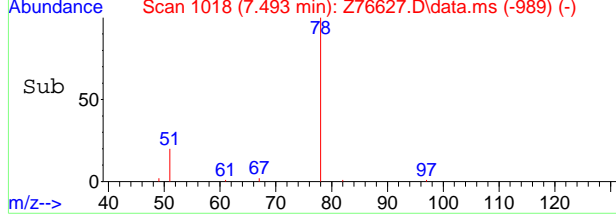
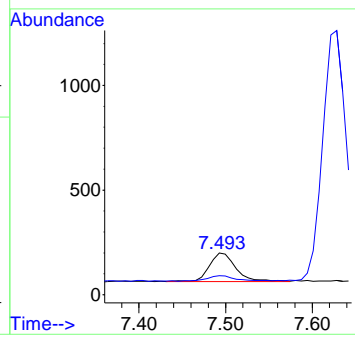
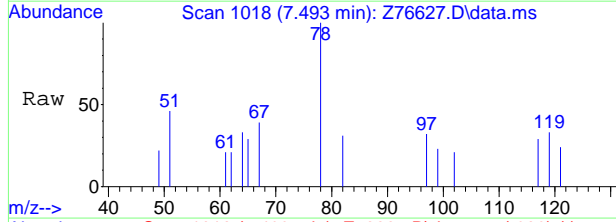




#12
 Benzene
 Concen: 0.05 ug/L
 RT: 7.493 min Scan# 1018
 Delta R.T. -0.000 min
 Lab File: Z76627.D
 Acq: 28 Aug 2024 6:47 pm

Tgt Ion: 78 Resp: 292

Ion	Ratio	Lower	Upper
78	100		
51	18.4	0.0	49.4



7.1.24
7



Manual Integration Approval Summary

Sample Number: FC18261-23
Lab FileID: Z76627.D
Injection Time: 08/28/24 18:47

Method: SW846 8260D BY SIM
Analyst approved: 08/29/24 07:56 Claudia Sosa
Supervisor approved: 08/29/24 10:02 Karen Watson

Parameter	CAS	Sig#	R.T. (min.)	Reason
Chloroform	67-66-3		6.88	Poor instrument integration

7.1.24.1

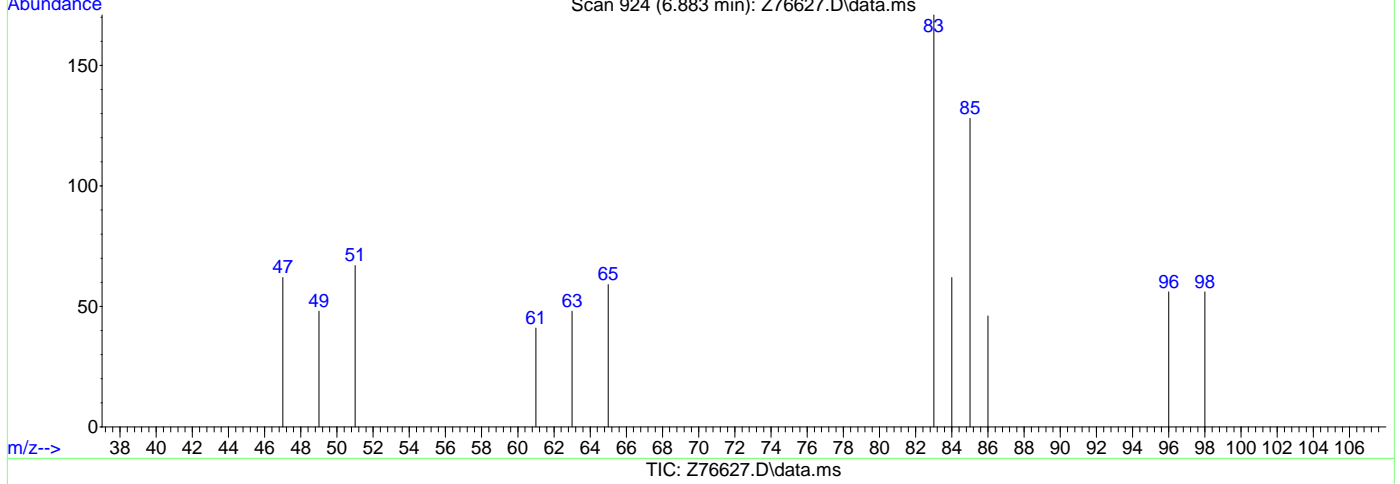
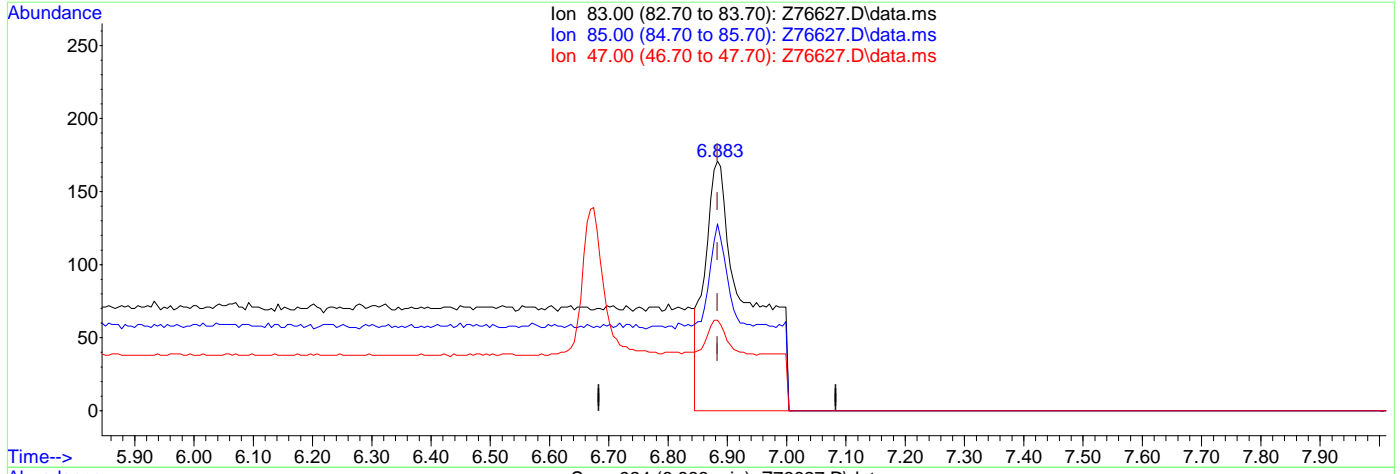
7

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\082824\
Data File : Z76627.D
Acq On : 28 Aug 2024 6:47 pm
Operator : claudias
Sample : FC18261-23
Misc : MS57380,VZ3085,,,,,
ALS Vial : 16 Sample Multiplier: 1

Inst : MSVOA15-Z

Quant Time: Aug 29 06:24:24 2024
Quant Method : C:\msdchem\1\methods\SIMCL-08-28-2024.M
Quant Title : Standard Methods 6200B
QLast Update : Wed Aug 28 11:30:23 2024
Response via : Initial Calibration



(9) Chloroform

6.883min (+0.000) 0.25ug/L

response 870

Ion	Exp%	Act%
83.00	100	100
85.00	65.90	74.85
47.00	21.00	36.26
0.00	0.00	0.00



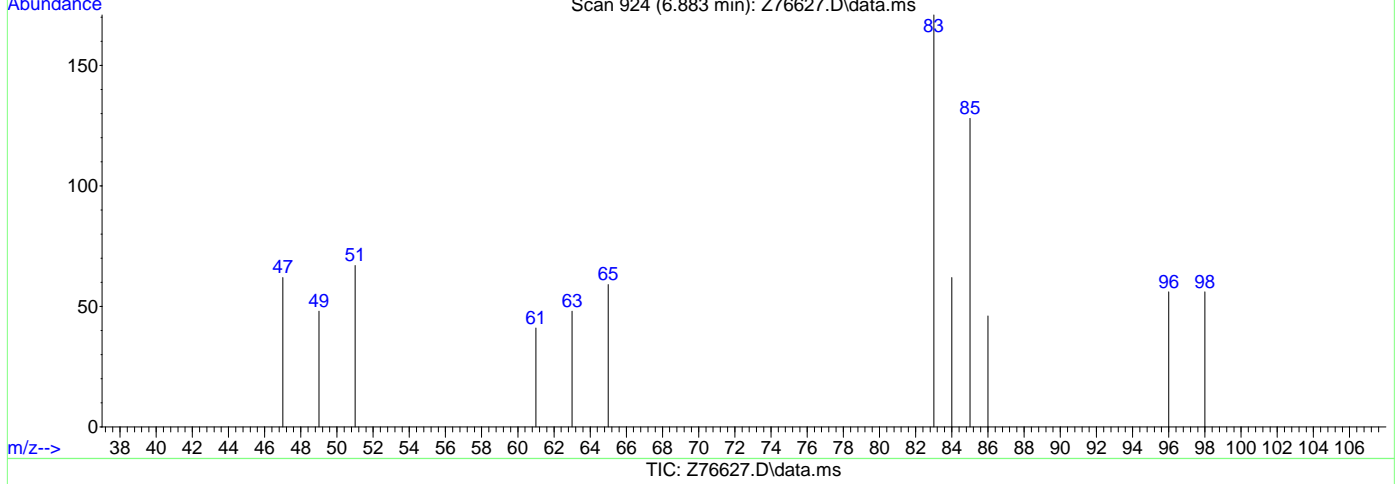
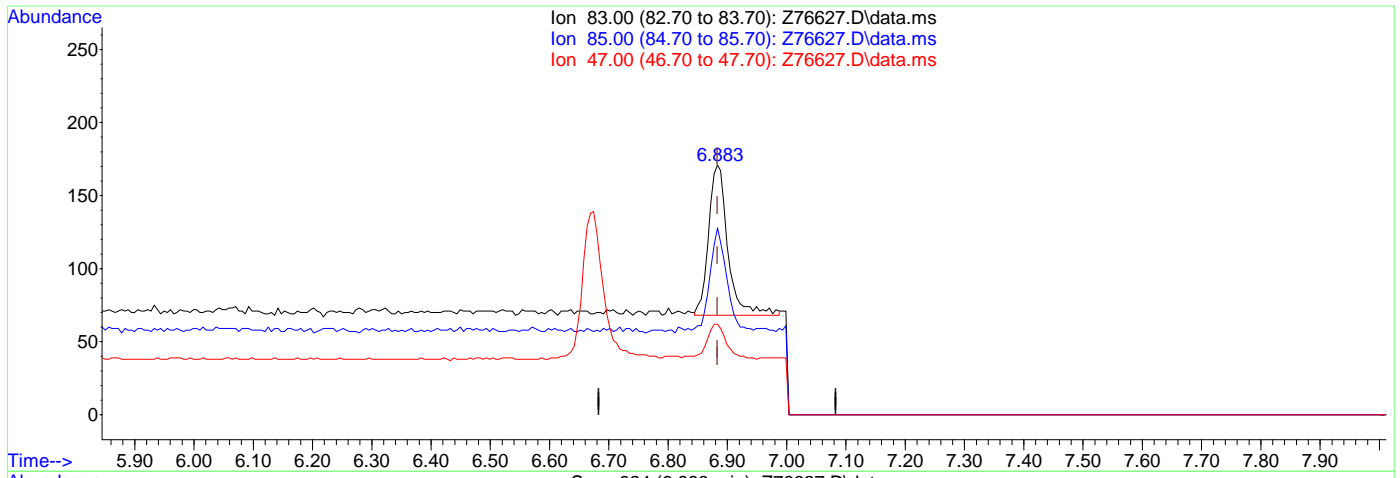
7.1.24.2
7

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\082824\
Data File : Z76627.D
Acq On : 28 Aug 2024 6:47 pm
Operator : claudias
Sample : FC18261-23
Misc : MS57380,VZ3085,,,,,
ALS Vial : 16 Sample Multiplier: 1

Inst : MSVOA15-Z

Quant Time: Aug 29 06:24:24 2024
Quant Method : C:\msdchem\1\methods\SIMCL-08-28-2024.M
Quant Title : Standard Methods 6200B
QLast Update : Wed Aug 28 11:30:23 2024
Response via : Initial Calibration



(9) Chloroform

6.883min (+0.000) 0.07ug/L m

response 234

Ion	Exp%	Act%
83.00	100	100
85.00	65.90	74.85
47.00	21.00	36.26
0.00	0.00	0.00



7.1.24.3
7

Manual Integrations
APPROVED
 (compounds with "m" flag)
 Karen Watson
 08/29/24 10:02

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\082824\
 Data File : Z76628.D
 Acq On : 28 Aug 2024 7:10 pm
 Operator : claudias
 Sample : FC18261-24 Inst : MSVOA15-Z
 Misc : MS57380,VZ3085,,,,,
 ALS Vial : 17 Sample Multiplier: 1

Quant Time: Aug 29 07:10:47 2024
 Quant Method : C:\msdchem\1\methods\SIMCL-08-28-2024.M
 Quant Title : Standard Methods 6200B
 QLast Update : Wed Aug 28 11:30:23 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	Qvalue

Internal Standards							
1) Fluorobenzene	7.901	96	20323	5.00	ug/L	0.00	
18) Chlorobenzene-d5	10.981	117	22086	5.00	ug/L	0.00	
System Monitoring Compounds							
13) 1,2-Dichloroethane-d4	7.628	65	6498	5.28	ug/L	0.00	
Spiked Amount	5.000	Range 74 - 125	Recovery	=	105.60%		
19) Toluene-d8	9.428	98	24109	4.90	ug/L	0.00	
Spiked Amount	5.000	Range 88 - 111	Recovery	=	98.00%		
Target Compounds							
5) Methylene Chloride	5.213	49	307	0.10	ug/L		91
9) Chloroform	6.883	83	513m	0.14	ug/L		
10) Carbon Tetrachloride	7.058	117	2943	1.10	ug/L		96

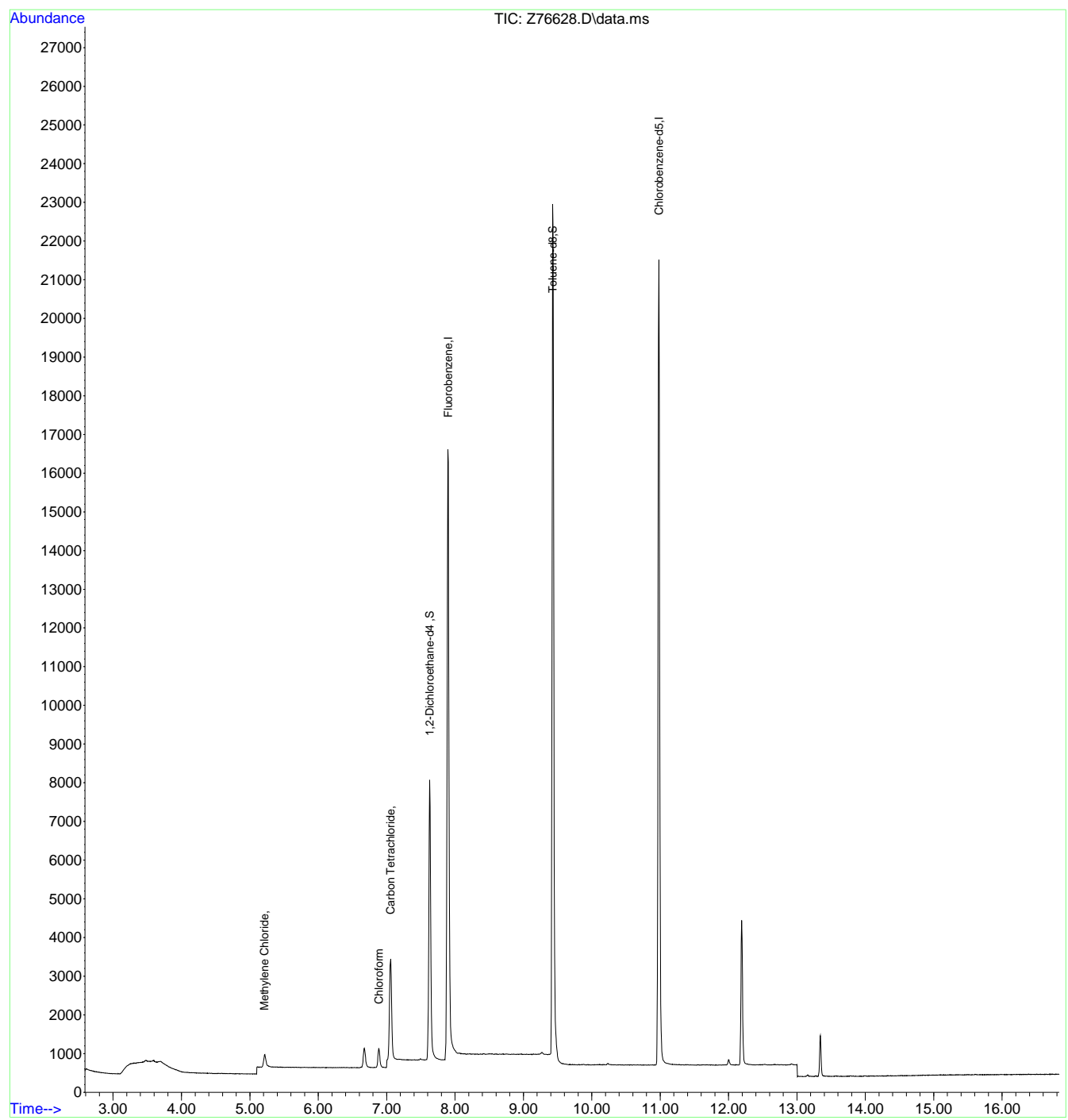
(#) = qualifier out of range (m) = manual integration (+) = signals summed

7.1.25
7

Quantitation Report (QT Reviewed)

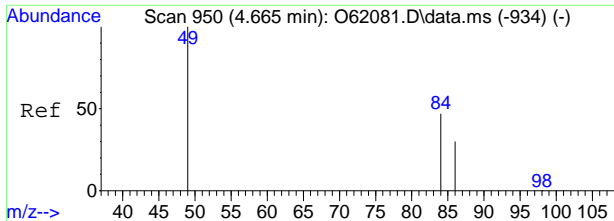
Data Path : C:\msdchem\1\data\082824\
Data File : Z76628.D
Acq On : 28 Aug 2024 7:10 pm
Operator : claudias
Sample : FC18261-24 Inst : MSVOA15-Z
Misc : MS57380,VZ3085,,,,,
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Aug 29 07:10:47 2024
Quant Method : C:\msdchem\1\methods\SIMCL-08-28-2024.M
Quant Title : Standard Methods 6200B
QLast Update : Wed Aug 28 11:30:23 2024
Response via : Initial Calibration



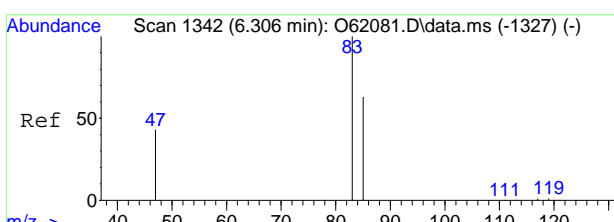
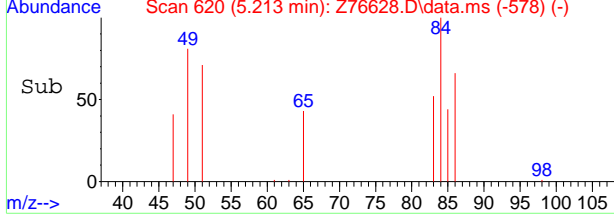
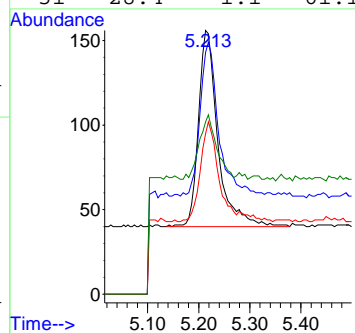
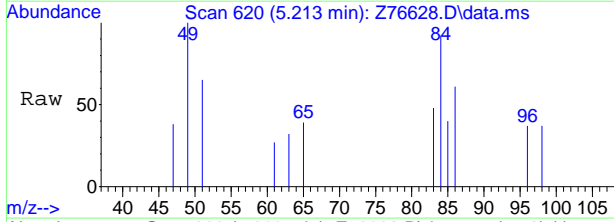
7.1.25
7





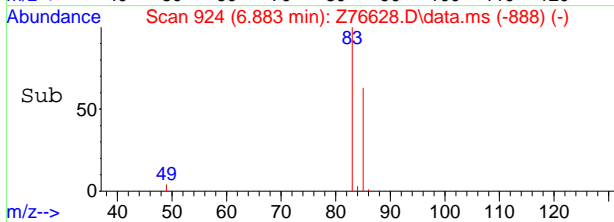
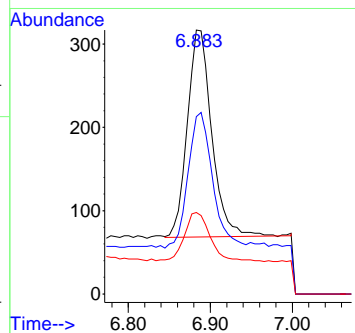
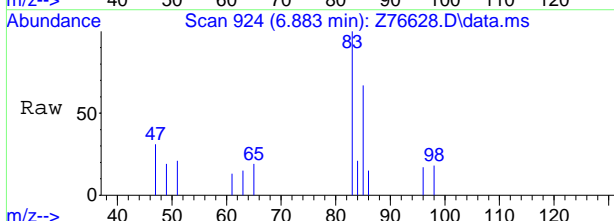
#5
 Methylene Chloride
 Concen: 0.10 ug/L
 RT: 5.213 min Scan# 620
 Delta R.T. 0.000 min
 Lab File: Z76628.D
 Acq: 28 Aug 2024 7:10 pm

Tgt Ion	Ratio	Lower	Upper
49	100		
84	71.6	49.7	109.7
86	44.8	22.0	82.0
51	28.4	1.1	61.1



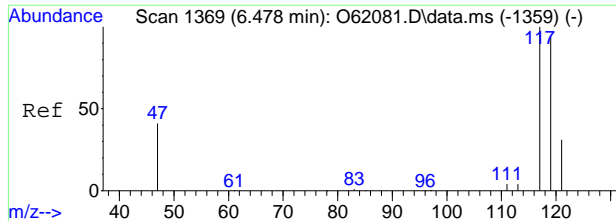
#9
 Chloroform
 Concen: 0.14 ug/L m
 RT: 6.883 min Scan# 924
 Delta R.T. 0.000 min
 Lab File: Z76628.D
 Acq: 28 Aug 2024 7:10 pm

Tgt Ion	Ratio	Lower	Upper
83	100		
85	67.2	35.9	95.9
47	30.9	0.0	51.0



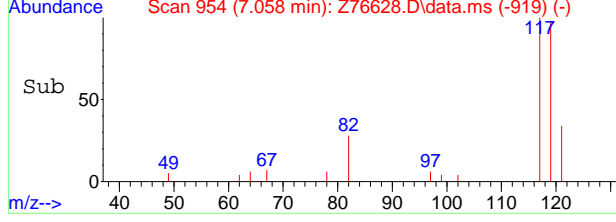
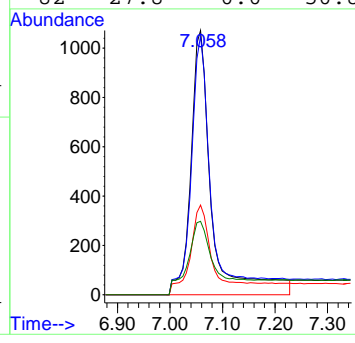
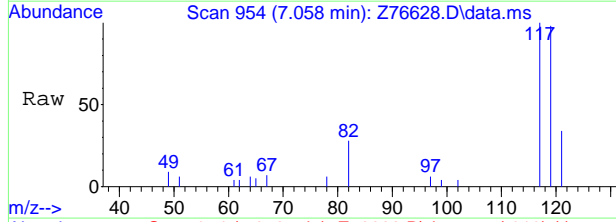
7.1.25
7





#10
 Carbon Tetrachloride
 Concen: 1.10 ug/L
 RT: 7.058 min Scan# 954
 Delta R.T. 0.000 min
 Lab File: Z76628.D
 Acq: 28 Aug 2024 7:10 pm

Tgt Ion	Ratio	Lower	Upper
117	100		
119	97.9	66.2	126.2
121	34.0	1.2	61.2
82	27.8	0.0	50.8



7.1.25
7



Manual Integration Approval Summary

Sample Number: FC18261-24 **Method:** SW846 8260D BY SIM
Lab FileID: Z76628.D **Analyst approved:** 08/29/24 07:56 Claudia Sosa
Injection Time: 08/28/24 19:10 **Supervisor approved:** 08/29/24 10:02 Karen Watson

Parameter	CAS	Sig#	R.T. (min.)	Reason
Chloroform	67-66-3		6.88	Poor instrument integration

7.1.25.1

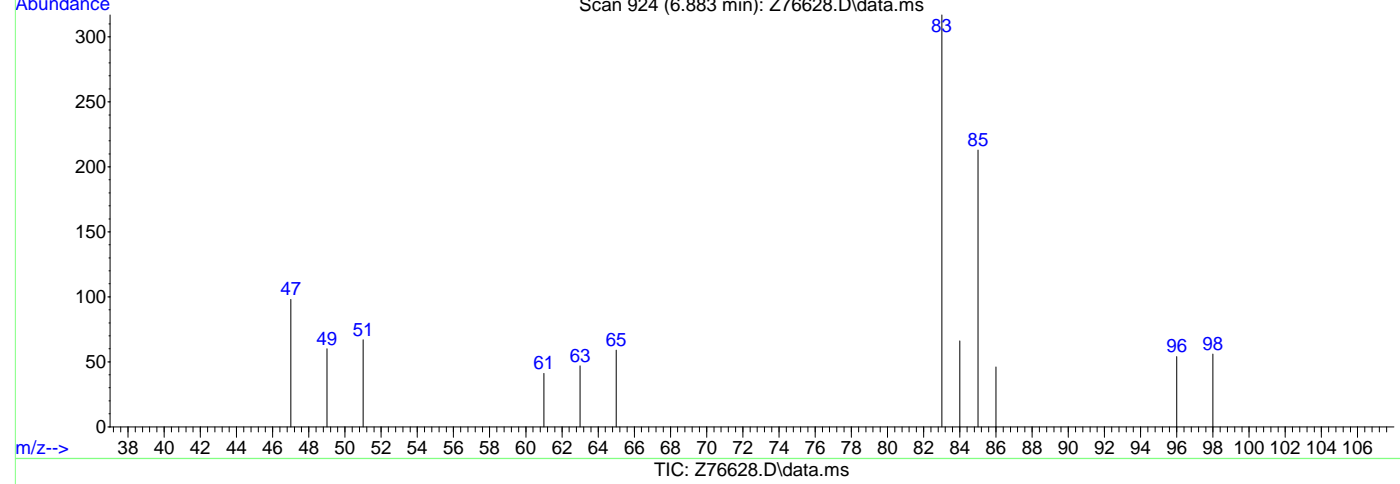
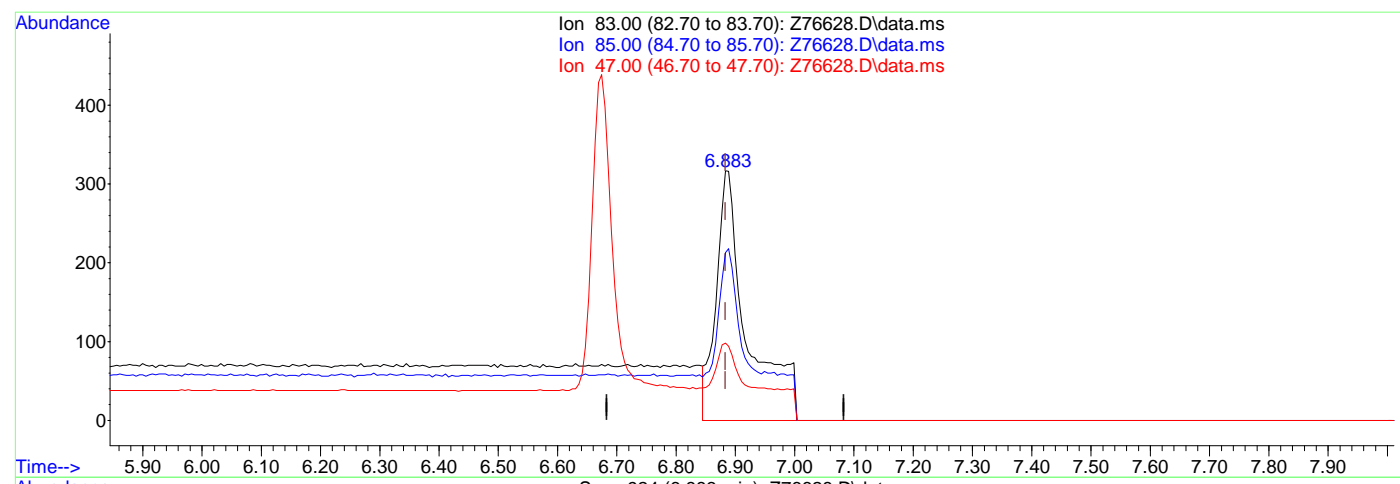
7

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\082824\
Data File : Z76628.D
Acq On : 28 Aug 2024 7:10 pm
Operator : claudias
Sample : FC18261-24
Misc : MS57380,VZ3085,,,,,
ALS Vial : 17 Sample Multiplier: 1

Inst : MSVOA15-Z

Quant Time: Aug 29 06:24:26 2024
Quant Method : C:\msdchem\1\methods\SIMCL-08-28-2024.M
Quant Title : Standard Methods 6200B
QLast Update : Wed Aug 28 11:30:23 2024
Response via : Initial Calibration



(9) Chloroform

6.883min (+0.000) 0.32ug/L

response 1158

Ion	Exp%	Act%
83.00	100	100
85.00	65.90	67.19
47.00	21.00	30.91
0.00	0.00	0.00



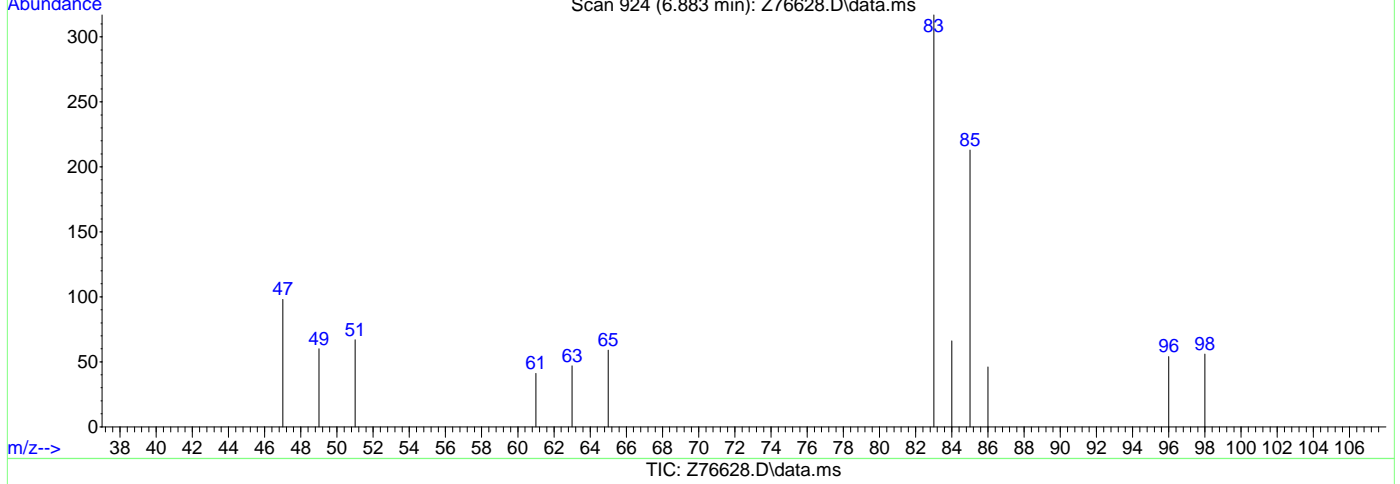
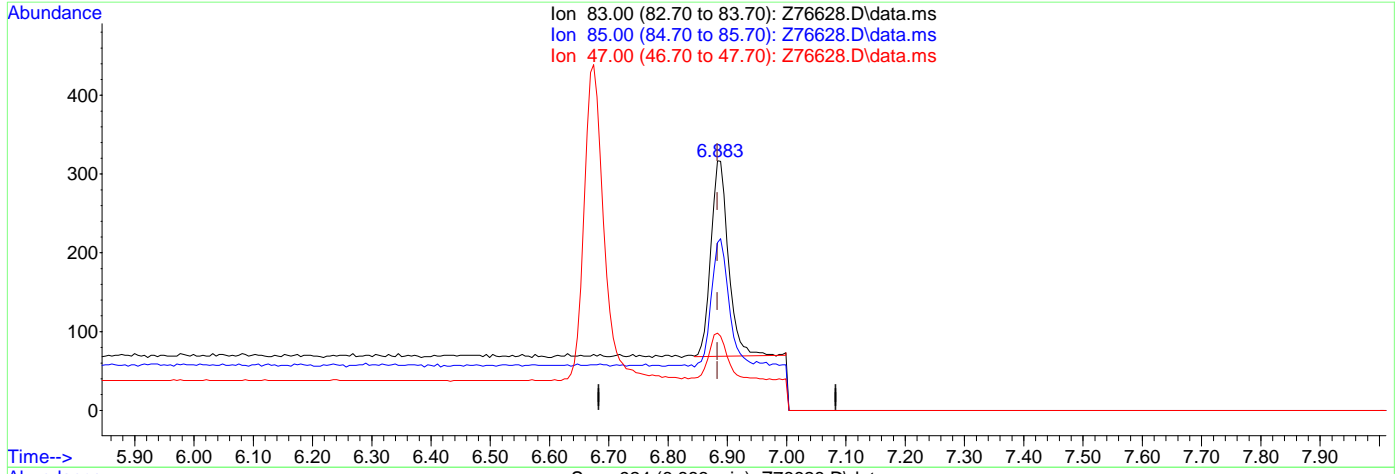
7.1.25.2
7

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\082824\
Data File : Z76628.D
Acq On : 28 Aug 2024 7:10 pm
Operator : claudias
Sample : FC18261-24
Misc : MS57380,VZ3085,,,,,
ALS Vial : 17 Sample Multiplier: 1

Inst : MSVOA15-Z

Quant Time: Aug 29 06:24:26 2024
Quant Method : C:\msdchem\1\methods\SIMCL-08-28-2024.M
Quant Title : Standard Methods 6200B
QLast Update : Wed Aug 28 11:30:23 2024
Response via : Initial Calibration



(9) Chloroform

6.883min (+0.000) 0.14ug/L m

response 513

Ion	Exp%	Act%
83.00	100	100
85.00	65.90	67.19
47.00	21.00	30.91
0.00	0.00	0.00



7.1.25.3
7

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\08-26-24\
 Data File : N0132255.D
 Acq On : 26 Aug 2024 8:05 am
 Operator : jeniferw
 Sample : MB
 Misc : MS57352,VN6708,,,,,
 ALS Vial : 5 Sample Multiplier: 1

Quant Time: Aug 26 08:21:18 2024
 Quant Method : C:\msdchem\1\methods\SIMCL_VN6705_082024.M
 Quant Title : Standard Methods 6200B
 QLast Update : Tue Aug 20 14:01:28 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Fluorobenzene	6.341	96	51930	5.00	ug/L	0.00
18) Chlorobenzene-d5	9.519	117	32300	5.00	ug/L	0.00
System Monitoring Compounds						
13) 1,2-Dichloroethane-d4	6.045	65	21076	4.72	ug/L	0.00
Spiked Amount	5.000	Range 74 - 125	Recovery	=	94.40%	
19) Toluene-d8	7.950	98	38754	5.44	ug/L	0.00
Spiked Amount	5.000	Range 88 - 111	Recovery	=	108.80%	
Target Compounds						
3) Chloromethane	1.982	50	482	0.31	ug/L	98
5) Methylene Chloride	3.718	49	1256	0.52	ug/L	92

(#) = qualifier out of range (m) = manual integration (+) = signals summed

7.2.1

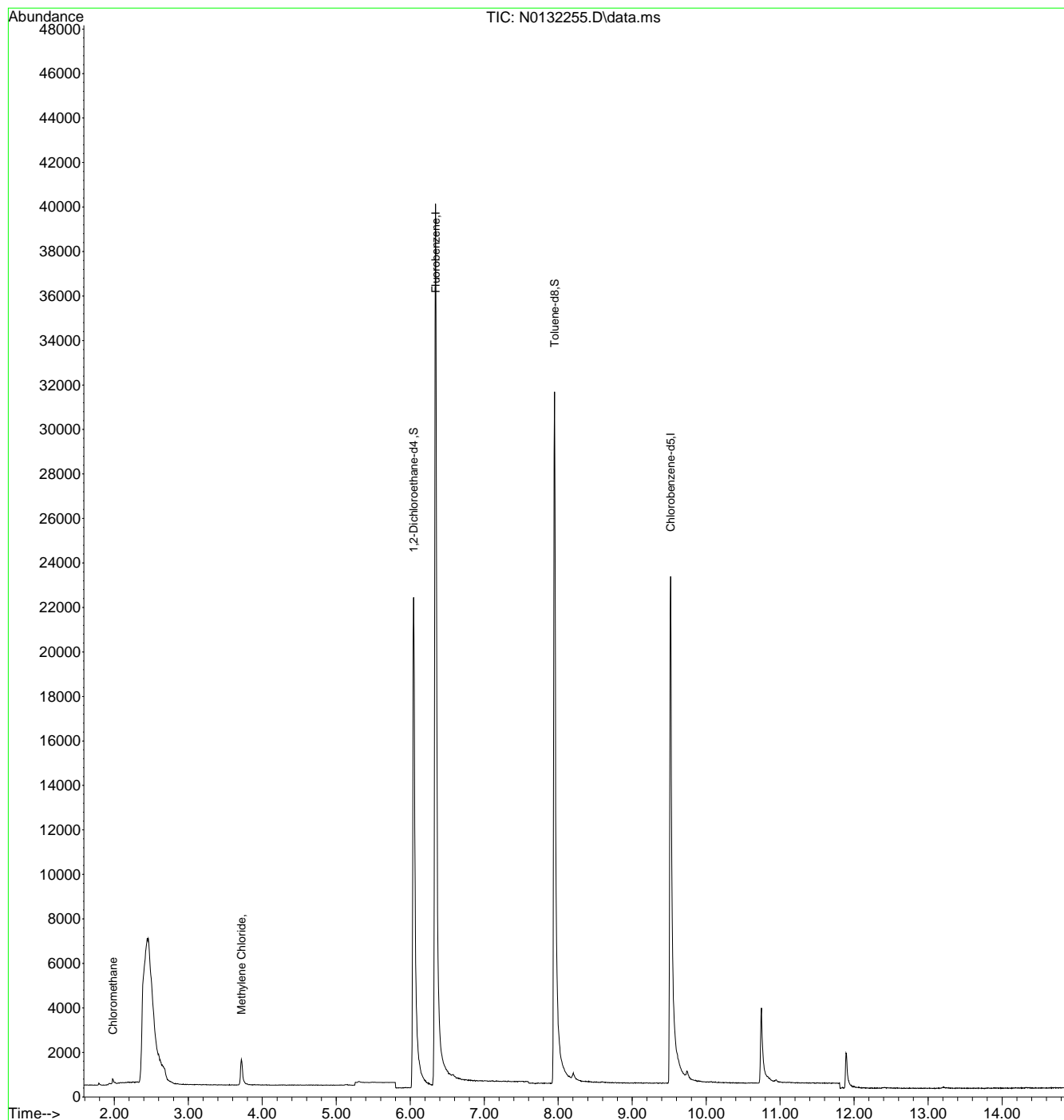
7



Quantitation Report (QT Reviewed)

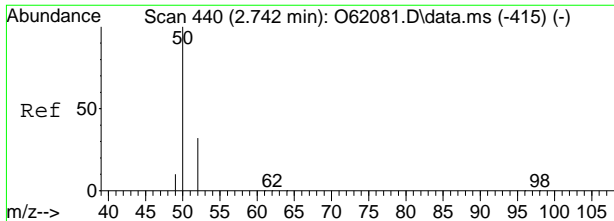
Data Path : C:\msdchem\1\data\08-26-24\
 Data File : N0132255.D
 Acq On : 26 Aug 2024 8:05 am
 Operator : jeniferw
 Sample : MB
 Misc : MS57352,VN6708,,,,,
 ALS Vial : 5 Sample Multiplier: 1

Quant Time: Aug 26 08:21:18 2024
 Quant Method : C:\msdchem\1\methods\SIMCL_VN6705_082024.M
 Quant Title : Standard Methods 6200B
 QLast Update : Tue Aug 20 14:01:28 2024
 Response via : Initial Calibration

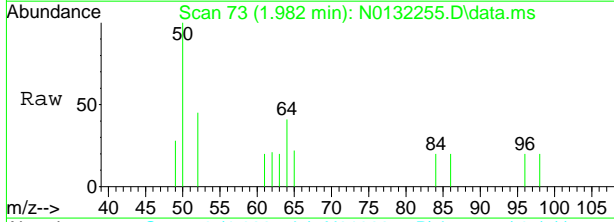


7.2.1
7



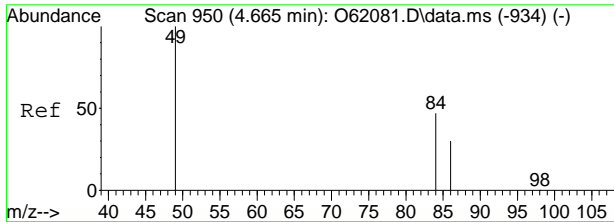
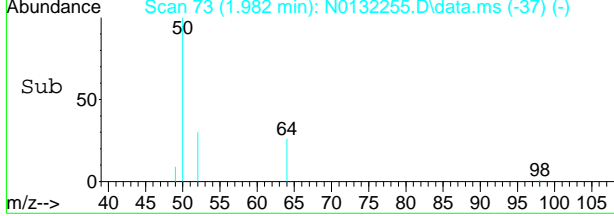
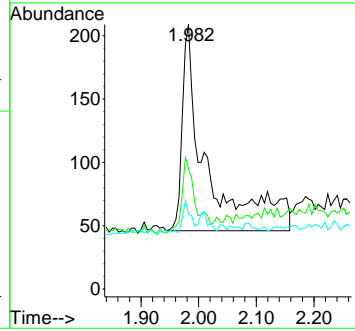


#3
 Chloromethane
 Concen: 0.31 ug/L
 RT: 1.982 min Scan# 73
 Delta R.T. 0.000 min
 Lab File: N0132255.D
 Acq: 26 Aug 2024 8:05 am

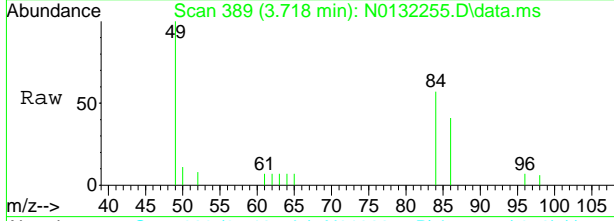


Tgt Ion: 50 Resp: 482

Ion	Ratio	Lower	Upper
50	100		
52	31.3	2.1	62.1
49	8.0	0.0	39.6

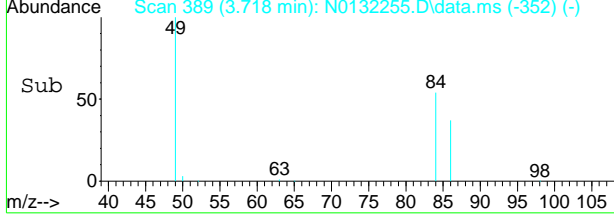
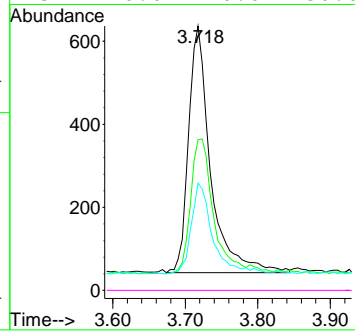


#5
 Methylene Chloride
 Concen: 0.52 ug/L
 RT: 3.718 min Scan# 389
 Delta R.T. 0.006 min
 Lab File: N0132255.D
 Acq: 26 Aug 2024 8:05 am



Tgt Ion: 49 Resp: 1256

Ion	Ratio	Lower	Upper
49	100		
84	54.4	20.0	80.0
86	36.5	0.4	60.4
51	0.0	0.0	30.0



7.2.1
7

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\082624\
 Data File : Z76588.D
 Acq On : 26 Aug 2024 2:29 pm
 Operator : claudias
 Sample : MB Inst : MSVOA15-Z
 Misc : MS57364,VZ3083,,,,,
 ALS Vial : 15 Sample Multiplier: 1

Quant Time: Aug 27 06:42:37 2024
 Quant Method : C:\msdchem\1\methods\SIMCL-08-26-2024.M
 Quant Title : Standard Methods 6200B
 QLast Update : Mon Aug 26 13:08:06 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Fluorobenzene	7.894	96	22859	5.00	ug/L	0.00
18) Chlorobenzene-d5	10.980	117	26113	5.00	ug/L	0.00
System Monitoring Compounds						
13) 1,2-Dichloroethane-d4	7.628	65	9852	5.03	ug/L	0.00
Spiked Amount	5.000	Range 74 - 125	Recovery	=	100.60%	
19) Toluene-d8	9.428	98	22869	5.40	ug/L	0.00
Spiked Amount	5.000	Range 88 - 111	Recovery	=	108.00%	
Target Compounds						
5) Methylene Chloride	5.213	49	1013	0.20	ug/L	Qvalue 88

(#) = qualifier out of range (m) = manual integration (+) = signals summed

7.22
7

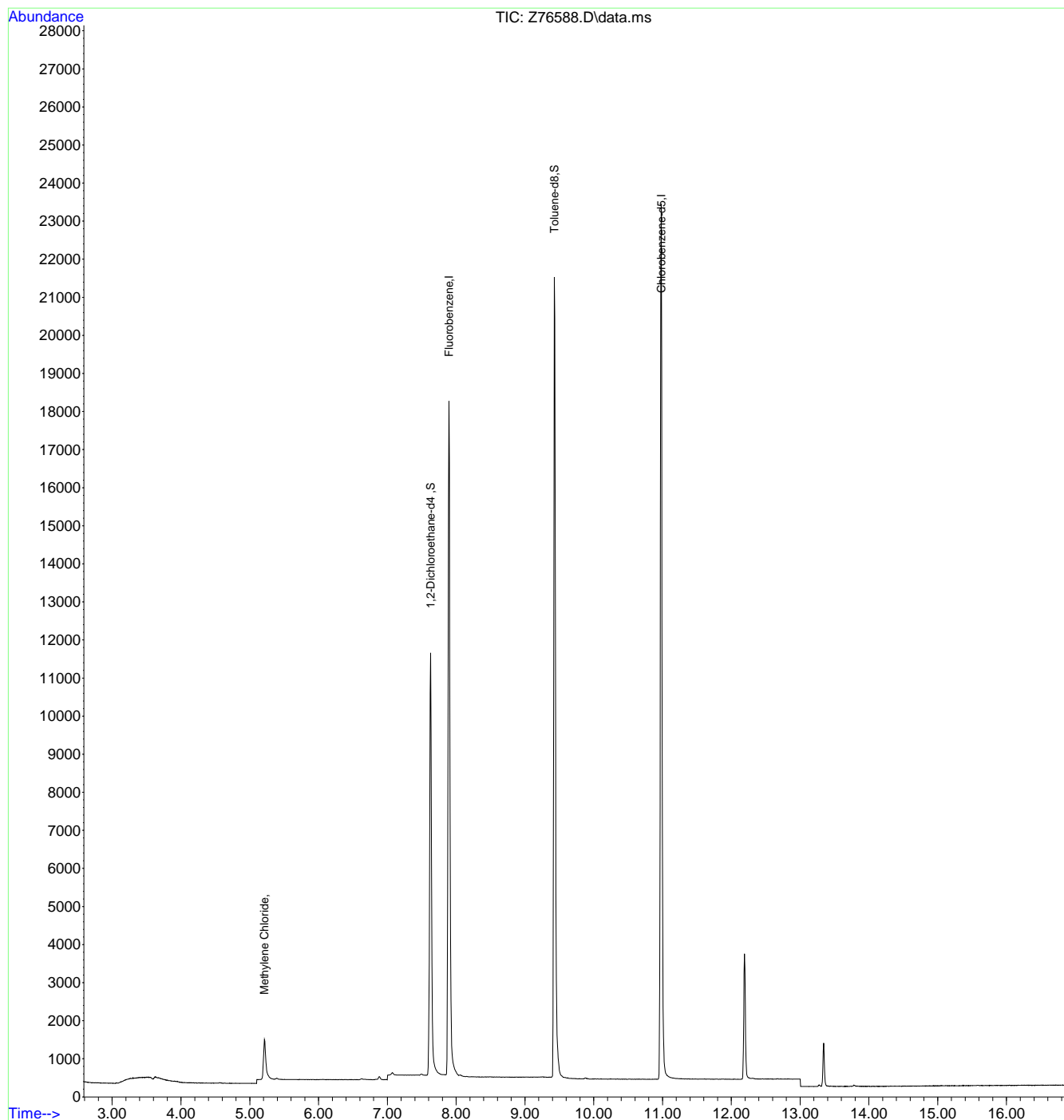


Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\082624\
Data File : Z76588.D
Acq On : 26 Aug 2024 2:29 pm
Operator : claudias
Sample : MB
Misc : MS57364,VZ3083,,,,,
ALS Vial : 15 Sample Multiplier: 1

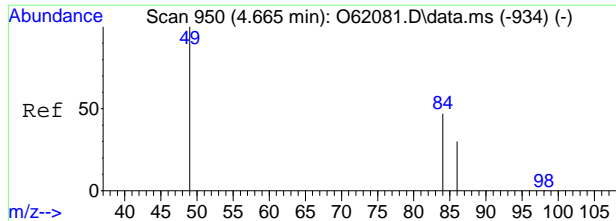
Inst : MSVOA15-Z

Quant Time: Aug 27 06:42:37 2024
Quant Method : C:\msdchem\1\methods\SIMCL-08-26-2024.M
Quant Title : Standard Methods 6200B
QLast Update : Mon Aug 26 13:08:06 2024
Response via : Initial Calibration



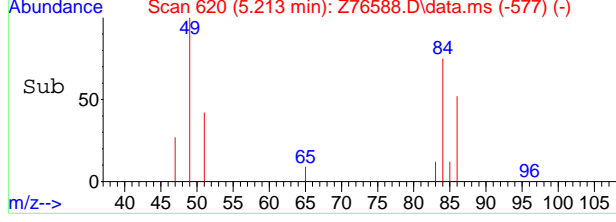
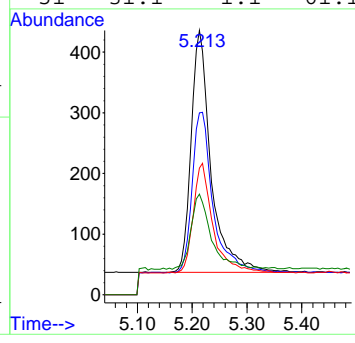
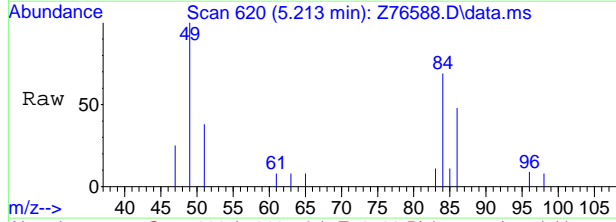
7.2.2
7





#5
 Methylene Chloride
 Concen: 0.20 ug/L
 RT: 5.213 min Scan# 620
 Delta R.T. 0.005 min
 Lab File: Z76588.D
 Acq: 26 Aug 2024 2:29 pm

Tgt Ion	Ratio	Lower	Upper
49	100		
84	65.9	49.7	109.7
86	43.4	22.0	82.0
51	31.1	1.1	61.1



7.22
7

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\082824\
 Data File : Z76616.D
 Acq On : 28 Aug 2024 2:18 pm
 Operator : claudias
 Sample : MB Inst : MSVOA15-Z
 Misc : MS57380,VZ3085,,,,,
 ALS Vial : 5 Sample Multiplier: 1

Quant Time: Aug 28 14:38:48 2024
 Quant Method : C:\msdchem\1\methods\SIMCL-08-28-2024.M
 Quant Title : Standard Methods 6200B
 QLast Update : Wed Aug 28 11:30:23 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Fluorobenzene	7.894	96	19448	5.00	ug/L	0.00
18) Chlorobenzene-d5	10.980	117	20757	5.00	ug/L	0.00
System Monitoring Compounds						
13) 1,2-Dichloroethane-d4	7.628	65	6023	5.11	ug/L	0.00
Spiked Amount	5.000	Range 74 - 125	Recovery	=	102.20%	
19) Toluene-d8	9.428	98	22721	4.91	ug/L	0.00
Spiked Amount	5.000	Range 88 - 111	Recovery	=	98.20%	
Target Compounds						
5) Methylene Chloride	5.213	49	1567	0.53	ug/L	Qvalue 97

(#) = qualifier out of range (m) = manual integration (+) = signals summed

7.2.3

7

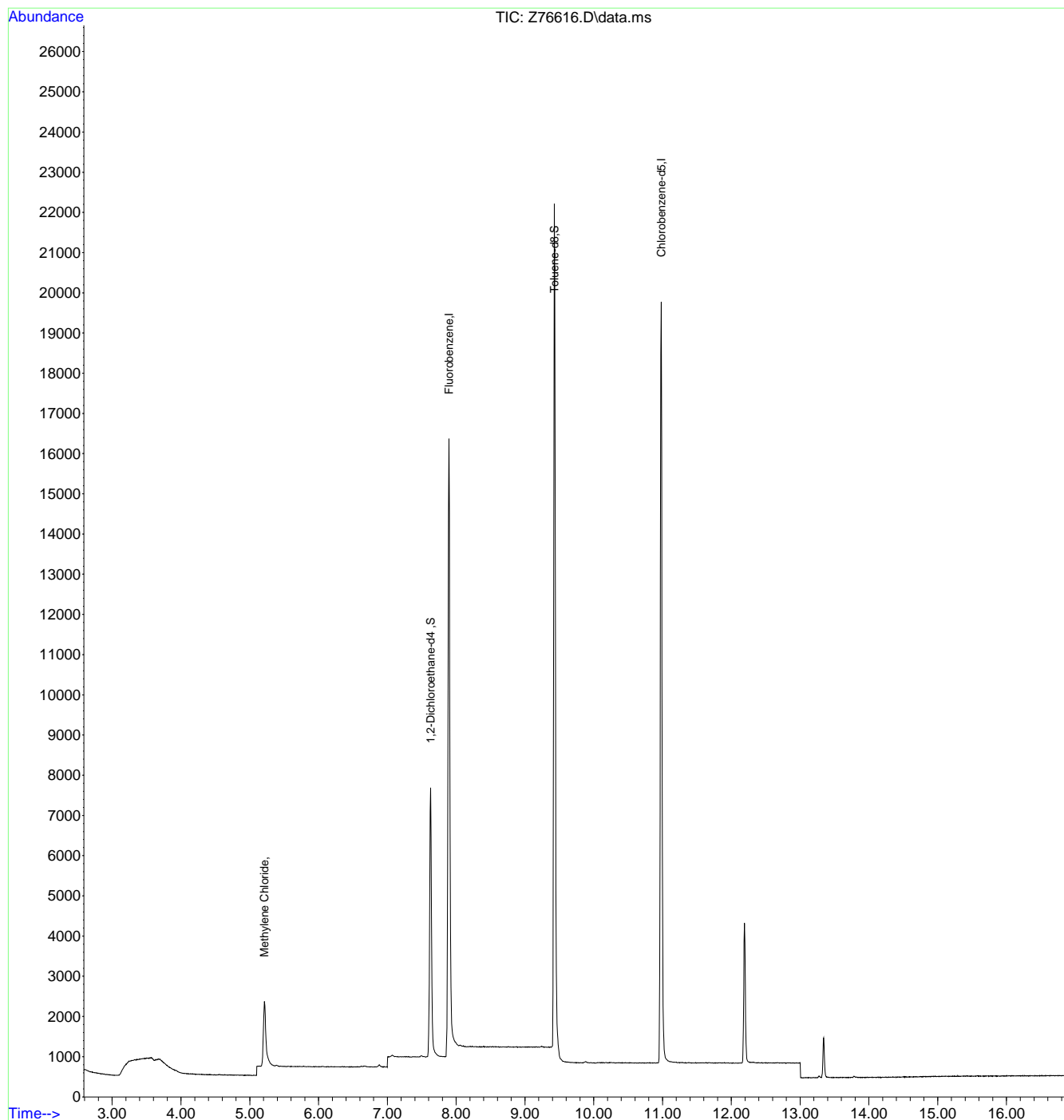


Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\082824\
Data File : Z76616.D
Acq On : 28 Aug 2024 2:18 pm
Operator : claudias
Sample : MB
Misc : MS57380,VZ3085,,,,,
ALS Vial : 5 Sample Multiplier: 1

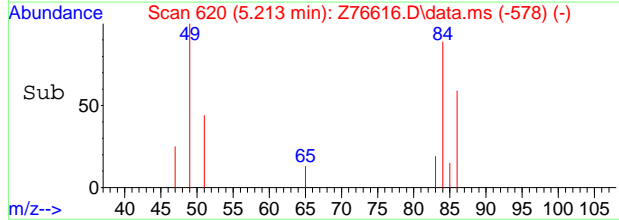
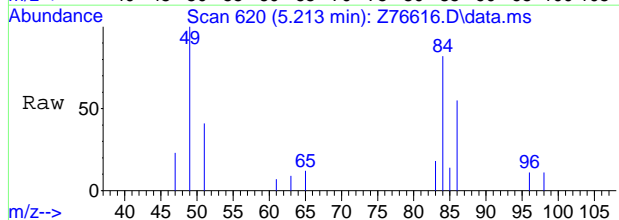
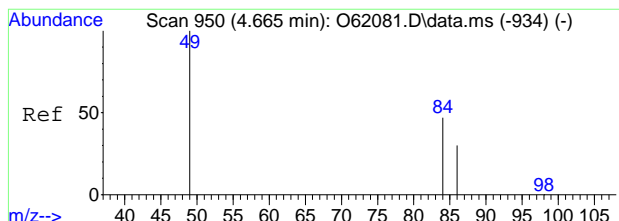
Inst : MSVOA15-Z

Quant Time: Aug 28 14:38:48 2024
Quant Method : C:\msdchem\1\methods\SIMCL-08-28-2024.M
Quant Title : Standard Methods 6200B
QLast Update : Wed Aug 28 11:30:23 2024
Response via : Initial Calibration



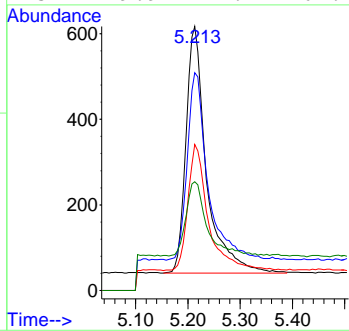
7.2.3
7





#5
 Methylene Chloride
 Concen: 0.53 ug/L
 RT: 5.213 min Scan# 620
 Delta R.T. 0.000 min
 Lab File: Z76616.D
 Acq: 28 Aug 2024 2:18 pm

Tgt Ion	Ratio	Lower	Upper
49	100		
84	75.7	49.7	109.7
86	51.0	22.0	82.0
51	29.9	1.1	61.1



7.2.3
7

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\08-29-24\
 Data File : N0132345.D
 Acq On : 29 Aug 2024 8:03 am
 Operator : jeniferw
 Sample : MB
 Misc : MS57378,VN6711,,,,,
 ALS Vial : 5 Sample Multiplier: 1

Quant Time: Aug 29 08:19:42 2024
 Quant Method : C:\msdchem\1\methods\SIMCL_VN6705_082024.M
 Quant Title : Standard Methods 6200B
 QLast Update : Tue Aug 20 14:01:28 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Fluorobenzene	6.341	96	46351	5.00	ug/L	0.00
18) Chlorobenzene-d5	9.514	117	29760	5.00	ug/L	0.00
System Monitoring Compounds						
13) 1,2-Dichloroethane-d4	6.041	65	21081	5.29	ug/L	0.00
Spiked Amount	5.000	Range 74 - 125	Recovery	=	105.80%	
19) Toluene-d8	7.945	98	34662	5.28	ug/L	0.00
Spiked Amount	5.000	Range 88 - 111	Recovery	=	105.60%	
Target Compounds						
3) Chloromethane	1.977	50	522	0.38	ug/L	90
5) Methylene Chloride	3.712	49	3889	1.83	ug/L	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

7.2.4

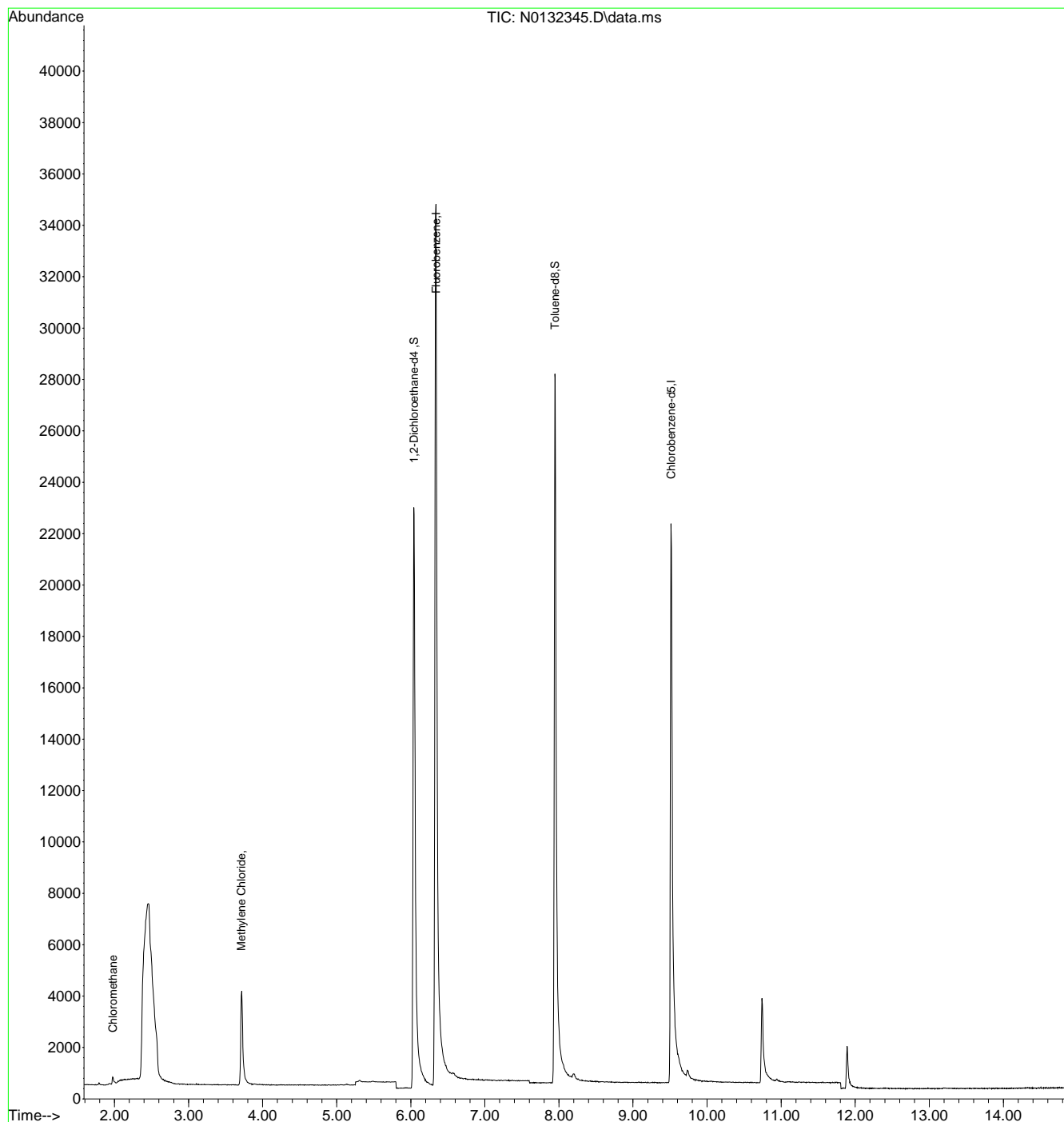
7

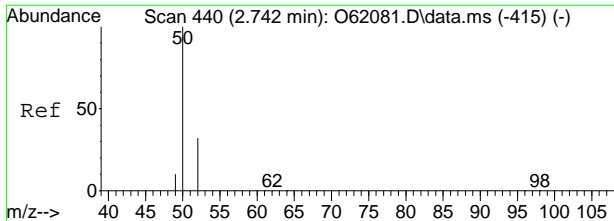


Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\08-29-24\
Data File : N0132345.D
Acq On : 29 Aug 2024 8:03 am
Operator : jeniferw
Sample : MB
Misc : MS57378,VN6711,,,,,
ALS Vial : 5 Sample Multiplier: 1

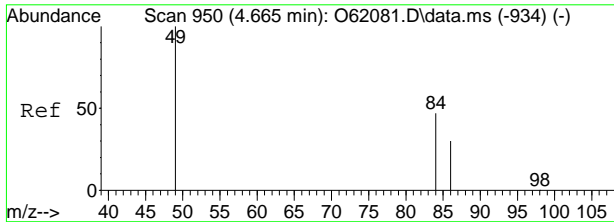
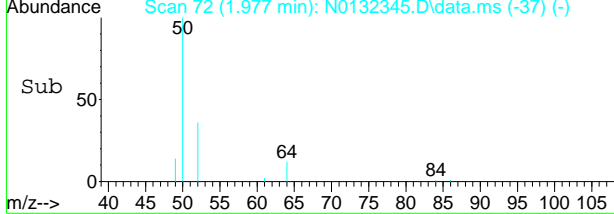
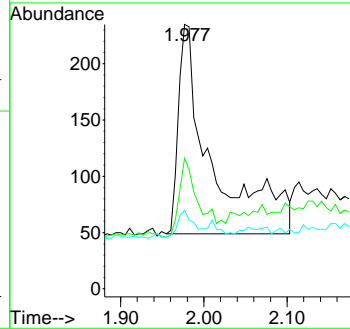
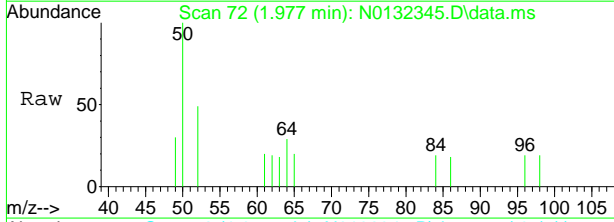
Quant Time: Aug 29 08:19:42 2024
Quant Method : C:\msdchem\1\methods\SIMCL_VN6705_082024.M
Quant Title : Standard Methods 6200B
QLast Update : Tue Aug 20 14:01:28 2024
Response via : Initial Calibration





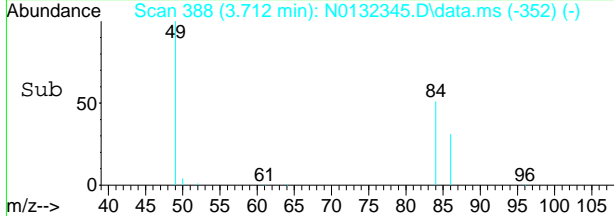
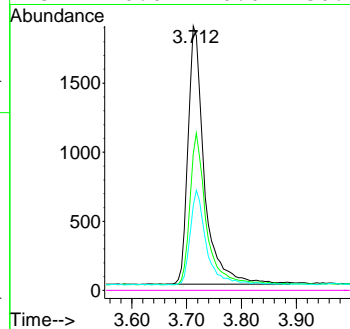
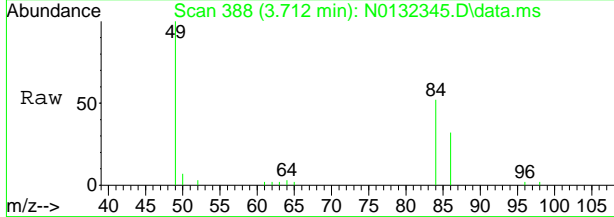
#3
 Chloromethane
 Concen: 0.38 ug/L
 RT: 1.977 min Scan# 72
 Delta R.T. -0.005 min
 Lab File: N0132345.D
 Acq: 29 Aug 2024 8:03 am

Tgt Ion	Resp	Lower	Upper
50	522		
52	37.6	2.1	62.1
49	12.9	0.0	39.6



#5
 Methylene Chloride
 Concen: 1.83 ug/L
 RT: 3.712 min Scan# 388
 Delta R.T. 0.000 min
 Lab File: N0132345.D
 Acq: 29 Aug 2024 8:03 am

Tgt Ion	Resp	Lower	Upper
49	3889		
84	50.5	20.0	80.0
86	30.7	0.4	60.4
51	0.0	0.0	30.0



7.2.4

7

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\08-26-24\
 Data File : N0132253.D
 Acq On : 26 Aug 2024 7:18 am
 Operator : jeniferw
 Sample : BS
 Misc : MS57352,VN6708,,,,,
 ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 26 07:39:38 2024
 Quant Method : C:\msdchem\1\methods\SIMCL_VN6705_082024.M
 Quant Title : Standard Methods 6200B
 QLast Update : Tue Aug 20 14:01:28 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	

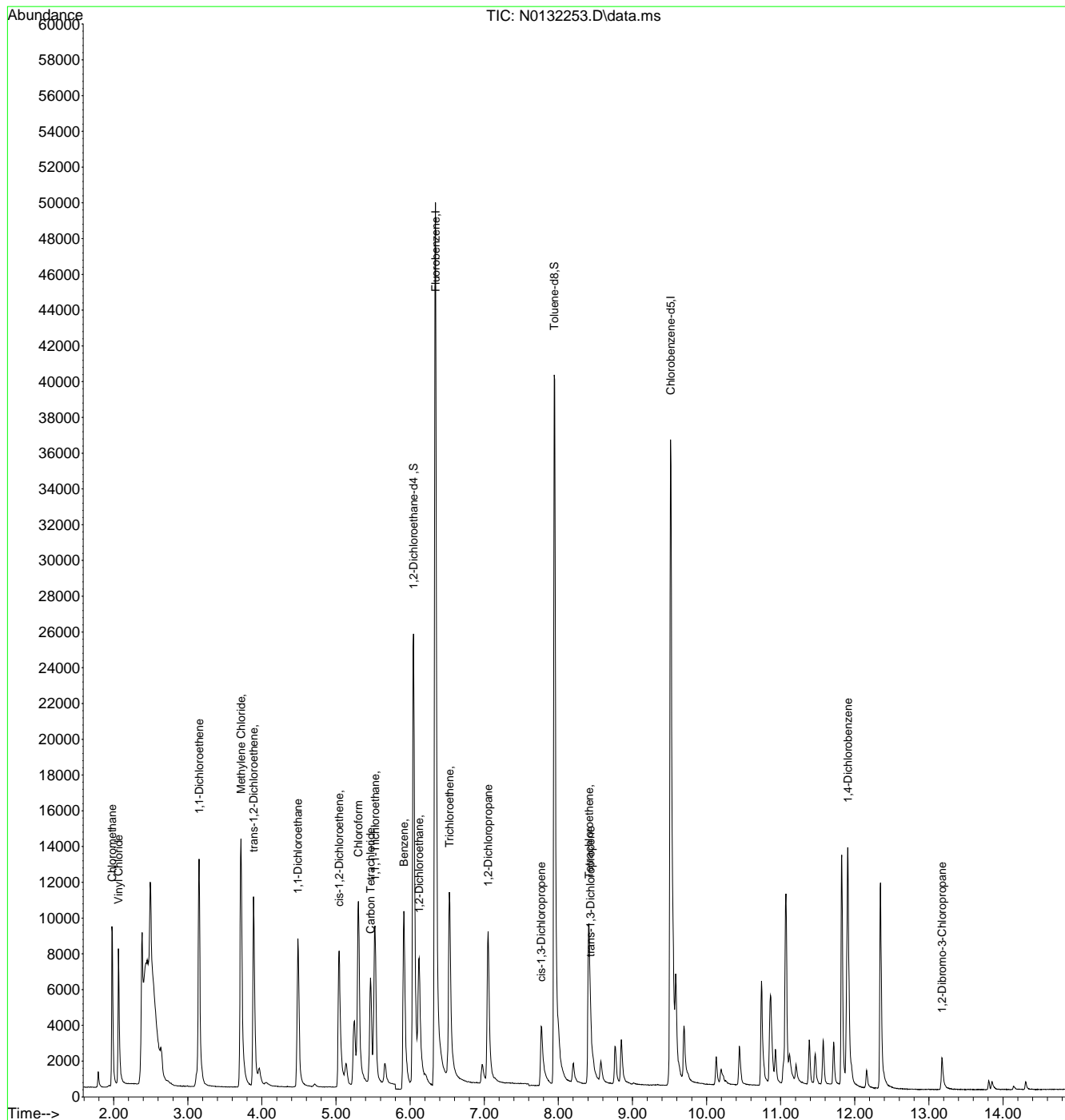
Internal Standards							
1) Fluorobenzene	6.341	96	62882	5.00	ug/L	0.00	
18) Chlorobenzene-d5	9.514	117	38646	5.00	ug/L	0.00	
System Monitoring Compounds							
13) 1,2-Dichloroethane-d4	6.045	65	23717	4.38	ug/L	0.00	
Spiked Amount	5.000	Range 74 - 125	Recovery	=	87.60%		
19) Toluene-d8	7.945	98	46402	5.44	ug/L	0.00	
Spiked Amount	5.000	Range 88 - 111	Recovery	=	108.80%		
Target Compounds							
							Qvalue
2) Vinyl Chloride	2.065	62	7107	5.11	ug/L		99
3) Chloromethane	1.977	50	8737	4.70	ug/L		99
4) 1,1-Dichloroethene	3.152	61	9355	5.06	ug/L		91
5) Methylene Chloride	3.718	49	14467	5.33	ug/L		87
6) trans-1,2-Dichloroethene	3.888	61	8197	5.31	ug/L		93
7) 1,1-Dichloroethane	4.487	63	10753	5.18	ug/L		100
8) cis-1,2-Dichloroethene	5.042	96	5029	5.55	ug/L		98
9) Chloroform	5.303	83	11057	4.97	ug/L		99
10) Carbon Tetrachloride	5.466	117	4398	4.68	ug/L		96
11) 1,1,1-Trichloroethane	5.527	97	6838	5.11	ug/L		99
12) Benzene	5.915	78	18145	5.40	ug/L		99
14) 1,2-Dichloroethane	6.121	62	8573	5.40	ug/L		98
15) Trichloroethene	6.531	95	4752	5.03	ug/L		99
16) 1,2-Dichloropropane	7.053	63	5582	5.27	ug/L		99
17) cis-1,3-Dichloropropene	7.769	75	4541	5.41	ug/L		99
20) trans-1,3-Dichloropropene	8.435	75	3917	5.61	ug/L		95
21) Tetrachloroethene	8.413	166	4982	5.73	ug/L #		97
22) 1,4-Dichlorobenzene	11.906	146	11137	5.64	ug/L		97
23) 1,2-Dibromo-3-Chloropr...	13.176	75	979	6.05	ug/L		94

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\08-26-24\
 Data File : N0132253.D
 Acq On : 26 Aug 2024 7:18 am
 Operator : jeniferw
 Sample : BS
 Misc : MS57352,VN6708,,,,,
 ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 26 07:39:38 2024
 Quant Method : C:\msdchem\1\methods\SIMCL_VN6705_082024.M
 Quant Title : Standard Methods 6200B
 QLast Update : Tue Aug 20 14:01:28 2024
 Response via : Initial Calibration



7.3.1
7

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\082624\
 Data File : Z76586.D
 Acq On : 26 Aug 2024 1:31 pm
 Operator : claudias
 Sample : bs Inst : MSVOA15-Z
 Misc : MS57344,VZ3083,,,,,
 ALS Vial : 13 Sample Multiplier: 1

Quant Time: Aug 26 13:48:48 2024
 Quant Method : C:\msdchem\1\methods\SIMCL-08-26-2024.M
 Quant Title : Standard Methods 6200B
 QLast Update : Mon Aug 26 13:08:06 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	

Internal Standards							
1) Fluorobenzene	7.895	96	27249	5.00	ug/L	0.00	
18) Chlorobenzene-d5	10.981	117	31295	5.00	ug/L	0.00	
System Monitoring Compounds							
13) 1,2-Dichloroethane-d4	7.622	65	9723	4.16	ug/L	0.00	
Spiked Amount	5.000	Range 74 - 125	Recovery	=	83.20%		
19) Toluene-d8	9.428	98	25949	5.11	ug/L	0.00	
Spiked Amount	5.000	Range 88 - 111	Recovery	=	102.20%		
Target Compounds							
							Qvalue
2) Vinyl Chloride	3.188	62	14904	4.60	ug/L		98
3) Chloromethane	3.125	50	19546	4.51	ug/L		98
4) 1,1-Dichloroethene	4.566	61	22047	5.33	ug/L		97
5) Methylene Chloride	5.208	49	31948	6.08	ug/L		87
6) trans-1,2-Dichloroethene	5.389	61	21913	5.42	ug/L		97
7) 1,1-Dichloroethane	6.059	63	27607	5.08	ug/L		99
8) cis-1,2-Dichloroethene	6.625	96	15612	5.59	ug/L		97
9) Chloroform	6.883	83	29659	5.03	ug/L		98
10) Carbon Tetrachloride	7.051	117	20069	4.87	ug/L		99
11) 1,1,1-Trichloroethane	7.119	97	23853	5.20	ug/L		93
12) Benzene	7.493	78	45340	5.36	ug/L		97
14) 1,2-Dichloroethane	7.689	62	20306	5.10	ug/L		91
15) Trichloroethene	8.061	95	13905	5.52	ug/L		94
16) 1,2-Dichloropropane	8.588	63	13432	5.41	ug/L		90
17) cis-1,3-Dichloropropene	9.246	75	13846	5.63	ug/L		99
20) trans-1,3-Dichloropropene	9.874	75	12253	5.42	ug/L		96
21) Tetrachloroethene	9.874	166	15309	5.94	ug/L #		98
22) 1,4-Dichlorobenzene	13.354	146	33708	5.70	ug/L		97
23) 1,2-Dibromo-3-Chloropr...	14.521	75	2613	4.97	ug/L		80

(#) = qualifier out of range (m) = manual integration (+) = signals summed



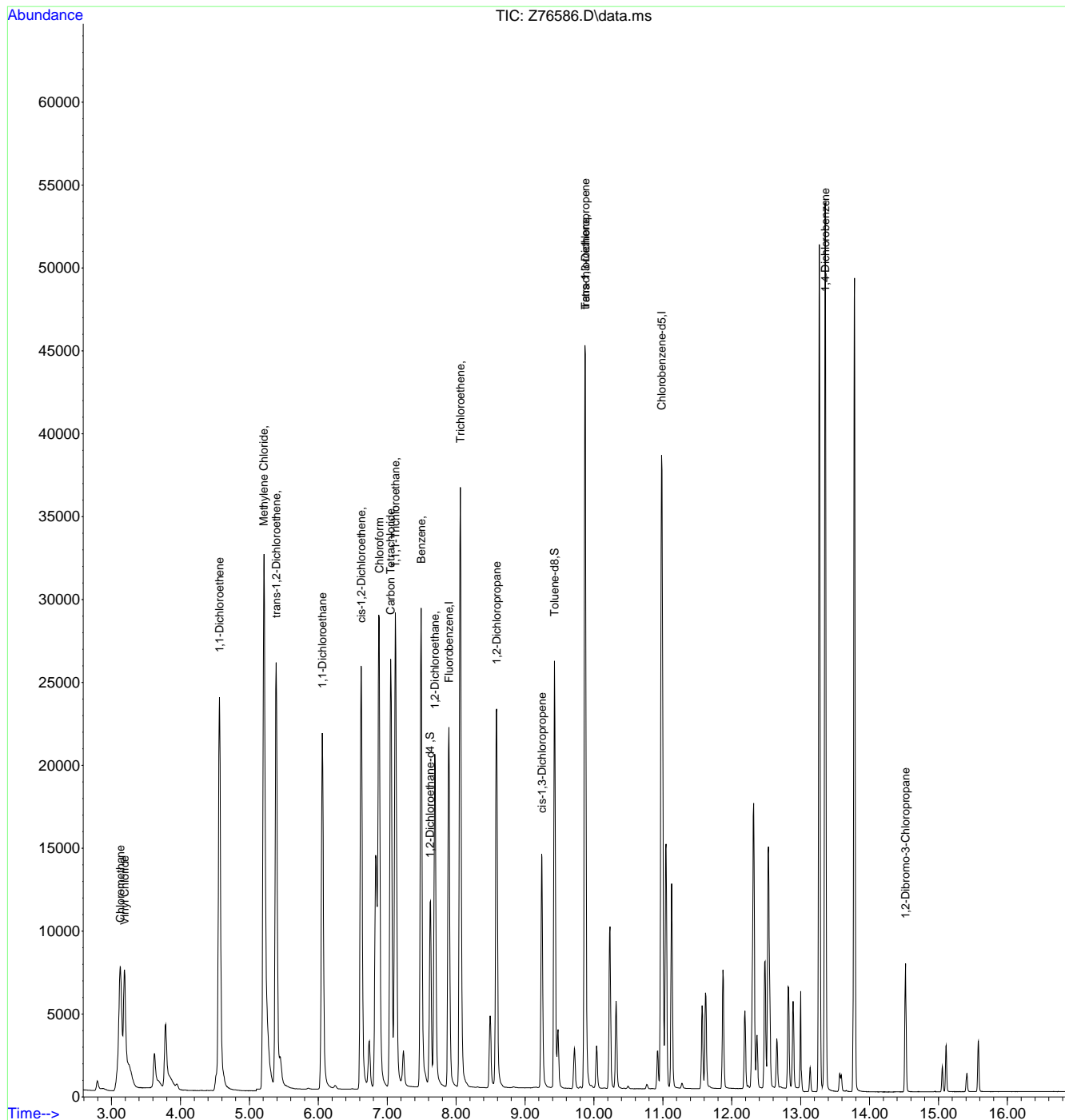
7.3.2
7

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\082624\
 Data File : Z76586.D
 Acq On : 26 Aug 2024 1:31 pm
 Operator : claudias
 Sample : bs
 Misc : MS57344,VZ3083,,,,,
 ALS Vial : 13 Sample Multiplier: 1

Inst : MSVOA15-Z

Quant Time: Aug 26 13:48:48 2024
 Quant Method : C:\msdchem\1\methods\SIMCL-08-26-2024.M
 Quant Title : Standard Methods 6200B
 QLast Update : Mon Aug 26 13:08:06 2024
 Response via : Initial Calibration



7.3.2
7

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\082824\
 Data File : Z76614.D
 Acq On : 28 Aug 2024 1:18 pm
 Operator : claudias
 Sample : bs Inst : MSVOA15-Z
 Misc : MS57344,VZ3085,,,,,
 ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 28 13:35:57 2024
 Quant Method : C:\msdchem\1\methods\SIMCL-08-28-2024.M
 Quant Title : Standard Methods 6200B
 QLast Update : Wed Aug 28 11:30:23 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	

Internal Standards							
1) Fluorobenzene	7.895	96	19562	5.00	ug/L	0.00	
18) Chlorobenzene-d5	10.980	117	20179	5.00	ug/L	0.00	
System Monitoring Compounds							
13) 1,2-Dichloroethane-d4	7.628	65	5752	4.85	ug/L	0.00	
Spiked Amount	5.000	Range 74 - 125	Recovery	=	97.00%		
19) Toluene-d8	9.428	98	22317	4.96	ug/L	0.00	
Spiked Amount	5.000	Range 88 - 111	Recovery	=	99.20%		
Target Compounds							
							Qvalue
2) Vinyl Chloride	3.188	62	8070	4.07	ug/L		97
3) Chloromethane	3.133	50	8934	3.96	ug/L		98
4) 1,1-Dichloroethene	4.566	61	11179	5.02	ug/L		99
5) Methylene Chloride	5.213	49	15477	5.72	ug/L		98
6) trans-1,2-Dichloroethene	5.389	61	11096	5.21	ug/L		99
7) 1,1-Dichloroethane	6.059	63	14166	5.61	ug/L		100
8) cis-1,2-Dichloroethene	6.625	96	8815	5.12	ug/L		97
9) Chloroform	6.883	83	16380	4.98	ug/L		99
10) Carbon Tetrachloride	7.051	117	11805	4.83	ug/L		99
11) 1,1,1-Trichloroethane	7.119	97	13748	5.16	ug/L		95
12) Benzene	7.492	78	28628	5.05	ug/L		95
14) 1,2-Dichloroethane	7.696	62	10745	5.15	ug/L		95
15) Trichloroethene	8.061	95	7999	5.22	ug/L		92
16) 1,2-Dichloropropane	8.588	63	7993	5.14	ug/L		93
17) cis-1,3-Dichloropropene	9.240	75	11941	4.97	ug/L		90
20) trans-1,3-Dichloropropene	9.874	75	9992	4.60	ug/L		94
21) Tetrachloroethene	9.874	166	7805	5.12	ug/L #		93
22) 1,4-Dichlorobenzene	13.358	146	17612	5.13	ug/L		96
23) 1,2-Dibromo-3-Chloropr...	14.520	75	2292	4.88	ug/L		80

(#) = qualifier out of range (m) = manual integration (+) = signals summed

7.3.3
7

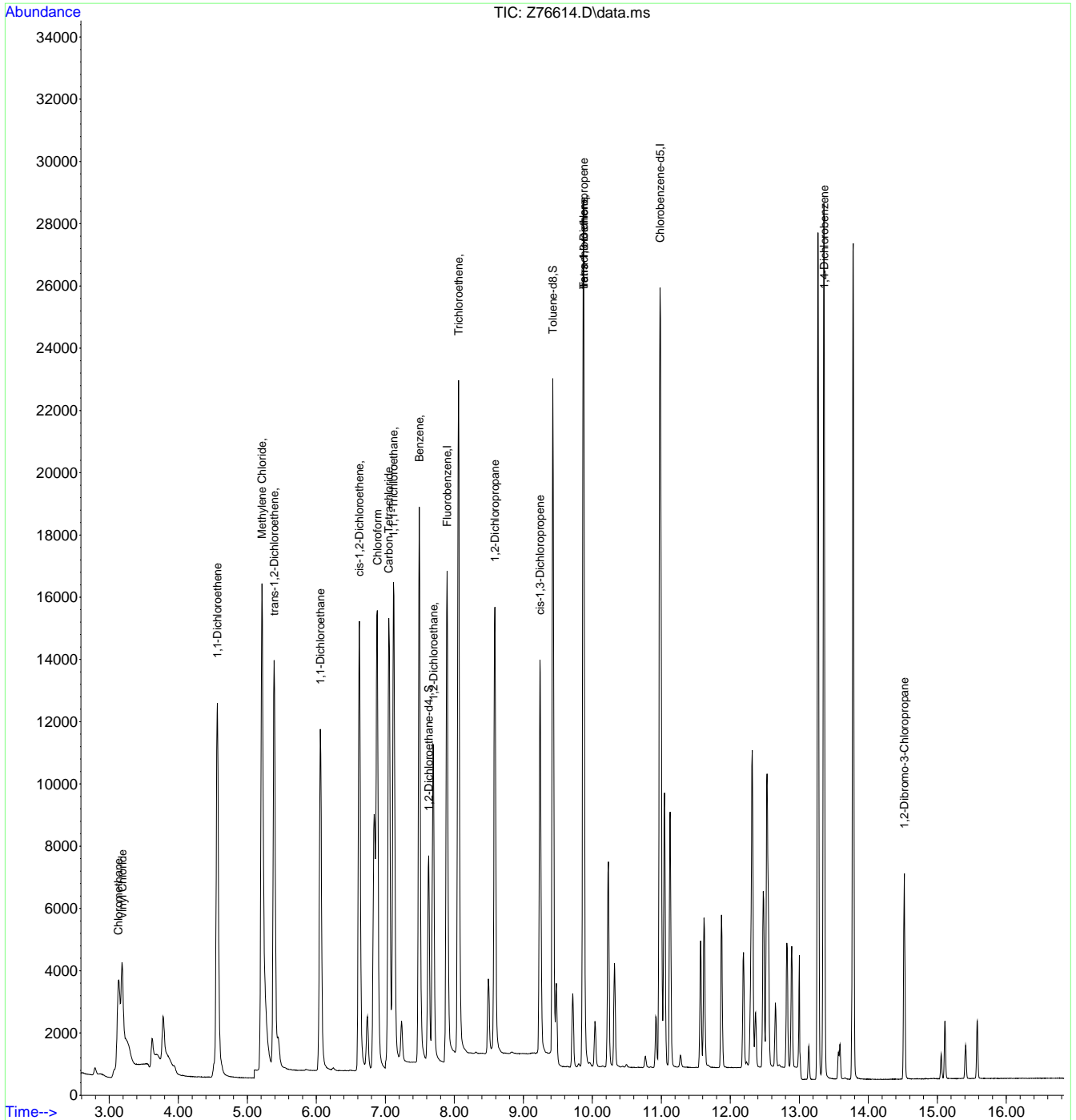


Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\082824\
 Data File : Z76614.D
 Acq On : 28 Aug 2024 1:18 pm
 Operator : claudias
 Sample : bs
 Misc : MS57344,VZ3085,,,,,
 ALS Vial : 3 Sample Multiplier: 1

Inst : MSVOA15-Z

Quant Time: Aug 28 13:35:57 2024
 Quant Method : C:\msdchem\1\methods\SIMCL-08-28-2024.M
 Quant Title : Standard Methods 6200B
 QLast Update : Wed Aug 28 11:30:23 2024
 Response via : Initial Calibration



7.3.3
7

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\08-29-24\
 Data File : N0132343.D
 Acq On : 29 Aug 2024 7:14 am
 Operator : jeniferw
 Sample : BS
 Misc : MS57378,VN6711,,,,,
 ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 29 07:33:13 2024
 Quant Method : C:\msdchem\1\methods\SIMCL_VN6705_082024.M
 Quant Title : Standard Methods 6200B
 QLast Update : Tue Aug 20 14:01:28 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	

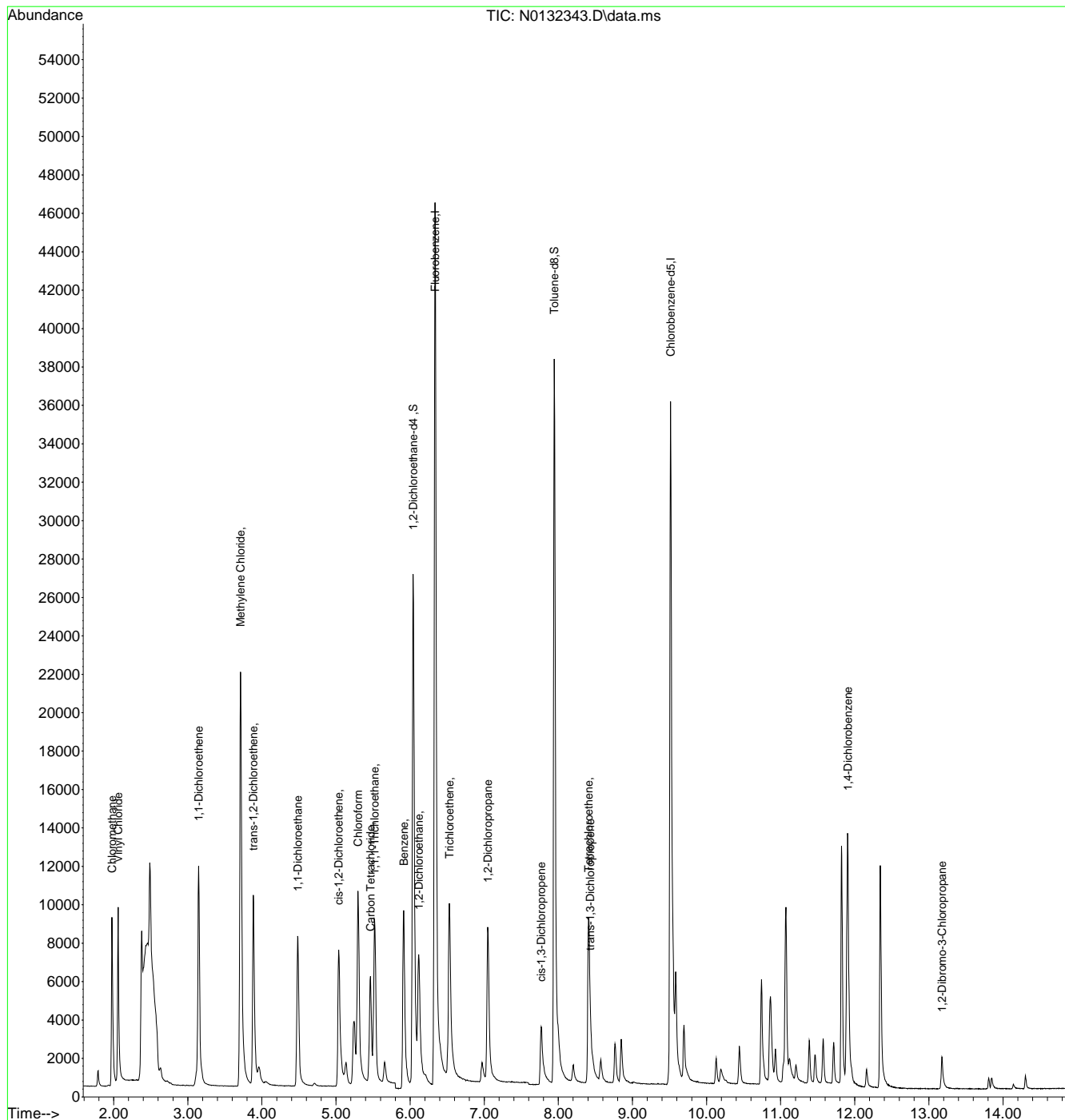
Internal Standards							
1) Fluorobenzene	6.335	96	57356	5.00	ug/L	0.00	
18) Chlorobenzene-d5	9.514	117	35866	5.00	ug/L	0.00	
System Monitoring Compounds							
13) 1,2-Dichloroethane-d4	6.041	65	23683	4.80	ug/L	0.00	
Spiked Amount	5.000	Range 74 - 125	Recovery	=	96.00%		
19) Toluene-d8	7.945	98	41483	5.24	ug/L	0.00	
Spiked Amount	5.000	Range 88 - 111	Recovery	=	104.80%		
Target Compounds							
							Qvalue
2) Vinyl Chloride	2.059	62	8089	6.37	ug/L		99
3) Chloromethane	1.977	50	9146	5.40	ug/L		99
4) 1,1-Dichloroethene	3.147	61	8326	4.93	ug/L		90
5) Methylene Chloride	3.712	49	21338	9.28	ug/L		89
6) trans-1,2-Dichloroethene	3.883	61	7635	5.42	ug/L		95
7) 1,1-Dichloroethane	4.481	63	10112	5.35	ug/L		98
8) cis-1,2-Dichloroethene	5.036	96	4589	5.56	ug/L		95
9) Chloroform	5.296	83	10568	5.22	ug/L		97
10) Carbon Tetrachloride	5.466	117	4064	4.74	ug/L		97
11) 1,1,1-Trichloroethane	5.520	97	6283	5.15	ug/L		97
12) Benzene	5.915	78	16358	5.34	ug/L		96
14) 1,2-Dichloroethane	6.116	62	7963	5.50	ug/L		99
15) Trichloroethene	6.531	95	4454	5.16	ug/L		99
16) 1,2-Dichloropropane	7.047	63	5187	5.37	ug/L		100
17) cis-1,3-Dichloropropene	7.769	75	4078	5.33	ug/L		97
20) trans-1,3-Dichloropropene	8.429	75	3429	5.32	ug/L		92
21) Tetrachloroethene	8.407	166	4654	5.76	ug/L #		95
22) 1,4-Dichlorobenzene	11.906	146	10580	5.77	ug/L		98
23) 1,2-Dibromo-3-Chloropr...	13.176	75	849	5.65	ug/L		95

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\08-29-24\
 Data File : N0132343.D
 Acq On : 29 Aug 2024 7:14 am
 Operator : jeniferw
 Sample : BS
 Misc : MS57378,VN6711,,,,,
 ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 29 07:33:13 2024
 Quant Method : C:\msdchem\1\methods\SIMCL_VN6705_082024.M
 Quant Title : Standard Methods 6200B
 QLast Update : Tue Aug 20 14:01:28 2024
 Response via : Initial Calibration



7.3.4
7



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\08-26-24\
 Data File : N0132276.D
 Acq On : 26 Aug 2024 4:25 pm
 Operator : jeniferw
 Sample : FC18259-1MS
 Misc : MS57355,VN6708,,,,,
 ALS Vial : 26 Sample Multiplier: 1

Quant Time: Aug 27 05:08:50 2024
 Quant Method : C:\msdchem\1\methods\SIMCL_VN6705_082024.M
 Quant Title : Standard Methods 6200B
 QLast Update : Tue Aug 20 14:01:28 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	

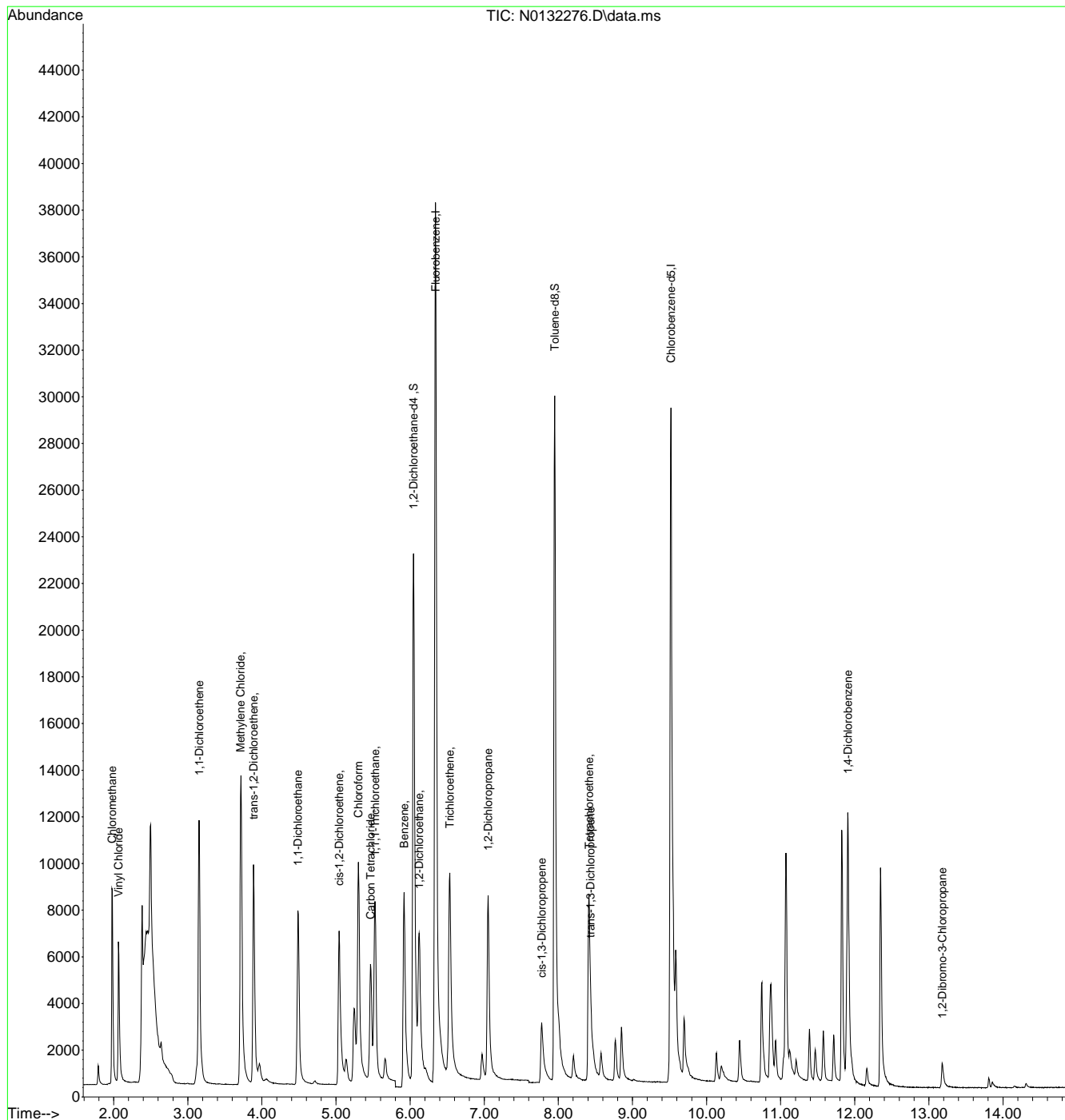
Internal Standards							
1) Fluorobenzene	6.341	96	48798	5.00	ug/L	0.00	
18) Chlorobenzene-d5	9.519	117	30819	5.00	ug/L	0.00	
System Monitoring Compounds							
13) 1,2-Dichloroethane-d4	6.045	65	21385	5.09	ug/L	0.00	
Spiked Amount	5.000	Range	74 - 125	Recovery	=	101.80%	
19) Toluene-d8	7.951	98	35412	5.21	ug/L	0.00	
Spiked Amount	5.000	Range	88 - 111	Recovery	=	104.20%	
Target Compounds							
							Qvalue
2) Vinyl Chloride	2.065	62	5823	5.39	ug/L		99
3) Chloromethane	1.977	50	7775	5.39	ug/L		98
4) 1,1-Dichloroethene	3.152	61	8313	5.79	ug/L		91
5) Methylene Chloride	3.712	49	13745	6.69	ug/L		99
6) trans-1,2-Dichloroethene	3.888	61	7165	5.98	ug/L		94
7) 1,1-Dichloroethane	4.487	63	9791	6.08	ug/L		99
8) cis-1,2-Dichloroethene	5.042	96	4269	6.07	ug/L		96
9) Chloroform	5.303	83	10132	5.95	ug/L		98
10) Carbon Tetrachloride	5.466	117	3710	5.08	ug/L		97
11) 1,1,1-Trichloroethane	5.527	97	5898	5.68	ug/L		98
12) Benzene	5.919	78	15541	5.96	ug/L		97
14) 1,2-Dichloroethane	6.121	62	7883	6.40	ug/L		100
15) Trichloroethene	6.537	95	4228	5.76	ug/L		96
16) 1,2-Dichloropropane	7.053	63	4883	5.94	ug/L		98
17) cis-1,3-Dichloropropene	7.775	75	3633	5.58	ug/L		97
20) trans-1,3-Dichloropropene	8.435	75	3164	5.67	ug/L		94
21) Tetrachloroethene	8.413	166	4613	6.65	ug/L #		96
22) 1,4-Dichlorobenzene	11.909	146	10074	6.39	ug/L		97
23) 1,2-Dibromo-3-Chloropr...	13.179	75	623	4.83	ug/L		94

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\08-26-24\
 Data File : N0132276.D
 Acq On : 26 Aug 2024 4:25 pm
 Operator : jeniferw
 Sample : FC18259-1MS
 Misc : MS57355,VN6708,,,,,
 ALS Vial : 26 Sample Multiplier: 1

Quant Time: Aug 27 05:08:50 2024
 Quant Method : C:\msdchem\1\methods\SIMCL_VN6705_082024.M
 Quant Title : Standard Methods 6200B
 QLast Update : Tue Aug 20 14:01:28 2024
 Response via : Initial Calibration



7.4.1
7



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\08-26-24\
 Data File : N0132277.D
 Acq On : 26 Aug 2024 4:49 pm
 Operator : jeniferw
 Sample : FC18259-1MSD
 Misc : MS57355,VN6708,,,,,
 ALS Vial : 27 Sample Multiplier: 1

Quant Time: Aug 27 05:08:52 2024
 Quant Method : C:\msdchem\1\methods\SIMCL_VN6705_082024.M
 Quant Title : Standard Methods 6200B
 QLast Update : Tue Aug 20 14:01:28 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

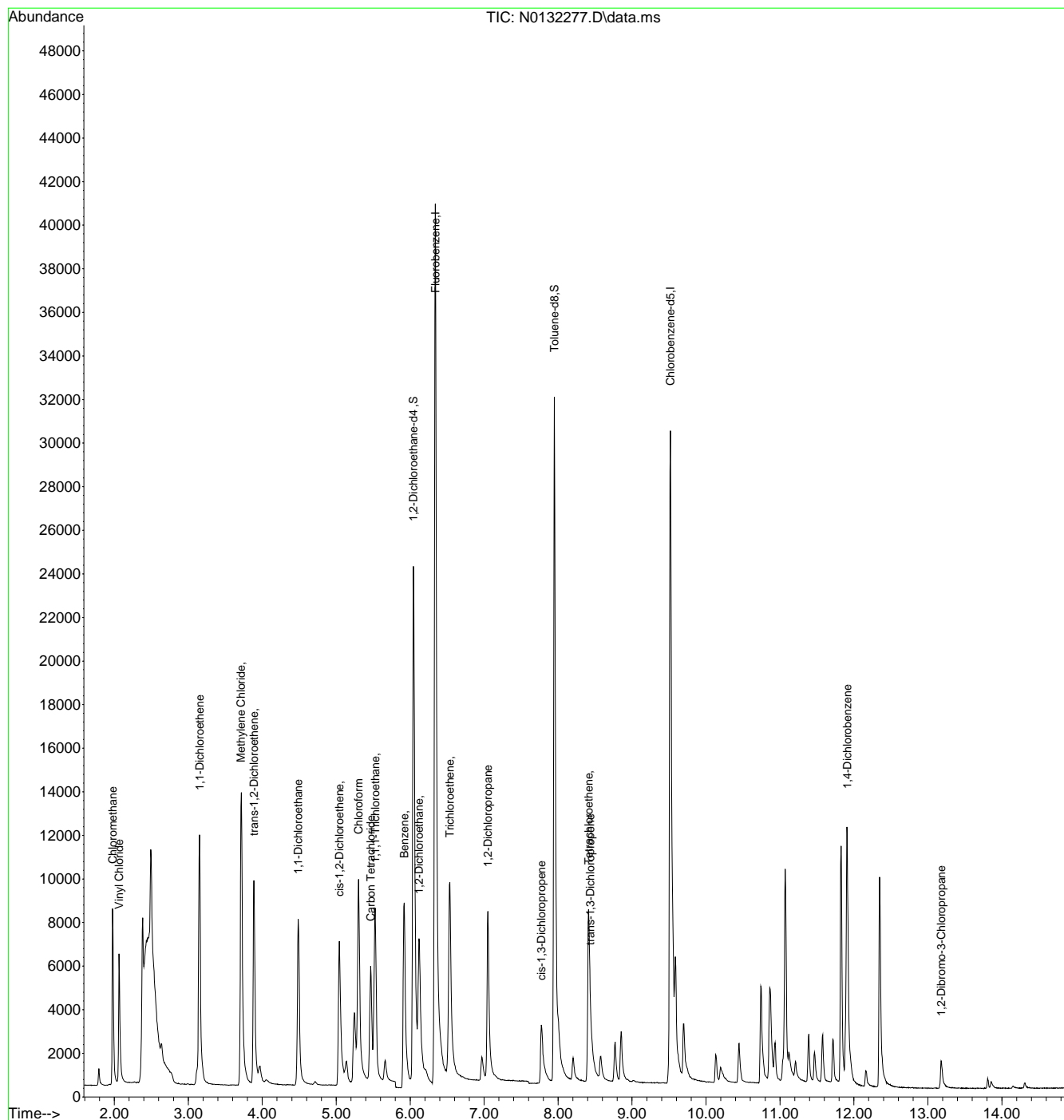
Internal Standards						
1) Fluorobenzene	6.341	96	51802	5.00	ug/L	0.00
18) Chlorobenzene-d5	9.519	117	36912	5.00	ug/L	0.00
System Monitoring Compounds						
13) 1,2-Dichloroethane-d4	6.045	65	22487	5.05	ug/L	0.00
Spiked Amount	5.000	Range 74 - 125	Recovery	=	101.00%	
19) Toluene-d8	7.951	98	37001	4.54	ug/L	0.00
Spiked Amount	5.000	Range 88 - 111	Recovery	=	90.80%	
Target Compounds						
						Qvalue
2) Vinyl Chloride	2.065	62	5550	4.84	ug/L	98
3) Chloromethane	1.977	50	7187	4.70	ug/L	99
4) 1,1-Dichloroethene	3.152	61	8466	5.55	ug/L	92
5) Methylene Chloride	3.712	49	14077	6.42	ug/L	99
6) trans-1,2-Dichloroethene	3.888	61	7213	5.67	ug/L	92
7) 1,1-Dichloroethane	4.487	63	9878	5.78	ug/L	99
8) cis-1,2-Dichloroethene	5.042	96	4387	5.88	ug/L	99
9) Chloroform	5.303	83	10121	5.56	ug/L	98
10) Carbon Tetrachloride	5.466	117	3861	4.98	ug/L	99
11) 1,1,1-Trichloroethane	5.527	97	6001	5.44	ug/L	97
12) Benzene	5.919	78	15873	5.74	ug/L	98
14) 1,2-Dichloroethane	6.121	62	8103	6.20	ug/L	98
15) Trichloroethene	6.537	95	4317	5.54	ug/L	97
16) 1,2-Dichloropropane	7.053	63	4924	5.64	ug/L	97
17) cis-1,3-Dichloropropene	7.775	75	3671	5.31	ug/L	98
20) trans-1,3-Dichloropropene	8.435	75	3252	4.94	ug/L	93
21) Tetrachloroethene	8.413	166	4567	5.49	ug/L #	98
22) 1,4-Dichlorobenzene	11.909	146	10147	5.38	ug/L	99
23) 1,2-Dibromo-3-Chloropr...	13.179	75	714	4.62	ug/L	92

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\08-26-24\
 Data File : N0132277.D
 Acq On : 26 Aug 2024 4:49 pm
 Operator : jeniferw
 Sample : FC18259-1MSD
 Misc : MS57355,VN6708,,,,,
 ALS Vial : 27 Sample Multiplier: 1

Quant Time: Aug 27 05:08:52 2024
 Quant Method : C:\msdchem\1\methods\SIMCL_VN6705_082024.M
 Quant Title : Standard Methods 6200B
 QLast Update : Tue Aug 20 14:01:28 2024
 Response via : Initial Calibration



7.4.2
7



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\082624\
 Data File : Z76598.D
 Acq On : 26 Aug 2024 6:31 pm
 Operator : claudias
 Sample : FC18153-14MS Inst : MSVOA15-Z
 Misc : MS57364,VZ3083,,,,,5
 ALS Vial : 25 Sample Multiplier: 1

Quant Time: Aug 27 06:13:37 2024
 Quant Method : C:\msdchem\1\methods\SIMCL-08-26-2024.M
 Quant Title : Standard Methods 6200B
 QLast Update : Mon Aug 26 13:08:06 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	

Internal Standards							
1) Fluorobenzene	7.894	96	20904	5.00	ug/L	0.00	
18) Chlorobenzene-d5	10.980	117	27201	5.00	ug/L	0.00	
System Monitoring Compounds							
13) 1,2-Dichloroethane-d4	7.628	65	9535	5.32	ug/L	0.00	
Spiked Amount	5.000	Range 74 - 125	Recovery	=	106.40%		
19) Toluene-d8	9.428	98	19737	4.47	ug/L	0.00	
Spiked Amount	5.000	Range 88 - 111	Recovery	=	89.40%		
Target Compounds							
							Qvalue
2) Vinyl Chloride	3.188	62	13724	5.52	ug/L		98
3) Chloromethane	3.125	50	18152	5.46	ug/L		99
4) 1,1-Dichloroethene	4.566	61	18120	5.73	ug/L		96
5) Methylene Chloride	5.213	49	23299	5.74	ug/L		90
6) trans-1,2-Dichloroethene	5.389	61	17275	5.58	ug/L		94
7) 1,1-Dichloroethane	6.059	63	23085	5.57	ug/L		99
8) cis-1,2-Dichloroethene	6.625	96	11488	5.35	ug/L		94
9) Chloroform	6.883	83	25498	5.70	ug/L		98
10) Carbon Tetrachloride	7.051	117	18078	5.80	ug/L		98
11) 1,1,1-Trichloroethane	7.126	97	20690	5.93	ug/L		95
12) Benzene	7.492	78	34130	5.26	ug/L		99
14) 1,2-Dichloroethane	7.696	62	16866	5.56	ug/L		93
15) Trichloroethene	8.060	95	10868	5.62	ug/L		92
16) 1,2-Dichloropropane	8.588	63	10151	5.33	ug/L		91
17) cis-1,3-Dichloropropene	9.246	75	8879	4.75	ug/L		100
20) trans-1,3-Dichloropropene	9.874	75	8134	4.25	ug/L		94
21) Tetrachloroethene	9.874	166	12343	5.51	ug/L #		97
22) 1,4-Dichlorobenzene	13.354	146	26056	5.07	ug/L		97
23) 1,2-Dibromo-3-Chloropr...	14.517	75	2269	4.97	ug/L #		76

(#) = qualifier out of range (m) = manual integration (+) = signals summed

7.4.3
7

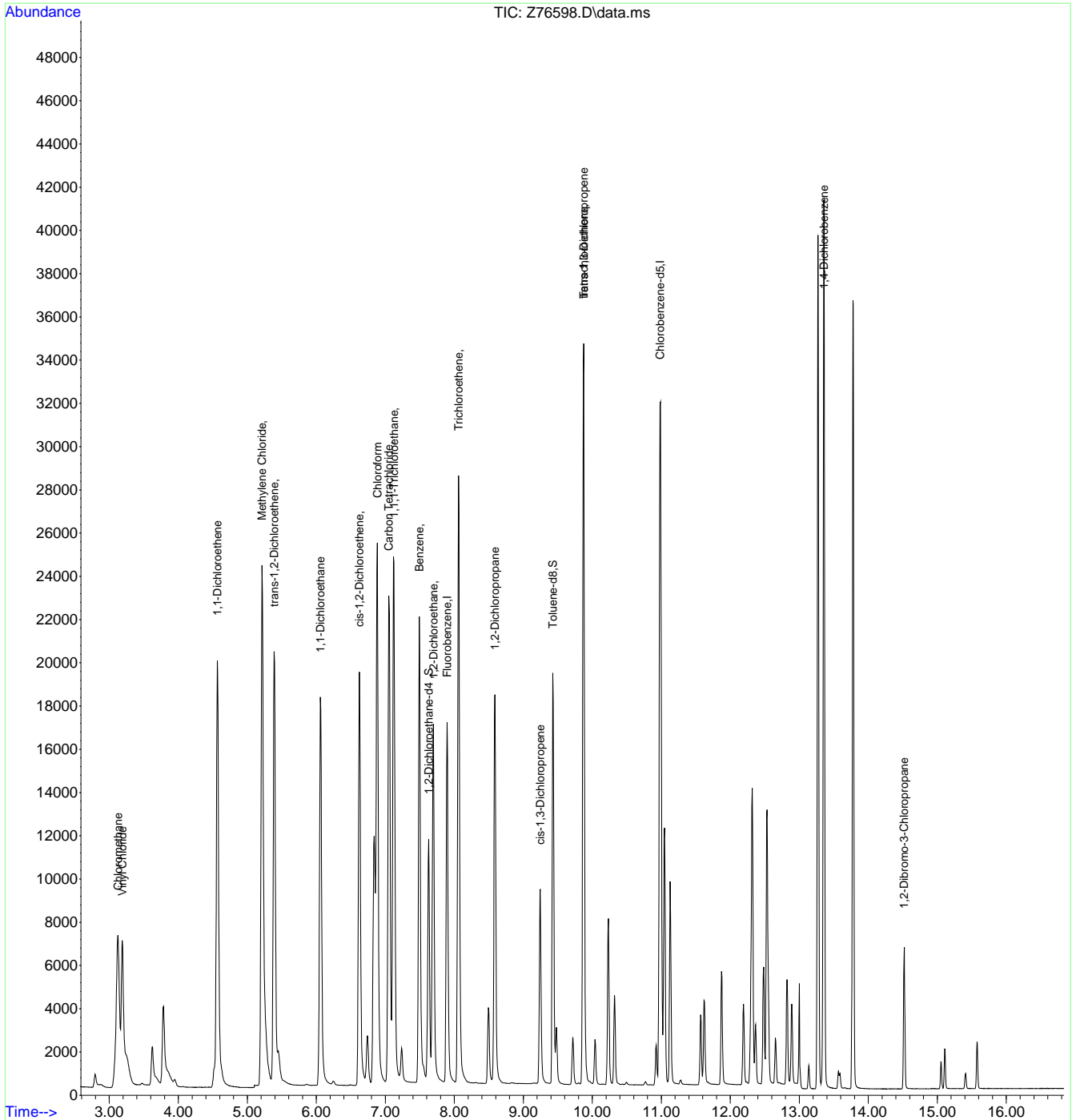


Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\082624\
 Data File : Z76598.D
 Acq On : 26 Aug 2024 6:31 pm
 Operator : claudias
 Sample : FC18153-14MS
 Misc : MS57364,VZ3083,,,,,5
 ALS Vial : 25 Sample Multiplier: 1

Inst : MSVOA15-Z

Quant Time: Aug 27 06:13:37 2024
 Quant Method : C:\msdchem\1\methods\SIMCL-08-26-2024.M
 Quant Title : Standard Methods 6200B
 QLast Update : Mon Aug 26 13:08:06 2024
 Response via : Initial Calibration



7.4.3
7



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\082624\
 Data File : Z76599.D
 Acq On : 26 Aug 2024 6:54 pm
 Operator : claudias
 Sample : FC18153-14MSD Inst : MSVOA15-Z
 Misc : MS57364,VZ3083,,,,,5
 ALS Vial : 26 Sample Multiplier: 1

Quant Time: Aug 27 06:13:39 2024
 Quant Method : C:\msdchem\1\methods\SIMCL-08-26-2024.M
 Quant Title : Standard Methods 6200B
 QLast Update : Mon Aug 26 13:08:06 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	

Internal Standards							
1) Fluorobenzene	7.895	96	22346	5.00	ug/L	0.00	
18) Chlorobenzene-d5	10.981	117	28619	5.00	ug/L	0.00	
System Monitoring Compounds							
13) 1,2-Dichloroethane-d4	7.628	65	9777	5.11	ug/L	0.00	
Spiked Amount	5.000	Range	74 - 125	Recovery	=	102.20%	
19) Toluene-d8	9.428	98	21351	4.60	ug/L	0.00	
Spiked Amount	5.000	Range	88 - 111	Recovery	=	92.00%	
Target Compounds							
							Qvalue
2) Vinyl Chloride	3.188	62	14793	5.57	ug/L		99
3) Chloromethane	3.121	50	19249	5.42	ug/L		99
4) 1,1-Dichloroethene	4.566	61	20114	5.97	ug/L		97
5) Methylene Chloride	5.213	49	26861	6.25	ug/L		92
6) trans-1,2-Dichloroethene	5.389	61	19128	5.79	ug/L		97
7) 1,1-Dichloroethane	6.059	63	25251	5.71	ug/L		99
8) cis-1,2-Dichloroethene	6.625	96	13171	5.75	ug/L		96
9) Chloroform	6.883	83	27644	5.78	ug/L		98
10) Carbon Tetrachloride	7.051	117	19436	5.84	ug/L		98
11) 1,1,1-Trichloroethane	7.119	97	22427	6.02	ug/L		92
12) Benzene	7.493	78	38102	5.50	ug/L		98
14) 1,2-Dichloroethane	7.696	62	18552	5.73	ug/L		93
15) Trichloroethene	8.061	95	11900	5.76	ug/L		93
16) 1,2-Dichloropropane	8.588	63	11411	5.61	ug/L		91
17) cis-1,3-Dichloropropene	9.246	75	10331	5.15	ug/L		100
20) trans-1,3-Dichloropropene	9.874	75	9331	4.60	ug/L		95
21) Tetrachloroethene	9.874	166	13389	5.68	ug/L #		97
22) 1,4-Dichlorobenzene	13.354	146	28730	5.31	ug/L		97
23) 1,2-Dibromo-3-Chloropr...	14.521	75	2496	5.19	ug/L		81

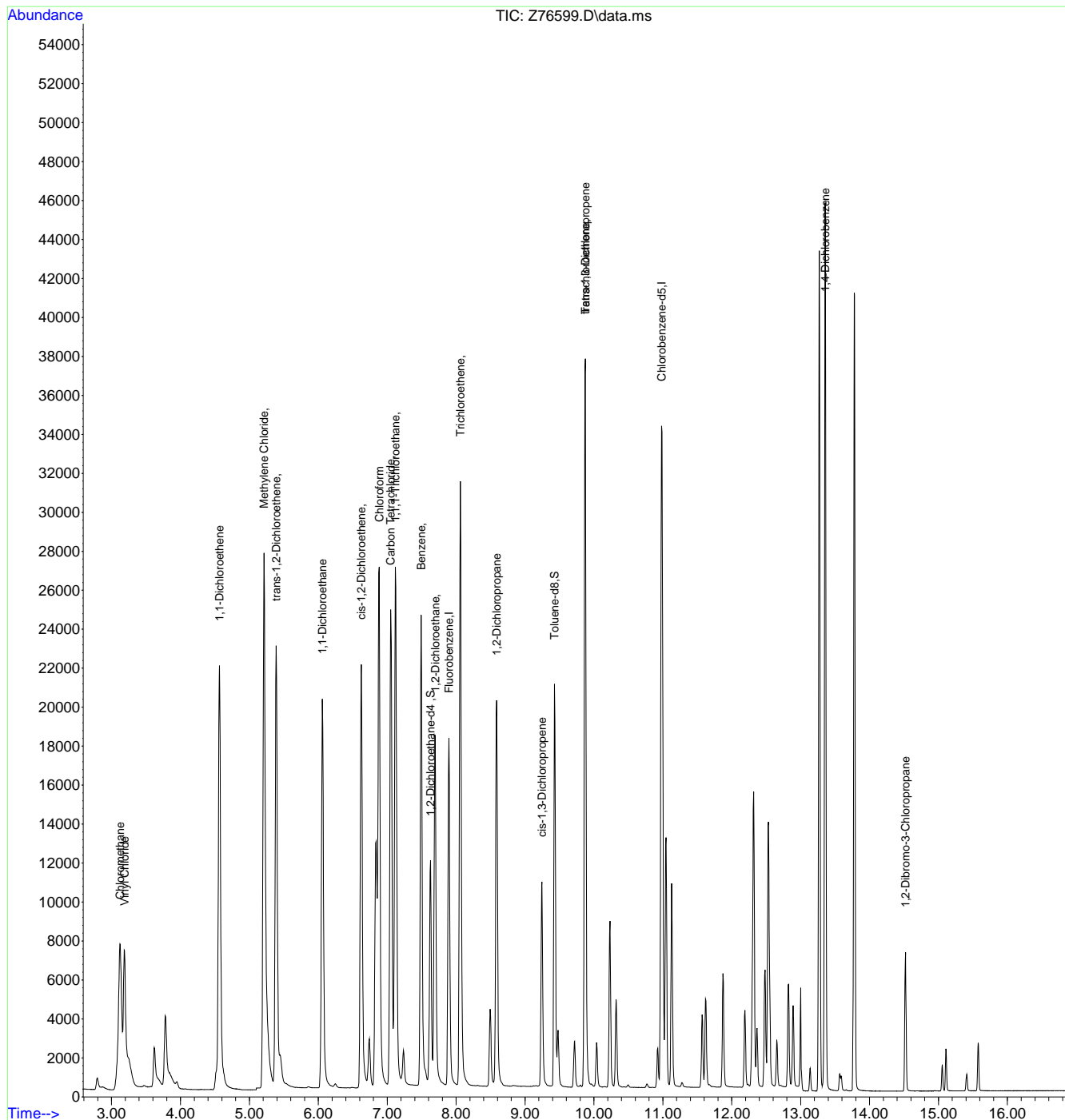
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\082624\
Data File : Z76599.D
Acq On : 26 Aug 2024 6:54 pm
Operator : claudias
Sample : FC18153-14MSD
Misc : MS57364,VZ3083,,,,,5
ALS Vial : 26 Sample Multiplier: 1

Inst : MSVOA15-Z

Quant Time: Aug 27 06:13:39 2024
Quant Method : C:\msdchem\1\methods\SIMCL-08-26-2024.M
Quant Title : Standard Methods 6200B
QLast Update : Mon Aug 26 13:08:06 2024
Response via : Initial Calibration



7.4.4
7



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\082824\
 Data File : Z76637.D
 Acq On : 28 Aug 2024 10:38 pm
 Operator : claudias
 Sample : FC18258-5MS Inst : MSVOA15-Z
 Misc : MS57380,VZ3085,,,,,5
 ALS Vial : 26 Sample Multiplier: 1

Quant Time: Aug 29 06:24:44 2024
 Quant Method : C:\msdchem\1\methods\SIMCL-08-28-2024.M
 Quant Title : Standard Methods 6200B
 QLast Update : Wed Aug 28 11:30:23 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	

Internal Standards							
1) Fluorobenzene	7.894	96	20699	5.00	ug/L	0.00	
18) Chlorobenzene-d5	10.980	117	22181	5.00	ug/L	0.00	
System Monitoring Compounds							
13) 1,2-Dichloroethane-d4	7.628	65	6656	5.31	ug/L	0.00	
Spiked Amount	5.000	Range 74 - 125	Recovery	=	106.20%		
19) Toluene-d8	9.428	98	23981	4.85	ug/L	0.00	
Spiked Amount	5.000	Range 88 - 111	Recovery	=	97.00%		
Target Compounds							
							Qvalue
2) Vinyl Chloride	3.188	62	8575	4.08	ug/L		98
3) Chloromethane	3.129	50	9645	4.04	ug/L		99
4) 1,1-Dichloroethene	4.566	61	12427	5.29	ug/L		98
5) Methylene Chloride	5.213	49	20174	7.28	ug/L		96
6) trans-1,2-Dichloroethene	5.389	61	11813	5.24	ug/L		97
7) 1,1-Dichloroethane	6.059	63	15651	5.86	ug/L		100
8) cis-1,2-Dichloroethene	6.625	96	9389	5.15	ug/L		95
9) Chloroform	6.883	83	16999	4.88	ug/L		97
10) Carbon Tetrachloride	7.051	117	11926	4.59	ug/L		98
11) 1,1,1-Trichloroethane	7.119	97	14505	5.15	ug/L		95
12) Benzene	7.492	78	30189	5.03	ug/L		96
14) 1,2-Dichloroethane	7.696	62	11693	5.30	ug/L		95
15) Trichloroethene	8.060	95	8129	5.01	ug/L		91
16) 1,2-Dichloropropane	8.588	63	8487	5.16	ug/L		92
17) cis-1,3-Dichloropropene	9.246	75	11664	4.58	ug/L		94
20) trans-1,3-Dichloropropene	9.874	75	9590	4.02	ug/L		93
21) Tetrachloroethene	9.874	166	7484	4.45	ug/L #		91
22) 1,4-Dichlorobenzene	13.354	146	17117	4.54	ug/L		93
23) 1,2-Dibromo-3-Chloropr...	14.517	75	2306	4.46	ug/L #		70

(#) = qualifier out of range (m) = manual integration (+) = signals summed

7.4.5
7

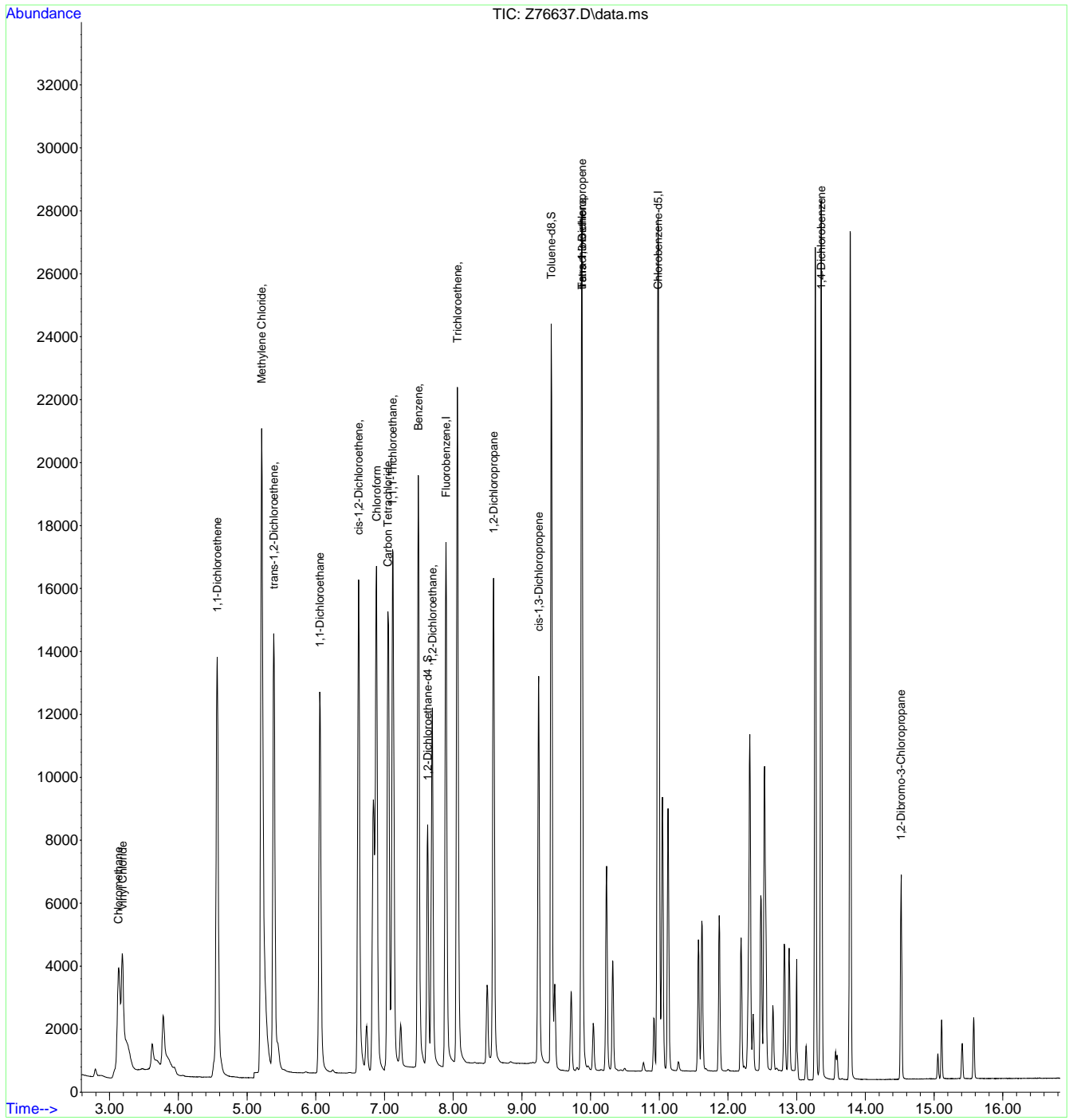


Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\082824\
Data File : Z76637.D
Acq On : 28 Aug 2024 10:38 pm
Operator : claudias
Sample : FC18258-5MS
Misc : MS57380,VZ3085,,,,,5
ALS Vial : 26 Sample Multiplier: 1

Inst : MSVOA15-Z

Quant Time: Aug 29 06:24:44 2024
Quant Method : C:\msdchem\1\methods\SIMCL-08-28-2024.M
Quant Title : Standard Methods 6200B
QLast Update : Wed Aug 28 11:30:23 2024
Response via : Initial Calibration



7.4.5
7



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\082824\
 Data File : Z76638.D
 Acq On : 28 Aug 2024 11:01 pm
 Operator : claudias
 Sample : FC18258-5msd Inst : MSVOA15-Z
 Misc : MS57380,VZ3085,,,,,5
 ALS Vial : 27 Sample Multiplier: 1

Quant Time: Aug 29 06:24:46 2024
 Quant Method : C:\msdchem\1\methods\SIMCL-08-28-2024.M
 Quant Title : Standard Methods 6200B
 QLast Update : Wed Aug 28 11:30:23 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	

Internal Standards							
1) Fluorobenzene	7.895	96	21102	5.00	ug/L	0.00	
18) Chlorobenzene-d5	10.980	117	22500	5.00	ug/L	0.00	
System Monitoring Compounds							
13) 1,2-Dichloroethane-d4	7.628	65	6603	5.17	ug/L	0.00	
Spiked Amount	5.000	Range	74 - 125	Recovery	=	103.40%	
19) Toluene-d8	9.428	98	24444	4.87	ug/L	0.00	
Spiked Amount	5.000	Range	88 - 111	Recovery	=	97.40%	
Target Compounds							
							Qvalue
2) Vinyl Chloride	3.183	62	9038	4.23	ug/L		99
3) Chloromethane	3.129	50	10029	4.12	ug/L		99
4) 1,1-Dichloroethene	4.561	61	12070	5.03	ug/L		96
5) Methylene Chloride	5.213	49	18982	6.63	ug/L		97
6) trans-1,2-Dichloroethene	5.389	61	11475	4.99	ug/L		98
7) 1,1-Dichloroethane	6.059	63	15146	5.56	ug/L		100
8) cis-1,2-Dichloroethene	6.625	96	9074	4.87	ug/L		97
9) Chloroform	6.883	83	16455	4.61	ug/L		98
10) Carbon Tetrachloride	7.051	117	11557	4.35	ug/L		98
11) 1,1,1-Trichloroethane	7.119	97	14080	4.89	ug/L		95
12) Benzene	7.492	78	29142	4.76	ug/L		95
14) 1,2-Dichloroethane	7.696	62	11335	5.03	ug/L		95
15) Trichloroethene	8.061	95	7807	4.71	ug/L		91
16) 1,2-Dichloropropane	8.588	63	8176	4.87	ug/L		92
17) cis-1,3-Dichloropropene	9.246	75	11145	4.29	ug/L		94
20) trans-1,3-Dichloropropene	9.874	75	9201	3.80	ug/L		93
21) Tetrachloroethene	9.874	166	7270	4.26	ug/L #		93
22) 1,4-Dichlorobenzene	13.354	146	16593	4.34	ug/L		93
23) 1,2-Dibromo-3-Chloropr...	14.520	75	2220	4.22	ug/L #		77

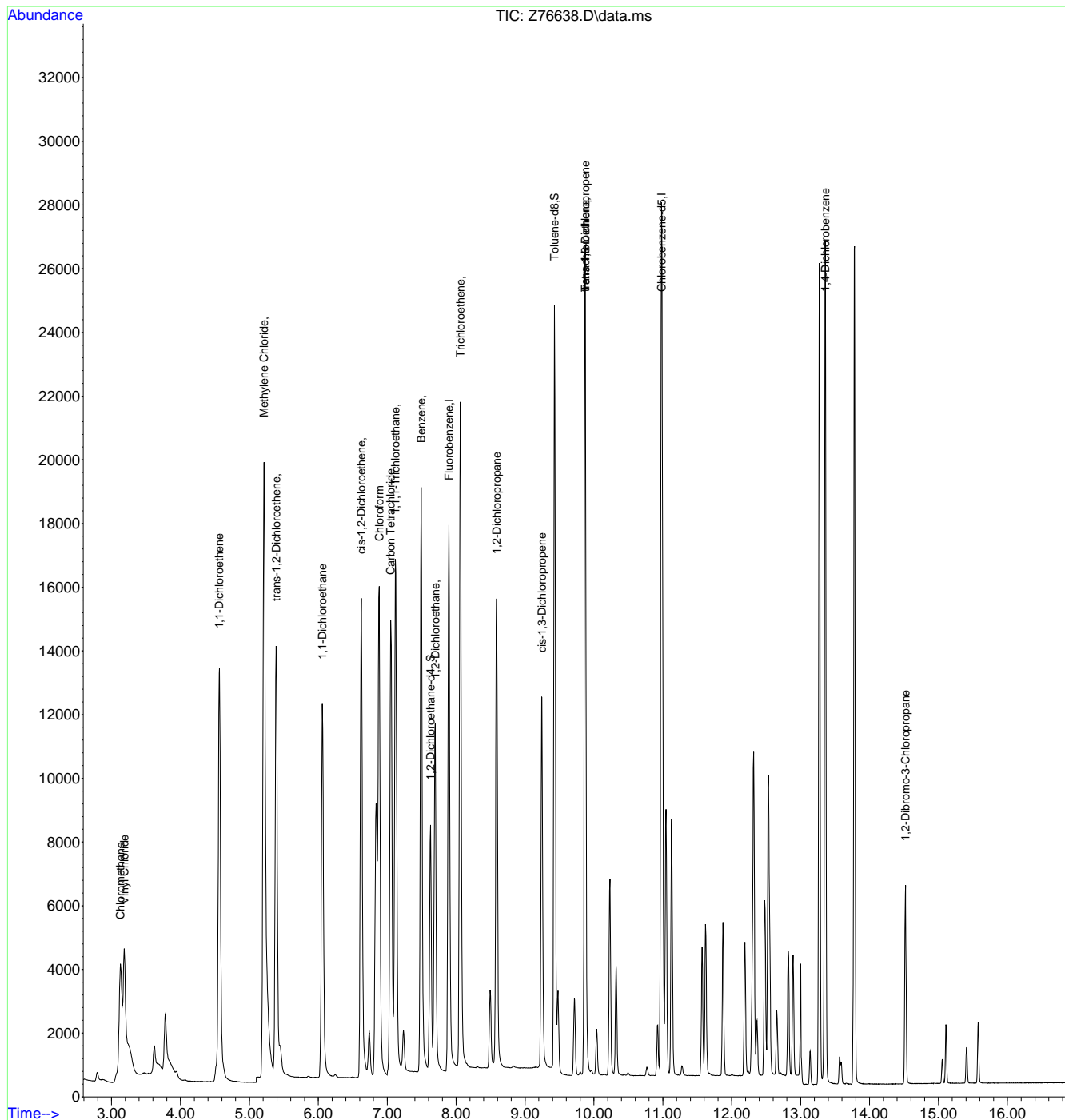
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\082824\
 Data File : Z76638.D
 Acq On : 28 Aug 2024 11:01 pm
 Operator : claudias
 Sample : FC18258-5msd
 Misc : MS57380,VZ3085,,,,,5
 ALS Vial : 27 Sample Multiplier: 1

Inst : MSVOA15-Z

Quant Time: Aug 29 06:24:46 2024
 Quant Method : C:\msdchem\1\methods\SIMCL-08-28-2024.M
 Quant Title : Standard Methods 6200B
 QLast Update : Wed Aug 28 11:30:23 2024
 Response via : Initial Calibration



7.4.6
7



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\08-29-24\
 Data File : N0132367.D
 Acq On : 29 Aug 2024 4:41 pm
 Operator : jeniferw
 Sample : FC18256-4MS
 Misc : MS57382,VN6711,,,,,5
 ALS Vial : 26 Sample Multiplier: 1

Quant Time: Aug 30 12:00:51 2024
 Quant Method : C:\msdchem\1\methods\SIMCL_VN6705_082024.M
 Quant Title : Standard Methods 6200B
 QLast Update : Tue Aug 20 14:01:28 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	

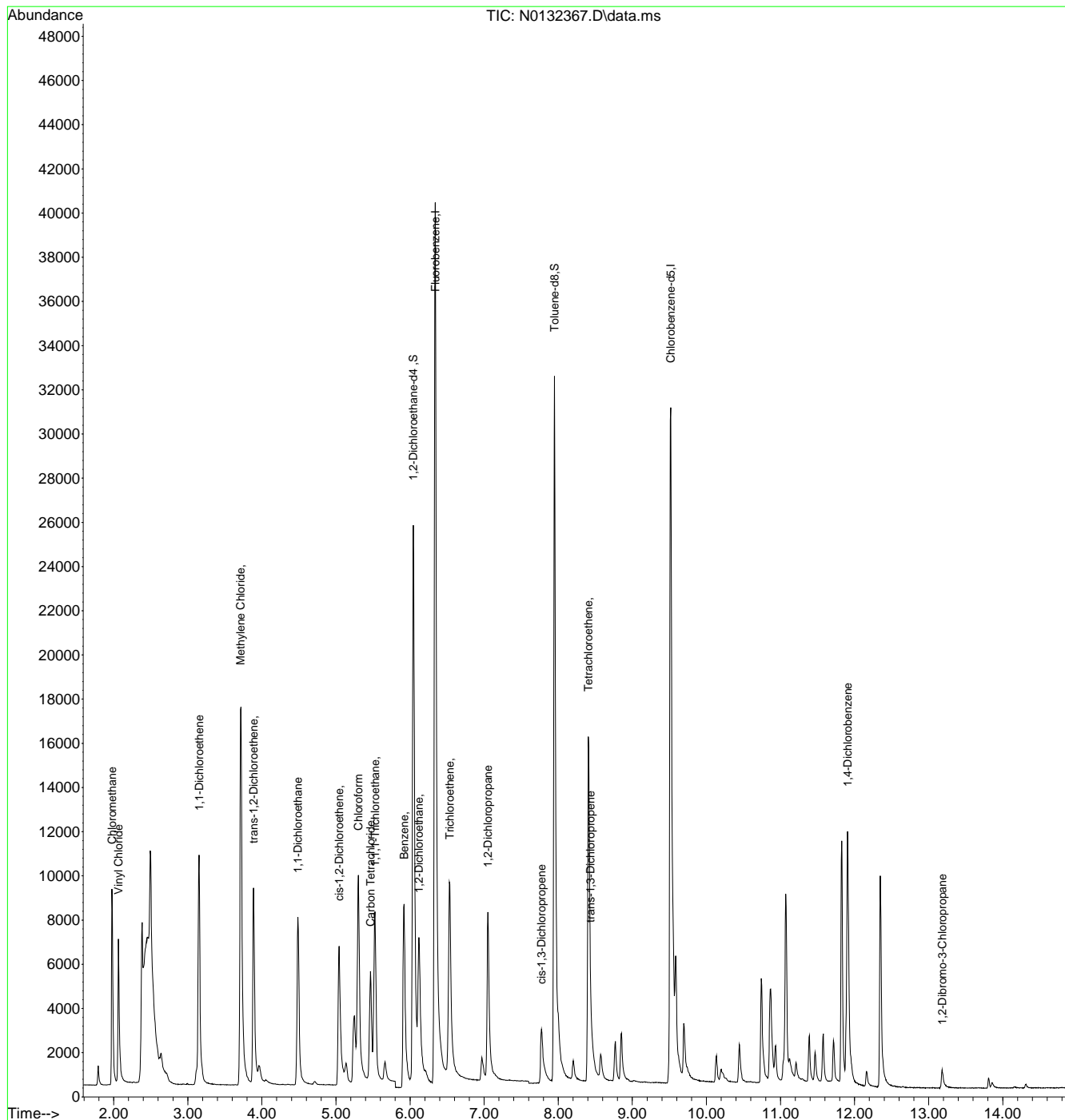
Internal Standards							
1) Fluorobenzene	6.341	96	51589	5.00	ug/L	0.00	
18) Chlorobenzene-d5	9.519	117	33202	5.00	ug/L	0.00	
System Monitoring Compounds							
13) 1,2-Dichloroethane-d4	6.045	65	23715	5.34	ug/L	0.00	
Spiked Amount	5.000	Range 74 - 125	Recovery	=	106.80%		
19) Toluene-d8	7.951	98	37547	5.12	ug/L	0.00	
Spiked Amount	5.000	Range 88 - 111	Recovery	=	102.40%		
Target Compounds							
							Qvalue
2) Vinyl Chloride	2.065	62	6265	5.49	ug/L		100
3) Chloromethane	1.977	50	8550	5.61	ug/L		99
4) 1,1-Dichloroethene	3.152	61	7637	5.03	ug/L		89
5) Methylene Chloride	3.712	49	17774	8.46	ug/L		96
6) trans-1,2-Dichloroethene	3.888	61	6864	5.42	ug/L		91
7) 1,1-Dichloroethane	4.487	63	9857	5.79	ug/L		100
8) cis-1,2-Dichloroethene	5.041	96	4161	5.60	ug/L		98
9) Chloroform	5.303	83	10201	5.64	ug/L		98
10) Carbon Tetrachloride	5.466	117	3600	4.67	ug/L		95
11) 1,1,1-Trichloroethane	5.527	97	5773	5.26	ug/L		98
12) Benzene	5.919	78	15287	5.55	ug/L		97
14) 1,2-Dichloroethane	6.121	62	8032	6.17	ug/L		99
15) Trichloroethene	6.537	95	4275	5.51	ug/L		96
16) 1,2-Dichloropropane	7.052	63	4928	5.67	ug/L		96
17) cis-1,3-Dichloropropene	7.774	75	3439	5.00	ug/L		98
20) trans-1,3-Dichloropropene	8.435	75	2993	5.05	ug/L		96
21) Tetrachloroethene	8.407	166	8708	11.65	ug/L #		96
22) 1,4-Dichlorobenzene	11.906	146	9618	5.67	ug/L		94
23) 1,2-Dibromo-3-Chloropr...	13.183	75	566m	4.07	ug/L		

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\08-29-24\
 Data File : N0132367.D
 Acq On : 29 Aug 2024 4:41 pm
 Operator : jeniferw
 Sample : FC18256-4MS
 Misc : MS57382,VN6711,,,,,5
 ALS Vial : 26 Sample Multiplier: 1

Quant Time: Aug 30 12:00:51 2024
 Quant Method : C:\msdchem\1\methods\SIMCL_VN6705_082024.M
 Quant Title : Standard Methods 6200B
 QLast Update : Tue Aug 20 14:01:28 2024
 Response via : Initial Calibration



7.4.7
7



Manual Integration Approval Summary

Sample Number: FC18256-4MS **Method:** SW846 8260D BY SIM
Lab FileID: N0132367.D **Analyst approved:** 08/30/24 12:06 Jenifer Willis
Injection Time: 08/29/24 16:41 **Supervisor approved:** 08/30/24 13:18 Karen Watson

Parameter	CAS	Sig#	R.T. (min.)	Reason
1,2-Dibromo-3-chloropropane	96-12-8		13.18	Missed peak

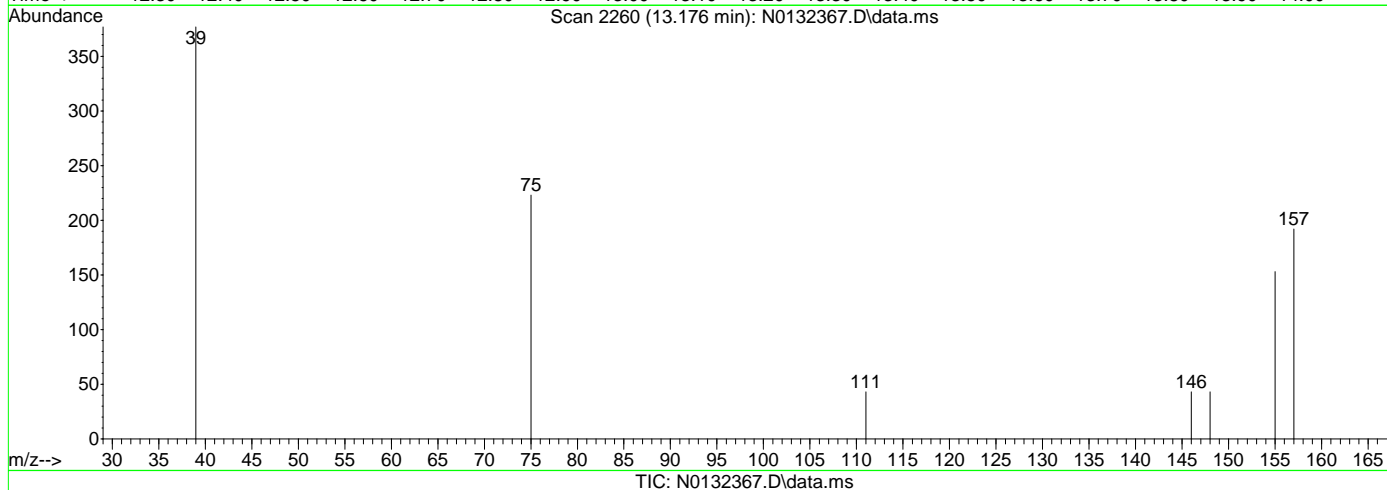
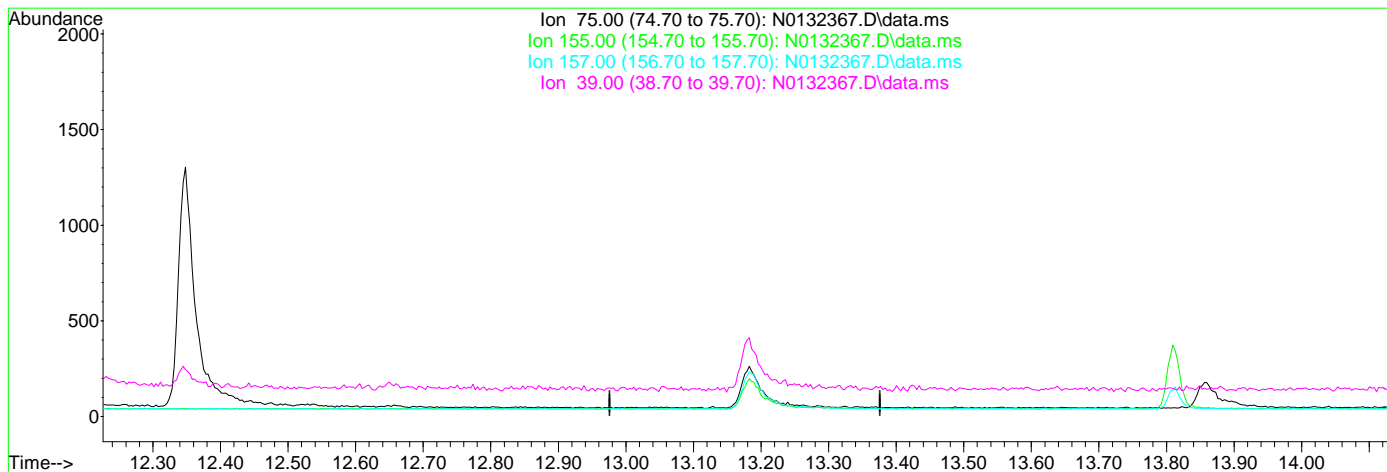
7.4.7.1

7

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\08-29-24\
 Data File : N0132367.D
 Acq On : 29 Aug 2024 4:41 pm
 Operator : jeniferw
 Sample : FC18256-4MS
 Misc : MS57382,VN6711,,,,,5
 ALS Vial : 26 Sample Multiplier: 1

Quant Time: Aug 30 06:42:22 2024
 Quant Method : C:\msdchem\1\methods\SIMCL_VN6705_082024.M
 Quant Title : Standard Methods 6200B
 QLast Update : Tue Aug 20 14:01:28 2024
 Response via : Initial Calibration



(23) 1,2-Dibromo-3-Chloropropane

13.176min (-13.176) 0.00ug/L

response 0

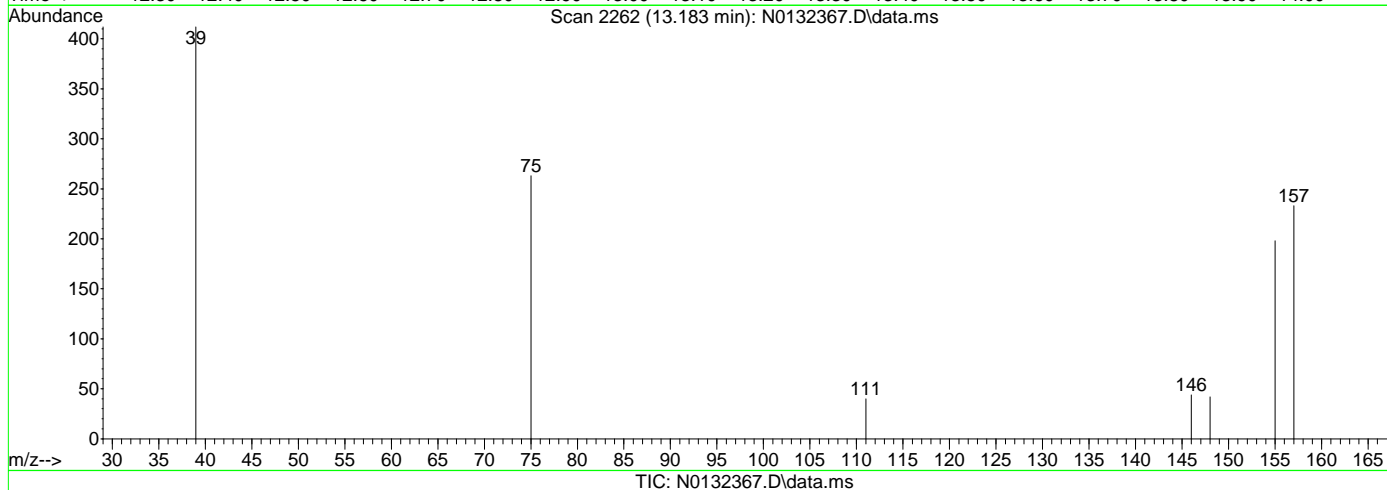
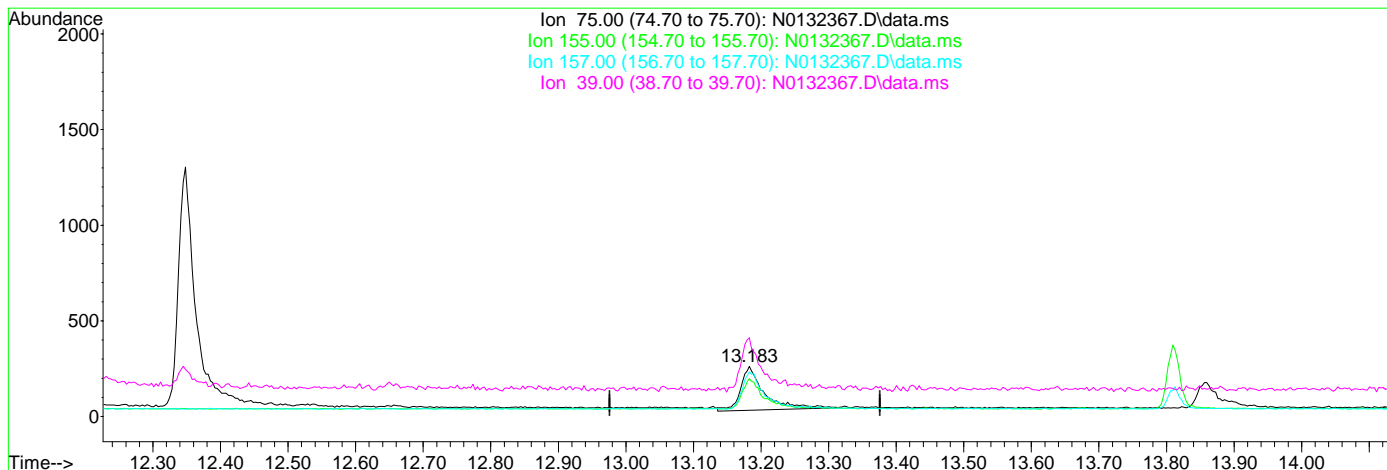
Ion	Exp%	Act%
75.00	100	0.00
155.00	72.00	0.00#
157.00	87.40	0.00#
39.00	113.50	0.00#

7.4.7.2
7

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\08-29-24\
 Data File : N0132367.D
 Acq On : 29 Aug 2024 4:41 pm
 Operator : jeniferw
 Sample : FC18256-4MS
 Misc : MS57382,VN6711,,,,,5
 ALS Vial : 26 Sample Multiplier: 1

Quant Time: Aug 30 06:42:22 2024
 Quant Method : C:\msdchem\1\methods\SIMCL_VN6705_082024.M
 Quant Title : Standard Methods 6200B
 QLast Update : Tue Aug 20 14:01:28 2024
 Response via : Initial Calibration



(23) 1,2-Dibromo-3-Chloropropane

13.183min (+0.007) 4.07ug/L m

response 566

Ion	Exp%	Act%
75.00	100	100
155.00	72.00	75.29
157.00	87.40	88.59
39.00	113.50	156.65#

7.4.7.3
7

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\08-29-24\
 Data File : N0132368.D
 Acq On : 29 Aug 2024 5:05 pm
 Operator : jeniferw
 Sample : FC18256-4MSD
 Misc : MS57382,VN6711,,,,,5
 ALS Vial : 27 Sample Multiplier: 1

Quant Time: Aug 30 06:42:24 2024
 Quant Method : C:\msdchem\1\methods\SIMCL_VN6705_082024.M
 Quant Title : Standard Methods 6200B
 QLast Update : Tue Aug 20 14:01:28 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

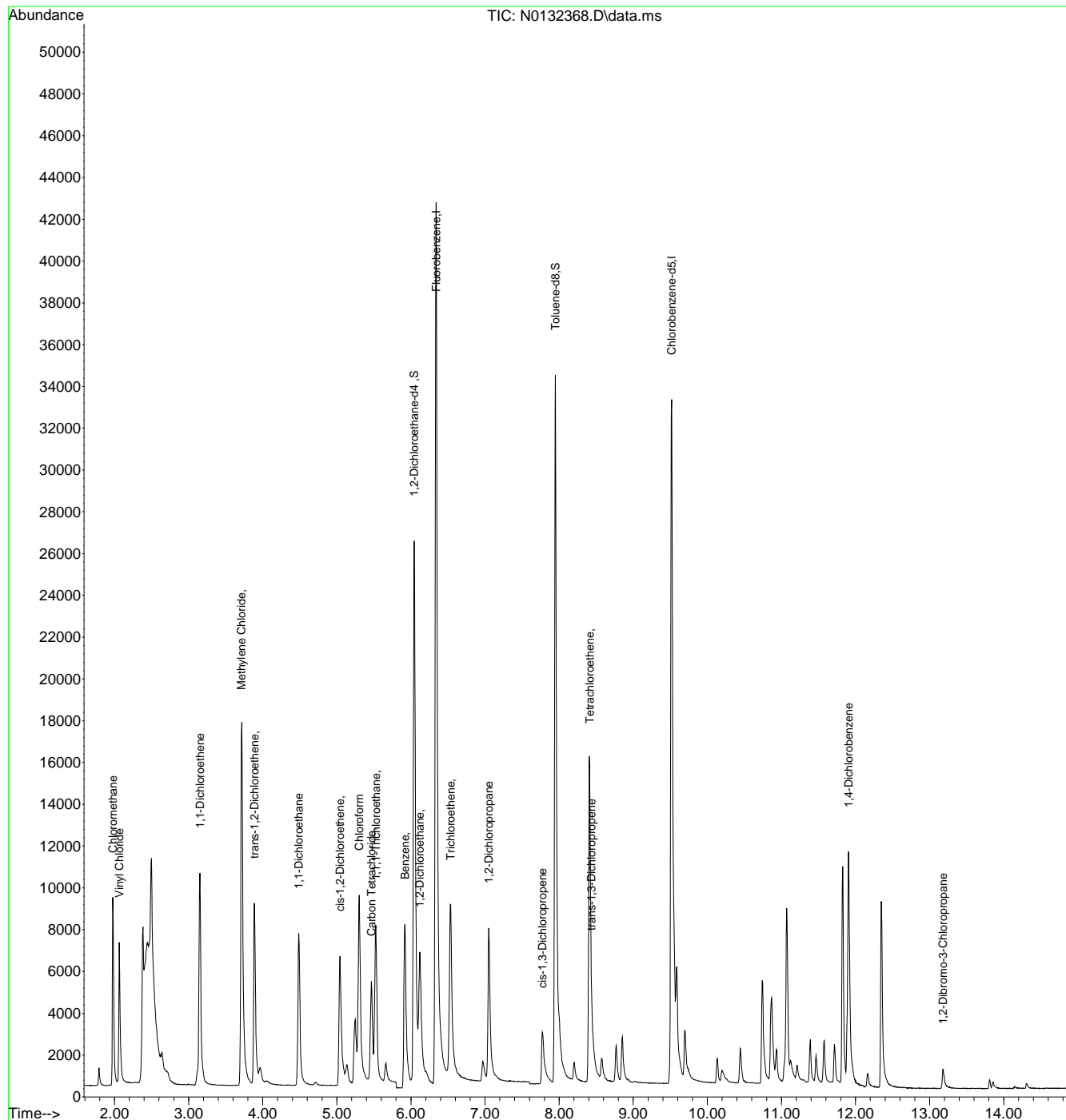
Internal Standards						
1) Fluorobenzene	6.341	96	54534	5.00	ug/L	0.00
18) Chlorobenzene-d5	9.519	117	40142	5.00	ug/L	0.00
System Monitoring Compounds						
13) 1,2-Dichloroethane-d4	6.045	65	24469	5.22	ug/L	0.00
Spiked Amount	5.000	Range 74 - 125	Recovery	=	104.40%	
19) Toluene-d8	7.951	98	40534	4.58	ug/L	0.00
Spiked Amount	5.000	Range 88 - 111	Recovery	=	91.60%	
Target Compounds						
						Qvalue
2) Vinyl Chloride	2.065	62	6309	5.23	ug/L	99
3) Chloromethane	1.977	50	8163	5.07	ug/L	98
4) 1,1-Dichloroethene	3.152	61	7476	4.66	ug/L	89
5) Methylene Chloride	3.712	49	17996	8.04	ug/L	98
6) trans-1,2-Dichloroethene	3.888	61	6761	5.05	ug/L	91
7) 1,1-Dichloroethane	4.487	63	9405	5.23	ug/L	99
8) cis-1,2-Dichloroethene	5.042	96	4164	5.30	ug/L	98
9) Chloroform	5.303	83	9856	5.11	ug/L	97
10) Carbon Tetrachloride	5.466	117	3556	4.36	ug/L	96
11) 1,1,1-Trichloroethane	5.527	97	5715	4.92	ug/L	98
12) Benzene	5.919	78	14847	5.10	ug/L	98
14) 1,2-Dichloroethane	6.121	62	7529	5.47	ug/L	98
15) Trichloroethene	6.537	95	4037	4.92	ug/L	93
16) 1,2-Dichloropropane	7.053	63	4842	5.27	ug/L	98
17) cis-1,3-Dichloropropene	7.775	75	3455	4.75	ug/L	99
20) trans-1,3-Dichloropropene	8.435	75	2985	4.24	ug/L	94
21) Tetrachloroethene	8.413	166	8677	9.60	ug/L #	98
22) 1,4-Dichlorobenzene	11.906	146	9276	4.52	ug/L	95
23) 1,2-Dibromo-3-Chloropr...	13.179	75	549	3.27	ug/L	96

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\08-29-24\
 Data File : N0132368.D
 Acq On : 29 Aug 2024 5:05 pm
 Operator : jeniferw
 Sample : FC18256-4MSD
 Misc : MS57382,VN6711,,,,,5
 ALS Vial : 27 Sample Multiplier: 1

Quant Time: Aug 30 06:42:24 2024
 Quant Method : C:\msdchem\1\methods\SIMCL_VN6705_082024.M
 Quant Title : Standard Methods 6200B
 QLast Update : Tue Aug 20 14:01:28 2024
 Response via : Initial Calibration



7.4.8
7



Methods: SW-846 8260B

Data File : C:\msdchem\1\data\08-20-24\N0132197.D

Vial: 1

Acq On : 20 Aug 2024 9:04 am

Operator: jeniferw

Sample : BFB

Inst : MSVOA6-N

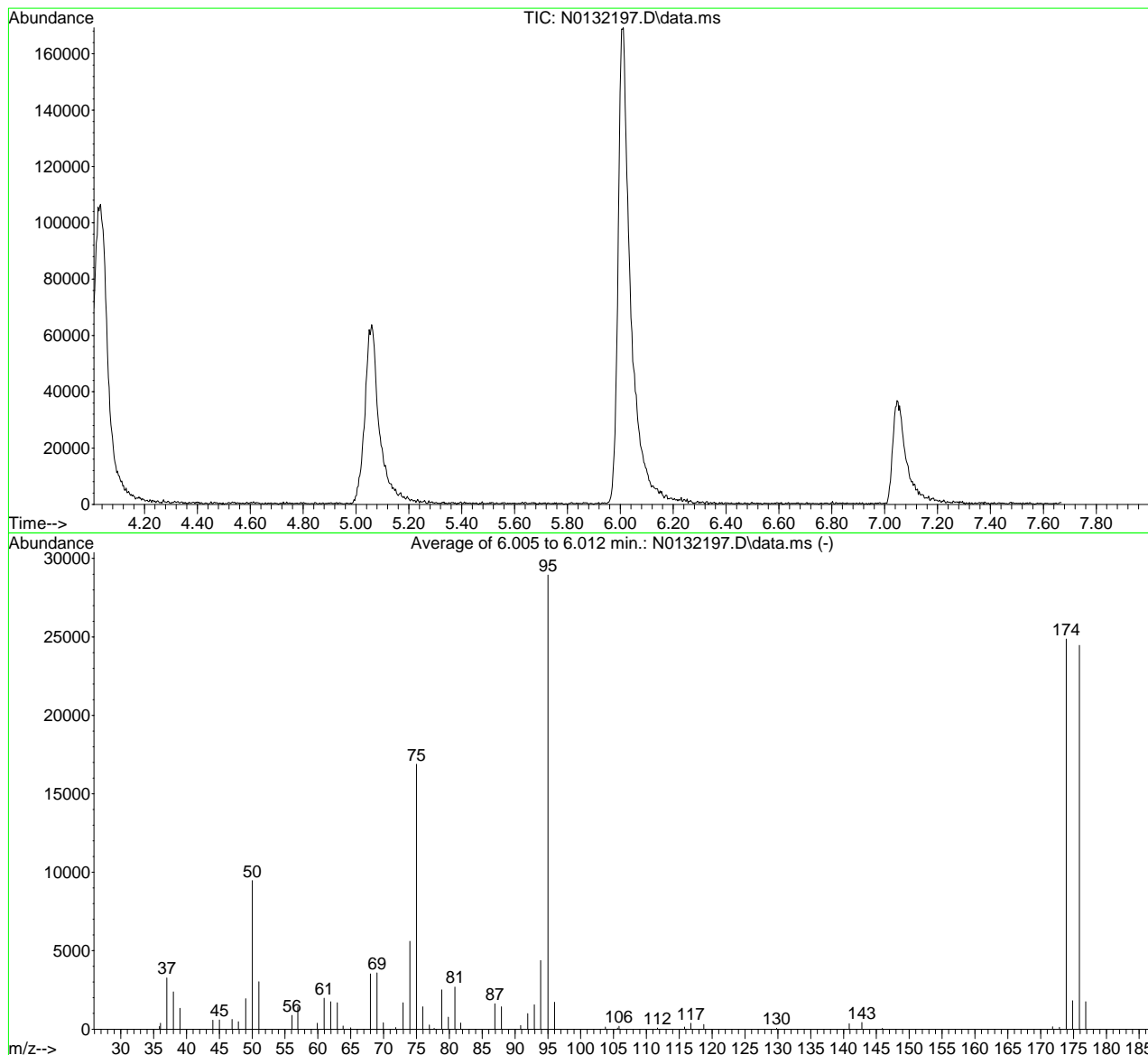
Misc : MS57274,VN6705,,,,,

Multiplr: 1.00

MS Integration Params: rteint.p

Method : C:\msdchem\1\met..._VN6705_082024.M (RTE Integrator)

Title : Standard Methods 6200B



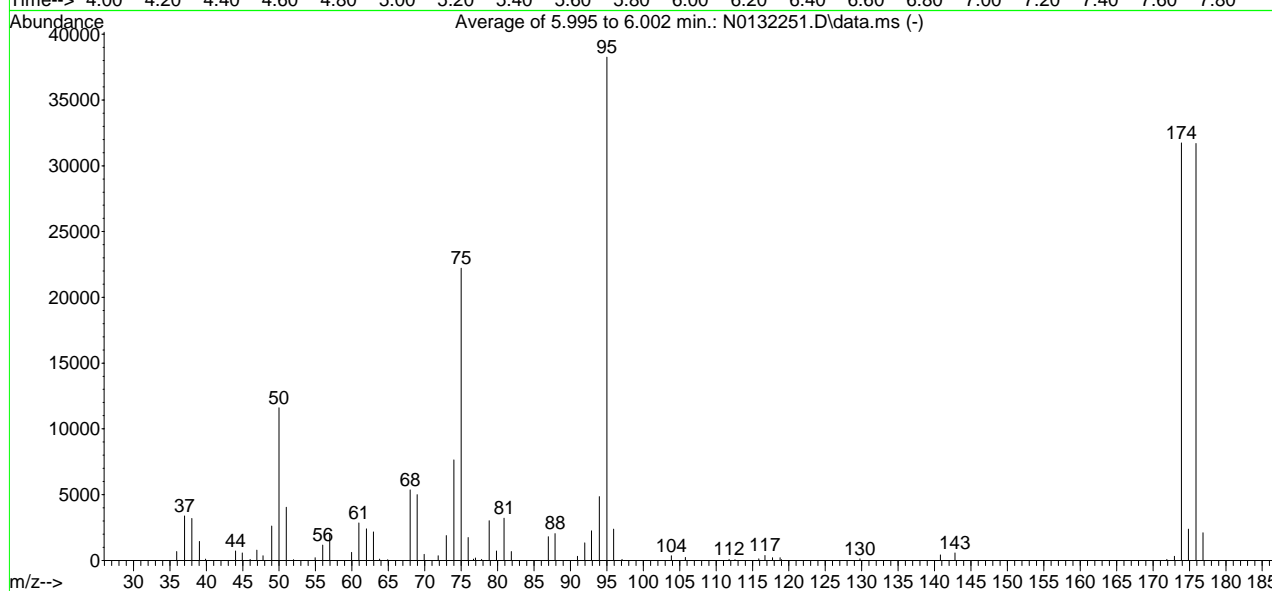
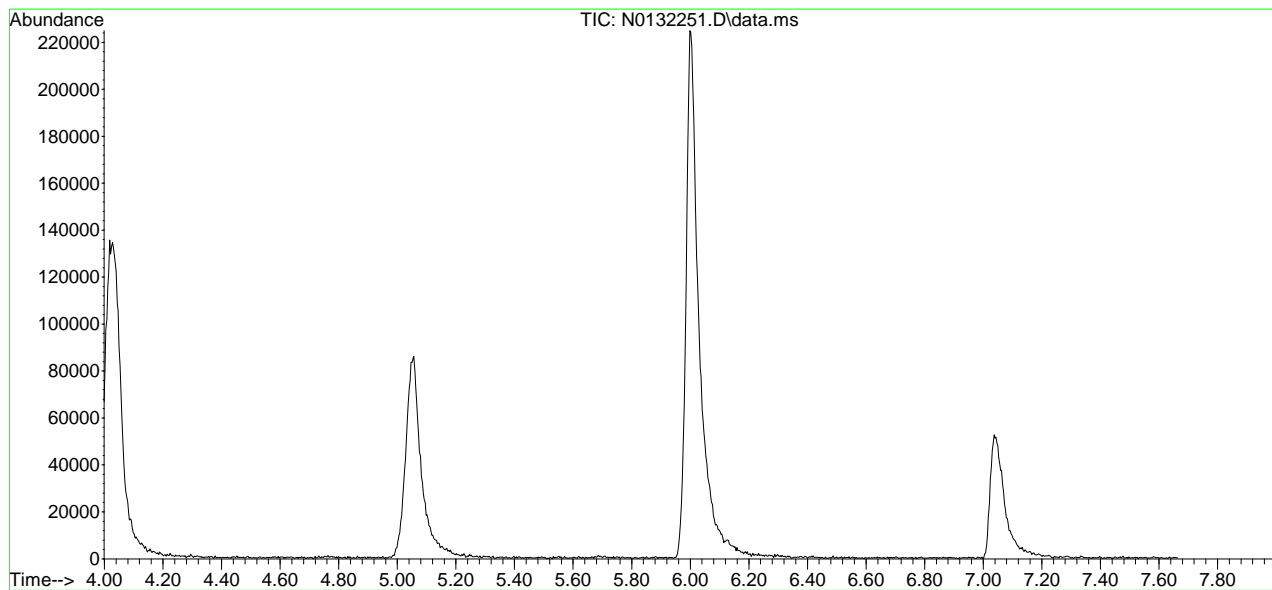
AutoFind: Scans 721, 722, 723; Background Corrected with Scan 702

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
95	95	100	100	100.0	28939	PASS
96	95	5	9	5.9	1718	PASS
173	174	0.00	2	0.5	120	PASS
174	95	50	200	85.9	24867	PASS
175	174	5	9	7.3	1811	PASS
176	174	95	105	98.4	24459	PASS
177	176	5	10	7.1	1743	PASS

Methods: SW-846 8260B

Data File : C:\msdchem\1\data\08-26-24\N0132251.D Vial: 1
 Acq On : 26 Aug 2024 6:31 am Operator: jeniferw
 Sample : BFB Inst : MSVOA6-N
 Misc : MS57353,VN6708,,,, Multiplr: 1.00
 MS Integration Params: rteint.p

Method : C:\msdchem\1\met..._VN6705_082024.M (RTE Integrator)
 Title : Standard Methods 6200B



AutoFind: Scans 718, 719, 720; Background Corrected with Scan 702

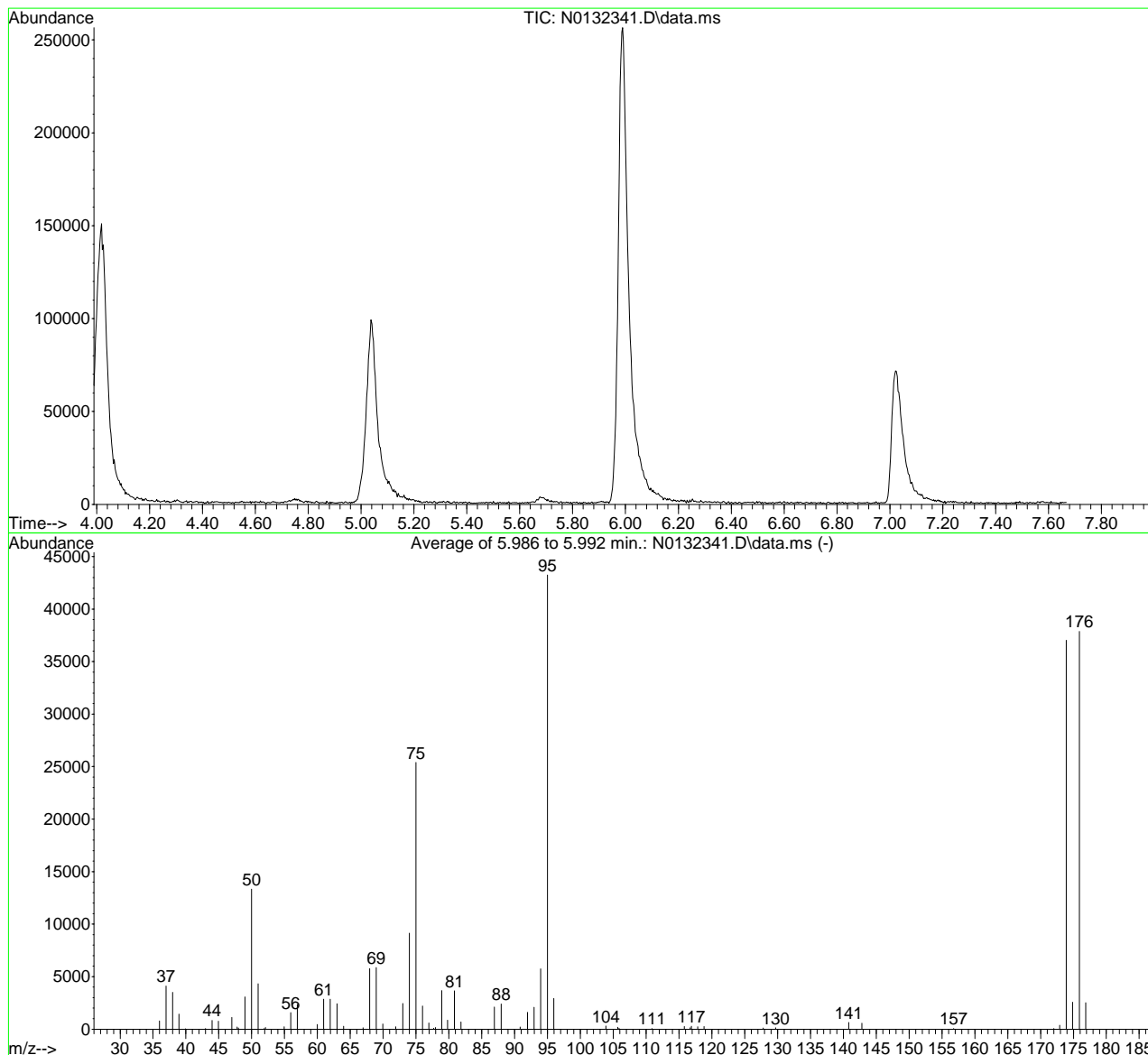
Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
95	95	100	100	100.0	38256	PASS
96	95	5	9	6.2	2375	PASS
173	174	0.00	2	1.0	303	PASS
174	95	50	200	83.0	31744	PASS
175	174	5	9	7.5	2381	PASS
176	174	95	105	99.9	31707	PASS
177	176	5	10	6.6	2096	PASS

N0132251.D SIMCL_VN6705_082024.M Tue Aug 27 06:15:14 2024

Methods: SW-846 8260B

Data File : C:\msdchem\1\data\08-29-24\N0132341.D Vial: 1
 Acq On : 29 Aug 2024 6:22 am Operator: jeniferw
 Sample : BFB Inst : MSVOA6-N
 Misc : MS57378,VN6711,,,,, Multiplr: 1.00
 MS Integration Params: rteint.p

Method : C:\msdchem\1\met..._VN6705_082024.M (RTE Integrator)
 Title : Standard Methods 6200B



AutoFind: Scans 715, 716, 717; Background Corrected with Scan 698

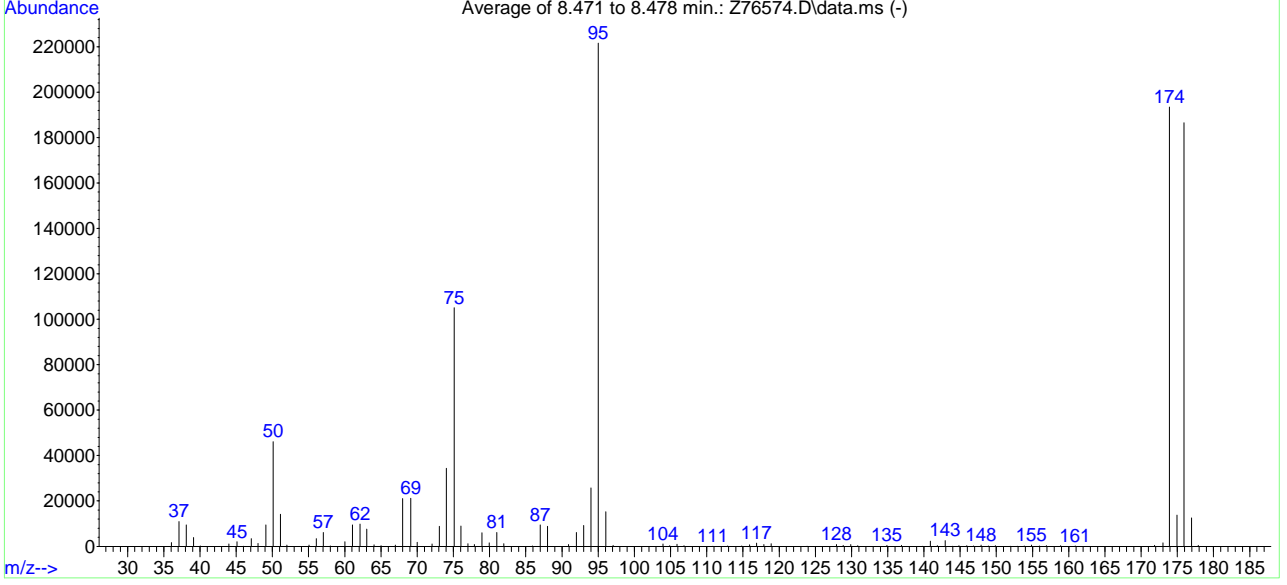
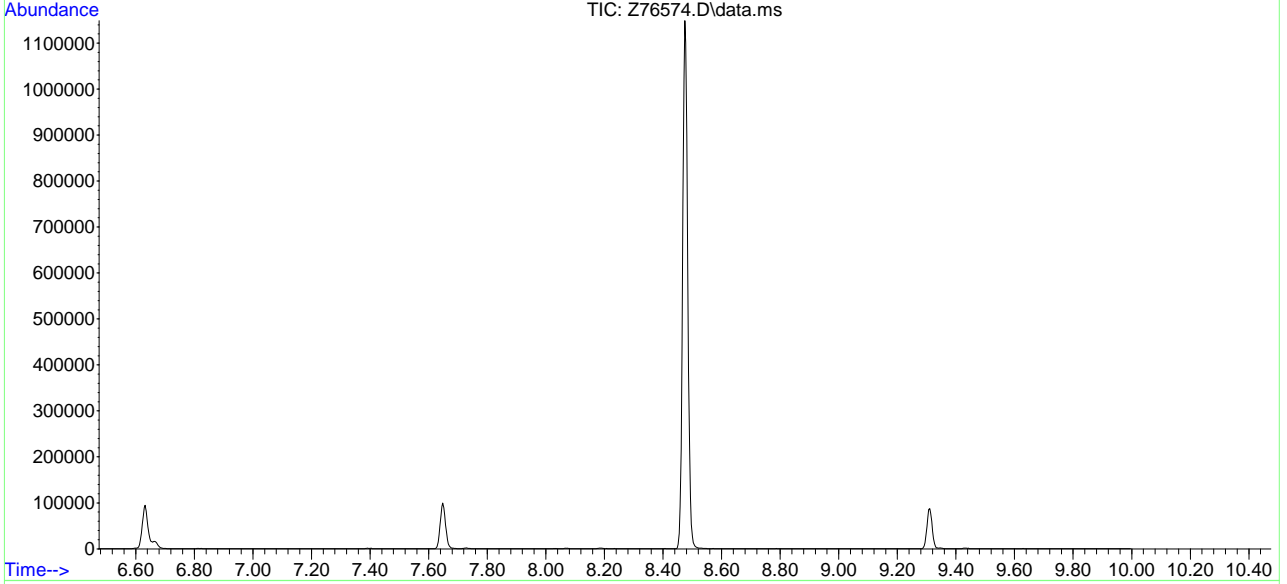
Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
95	95	100	100	100.0	43235	PASS
96	95	5	9	6.8	2934	PASS
173	174	0.00	2	1.0	382	PASS
174	95	50	200	85.7	37040	PASS
175	174	5	9	6.9	2566	PASS
176	174	95	105	102.2	37861	PASS
177	176	5	10	6.6	2513	PASS

N0132341.D SIMCL_VN6705_082024.M Thu Aug 29 07:32:53 2024

Methods: SW-846 8260B

Data File : C:\msdchem\1\data\082624\Z76574.D Vial: 1
 Acq On : 26 Aug 2024 7:35 am Operator: claudias
 Sample : bfb Inst : MSVOA15-Z
 Misc : MS57344,VZ3083,,,,, Multiplr: 1.00
 MS Integration Params: micro.p

Method : C:\msdchem\1\met...MCL-08-21-2024.M (RTE Integrator)
 Title : Standard Methods 6200B



AutoFind: Scans 1488, 1489, 1490; Background Corrected with Scan 1478

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
95	95	100	100	100.0	221547	PASS
96	95	5	9	6.9	15265	PASS
173	174	0.00	2	0.8	1517	PASS
174	95	50	200	87.3	193408	PASS
175	174	5	9	7.1	13712	PASS
176	174	95	105	96.5	186581	PASS
177	176	5	10	6.7	12556	PASS

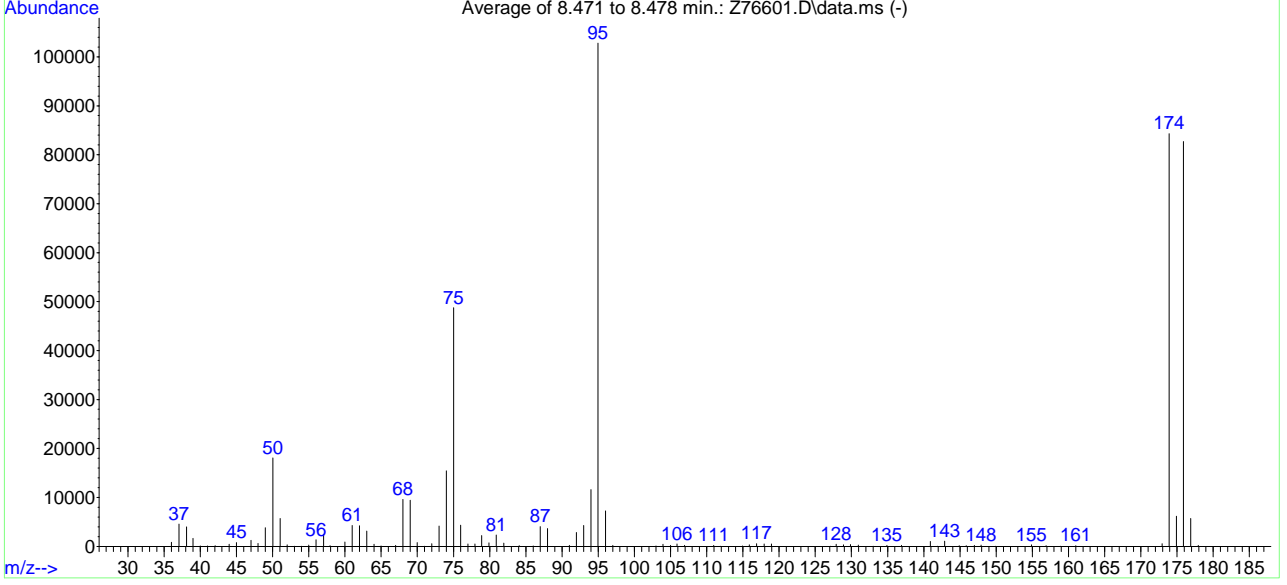
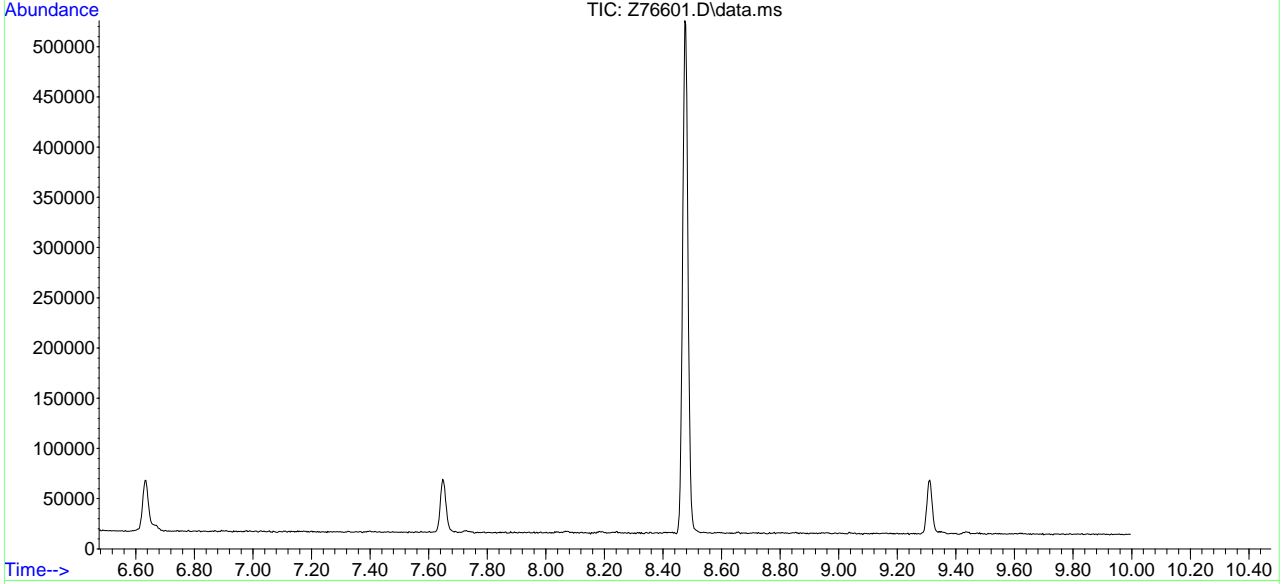


7.5.4
7

Methods: SW-846 8260B

Data File : C:\msdchem\1\data\082824\Z76601.D Vial: 1
 Acq On : 28 Aug 2024 7:36 am Operator: claudias
 Sample : bfb Inst : MSVOA15-Z
 Misc : MS57344,VZ3084,,,,, Multiplr: 1.00
 MS Integration Params: micro.p

Method : C:\msdchem\1\met...MCL-08-28-2024.M (RTE Integrator)
 Title : Standard Methods 6200B



AutoFind: Scans 1488, 1489, 1490; Background Corrected with Scan 1477

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
95	95	100	100	100.0	102783	PASS
96	95	5	9	7.1	7256	PASS
173	174	0.00	2	0.6	537	PASS
174	95	50	200	82.0	84304	PASS
175	174	5	9	7.3	6173	PASS
176	174	95	105	98.1	82709	PASS
177	176	5	10	6.9	5685	PASS



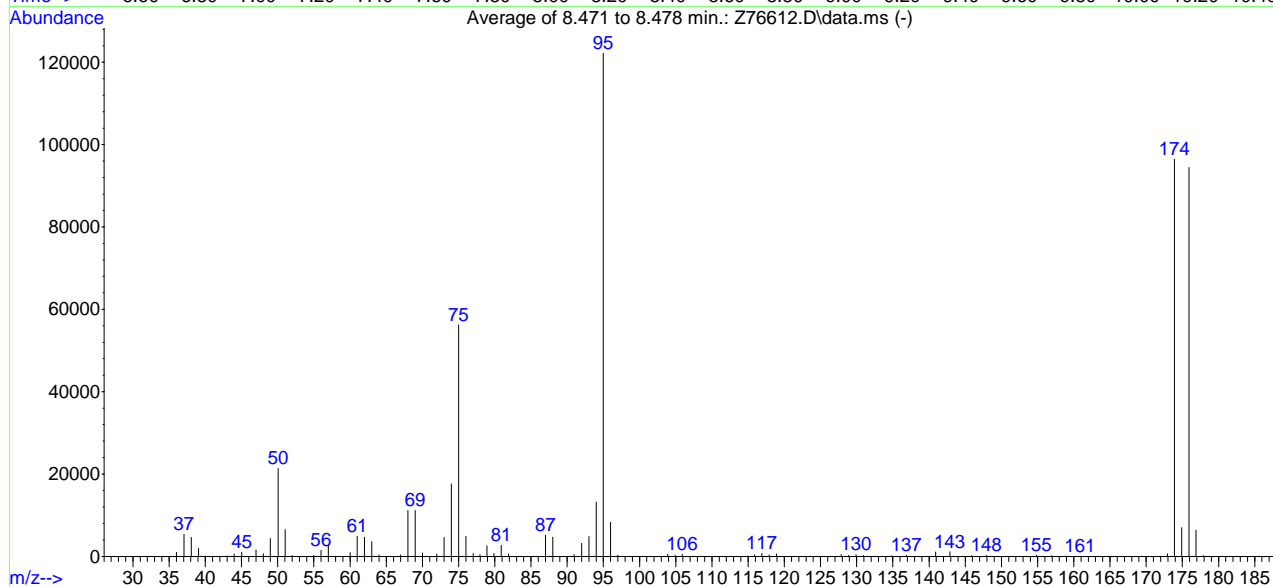
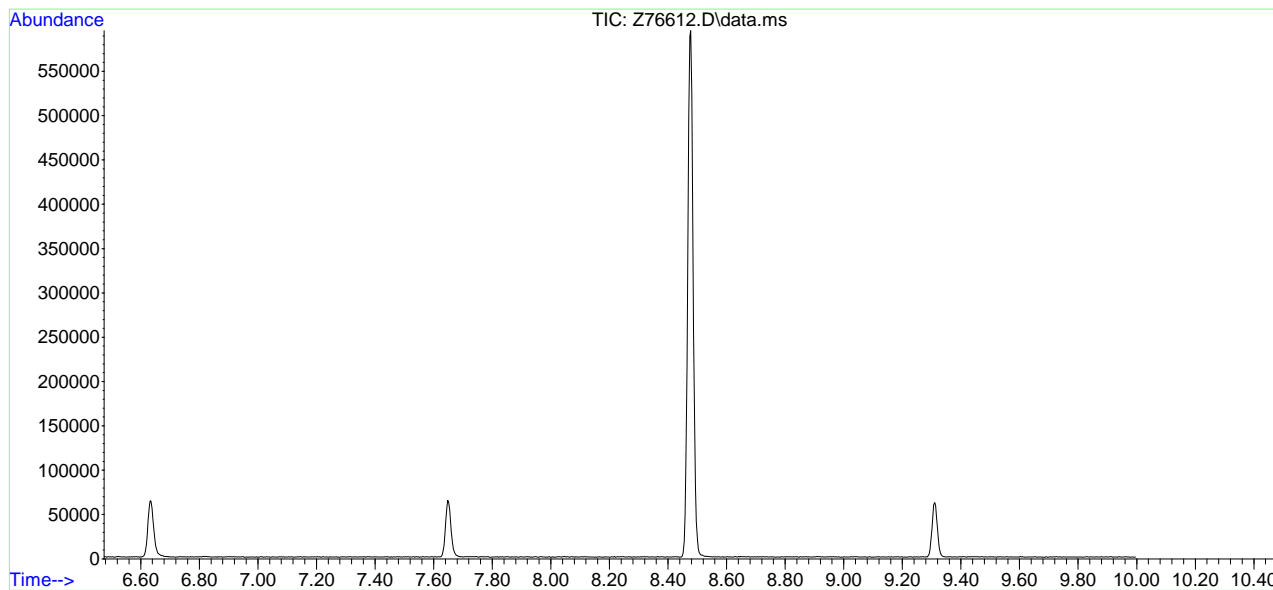
7.5.5
7

Methods: SW-846 8260B

Data File : C:\msdchem\1\data\082824\Z76612.D
 Acq On : 28 Aug 2024 12:22 pm
 Sample : bfb
 Misc : MS57344,VZ3085,,,,,
 MS Integration Params: micro.p

Vial: 1
 Operator: claudias
 Inst : MSVOA15-Z
 Multiplr: 1.00

Method : C:\msdchem\1\met...MCL-08-28-2024.M (RTE Integrator)
 Title : Standard Methods 6200B



AutoFind: Scans 1488, 1489, 1490; Background Corrected with Scan 1478

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
95	95	100	100	100.0	122187	PASS
96	95	5	9	6.7	8245	PASS
173	174	0.00	2	0.7	649	PASS
174	95	50	200	79.0	96469	PASS
175	174	5	9	7.2	6988	PASS
176	174	95	105	97.9	94432	PASS
177	176	5	10	6.8	6384	PASS



7.5.6
7

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\08-20-24\
 Data File : N0132200.D
 Acq On : 20 Aug 2024 10:17 am
 Operator : jeniferw
 Sample : IC6705-3
 Misc : MS57318,VN6705,,,,,
 ALS Vial : 4 Sample Multiplier: 1

Quant Time: Aug 20 11:00:35 2024
 Quant Method : C:\msdchem\1\methods\SIMCL_VN6705_082024.M
 Quant Title : Standard Methods 6200B
 QLast Update : Wed May 22 11:09:52 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Fluorobenzene	6.341	96	46182	5.00	ug/L	0.00
18) Chlorobenzene-d5	9.519	117	30522	5.00	ug/L	0.00
System Monitoring Compounds						
13) 1,2-Dichloroethane-d4	6.045	65	21421	6.43	ug/L	0.00
Spiked Amount	5.000	Range 74 - 125	Recovery	=	128.60%#	
19) Toluene-d8	7.951	98	33133	5.47	ug/L	0.00
Spiked Amount	5.000	Range 88 - 111	Recovery	=	109.40%	
Target Compounds						
						Qvalue
2) Vinyl Chloride	2.065	62	2279	1.70	ug/L	96
3) Chloromethane	1.982	50	3557	2.28	ug/L	99
4) 1,1-Dichloroethene	3.152	61	2696	1.52	ug/L	89
5) Methylene Chloride	3.718	49	5181	2.31	ug/L	81
6) trans-1,2-Dichloroethene	3.888	61	2171	1.34	ug/L	83
7) 1,1-Dichloroethane	4.492	63	3108	1.41	ug/L	98
8) cis-1,2-Dichloroethene	5.047	96	1281	1.02	ug/L #	79
9) Chloroform	5.303	83	3640	1.37	ug/L	92
10) Carbon Tetrachloride	5.473	117	1305	1.04	ug/L	97
11) 1,1,1-Trichloroethane	5.527	97	1917	1.00	ug/L	89
12) Benzene	5.923	78	4760	1.25	ug/L	93
14) 1,2-Dichloroethane	6.125	62	2409	1.35	ug/L	90
15) Trichloroethene	6.543	95	1301	1.02	ug/L	93
16) 1,2-Dichloropropane	7.052	63	1534	1.40	ug/L	91
17) cis-1,3-Dichloropropene	7.785	75	1038	0.98	ug/L	86
20) trans-1,3-Dichloropropene	8.462	75	856	0.86	ug/L #	71
21) Tetrachloroethene	8.418	166	1339	0.95	ug/L #	96
22) 1,4-Dichlorobenzene	11.909	146	2846	1.00	ug/L #	73
23) 1,2-Dibromo-3-Chloropr...	13.189	75	271m	1.09	ug/L	

(#) = qualifier out of range (m) = manual integration (+) = signals summed

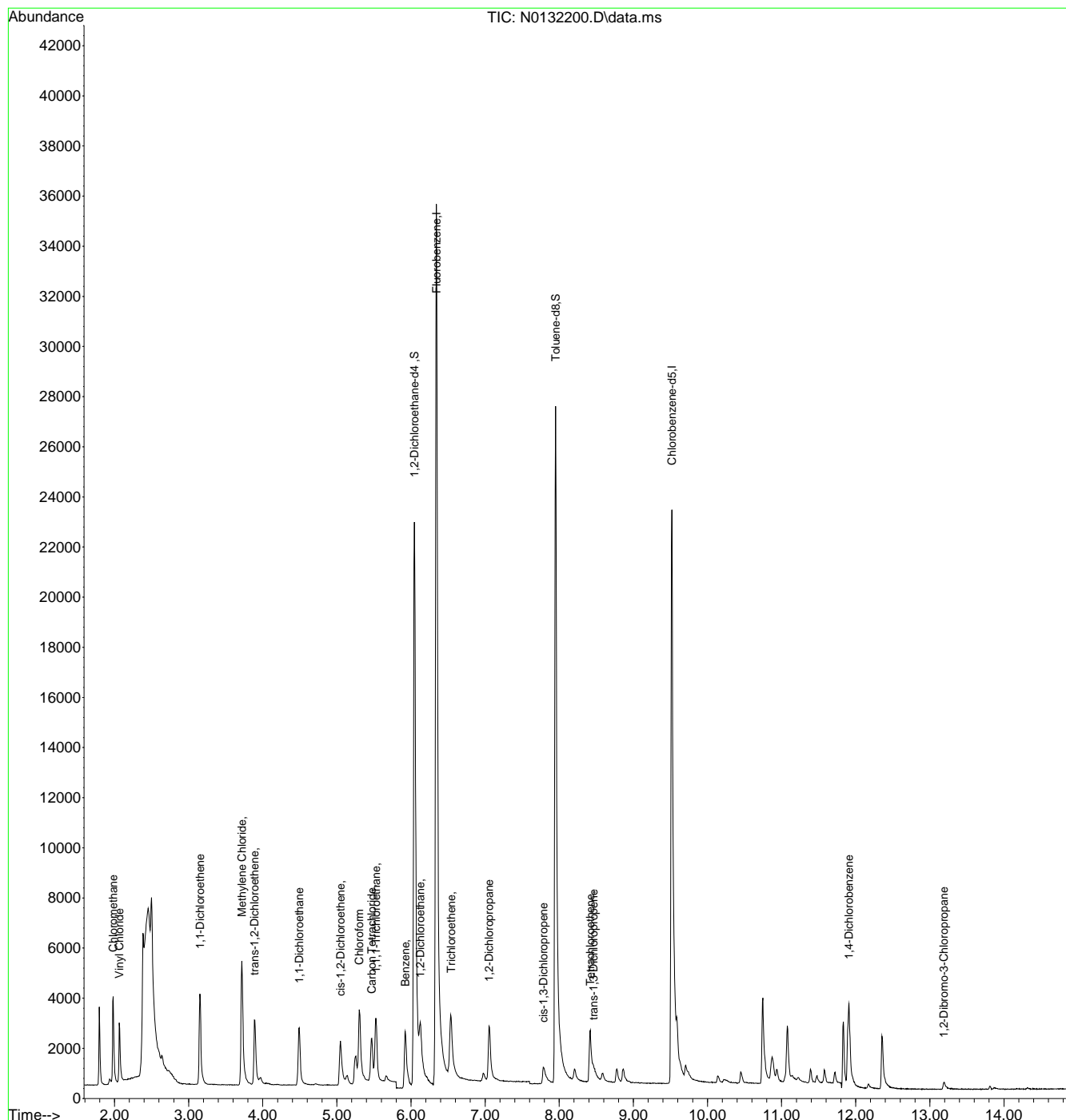
7.6.1
7



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\08-20-24\
 Data File : N0132200.D
 Acq On : 20 Aug 2024 10:17 am
 Operator : jeniferw
 Sample : IC6705-3
 Misc : MS57318,VN6705,,,,,
 ALS Vial : 4 Sample Multiplier: 1

Quant Time: Aug 20 11:00:35 2024
 Quant Method : C:\msdchem\1\methods\SIMCL_VN6705_082024.M
 Quant Title : Standard Methods 6200B
 QLast Update : Wed May 22 11:09:52 2024
 Response via : Initial Calibration

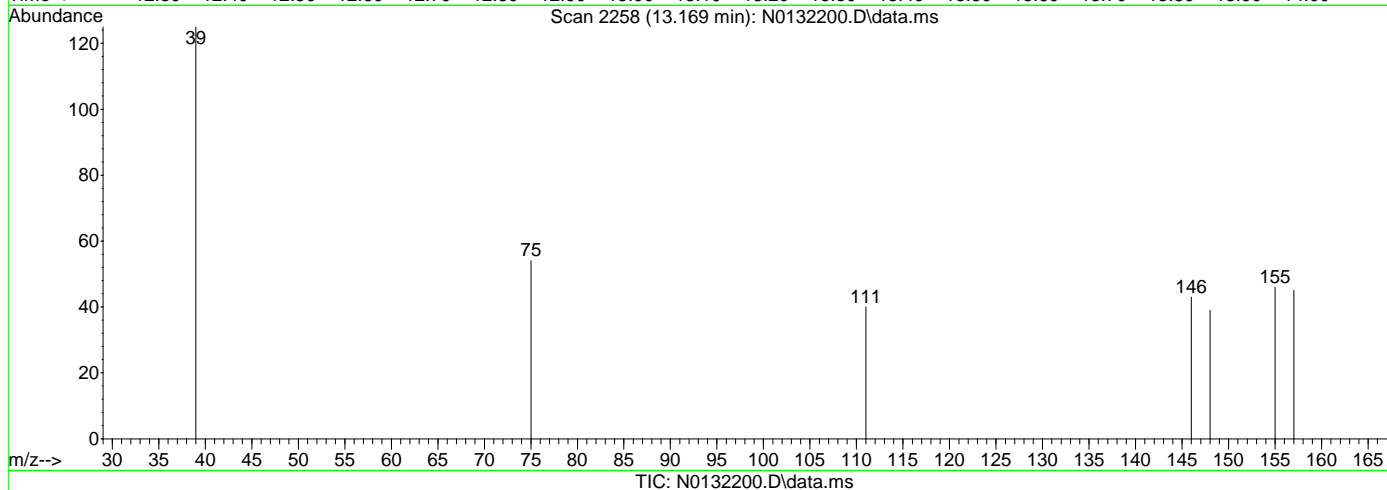
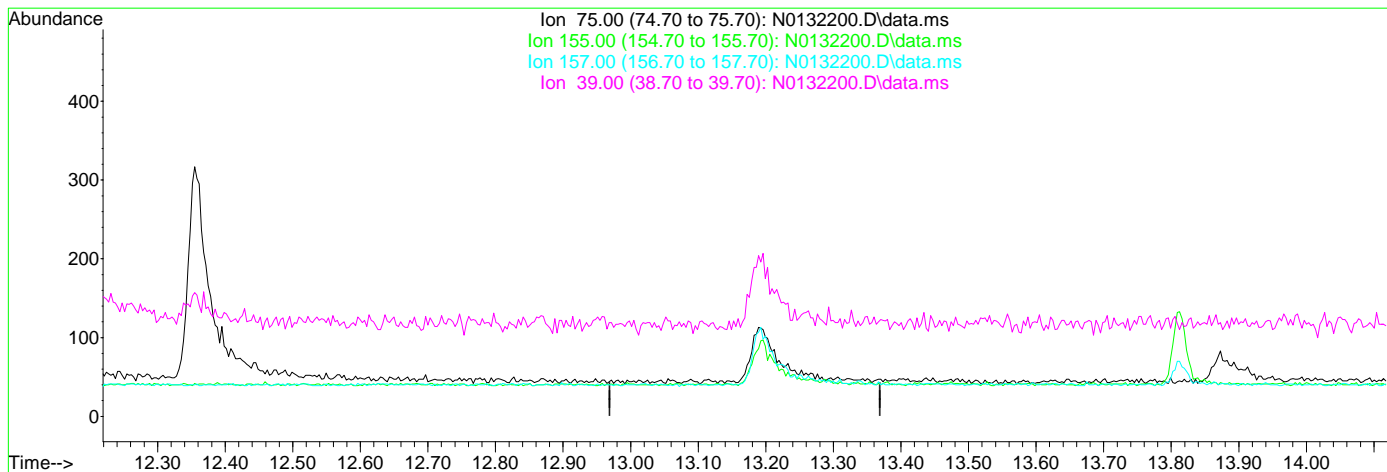


1.9.7
7

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\08-20-24\
 Data File : N0132200.D
 Acq On : 20 Aug 2024 10:17 am
 Operator : jeniferw
 Sample : IC6705-3
 Misc : MS57274,VN6705,,,,,
 ALS Vial : 4 Sample Multiplier: 1

Quant Time: Aug 20 10:44:20 2024
 Quant Method : C:\msdchem\1\methods\SIMCL_VN6705_082024.M
 Quant Title : Standard Methods 6200B
 QLast Update : Wed May 22 11:09:52 2024
 Response via : Initial Calibration



(23) 1,2-Dibromo-3-Chloropropane

13.169min (-13.169) 0.00ug/L

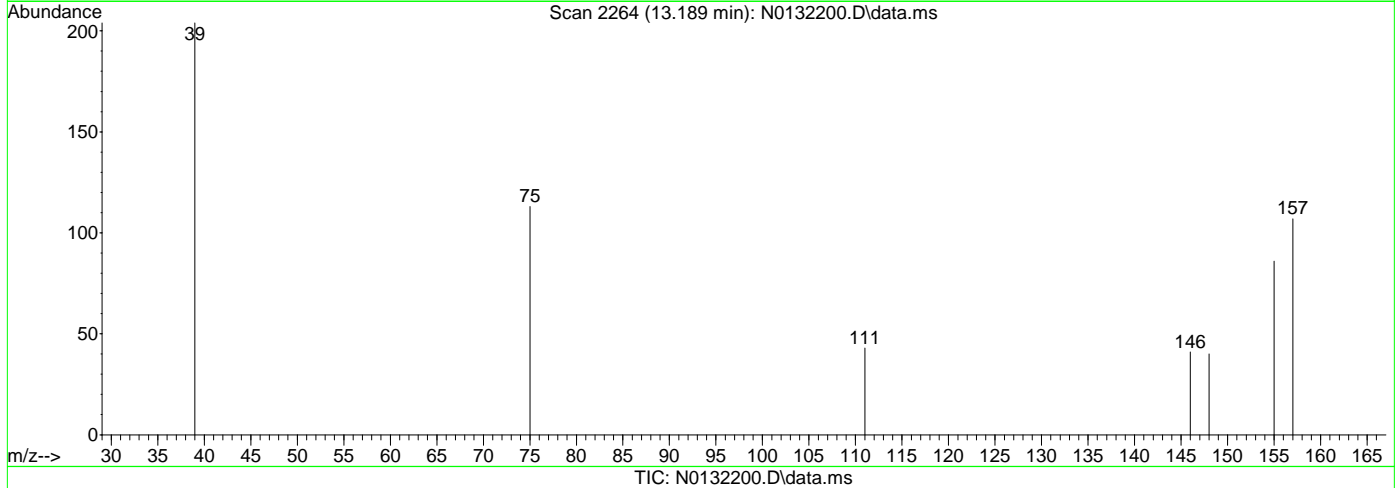
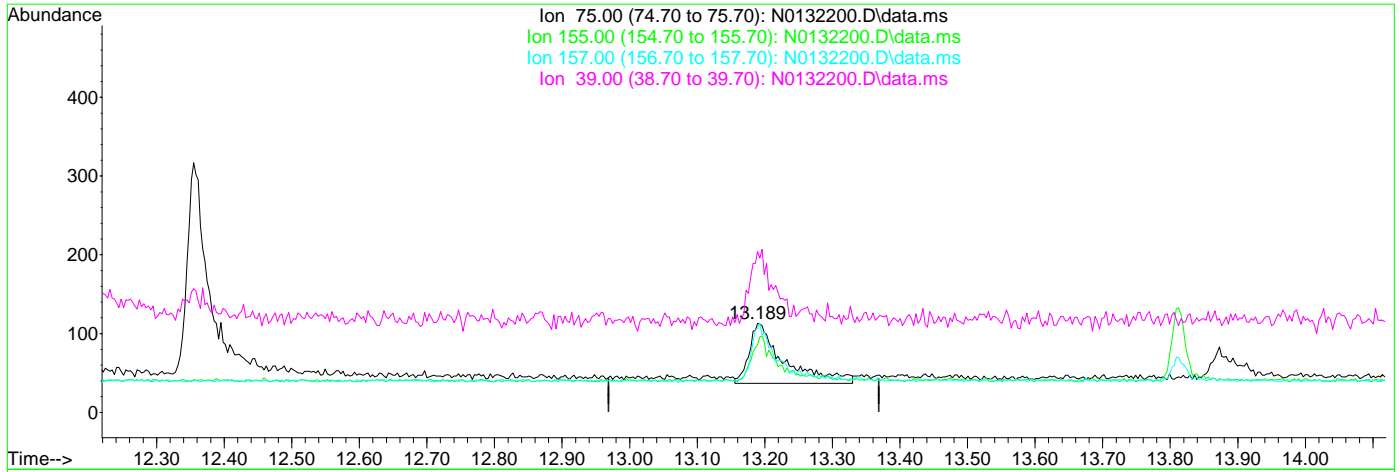
response 0

Ion	Exp%	Act%
75.00	100	0.00
155.00	95.00	0.00#
157.00	121.70	0.00#
39.00	85.30	0.00#

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\08-20-24\
 Data File : N0132200.D
 Acq On : 20 Aug 2024 10:17 am
 Operator : jeniferw
 Sample : IC6705-3
 Misc : MS57274,VN6705,,,,,
 ALS Vial : 4 Sample Multiplier: 1

Quant Time: Aug 20 10:44:20 2024
 Quant Method : C:\msdchem\1\methods\SIMCL_VN6705_082024.M
 Quant Title : Standard Methods 6200B
 QLast Update : Wed May 22 11:09:52 2024
 Response via : Initial Calibration



(23) 1,2-Dibromo-3-Chloropropane

13.189min (+0.020) 1.09ug/L m

response 271

Ion	Exp%	Act%
75.00	100	100
155.00	95.00	76.11
157.00	121.70	94.69
39.00	85.30	180.53#

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\08-20-24\
 Data File : N0132201.D
 Acq On : 20 Aug 2024 10:41 am
 Operator : jeniferw
 Sample : IC6705-4
 Misc : MS57318,VN6705,,,,,
 ALS Vial : 5 Sample Multiplier: 1

Quant Time: Aug 20 10:59:46 2024
 Quant Method : C:\msdchem\1\methods\SIMCL_VN6705_082024.M
 Quant Title : Standard Methods 6200B
 QLast Update : Wed May 22 11:09:52 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

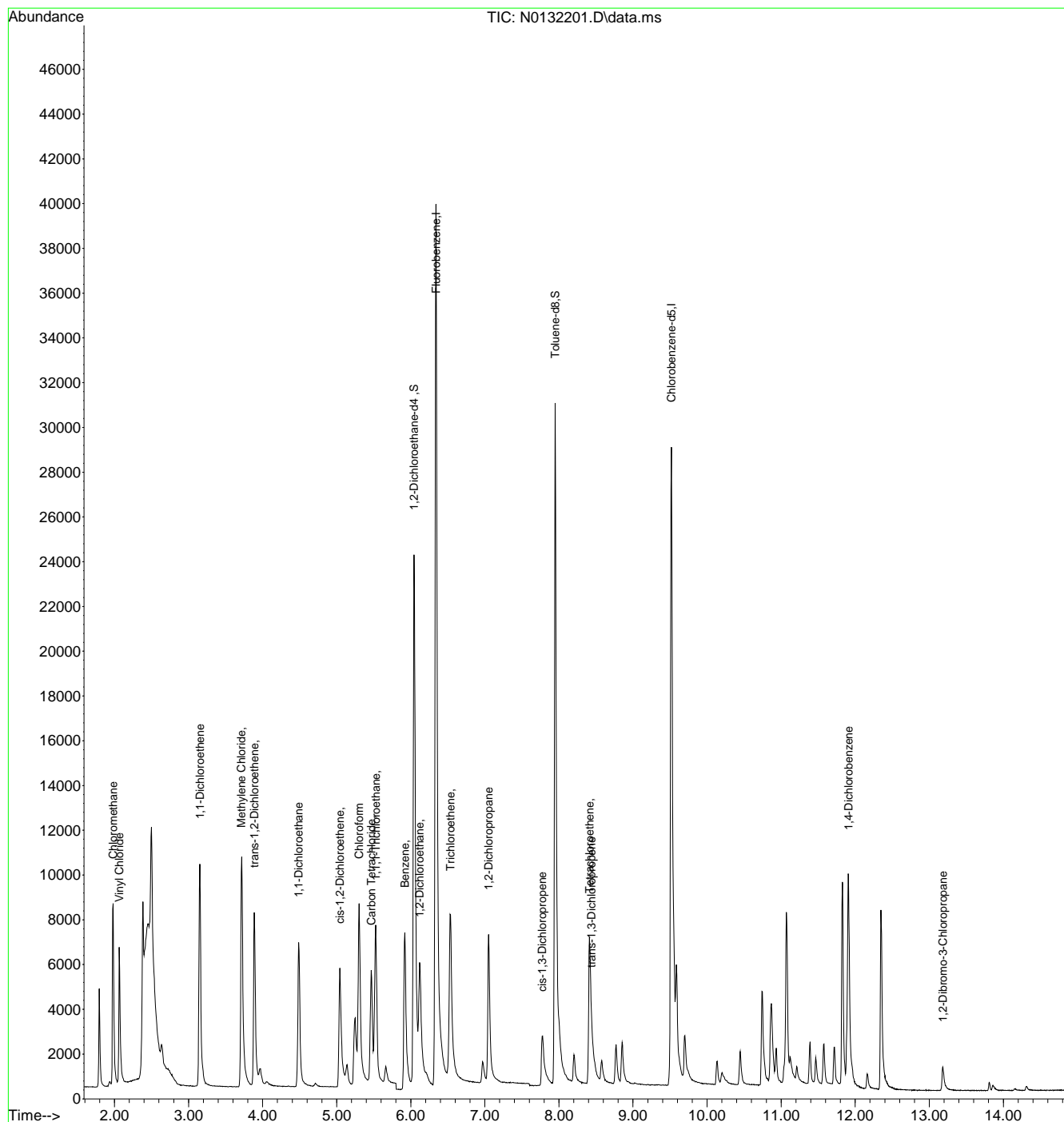
Internal Standards						
1) Fluorobenzene	6.341	96	50648	5.00	ug/L	0.00
18) Chlorobenzene-d5	9.519	117	35540	5.00	ug/L	0.00
System Monitoring Compounds						
13) 1,2-Dichloroethane-d4	6.045	65	22204	6.08	ug/L	0.00
Spiked Amount	5.000	Range 74 - 125	Recovery	=	121.60%	
19) Toluene-d8	7.951	98	35982	5.10	ug/L	0.00
Spiked Amount	5.000	Range 88 - 111	Recovery	=	102.00%	
Target Compounds						
						Qvalue
2) Vinyl Chloride	2.065	62	5841	3.98	ug/L	94
3) Chloromethane	1.982	50	8302	4.86	ug/L	99
4) 1,1-Dichloroethene	3.152	61	7294	3.75	ug/L	91
5) Methylene Chloride	3.712	49	10894	4.43	ug/L	75
6) trans-1,2-Dichloroethene	3.888	61	6014	3.40	ug/L	87
7) 1,1-Dichloroethane	4.487	63	8339	3.45	ug/L	95
8) cis-1,2-Dichloroethene	5.041	96	3496	2.54	ug/L #	77
9) Chloroform	5.303	83	8721	2.99	ug/L	94
10) Carbon Tetrachloride	5.466	117	3737	2.70	ug/L	97
11) 1,1,1-Trichloroethane	5.527	97	5256	2.49	ug/L	89
12) Benzene	5.919	78	13106	3.13	ug/L	90
14) 1,2-Dichloroethane	6.121	62	6527	3.34	ug/L	93
15) Trichloroethene	6.537	95	3617	2.59	ug/L	93
16) 1,2-Dichloropropane	7.053	63	4202	3.49	ug/L	92
17) cis-1,3-Dichloropropene	7.774	75	3251	2.81	ug/L	91
20) trans-1,3-Dichloropropene	8.440	75	3079	2.67	ug/L	89
21) Tetrachloroethene	8.413	166	3763	2.28	ug/L #	96
22) 1,4-Dichlorobenzene	11.909	146	8216	2.47	ug/L	88
23) 1,2-Dibromo-3-Chloropr...	13.183	75	654	2.26	ug/L #	70

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\08-20-24\
 Data File : N0132201.D
 Acq On : 20 Aug 2024 10:41 am
 Operator : jeniferw
 Sample : IC6705-4
 Misc : MS57318,VN6705,,,,,
 ALS Vial : 5 Sample Multiplier: 1

Quant Time: Aug 20 10:59:46 2024
 Quant Method : C:\msdchem\1\methods\SIMCL_VN6705_082024.M
 Quant Title : Standard Methods 6200B
 QLast Update : Wed May 22 11:09:52 2024
 Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\08-20-24\
 Data File : N0132202.D
 Acq On : 20 Aug 2024 11:04 am
 Operator : jeniferw
 Sample : ICC6705-5
 Misc : MS57318,VN6705,,,,,
 ALS Vial : 6 Sample Multiplier: 1

Quant Time: Aug 20 11:20:16 2024
 Quant Method : C:\msdchem\1\methods\SIMCL_VN6705_082024.M
 Quant Title : Standard Methods 6200B
 QLast Update : Wed May 22 11:09:52 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	

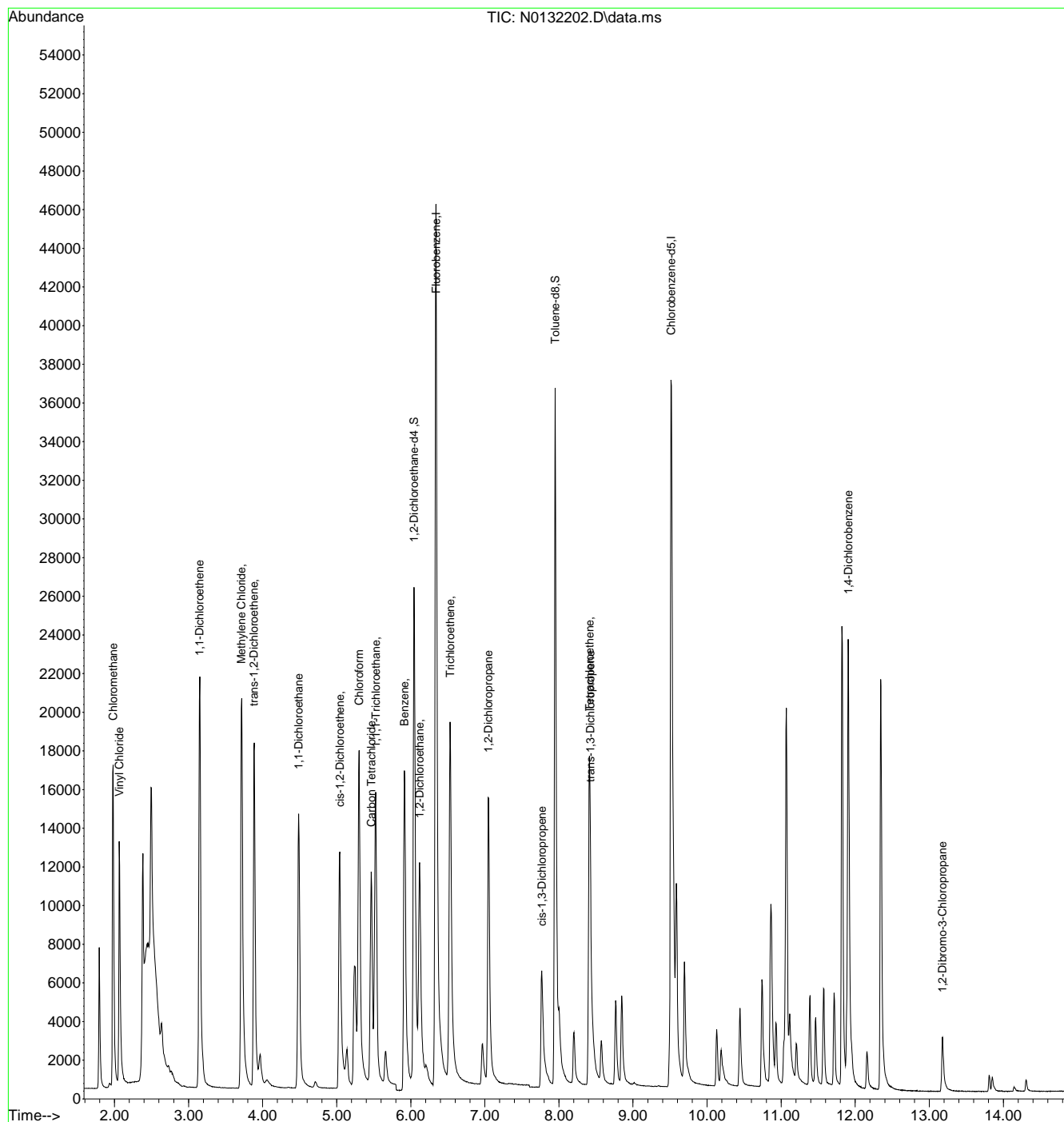
Internal Standards							
1) Fluorobenzene	6.341	96	57601	5.00	ug/L	0.00	
18) Chlorobenzene-d5	9.514	117	36791	5.00	ug/L	0.00	
System Monitoring Compounds							
13) 1,2-Dichloroethane-d4	6.045	65	24119	5.81	ug/L	0.00	
Spiked Amount	5.000	Range 74 - 125	Recovery	=	116.20%		
19) Toluene-d8	7.951	98	40760	5.58	ug/L	0.00	
Spiked Amount	5.000	Range 88 - 111	Recovery	=	111.60%#		
Target Compounds							
							Qvalue
2) Vinyl Chloride	2.065	62	12559	7.52	ug/L		94
3) Chloromethane	1.982	50	17210	8.86	ug/L		99
4) 1,1-Dichloroethene	3.147	61	15828	7.16	ug/L		85
5) Methylene Chloride	3.712	49	21315	7.62	ug/L		75
6) trans-1,2-Dichloroethene	3.883	61	13357	6.63	ug/L		82
7) 1,1-Dichloroethane	4.487	63	17936	6.52	ug/L		96
8) cis-1,2-Dichloroethene	5.042	96	7655	4.88	ug/L #		81
9) Chloroform	5.303	83	17762	5.35	ug/L		94
10) Carbon Tetrachloride	5.466	117	8068	5.13	ug/L		97
11) 1,1,1-Trichloroethane	5.527	97	11455	4.78	ug/L		92
12) Benzene	5.915	78	28737	6.04	ug/L		90
14) 1,2-Dichloroethane	6.121	62	14104	6.35	ug/L		93
15) Trichloroethene	6.531	95	8092	5.10	ug/L		88
16) 1,2-Dichloropropane	7.047	63	9164	6.70	ug/L		93
17) cis-1,3-Dichloropropene	7.769	75	7699	5.84	ug/L		91
20) trans-1,3-Dichloropropene	8.424	75	7735	6.47	ug/L		89
21) Tetrachloroethene	8.413	166	8026	4.71	ug/L #		98
22) 1,4-Dichlorobenzene	11.906	146	18712	5.44	ug/L		91
23) 1,2-Dibromo-3-Chloropr...	13.176	75	1582	5.29	ug/L #		72

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\08-20-24\
 Data File : N0132202.D
 Acq On : 20 Aug 2024 11:04 am
 Operator : jeniferw
 Sample : ICC6705-5
 Misc : MS57318,VN6705,,,,,
 ALS Vial : 6 Sample Multiplier: 1

Quant Time: Aug 20 11:20:16 2024
 Quant Method : C:\msdchem\1\methods\SIMCL_VN6705_082024.M
 Quant Title : Standard Methods 6200B
 QLast Update : Wed May 22 11:09:52 2024
 Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\08-20-24\
 Data File : N0132203.D
 Acq On : 20 Aug 2024 11:28 am
 Operator : jeniferw
 Sample : IC6705-6
 Misc : MS57318,VN6705,,,,,
 ALS Vial : 7 Sample Multiplier: 1

Quant Time: Aug 20 11:51:08 2024
 Quant Method : C:\msdchem\1\methods\SIMCL_VN6705_082024.M
 Quant Title : Standard Methods 6200B
 QLast Update : Wed May 22 11:09:52 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	

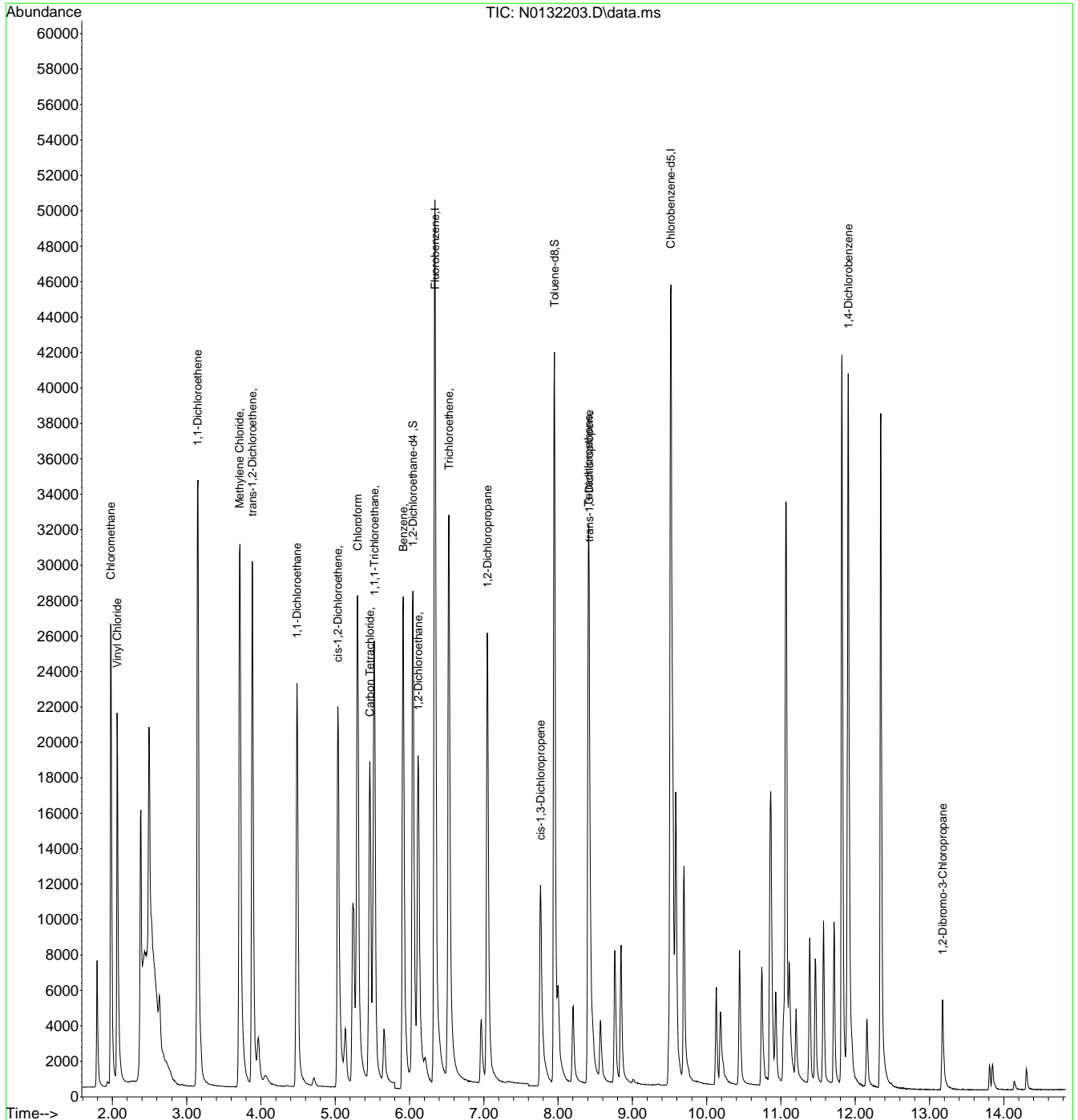
Internal Standards							
1) Fluorobenzene	6.341	96	62820	5.00	ug/L	0.00	
18) Chlorobenzene-d5	9.514	117	41500	5.00	ug/L	0.00	
System Monitoring Compounds							
13) 1,2-Dichloroethane-d4	6.045	65	26036	5.75	ug/L	0.00	
Spiked Amount	5.000	Range 74 - 125	Recovery	=	115.00%		
19) Toluene-d8	7.951	98	45907	5.57	ug/L	0.00	
Spiked Amount	5.000	Range 88 - 111	Recovery	=	111.40%#		
Target Compounds							
							Qvalue
2) Vinyl Chloride	2.065	62	20844	11.45	ug/L		94
3) Chloromethane	1.977	50	27127	12.80	ug/L		99
4) 1,1-Dichloroethene	3.147	61	25712	10.66	ug/L		86
5) Methylene Chloride	3.712	49	32479	10.65	ug/L		76
6) trans-1,2-Dichloroethene	3.883	61	21918	9.98	ug/L		84
7) 1,1-Dichloroethane	4.487	63	28686	9.56	ug/L		98
8) cis-1,2-Dichloroethene	5.036	96	12700	7.43	ug/L #		75
9) Chloroform	5.303	83	28040	7.75	ug/L		96
10) Carbon Tetrachloride	5.466	117	13283	7.75	ug/L		96
11) 1,1,1-Trichloroethane	5.527	97	18815	7.20	ug/L		91
12) Benzene	5.915	78	46884	9.04	ug/L		92
14) 1,2-Dichloroethane	6.116	62	22194	9.17	ug/L		93
15) Trichloroethene	6.531	95	13449	7.77	ug/L		90
16) 1,2-Dichloropropane	7.047	63	14788	9.92	ug/L		93
17) cis-1,3-Dichloropropene	7.764	75	13326	9.28	ug/L		90
20) trans-1,3-Dichloropropene	8.418	75	13780	10.23	ug/L		89
21) Tetrachloroethene	8.407	166	13210	6.87	ug/L #		98
22) 1,4-Dichlorobenzene	11.906	146	30877	7.96	ug/L		93
23) 1,2-Dibromo-3-Chloropr...	13.176	75	2628	7.79	ug/L		77

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\08-20-24\
 Data File : N0132203.D
 Acq On : 20 Aug 2024 11:28 am
 Operator : jeniferw
 Sample : IC6705-6
 Misc : MS57318,VN6705,,,,,
 ALS Vial : 7 Sample Multiplier: 1

Quant Time: Aug 20 11:51:08 2024
 Quant Method : C:\msdchem\1\methods\SIMCL_VN6705_082024.M
 Quant Title : Standard Methods 6200B
 QLast Update : Wed May 22 11:09:52 2024
 Response via : Initial Calibration



7.6.4
7



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\08-20-24\
 Data File : N0132204.D
 Acq On : 20 Aug 2024 11:51 am
 Operator : jeniferw
 Sample : IC6705-7
 Misc : MS57318,VN6705,,,,,
 ALS Vial : 8 Sample Multiplier: 1

Quant Time: Aug 20 12:07:12 2024
 Quant Method : C:\msdchem\1\methods\SIMCL_VN6705_082024.M
 Quant Title : Standard Methods 6200B
 QLast Update : Tue Aug 20 11:59:16 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	

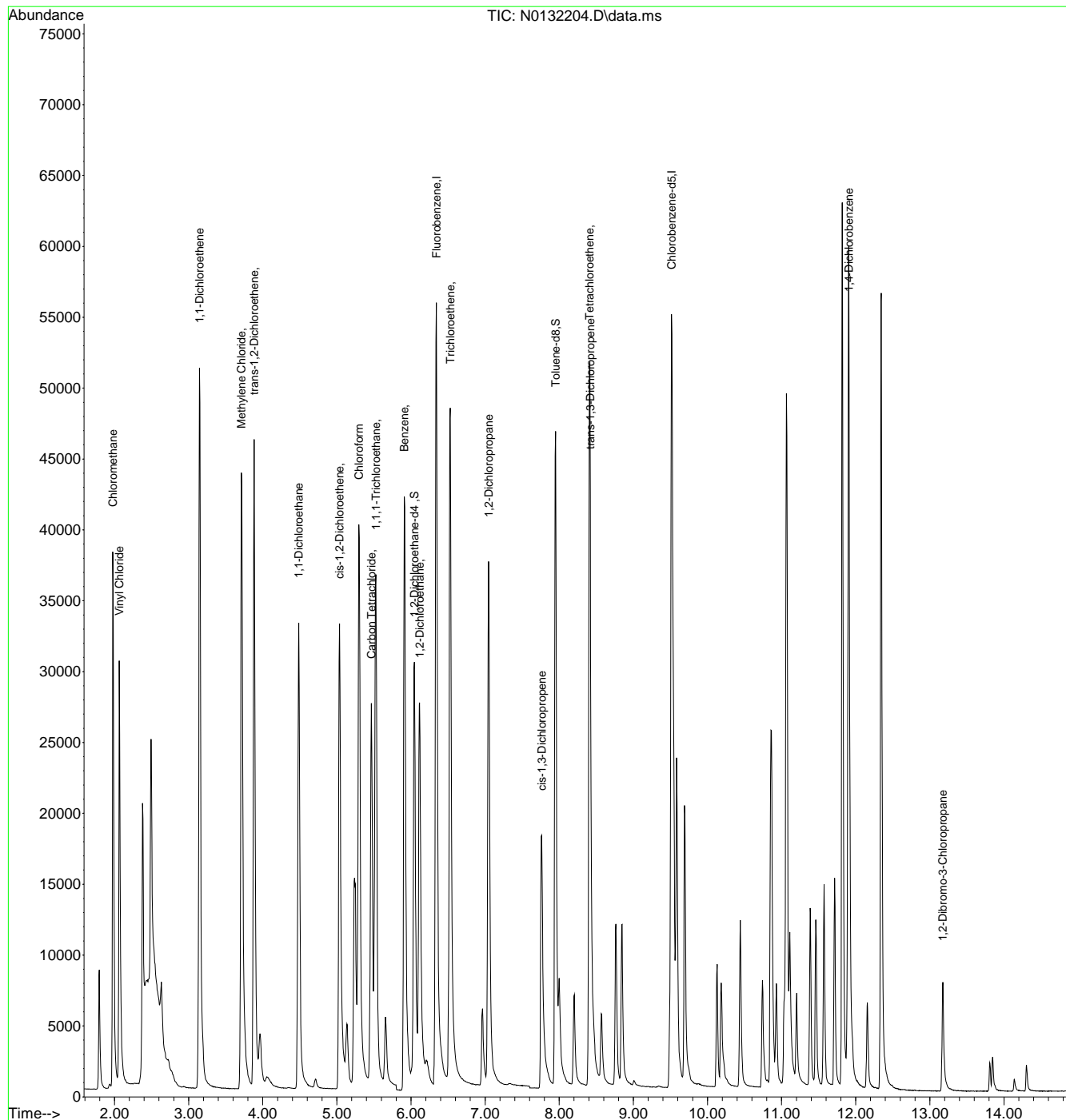
Internal Standards							
1) Fluorobenzene	6.341	96	69391	5.00	ug/L	0.00	
18) Chlorobenzene-d5	9.514	117	46307	5.00	ug/L	0.00	
System Monitoring Compounds							
13) 1,2-Dichloroethane-d4	6.045	65	27853	4.48	ug/L	0.00	
Spiked Amount	5.000	Range 74 - 125	Recovery	=	89.60%		
19) Toluene-d8	7.951	98	50729	4.98	ug/L	0.00	
Spiked Amount	5.000	Range 88 - 111	Recovery	=	99.60%		
Target Compounds							
							Qvalue
2) Vinyl Chloride	2.065	62	29031	14.67	ug/L		99
3) Chloromethane	1.977	50	37619	13.89	ug/L		97
4) 1,1-Dichloroethene	3.147	61	37603	17.34	ug/L		96
5) Methylene Chloride	3.712	49	45706	15.45	ug/L		96
6) trans-1,2-Dichloroethene	3.883	61	32274	17.55	ug/L		96
7) 1,1-Dichloroethane	4.487	63	41444	16.53	ug/L		98
8) cis-1,2-Dichloroethene	5.036	96	18767	17.98	ug/L		98
9) Chloroform	5.296	83	40115	13.76	ug/L		96
10) Carbon Tetrachloride	5.466	117	19636	18.02	ug/L		99
11) 1,1,1-Trichloroethane	5.527	97	27467	17.28	ug/L		99
12) Benzene	5.910	78	69333	17.40	ug/L		100
14) 1,2-Dichloroethane	6.116	62	31799	17.96	ug/L		99
15) Trichloroethene	6.531	95	19716	17.66	ug/L		96
16) 1,2-Dichloropropane	7.047	63	21581	18.03	ug/L		99
17) cis-1,3-Dichloropropene	7.763	75	20502	22.35	ug/L		99
20) trans-1,3-Dichloropropene	8.418	75	21425	26.00	ug/L		97
21) Tetrachloroethene	8.407	166	19204	16.95	ug/L #		97
22) 1,4-Dichlorobenzene	11.906	146	44673	18.33	ug/L		96
23) 1,2-Dibromo-3-Chloropr...	13.172	75	3812	18.20	ug/L		96

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\08-20-24\
 Data File : N0132204.D
 Acq On : 20 Aug 2024 11:51 am
 Operator : jeniferw
 Sample : IC6705-7
 Misc : MS57318,VN6705,,,,,
 ALS Vial : 8 Sample Multiplier: 1

Quant Time: Aug 20 12:07:12 2024
 Quant Method : C:\msdchem\1\methods\SIMCL_VN6705_082024.M
 Quant Title : Standard Methods 6200B
 QLast Update : Tue Aug 20 11:59:16 2024
 Response via : Initial Calibration



7.6.5
7



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\08-20-24\
 Data File : N0132207.D
 Acq On : 20 Aug 2024 1:05 pm
 Operator : jeniferw
 Sample : IC6705-1
 Misc : MS57318,VN6705,,,,,
 ALS Vial : 11 Sample Multiplier: 1

Quant Time: Aug 20 13:21:18 2024
 Quant Method : C:\msdchem\1\methods\SIMCL_VN6705_082024.M
 Quant Title : Standard Methods 6200B
 QLast Update : Tue Aug 20 12:28:26 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

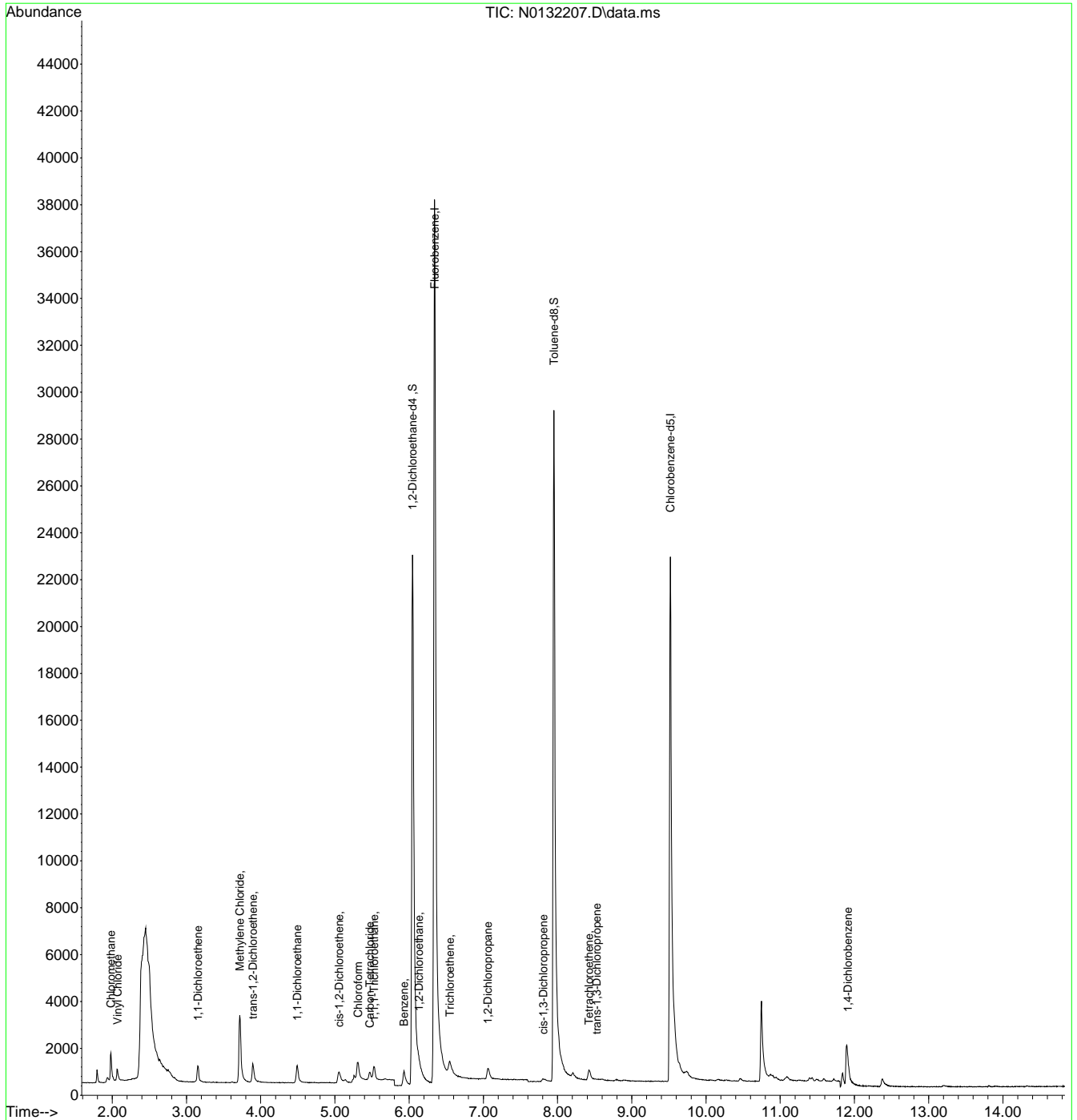
Internal Standards						
1) Fluorobenzene	6.341	96	49779	5.00	ug/L	0.00
18) Chlorobenzene-d5	9.519	117	31002	5.00	ug/L	0.00
System Monitoring Compounds						
13) 1,2-Dichloroethane-d4	6.045	65	21712	4.94	ug/L	0.00
Spiked Amount	5.000	Range 74 - 125	Recovery	=	98.80%	
19) Toluene-d8	7.951	98	36102	5.30	ug/L	0.00
Spiked Amount	5.000	Range 88 - 111	Recovery	=	106.00%	
Target Compounds						
						Qvalue
2) Vinyl Chloride	2.070	62	522	0.38	ug/L	95
3) Chloromethane	1.982	50	1298	0.70	ug/L	97
4) 1,1-Dichloroethene	3.152	61	535	0.38	ug/L	94
5) Methylene Chloride	3.718	49	3088	1.52	ug/L	93
6) trans-1,2-Dichloroethene	3.894	61	698	0.54	ug/L	95
7) 1,1-Dichloroethane	4.492	63	957	0.55	ug/L	91
8) cis-1,2-Dichloroethene	5.058	96	335	0.45	ug/L	95
9) Chloroform	5.310	83	1449	0.73	ug/L	94
10) Carbon Tetrachloride	5.473	117	253	0.33	ug/L	94
11) 1,1,1-Trichloroethane	5.527	97	441	0.40	ug/L	91
12) Benzene	5.931	78	1563	0.56	ug/L	97
14) 1,2-Dichloroethane	6.129	62	319	0.25	ug/L	80
15) Trichloroethene	6.549	95	410	0.52	ug/L	96
16) 1,2-Dichloropropane	7.058	63	373	0.44	ug/L	88
17) cis-1,3-Dichloropropene	7.807	75	217	0.32	ug/L	73
20) trans-1,3-Dichloropropene	8.528	75	94	0.16	ug/L	74
21) Tetrachloroethene	8.424	166	328	0.44	ug/L #	91
22) 1,4-Dichlorobenzene	11.913	146	897	0.56	ug/L #	26

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\08-20-24\
 Data File : N0132207.D
 Acq On : 20 Aug 2024 1:05 pm
 Operator : jeniferw
 Sample : IC6705-1
 Misc : MS57318,VN6705,,,,,
 ALS Vial : 11 Sample Multiplier: 1

Quant Time: Aug 20 13:21:18 2024
 Quant Method : C:\msdchem\1\methods\SIMCL_VN6705_082024.M
 Quant Title : Standard Methods 6200B
 QLast Update : Tue Aug 20 12:28:26 2024
 Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\08-20-24\
 Data File : N0132208.D
 Acq On : 20 Aug 2024 1:28 pm
 Operator : jeniferw
 Sample : IC6705-2
 Misc : MS57318,VN6705,,,,,
 ALS Vial : 12 Sample Multiplier: 1

Quant Time: Aug 20 13:44:15 2024
 Quant Method : C:\msdchem\1\methods\SIMCL_VN6705_082024.M
 Quant Title : Standard Methods 6200B
 QLast Update : Tue Aug 20 13:23:25 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	

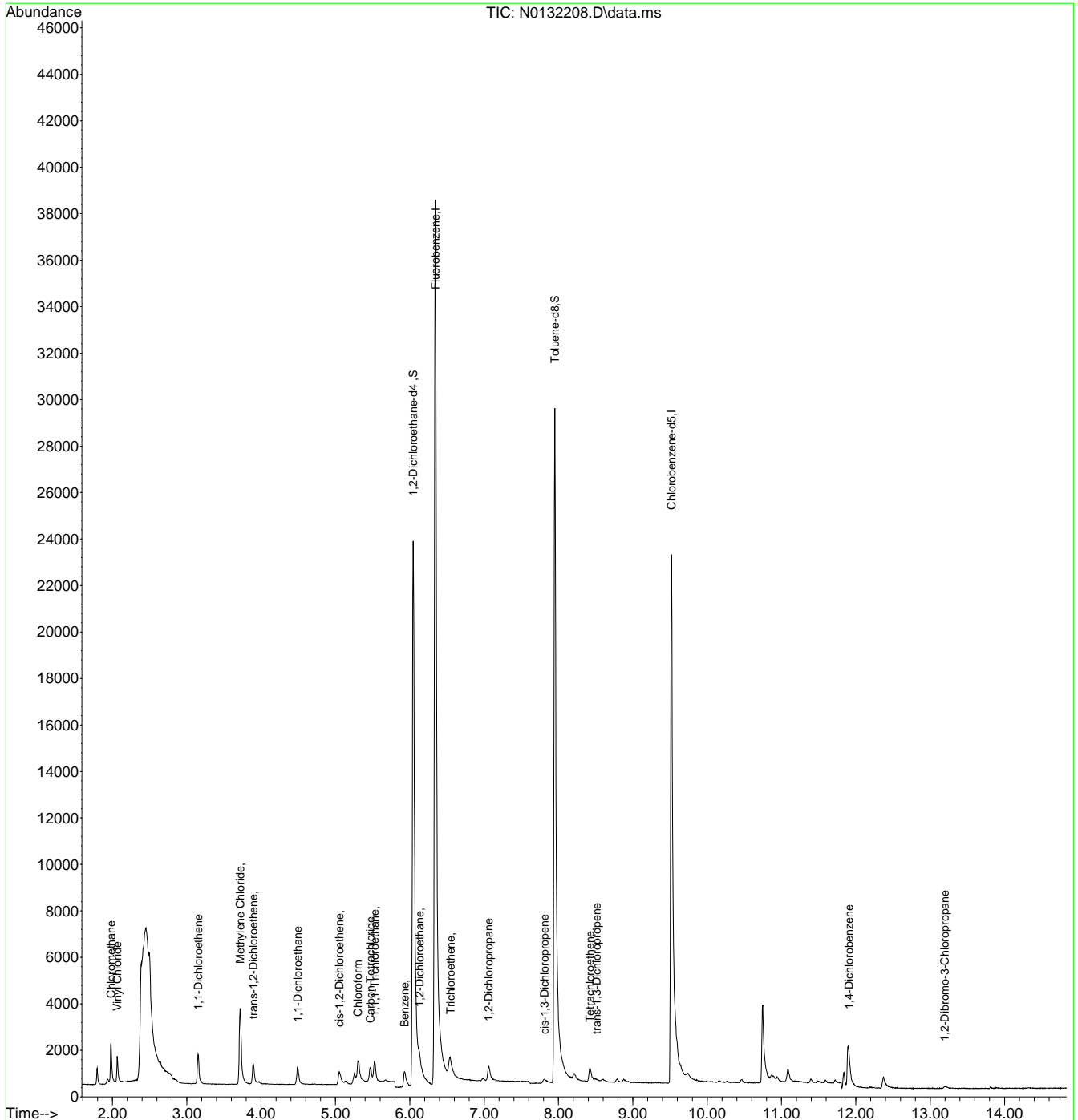
Internal Standards							
1) Fluorobenzene	6.341	96	50625	5.00	ug/L	0.00	
18) Chlorobenzene-d5	9.519	117	31825	5.00	ug/L	0.00	
System Monitoring Compounds							
13) 1,2-Dichloroethane-d4	6.045	65	22163	5.02	ug/L	0.00	
Spiked Amount	5.000	Range 74 - 125	Recovery	=	100.40%		
19) Toluene-d8	7.950	98	36684	5.24	ug/L	0.00	
Spiked Amount	5.000	Range 88 - 111	Recovery	=	104.80%		
Target Compounds							
							Qvalue
2) Vinyl Chloride	2.065	62	1030	0.92	ug/L		99
3) Chloromethane	1.982	50	1890	1.01	ug/L		99
4) 1,1-Dichloroethene	3.152	61	929	0.60	ug/L		88
5) Methylene Chloride	3.718	49	3350	1.63	ug/L		88
6) trans-1,2-Dichloroethene	3.894	61	770	0.59	ug/L		95
7) 1,1-Dichloroethane	4.492	63	1009	0.57	ug/L		96
8) cis-1,2-Dichloroethene	5.052	96	467	0.62	ug/L		94
9) Chloroform	5.303	83	1576	0.78	ug/L		93
10) Carbon Tetrachloride	5.473	117	471	0.60	ug/L		97
11) 1,1,1-Trichloroethane	5.527	97	672	0.59	ug/L		94
12) Benzene	5.931	78	1712	0.60	ug/L		96
14) 1,2-Dichloroethane	6.129	62	723	0.56	ug/L		98
15) Trichloroethene	6.548	95	489	0.61	ug/L		93
16) 1,2-Dichloropropane	7.058	63	526	0.61	ug/L		92
17) cis-1,3-Dichloropropene	7.813	75	347	0.51	ug/L		78
20) trans-1,3-Dichloropropene	8.512	75	218	0.37	ug/L #		59
21) Tetrachloroethene	8.424	166	449	0.59	ug/L #		96
22) 1,4-Dichlorobenzene	11.909	146	1037	0.63	ug/L #		32
23) 1,2-Dibromo-3-Chloropr...	13.196	75	123m	0.87	ug/L		

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\08-20-24\
 Data File : N0132208.D
 Acq On : 20 Aug 2024 1:28 pm
 Operator : jeniferw
 Sample : IC6705-2
 Misc : MS57318,VN6705,,,,,
 ALS Vial : 12 Sample Multiplier: 1

Quant Time: Aug 20 13:44:15 2024
 Quant Method : C:\msdchem\1\methods\SIMCL_VN6705_082024.M
 Quant Title : Standard Methods 6200B
 QLast Update : Tue Aug 20 13:23:25 2024
 Response via : Initial Calibration



Manual Integration Approval Summary

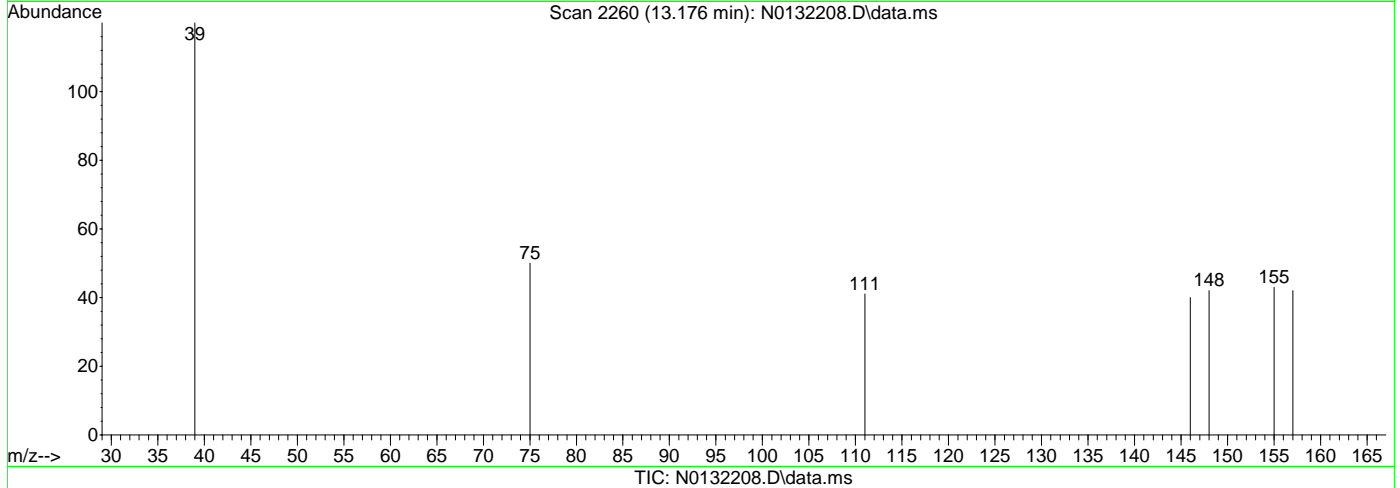
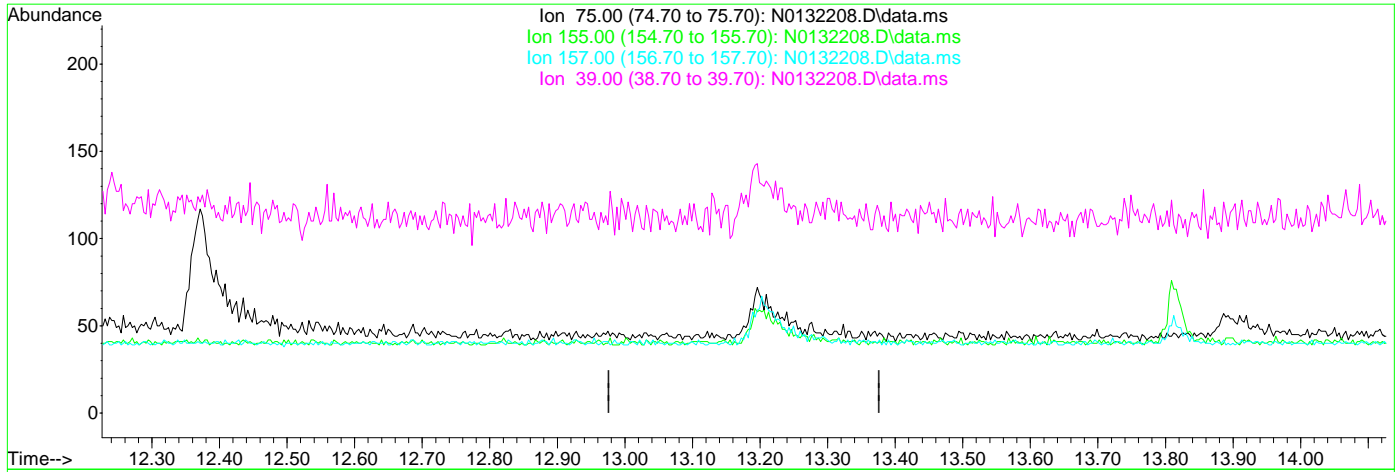
Sample Number: VN6705-IC6705 **Method:** SW846 8260D BY SIM
Lab FileID: N0132208.D **Analyst approved:** 08/20/24 14:18 Jenifer Willis
Injection Time: 08/20/24 13:28 **Supervisor approved:** 08/20/24 14:44 Karen Watson

Parameter	CAS	Sig#	R.T. (min.)	Reason
1,2-Dibromo-3-chloropropane	96-12-8		13.20	Missed peak

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\08-20-24\
 Data File : N0132208.D
 Acq On : 20 Aug 2024 1:28 pm
 Operator : jeniferw
 Sample : IC6705-2
 Misc : MS57274,VN6705,,,,,
 ALS Vial : 12 Sample Multiplier: 1

Quant Time: Aug 20 13:44:05 2024
 Quant Method : C:\msdchem\1\methods\SIMCL_VN6705_082024.M
 Quant Title : Standard Methods 6200B
 QLast Update : Tue Aug 20 13:23:25 2024
 Response via : Initial Calibration



(23) 1,2-Dibromo-3-Chloropropane

13.176min (-13.176) 0.00ug/L

response 0

Ion	Exp%	Act%
75.00	100	0.00
155.00	72.00	0.00#
157.00	87.40	0.00#
39.00	113.50	0.00#

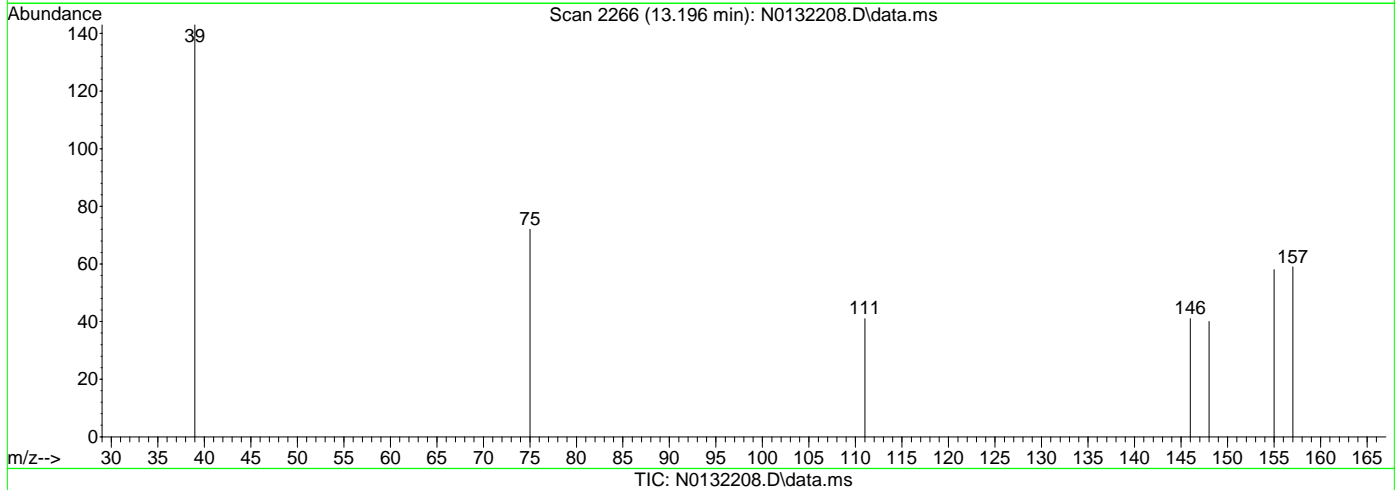
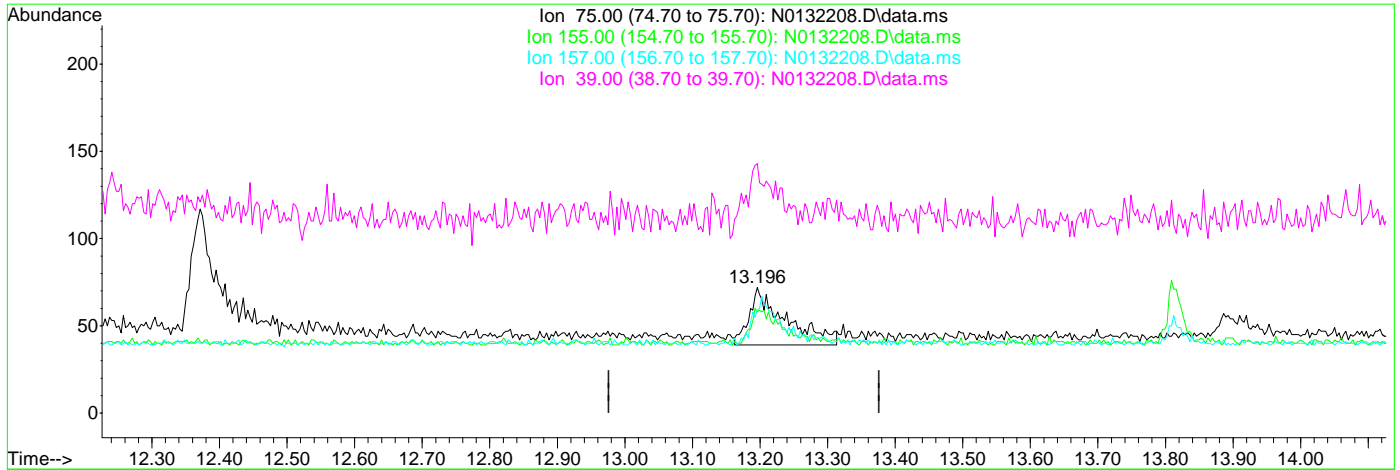


7.6.7.2
7

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\08-20-24\
 Data File : N0132208.D
 Acq On : 20 Aug 2024 1:28 pm
 Operator : jeniferw
 Sample : IC6705-2
 Misc : MS57274,VN6705,,,,,
 ALS Vial : 12 Sample Multiplier: 1

Quant Time: Aug 20 13:44:05 2024
 Quant Method : C:\msdchem\1\methods\SIMCL_VN6705_082024.M
 Quant Title : Standard Methods 6200B
 QLast Update : Tue Aug 20 13:23:25 2024
 Response via : Initial Calibration



(23) 1,2-Dibromo-3-Chloropropane

13.196min (+0.020) 0.87ug/L m

response 123

Ion	Exp%	Act%
75.00	100	100
155.00	72.00	80.56
157.00	87.40	81.94
39.00	113.50	198.61#

7.6.7.3
7

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\08-20-24\
 Data File : N0132209.D
 Acq On : 20 Aug 2024 1:52 pm
 Operator : jeniferw
 Sample : ICV6705-5
 Misc : MS57318,VN6705,,,,,
 ALS Vial : 13 Sample Multiplier: 1

Quant Time: Aug 20 14:07:51 2024
 Quant Method : C:\msdchem\1\methods\SIMCL_VN6705_082024.M
 Quant Title : Standard Methods 6200B
 QLast Update : Tue Aug 20 14:01:28 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	

Internal Standards							
1) Fluorobenzene	6.341	96	60876	5.00	ug/L	0.00	
18) Chlorobenzene-d5	9.519	117	38477	5.00	ug/L	0.00	
System Monitoring Compounds							
13) 1,2-Dichloroethane-d4	6.045	65	24856	4.75	ug/L	0.00	
Spiked Amount	5.000	Range 74 - 125	Recovery	=	95.00%		
19) Toluene-d8	7.950	98	44023	5.18	ug/L	0.00	
Spiked Amount	5.000	Range 88 - 111	Recovery	=	103.60%		
Target Compounds							
							Qvalue
2) Vinyl Chloride	2.065	62	11230	8.34	ug/L		100
3) Chloromethane	1.977	50	14558	8.09	ug/L		99
4) 1,1-Dichloroethene	3.147	61	18570	10.37	ug/L		99
5) Methylene Chloride	3.712	49	25489	10.75	ug/L		99
6) trans-1,2-Dichloroethene	3.883	61	16100	10.77	ug/L		99
7) 1,1-Dichloroethane	4.487	63	21110	10.51	ug/L		100
8) cis-1,2-Dichloroethene	5.041	96	9214	10.51	ug/L		96
9) Chloroform	5.303	83	21095	10.63	ug/L		99
10) Carbon Tetrachloride	5.466	117	9791	10.75	ug/L		97
11) 1,1,1-Trichloroethane	5.527	97	14177	10.94	ug/L		100
12) Benzene	5.915	78	34837	10.71	ug/L		99
14) 1,2-Dichloroethane	6.120	62	16914	11.01	ug/L		98
15) Trichloroethene	6.531	95	10005	10.93	ug/L		99
16) 1,2-Dichloropropane	7.046	63	11103	10.82	ug/L		99
17) cis-1,3-Dichloropropene	7.769	75	9207	11.33	ug/L		99
20) trans-1,3-Dichloropropene	8.424	75	8519	10.99	ug/L		97
21) Tetrachloroethene	8.407	166	10078	11.63	ug/L #		97
22) 1,4-Dichlorobenzene	11.906	146	22317	11.35	ug/L		99
23) 1,2-Dibromo-3-Chloropr...	13.179	75	1753	10.88	ug/L		98

(#) = qualifier out of range (m) = manual integration (+) = signals summed

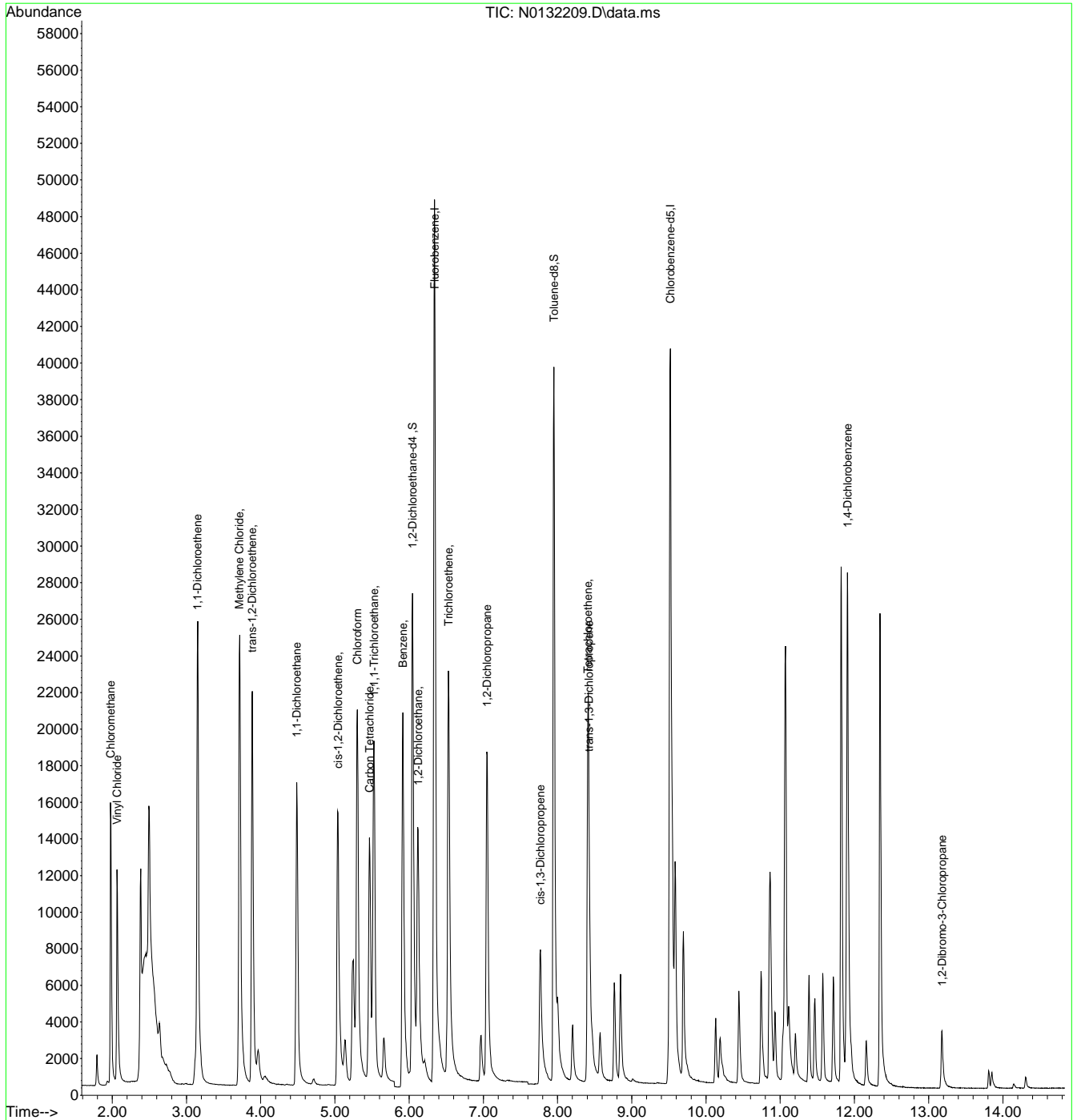


7.6.8
7

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\08-20-24\
 Data File : N0132209.D
 Acq On : 20 Aug 2024 1:52 pm
 Operator : jeniferw
 Sample : ICV6705-5
 Misc : MS57318,VN6705,,,,,
 ALS Vial : 13 Sample Multiplier: 1

Quant Time: Aug 20 14:07:51 2024
 Quant Method : C:\msdchem\1\methods\SIMCL_VN6705_082024.M
 Quant Title : Standard Methods 6200B
 QLast Update : Tue Aug 20 14:01:28 2024
 Response via : Initial Calibration



8'9'7

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\08-26-24\
 Data File : N0132252.D
 Acq On : 26 Aug 2024 6:54 am
 Operator : jeniferw
 Sample : CC6705-5
 Misc : MS57352,VN6708,,,,,
 ALS Vial : 2 Sample Multiplier: 1

Quant Time: Aug 26 07:39:31 2024
 Quant Method : C:\msdchem\1\methods\SIMCL_VN6705_082024.M
 Quant Title : Standard Methods 6200B
 QLast Update : Tue Aug 20 14:01:28 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	

Internal Standards							
1) Fluorobenzene	6.341	96	63802	5.00	ug/L	0.00	
18) Chlorobenzene-d5	9.514	117	41265	5.00	ug/L	0.00	
System Monitoring Compounds							
13) 1,2-Dichloroethane-d4	6.045	65	23873	4.35	ug/L	0.00	
Spiked Amount	5.000	Range 74 - 125	Recovery	=	87.00%		
19) Toluene-d8	7.945	98	48569	5.33	ug/L	0.00	
Spiked Amount	5.000	Range 88 - 111	Recovery	=	106.60%		
Target Compounds							
							Qvalue
2) Vinyl Chloride	2.065	62	15396	10.91	ug/L		99
3) Chloromethane	1.982	50	19636	10.42	ug/L		99
4) 1,1-Dichloroethene	3.152	61	17497	9.32	ug/L		90
5) Methylene Chloride	3.712	49	24473	9.63	ug/L		97
6) trans-1,2-Dichloroethene	3.883	61	15596	9.95	ug/L		99
7) 1,1-Dichloroethane	4.487	63	20645	9.81	ug/L		99
8) cis-1,2-Dichloroethene	5.041	96	9372	10.20	ug/L		96
9) Chloroform	5.303	83	20195	9.55	ug/L		98
10) Carbon Tetrachloride	5.466	117	7989	8.37	ug/L		96
11) 1,1,1-Trichloroethane	5.527	97	12375	9.11	ug/L		99
12) Benzene	5.915	78	33941	9.96	ug/L		97
14) 1,2-Dichloroethane	6.116	62	15629	9.71	ug/L		99
15) Trichloroethene	6.531	95	9382	9.78	ug/L		99
16) 1,2-Dichloropropane	7.047	63	10614	9.87	ug/L		99
17) cis-1,3-Dichloropropene	7.763	75	9481	11.14	ug/L		99
20) trans-1,3-Dichloropropene	8.424	75	9683	11.53	ug/L		95
21) Tetrachloroethene	8.407	166	9671	10.41	ug/L #		97
22) 1,4-Dichlorobenzene	11.906	146	21114	10.01	ug/L		98
23) 1,2-Dibromo-3-Chloropr...	13.176	75	1412	8.17	ug/L		93

(#) = qualifier out of range (m) = manual integration (+) = signals summed

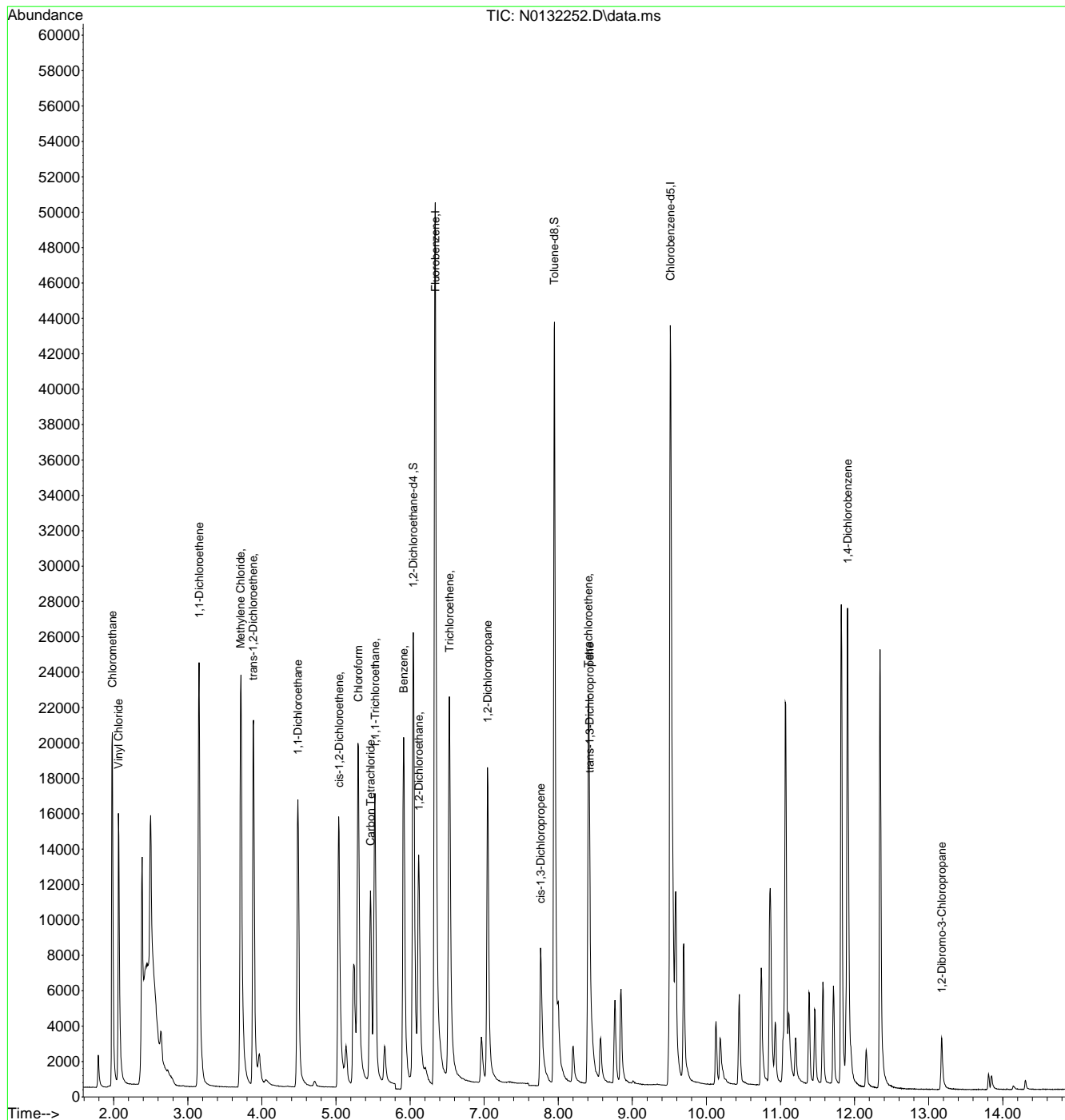


7.6.9
7

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\08-26-24\
 Data File : N0132252.D
 Acq On : 26 Aug 2024 6:54 am
 Operator : jeniferw
 Sample : CC6705-5
 Misc : MS57352,VN6708,,,,,
 ALS Vial : 2 Sample Multiplier: 1

Quant Time: Aug 26 07:39:31 2024
 Quant Method : C:\msdchem\1\methods\SIMCL_VN6705_082024.M
 Quant Title : Standard Methods 6200B
 QLast Update : Tue Aug 20 14:01:28 2024
 Response via : Initial Calibration



6.9.7



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\08-26-24\
 Data File : N0132278.D
 Acq On : 26 Aug 2024 5:12 pm
 Operator : jeniferw
 Sample : ECC6705-5
 Misc : MS57355,VN6708,,,,,
 ALS Vial : 28 Sample Multiplier: 1

Quant Time: Aug 27 05:08:54 2024
 Quant Method : C:\msdchem\1\methods\SIMCL_VN6705_082024.M
 Quant Title : Standard Methods 6200B
 QLast Update : Tue Aug 20 14:01:28 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	

Internal Standards							
1) Fluorobenzene	6.341	96	56168	5.00	ug/L	0.00	
18) Chlorobenzene-d5	9.519	117	36211	5.00	ug/L	0.00	
System Monitoring Compounds							
13) 1,2-Dichloroethane-d4	6.045	65	23680	4.90	ug/L	0.00	
Spiked Amount	5.000	Range 74 - 125	Recovery	=	98.00%		
19) Toluene-d8	7.951	98	40122	5.02	ug/L	0.00	
Spiked Amount	5.000	Range 88 - 111	Recovery	=	100.40%		
Target Compounds							
							Qvalue
2) Vinyl Chloride	2.065	62	15182	12.22	ug/L		99
3) Chloromethane	1.977	50	20756	12.51	ug/L		99
4) 1,1-Dichloroethene	3.152	61	16950	10.26	ug/L		91
5) Methylene Chloride	3.712	49	25501	11.94	ug/L		99
6) trans-1,2-Dichloroethene	3.883	61	14816	10.74	ug/L		100
7) 1,1-Dichloroethane	4.487	63	20116	10.86	ug/L		99
8) cis-1,2-Dichloroethene	5.041	96	8940	11.05	ug/L		97
9) Chloroform	5.303	83	19951	10.95	ug/L		98
10) Carbon Tetrachloride	5.466	117	7819	9.31	ug/L		97
11) 1,1,1-Trichloroethane	5.527	97	12051	10.08	ug/L		99
12) Benzene	5.915	78	33208	11.07	ug/L		99
14) 1,2-Dichloroethane	6.121	62	16099	11.36	ug/L		98
15) Trichloroethene	6.531	95	9143	10.83	ug/L		98
16) 1,2-Dichloropropane	7.052	63	10322	10.90	ug/L		99
17) cis-1,3-Dichloropropene	7.769	75	8514	11.36	ug/L		98
20) trans-1,3-Dichloropropene	8.424	75	8654	11.70	ug/L		96
21) Tetrachloroethene	8.413	166	8935	10.96	ug/L #		98
22) 1,4-Dichlorobenzene	11.906	146	20765	11.22	ug/L		99
23) 1,2-Dibromo-3-Chloropr...	13.176	75	1374	9.06	ug/L		97

(#) = qualifier out of range (m) = manual integration (+) = signals summed

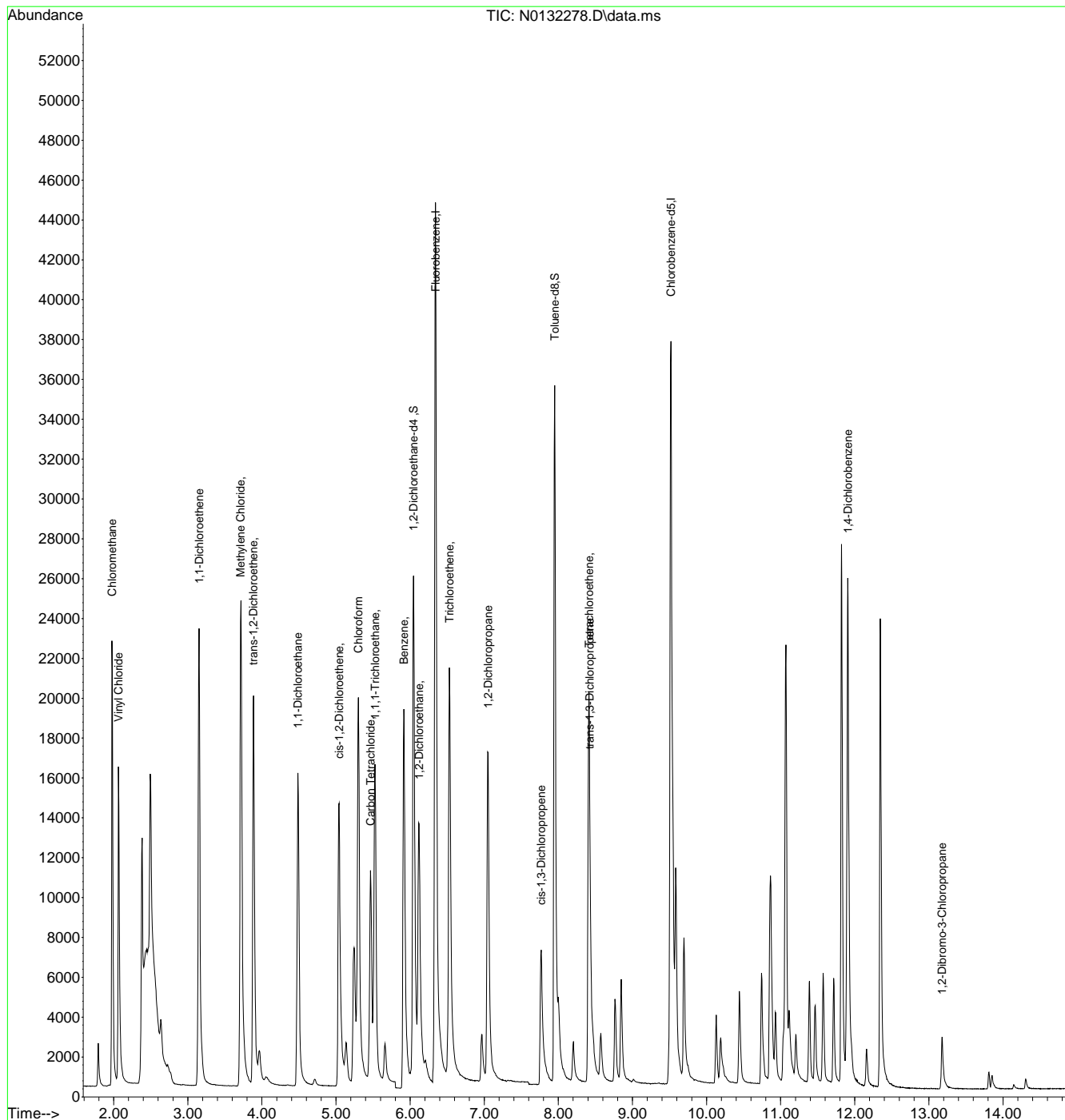
7.6.10
7



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\08-26-24\
 Data File : N0132278.D
 Acq On : 26 Aug 2024 5:12 pm
 Operator : jeniferw
 Sample : ECC6705-5
 Misc : MS57355,VN6708,,,,,
 ALS Vial : 28 Sample Multiplier: 1

Quant Time: Aug 27 05:08:54 2024
 Quant Method : C:\msdchem\1\methods\SIMCL_VN6705_082024.M
 Quant Title : Standard Methods 6200B
 QLast Update : Tue Aug 20 14:01:28 2024
 Response via : Initial Calibration



7.6.10
7

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\08-29-24\
 Data File : N0132342.D
 Acq On : 29 Aug 2024 6:49 am
 Operator : jeniferw
 Sample : CC6705-5
 Misc : MS57378,VN6711,,,,,
 ALS Vial : 2 Sample Multiplier: 1

Quant Time: Aug 29 07:33:06 2024
 Quant Method : C:\msdchem\1\methods\SIMCL_VN6705_082024.M
 Quant Title : Standard Methods 6200B
 QLast Update : Tue Aug 20 14:01:28 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	

Internal Standards							
1) Fluorobenzene	6.335	96	59336	5.00	ug/L	0.00	
18) Chlorobenzene-d5	9.514	117	39178	5.00	ug/L	0.00	
System Monitoring Compounds							
13) 1,2-Dichloroethane-d4	6.041	65	24308	4.76	ug/L	0.00	
Spiked Amount	5.000	Range 74 - 125	Recovery	=	95.20%		
19) Toluene-d8	7.945	98	43840	5.07	ug/L	0.00	
Spiked Amount	5.000	Range 88 - 111	Recovery	=	101.40%		
Target Compounds							
							Qvalue
2) Vinyl Chloride	2.059	62	19184	14.61	ug/L		98
3) Chloromethane	1.977	50	20839	11.89	ug/L		99
4) 1,1-Dichloroethene	3.147	61	15809	9.05	ug/L		89
5) Methylene Chloride	3.712	49	31290	14.71	ug/L		86
6) trans-1,2-Dichloroethene	3.883	61	14367	9.86	ug/L		90
7) 1,1-Dichloroethane	4.481	63	19630	10.03	ug/L		99
8) cis-1,2-Dichloroethene	5.036	96	8764	10.26	ug/L		95
9) Chloroform	5.296	83	19612	10.05	ug/L		98
10) Carbon Tetrachloride	5.466	117	7497	8.45	ug/L		98
11) 1,1,1-Trichloroethane	5.520	97	11811	9.35	ug/L		97
12) Benzene	5.911	78	31572	9.96	ug/L		98
14) 1,2-Dichloroethane	6.112	62	14762	9.86	ug/L		98
15) Trichloroethene	6.531	95	8803	9.87	ug/L		96
16) 1,2-Dichloropropane	7.047	63	9957	9.96	ug/L		98
17) cis-1,3-Dichloropropene	7.758	75	8385	10.59	ug/L		97
20) trans-1,3-Dichloropropene	8.419	75	8381	10.68	ug/L		94
21) Tetrachloroethene	8.408	166	8904	10.09	ug/L #		98
22) 1,4-Dichlorobenzene	11.903	146	21131	10.55	ug/L		98
23) 1,2-Dibromo-3-Chloropr...	13.173	75	1507	9.19	ug/L		90

(#) = qualifier out of range (m) = manual integration (+) = signals summed

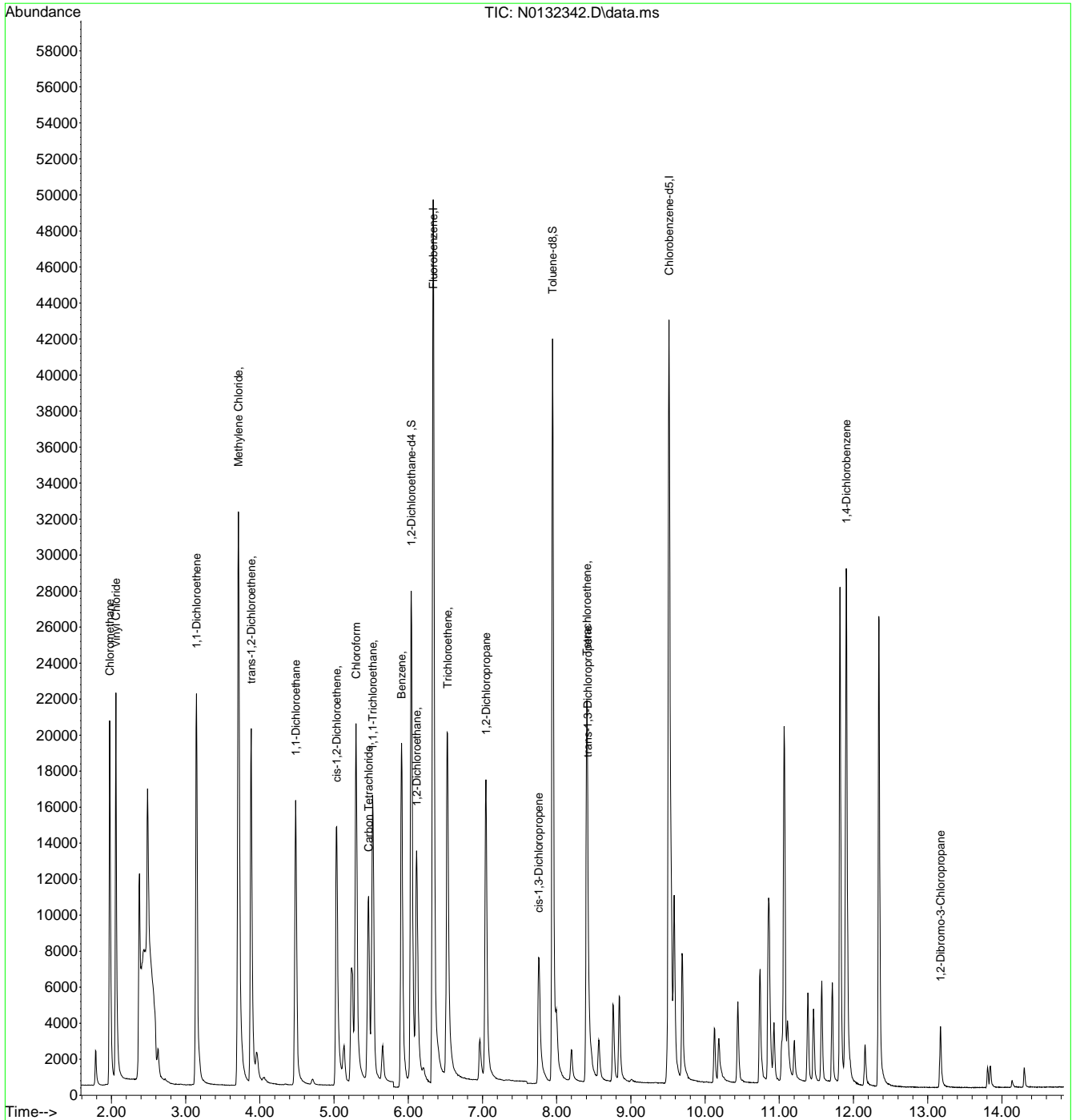
7.6.11
7



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\08-29-24\
 Data File : N0132342.D
 Acq On : 29 Aug 2024 6:49 am
 Operator : jeniferw
 Sample : CC6705-5
 Misc : MS57378,VN6711,,,,,
 ALS Vial : 2 Sample Multiplier: 1

Quant Time: Aug 29 07:33:06 2024
 Quant Method : C:\msdchem\1\methods\SIMCL_VN6705_082024.M
 Quant Title : Standard Methods 6200B
 QLast Update : Tue Aug 20 14:01:28 2024
 Response via : Initial Calibration



7.6.11
7



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\08-29-24\
 Data File : N0132369.D
 Acq On : 29 Aug 2024 5:28 pm
 Operator : jeniferw
 Sample : ECC6705-5
 Misc : MS57382,VN6711,,,,,
 ALS Vial : 28 Sample Multiplier: 1

Quant Time: Aug 30 06:42:26 2024
 Quant Method : C:\msdchem\1\methods\SIMCL_VN6705_082024.M
 Quant Title : Standard Methods 6200B
 QLast Update : Tue Aug 20 14:01:28 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	

Internal Standards							
1) Fluorobenzene	6.341	96	60767	5.00	ug/L	0.00	
18) Chlorobenzene-d5	9.514	117	40877	5.00	ug/L	0.00	
System Monitoring Compounds							
13) 1,2-Dichloroethane-d4	6.045	65	26443	5.06	ug/L	0.00	
Spiked Amount	5.000	Range 74 - 125	Recovery	=	101.20%		
19) Toluene-d8	7.951	98	44683	4.95	ug/L	0.00	
Spiked Amount	5.000	Range 88 - 111	Recovery	=	99.00%		
Target Compounds							
							Qvalue
2) Vinyl Chloride	2.065	62	14685	10.92	ug/L		98
3) Chloromethane	1.977	50	19171	10.68	ug/L		99
4) 1,1-Dichloroethene	3.147	61	15471	8.65	ug/L		99
5) Methylene Chloride	3.712	49	30015	13.39	ug/L		95
6) trans-1,2-Dichloroethene	3.883	61	14037	9.40	ug/L		99
7) 1,1-Dichloroethane	4.487	63	19342	9.65	ug/L		99
8) cis-1,2-Dichloroethene	5.041	96	8441	9.64	ug/L		98
9) Chloroform	5.303	83	19283	9.58	ug/L		99
10) Carbon Tetrachloride	5.466	117	7508	8.26	ug/L		98
11) 1,1,1-Trichloroethane	5.527	97	11738	9.08	ug/L		99
12) Benzene	5.915	78	31467	9.69	ug/L		98
14) 1,2-Dichloroethane	6.116	62	15575	10.16	ug/L		99
15) Trichloroethene	6.531	95	8631	9.45	ug/L		97
16) 1,2-Dichloropropane	7.053	63	9834	9.60	ug/L		98
17) cis-1,3-Dichloropropene	7.769	75	8015	9.88	ug/L		98
20) trans-1,3-Dichloropropene	8.424	75	8073	9.99	ug/L		97
21) Tetrachloroethene	8.407	166	8793	9.55	ug/L #		96
22) 1,4-Dichlorobenzene	11.906	146	20151	9.64	ug/L		98
23) 1,2-Dibromo-3-Chloropr...	13.176	75	1183	6.91	ug/L		98

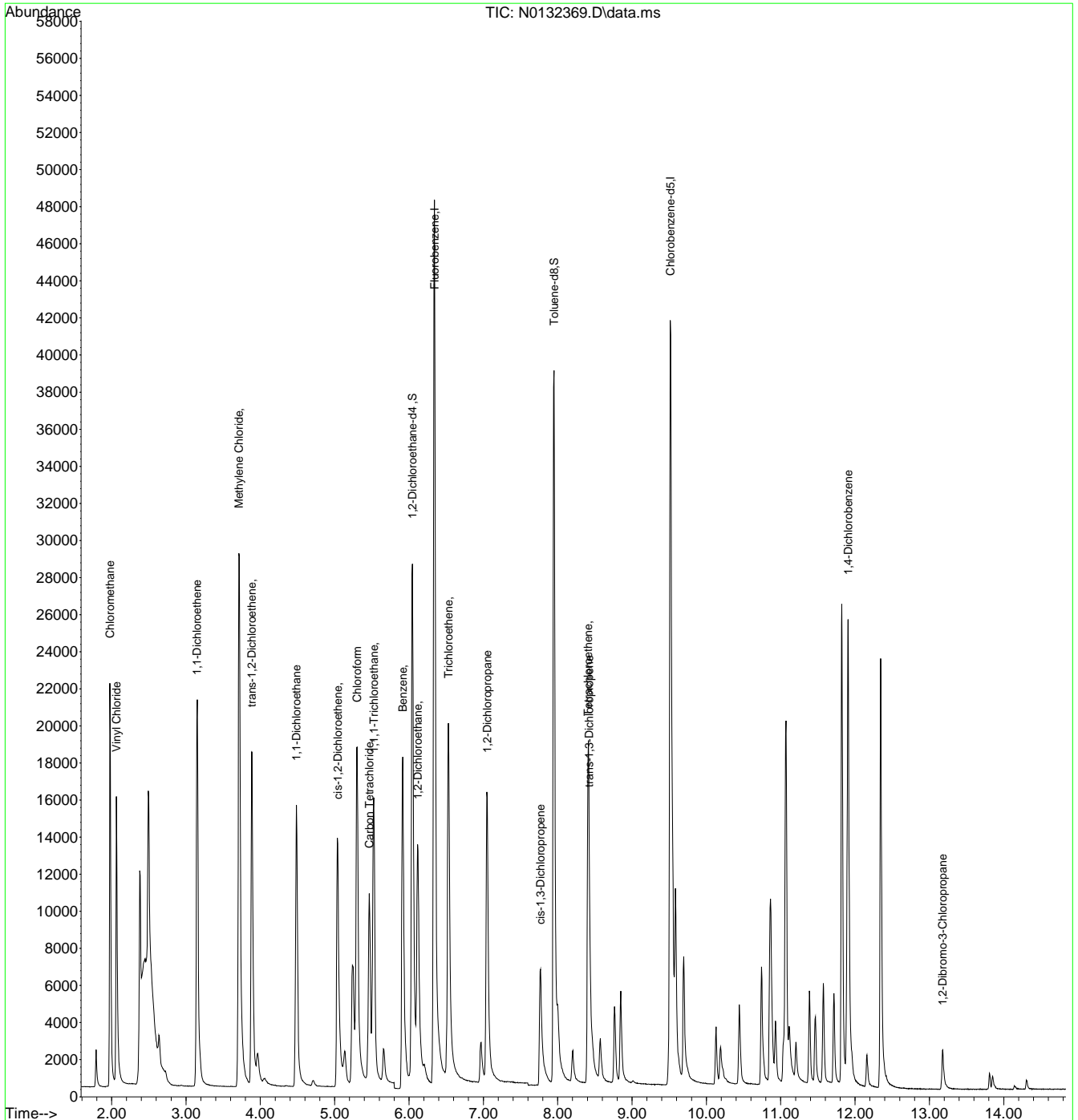
(#) = qualifier out of range (m) = manual integration (+) = signals summed

7.6.12
7

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\08-29-24\
 Data File : N0132369.D
 Acq On : 29 Aug 2024 5:28 pm
 Operator : jeniferw
 Sample : ECC6705-5
 Misc : MS57382,VN6711,,,,,
 ALS Vial : 28 Sample Multiplier: 1

Quant Time: Aug 30 06:42:26 2024
 Quant Method : C:\msdchem\1\methods\SIMCL_VN6705_082024.M
 Quant Title : Standard Methods 6200B
 QLast Update : Tue Aug 20 14:01:28 2024
 Response via : Initial Calibration



7.6.12
7

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\082624\
 Data File : Z76576.D
 Acq On : 26 Aug 2024 8:32 am
 Operator : claudias
 Sample : ic3083-1 Inst : MSVOA15-Z
 Misc : MS57344,VZ3083,,,,,
 ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 26 08:55:12 2024
 Quant Method : C:\msdchem\1\methods\SIMCL-08-21-2024.M
 Quant Title : Standard Methods 6200B
 QLast Update : Wed Aug 21 14:42:17 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	

Internal Standards							
1) Fluorobenzene	7.895	96	20274	5.00	ug/L	0.00	
18) Chlorobenzene-d5	10.980	117	22879	5.00	ug/L	0.00	
System Monitoring Compounds							
13) 1,2-Dichloroethane-d4	7.621	65	9481	5.04	ug/L	0.00	
Spiked Amount	5.000	Range 74 - 125	Recovery	=	100.80%		
19) Toluene-d8	9.428	98	19529	5.04	ug/L	0.00	
Spiked Amount	5.000	Range 88 - 111	Recovery	=	100.80%		
Target Compounds							
							Qvalue
2) Vinyl Chloride	3.184	62	511	0.36	ug/L		87
3) Chloromethane	3.125	50	856	0.49	ug/L		96
4) 1,1-Dichloroethene	4.561	61	515	0.16	ug/L		93
5) Methylene Chloride	5.208	49	4535	1.54	ug/L		88
6) trans-1,2-Dichloroethene	5.389	61	502	0.17	ug/L		97
7) 1,1-Dichloroethane	6.059	63	695	0.18	ug/L		98
8) cis-1,2-Dichloroethene	6.625	96	360	0.17	ug/L		96
9) Chloroform	6.878	83	823m	0.17	ug/L		
10) Carbon Tetrachloride	7.051	117	473m	0.10	ug/L		
11) 1,1,1-Trichloroethane	7.119	97	530m	0.11	ug/L		
12) Benzene	7.492	78	1049	0.18	ug/L		98
14) 1,2-Dichloroethane	7.689	62	543	0.15	ug/L		90
15) Trichloroethene	8.061	95	322	0.16	ug/L		96
16) 1,2-Dichloropropane	8.588	63	297	0.19	ug/L		93
17) cis-1,3-Dichloropropene	9.246	75	309	0.15	ug/L		95
20) trans-1,3-Dichloropropene	9.874	75	300	0.16	ug/L		95
21) Tetrachloroethene	9.874	166	385	0.15	ug/L #		95
22) 1,4-Dichlorobenzene	13.358	146	743	0.13	ug/L		88
23) 1,2-Dibromo-3-Chloropr...	14.520	75	110m	0.22	ug/L		

(#) = qualifier out of range (m) = manual integration (+) = signals summed

7.6.13
7

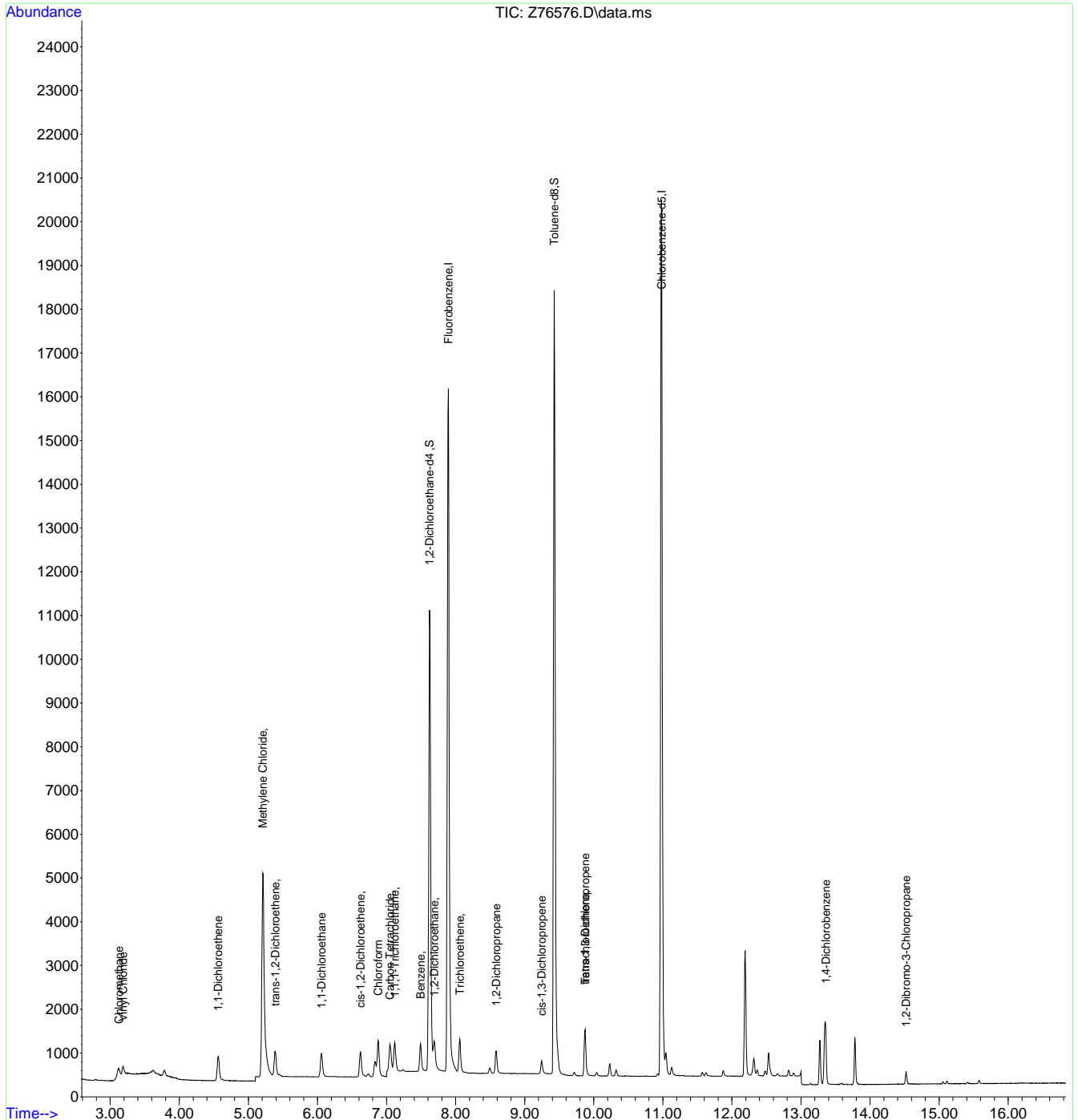


Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\082624\
 Data File : Z76576.D
 Acq On : 26 Aug 2024 8:32 am
 Operator : claudias
 Sample : ic3083-1
 Misc : MS57344,VZ3083,,,,,
 ALS Vial : 3 Sample Multiplier: 1

Inst : MSVOA15-Z

Quant Time: Aug 26 08:55:12 2024
 Quant Method : C:\msdchem\1\methods\SIMCL-08-21-2024.M
 Quant Title : Standard Methods 6200B
 QLast Update : Wed Aug 21 14:42:17 2024
 Response via : Initial Calibration



7.6.13
7

Manual Integration Approval Summary

Sample Number: VZ3083-IC3083 **Method:** SW846 8260D BY SIM
Lab FileID: Z76576.D **Analyst approved:** 08/27/24 07:34 Claudia Sosa
Injection Time: 08/26/24 08:32 **Supervisor approved:** 08/27/24 10:54 Karen Watson

Parameter	CAS	Sig#	R.T. (min.)	Reason
Chloroform	67-66-3		6.88	Poor instrument integration
Carbon Tetrachloride	56-23-5		7.05	Poor instrument integration
1,1,1-Trichloroethane	71-55-6		7.12	Poor instrument integration
1,2-Dibromo-3-chloropropane	96-12-8		14.52	Missed peak

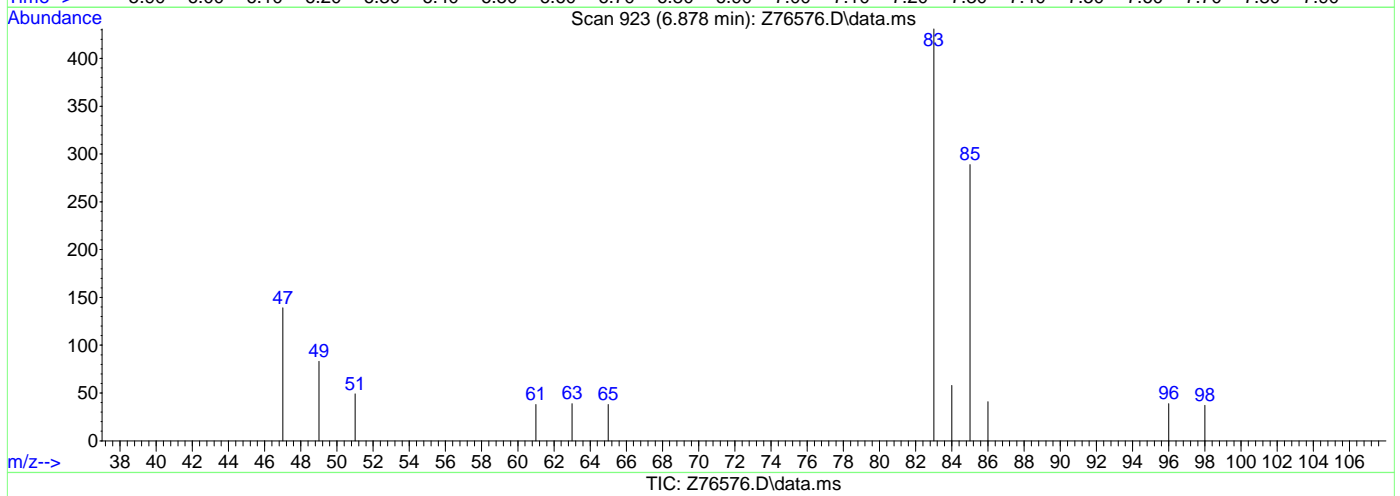
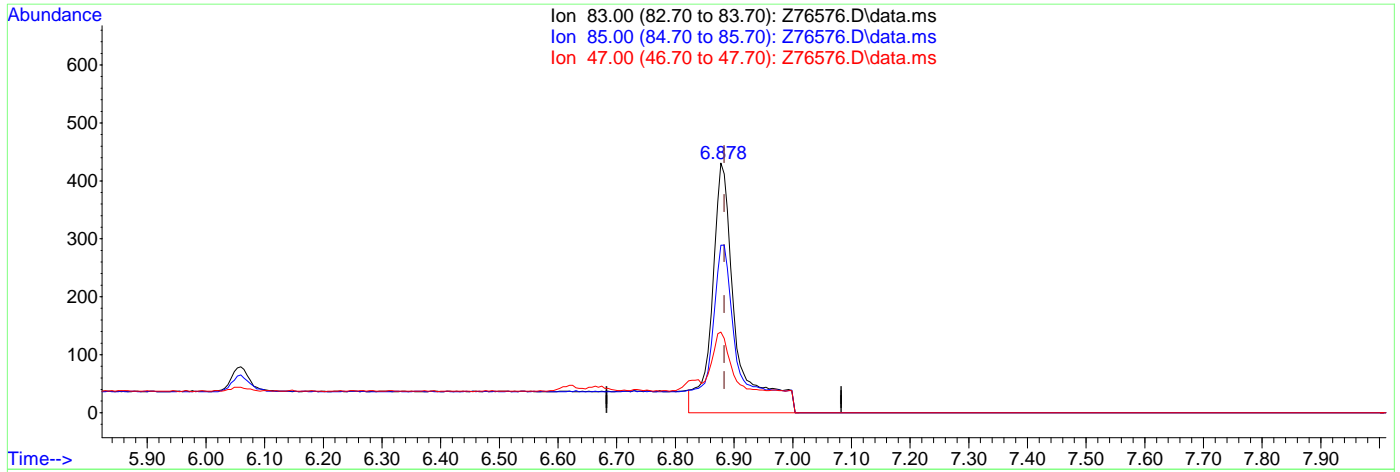
7.6.13.1
7

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\082624\
 Data File : Z76576.D
 Acq On : 26 Aug 2024 8:32 am
 Operator : claudias
 Sample : ic3083-1
 Misc : MS57344,VZ3083,,,,,
 ALS Vial : 3 Sample Multiplier: 1

Inst : MSVOA15-Z

Quant Time: Aug 26 08:52:01 2024
 Quant Method : C:\msdchem\1\methods\SIMCL-08-21-2024.M
 Quant Title : Standard Methods 6200B
 QLast Update : Wed Aug 21 14:42:17 2024
 Response via : Initial Calibration



(9) Chloroform

6.878min (-0.005) 0.25ug/L

response 1226

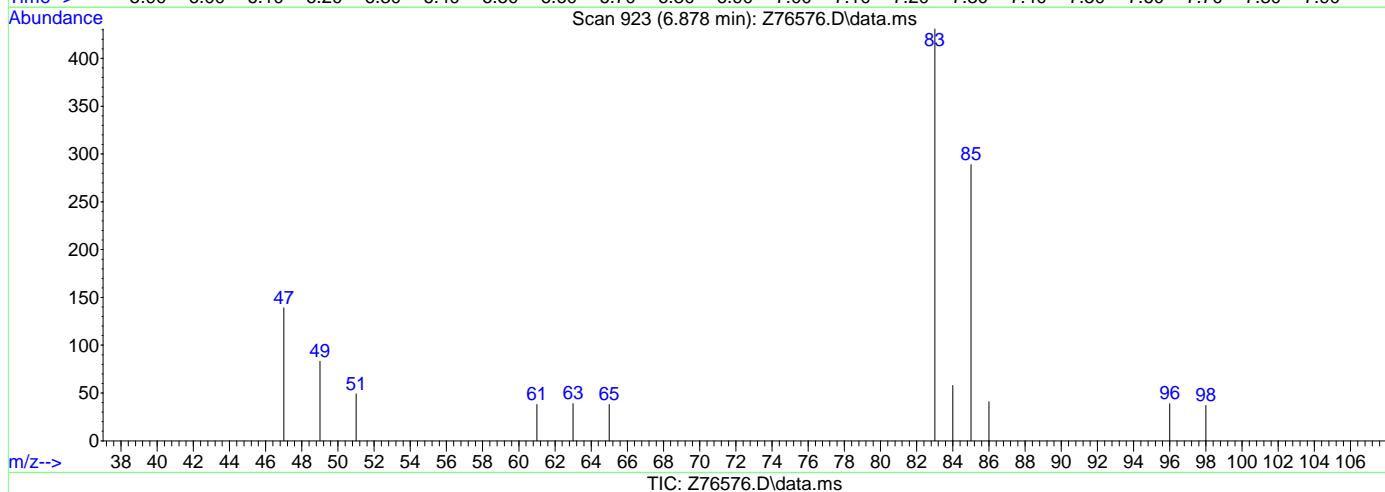
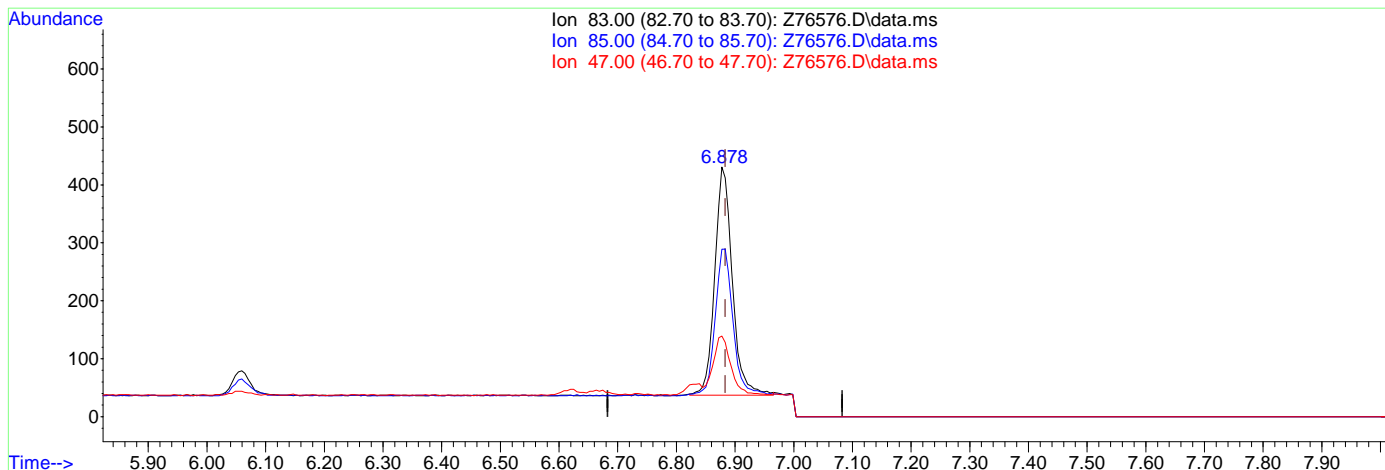
Ion	Exp%	Act%
83.00	100	100
85.00	65.90	67.05
47.00	21.00	32.25
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\082624\
 Data File : Z76576.D
 Acq On : 26 Aug 2024 8:32 am
 Operator : claudias
 Sample : ic3083-1
 Misc : MS57344,VZ3083,,,,,
 ALS Vial : 3 Sample Multiplier: 1

Inst : MSVOA15-Z

Quant Time: Aug 26 08:52:01 2024
 Quant Method : C:\msdchem\1\methods\SIMCL-08-21-2024.M
 Quant Title : Standard Methods 6200B
 QLast Update : Wed Aug 21 14:42:17 2024
 Response via : Initial Calibration



(9) Chloroform

6.878min (-0.005) 0.17ug/L m

response 823

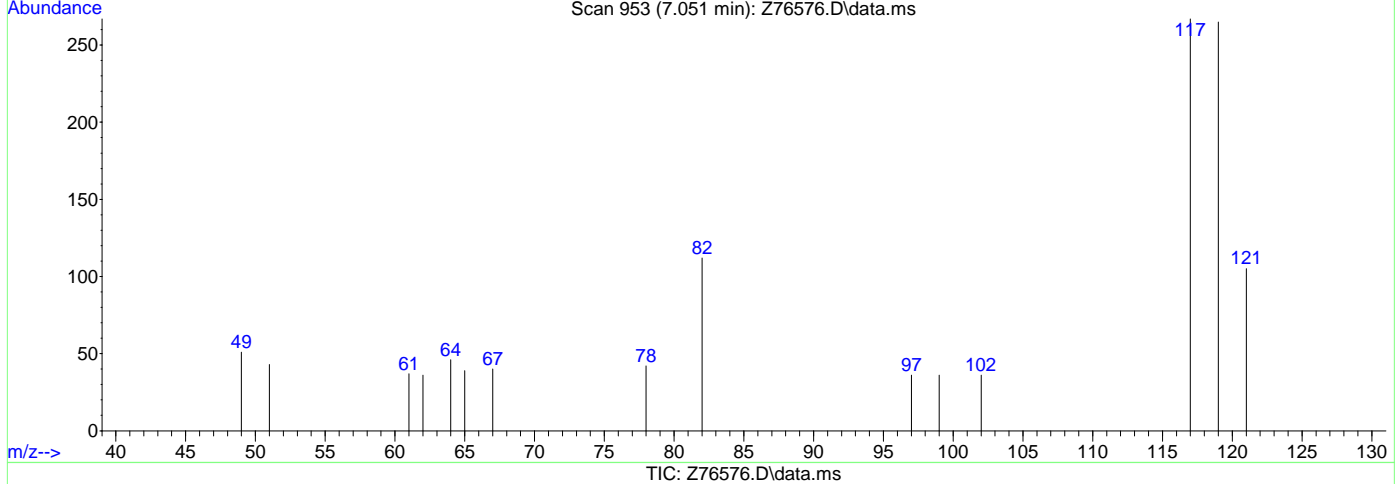
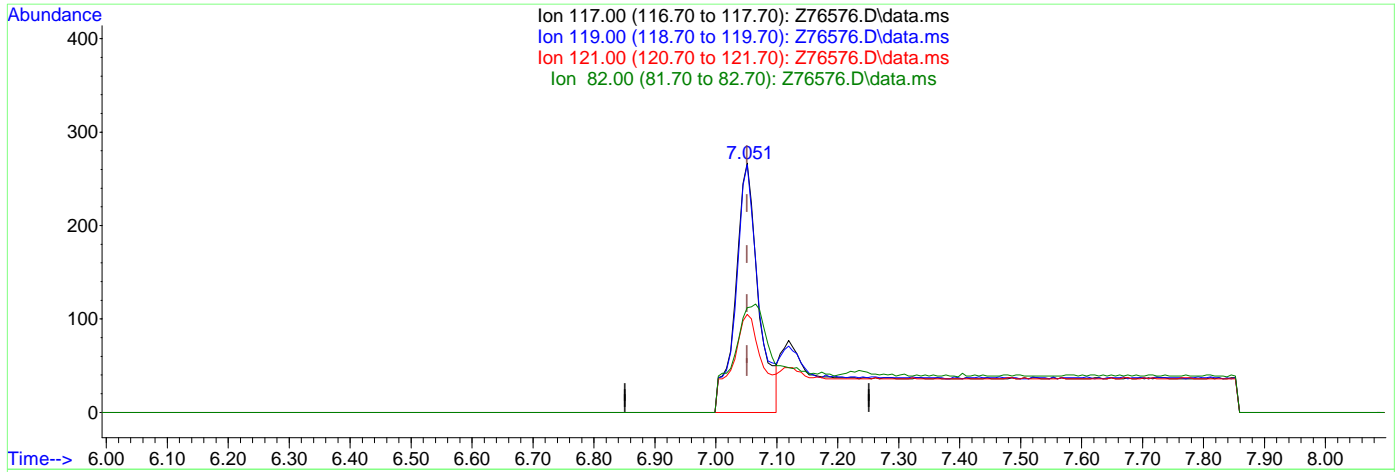
Ion	Exp%	Act%
83.00	100	100
85.00	65.90	67.05
47.00	21.00	32.25
0.00	0.00	0.00

7.6.13.3
7

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\082624\
 Data File : Z76576.D
 Acq On : 26 Aug 2024 8:32 am
 Operator : claudias
 Sample : ic3083-1
 Misc : MS57344,VZ3083,,,,,
 ALS Vial : 3 Sample Multiplier: 1
 Inst : MSVOA15-Z

Quant Time: Aug 26 08:52:01 2024
 Quant Method : C:\msdchem\1\methods\SIMCL-08-21-2024.M
 Quant Title : Standard Methods 6200B
 QLast Update : Wed Aug 21 14:42:17 2024
 Response via : Initial Calibration



(10) Carbon Tetrachloride ()

7.051min (+0.000) 0.15ug/L

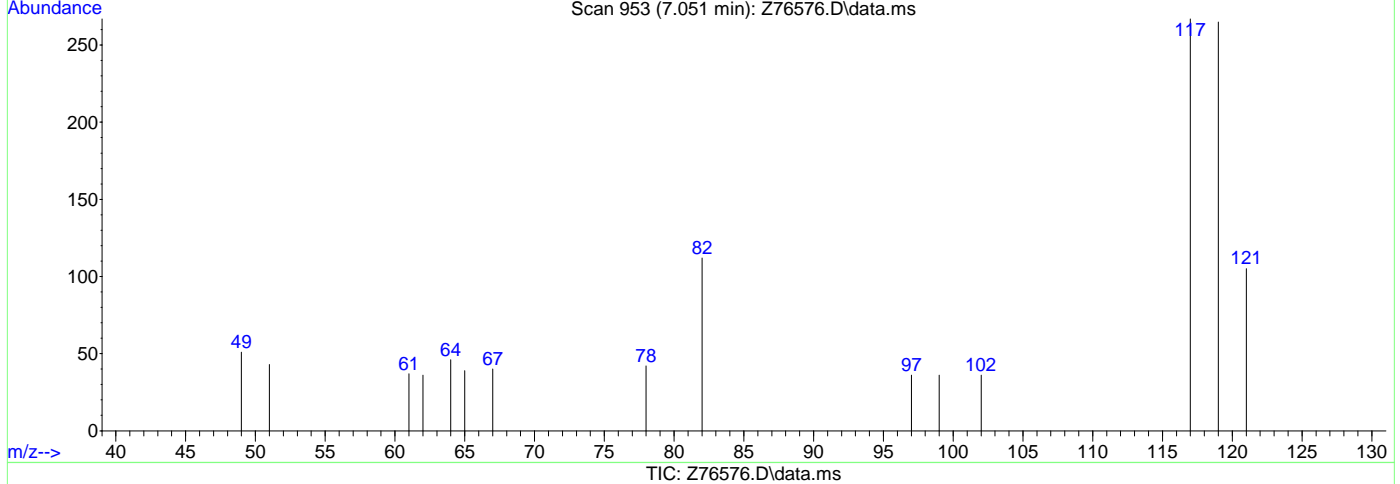
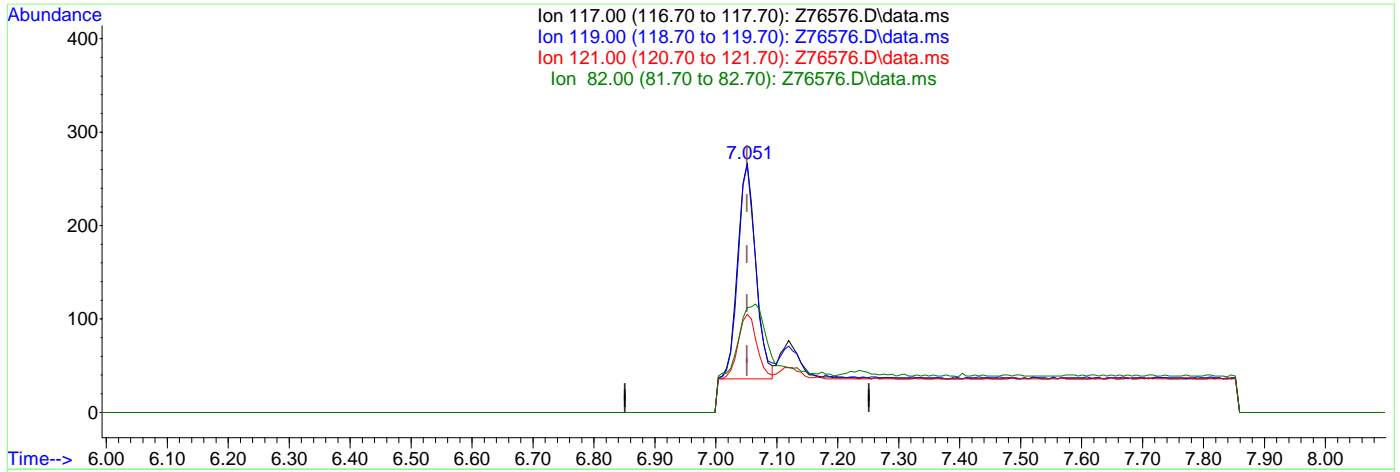
response 682

Ion	Exp%	Act%
117.00	100	100
119.00	96.20	99.25
121.00	31.20	39.33
82.00	20.80	41.95

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\082624\
 Data File : Z76576.D
 Acq On : 26 Aug 2024 8:32 am
 Operator : claudias
 Sample : ic3083-1
 Misc : MS57344,VZ3083,,,,,
 ALS Vial : 3 Sample Multiplier: 1
 Inst : MSVOA15-Z

Quant Time: Aug 26 08:52:01 2024
 Quant Method : C:\msdchem\1\methods\SIMCL-08-21-2024.M
 Quant Title : Standard Methods 6200B
 QLast Update : Wed Aug 21 14:42:17 2024
 Response via : Initial Calibration



(10) Carbon Tetrachloride ()

7.051min (+0.000) 0.10ug/L m

response 473

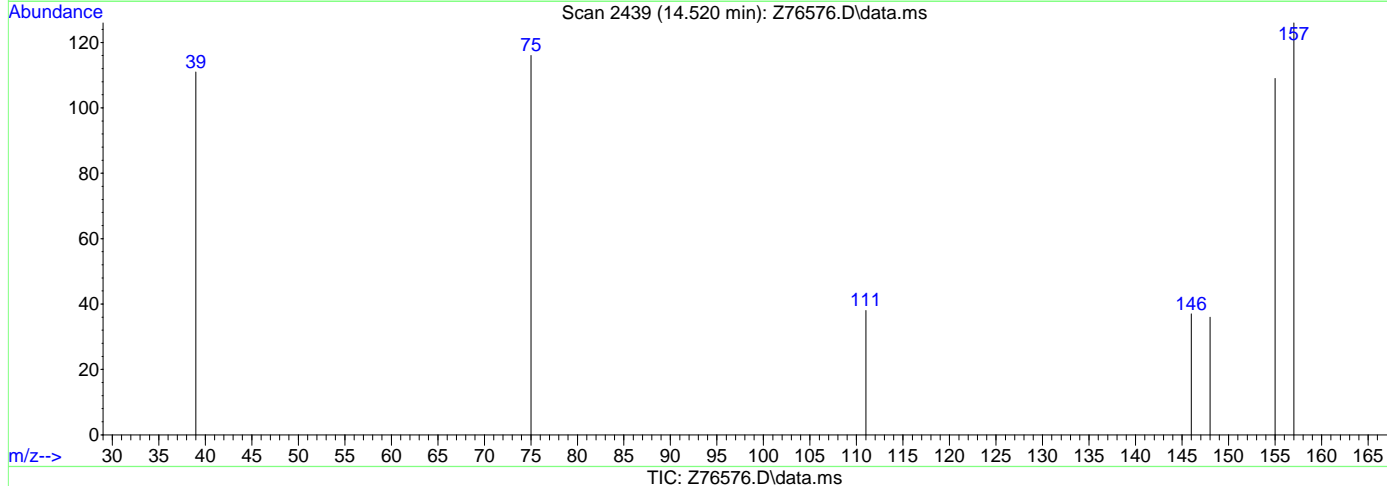
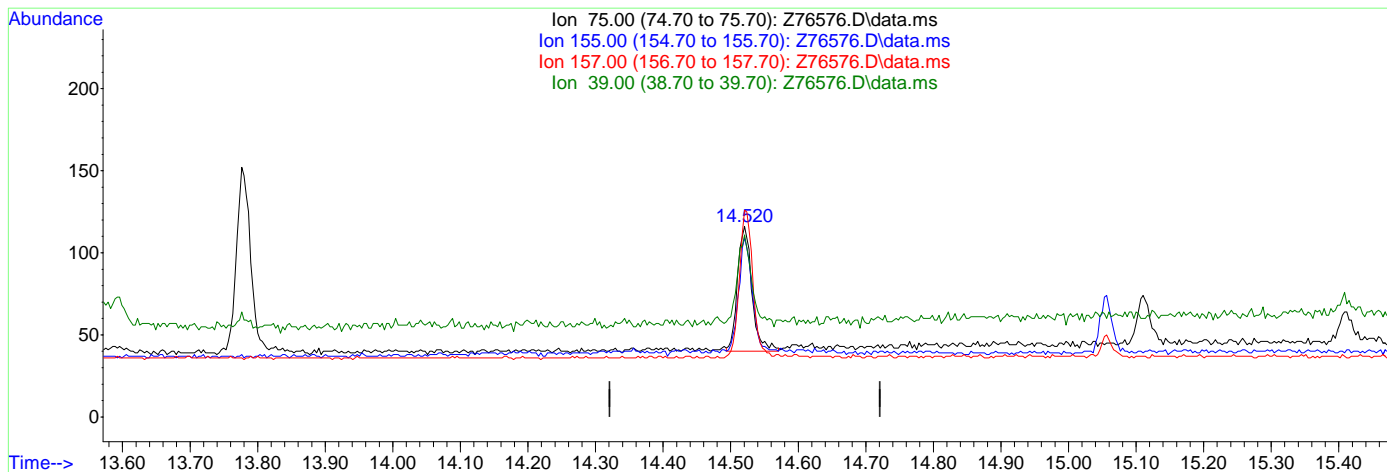
Ion	Exp%	Act%
117.00	100	100
119.00	96.20	99.25
121.00	31.20	39.33
82.00	20.80	41.95

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\082624\
 Data File : Z76576.D
 Acq On : 26 Aug 2024 8:32 am
 Operator : claudias
 Sample : ic3083-1
 Misc : MS57344,VZ3083,,,,,
 ALS Vial : 3 Sample Multiplier: 1

Inst : MSVOA15-Z

Quant Time: Aug 26 08:52:01 2024
 Quant Method : C:\msdchem\1\methods\SIMCL-08-21-2024.M
 Quant Title : Standard Methods 6200B
 QLast Update : Wed Aug 21 14:42:17 2024
 Response via : Initial Calibration



(23) 1,2-Dibromo-3-Chloropropane

14.520min (-0.001) 0.22ug/L m

response 113

Ion	Exp%	Act%
75.00	100	100
155.00	116.30	93.97
157.00	149.10	108.62#
39.00	55.20	95.69#

7.6.13.6
7

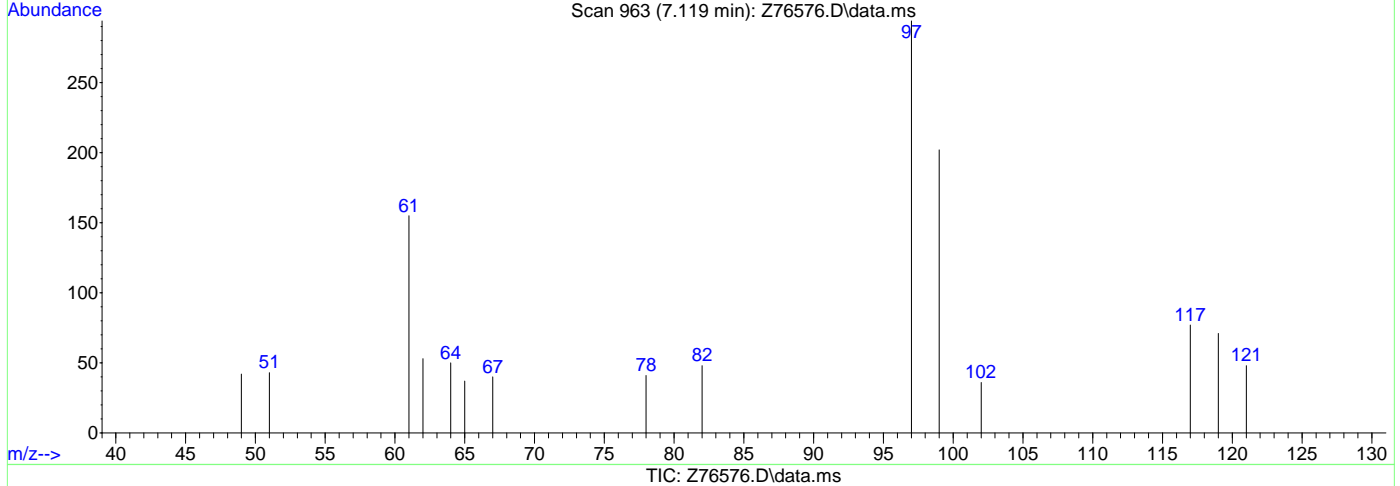
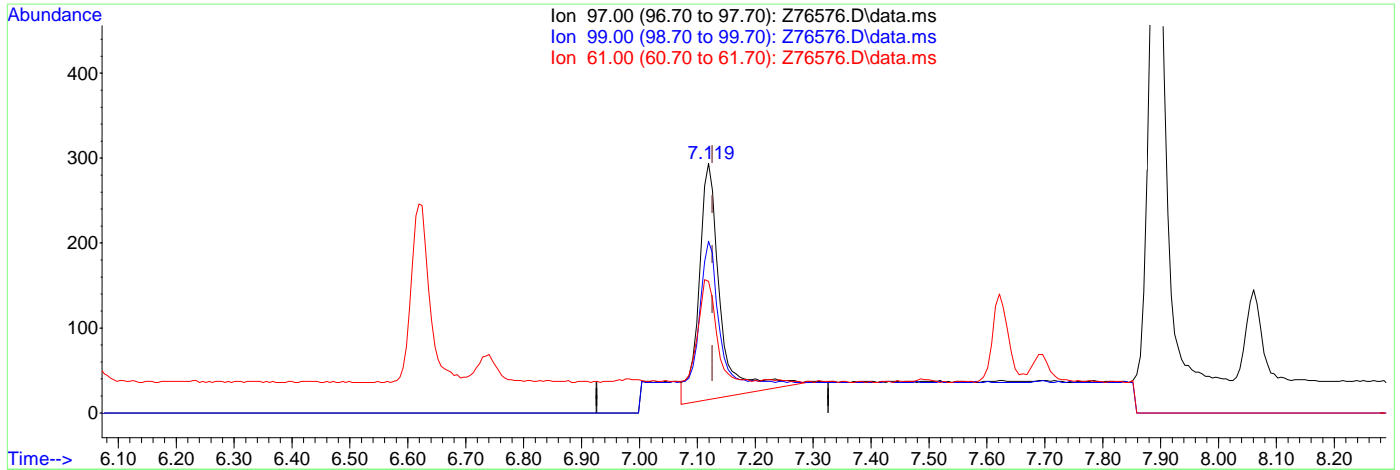


Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\082624\
 Data File : Z76576.D
 Acq On : 26 Aug 2024 8:32 am
 Operator : claudias
 Sample : ic3083-1
 Misc : MS57344,VZ3083,,,,,
 ALS Vial : 3 Sample Multiplier: 1

Inst : MSVOA15-Z

Quant Time: Aug 26 08:52:01 2024
 Quant Method : C:\msdchem\1\methods\SIMCL-08-21-2024.M
 Quant Title : Standard Methods 6200B
 QLast Update : Wed Aug 21 14:42:17 2024
 Response via : Initial Calibration



(11) 1,1,1-Trichloroethane ()

7.119min (-0.007) 0.15ug/L

response 716

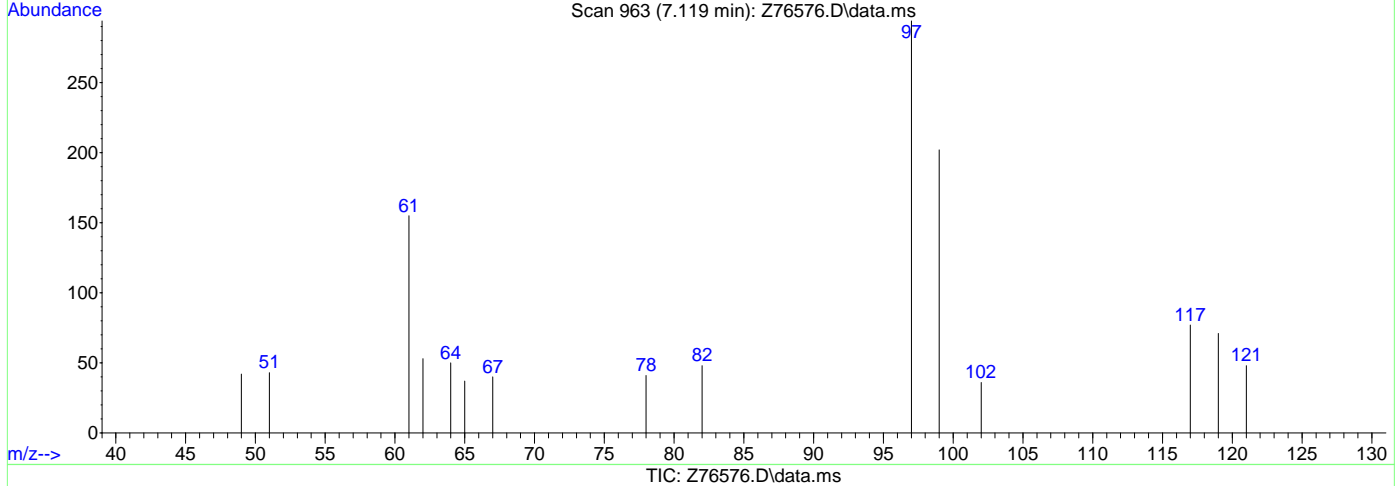
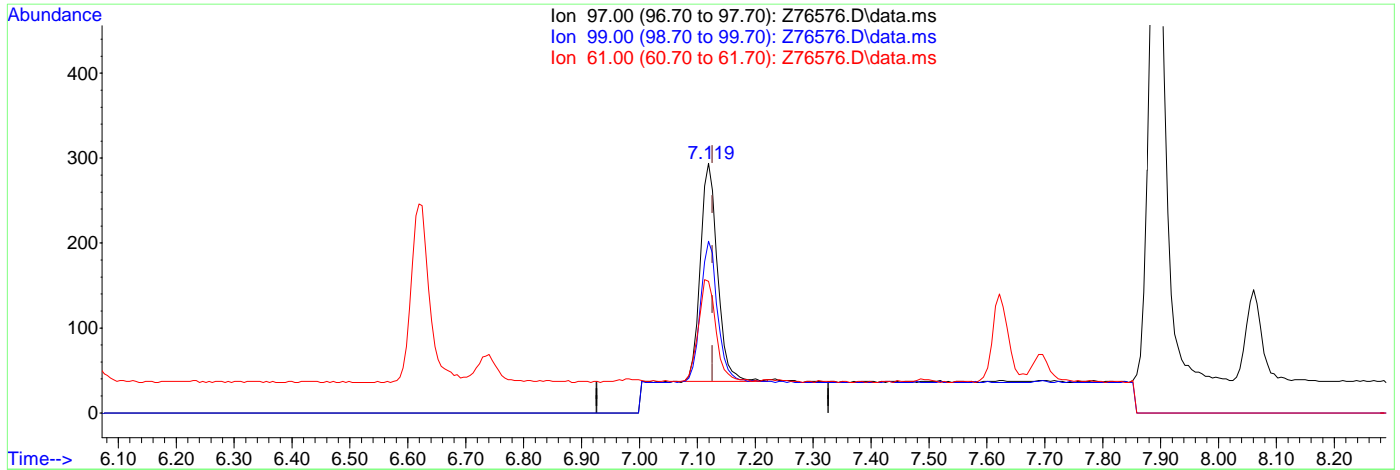
Ion	Exp%	Act%
97.00	100	100
99.00	64.80	64.34
61.00	33.90	45.74
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\082624\
 Data File : Z76576.D
 Acq On : 26 Aug 2024 8:32 am
 Operator : claudias
 Sample : ic3083-1
 Misc : MS57344,VZ3083,,,,,
 ALS Vial : 3 Sample Multiplier: 1

Inst : MSVOA15-Z

Quant Time: Aug 26 08:52:01 2024
 Quant Method : C:\msdchem\1\methods\SIMCL-08-21-2024.M
 Quant Title : Standard Methods 6200B
 QLast Update : Wed Aug 21 14:42:17 2024
 Response via : Initial Calibration



(11) 1,1,1-Trichloroethane ()

7.119min (-0.007) 0.11ug/L m

response 530

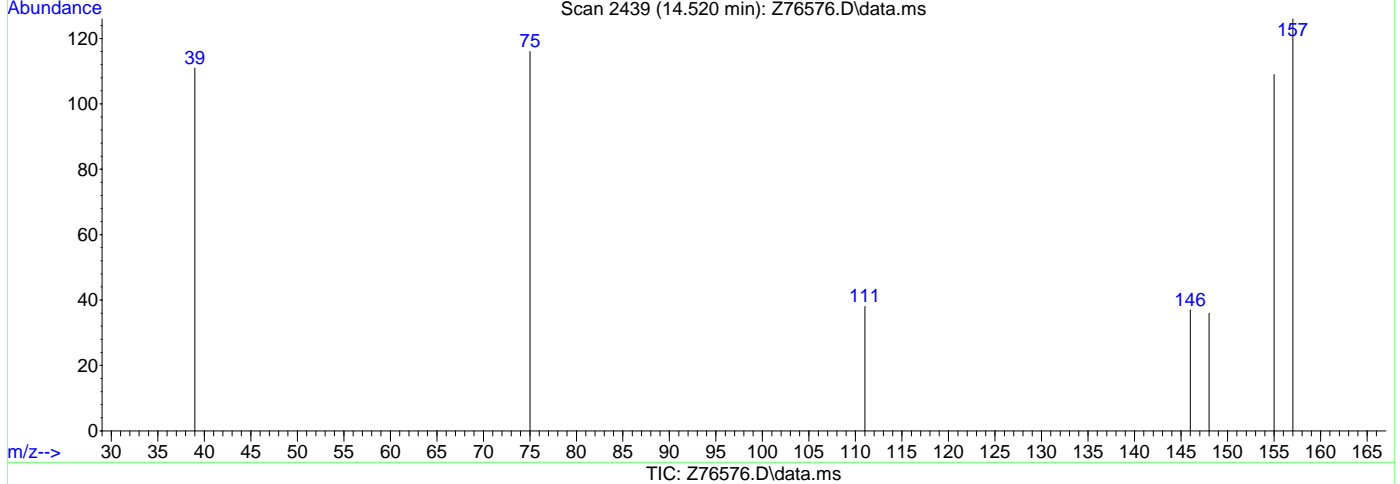
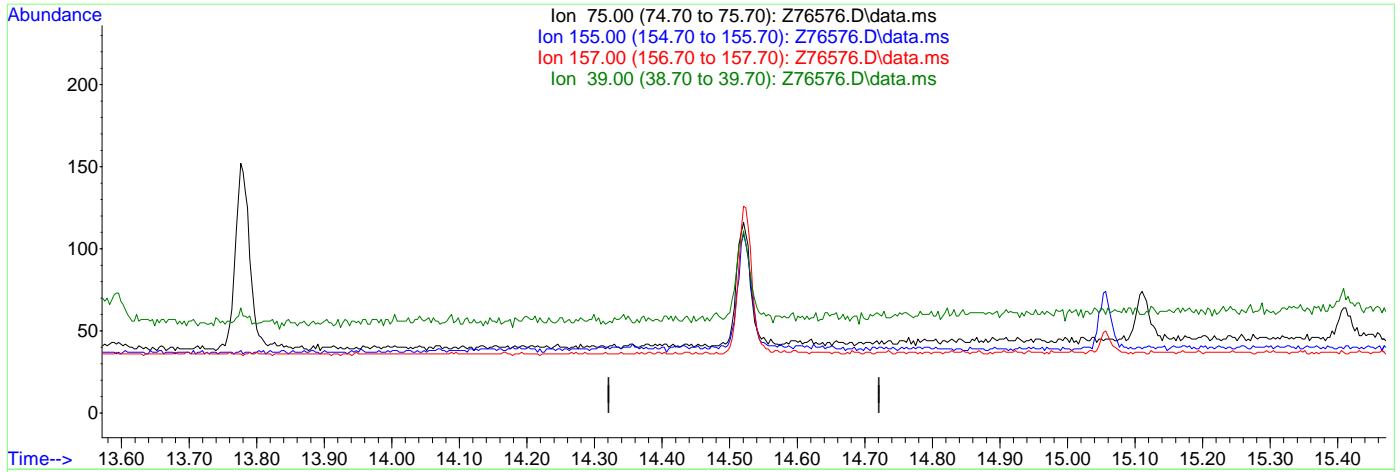
Ion	Exp%	Act%
97.00	100	100
99.00	64.80	68.71
61.00	33.90	52.72
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\082624\
 Data File : Z76576.D
 Acq On : 26 Aug 2024 8:32 am
 Operator : claudias
 Sample : ic3083-1
 Misc : MS57344,VZ3083,,,,,
 ALS Vial : 3 Sample Multiplier: 1

Inst : MSVOA15-Z

Quant Time: Aug 26 08:52:01 2024
 Quant Method : C:\msdchem\1\methods\SIMCL-08-21-2024.M
 Quant Title : Standard Methods 6200B
 QLast Update : Wed Aug 21 14:42:17 2024
 Response via : Initial Calibration



(23) 1,2-Dibromo-3-Chloropropane

14.521min (-14.521) 0.00ug/L

response 0

Ion	Exp%	Act%
75.00	100	0.00
155.00	116.30	0.00#
157.00	149.10	0.00#
39.00	55.20	0.00#

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\082624\
 Data File : Z76577.D
 Acq On : 26 Aug 2024 8:55 am
 Operator : claudias
 Sample : ic3083-2 Inst : MSVOA15-Z
 Misc : MS57344,VZ3083,,,,,
 ALS Vial : 4 Sample Multiplier: 1

Quant Time: Aug 26 09:18:27 2024
 Quant Method : C:\msdchem\1\methods\SIMCL-08-21-2024.M
 Quant Title : Standard Methods 6200B
 QLast Update : Wed Aug 21 14:42:17 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	Qvalue

Internal Standards							
1) Fluorobenzene	7.895	96	19993	5.00	ug/L	0.00	
18) Chlorobenzene-d5	10.980	117	23258	5.00	ug/L	0.00	
System Monitoring Compounds							
13) 1,2-Dichloroethane-d4	7.628	65	9900	5.33	ug/L	0.00	
Spiked Amount	5.000	Range 74 - 125	Recovery	=	106.60%		
19) Toluene-d8	9.428	98	19615	4.98	ug/L	0.00	
Spiked Amount	5.000	Range 88 - 111	Recovery	=	99.60%		
Target Compounds							
2) Vinyl Chloride	3.188	62	1968	1.44	ug/L	100	
3) Chloromethane	3.120	50	2712	1.58	ug/L	99	
4) 1,1-Dichloroethene	4.561	61	1870	0.59	ug/L	93	
5) Methylene Chloride	5.213	49	6448	2.24	ug/L	91	
6) trans-1,2-Dichloroethene	5.389	61	1730	0.60	ug/L	94	
7) 1,1-Dichloroethane	6.059	63	2438	0.66	ug/L	98	
8) cis-1,2-Dichloroethene	6.625	96	1156	0.55	ug/L	95	
9) Chloroform	6.883	83	3040	0.62	ug/L	97	
10) Carbon Tetrachloride	7.051	117	1884	0.42	ug/L	96	
11) 1,1,1-Trichloroethane	7.119	97	2093	0.45	ug/L	91	
12) Benzene	7.492	78	3181	0.57	ug/L	99	
14) 1,2-Dichloroethane	7.696	62	1703	0.49	ug/L	94	
15) Trichloroethene	8.061	95	981	0.48	ug/L	93	
16) 1,2-Dichloropropane	8.588	63	948	0.62	ug/L	92	
17) cis-1,3-Dichloropropene	9.246	75	863	0.41	ug/L	97	
20) trans-1,3-Dichloropropene	9.874	75	824	0.44	ug/L	91	
21) Tetrachloroethene	9.874	166	1234	0.48	ug/L #	97	
22) 1,4-Dichlorobenzene	13.354	146	1883	0.33	ug/L	89	
23) 1,2-Dibromo-3-Chloropr...	14.520	75	252m	0.49	ug/L		

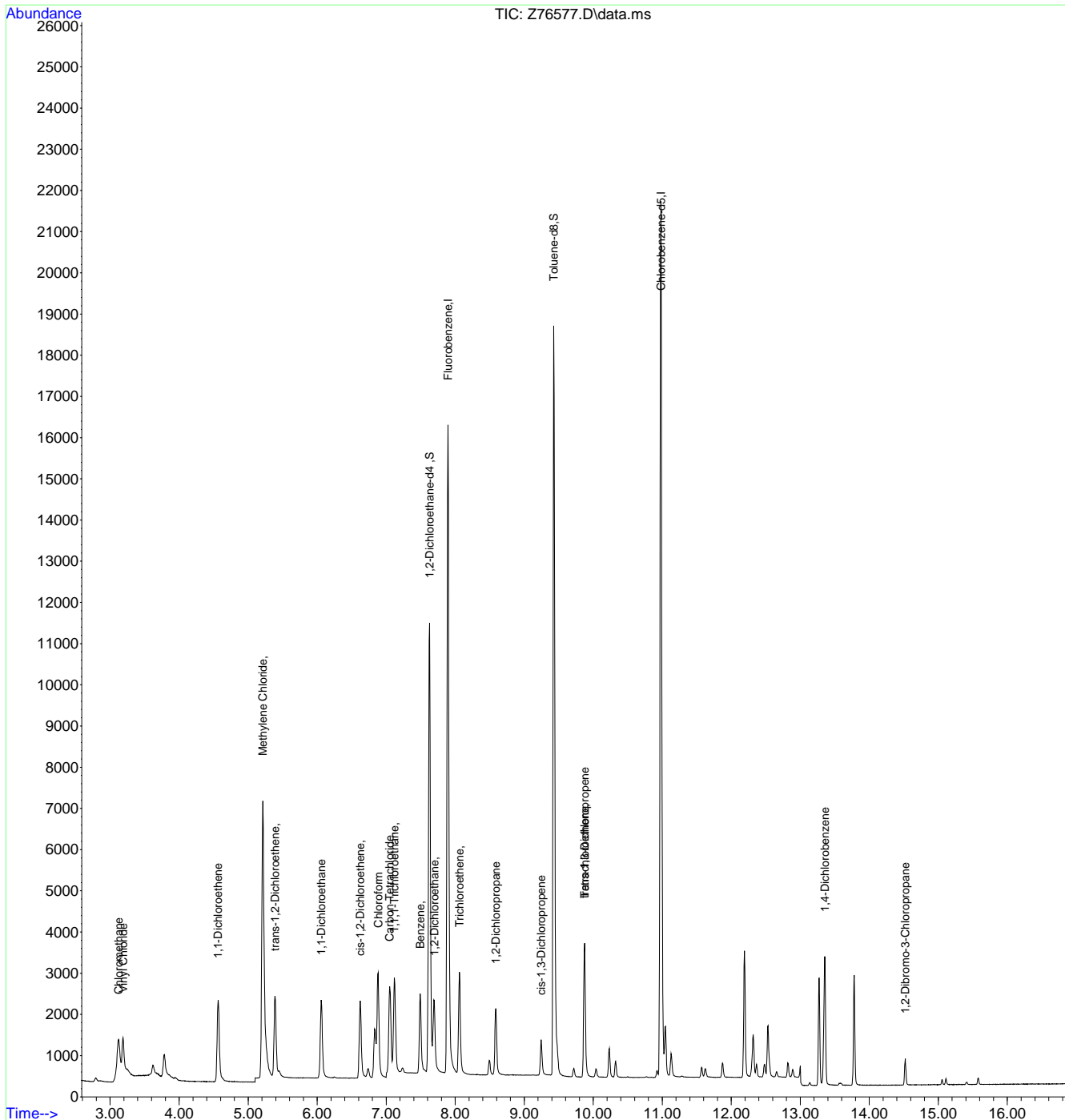
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\082624\
 Data File : Z76577.D
 Acq On : 26 Aug 2024 8:55 am
 Operator : claudias
 Sample : ic3083-2
 Misc : MS57344,VZ3083,,,,,
 ALS Vial : 4 Sample Multiplier: 1

Inst : MSVOA15-Z

Quant Time: Aug 26 09:18:27 2024
 Quant Method : C:\msdchem\1\methods\SIMCL-08-21-2024.M
 Quant Title : Standard Methods 6200B
 QLast Update : Wed Aug 21 14:42:17 2024
 Response via : Initial Calibration



7.6.14
7



Manual Integration Approval Summary

Sample Number: VZ3083-IC3083 **Method:** SW846 8260D BY SIM
Lab FileID: Z76577.D **Analyst approved:** 08/27/24 07:27 Claudia Sosa
Injection Time: 08/26/24 08:55 **Supervisor approved:** 08/27/24 10:54 Karen Watson

Parameter	CAS	Sig#	R.T. (min.)	Reason
1,2-Dibromo-3-chloropropane	96-12-8		14.52	Missed peak

7.6.14.1

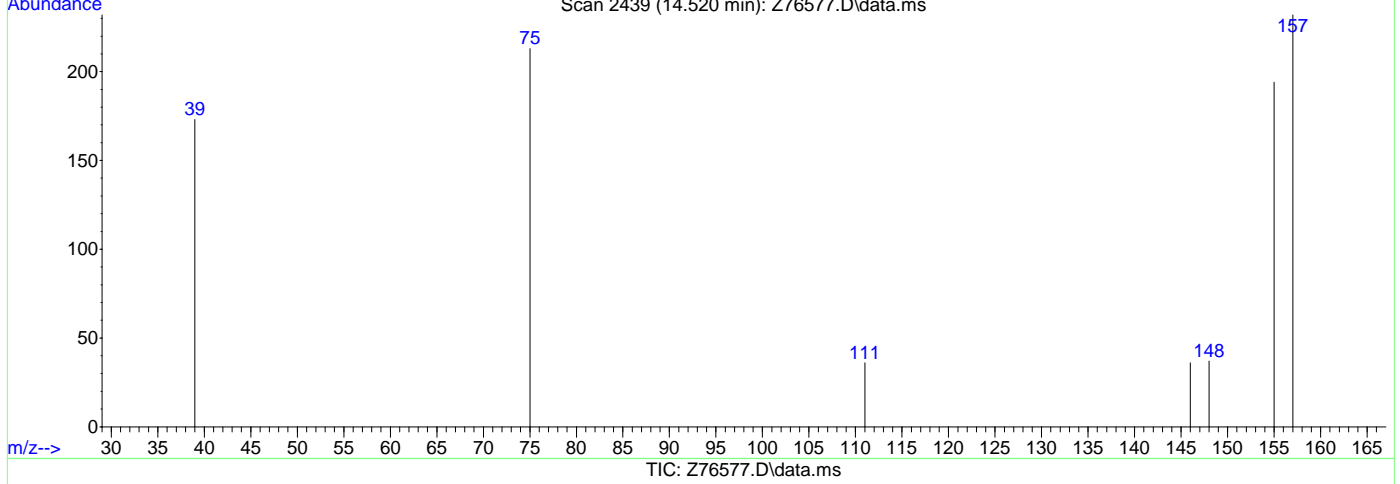
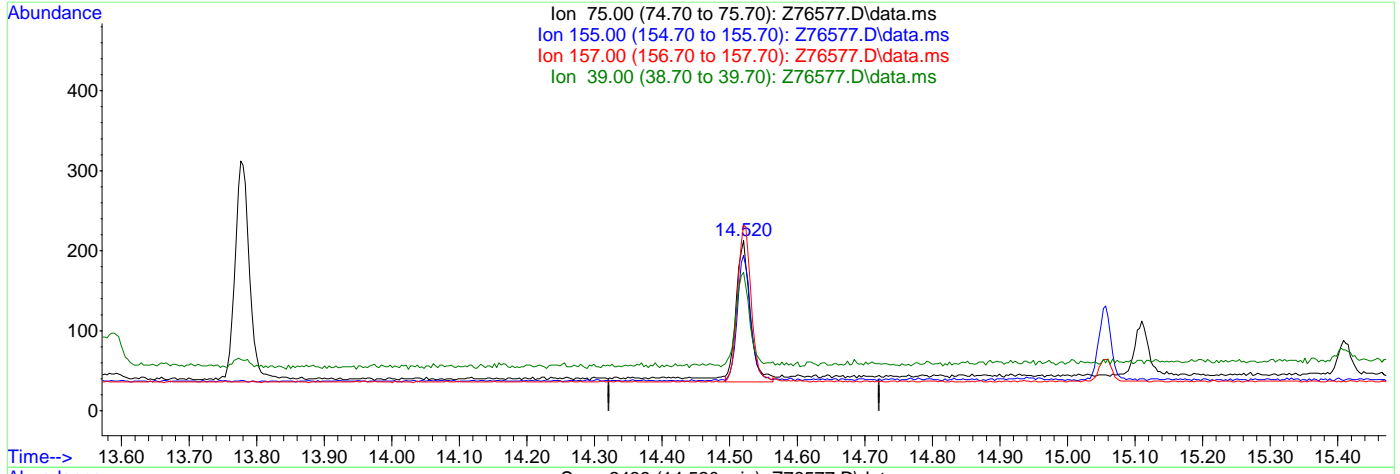
7

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\082624\
 Data File : Z76577.D
 Acq On : 26 Aug 2024 8:55 am
 Operator : claudias
 Sample : ic3083-2
 Misc : MS57344,VZ3083,,,,,
 ALS Vial : 4 Sample Multiplier: 1

Inst : MSVOA15-Z

Quant Time: Aug 26 09:17:44 2024
 Quant Method : C:\msdchem\1\methods\SIMCL-08-21-2024.M
 Quant Title : Standard Methods 6200B
 QLast Update : Wed Aug 21 14:42:17 2024
 Response via : Initial Calibration



(23) 1,2-Dibromo-3-Chloropropane

14.520min (-0.001) 0.49ug/L m

response 252

Ion	Exp%	Act%
75.00	100	100
155.00	116.30	91.08
157.00	149.10	108.92#
39.00	55.20	81.22

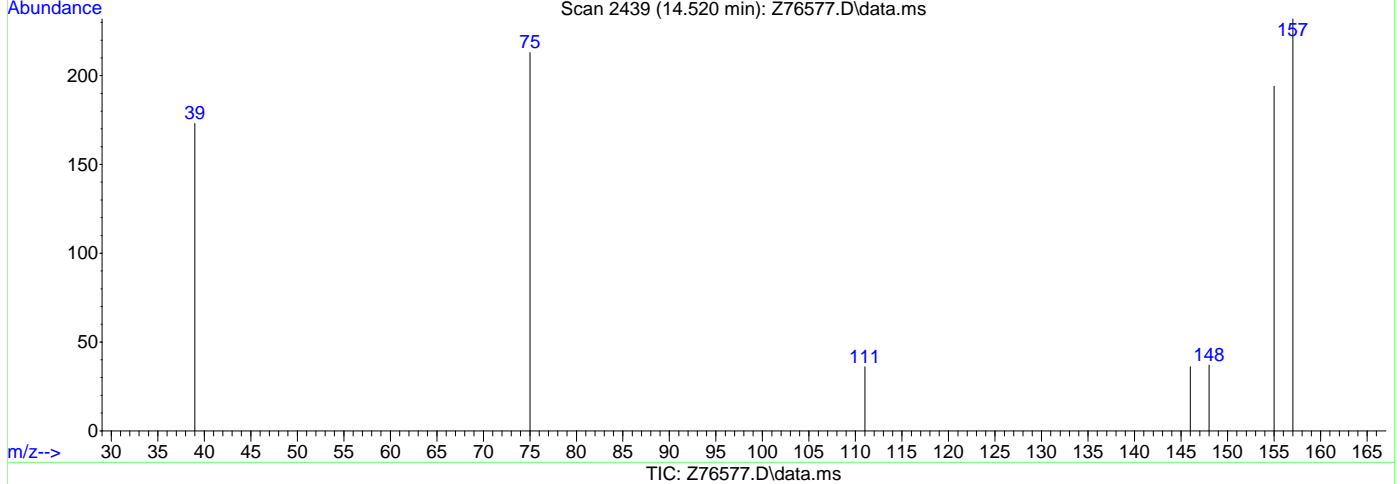
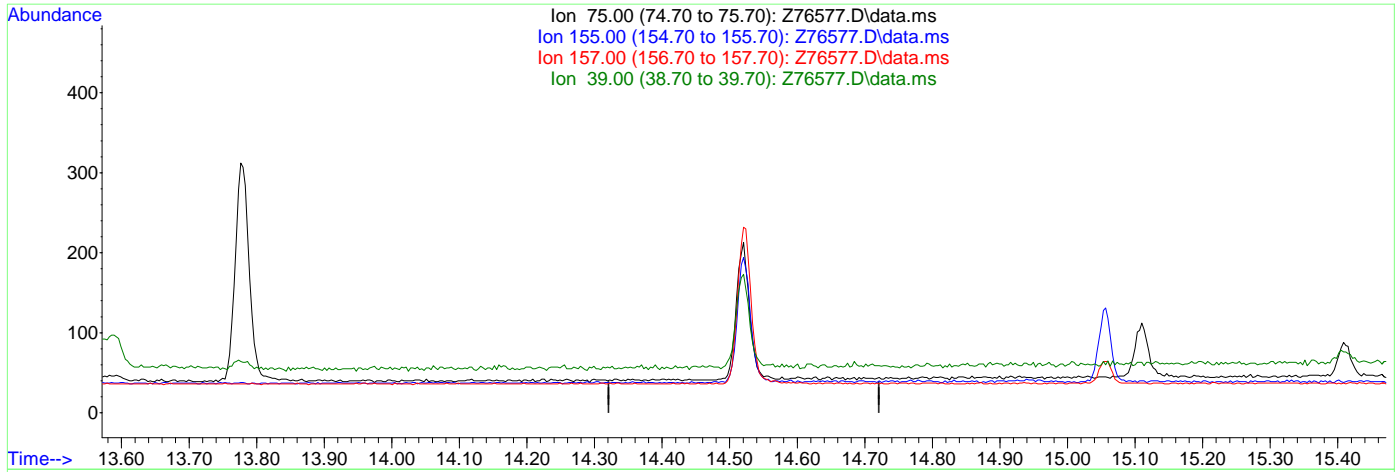
7.6.14.2
7

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\082624\
 Data File : Z76577.D
 Acq On : 26 Aug 2024 8:55 am
 Operator : claudias
 Sample : ic3083-2
 Misc : MS57344,VZ3083,,,,,
 ALS Vial : 4 Sample Multiplier: 1

Inst : MSVOA15-Z

Quant Time: Aug 26 09:17:44 2024
 Quant Method : C:\msdchem\1\methods\SIMCL-08-21-2024.M
 Quant Title : Standard Methods 6200B
 QLast Update : Wed Aug 21 14:42:17 2024
 Response via : Initial Calibration



(23) 1,2-Dibromo-3-Chloropropane

14.521min (-14.521) 0.00ug/L

response 0

Ion	Exp%	Act%
75.00	100	0.00
155.00	116.30	0.00#
157.00	149.10	0.00#
39.00	55.20	0.00#

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\082624\
 Data File : Z76578.D
 Acq On : 26 Aug 2024 9:18 am
 Operator : claudias
 Sample : ic3083-3 Inst : MSVOA15-Z
 Misc : MS57344,VZ3083,,,,,
 ALS Vial : 5 Sample Multiplier: 1

Quant Time: Aug 26 09:57:33 2024
 Quant Method : C:\msdchem\1\methods\SIMCL-08-21-2024.M
 Quant Title : Standard Methods 6200B
 QLast Update : Wed Aug 21 14:42:17 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	

Internal Standards							
1) Fluorobenzene	7.894	96	20797	5.00	ug/L	0.00	
18) Chlorobenzene-d5	10.980	117	24847	5.00	ug/L	0.00	
System Monitoring Compounds							
13) 1,2-Dichloroethane-d4	7.621	65	10281	5.33	ug/L	0.00	
Spiked Amount	5.000	Range 74 - 125	Recovery	=	106.60%		
19) Toluene-d8	9.428	98	19865	4.72	ug/L	0.00	
Spiked Amount	5.000	Range 88 - 111	Recovery	=	94.40%		
Target Compounds							
							Qvalue
2) Vinyl Chloride	3.183	62	6674	4.84	ug/L		98
3) Chloromethane	3.125	50	9536	5.35	ug/L		98
4) 1,1-Dichloroethene	4.561	61	6680	2.05	ug/L		95
5) Methylene Chloride	5.208	49	13581	4.70	ug/L		88
6) trans-1,2-Dichloroethene	5.389	61	6549	2.20	ug/L		98
7) 1,1-Dichloroethane	6.059	63	9343	2.47	ug/L		100
8) cis-1,2-Dichloroethene	6.625	96	4510	2.08	ug/L		96
9) Chloroform	6.883	83	10401	2.09	ug/L		98
10) Carbon Tetrachloride	7.051	117	6437	1.40	ug/L		98
11) 1,1,1-Trichloroethane	7.119	97	7340	1.55	ug/L		92
12) Benzene	7.492	78	12628	2.18	ug/L		98
14) 1,2-Dichloroethane	7.689	62	6782	1.91	ug/L		91
15) Trichloroethene	8.060	95	3751	1.77	ug/L		92
16) 1,2-Dichloropropane	8.588	63	3790	2.40	ug/L		93
17) cis-1,3-Dichloropropene	9.246	75	3558	1.63	ug/L		99
20) trans-1,3-Dichloropropene	9.874	75	3470	1.70	ug/L		93
21) Tetrachloroethene	9.874	166	4531	1.64	ug/L #		97
22) 1,4-Dichlorobenzene	13.354	146	9021	1.51	ug/L		96
23) 1,2-Dibromo-3-Chloropr...	14.517	75	947	1.74	ug/L #		72

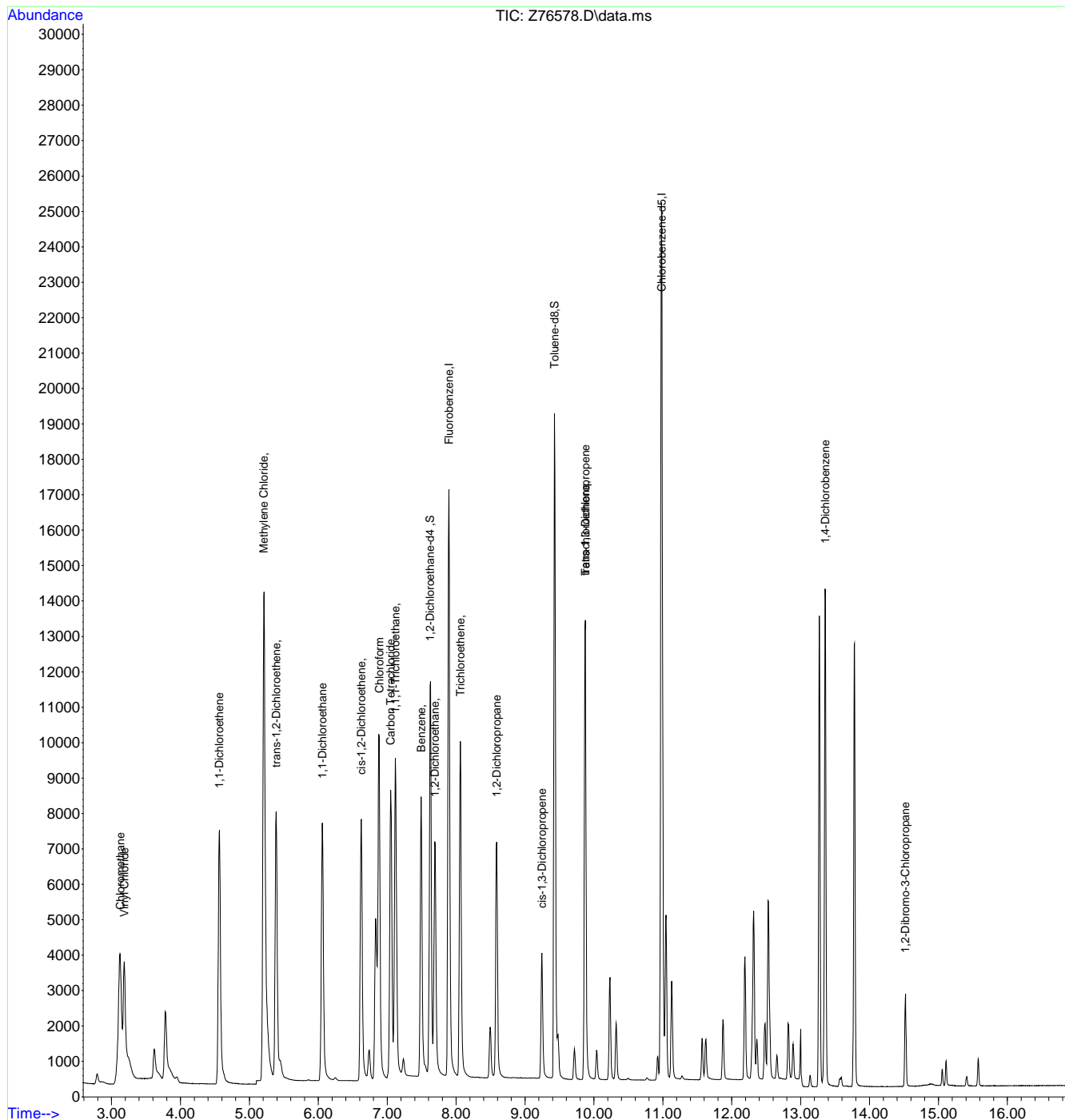
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\082624\
 Data File : Z76578.D
 Acq On : 26 Aug 2024 9:18 am
 Operator : claudias
 Sample : ic3083-3
 Misc : MS57344,VZ3083,,,,,
 ALS Vial : 5 Sample Multiplier: 1

Inst : MSVOA15-Z

Quant Time: Aug 26 09:57:33 2024
 Quant Method : C:\msdchem\1\methods\SIMCL-08-21-2024.M
 Quant Title : Standard Methods 6200B
 QLast Update : Wed Aug 21 14:42:17 2024
 Response via : Initial Calibration



7.6.15
7



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\082624\
 Data File : Z76579.D
 Acq On : 26 Aug 2024 9:41 am
 Operator : claudias
 Sample : ic3083-4 Inst : MSVOA15-Z
 Misc : MS57344,VZ3083,,,,,
 ALS Vial : 6 Sample Multiplier: 1

Quant Time: Aug 26 11:15:03 2024
 Quant Method : C:\msdchem\1\methods\SIMCL-08-21-2024.M
 Quant Title : Standard Methods 6200B
 QLast Update : Wed Aug 21 14:42:17 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	

Internal Standards							
1) Fluorobenzene	7.895	96	23704	5.00	ug/L	0.00	
18) Chlorobenzene-d5	10.980	117	29100	5.00	ug/L	0.00	
System Monitoring Compounds							
13) 1,2-Dichloroethane-d4	7.621	65	10295	4.68	ug/L	0.00	
Spiked Amount	5.000	Range	74 - 125	Recovery	=	93.60%	
19) Toluene-d8	9.428	98	22078	4.48	ug/L	0.00	
Spiked Amount	5.000	Range	88 - 111	Recovery	=	89.60%	
Target Compounds							
							Qvalue
2) Vinyl Chloride	3.183	62	17185	11.66	ug/L		99
3) Chloromethane	3.120	50	23572	11.59	ug/L		99
4) 1,1-Dichloroethene	4.561	61	18916	5.27	ug/L		95
5) Methylene Chloride	5.208	49	24354	7.74	ug/L		88
6) trans-1,2-Dichloroethene	5.384	61	18222	5.55	ug/L		92
7) 1,1-Dichloroethane	6.059	63	24753	5.97	ug/L		100
8) cis-1,2-Dichloroethene	6.625	96	12555	5.18	ug/L		97
9) Chloroform	6.878	83	26859	4.91	ug/L		95
10) Carbon Tetrachloride	7.051	117	18062	3.55	ug/L		99
11) 1,1,1-Trichloroethane	7.119	97	20912	3.98	ug/L		93
12) Benzene	7.492	78	36912	5.69	ug/L		98
14) 1,2-Dichloroethane	7.689	62	18117	4.63	ug/L		91
15) Trichloroethene	8.061	95	11056	4.64	ug/L		93
16) 1,2-Dichloropropane	8.588	63	10945	6.17	ug/L		91
17) cis-1,3-Dichloropropene	9.240	75	10634	4.28	ug/L		95
20) trans-1,3-Dichloropropene	9.874	75	10575	4.28	ug/L		95
21) Tetrachloroethene	9.874	166	12605	3.91	ug/L #		97
22) 1,4-Dichlorobenzene	13.354	146	27930	4.01	ug/L		97
23) 1,2-Dibromo-3-Chloropr...	14.517	75	2558	4.03	ug/L #		74

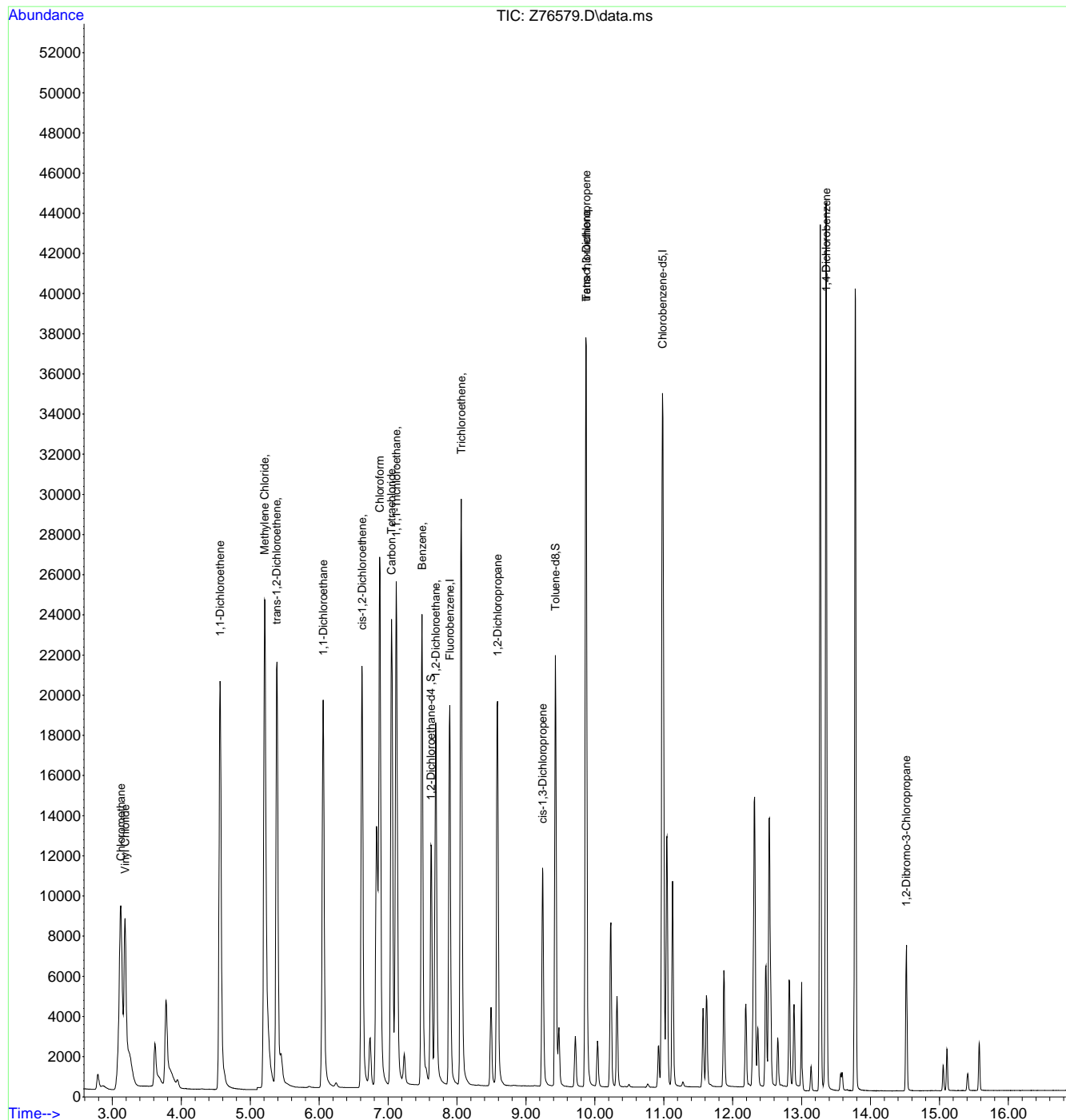
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\082624\
 Data File : Z76579.D
 Acq On : 26 Aug 2024 9:41 am
 Operator : claudias
 Sample : ic3083-4
 Misc : MS57344,VZ3083,,,,,
 ALS Vial : 6 Sample Multiplier: 1

Inst : MSVOA15-Z

Quant Time: Aug 26 11:15:03 2024
 Quant Method : C:\msdchem\1\methods\SIMCL-08-21-2024.M
 Quant Title : Standard Methods 6200B
 QLast Update : Wed Aug 21 14:42:17 2024
 Response via : Initial Calibration



7.6.16
7



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\082624\
 Data File : Z76580.D
 Acq On : 26 Aug 2024 10:04 am
 Operator : claudias
 Sample : icc3083-5 Inst : MSVOA15-Z
 Misc : MS57344,VZ3083,,,,,
 ALS Vial : 7 Sample Multiplier: 1

Quant Time: Aug 26 11:10:56 2024
 Quant Method : C:\msdchem\1\methods\SIMCL-08-21-2024.M
 Quant Title : Standard Methods 6200B
 QLast Update : Wed Aug 21 14:42:17 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	

Internal Standards							
1) Fluorobenzene	7.894	96	27111	5.00	ug/L	0.00	
18) Chlorobenzene-d5	10.980	117	32127	5.00	ug/L	0.00	
System Monitoring Compounds							
13) 1,2-Dichloroethane-d4	7.628	65	10748	4.27	ug/L	0.00	
Spiked Amount	5.000	Range 74 - 125	Recovery	=	85.40%		
19) Toluene-d8	9.428	98	24872	4.57	ug/L	0.00	
Spiked Amount	5.000	Range 88 - 111	Recovery	=	91.40%		
Target Compounds							
							Qvalue
2) Vinyl Chloride	3.188	62	35526	23.98	ug/L		98
3) Chloromethane	3.125	50	48395	20.81	ug/L		99
4) 1,1-Dichloroethene	4.566	61	39541	10.14	ug/L		95
5) Methylene Chloride	5.213	49	46587	14.45	ug/L		89
6) trans-1,2-Dichloroethene	5.389	61	38727	10.87	ug/L		94
7) 1,1-Dichloroethane	6.059	63	50922	11.44	ug/L		99
8) cis-1,2-Dichloroethene	6.625	96	27241	10.15	ug/L		94
9) Chloroform	6.883	83	54450	9.24	ug/L		97
10) Carbon Tetrachloride	7.051	117	37505	6.76	ug/L		98
11) 1,1,1-Trichloroethane	7.126	97	43437	7.56	ug/L		95
12) Benzene	7.492	78	83397	11.53	ug/L		99
14) 1,2-Dichloroethane	7.696	62	37245	8.79	ug/L		92
15) Trichloroethene	8.060	95	25086	9.39	ug/L		92
16) 1,2-Dichloropropane	8.588	63	24676	12.48	ug/L		90
17) cis-1,3-Dichloropropene	9.246	75	26066	9.18	ug/L		99
20) trans-1,3-Dichloropropene	9.874	75	25747	8.94	ug/L		96
21) Tetrachloroethene	9.874	166	26678	7.56	ug/L #		97
22) 1,4-Dichlorobenzene	13.354	146	61893	8.13	ug/L		97
23) 1,2-Dibromo-3-Chloropr...	14.520	75	5446	7.87	ug/L		82

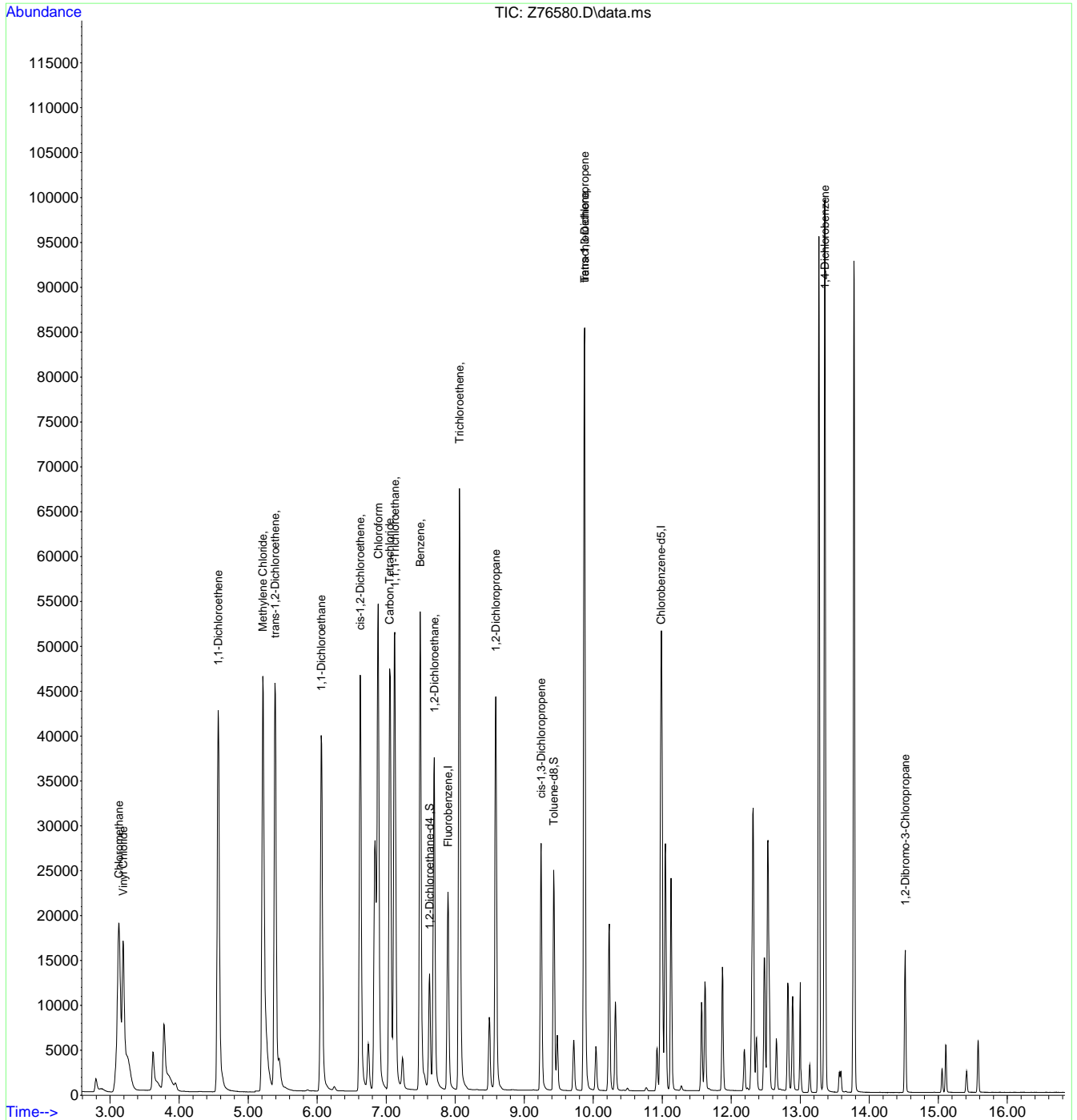
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\082624\
 Data File : Z76580.D
 Acq On : 26 Aug 2024 10:04 am
 Operator : claudias
 Sample : icc3083-5
 Misc : MS57344,VZ3083,,,,,
 ALS Vial : 7 Sample Multiplier: 1

Inst : MSVOA15-Z

Quant Time: Aug 26 11:10:56 2024
 Quant Method : C:\msdchem\1\methods\SIMCL-08-21-2024.M
 Quant Title : Standard Methods 6200B
 QLast Update : Wed Aug 21 14:42:17 2024
 Response via : Initial Calibration



7.6.17
7



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\082624\
 Data File : Z76581.D
 Acq On : 26 Aug 2024 10:27 am
 Operator : claudias
 Sample : ic3083-6 Inst : MSVOA15-Z
 Misc : MS57344,VZ3083,,,,,
 ALS Vial : 8 Sample Multiplier: 1

Quant Time: Aug 26 11:11:20 2024
 Quant Method : C:\msdchem\1\methods\SIMCL-08-21-2024.M
 Quant Title : Standard Methods 6200B
 QLast Update : Wed Aug 21 14:42:17 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Fluorobenzene	7.894	96	30346	5.00	ug/L	0.00
18) Chlorobenzene-d5	10.980	117	34142	5.00	ug/L	0.00
System Monitoring Compounds						
13) 1,2-Dichloroethane-d4	7.628	65	11225	3.98	ug/L	0.00
Spiked Amount	5.000	Range 74 - 125	Recovery	=	79.60%	
19) Toluene-d8	9.428	98	27539	4.76	ug/L	0.00
Spiked Amount	5.000	Range 88 - 111	Recovery	=	95.20%	
Target Compounds						
						Qvalue
2) Vinyl Chloride	3.188	62	55042	40.97	ug/L	98
3) Chloromethane	3.120	50	73837	28.36	ug/L	99
4) 1,1-Dichloroethene	4.561	61	60922	14.67	ug/L	95
5) Methylene Chloride	5.213	49	68139	21.52	ug/L	91
6) trans-1,2-Dichloroethene	5.389	61	59842	15.81	ug/L	96
7) 1,1-Dichloroethane	6.059	63	77300	16.53	ug/L	99
8) cis-1,2-Dichloroethene	6.625	96	42840	14.70	ug/L	94
9) Chloroform	6.883	83	81432	13.05	ug/L	98
10) Carbon Tetrachloride	7.051	117	56941	9.58	ug/L	98
11) 1,1,1-Trichloroethane	7.119	97	66209	10.73	ug/L	92
12) Benzene	7.492	78	133407	16.89	ug/L	98
14) 1,2-Dichloroethane	7.696	62	56273	12.50	ug/L	93
15) Trichloroethene	8.060	95	40408	13.77	ug/L	93
16) 1,2-Dichloropropane	8.588	63	39451	18.27	ug/L	89
17) cis-1,3-Dichloropropene	9.246	75	45109	14.19	ug/L	99
20) trans-1,3-Dichloropropene	9.874	75	43858	13.60	ug/L	97
21) Tetrachloroethene	9.874	166	41498	11.15	ug/L #	97
22) 1,4-Dichlorobenzene	13.354	146	95547	11.94	ug/L	98
23) 1,2-Dibromo-3-Chloropr...	14.517	75	8597	11.84	ug/L #	77

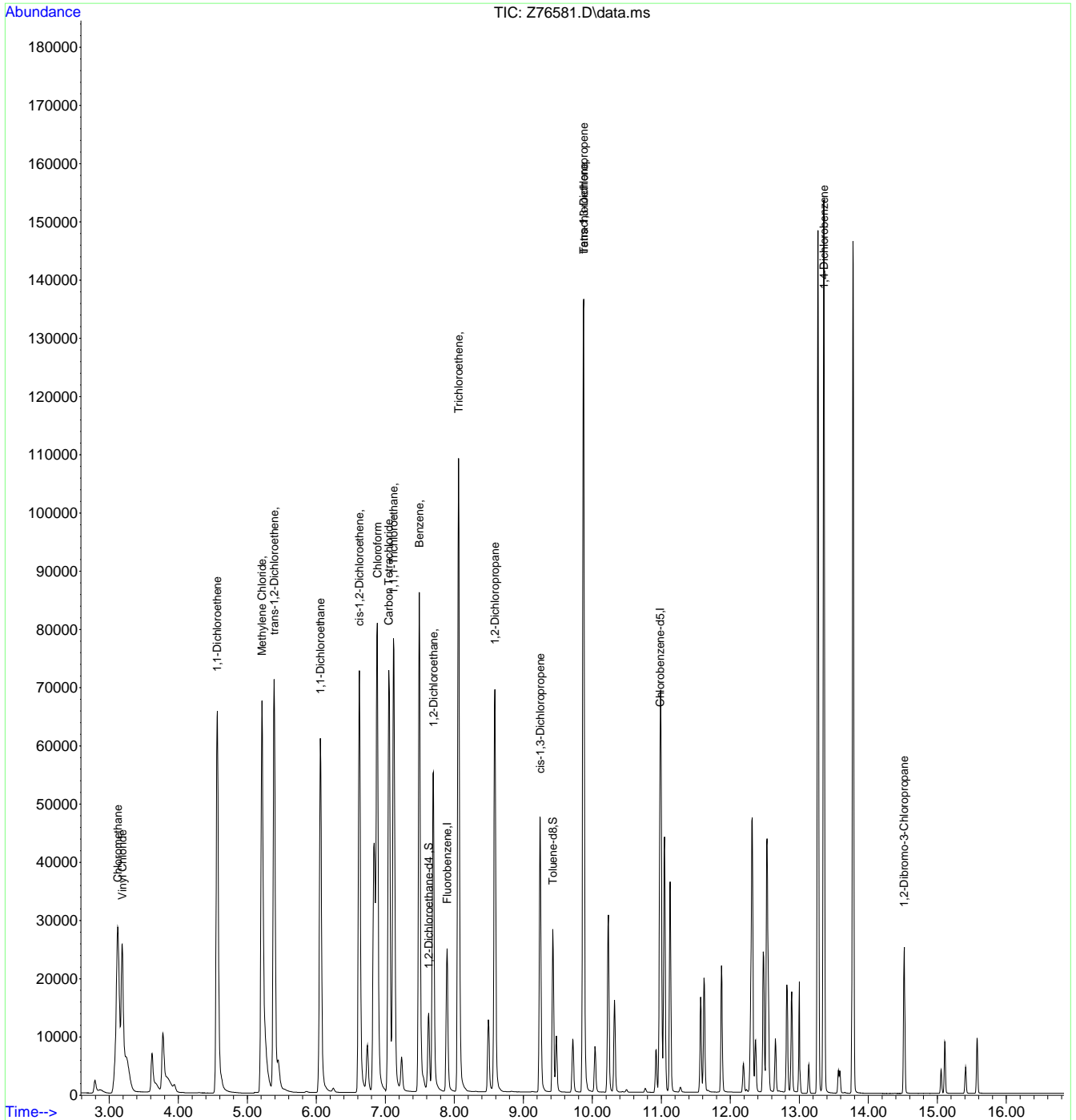
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\082624\
 Data File : Z76581.D
 Acq On : 26 Aug 2024 10:27 am
 Operator : claudias
 Sample : ic3083-6
 Misc : MS57344,VZ3083,,,,,
 ALS Vial : 8 Sample Multiplier: 1

Inst : MSVOA15-Z

Quant Time: Aug 26 11:11:20 2024
 Quant Method : C:\msdchem\1\methods\SIMCL-08-21-2024.M
 Quant Title : Standard Methods 6200B
 QLast Update : Wed Aug 21 14:42:17 2024
 Response via : Initial Calibration



7.6.18
7



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\082624\
 Data File : Z76582.D
 Acq On : 26 Aug 2024 10:50 am
 Operator : claudias
 Sample : ic3083-7 Inst : MSVOA15-Z
 Misc : MS57344,VZ3083,,,,,
 ALS Vial : 9 Sample Multiplier: 1

Quant Time: Aug 26 11:13:53 2024
 Quant Method : C:\msdchem\1\methods\SIMCL-08-21-2024.M
 Quant Title : Standard Methods 6200B
 QLast Update : Wed Aug 21 14:42:17 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Fluorobenzene	7.895	96	32404	5.00	ug/L	0.00
18) Chlorobenzene-d5	10.981	117	34539	5.00	ug/L	0.00
System Monitoring Compounds						
13) 1,2-Dichloroethane-d4	7.628	65	11063	3.68	ug/L	0.00
Spiked Amount	5.000	Range 74 - 125	Recovery	=	73.60%#	
19) Toluene-d8	9.428	98	29137	4.98	ug/L	0.00
Spiked Amount	5.000	Range 88 - 111	Recovery	=	99.60%	
Target Compounds						
2) Vinyl Chloride	3.188	62	72965	Below Cal		98
3) Chloromethane	3.125	50	96593	34.75	ug/L	99
4) 1,1-Dichloroethene	4.562	61	85210	20.59	ug/L	95
5) Methylene Chloride	5.213	49	91408	Below Cal		91
6) trans-1,2-Dichloroethene	5.389	61	83201	22.09	ug/L	97
7) 1,1-Dichloroethane	6.059	63	106405	23.33	ug/L	100
8) cis-1,2-Dichloroethene	6.625	96	60598	20.24	ug/L	96
9) Chloroform	6.883	83	110691	17.92	ug/L	98
10) Carbon Tetrachloride	7.051	117	77767	12.94	ug/L	99
11) 1,1,1-Trichloroethane	7.119	97	91308	14.61	ug/L	93
12) Benzene	7.493	78	190278	23.24	ug/L	98
14) 1,2-Dichloroethane	7.689	62	77123	17.20	ug/L	90
15) Trichloroethene	8.061	95	57585	18.79	ug/L	94
16) 1,2-Dichloropropane	8.588	63	56406	25.20	ug/L	89
17) cis-1,3-Dichloropropene	9.246	75	68520	20.19	ug/L	98
20) trans-1,3-Dichloropropene	9.874	75	65730	19.01	ug/L	98
21) Tetrachloroethene	9.874	166	58536	15.69	ug/L #	98
22) 1,4-Dichlorobenzene	13.354	146	132240	16.54	ug/L	98
23) 1,2-Dibromo-3-Chloropr...	14.517	75	12122	16.76	ug/L #	79

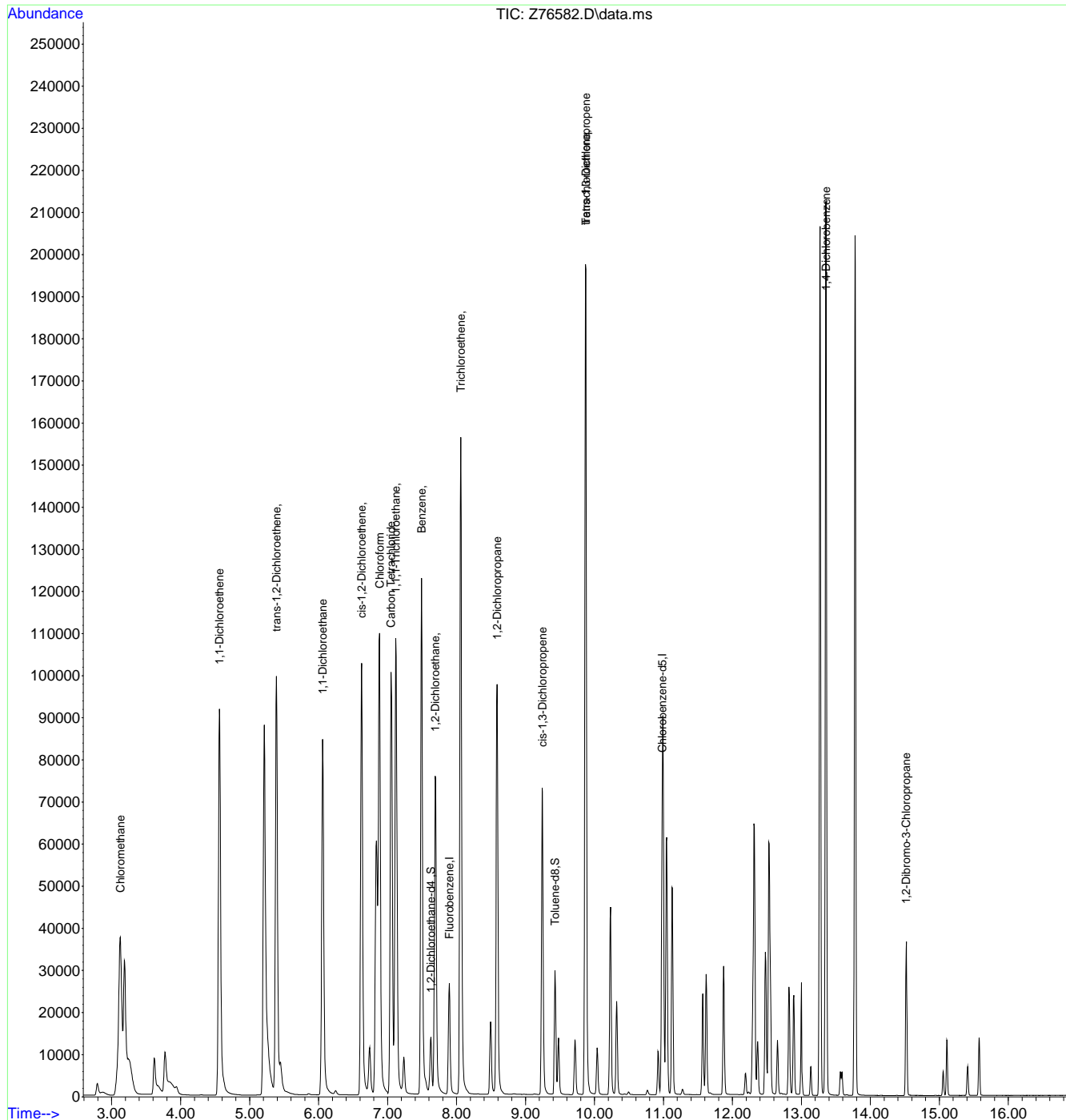
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\082624\
 Data File : Z76582.D
 Acq On : 26 Aug 2024 10:50 am
 Operator : claudias
 Sample : ic3083-7
 Misc : MS57344,VZ3083,,,,,
 ALS Vial : 9 Sample Multiplier: 1

Inst : MSVOA15-Z

Quant Time: Aug 26 11:13:53 2024
 Quant Method : C:\msdchem\1\methods\SIMCL-08-21-2024.M
 Quant Title : Standard Methods 6200B
 QLast Update : Wed Aug 21 14:42:17 2024
 Response via : Initial Calibration



7.6.19
7



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\082624\
 Data File : Z76585.D
 Acq On : 26 Aug 2024 12:48 pm
 Operator : claudias
 Sample : icv3083-5 Inst : MSVOA15-Z
 Misc : MS57344,VZ3083,,,,,
 ALS Vial : 12 Sample Multiplier: 1

Quant Time: Aug 26 13:08:09 2024
 Quant Method : C:\msdchem\1\methods\SIMCL-08-26-2024.M
 Quant Title : Standard Methods 6200B
 QLast Update : Mon Aug 26 13:08:06 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	

Internal Standards							
1) Fluorobenzene	7.894	96	29073	5.00	ug/L	0.00	
18) Chlorobenzene-d5	10.980	117	33124	5.00	ug/L	0.00	
System Monitoring Compounds							
13) 1,2-Dichloroethane-d4	7.628	65	10478	4.21	ug/L	0.00	
Spiked Amount	5.000	Range 74 - 125	Recovery	=	84.20%		
19) Toluene-d8	9.428	98	27277	5.07	ug/L	0.00	
Spiked Amount	5.000	Range 88 - 111	Recovery	=	101.40%		
Target Compounds							
							Qvalue
2) Vinyl Chloride	3.188	62	30376	8.79	ug/L		98
3) Chloromethane	3.125	50	39627	8.57	ug/L		99
4) 1,1-Dichloroethene	4.566	61	43600	10.39	ug/L		97
5) Methylene Chloride	5.213	49	50147	9.65	ug/L		92
6) trans-1,2-Dichloroethene	5.389	61	43129	10.53	ug/L		97
7) 1,1-Dichloroethane	6.059	63	54050	9.92	ug/L		99
8) cis-1,2-Dichloroethene	6.625	96	30988	10.76	ug/L		98
9) Chloroform	6.883	83	57650	9.87	ug/L		98
10) Carbon Tetrachloride	7.051	117	40383	9.92	ug/L		99
11) 1,1,1-Trichloroethane	7.119	97	47668	10.35	ug/L		93
12) Benzene	7.492	78	92681	10.49	ug/L		97
14) 1,2-Dichloroethane	7.689	62	39832	10.02	ug/L		91
15) Trichloroethene	8.060	95	28251	10.67	ug/L		95
16) 1,2-Dichloropropane	8.588	63	27531	10.58	ug/L		89
17) cis-1,3-Dichloropropene	9.240	75	29775	10.71	ug/L		96
20) trans-1,3-Dichloropropene	9.869	75	26386	10.04	ug/L		94
21) Tetrachloroethene	9.869	166	30425	11.07	ug/L #		94
22) 1,4-Dichlorobenzene	13.354	146	68540	10.92	ug/L		97
23) 1,2-Dibromo-3-Chloropr...	14.520	75	5032	8.96	ug/L		83

(#) = qualifier out of range (m) = manual integration (+) = signals summed

7.6.20
7

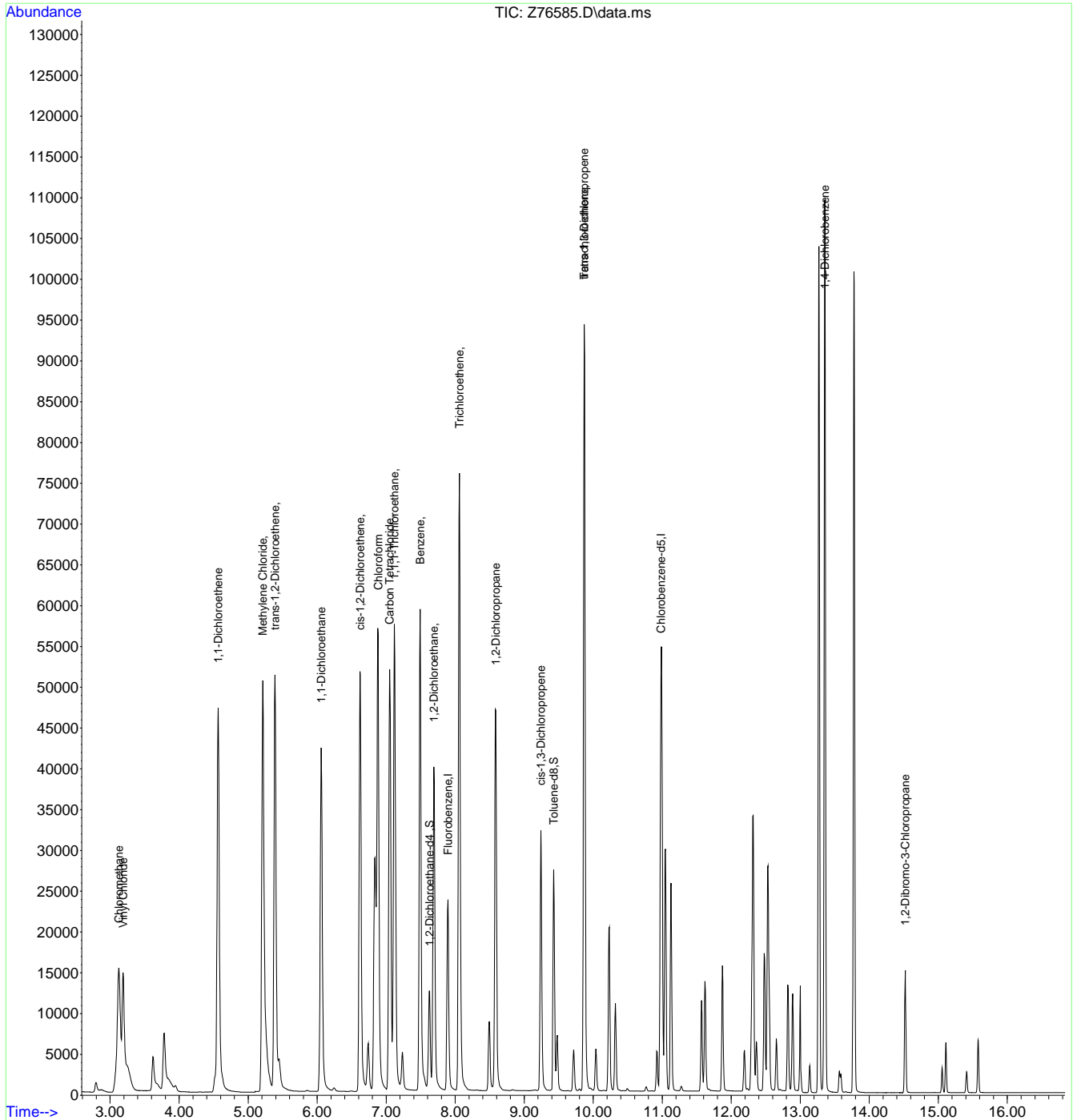


Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\082624\
 Data File : Z76585.D
 Acq On : 26 Aug 2024 12:48 pm
 Operator : claudias
 Sample : icv3083-5
 Misc : MS57344,VZ3083,,,,,
 ALS Vial : 12 Sample Multiplier: 1

Inst : MSVOA15-Z

Quant Time: Aug 26 13:08:09 2024
 Quant Method : C:\msdchem\1\methods\SIMCL-08-26-2024.M
 Quant Title : Standard Methods 6200B
 QLast Update : Mon Aug 26 13:08:06 2024
 Response via : Initial Calibration



7.6.20
7



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\082624\
 Data File : Z76600.D
 Acq On : 26 Aug 2024 7:17 pm
 Operator : claudias
 Sample : ECC3083-6 Inst : MSVOA15-Z
 Misc : MS57364,VZ3083,,,,,
 ALS Vial : 27 Sample Multiplier: 1

Quant Time: Aug 27 06:13:41 2024
 Quant Method : C:\msdchem\1\methods\SIMCL-08-26-2024.M
 Quant Title : Standard Methods 6200B
 QLast Update : Mon Aug 26 13:08:06 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	

Internal Standards							
1) Fluorobenzene	7.894	96	25719	5.00	ug/L	0.00	
18) Chlorobenzene-d5	10.980	117	31422	5.00	ug/L	0.00	
System Monitoring Compounds							
13) 1,2-Dichloroethane-d4	7.628	65	10271	4.66	ug/L	0.00	
Spiked Amount	5.000	Range 74 - 125	Recovery	=	93.20%		
19) Toluene-d8	9.428	98	23896	4.69	ug/L	0.00	
Spiked Amount	5.000	Range 88 - 111	Recovery	=	93.80%		
Target Compounds							
							Qvalue
2) Vinyl Chloride	3.183	62	33757	11.04	ug/L		97
3) Chloromethane	3.120	50	45649	11.16	ug/L		99
4) 1,1-Dichloroethene	4.561	61	38698	10.43	ug/L		96
5) Methylene Chloride	5.208	49	47649	10.59	ug/L		89
6) trans-1,2-Dichloroethene	5.383	61	37888	10.44	ug/L		92
7) 1,1-Dichloroethane	6.059	63	49884	10.42	ug/L		99
8) cis-1,2-Dichloroethene	6.625	96	27033	10.60	ug/L		97
9) Chloroform	6.883	83	53258	10.40	ug/L		98
10) Carbon Tetrachloride	7.051	117	36195	10.08	ug/L		99
11) 1,1,1-Trichloroethane	7.119	97	42354	10.41	ug/L		93
12) Benzene	7.492	78	80933	10.35	ug/L		97
14) 1,2-Dichloroethane	7.689	62	36440	10.42	ug/L		91
15) Trichloroethene	8.060	95	24370	10.39	ug/L		94
16) 1,2-Dichloropropane	8.588	63	24050	10.44	ug/L		90
17) cis-1,3-Dichloropropene	9.246	75	24915	10.19	ug/L		99
20) trans-1,3-Dichloropropene	9.874	75	24491	9.86	ug/L		97
21) Tetrachloroethene	9.874	166	26173	10.05	ug/L #		97
22) 1,4-Dichlorobenzene	13.354	146	61683	10.36	ug/L		98
23) 1,2-Dibromo-3-Chloropr...	14.517	75	5243	9.82	ug/L #		77

(#) = qualifier out of range (m) = manual integration (+) = signals summed

7.6.21
7

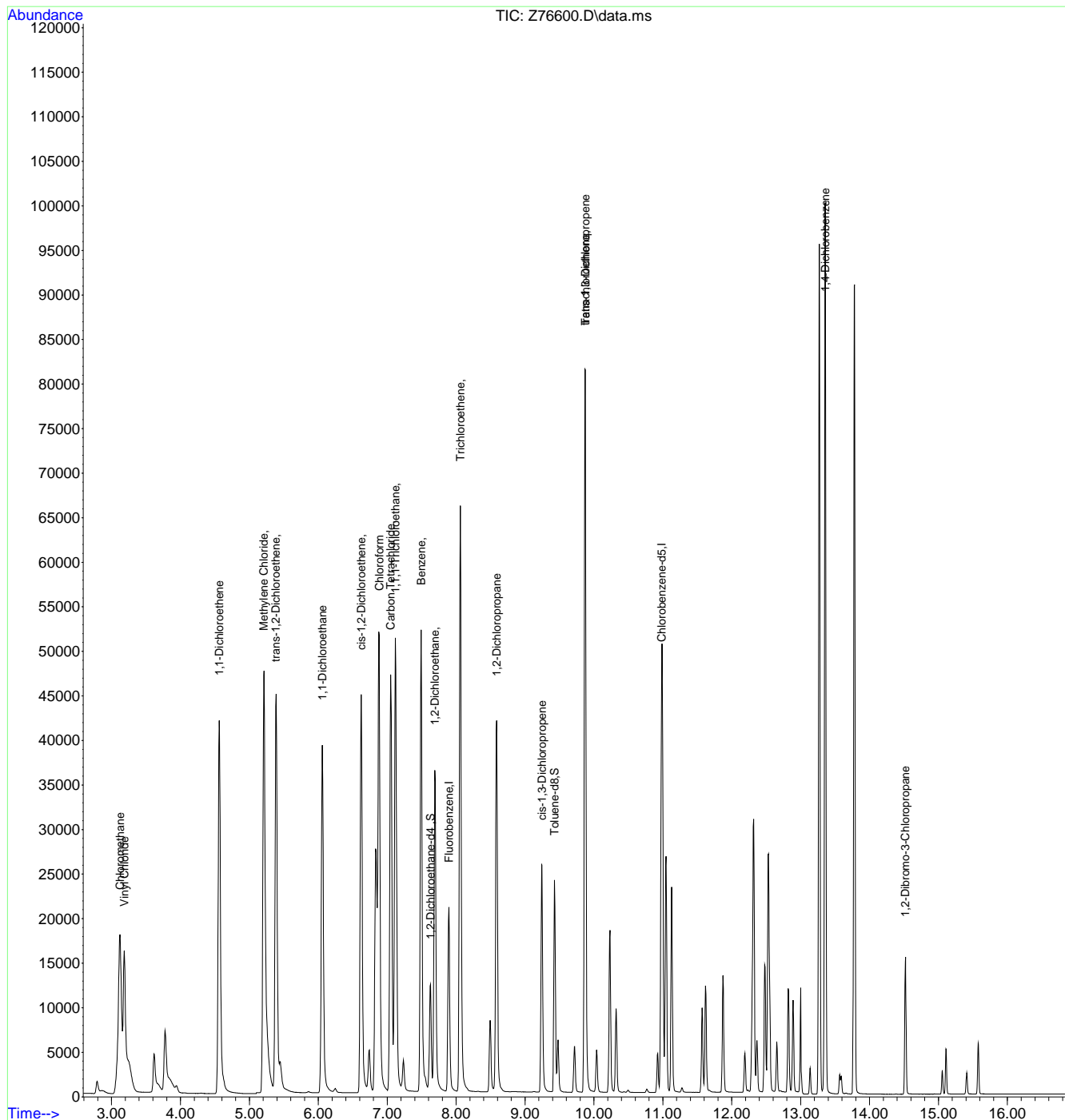


Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\082624\
 Data File : Z76600.D
 Acq On : 26 Aug 2024 7:17 pm
 Operator : claudias
 Sample : ECC3083-6
 Misc : MS57364,VZ3083,,,,,
 ALS Vial : 27 Sample Multiplier: 1

Inst : MSVOA15-Z

Quant Time: Aug 27 06:13:41 2024
 Quant Method : C:\msdchem\1\methods\SIMCL-08-26-2024.M
 Quant Title : Standard Methods 6200B
 QLast Update : Mon Aug 26 13:08:06 2024
 Response via : Initial Calibration



7.6.21
7



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\082824\
 Data File : Z76603.D
 Acq On : 28 Aug 2024 8:29 am
 Operator : claudias
 Sample : IC3084-1 Inst : MSVOA15-Z
 Misc : MS57344,VZ3084,,,,,
 ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 28 09:43:35 2024
 Quant Method : C:\msdchem\1\methods\SIMCL-08-26-2024.M
 Quant Title : Standard Methods 6200B
 QLast Update : Mon Aug 26 13:08:06 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Fluorobenzene	7.895	96	16248	5.00	ug/L	0.00
18) Chlorobenzene-d5	10.980	117	17016	5.00	ug/L	0.00
System Monitoring Compounds						
13) 1,2-Dichloroethane-d4	7.628	65	4890	3.51	ug/L	0.00
Spiked Amount	5.000	Range 74 - 125	Recovery	=	70.20%#	
19) Toluene-d8	9.428	98	19188	6.95	ug/L	0.00
Spiked Amount	5.000	Range 88 - 111	Recovery	=	139.00%#	
Target Compounds						
						Qvalue
2) Vinyl Chloride	3.192	62	1003	0.52	ug/L	# 40
3) Chloromethane	3.133	50	820	0.32	ug/L	99
4) 1,1-Dichloroethene	4.570	61	285	0.11	ug/L	97
5) Methylene Chloride	5.213	49	2791	0.80	ug/L	96
6) trans-1,2-Dichloroethene	5.395	61	244	0.10	ug/L	94
7) 1,1-Dichloroethane	6.065	63	301	0.09	ug/L	97
8) cis-1,2-Dichloroethene	6.625	96	214	0.12	ug/L	95
9) Chloroform	6.883	83	360m	0.10	ug/L	
10) Carbon Tetrachloride	7.051	117	298m	0.11	ug/L	
11) 1,1,1-Trichloroethane	7.126	97	371m	0.13	ug/L	
12) Benzene	7.499	78	611	0.12	ug/L	93
14) 1,2-Dichloroethane	7.696	62	231	0.09	ug/L	95
15) Trichloroethene	8.066	95	180	0.12	ug/L	93
16) 1,2-Dichloropropane	8.588	63	166	0.11	ug/L	89
17) cis-1,3-Dichloropropene	9.246	75	272	0.20	ug/L	87
20) trans-1,3-Dichloropropene	9.880	75	273	0.25	ug/L	92
21) Tetrachloroethene	9.874	166	229	0.16	ug/L	# 92
22) 1,4-Dichlorobenzene	13.274	146	499	0.16	ug/L	95
23) 1,2-Dibromo-3-Chloropr...	14.517	75	94m	0.33	ug/L	

(#) = qualifier out of range (m) = manual integration (+) = signals summed

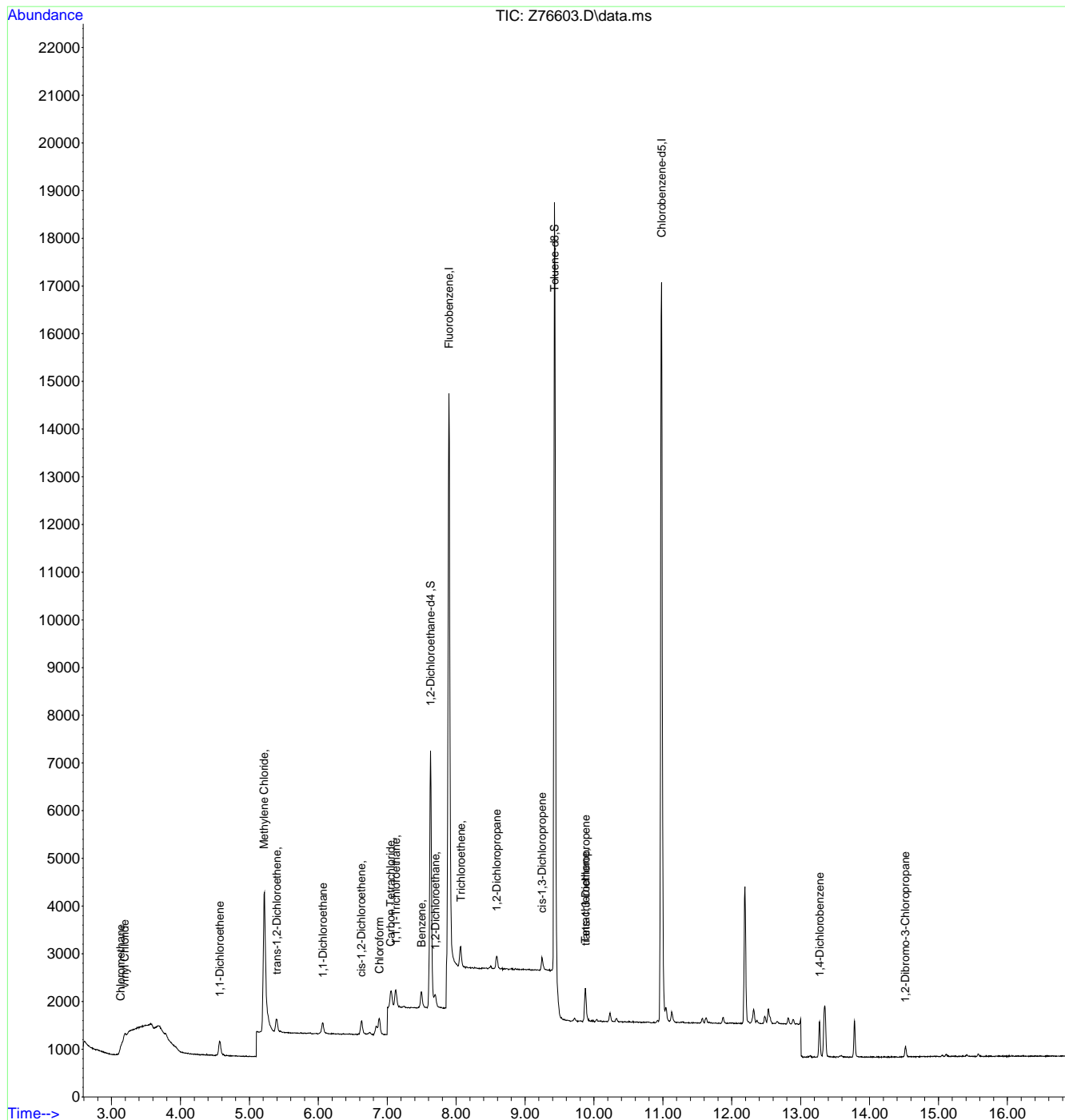
7.6.22
7



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\082824\
 Data File : Z76603.D
 Acq On : 28 Aug 2024 8:29 am
 Operator : claudias
 Sample : IC3084-1 Inst : MSVOA15-Z
 Misc : MS57344,VZ3084,,,,,
 ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 28 09:43:35 2024
 Quant Method : C:\msdchem\1\methods\SIMCL-08-26-2024.M
 Quant Title : Standard Methods 6200B
 QLast Update : Mon Aug 26 13:08:06 2024
 Response via : Initial Calibration



7.6.22
7



Manual Integration Approval Summary

Sample Number: VZ3084-IC3084
Lab FileID: Z76603.D
Injection Time: 08/28/24 08:29

Method: SW846 8260D BY SIM
Analyst approved: 08/28/24 12:42 Claudia Sosa
Supervisor approved: 08/28/24 14:42 Karen Watson

Parameter	CAS	Sig#	R.T. (min.)	Reason
Chloroform	67-66-3		6.88	Poor instrument integration
Carbon Tetrachloride	56-23-5		7.05	Poor instrument integration
1,1,1-Trichloroethane	71-55-6		7.13	Poor instrument integration
1,2-Dibromo-3-chloropropane	96-12-8		14.52	Missed peak

7.6.22.1

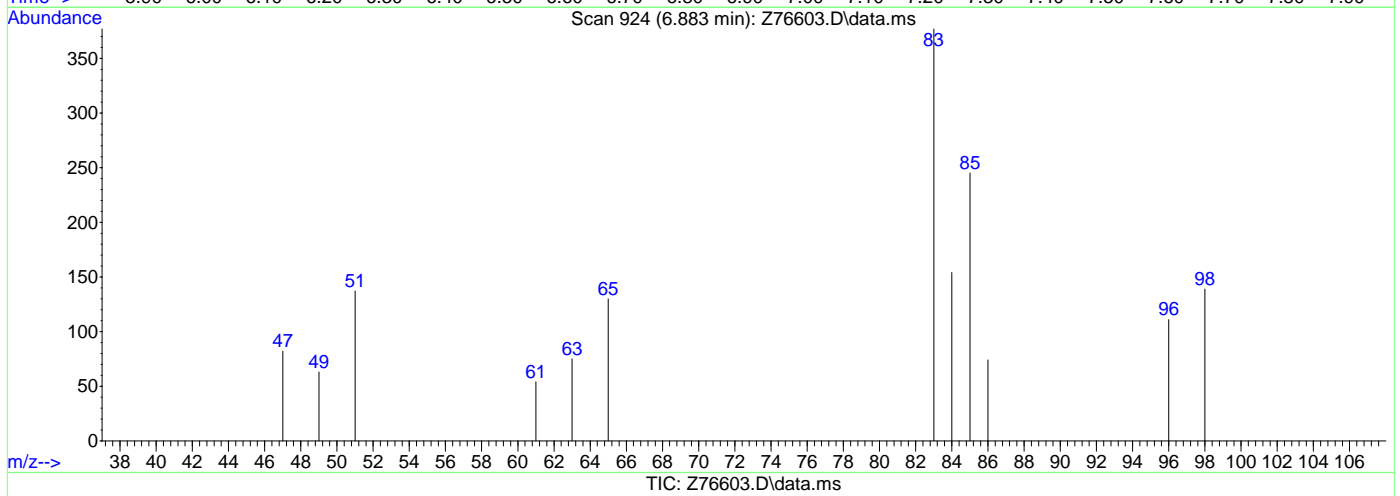
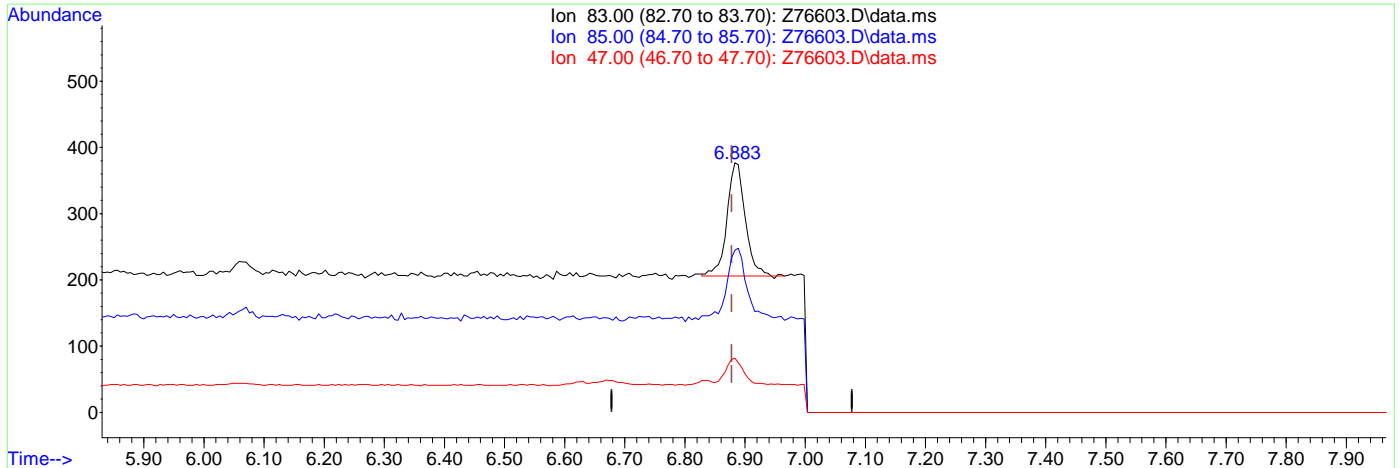
7

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\082824\
 Data File : Z76603.D
 Acq On : 28 Aug 2024 8:29 am
 Operator : claudias
 Sample : IC3084-1
 Misc : MS57344,VZ3084,,,,,
 ALS Vial : 3 Sample Multiplier: 1

Inst : MSVOA15-Z

Quant Time: Aug 28 09:43:35 2024
 Quant Method : C:\msdchem\1\methods\SIMCL-08-26-2024.M
 Quant Title : Standard Methods 6200B
 QLast Update : Mon Aug 26 13:08:06 2024
 Response via : Initial Calibration



(9) Chloroform

6.883min (+0.005) 0.10ug/L m

response 360

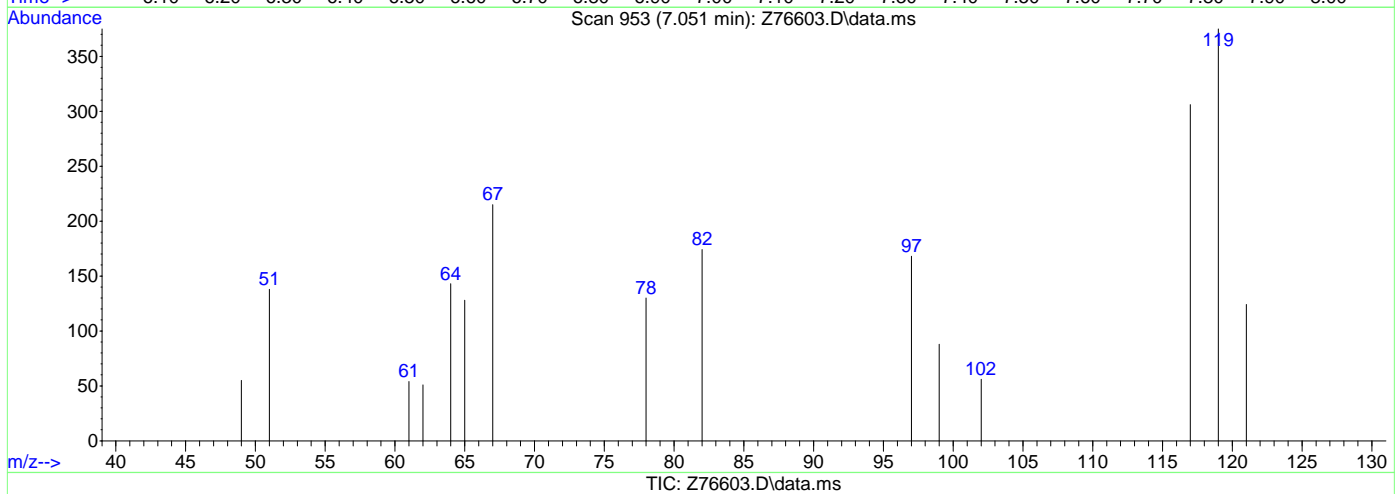
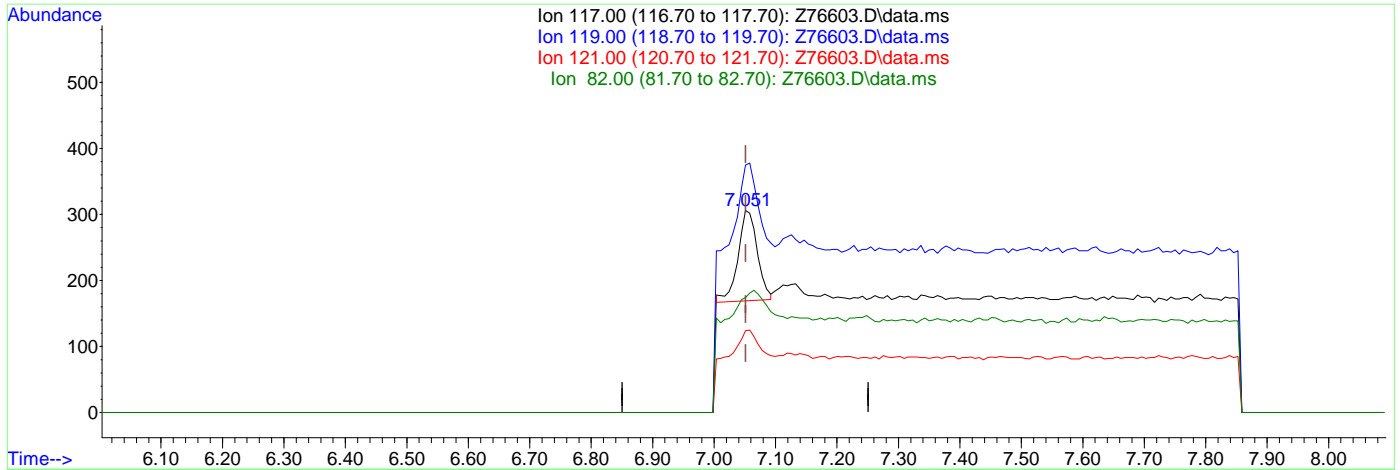
Ion	Exp%	Act%
83.00	100	100
85.00	65.90	64.99
47.00	21.00	21.75
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\082824\
 Data File : Z76603.D
 Acq On : 28 Aug 2024 8:29 am
 Operator : claudias
 Sample : IC3084-1
 Misc : MS57344,VZ3084,,,,,
 ALS Vial : 3 Sample Multiplier: 1

Inst : MSVOA15-Z

Quant Time: Aug 28 09:43:35 2024
 Quant Method : C:\msdchem\1\methods\SIMCL-08-26-2024.M
 Quant Title : Standard Methods 6200B
 QLast Update : Mon Aug 26 13:08:06 2024
 Response via : Initial Calibration



(10) Carbon Tetrachloride ()

7.051min (+0.000) 0.11ug/L m

response 298

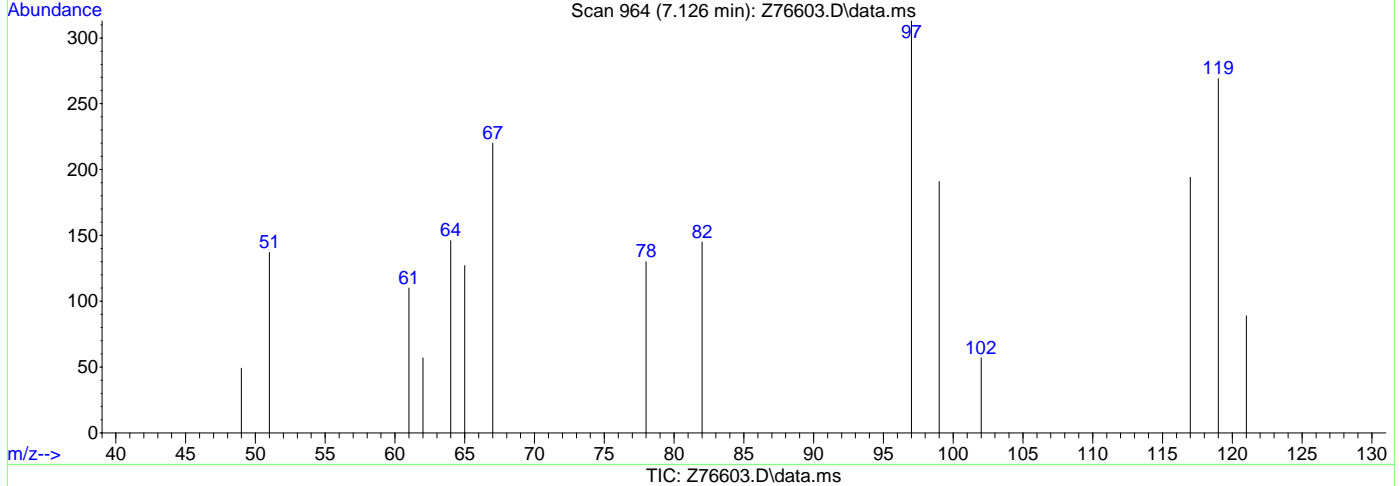
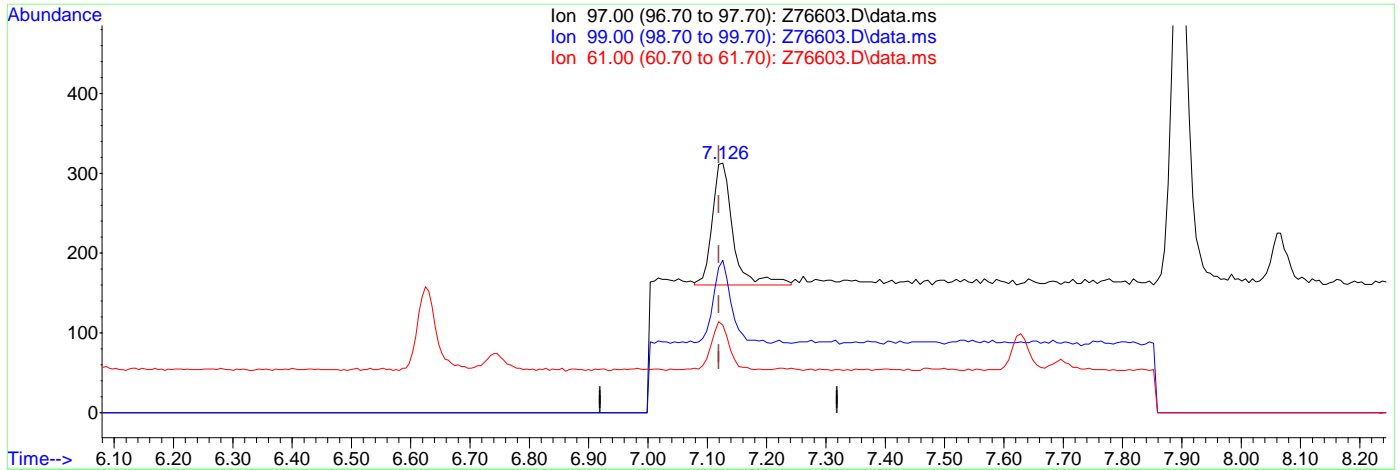
Ion	Exp%	Act%
117.00	100	100
119.00	96.20	122.55
121.00	31.20	40.52
82.00	20.80	56.86#

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\082824\
 Data File : Z76603.D
 Acq On : 28 Aug 2024 8:29 am
 Operator : claudias
 Sample : IC3084-1
 Misc : MS57344,VZ3084,,,,,
 ALS Vial : 3 Sample Multiplier: 1

Inst : MSVOA15-Z

Quant Time: Aug 28 09:43:35 2024
 Quant Method : C:\msdchem\1\methods\SIMCL-08-26-2024.M
 Quant Title : Standard Methods 6200B
 QLast Update : Mon Aug 26 13:08:06 2024
 Response via : Initial Calibration



(11) 1,1,1-Trichloroethane ()

7.126min (+0.007) 0.13ug/L m

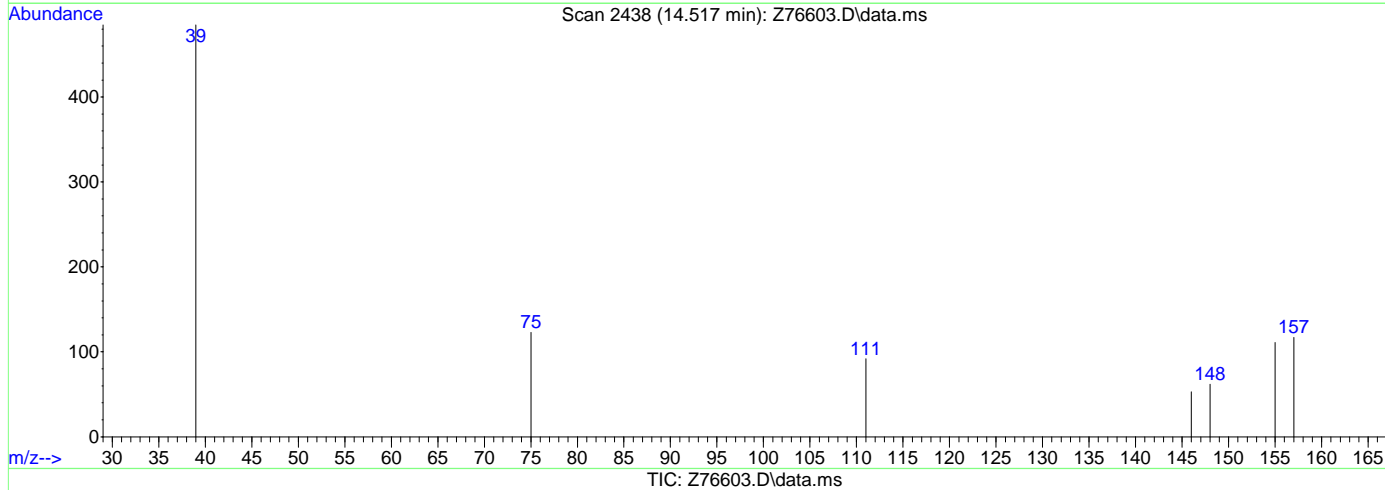
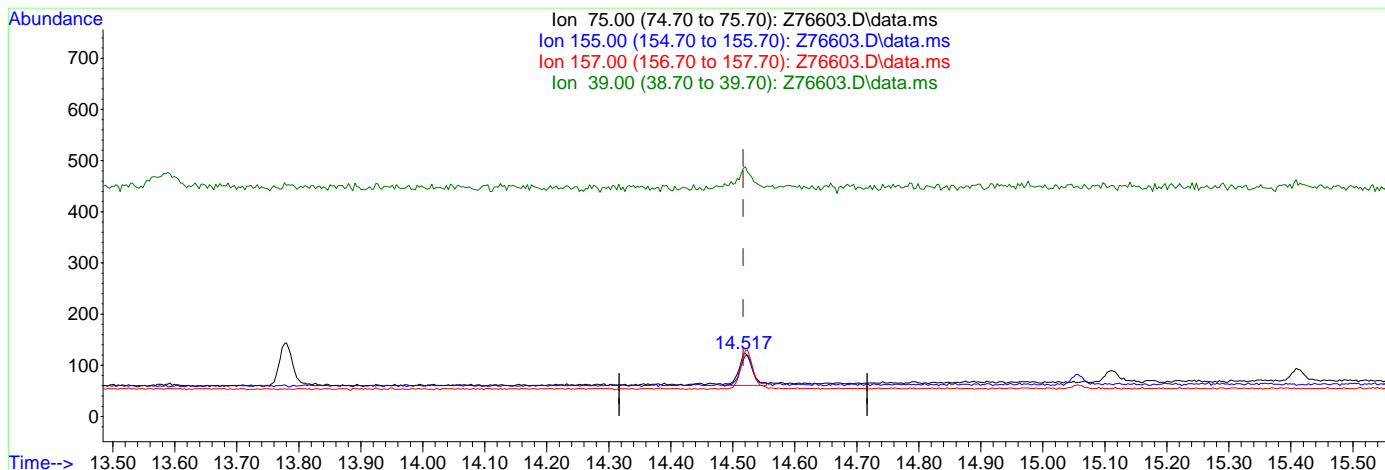
response 371

Ion	Exp%	Act%
97.00	100	100
99.00	64.80	61.02
61.00	33.90	35.14
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\082824\
 Data File : Z76603.D
 Acq On : 28 Aug 2024 8:29 am
 Operator : claudias
 Sample : IC3084-1
 Misc : MS57344,VZ3084,,,,,
 ALS Vial : 3 Sample Multiplier: 1
 Inst : MSVOA15-Z

Quant Time: Aug 28 09:43:35 2024
 Quant Method : C:\msdchem\1\methods\SIMCL-08-26-2024.M
 Quant Title : Standard Methods 6200B
 QLast Update : Mon Aug 26 13:08:06 2024
 Response via : Initial Calibration



(23) 1,2-Dibromo-3-Chloropropane

14.517min (+0.000) 0.33ug/L m

response 94

Ion	Exp%	Act%
75.00	100	100
155.00	116.30	90.24
157.00	149.10	95.12#
39.00	55.20	394.31#

7.6.22.5
7

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\082824\
 Data File : Z76604.D
 Acq On : 28 Aug 2024 8:51 am
 Operator : claudias
 Sample : IC3084-2 Inst : MSVOA15-Z
 Misc : MS57344,VZ3084,,,,,
 ALS Vial : 4 Sample Multiplier: 1

Quant Time: Aug 28 09:15:52 2024
 Quant Method : C:\msdchem\1\methods\SIMCL-08-26-2024.M
 Quant Title : Standard Methods 6200B
 QLast Update : Mon Aug 26 13:08:06 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	Qvalue

Internal Standards							
1) Fluorobenzene	7.894	96	16712	5.00	ug/L	0.00	
18) Chlorobenzene-d5	10.980	117	17424	5.00	ug/L	0.00	
System Monitoring Compounds							
13) 1,2-Dichloroethane-d4	7.628	65	5206	3.64	ug/L	0.00	
Spiked Amount	5.000	Range 74 - 125	Recovery	=	72.80%#		
19) Toluene-d8	9.428	98	19524	6.91	ug/L	0.00	
Spiked Amount	5.000	Range 88 - 111	Recovery	=	138.20%#		
Target Compounds							
2) Vinyl Chloride	3.188	62	1692	0.85	ug/L		78
3) Chloromethane	3.133	50	1602	0.60	ug/L		97
4) 1,1-Dichloroethene	4.566	61	1109	0.42	ug/L		97
5) Methylene Chloride	5.213	49	3660	1.03	ug/L		96
6) trans-1,2-Dichloroethene	5.389	61	1014	0.39	ug/L		96
7) 1,1-Dichloroethane	6.059	63	1316	0.37	ug/L		99
8) cis-1,2-Dichloroethene	6.625	96	781	0.44	ug/L		94
9) Chloroform	6.883	83	1378m	0.36	ug/L		
10) Carbon Tetrachloride	7.058	117	1171m	0.44	ug/L		
11) 1,1,1-Trichloroethane	7.126	97	1268m	0.43	ug/L		
12) Benzene	7.492	78	2431	0.46	ug/L		96
14) 1,2-Dichloroethane	7.696	62	922	0.36	ug/L		95
15) Trichloroethene	8.060	95	670	0.43	ug/L		92
16) 1,2-Dichloropropane	8.588	63	652	0.42	ug/L		93
17) cis-1,3-Dichloropropene	9.246	75	997	0.70	ug/L		94
20) trans-1,3-Dichloropropene	9.874	75	890	0.79	ug/L		95
21) Tetrachloroethene	9.874	166	751	0.53	ug/L #		94
22) 1,4-Dichlorobenzene	13.354	146	1489	0.45	ug/L		87
23) 1,2-Dibromo-3-Chloropr...	14.520	75	224m	0.77	ug/L		

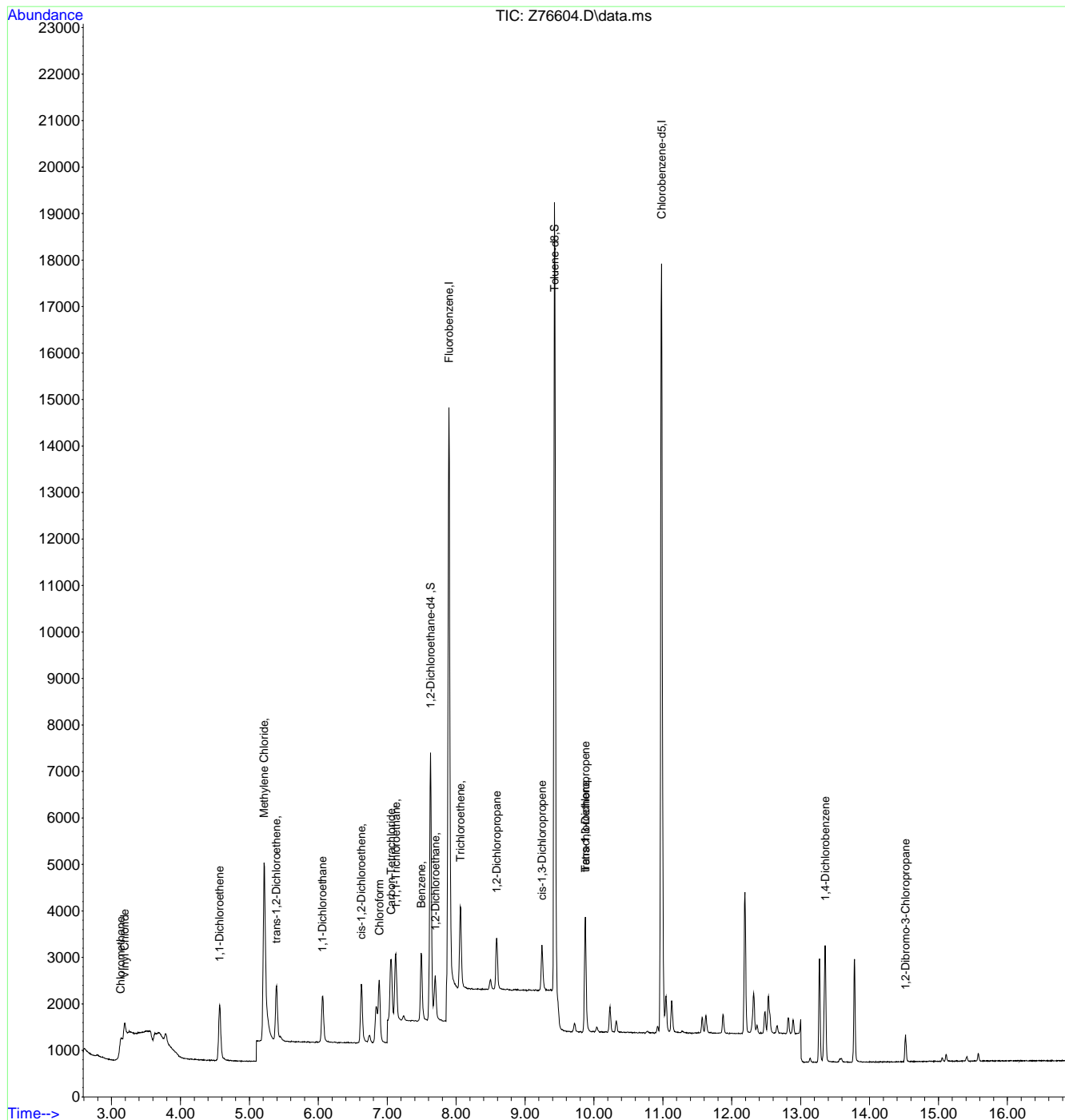
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\082824\
 Data File : Z76604.D
 Acq On : 28 Aug 2024 8:51 am
 Operator : claudias
 Sample : IC3084-2
 Misc : MS57344,VZ3084,,,,,
 ALS Vial : 4 Sample Multiplier: 1

Inst : MSVOA15-Z

Quant Time: Aug 28 09:15:52 2024
 Quant Method : C:\msdchem\1\methods\SIMCL-08-26-2024.M
 Quant Title : Standard Methods 6200B
 QLast Update : Mon Aug 26 13:08:06 2024
 Response via : Initial Calibration



7.6.23
7



Manual Integration Approval Summary

Sample Number: VZ3084-IC3084 **Method:** SW846 8260D BY SIM
Lab FileID: Z76604.D **Analyst approved:** 08/28/24 12:42 Claudia Sosa
Injection Time: 08/28/24 08:51 **Supervisor approved:** 08/28/24 14:42 Karen Watson

Parameter	CAS	Sig#	R.T. (min.)	Reason
Chloroform	67-66-3		6.88	Poor instrument integration
Carbon Tetrachloride	56-23-5		7.06	Poor instrument integration
1,1,1-Trichloroethane	71-55-6		7.13	Poor instrument integration
1,2-Dibromo-3-chloropropane	96-12-8		14.52	Missed peak

7.6.23.1

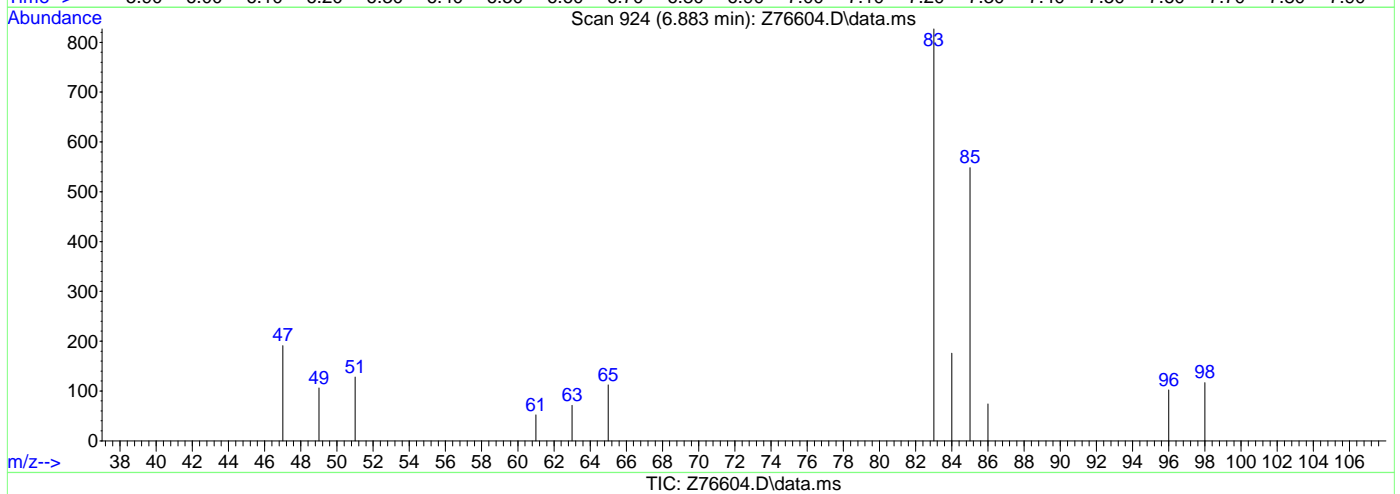
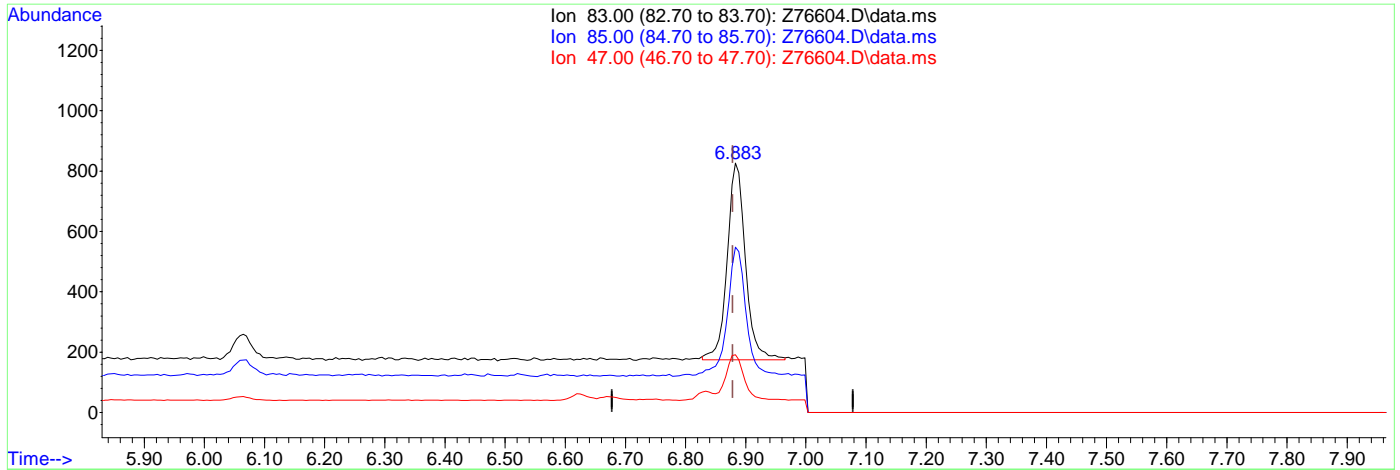
7

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\082824\
 Data File : Z76604.D
 Acq On : 28 Aug 2024 8:51 am
 Operator : claudias
 Sample : IC3084-2
 Misc : MS57344,VZ3084,,,,,
 ALS Vial : 4 Sample Multiplier: 1

Inst : MSVOA15-Z

Quant Time: Aug 28 09:15:52 2024
 Quant Method : C:\msdchem\1\methods\SIMCL-08-26-2024.M
 Quant Title : Standard Methods 6200B
 QLast Update : Mon Aug 26 13:08:06 2024
 Response via : Initial Calibration



(9) Chloroform
 6.883min (+0.005) 0.36ug/L m
 response 1378

Ion	Exp%	Act%
83.00	100	100
85.00	65.90	66.26
47.00	21.00	23.10
0.00	0.00	0.00

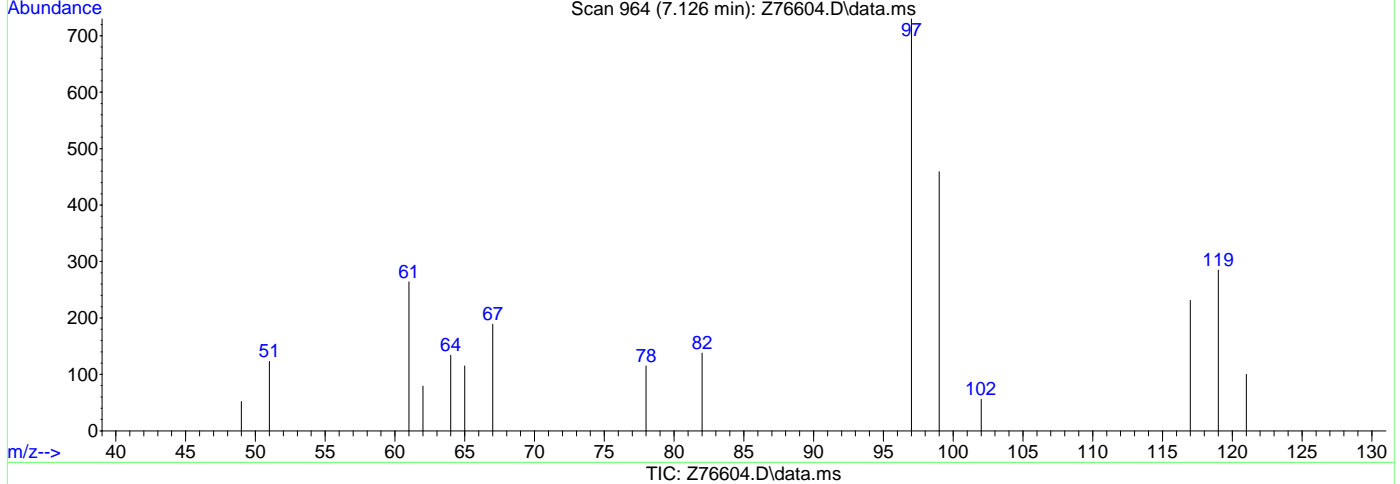
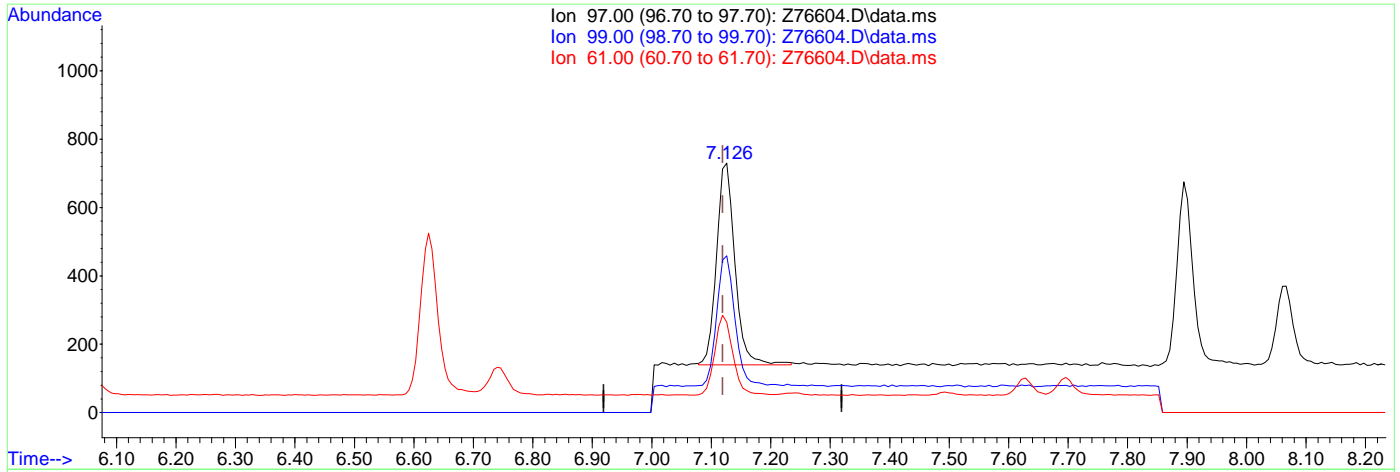
7.6.23.2
7

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\082824\
 Data File : Z76604.D
 Acq On : 28 Aug 2024 8:51 am
 Operator : claudias
 Sample : IC3084-2
 Misc : MS57344,VZ3084,,,,,
 ALS Vial : 4 Sample Multiplier: 1

Inst : MSVOA15-Z

Quant Time: Aug 28 09:15:52 2024
 Quant Method : C:\msdchem\1\methods\SIMCL-08-26-2024.M
 Quant Title : Standard Methods 6200B
 QLast Update : Mon Aug 26 13:08:06 2024
 Response via : Initial Calibration



(11) 1,1,1-Trichloroethane ()

7.126min (+0.007) 0.43ug/L m

response 1268

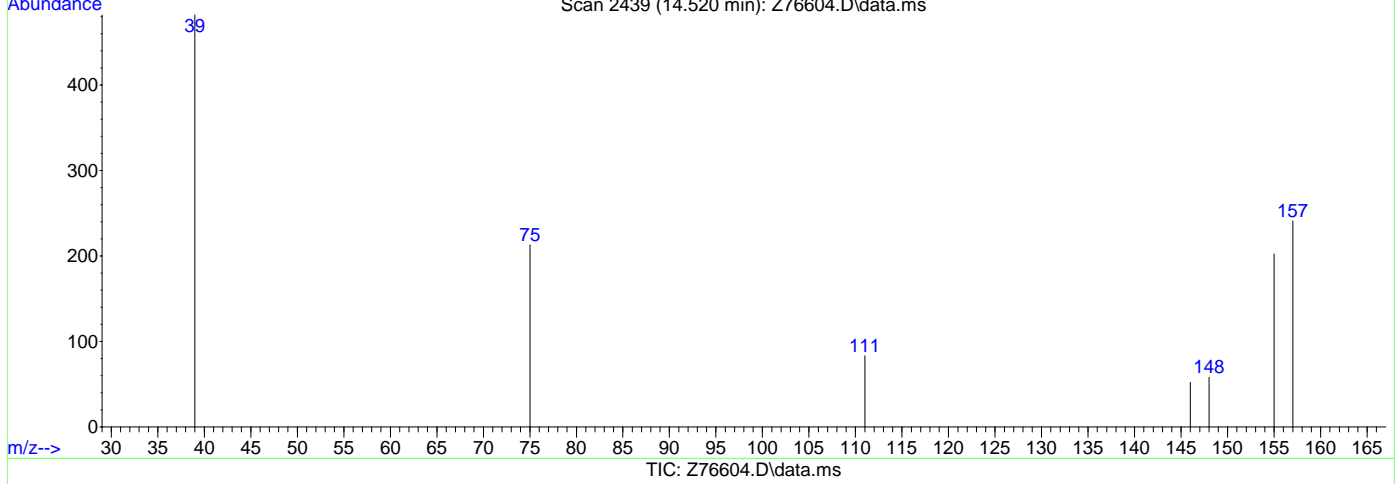
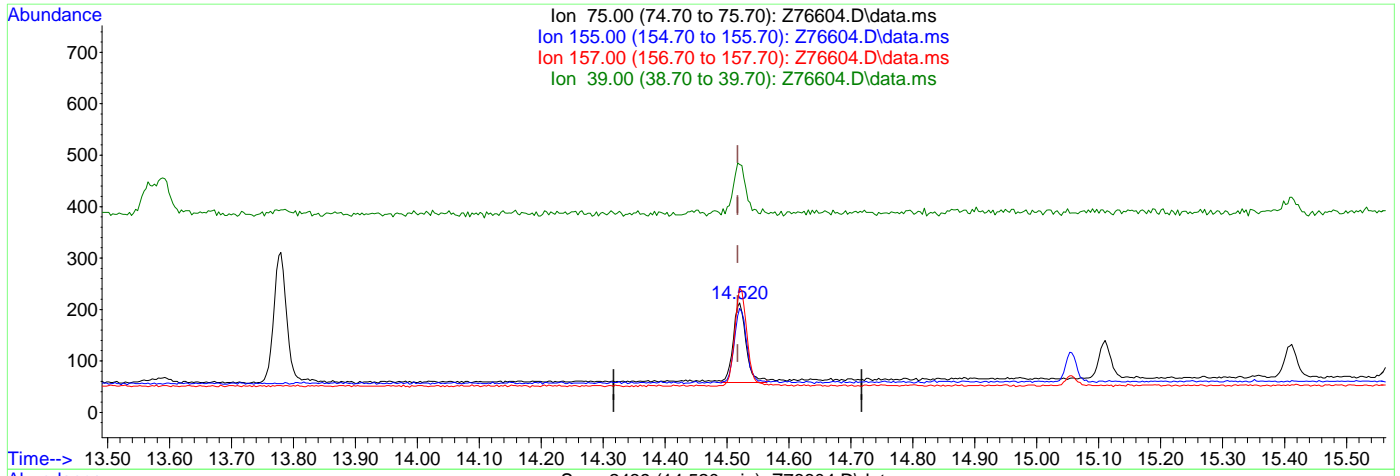
Ion	Exp%	Act%
97.00	100	100
99.00	64.80	62.88
61.00	33.90	36.16
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\082824\
 Data File : Z76604.D
 Acq On : 28 Aug 2024 8:51 am
 Operator : claudias
 Sample : IC3084-2
 Misc : MS57344,VZ3084,,,,,
 ALS Vial : 4 Sample Multiplier: 1

Inst : MSVOA15-Z

Quant Time: Aug 28 09:15:52 2024
 Quant Method : C:\msdchem\1\methods\SIMCL-08-26-2024.M
 Quant Title : Standard Methods 6200B
 QLast Update : Mon Aug 26 13:08:06 2024
 Response via : Initial Calibration



(23) 1,2-Dibromo-3-Chloropropane

14.520min (+0.003) 0.77ug/L m

response 224

Ion	Exp%	Act%
75.00	100	100
155.00	116.30	94.84
157.00	149.10	113.15#
39.00	55.20	226.29#



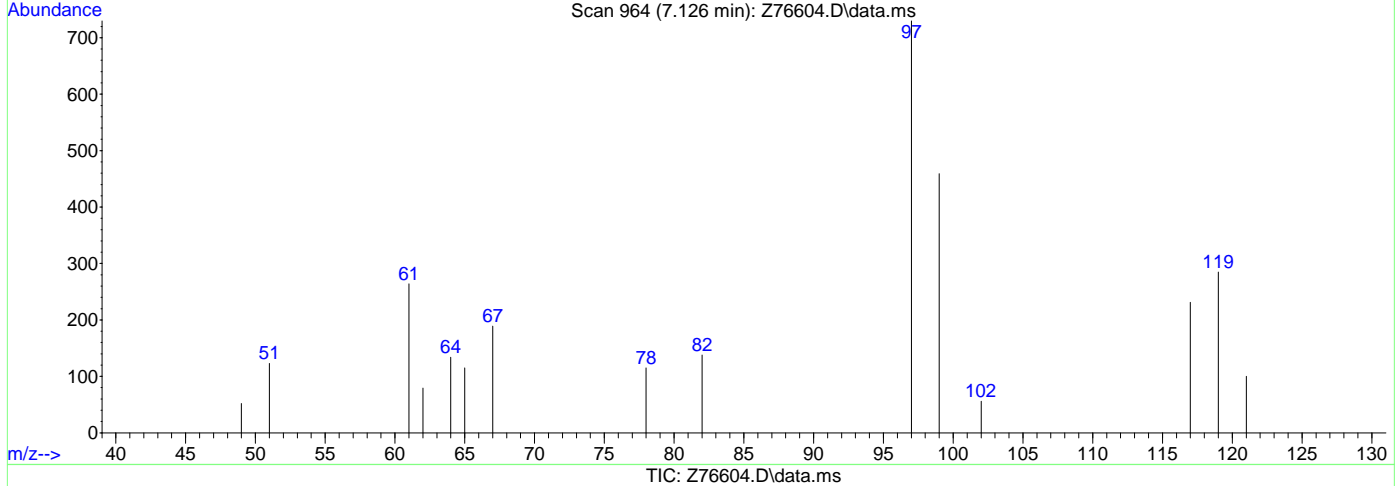
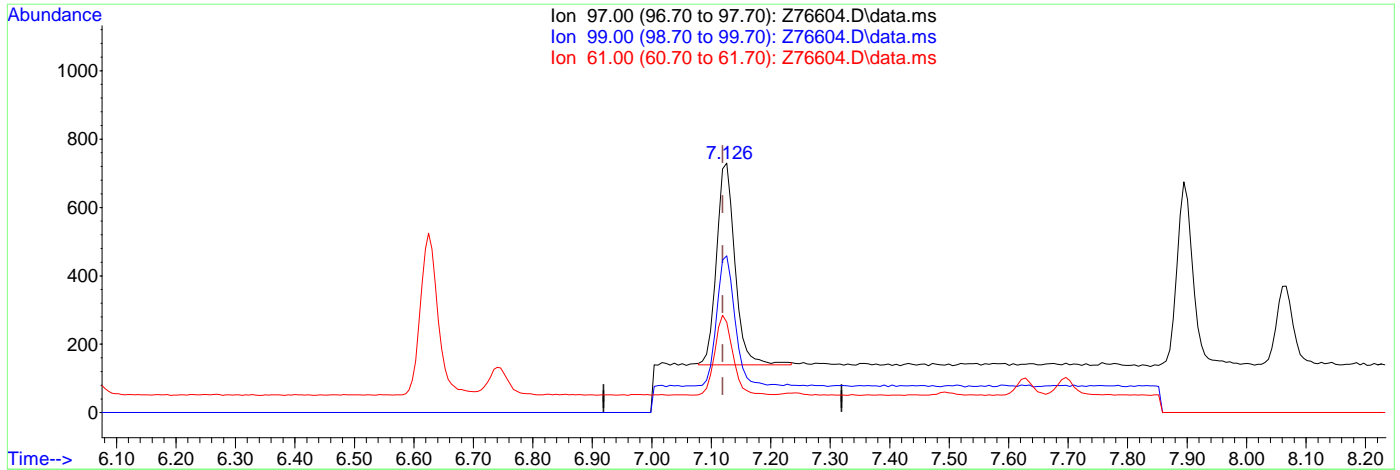
7.6.23.4
7

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\082824\
 Data File : Z76604.D
 Acq On : 28 Aug 2024 8:51 am
 Operator : claudias
 Sample : IC3084-2
 Misc : MS57344,VZ3084,,,,,
 ALS Vial : 4 Sample Multiplier: 1

Inst : MSVOA15-Z

Quant Time: Aug 28 09:15:52 2024
 Quant Method : C:\msdchem\1\methods\SIMCL-08-26-2024.M
 Quant Title : Standard Methods 6200B
 QLast Update : Mon Aug 26 13:08:06 2024
 Response via : Initial Calibration



(11) 1,1,1-Trichloroethane ()

7.126min (+0.007) 0.43ug/L m

response 1268

Ion	Exp%	Act%
97.00	100	100
99.00	64.80	62.88
61.00	33.90	36.16
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\082824\
 Data File : Z76605.D
 Acq On : 28 Aug 2024 9:24 am
 Operator : claudias
 Sample : IC3084-3 Inst : MSVOA15-Z
 Misc : MS57344,VZ3084,,,,,
 ALS Vial : 5 Sample Multiplier: 1

Quant Time: Aug 28 09:44:27 2024
 Quant Method : C:\msdchem\1\methods\SIMCL-08-26-2024.M
 Quant Title : Standard Methods 6200B
 QLast Update : Mon Aug 26 13:08:06 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	

Internal Standards							
1) Fluorobenzene	7.895	96	17109	5.00	ug/L	0.00	
18) Chlorobenzene-d5	10.975	117	18056	5.00	ug/L	0.00	
System Monitoring Compounds							
13) 1,2-Dichloroethane-d4	7.621	65	5580	3.81	ug/L	0.00	
Spiked Amount	5.000	Range 74 - 125	Recovery	=	76.20%		
19) Toluene-d8	9.428	98	20074	6.85	ug/L	0.00	
Spiked Amount	5.000	Range 88 - 111	Recovery	=	137.00%#		
Target Compounds							
							Qvalue
2) Vinyl Chloride	3.184	62	3807	1.87	ug/L		95
3) Chloromethane	3.129	50	4138	1.52	ug/L		98
4) 1,1-Dichloroethene	4.562	61	4077	1.51	ug/L		98
5) Methylene Chloride	5.208	49	6955	1.94	ug/L		96
6) trans-1,2-Dichloroethene	5.384	61	3886	1.48	ug/L		95
7) 1,1-Dichloroethane	6.059	63	5059	1.42	ug/L		100
8) cis-1,2-Dichloroethene	6.625	96	3101	1.72	ug/L		99
9) Chloroform	6.878	83	7182	1.85	ug/L		97
10) Carbon Tetrachloride	7.051	117	4748	1.76	ug/L		96
11) 1,1,1-Trichloroethane	7.119	97	5278	1.76	ug/L		97
12) Benzene	7.493	78	9612	1.78	ug/L		94
14) 1,2-Dichloroethane	7.689	62	3720	1.42	ug/L		94
15) Trichloroethene	8.061	95	2673	1.67	ug/L		93
16) 1,2-Dichloropropane	8.582	63	2618	1.66	ug/L		92
17) cis-1,3-Dichloropropene	9.240	75	4076	2.73	ug/L		91
20) trans-1,3-Dichloropropene	9.874	75	3710	3.00	ug/L		94
21) Tetrachloroethene	9.869	166	2773	1.87	ug/L #		91
22) 1,4-Dichlorobenzene	13.354	146	6062	1.78	ug/L		92
23) 1,2-Dibromo-3-Chloropr...	14.521	75	827	2.74	ug/L		83

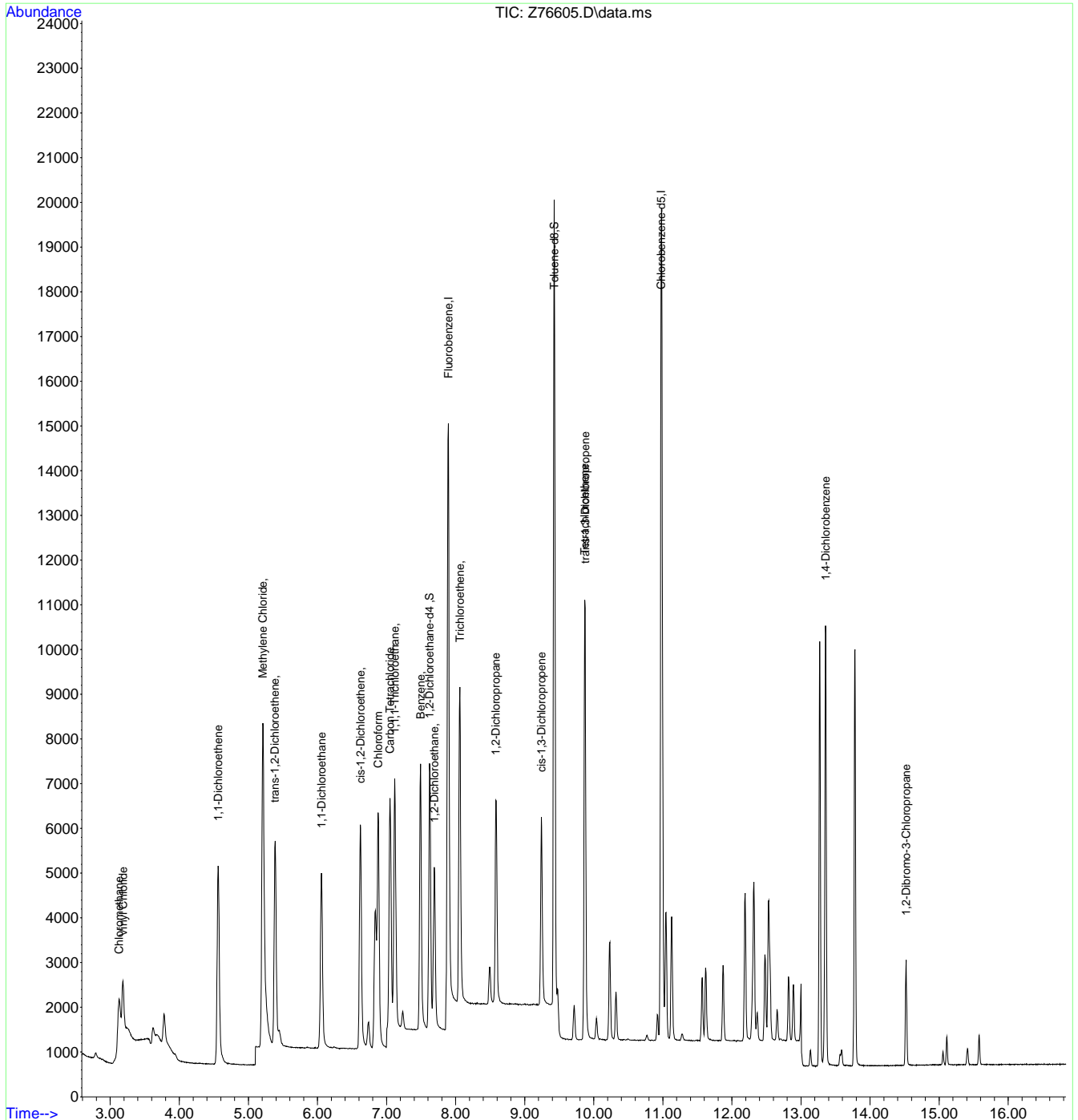
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\082824\
 Data File : Z76605.D
 Acq On : 28 Aug 2024 9:24 am
 Operator : claudias
 Sample : IC3084-3
 Misc : MS57344,VZ3084,,,,,
 ALS Vial : 5 Sample Multiplier: 1

Inst : MSVOA15-Z

Quant Time: Aug 28 09:44:27 2024
 Quant Method : C:\msdchem\1\methods\SIMCL-08-26-2024.M
 Quant Title : Standard Methods 6200B
 QLast Update : Mon Aug 26 13:08:06 2024
 Response via : Initial Calibration



7.6.24

7



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\082824\
 Data File : Z76606.D
 Acq On : 28 Aug 2024 9:47 am
 Operator : claudias
 Sample : IC3084-4 Inst : MSVOA15-Z
 Misc : MS57344,VZ3084,,,,,
 ALS Vial : 6 Sample Multiplier: 1

Quant Time: Aug 28 10:16:43 2024
 Quant Method : C:\msdchem\1\methods\SIMCL-08-26-2024.M
 Quant Title : Standard Methods 6200B
 QLast Update : Mon Aug 26 13:08:06 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	

Internal Standards							
1) Fluorobenzene	7.895	96	17386	5.00	ug/L	0.00	
18) Chlorobenzene-d5	10.980	117	18190	5.00	ug/L	0.00	
System Monitoring Compounds							
13) 1,2-Dichloroethane-d4	7.628	65	5389	3.62	ug/L	0.00	
Spiked Amount	5.000	Range 74 - 125	Recovery	=	72.40%#		
19) Toluene-d8	9.428	98	20073	6.80	ug/L	0.00	
Spiked Amount	5.000	Range 88 - 111	Recovery	=	136.00%#		
Target Compounds							
							Qvalue
2) Vinyl Chloride	3.192	62	8752	4.23	ug/L		97
3) Chloromethane	3.133	50	9782	3.54	ug/L		98
4) 1,1-Dichloroethene	4.566	61	10002	3.73	ug/L		98
5) Methylene Chloride	5.213	49	12634	3.58	ug/L		97
6) trans-1,2-Dichloroethene	5.389	61	9518	3.63	ug/L		96
7) 1,1-Dichloroethane	6.059	63	12642	3.58	ug/L		100
8) cis-1,2-Dichloroethene	6.625	96	7691	4.28	ug/L		96
9) Chloroform	6.883	83	15084	3.95	ug/L		97
10) Carbon Tetrachloride	7.058	117	10818	4.07	ug/L		98
11) 1,1,1-Trichloroethane	7.126	97	12294	4.15	ug/L		97
12) Benzene	7.493	78	24297	4.49	ug/L		95
14) 1,2-Dichloroethane	7.696	62	9391	3.63	ug/L		95
15) Trichloroethene	8.061	95	6734	4.17	ug/L		92
16) 1,2-Dichloropropane	8.588	63	6797	4.27	ug/L		93
17) cis-1,3-Dichloropropene	9.246	75	10532	6.63	ug/L		96
20) trans-1,3-Dichloropropene	9.874	75	9485	6.99	ug/L		94
21) Tetrachloroethene	9.874	166	6789	4.54	ug/L #		94
22) 1,4-Dichlorobenzene	13.354	146	15890	4.63	ug/L		94
23) 1,2-Dibromo-3-Chloropr...	14.520	75	2147	6.99	ug/L		83

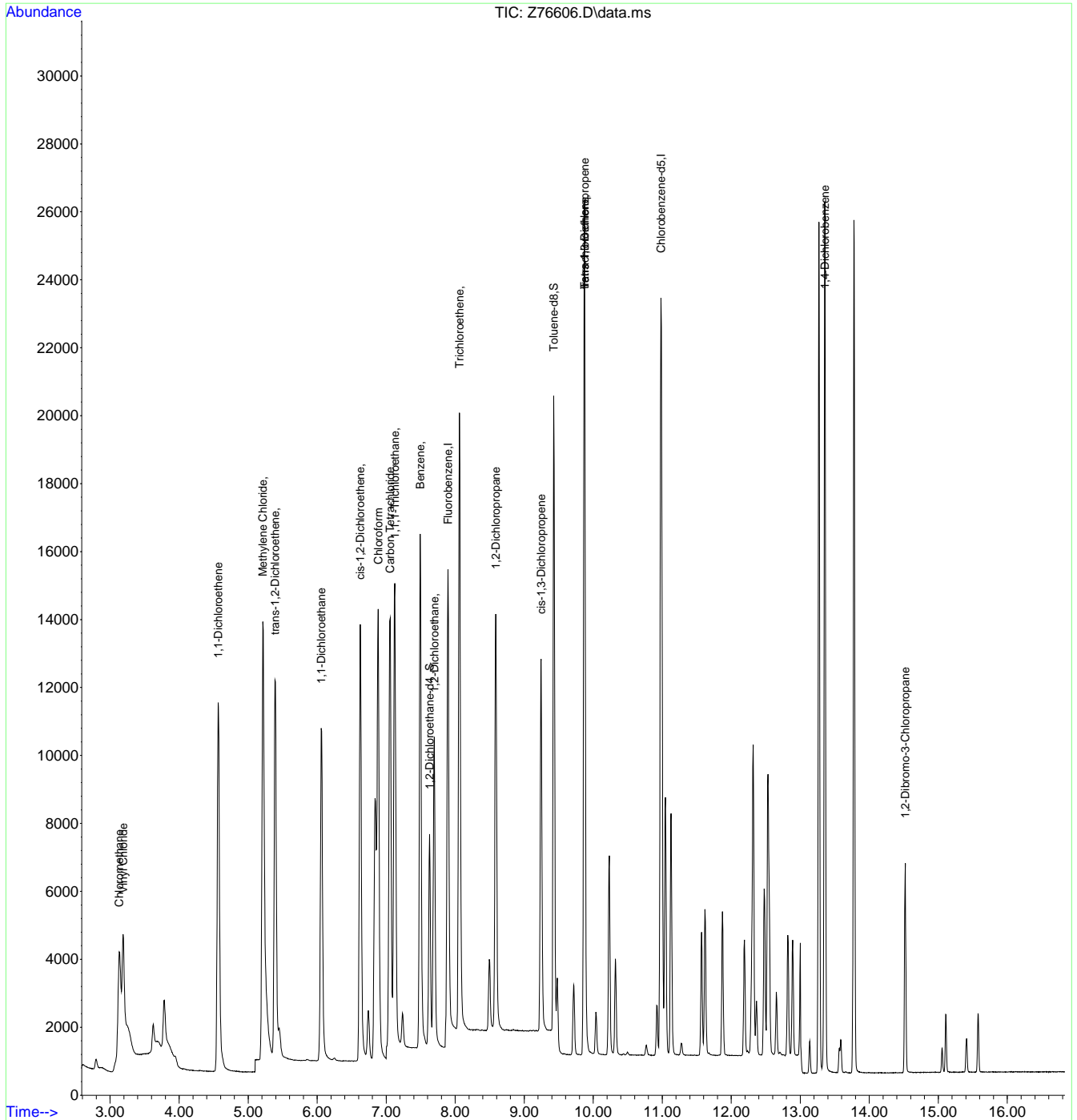
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\082824\
 Data File : Z76606.D
 Acq On : 28 Aug 2024 9:47 am
 Operator : claudias
 Sample : IC3084-4
 Misc : MS57344,VZ3084,,,,,
 ALS Vial : 6 Sample Multiplier: 1

Inst : MSVOA15-Z

Quant Time: Aug 28 10:16:43 2024
 Quant Method : C:\msdchem\1\methods\SIMCL-08-26-2024.M
 Quant Title : Standard Methods 6200B
 QLast Update : Mon Aug 26 13:08:06 2024
 Response via : Initial Calibration



7.6.25
7



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\082824\
 Data File : Z76607.D
 Acq On : 28 Aug 2024 10:10 am
 Operator : claudias
 Sample : ICC3084-5 Inst : MSVOA15-Z
 Misc : MS57344,VZ3084,,,,,
 ALS Vial : 7 Sample Multiplier: 1

Quant Time: Aug 28 10:28:32 2024
 Quant Method : C:\msdchem\1\methods\SIMCL-08-26-2024.M
 Quant Title : Standard Methods 6200B
 QLast Update : Mon Aug 26 13:08:06 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	

Internal Standards							
1) Fluorobenzene	7.894	96	18387	5.00	ug/L	0.00	
18) Chlorobenzene-d5	10.980	117	18425	5.00	ug/L	0.00	
System Monitoring Compounds							
13) 1,2-Dichloroethane-d4	7.628	65	5426	3.44	ug/L	0.00	
Spiked Amount	5.000	Range 74 - 125	Recovery	=	68.80%#		
19) Toluene-d8	9.428	98	20516	6.86	ug/L	0.00	
Spiked Amount	5.000	Range 88 - 111	Recovery	=	137.20%#		
Target Compounds							
							Qvalue
2) Vinyl Chloride	3.188	62	17613	8.06	ug/L		100
3) Chloromethane	3.133	50	20236	6.92	ug/L		98
4) 1,1-Dichloroethene	4.566	61	19367	7.06	ug/L		98
5) Methylene Chloride	5.213	49	22107	6.25	ug/L		96
6) trans-1,2-Dichloroethene	5.389	61	18666	6.95	ug/L		96
7) 1,1-Dichloroethane	6.059	63	24610	6.86	ug/L		100
8) cis-1,2-Dichloroethene	6.625	96	15116	8.15	ug/L		95
9) Chloroform	6.883	83	27829	7.23	ug/L		97
10) Carbon Tetrachloride	7.058	117	20386	7.64	ug/L		98
11) 1,1,1-Trichloroethane	7.126	97	22799	7.57	ug/L		97
12) Benzene	7.492	78	49059	8.72	ug/L		95
14) 1,2-Dichloroethane	7.696	62	18289	6.98	ug/L		95
15) Trichloroethene	8.060	95	13705	8.12	ug/L		92
16) 1,2-Dichloropropane	8.588	63	13638	8.22	ug/L		93
17) cis-1,3-Dichloropropene	9.246	75	21468	12.03	ug/L		96
20) trans-1,3-Dichloropropene	9.874	75	19329	12.60	ug/L		94
21) Tetrachloroethene	9.874	166	13326	8.74	ug/L #		94
22) 1,4-Dichlorobenzene	13.354	146	31554	9.05	ug/L		95
23) 1,2-Dibromo-3-Chloropr...	14.517	75	4029	12.79	ug/L #		77

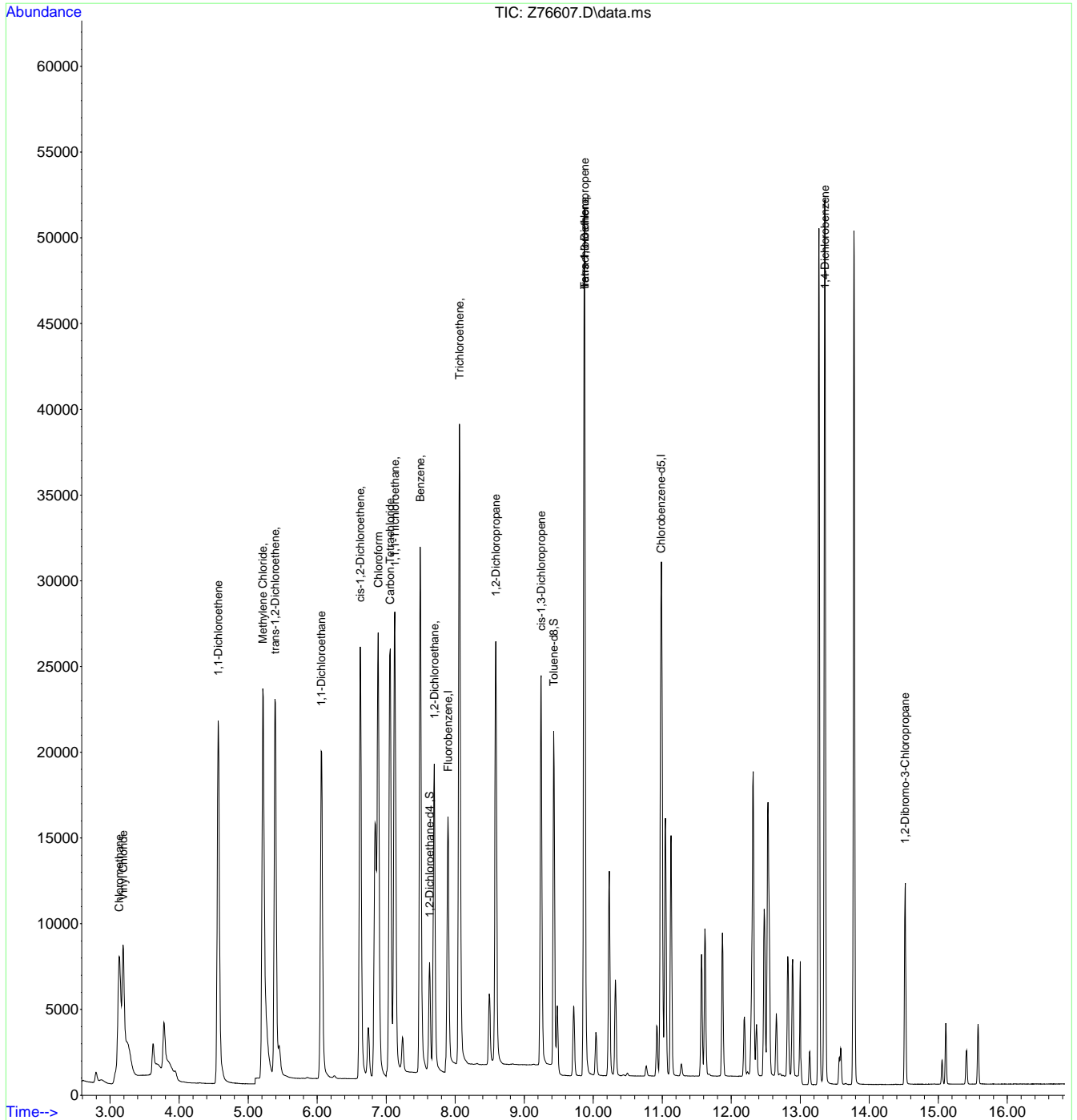
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\082824\
 Data File : Z76607.D
 Acq On : 28 Aug 2024 10:10 am
 Operator : claudias
 Sample : ICC3084-5
 Misc : MS57344,VZ3084,,,,,
 ALS Vial : 7 Sample Multiplier: 1

Inst : MSVOA15-Z

Quant Time: Aug 28 10:28:32 2024
 Quant Method : C:\msdchem\1\methods\SIMCL-08-26-2024.M
 Quant Title : Standard Methods 6200B
 QLast Update : Mon Aug 26 13:08:06 2024
 Response via : Initial Calibration



7.6.26
7



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\082824\
 Data File : Z76608.D
 Acq On : 28 Aug 2024 10:33 am
 Operator : claudias
 Sample : IC3084-6 Inst : MSVOA15-Z
 Misc : MS57344,VZ3084,,,,,
 ALS Vial : 8 Sample Multiplier: 1

Quant Time: Aug 28 10:56:38 2024
 Quant Method : C:\msdchem\1\methods\SIMCL-08-26-2024.M
 Quant Title : Standard Methods 6200B
 QLast Update : Mon Aug 26 13:08:06 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	

Internal Standards							
1) Fluorobenzene	7.895	96	19075	5.00	ug/L	0.00	
18) Chlorobenzene-d5	10.981	117	18623	5.00	ug/L	0.00	
System Monitoring Compounds							
13) 1,2-Dichloroethane-d4	7.628	65	5553	3.40	ug/L	0.00	
Spiked Amount	5.000	Range 74 - 125	Recovery	=	68.00%#		
19) Toluene-d8	9.429	98	20707	6.85	ug/L	0.00	
Spiked Amount	5.000	Range 88 - 111	Recovery	=	137.00%#		
Target Compounds							
							Qvalue
2) Vinyl Chloride	3.188	62	25840	11.40	ug/L		100
3) Chloromethane	3.133	50	29834	9.84	ug/L		99
4) 1,1-Dichloroethene	4.562	61	29746	10.86	ug/L		97
5) Methylene Chloride	5.213	49	31859	9.27	ug/L		97
6) trans-1,2-Dichloroethene	5.389	61	28992	10.82	ug/L		98
7) 1,1-Dichloroethane	6.059	63	38212	10.82	ug/L		100
8) cis-1,2-Dichloroethene	6.625	96	23568	12.64	ug/L		97
9) Chloroform	6.883	83	42304	11.30	ug/L		98
10) Carbon Tetrachloride	7.051	117	31222	12.11	ug/L		99
11) 1,1,1-Trichloroethane	7.126	97	35849	12.13	ug/L		97
12) Benzene	7.493	78	78789	13.79	ug/L		95
14) 1,2-Dichloroethane	7.696	62	28511	11.10	ug/L		95
15) Trichloroethene	8.061	95	22084	12.79	ug/L		92
16) 1,2-Dichloropropane	8.588	63	21809	12.87	ug/L		92
17) cis-1,3-Dichloropropene	9.241	75	34624	17.63	ug/L		91
20) trans-1,3-Dichloropropene	9.874	75	31427	18.32	ug/L		94
21) Tetrachloroethene	9.874	166	20947	13.52	ug/L #		94
22) 1,4-Dichlorobenzene	13.354	146	49500	14.00	ug/L		95
23) 1,2-Dibromo-3-Chloropr...	14.521	75	6212	19.22	ug/L		84

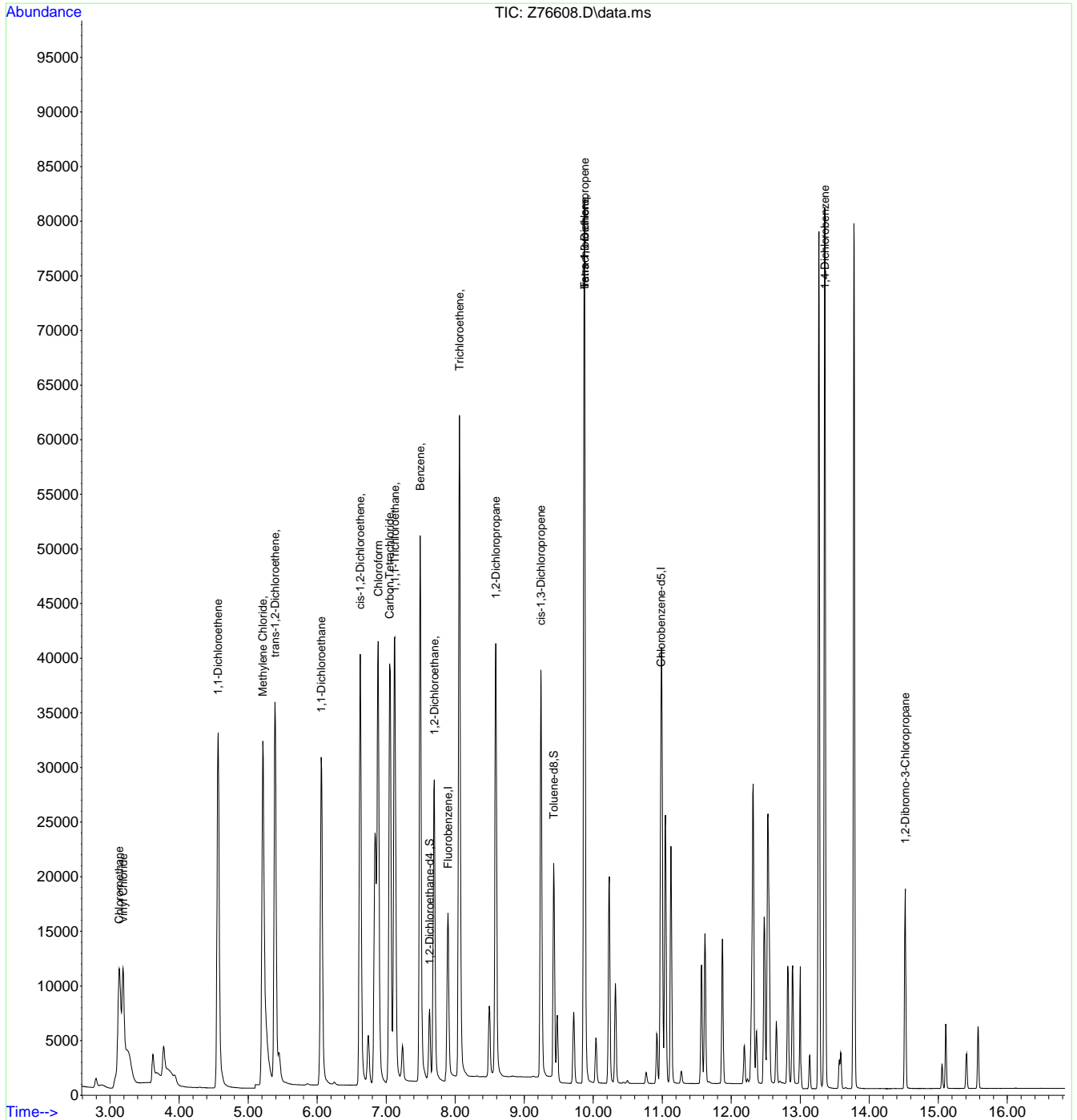
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\082824\
 Data File : Z76608.D
 Acq On : 28 Aug 2024 10:33 am
 Operator : claudias
 Sample : IC3084-6
 Misc : MS57344,VZ3084,,,,,
 ALS Vial : 8 Sample Multiplier: 1

Inst : MSVOA15-Z

Quant Time: Aug 28 10:56:38 2024
 Quant Method : C:\msdchem\1\methods\SIMCL-08-26-2024.M
 Quant Title : Standard Methods 6200B
 QLast Update : Mon Aug 26 13:08:06 2024
 Response via : Initial Calibration



7.6.27
7



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\082824\
 Data File : Z76609.D
 Acq On : 28 Aug 2024 10:57 am
 Operator : claudias
 Sample : IC3084-7 Inst : MSVOA15-Z
 Misc : MS57344,VZ3084,,,,,
 ALS Vial : 9 Sample Multiplier: 1

Quant Time: Aug 28 11:14:06 2024
 Quant Method : C:\msdchem\1\methods\SIMCL-08-26-2024.M
 Quant Title : Standard Methods 6200B
 QLast Update : Mon Aug 26 13:08:06 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Fluorobenzene	7.895	96	19854	5.00	ug/L	0.00
18) Chlorobenzene-d5	10.980	117	19130	5.00	ug/L	0.00
System Monitoring Compounds						
13) 1,2-Dichloroethane-d4	7.628	65	5670	3.33	ug/L	0.00
Spiked Amount	5.000	Range 74 - 125	Recovery	=	66.60%#	
19) Toluene-d8	9.428	98	21351	6.88	ug/L	0.00
Spiked Amount	5.000	Range 88 - 111	Recovery	=	137.60%#	
Target Compounds						
						Qvalue
2) Vinyl Chloride	3.188	62	34546	14.64	ug/L	99
3) Chloromethane	3.133	50	39712	12.58	ug/L	99
4) 1,1-Dichloroethene	4.566	61	38127	13.78	ug/L	99
5) Methylene Chloride	5.213	49	39652	11.72	ug/L	97
6) trans-1,2-Dichloroethene	5.389	61	37250	13.77	ug/L	97
7) 1,1-Dichloroethane	6.059	63	49250	13.99	ug/L	100
8) cis-1,2-Dichloroethene	6.625	96	30314	15.99	ug/L	97
9) Chloroform	6.883	83	53897	14.61	ug/L	98
10) Carbon Tetrachloride	7.051	117	39942	15.86	ug/L	98
11) 1,1,1-Trichloroethane	7.126	97	45992	15.65	ug/L	97
12) Benzene	7.492	78	103044	17.62	ug/L	95
14) 1,2-Dichloroethane	7.696	62	36685	14.40	ug/L	95
15) Trichloroethene	8.061	95	28743	16.16	ug/L	92
16) 1,2-Dichloropropane	8.588	63	28227	16.20	ug/L	93
17) cis-1,3-Dichloropropene	9.246	75	44988	21.23	ug/L	96
20) trans-1,3-Dichloropropene	9.869	75	41051	21.96	ug/L	93
21) Tetrachloroethene	9.874	166	27204	17.02	ug/L #	94
22) 1,4-Dichlorobenzene	13.354	146	63291	17.40	ug/L	95
23) 1,2-Dibromo-3-Chloropr...	14.517	75	7993	23.82	ug/L #	77

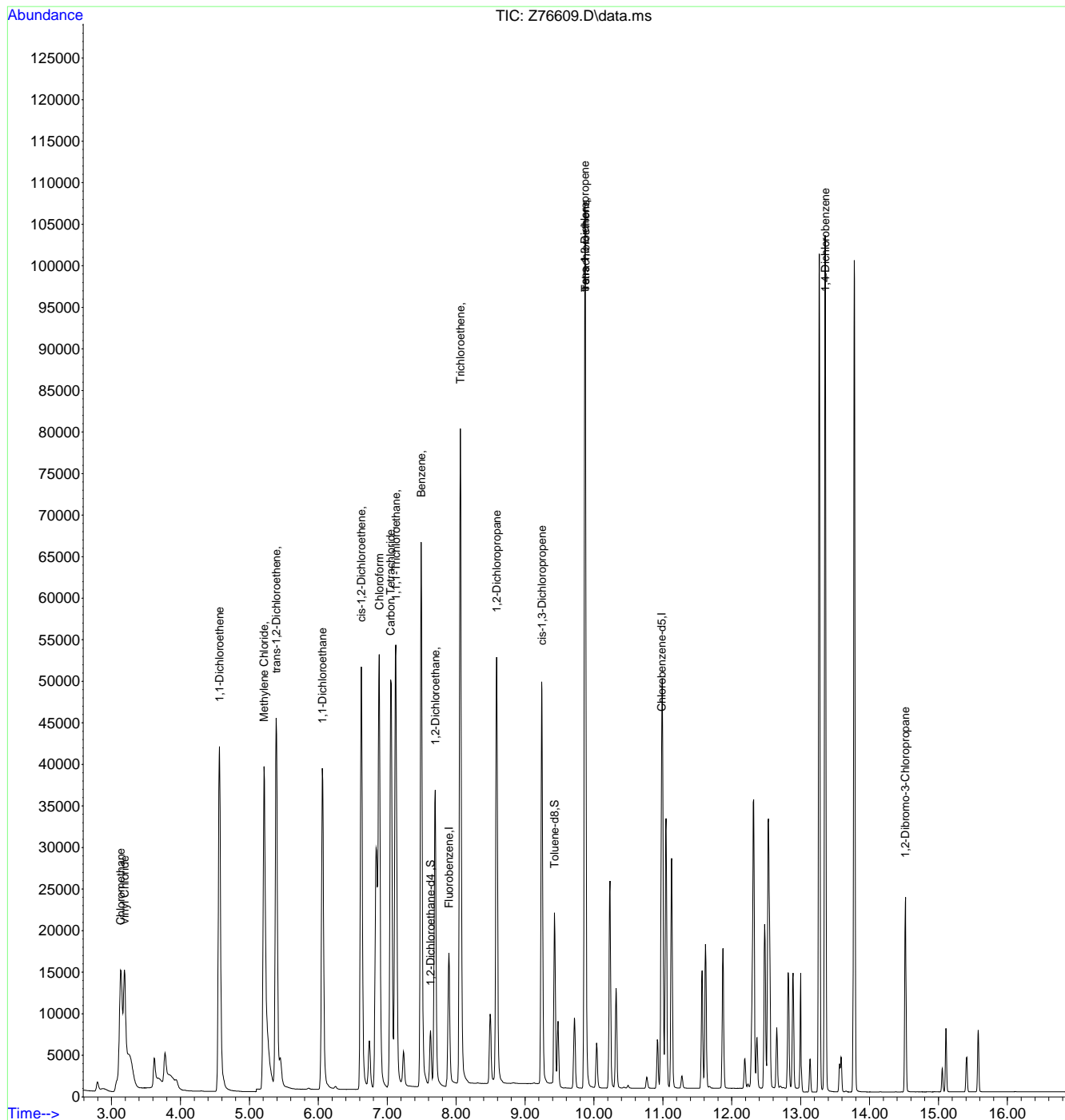
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\082824\
 Data File : Z76609.D
 Acq On : 28 Aug 2024 10:57 am
 Operator : claudias
 Sample : IC3084-7
 Misc : MS57344,VZ3084,,,,,
 ALS Vial : 9 Sample Multiplier: 1

Inst : MSVOA15-Z

Quant Time: Aug 28 11:14:06 2024
 Quant Method : C:\msdchem\1\methods\SIMCL-08-26-2024.M
 Quant Title : Standard Methods 6200B
 QLast Update : Mon Aug 26 13:08:06 2024
 Response via : Initial Calibration



7.6.28
7



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\082824\
 Data File : Z76611.D
 Acq On : 28 Aug 2024 11:43 am
 Operator : claudias
 Sample : icv3084-5 Inst : MSVOA15-Z
 Misc : MS57344,VZ3084,,,,,
 ALS Vial : 11 Sample Multiplier: 1

Quant Time: Aug 28 12:04:53 2024
 Quant Method : C:\msdchem\1\methods\SIMCL-08-28-2024.M
 Quant Title : Standard Methods 6200B
 QLast Update : Wed Aug 28 11:30:23 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	

Internal Standards							
1) Fluorobenzene	7.895	96	19205	5.00	ug/L	0.00	
18) Chlorobenzene-d5	10.980	117	19116	5.00	ug/L	0.00	
System Monitoring Compounds							
13) 1,2-Dichloroethane-d4	7.628	65	5603	4.82	ug/L	0.00	
Spiked Amount	5.000	Range 74 - 125	Recovery	=	96.40%		
19) Toluene-d8	9.428	98	21232	4.98	ug/L	0.00	
Spiked Amount	5.000	Range 88 - 111	Recovery	=	99.60%		
Target Compounds							
							Qvalue
2) Vinyl Chloride	3.188	62	15478	8.26	ug/L		99
3) Chloromethane	3.133	50	17429	8.15	ug/L		98
4) 1,1-Dichloroethene	4.566	61	21016	10.15	ug/L		99
5) Methylene Chloride	5.213	49	24313	10.02	ug/L		97
6) trans-1,2-Dichloroethene	5.389	61	20777	10.43	ug/L		98
7) 1,1-Dichloroethane	6.059	63	26656	10.76	ug/L		100
8) cis-1,2-Dichloroethene	6.625	96	16641	10.30	ug/L		97
9) Chloroform	6.883	83	30040	9.93	ug/L		98
10) Carbon Tetrachloride	7.051	117	22215	9.92	ug/L		98
11) 1,1,1-Trichloroethane	7.126	97	25363	10.21	ug/L		97
12) Benzene	7.492	78	54941	9.87	ug/L		95
14) 1,2-Dichloroethane	7.696	62	20330	10.40	ug/L		95
15) Trichloroethene	8.061	95	15602	10.63	ug/L		92
16) 1,2-Dichloropropane	8.588	63	15371	10.07	ug/L		93
17) cis-1,3-Dichloropropene	9.240	75	23259	10.10	ug/L		90
20) trans-1,3-Dichloropropene	9.874	75	19446	9.42	ug/L		94
21) Tetrachloroethene	9.874	166	14896	10.51	ug/L #		93
22) 1,4-Dichlorobenzene	13.354	146	34574	10.64	ug/L		95
23) 1,2-Dibromo-3-Chloropr...	14.520	75	4363	10.15	ug/L		83

(#) = qualifier out of range (m) = manual integration (+) = signals summed



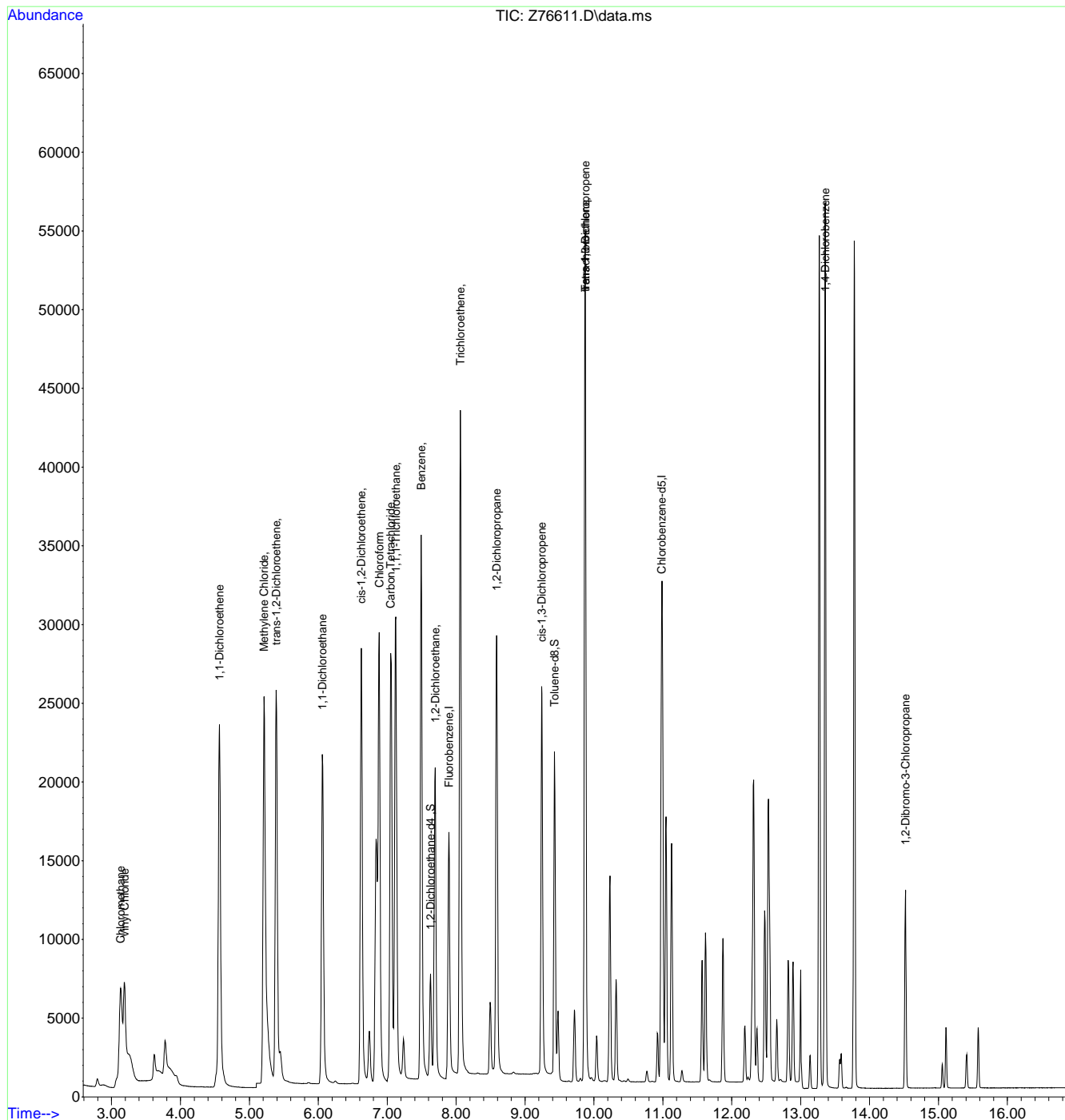
7.6.29
7

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\082824\
 Data File : Z76611.D
 Acq On : 28 Aug 2024 11:43 am
 Operator : claudias
 Sample : icv3084-5
 Misc : MS57344,VZ3084,,,,,
 ALS Vial : 11 Sample Multiplier: 1

Inst : MSVOA15-Z

Quant Time: Aug 28 12:04:53 2024
 Quant Method : C:\msdchem\1\methods\SIMCL-08-28-2024.M
 Quant Title : Standard Methods 6200B
 QLast Update : Wed Aug 28 11:30:23 2024
 Response via : Initial Calibration



7.6.29
7



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\082824\
 Data File : Z76613.D
 Acq On : 28 Aug 2024 12:48 pm
 Operator : claudias
 Sample : cc3084-5 Inst : MSVOA15-Z
 Misc : MS57344,VZ3085,,,,,
 ALS Vial : 2 Sample Multiplier: 1

Quant Time: Aug 28 13:08:13 2024
 Quant Method : C:\msdchem\1\methods\SIMCL-08-28-2024.M
 Quant Title : Standard Methods 6200B
 QLast Update : Wed Aug 28 11:30:23 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	

Internal Standards							
1) Fluorobenzene	7.894	96	19395	5.00	ug/L	0.00	
18) Chlorobenzene-d5	10.980	117	19594	5.00	ug/L	0.00	
System Monitoring Compounds							
13) 1,2-Dichloroethane-d4	7.628	65	5742	4.89	ug/L	0.00	
Spiked Amount	5.000	Range 74 - 125	Recovery	=	97.80%		
19) Toluene-d8	9.428	98	21661	4.96	ug/L	0.00	
Spiked Amount	5.000	Range 88 - 111	Recovery	=	99.20%		
Target Compounds							
							Qvalue
2) Vinyl Chloride	3.188	62	17849	9.55	ug/L		100
3) Chloromethane	3.133	50	20293	9.51	ug/L		99
4) 1,1-Dichloroethene	4.561	61	20495	9.76	ug/L		98
5) Methylene Chloride	5.213	49	24152	9.81	ug/L		99
6) trans-1,2-Dichloroethene	5.389	61	20105	9.95	ug/L		99
7) 1,1-Dichloroethane	6.059	63	26199	10.47	ug/L		100
8) cis-1,2-Dichloroethene	6.625	96	16148	9.86	ug/L		98
9) Chloroform	6.883	83	29073	9.46	ug/L		99
10) Carbon Tetrachloride	7.051	117	21137	9.26	ug/L		99
11) 1,1,1-Trichloroethane	7.119	97	24458	9.70	ug/L		96
12) Benzene	7.492	78	53376	9.49	ug/L		94
14) 1,2-Dichloroethane	7.689	62	19483	9.81	ug/L		93
15) Trichloroethene	8.060	95	14829	9.97	ug/L		93
16) 1,2-Dichloropropane	8.588	63	14778	9.59	ug/L		93
17) cis-1,3-Dichloropropene	9.240	75	23243	9.99	ug/L		91
20) trans-1,3-Dichloropropene	9.874	75	21051	9.95	ug/L		94
21) Tetrachloroethene	9.874	166	14183	9.73	ug/L #		94
22) 1,4-Dichlorobenzene	13.354	146	33245	9.98	ug/L		94
23) 1,2-Dibromo-3-Chloropr...	14.520	75	4331	9.81	ug/L		81

(#) = qualifier out of range (m) = manual integration (+) = signals summed



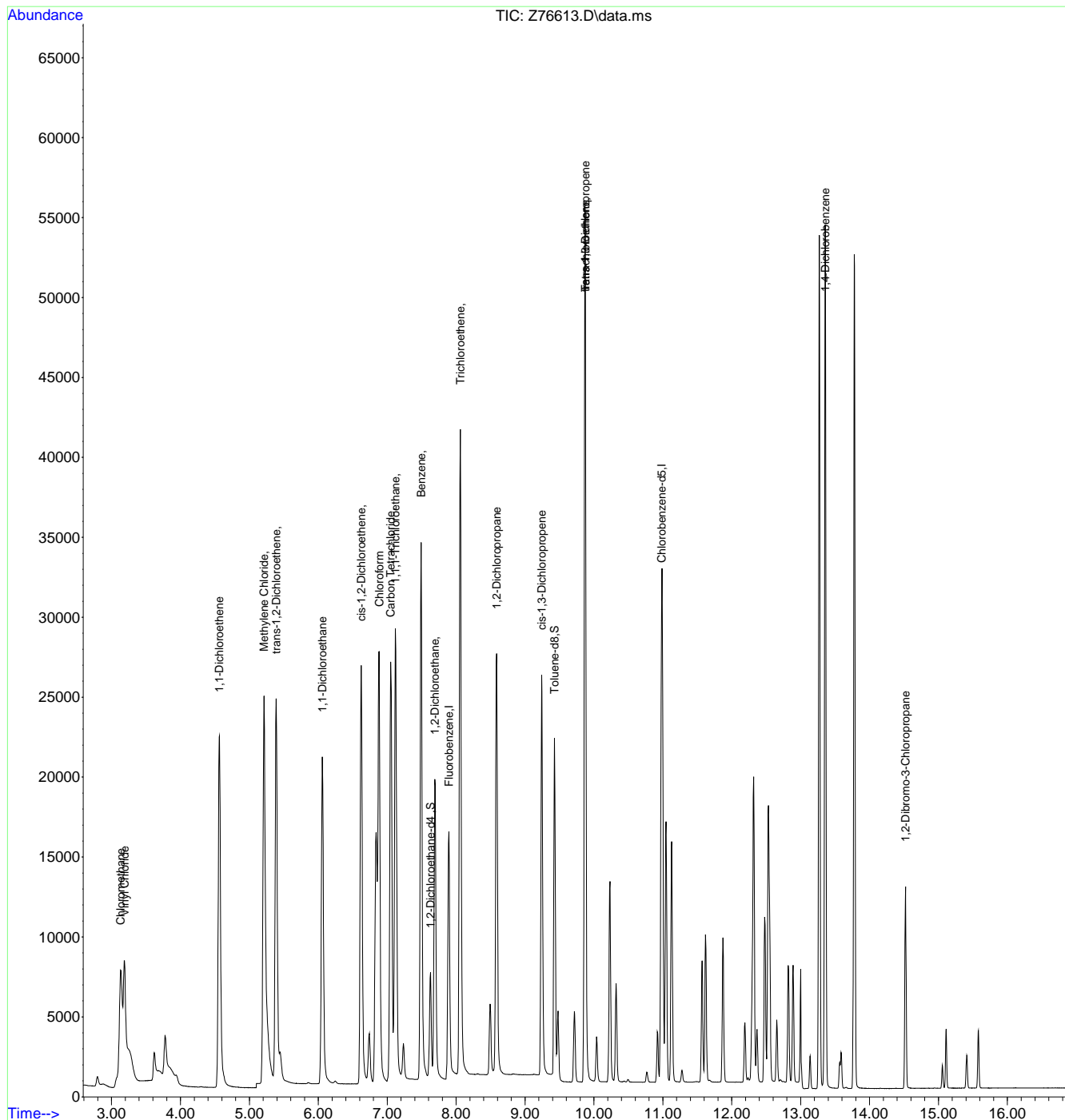
7.6.30
7

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\082824\
 Data File : Z76613.D
 Acq On : 28 Aug 2024 12:48 pm
 Operator : claudias
 Sample : cc3084-5
 Misc : MS57344,VZ3085,,,,,
 ALS Vial : 2 Sample Multiplier: 1

Inst : MSVOA15-Z

Quant Time: Aug 28 13:08:13 2024
 Quant Method : C:\msdchem\1\methods\SIMCL-08-28-2024.M
 Quant Title : Standard Methods 6200B
 QLast Update : Wed Aug 28 11:30:23 2024
 Response via : Initial Calibration



7.6.30
7



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\082824\
 Data File : Z76639.D
 Acq On : 28 Aug 2024 11:24 pm
 Operator : claudias
 Sample : ecc3084-5 Inst : MSVOA15-Z
 Misc : MS57380,VZ3085,,,,,
 ALS Vial : 28 Sample Multiplier: 1

Quant Time: Aug 29 06:24:48 2024
 Quant Method : C:\msdchem\1\methods\SIMCL-08-28-2024.M
 Quant Title : Standard Methods 6200B
 QLast Update : Wed Aug 28 11:30:23 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	

Internal Standards							
1) Fluorobenzene	7.895	96	21550	5.00	ug/L	0.00	
18) Chlorobenzene-d5	10.981	117	22349	5.00	ug/L	0.00	
System Monitoring Compounds							
13) 1,2-Dichloroethane-d4	7.628	65	6682	5.12	ug/L	0.00	
Spiked Amount	5.000	Range 74 - 125	Recovery	=	102.40%		
19) Toluene-d8	9.429	98	24218	4.86	ug/L	0.00	
Spiked Amount	5.000	Range 88 - 111	Recovery	=	97.20%		
Target Compounds							
							Qvalue
2) Vinyl Chloride	3.184	62	20236	9.77	ug/L		99
3) Chloromethane	3.129	50	23720	10.05	ug/L		99
4) 1,1-Dichloroethene	4.562	61	23539	10.13	ug/L		97
5) Methylene Chloride	5.213	49	35077	14.17	ug/L		97
6) trans-1,2-Dichloroethene	5.389	61	22662	10.11	ug/L		98
7) 1,1-Dichloroethane	6.059	63	30259	10.88	ug/L		100
8) cis-1,2-Dichloroethene	6.625	96	18060	9.93	ug/L		96
9) Chloroform	6.883	83	32150	9.40	ug/L		98
10) Carbon Tetrachloride	7.051	117	22817	8.96	ug/L		99
11) 1,1,1-Trichloroethane	7.119	97	27109	9.67	ug/L		95
12) Benzene	7.493	78	60139	9.63	ug/L		95
14) 1,2-Dichloroethane	7.696	62	22439	10.21	ug/L		94
15) Trichloroethene	8.061	95	16080	9.72	ug/L		91
16) 1,2-Dichloropropane	8.588	63	16805	9.81	ug/L		93
17) cis-1,3-Dichloropropene	9.246	75	24464	9.44	ug/L		95
20) trans-1,3-Dichloropropene	9.874	75	21973	9.11	ug/L		93
21) Tetrachloroethene	9.874	166	14858	8.91	ug/L #		93
22) 1,4-Dichlorobenzene	13.354	146	35790	9.42	ug/L		94
23) 1,2-Dibromo-3-Chloropr...	14.517	75	4589	9.07	ug/L #		73

(#) = qualifier out of range (m) = manual integration (+) = signals summed

7.6.31
7

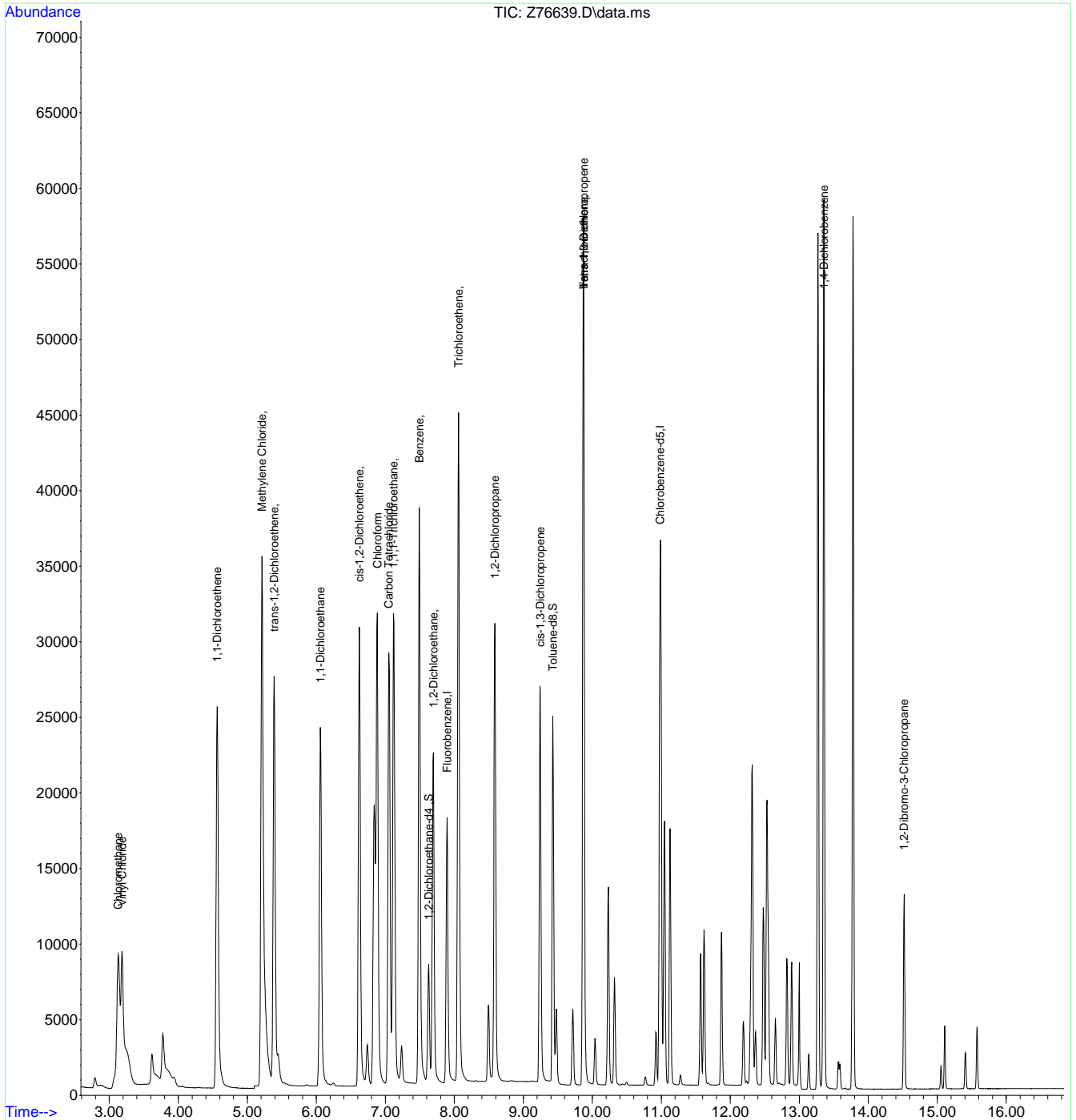


Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\082824\
 Data File : Z76639.D
 Acq On : 28 Aug 2024 11:24 pm
 Operator : claudias
 Sample : ecc3084-5
 Misc : MS57380,VZ3085,,,,,
 ALS Vial : 28 Sample Multiplier: 1

Inst : MSVOA15-Z

Quant Time: Aug 29 06:24:48 2024
 Quant Method : C:\msdchem\1\methods\SIMCL-08-28-2024.M
 Quant Title : Standard Methods 6200B
 QLast Update : Wed Aug 28 11:30:23 2024
 Response via : Initial Calibration



7.6.31
7



SGS -ORLANDO

VOA-GCMS ANALYSIS LOG

Instrument:	MS-VOA8-N
Date:	08/20/2024
Analyst:	Jenifer W
Column Type	RTX/MS
Detector	5975C-MSD
Purge Pressure	
Purge Volume	5mL

Method(s):	SIMCL
Method File:	SIMCL_VN6705_08202024.M
Calibration Date:	08/20/2024
Acq. Method:	ACQ_SIMCLB
EM Voltage:	1353V
Run ID:	VN6705

BFB:	VS4050
ICAL/CC:	VS4168, VS4175
ICV/BS:	VS4167, VS4176
ISTD/Surr.:	VS4180

pH Paper Lot#:	230320A/211623A
KI Paper Lot#:	14-860 03/13/23
AFA Lot#:	VS3860
Data processed by:	Jenifer W
Sample ID Ver. by:	Jenifer W
Date Verified:	08/20/2024

Data File	Sample ID	Dilution Factor	Vial #	Matrix	A.S. Pos.	Work Group	pH	CI? (V/N)	RR	Comments and Manually Integrated Peaks (Peak # and Rational)
N0132197	BFB	-	-	Water	1	-	-	-	-	10uL→40mL Autolind Tune Passed
N0132198	IC6705-1	-	-	Water	2	-	-	-	-	1uL→100mL MP#2; High recoveries. Re-prep and analyze
N0132199	IC6705-2	-	-	Water	3	-	-	-	-	5uL→100mL MP#23; High recoveries. Re-prep and analyze
N0132200	IC6705-3	-	-	Water	4	-	-	-	-	10uL→50mL MP#23 ✓
N0132201	IC6705-4	-	-	Water	5	-	-	-	-	25uL→50mL ✓
N0132202	IC6705-5	-	-	Water	6	-	-	-	-	50uL→50mL ✓
N0132203	IC6705-6	-	-	Water	7	-	-	-	-	75uL→50mL ✓
N0132204	IC6705-7	-	-	Water	8	-	-	-	-	100uL→50mL ✓
N0132205	rinse	-	-	Water	9	-	-	-	-	
N0132206	rinse	-	-	Water	10	-	-	-	-	
N0132207	IC6705-1	-	-	Water	11	-	-	-	-	1uL→100mL ✓
N0132208	IC6705-2	-	-	Water	12	-	-	-	-	5uL→100mL MP#23 ✓
N0132209	ICV6705-5	-	-	Water	13	-	-	-	-	50uL→50mL ✓

Matrix: Designate "W" for Water, "S" for soil, "O" for Oil, "L" for Non-aqueous Liquid, and "TCLP" or "SPLP" for Leachate
 Manual Integration Rational SOP QA029: MP Missed Peak, OP Overlapping Peak, SP Split Peak, PDB Poorly Defined Baseline, BR Baseline Ripple, PII Poor Instrument

SGS -ORLANDO

VOA-GCMS ANALYSIS LOG

Instrument:	MS-VOAB-N
Date:	08/26/2024
Analyst:	Jennifer W
Column Type	RTX/MS
Detector	5975C-MSD
Purge Pressure	
Purge Volume	5mL

Method(s):	SIMCL
Method File:	SIMCL_VN6705_08202024.M
Calibration Date:	08/20/2024
Acq. Method:	ACQ_SIMCLb
EM Voltage:	1353V
Run ID:	VN6708

BFB:	VS4050
ICAL/CC:	, VS4183, VS4184
ICV/BS:	, VS4167, VS4187
ISTD/Surr.:	VS4180
Data processed by:	Jennifer W
Sample ID Ver. by:	Jennifer W
Date Verified:	08/26/2024

Data File	Sample ID	Dilution Factor	Vial #	Matrix	A.S. Pos.	Work Group	pH	CI? (Y/N)	RR	Comments and Manually Integrated Peaks (Peak # and Rational)
N0132251	BFB	-	-	Water	1	-	-	-	-	10uL→40mL Autotune Passed
N0132252	CC6705-5	-	-	Water	2	-	-	-	-	50uL→50mL ✓
N0132253	BS	-	-	Water	3	-	-	-	-	25uL→50mL ✓
N0132254	rinse	-	-	Water	4	-	-	-	-	
N0132255	MB	-	-	Water	5	-	-	-	-	ND✓
N0132256	FC18261-1	-	1	Water	6	MSS7355	1	N	-	PBL#9 ✓
N0132257	FC18259-1	-	1	Water	7	MSS7355	1	N	-	✓
N0132258	FC18259-2	-	1	Water	8	MSS7355	1	N	-	✓
N0132259	FC18259-3	-	1	Water	9	MSS7355	1	N	-	✓
N0132260	FC18259-4	-	1	Water	10	MSS7355	1	N	-	PBL#9 ✓
N0132261	FC18261-2	-	1	Water	11	MSS7355	1	N	-	PBL#9 ✓
N0132262	FC18261-3	-	1	Water	12	MSS7355	1	N	-	PBL#9 ✓
N0132263	FC18261-4	-	1	Water	13	MSS7355	1	N	-	PBL#9 ✓
N0132264	FC18261-5	-	1	Water	14	MSS7355	1	N	-	PBL#9 ✓
N0132265	FC18261-6	-	1	Water	15	MSS7355	1	N	-	PBL#9 ✓
N0132266	FC18261-7	-	1	Water	16	MSS7355	1	N	-	PBL#9 ✓
N0132267	FC18261-8	-	1	Water	17	MSS7355	1	N	-	PBL#9 ✓
N0132268	FC18261-9	-	1	Water	18	MSS7355	1	N	-	
N0132269	FC18261-10	-	1	Water	19	MSS7355	1	N	-	✓
N0132270	FC18261-11	-	1	Water	20	MSS7355	1	N	-	✓
N0132271	FC18261-12	-	1	Water	21	MSS7355	1	N	-	✓
N0132272	FC18261-13	-	1	Water	22	MSS7355	1	N	-	✓
N0132273	FC18261-14	-	1	Water	23	MSS7355	1	N	-	✓
N0132274	FC18261-15	-	1	Water	24	MSS7355	1	N	-	✓
N0132275	FC18261-16	-	1	Water	25	MSS7355	1	N	-	✓
N0132276	FC18259-1MS	5X	1	Water	26	MSS7355	1	N	-	20mL→100mL spike 50uL→100mL ✓
N0132277	FC18259-1MSD	5X	1	Water	27	MSS7355	1	N	-	20mL→100mL spike 50uL→100mL ✓
N0132278	ECC6705-5	-	-	Water	28	-	-	-	-	50uL→50mL ✓

Matrix: Designate "W" for Water, "S" for soil, "O" for Oil, "L" for Non-aqueous Liquid, and "TCLP" or "SPLP" for Leachate
 Manual Integration Rational SOP QA029: I/P Missed Peak, O/P Overlapping Peak, S/P Split Peak, PDB Priority Defined Baseline, BR Baseline Ripple, P/I Poor Instrument

SGS -ORLANDO

VOA-GCMS ANALYSIS LOG

Instrument:	MS-VOA8-N
Date:	08/29/2024
Analyst:	Jenifer W
Column Type	RTX/VMS
Detector	5975C-MSD
Purge Pressure	
Purge Volume	5mL

Method(s):	SIMCL
Method File:	SIMCL_VN6705_08202024.M
Calibration Date:	08/20/2024
Acq. Method:	ACQ_SIMCLb
EM Voltage:	1353V
Run ID:	VN6711

BF#:	VS4050
ICAL/CC:	, VS4183, VS4198
ICV/BS:	, VS4167, VS4199
ISTD/Surr.:	VS4180

pH Paper Lot#:	230320A/211623A
KI Paper Lot#:	14-860 03/13/23
AFA Lot#:	VS3860
Data processed by:	Jenifer W
Sample ID Ver. by:	Jenifer W
Date Verified:	08/29/2024

Data File	Sample ID	Dilution Factor	Vial #	Matrix	A.S. Pos.	Work Group	pH	Ci? (Y/N)	RR	Comments and Manually Integrated Peaks (Peak # and Rational)
N0132341	BFB	-	-	Water	1	-	-	-	-	10uL→40mL Autofind Tune Passed
N0132342	CC6705-5	-	-	Water	2	-	-	-	-	50uL→50mL ✓
N0132343	BS	-	-	Water	3	-	-	-	-	25uL→50mL ✓
N0132344	rinse	-	-	Water	4	-	-	-	-	
N0132345	MB	-	-	Water	5	-	-	-	-	ND✓
N0132346	FC18256-4	5X	2	Water	6	MS57382	1	N	-	10mL→50mL Ecombine PCE ✓
N0132347	FC18256-5	5X	2	Water	7	MS57382	1	N	-	10mL→50mL Ecombine PCE ✓
N0132348	FC18256-6	5X	2	Water	8	MS57382	1	N	-	10mL→50mL Ecombine PCE ✓
N0132349	FC18260-4	-	2	Water	9	MS57382	1	N	-	C12DCE only; PBL#9 ✓
N0132350	FC18260-6	-	2	Water	10	MS57382	1	N	-	C12DCE only; PBL#9 ✓
N0132351	FC18260-11	-	2	Water	11	MS57382	1	N	-	C12DCE only; PBL#9 ✓
N0132352	FC18260-13	-	2	Water	12	MS57382	1	N	-	C12DCE only✓
N0132354	FC18260-14	-	2	Water	13	MS57382	1	N	-	C12DCE only; PBL#9 ✓
N0132355	FC18260-16	-	2	Water	14	MS57382	1	N	-	C12DCE only; PBL#9 ✓
N0132356	FC18261-18	-	2	Water	15	MS57382	1	N	-	PBL#9 ✓
N0132357	FC18341-1	-	1	Water	16	MS57382	1	N	-	PBL#9 ✓
N0132358	FC18341-2	-	1	Water	17	MS57382	1	N	-	PBL#9 ✓
N0132359	FC18341-3	-	1	Water	18	MS57382	1	N	-	PBL#9 ✓
N0132360	FC18341-4	-	1	Water	19	MS57382	1	N	-	✓
N0132361	FC18341-5	-	1	Water	20	MS57382	1	N	-	PBL#9 ✓
N0132362	FC18341-6	-	1	Water	21	MS57382	1	N	-	PBL#9 ✓
N0132363	FC18341-7	-	1	Water	22	MS57382	1	N	-	PBL#9 ✓
N0132364	FC18341-8	-	1	Water	23	MS57382	1	N	-	PBL#9 ✓
N0132365	FC18341-9	-	1	Water	24	MS57382	1	N	-	PBL#9 ✓
N0132366	FC18341-10	-	1	Water	25	MS57382	1	N	-	✓
N0132367	FC18256-4MS	5X	1	Water	26	MS57382	1	N	-	20mL→100mL spike 50uL→100mL MP#23 ✓
N0132368	FC18256-4MSD	5X	1	Water	27	MS57382	1	N	-	20mL→100mL spike 50uL→100mL ✓
N0132369	ECC6705-5	-	-	Water	28	-	-	-	-	50uL→50mL ✓

Matrix: Designate "W" for Water "S" for soil, "O" for Oil, "Liq" for Non-aqueous Liquid, and "TCLP" or "SPLP" for Leachate
 Manual Integration Rational SOP 0A029: MP Missed Peak, OP Overlapping Peak, SP Split Peak, PDB Poorly Defined Baseline, BR Baseline Ripple, PI Poor Instrument



Instrument:	MS/VOA15-Z
Date:	08/26/2024
Analyst:	claudias
Column Type:	RTX/MS
Detector:	5975C-MSD
Purge Pressure	
Purge Volume	5ml

Method(s):	8260SIMCL
Method File:	SIMCL-08-21-2024.M
Calibration Date:	08/21/24
Acq. Method:	ACQ_SIMCLB.M
EM Voltage:	1452
Run ID:	VZ3083

BFB:	VS4150
ICAL/CC:	VS4183, VS4198
ICV/BS:	VS4167, VS4199
ISTD/Surr.:	VS4083

pH Paper Lot#:	230320A
KI Paper Lot#:	n/a
AFA Lot#:	n/a
Data processed by:	claudias
Sample ID Ver. by:	claudias
Date Verified:	8/26/2024 0:00

Data File	Sample ID	Dilution Factor	Vial #	Matrix	A.S. Pos.	Work Group	pH	CI? (Y/N)	RR	Comments and Manually Integrated Peaks (Peak # and Rational)
Z76574	BFB	-	-	W	1	-	-	-	-	10.5 µl- 40 ml; passed
Z76575	rinse	-	-	W	2	-	-	-	-	
Z76576	ic3083-1	-	-	W	3	-	-	-	-	1µl- 100 ml #23(MP), #9,#10,#11(Pil)
Z76577	ic3083-2	-	-	W	4	-	-	-	-	5µl- 100 ml #23(MP), #9,#10,#11(Pil)
Z76578	ic3083-3	-	-	W	5	-	-	-	-	10µl- 50 ml ✓
Z76579	ic3083-4	-	-	W	6	-	-	-	-	25µl- 50 ml ✓
Z76580	ic3083-5	-	-	W	7	-	-	-	-	50µl- 50 ml ✓
Z76581	ic3083-6	-	-	W	8	-	-	-	-	75µl- 50 ml ✓
Z76582	ic3083-7	-	-	W	9	-	-	-	-	100µl- 50 ml ✓
Z76583	rinse	-	-	W	10	-	-	-	-	
Z76584	icv3083-5	-	-	W	11	-	-	-	-	50µl- 50 ml error instrument
Z76585	icv3083-5	-	-	W	12	-	-	-	-	50µl- 50 ml ✓
Z76586	bs	-	-	W	13	-	-	-	-	25µl- 50 ml ✓
Z76587	rinse	-	-	W	14	-	-	-	-	
Z76588	mb	-	-	W	15	-	-	-	-	✓
Z76589	FC18261-19	1x	1	W	16	MS57364	1	N	-	✓
Z76590	FC18261-20	1x	1	W	17	MS57364	1	N	-	✓
Z76591	FC18153-14	1x	2	W	18	MS57364	1	N	-	✓
Z76592	FC18153-16	1x	3	W	19	MS57364	1	N	-	✓
Z76593	FC18153-17	2x	3	W	20	MS57364	1	N	-	✓
Z76594	FC18153-17	1x	2	W	21	MS57364	1	N	-	TCE OR, #9, #10(pil)
Z76595	FC18153-18	1x	2	W	22	MS57364	1	N	-	✓
Z76596	FC18261-17	1x	1	W	23	MS57364	1	N	-	✓ #9#10 (pil)
Z76597	FC18261-18	1x	1	W	24	MS57364	1	N	1x	r1x high surr 1.2 DCE DoD limit, #9,#10(pil)
Z76598	FC18153-14ms	5x	3	W	25	MS57364	1	N	-	20µl- 40 ml , 10ml-50ml ✓
Z76599	FC18153-14msd	5x	3	W	26	MS57364	1	N	-	20µl- 40 ml , 10ml-50ml ✓
Z76600	ecc3083-5	-	-	W	27	-	-	-	-	50µl- 50 ml ✓

Matrix: Designate "W" for Water, "S" for soil, "O" for Oil, "L" for Non-aqueous Liquid, and "TCLP" or "SPLP" for Leachate Manual Integration Rational SOP QA029: IIP Missed Peak, OP Overlapping Peak, SP Split Peak, PDB Poorly Defined Baseline, BR Baseline Ripple, PII Poor Instrument



SGS -ORLANDO

VOA-GCMS ANALYSIS LOG

Instrument:	MS/VOA15-Z
Date:	08/29/2024
Analyst:	claudias
Column Type	RTX/MS
Detector	5975C-MSD
Purge Pressure	
Purge Volume	5ml

Method(s):	8260SIMCL
Method File:	SIMCL-08-28-2024.M
Calibration Date:	08/28/24
Acq. Method:	ACQ_SIMCLB.M
EM Voltage:	1452
Run ID:	VZ3085

BFB:	VS4150
ICAL/CC:	, VS4183, VS4198
ICV/BS:	, VS4167, VS4199
ISTD/Surr.:	VS4083

pH Paper Lot#:	230320A
KI Paper Lot#:	n/a
AFA Lot#:	n/a
Data processed by:	claudias
Sample ID Ver. by:	claudias
Date Verified:	8/29/2024 0:00

Data File	Sample ID	Dilution Factor	Vial #	Matrix	A.S. Pos.	Work Group	pH	CI? (Y/N)	RR	Comments and Manually Integrated Peaks (Peak # and Rational)
Z76612	BFB	-	-	W	1	-	-	-	-	10.5 µl- 40 ml; passed
Z76613	cc3084-5	-	-	W	2	-	-	-	-	50µl- 50 ml
Z76614	BS	-	-	W	3	-	-	-	-	25µl- 50 ml
Z76615	rinse	-	-	W	4	-	-	-	-	
Z76616	Mb	-	-	W	5	-	-	-	-	✓
Z76617	FC-18258-4	1X	1	W	6	MS57380	1	N	-	✓
Z76618	FC-18258-5	1X	1	W	7	MS57380	1	N	-	✓
Z76619	fc18261-22	1X	1	W	8	MS57380	1	N	-	✓
Z76620	FC-18258-10	1X	1	W	9	MS57380	1	N	-	✓
Z76621	FC-18339-1	1X	1	W	10	MS57380	1	N	-	✓
Z76622	FC-18258-6	1X	2	W	11	MS57380	1	N	-	✓
Z76623	FC-18258-7	1X	2	W	12	MS57380	1	N	-	✓
Z76624	FC-18258-8	1X	1	W	13	MS57380	1	N	-	✓
Z76625	FC-18258-9	1X	1	W	14	MS57380	1	N	-	✓
Z76626	FC-18261-21	1X	1	W	15	MS57380	1	N	-	✓
Z76627	FC-18261-23	1X	3	W	16	MS57380	1	N	-	✓
Z76628	FC-18261-24	1X	1	W	17	MS57380	1	N	-	✓
Z76629	FC-18319-2	1X	1	W	18	MS57380	1	N	-	✓
Z76630	FC-18339-2	1X	1	W	19	MS57380	1	N	-	✓
Z76631	FC-18339-3	1X	1	W	20	MS57380	1	N	-	✓
Z76632	FC-18339-4	1X	1	W	21	MS57380	1	N	-	✓
Z76633	FC-18339-5	1X	1	W	22	MS57380	1	N	-	✓
Z76634	FC-18339-6	1X	1	W	23	MS57380	1	N	-	✓
Z76635	FC-18339-7	1X	1	W	24	MS57380	1	N	-	✓
Z76636	FC-18339-8	1X	1	W	25	MS57380	1	N	-	✓
Z76637	FC-18258-5MS	5X	2	W	26	MS57380	1	N	-	20µl- 40 ml 10ml-50 ml
Z76638	FC-18258-5MSD	5X	2	W	27	MS57380	1	N	-	20µl- 40 ml 10ml-50 ml
Z76639	ECC3084-5	-	-	W	28	-	-	-	-	50µl- 50 ml

Matrix: Designate "W" for Water, "S" for soil, "O" for Oil, "L" for Non-aqueous Liquid, and "TCLP" or "SPLP" for Leachate
 Manual Integration Rational SOP QA029: I/P Missed Peak, O/P Overlapping Peak, SP Split Peak, PDB Poorly Defined Baseline, BR Baseline Ripple, P/I Poor Instrument



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

e-Hardcopy 2.0
Automated Report

Technical Report for

Ahtna Global, LLC

Fort Ord Groundwater Monitoring

21187.001.01.0000(FFO 2024 Q3)OUCTP-Lower

SGS Job Number: FC18325

Sampling Date: 08/22/24



Report to:

Ahtna Global, LLC
9699 Blue Larkspur Lane Suite 203
Monterey, CA 93940
dlieberman@ahtna.net; mfisher@ahtna.net;
hdillon@ahtna.net; eschmidt@ahtna.net;
ATTN: Derek Lieberman

Total number of pages in report: **208**



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

Norm Farmer
Technical Director

Client Service contact: Elvin Kumar 407-425-6700

Certifications: FL(E83510), LA(03051), KS(E-10327), NC(573), NJ(FL002), NY(12022), SC(96038001)

DoD ELAP(ANAB L2229), AZ(AZ0806), CA(2937), TX(T104704404), PA(68-03573), VA(460177),

AL, AK, AR, CT, IA, KY, MA, MI, MS, ND, NH, NV, OK, OR, IL, UT, VT, WA, WI, WV

This report shall not be reproduced, except in its entirety, without the written approval of SGS.

Test results relate only to samples analyzed.

Table of Contents

-1-

Section 1: Sample Summary	3
Section 2: Case Narrative/Conformance Summary	5
Section 3: Summary of Hits	6
Section 4: Sample Results	8
4.1: FC18325-1: 2434W0BW221A	9
4.2: FC18325-2: 2434W0BW204C	10
4.3: FC18325-3: 2434W0BW164F	11
4.4: FC18325-4: 2434W0BW165F	12
4.5: FC18325-5: 2434W0BW166F	13
4.6: FC18325-6: 2434W0BW173D	14
4.7: FC18325-7: 2434W0BW167F	15
4.8: FC18325-8: 2434WOU2148F	16
4.9: FC18325-9: 2434W0BW170F	17
4.10: FC18325-10: 2434W0BW171F	18
4.11: FC18325-11: 2434W0BW190B	19
4.12: FC18325-12: 2434Y0BW216A	20
4.13: FC18325-13: 2434Z0BW178F	21
4.14: FC18325-14: 2434Z0BW179F	22
4.15: FC18325-15: 2434Y0BW199C	23
4.16: FC18325-16: 2434Z0BW177F	24
4.17: FC18325-17: 2434Z0BW225D	25
4.18: FC18325-18: 2434X0BW021F	26
Section 5: Misc. Forms	27
5.1: Chain of Custody	28
5.2: QC Evaluation: DOD QSM5.x Limits	33
Section 6: MS Volatiles - QC Data Summaries	35
6.1: Method Blank Summary	36
6.2: Blank Spike Summary	37
6.3: Matrix Spike/Matrix Spike Duplicate Summary	38
6.4: Instrument Performance Checks (BFB)	39
6.5: Internal Standard Area Summaries	41
6.6: Surrogate Recovery Summaries	42
6.7: Initial and Continuing Calibration Summaries	43
6.8: Run Sequence Reports	51
Section 7: MS Volatiles - Raw Data	53
7.1: Samples	54
7.2: Method Blanks	166
7.3: Blank Spikes	169
7.4: Matrix Spike/Matrix Spike Duplicates	171
7.5: Instrument Performance Checks (BFB)	175
7.6: Initial and Continuing Calibrations	177
7.7: Instrument Run Logs	207



Sample Summary

Ahtna Global, LLC

Job No: FC18325

Fort Ord Groundwater Monitoring

Project No: 21187.001.01.0000(FFO 2024 Q3)OUCTP-Lower

Sample Number	Collected		Received	Matrix		Client Sample ID
	Date	Time By		Code	Type	
FC18325-1	08/22/24	07:38	08/27/24	AQ	Trip Blank Water	2434W0BW221A
FC18325-2	08/22/24	07:43	08/27/24	AQ	Field Blank Water	2434W0BW204C
FC18325-3	08/22/24	08:16	08/27/24	AQ	Ground Water	2434W0BW164F
FC18325-4	08/22/24	08:30	08/27/24	AQ	Ground Water	2434W0BW165F
FC18325-5	08/22/24	08:45	08/27/24	AQ	Ground Water	2434W0BW166F
FC18325-6	08/22/24	08:50	08/27/24	AQ	Ground Water	2434W0BW173D
FC18325-7	08/22/24	09:00	08/27/24	AQ	Ground Water	2434W0BW167F
FC18325-8	08/22/24	09:42	08/27/24	AQ	Ground Water	2434WOU2148F
FC18325-9	08/22/24	10:38	08/27/24	AQ	Ground Water	2434W0BW170F
FC18325-10	08/22/24	11:14	08/27/24	AQ	Ground Water	2434W0BW171F
FC18325-11	08/22/24	11:23	08/27/24	AQ	Equipment Blank	2434W0BW190B
FC18325-12	08/22/24	07:05	08/27/24	AQ	Trip Blank Water	2434Y0BW216A
FC18325-13	08/22/24	07:30	08/27/24	AQ	Ground Water	2434Z0BW178F



Sample Summary

(continued)

Ahtna Global, LLC

Job No: FC18325

Fort Ord Groundwater Monitoring

Project No: 21187.001.01.0000(FFO 2024 Q3)OUCTP-Lower

Sample Number	Collected		Received	Matrix		Client Sample ID
	Date	Time By		Code	Type	
FC18325-14	08/22/24	07:40	08/27/24	AQ	Ground Water	2434Z0BW179F
FC18325-15	08/22/24	07:45	08/27/24	AQ	Field Blank Water	2434Y0BW199C
FC18325-16	08/22/24	08:15	08/27/24	AQ	Ground Water	2434Z0BW177F
FC18325-17	08/22/24	08:20	08/27/24	AQ	Ground Water	2434Z0BW225D
FC18325-18	08/22/24	07:47	08/27/24	AQ	Ground Water	2434X0BW021F

SAMPLE DELIVERY GROUP CASE NARRATIVE

2

Client: Ahtna Global, LLC

Job No: FC18325

Site: Fort Ord Groundwater Monitoring

Report Date: 9/4/2024 11:14:05 AM

On 08/27/2024, 13 Sample(s), 2 Trip Blank(s), 1 Equip. Blank(s) and 2 Field Blank(s) were received at SGS North America Inc - Orlando. at a maximum corrected temperature of 3.8 C. Samples were intact and chemically preserved, unless noted below. A SGS North America Inc. - Orlando Job Number of FC18325 was assigned to the project.

Laboratory sample ID, client sample ID and dates of sample collection are detailed in the report's Results Summary Section. Specified quality control criteria were achieved for this job except as noted below. For more information, please refer to the analytical results and QC summary pages.

MS Volatiles By Method SW846 8260D BY SIM

Matrix: AQ

Batch ID: VZ3088

All samples were analyzed within the recommended method holding time.

All method blanks for this batch meet method specific criteria.

Sample(s) FC18325-4MS, FC18325-4MSD were used as the QC samples indicated.

Matrix Spike Recovery(s) for 1,2-Dichloroethane are outside control limits. Probable cause is due to matrix interference.

SGS North America Inc. - Orlando certifies that data reported for samples received, listed on the associated custody chain or analytical task order, were produced to specifications meeting the Quality System precision, accuracy and completeness objectives except as noted. Estimated non-standard method measurement uncertainty data is available on request, based on quality control bias and implicit for standard methods. Acceptable uncertainty requires tested parameter quality control data to meet method criteria. SGS North America Inc.- Orlando is not responsible for data quality assumptions if partial reports are used and recommends that this report be used in its entirety.

Narrative prepared by:

Kim Benham, Report Generation (signature on file)

Summary of Hits

Job Number: FC18325
Account: Ahtna Global, LLC
Project: Fort Ord Groundwater Monitoring
Collected: 08/22/24



Lab Sample ID	Client Sample ID	Result/Qual	LOQ	LOD	Units	Method
---------------	------------------	-------------	-----	-----	-------	--------

FC18325-1 **2434W0BW221A**

No hits reported in this sample.

FC18325-2 **2434W0BW204C**

No hits reported in this sample.

FC18325-3 **2434W0BW164F**

Trichloroethylene	2.5	0.50	0.25	ug/l	SW846 8260D BY SIM
-------------------	-----	------	------	------	--------------------

FC18325-4 **2434W0BW165F**

Trichloroethylene	0.32 J	0.50	0.25	ug/l	SW846 8260D BY SIM
-------------------	--------	------	------	------	--------------------

FC18325-5 **2434W0BW166F**

Carbon Tetrachloride	0.98	0.50	0.25	ug/l	SW846 8260D BY SIM
----------------------	------	------	------	------	--------------------

FC18325-6 **2434W0BW173D**

Carbon Tetrachloride	1.6	0.50	0.25	ug/l	SW846 8260D BY SIM
----------------------	-----	------	------	------	--------------------

FC18325-7 **2434W0BW167F**

Trichloroethylene	0.12 J	0.50	0.25	ug/l	SW846 8260D BY SIM
-------------------	--------	------	------	------	--------------------

FC18325-8 **2434W0U2148F**

Trichloroethylene	0.16 J	0.50	0.25	ug/l	SW846 8260D BY SIM
-------------------	--------	------	------	------	--------------------

FC18325-9 **2434W0BW170F**

Trichloroethylene	0.56	0.50	0.25	ug/l	SW846 8260D BY SIM
-------------------	------	------	------	------	--------------------

FC18325-10 **2434W0BW171F**

No hits reported in this sample.

FC18325-11 **2434W0BW190B**

No hits reported in this sample.

Summary of Hits

Job Number: FC18325
Account: Ahtna Global, LLC
Project: Fort Ord Groundwater Monitoring
Collected: 08/22/24



Lab Sample ID	Client Sample ID	Result/ Qual	LOQ	LOD	Units	Method
---------------	------------------	-----------------	-----	-----	-------	--------

FC18325-12 2434Y0BW216A

No hits reported in this sample.

FC18325-13 2434Z0BW178F

Carbon Tetrachloride	0.14 J	0.50	0.25	ug/l	SW846 8260D BY SIM
Trichloroethylene	0.37 J	0.50	0.25	ug/l	SW846 8260D BY SIM

FC18325-14 2434Z0BW179F

Trichloroethylene	1.0	0.50	0.25	ug/l	SW846 8260D BY SIM
-------------------	-----	------	------	------	--------------------

FC18325-15 2434Y0BW199C

No hits reported in this sample.

FC18325-16 2434Z0BW177F

Carbon Tetrachloride	0.16 J	0.50	0.25	ug/l	SW846 8260D BY SIM
Trichloroethylene	1.2	0.50	0.25	ug/l	SW846 8260D BY SIM

FC18325-17 2434Z0BW225D

Carbon Tetrachloride	0.14 J	0.50	0.25	ug/l	SW846 8260D BY SIM
Trichloroethylene	1.2	0.50	0.25	ug/l	SW846 8260D BY SIM

FC18325-18 2434X0BW021F

Carbon Tetrachloride	0.33 J	0.50	0.25	ug/l	SW846 8260D BY SIM
----------------------	--------	------	------	------	--------------------

Sample Results

Report of Analysis

SGS North America Inc.

Report of Analysis

Page 1 of 1

Client Sample ID: 2434W0BW221A	
Lab Sample ID: FC18325-1	Date Sampled: 08/22/24
Matrix: AQ - Trip Blank Water	Date Received: 08/27/24
Method: SW846 8260D BY SIM	Percent Solids: n/a
Project: Fort Ord Groundwater Monitoring	

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	Z76701.D	1	09/03/24 09:49	CS	n/a	n/a	VZ3088
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA Special List

CAS No.	Compound	Result	LOQ	LOD	DL	Units	Q
56-23-5	Carbon Tetrachloride	0.25 U	0.50	0.25	0.10	ug/l	
107-06-2	1,2-Dichloroethane	0.25 U	0.50	0.25	0.10	ug/l	
79-01-6	Trichloroethylene	0.25 U	0.50	0.25	0.10	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
17060-07-0	1,2-Dichloroethane-D4	105%		74-125%
2037-26-5	Toluene-D8	94%		88-111%

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

4.1
 4

SGS North America Inc.

Report of Analysis

Page 1 of 1

Client Sample ID: 2434W0BW204C	
Lab Sample ID: FC18325-2	Date Sampled: 08/22/24
Matrix: AQ - Field Blank Water	Date Received: 08/27/24
Method: SW846 8260D BY SIM	Percent Solids: n/a
Project: Fort Ord Groundwater Monitoring	

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	Z76702.D	1	09/03/24 10:12	CS	n/a	n/a	VZ3088
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA Special List

CAS No.	Compound	Result	LOQ	LOD	DL	Units	Q
56-23-5	Carbon Tetrachloride	0.25 U	0.50	0.25	0.10	ug/l	
107-06-2	1,2-Dichloroethane	0.25 U	0.50	0.25	0.10	ug/l	
79-01-6	Trichloroethylene	0.25 U	0.50	0.25	0.10	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
17060-07-0	1,2-Dichloroethane-D4	113%		74-125%
2037-26-5	Toluene-D8	93%		88-111%

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

4.2
4

SGS North America Inc.

Report of Analysis

Page 1 of 1

Client Sample ID: 2434W0BW164F	
Lab Sample ID: FC18325-3	Date Sampled: 08/22/24
Matrix: AQ - Ground Water	Date Received: 08/27/24
Method: SW846 8260D BY SIM	Percent Solids: n/a
Project: Fort Ord Groundwater Monitoring	

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	Z76705.D	1	09/03/24 11:21	CS	n/a	n/a	VZ3088
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA Special List

CAS No.	Compound	Result	LOQ	LOD	DL	Units	Q
56-23-5	Carbon Tetrachloride	0.25 U	0.50	0.25	0.10	ug/l	
107-06-2	1,2-Dichloroethane	0.25 U	0.50	0.25	0.10	ug/l	
79-01-6	Trichloroethylene	2.5	0.50	0.25	0.10	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
17060-07-0	1,2-Dichloroethane-D4	108%		74-125%
2037-26-5	Toluene-D8	94%		88-111%

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

4.3
4

SGS North America Inc.

Report of Analysis

Page 1 of 1

Client Sample ID: 2434W0BW165F	
Lab Sample ID: FC18325-4	Date Sampled: 08/22/24
Matrix: AQ - Ground Water	Date Received: 08/27/24
Method: SW846 8260D BY SIM	Percent Solids: n/a
Project: Fort Ord Groundwater Monitoring	

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	Z76706.D	1	09/03/24 11:44	CS	n/a	n/a	VZ3088
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA Special List

CAS No.	Compound	Result	LOQ	LOD	DL	Units	Q
56-23-5	Carbon Tetrachloride	0.25 U	0.50	0.25	0.10	ug/l	
107-06-2	1,2-Dichloroethane	0.25 U	0.50	0.25	0.10	ug/l	
79-01-6	Trichloroethylene	0.32	0.50	0.25	0.10	ug/l	J

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
17060-07-0	1,2-Dichloroethane-D4	111%		74-125%
2037-26-5	Toluene-D8	94%		88-111%

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

4.4
 4

SGS North America Inc.

Report of Analysis

Page 1 of 1

Client Sample ID: 2434W0BW166F	
Lab Sample ID: FC18325-5	Date Sampled: 08/22/24
Matrix: AQ - Ground Water	Date Received: 08/27/24
Method: SW846 8260D BY SIM	Percent Solids: n/a
Project: Fort Ord Groundwater Monitoring	

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	Z76707.D	1	09/03/24 12:06	CS	n/a	n/a	VZ3088
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA Special List

CAS No.	Compound	Result	LOQ	LOD	DL	Units	Q
56-23-5	Carbon Tetrachloride	0.98	0.50	0.25	0.10	ug/l	
107-06-2	1,2-Dichloroethane	0.25 U	0.50	0.25	0.10	ug/l	
79-01-6	Trichloroethylene	0.25 U	0.50	0.25	0.10	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
17060-07-0	1,2-Dichloroethane-D4	110%		74-125%
2037-26-5	Toluene-D8	94%		88-111%

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

4.5
 4

SGS North America Inc.

Report of Analysis

Page 1 of 1

Client Sample ID: 2434W0BW173D	
Lab Sample ID: FC18325-6	Date Sampled: 08/22/24
Matrix: AQ - Ground Water	Date Received: 08/27/24
Method: SW846 8260D BY SIM	Percent Solids: n/a
Project: Fort Ord Groundwater Monitoring	

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	Z76708.D	1	09/03/24 12:29	CS	n/a	n/a	VZ3088
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA Special List

CAS No.	Compound	Result	LOQ	LOD	DL	Units	Q
56-23-5	Carbon Tetrachloride	1.6	0.50	0.25	0.10	ug/l	
107-06-2	1,2-Dichloroethane	0.25 U	0.50	0.25	0.10	ug/l	
79-01-6	Trichloroethylene	0.25 U	0.50	0.25	0.10	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
17060-07-0	1,2-Dichloroethane-D4	110%		74-125%
2037-26-5	Toluene-D8	94%		88-111%

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

4.6
 4

SGS North America Inc.

Report of Analysis

Page 1 of 1

Client Sample ID: 2434W0BW167F	
Lab Sample ID: FC18325-7	Date Sampled: 08/22/24
Matrix: AQ - Ground Water	Date Received: 08/27/24
Method: SW846 8260D BY SIM	Percent Solids: n/a
Project: Fort Ord Groundwater Monitoring	

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	Z76709.D	1	09/03/24 12:52	CS	n/a	n/a	VZ3088
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA Special List

CAS No.	Compound	Result	LOQ	LOD	DL	Units	Q
56-23-5	Carbon Tetrachloride	0.25 U	0.50	0.25	0.10	ug/l	
107-06-2	1,2-Dichloroethane	0.25 U	0.50	0.25	0.10	ug/l	
79-01-6	Trichloroethylene	0.12	0.50	0.25	0.10	ug/l	J

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
17060-07-0	1,2-Dichloroethane-D4	112%		74-125%
2037-26-5	Toluene-D8	94%		88-111%

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

4.7
 4

SGS North America Inc.

Report of Analysis

Page 1 of 1

Client Sample ID: 2434WOU2148F	
Lab Sample ID: FC18325-8	Date Sampled: 08/22/24
Matrix: AQ - Ground Water	Date Received: 08/27/24
Method: SW846 8260D BY SIM	Percent Solids: n/a
Project: Fort Ord Groundwater Monitoring	

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	Z76710.D	1	09/03/24 13:15	CS	n/a	n/a	VZ3088
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA Special List

CAS No.	Compound	Result	LOQ	LOD	DL	Units	Q
56-23-5	Carbon Tetrachloride	0.25 U	0.50	0.25	0.10	ug/l	
107-06-2	1,2-Dichloroethane	0.25 U	0.50	0.25	0.10	ug/l	
79-01-6	Trichloroethylene	0.16	0.50	0.25	0.10	ug/l	J

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
17060-07-0	1,2-Dichloroethane-D4	114%		74-125%
2037-26-5	Toluene-D8	94%		88-111%

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

4.8
 4

SGS North America Inc.

Report of Analysis

Page 1 of 1

Client Sample ID: 2434W0BW170F	
Lab Sample ID: FC18325-9	Date Sampled: 08/22/24
Matrix: AQ - Ground Water	Date Received: 08/27/24
Method: SW846 8260D BY SIM	Percent Solids: n/a
Project: Fort Ord Groundwater Monitoring	

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	Z76711.D	1	09/03/24 13:38	CS	n/a	n/a	VZ3088
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA Special List

CAS No.	Compound	Result	LOQ	LOD	DL	Units	Q
56-23-5	Carbon Tetrachloride	0.25 U	0.50	0.25	0.10	ug/l	
107-06-2	1,2-Dichloroethane	0.25 U	0.50	0.25	0.10	ug/l	
79-01-6	Trichloroethylene	0.56	0.50	0.25	0.10	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
17060-07-0	1,2-Dichloroethane-D4	114%		74-125%
2037-26-5	Toluene-D8	94%		88-111%

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

4.9
 4

SGS North America Inc.

Report of Analysis

Page 1 of 1

Client Sample ID: 2434W0BW171F	
Lab Sample ID: FC18325-10	Date Sampled: 08/22/24
Matrix: AQ - Ground Water	Date Received: 08/27/24
Method: SW846 8260D BY SIM	Percent Solids: n/a
Project: Fort Ord Groundwater Monitoring	

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	Z76712.D	1	09/03/24 14:01	CS	n/a	n/a	VZ3088
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA Special List

CAS No.	Compound	Result	LOQ	LOD	DL	Units	Q
56-23-5	Carbon Tetrachloride	0.25 U	0.50	0.25	0.10	ug/l	
107-06-2	1,2-Dichloroethane	0.25 U	0.50	0.25	0.10	ug/l	
79-01-6	Trichloroethylene	0.25 U	0.50	0.25	0.10	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
17060-07-0	1,2-Dichloroethane-D4	114%		74-125%
2037-26-5	Toluene-D8	94%		88-111%

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

4.10
4

SGS North America Inc.

Report of Analysis

Page 1 of 1

Client Sample ID:	2434W0BW190B	Date Sampled:	08/22/24
Lab Sample ID:	FC18325-11	Date Received:	08/27/24
Matrix:	AQ - Equipment Blank	Percent Solids:	n/a
Method:	SW846 8260D BY SIM		
Project:	Fort Ord Groundwater Monitoring		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	Z76703.D	1	09/03/24 10:35	CS	n/a	n/a	VZ3088
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA Special List

CAS No.	Compound	Result	LOQ	LOD	DL	Units	Q
56-23-5	Carbon Tetrachloride	0.25 U	0.50	0.25	0.10	ug/l	
107-06-2	1,2-Dichloroethane	0.25 U	0.50	0.25	0.10	ug/l	
79-01-6	Trichloroethylene	0.25 U	0.50	0.25	0.10	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
17060-07-0	1,2-Dichloroethane-D4	109%		74-125%
2037-26-5	Toluene-D8	94%		88-111%

U = Not detected

LOD = Limit of Detection

J = Indicates an estimated value

LOQ = Limit of Quantitation

DL = Detection Limit

B = Indicates analyte found in associated method blank

E = Indicates value exceeds calibration range

N = Indicates presumptive evidence of a compound

SGS North America Inc.

Report of Analysis

Page 1 of 1

Client Sample ID: 2434Y0BW216A	Date Sampled: 08/22/24
Lab Sample ID: FC18325-12	Date Received: 08/27/24
Matrix: AQ - Trip Blank Water	Percent Solids: n/a
Method: SW846 8260D BY SIM	
Project: Fort Ord Groundwater Monitoring	

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	Z76704.D	1	09/03/24 10:58	CS	n/a	n/a	VZ3088
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA Special List

CAS No.	Compound	Result	LOQ	LOD	DL	Units	Q
56-23-5	Carbon Tetrachloride	0.25 U	0.50	0.25	0.10	ug/l	
107-06-2	1,2-Dichloroethane	0.25 U	0.50	0.25	0.10	ug/l	
79-01-6	Trichloroethylene	0.25 U	0.50	0.25	0.10	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
17060-07-0	1,2-Dichloroethane-D4	109%		74-125%
2037-26-5	Toluene-D8	94%		88-111%

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

4.12
 4

SGS North America Inc.

Report of Analysis

Page 1 of 1

Client Sample ID: 2434Z0BW178F	
Lab Sample ID: FC18325-13	Date Sampled: 08/22/24
Matrix: AQ - Ground Water	Date Received: 08/27/24
Method: SW846 8260D BY SIM	Percent Solids: n/a
Project: Fort Ord Groundwater Monitoring	

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	Z76713.D	1	09/03/24 14:23	CS	n/a	n/a	VZ3088
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA Special List

CAS No.	Compound	Result	LOQ	LOD	DL	Units	Q
56-23-5	Carbon Tetrachloride	0.14	0.50	0.25	0.10	ug/l	J
107-06-2	1,2-Dichloroethane	0.25 U	0.50	0.25	0.10	ug/l	
79-01-6	Trichloroethylene	0.37	0.50	0.25	0.10	ug/l	J

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
17060-07-0	1,2-Dichloroethane-D4	112%		74-125%
2037-26-5	Toluene-D8	95%		88-111%

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

SGS North America Inc.

Report of Analysis

Page 1 of 1

Client Sample ID:	2434Z0BW179F	Date Sampled:	08/22/24
Lab Sample ID:	FC18325-14	Date Received:	08/27/24
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8260D BY SIM		
Project:	Fort Ord Groundwater Monitoring		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	Z76714.D	1	09/03/24 14:46	CS	n/a	n/a	VZ3088
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA Special List

CAS No.	Compound	Result	LOQ	LOD	DL	Units	Q
56-23-5	Carbon Tetrachloride	0.25 U	0.50	0.25	0.10	ug/l	
107-06-2	1,2-Dichloroethane	0.25 U	0.50	0.25	0.10	ug/l	
79-01-6	Trichloroethylene	1.0	0.50	0.25	0.10	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
17060-07-0	1,2-Dichloroethane-D4	112%		74-125%
2037-26-5	Toluene-D8	95%		88-111%

U = Not detected

LOD = Limit of Detection

J = Indicates an estimated value

LOQ = Limit of Quantitation

DL = Detection Limit

B = Indicates analyte found in associated method blank

E = Indicates value exceeds calibration range

N = Indicates presumptive evidence of a compound

SGS North America Inc.

Report of Analysis

Page 1 of 1

Client Sample ID: 2434Y0BW199C	Date Sampled: 08/22/24
Lab Sample ID: FC18325-15	Date Received: 08/27/24
Matrix: AQ - Field Blank Water	Percent Solids: n/a
Method: SW846 8260D BY SIM	
Project: Fort Ord Groundwater Monitoring	

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	Z76715.D	1	09/03/24 15:09	CS	n/a	n/a	VZ3088
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA Special List

CAS No.	Compound	Result	LOQ	LOD	DL	Units	Q
56-23-5	Carbon Tetrachloride	0.25 U	0.50	0.25	0.10	ug/l	
107-06-2	1,2-Dichloroethane	0.25 U	0.50	0.25	0.10	ug/l	
79-01-6	Trichloroethylene	0.25 U	0.50	0.25	0.10	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
17060-07-0	1,2-Dichloroethane-D4	113%		74-125%
2037-26-5	Toluene-D8	95%		88-111%

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

4.15
4

SGS North America Inc.

Report of Analysis

Page 1 of 1

Client Sample ID: 2434Z0BW177F	
Lab Sample ID: FC18325-16	Date Sampled: 08/22/24
Matrix: AQ - Ground Water	Date Received: 08/27/24
Method: SW846 8260D BY SIM	Percent Solids: n/a
Project: Fort Ord Groundwater Monitoring	

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	Z76716.D	1	09/03/24 15:32	CS	n/a	n/a	VZ3088
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA Special List

CAS No.	Compound	Result	LOQ	LOD	DL	Units	Q
56-23-5	Carbon Tetrachloride	0.16	0.50	0.25	0.10	ug/l	J
107-06-2	1,2-Dichloroethane	0.25 U	0.50	0.25	0.10	ug/l	
79-01-6	Trichloroethylene	1.2	0.50	0.25	0.10	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
17060-07-0	1,2-Dichloroethane-D4	116%		74-125%
2037-26-5	Toluene-D8	94%		88-111%

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

4.16
4

SGS North America Inc.

Report of Analysis

Page 1 of 1

Client Sample ID: 2434Z0BW225D	
Lab Sample ID: FC18325-17	Date Sampled: 08/22/24
Matrix: AQ - Ground Water	Date Received: 08/27/24
Method: SW846 8260D BY SIM	Percent Solids: n/a
Project: Fort Ord Groundwater Monitoring	

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	Z76717.D	1	09/03/24 15:55	CS	n/a	n/a	VZ3088
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA Special List

CAS No.	Compound	Result	LOQ	LOD	DL	Units	Q
56-23-5	Carbon Tetrachloride	0.14	0.50	0.25	0.10	ug/l	J
107-06-2	1,2-Dichloroethane	0.25 U	0.50	0.25	0.10	ug/l	
79-01-6	Trichloroethylene	1.2	0.50	0.25	0.10	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
17060-07-0	1,2-Dichloroethane-D4	114%		74-125%
2037-26-5	Toluene-D8	95%		88-111%

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

4.17
4

SGS North America Inc.

Report of Analysis

Page 1 of 1

Client Sample ID: 2434X0BW021F	
Lab Sample ID: FC18325-18	Date Sampled: 08/22/24
Matrix: AQ - Ground Water	Date Received: 08/27/24
Method: SW846 8260D BY SIM	Percent Solids: n/a
Project: Fort Ord Groundwater Monitoring	

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	Z76718.D	1	09/03/24 16:18	CS	n/a	n/a	VZ3088
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA Special List

CAS No.	Compound	Result	LOQ	LOD	DL	Units	Q
56-23-5	Carbon Tetrachloride	0.33	0.50	0.25	0.10	ug/l	J
107-06-2	1,2-Dichloroethane	0.25 U	0.50	0.25	0.10	ug/l	
79-01-6	Trichloroethylene	0.25 U	0.50	0.25	0.10	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
17060-07-0	1,2-Dichloroethane-D4	115%		74-125%
2037-26-5	Toluene-D8	95%		88-111%

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

4.18
4

Misc. Forms

Custody Documents and Other Forms

Includes the following where applicable:

- Chain of Custody
- QC Evaluation: DOD QSM5.x Limits

Ahtna CAD53432

Chain-of-Custody / Analytical Request Document
 Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed and accurate

Lab Name: SGS North America Inc. - Orlando	Site ID #: FFORD	Sampler: 1741469
Lab Address:	Project #: 21187.001.01.0000	Sampling Company: Ahtna
Lab PM: Elvin Kumar	Site Address: FFO, CA	Sampling Company Phone: (831)287-5250
Lab Phone/Fax: (407) 425-6700	Site PM Name: Derek Lieberman	Sampling Team Number: 3
Lab PM Email:	Site Phone/Fax:	Reimbursable Project?
Applicable Lab Quote:	Site PM Email: dlieberman@ahtna.net	Send EDD/Hard Copy To: labs@ahtna.net, dlieberman@ahtna.net
Turnaround Time: 10 Business Days	Turnaround Standard: Standard	

Items No.	Sample ID	Sample Location	Matrix	Depth	Q-C Grab or Comb	Sample Type	Sample Date Time	# of Containers	Comments Lab I.D.	Analysis	Preserve	Filtered
1	2434W0BW221A		WQ		G	TB1	08/22/2024 07:38	2		X		
2	2434W0BW204C		WQ		G	FB1	08/22/2024 07:43	3		X		
3	2434W0BW164F		WG		G	NS1	08/22/2024 08:16	3		X		
4	2434W0BW165F		WG		G	NS1	08/22/2024 08:30	3		X		
5	2434W0BW166F		WG		G	NS1	08/22/2024 08:45	3		X		
6	2434W0BW173D		WG		G	FD1	08/22/2024 08:50	3		X		
7	2434W0BW167F		WG		G	NS1	08/22/2024 09:00	3		X		
8	2434W0U2148F		WG	326 - 326 ft bloc	G	NS1	08/22/2024 09:42	3		X		
9	2434W0BW170F		WG		G	NS1	08/22/2024 10:38	3		X		
10	2434W0BW171F		WG		G	NS1	08/22/2024 11:14	3		X		

INITIAL ASSESSMENT ZB
 LABEL VERIFICATION TL

4.0 IR #1

Sample Reason:	RELINQUISHED BY / AFFILIATION	Date Time	ACCEPTED BY / AFFILIATION	Date Time	Sample Receipt Conditions			
Additional Comments/Special Instructions:	<i>RGE 1 BTS</i>	<i>08/22/24 17:17</i>	<i>Lepina SGS</i>	<i>8/26/24 10:00</i>	<input type="checkbox"/> Yes	<input type="checkbox"/> Yes	<input type="checkbox"/> Yes	<input type="checkbox"/> Yes
	<i>LaBaz SGS</i>	<i>8/26/24 15:00</i>	<i>FEDEX</i>	<i>8/26/24 15:00</i>	<input type="checkbox"/> No	<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> No
					<input type="checkbox"/> No	<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> No
					<input type="checkbox"/> No	<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> No
	SHIPPING METHOD: (mark as appropriate)		SAMPLER NAME AND SIGNATURE	Date Time	<input type="checkbox"/> Yes	<input type="checkbox"/> Yes	<input type="checkbox"/> Yes	<input type="checkbox"/> Yes
			<i>A/C</i>	<i>08/27/24 9:00</i>	<input type="checkbox"/> No	<input type="checkbox"/> No	<input type="checkbox"/> No	<input type="checkbox"/> No
					Temperature in °C	Sample on Ice?	Sample Intact?	Trip Blank?

Ahtna CAD53432

FC18325

Chain-of-Custody / Analytical Request Document

Cooler No.: of
COC No: 240822-Site(OUCTP LOWER)-Team (3)
Task Desc: FFO2024Q3_Team1234

Table with columns: Lab Name, Site ID #, Sampler, Project #, Sampling Company, Lab PM, Site Address, Sampling Company Phone, Lab Phone/Fax, Site PM Name, Sampling Team Number, Lab PM Email, Site Phone/Fax, Reimbursable Project?, Applicable Lab Quote, Site PM Email, Turnaround Standard, Turnaround Time, Standard, Send EDD/Hard Copy To, Items No., Sample ID, Sample Location, Matrix, Depth, G-Grab, C-Grab, Sample Type, Sample Date Time, # of Containers, Comments Lab I.D., Analysis, Preserve, Filtered.

Table with columns: Sample Reason, Additional Comments/Special Instructions, RELINQUISHED BY / AFFILIATION, Date Time, ACCEPTED BY / AFFILIATION, Date Time, Sample Receipt Conditions (Temperature, Sample on Ice, Sample Intact, Trip Blank).

5.1 5

Ahtna CADS 3432

FC 18325

Page 1 of 4
3 of 4
8/26

Chain-of-Custody / Analytical Request Document
Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed and accurate

Cooler No.: _____ of _____
COC No: 240822-Ouctp-lower -2
Task Desc: FFO2024Q3_Team1234

Lab Name: SGS North America Inc. - Orlando	Site ID #: FFORD	Sampler: 1741468	Filtered
Lab Address:	Project #: 21187.001.01.0000	Sampling Company: Ahtna	
Lab PM: Elvin Kumar	Site Address: FFO, Marina, CA 93933	Sampling Company Phone: (831)287-5250	Preserve HCL
Lab Phone/Fax: (407) 425-6700	Site PM Name: Derek Lieberman	Sampling Team Number: 2	
Lab PM Email:	Site Phone/Fax:	Reimbursable Project?	Analysis SW6260D
Applicable Lab Quote:	Site PM Email: dlieberman@ahtna.net	Send EDD/Hard Copy To: Labs@ahtna.net, dlieberman@ahtna.net	
Turnaround Time: 10 Business Days	Turnaround Standard: Standard		

Items No.	Sample ID	Sample Location	Matrix	Depth	G-Grab or Comp	Sample Type	Sample Date Time	# of Containers	Comments Lab I.D.	
1	2434Y0BW216A		WQ		G	TB1	08/22/2024 07:05	3		X
2	2434Z0BW178F		WG		G	NS1	08/22/2024 07:30	3		X
3	2434Z0BW179F		WG		G	NS1	08/22/2024 07:40	3		X
4	2434Y0BW199C		WQ		G	FB1	08/22/2024 07:45	3		X
5	2434Z0BW177F		WG		G	NS1	08/22/2024 08:15	3		X
6	2434Z0BW225D		WG		G	FD1	08/22/2024 08:20	3		X

LS 8/26

Sample Reason:	RELINQUISHED BY / AFFILIATION	Date Time	ACCEPTED BY / AFFILIATION	Date Time	Sample Receipt Conditions			
Additional Comments/Special Instructions:	<i>WTR King 18/25</i>	<i>8/22/24 1715</i>	<i>Lieberman</i>	<i>8/26/24 10:30</i>	<input type="checkbox"/> Yes	<input type="checkbox"/> Yes	<input type="checkbox"/> Yes	<input type="checkbox"/> Yes
	<i>LaBaz Seg</i>	<i>8/20/24 15:00</i>	<i>FedEx</i>	<i>8/26/24 5:00</i>	<input type="checkbox"/> No	<input type="checkbox"/> No	<input type="checkbox"/> No	<input type="checkbox"/> No
			<i>A/C</i>	<i>08/27/24 9:00</i>	<input type="checkbox"/> Yes	<input type="checkbox"/> Yes	<input type="checkbox"/> Yes	<input type="checkbox"/> Yes
	SHIPPING METHOD: (mark as appropriate)		SAMPLER NAME AND SIGNATURE	Date Time	Temperature in °C	Sample on Ice?	Sample Intact?	Trip Blank?

FC18325: Chain of Custody

Page 3 of 5

5.1
5

Ahtna CADS 3432

Chain-of-Custody / Analytical Request Document
 Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed and accurate

Cooler No.:	of	LS
COC No: 240822-OUTCP LOWER-1		
Task Desc: FFO2024Q3_Team1234		

Lab Name: SGS North America Inc. - Orlando	Site ID #: FFORD	Sampler: 1741467	Filtered	HCL	HCL
Lab Address:	Project #: 21187.001.01.0000	Sampling Company: AHTNA			
Lab PM: Elvin Kumar	Site Address: FPO, Marina, CA 93933	Sampling Company Phone: 9409568618	Preserve	SW6260D	X
Lab Phone/Fax: (407) 425-6700	Site PM Name: Derek Lieberman	Sampling Team Number: 1			
Lab PM Email:	Site Phone/Fax:	Reimbursable Project?			
Applicable Lab Quote:	Site PM Email: dlieberman@ahtna.net	Send EDD/Hard Copy To: labs@ahtna.net, dlieberman@ahtna.net			
Turnaround Time: 10 Business Days	Turnaround Standard: Standard				

Items No.	Sample ID	Sample Location	Matrix	Depth	GC-MS Column	Sample Type	Sample Date Time	# of Containers	Comments Lab I.D.											
13	2434X0BW021F		WG	352 - 352 ft btoc	G	NS1	08/22/2024 07:47	3												

LS 8/20

Sample Reason:	RELINQUISHED BY / AFFILIATION	Date Time	ACCEPTED BY / AFFILIATION	Date Time	Sample Receipt Conditions				
Additional Comments/Special Instructions:	Eric Palmer / Blanc Tell Service	08/22/24	Lee Buz SGS	10/26/24 10:30	<input type="checkbox"/> Yes	<input type="checkbox"/> Yes	<input type="checkbox"/> Yes	<input type="checkbox"/> Yes	
	Lee Buz SGS	09/20/24 15:00	PDOX	09/20/24 15:00	<input type="checkbox"/> No	<input type="checkbox"/> No	<input type="checkbox"/> No	<input type="checkbox"/> No	
			J/C	08/27/24 9:00	<input type="checkbox"/> Yes	<input type="checkbox"/> Yes	<input type="checkbox"/> Yes	<input type="checkbox"/> Yes	
SHIPPING METHOD: (mark as appropriate)				SAMPLER NAME AND SIGNATURE	Date Time	Temperature in °C	Sample on Ice?	Sample Intact?	Trip Blank?

SGS - Orlando Sample Receipt Summary

Job Number: fc18325

Client: AHTNA

Project: OUCTP-Lower FFO2024Q3

Date / Time Received: 8/27/2024 9:00:00 AM

Delivery Method: FEDEX

Airbill #s: 778197414753

Cooler Temps (Raw Measured) °C: Cooler 1: (4.0);

Cooler Temps (Corrected) °C: Cooler 1: (3.8);

Cooler Informatio

	Y	or	N
1. Custody Seals Present:	<input checked="" type="checkbox"/>		<input type="checkbox"/>
2. Custody Seals Intact:	<input checked="" type="checkbox"/>		<input type="checkbox"/>
3. Temp criteria achieved:	<input checked="" type="checkbox"/>		<input type="checkbox"/>
4. Cooler temp verification:			IR Gun
5. Cooler media:			Ice (Bag)

Trip Blank Information

	Y	or	N	N/A
1. Trip Blank present / cooler:	<input checked="" type="checkbox"/>		<input type="checkbox"/>	<input type="checkbox"/>
2. Trip Blank listed on COC:	<input checked="" type="checkbox"/>		<input type="checkbox"/>	<input type="checkbox"/>
	W	or	S	N/A
3. Type of TB Received	<input checked="" type="checkbox"/>		<input type="checkbox"/>	<input type="checkbox"/>

Sample Information

	Y	or	N	N/A
1. Sample labels present on bottles:	<input checked="" type="checkbox"/>		<input type="checkbox"/>	
2. Samples presented properly	<input checked="" type="checkbox"/>		<input type="checkbox"/>	
3. Sufficient volume/containers recv'd for analysi	<input checked="" type="checkbox"/>		<input type="checkbox"/>	
4. Condition of sample:			Intact	
5. Sample recv'd within HT	<input checked="" type="checkbox"/>		<input type="checkbox"/>	
6. Dates/Times/IDs on COC match sample labe	<input checked="" type="checkbox"/>		<input type="checkbox"/>	
7. VOCs have headspace	<input type="checkbox"/>		<input checked="" type="checkbox"/>	<input type="checkbox"/>
8. Bottles received for unspecified tests	<input type="checkbox"/>		<input checked="" type="checkbox"/>	
9. Compositing instructions clear	<input type="checkbox"/>		<input type="checkbox"/>	<input checked="" type="checkbox"/>
10. Voa Soil Kits/Jars received past 48hrs?	<input type="checkbox"/>		<input type="checkbox"/>	<input checked="" type="checkbox"/>
11. % Solids Jar Received?	<input type="checkbox"/>		<input type="checkbox"/>	<input checked="" type="checkbox"/>
12. Residual Chlorine Present?	<input type="checkbox"/>		<input type="checkbox"/>	<input checked="" type="checkbox"/>

Misc Information

Number of Encores: 25 Gram	5 Gram	Number of Lab Filtered Metals
Test Strip Lot #: pH 0-3: <u>226422</u>	pH 10-12: _____	Other: (Specify) pH 1.0 - 12.0 <u>222221</u>
Residual Chlorine Test Strip Lot _____		

Comments

Sample Receipt Summary 112723 EK Technician: ZANEB Date: 8/27/2024 10:49:01 AM Reviewer: ZB Date: 08/27/24

5.1
5



QC Evaluation: DOD QSM5.x Limits

Job Number: FC18325
Account: Ahtna Global, LLC
Project: Fort Ord Groundwater Monitoring
Collected: 08/22/24

QC Sample ID	CAS#	Analyte	Sample Type	Result Type	Result	Units	Limits
VZ3088	SW846 8260D BY SIM						
VZ3088-BS	56-23-5	Carbon Tetrachloride	BSP	REC	98	%	72-136
VZ3088-BS	107-06-2	1,2-Dichloroethane	BSP	REC	112	%	73-128
VZ3088-BS	79-01-6	Trichloroethylene	BSP	REC	104	%	79-123
VZ3088-BS	17060-07-0	1,2-Dichloroethane-D4	BSP	SURR	103	%	81-118
VZ3088-BS	2037-26-5	Toluene-D8	BSP	SURR	93	%	89-112
FC18325-4MS	56-23-5	Carbon Tetrachloride	MS	REC	101	%	72-136
FC18325-4MS	107-06-2	1,2-Dichloroethane	MS	REC	127	%	73-128
FC18325-4MS	79-01-6	Trichloroethylene	MS	REC	106	%	79-123
FC18325-4MS	17060-07-0	1,2-Dichloroethane-D4	MS	SURR	121	%	81-118
FC18325-4MS	2037-26-5	Toluene-D8	MS	SURR	93	%	89-112
FC18325-4MSD	56-23-5	Carbon Tetrachloride	MSD	REC	96	%	72-136
FC18325-4MSD	56-23-5	Carbon Tetrachloride	MSD	RPD	5	%	20
FC18325-4MSD	107-06-2	1,2-Dichloroethane	MSD	REC	120	%	73-128
FC18325-4MSD	107-06-2	1,2-Dichloroethane	MSD	RPD	6	%	20
FC18325-4MSD	79-01-6	Trichloroethylene	MSD	REC	99	%	79-123
FC18325-4MSD	79-01-6	Trichloroethylene	MSD	RPD	7	%	20
FC18325-4MSD	17060-07-0	1,2-Dichloroethane-D4	MSD	SURR	119	%	81-118
FC18325-4MSD	2037-26-5	Toluene-D8	MSD	SURR	93	%	89-112
VZ3088-MB	17060-07-0	1,2-Dichloroethane-D4	MB	SURR	108	%	81-118
VZ3088-MB	2037-26-5	Toluene-D8	MB	SURR	93	%	89-112
FC18325-1	17060-07-0	1,2-Dichloroethane-D4	SAMP	SURR	105	%	81-118
FC18325-1	2037-26-5	Toluene-D8	SAMP	SURR	94	%	89-112
FC18325-2	17060-07-0	1,2-Dichloroethane-D4	SAMP	SURR	113	%	81-118
FC18325-2	2037-26-5	Toluene-D8	SAMP	SURR	93	%	89-112
FC18325-3	17060-07-0	1,2-Dichloroethane-D4	SAMP	SURR	108	%	81-118
FC18325-3	2037-26-5	Toluene-D8	SAMP	SURR	94	%	89-112
FC18325-4	17060-07-0	1,2-Dichloroethane-D4	SAMP	SURR	111	%	81-118
FC18325-4	2037-26-5	Toluene-D8	SAMP	SURR	94	%	89-112
FC18325-5	17060-07-0	1,2-Dichloroethane-D4	SAMP	SURR	110	%	81-118
FC18325-5	2037-26-5	Toluene-D8	SAMP	SURR	94	%	89-112
FC18325-6	17060-07-0	1,2-Dichloroethane-D4	SAMP	SURR	110	%	81-118
FC18325-6	2037-26-5	Toluene-D8	SAMP	SURR	94	%	89-112
FC18325-7	17060-07-0	1,2-Dichloroethane-D4	SAMP	SURR	112	%	81-118
FC18325-7	2037-26-5	Toluene-D8	SAMP	SURR	94	%	89-112
FC18325-8	17060-07-0	1,2-Dichloroethane-D4	SAMP	SURR	114	%	81-118
FC18325-8	2037-26-5	Toluene-D8	SAMP	SURR	94	%	89-112
FC18325-9	17060-07-0	1,2-Dichloroethane-D4	SAMP	SURR	114	%	81-118
FC18325-9	2037-26-5	Toluene-D8	SAMP	SURR	94	%	89-112
FC18325-10	17060-07-0	1,2-Dichloroethane-D4	SAMP	SURR	114	%	81-118
FC18325-10	2037-26-5	Toluene-D8	SAMP	SURR	94	%	89-112
FC18325-11	17060-07-0	1,2-Dichloroethane-D4	SAMP	SURR	109	%	81-118
FC18325-11	2037-26-5	Toluene-D8	SAMP	SURR	94	%	89-112

* Sample used for QC is not from job FC18325

5.2
5

QC Evaluation: DOD QSM5.x Limits

Job Number: FC18325
Account: Ahtna Global, LLC
Project: Fort Ord Groundwater Monitoring
Collected: 08/22/24

QC Sample ID	CAS#	Analyte	Sample Type	Result Type	Result	Units	Limits
FC18325-12	17060-07-0	1,2-Dichloroethane-D4	SAMP	SURR	109	%	81-118
FC18325-12	2037-26-5	Toluene-D8	SAMP	SURR	94	%	89-112
FC18325-13	17060-07-0	1,2-Dichloroethane-D4	SAMP	SURR	112	%	81-118
FC18325-13	2037-26-5	Toluene-D8	SAMP	SURR	95	%	89-112
FC18325-14	17060-07-0	1,2-Dichloroethane-D4	SAMP	SURR	112	%	81-118
FC18325-14	2037-26-5	Toluene-D8	SAMP	SURR	95	%	89-112
FC18325-15	17060-07-0	1,2-Dichloroethane-D4	SAMP	SURR	113	%	81-118
FC18325-15	2037-26-5	Toluene-D8	SAMP	SURR	95	%	89-112
FC18325-16	17060-07-0	1,2-Dichloroethane-D4	SAMP	SURR	116	%	81-118
FC18325-16	2037-26-5	Toluene-D8	SAMP	SURR	94	%	89-112
FC18325-17	17060-07-0	1,2-Dichloroethane-D4	SAMP	SURR	114	%	81-118
FC18325-17	2037-26-5	Toluene-D8	SAMP	SURR	95	%	89-112
FC18325-18	17060-07-0	1,2-Dichloroethane-D4	SAMP	SURR	115	%	81-118
FC18325-18	2037-26-5	Toluene-D8	SAMP	SURR	95	%	89-112

5.2
5

* Sample used for QC is not from job FC18325

MS Volatiles

QC Data Summaries

Includes the following where applicable:

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

Method Blank Summary

Job Number: FC18325
Account: AHTNACAS Ahtna Global, LLC
Project: Fort Ord Groundwater Monitoring

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VZ3088-MB	Z76700.D	1	09/03/24	CS	n/a	n/a	VZ3088

The QC reported here applies to the following samples:

Method: SW846 8260D BY SIM

FC18325-1, FC18325-2, FC18325-3, FC18325-4, FC18325-5, FC18325-6, FC18325-7, FC18325-8, FC18325-9, FC18325-10, FC18325-11, FC18325-12, FC18325-13, FC18325-14, FC18325-15, FC18325-16, FC18325-17, FC18325-18

CAS No.	Compound	Result	RL	MDL	Units	Q
56-23-5	Carbon Tetrachloride	ND	0.50	0.10	ug/l	
107-06-2	1,2-Dichloroethane	ND	0.50	0.10	ug/l	
79-01-6	Trichloroethylene	ND	0.50	0.10	ug/l	

CAS No.	Surrogate Recoveries	Limits	
17060-07-0	1,2-Dichloroethane-D4	108%	74-125%
2037-26-5	Toluene-D8	93%	88-111%

Blank Spike Summary

Job Number: FC18325
Account: AHTNACAS Ahtna Global, LLC
Project: Fort Ord Groundwater Monitoring

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VZ3088-BS	Z76698.D	1	09/03/24	CS	n/a	n/a	VZ3088

The QC reported here applies to the following samples:

Method: SW846 8260D BY SIM

FC18325-1, FC18325-2, FC18325-3, FC18325-4, FC18325-5, FC18325-6, FC18325-7, FC18325-8, FC18325-9, FC18325-10, FC18325-11, FC18325-12, FC18325-13, FC18325-14, FC18325-15, FC18325-16, FC18325-17, FC18325-18

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
56-23-5	Carbon Tetrachloride	5	4.9	98	76-136
107-06-2	1,2-Dichloroethane	5	5.6	112	75-125
79-01-6	Trichloroethylene	5	5.2	104	81-126

CAS No.	Surrogate Recoveries	BSP	Limits
17060-07-0	1,2-Dichloroethane-D4	103%	74-125%
2037-26-5	Toluene-D8	93%	88-111%

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: FC18325
Account: AHTNACAS Ahtna Global, LLC
Project: Fort Ord Groundwater Monitoring

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
FC18325-4MS	Z76721.D	5	09/03/24	CS	n/a	n/a	VZ3088
FC18325-4MSD	Z76722.D	5	09/03/24	CS	n/a	n/a	VZ3088
FC18325-4	Z76706.D	1	09/03/24	CS	n/a	n/a	VZ3088

The QC reported here applies to the following samples:

Method: SW846 8260D BY SIM

FC18325-1, FC18325-2, FC18325-3, FC18325-4, FC18325-5, FC18325-6, FC18325-7, FC18325-8, FC18325-9, FC18325-10, FC18325-11, FC18325-12, FC18325-13, FC18325-14, FC18325-15, FC18325-16, FC18325-17, FC18325-18

CAS No.	Compound	FC18325-4 ug/l	Spike Q ug/l	MS ug/l	MS %	Spike ug/l	MSD ug/l	MSD %	RPD	Limits Rec/RPD
56-23-5	Carbon Tetrachloride	0.50 U	25	25.2	101	25	23.9	96	5	76-136/23
107-06-2	1,2-Dichloroethane	0.50 U	25	31.8	127*	25	30.0	120	6	75-125/14
79-01-6	Trichloroethylene	0.32 J	25	26.8	106	25	25.1	99	7	81-126/15

CAS No.	Surrogate Recoveries	MS	MSD	FC18325-4	Limits
17060-07-0	1,2-Dichloroethane-D4	121%	119%	111%	74-125%
2037-26-5	Toluene-D8	93%	93%	94%	88-111%

* = Outside of Control Limits.

Instrument Performance Check (BFB)

Job Number: FC18325
Account: AHTNACAS Ahtna Global, LLC
Project: Fort Ord Groundwater Monitoring

Sample: VZ3084-BFB	Injection Date: 08/28/24
Lab File ID: Z76601.D	Injection Time: 07:36
Instrument ID: GCMSZ	

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance	Pass/Fail
95	Base peak, 100% relative abundance	102783	100.0	Pass
96	5.0 - 9.0% of mass 95	7256	7.06	Pass
173	Less than 2.0% of mass 174	537	0.52 (0.64) ^a	Pass
174	50.0 - 200.0% of mass 95	84304	82.0	Pass
175	5.0 - 9.0% of mass 174	6173	6.01 (7.32) ^a	Pass
176	95.0 - 105.0% of mass 174	82709	80.5 (98.1) ^a	Pass
177	5.0 - 10.0% of mass 176	5685	5.53 (6.87) ^b	Pass

(a) Value is % of mass 174

(b) Value is % of mass 176

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

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
VZ3084-IC3084	Z76603.D	08/28/24	08:29	00:53	Initial cal 1
VZ3084-IC3084	Z76604.D	08/28/24	08:51	01:15	Initial cal 2
VZ3084-IC3084	Z76605.D	08/28/24	09:24	01:48	Initial cal 3
VZ3084-IC3084	Z76606.D	08/28/24	09:47	02:11	Initial cal 4
VZ3084-ICC3084	Z76607.D	08/28/24	10:10	02:34	Initial cal 5
VZ3084-IC3084	Z76608.D	08/28/24	10:33	02:57	Initial cal 6
VZ3084-IC3084	Z76609.D	08/28/24	10:57	03:21	Initial cal 7
VZ3084-ICV3084	Z76611.D	08/28/24	11:43	04:07	Initial cal verification 5

Instrument Performance Check (BFB)

Job Number: FC18325
Account: AHTNACAS Ahtna Global, LLC
Project: Fort Ord Groundwater Monitoring

Sample: VZ3088-BFB	Injection Date: 09/03/24
Lab File ID: Z76696.D	Injection Time: 07:02
Instrument ID: GCMSZ	

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance	Pass/Fail
95	Base peak, 100% relative abundance	162603	100.0	Pass
96	5.0 - 9.0% of mass 95	10903	6.71	Pass
173	Less than 2.0% of mass 174	747	0.46 (0.56) ^a	Pass
174	50.0 - 200.0% of mass 95	132331	81.4	Pass
175	5.0 - 9.0% of mass 174	9411	5.79 (7.11) ^a	Pass
176	95.0 - 105.0% of mass 174	129253	79.5 (97.7) ^a	Pass
177	5.0 - 10.0% of mass 176	8516	5.24 (6.59) ^b	Pass

(a) Value is % of mass 174

(b) Value is % of mass 176

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

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
VZ3088-CC3084	Z76697.D	09/03/24	07:30	00:28	Continuing cal 5
VZ3088-BS	Z76698.D	09/03/24	08:05	01:03	Blank Spike
VZ3088-MB	Z76700.D	09/03/24	09:10	02:08	Method Blank
FC18325-1	Z76701.D	09/03/24	09:49	02:47	2434W0BW221A
FC18325-2	Z76702.D	09/03/24	10:12	03:10	2434W0BW204C
FC18325-11	Z76703.D	09/03/24	10:35	03:33	2434W0BW190B
FC18325-12	Z76704.D	09/03/24	10:58	03:56	2434Y0BW216A
FC18325-3	Z76705.D	09/03/24	11:21	04:19	2434W0BW164F
FC18325-4	Z76706.D	09/03/24	11:44	04:42	2434W0BW165F
FC18325-5	Z76707.D	09/03/24	12:06	05:04	2434W0BW166F
FC18325-6	Z76708.D	09/03/24	12:29	05:27	2434W0BW173D
FC18325-7	Z76709.D	09/03/24	12:52	05:50	2434W0BW167F
FC18325-8	Z76710.D	09/03/24	13:15	06:13	2434W0U2148F
FC18325-9	Z76711.D	09/03/24	13:38	06:36	2434W0BW170F
FC18325-10	Z76712.D	09/03/24	14:01	06:59	2434W0BW171F
FC18325-13	Z76713.D	09/03/24	14:23	07:21	2434Z0BW178F
FC18325-14	Z76714.D	09/03/24	14:46	07:44	2434Z0BW179F
FC18325-15	Z76715.D	09/03/24	15:09	08:07	2434Y0BW199C
FC18325-16	Z76716.D	09/03/24	15:32	08:30	2434Z0BW177F
FC18325-17	Z76717.D	09/03/24	15:55	08:53	2434Z0BW225D
FC18325-18	Z76718.D	09/03/24	16:18	09:16	2434X0BW021F
ZZZZZZ	Z76719.D	09/03/24	16:41	09:39	(unrelated sample)
ZZZZZZ	Z76720.D	09/03/24	17:03	10:01	(unrelated sample)
FC18325-4MS	Z76721.D	09/03/24	17:26	10:24	Matrix Spike
FC18325-4MSD	Z76722.D	09/03/24	17:49	10:47	Matrix Spike Duplicate
VZ3088-ECC3084	Z76723.D	09/03/24	18:12	11:10	Ending cal 5

Internal Standard Area Summary

Job Number: FC18325
Account: AHTNACAS Ahtna Global, LLC
Project: Fort Ord Groundwater Monitoring

Check Std: VZ3088-CC3084	Injection Date: 09/03/24
Lab File ID: Z76697.D	Injection Time: 07:30
Instrument ID: GCMSZ	Method: SW846 8260D BY SIM

	IS 1 AREA	RT	IS 2 AREA	RT
Initial Cal ^a	18387	7.89	18425	10.98
Check Std ^b	21728	7.89	24332	10.97
Upper Limit ^c	43456	8.06	48664	11.14
Lower Limit ^d	10864	7.72	12166	10.80

Lab Sample ID	IS 1 AREA	RT	IS 2 AREA	RT
VZ3088-BS	21761	7.89	24635	10.97
VZ3088-MB	21218	7.89	25316	10.98
FC18325-1	21008	7.89	24863	10.98
FC18325-2	20646	7.89	24763	10.98
FC18325-11	21024	7.89	25051	10.98
FC18325-12	20746	7.89	24610	10.98
FC18325-3	20703	7.89	24392	10.98
FC18325-4	20917	7.89	24730	10.98
FC18325-5	20677	7.89	24361	10.98
FC18325-6	20480	7.89	24030	10.98
FC18325-7	20104	7.89	23797	10.98
FC18325-8	20661	7.89	24434	10.98
FC18325-9	19934	7.89	23806	10.98
FC18325-10	20296	7.89	24190	10.98
FC18325-13	19890	7.89	23347	10.98
FC18325-14	19648	7.89	23160	10.98
FC18325-15	19905	7.89	23502	10.98
FC18325-16	19373	7.89	23288	10.98
FC18325-17	19207	7.89	22909	10.98
FC18325-18	19199	7.89	22813	10.98
ZZZZZZ	18499	7.89	22230	10.98
ZZZZZZ	18222	7.89	21811	10.98
FC18325-4MS	19083	7.89	22806	10.98
FC18325-4MSD	18814	7.89	22460	10.97
VZ3088-ECC3084	19293	7.89	21896	10.98

IS 1 = Fluorobenzene
IS 2 = Chlorobenzene-D5

- (a) Initial Cal is: VZ3084-ICC3084 Z76607.D 08/28/24 10:10
- (b) Check Std Limit = -50 to + 100% of initial cal area.
- (c) Upper Limit = + 100% of check standard area; Retention time + 0.167 minutes.
- (d) Lower Limit = -50% of check standard area; Retention time -0.167 minutes.

6.5.1
6

Surrogate Recovery Summary

Job Number: FC18325
Account: AHTNACAS Ahtna Global, LLC
Project: Fort Ord Groundwater Monitoring

Method: SW846 8260D BY SIM	Matrix: AQ
-----------------------------------	-------------------

Samples and QC shown here apply to the above method

Lab Sample ID	Lab File ID	S1	S2
FC18325-1	Z76701.D	105	94
FC18325-2	Z76702.D	113	93
FC18325-3	Z76705.D	108	94
FC18325-4	Z76706.D	111	94
FC18325-5	Z76707.D	110	94
FC18325-6	Z76708.D	110	94
FC18325-7	Z76709.D	112	94
FC18325-8	Z76710.D	114	94
FC18325-9	Z76711.D	114	94
FC18325-10	Z76712.D	114	94
FC18325-11	Z76703.D	109	94
FC18325-12	Z76704.D	109	94
FC18325-13	Z76713.D	112	95
FC18325-14	Z76714.D	112	95
FC18325-15	Z76715.D	113	95
FC18325-16	Z76716.D	116	94
FC18325-17	Z76717.D	114	95
FC18325-18	Z76718.D	115	95
FC18325-4MS	Z76721.D	121	93
FC18325-4MSD	Z76722.D	119	93
VZ3088-BS	Z76698.D	103	93
VZ3088-MB	Z76700.D	108	93

Surrogate Compounds	Recovery Limits
----------------------------	------------------------

S1 = 1,2-Dichloroethane-D4	74-125%
S2 = Toluene-D8	88-111%

6.6.1
6

Initial Calibration Summary

Job Number: FC18325
Account: AHTNACAS Ahtna Global, LLC
Project: Fort Ord Groundwater Monitoring

Sample: VZ3084-ICC3084
Lab FileID: Z76607.D

Response Factor Report MSVOA15-Z

Method : C:\msdchem\1\met...MCL-08-28-2024.M (RTE Integrator)
 Title : Standard Methods 6200B
 Last Update : Wed Aug 28 11:30:23 2024
 Response via : Initial Calibration

Calibration Files

1 =Z76603.D 2 =Z76604.D 3 =Z76605.D 4 =Z76606.D
 5 =Z76607.D 6 =Z76608.D 7 =Z76609.D

Compound	1	2	3	4	5	6	7	Avg	%RSD
1) I Fluorobenzene									
-----ISTD-----									
2) Vinyl Chloride	3.087	1.012	0.556	0.503	0.479	0.452	0.435	0.932	104.18
	---- Quadratic regr., Force(0,0) ---- Coefficient = 0.9993								
	Response Ratio = 0.00000 + 0.52615 *A + -0.02329 *A^2								
3) Chloromethane	2.523	0.959	0.605	0.563	0.550	0.521	0.500	0.889	83.00
	---- Quadratic regr., Force(0,0) ---- Coefficient = 0.9996								
	Response Ratio = 0.00000 + 0.59622 *A + -0.02423 *A^2								
4) 1,1-Dichloroethen	0.877	0.664	0.596	0.575	0.527	0.520	0.480	0.605	22.10
	---- Quadratic regr., Force(0,0) ---- Coefficient = 0.9995								
	Response Ratio = 0.00000 + 0.59770 *A + -0.02887 *A^2								
5) Methylene Chlorid	8.589	2.190	1.016	0.727	0.601	0.557	0.499	2.026	145.79
	---- Quadratic regr., Force(0,0) ---- Coefficient = 0.9956								
	Response Ratio = 0.00000 + 0.77053 *A + -0.06924 *A^2								
6) trans-1,2-Dichlor	0.751	0.607	0.568	0.547	0.508	0.507	0.469	0.565	16.55
	---- Quadratic regr., Force(0,0) ---- Coefficient = 0.9994								
	Response Ratio = 0.00000 + 0.56981 *A + -0.02450 *A^2								
7) 1,1-Dichloroethan	0.926	0.787	0.739	0.727	0.669	0.668	0.620	0.734	13.79
	---- Linear regr., Force(0,0) ---- Coefficient = 0.9968								
	Response Ratio = 0.00000 + 0.64509 *A								
8) cis-1,2-Dichloroe	0.659	0.467	0.453	0.442	0.411	0.412	0.382	0.461	19.94
	---- Quadratic regression ---- Coefficient = 0.9994								
	Response Ratio = 0.00106 + 0.45841 *A + -0.01862 *A^2								
9) Chloroform	1.108	0.825	1.049	0.868	0.757	0.739	0.679	0.861	18.78
	---- Quadratic regr., Force(0,0) ---- Coefficient = 0.9987								
	Response Ratio = 0.00000 + 0.89510 *A + -0.05419 *A^2								
10) Carbon Tetrachlor	0.917	0.701	0.694	0.622	0.554	0.546	0.503	0.648	21.66
	---- Quadratic regr., Force(0,0) ---- Coefficient = 0.9992								
	Response Ratio = 0.00000 + 0.66516 *A + -0.04150 *A^2								
11) 1,1,1-Trichloroet	1.142	0.759	0.771	0.707	0.620	0.626	0.579	0.743	25.57
	---- Quadratic regr., Force(0,0) ---- Coefficient = 0.9989								
	Response Ratio = 0.00000 + 0.71523 *A + -0.03354 *A^2								
12) Benzene	1.880	1.455	1.405	1.398	1.334	1.377	1.298	1.449	13.57
13)S 1,2-Dichloroethan	0.301	0.312	0.326	0.310	0.295	0.291	0.286	0.303	4.61
14) 1,2-Dichloroethan	0.711	0.552	0.544	0.540	0.497	0.498	0.462	0.543	14.82
	---- Quadratic regr., Force(0,0) ---- Coefficient = 0.9994								
	Response Ratio = 0.00000 + 0.55725 *A + -0.02314 *A^2								

6.7.1
6



Initial Calibration Summary

Job Number: FC18325
Account: AHTNACAS Ahtna Global, LLC
Project: Fort Ord Groundwater Monitoring

Sample: VZ3084-ICC3084
Lab FileID: Z76607.D

- 15) Trichloroethene 0.554 0.401 0.391 0.387 0.373 0.386 0.362 0.408 16.13
---- Quadratic regr., Force(0,0) ---- Coefficient = 0.9990
Response Ratio = 0.00000 + 0.40128 *A + -0.00897 *A^2

- 16) 1,2-Dichloropropa 0.511 0.390 0.383 0.391 0.371 0.381 0.355 0.397 12.96
- 17) cis-1,3-Dichlorop 0.837 0.597 0.596 0.606 0.584 0.605 0.566 0.627 14.91
---- Quadratic regr., Force(0,0) ---- Coefficient = 0.9990
Response Ratio = 0.00000 + 0.62772 *A + -0.01386 *A^2

- 18) I Chlorobenzene-d5 -----ISTD-----
- 19)S Toluene-d8 1.128 1.121 1.112 1.104 1.113 1.112 1.116 1.115 0.68
- 20) trans-1,3-Dichlor 0.802 0.511 0.514 0.521 0.525 0.563 0.536 0.567 18.51
---- Quadratic regr., Force(0,0) ---- Coefficient = 0.9986
Response Ratio = 0.00000 + 0.53685 *A + 0.00156 *A^2

- 21) Tetrachloroethene 0.673 0.431 0.384 0.373 0.362 0.375 0.356 0.422 26.88
---- Quadratic regr., Force(0,0) ---- Coefficient = 0.9992
Response Ratio = 0.00000 + 0.38455 *A + -0.00653 *A^2

- 22) 1,4-Dichlorobenze 1.466 0.855 0.839 0.874 0.856 0.886 0.827 0.943 24.54
---- Linear regr., Force(0,0) ---- Coefficient = 0.9981
Response Ratio = 0.00000 + 0.85017 *A

- 23) 1,2-Dibromo-3-Chl 0.276 0.129 0.115 0.118 0.109 0.111 0.104 0.137 44.85
---- Quadratic regr., Force(0,0) ---- Coefficient = 0.9993
Response Ratio = 0.00000 + 0.11991 *A + -0.00370 *A^2

(#) = Out of Range

SIMCL-08-28-2024.M

Wed Aug 28 12:39:52 2024

Initial Calibration Verification

Job Number: FC18325
Account: AHTNACAS Ahtna Global, LLC
Project: Fort Ord Groundwater Monitoring

Sample: VZ3084-ICV3084
Lab FileID: Z76611.D

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\data\082824\Z76611.D
 Acq On : 28 Aug 2024 11:43 am
 Sample : icv3084-5
 Misc : MS57344,VZ3084,,,,,
 MS Integration Params: micro.p
 Vial: 11
 Operator: claudias
 Inst : MSVOA15-Z
 Multiplr: 1.00

Method : C:\msdchem\1\met...MCL-08-28-2024.M (RTE Integrator)
 Title : Standard Methods 6200B
 Last Update : Wed Aug 28 11:30:23 2024
 Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 200%

Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1 I Fluorobenzene	1.000	1.000	0.0	104	0.00	7.89
----- Amount Calc. %Drift -----						
2 Vinyl Chloride	10.000	8.263	17.4	88	0.00	3.19
3 Chloromethane	10.000	8.151	18.5	86	0.00	3.13
4 1,1-Dichloroethene	10.000	10.149	-1.5	109	0.00	4.57
5 Methylene Chloride	10.000	10.019	-0.2	110	0.00	5.21
6 trans-1,2-Dichloroethene	10.000	10.428	-4.3	111	0.00	5.39
7 1,1-Dichloroethane	10.000	10.758	-7.6	108	0.00	6.06
8 cis-1,2-Dichloroethene	10.000	10.302	-3.0	110	0.00	6.62
9 Chloroform	10.000	9.932	0.7	108	0.00	6.88
10 Carbon Tetrachloride	10.000	9.924	0.8	109	0.00	7.05
11 1,1,1-Trichloroethane	10.000	10.210	-2.1	111	0.00	7.13
----- AvgRF CCRF %Dev -----						
12 Benzene	1.449	1.430	1.3	112	0.00	7.49
13 S 1,2-Dichloroethane-d4	0.303	0.292	3.6	103	0.00	7.63
----- Amount Calc. %Drift -----						
14 1,2-Dichloroethane	10.000	10.396	-4.0	111	0.00	7.70
15 Trichloroethene	10.000	10.628	-6.3	114	0.00	8.06
----- AvgRF CCRF %Dev -----						
16 1,2-Dichloropropane	0.397	0.400	-0.8	113	0.00	8.59
----- Amount Calc. %Drift -----						
17 cis-1,3-Dichloropropene	10.000	10.097	-1.0	108	0.00	9.24
----- AvgRF CCRF %Dev -----						
18 I Chlorobenzene-d5	1.000	1.000	0.0	104	0.00	10.98
19 S Toluene-d8	1.115	1.111	0.4	103	0.00	9.43
----- Amount Calc. %Drift -----						
20 trans-1,3-Dichloropropene	10.000	9.423	5.8	101	0.00	9.87
21 Tetrachloroethene	10.000	10.507	-5.1	112	0.00	9.87
22 1,4-Dichlorobenzene	10.000	10.637	-6.4	110	0.00	13.35
23 1,2-Dibromo-3-Chloropropa	10.000	10.154	-1.5	108	0.00	14.52

(#) = Out of Range SPCC's out = 0 CCC's out = 0



Initial Calibration Verification

Job Number: FC18325
Account: AHTNACAS Ahtna Global, LLC
Project: Fort Ord Groundwater Monitoring

Sample: VZ3084-ICV3084
Lab FileID: Z76611.D

Z76607.D SIMCL-08-28-2024.M

Wed Aug 28 12:39:18 2024

Continuing Calibration Summary

Job Number: FC18325
 Account: AHTNACAS Ahtna Global, LLC
 Project: Fort Ord Groundwater Monitoring

Sample: VZ3088-CC3084
 Lab FileID: Z76697.D

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\data\090324\Z76697.D Vial: 2
 Acq On : 3 Sep 2024 7:30 am Operator: claudias
 Sample : cc3084-5 Inst : MSVOA15-Z
 Misc : MS57383,VZ3088,,,,, Multiplr: 1.00
 MS Integration Params: micro.p

Method : C:\msdchem\1\met...MCL-08-28-2024.M (RTE Integrator)
 Title : Standard Methods 6200B
 Last Update : Wed Aug 28 11:30:23 2024
 Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1 I	Fluorobenzene	1.000	1.000	0.0	118	0.00	7.89
	----- Amount	Calc.	%Drift	-----			
2	Vinyl Chloride	10.000	11.011	-10.1	129	0.00	3.18
3	Chloromethane	10.000	11.479	-14.8	133	-0.02	3.12
4	1,1-Dichloroethene	10.000	11.481	-14.8	137	0.00	4.56
5	Methylene Chloride	10.000	12.533	-25.3#	147	0.00	5.21
6	trans-1,2-Dichloroethene	10.000	11.583	-15.8	138	0.00	5.38
7	1,1-Dichloroethane	10.000	11.923	-19.2	136	0.00	6.05
8	cis-1,2-Dichloroethene	10.000	11.043	-10.4	133	0.00	6.62
9	Chloroform	10.000	10.399	-4.0	127	0.00	6.88
10	Carbon Tetrachloride	10.000	9.907	0.9	123	-0.01	7.04
11	1,1,1-Trichloroethane	10.000	10.691	-6.9	131	0.00	7.12
	----- AvgRF	CCRF	%Dev	-----			
12	Benzene	1.449	1.424	1.7	126	0.00	7.49
13 S	1,2-Dichloroethane-d4	0.303	0.314	-3.6	126	0.00	7.62
	----- Amount	Calc.	%Drift	-----			
14	1,2-Dichloroethane	10.000	10.746	-7.5	130	0.00	7.69
15	Trichloroethene	10.000	9.894	1.1	120	0.00	8.05
	----- AvgRF	CCRF	%Dev	-----			
16	1,2-Dichloropropane	0.397	0.387	2.5	123	0.00	8.58
	----- Amount	Calc.	%Drift	-----			
17	cis-1,3-Dichloropropene	10.000	9.798	2.0	119	0.00	9.24
	----- AvgRF	CCRF	%Dev	-----			
18 I	Chlorobenzene-d5	1.000	1.000	0.0	132	0.00	10.97
19 S	Toluene-d8	1.115	1.032	7.4	122	0.00	9.42
	----- Amount	Calc.	%Drift	-----			
20	trans-1,3-Dichloropropene	10.000	8.768	12.3	119	0.00	9.87
21	Tetrachloroethene	10.000	9.357	6.4	127	0.00	9.87
22	1,4-Dichlorobenzene	10.000	9.808	1.9	129	0.00	13.35
23	1,2-Dibromo-3-Chloropropa	10.000	8.319	16.8	114	0.00	14.52

(#) = Out of Range

SPCC's out = 0 CCC's out = 0

Continuing Calibration Summary

Job Number: FC18325
Account: AHTNACAS Ahtna Global, LLC
Project: Fort Ord Groundwater Monitoring

Sample: VZ3088-CC3084
Lab FileID: Z76697.D

Z76607.D SIMCL-08-28-2024.M

Tue Sep 03 09:39:48 2024

Continuing Calibration Summary

Job Number: FC18325
Account: AHTNACAS Ahtna Global, LLC
Project: Fort Ord Groundwater Monitoring

Sample: VZ3088-ECC3084
Lab FileID: Z76723.D

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\data\090324\Z76723.D Vial: 28
 Acq On : 3 Sep 2024 6:12 pm Operator: claudias
 Sample : ECC3084-5 Inst : MSVOA15-Z
 Misc : MS57405,VZ3088,,,,, Multiplr: 1.00
 MS Integration Params: micro.p

Method : C:\msdchem\1\met...MCL-08-28-2024.M (RTE Integrator)
 Title : Standard Methods 6200B
 Last Update : Wed Aug 28 11:30:23 2024
 Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 50% Max. Rel. Area : 200%

Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1 I Fluorobenzene	1.000	1.000	0.0	105	0.00	7.89
----- Amount Calc. %Drift -----						
2 Vinyl Chloride	10.000	11.771	-17.7	122	0.00	3.18
3 Chloromethane	10.000	12.588	-25.9	128	-0.01	3.12
4 1,1-Dichloroethene	10.000	12.675	-26.8	132	0.00	4.56
5 Methylene Chloride	10.000	21.329	-113.3#	177	0.00	5.21
6 trans-1,2-Dichloroethene	10.000	12.567	-25.7	132	0.00	5.38
7 1,1-Dichloroethane	10.000	13.068	-30.7	132	0.00	6.06
8 cis-1,2-Dichloroethene	10.000	11.636	-16.4	123	0.00	6.62
9 Chloroform	10.000	11.269	-12.7	121	0.00	6.88
10 Carbon Tetrachloride	10.000	9.755	2.4	108	0.00	7.05
11 1,1,1-Trichloroethane	10.000	11.451	-14.5	124	0.00	7.12
----- AvgRF CCRF %Dev -----						
12 Benzene	1.449	1.530	-5.6	120	0.00	7.49
13 S 1,2-Dichloroethane-d4	0.303	0.350	-15.5	124	0.00	7.62
----- Amount Calc. %Drift -----						
14 1,2-Dichloroethane	10.000	12.441	-24.4	131	0.00	7.69
15 Trichloroethene	10.000	10.521	-5.2	113	0.00	8.06
----- AvgRF CCRF %Dev -----						
16 1,2-Dichloropropane	0.397	0.432	-8.8	122	0.00	8.58
----- Amount Calc. %Drift -----						
17 cis-1,3-Dichloropropene	10.000	10.224	-2.2	110	0.00	9.24
----- AvgRF CCRF %Dev -----						
18 I Chlorobenzene-d5	1.000	1.000	0.0	119	0.00	10.98
19 S Toluene-d8	1.115	1.043	6.5	111	0.00	9.43
----- Amount Calc. %Drift -----						
20 trans-1,3-Dichloropropene	10.000	8.964	10.4	110	0.00	9.87
21 Tetrachloroethene	10.000	8.777	12.2	108	0.00	9.87
22 1,4-Dichlorobenzene	10.000	9.643	3.6	114	0.00	13.35
23 1,2-Dibromo-3-Chloropropa	10.000	8.719	12.8	108	0.00	14.52

(#) = Out of Range

SPCC's out = 0 CCC's out = 0



6.7.4
6

Continuing Calibration Summary

Job Number: FC18325
Account: AHTNACAS Ahtna Global, LLC
Project: Fort Ord Groundwater Monitoring

Sample: VZ3088-ECC3084
Lab FileID: Z76723.D

Z76607.D SIMCL-08-28-2024.M

Wed Sep 04 07:15:42 2024

Run Sequence Report

Job Number: FC18325
Account: AHTNACAS Ahtna Global, LLC
Project: Fort Ord Groundwater Monitoring

Run ID: VZ3084	Method: SW846 8260D BY SIM	Instrument ID: GCMSZ
-----------------------	-----------------------------------	-----------------------------

Lab Sample ID	Lab File ID	Date/Time Analyzed	Prep QC Batch	Client Sample ID
VZ3084-BFB	Z76601.D	08/28/24 07:36	n/a	BFB Tune
VZ3084-IC3084	Z76603.D	08/28/24 08:29	n/a	Initial cal 1
VZ3084-IC3084	Z76604.D	08/28/24 08:51	n/a	Initial cal 2
VZ3084-IC3084	Z76605.D	08/28/24 09:24	n/a	Initial cal 3
VZ3084-IC3084	Z76606.D	08/28/24 09:47	n/a	Initial cal 4
VZ3084-ICC3084	Z76607.D	08/28/24 10:10	n/a	Initial cal 5
VZ3084-IC3084	Z76608.D	08/28/24 10:33	n/a	Initial cal 6
VZ3084-IC3084	Z76609.D	08/28/24 10:57	n/a	Initial cal 7
VZ3084-ICV3084	Z76611.D	08/28/24 11:43	n/a	Initial cal verification 5

Run Sequence Report

Job Number: FC18325
Account: AHTNACAS Ahtna Global, LLC
Project: Fort Ord Groundwater Monitoring

Run ID: VZ3088 **Method:** SW846 8260D BY SIM **Instrument ID:** GCMSZ

Lab Sample ID	Lab File ID	Date/Time Analyzed	Prep QC Batch	Client Sample ID
VZ3088-BFB	Z76696.D	09/03/24 07:02	n/a	BFB Tune
VZ3088-CC3084	Z76697.D	09/03/24 07:30	n/a	Continuing cal 5
VZ3088-BS	Z76698.D	09/03/24 08:05	n/a	Blank Spike
VZ3088-MB	Z76700.D	09/03/24 09:10	n/a	Method Blank
FC18325-1	Z76701.D	09/03/24 09:49	n/a	2434W0BW221A
FC18325-2	Z76702.D	09/03/24 10:12	n/a	2434W0BW204C
FC18325-11	Z76703.D	09/03/24 10:35	n/a	2434W0BW190B
FC18325-12	Z76704.D	09/03/24 10:58	n/a	2434Y0BW216A
FC18325-3	Z76705.D	09/03/24 11:21	n/a	2434W0BW164F
FC18325-4	Z76706.D	09/03/24 11:44	n/a	2434W0BW165F
FC18325-5	Z76707.D	09/03/24 12:06	n/a	2434W0BW166F
FC18325-6	Z76708.D	09/03/24 12:29	n/a	2434W0BW173D
FC18325-7	Z76709.D	09/03/24 12:52	n/a	2434W0BW167F
FC18325-8	Z76710.D	09/03/24 13:15	n/a	2434W0U2148F
FC18325-9	Z76711.D	09/03/24 13:38	n/a	2434W0BW170F
FC18325-10	Z76712.D	09/03/24 14:01	n/a	2434W0BW171F
FC18325-13	Z76713.D	09/03/24 14:23	n/a	2434Z0BW178F
FC18325-14	Z76714.D	09/03/24 14:46	n/a	2434Z0BW179F
FC18325-15	Z76715.D	09/03/24 15:09	n/a	2434Y0BW199C
FC18325-16	Z76716.D	09/03/24 15:32	n/a	2434Z0BW177F
FC18325-17	Z76717.D	09/03/24 15:55	n/a	2434Z0BW225D
FC18325-18	Z76718.D	09/03/24 16:18	n/a	2434X0BW021F
ZZZZZZ	Z76719.D	09/03/24 16:41	n/a	(unrelated sample)
ZZZZZZ	Z76720.D	09/03/24 17:03	n/a	(unrelated sample)
FC18325-4MS	Z76721.D	09/03/24 17:26	n/a	Matrix Spike
FC18325-4MSD	Z76722.D	09/03/24 17:49	n/a	Matrix Spike Duplicate
VZ3088-ECC3084	Z76723.D	09/03/24 18:12	n/a	Ending cal 5

MS Volatiles

Raw Data

7

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\090324\
Data File : Z76701.D
Acq On : 3 Sep 2024 9:49 am
Operator : claudias
Sample : FC18325-1 Inst : MSVOA15-Z
Misc : MS57405,VZ3088,,,,,
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Sep 03 10:31:35 2024
Quant Method : C:\msdchem\1\methods\SIMCL-08-28-2024.M
Quant Title : Standard Methods 6200B
QLast Update : Wed Aug 28 11:30:23 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Fluorobenzene	7.895	96	21008	5.00	ug/L	0.00
18) Chlorobenzene-d5	10.975	117	24863	5.00	ug/L	0.00
System Monitoring Compounds						
13) 1,2-Dichloroethane-d4	7.621	65	6712	5.27	ug/L	0.00
Spiked Amount	5.000	Range 74 - 125	Recovery	=	105.40%	
19) Toluene-d8	9.428	98	25939	4.68	ug/L	0.00
Spiked Amount	5.000	Range 88 - 111	Recovery	=	93.60%	
Target Compounds						
5) Methylene Chloride	5.208	49	254	0.08	ug/L	Qvalue 98

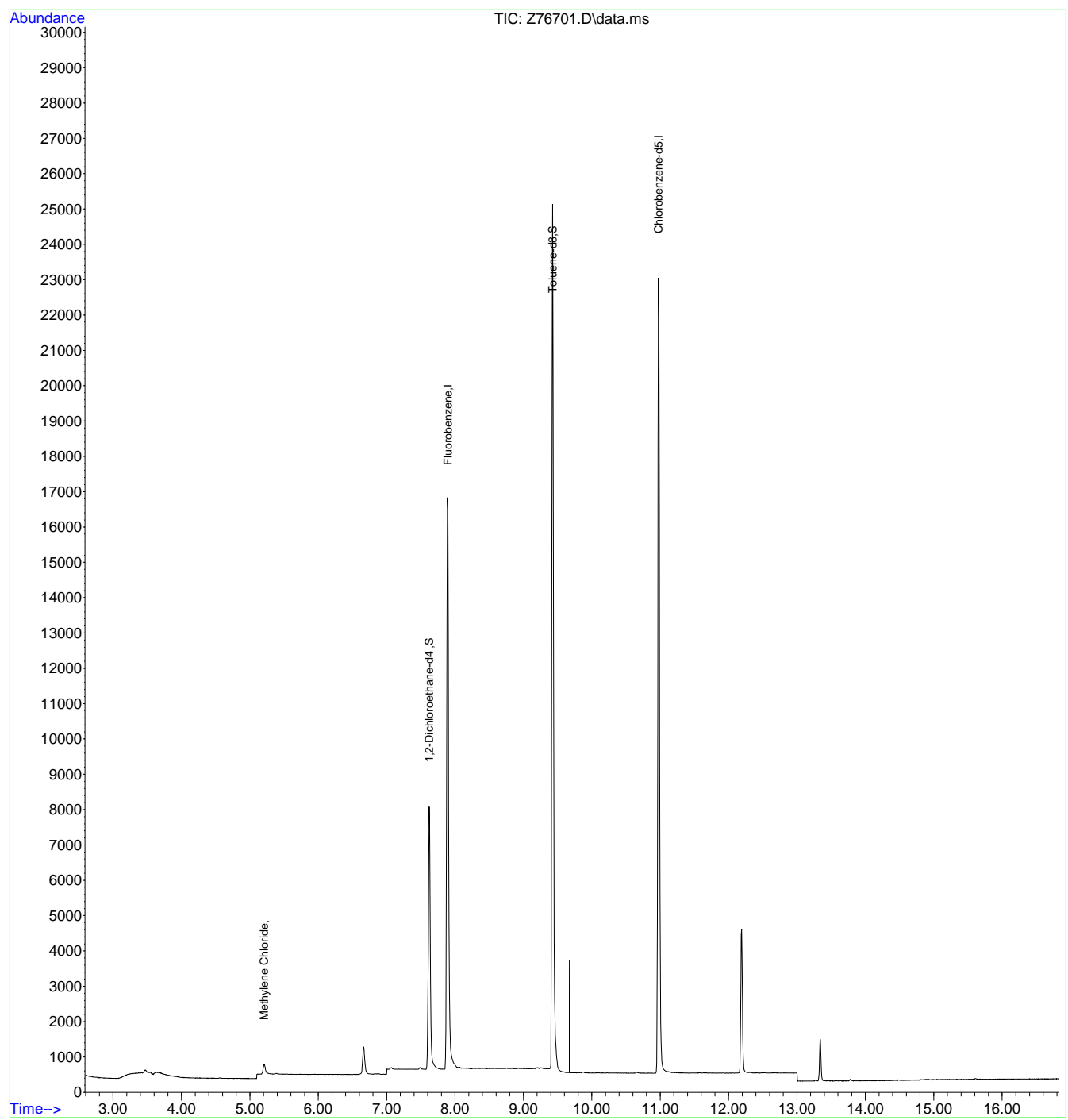
(#) = qualifier out of range (m) = manual integration (+) = signals summed

7.1.1
7

Quantitation Report (QT Reviewed)

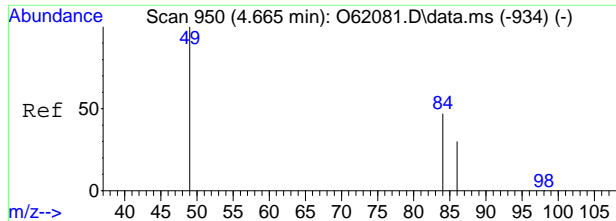
Data Path : C:\msdchem\1\data\090324\
Data File : Z76701.D
Acq On : 3 Sep 2024 9:49 am
Operator : claudias
Sample : FC18325-1 Inst : MSVOA15-Z
Misc : MS57405,VZ3088,,,,,
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Sep 03 10:31:35 2024
Quant Method : C:\msdchem\1\methods\SIMCL-08-28-2024.M
Quant Title : Standard Methods 6200B
QLast Update : Wed Aug 28 11:30:23 2024
Response via : Initial Calibration



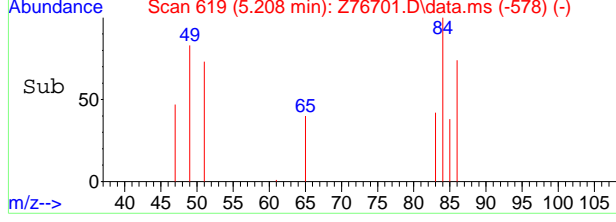
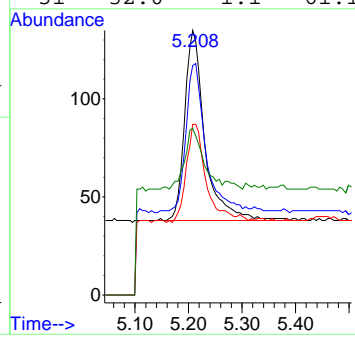
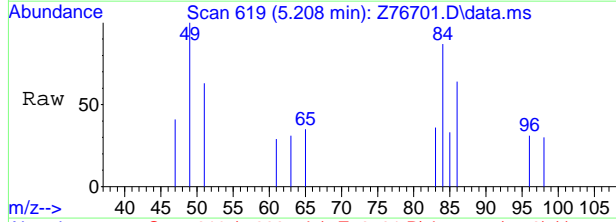
7.1.1
7





#5
 Methylene Chloride
 Concen: 0.08 ug/L
 RT: 5.208 min Scan# 619
 Delta R.T. -0.005 min
 Lab File: Z76701.D
 Acq: 3 Sep 2024 9:49 am

Tgt Ion	Ratio	Lower	Upper
49	100		
84	77.3	49.7	109.7
86	51.5	22.0	82.0
51	32.0	1.1	61.1



7.1.1
7



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\090324\
Data File : Z76702.D
Acq On : 3 Sep 2024 10:12 am
Operator : claudias
Sample : FC18325-2 Inst : MSVOA15-Z
Misc : MS57405,VZ3088,,,,,
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Sep 03 10:35:54 2024
Quant Method : C:\msdchem\1\methods\SIMCL-08-28-2024.M
Quant Title : Standard Methods 6200B
QLast Update : Wed Aug 28 11:30:23 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Fluorobenzene	7.894	96	20646	5.00	ug/L	0.00
18) Chlorobenzene-d5	10.980	117	24763	5.00	ug/L	0.00
System Monitoring Compounds						
13) 1,2-Dichloroethane-d4	7.628	65	7041	5.63	ug/L	0.00
Spiked Amount	5.000	Range 74 - 125	Recovery	=	112.60%	
19) Toluene-d8	9.428	98	25657	4.65	ug/L	0.00
Spiked Amount	5.000	Range 88 - 111	Recovery	=	93.00%	
Target Compounds						
5) Methylene Chloride	5.213	49	202	0.06	ug/L	Qvalue # 27

(#) = qualifier out of range (m) = manual integration (+) = signals summed

7.12
7

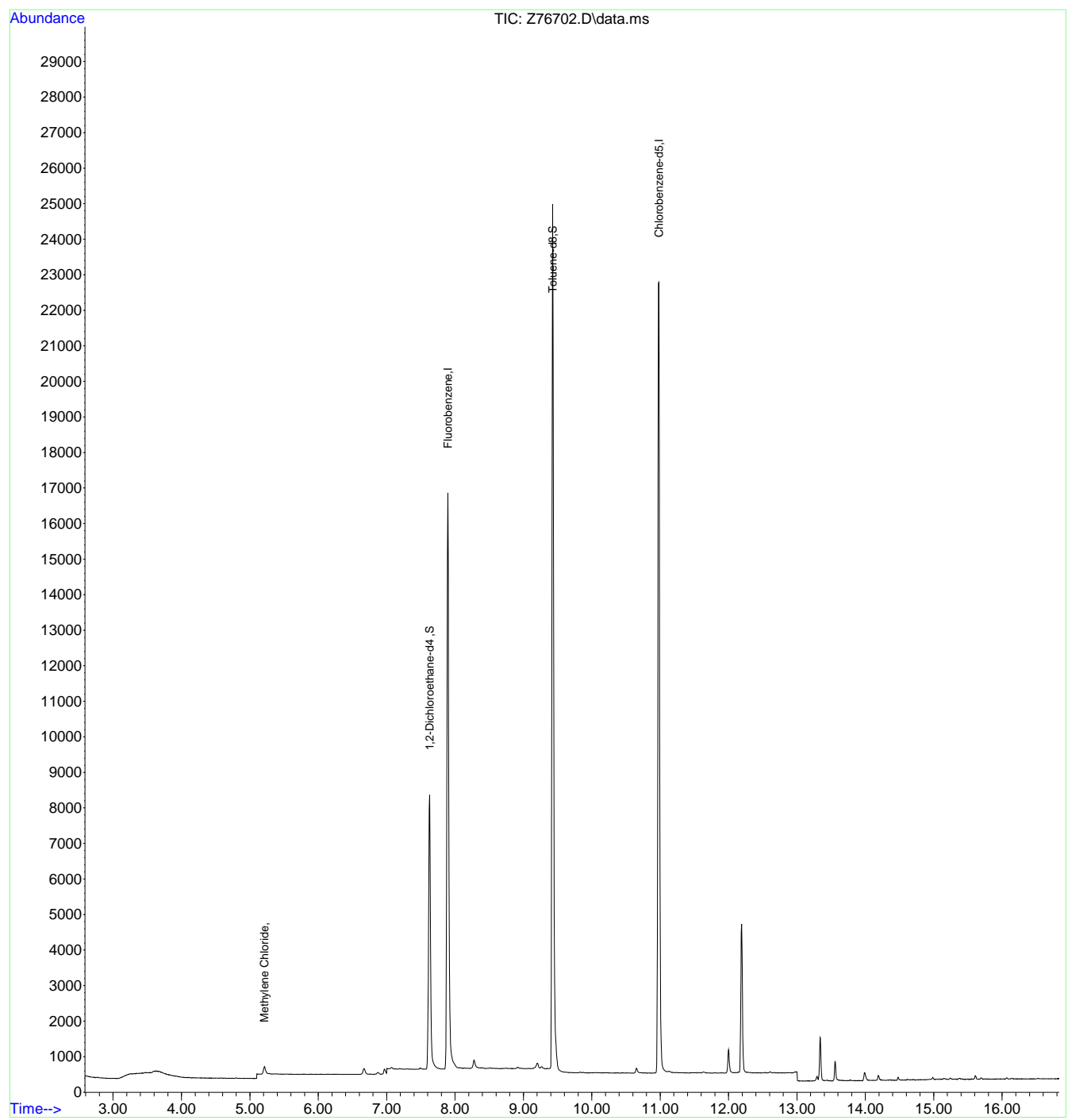


Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\090324\
Data File : Z76702.D
Acq On : 3 Sep 2024 10:12 am
Operator : claudias
Sample : FC18325-2
Misc : MS57405,VZ3088,,,,,
ALS Vial : 7 Sample Multiplier: 1

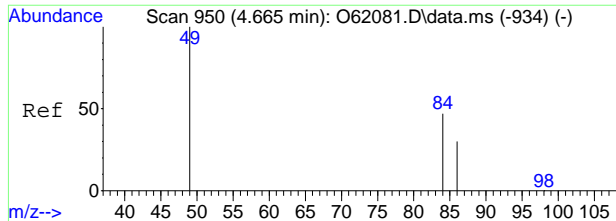
Inst : MSVOA15-Z

Quant Time: Sep 03 10:35:54 2024
Quant Method : C:\msdchem\1\methods\SIMCL-08-28-2024.M
Quant Title : Standard Methods 6200B
QLast Update : Wed Aug 28 11:30:23 2024
Response via : Initial Calibration



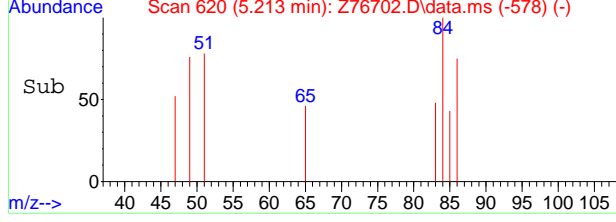
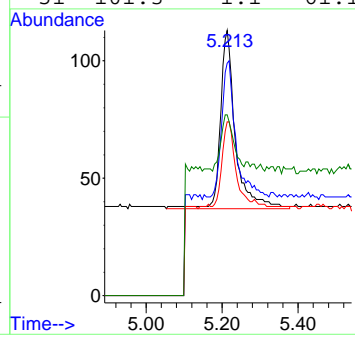
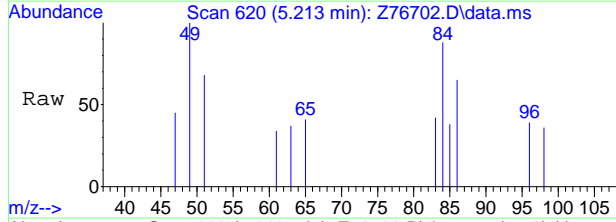
7.1.2
7





#5
 Methylene Chloride
 Concen: 0.06 ug/L
 RT: 5.213 min Scan# 620
 Delta R.T. 0.000 min
 Lab File: Z76702.D
 Acq: 3 Sep 2024 10:12 am

Tgt Ion	Ratio	Lower	Upper
49	100		
84	130.3	49.7	109.7#
86	97.4	22.0	82.0#
51	101.3	1.1	61.1#



7.12
7



Manual Integrations
APPROVED
 (compounds with "m" flag)
 Karen Watson
 09/04/24 09:30

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\090324\
 Data File : Z76705.D
 Acq On : 3 Sep 2024 11:21 am
 Operator : claudias
 Sample : FC18325-3 Inst : MSVOA15-Z
 Misc : MS57405,VZ3088,,,,,
 ALS Vial : 10 Sample Multiplier: 1

Quant Time: Sep 03 11:40:11 2024
 Quant Method : C:\msdchem\1\methods\SIMCL-08-28-2024.M
 Quant Title : Standard Methods 6200B
 QLast Update : Wed Aug 28 11:30:23 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	

Internal Standards							
1) Fluorobenzene	7.895	96	20703	5.00	ug/L	0.00	
18) Chlorobenzene-d5	10.981	117	24392	5.00	ug/L	0.00	
System Monitoring Compounds							
13) 1,2-Dichloroethane-d4	7.621	65	6771	5.40	ug/L	0.00	
Spiked Amount	5.000	Range 74 - 125	Recovery	=	108.00%		
19) Toluene-d8	9.428	98	25643	4.71	ug/L	0.00	
Spiked Amount	5.000	Range 88 - 111	Recovery	=	94.20%		
Target Compounds							
							Qvalue
5) Methylene Chloride	5.208	49	195	0.06	ug/L		96
8) cis-1,2-Dichloroethene	6.625	96	325	0.16	ug/L		94
9) Chloroform	6.883	83	412m	0.11	ug/L		
15) Trichloroethene	8.061	95	4139	2.52	ug/L		92
21) Tetrachloroethene	9.874	166	312	0.17	ug/L #		91

(#) = qualifier out of range (m) = manual integration (+) = signals summed

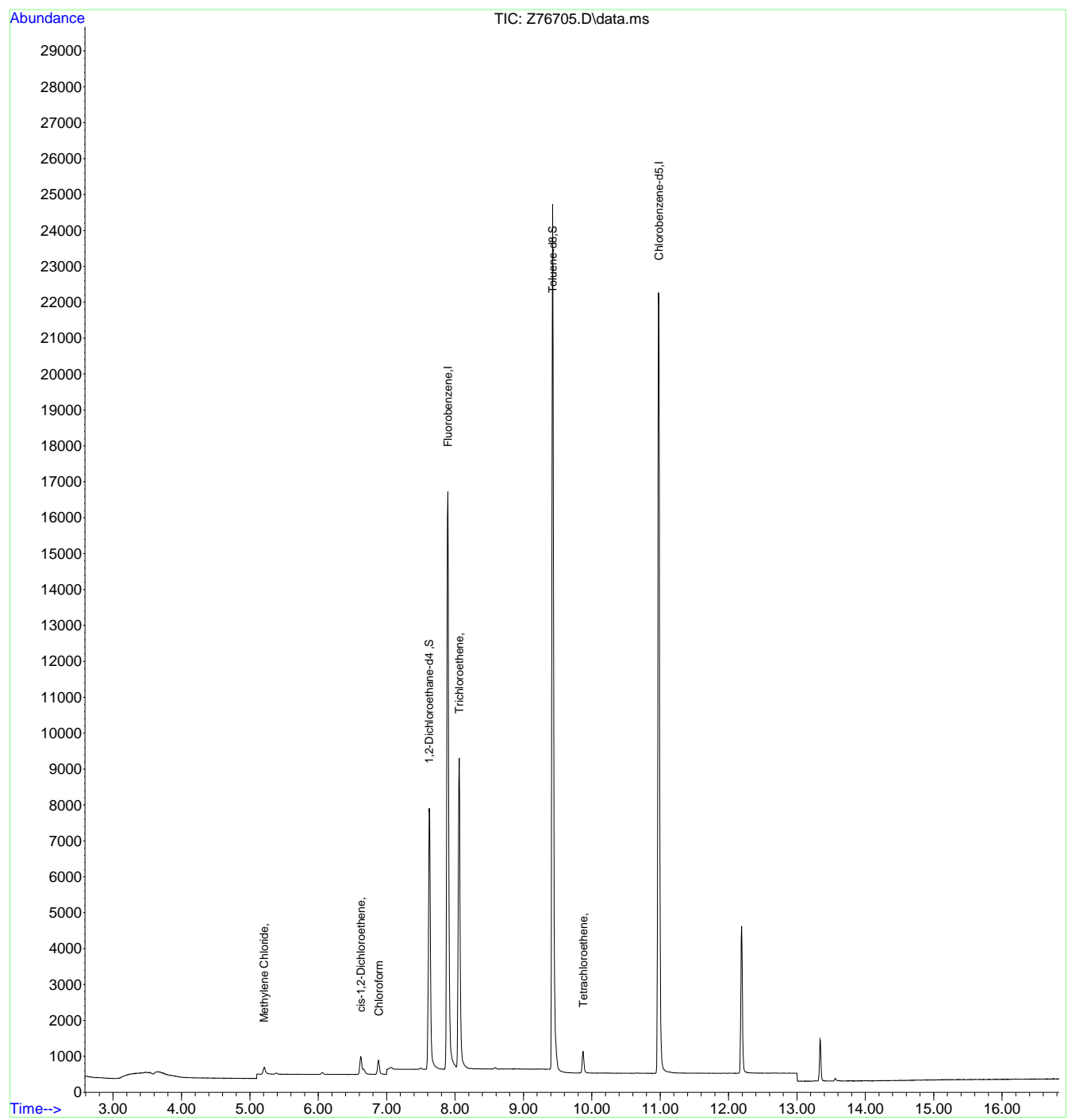
7.1.3
7

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\090324\
Data File : Z76705.D
Acq On : 3 Sep 2024 11:21 am
Operator : claudias
Sample : FC18325-3
Misc : MS57405,VZ3088,,,,,
ALS Vial : 10 Sample Multiplier: 1

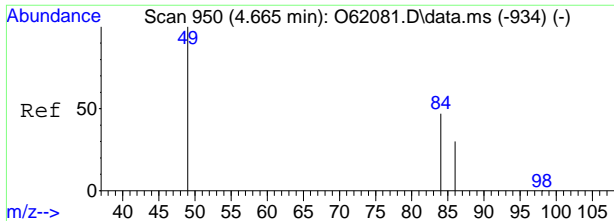
Inst : MSVOA15-Z

Quant Time: Sep 03 11:40:11 2024
Quant Method : C:\msdchem\1\methods\SIMCL-08-28-2024.M
Quant Title : Standard Methods 6200B
QLast Update : Wed Aug 28 11:30:23 2024
Response via : Initial Calibration



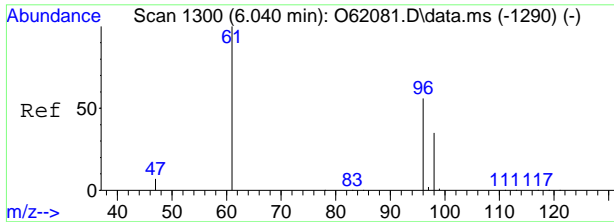
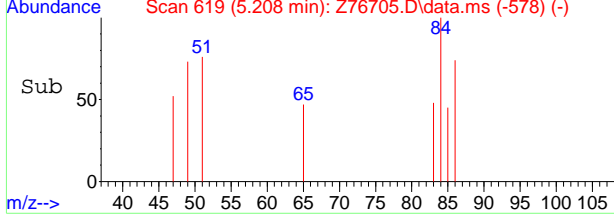
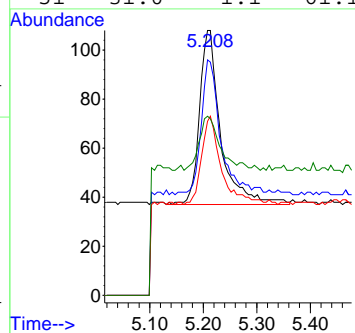
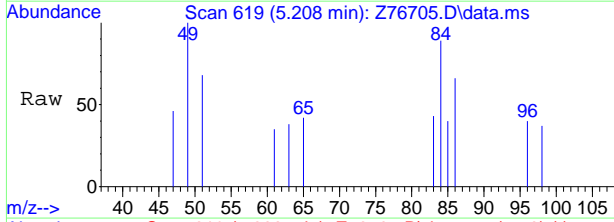
7.1.3
7





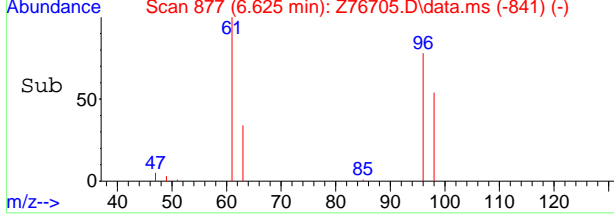
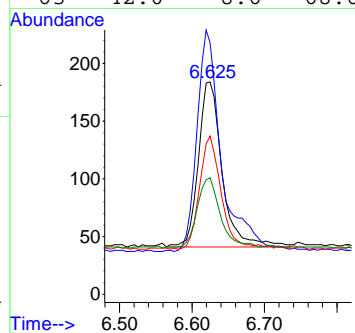
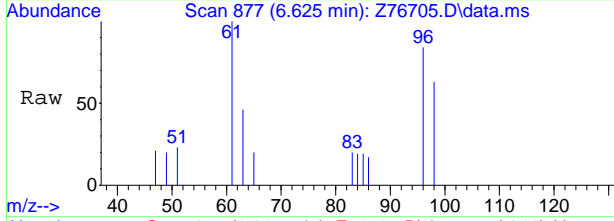
#5
Methylene Chloride
Concen: 0.06 ug/L
RT: 5.208 min Scan# 619
Delta R.T. -0.005 min
Lab File: Z76705.D
Acq: 3 Sep 2024 11:21 am

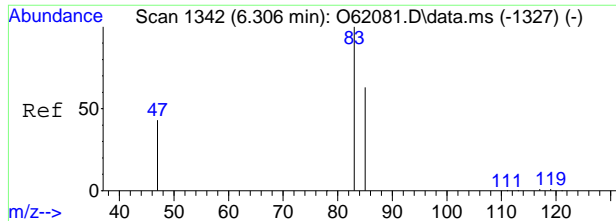
Tgt Ion	Ratio	Lower	Upper
49	100		
84	76.1	49.7	109.7
86	47.9	22.0	82.0
51	31.0	1.1	61.1



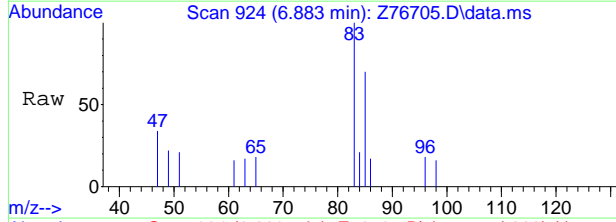
#8
cis-1,2-Dichloroethene
Concen: 0.16 ug/L
RT: 6.625 min Scan# 877
Delta R.T. -0.000 min
Lab File: Z76705.D
Acq: 3 Sep 2024 11:21 am

Tgt Ion	Ratio	Lower	Upper
96	100		
61	125.9	87.8	147.8
98	67.8	34.4	94.4
63	42.0	8.6	68.6



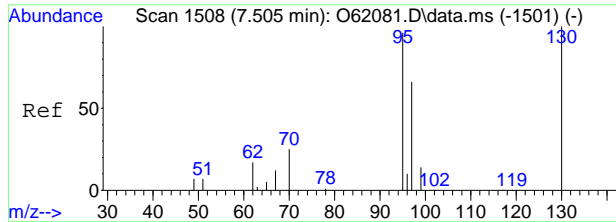
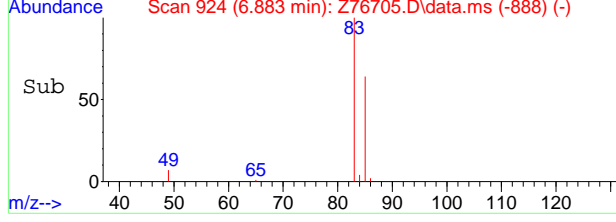
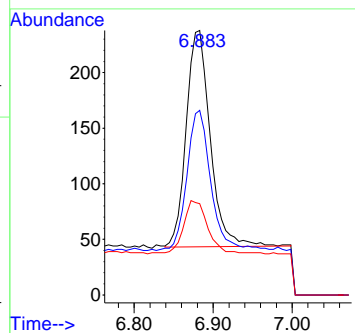


#9
 Chloroform
 Concen: 0.11 ug/L m
 RT: 6.883 min Scan# 924
 Delta R.T. 0.000 min
 Lab File: Z76705.D
 Acq: 3 Sep 2024 11:21 am

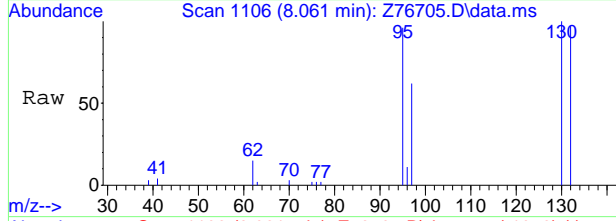


Tgt Ion: 83 Resp: 412

Ion	Ratio	Lower	Upper
83	100		
85	69.7	35.9	95.9
47	34.5	0.0	51.0

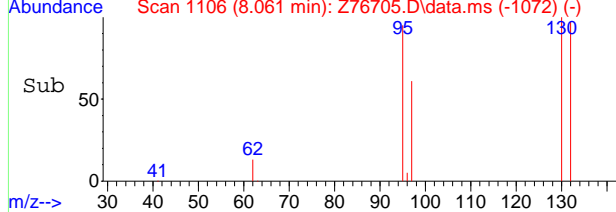
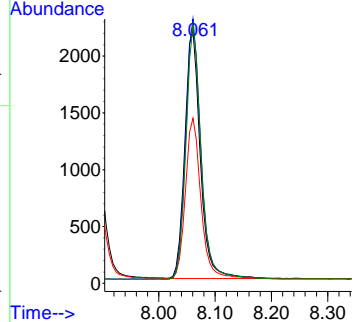


#15
 Trichloroethene
 Concen: 2.52 ug/L
 RT: 8.061 min Scan# 1106
 Delta R.T. -0.000 min
 Lab File: Z76705.D
 Acq: 3 Sep 2024 11:21 am



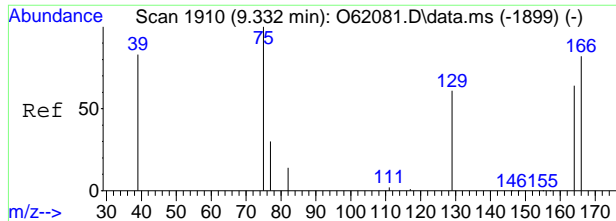
Tgt Ion: 95 Resp: 4139

Ion	Ratio	Lower	Upper
95	100		
130	104.8	84.5	144.5
97	64.5	36.4	96.4
132	102.1	83.5	143.5

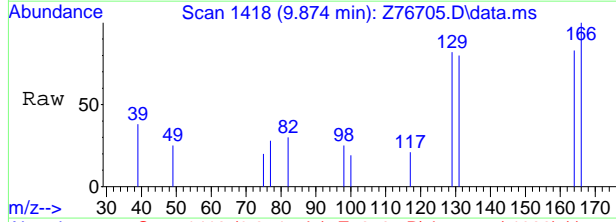


7.1.3
7



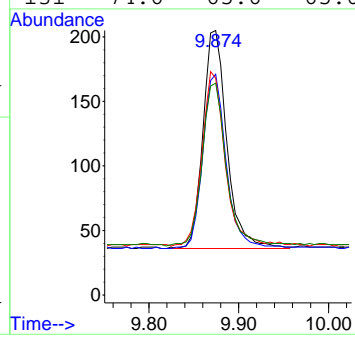
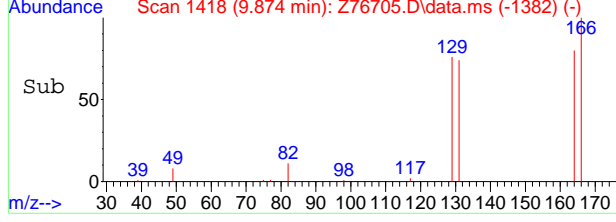


#21
 Tetrachloroethene
 Concen: 0.17 ug/L
 RT: 9.874 min Scan# 1418
 Delta R.T. 0.000 min
 Lab File: Z76705.D
 Acq: 3 Sep 2024 11:21 am



Tgt Ion:166 Resp: 312

Ion	Ratio	Lower	Upper
166	100		
164	79.9	47.5	107.5
129	76.3	34.2	94.2
131	74.6	65.6	65.6#



7.1.3
7



Manual Integration Approval Summary

Sample Number: FC18325-3 **Method:** SW846 8260D BY SIM
Lab FileID: Z76705.D **Analyst approved:** 09/04/24 07:58 Claudia Sosa
Injection Time: 09/03/24 11:21 **Supervisor approved:** 09/04/24 09:30 Karen Watson

Parameter	CAS	Sig#	R.T. (min.)	Reason
Chloroform	67-66-3		6.88	Poor instrument integration

7.1.3.1

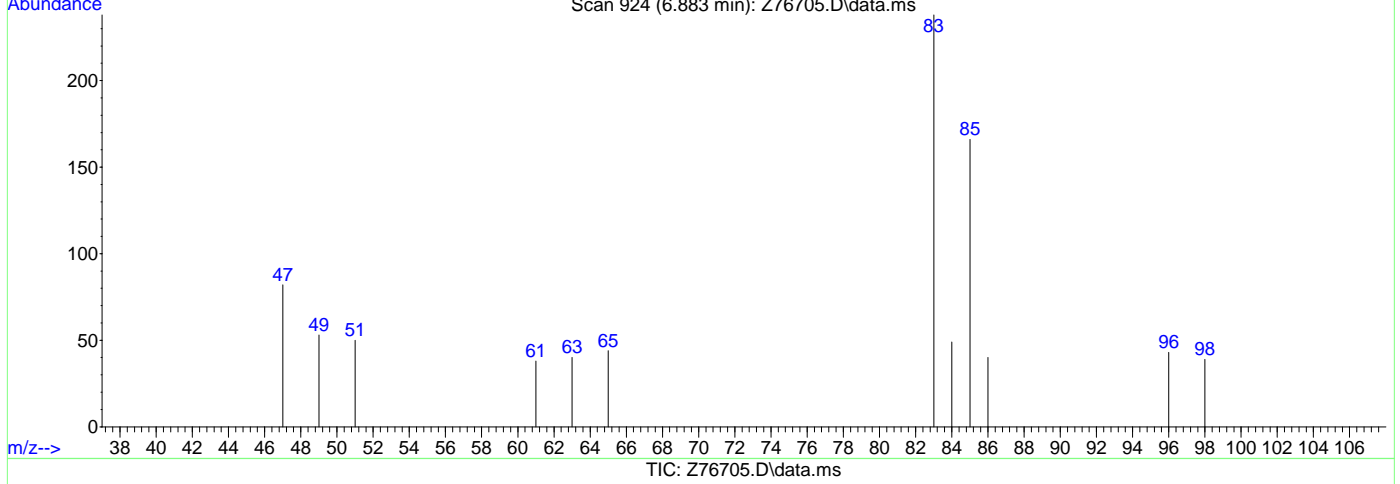
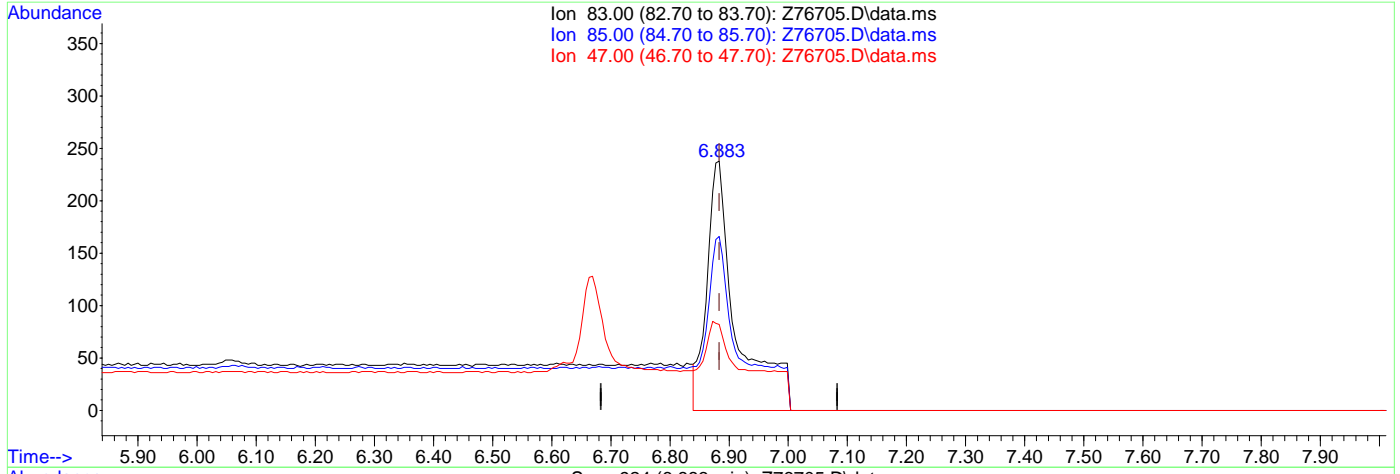
7

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\090324\
Data File : Z76705.D
Acq On : 3 Sep 2024 11:21 am
Operator : claudias
Sample : FC18325-3
Misc : MS57405,VZ3088,,,,,
ALS Vial : 10 Sample Multiplier: 1

Inst : MSVOA15-Z

Quant Time: Sep 03 11:39:21 2024
Quant Method : C:\msdchem\1\methods\SIMCL-08-28-2024.M
Quant Title : Standard Methods 6200B
QLast Update : Wed Aug 28 11:30:23 2024
Response via : Initial Calibration



(9) Chloroform

6.883min (+0.000) 0.23ug/L

response 834

Ion	Exp%	Act%
83.00	100	100
85.00	65.90	69.75
47.00	21.00	34.45
0.00	0.00	0.00



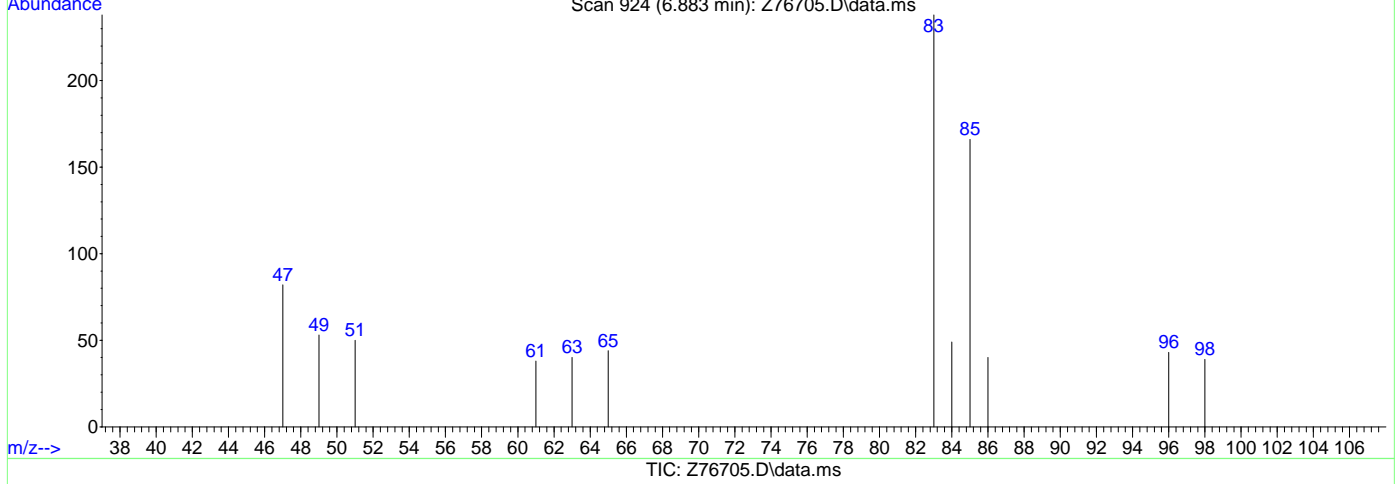
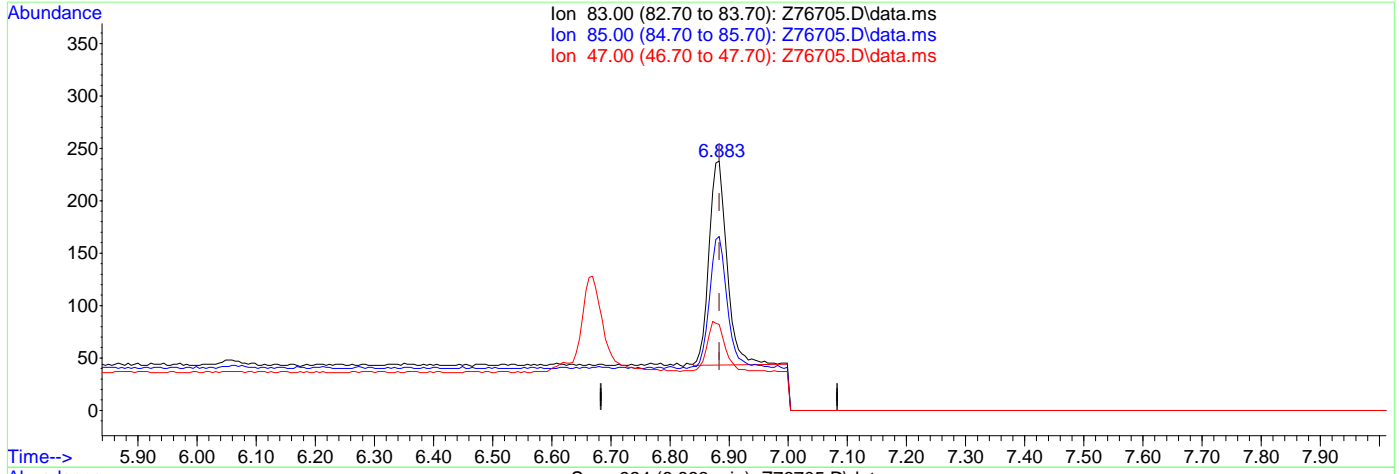
7.1.3.2
7

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\090324\
Data File : Z76705.D
Acq On : 3 Sep 2024 11:21 am
Operator : claudias
Sample : FC18325-3
Misc : MS57405,VZ3088,,,,,
ALS Vial : 10 Sample Multiplier: 1

Inst : MSVOA15-Z

Quant Time: Sep 03 11:39:21 2024
Quant Method : C:\msdchem\1\methods\SIMCL-08-28-2024.M
Quant Title : Standard Methods 6200B
QLast Update : Wed Aug 28 11:30:23 2024
Response via : Initial Calibration



(9) Chloroform
6.883min (+0.000) 0.11ug/L m
response 412

Ion	Exp%	Act%
83.00	100	100
85.00	65.90	69.75
47.00	21.00	34.45
0.00	0.00	0.00



7.1.3.3
7

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\090324\
Data File : Z76706.D
Acq On : 3 Sep 2024 11:44 am
Operator : claudias
Sample : FC18325-4
Misc : MS57405,VZ3088,,,,,
ALS Vial : 11 Sample Multiplier: 1
Inst : MSVOA15-Z

Quant Time: Sep 03 12:11:58 2024
Quant Method : C:\msdchem\1\methods\SIMCL-08-28-2024.M
Quant Title : Standard Methods 6200B
QLast Update : Wed Aug 28 11:30:23 2024
Response via : Initial Calibration

Table with 7 columns: Compound, R.T., QIon, Response, Conc, Units, Dev(Min). Rows include Internal Standards (Fluorobenzene, Chlorobenzene-d5), System Monitoring Compounds (1,2-Dichloroethane-d4, Toluene-d8), and Target Compounds (Methylene Chloride, cis-1,2-Dichloroethene, Trichloroethene, Tetrachloroethene).

(#) = qualifier out of range (m) = manual integration (+) = signals summed

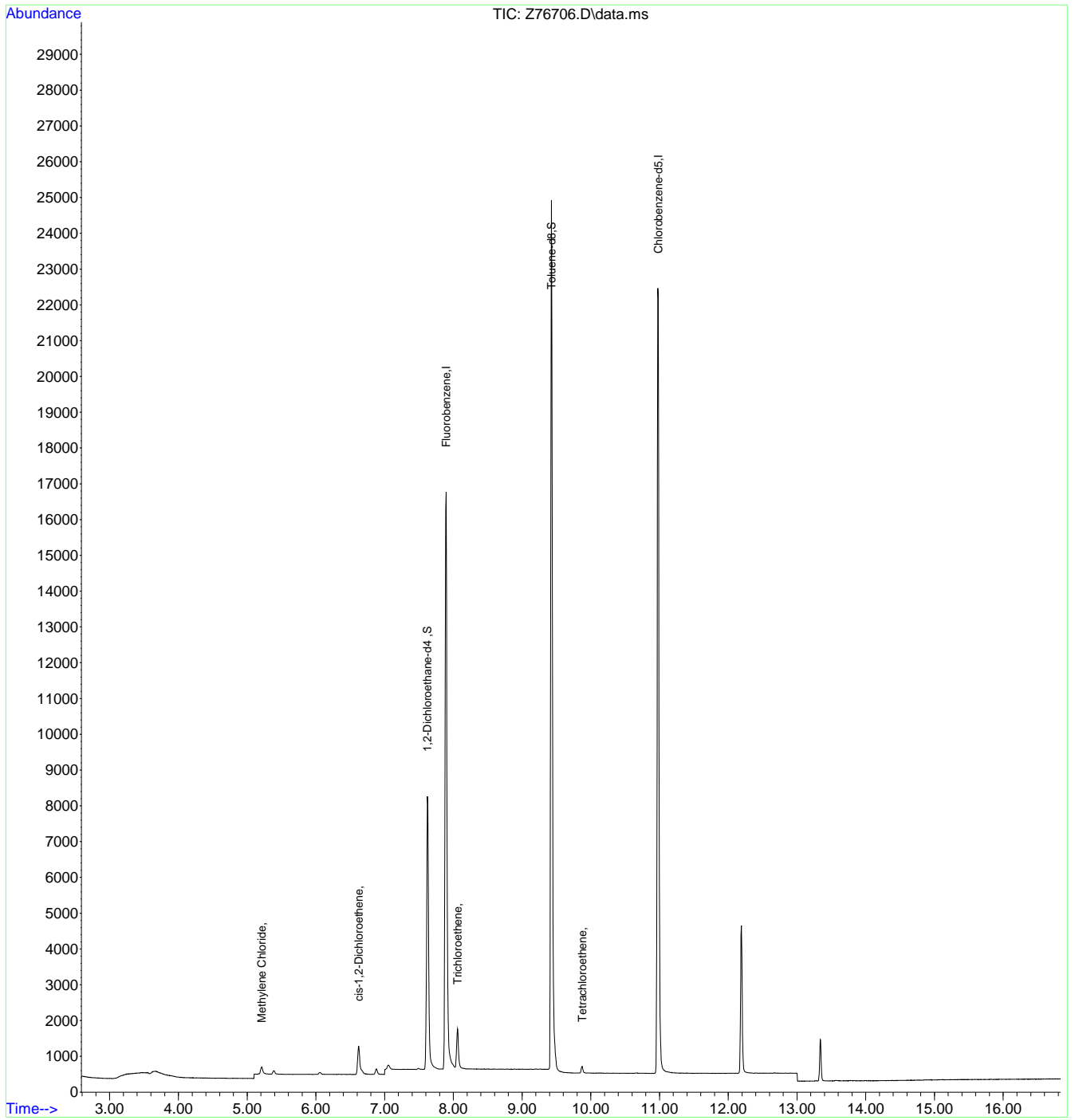
7.14
7

Quantitation Report (QT Reviewed)

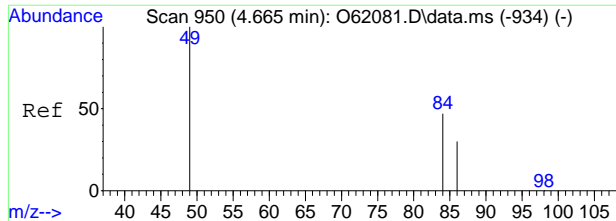
Data Path : C:\msdchem\1\data\090324\
Data File : Z76706.D
Acq On : 3 Sep 2024 11:44 am
Operator : claudias
Sample : FC18325-4
Misc : MS57405,VZ3088,,,,,
ALS Vial : 11 Sample Multiplier: 1

Inst : MSVOA15-Z

Quant Time: Sep 03 12:11:58 2024
Quant Method : C:\msdchem\1\methods\SIMCL-08-28-2024.M
Quant Title : Standard Methods 6200B
QLast Update : Wed Aug 28 11:30:23 2024
Response via : Initial Calibration



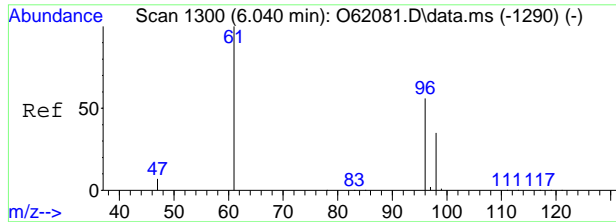
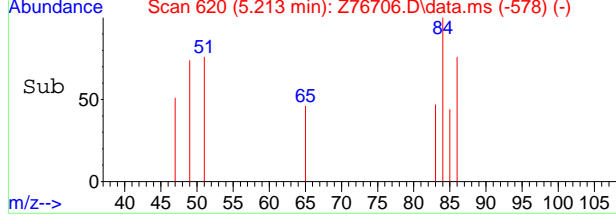
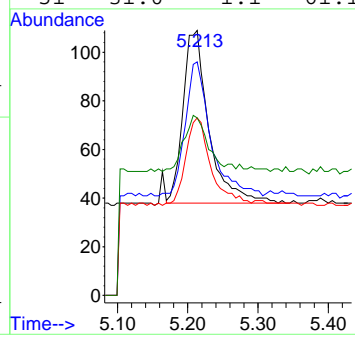
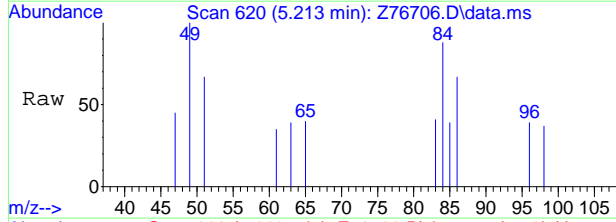
7.1.4
7



#5
Methylene Chloride
Concen: 0.06 ug/L
RT: 5.213 min Scan# 620
Delta R.T. 0.000 min
Lab File: Z76706.D
Acq: 3 Sep 2024 11:44 am

Tgt Ion: 49 Resp: 182

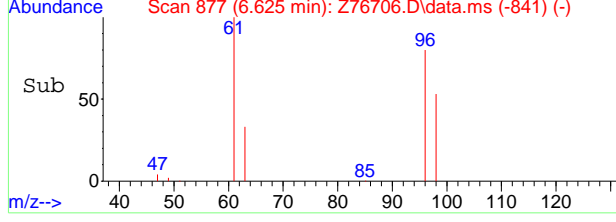
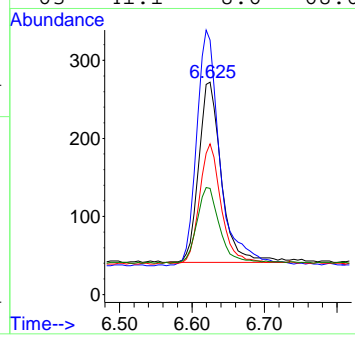
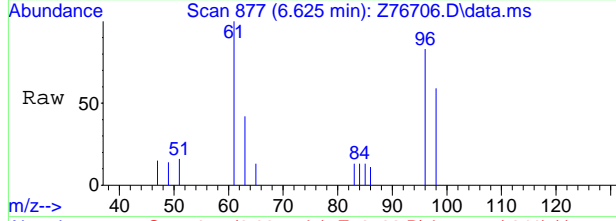
Ion	Ratio	Lower	Upper
49	100		
84	76.1	49.7	109.7
86	49.3	22.0	82.0
51	31.0	1.1	61.1

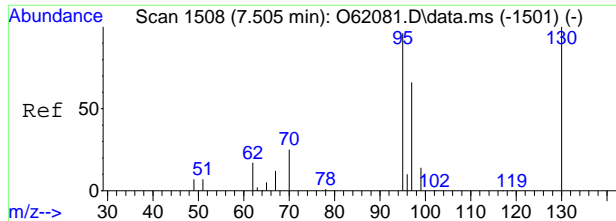


#8
cis-1,2-Dichloroethene
Concen: 0.25 ug/L
RT: 6.625 min Scan# 877
Delta R.T. -0.000 min
Lab File: Z76706.D
Acq: 3 Sep 2024 11:44 am

Tgt Ion: 96 Resp: 504

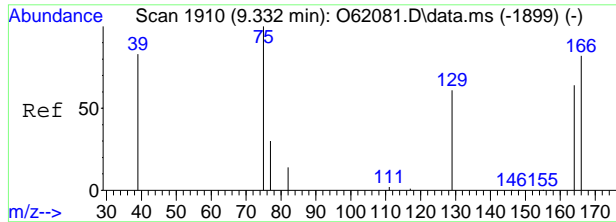
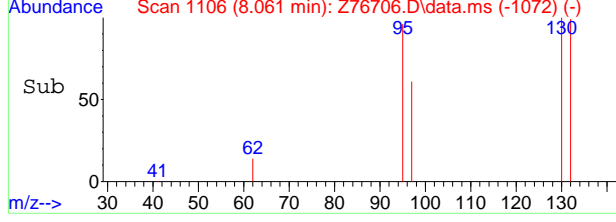
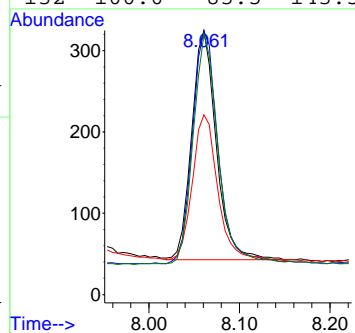
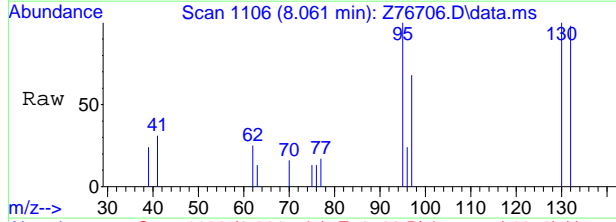
Ion	Ratio	Lower	Upper
96	100		
61	125.1	87.8	147.8
98	65.8	34.4	94.4
63	41.1	8.6	68.6





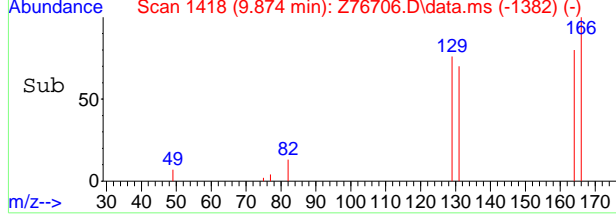
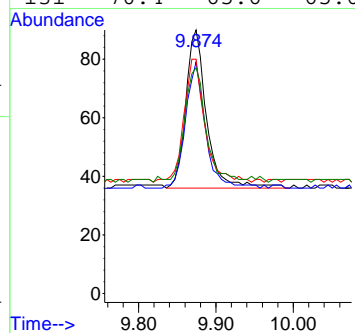
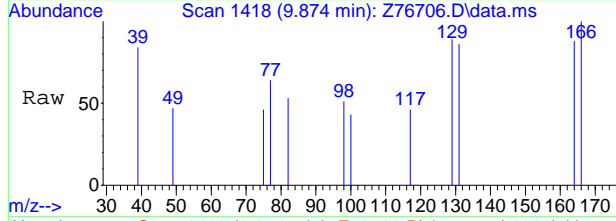
#15
 Trichloroethene
 Concen: 0.32 ug/L
 RT: 8.061 min Scan# 1106
 Delta R.T. -0.000 min
 Lab File: Z76706.D
 Acq: 3 Sep 2024 11:44 am

Tgt Ion	Resp	Lower	Upper
95	532		
130	101.4	84.5	144.5
97	63.1	36.4	96.4
132	100.0	83.5	143.5



#21
 Tetrachloroethene
 Concen: 0.05 ug/L
 RT: 9.874 min Scan# 1418
 Delta R.T. 0.000 min
 Lab File: Z76706.D
 Acq: 3 Sep 2024 11:44 am

Tgt Ion	Resp	Lower	Upper
166	101		
166	100		
164	79.6	47.5	107.5
129	75.9	34.2	94.2
131	70.4	65.6	65.6#



Manual Integrations
APPROVED
 (compounds with "m" flag)
 Karen Watson
 09/04/24 09:30

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\090324\
 Data File : Z76707.D
 Acq On : 3 Sep 2024 12:06 pm
 Operator : claudias
 Sample : FC18325-5 Inst : MSVOA15-Z
 Misc : MS57405,VZ3088,,,,,
 ALS Vial : 12 Sample Multiplier: 1

Quant Time: Sep 03 12:34:08 2024
 Quant Method : C:\msdchem\1\methods\SIMCL-08-28-2024.M
 Quant Title : Standard Methods 6200B
 QLast Update : Wed Aug 28 11:30:23 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Fluorobenzene	7.895	96	20677	5.00	ug/L	0.00
18) Chlorobenzene-d5	10.981	117	24361	5.00	ug/L	0.00
System Monitoring Compounds						
13) 1,2-Dichloroethane-d4	7.628	65	6878	5.49	ug/L	0.00
Spiked Amount	5.000	Range 74 - 125	Recovery	=	109.80%	
19) Toluene-d8	9.429	98	25613	4.71	ug/L	0.00
Spiked Amount	5.000	Range 88 - 111	Recovery	=	94.20%	
Target Compounds						
5) Methylene Chloride	5.213	49	220	0.07	ug/L	Qvalue 90
9) Chloroform	6.883	83	707m	0.19	ug/L	
10) Carbon Tetrachloride	7.051	117	2671m	0.98	ug/L	

(#) = qualifier out of range (m) = manual integration (+) = signals summed

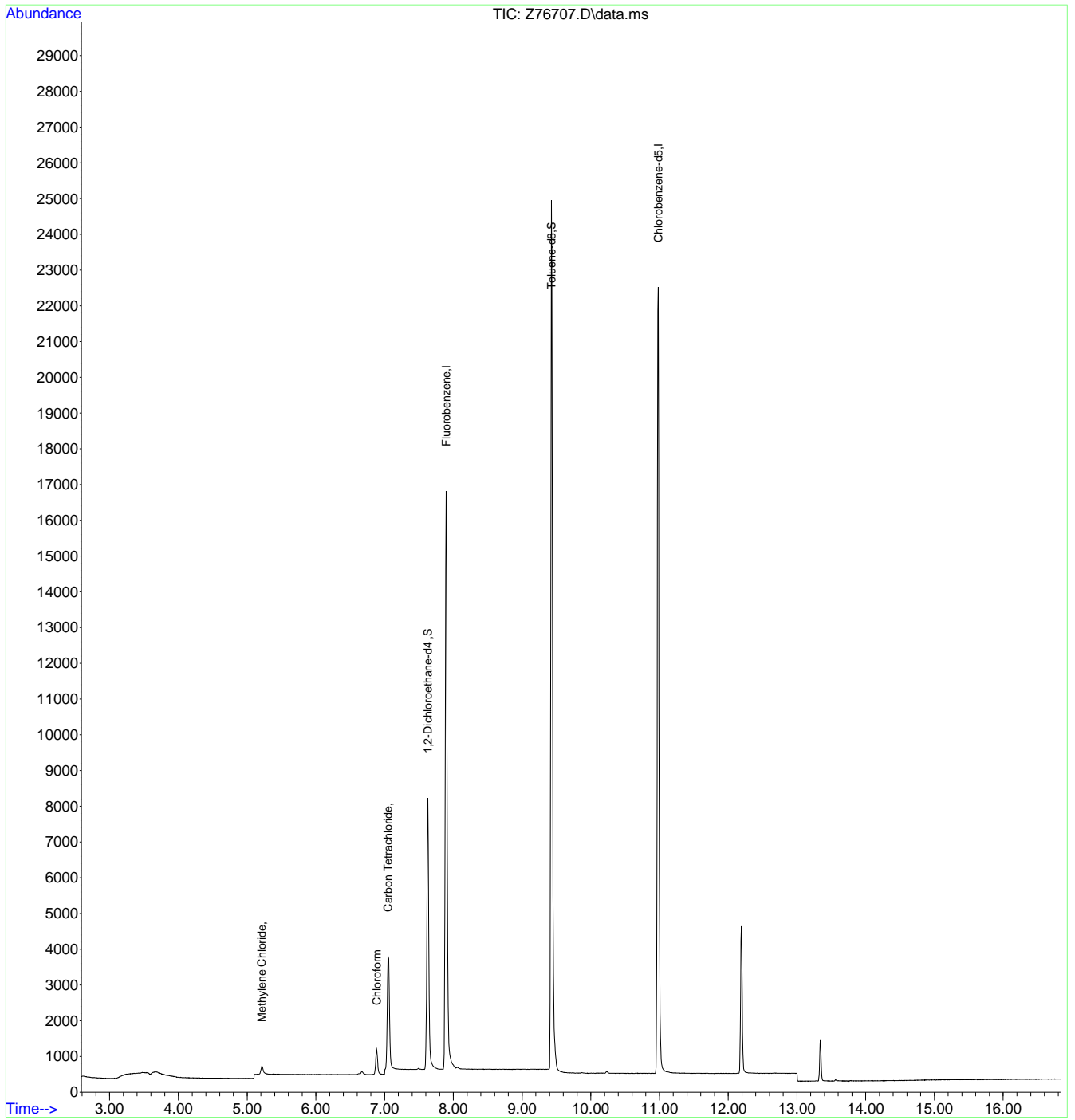
7.15
7

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\090324\
Data File : Z76707.D
Acq On : 3 Sep 2024 12:06 pm
Operator : claudias
Sample : FC18325-5
Misc : MS57405,VZ3088,,,,,
ALS Vial : 12 Sample Multiplier: 1

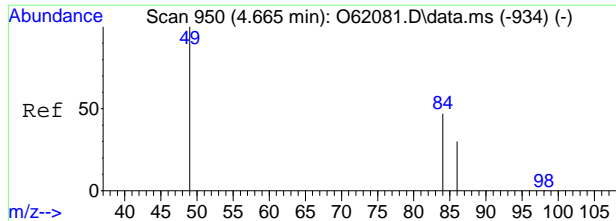
Inst : MSVOA15-Z

Quant Time: Sep 03 12:34:08 2024
Quant Method : C:\msdchem\1\methods\SIMCL-08-28-2024.M
Quant Title : Standard Methods 6200B
QLast Update : Wed Aug 28 11:30:23 2024
Response via : Initial Calibration



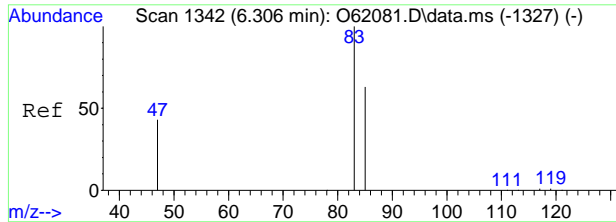
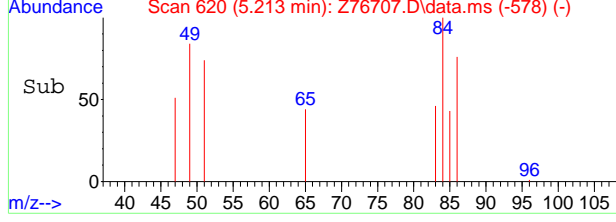
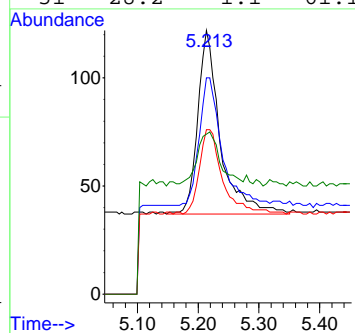
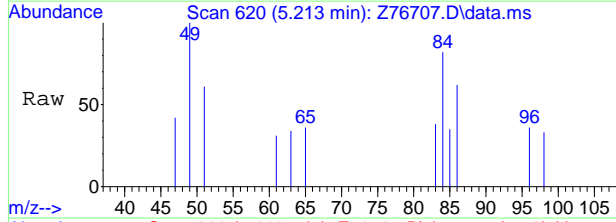
7.15
7





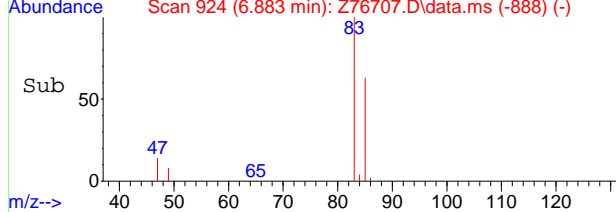
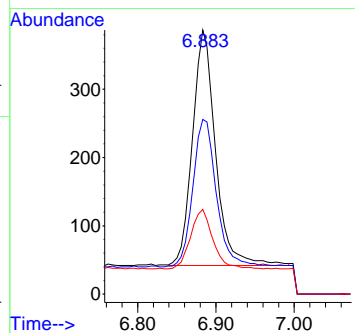
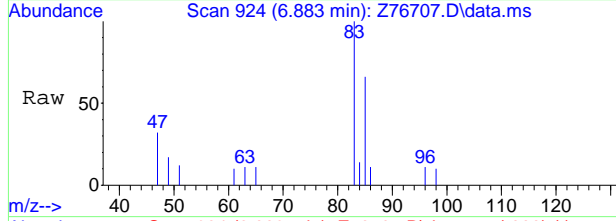
#5
 Methylene Chloride
 Concen: 0.07 ug/L
 RT: 5.213 min Scan# 620
 Delta R.T. 0.000 min
 Lab File: Z76707.D
 Acq: 3 Sep 2024 12:06 pm

Tgt Ion	Ratio	Lower	Upper
49	100		
84	69.4	49.7	109.7
86	44.7	22.0	82.0
51	28.2	1.1	61.1



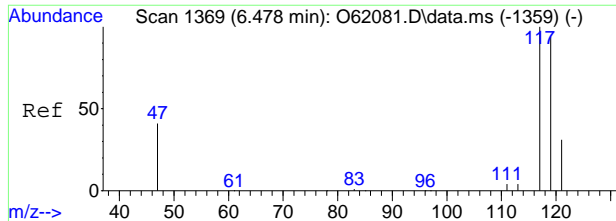
#9
 Chloroform
 Concen: 0.19 ug/L m
 RT: 6.883 min Scan# 924
 Delta R.T. 0.000 min
 Lab File: Z76707.D
 Acq: 3 Sep 2024 12:06 pm

Tgt Ion	Ratio	Lower	Upper
83	100		
85	66.1	35.9	95.9
47	32.0	0.0	51.0



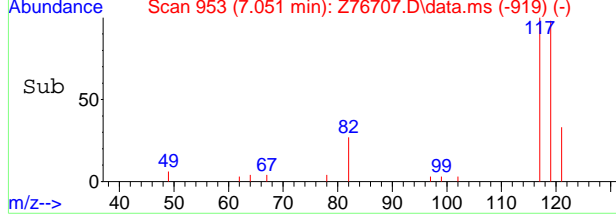
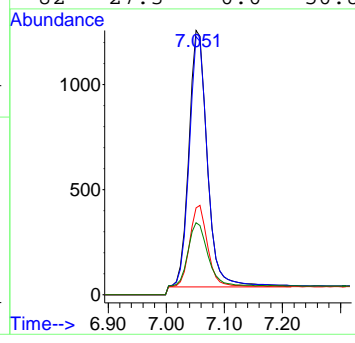
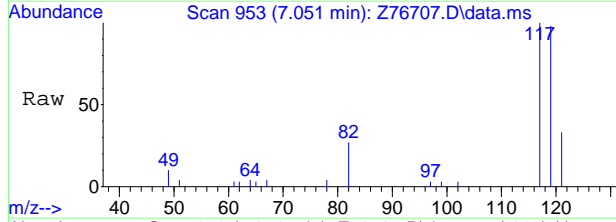
7.15
7





#10
 Carbon Tetrachloride
 Concen: 0.98 ug/L m
 RT: 7.051 min Scan# 953
 Delta R.T. -0.007 min
 Lab File: Z76707.D
 Acq: 3 Sep 2024 12:06 pm

Tgt Ion	Ratio	Lower	Upper
117	100		
119	97.6	66.2	126.2
121	32.9	1.2	61.2
82	27.3	0.0	50.8



7.1.5
7



Manual Integration Approval Summary

Sample Number: FC18325-5 **Method:** SW846 8260D BY SIM
Lab FileID: Z76707.D **Analyst approved:** 09/04/24 07:58 Claudia Sosa
Injection Time: 09/03/24 12:06 **Supervisor approved:** 09/04/24 09:30 Karen Watson

Parameter	CAS	Sig#	R.T. (min.)	Reason
Chloroform	67-66-3		6.88	Poor instrument integration
Carbon Tetrachloride	56-23-5		7.05	Poor instrument integration

7.1.5.1

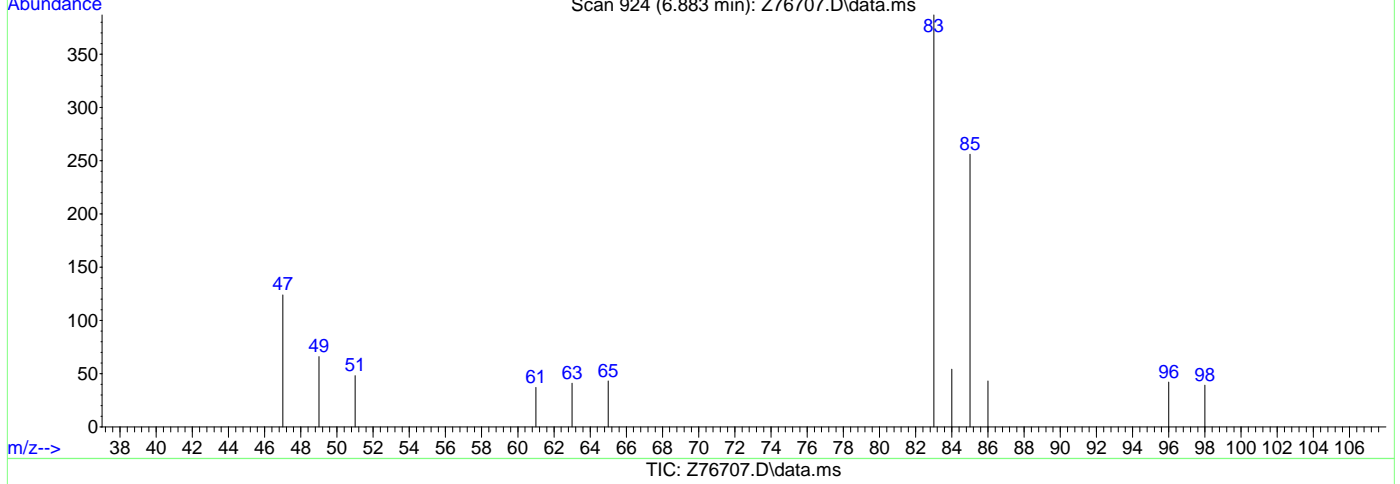
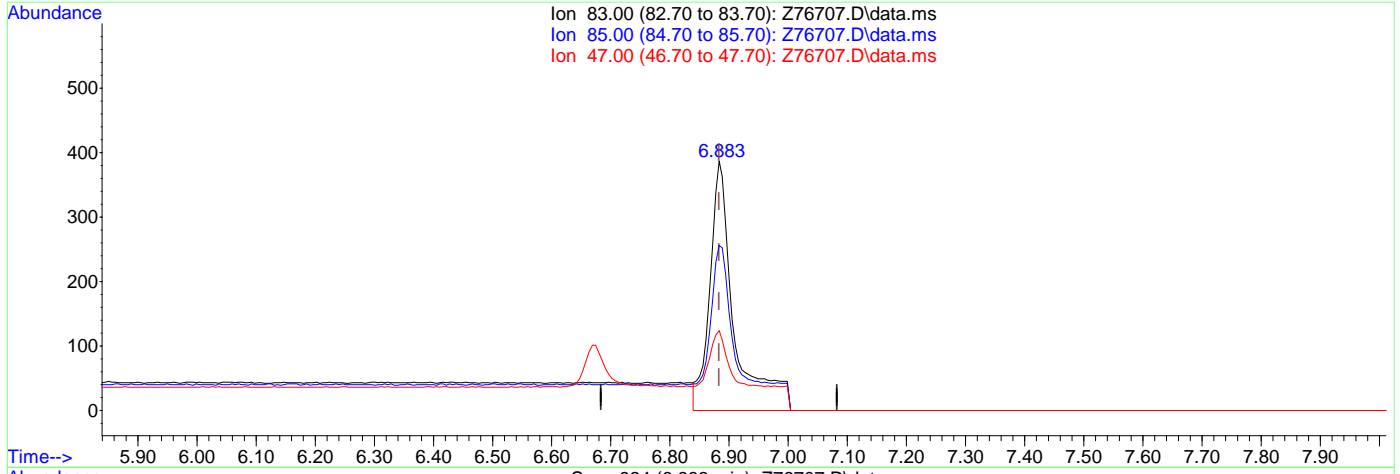
7

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\090324\
Data File : Z76707.D
Acq On : 3 Sep 2024 12:06 pm
Operator : claudias
Sample : FC18325-5
Misc : MS57405,VZ3088,,,,,
ALS Vial : 12 Sample Multiplier: 1

Inst : MSVOA15-Z

Quant Time: Sep 03 12:33:12 2024
Quant Method : C:\msdchem\1\methods\SIMCL-08-28-2024.M
Quant Title : Standard Methods 6200B
QLast Update : Wed Aug 28 11:30:23 2024
Response via : Initial Calibration



(9) Chloroform

6.883min (+0.000) 0.30ug/L

response 1118

Ion	Exp%	Act%
83.00	100	100
85.00	65.90	66.15
47.00	21.00	32.04
0.00	0.00	0.00



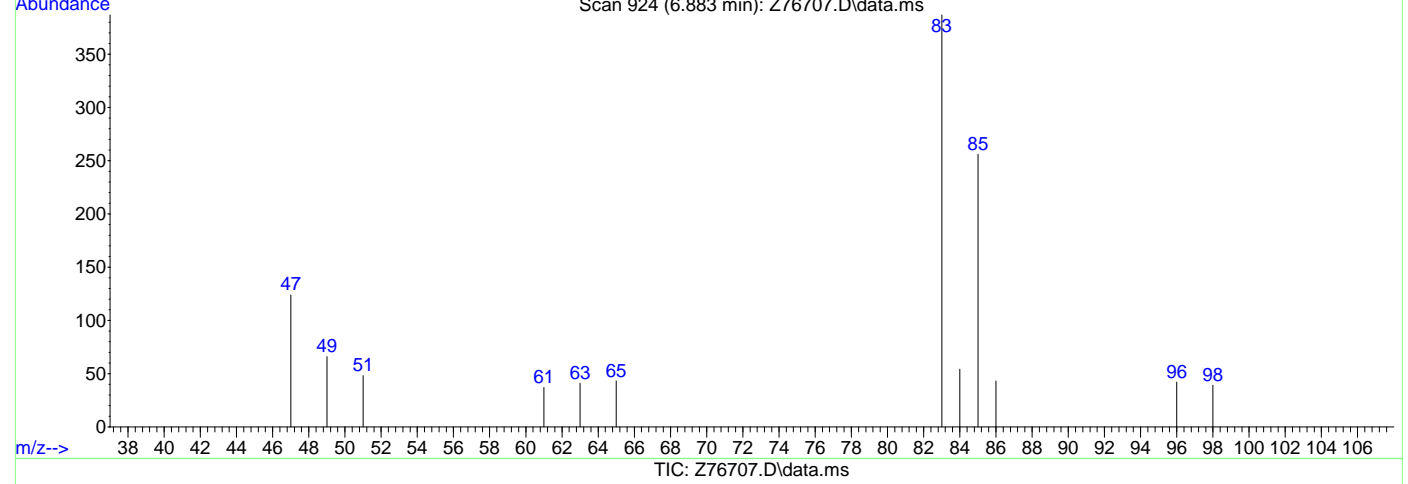
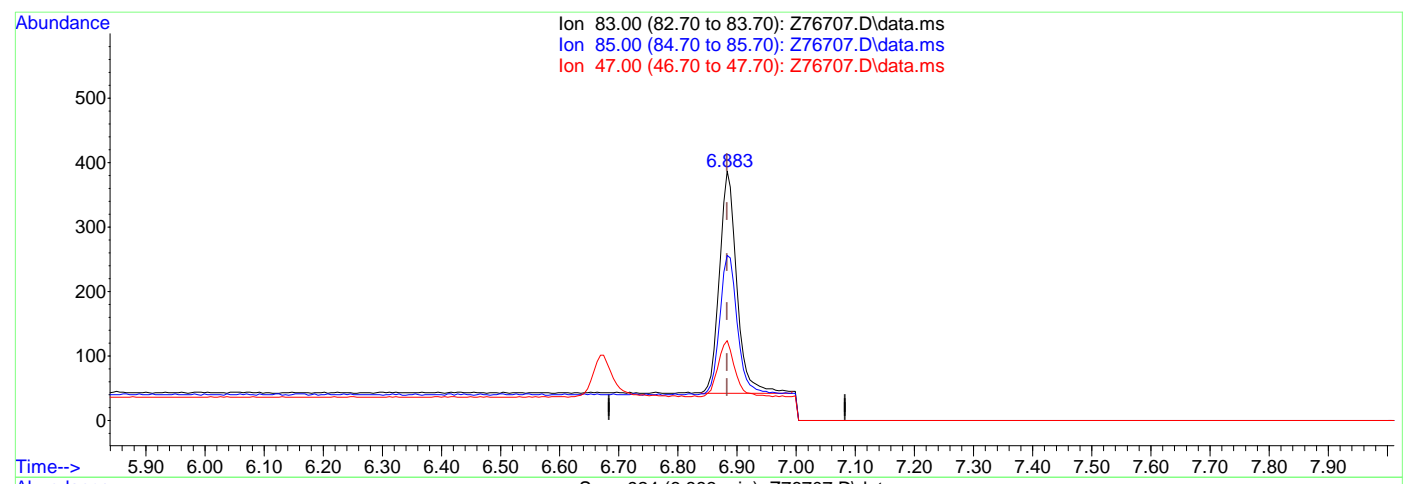
7.1.5.2
7

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\090324\
Data File : Z76707.D
Acq On : 3 Sep 2024 12:06 pm
Operator : claudias
Sample : FC18325-5
Misc : MS57405,VZ3088,,,,,
ALS Vial : 12 Sample Multiplier: 1

Inst : MSVOA15-Z

Quant Time: Sep 03 12:33:12 2024
Quant Method : C:\msdchem\1\methods\SIMCL-08-28-2024.M
Quant Title : Standard Methods 6200B
QLast Update : Wed Aug 28 11:30:23 2024
Response via : Initial Calibration



(9) Chloroform

6.883min (+0.000) 0.19ug/L m

response 707

Ion	Exp%	Act%
83.00	100	100
85.00	65.90	66.15
47.00	21.00	32.04
0.00	0.00	0.00



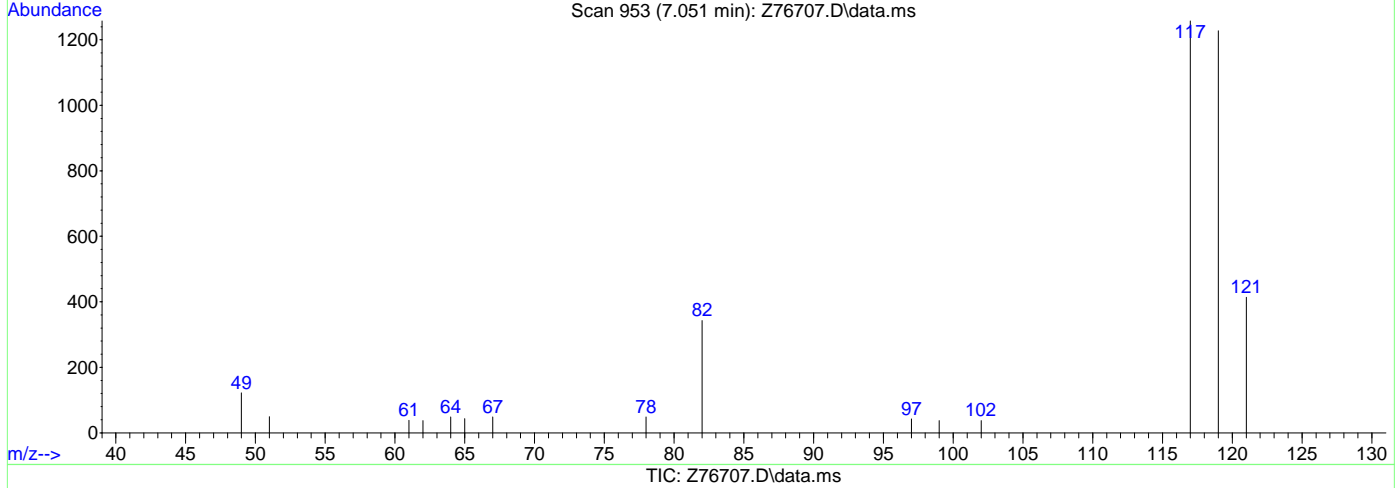
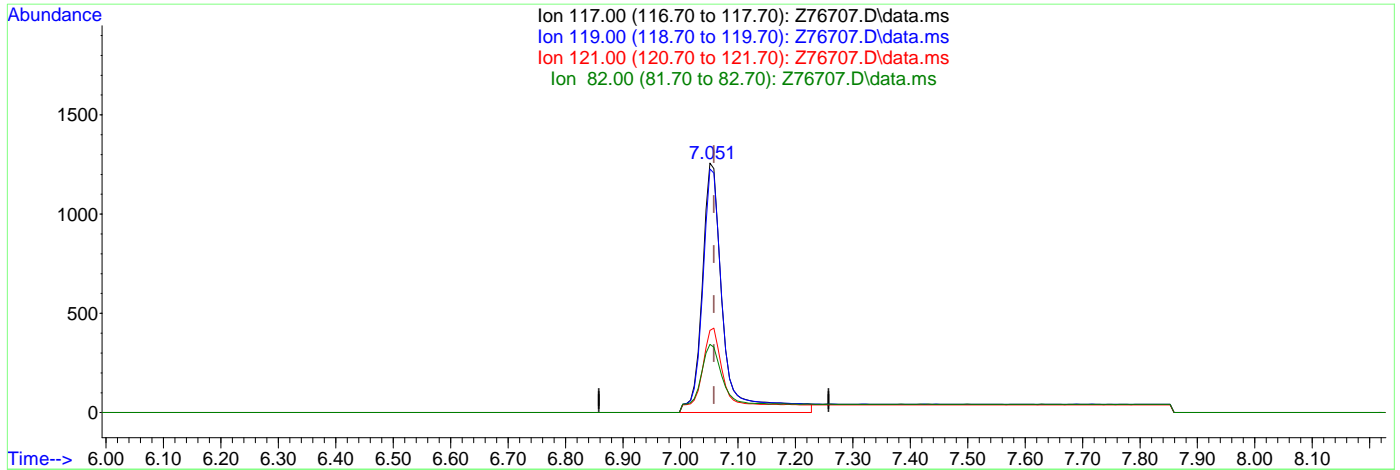
7.1.5.3
7

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\090324\
 Data File : Z76707.D
 Acq On : 3 Sep 2024 12:06 pm
 Operator : claudias
 Sample : FC18325-5
 Misc : MS57405,VZ3088,,,,,
 ALS Vial : 12 Sample Multiplier: 1

Inst : MSVOA15-Z

Quant Time: Sep 03 12:33:12 2024
 Quant Method : C:\msdchem\1\methods\SIMCL-08-28-2024.M
 Quant Title : Standard Methods 6200B
 QLast Update : Wed Aug 28 11:30:23 2024
 Response via : Initial Calibration



(10) Carbon Tetrachloride ()

7.051min (-0.007) 1.17ug/L

response 3167

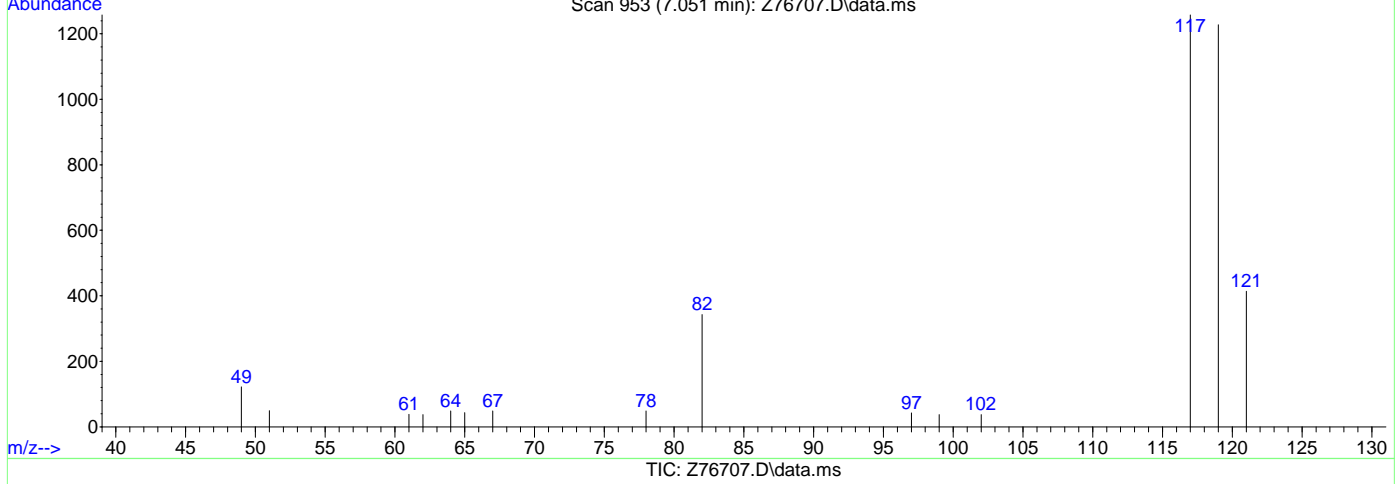
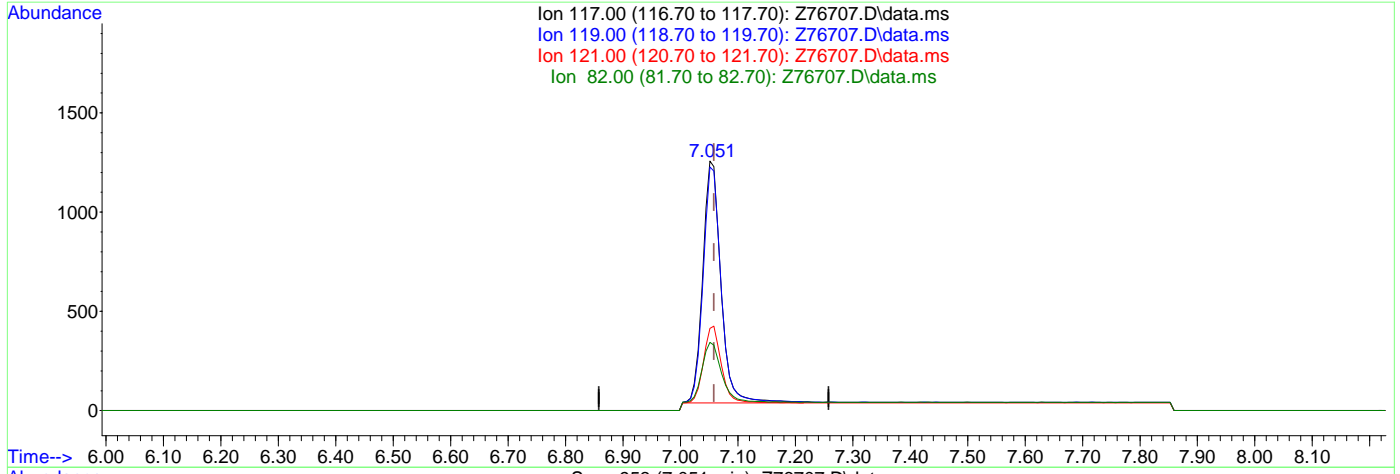
Ion	Exp%	Act%
117.00	100	100
119.00	96.20	97.62
121.00	31.20	32.91
82.00	20.80	27.27

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\090324\
Data File : Z76707.D
Acq On : 3 Sep 2024 12:06 pm
Operator : claudias
Sample : FC18325-5
Misc : MS57405,VZ3088,,,,,
ALS Vial : 12 Sample Multiplier: 1

Inst : MSVOA15-Z

Quant Time: Sep 03 12:33:12 2024
Quant Method : C:\msdchem\1\methods\SIMCL-08-28-2024.M
Quant Title : Standard Methods 6200B
QLast Update : Wed Aug 28 11:30:23 2024
Response via : Initial Calibration



(10) Carbon Tetrachloride ()

7.051min (-0.007) 0.98ug/L m

response 2671

Ion	Exp%	Act%
117.00	100	100
119.00	96.20	97.62
121.00	31.20	32.91
82.00	20.80	27.27



7.1.5.5
7

Manual Integrations
APPROVED
(compounds with "m" flag)
Karen Watson
09/04/24 09:30

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\090324\
Data File : Z76708.D
Acq On : 3 Sep 2024 12:29 pm
Operator : claudias
Sample : FC18325-6 Inst : MSVOA15-Z
Misc : MS57405,VZ3088,,,,,
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Sep 03 12:47:39 2024
Quant Method : C:\msdchem\1\methods\SIMCL-08-28-2024.M
Quant Title : Standard Methods 6200B
QLast Update : Wed Aug 28 11:30:23 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	Qvalue

Internal Standards							
1) Fluorobenzene	7.895	96	20480	5.00	ug/L	0.00	
18) Chlorobenzene-d5	10.981	117	24030	5.00	ug/L	0.00	
System Monitoring Compounds							
13) 1,2-Dichloroethane-d4	7.622	65	6852	5.52	ug/L	0.00	
Spiked Amount	5.000	Range 74 - 125	Recovery	=	110.40%		
19) Toluene-d8	9.428	98	25231	4.71	ug/L	0.00	
Spiked Amount	5.000	Range 88 - 111	Recovery	=	94.20%		
Target Compounds							
5) Methylene Chloride	5.208	49	242	0.08	ug/L		91
9) Chloroform	6.878	83	1004m	0.27	ug/L		
10) Carbon Tetrachloride	7.051	117	4292	1.61	ug/L		98

(#) = qualifier out of range (m) = manual integration (+) = signals summed

7.1.6
7

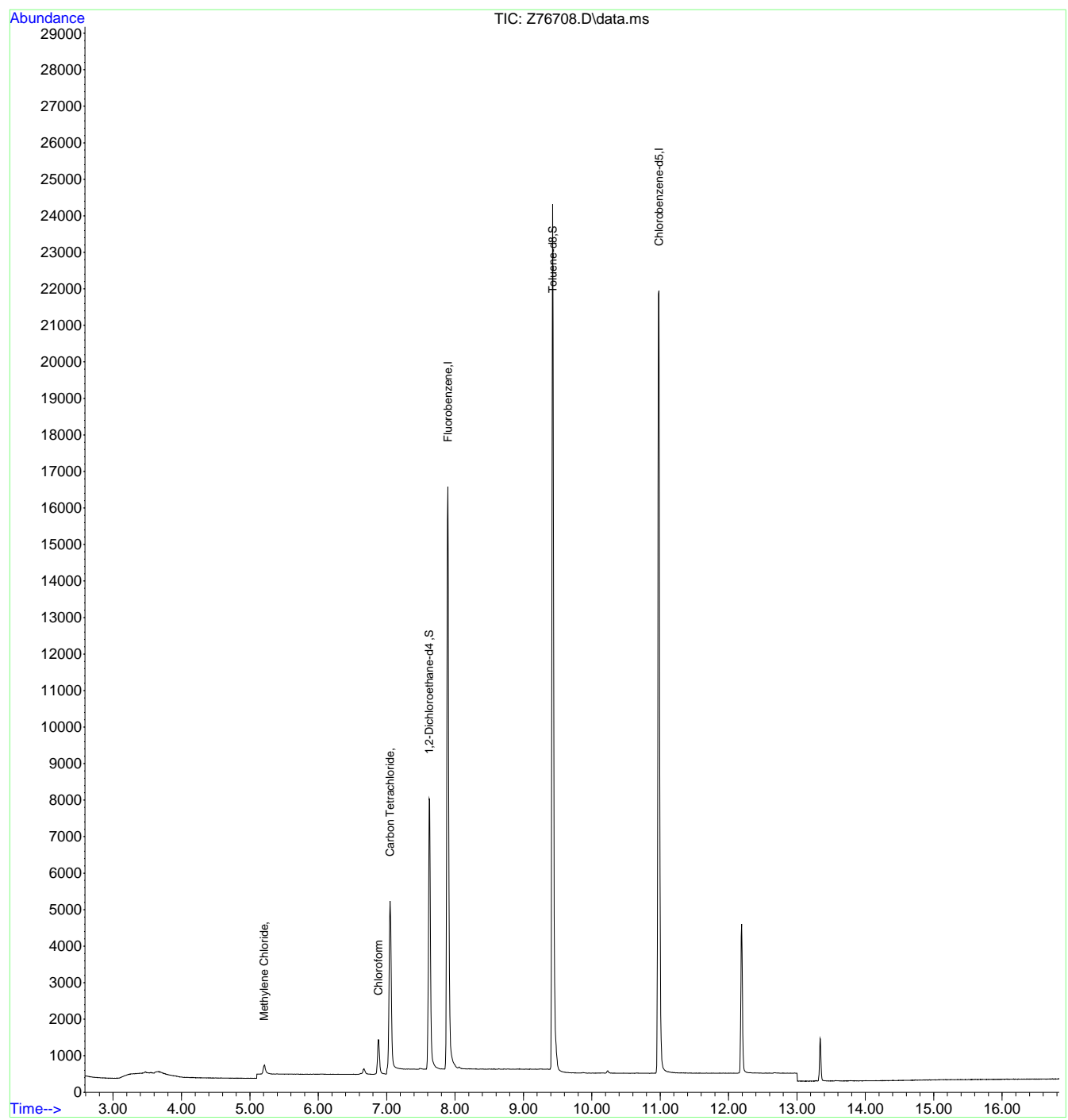


Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\090324\
Data File : Z76708.D
Acq On : 3 Sep 2024 12:29 pm
Operator : claudias
Sample : FC18325-6
Misc : MS57405,VZ3088,,,,,
ALS Vial : 13 Sample Multiplier: 1

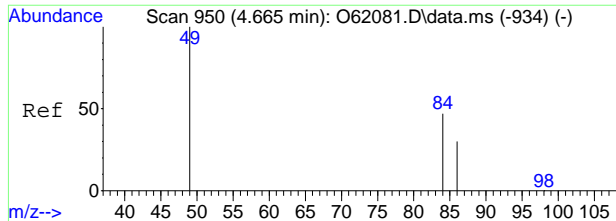
Inst : MSVOA15-Z

Quant Time: Sep 03 12:47:39 2024
Quant Method : C:\msdchem\1\methods\SIMCL-08-28-2024.M
Quant Title : Standard Methods 6200B
QLast Update : Wed Aug 28 11:30:23 2024
Response via : Initial Calibration



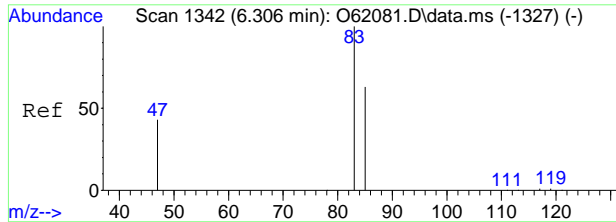
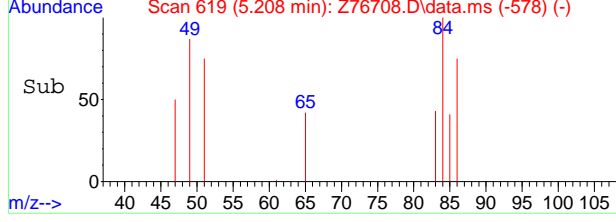
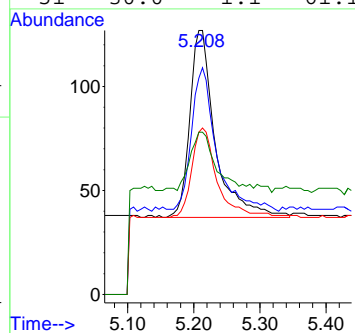
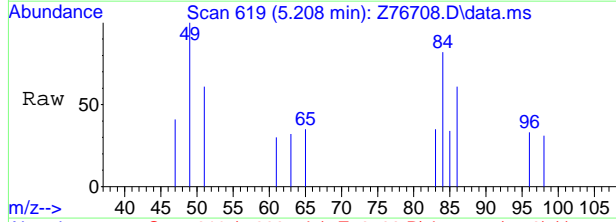
7.1.7





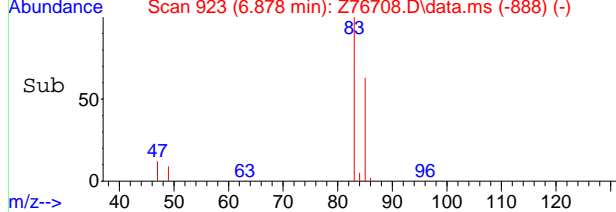
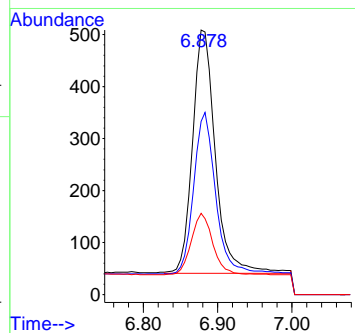
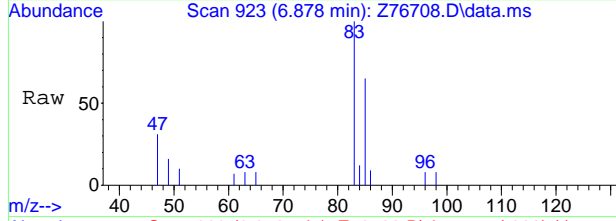
#5
 Methylene Chloride
 Concen: 0.08 ug/L
 RT: 5.208 min Scan# 619
 Delta R.T. -0.005 min
 Lab File: Z76708.D
 Acq: 3 Sep 2024 12:29 pm

Tgt Ion	Ratio	Lower	Upper
49	100		
84	70.0	49.7	109.7
86	45.6	22.0	82.0
51	30.0	1.1	61.1



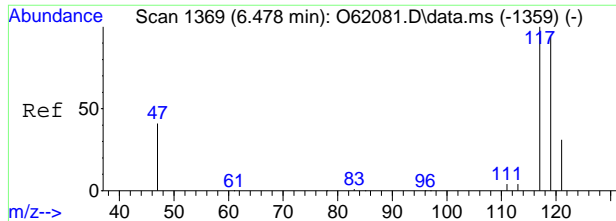
#9
 Chloroform
 Concen: 0.27 ug/L m
 RT: 6.878 min Scan# 923
 Delta R.T. -0.005 min
 Lab File: Z76708.D
 Acq: 3 Sep 2024 12:29 pm

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.4	35.9	95.9
47	30.6	0.0	51.0



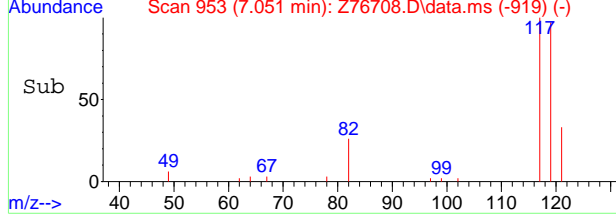
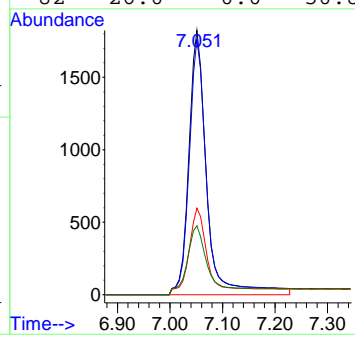
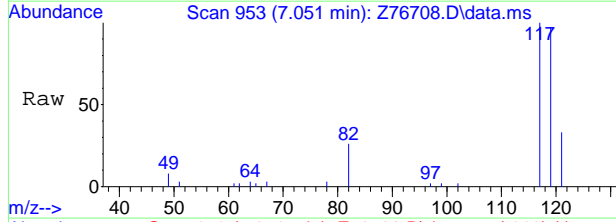
7.1.6
7





#10
 Carbon Tetrachloride
 Concen: 1.61 ug/L
 RT: 7.051 min Scan# 953
 Delta R.T. -0.007 min
 Lab File: Z76708.D
 Acq: 3 Sep 2024 12:29 pm

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.5	66.2	126.2
121	32.7	1.2	61.2
82	26.0	0.0	50.8



7.1.6
7



Manual Integration Approval Summary

Sample Number: FC18325-6 **Method:** SW846 8260D BY SIM
Lab FileID: Z76708.D **Analyst approved:** 09/04/24 07:58 Claudia Sosa
Injection Time: 09/03/24 12:29 **Supervisor approved:** 09/04/24 09:30 Karen Watson

Parameter	CAS	Sig#	R.T. (min.)	Reason
Chloroform	67-66-3		6.88	Poor instrument integration

7.1.6.1

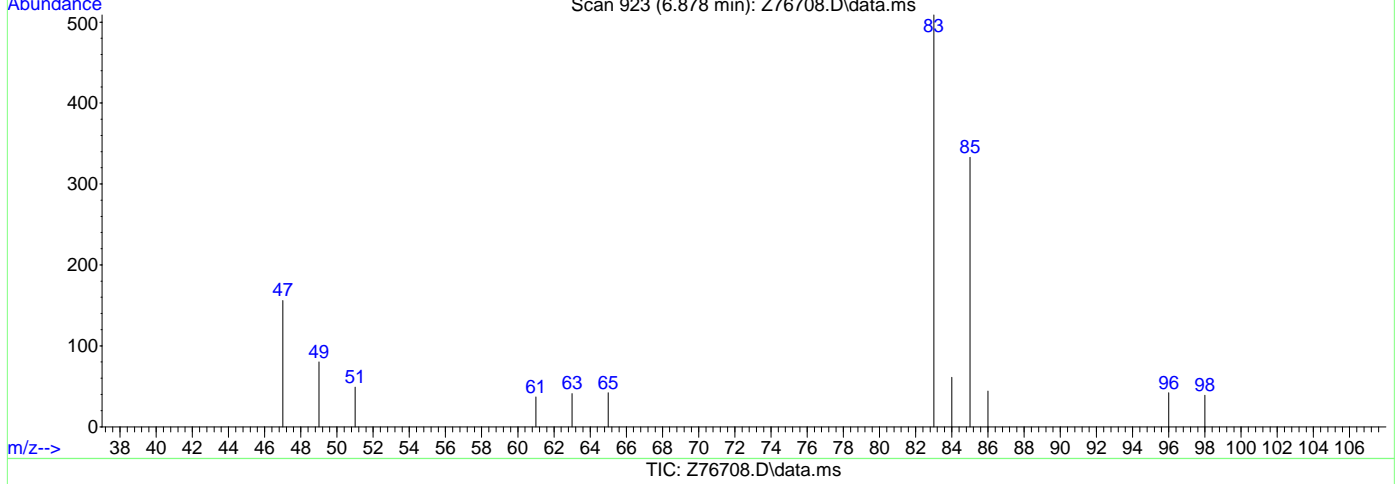
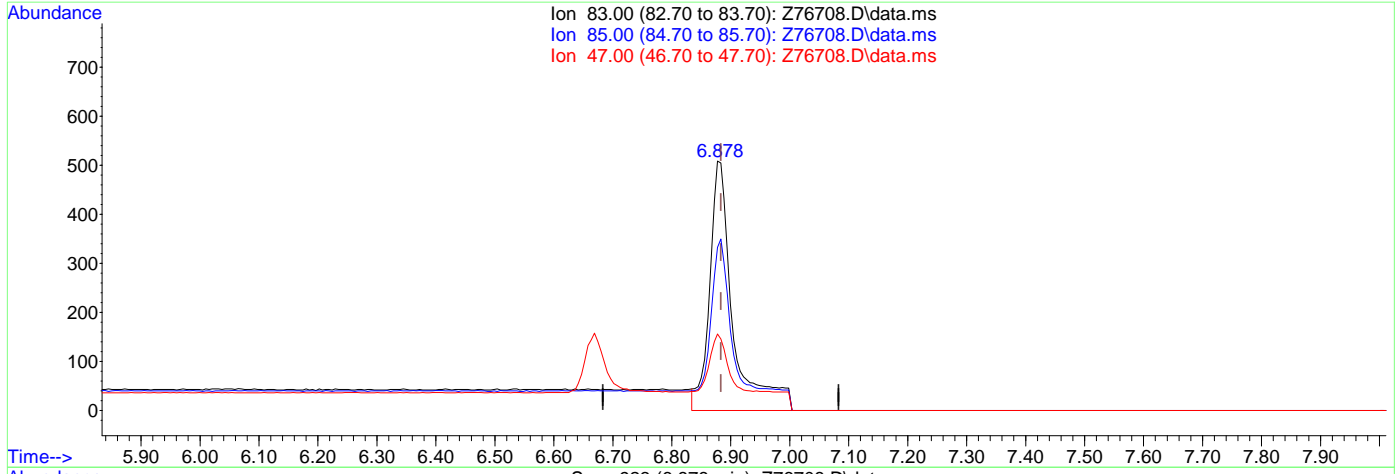
7

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\090324\
Data File : Z76708.D
Acq On : 3 Sep 2024 12:29 pm
Operator : claudias
Sample : FC18325-6
Misc : MS57405,VZ3088,,,,,
ALS Vial : 13 Sample Multiplier: 1

Inst : MSVOA15-Z

Quant Time: Sep 03 12:47:05 2024
Quant Method : C:\msdchem\1\methods\SIMCL-08-28-2024.M
Quant Title : Standard Methods 6200B
QLast Update : Wed Aug 28 11:30:23 2024
Response via : Initial Calibration



(9) Chloroform

6.878min (-0.005) 0.39ug/L

response 1419

Ion	Exp%	Act%
83.00	100	100
85.00	65.90	65.42
47.00	21.00	30.65
0.00	0.00	0.00



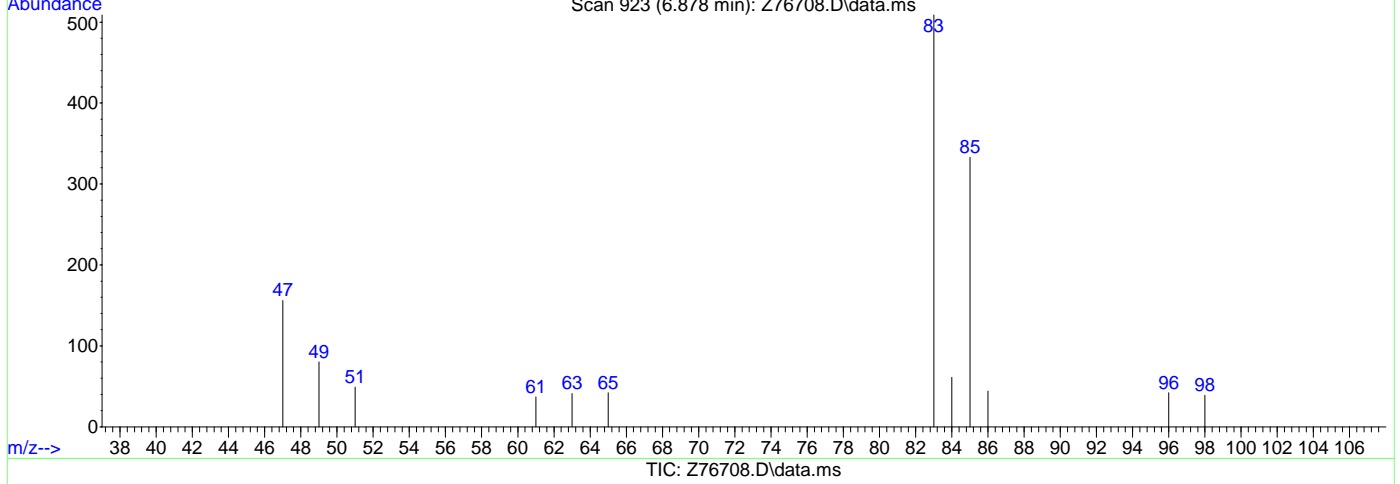
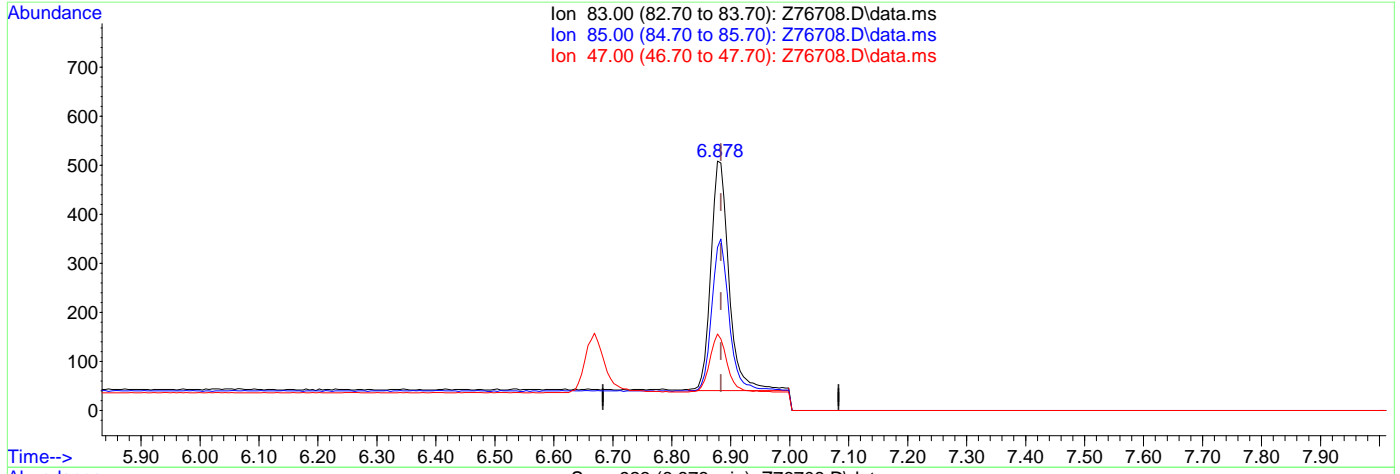
7.1.6.2
7

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\090324\
Data File : Z76708.D
Acq On : 3 Sep 2024 12:29 pm
Operator : claudias
Sample : FC18325-6
Misc : MS57405,VZ3088,,,,,
ALS Vial : 13 Sample Multiplier: 1

Inst : MSVOA15-Z

Quant Time: Sep 03 12:47:05 2024
Quant Method : C:\msdchem\1\methods\SIMCL-08-28-2024.M
Quant Title : Standard Methods 6200B
QLast Update : Wed Aug 28 11:30:23 2024
Response via : Initial Calibration



(9) Chloroform

6.878min (-0.005) 0.27ug/L m

response 1004

Ion	Exp%	Act%
83.00	100	100
85.00	65.90	65.42
47.00	21.00	30.65
0.00	0.00	0.00



7.1.6.3
7

Manual Integrations
APPROVED
 (compounds with "m" flag)
 Karen Watson
 09/04/24 09:30

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\090324\
 Data File : Z76709.D
 Acq On : 3 Sep 2024 12:52 pm
 Operator : claudias
 Sample : FC18325-7 Inst : MSVOA15-Z
 Misc : MS57405,VZ3088,,,,,
 ALS Vial : 14 Sample Multiplier: 1

Quant Time: Sep 03 13:12:07 2024
 Quant Method : C:\msdchem\1\methods\SIMCL-08-28-2024.M
 Quant Title : Standard Methods 6200B
 QLast Update : Wed Aug 28 11:30:23 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	Qvalue

Internal Standards							
1) Fluorobenzene	7.895	96	20104	5.00	ug/L	0.00	
18) Chlorobenzene-d5	10.981	117	23797	5.00	ug/L	0.00	
System Monitoring Compounds							
13) 1,2-Dichloroethane-d4	7.628	65	6825	5.60	ug/L	0.00	
Spiked Amount	5.000	Range 74 - 125	Recovery	=	112.00%		
19) Toluene-d8	9.429	98	24983	4.71	ug/L	0.00	
Spiked Amount	5.000	Range 88 - 111	Recovery	=	94.20%		
Target Compounds							
5) Methylene Chloride	5.213	49	218	0.07	ug/L		94
9) Chloroform	6.883	83	284m	0.08	ug/L		
15) Trichloroethene	8.061	95	187	0.12	ug/L		86

(#) = qualifier out of range (m) = manual integration (+) = signals summed

7.17
7

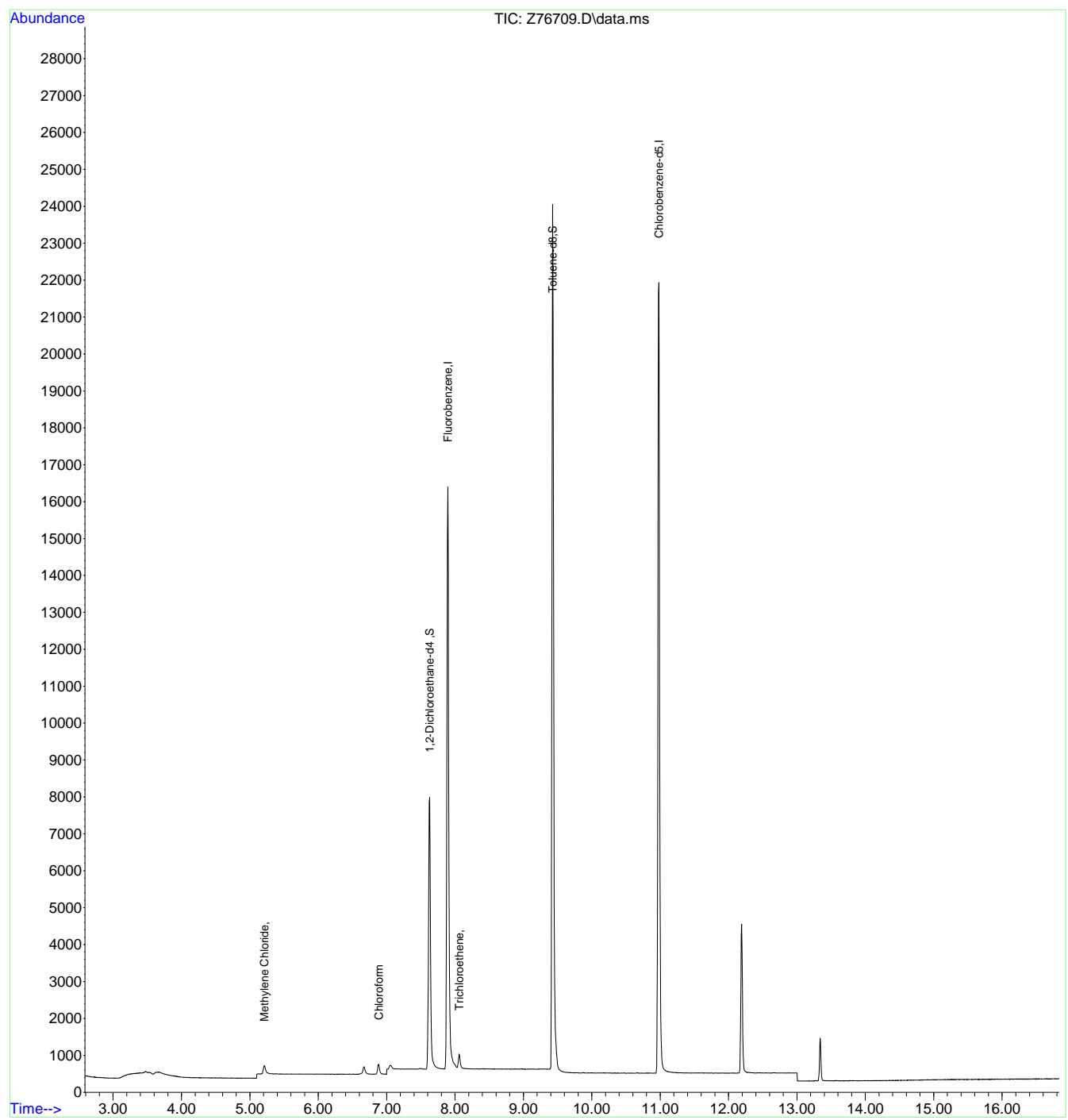


Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\090324\
Data File : Z76709.D
Acq On : 3 Sep 2024 12:52 pm
Operator : claudias
Sample : FC18325-7
Misc : MS57405,VZ3088,,,,,
ALS Vial : 14 Sample Multiplier: 1

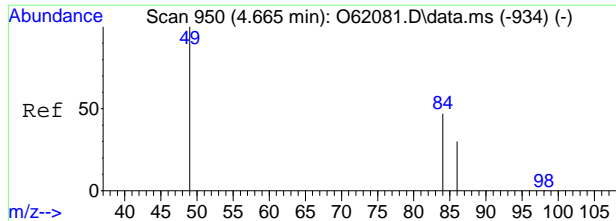
Inst : MSVOA15-Z

Quant Time: Sep 03 13:12:07 2024
Quant Method : C:\msdchem\1\methods\SIMCL-08-28-2024.M
Quant Title : Standard Methods 6200B
QLast Update : Wed Aug 28 11:30:23 2024
Response via : Initial Calibration



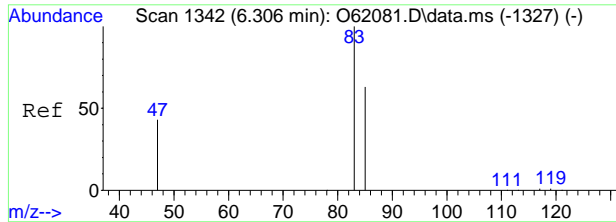
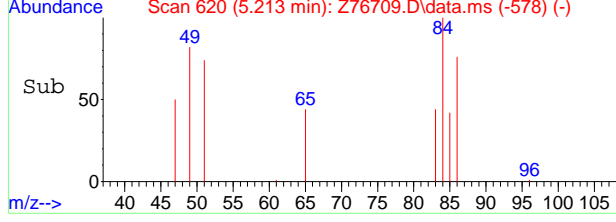
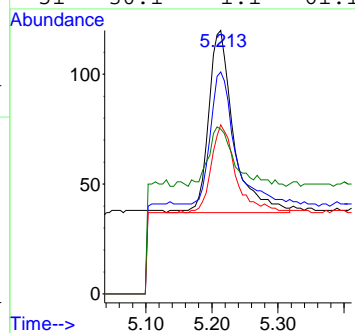
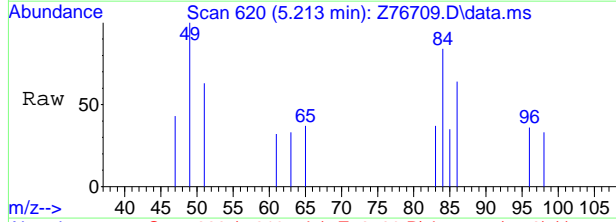
7.1.7
7





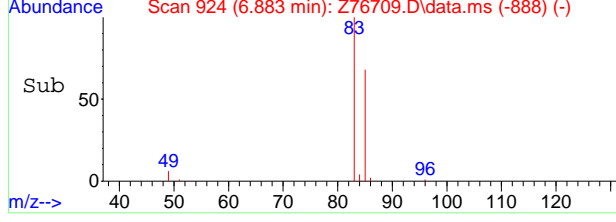
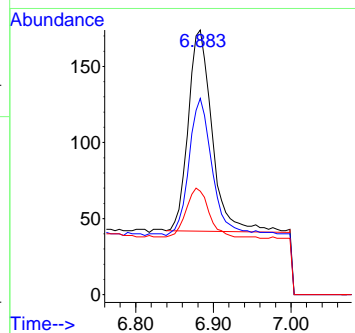
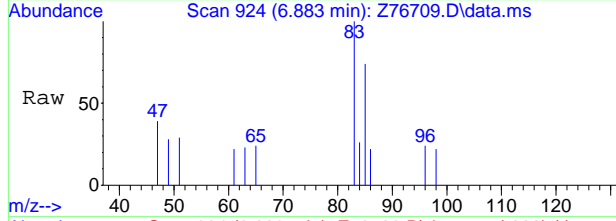
#5
 Methylene Chloride
 Concen: 0.07 ug/L
 RT: 5.213 min Scan# 620
 Delta R.T. 0.000 min
 Lab File: Z76709.D
 Acq: 3 Sep 2024 12:52 pm

Tgt Ion	Ratio	Lower	Upper
49	100		
84	72.3	49.7	109.7
86	48.2	22.0	82.0
51	30.1	1.1	61.1



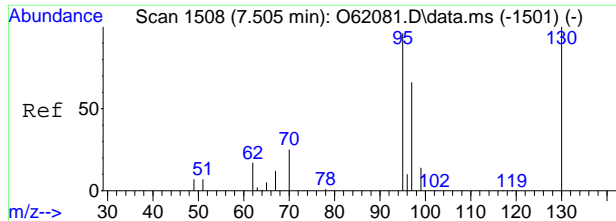
#9
 Chloroform
 Concen: 0.08 ug/L m
 RT: 6.883 min Scan# 924
 Delta R.T. 0.000 min
 Lab File: Z76709.D
 Acq: 3 Sep 2024 12:52 pm

Tgt Ion	Ratio	Lower	Upper
83	100		
85	74.1	35.9	95.9
47	39.1	0.0	51.0



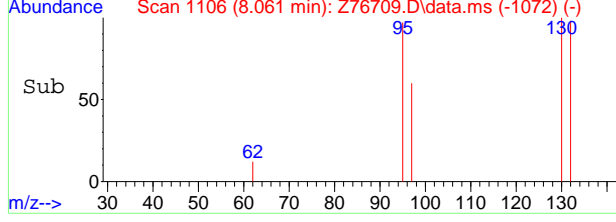
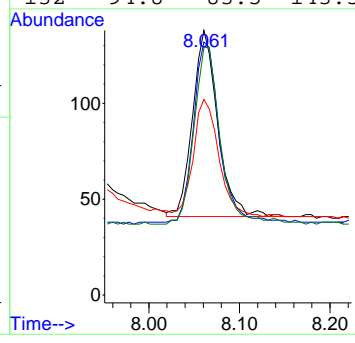
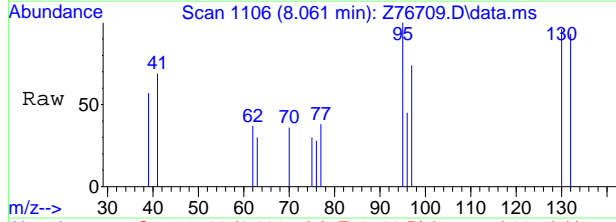
7.17





#15
 Trichloroethene
 Concen: 0.12 ug/L
 RT: 8.061 min Scan# 1106
 Delta R.T. -0.000 min
 Lab File: Z76709.D
 Acq: 3 Sep 2024 12:52 pm

Tgt Ion	Ratio	Lower	Upper
95	100		
130	96.9	84.5	144.5
97	62.9	36.4	96.4
132	94.8	83.5	143.5



7.1.7
7

Manual Integration Approval Summary

Sample Number: FC18325-7 **Method:** SW846 8260D BY SIM
Lab FileID: Z76709.D **Analyst approved:** 09/04/24 07:58 Claudia Sosa
Injection Time: 09/03/24 12:52 **Supervisor approved:** 09/04/24 09:30 Karen Watson

Parameter	CAS	Sig#	R.T. (min.)	Reason
Chloroform	67-66-3		6.88	Poor instrument integration

7.1.7.1

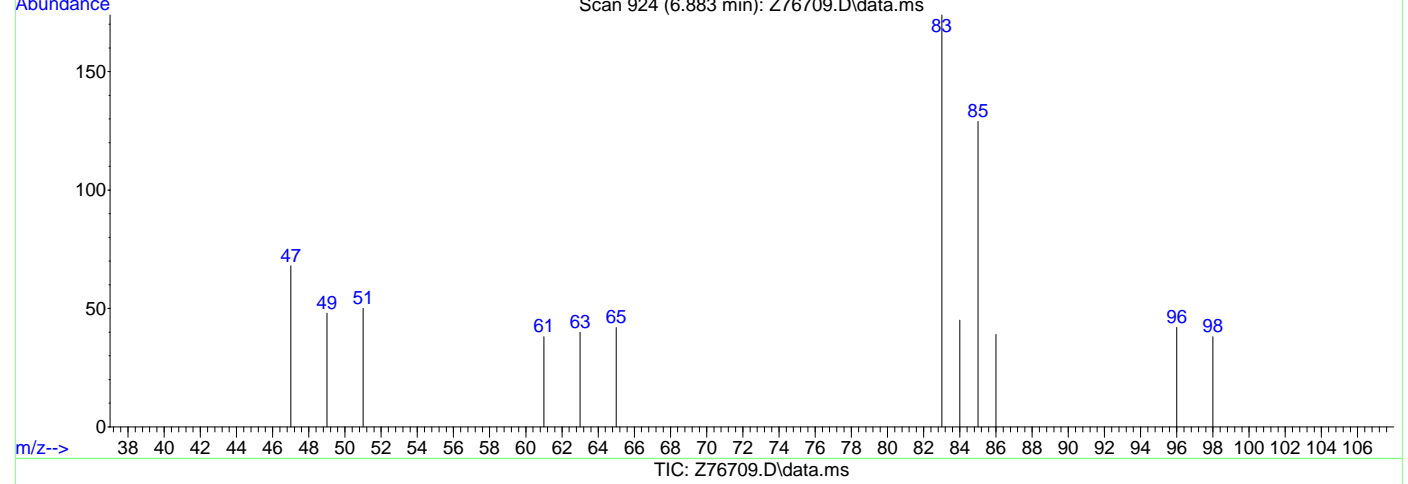
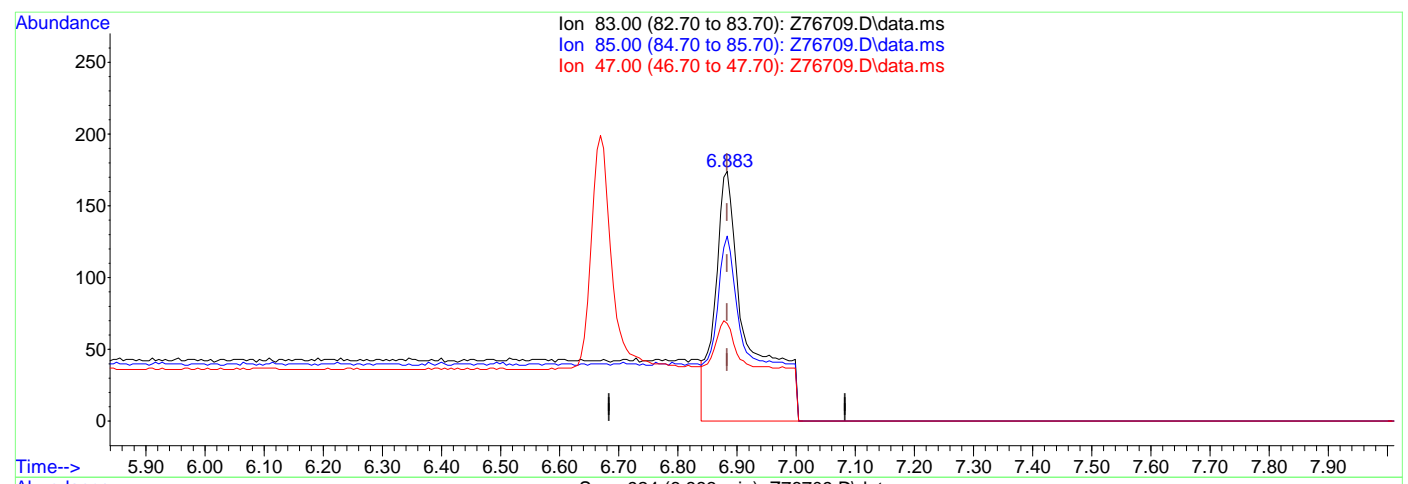
7

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\090324\
Data File : Z76709.D
Acq On : 3 Sep 2024 12:52 pm
Operator : claudias
Sample : FC18325-7
Misc : MS57405,VZ3088,,,,,
ALS Vial : 14 Sample Multiplier: 1

Inst : MSVOA15-Z

Quant Time: Sep 03 13:10:56 2024
Quant Method : C:\msdchem\1\methods\SIMCL-08-28-2024.M
Quant Title : Standard Methods 6200B
QLast Update : Wed Aug 28 11:30:23 2024
Response via : Initial Calibration



(9) Chloroform

6.883min (+0.000) 0.19ug/L

response 685

Ion	Exp%	Act%
83.00	100	100
85.00	65.90	74.14
47.00	21.00	39.08
0.00	0.00	0.00



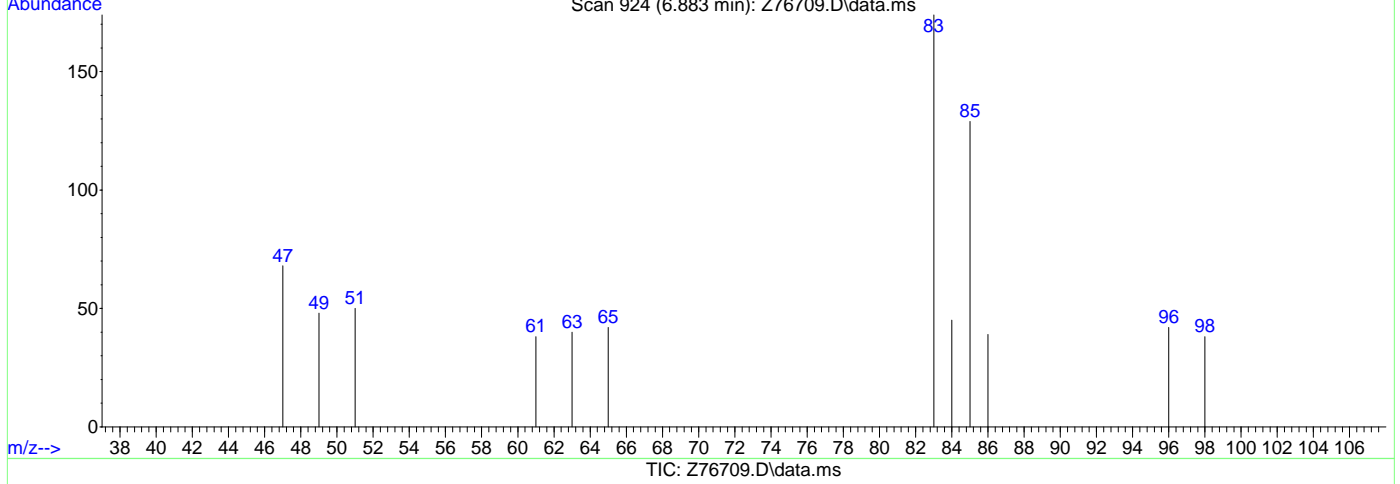
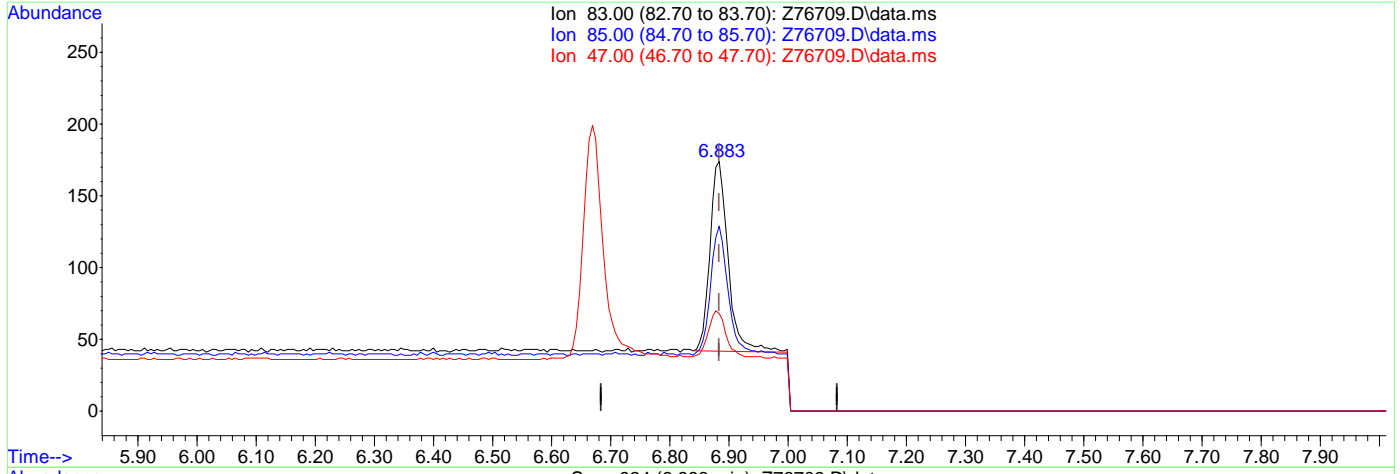
7.1.7.2
7

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\090324\
Data File : Z76709.D
Acq On : 3 Sep 2024 12:52 pm
Operator : claudias
Sample : FC18325-7
Misc : MS57405,VZ3088,,,,,
ALS Vial : 14 Sample Multiplier: 1

Inst : MSVOA15-Z

Quant Time: Sep 03 13:10:56 2024
Quant Method : C:\msdchem\1\methods\SIMCL-08-28-2024.M
Quant Title : Standard Methods 6200B
QLast Update : Wed Aug 28 11:30:23 2024
Response via : Initial Calibration



(9) Chloroform

6.883min (+0.000) 0.08ug/L m

response 284

Ion	Exp%	Act%
83.00	100	100
85.00	65.90	74.14
47.00	21.00	39.08
0.00	0.00	0.00



7.1.7.3
7

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\090324\
Data File : Z76710.D
Acq On : 3 Sep 2024 1:15 pm
Operator : claudias
Sample : FC18325-8 Inst : MSVOA15-Z
Misc : MS57405,VZ3088,,,,,
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Sep 03 13:32:39 2024
Quant Method : C:\msdchem\1\methods\SIMCL-08-28-2024.M
Quant Title : Standard Methods 6200B
QLast Update : Wed Aug 28 11:30:23 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Fluorobenzene	7.895	96	20661	5.00	ug/L	0.00
18) Chlorobenzene-d5	10.981	117	24434	5.00	ug/L	0.00
System Monitoring Compounds						
13) 1,2-Dichloroethane-d4	7.628	65	7138	5.70	ug/L	0.00
Spiked Amount	5.000	Range 74 - 125	Recovery	=	114.00%	
19) Toluene-d8	9.429	98	25589	4.70	ug/L	0.00
Spiked Amount	5.000	Range 88 - 111	Recovery	=	94.00%	
Target Compounds						
5) Methylene Chloride	5.213	49	219	0.07	ug/L	93
15) Trichloroethene	8.061	95	272	0.16	ug/L	88

(#) = qualifier out of range (m) = manual integration (+) = signals summed

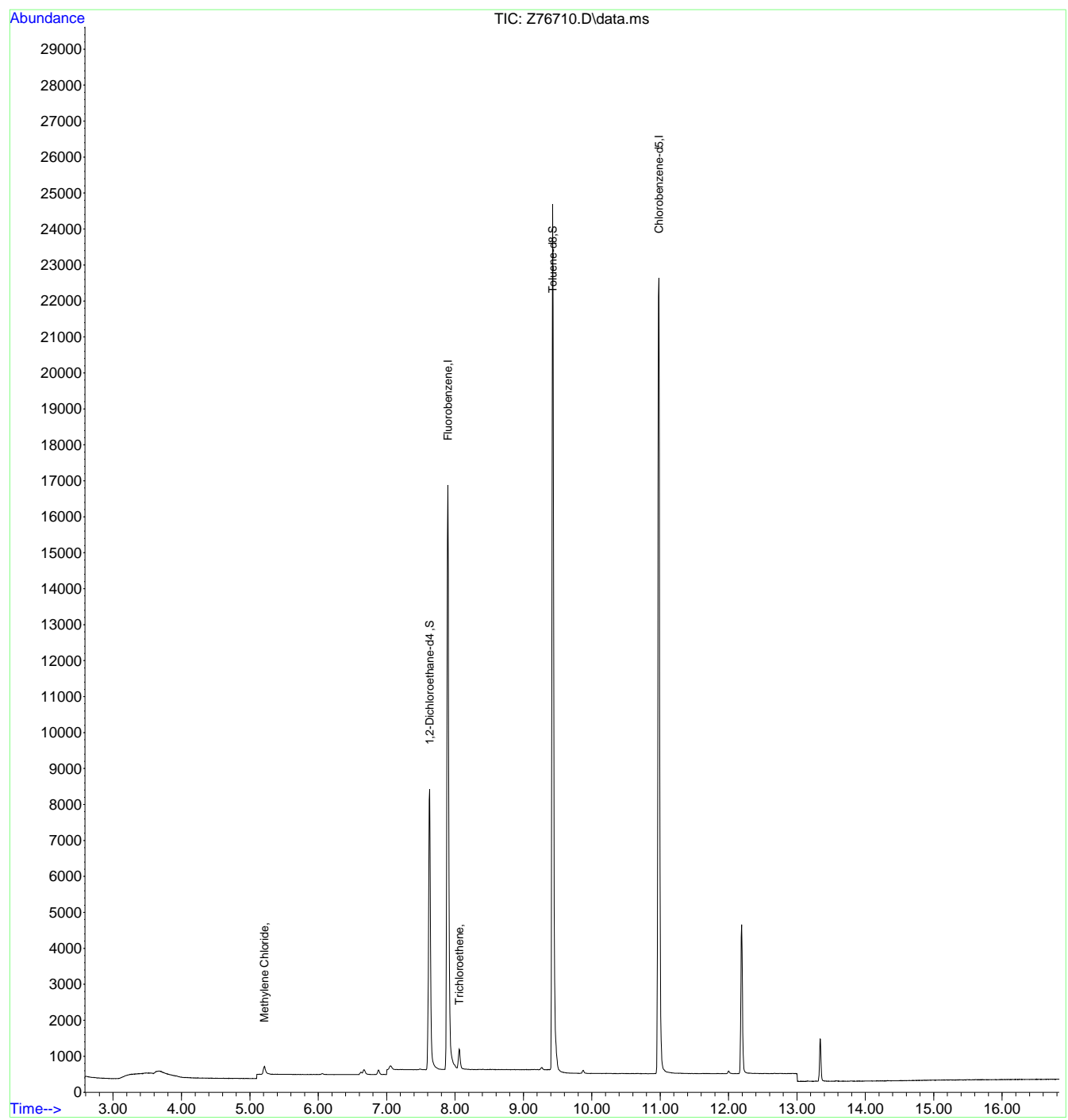
7.1.8
7

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\090324\
Data File : Z76710.D
Acq On : 3 Sep 2024 1:15 pm
Operator : claudias
Sample : FC18325-8
Misc : MS57405,VZ3088,,,,,
ALS Vial : 15 Sample Multiplier: 1

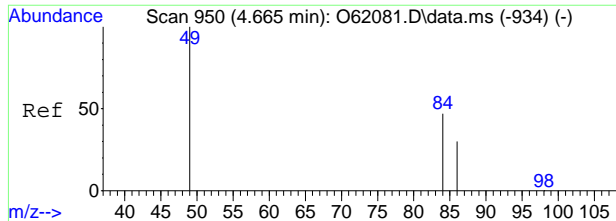
Inst : MSVOA15-Z

Quant Time: Sep 03 13:32:39 2024
Quant Method : C:\msdchem\1\methods\SIMCL-08-28-2024.M
Quant Title : Standard Methods 6200B
QLast Update : Wed Aug 28 11:30:23 2024
Response via : Initial Calibration



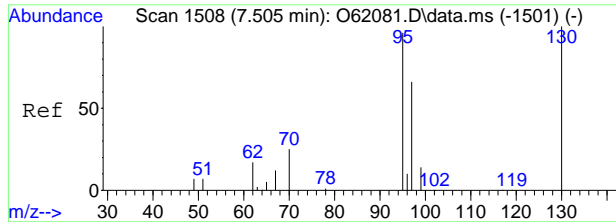
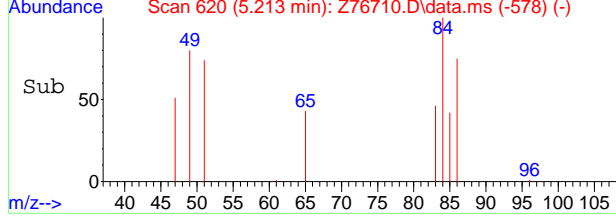
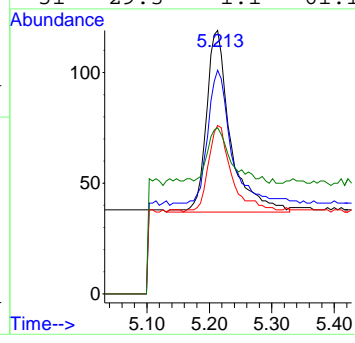
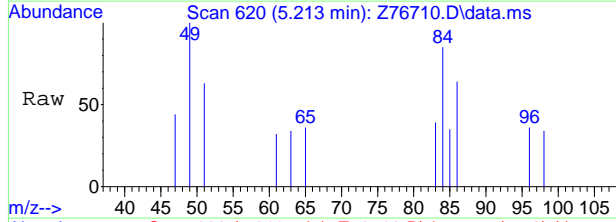
7.1.8
7





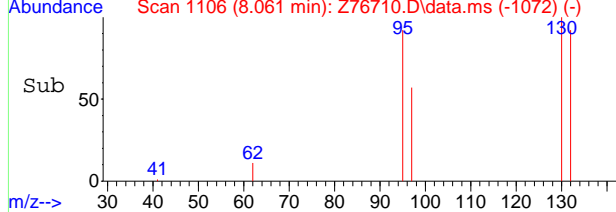
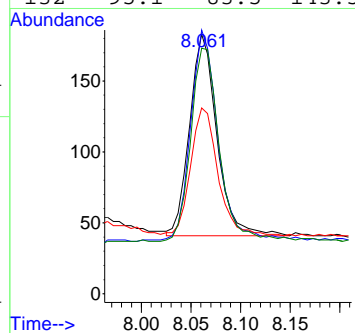
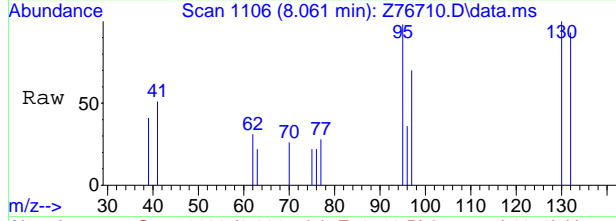
#5
 Methylene Chloride
 Concen: 0.07 ug/L
 RT: 5.213 min Scan# 620
 Delta R.T. 0.000 min
 Lab File: Z76710.D
 Acq: 3 Sep 2024 1:15 pm

Tgt Ion	Ratio	Lower	Upper
49	100		
84	72.0	49.7	109.7
86	47.6	22.0	82.0
51	29.3	1.1	61.1



#15
 Trichloroethene
 Concen: 0.16 ug/L
 RT: 8.061 min Scan# 1106
 Delta R.T. -0.000 min
 Lab File: Z76710.D
 Acq: 3 Sep 2024 1:15 pm

Tgt Ion	Ratio	Lower	Upper
95	100		
130	103.5	84.5	144.5
97	62.7	36.4	96.4
132	95.1	83.5	143.5



7.18



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\090324\
Data File : Z76711.D
Acq On : 3 Sep 2024 1:38 pm
Operator : claudias
Sample : FC18325-9 Inst : MSVOA15-Z
Misc : MS57405,VZ3088,,,,,
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Sep 03 13:55:24 2024
Quant Method : C:\msdchem\1\methods\SIMCL-08-28-2024.M
Quant Title : Standard Methods 6200B
QLast Update : Wed Aug 28 11:30:23 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Fluorobenzene	7.895	96	19934	5.00	ug/L	0.00
18) Chlorobenzene-d5	10.980	117	23806	5.00	ug/L	0.00
System Monitoring Compounds						
13) 1,2-Dichloroethane-d4	7.628	65	6894	5.71	ug/L	0.00
Spiked Amount	5.000	Range 74 - 125	Recovery	=	114.20%	
19) Toluene-d8	9.428	98	25003	4.71	ug/L	0.00
Spiked Amount	5.000	Range 88 - 111	Recovery	=	94.20%	
Target Compounds						
5) Methylene Chloride	5.213	49	223	0.07	ug/L	95
15) Trichloroethene	8.061	95	899	0.56	ug/L	88
21) Tetrachloroethene	9.874	166	99	0.05	ug/L #	90

(#) = qualifier out of range (m) = manual integration (+) = signals summed

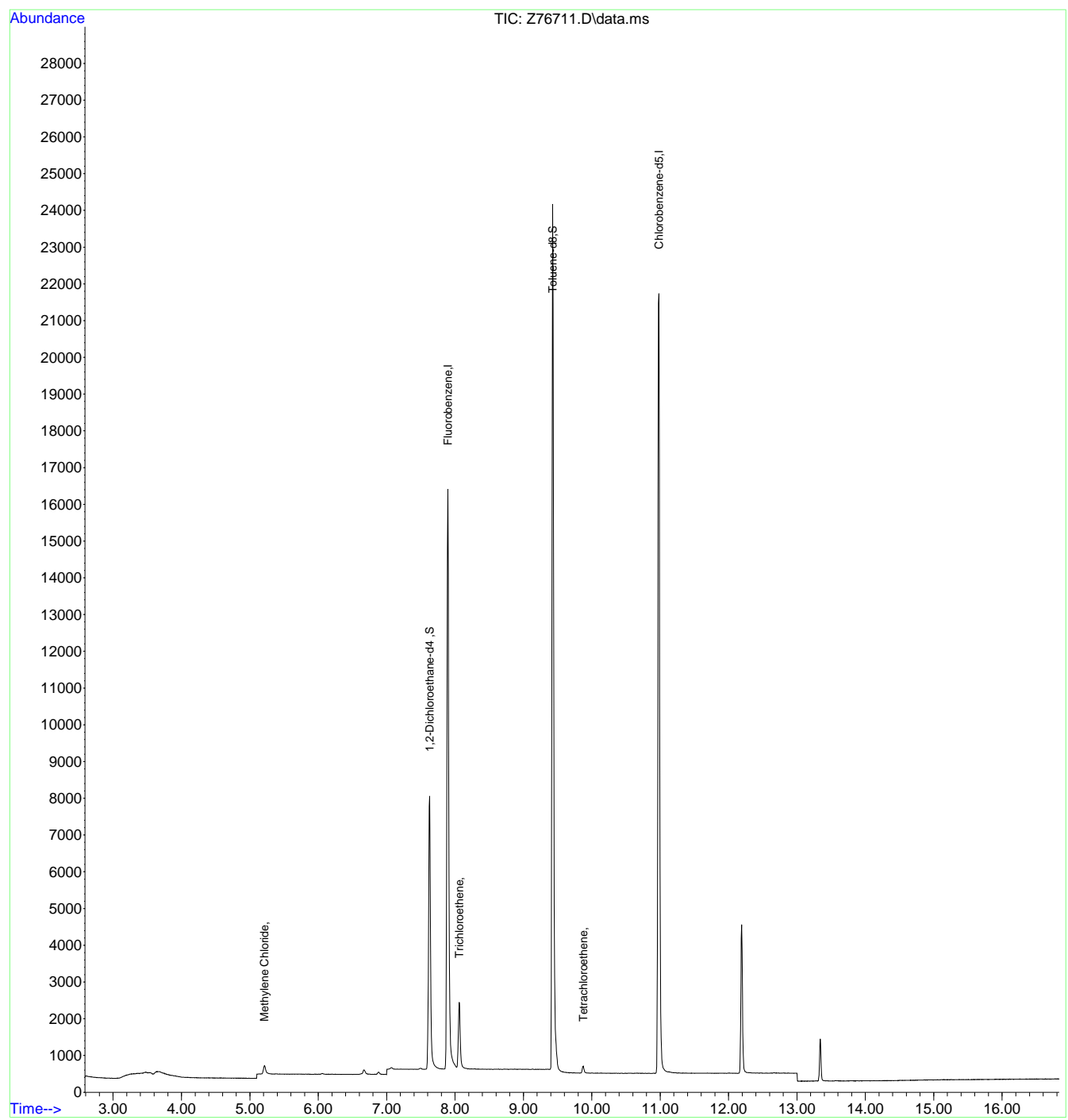
7.1.9
7

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\090324\
Data File : Z76711.D
Acq On : 3 Sep 2024 1:38 pm
Operator : claudias
Sample : FC18325-9
Misc : MS57405,VZ3088,,,,,
ALS Vial : 16 Sample Multiplier: 1

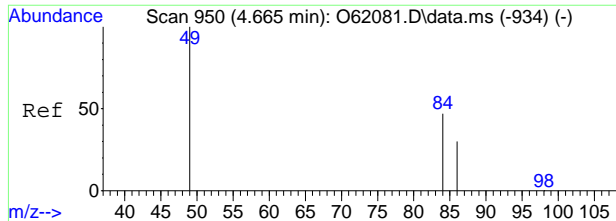
Inst : MSVOA15-Z

Quant Time: Sep 03 13:55:24 2024
Quant Method : C:\msdchem\1\methods\SIMCL-08-28-2024.M
Quant Title : Standard Methods 6200B
QLast Update : Wed Aug 28 11:30:23 2024
Response via : Initial Calibration



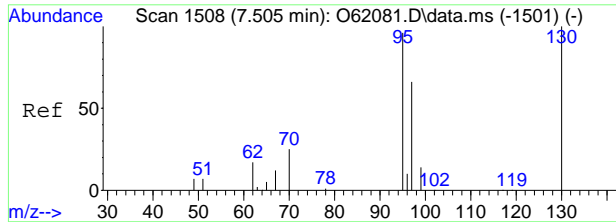
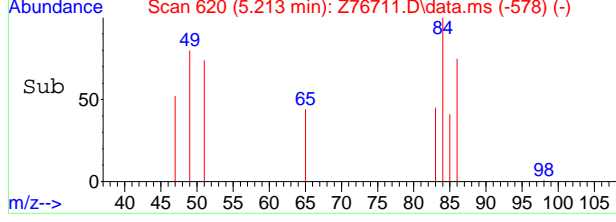
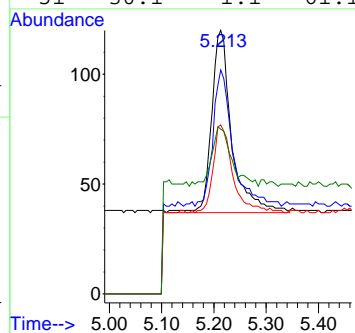
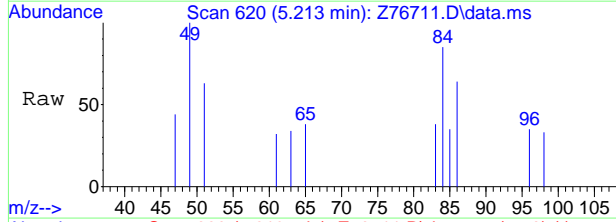
7.1.7





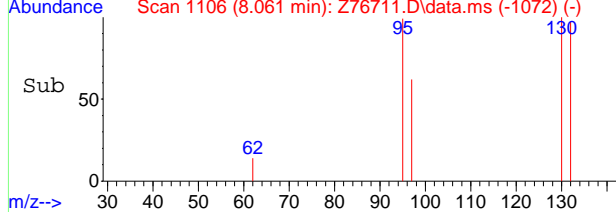
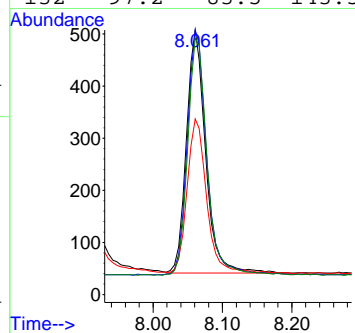
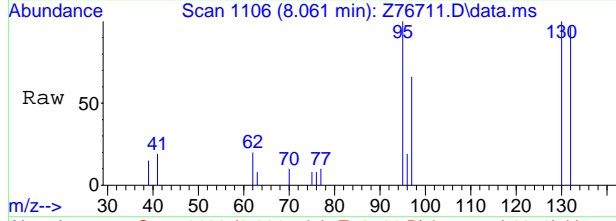
#5
 Methylene Chloride
 Concen: 0.07 ug/L
 RT: 5.213 min Scan# 620
 Delta R.T. 0.000 min
 Lab File: Z76711.D
 Acq: 3 Sep 2024 1:38 pm

Tgt Ion	Ratio	Lower	Upper
49	100		
84	74.7	49.7	109.7
86	48.2	22.0	82.0
51	30.1	1.1	61.1



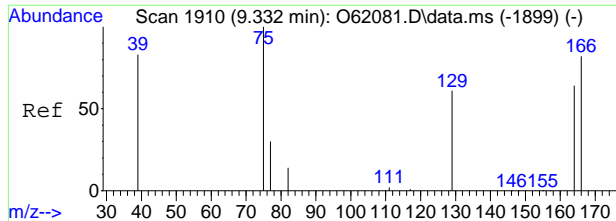
#15
 Trichloroethene
 Concen: 0.56 ug/L
 RT: 8.061 min Scan# 1106
 Delta R.T. -0.000 min
 Lab File: Z76711.D
 Acq: 3 Sep 2024 1:38 pm

Tgt Ion	Ratio	Lower	Upper
95	100		
130	100.4	84.5	144.5
97	63.4	36.4	96.4
132	97.2	83.5	143.5

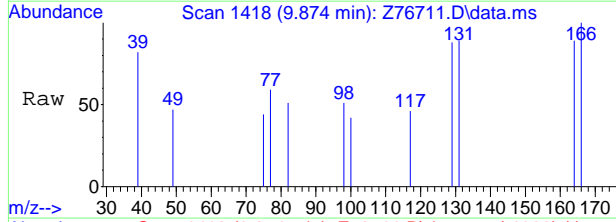


7.19



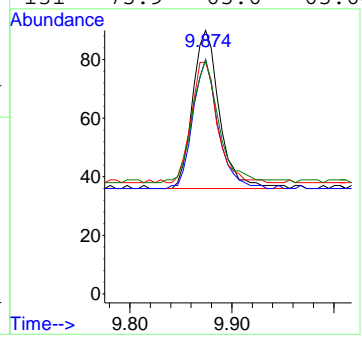
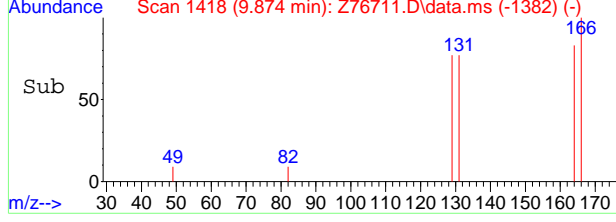


#21
 Tetrachloroethene
 Concen: 0.05 ug/L
 RT: 9.874 min Scan# 1418
 Delta R.T. 0.000 min
 Lab File: Z76711.D
 Acq: 3 Sep 2024 1:38 pm



Tgt Ion: 166 Resp: 99

Ion	Ratio	Lower	Upper
166	100		
164	81.5	47.5	107.5
129	75.9	34.2	94.2
131	75.9	65.6	65.6#



7.1.9
7



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\090324\
Data File : Z76712.D
Acq On : 3 Sep 2024 2:01 pm
Operator : claudias
Sample : FC18325-10 Inst : MSVOA15-Z
Misc : MS57405,VZ3088,,,,,
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Sep 04 06:50:52 2024
Quant Method : C:\msdchem\1\methods\SIMCL-08-28-2024.M
Quant Title : Standard Methods 6200B
QLast Update : Wed Aug 28 11:30:23 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Fluorobenzene	7.895	96	20296	5.00	ug/L	0.00
18) Chlorobenzene-d5	10.981	117	24190	5.00	ug/L	0.00
System Monitoring Compounds						
13) 1,2-Dichloroethane-d4	7.628	65	7031	5.72	ug/L	0.00
Spiked Amount	5.000	Range 74 - 125	Recovery	=	114.40%	
19) Toluene-d8	9.429	98	25410	4.71	ug/L	0.00
Spiked Amount	5.000	Range 88 - 111	Recovery	=	94.20%	
Target Compounds						
5) Methylene Chloride	5.213	49	247	0.08	ug/L	95
15) Trichloroethene	8.061	95	118	0.07	ug/L	85

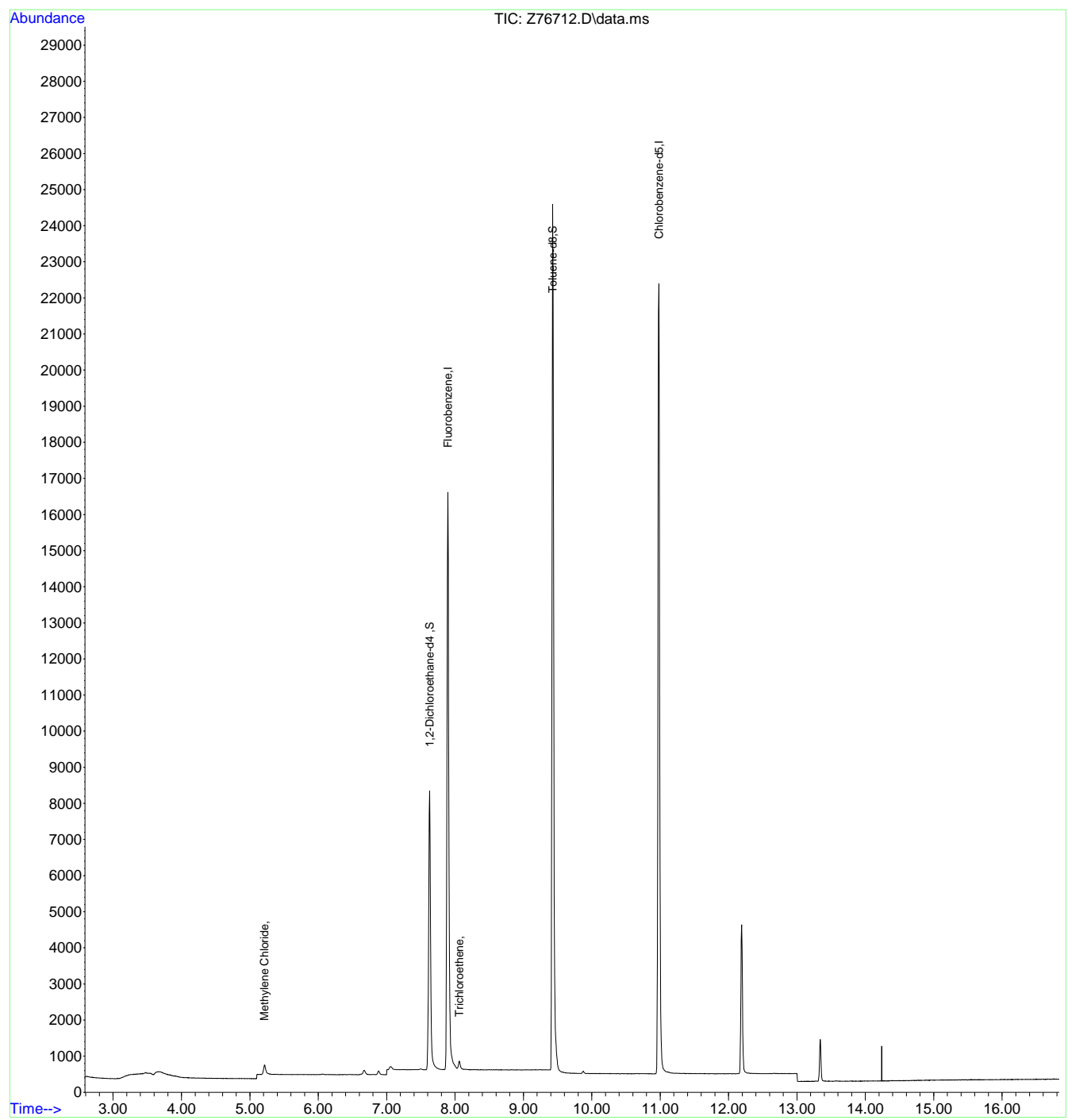
(#) = qualifier out of range (m) = manual integration (+) = signals summed

7.1.10
7

Quantitation Report (QT Reviewed)

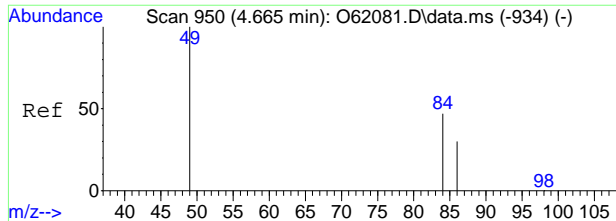
Data Path : C:\msdchem\1\data\090324\
Data File : Z76712.D
Acq On : 3 Sep 2024 2:01 pm
Operator : claudias
Sample : FC18325-10 Inst : MSVOA15-Z
Misc : MS57405,VZ3088,,,,,
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Sep 04 06:50:52 2024
Quant Method : C:\msdchem\1\methods\SIMCL-08-28-2024.M
Quant Title : Standard Methods 6200B
QLast Update : Wed Aug 28 11:30:23 2024
Response via : Initial Calibration



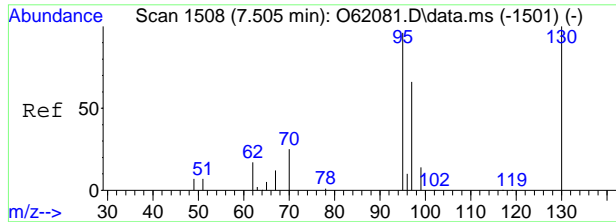
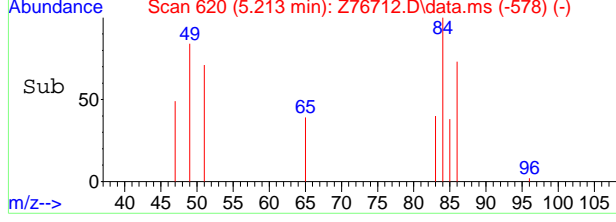
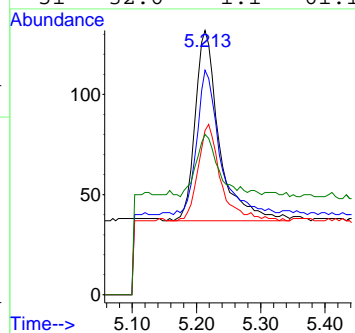
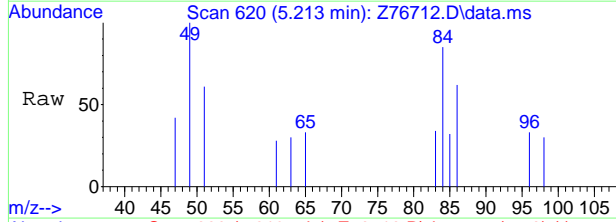
7.1.10
7





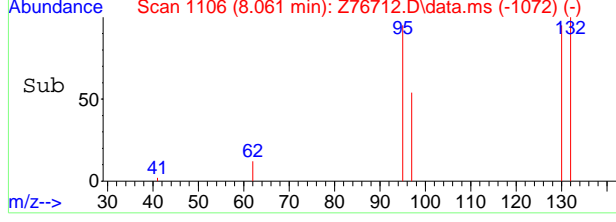
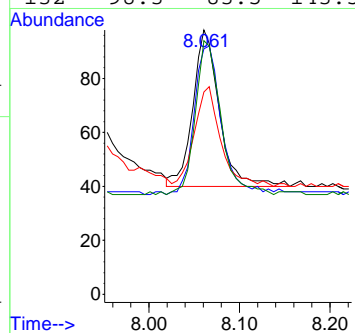
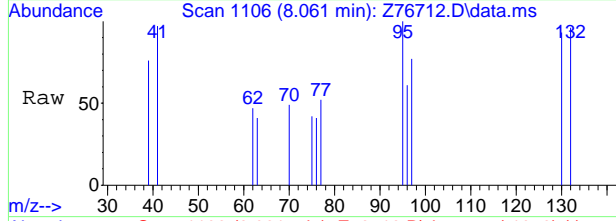
#5
Methylene Chloride
Concen: 0.08 ug/L
RT: 5.213 min Scan# 620
Delta R.T. 0.000 min
Lab File: Z76712.D
Acq: 3 Sep 2024 2:01 pm

Tgt Ion	Ratio	Lower	Upper
49	100		
84	74.7	49.7	109.7
86	47.4	22.0	82.0
51	32.6	1.1	61.1



#15
Trichloroethene
Concen: 0.07 ug/L
RT: 8.061 min Scan# 1106
Delta R.T. -0.000 min
Lab File: Z76712.D
Acq: 3 Sep 2024 2:01 pm

Tgt Ion	Ratio	Lower	Upper
95	100		
130	93.1	84.5	144.5
97	60.3	36.4	96.4
132	98.3	83.5	143.5

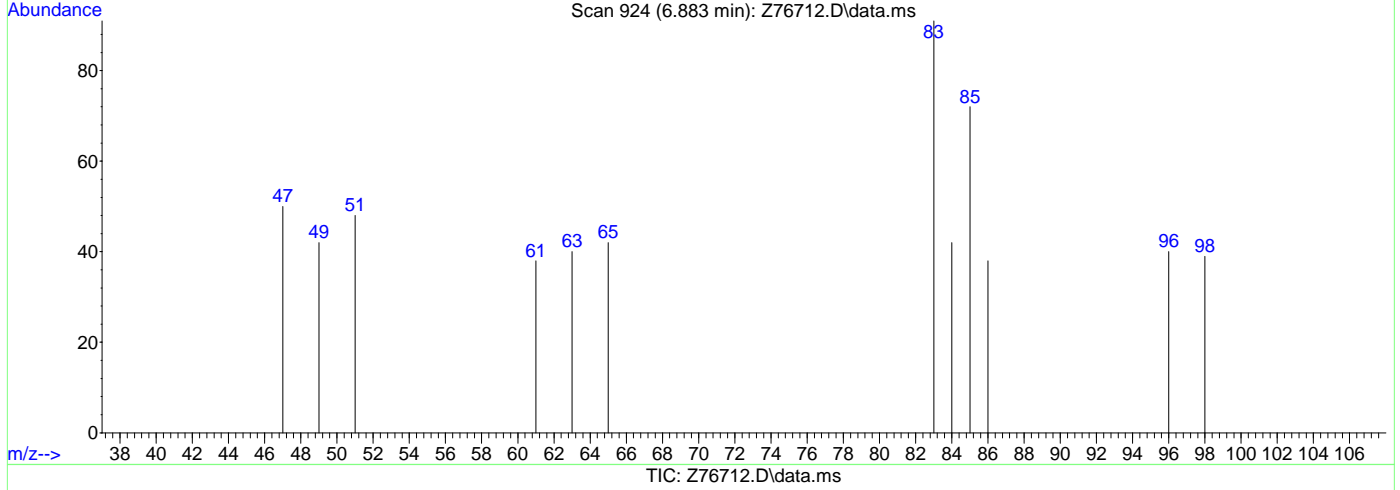
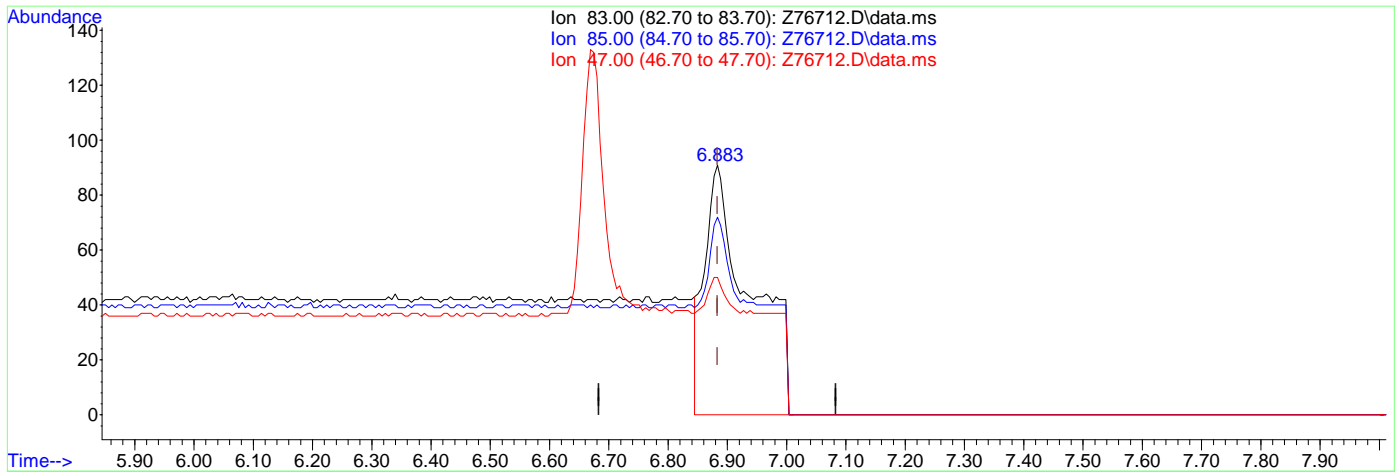


Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\090324\
Data File : Z76712.D
Acq On : 3 Sep 2024 2:01 pm
Operator : claudias
Sample : FC18325-10
Misc : MS57405,VZ3088,,,,,
ALS Vial : 17 Sample Multiplier: 1

Inst : MSVOA15-Z

Quant Time: Sep 04 06:37:51 2024
Quant Method : C:\msdchem\1\methods\SIMCL-08-28-2024.M
Quant Title : Standard Methods 6200B
QLast Update : Wed Aug 28 11:30:23 2024
Response via : Initial Calibration



(9) Chloroform

6.883min (+0.000) 0.14ug/L

response 492

Ion	Exp%	Act%
83.00	100	100
85.00	65.90	79.12
47.00	21.00	54.95#
0.00	0.00	0.00



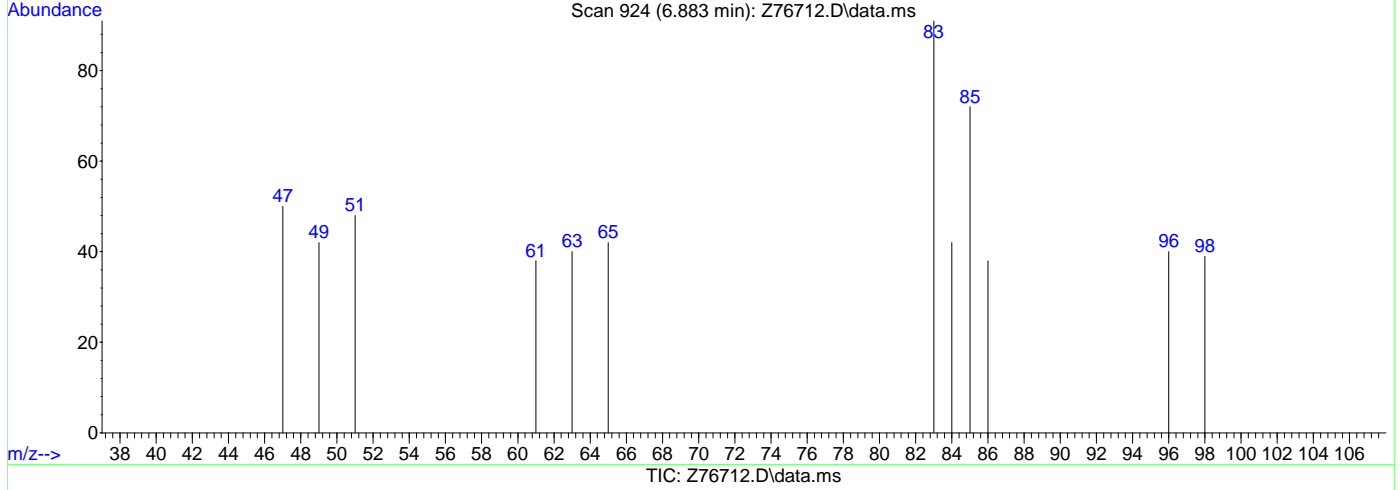
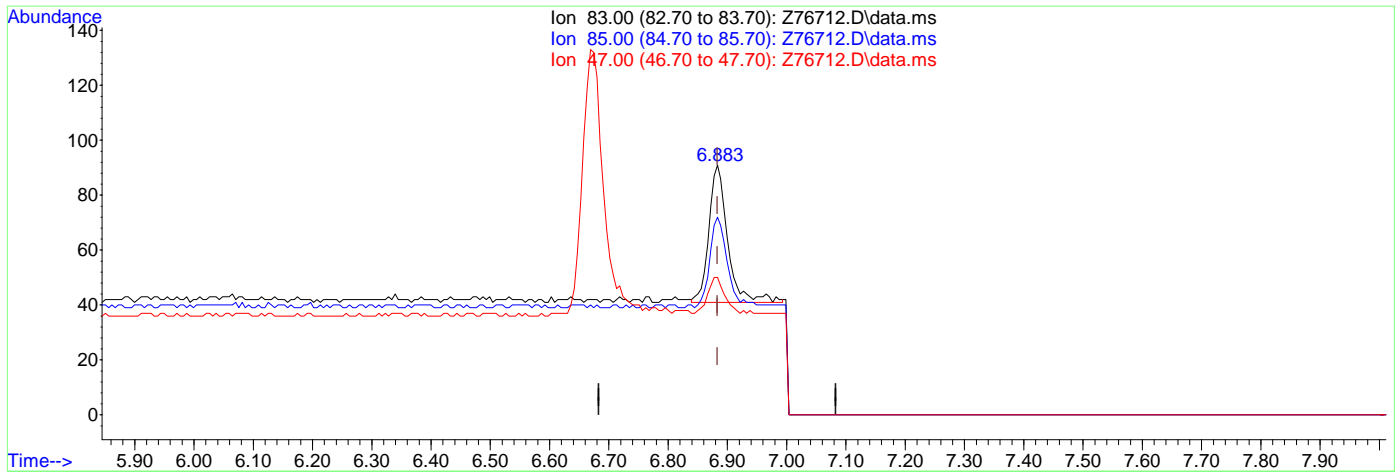
7-1-10-1
7

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\090324\
Data File : Z76712.D
Acq On : 3 Sep 2024 2:01 pm
Operator : claudias
Sample : FC18325-10
Misc : MS57405,VZ3088,,,,,
ALS Vial : 17 Sample Multiplier: 1

Inst : MSVOA15-Z

Quant Time: Sep 04 06:37:51 2024
Quant Method : C:\msdchem\1\methods\SIMCL-08-28-2024.M
Quant Title : Standard Methods 6200B
QLast Update : Wed Aug 28 11:30:23 2024
Response via : Initial Calibration



(9) Chloroform

6.883min (+0.000) 0.03ug/L m

response 110

Ion	Exp%	Act%
83.00	100	100
85.00	65.90	79.12
47.00	21.00	54.95#
0.00	0.00	0.00

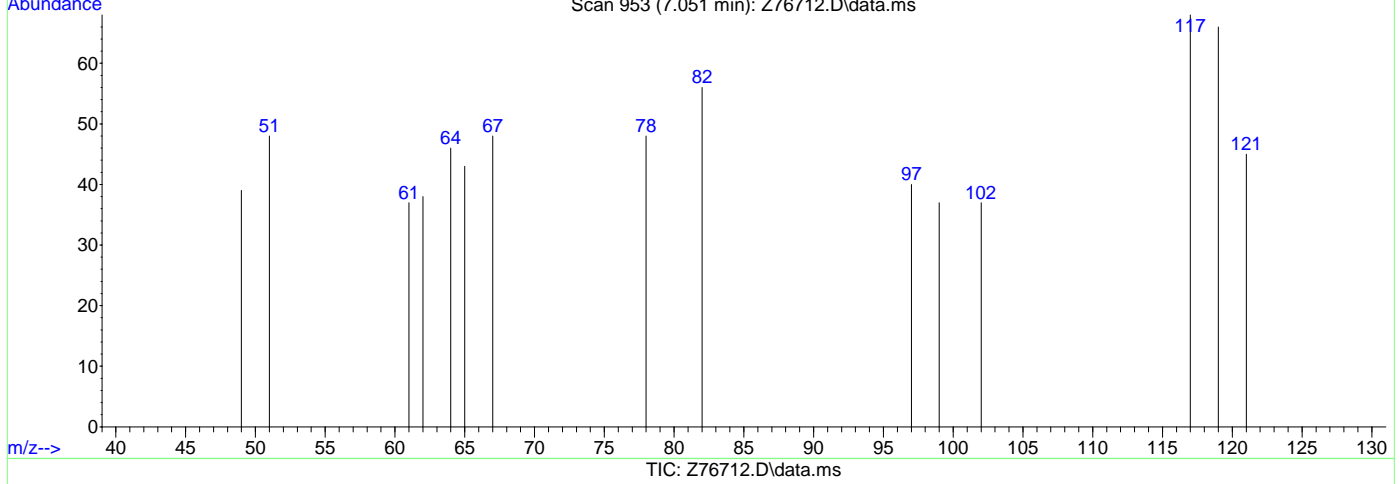
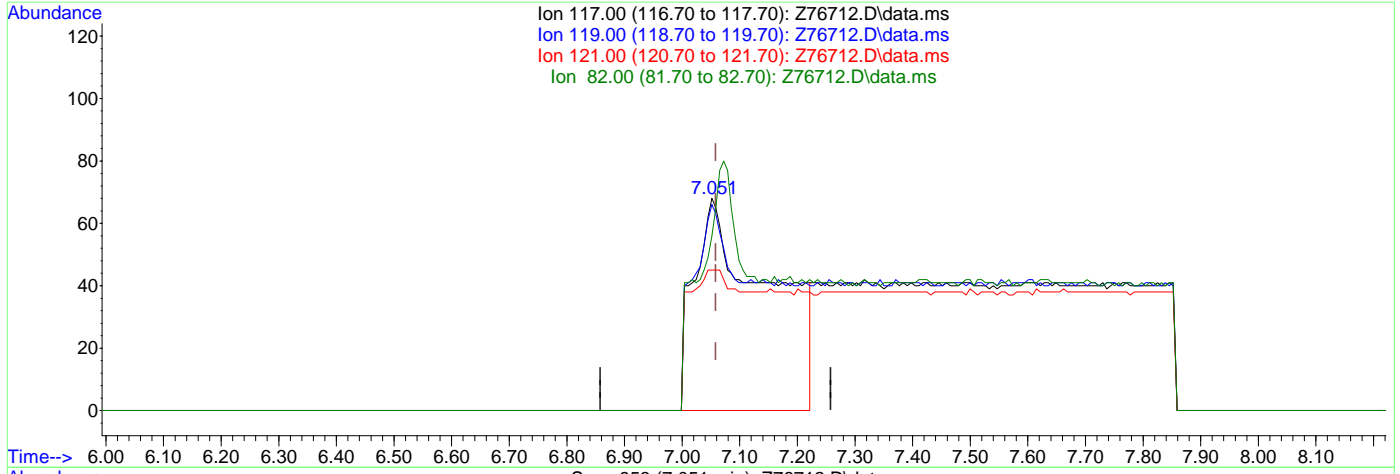


7.1.102
7

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\090324\
Data File : Z76712.D
Acq On : 3 Sep 2024 2:01 pm
Operator : claudias
Sample : FC18325-10 Inst : MSVOA15-Z
Misc : MS57405,VZ3088,,,,,
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Sep 04 06:37:51 2024
Quant Method : C:\msdchem\1\methods\SIMCL-08-28-2024.M
Quant Title : Standard Methods 6200B
QLast Update : Wed Aug 28 11:30:23 2024
Response via : Initial Calibration



(10) Carbon Tetrachloride ()

7.051min (-0.007) 0.22ug/L

response 594

Ion	Exp%	Act%
117.00	100	100
119.00	96.20	97.06
121.00	31.20	66.18#
82.00	20.80	82.35#

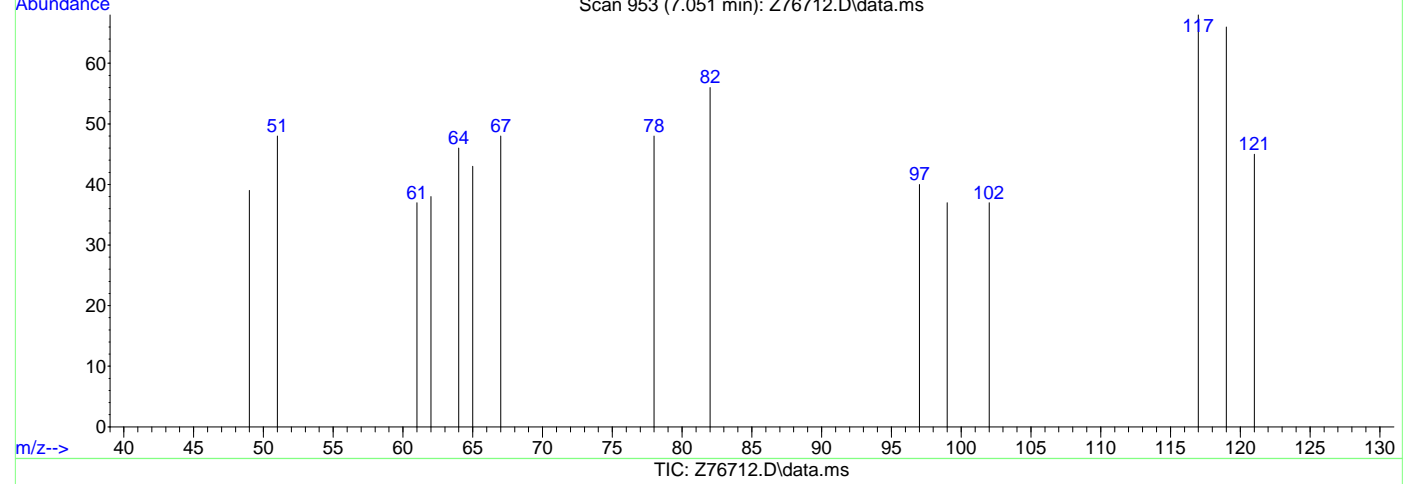
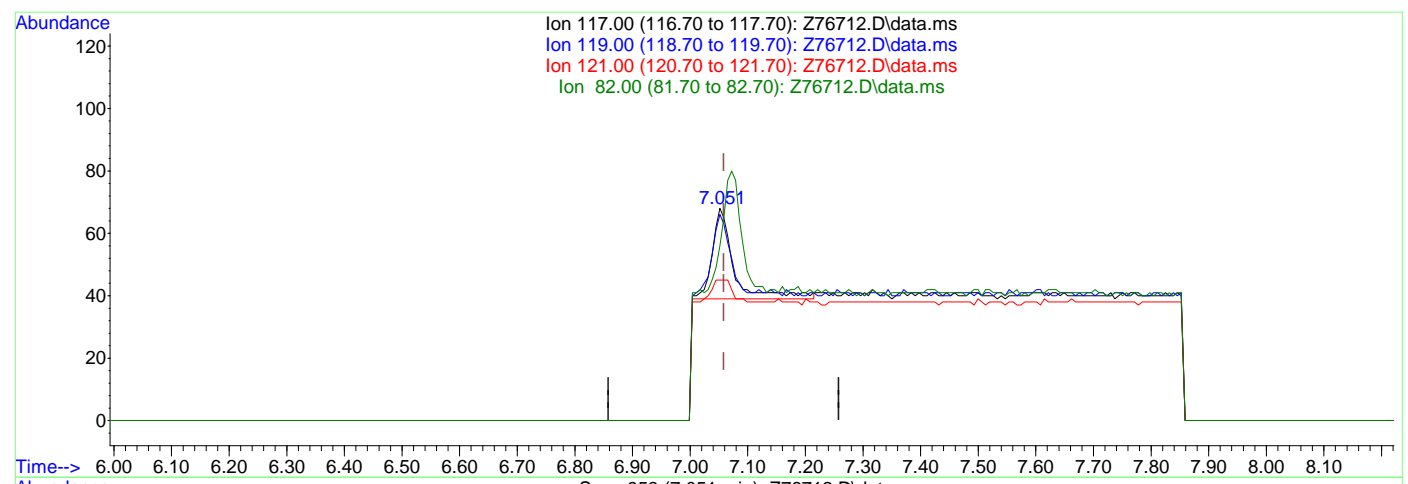


7.1.10.3
7

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\090324\
Data File : Z76712.D
Acq On : 3 Sep 2024 2:01 pm
Operator : claudias
Sample : FC18325-10 Inst : MSVOA15-Z
Misc : MS57405,VZ3088,,,,,
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Sep 04 06:37:51 2024
Quant Method : C:\msdchem\1\methods\SIMCL-08-28-2024.M
Quant Title : Standard Methods 6200B
QLast Update : Wed Aug 28 11:30:23 2024
Response via : Initial Calibration



(10) Carbon Tetrachloride ()

7.051min (-0.007) 0.03ug/L m

response 75

Ion	Exp%	Act%
117.00	100	100
119.00	96.20	97.06
121.00	31.20	66.18#
82.00	20.80	82.35#



7.1.10.4
7

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\090324\
Data File : Z76703.D
Acq On : 3 Sep 2024 10:35 am
Operator : claudias
Sample : FC18325-11 Inst : MSVOA15-Z
Misc : MS57405,VZ3088,,,,,
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Sep 03 10:54:41 2024
Quant Method : C:\msdchem\1\methods\SIMCL-08-28-2024.M
Quant Title : Standard Methods 6200B
QLast Update : Wed Aug 28 11:30:23 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Fluorobenzene	7.895	96	21024	5.00	ug/L	0.00
18) Chlorobenzene-d5	10.980	117	25051	5.00	ug/L	0.00
System Monitoring Compounds						
13) 1,2-Dichloroethane-d4	7.628	65	6934	5.44	ug/L	0.00
Spiked Amount	5.000	Range 74 - 125	Recovery	=	108.80%	
19) Toluene-d8	9.428	98	26196	4.69	ug/L	0.00
Spiked Amount	5.000	Range 88 - 111	Recovery	=	93.80%	
Target Compounds						
5) Methylene Chloride	5.213	49	211	0.07	ug/L	Qvalue 94

(#) = qualifier out of range (m) = manual integration (+) = signals summed

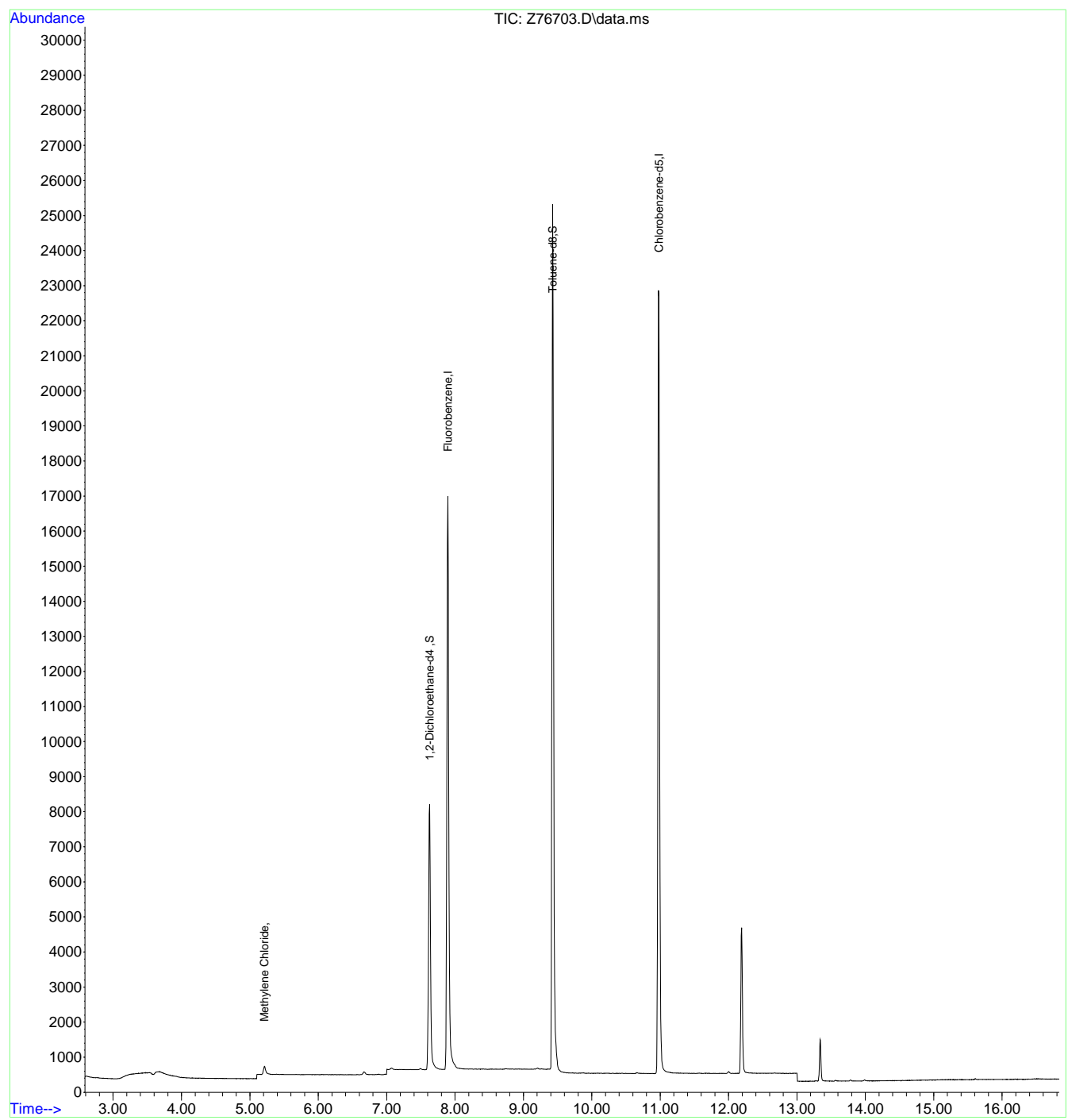
7.1.11
7



Quantitation Report (QT Reviewed)

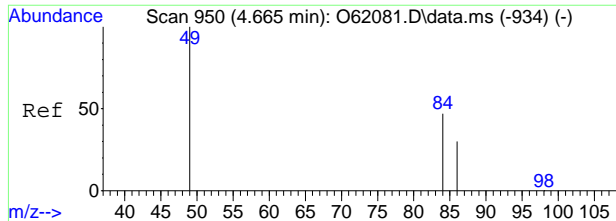
Data Path : C:\msdchem\1\data\090324\
Data File : Z76703.D
Acq On : 3 Sep 2024 10:35 am
Operator : claudias
Sample : FC18325-11 Inst : MSVOA15-Z
Misc : MS57405,VZ3088,,,,,
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Sep 03 10:54:41 2024
Quant Method : C:\msdchem\1\methods\SIMCL-08-28-2024.M
Quant Title : Standard Methods 6200B
QLast Update : Wed Aug 28 11:30:23 2024
Response via : Initial Calibration



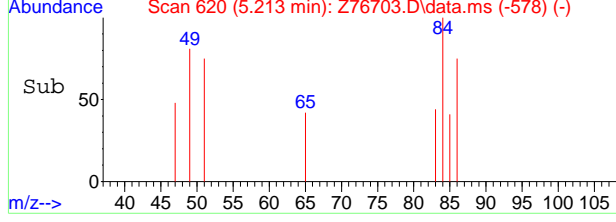
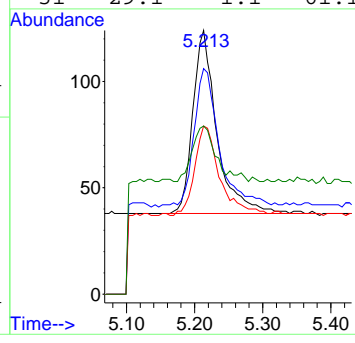
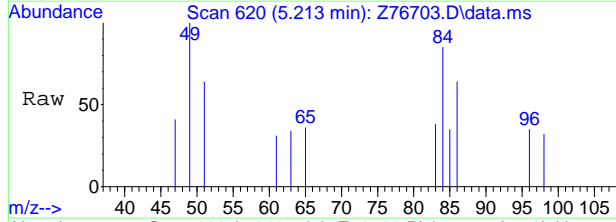
7.1.11
7





#5
 Methylene Chloride
 Concen: 0.07 ug/L
 RT: 5.213 min Scan# 620
 Delta R.T. 0.000 min
 Lab File: Z76703.D
 Acq: 3 Sep 2024 10:35 am

Tgt Ion	Ratio	Lower	Upper
49	100		
84	74.4	49.7	109.7
86	47.7	22.0	82.0
51	29.1	1.1	61.1



7.1.11
7



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\090324\
Data File : Z76704.D
Acq On : 3 Sep 2024 10:58 am
Operator : claudias
Sample : FC18325-12 Inst : MSVOA15-Z
Misc : MS57405,VZ3088,,,,,
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Sep 03 11:26:09 2024
Quant Method : C:\msdchem\1\methods\SIMCL-08-28-2024.M
Quant Title : Standard Methods 6200B
QLast Update : Wed Aug 28 11:30:23 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Fluorobenzene	7.895	96	20746	5.00	ug/L	0.00
18) Chlorobenzene-d5	10.981	117	24610	5.00	ug/L	0.00
System Monitoring Compounds						
13) 1,2-Dichloroethane-d4	7.628	65	6826	5.43	ug/L	0.00
Spiked Amount	5.000	Range 74 - 125	Recovery	=	108.60%	
19) Toluene-d8	9.429	98	25764	4.69	ug/L	0.00
Spiked Amount	5.000	Range 88 - 111	Recovery	=	93.80%	
Target Compounds						
5) Methylene Chloride	5.213	49	233	0.07	ug/L	Qvalue 92

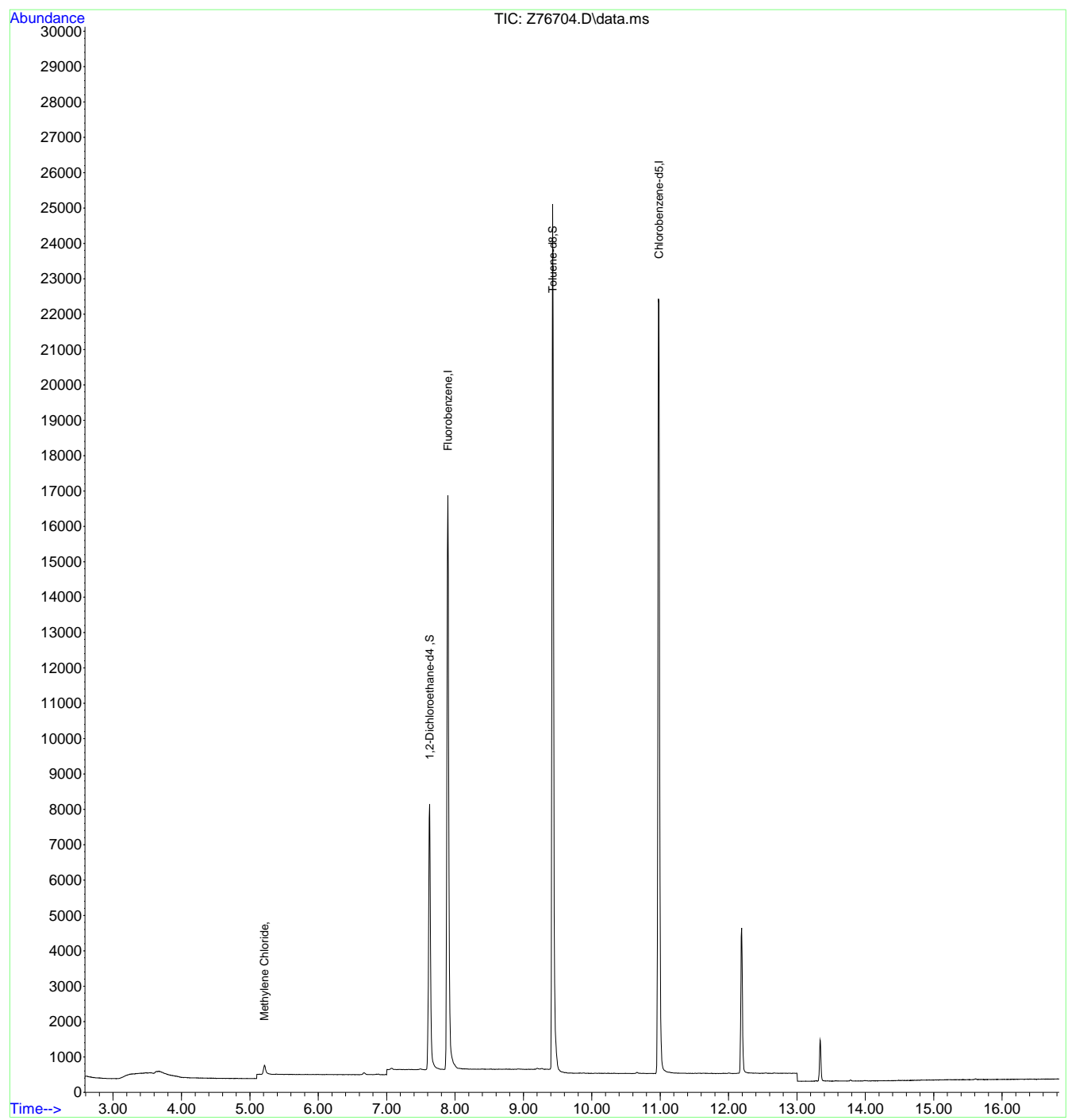
(#) = qualifier out of range (m) = manual integration (+) = signals summed

7.1.12
7

Quantitation Report (QT Reviewed)

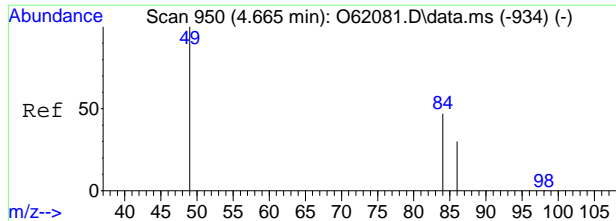
Data Path : C:\msdchem\1\data\090324\
Data File : Z76704.D
Acq On : 3 Sep 2024 10:58 am
Operator : claudias
Sample : FC18325-12 Inst : MSVOA15-Z
Misc : MS57405,VZ3088,,,,,
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Sep 03 11:26:09 2024
Quant Method : C:\msdchem\1\methods\SIMCL-08-28-2024.M
Quant Title : Standard Methods 6200B
QLast Update : Wed Aug 28 11:30:23 2024
Response via : Initial Calibration



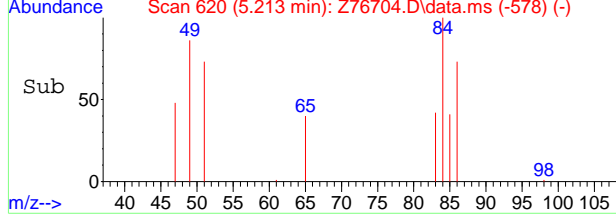
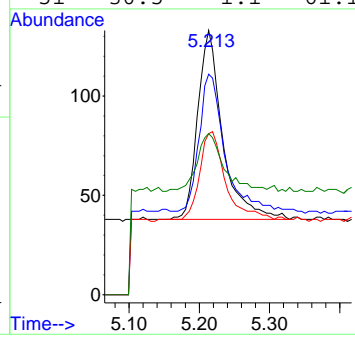
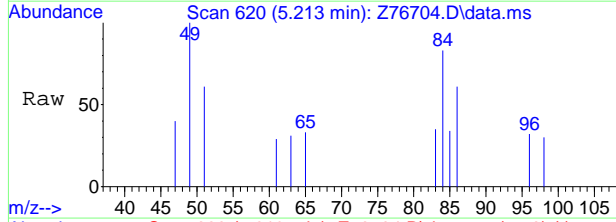
7.1.12
7





#5
 Methylene Chloride
 Concen: 0.07 ug/L
 RT: 5.213 min Scan# 620
 Delta R.T. 0.000 min
 Lab File: Z76704.D
 Acq: 3 Sep 2024 10:58 am

Tgt Ion	Ratio	Lower	Upper
49	100		
84	71.6	49.7	109.7
86	45.3	22.0	82.0
51	30.5	1.1	61.1



7.1.12
7



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\090324\
Data File : Z76713.D
Acq On : 3 Sep 2024 2:23 pm
Operator : claudias
Sample : FC18325-13 Inst : MSVOA15-Z
Misc : MS57405,VZ3088,,,,,
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Sep 04 06:52:26 2024
Quant Method : C:\msdchem\1\methods\SIMCL-08-28-2024.M
Quant Title : Standard Methods 6200B
QLast Update : Wed Aug 28 11:30:23 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	Qvalue

Internal Standards							
1) Fluorobenzene	7.894	96	19890	5.00	ug/L	0.00	
18) Chlorobenzene-d5	10.980	117	23347	5.00	ug/L	0.00	
System Monitoring Compounds							
13) 1,2-Dichloroethane-d4	7.628	65	6719	5.58	ug/L	0.00	
Spiked Amount	5.000	Range	74 - 125	Recovery	=	111.60%	
19) Toluene-d8	9.428	98	24726	4.75	ug/L	0.00	
Spiked Amount	5.000	Range	88 - 111	Recovery	=	95.00%	
Target Compounds							
5) Methylene Chloride	5.213	49	213	0.07	ug/L		89
9) Chloroform	6.883	83	161m	0.05	ug/L		
10) Carbon Tetrachloride	7.051	117	382m	0.14	ug/L		
15) Trichloroethene	8.060	95	584	0.37	ug/L		87

(#) = qualifier out of range (m) = manual integration (+) = signals summed

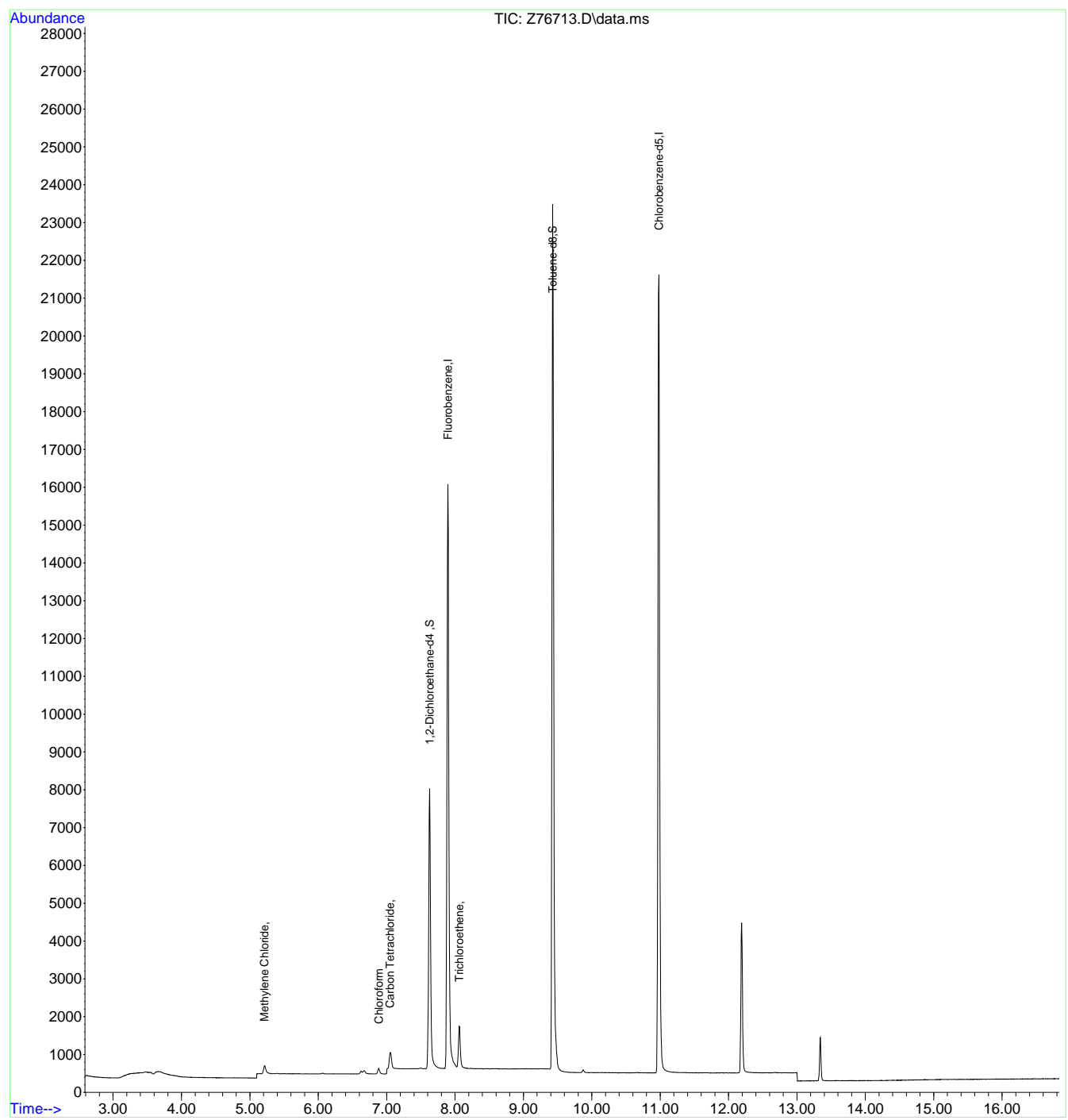
7.1.13
7

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\090324\
Data File : Z76713.D
Acq On : 3 Sep 2024 2:23 pm
Operator : claudias
Sample : FC18325-13
Misc : MS57405,VZ3088,,,,,
ALS Vial : 18 Sample Multiplier: 1

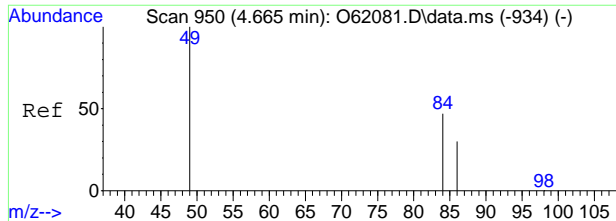
Inst : MSVOA15-Z

Quant Time: Sep 04 06:52:26 2024
Quant Method : C:\msdchem\1\methods\SIMCL-08-28-2024.M
Quant Title : Standard Methods 6200B
QLast Update : Wed Aug 28 11:30:23 2024
Response via : Initial Calibration



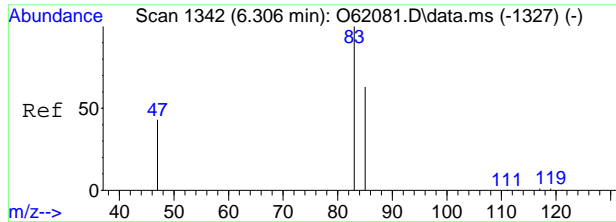
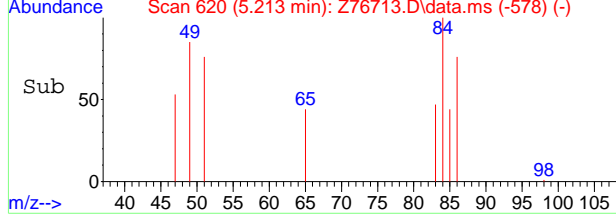
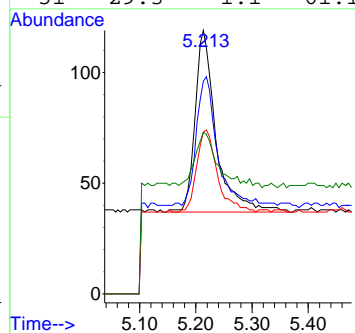
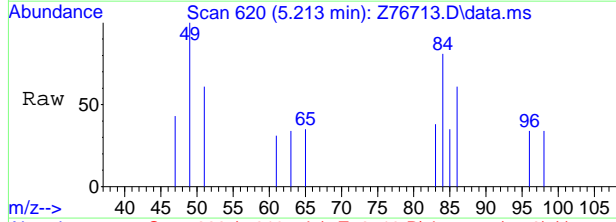
7.1.13
7





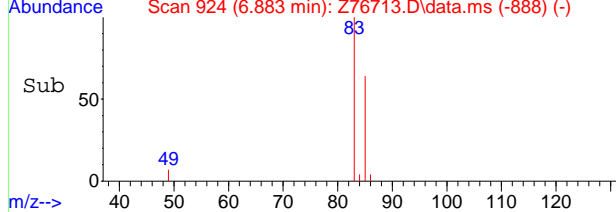
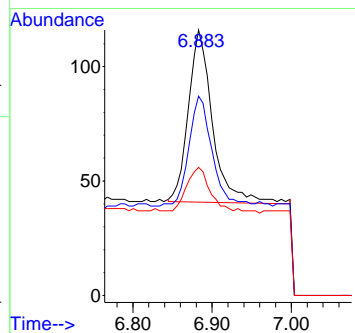
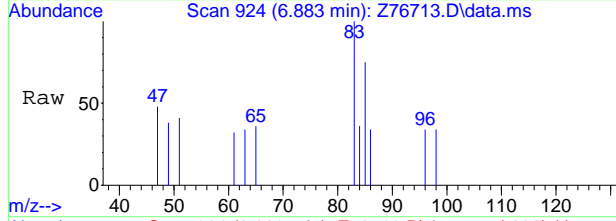
#5
 Methylene Chloride
 Concen: 0.07 ug/L
 RT: 5.213 min Scan# 620
 Delta R.T. 0.000 min
 Lab File: Z76713.D
 Acq: 3 Sep 2024 2:23 pm

Tgt Ion	Ratio	Lower	Upper
49	100		
84	68.3	49.7	109.7
86	43.9	22.0	82.0
51	29.3	1.1	61.1



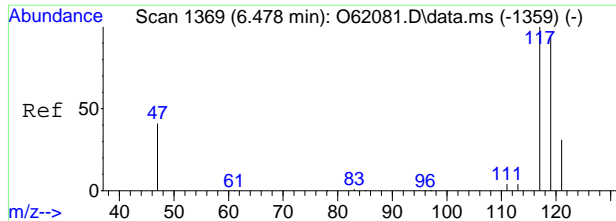
#9
 Chloroform
 Concen: 0.05 ug/L m
 RT: 6.883 min Scan# 924
 Delta R.T. -0.000 min
 Lab File: Z76713.D
 Acq: 3 Sep 2024 2:23 pm

Tgt Ion	Ratio	Lower	Upper
83	100		
85	75.0	35.9	95.9
47	48.3	0.0	51.0



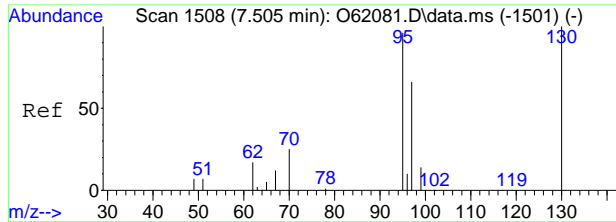
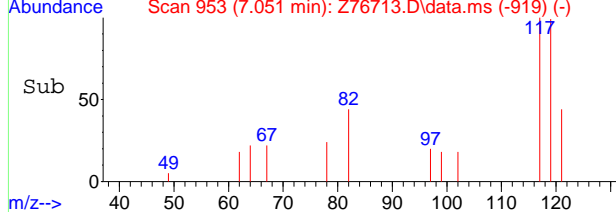
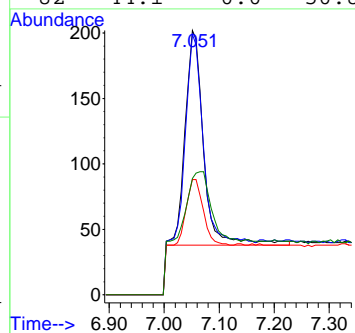
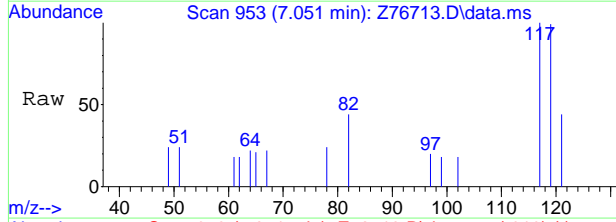
7.1.13
7





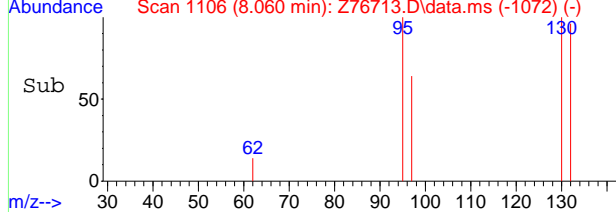
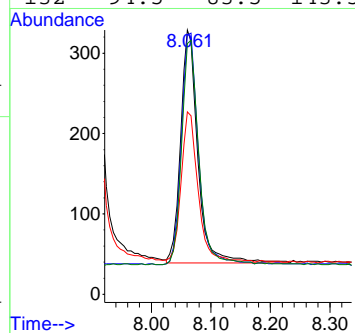
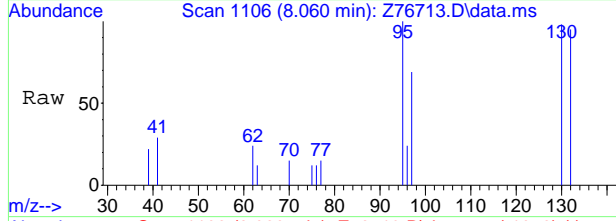
#10
Carbon Tetrachloride
Concen: 0.14 ug/L m
RT: 7.051 min Scan# 953
Delta R.T. -0.007 min
Lab File: Z76713.D
Acq: 3 Sep 2024 2:23 pm

Tgt Ion	Ratio	Lower	Upper
117	100		
119	98.5	66.2	126.2
121	43.6	1.2	61.2
82	44.1	0.0	50.8



#15
Trichloroethene
Concen: 0.37 ug/L
RT: 8.060 min Scan# 1106
Delta R.T. -0.001 min
Lab File: Z76713.D
Acq: 3 Sep 2024 2:23 pm

Tgt Ion	Ratio	Lower	Upper
95	100		
130	98.3	84.5	144.5
97	64.1	36.4	96.4
132	94.5	83.5	143.5



Manual Integration Approval Summary

Sample Number: FC18325-13
Lab FileID: Z76713.D
Injection Time: 09/03/24 14:23

Method: SW846 8260D BY SIM
Analyst approved: 09/04/24 07:58 Claudia Sosa
Supervisor approved: 09/04/24 09:30 Karen Watson

Parameter	CAS	Sig#	R.T. (min.)	Reason
Chloroform	67-66-3		6.88	Poor instrument integration
Carbon Tetrachloride	56-23-5		7.05	Poor instrument integration

7.1.13.1

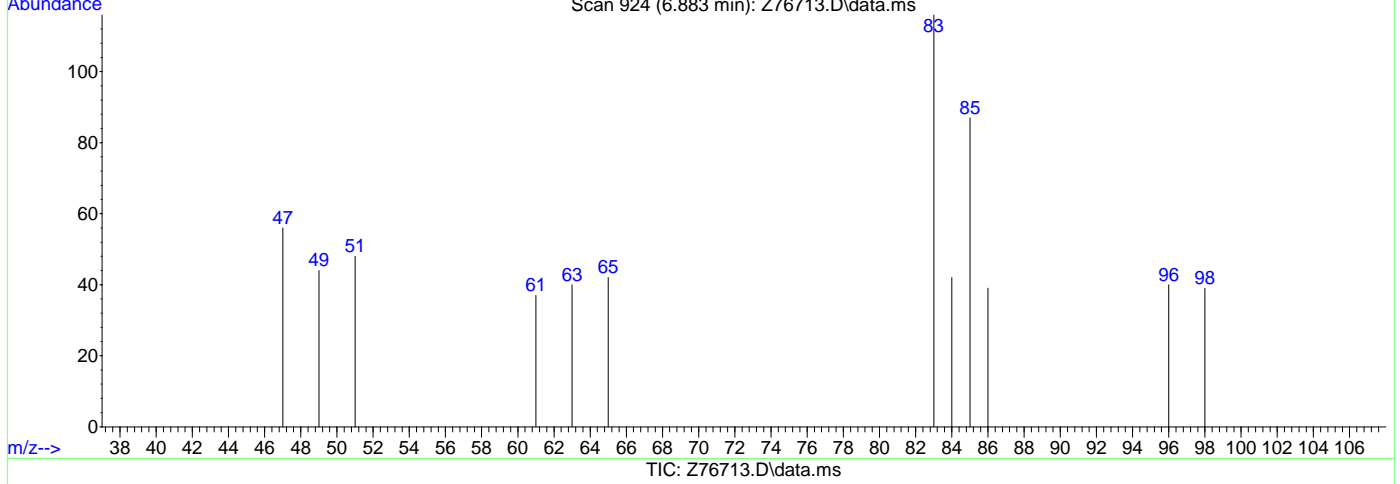
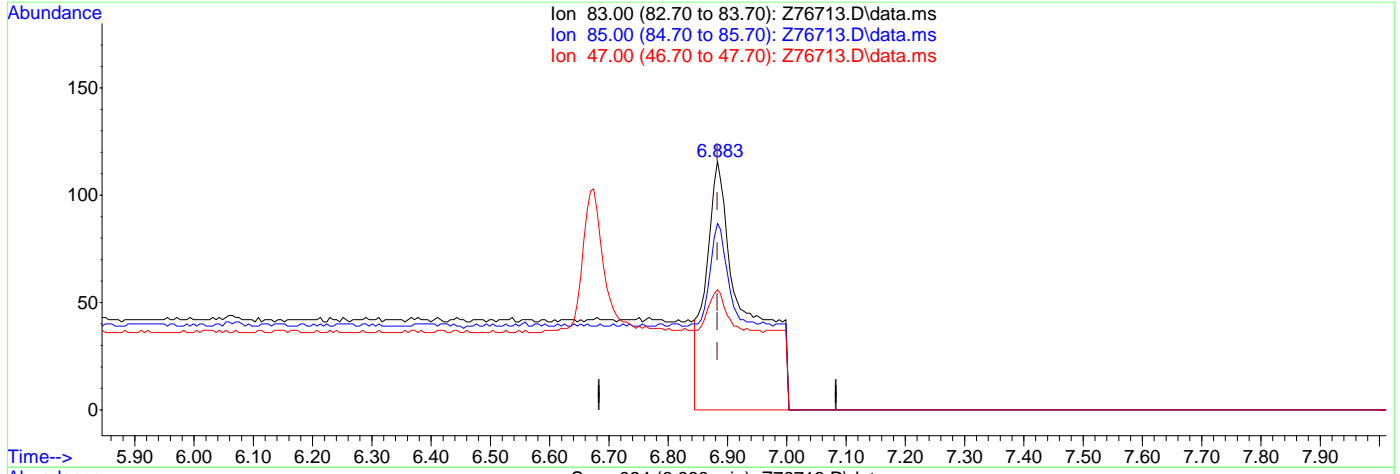
7

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\090324\
Data File : Z76713.D
Acq On : 3 Sep 2024 2:23 pm
Operator : claudias
Sample : FC18325-13
Misc : MS57405,VZ3088,,,,,
ALS Vial : 18 Sample Multiplier: 1

Inst : MSVOA15-Z

Quant Time: Sep 04 06:37:54 2024
Quant Method : C:\msdchem\1\methods\SIMCL-08-28-2024.M
Quant Title : Standard Methods 6200B
QLast Update : Wed Aug 28 11:30:23 2024
Response via : Initial Calibration



(9) Chloroform

6.883min (-0.000) 0.15ug/L

response 539

Ion	Exp%	Act%
83.00	100	100
85.00	65.90	75.00
47.00	21.00	48.28
0.00	0.00	0.00



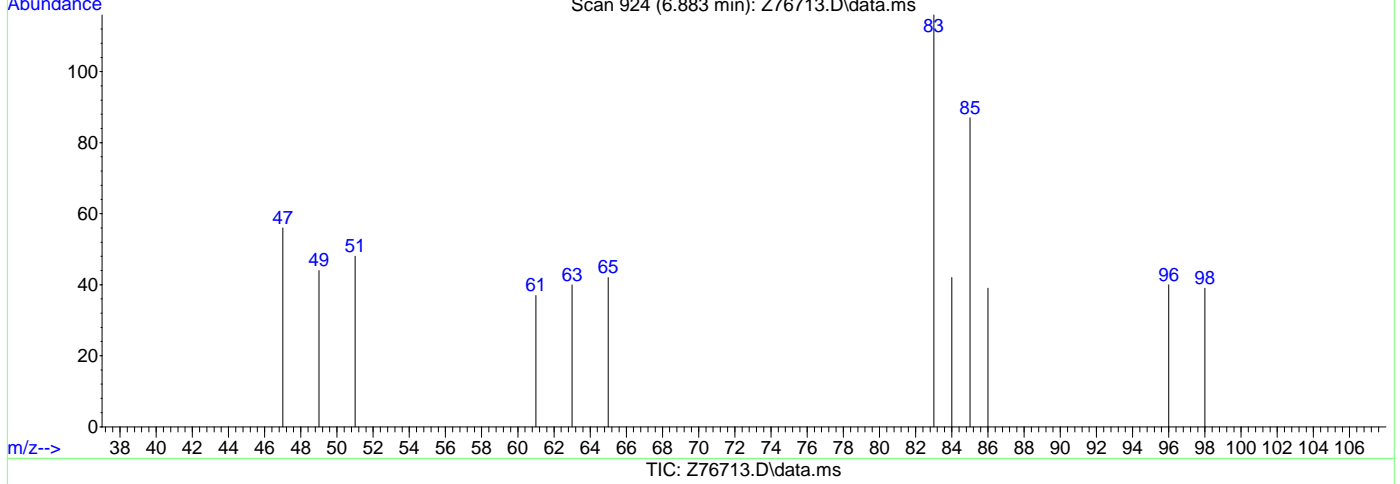
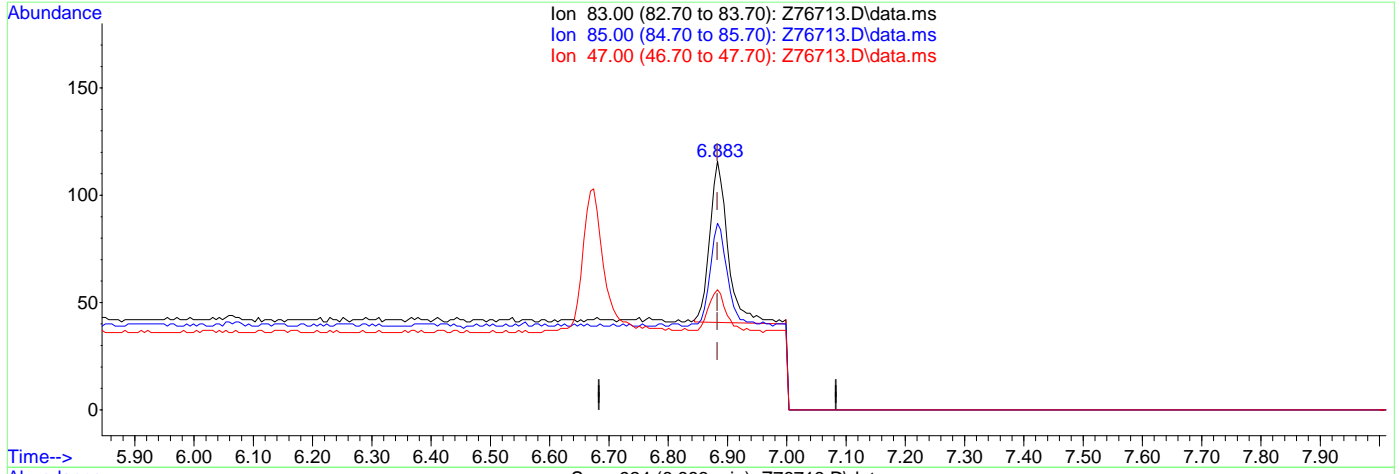
7.1.13.2
7

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\090324\
Data File : Z76713.D
Acq On : 3 Sep 2024 2:23 pm
Operator : claudias
Sample : FC18325-13
Misc : MS57405,VZ3088,,,,,
ALS Vial : 18 Sample Multiplier: 1

Inst : MSVOA15-Z

Quant Time: Sep 04 06:37:54 2024
Quant Method : C:\msdchem\1\methods\SIMCL-08-28-2024.M
Quant Title : Standard Methods 6200B
QLast Update : Wed Aug 28 11:30:23 2024
Response via : Initial Calibration



(9) Chloroform

6.883min (-0.000) 0.05ug/L m

response 161

Ion	Exp%	Act%
83.00	100	100
85.00	65.90	75.00
47.00	21.00	48.28
0.00	0.00	0.00



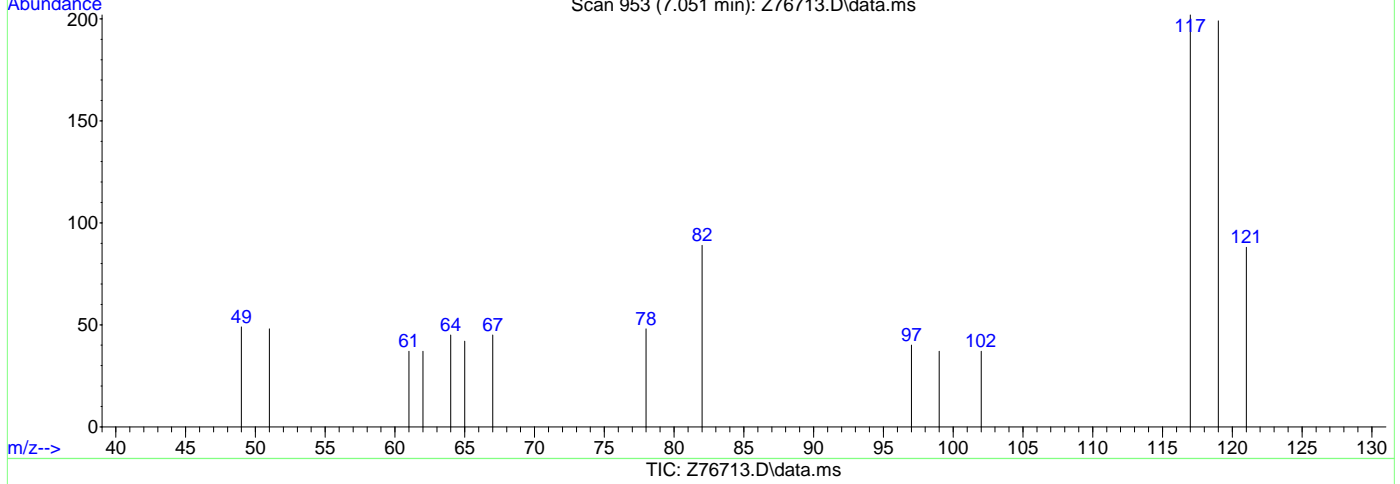
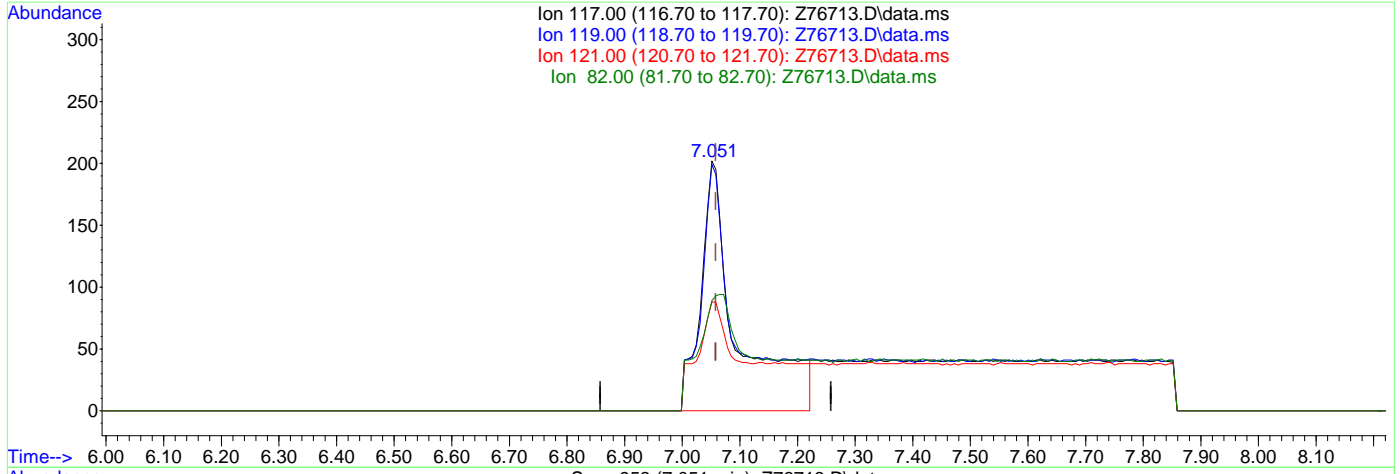
7.1.13.3
7

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\090324\
Data File : Z76713.D
Acq On : 3 Sep 2024 2:23 pm
Operator : claudias
Sample : FC18325-13
Misc : MS57405,VZ3088,,,,,
ALS Vial : 18 Sample Multiplier: 1

Inst : MSVOA15-Z

Quant Time: Sep 04 06:37:54 2024
Quant Method : C:\msdchem\1\methods\SIMCL-08-28-2024.M
Quant Title : Standard Methods 6200B
QLast Update : Wed Aug 28 11:30:23 2024
Response via : Initial Calibration



(10) Carbon Tetrachloride ()

7.051min (-0.007) 0.34ug/L

response 883

Ion	Exp%	Act%
117.00	100	100
119.00	96.20	98.51
121.00	31.20	43.56
82.00	20.80	44.06

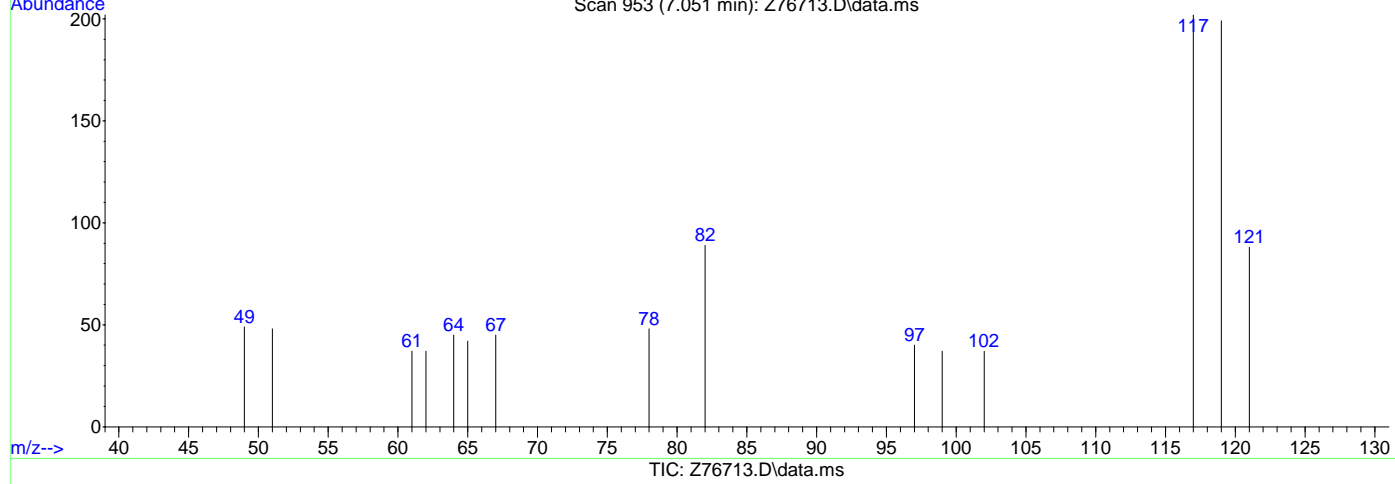
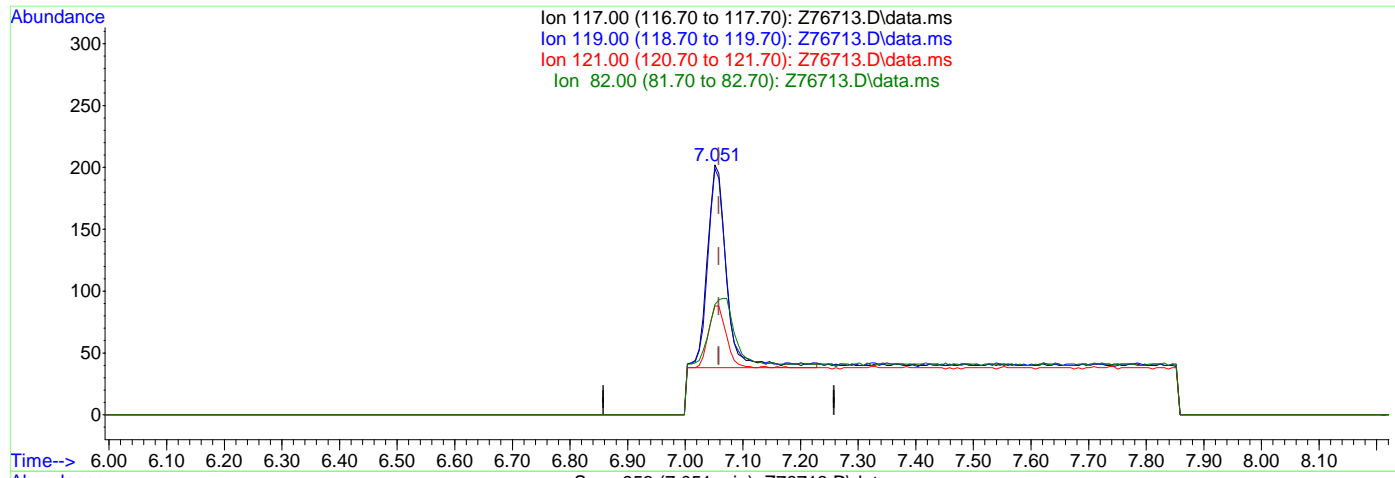
7.1.13.4
7

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\090324\
Data File : Z76713.D
Acq On : 3 Sep 2024 2:23 pm
Operator : claudias
Sample : FC18325-13
Misc : MS57405,VZ3088,,,,,
ALS Vial : 18 Sample Multiplier: 1

Inst : MSVOA15-Z

Quant Time: Sep 04 06:37:54 2024
Quant Method : C:\msdchem\1\methods\SIMCL-08-28-2024.M
Quant Title : Standard Methods 6200B
QLast Update : Wed Aug 28 11:30:23 2024
Response via : Initial Calibration



(10) Carbon Tetrachloride ()

7.051min (-0.007) 0.14ug/L m

response 382

Ion	Exp%	Act%
117.00	100	100
119.00	96.20	98.51
121.00	31.20	43.56
82.00	20.80	44.06



7.1.13.5
7

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\090324\
Data File : Z76714.D
Acq On : 3 Sep 2024 2:46 pm
Operator : claudias
Sample : FC18325-14 Inst : MSVOA15-Z
Misc : MS57405,VZ3088,,,,,
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Sep 04 06:54:11 2024
Quant Method : C:\msdchem\1\methods\SIMCL-08-28-2024.M
Quant Title : Standard Methods 6200B
QLast Update : Wed Aug 28 11:30:23 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	Qvalue

Internal Standards							
1) Fluorobenzene	7.895	96	19648	5.00	ug/L	0.00	
18) Chlorobenzene-d5	10.980	117	23160	5.00	ug/L	0.00	
System Monitoring Compounds							
13) 1,2-Dichloroethane-d4	7.628	65	6653	5.59	ug/L	0.00	
Spiked Amount	5.000	Range 74 - 125	Recovery	=	111.80%		
19) Toluene-d8	9.428	98	24617	4.77	ug/L	0.00	
Spiked Amount	5.000	Range 88 - 111	Recovery	=	95.40%		
Target Compounds							
5) Methylene Chloride	5.208	49	218	0.07	ug/L		88
8) cis-1,2-Dichloroethene	6.625	96	296	0.15	ug/L		91
9) Chloroform	6.883	83	218m	0.06	ug/L		
10) Carbon Tetrachloride	7.051	117	233m	0.09	ug/L		
15) Trichloroethene	8.061	95	1567	1.00	ug/L		89
21) Tetrachloroethene	9.874	166	188	0.11	ug/L #		92

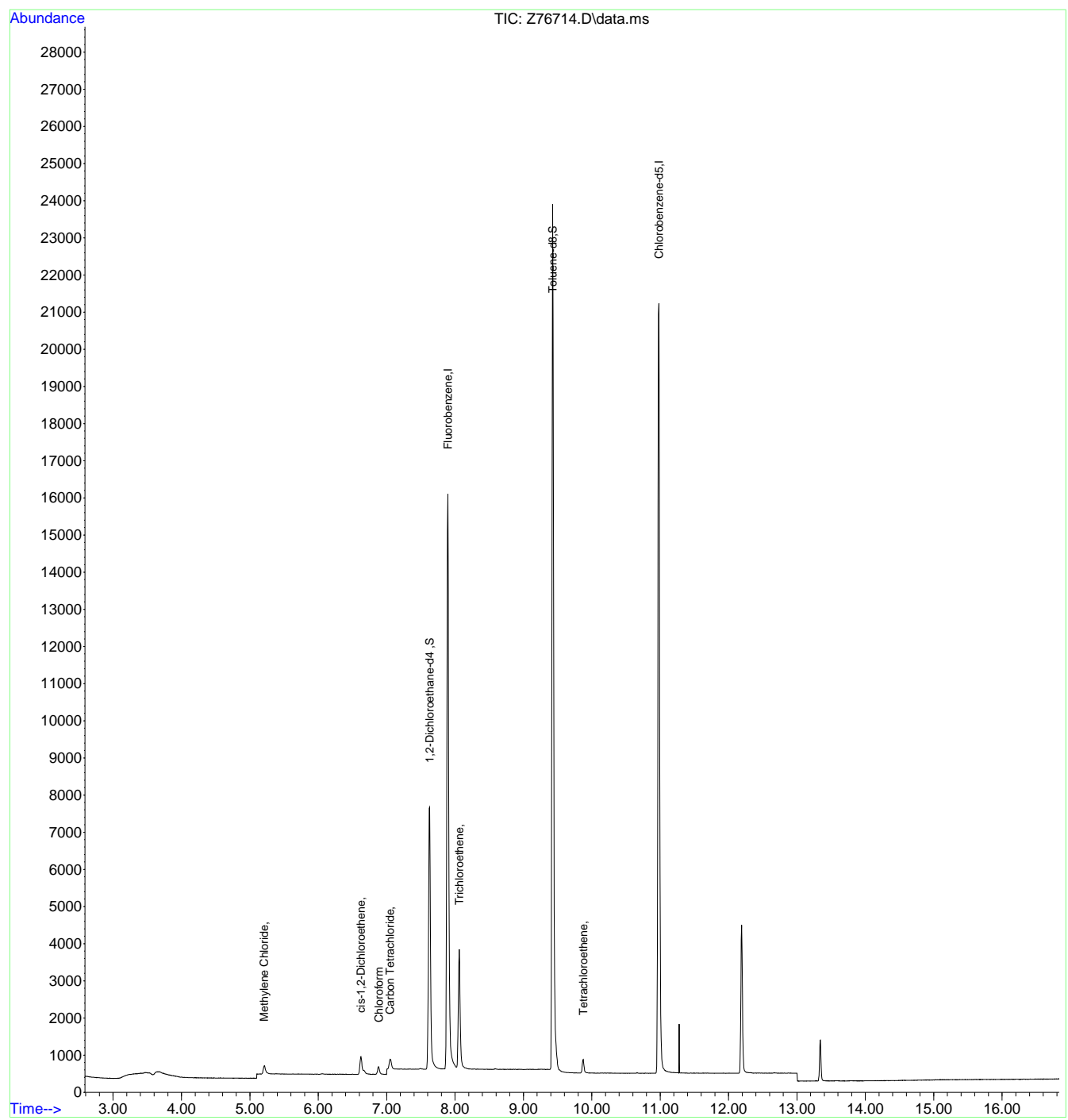
(#) = qualifier out of range (m) = manual integration (+) = signals summed

7.1.14
7

Quantitation Report (QT Reviewed)

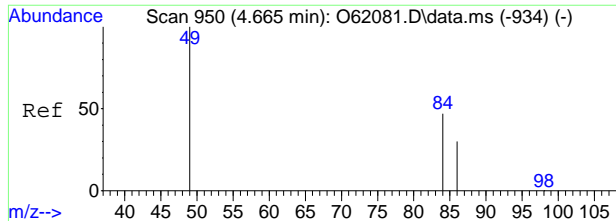
Data Path : C:\msdchem\1\data\090324\
Data File : Z76714.D
Acq On : 3 Sep 2024 2:46 pm
Operator : claudias
Sample : FC18325-14 Inst : MSVOA15-Z
Misc : MS57405,VZ3088,,,,,
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Sep 04 06:54:11 2024
Quant Method : C:\msdchem\1\methods\SIMCL-08-28-2024.M
Quant Title : Standard Methods 6200B
QLast Update : Wed Aug 28 11:30:23 2024
Response via : Initial Calibration



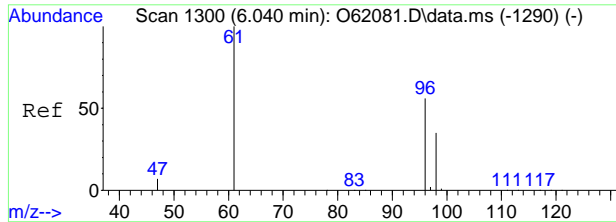
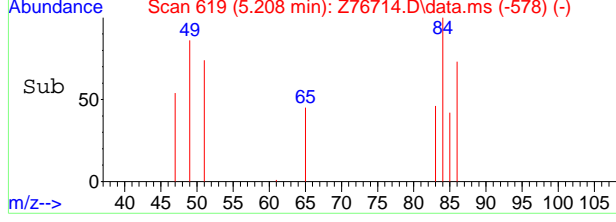
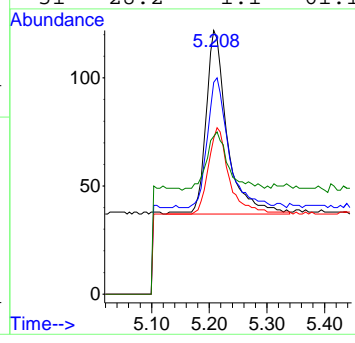
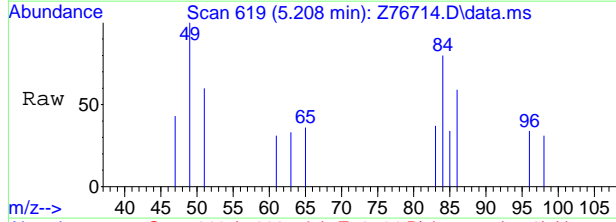
7.1.14
7





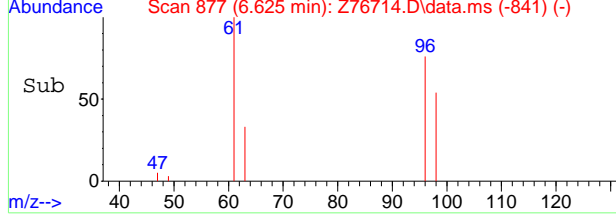
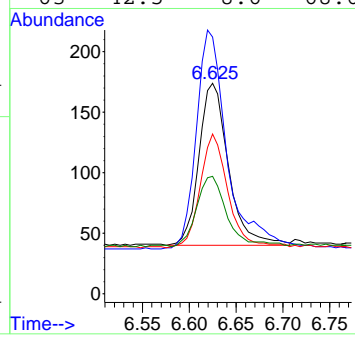
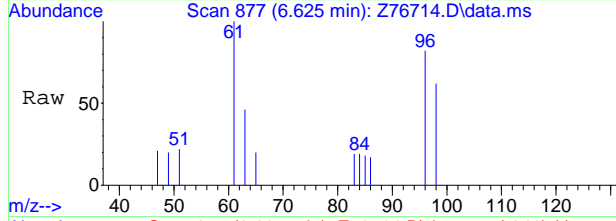
#5
 Methylene Chloride
 Concen: 0.07 ug/L
 RT: 5.208 min Scan# 619
 Delta R.T. -0.005 min
 Lab File: Z76714.D
 Acq: 3 Sep 2024 2:46 pm

Tgt Ion	Ratio	Lower	Upper
49	100		
84	68.2	49.7	109.7
86	41.2	22.0	82.0
51	28.2	1.1	61.1



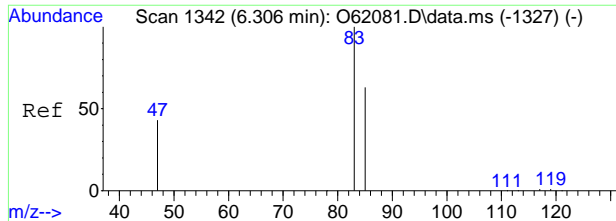
#8
 cis-1,2-Dichloroethene
 Concen: 0.15 ug/L
 RT: 6.625 min Scan# 877
 Delta R.T. -0.000 min
 Lab File: Z76714.D
 Acq: 3 Sep 2024 2:46 pm

Tgt Ion	Ratio	Lower	Upper
96	100		
61	129.9	87.8	147.8
98	70.1	34.4	94.4
63	42.5	8.6	68.6



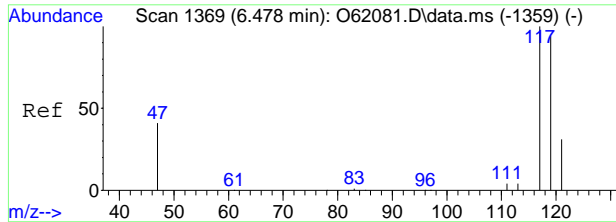
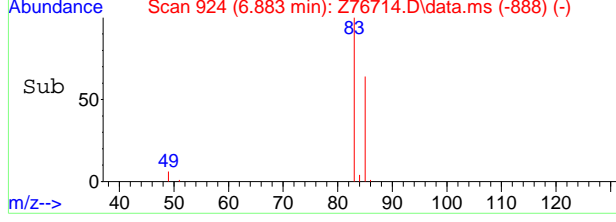
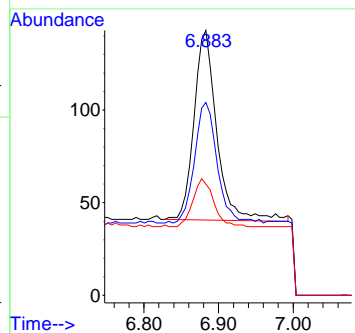
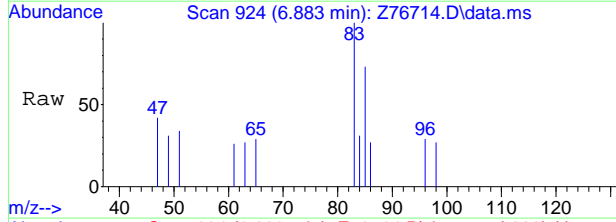
7.1.14
7





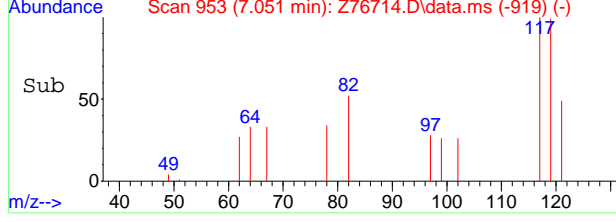
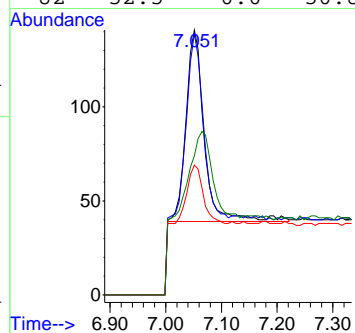
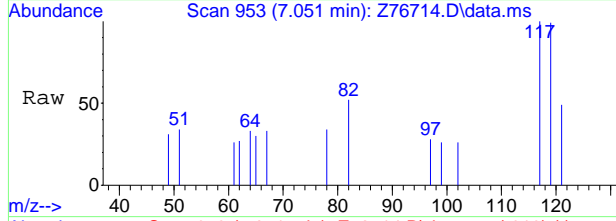
#9
 Chloroform
 Concen: 0.06 ug/L m
 RT: 6.883 min Scan# 924
 Delta R.T. -0.000 min
 Lab File: Z76714.D
 Acq: 3 Sep 2024 2:46 pm

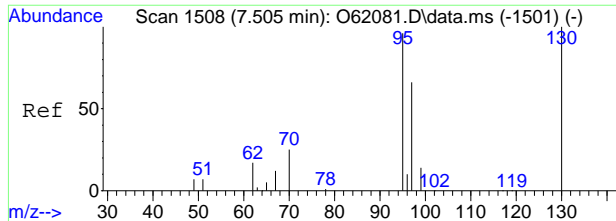
Tgt Ion	Resp	Lower	Upper
83	218		
85	72.7	35.9	95.9
47	42.0	0.0	51.0



#10
 Carbon Tetrachloride
 Concen: 0.09 ug/L m
 RT: 7.051 min Scan# 953
 Delta R.T. -0.007 min
 Lab File: Z76714.D
 Acq: 3 Sep 2024 2:46 pm

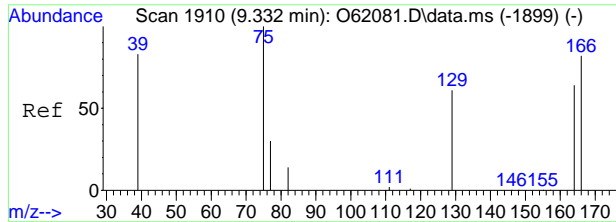
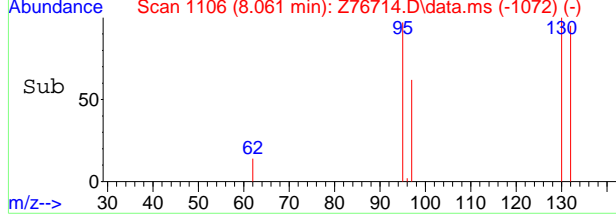
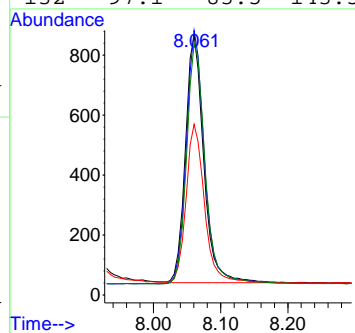
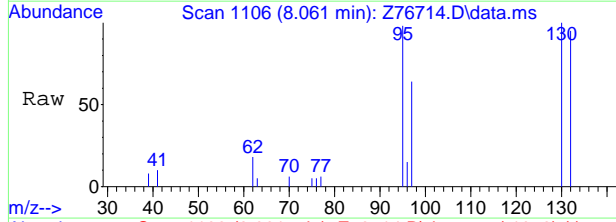
Tgt Ion	Resp	Lower	Upper
117	233		
119	98.6	66.2	126.2
121	48.9	1.2	61.2
82	52.5	0.0	50.8#





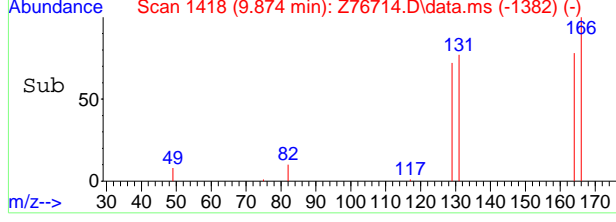
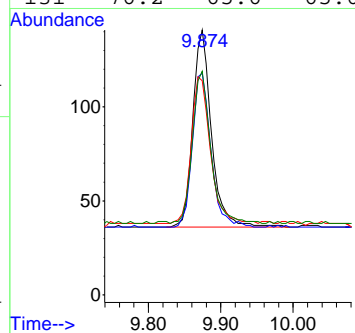
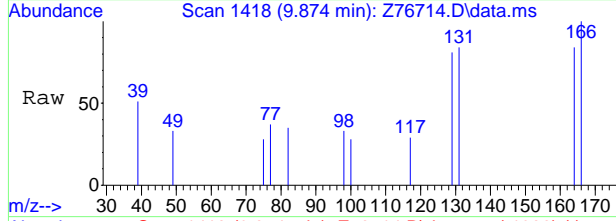
#15
 Trichloroethene
 Concen: 1.00 ug/L
 RT: 8.061 min Scan# 1106
 Delta R.T. -0.000 min
 Lab File: Z76714.D
 Acq: 3 Sep 2024 2:46 pm

Tgt Ion	Resp	Lower	Upper
95	1567		
130	102.4	84.5	144.5
97	64.0	36.4	96.4
132	97.1	83.5	143.5



#21
 Tetrachloroethene
 Concen: 0.11 ug/L
 RT: 9.874 min Scan# 1418
 Delta R.T. 0.000 min
 Lab File: Z76714.D
 Acq: 3 Sep 2024 2:46 pm

Tgt Ion	Resp	Lower	Upper
166	188		
164	78.1	47.5	107.5
129	72.4	34.2	94.2
131	76.2	65.6	65.6#



Manual Integration Approval Summary

Sample Number: FC18325-14 **Method:** SW846 8260D BY SIM
Lab FileID: Z76714.D **Analyst approved:** 09/04/24 07:58 Claudia Sosa
Injection Time: 09/03/24 14:46 **Supervisor approved:** 09/04/24 09:30 Karen Watson

Parameter	CAS	Sig#	R.T. (min.)	Reason
Chloroform	67-66-3		6.88	Poor instrument integration
Carbon Tetrachloride	56-23-5		7.05	Poor instrument integration

7.1.14.1

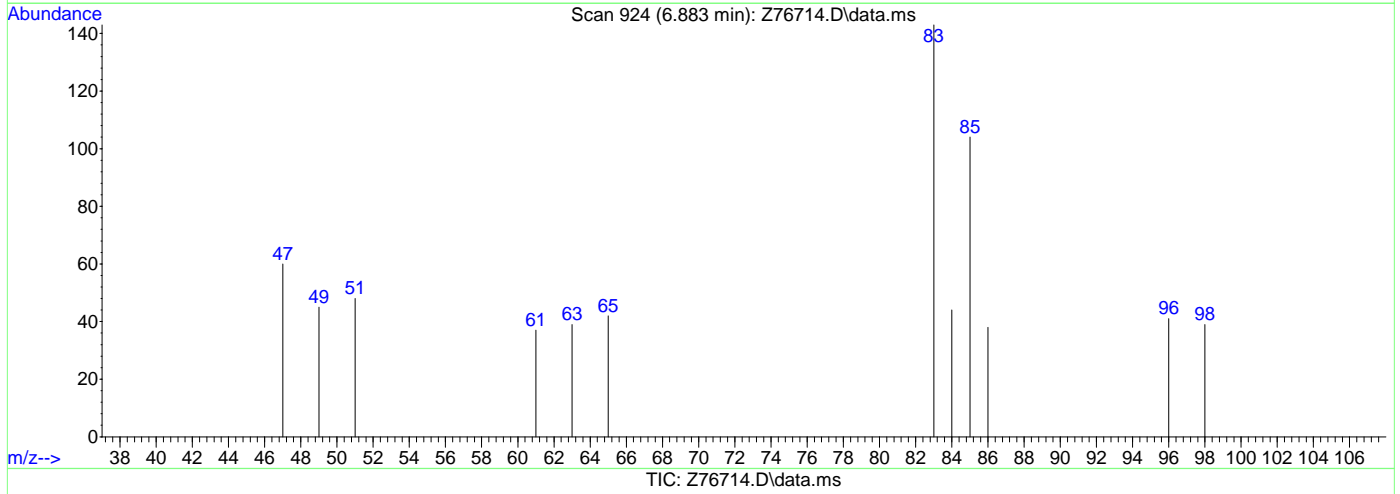
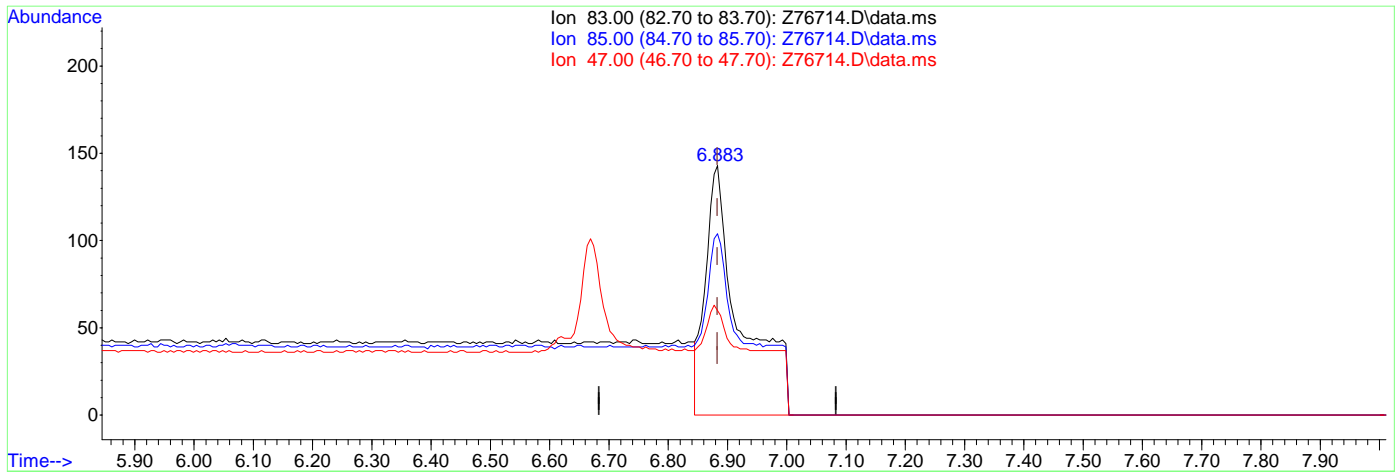
7

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\090324\
Data File : Z76714.D
Acq On : 3 Sep 2024 2:46 pm
Operator : claudias
Sample : FC18325-14
Misc : MS57405,VZ3088,,,,,
ALS Vial : 19 Sample Multiplier: 1

Inst : MSVOA15-Z

Quant Time: Sep 04 06:37:56 2024
Quant Method : C:\msdchem\1\methods\SIMCL-08-28-2024.M
Quant Title : Standard Methods 6200B
QLast Update : Wed Aug 28 11:30:23 2024
Response via : Initial Calibration



(9) Chloroform

6.883min (-0.000) 0.17ug/L

response 595

Ion	Exp%	Act%
83.00	100	100
85.00	65.90	72.73
47.00	21.00	41.96
0.00	0.00	0.00



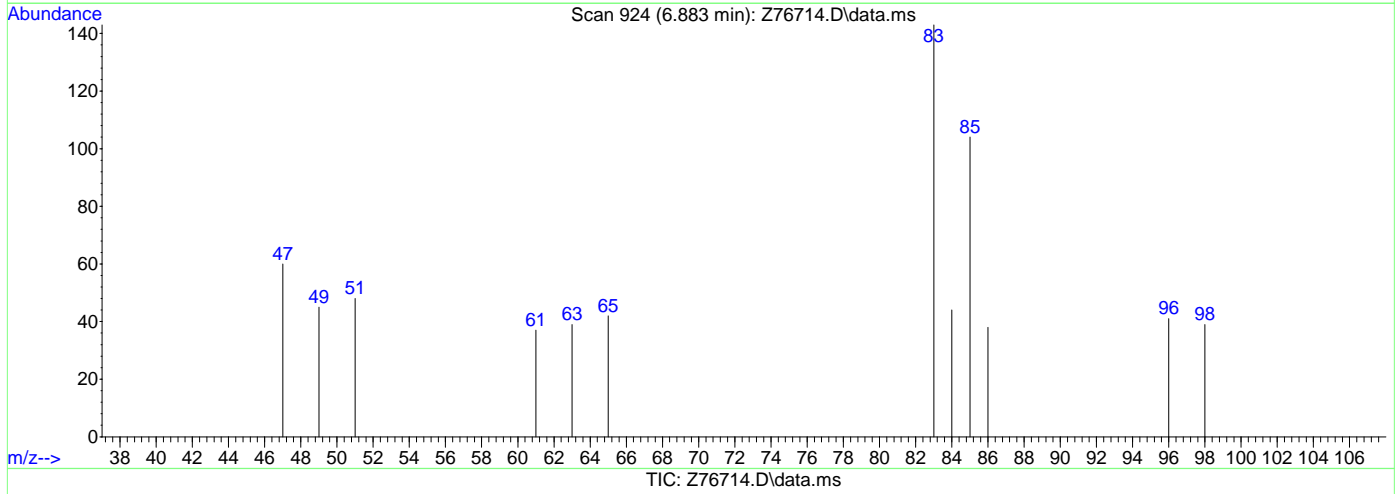
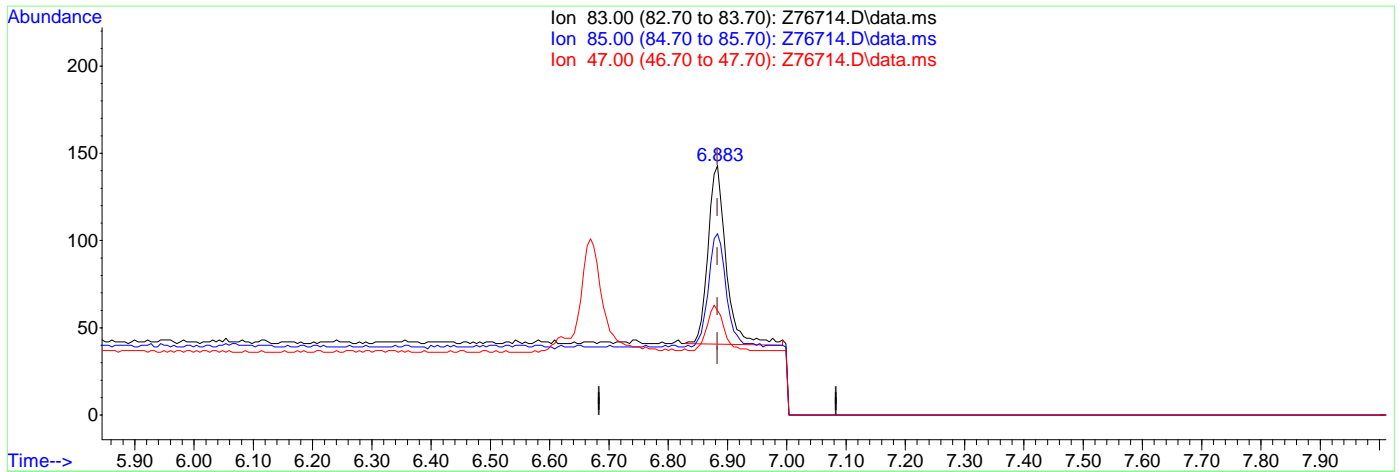
7.1.14.2
7

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\090324\
Data File : Z76714.D
Acq On : 3 Sep 2024 2:46 pm
Operator : claudias
Sample : FC18325-14
Misc : MS57405,VZ3088,,,,,
ALS Vial : 19 Sample Multiplier: 1

Inst : MSVOA15-Z

Quant Time: Sep 04 06:37:56 2024
Quant Method : C:\msdchem\1\methods\SIMCL-08-28-2024.M
Quant Title : Standard Methods 6200B
QLast Update : Wed Aug 28 11:30:23 2024
Response via : Initial Calibration



(9) Chloroform

6.883min (-0.000) 0.06ug/L m

response 218

Ion	Exp%	Act%
83.00	100	100
85.00	65.90	72.73
47.00	21.00	41.96
0.00	0.00	0.00



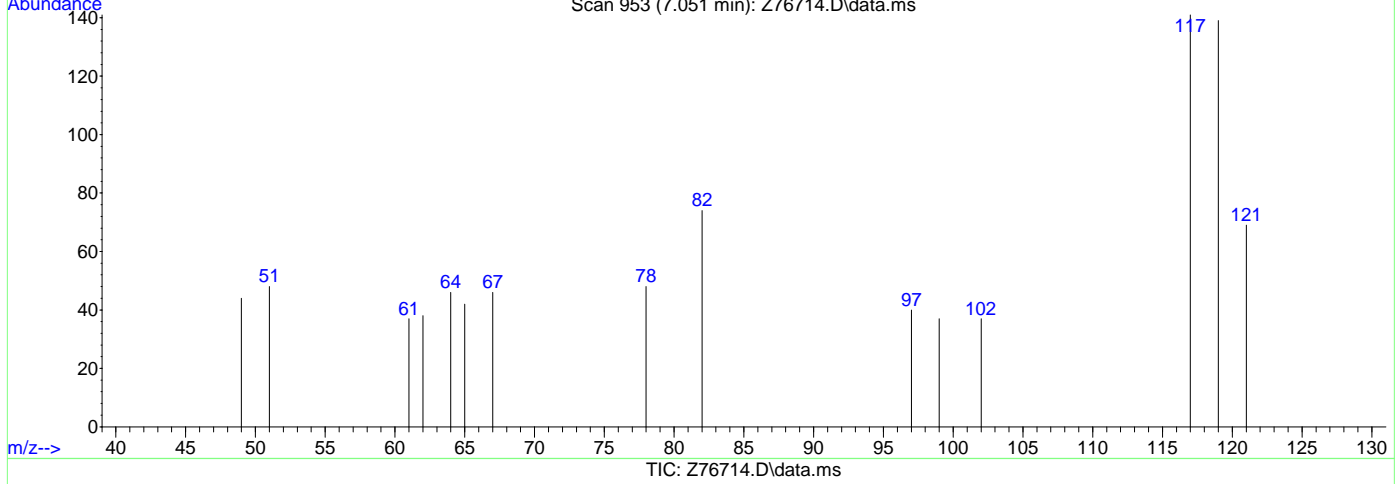
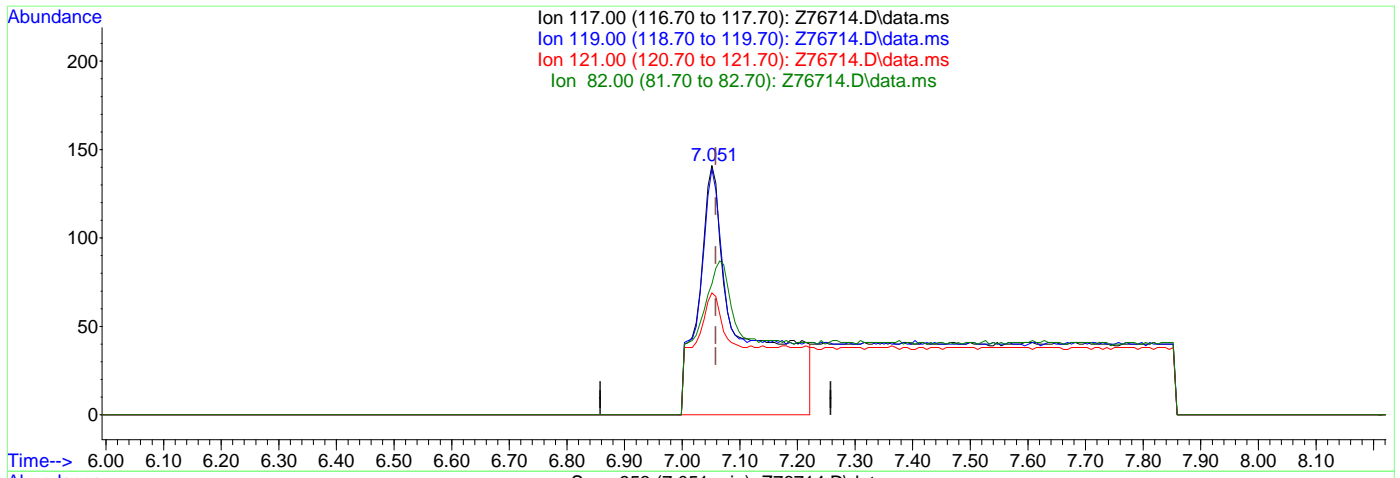
7.1.14.3
7

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\090324\
Data File : Z76714.D
Acq On : 3 Sep 2024 2:46 pm
Operator : claudias
Sample : FC18325-14
Misc : MS57405,VZ3088,,,,,
ALS Vial : 19 Sample Multiplier: 1

Inst : MSVOA15-Z

Quant Time: Sep 04 06:37:56 2024
Quant Method : C:\msdchem\1\methods\SIMCL-08-28-2024.M
Quant Title : Standard Methods 6200B
QLast Update : Wed Aug 28 11:30:23 2024
Response via : Initial Calibration



(10) Carbon Tetrachloride ()

7.051min (-0.007) 0.29ug/L

response 748

Ion	Exp%	Act%
117.00	100	100
119.00	96.20	98.58
121.00	31.20	48.94
82.00	20.80	52.48#



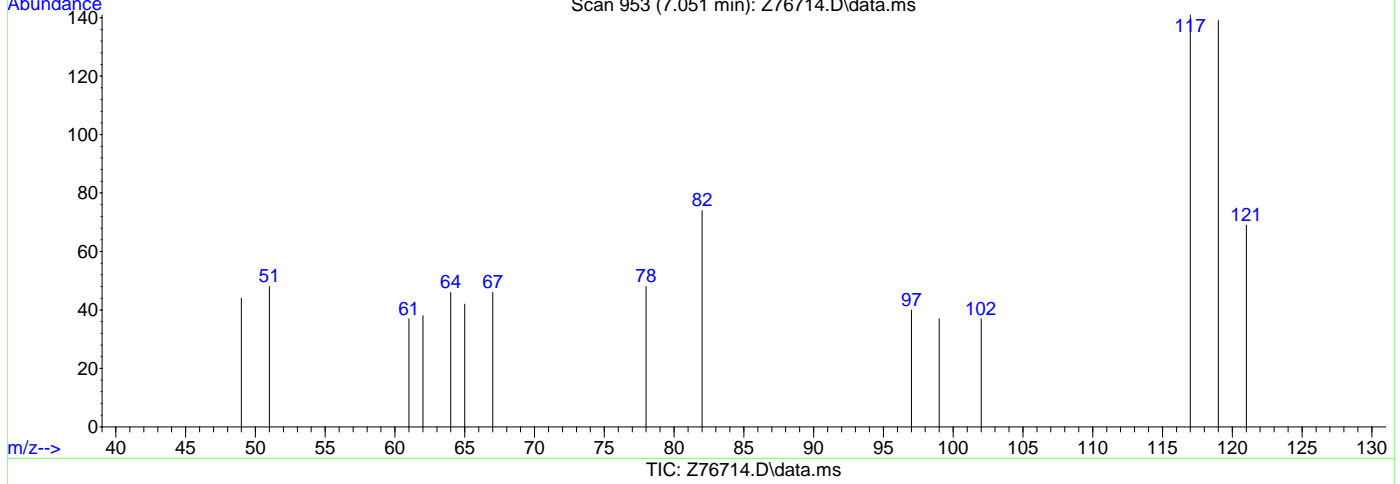
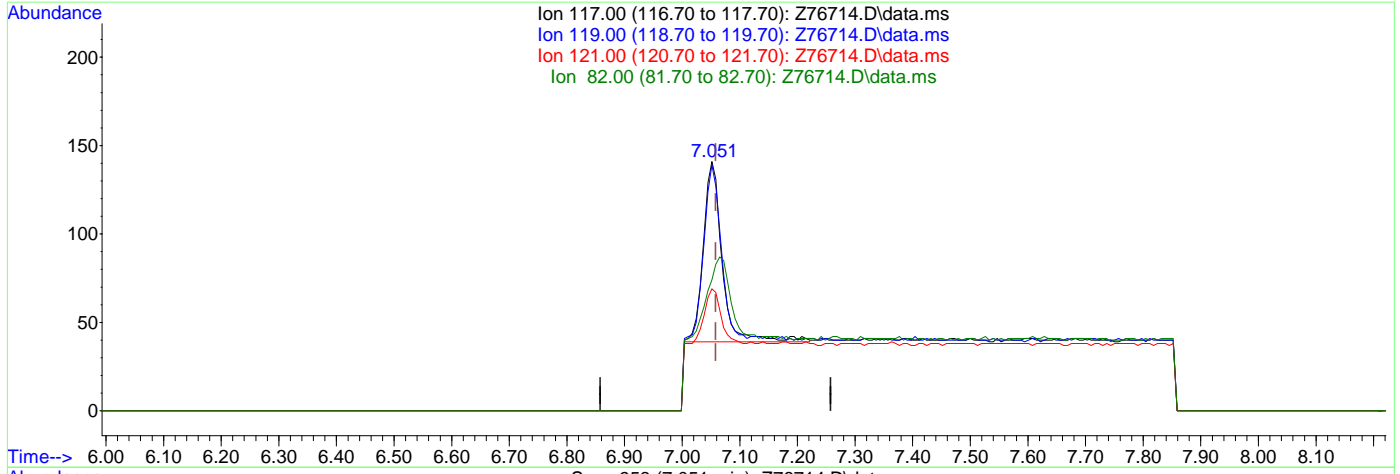
7.1.14.4
7

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\090324\
Data File : Z76714.D
Acq On : 3 Sep 2024 2:46 pm
Operator : claudias
Sample : FC18325-14
Misc : MS57405,VZ3088,,,,,
ALS Vial : 19 Sample Multiplier: 1

Inst : MSVOA15-Z

Quant Time: Sep 04 06:37:56 2024
Quant Method : C:\msdchem\1\methods\SIMCL-08-28-2024.M
Quant Title : Standard Methods 6200B
QLast Update : Wed Aug 28 11:30:23 2024
Response via : Initial Calibration



(10) Carbon Tetrachloride ()

7.051min (-0.007) 0.09ug/L m

response 233

Ion	Exp%	Act%
117.00	100	100
119.00	96.20	98.58
121.00	31.20	48.94
82.00	20.80	52.48#

7.1.14.5
7



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\090324\
Data File : Z76715.D
Acq On : 3 Sep 2024 3:09 pm
Operator : claudias
Sample : FC18325-15 Inst : MSVOA15-Z
Misc : MS57405,VZ3088,,,,,
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Sep 04 06:55:13 2024
Quant Method : C:\msdchem\1\methods\SIMCL-08-28-2024.M
Quant Title : Standard Methods 6200B
QLast Update : Wed Aug 28 11:30:23 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Fluorobenzene	7.894	96	19905	5.00	ug/L	0.00
18) Chlorobenzene-d5	10.980	117	23502	5.00	ug/L	0.00
System Monitoring Compounds						
13) 1,2-Dichloroethane-d4	7.628	65	6813	5.65	ug/L	0.00
Spiked Amount	5.000	Range 74 - 125	Recovery	=	113.00%	
19) Toluene-d8	9.428	98	24828	4.74	ug/L	0.00
Spiked Amount	5.000	Range 88 - 111	Recovery	=	94.80%	
Target Compounds						
5) Methylene Chloride	5.208	49	218	0.07	ug/L	Qvalue 90

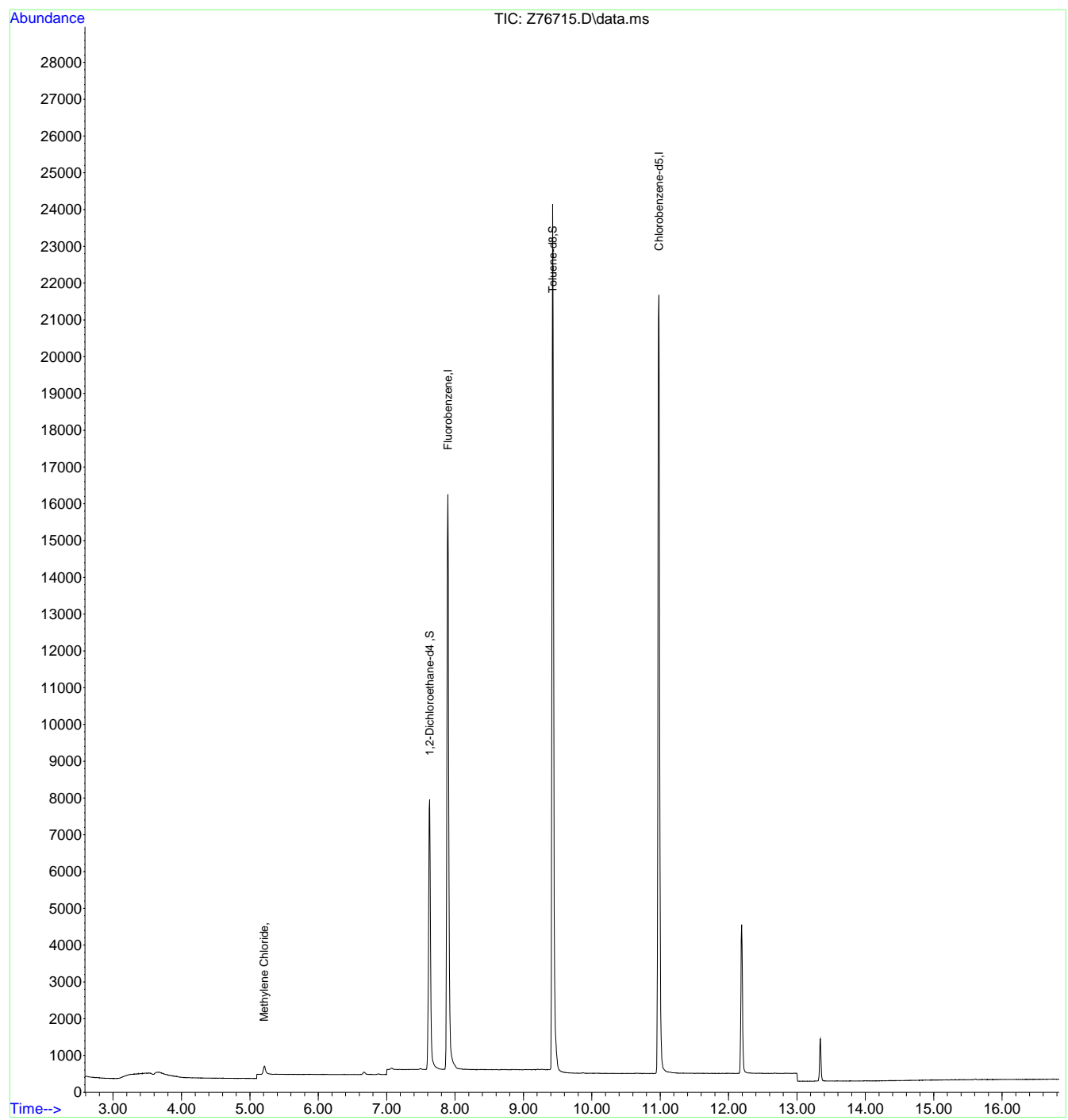
(#) = qualifier out of range (m) = manual integration (+) = signals summed

7.1.15
7

Quantitation Report (QT Reviewed)

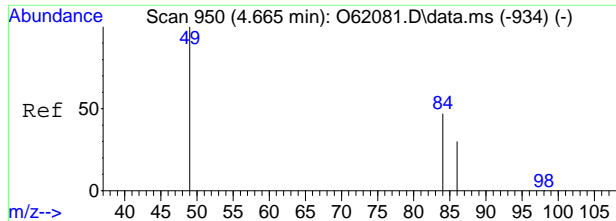
Data Path : C:\msdchem\1\data\090324\
Data File : Z76715.D
Acq On : 3 Sep 2024 3:09 pm
Operator : claudias
Sample : FC18325-15 Inst : MSVOA15-Z
Misc : MS57405,VZ3088,,,,,
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Sep 04 06:55:13 2024
Quant Method : C:\msdchem\1\methods\SIMCL-08-28-2024.M
Quant Title : Standard Methods 6200B
QLast Update : Wed Aug 28 11:30:23 2024
Response via : Initial Calibration



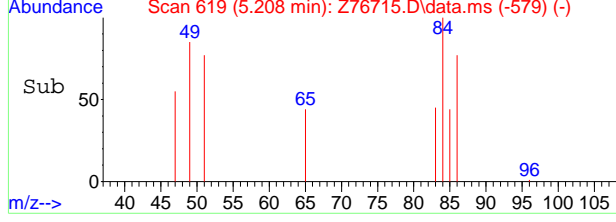
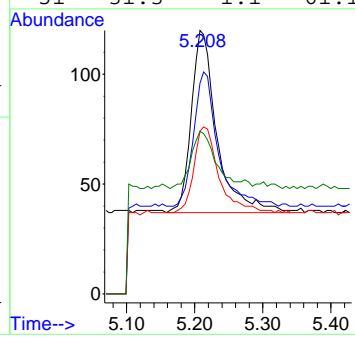
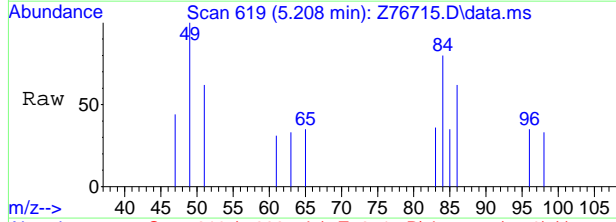
7.1.15
7





#5
 Methylene Chloride
 Concen: 0.07 ug/L
 RT: 5.208 min Scan# 619
 Delta R.T. -0.005 min
 Lab File: Z76715.D
 Acq: 3 Sep 2024 3:09 pm

Tgt Ion	Ratio	Lower	Upper
49	100		
84	67.5	49.7	109.7
86	44.6	22.0	82.0
51	31.3	1.1	61.1



7.1.15
7



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\090324\
Data File : Z76716.D
Acq On : 3 Sep 2024 3:32 pm
Operator : claudias
Sample : FC18325-16 Inst : MSVOA15-Z
Misc : MS57405,VZ3088,,,,,
ALS Vial : 21 Sample Multiplier: 1

Quant Time: Sep 04 06:56:07 2024
Quant Method : C:\msdchem\1\methods\SIMCL-08-28-2024.M
Quant Title : Standard Methods 6200B
QLast Update : Wed Aug 28 11:30:23 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	

Internal Standards							
1) Fluorobenzene	7.894	96	19373	5.00	ug/L	0.00	
18) Chlorobenzene-d5	10.980	117	23288	5.00	ug/L	0.00	
System Monitoring Compounds							
13) 1,2-Dichloroethane-d4	7.621	65	6836	5.82	ug/L	0.00	
Spiked Amount	5.000	Range	74 - 125	Recovery	=	116.40%	
19) Toluene-d8	9.428	98	24537	4.72	ug/L	0.00	
Spiked Amount	5.000	Range	88 - 111	Recovery	=	94.40%	
Target Compounds							
5) Methylene Chloride	5.208	49	278	0.09	ug/L		Qvalue 89
8) cis-1,2-Dichloroethene	6.625	96	363	0.19	ug/L		93
9) Chloroform	6.883	83	395m	0.11	ug/L		
10) Carbon Tetrachloride	7.051	117	416m	0.16	ug/L		
15) Trichloroethene	8.060	95	1881	1.22	ug/L		89
21) Tetrachloroethene	9.874	166	305	0.17	ug/L #		90

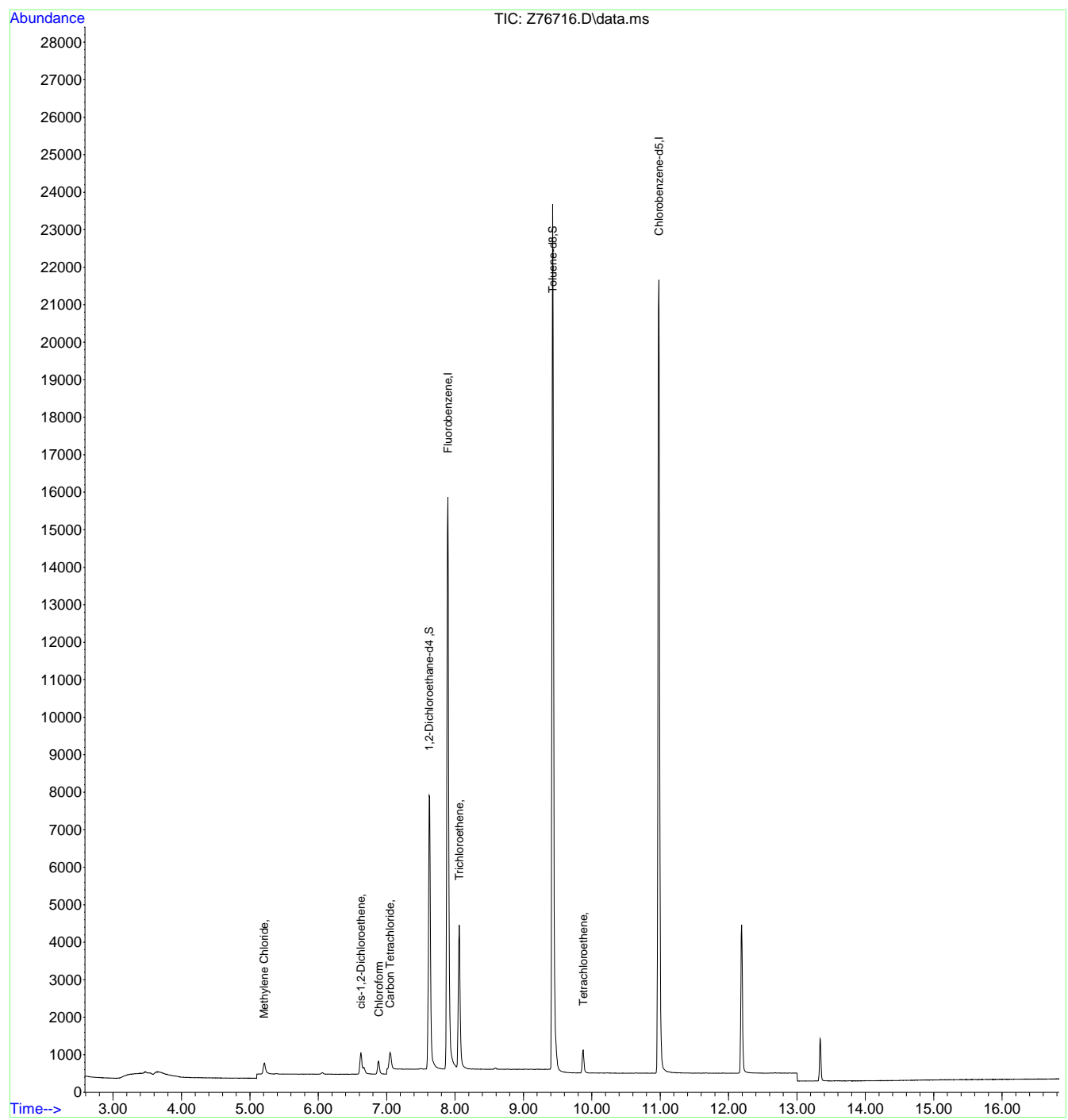
(#) = qualifier out of range (m) = manual integration (+) = signals summed

7.1.16
7

Quantitation Report (QT Reviewed)

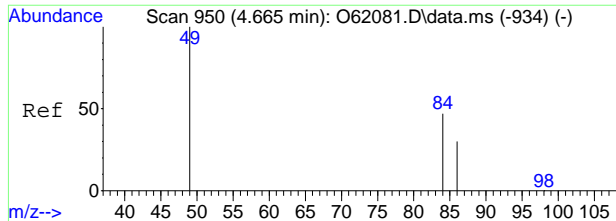
Data Path : C:\msdchem\1\data\090324\
Data File : Z76716.D
Acq On : 3 Sep 2024 3:32 pm
Operator : claudias
Sample : FC18325-16 Inst : MSVOA15-Z
Misc : MS57405,VZ3088,,,,,
ALS Vial : 21 Sample Multiplier: 1

Quant Time: Sep 04 06:56:07 2024
Quant Method : C:\msdchem\1\methods\SIMCL-08-28-2024.M
Quant Title : Standard Methods 6200B
QLast Update : Wed Aug 28 11:30:23 2024
Response via : Initial Calibration



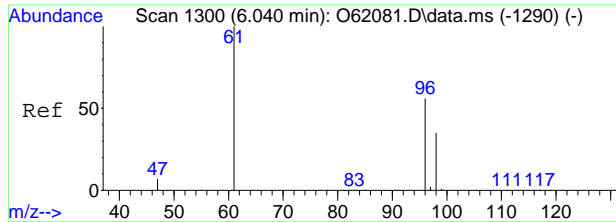
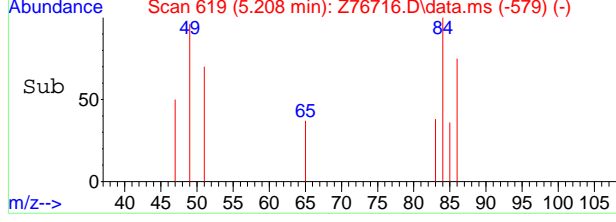
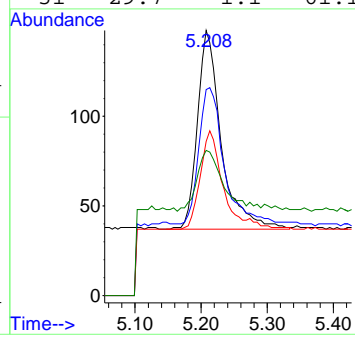
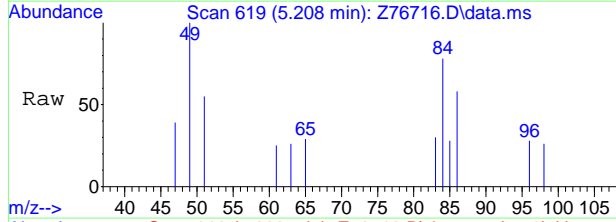
7.1.16
7





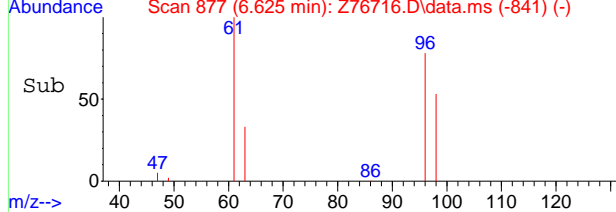
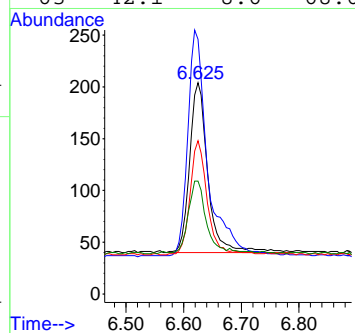
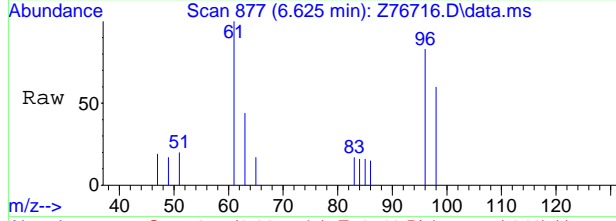
#5
 Methylene Chloride
 Concen: 0.09 ug/L
 RT: 5.208 min Scan# 619
 Delta R.T. -0.005 min
 Lab File: Z76716.D
 Acq: 3 Sep 2024 3:32 pm

Tgt Ion	Ratio	Lower	Upper
49	100		
84	66.7	49.7	109.7
86	44.1	22.0	82.0
51	29.7	1.1	61.1



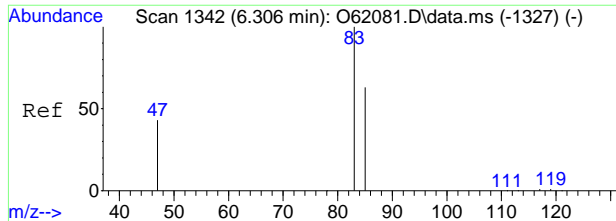
#8
 cis-1,2-Dichloroethene
 Concen: 0.19 ug/L
 RT: 6.625 min Scan# 877
 Delta R.T. -0.000 min
 Lab File: Z76716.D
 Acq: 3 Sep 2024 3:32 pm

Tgt Ion	Ratio	Lower	Upper
96	100		
61	127.4	87.8	147.8
98	67.1	34.4	94.4
63	42.1	8.6	68.6



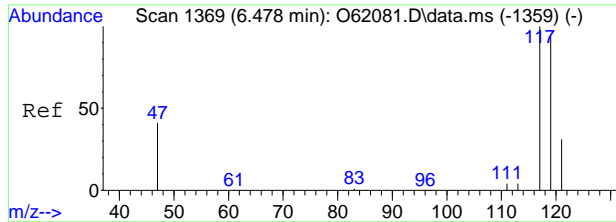
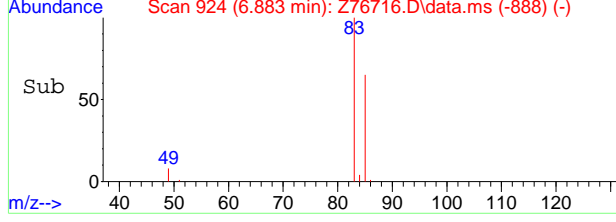
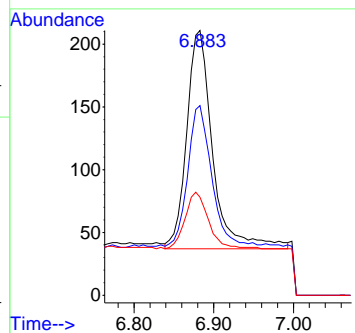
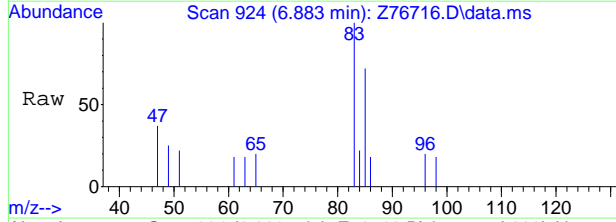
7.1.16
7





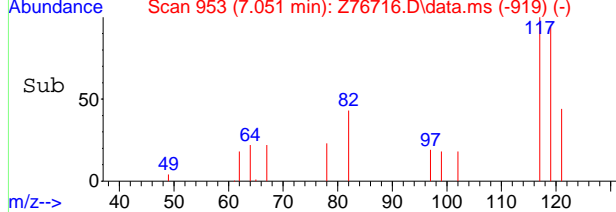
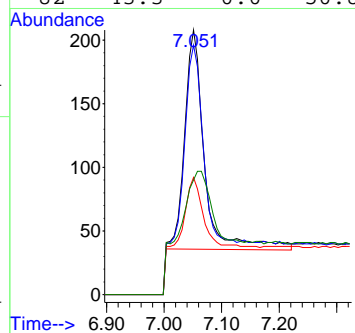
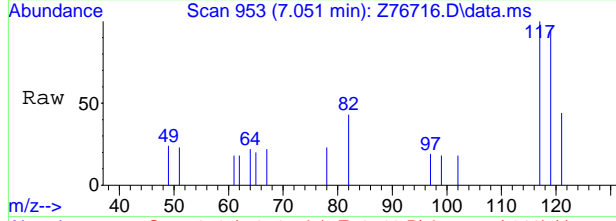
#9
 Chloroform
 Concen: 0.11 ug/L m
 RT: 6.883 min Scan# 924
 Delta R.T. -0.000 min
 Lab File: Z76716.D
 Acq: 3 Sep 2024 3:32 pm

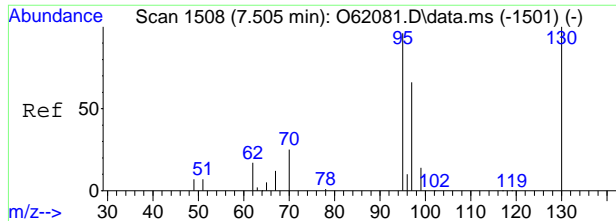
Tgt Ion	Resp	Lower	Upper
83	395		
85	71.6	35.9	95.9
47	37.0	0.0	51.0



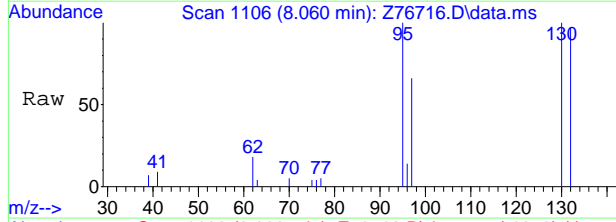
#10
 Carbon Tetrachloride
 Concen: 0.16 ug/L m
 RT: 7.051 min Scan# 953
 Delta R.T. -0.007 min
 Lab File: Z76716.D
 Acq: 3 Sep 2024 3:32 pm

Tgt Ion	Resp	Lower	Upper
117	416		
119	94.2	66.2	126.2
121	44.2	1.2	61.2
82	43.3	0.0	50.8



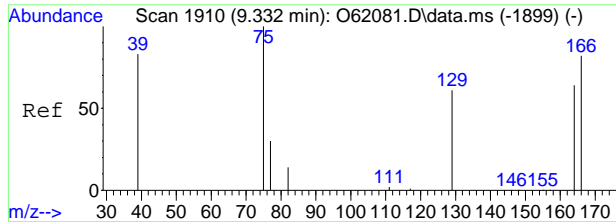
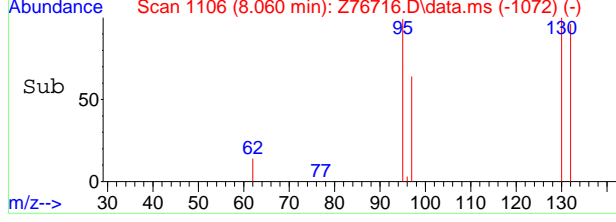
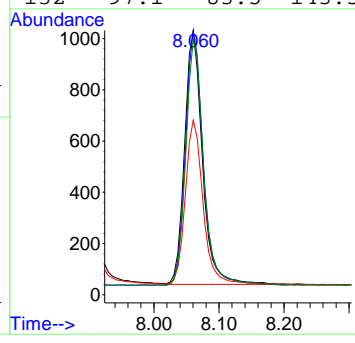


#15
 Trichloroethene
 Concen: 1.22 ug/L
 RT: 8.060 min Scan# 1106
 Delta R.T. -0.001 min
 Lab File: Z76716.D
 Acq: 3 Sep 2024 3:32 pm

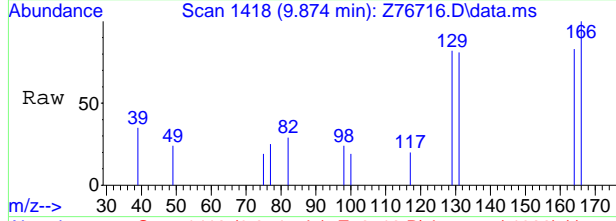


Tgt Ion: 95 Resp: 1881

Ion	Ratio	Lower	Upper
95	100		
130	100.6	84.5	144.5
97	64.8	36.4	96.4
132	97.1	83.5	143.5

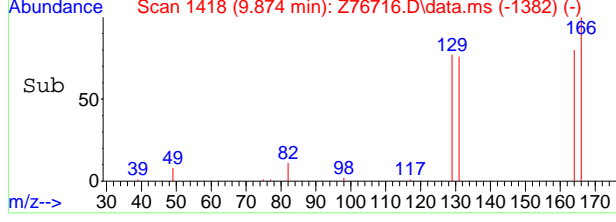
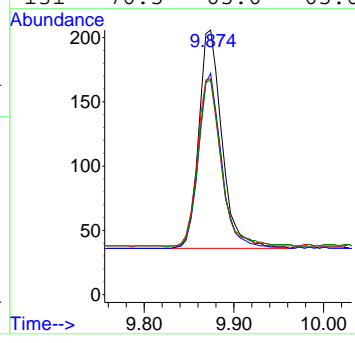


#21
 Tetrachloroethene
 Concen: 0.17 ug/L
 RT: 9.874 min Scan# 1418
 Delta R.T. 0.000 min
 Lab File: Z76716.D
 Acq: 3 Sep 2024 3:32 pm



Tgt Ion: 166 Resp: 305

Ion	Ratio	Lower	Upper
166	100		
164	80.0	47.5	107.5
129	76.5	34.2	94.2
131	76.5	65.6	65.6#



7.1.16
7



Manual Integration Approval Summary

Sample Number: FC18325-16 **Method:** SW846 8260D BY SIM
Lab FileID: Z76716.D **Analyst approved:** 09/04/24 07:58 Claudia Sosa
Injection Time: 09/03/24 15:32 **Supervisor approved:** 09/04/24 09:30 Karen Watson

Parameter	CAS	Sig#	R.T. (min.)	Reason
Chloroform	67-66-3		6.88	Poor instrument integration
Carbon Tetrachloride	56-23-5		7.05	Poor instrument integration

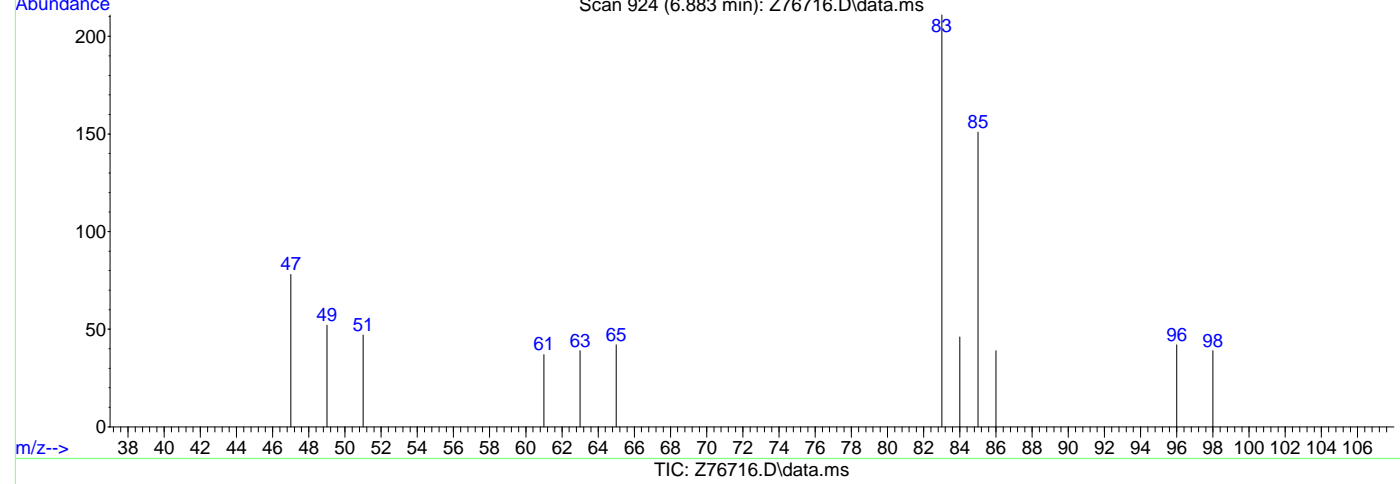
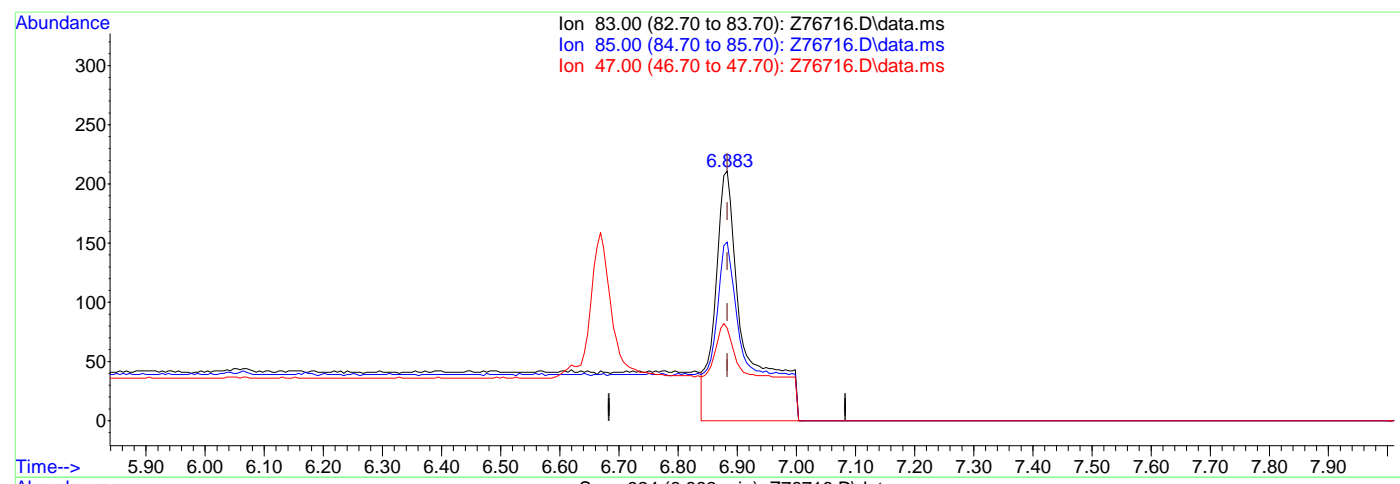
7.1.16.1

7

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\090324\
Data File : Z76716.D
Acq On : 3 Sep 2024 3:32 pm
Operator : claudias
Sample : FC18325-16
Misc : MS57405,VZ3088,,,,,
ALS Vial : 21 Sample Multiplier: 1
Inst : MSVOA15-Z

Quant Time: Sep 04 06:38:00 2024
Quant Method : C:\msdchem\1\methods\SIMCL-08-28-2024.M
Quant Title : Standard Methods 6200B
QLast Update : Wed Aug 28 11:30:23 2024
Response via : Initial Calibration



(9) Chloroform

6.883min (-0.000) 0.22ug/L

response 756

Ion	Exp%	Act%
83.00	100	100
85.00	65.90	71.56
47.00	21.00	36.97
0.00	0.00	0.00



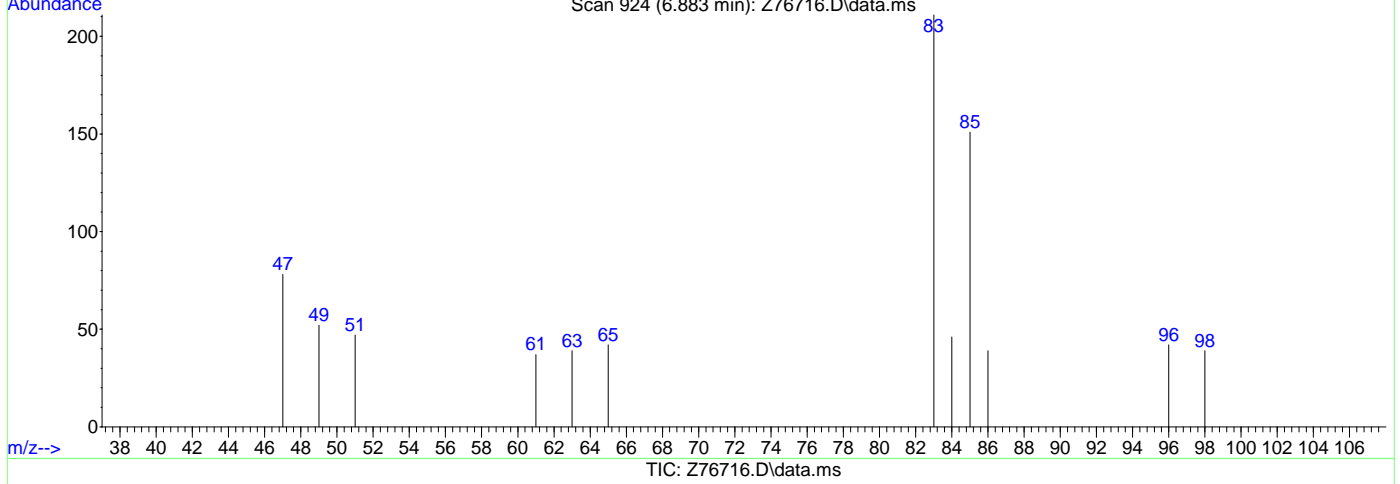
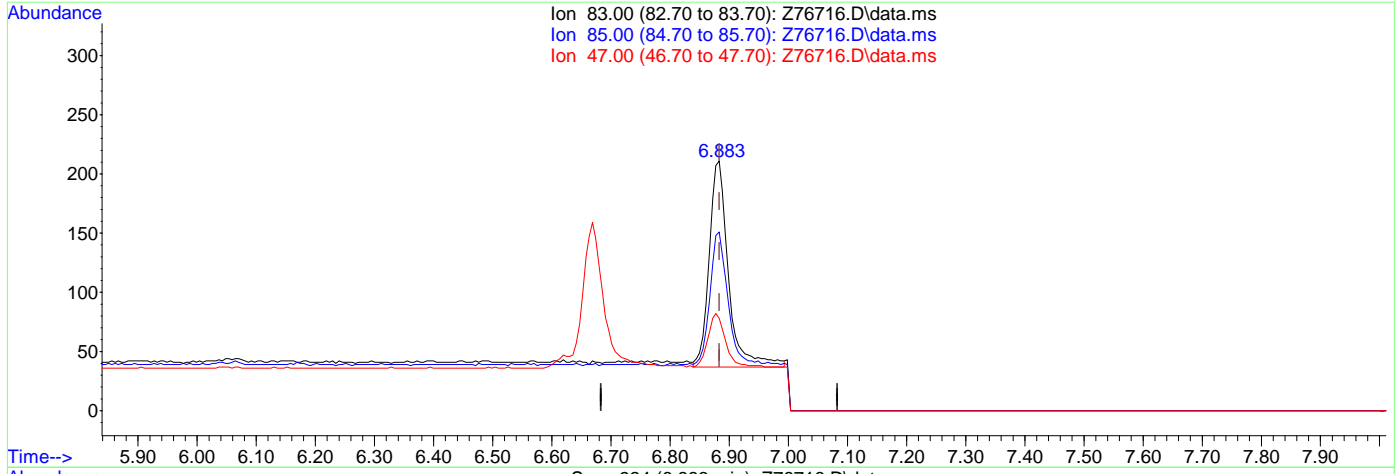
7.1.16.2
7

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\090324\
Data File : Z76716.D
Acq On : 3 Sep 2024 3:32 pm
Operator : claudias
Sample : FC18325-16
Misc : MS57405,VZ3088,,,,,
ALS Vial : 21 Sample Multiplier: 1

Inst : MSVOA15-Z

Quant Time: Sep 04 06:38:00 2024
Quant Method : C:\msdchem\1\methods\SIMCL-08-28-2024.M
Quant Title : Standard Methods 6200B
QLast Update : Wed Aug 28 11:30:23 2024
Response via : Initial Calibration



(9) Chloroform

6.883min (-0.000) 0.11ug/L m

response 395

Ion	Exp%	Act%
83.00	100	100
85.00	65.90	71.56
47.00	21.00	36.97
0.00	0.00	0.00



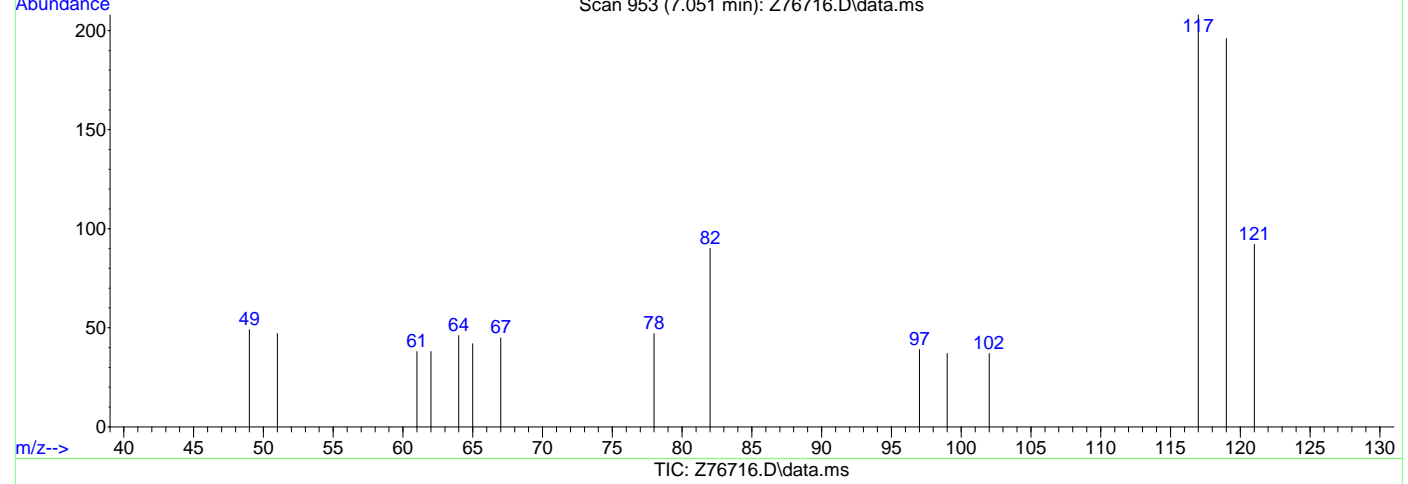
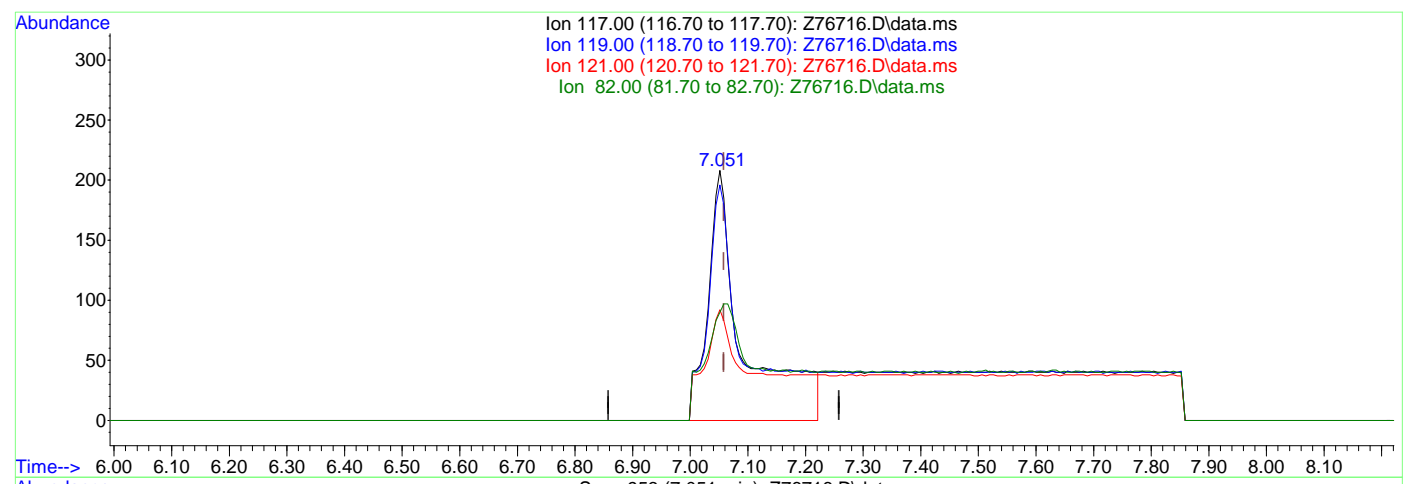
7.1.16.3
7

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\090324\
Data File : Z76716.D
Acq On : 3 Sep 2024 3:32 pm
Operator : claudias
Sample : FC18325-16
Misc : MS57405,VZ3088,,,,,
ALS Vial : 21 Sample Multiplier: 1

Inst : MSVOA15-Z

Quant Time: Sep 04 06:38:00 2024
Quant Method : C:\msdchem\1\methods\SIMCL-08-28-2024.M
Quant Title : Standard Methods 6200B
QLast Update : Wed Aug 28 11:30:23 2024
Response via : Initial Calibration



(10) Carbon Tetrachloride ()

7.051min (-0.007) 0.34ug/L

response 885

Ion	Exp%	Act%
117.00	100	100
119.00	96.20	94.23
121.00	31.20	44.23
82.00	20.80	43.27



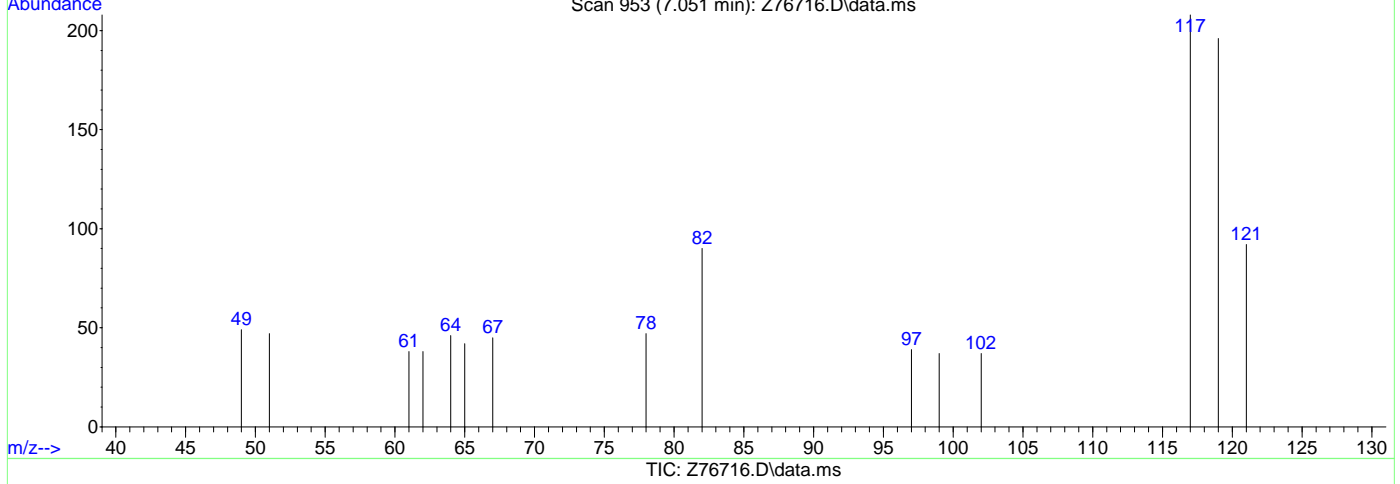
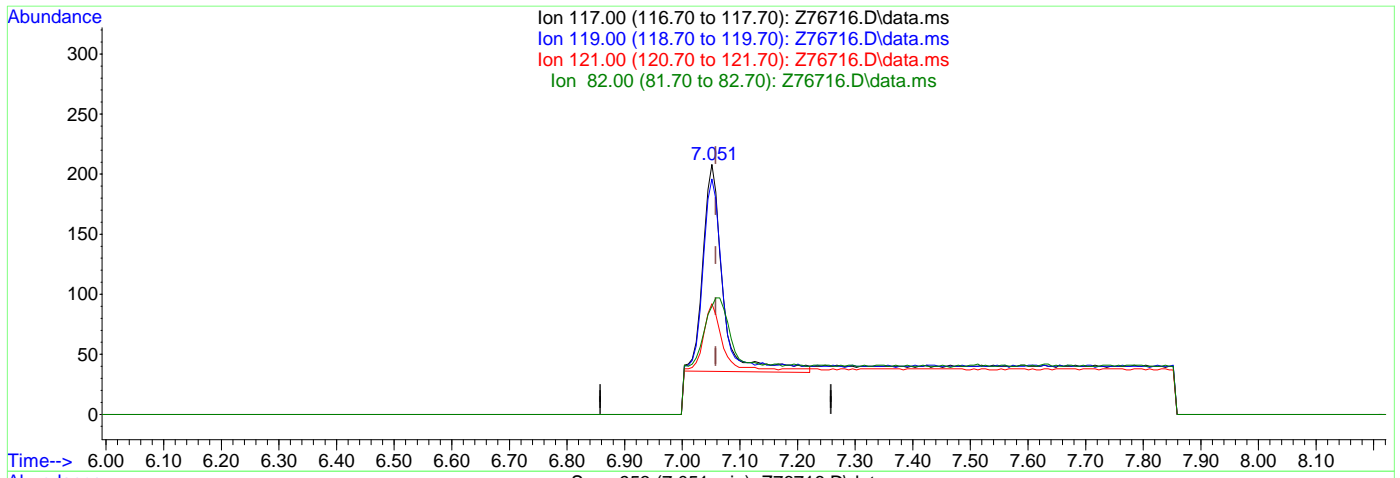
7.1.16.4
7

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\090324\
Data File : Z76716.D
Acq On : 3 Sep 2024 3:32 pm
Operator : claudias
Sample : FC18325-16
Misc : MS57405,VZ3088,,,,,
ALS Vial : 21 Sample Multiplier: 1

Inst : MSVOA15-Z

Quant Time: Sep 04 06:38:00 2024
Quant Method : C:\msdchem\1\methods\SIMCL-08-28-2024.M
Quant Title : Standard Methods 6200B
QLast Update : Wed Aug 28 11:30:23 2024
Response via : Initial Calibration



(10) Carbon Tetrachloride ()

7.051min (-0.007) 0.16ug/L m

response 416

Ion	Exp%	Act%
117.00	100	100
119.00	96.20	94.23
121.00	31.20	44.23
82.00	20.80	43.27



7.1.16.5
7

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\090324\
Data File : Z76717.D
Acq On : 3 Sep 2024 3:55 pm
Operator : claudias
Sample : FC18325-17 Inst : MSVOA15-Z
Misc : MS57405,VZ3088,,,,,
ALS Vial : 22 Sample Multiplier: 1

Quant Time: Sep 04 06:57:38 2024
Quant Method : C:\msdchem\1\methods\SIMCL-08-28-2024.M
Quant Title : Standard Methods 6200B
QLast Update : Wed Aug 28 11:30:23 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	

Internal Standards							
1) Fluorobenzene	7.895	96	19207	5.00	ug/L	0.00	
18) Chlorobenzene-d5	10.980	117	22909	5.00	ug/L	0.00	
System Monitoring Compounds							
13) 1,2-Dichloroethane-d4	7.628	65	6653	5.72	ug/L	0.00	
Spiked Amount	5.000	Range	74 - 125	Recovery	=	114.40%	
19) Toluene-d8	9.428	98	24191	4.74	ug/L	0.00	
Spiked Amount	5.000	Range	88 - 111	Recovery	=	94.80%	
Target Compounds							
5) Methylene Chloride	5.213	49	264	0.09	ug/L		97
8) cis-1,2-Dichloroethene	6.625	96	343	0.18	ug/L		93
9) Chloroform	6.883	83	397m	0.12	ug/L		
10) Carbon Tetrachloride	7.051	117	363m	0.14	ug/L		
15) Trichloroethene	8.061	95	1884	1.23	ug/L		89
21) Tetrachloroethene	9.874	166	313	0.18	ug/L #		91

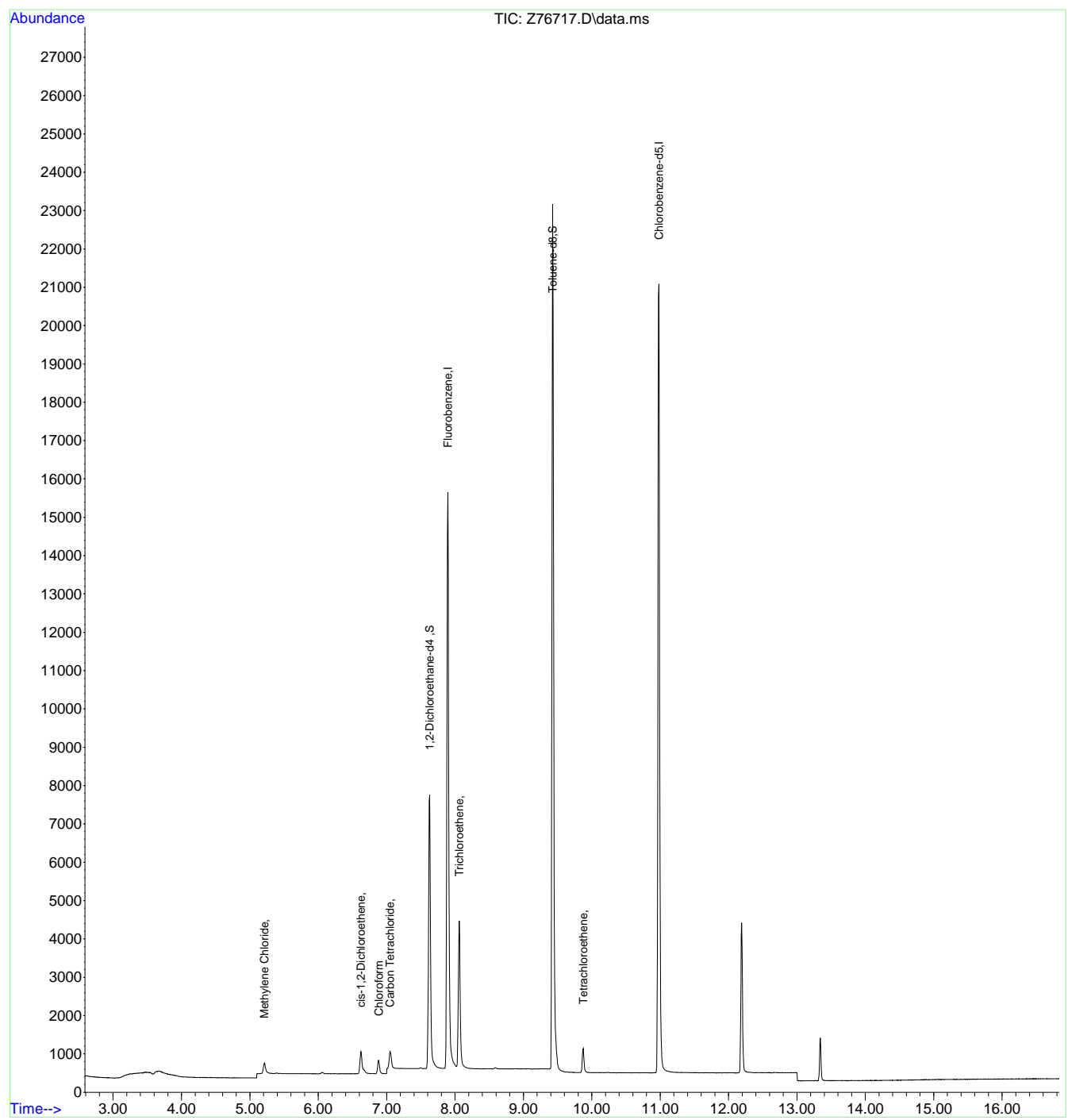
(#) = qualifier out of range (m) = manual integration (+) = signals summed

7.1.17
7

Quantitation Report (QT Reviewed)

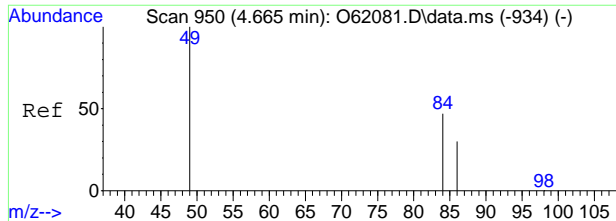
Data Path : C:\msdchem\1\data\090324\
Data File : Z76717.D
Acq On : 3 Sep 2024 3:55 pm
Operator : claudias
Sample : FC18325-17 Inst : MSVOA15-Z
Misc : MS57405,VZ3088,,,,,
ALS Vial : 22 Sample Multiplier: 1

Quant Time: Sep 04 06:57:38 2024
Quant Method : C:\msdchem\1\methods\SIMCL-08-28-2024.M
Quant Title : Standard Methods 6200B
QLast Update : Wed Aug 28 11:30:23 2024
Response via : Initial Calibration



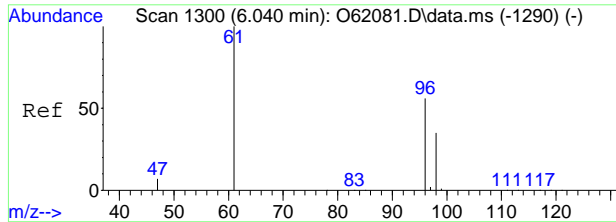
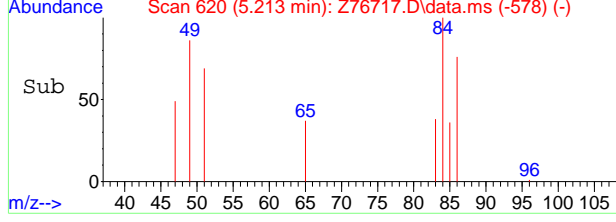
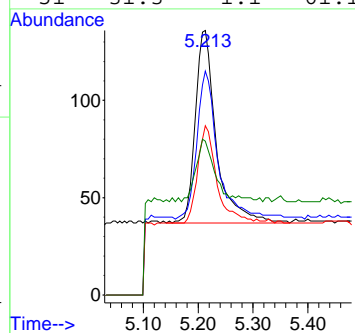
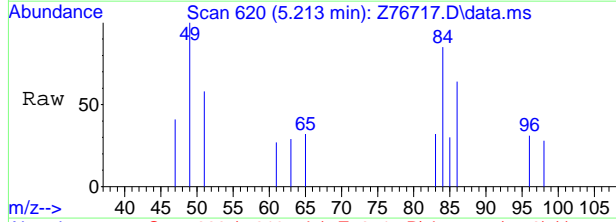
7.1.17
7





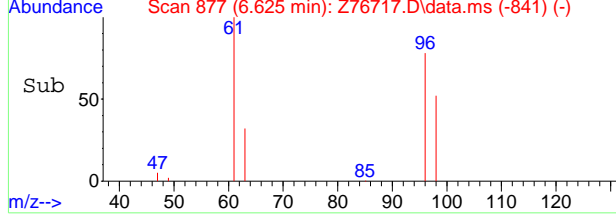
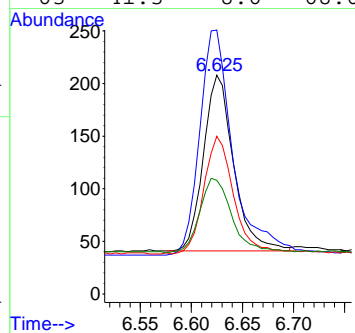
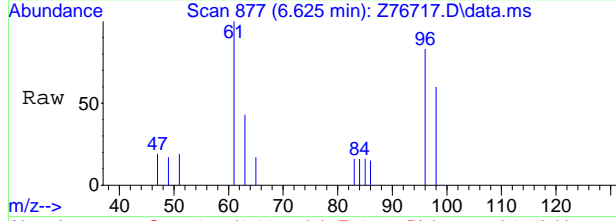
#5
 Methylene Chloride
 Concen: 0.09 ug/L
 RT: 5.213 min Scan# 620
 Delta R.T. 0.000 min
 Lab File: Z76717.D
 Acq: 3 Sep 2024 3:55 pm

Tgt Ion	Ratio	Lower	Upper
49	100		
84	75.8	49.7	109.7
86	50.5	22.0	82.0
51	31.3	1.1	61.1

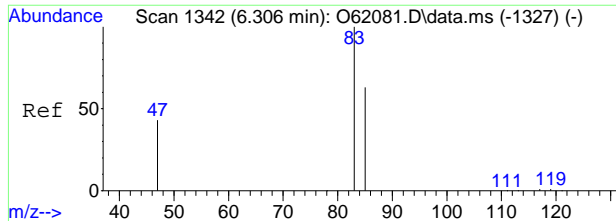


#8
 cis-1,2-Dichloroethene
 Concen: 0.18 ug/L
 RT: 6.625 min Scan# 877
 Delta R.T. -0.000 min
 Lab File: Z76717.D
 Acq: 3 Sep 2024 3:55 pm

Tgt Ion	Ratio	Lower	Upper
96	100		
61	128.1	87.8	147.8
98	66.5	34.4	94.4
63	41.3	8.6	68.6

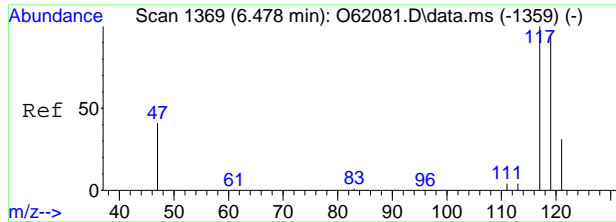
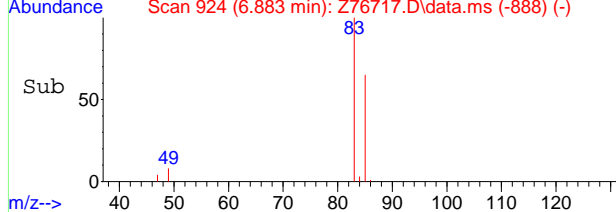
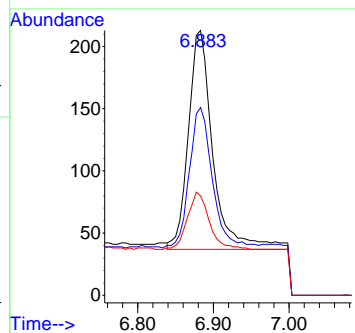
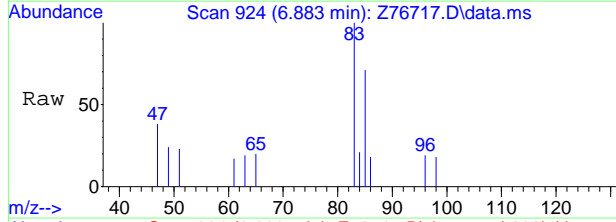


7.1.17
7



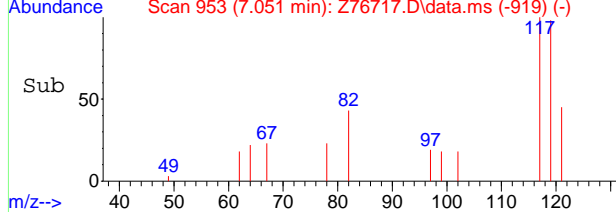
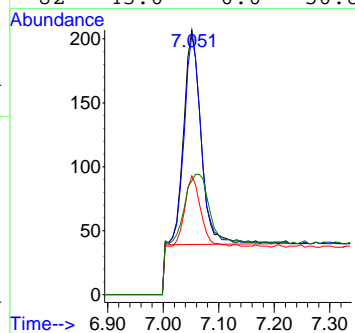
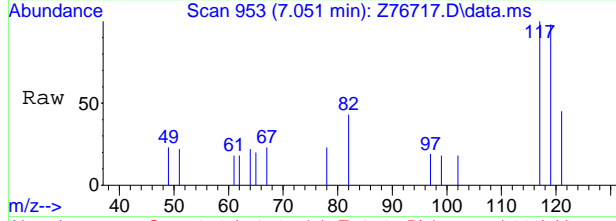
#9
 Chloroform
 Concen: 0.12 ug/L m
 RT: 6.883 min Scan# 924
 Delta R.T. -0.000 min
 Lab File: Z76717.D
 Acq: 3 Sep 2024 3:55 pm

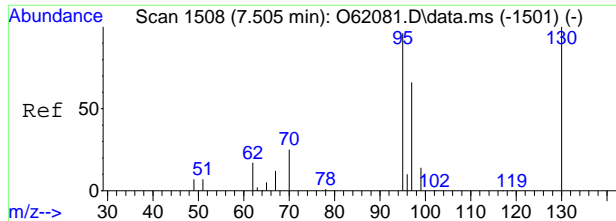
Tgt Ion	Resp	Lower	Upper
83	397		
85	70.9	35.9	95.9
47	37.6	0.0	51.0



#10
 Carbon Tetrachloride
 Concen: 0.14 ug/L m
 RT: 7.051 min Scan# 953
 Delta R.T. -0.007 min
 Lab File: Z76717.D
 Acq: 3 Sep 2024 3:55 pm

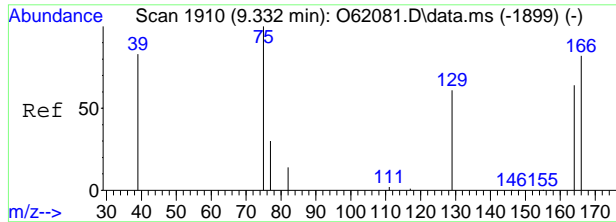
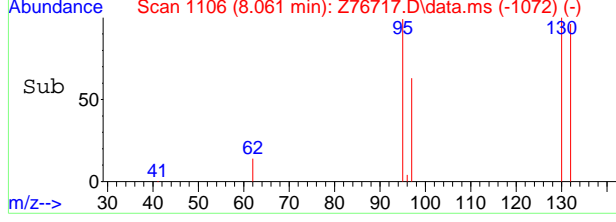
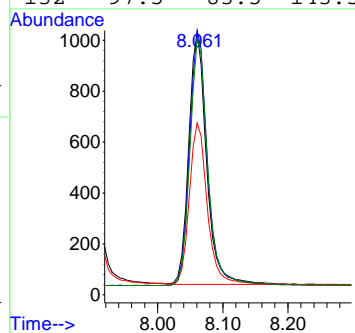
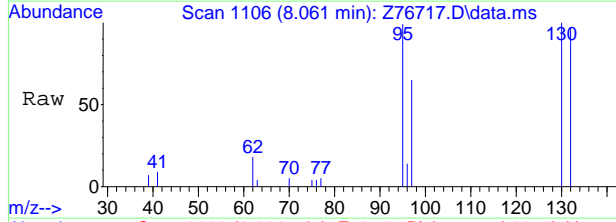
Tgt Ion	Resp	Lower	Upper
117	363		
119	98.1	66.2	126.2
121	44.9	1.2	61.2
82	43.0	0.0	50.8





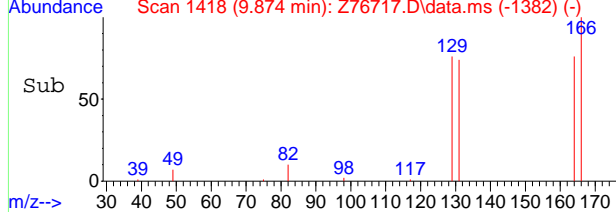
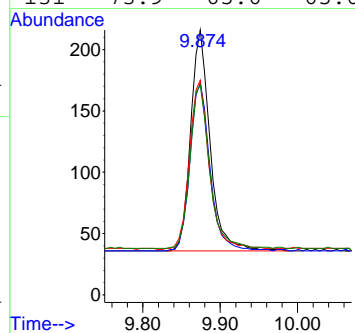
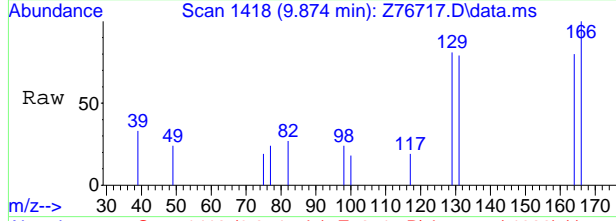
#15
 Trichloroethene
 Concen: 1.23 ug/L
 RT: 8.061 min Scan# 1106
 Delta R.T. -0.000 min
 Lab File: Z76717.D
 Acq: 3 Sep 2024 3:55 pm

Tgt Ion	Resp	Lower	Upper
95	1884		
130	101.1	84.5	144.5
97	64.0	36.4	96.4
132	97.5	83.5	143.5



#21
 Tetrachloroethene
 Concen: 0.18 ug/L
 RT: 9.874 min Scan# 1418
 Delta R.T. 0.000 min
 Lab File: Z76717.D
 Acq: 3 Sep 2024 3:55 pm

Tgt Ion	Resp	Lower	Upper
166	313		
164	76.1	47.5	107.5
129	76.1	34.2	94.2
131	73.9	65.6	65.6#



Manual Integration Approval Summary

Sample Number: FC18325-17 **Method:** SW846 8260D BY SIM
Lab FileID: Z76717.D **Analyst approved:** 09/04/24 07:58 Claudia Sosa
Injection Time: 09/03/24 15:55 **Supervisor approved:** 09/04/24 09:30 Karen Watson

Parameter	CAS	Sig#	R.T. (min.)	Reason
Chloroform	67-66-3		6.88	Poor instrument integration
Carbon Tetrachloride	56-23-5		7.05	Poor instrument integration

7.1.17.1

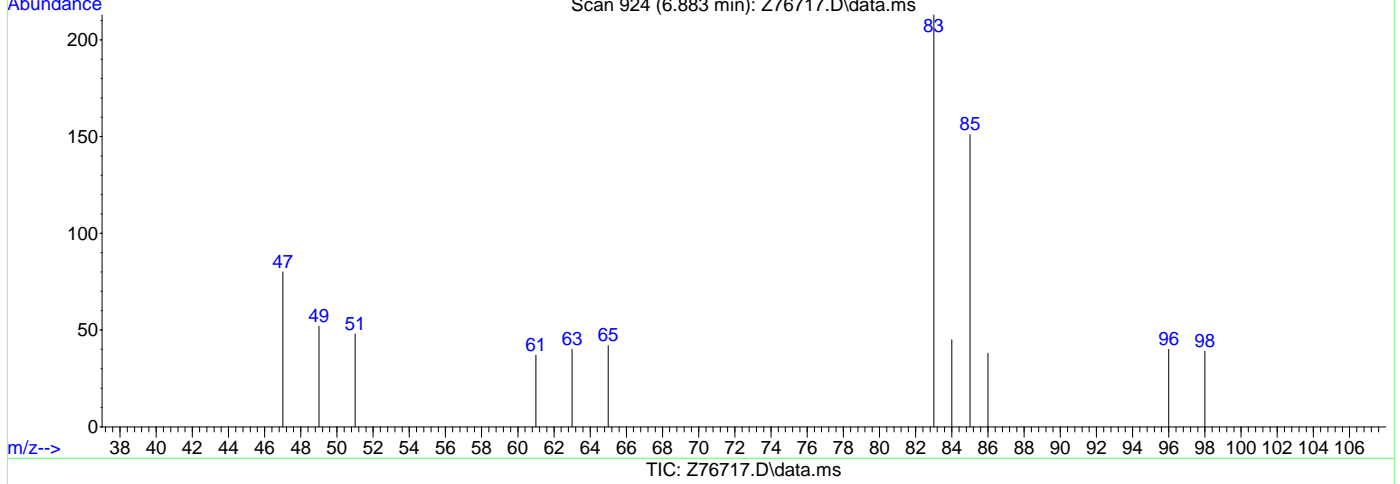
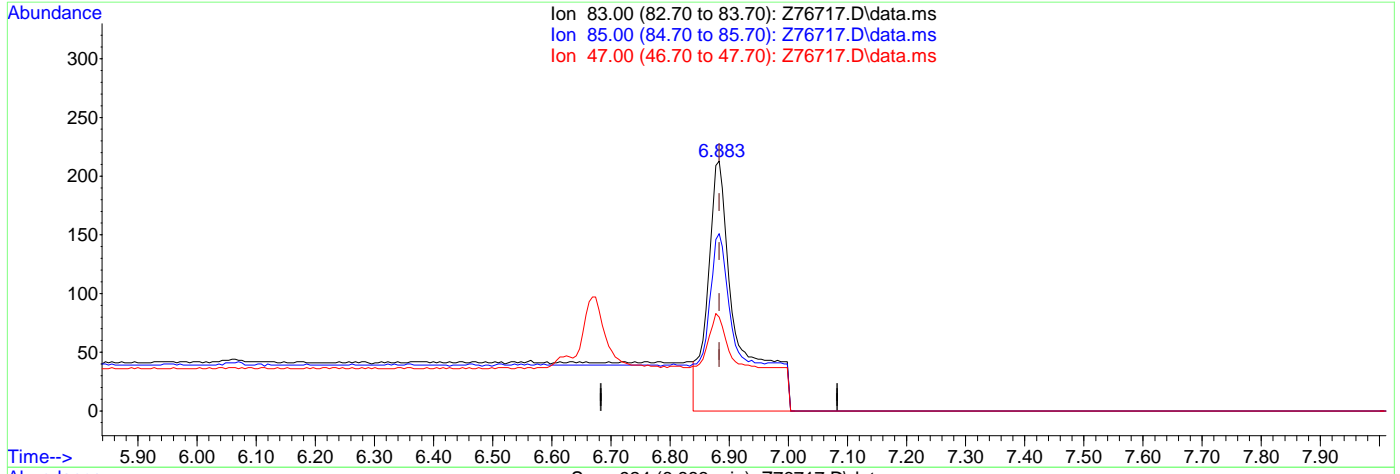
7

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\090324\
Data File : Z76717.D
Acq On : 3 Sep 2024 3:55 pm
Operator : claudias
Sample : FC18325-17
Misc : MS57405,VZ3088,,,,,
ALS Vial : 22 Sample Multiplier: 1

Inst : MSVOA15-Z

Quant Time: Sep 04 06:38:02 2024
Quant Method : C:\msdchem\1\methods\SIMCL-08-28-2024.M
Quant Title : Standard Methods 6200B
QLast Update : Wed Aug 28 11:30:23 2024
Response via : Initial Calibration



(9) Chloroform

6.883min (-0.000) 0.22ug/L

response 757

Ion	Exp%	Act%
83.00	100	100
85.00	65.90	70.89
47.00	21.00	37.56
0.00	0.00	0.00



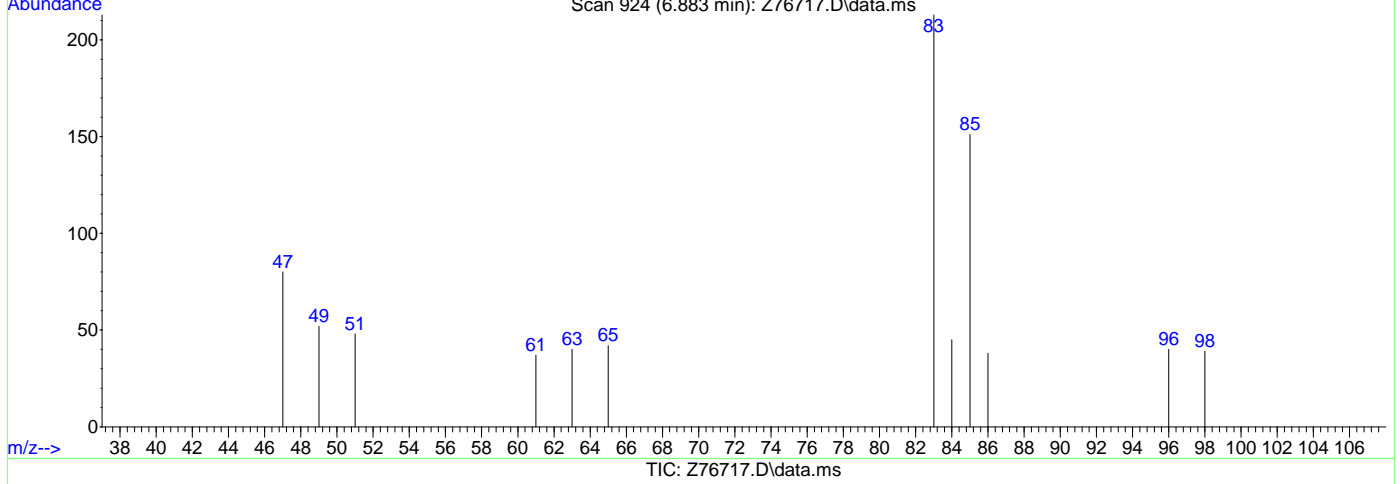
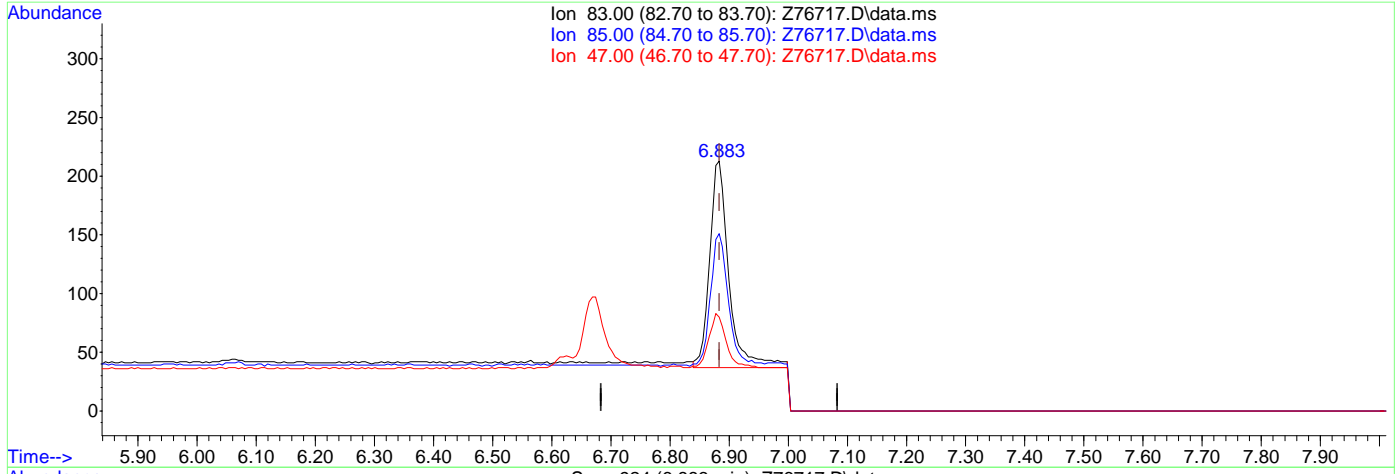
7.1.17.2
7

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\090324\
Data File : Z76717.D
Acq On : 3 Sep 2024 3:55 pm
Operator : claudias
Sample : FC18325-17
Misc : MS57405,VZ3088,,,,,
ALS Vial : 22 Sample Multiplier: 1

Inst : MSVOA15-Z

Quant Time: Sep 04 06:38:02 2024
Quant Method : C:\msdchem\1\methods\SIMCL-08-28-2024.M
Quant Title : Standard Methods 6200B
QLast Update : Wed Aug 28 11:30:23 2024
Response via : Initial Calibration



(9) Chloroform
6.883min (-0.000) 0.12ug/L m
response 397
lon Exp% Act%
83.00 100 100
85.00 65.90 70.89
47.00 21.00 37.56
0.00 0.00 0.00



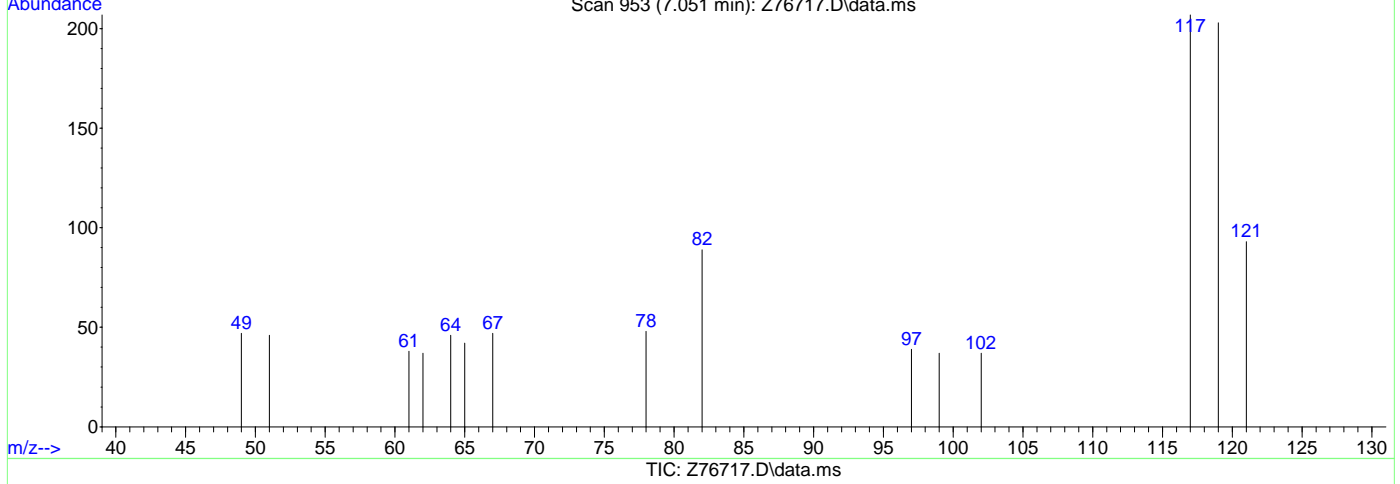
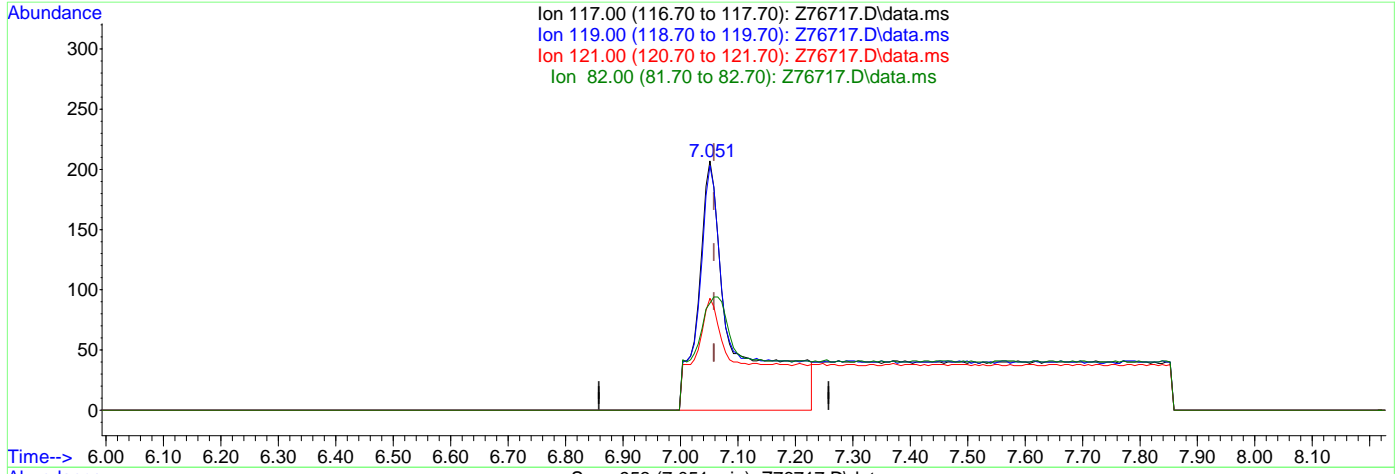
7.1.17.3
7

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\090324\
Data File : Z76717.D
Acq On : 3 Sep 2024 3:55 pm
Operator : claudias
Sample : FC18325-17
Misc : MS57405,VZ3088,,,,,
ALS Vial : 22 Sample Multiplier: 1

Inst : MSVOA15-Z

Quant Time: Sep 04 06:38:02 2024
Quant Method : C:\msdchem\1\methods\SIMCL-08-28-2024.M
Quant Title : Standard Methods 6200B
QLast Update : Wed Aug 28 11:30:23 2024
Response via : Initial Calibration



(10) Carbon Tetrachloride ()

7.051min (-0.007) 0.35ug/L

response 901

Ion	Exp%	Act%
117.00	100	100
119.00	96.20	98.07
121.00	31.20	44.93
82.00	20.80	43.00



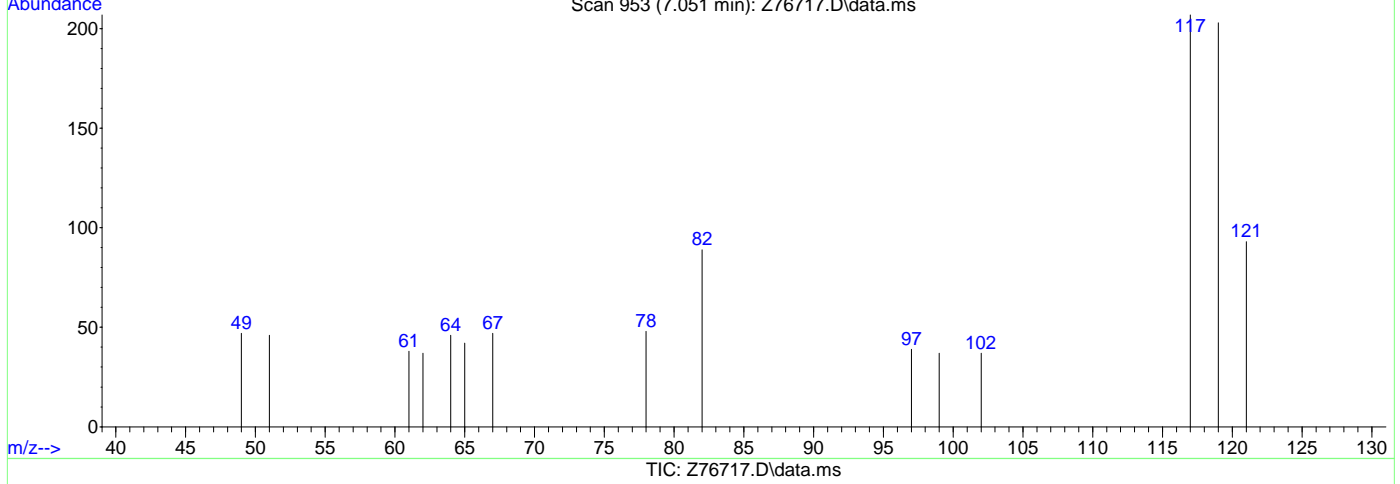
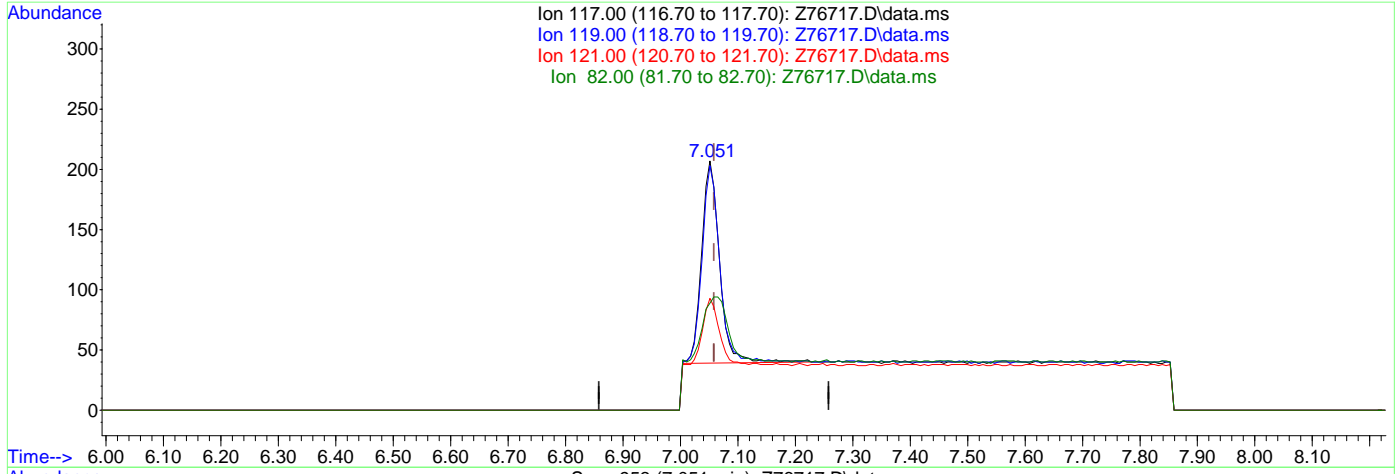
7.1.17.4
7

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\090324\
Data File : Z76717.D
Acq On : 3 Sep 2024 3:55 pm
Operator : claudias
Sample : FC18325-17
Misc : MS57405,VZ3088,,,,,
ALS Vial : 22 Sample Multiplier: 1

Inst : MSVOA15-Z

Quant Time: Sep 04 06:38:02 2024
Quant Method : C:\msdchem\1\methods\SIMCL-08-28-2024.M
Quant Title : Standard Methods 6200B
QLast Update : Wed Aug 28 11:30:23 2024
Response via : Initial Calibration



(10) Carbon Tetrachloride ()

7.051min (-0.007) 0.14ug/L m

response 363

Ion	Exp%	Act%
117.00	100	100
119.00	96.20	98.07
121.00	31.20	44.93
82.00	20.80	43.00



7.1.17.5
7

Manual Integrations
APPROVED
(compounds with "m" flag)
Karen Watson
09/04/24 09:30

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\090324\
Data File : Z76718.D
Acq On : 3 Sep 2024 4:18 pm
Operator : claudias
Sample : FC18325-18 Inst : MSVOA15-Z
Misc : MS57405,VZ3088,,,,,
ALS Vial : 23 Sample Multiplier: 1

Quant Time: Sep 04 06:59:07 2024
Quant Method : C:\msdchem\1\methods\SIMCL-08-28-2024.M
Quant Title : Standard Methods 6200B
QLast Update : Wed Aug 28 11:30:23 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	

Internal Standards							
1) Fluorobenzene	7.895	96	19199	5.00	ug/L	0.00	
18) Chlorobenzene-d5	10.981	117	22813	5.00	ug/L	0.00	
System Monitoring Compounds							
13) 1,2-Dichloroethane-d4	7.628	65	6688	5.75	ug/L	0.00	
Spiked Amount	5.000	Range	74 - 125	Recovery	=	115.00%	
19) Toluene-d8	9.428	98	24108	4.74	ug/L	0.00	
Spiked Amount	5.000	Range	88 - 111	Recovery	=	94.80%	
Target Compounds							
5) Methylene Chloride	5.208	49	234	0.08	ug/L		Qvalue 88
9) Chloroform	6.883	83	274m	0.08	ug/L		
10) Carbon Tetrachloride	7.051	117	838m	0.33	ug/L		
15) Trichloroethene	8.061	95	154	0.10	ug/L		86

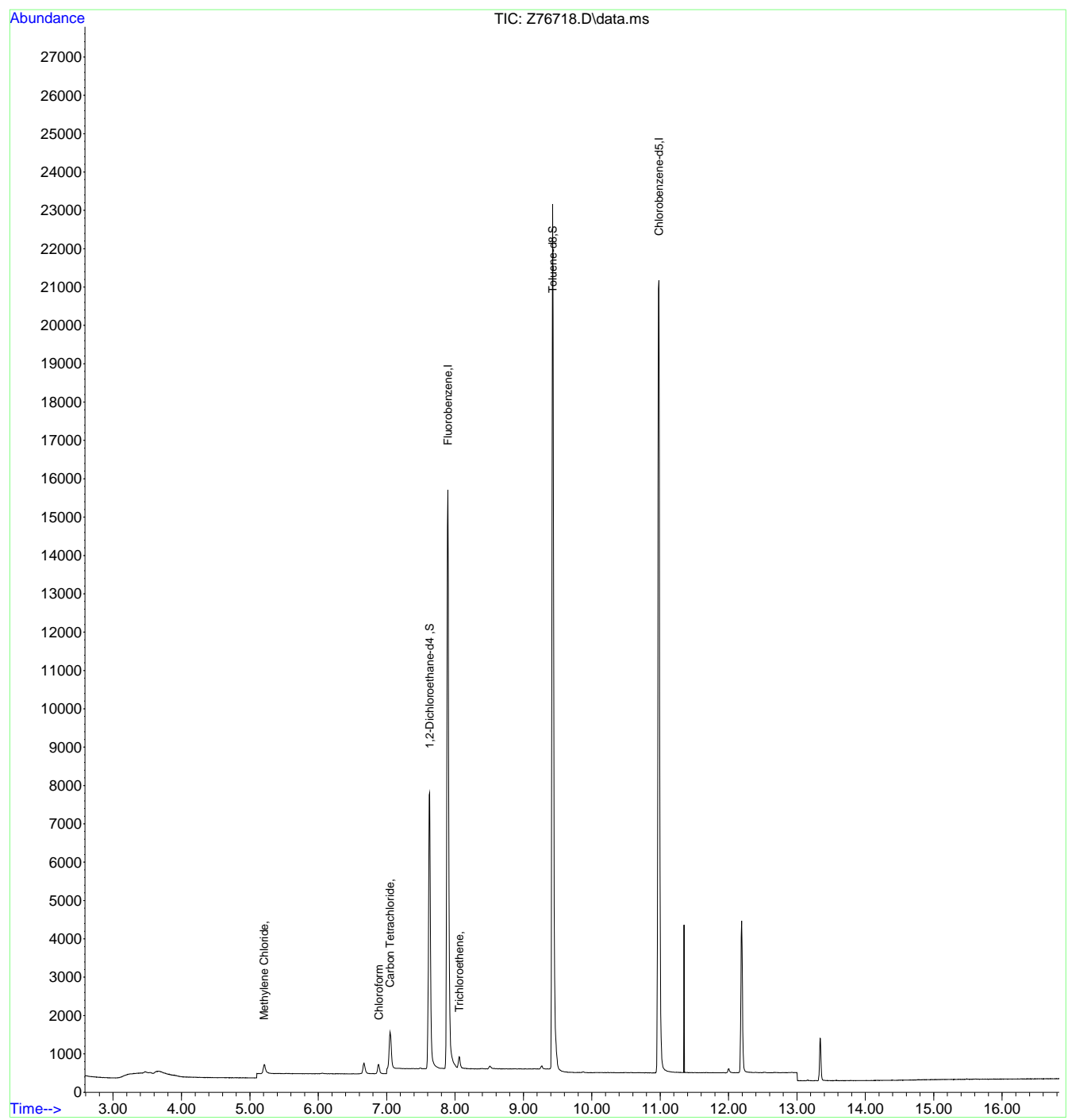
(#) = qualifier out of range (m) = manual integration (+) = signals summed

7.1.18
7

Quantitation Report (QT Reviewed)

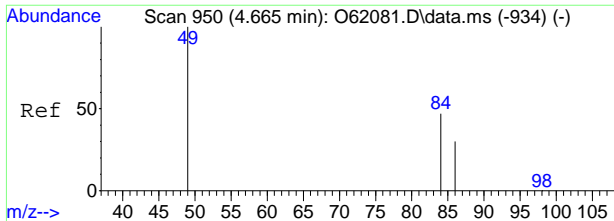
Data Path : C:\msdchem\1\data\090324\
Data File : Z76718.D
Acq On : 3 Sep 2024 4:18 pm
Operator : claudias
Sample : FC18325-18 Inst : MSVOA15-Z
Misc : MS57405,VZ3088,,,,,
ALS Vial : 23 Sample Multiplier: 1

Quant Time: Sep 04 06:59:07 2024
Quant Method : C:\msdchem\1\methods\SIMCL-08-28-2024.M
Quant Title : Standard Methods 6200B
QLast Update : Wed Aug 28 11:30:23 2024
Response via : Initial Calibration



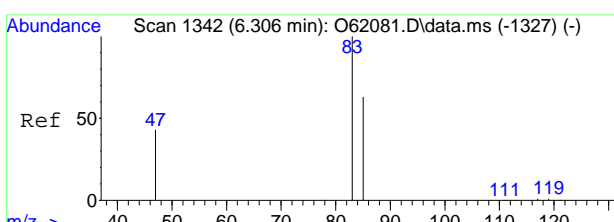
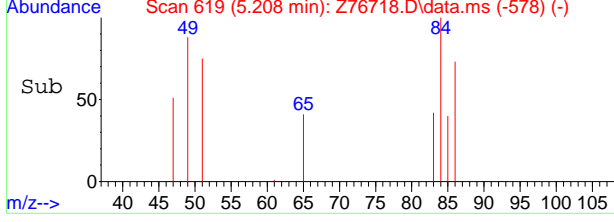
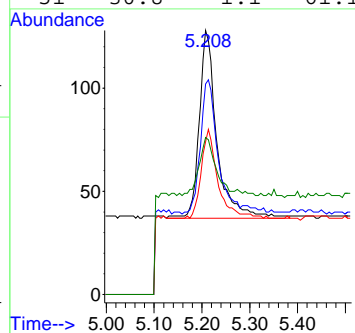
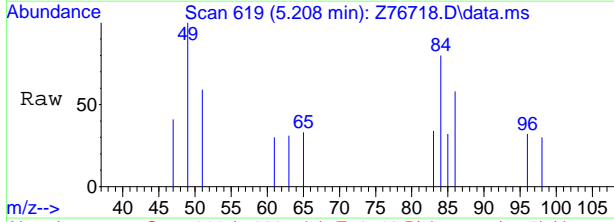
7.1.18
7





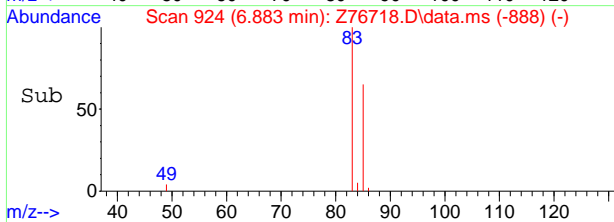
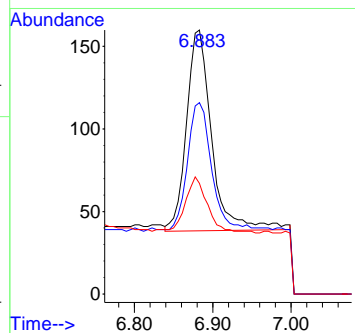
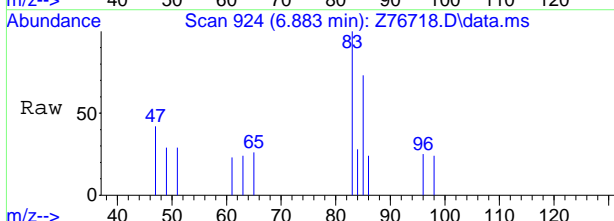
#5
 Methylene Chloride
 Concen: 0.08 ug/L
 RT: 5.208 min Scan# 619
 Delta R.T. -0.005 min
 Lab File: Z76718.D
 Acq: 3 Sep 2024 4:18 pm

Tgt Ion	Ratio	Lower	Upper
49	100		
84	68.1	49.7	109.7
86	40.7	22.0	82.0
51	30.8	1.1	61.1



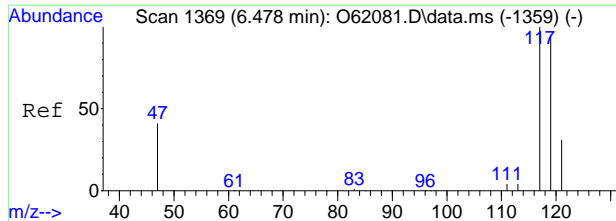
#9
 Chloroform
 Concen: 0.08 ug/L m
 RT: 6.883 min Scan# 924
 Delta R.T. 0.000 min
 Lab File: Z76718.D
 Acq: 3 Sep 2024 4:18 pm

Tgt Ion	Ratio	Lower	Upper
83	100		
85	72.5	35.9	95.9
47	41.9	0.0	51.0



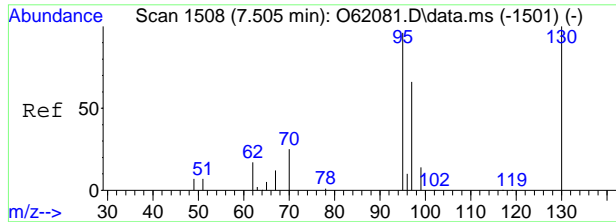
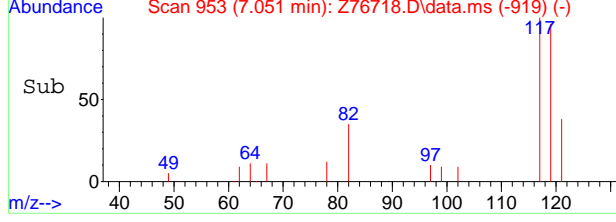
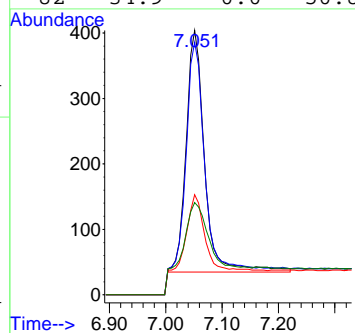
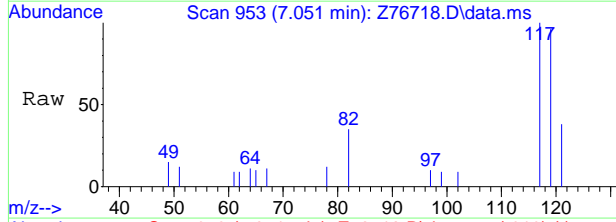
7.1.18
7





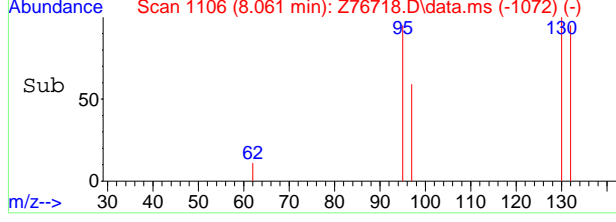
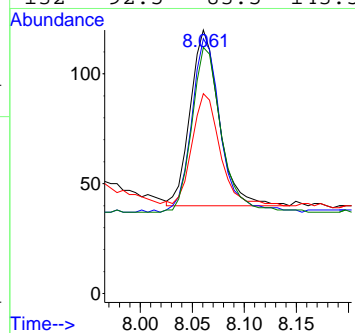
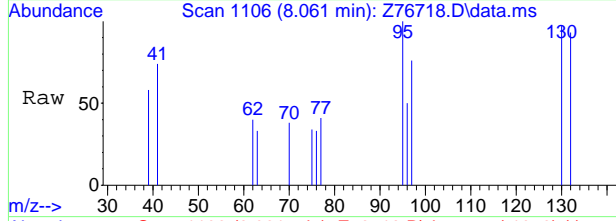
#10
Carbon Tetrachloride
Concen: 0.33 ug/L m
RT: 7.051 min Scan# 953
Delta R.T. -0.007 min
Lab File: Z76718.D
Acq: 3 Sep 2024 4:18 pm

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.5	66.2	126.2
121	37.9	1.2	61.2
82	34.9	0.0	50.8



#15
Trichloroethene
Concen: 0.10 ug/L
RT: 8.061 min Scan# 1106
Delta R.T. -0.000 min
Lab File: Z76718.D
Acq: 3 Sep 2024 4:18 pm

Tgt Ion	Ratio	Lower	Upper
95	100		
130	97.5	84.5	144.5
97	63.7	36.4	96.4
132	92.5	83.5	143.5



Manual Integration Approval Summary

Sample Number: FC18325-18 **Method:** SW846 8260D BY SIM
Lab FileID: Z76718.D **Analyst approved:** 09/04/24 07:58 Claudia Sosa
Injection Time: 09/03/24 16:18 **Supervisor approved:** 09/04/24 09:30 Karen Watson

Parameter	CAS	Sig#	R.T. (min.)	Reason
Chloroform	67-66-3		6.88	Poor instrument integration
Carbon Tetrachloride	56-23-5		7.05	Poor instrument integration

7.1.18.1

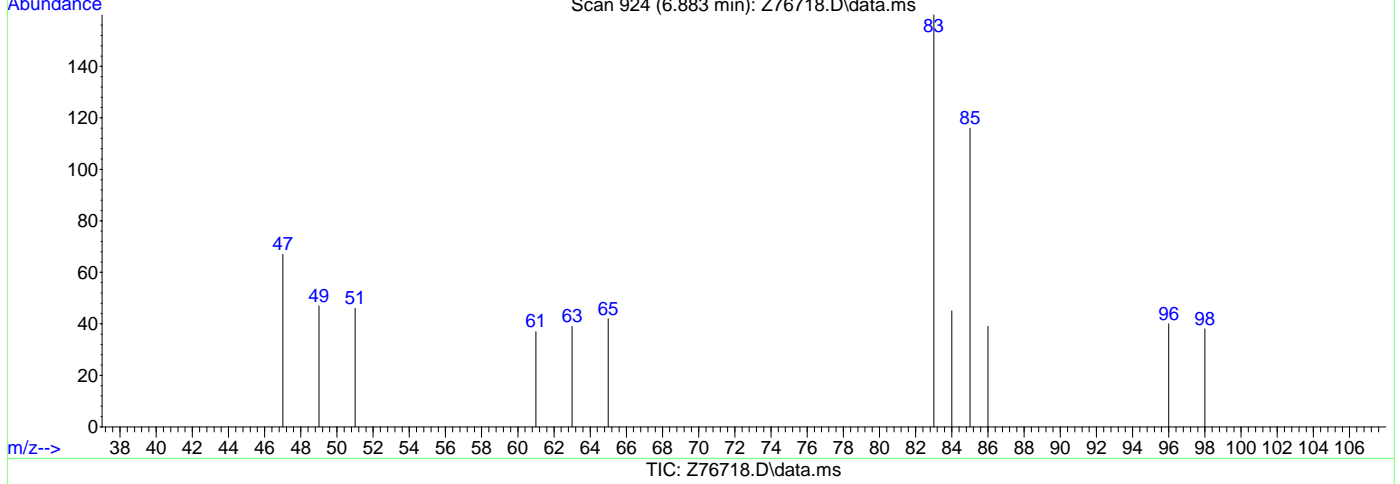
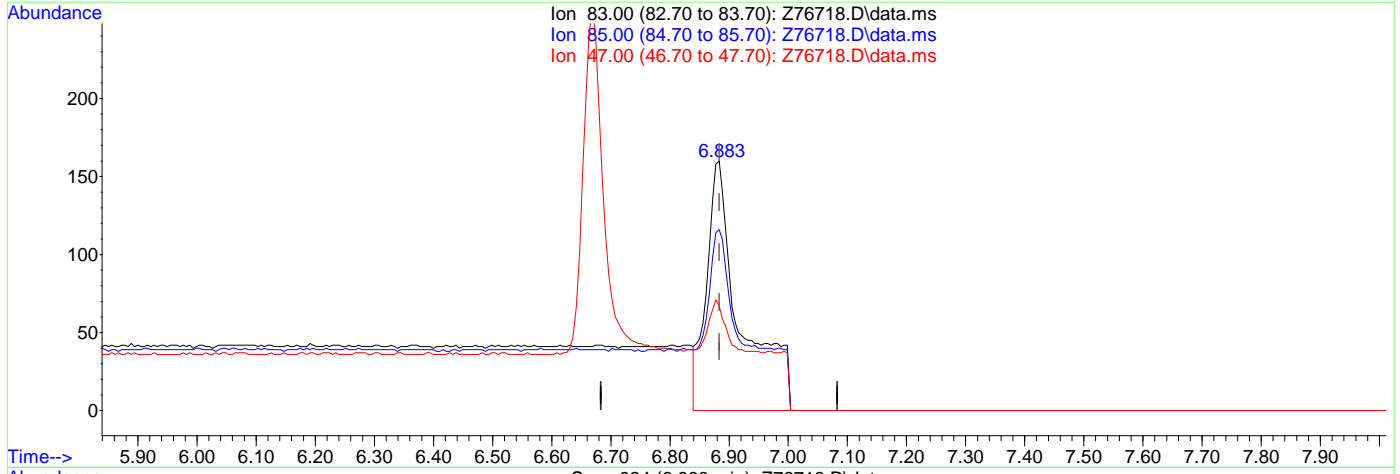
7

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\090324\
Data File : Z76718.D
Acq On : 3 Sep 2024 4:18 pm
Operator : claudias
Sample : FC18325-18
Misc : MS57405,VZ3088,,,,,
ALS Vial : 23 Sample Multiplier: 1

Inst : MSVOA15-Z

Quant Time: Sep 04 06:38:04 2024
Quant Method : C:\msdchem\1\methods\SIMCL-08-28-2024.M
Quant Title : Standard Methods 6200B
QLast Update : Wed Aug 28 11:30:23 2024
Response via : Initial Calibration



(9) Chloroform
6.883min (+0.000) 0.19ug/L
response 647

Ion	Exp%	Act%
83.00	100	100
85.00	65.90	72.50
47.00	21.00	41.88
0.00	0.00	0.00



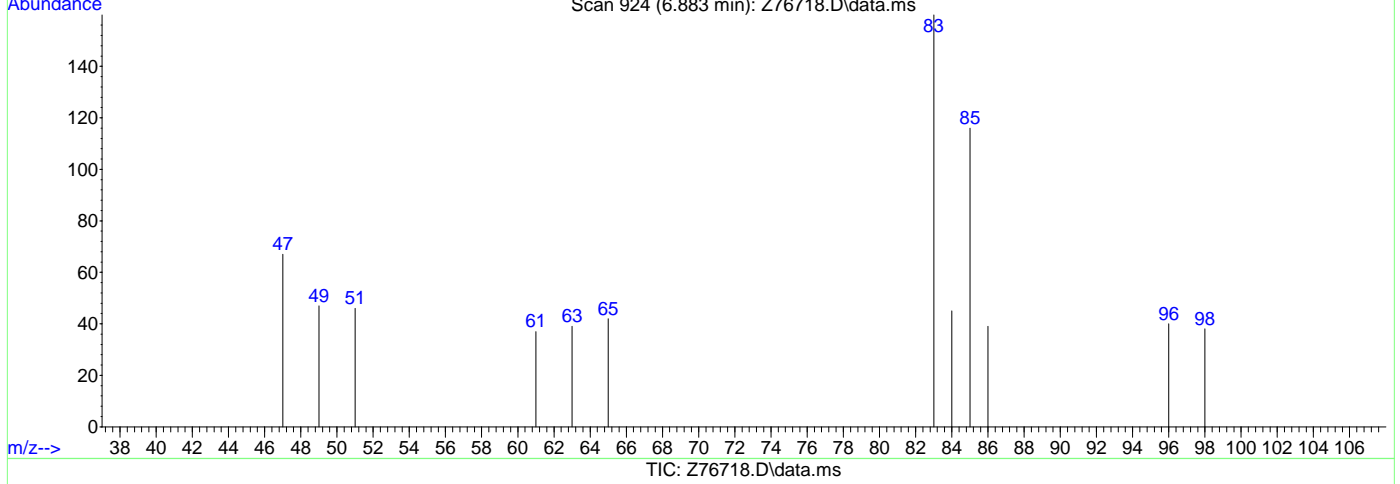
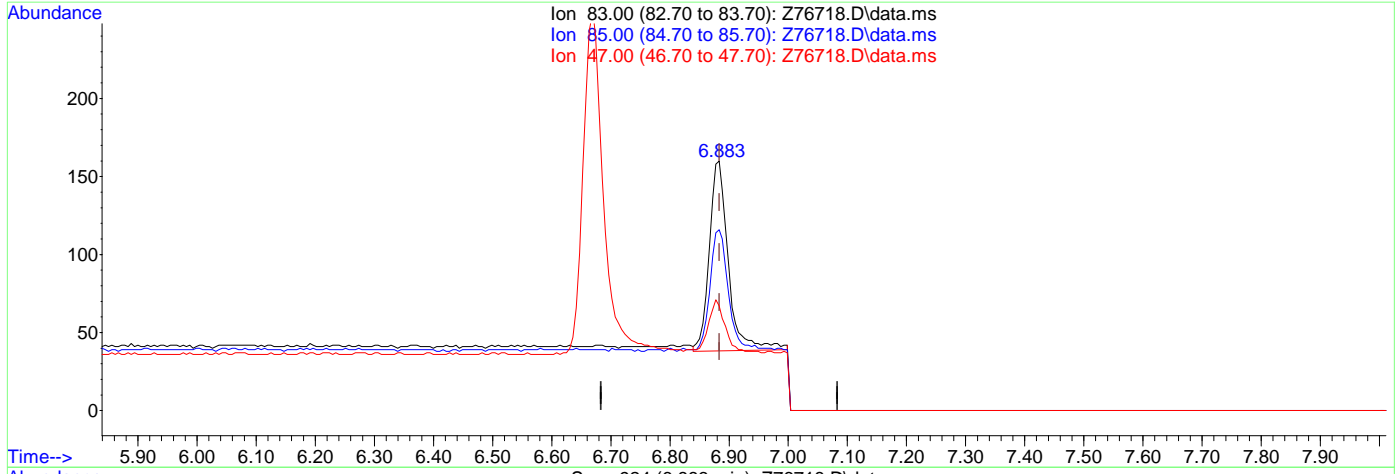
7.1.18.2
7

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\090324\
Data File : Z76718.D
Acq On : 3 Sep 2024 4:18 pm
Operator : claudias
Sample : FC18325-18
Misc : MS57405,VZ3088,,,,,
ALS Vial : 23 Sample Multiplier: 1

Inst : MSVOA15-Z

Quant Time: Sep 04 06:38:04 2024
Quant Method : C:\msdchem\1\methods\SIMCL-08-28-2024.M
Quant Title : Standard Methods 6200B
QLast Update : Wed Aug 28 11:30:23 2024
Response via : Initial Calibration



(9) Chloroform
6.883min (+0.000) 0.08ug/L m
response 274

Ion	Exp%	Act%
83.00	100	100
85.00	65.90	72.50
47.00	21.00	41.88
0.00	0.00	0.00



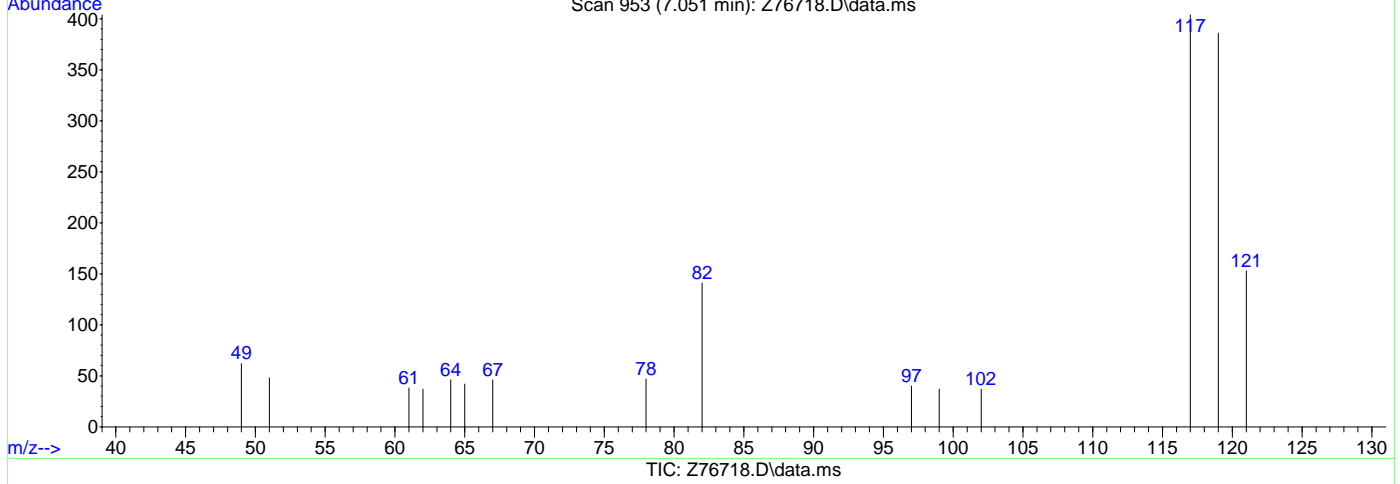
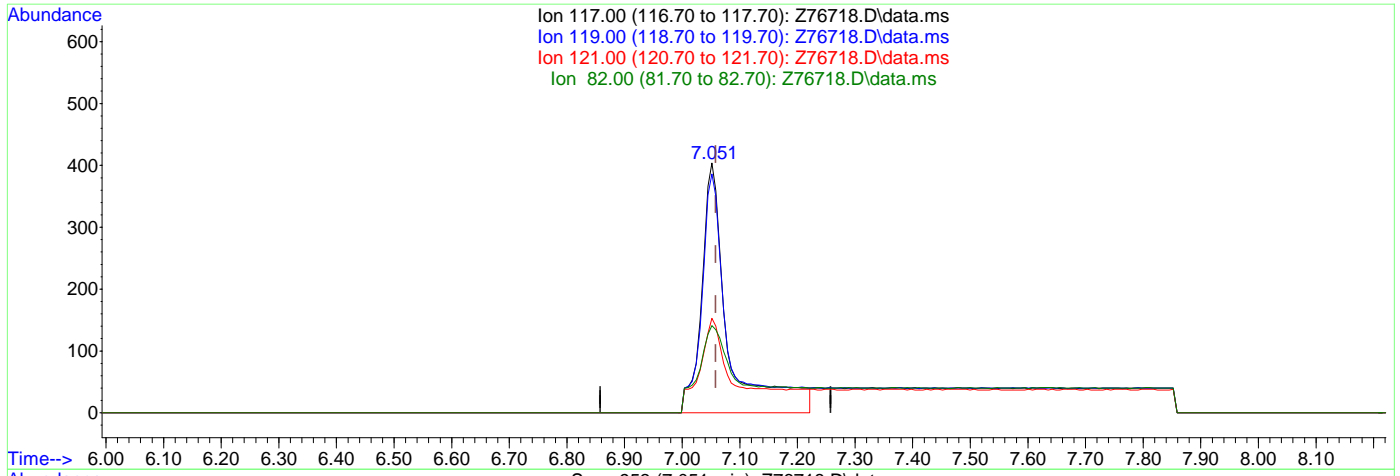
7.1.18.3
7

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\090324\
Data File : Z76718.D
Acq On : 3 Sep 2024 4:18 pm
Operator : claudias
Sample : FC18325-18
Misc : MS57405,VZ3088,,,,,
ALS Vial : 23 Sample Multiplier: 1

Inst : MSVOA15-Z

Quant Time: Sep 04 06:38:04 2024
Quant Method : C:\msdchem\1\methods\SIMCL-08-28-2024.M
Quant Title : Standard Methods 6200B
QLast Update : Wed Aug 28 11:30:23 2024
Response via : Initial Calibration



(10) Carbon Tetrachloride ()

7.051min (-0.007) 0.51ug/L

response 1295

Ion	Exp%	Act%
117.00	100	100
119.00	96.20	95.54
121.00	31.20	37.87
82.00	20.80	34.90



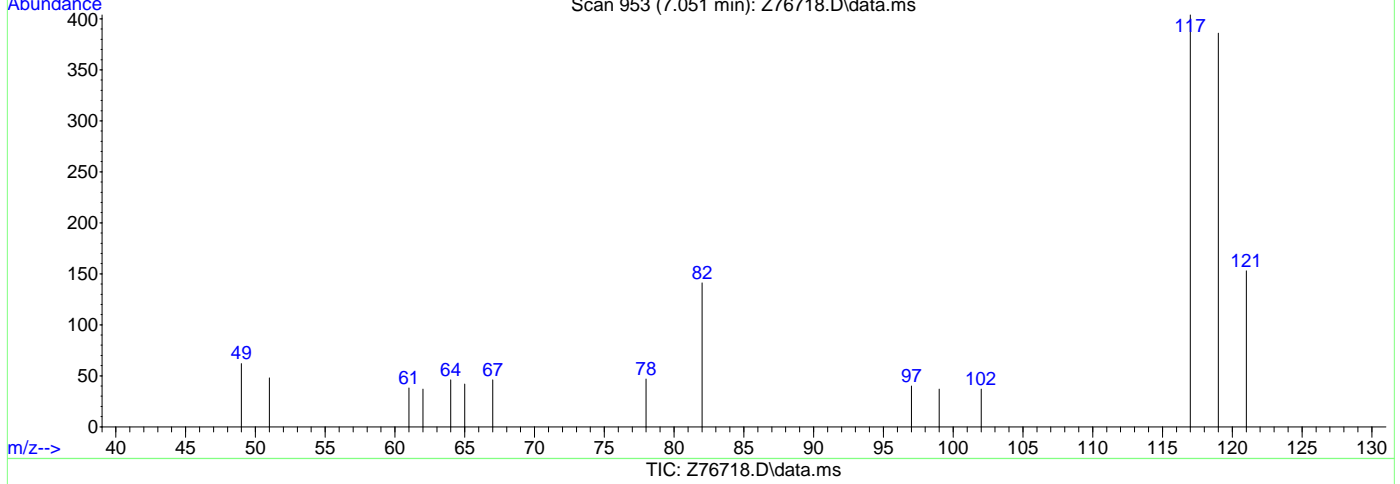
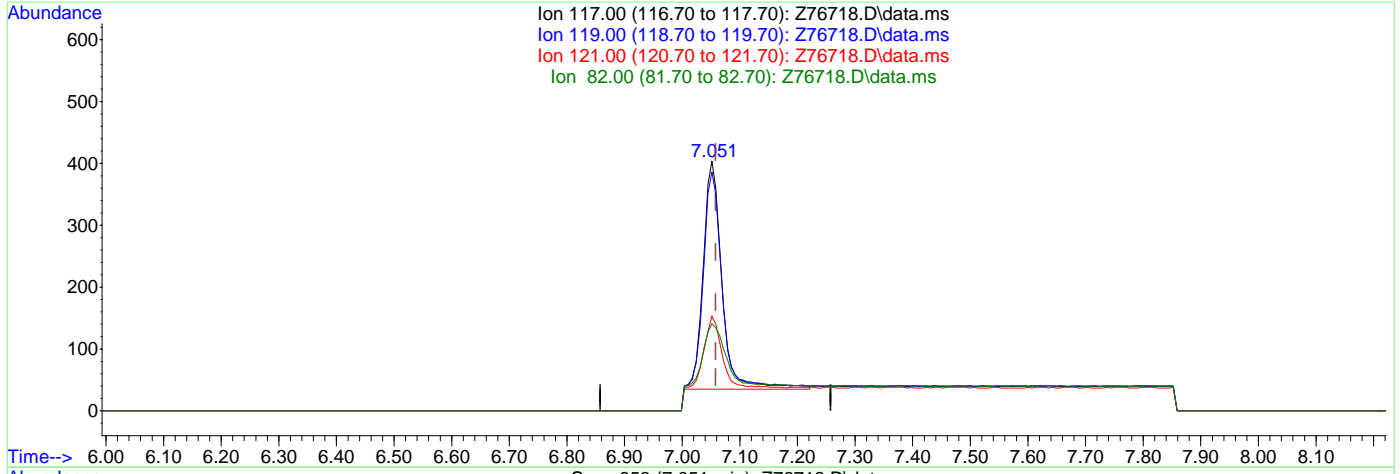
7.1.18.4
7

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\090324\
Data File : Z76718.D
Acq On : 3 Sep 2024 4:18 pm
Operator : claudias
Sample : FC18325-18
Misc : MS57405,VZ3088,,,,,
ALS Vial : 23 Sample Multiplier: 1

Inst : MSVOA15-Z

Quant Time: Sep 04 06:38:04 2024
Quant Method : C:\msdchem\1\methods\SIMCL-08-28-2024.M
Quant Title : Standard Methods 6200B
QLast Update : Wed Aug 28 11:30:23 2024
Response via : Initial Calibration



(10) Carbon Tetrachloride ()

7.051min (-0.007) 0.33ug/L m

response 838

Ion	Exp%	Act%
117.00	100	100
119.00	96.20	95.54
121.00	31.20	37.87
82.00	20.80	34.90



7.1.18.5
7

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\090324\
 Data File : Z76700.D
 Acq On : 3 Sep 2024 9:10 am
 Operator : claudias
 Sample : MB Inst : MSVOA15-Z
 Misc : MS57405,VZ3088,,,,,
 ALS Vial : 5 Sample Multiplier: 1

Quant Time: Sep 03 09:27:54 2024
 Quant Method : C:\msdchem\1\methods\SIMCL-08-28-2024.M
 Quant Title : Standard Methods 6200B
 QLast Update : Wed Aug 28 11:30:23 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Fluorobenzene	7.895	96	21218	5.00	ug/L	0.00
18) Chlorobenzene-d5	10.980	117	25316	5.00	ug/L	0.00
System Monitoring Compounds						
13) 1,2-Dichloroethane-d4	7.628	65	6958	5.41	ug/L	0.00
Spiked Amount	5.000	Range 74 - 125	Recovery	=	108.20%	
19) Toluene-d8	9.428	98	26185	4.64	ug/L	0.00
Spiked Amount	5.000	Range 88 - 111	Recovery	=	92.80%	
Target Compounds						
5) Methylene Chloride	5.213	49	519	0.16	ug/L	Qvalue 97

(#) = qualifier out of range (m) = manual integration (+) = signals summed

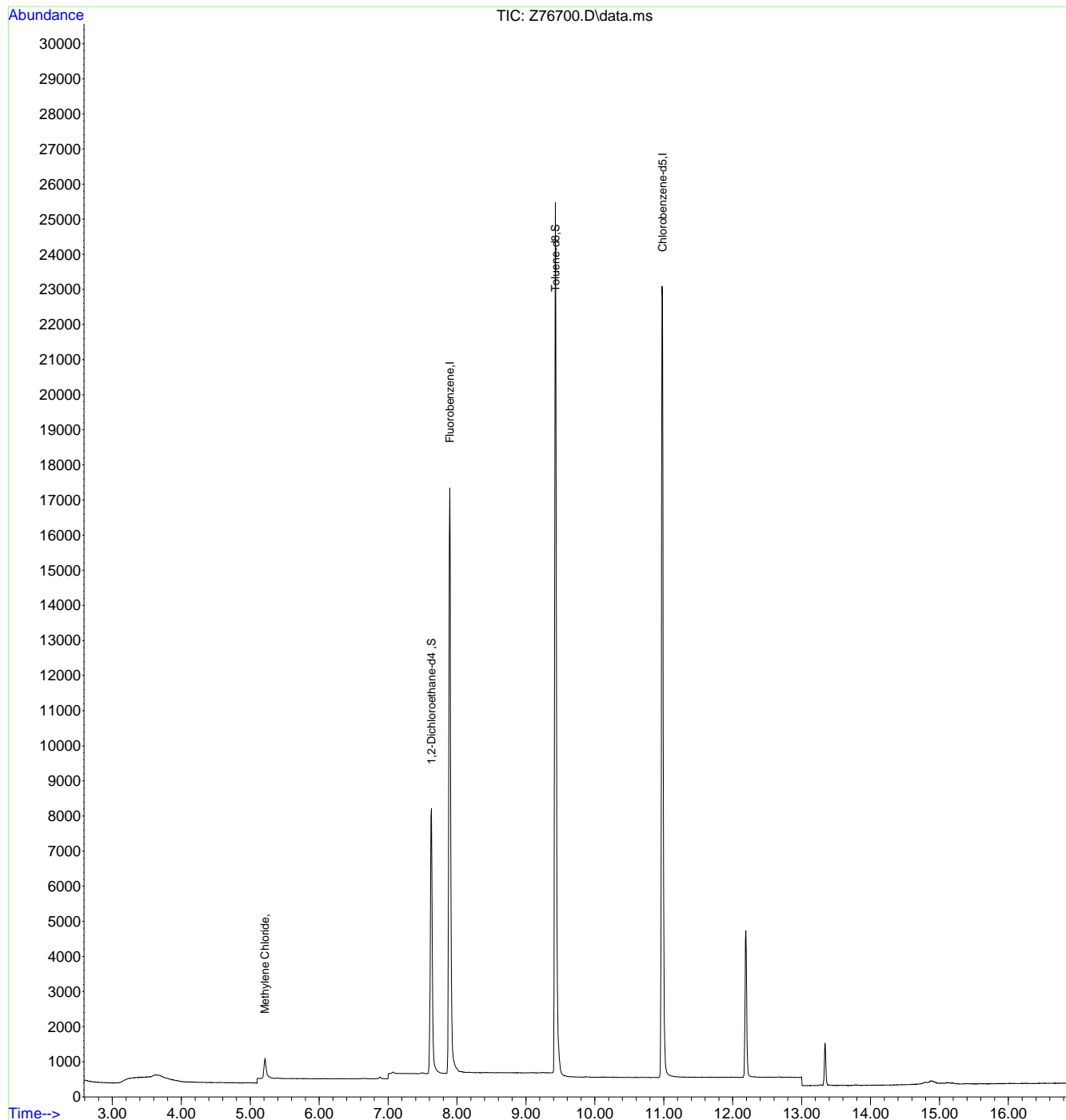
7.2.1
7



Quantitation Report (QT Reviewed)

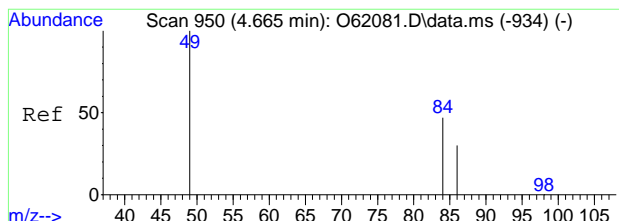
Data Path : C:\msdchem\1\data\090324\
Data File : Z76700.D
Acq On : 3 Sep 2024 9:10 am
Operator : claudias
Sample : MB Inst : MSVOA15-Z
Misc : MS57405,VZ3088,,,,,
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Sep 03 09:27:54 2024
Quant Method : C:\msdchem\1\methods\SIMCL-08-28-2024.M
Quant Title : Standard Methods 6200B
QLast Update : Wed Aug 28 11:30:23 2024
Response via : Initial Calibration



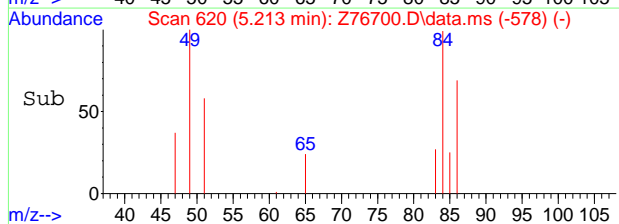
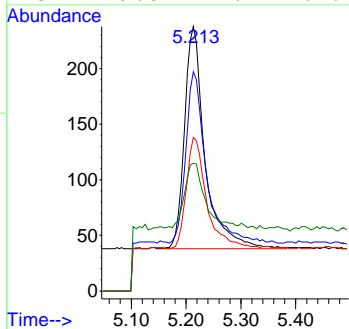
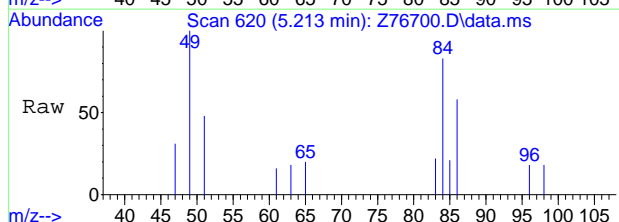
7.2.1
7





#5
 Methylene Chloride
 Concen: 0.16 ug/L
 RT: 5.213 min Scan# 620
 Delta R.T. 0.000 min
 Lab File: Z76700.D
 Acq: 3 Sep 2024 9:10 am

Tgt Ion	Ratio	Lower	Upper
49	100		
84	76.5	49.7	109.7
86	49.5	22.0	82.0
51	29.5	1.1	61.1



7.2.1
7

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\090324\
 Data File : Z76698.D
 Acq On : 3 Sep 2024 8:05 am
 Operator : claudias
 Sample : bs Inst : MSVOA15-Z
 Misc : MS57383,VZ3088,,,,,
 ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 03 08:23:50 2024
 Quant Method : C:\msdchem\1\methods\SIMCL-08-28-2024.M
 Quant Title : Standard Methods 6200B
 QLast Update : Wed Aug 28 11:30:23 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	

Internal Standards							
1) Fluorobenzene	7.895	96	21761	5.00	ug/L	0.00	
18) Chlorobenzene-d5	10.975	117	24635	5.00	ug/L	0.00	
System Monitoring Compounds							
13) 1,2-Dichloroethane-d4	7.621	65	6765	5.13	ug/L	0.00	
Spiked Amount	5.000	Range 74 - 125	Recovery	=	102.60%		
19) Toluene-d8	9.428	98	25672	4.67	ug/L	0.00	
Spiked Amount	5.000	Range 88 - 111	Recovery	=	93.40%		
Target Compounds							
							Qvalue
2) Vinyl Chloride	3.188	62	10849	4.96	ug/L		99
3) Chloromethane	3.125	50	12618	5.07	ug/L		98
4) 1,1-Dichloroethene	4.561	61	14539	5.93	ug/L		97
5) Methylene Chloride	5.208	49	21638	7.45	ug/L		94
6) trans-1,2-Dichloroethene	5.384	61	14327	6.10	ug/L		94
7) 1,1-Dichloroethane	6.059	63	18145	6.46	ug/L		100
8) cis-1,2-Dichloroethene	6.619	96	11038	5.79	ug/L		93
9) Chloroform	6.877	83	19576	5.37	ug/L		96
10) Carbon Tetrachloride	7.051	117	13348	4.91	ug/L		99
11) 1,1,1-Trichloroethane	7.119	97	16408	5.56	ug/L		96
12) Benzene	7.492	78	33582	5.32	ug/L		93
14) 1,2-Dichloroethane	7.689	62	13038	5.64	ug/L		94
15) Trichloroethene	8.055	95	8884	5.21	ug/L		89
16) 1,2-Dichloropropane	8.582	63	8940	5.17	ug/L		92
17) cis-1,3-Dichloropropene	9.240	75	12973	4.85	ug/L		92
20) trans-1,3-Dichloropropene	9.869	75	10948	4.13	ug/L		93
21) Tetrachloroethene	9.869	166	9418	5.06	ug/L #		90
22) 1,4-Dichlorobenzene	13.354	146	21415	5.11	ug/L		94
23) 1,2-Dibromo-3-Chloropr...	14.517	75	2274	3.95	ug/L #		72

(#) = qualifier out of range (m) = manual integration (+) = signals summed

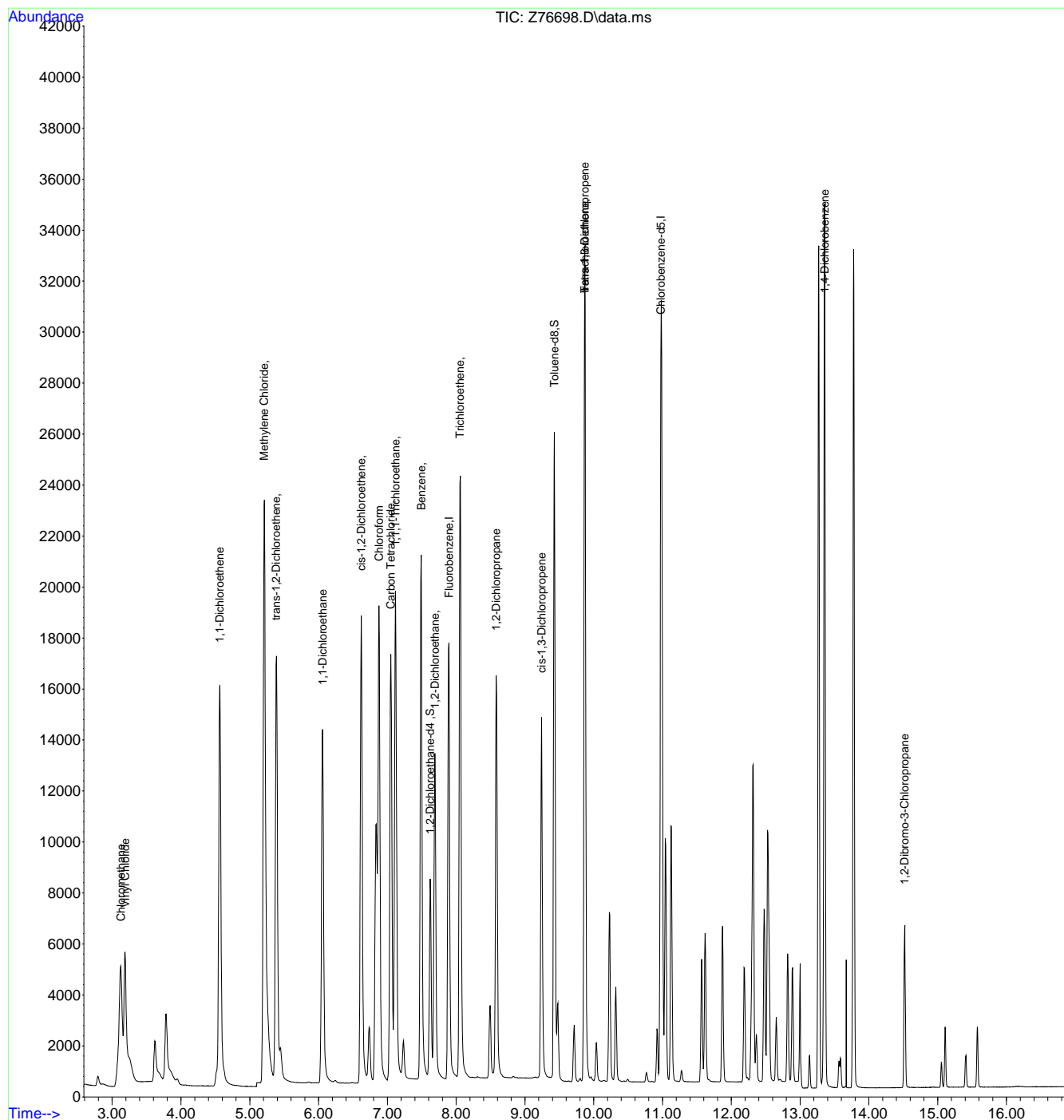
7.3.1
7

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\090324\
 Data File : Z76698.D
 Acq On : 3 Sep 2024 8:05 am
 Operator : claudias
 Sample : bs
 Misc : MS57383,VZ3088,,,,,
 ALS Vial : 3 Sample Multiplier: 1

Inst : MSVOA15-Z

Quant Time: Sep 03 08:23:50 2024
 Quant Method : C:\msdchem\1\methods\SIMCL-08-28-2024.M
 Quant Title : Standard Methods 6200B
 QLast Update : Wed Aug 28 11:30:23 2024
 Response via : Initial Calibration



7.3.1
7

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\090324\
 Data File : Z76721.D
 Acq On : 3 Sep 2024 5:26 pm
 Operator : claudias
 Sample : FC18325-4MS Inst : MSVOA15-Z
 Misc : MS57405,VZ3088,,,,,5
 ALS Vial : 26 Sample Multiplier: 1

Quant Time: Sep 04 06:38:10 2024
 Quant Method : C:\msdchem\1\methods\SIMCL-08-28-2024.M
 Quant Title : Standard Methods 6200B
 QLast Update : Wed Aug 28 11:30:23 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	

Internal Standards							
1) Fluorobenzene	7.895	96	19083	5.00	ug/L	0.00	
18) Chlorobenzene-d5	10.980	117	22806	5.00	ug/L	0.00	
System Monitoring Compounds							
13) 1,2-Dichloroethane-d4	7.628	65	6966	6.03	ug/L	0.00	
Spiked Amount	5.000	Range 74 - 125	Recovery	=	120.60%		
19) Toluene-d8	9.428	98	23578	4.64	ug/L	0.00	
Spiked Amount	5.000	Range 88 - 111	Recovery	=	92.80%		
Target Compounds							
							Qvalue
2) Vinyl Chloride	3.188	62	9794	5.11	ug/L		100
3) Chloromethane	3.120	50	11346	5.21	ug/L		99
4) 1,1-Dichloroethene	4.566	61	14280	6.69	ug/L		96
5) Methylene Chloride	5.213	49	20178	8.02	ug/L		94
6) trans-1,2-Dichloroethene	5.389	61	13387	6.52	ug/L		96
7) 1,1-Dichloroethane	6.059	63	17346	7.05	ug/L		100
8) cis-1,2-Dichloroethene	6.625	96	10013	6.00	ug/L		94
9) Chloroform	6.883	83	18243	5.74	ug/L		98
10) Carbon Tetrachloride	7.051	117	12007	5.05	ug/L		98
11) 1,1,1-Trichloroethane	7.119	97	15660	6.08	ug/L		94
12) Benzene	7.492	78	30486	5.51	ug/L		96
14) 1,2-Dichloroethane	7.689	62	12823	6.37	ug/L		93
15) Trichloroethene	8.061	95	8013	5.36	ug/L		89
16) 1,2-Dichloropropane	8.588	63	8491	5.60	ug/L		92
17) cis-1,3-Dichloropropene	9.240	75	11342	4.84	ug/L		87
20) trans-1,3-Dichloropropene	9.874	75	9513	3.88	ug/L		93
21) Tetrachloroethene	9.874	166	7902	4.58	ug/L #		92
22) 1,4-Dichlorobenzene	13.354	146	18247	4.71	ug/L		93
23) 1,2-Dibromo-3-Chloropr...	14.517	75	2224	4.17	ug/L #		64

(#) = qualifier out of range (m) = manual integration (+) = signals summed

7.4.1
7

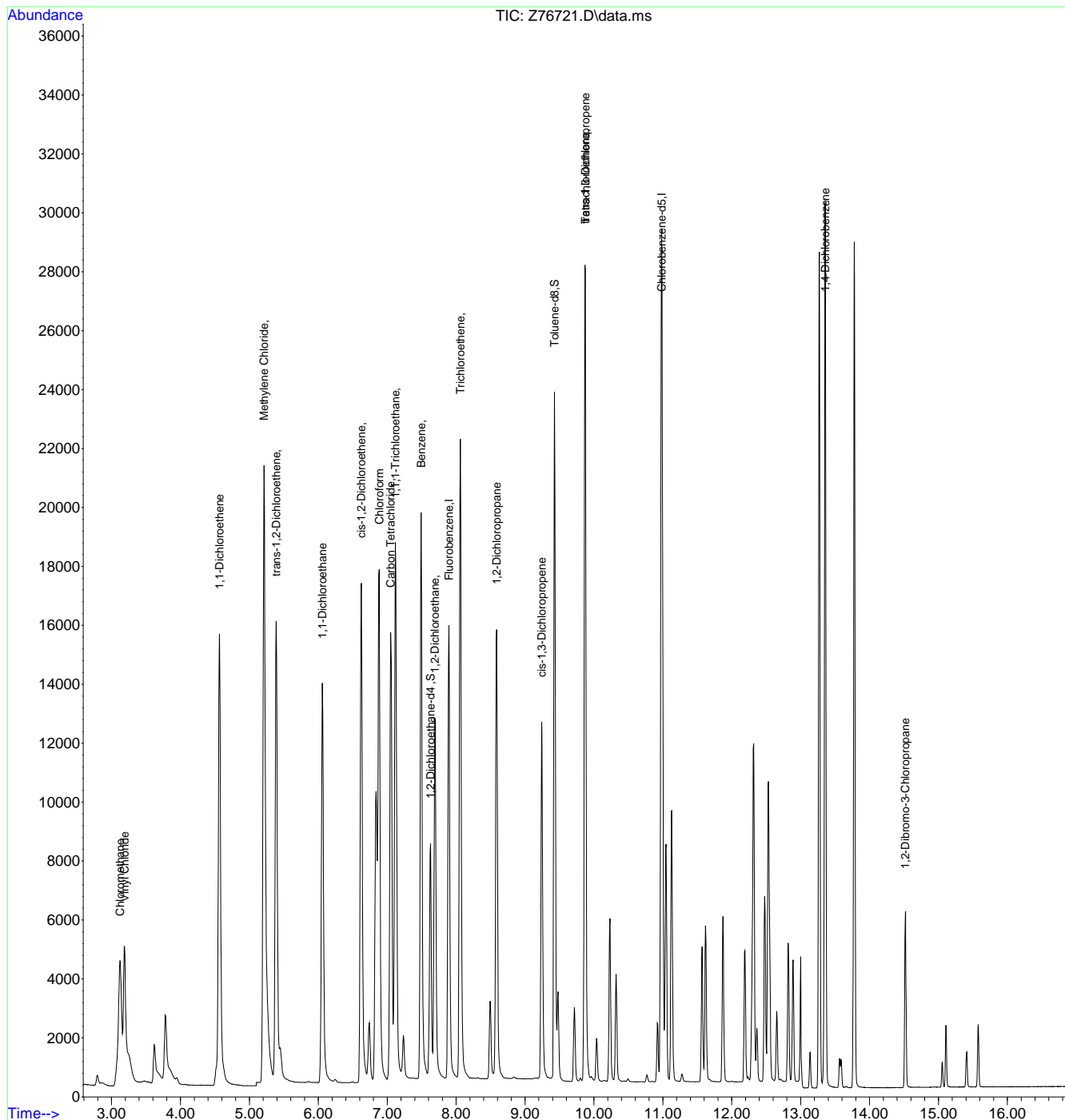


Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\090324\
Data File : Z76721.D
Acq On : 3 Sep 2024 5:26 pm
Operator : claudias
Sample : FC18325-4MS
Misc : MS57405,VZ3088,,,,,5
ALS Vial : 26 Sample Multiplier: 1

Inst : MSVOA15-Z

Quant Time: Sep 04 06:38:10 2024
Quant Method : C:\msdchem\1\methods\SIMCL-08-28-2024.M
Quant Title : Standard Methods 6200B
QLast Update : Wed Aug 28 11:30:23 2024
Response via : Initial Calibration



7.4.1
7



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\090324\
 Data File : Z76722.D
 Acq On : 3 Sep 2024 5:49 pm
 Operator : claudias
 Sample : FC18325-4MSD Inst : MSVOA15-Z
 Misc : MS57405,VZ3088,,,,,5
 ALS Vial : 27 Sample Multiplier: 1

Quant Time: Sep 04 06:38:12 2024
 Quant Method : C:\msdchem\1\methods\SIMCL-08-28-2024.M
 Quant Title : Standard Methods 6200B
 QLast Update : Wed Aug 28 11:30:23 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	

Internal Standards							
1) Fluorobenzene	7.894	96	18814	5.00	ug/L	0.00	
18) Chlorobenzene-d5	10.975	117	22460	5.00	ug/L	0.00	
System Monitoring Compounds							
13) 1,2-Dichloroethane-d4	7.628	65	6757	5.93	ug/L	0.00	
Spiked Amount	5.000	Range	74 - 125	Recovery	=	118.60%	
19) Toluene-d8	9.428	98	23297	4.65	ug/L	0.00	
Spiked Amount	5.000	Range	88 - 111	Recovery	=	93.00%	
Target Compounds							
							Qvalue
2) Vinyl Chloride	3.183	62	10301	5.47	ug/L		99
3) Chloromethane	3.120	50	11893	5.55	ug/L		99
4) 1,1-Dichloroethene	4.561	61	13418	6.36	ug/L		94
5) Methylene Chloride	5.208	49	18571	7.39	ug/L		90
6) trans-1,2-Dichloroethene	5.389	61	12532	6.17	ug/L		97
7) 1,1-Dichloroethane	6.059	63	16216	6.68	ug/L		99
8) cis-1,2-Dichloroethene	6.625	96	9382	5.69	ug/L		95
9) Chloroform	6.883	83	17085	5.43	ug/L		98
10) Carbon Tetrachloride	7.051	117	11246	4.78	ug/L		98
11) 1,1,1-Trichloroethane	7.119	97	14625	5.74	ug/L		94
12) Benzene	7.492	78	28305	5.19	ug/L		96
14) 1,2-Dichloroethane	7.689	62	11946	6.00	ug/L		93
15) Trichloroethene	8.060	95	7419	5.03	ug/L		89
16) 1,2-Dichloropropane	8.588	63	7802	5.22	ug/L		92
17) cis-1,3-Dichloropropene	9.240	75	10410	4.50	ug/L		87
20) trans-1,3-Dichloropropene	9.874	75	8751	3.62	ug/L		93
21) Tetrachloroethene	9.874	166	7451	4.38	ug/L #		93
22) 1,4-Dichlorobenzene	13.354	146	17033	4.46	ug/L		92
23) 1,2-Dibromo-3-Chloropr...	14.517	75	2049	3.90	ug/L #		64

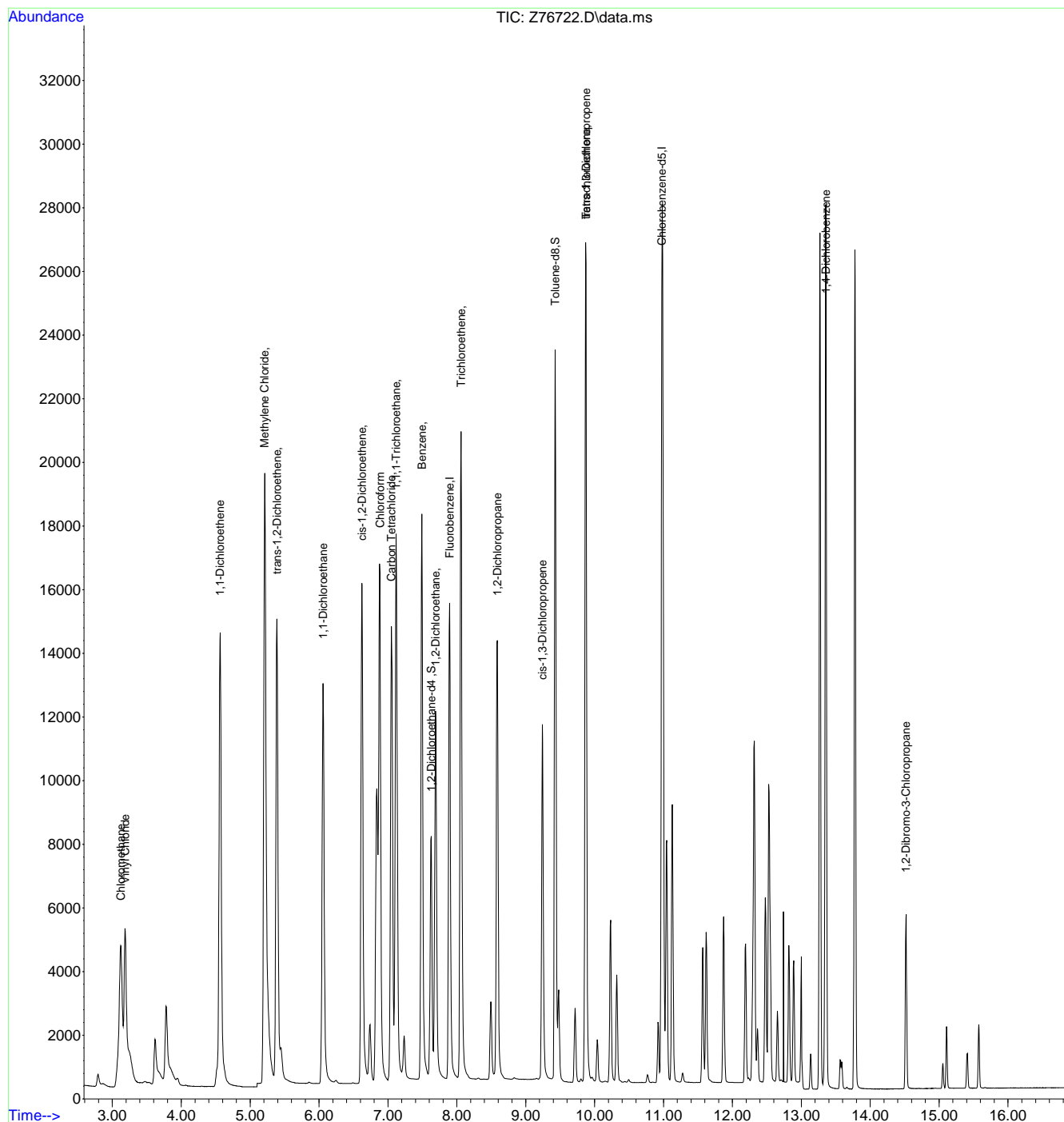
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\090324\
 Data File : Z76722.D
 Acq On : 3 Sep 2024 5:49 pm
 Operator : claudias
 Sample : FC18325-4MSD
 Misc : MS57405,VZ3088,,,,,5
 ALS Vial : 27 Sample Multiplier: 1

Inst : MSVOA15-Z

Quant Time: Sep 04 06:38:12 2024
 Quant Method : C:\msdchem\1\methods\SIMCL-08-28-2024.M
 Quant Title : Standard Methods 6200B
 QLast Update : Wed Aug 28 11:30:23 2024
 Response via : Initial Calibration



Methods: SW-846 8260B

Data File : C:\msdchem\1\data\082824\Z76601.D

Vial: 1

Acq On : 28 Aug 2024 7:36 am

Operator: claudias

Sample : bfb

Inst : MSVOA15-Z

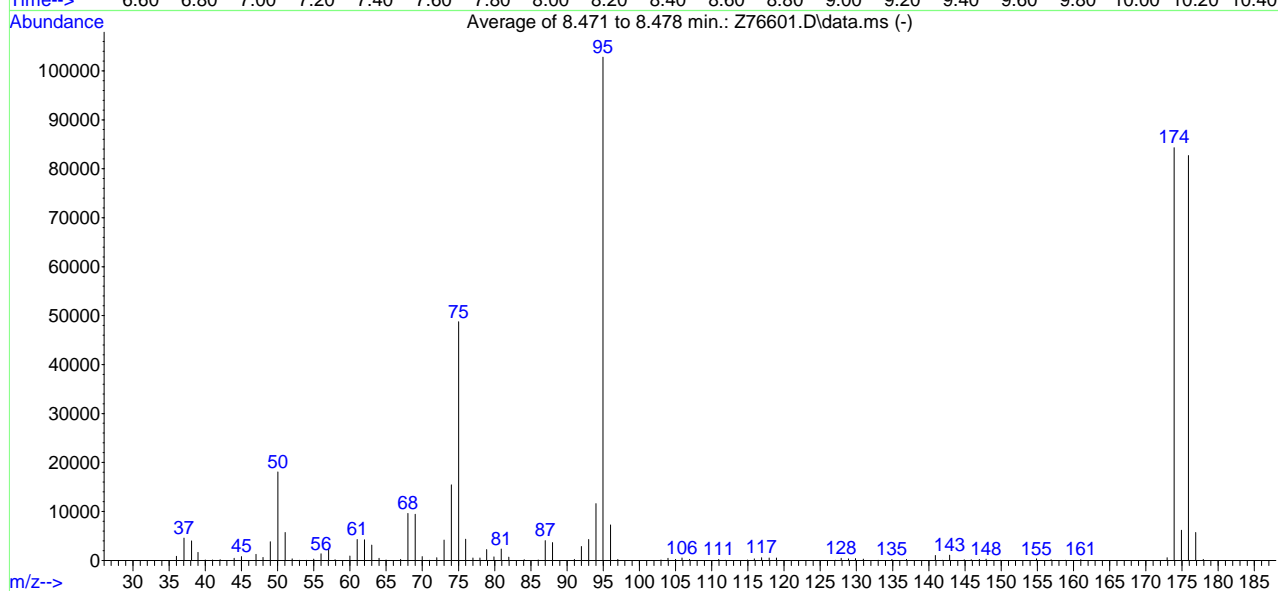
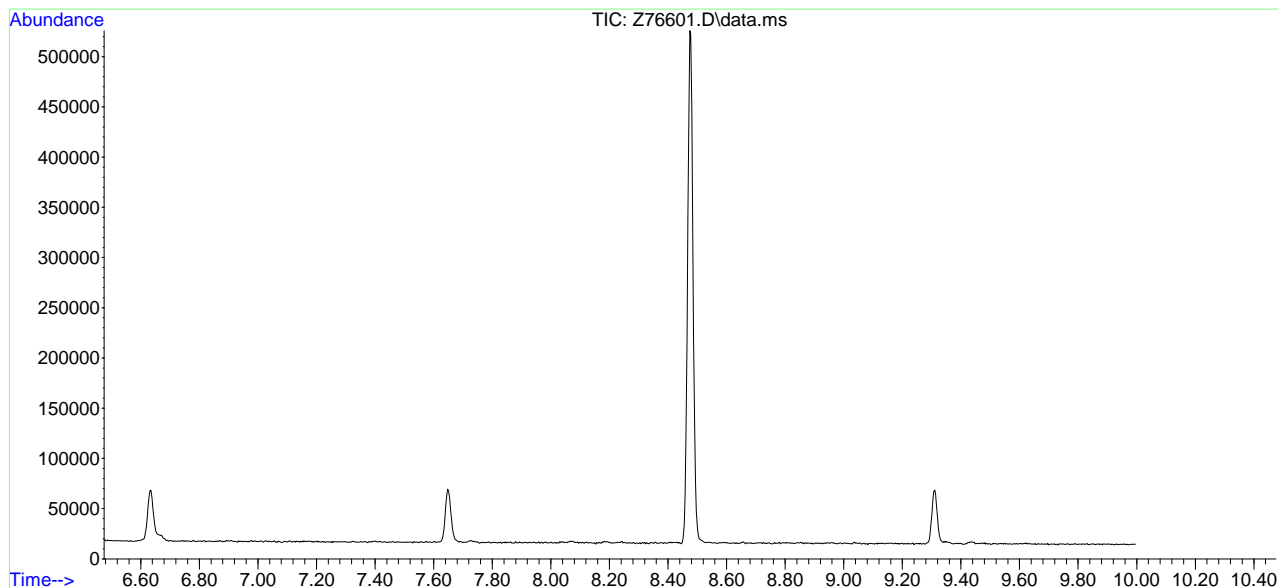
Misc : MS57344,VZ3084,,,,,

Multiplr: 1.00

MS Integration Params: micro.p

Method : C:\msdchem\1\met...MCL-08-28-2024.M (RTE Integrator)

Title : Standard Methods 6200B



AutoFind: Scans 1488, 1489, 1490; Background Corrected with Scan 1477

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
95	95	100	100	100.0	102783	PASS
96	95	5	9	7.1	7256	PASS
173	174	0.00	2	0.6	537	PASS
174	95	50	200	82.0	84304	PASS
175	174	5	9	7.3	6173	PASS
176	174	95	105	98.1	82709	PASS
177	176	5	10	6.9	5685	PASS



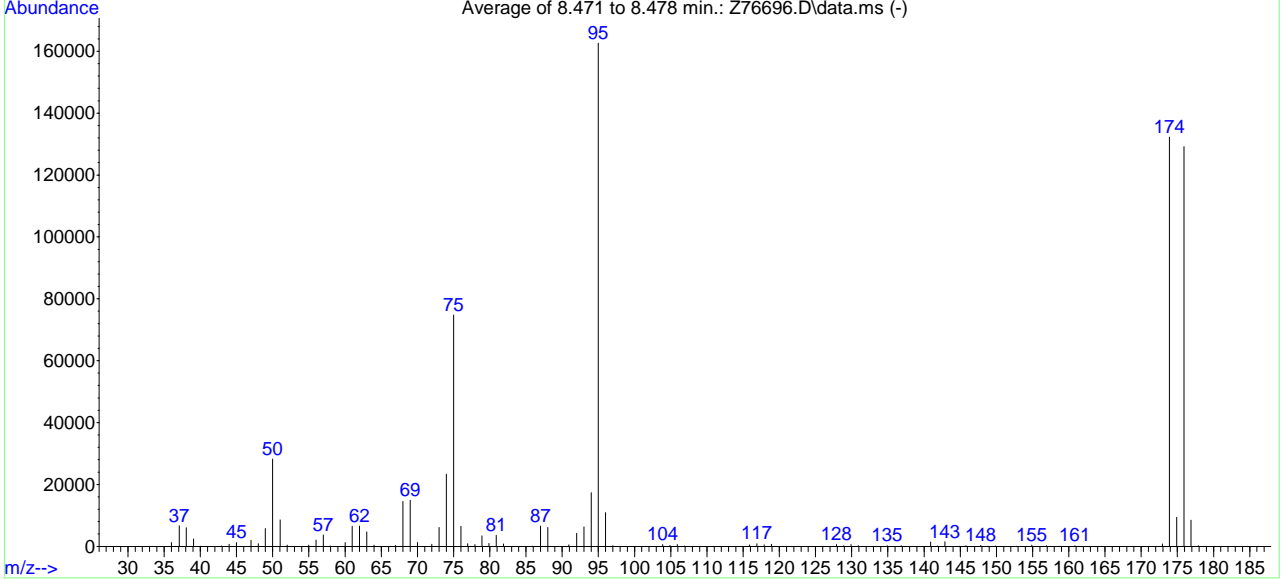
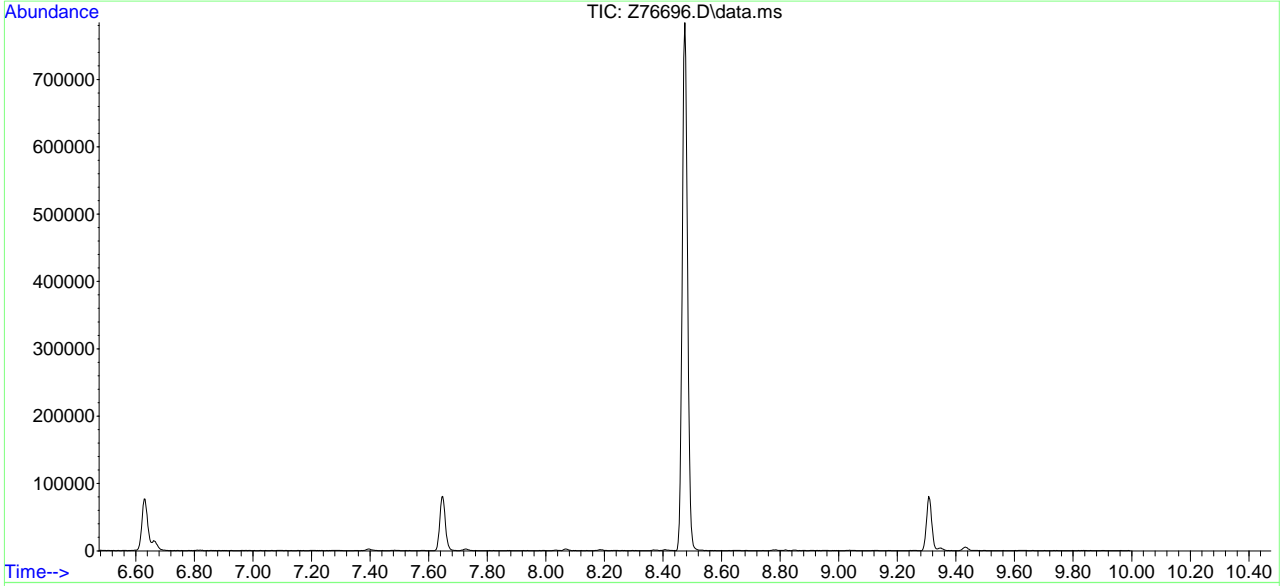
7.5.1
7

Methods: SW-846 8260B

Data File : C:\msdchem\1\data\090324\Z76696.D
 Acq On : 3 Sep 2024 7:02 am
 Sample : bfb
 Misc : MS57383,VZ3088,,,,,
 MS Integration Params: micro.p

Vial: 1
 Operator: claudias
 Inst : MSVOA15-Z
 Multiplr: 1.00

Method : C:\msdchem\1\met...MCL-08-28-2024.M (RTE Integrator)
 Title : Standard Methods 6200B



AutoFind: Scans 1488, 1489, 1490; Background Corrected with Scan 1477

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
95	95	100	100	100.0	162603	PASS
96	95	5	9	6.7	10903	PASS
173	174	0.00	2	0.6	747	PASS
174	95	50	200	81.4	132331	PASS
175	174	5	9	7.1	9411	PASS
176	174	95	105	97.7	129253	PASS
177	176	5	10	6.6	8516	PASS



7.5.2
7

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\082824\
 Data File : Z76603.D
 Acq On : 28 Aug 2024 8:29 am
 Operator : claudias
 Sample : IC3084-1 Inst : MSVOA15-Z
 Misc : MS57344,VZ3084,,,,,
 ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 28 09:43:35 2024
 Quant Method : C:\msdchem\1\methods\SIMCL-08-26-2024.M
 Quant Title : Standard Methods 6200B
 QLast Update : Mon Aug 26 13:08:06 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Fluorobenzene	7.895	96	16248	5.00	ug/L	0.00
18) Chlorobenzene-d5	10.980	117	17016	5.00	ug/L	0.00
System Monitoring Compounds						
13) 1,2-Dichloroethane-d4	7.628	65	4890	3.51	ug/L	0.00
Spiked Amount	5.000	Range 74 - 125	Recovery	=	70.20%#	
19) Toluene-d8	9.428	98	19188	6.95	ug/L	0.00
Spiked Amount	5.000	Range 88 - 111	Recovery	=	139.00%#	
Target Compounds						
						Qvalue
2) Vinyl Chloride	3.192	62	1003	0.52	ug/L	# 40
3) Chloromethane	3.133	50	820	0.32	ug/L	99
4) 1,1-Dichloroethene	4.570	61	285	0.11	ug/L	97
5) Methylene Chloride	5.213	49	2791	0.80	ug/L	96
6) trans-1,2-Dichloroethene	5.395	61	244	0.10	ug/L	94
7) 1,1-Dichloroethane	6.065	63	301	0.09	ug/L	97
8) cis-1,2-Dichloroethene	6.625	96	214	0.12	ug/L	95
9) Chloroform	6.883	83	360m	0.10	ug/L	
10) Carbon Tetrachloride	7.051	117	298m	0.11	ug/L	
11) 1,1,1-Trichloroethane	7.126	97	371m	0.13	ug/L	
12) Benzene	7.499	78	611	0.12	ug/L	93
14) 1,2-Dichloroethane	7.696	62	231	0.09	ug/L	95
15) Trichloroethene	8.066	95	180	0.12	ug/L	93
16) 1,2-Dichloropropane	8.588	63	166	0.11	ug/L	89
17) cis-1,3-Dichloropropene	9.246	75	272	0.20	ug/L	87
20) trans-1,3-Dichloropropene	9.880	75	273	0.25	ug/L	92
21) Tetrachloroethene	9.874	166	229	0.16	ug/L	# 92
22) 1,4-Dichlorobenzene	13.274	146	499	0.16	ug/L	95
23) 1,2-Dibromo-3-Chloropr...	14.517	75	94m	0.33	ug/L	

(#) = qualifier out of range (m) = manual integration (+) = signals summed

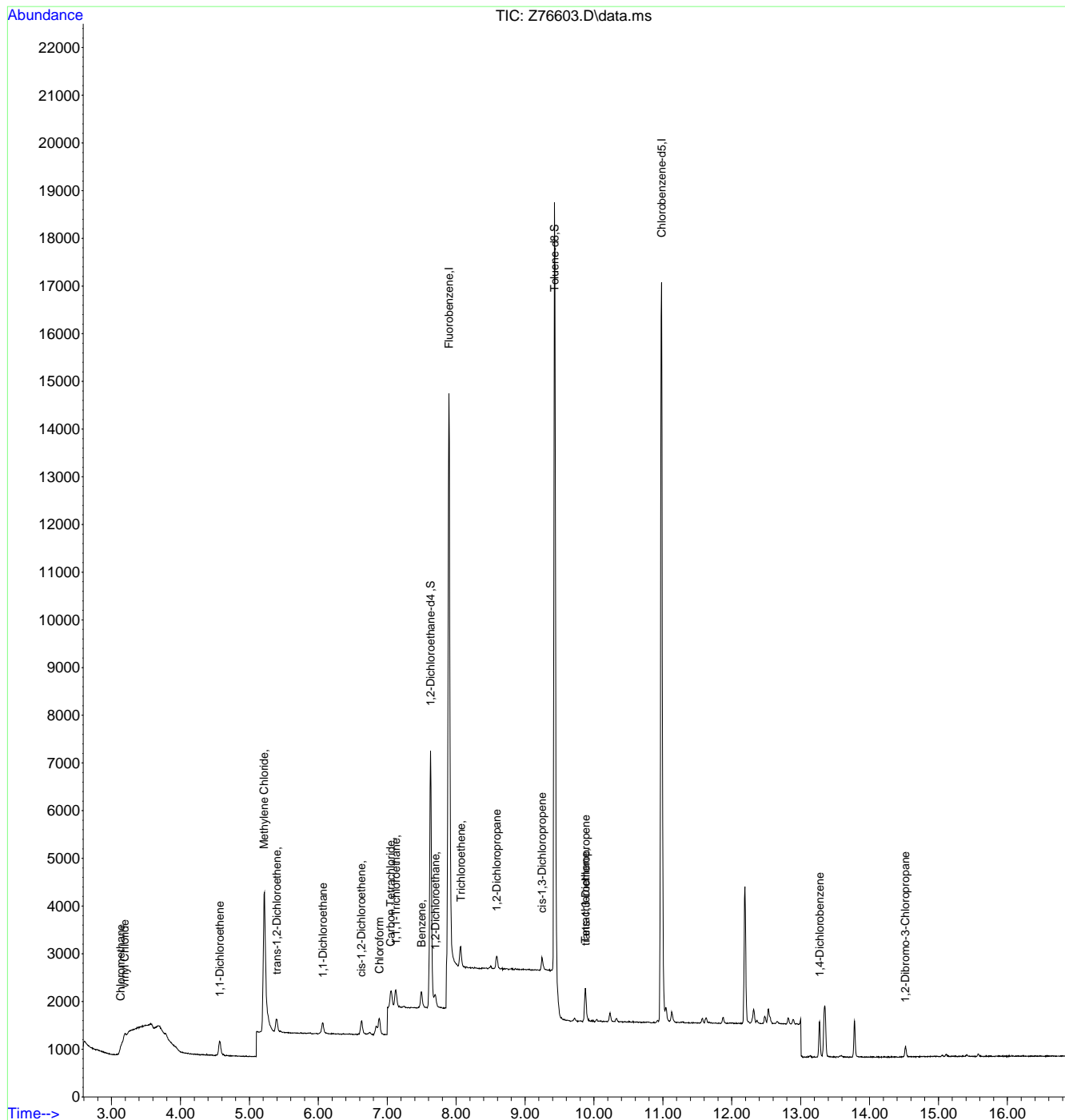
7.6.1
7



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\082824\
 Data File : Z76603.D
 Acq On : 28 Aug 2024 8:29 am
 Operator : claudias
 Sample : IC3084-1
 Misc : MS57344,VZ3084,,,,,
 ALS Vial : 3 Sample Multiplier: 1
 Inst : MSVOA15-Z

Quant Time: Aug 28 09:43:35 2024
 Quant Method : C:\msdchem\1\methods\SIMCL-08-26-2024.M
 Quant Title : Standard Methods 6200B
 QLast Update : Mon Aug 26 13:08:06 2024
 Response via : Initial Calibration



7.6.1
7



Manual Integration Approval Summary

Sample Number: VZ3084-IC3084 **Method:** SW846 8260D BY SIM
Lab FileID: Z76603.D **Analyst approved:** 08/28/24 12:42 Claudia Sosa
Injection Time: 08/28/24 08:29 **Supervisor approved:** 08/28/24 14:42 Karen Watson

Parameter	CAS	Sig#	R.T. (min.)	Reason
Chloroform	67-66-3		6.88	Poor instrument integration
Carbon Tetrachloride	56-23-5		7.05	Poor instrument integration
1,1,1-Trichloroethane	71-55-6		7.13	Poor instrument integration
1,2-Dibromo-3-chloropropane	96-12-8		14.52	Missed peak

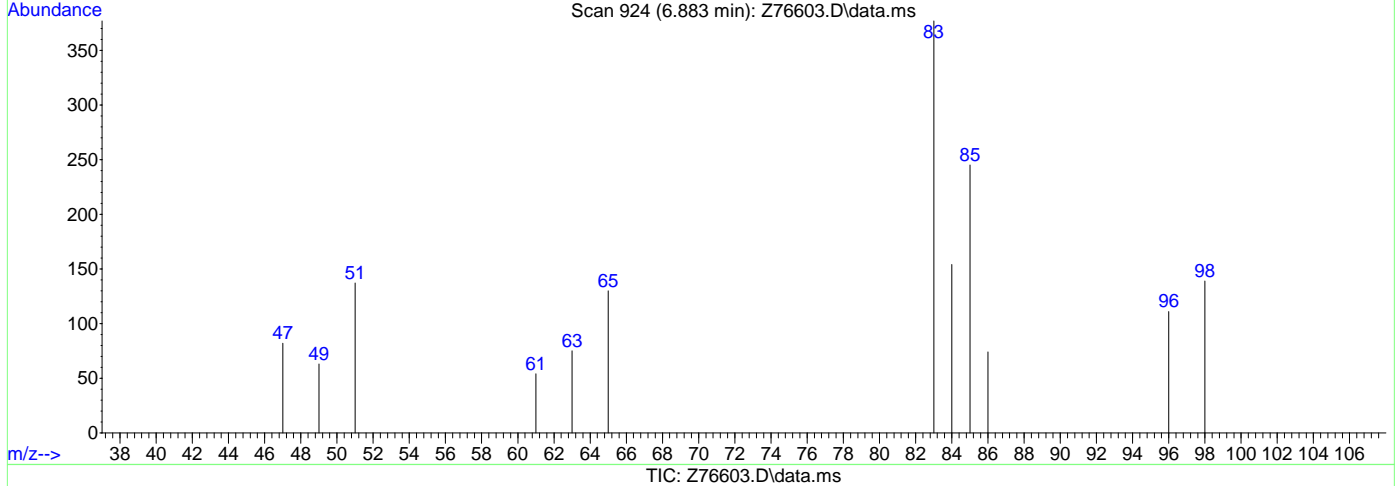
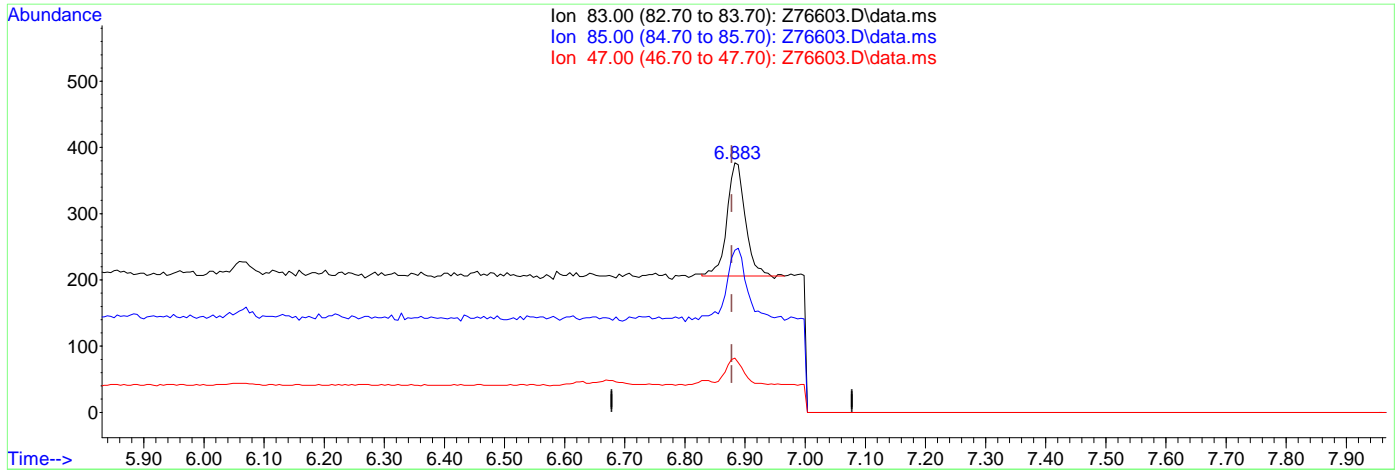
7.6.1.1
7

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\082824\
 Data File : Z76603.D
 Acq On : 28 Aug 2024 8:29 am
 Operator : claudias
 Sample : IC3084-1
 Misc : MS57344,VZ3084,,,,,
 ALS Vial : 3 Sample Multiplier: 1

Inst : MSVOA15-Z

Quant Time: Aug 28 09:43:35 2024
 Quant Method : C:\msdchem\1\methods\SIMCL-08-26-2024.M
 Quant Title : Standard Methods 6200B
 QLast Update : Mon Aug 26 13:08:06 2024
 Response via : Initial Calibration



(9) Chloroform

6.883min (+0.005) 0.10ug/L m

response 360

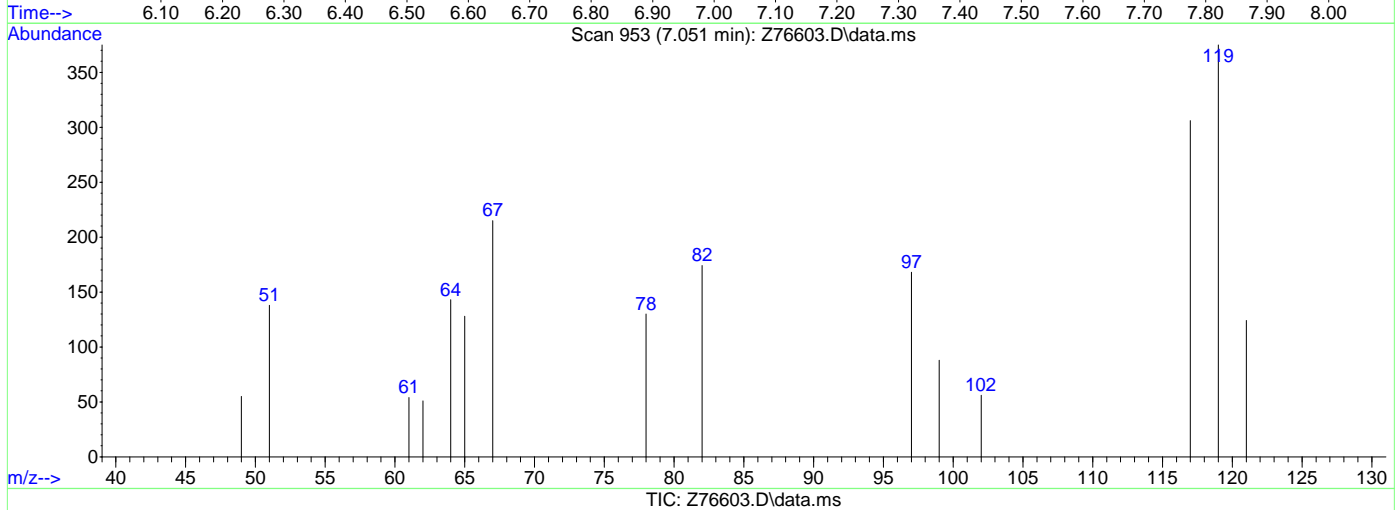
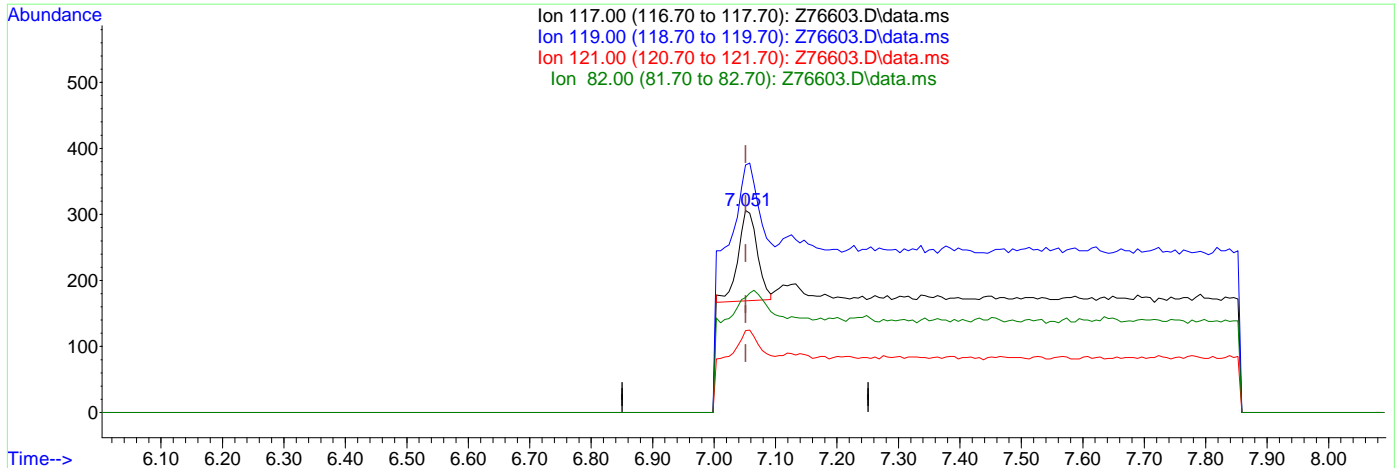
Ion	Exp%	Act%
83.00	100	100
85.00	65.90	64.99
47.00	21.00	21.75
0.00	0.00	0.00

7.6.1.2
7

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\082824\
 Data File : Z76603.D
 Acq On : 28 Aug 2024 8:29 am
 Operator : claudias
 Sample : IC3084-1
 Misc : MS57344,VZ3084,,,,,
 ALS Vial : 3 Sample Multiplier: 1
 Inst : MSVOA15-Z

Quant Time: Aug 28 09:43:35 2024
 Quant Method : C:\msdchem\1\methods\SIMCL-08-26-2024.M
 Quant Title : Standard Methods 6200B
 QLast Update : Mon Aug 26 13:08:06 2024
 Response via : Initial Calibration



(10) Carbon Tetrachloride ()

7.051min (+0.000) 0.11ug/L m

response 298

Ion	Exp%	Act%
117.00	100	100
119.00	96.20	122.55
121.00	31.20	40.52
82.00	20.80	56.86#

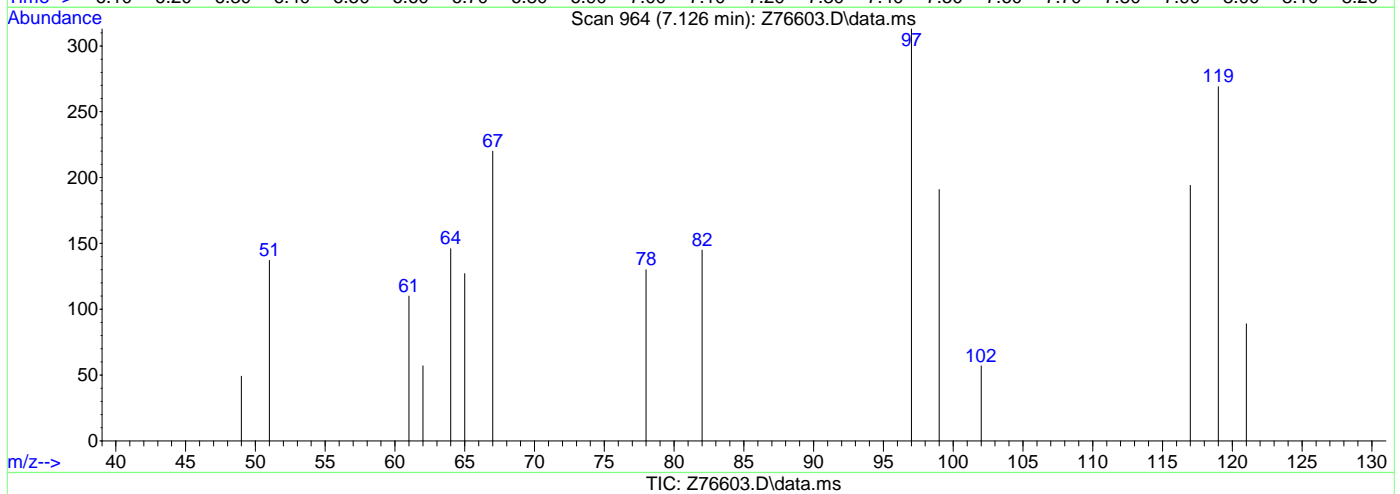
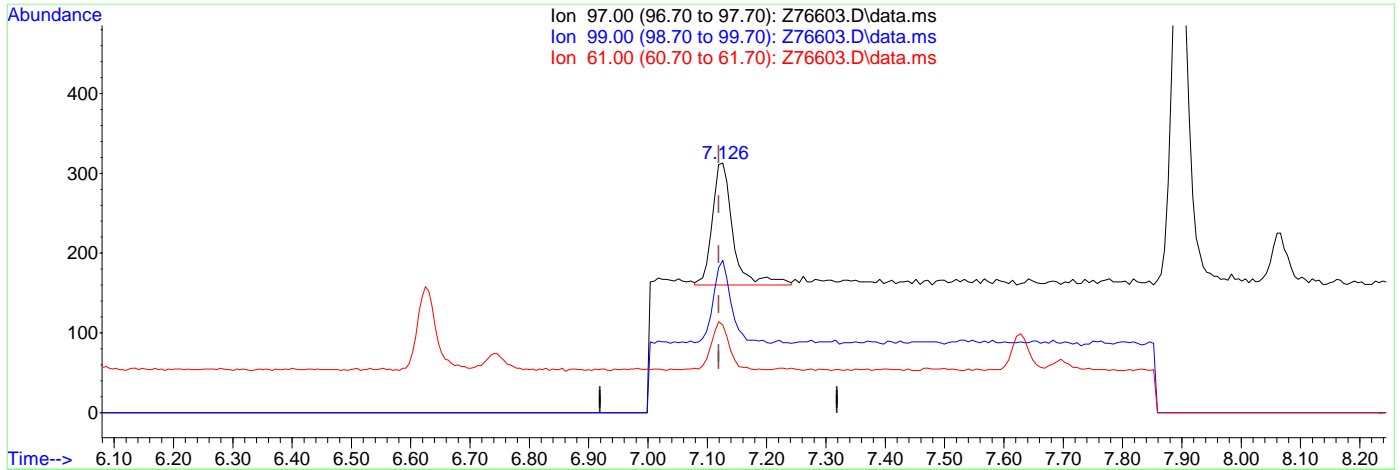
7.6.1.3
7

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\082824\
 Data File : Z76603.D
 Acq On : 28 Aug 2024 8:29 am
 Operator : claudias
 Sample : IC3084-1
 Misc : MS57344,VZ3084,,,,,
 ALS Vial : 3 Sample Multiplier: 1

Inst : MSVOA15-Z

Quant Time: Aug 28 09:43:35 2024
 Quant Method : C:\msdchem\1\methods\SIMCL-08-26-2024.M
 Quant Title : Standard Methods 6200B
 QLast Update : Mon Aug 26 13:08:06 2024
 Response via : Initial Calibration



(11) 1,1,1-Trichloroethane ()

7.126min (+0.007) 0.13ug/L m

response 371

Ion	Exp%	Act%
97.00	100	100
99.00	64.80	61.02
61.00	33.90	35.14
0.00	0.00	0.00

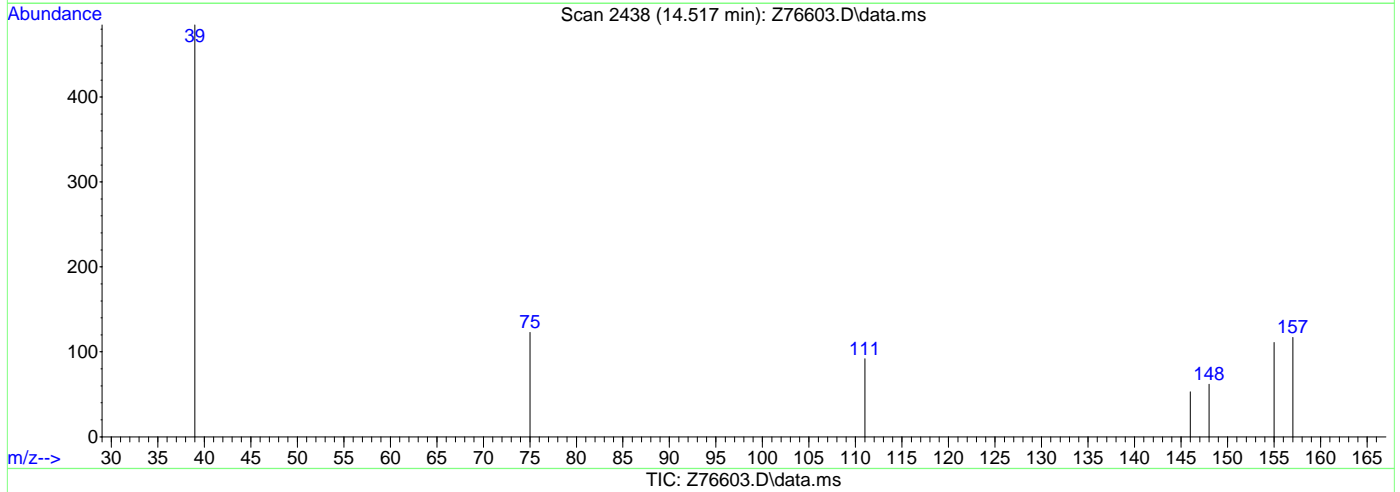
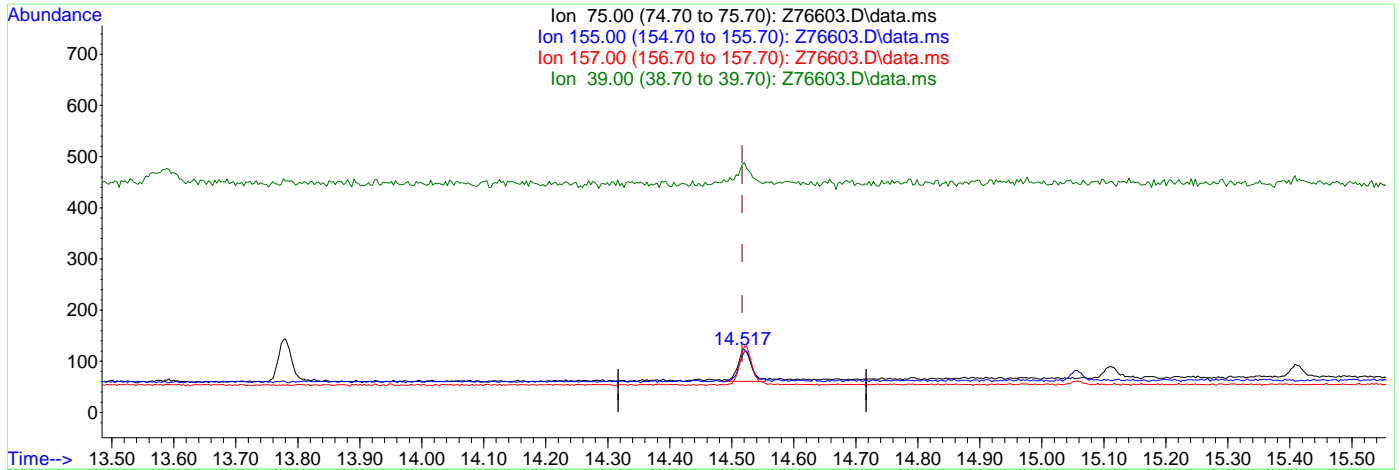
7.6.1.4
7

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\082824\
 Data File : Z76603.D
 Acq On : 28 Aug 2024 8:29 am
 Operator : claudias
 Sample : IC3084-1
 Misc : MS57344,VZ3084,,,,,
 ALS Vial : 3 Sample Multiplier: 1

Inst : MSVOA15-Z

Quant Time: Aug 28 09:43:35 2024
 Quant Method : C:\msdchem\1\methods\SIMCL-08-26-2024.M
 Quant Title : Standard Methods 6200B
 QLast Update : Mon Aug 26 13:08:06 2024
 Response via : Initial Calibration



(23) 1,2-Dibromo-3-Chloropropane

14.517min (+0.000) 0.33ug/L m

response 94

Ion	Exp%	Act%
75.00	100	100
155.00	116.30	90.24
157.00	149.10	95.12#
39.00	55.20	394.31#



7.6.1.5
7

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\082824\
 Data File : Z76604.D
 Acq On : 28 Aug 2024 8:51 am
 Operator : claudias
 Sample : IC3084-2 Inst : MSVOA15-Z
 Misc : MS57344,VZ3084,,,,,
 ALS Vial : 4 Sample Multiplier: 1

Quant Time: Aug 28 09:15:52 2024
 Quant Method : C:\msdchem\1\methods\SIMCL-08-26-2024.M
 Quant Title : Standard Methods 6200B
 QLast Update : Mon Aug 26 13:08:06 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	

Internal Standards							
1) Fluorobenzene	7.894	96	16712	5.00	ug/L	0.00	
18) Chlorobenzene-d5	10.980	117	17424	5.00	ug/L	0.00	
System Monitoring Compounds							
13) 1,2-Dichloroethane-d4	7.628	65	5206	3.64	ug/L	0.00	
Spiked Amount	5.000	Range 74 - 125	Recovery	=	72.80%#		
19) Toluene-d8	9.428	98	19524	6.91	ug/L	0.00	
Spiked Amount	5.000	Range 88 - 111	Recovery	=	138.20%#		
Target Compounds							
							Qvalue
2) Vinyl Chloride	3.188	62	1692	0.85	ug/L		78
3) Chloromethane	3.133	50	1602	0.60	ug/L		97
4) 1,1-Dichloroethene	4.566	61	1109	0.42	ug/L		97
5) Methylene Chloride	5.213	49	3660	1.03	ug/L		96
6) trans-1,2-Dichloroethene	5.389	61	1014	0.39	ug/L		96
7) 1,1-Dichloroethane	6.059	63	1316	0.37	ug/L		99
8) cis-1,2-Dichloroethene	6.625	96	781	0.44	ug/L		94
9) Chloroform	6.883	83	1378m	0.36	ug/L		
10) Carbon Tetrachloride	7.058	117	1171m	0.44	ug/L		
11) 1,1,1-Trichloroethane	7.126	97	1268m	0.43	ug/L		
12) Benzene	7.492	78	2431	0.46	ug/L		96
14) 1,2-Dichloroethane	7.696	62	922	0.36	ug/L		95
15) Trichloroethene	8.060	95	670	0.43	ug/L		92
16) 1,2-Dichloropropane	8.588	63	652	0.42	ug/L		93
17) cis-1,3-Dichloropropene	9.246	75	997	0.70	ug/L		94
20) trans-1,3-Dichloropropene	9.874	75	890	0.79	ug/L		95
21) Tetrachloroethene	9.874	166	751	0.53	ug/L #		94
22) 1,4-Dichlorobenzene	13.354	146	1489	0.45	ug/L		87
23) 1,2-Dibromo-3-Chloropr...	14.520	75	224m	0.77	ug/L		

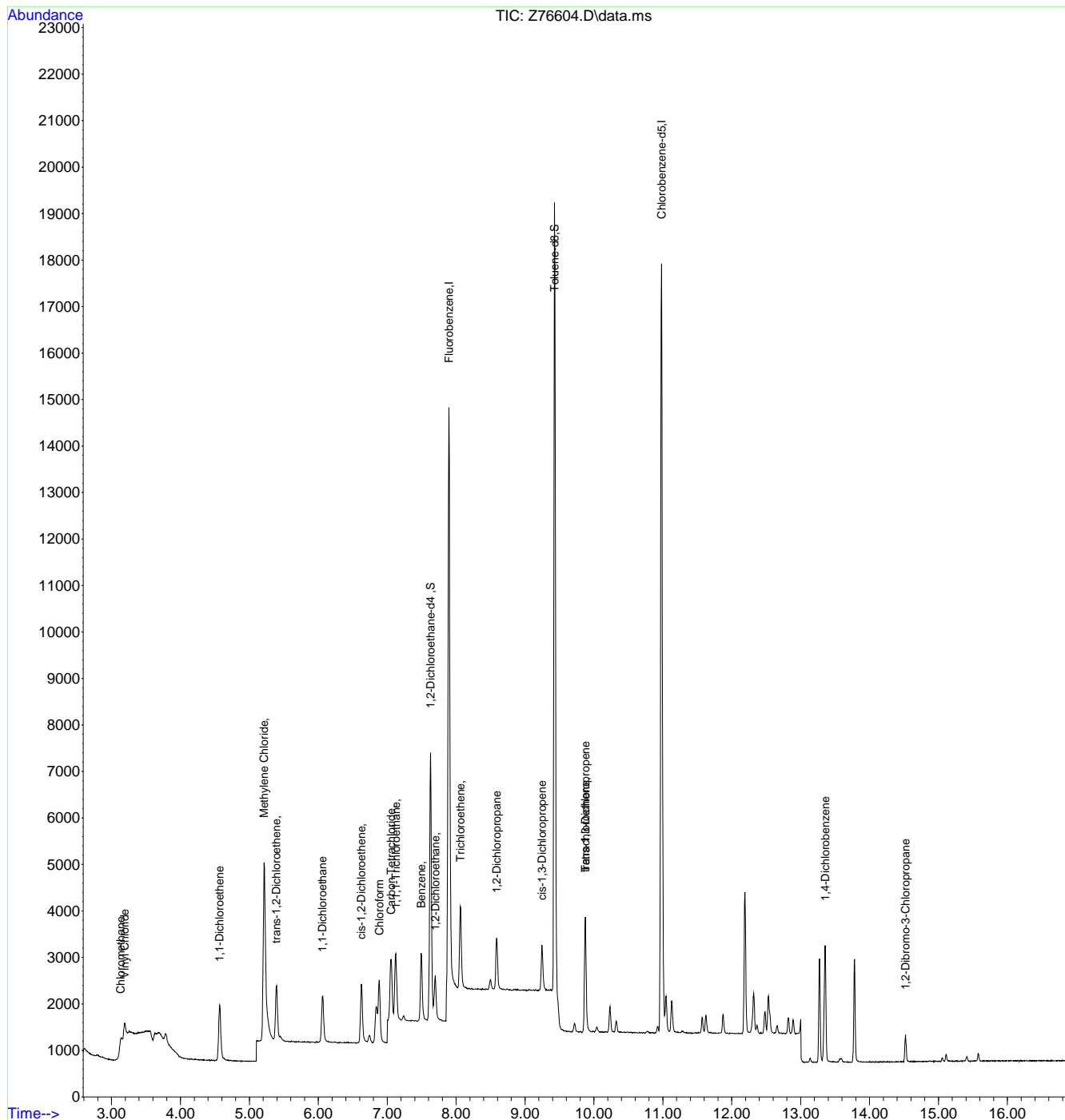
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\082824\
 Data File : Z76604.D
 Acq On : 28 Aug 2024 8:51 am
 Operator : claudias
 Sample : IC3084-2
 Misc : MS57344,VZ3084,,,,,
 ALS Vial : 4 Sample Multiplier: 1

Inst : MSVOA15-Z

Quant Time: Aug 28 09:15:52 2024
 Quant Method : C:\msdchem\1\methods\SIMCL-08-26-2024.M
 Quant Title : Standard Methods 6200B
 QLast Update : Mon Aug 26 13:08:06 2024
 Response via : Initial Calibration



7.6.2
7



Manual Integration Approval Summary

Sample Number: VZ3084-IC3084 **Method:** SW846 8260D BY SIM
Lab FileID: Z76604.D **Analyst approved:** 08/28/24 12:42 Claudia Sosa
Injection Time: 08/28/24 08:51 **Supervisor approved:** 08/28/24 14:42 Karen Watson

Parameter	CAS	Sig#	R.T. (min.)	Reason
Chloroform	67-66-3		6.88	Poor instrument integration
Carbon Tetrachloride	56-23-5		7.06	Poor instrument integration
1,1,1-Trichloroethane	71-55-6		7.13	Poor instrument integration
1,2-Dibromo-3-chloropropane	96-12-8		14.52	Missed peak

7.6.2.1

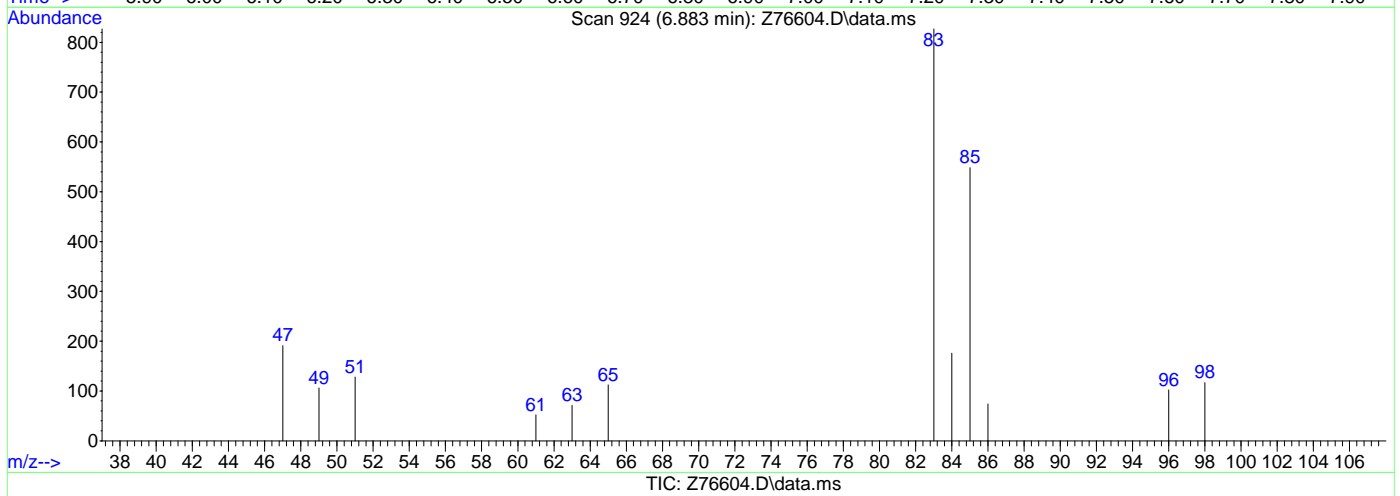
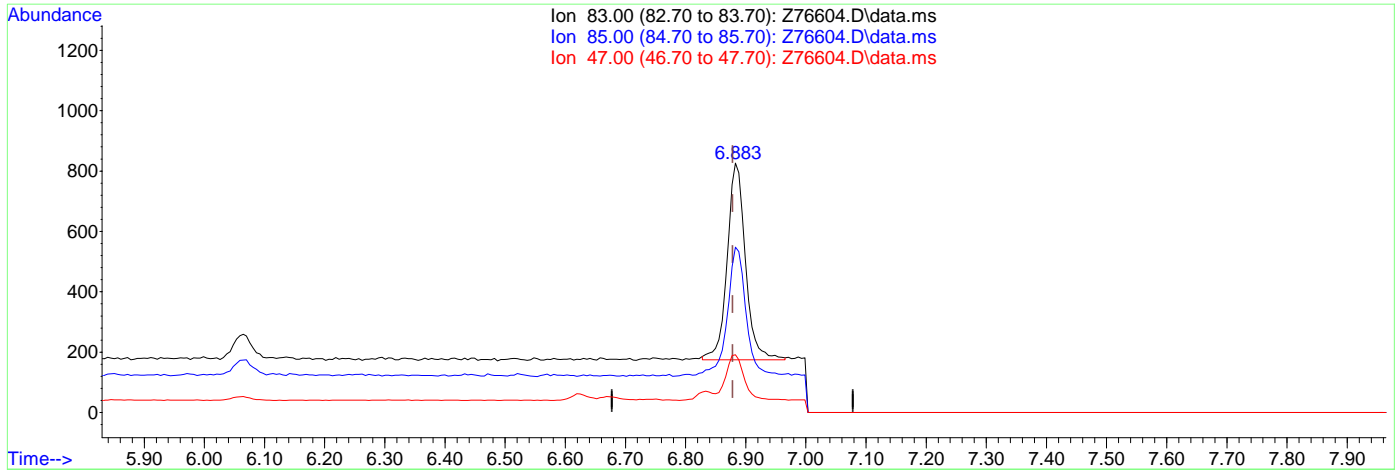
7

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\082824\
 Data File : Z76604.D
 Acq On : 28 Aug 2024 8:51 am
 Operator : claudias
 Sample : IC3084-2
 Misc : MS57344,VZ3084,,,,,
 ALS Vial : 4 Sample Multiplier: 1

Inst : MSVOA15-Z

Quant Time: Aug 28 09:15:52 2024
 Quant Method : C:\msdchem\1\methods\SIMCL-08-26-2024.M
 Quant Title : Standard Methods 6200B
 QLast Update : Mon Aug 26 13:08:06 2024
 Response via : Initial Calibration



(9) Chloroform
 6.883min (+0.005) 0.36ug/L m

response 1378

Ion	Exp%	Act%
83.00	100	100
85.00	65.90	66.26
47.00	21.00	23.10
0.00	0.00	0.00

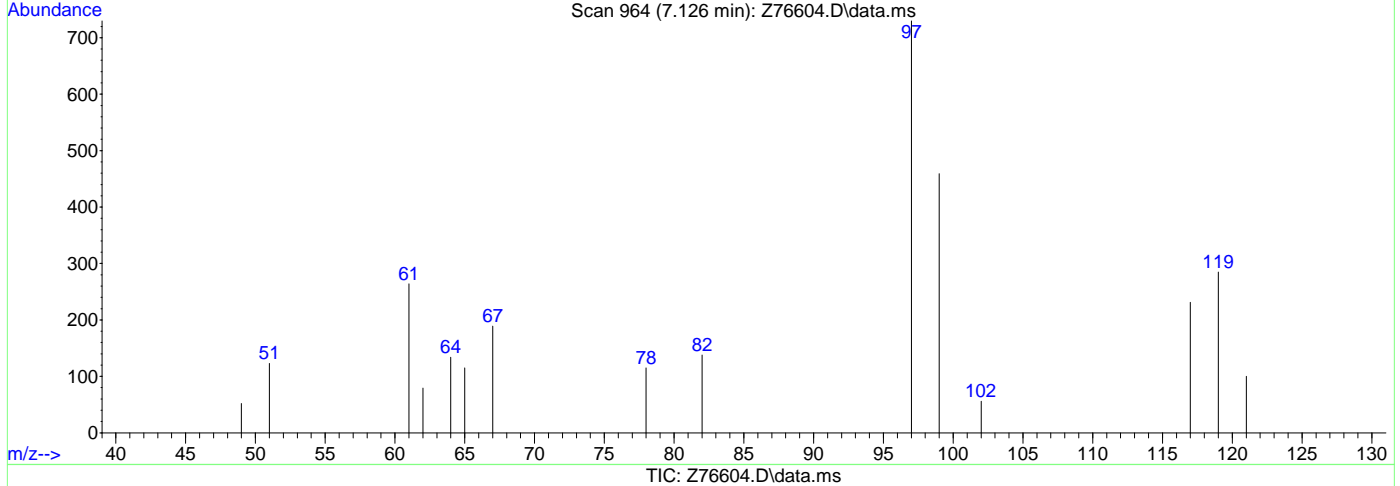
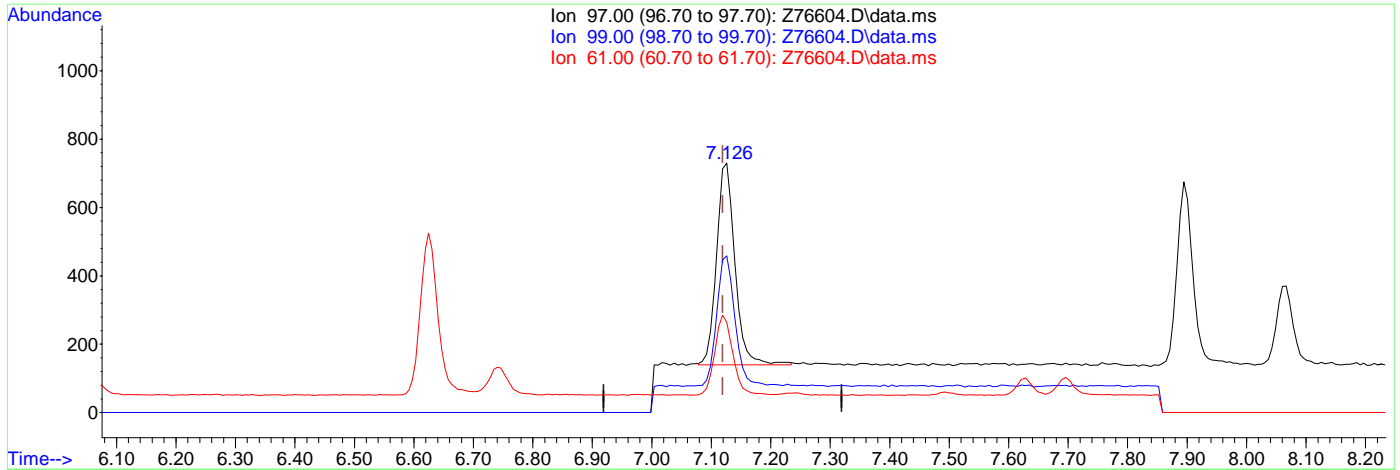
7.6.2.2
7

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\082824\
 Data File : Z76604.D
 Acq On : 28 Aug 2024 8:51 am
 Operator : claudias
 Sample : IC3084-2
 Misc : MS57344,VZ3084,,,,,
 ALS Vial : 4 Sample Multiplier: 1

Inst : MSVOA15-Z

Quant Time: Aug 28 09:15:52 2024
 Quant Method : C:\msdchem\1\methods\SIMCL-08-26-2024.M
 Quant Title : Standard Methods 6200B
 QLast Update : Mon Aug 26 13:08:06 2024
 Response via : Initial Calibration



(11) 1,1,1-Trichloroethane ()

7.126min (+0.007) 0.43ug/L m

response 1268

Ion	Exp%	Act%
97.00	100	100
99.00	64.80	62.88
61.00	33.90	36.16
0.00	0.00	0.00

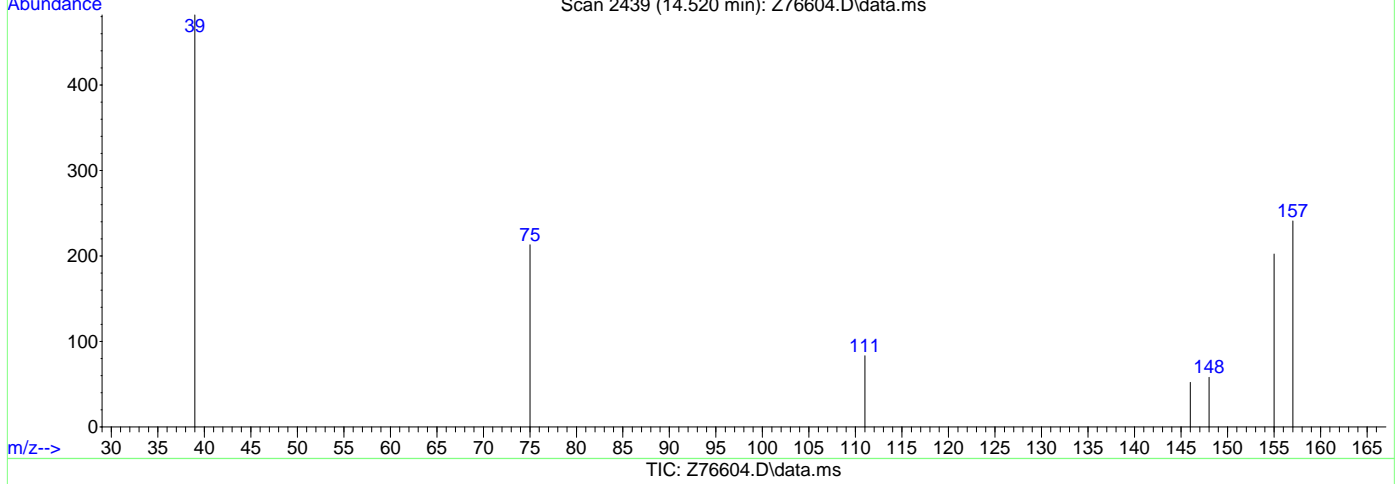
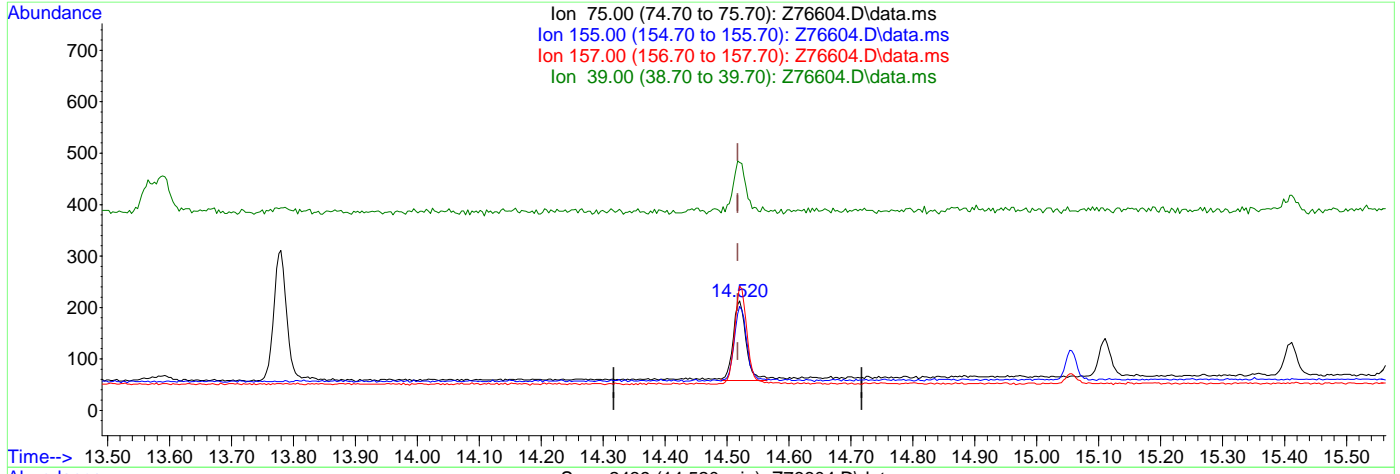
7.6.2.3
7

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\082824\
 Data File : Z76604.D
 Acq On : 28 Aug 2024 8:51 am
 Operator : claudias
 Sample : IC3084-2
 Misc : MS57344,VZ3084,,,,,
 ALS Vial : 4 Sample Multiplier: 1

Inst : MSVOA15-Z

Quant Time: Aug 28 09:15:52 2024
 Quant Method : C:\msdchem\1\methods\SIMCL-08-26-2024.M
 Quant Title : Standard Methods 6200B
 QLast Update : Mon Aug 26 13:08:06 2024
 Response via : Initial Calibration



(23) 1,2-Dibromo-3-Chloropropane

14.520min (+0.003) 0.77ug/L m

response 224

Ion	Exp%	Act%
75.00	100	100
155.00	116.30	94.84
157.00	149.10	113.15#
39.00	55.20	226.29#

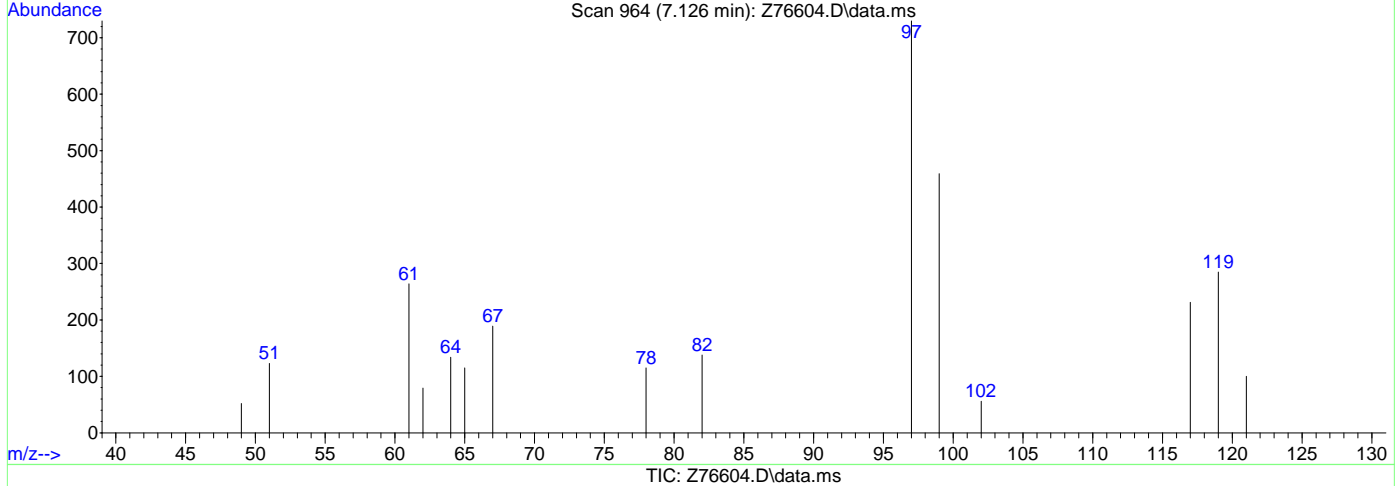
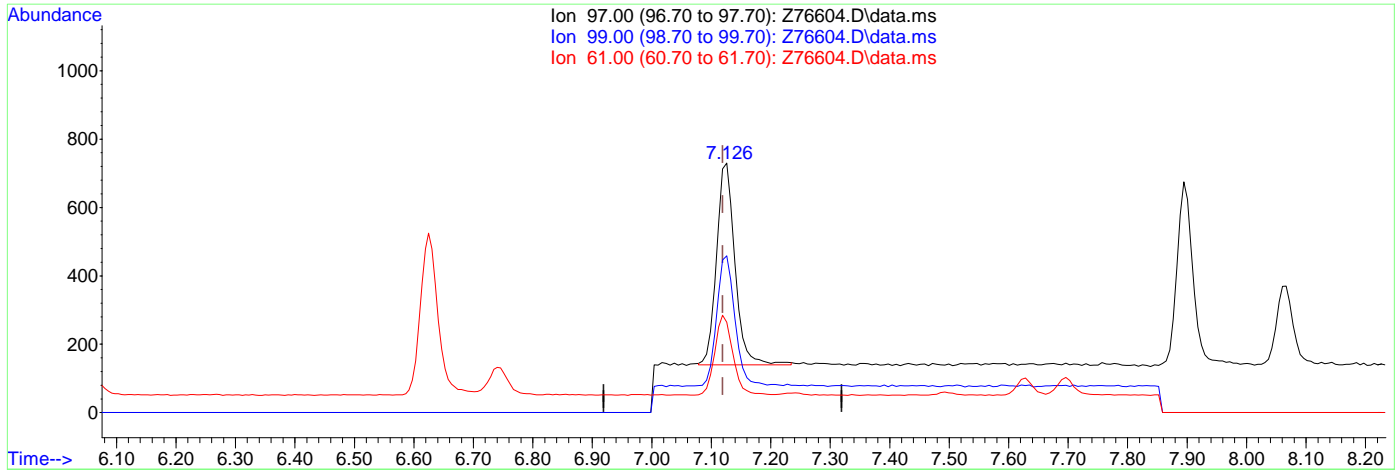
7.6.2.4
7

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\082824\
 Data File : Z76604.D
 Acq On : 28 Aug 2024 8:51 am
 Operator : claudias
 Sample : IC3084-2
 Misc : MS57344,VZ3084,,,,,
 ALS Vial : 4 Sample Multiplier: 1

Inst : MSVOA15-Z

Quant Time: Aug 28 09:15:52 2024
 Quant Method : C:\msdchem\1\methods\SIMCL-08-26-2024.M
 Quant Title : Standard Methods 6200B
 QLast Update : Mon Aug 26 13:08:06 2024
 Response via : Initial Calibration



(11) 1,1,1-Trichloroethane ()

7.126min (+0.007) 0.43ug/L m

response 1268

Ion	Exp%	Act%
97.00	100	100
99.00	64.80	62.88
61.00	33.90	36.16
0.00	0.00	0.00

7.6.2.5
7

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\082824\
 Data File : Z76605.D
 Acq On : 28 Aug 2024 9:24 am
 Operator : claudias
 Sample : IC3084-3 Inst : MSVOA15-Z
 Misc : MS57344,VZ3084,,,,,
 ALS Vial : 5 Sample Multiplier: 1

Quant Time: Aug 28 09:44:27 2024
 Quant Method : C:\msdchem\1\methods\SIMCL-08-26-2024.M
 Quant Title : Standard Methods 6200B
 QLast Update : Mon Aug 26 13:08:06 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	

Internal Standards							
1) Fluorobenzene	7.895	96	17109	5.00	ug/L	0.00	
18) Chlorobenzene-d5	10.975	117	18056	5.00	ug/L	0.00	
System Monitoring Compounds							
13) 1,2-Dichloroethane-d4	7.621	65	5580	3.81	ug/L	0.00	
Spiked Amount	5.000	Range 74 - 125	Recovery	=	76.20%		
19) Toluene-d8	9.428	98	20074	6.85	ug/L	0.00	
Spiked Amount	5.000	Range 88 - 111	Recovery	=	137.00%#		
Target Compounds							
							Qvalue
2) Vinyl Chloride	3.184	62	3807	1.87	ug/L		95
3) Chloromethane	3.129	50	4138	1.52	ug/L		98
4) 1,1-Dichloroethene	4.562	61	4077	1.51	ug/L		98
5) Methylene Chloride	5.208	49	6955	1.94	ug/L		96
6) trans-1,2-Dichloroethene	5.384	61	3886	1.48	ug/L		95
7) 1,1-Dichloroethane	6.059	63	5059	1.42	ug/L		100
8) cis-1,2-Dichloroethene	6.625	96	3101	1.72	ug/L		99
9) Chloroform	6.878	83	7182	1.85	ug/L		97
10) Carbon Tetrachloride	7.051	117	4748	1.76	ug/L		96
11) 1,1,1-Trichloroethane	7.119	97	5278	1.76	ug/L		97
12) Benzene	7.493	78	9612	1.78	ug/L		94
14) 1,2-Dichloroethane	7.689	62	3720	1.42	ug/L		94
15) Trichloroethene	8.061	95	2673	1.67	ug/L		93
16) 1,2-Dichloropropane	8.582	63	2618	1.66	ug/L		92
17) cis-1,3-Dichloropropene	9.240	75	4076	2.73	ug/L		91
20) trans-1,3-Dichloropropene	9.874	75	3710	3.00	ug/L		94
21) Tetrachloroethene	9.869	166	2773	1.87	ug/L #		91
22) 1,4-Dichlorobenzene	13.354	146	6062	1.78	ug/L		92
23) 1,2-Dibromo-3-Chloropr...	14.521	75	827	2.74	ug/L		83

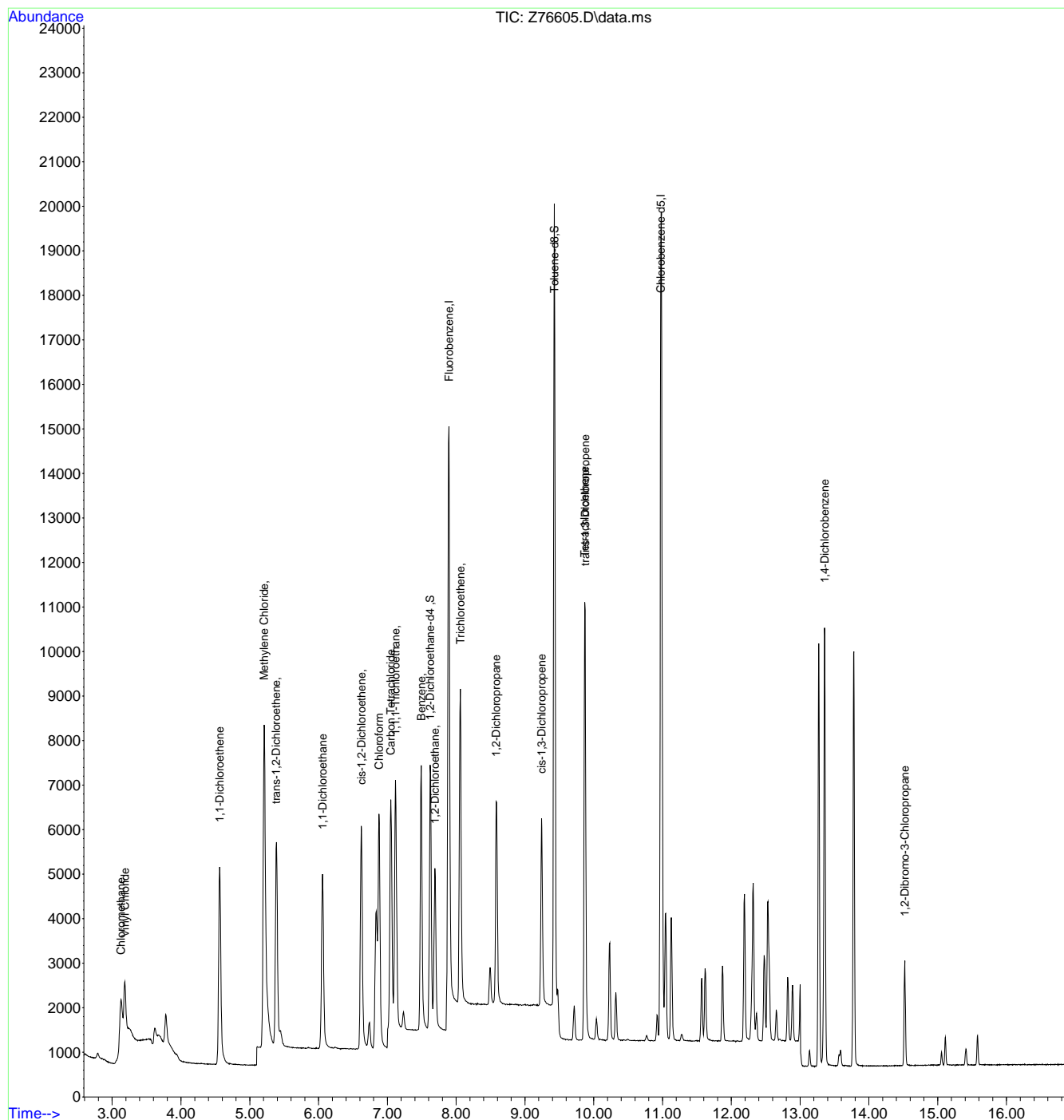
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\082824\
 Data File : Z76605.D
 Acq On : 28 Aug 2024 9:24 am
 Operator : claudias
 Sample : IC3084-3
 Misc : MS57344,VZ3084,,,,,
 ALS Vial : 5 Sample Multiplier: 1

Inst : MSVOA15-Z

Quant Time: Aug 28 09:44:27 2024
 Quant Method : C:\msdchem\1\methods\SIMCL-08-26-2024.M
 Quant Title : Standard Methods 6200B
 QLast Update : Mon Aug 26 13:08:06 2024
 Response via : Initial Calibration



7.6.3
7



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\082824\
 Data File : Z76606.D
 Acq On : 28 Aug 2024 9:47 am
 Operator : claudias
 Sample : IC3084-4 Inst : MSVOA15-Z
 Misc : MS57344,VZ3084,,,,,
 ALS Vial : 6 Sample Multiplier: 1

Quant Time: Aug 28 10:16:43 2024
 Quant Method : C:\msdchem\1\methods\SIMCL-08-26-2024.M
 Quant Title : Standard Methods 6200B
 QLast Update : Mon Aug 26 13:08:06 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	

Internal Standards							
1) Fluorobenzene	7.895	96	17386	5.00	ug/L	0.00	
18) Chlorobenzene-d5	10.980	117	18190	5.00	ug/L	0.00	
System Monitoring Compounds							
13) 1,2-Dichloroethane-d4	7.628	65	5389	3.62	ug/L	0.00	
Spiked Amount	5.000	Range 74 - 125	Recovery	=	72.40%#		
19) Toluene-d8	9.428	98	20073	6.80	ug/L	0.00	
Spiked Amount	5.000	Range 88 - 111	Recovery	=	136.00%#		
Target Compounds							
							Qvalue
2) Vinyl Chloride	3.192	62	8752	4.23	ug/L		97
3) Chloromethane	3.133	50	9782	3.54	ug/L		98
4) 1,1-Dichloroethene	4.566	61	10002	3.73	ug/L		98
5) Methylene Chloride	5.213	49	12634	3.58	ug/L		97
6) trans-1,2-Dichloroethene	5.389	61	9518	3.63	ug/L		96
7) 1,1-Dichloroethane	6.059	63	12642	3.58	ug/L		100
8) cis-1,2-Dichloroethene	6.625	96	7691	4.28	ug/L		96
9) Chloroform	6.883	83	15084	3.95	ug/L		97
10) Carbon Tetrachloride	7.058	117	10818	4.07	ug/L		98
11) 1,1,1-Trichloroethane	7.126	97	12294	4.15	ug/L		97
12) Benzene	7.493	78	24297	4.49	ug/L		95
14) 1,2-Dichloroethane	7.696	62	9391	3.63	ug/L		95
15) Trichloroethene	8.061	95	6734	4.17	ug/L		92
16) 1,2-Dichloropropane	8.588	63	6797	4.27	ug/L		93
17) cis-1,3-Dichloropropene	9.246	75	10532	6.63	ug/L		96
20) trans-1,3-Dichloropropene	9.874	75	9485	6.99	ug/L		94
21) Tetrachloroethene	9.874	166	6789	4.54	ug/L #		94
22) 1,4-Dichlorobenzene	13.354	146	15890	4.63	ug/L		94
23) 1,2-Dibromo-3-Chloropr...	14.520	75	2147	6.99	ug/L		83

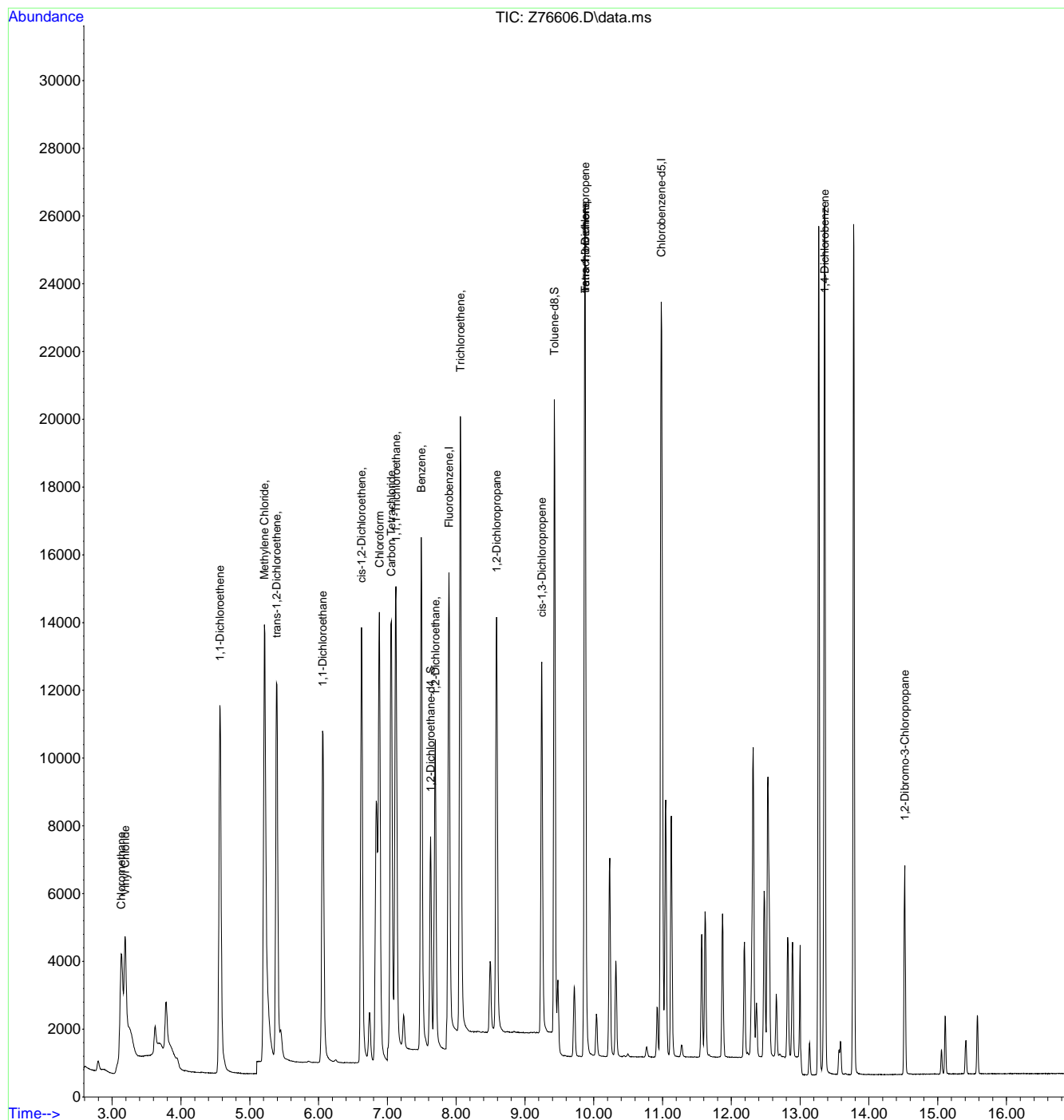
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\082824\
 Data File : Z76606.D
 Acq On : 28 Aug 2024 9:47 am
 Operator : claudias
 Sample : IC3084-4
 Misc : MS57344,VZ3084,,,,,
 ALS Vial : 6 Sample Multiplier: 1

Inst : MSVOA15-Z

Quant Time: Aug 28 10:16:43 2024
 Quant Method : C:\msdchem\1\methods\SIMCL-08-26-2024.M
 Quant Title : Standard Methods 6200B
 QLast Update : Mon Aug 26 13:08:06 2024
 Response via : Initial Calibration



7.6.4
7



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\082824\
 Data File : Z76607.D
 Acq On : 28 Aug 2024 10:10 am
 Operator : claudias
 Sample : ICC3084-5 Inst : MSVOA15-Z
 Misc : MS57344,VZ3084,,,,,
 ALS Vial : 7 Sample Multiplier: 1

Quant Time: Aug 28 10:28:32 2024
 Quant Method : C:\msdchem\1\methods\SIMCL-08-26-2024.M
 Quant Title : Standard Methods 6200B
 QLast Update : Mon Aug 26 13:08:06 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	

Internal Standards							
1) Fluorobenzene	7.894	96	18387	5.00	ug/L	0.00	
18) Chlorobenzene-d5	10.980	117	18425	5.00	ug/L	0.00	
System Monitoring Compounds							
13) 1,2-Dichloroethane-d4	7.628	65	5426	3.44	ug/L	0.00	
Spiked Amount	5.000	Range 74 - 125	Recovery	=	68.80%#		
19) Toluene-d8	9.428	98	20516	6.86	ug/L	0.00	
Spiked Amount	5.000	Range 88 - 111	Recovery	=	137.20%#		
Target Compounds							
							Qvalue
2) Vinyl Chloride	3.188	62	17613	8.06	ug/L		100
3) Chloromethane	3.133	50	20236	6.92	ug/L		98
4) 1,1-Dichloroethene	4.566	61	19367	7.06	ug/L		98
5) Methylene Chloride	5.213	49	22107	6.25	ug/L		96
6) trans-1,2-Dichloroethene	5.389	61	18666	6.95	ug/L		96
7) 1,1-Dichloroethane	6.059	63	24610	6.86	ug/L		100
8) cis-1,2-Dichloroethene	6.625	96	15116	8.15	ug/L		95
9) Chloroform	6.883	83	27829	7.23	ug/L		97
10) Carbon Tetrachloride	7.058	117	20386	7.64	ug/L		98
11) 1,1,1-Trichloroethane	7.126	97	22799	7.57	ug/L		97
12) Benzene	7.492	78	49059	8.72	ug/L		95
14) 1,2-Dichloroethane	7.696	62	18289	6.98	ug/L		95
15) Trichloroethene	8.060	95	13705	8.12	ug/L		92
16) 1,2-Dichloropropane	8.588	63	13638	8.22	ug/L		93
17) cis-1,3-Dichloropropene	9.246	75	21468	12.03	ug/L		96
20) trans-1,3-Dichloropropene	9.874	75	19329	12.60	ug/L		94
21) Tetrachloroethene	9.874	166	13326	8.74	ug/L #		94
22) 1,4-Dichlorobenzene	13.354	146	31554	9.05	ug/L		95
23) 1,2-Dibromo-3-Chloropr...	14.517	75	4029	12.79	ug/L #		77

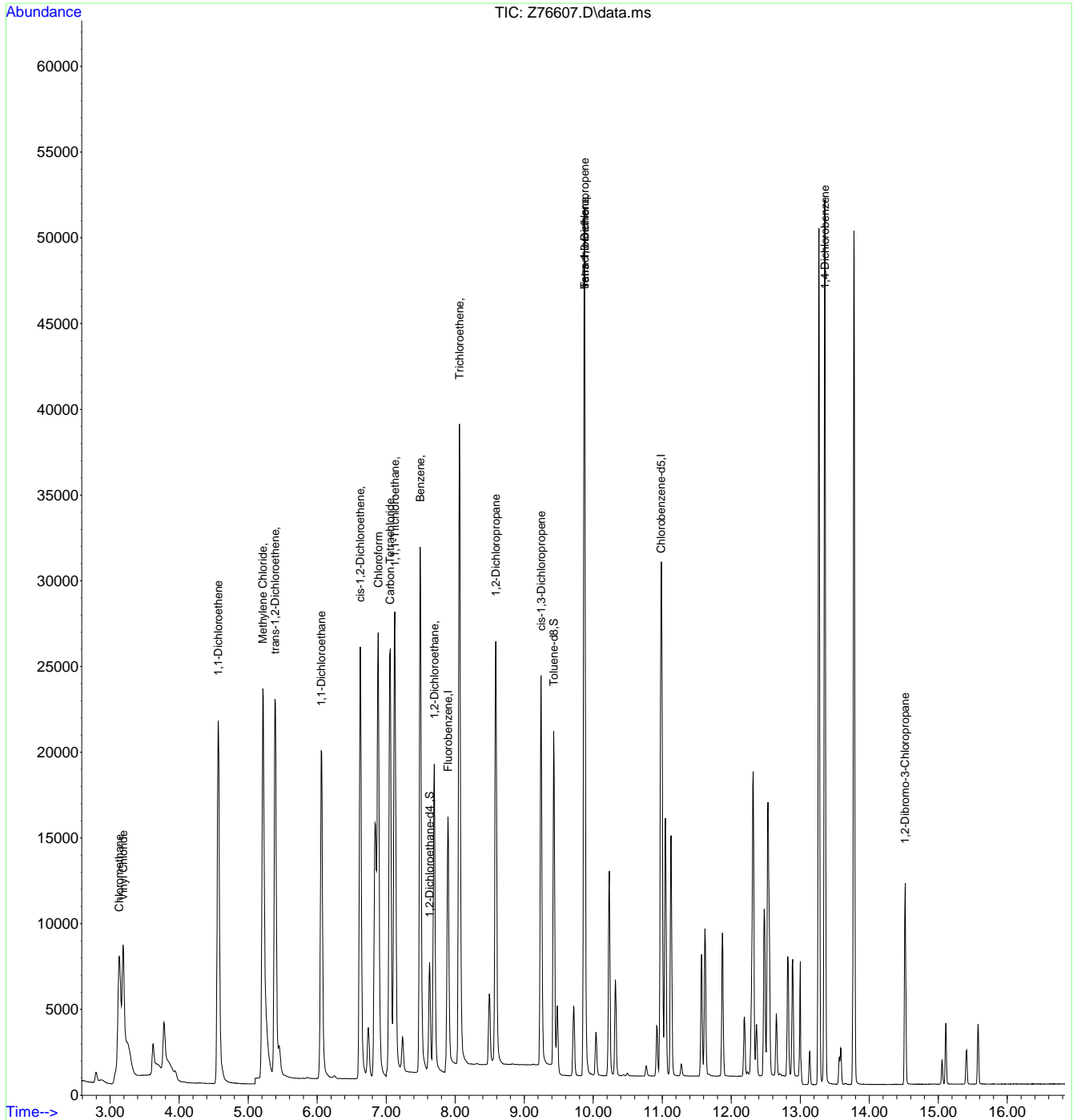
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\082824\
 Data File : Z76607.D
 Acq On : 28 Aug 2024 10:10 am
 Operator : claudias
 Sample : ICC3084-5
 Misc : MS57344,VZ3084,,,,,
 ALS Vial : 7 Sample Multiplier: 1

Inst : MSVOA15-Z

Quant Time: Aug 28 10:28:32 2024
 Quant Method : C:\msdchem\1\methods\SIMCL-08-26-2024.M
 Quant Title : Standard Methods 6200B
 QLast Update : Mon Aug 26 13:08:06 2024
 Response via : Initial Calibration



7.6.5
7



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\082824\
 Data File : Z76608.D
 Acq On : 28 Aug 2024 10:33 am
 Operator : claudias
 Sample : IC3084-6 Inst : MSVOA15-Z
 Misc : MS57344,VZ3084,,,,,
 ALS Vial : 8 Sample Multiplier: 1

Quant Time: Aug 28 10:56:38 2024
 Quant Method : C:\msdchem\1\methods\SIMCL-08-26-2024.M
 Quant Title : Standard Methods 6200B
 QLast Update : Mon Aug 26 13:08:06 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	

Internal Standards							
1) Fluorobenzene	7.895	96	19075	5.00	ug/L	0.00	
18) Chlorobenzene-d5	10.981	117	18623	5.00	ug/L	0.00	
System Monitoring Compounds							
13) 1,2-Dichloroethane-d4	7.628	65	5553	3.40	ug/L	0.00	
Spiked Amount	5.000	Range 74 - 125	Recovery	=	68.00%#		
19) Toluene-d8	9.429	98	20707	6.85	ug/L	0.00	
Spiked Amount	5.000	Range 88 - 111	Recovery	=	137.00%#		
Target Compounds							
							Qvalue
2) Vinyl Chloride	3.188	62	25840	11.40	ug/L		100
3) Chloromethane	3.133	50	29834	9.84	ug/L		99
4) 1,1-Dichloroethene	4.562	61	29746	10.86	ug/L		97
5) Methylene Chloride	5.213	49	31859	9.27	ug/L		97
6) trans-1,2-Dichloroethene	5.389	61	28992	10.82	ug/L		98
7) 1,1-Dichloroethane	6.059	63	38212	10.82	ug/L		100
8) cis-1,2-Dichloroethene	6.625	96	23568	12.64	ug/L		97
9) Chloroform	6.883	83	42304	11.30	ug/L		98
10) Carbon Tetrachloride	7.051	117	31222	12.11	ug/L		99
11) 1,1,1-Trichloroethane	7.126	97	35849	12.13	ug/L		97
12) Benzene	7.493	78	78789	13.79	ug/L		95
14) 1,2-Dichloroethane	7.696	62	28511	11.10	ug/L		95
15) Trichloroethene	8.061	95	22084	12.79	ug/L		92
16) 1,2-Dichloropropane	8.588	63	21809	12.87	ug/L		92
17) cis-1,3-Dichloropropene	9.241	75	34624	17.63	ug/L		91
20) trans-1,3-Dichloropropene	9.874	75	31427	18.32	ug/L		94
21) Tetrachloroethene	9.874	166	20947	13.52	ug/L #		94
22) 1,4-Dichlorobenzene	13.354	146	49500	14.00	ug/L		95
23) 1,2-Dibromo-3-Chloropr...	14.521	75	6212	19.22	ug/L		84

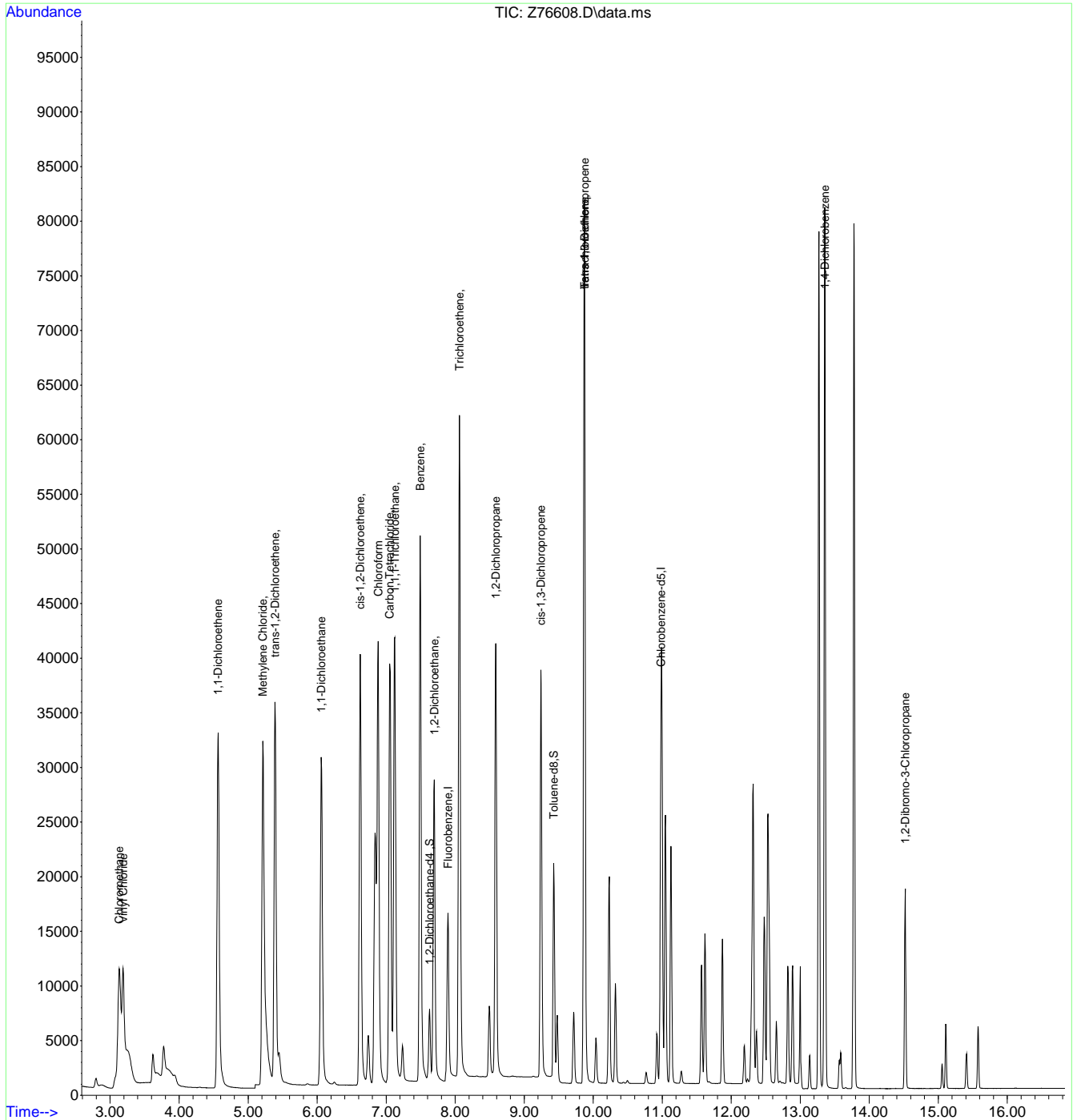
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\082824\
 Data File : Z76608.D
 Acq On : 28 Aug 2024 10:33 am
 Operator : claudias
 Sample : IC3084-6
 Misc : MS57344,VZ3084,,,,,
 ALS Vial : 8 Sample Multiplier: 1

Inst : MSVOA15-Z

Quant Time: Aug 28 10:56:38 2024
 Quant Method : C:\msdchem\1\methods\SIMCL-08-26-2024.M
 Quant Title : Standard Methods 6200B
 QLast Update : Mon Aug 26 13:08:06 2024
 Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\082824\
 Data File : Z76609.D
 Acq On : 28 Aug 2024 10:57 am
 Operator : claudias
 Sample : IC3084-7 Inst : MSVOA15-Z
 Misc : MS57344,VZ3084,,,,,
 ALS Vial : 9 Sample Multiplier: 1

Quant Time: Aug 28 11:14:06 2024
 Quant Method : C:\msdchem\1\methods\SIMCL-08-26-2024.M
 Quant Title : Standard Methods 6200B
 QLast Update : Mon Aug 26 13:08:06 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	

Internal Standards							
1) Fluorobenzene	7.895	96	19854	5.00	ug/L	0.00	
18) Chlorobenzene-d5	10.980	117	19130	5.00	ug/L	0.00	
System Monitoring Compounds							
13) 1,2-Dichloroethane-d4	7.628	65	5670	3.33	ug/L	0.00	
Spiked Amount	5.000	Range 74 - 125	Recovery	=	66.60%#		
19) Toluene-d8	9.428	98	21351	6.88	ug/L	0.00	
Spiked Amount	5.000	Range 88 - 111	Recovery	=	137.60%#		
Target Compounds							
							Qvalue
2) Vinyl Chloride	3.188	62	34546	14.64	ug/L		99
3) Chloromethane	3.133	50	39712	12.58	ug/L		99
4) 1,1-Dichloroethene	4.566	61	38127	13.78	ug/L		99
5) Methylene Chloride	5.213	49	39652	11.72	ug/L		97
6) trans-1,2-Dichloroethene	5.389	61	37250	13.77	ug/L		97
7) 1,1-Dichloroethane	6.059	63	49250	13.99	ug/L		100
8) cis-1,2-Dichloroethene	6.625	96	30314	15.99	ug/L		97
9) Chloroform	6.883	83	53897	14.61	ug/L		98
10) Carbon Tetrachloride	7.051	117	39942	15.86	ug/L		98
11) 1,1,1-Trichloroethane	7.126	97	45992	15.65	ug/L		97
12) Benzene	7.492	78	103044	17.62	ug/L		95
14) 1,2-Dichloroethane	7.696	62	36685	14.40	ug/L		95
15) Trichloroethene	8.061	95	28743	16.16	ug/L		92
16) 1,2-Dichloropropane	8.588	63	28227	16.20	ug/L		93
17) cis-1,3-Dichloropropene	9.246	75	44988	21.23	ug/L		96
20) trans-1,3-Dichloropropene	9.869	75	41051	21.96	ug/L		93
21) Tetrachloroethene	9.874	166	27204	17.02	ug/L #		94
22) 1,4-Dichlorobenzene	13.354	146	63291	17.40	ug/L		95
23) 1,2-Dibromo-3-Chloropr...	14.517	75	7993	23.82	ug/L #		77

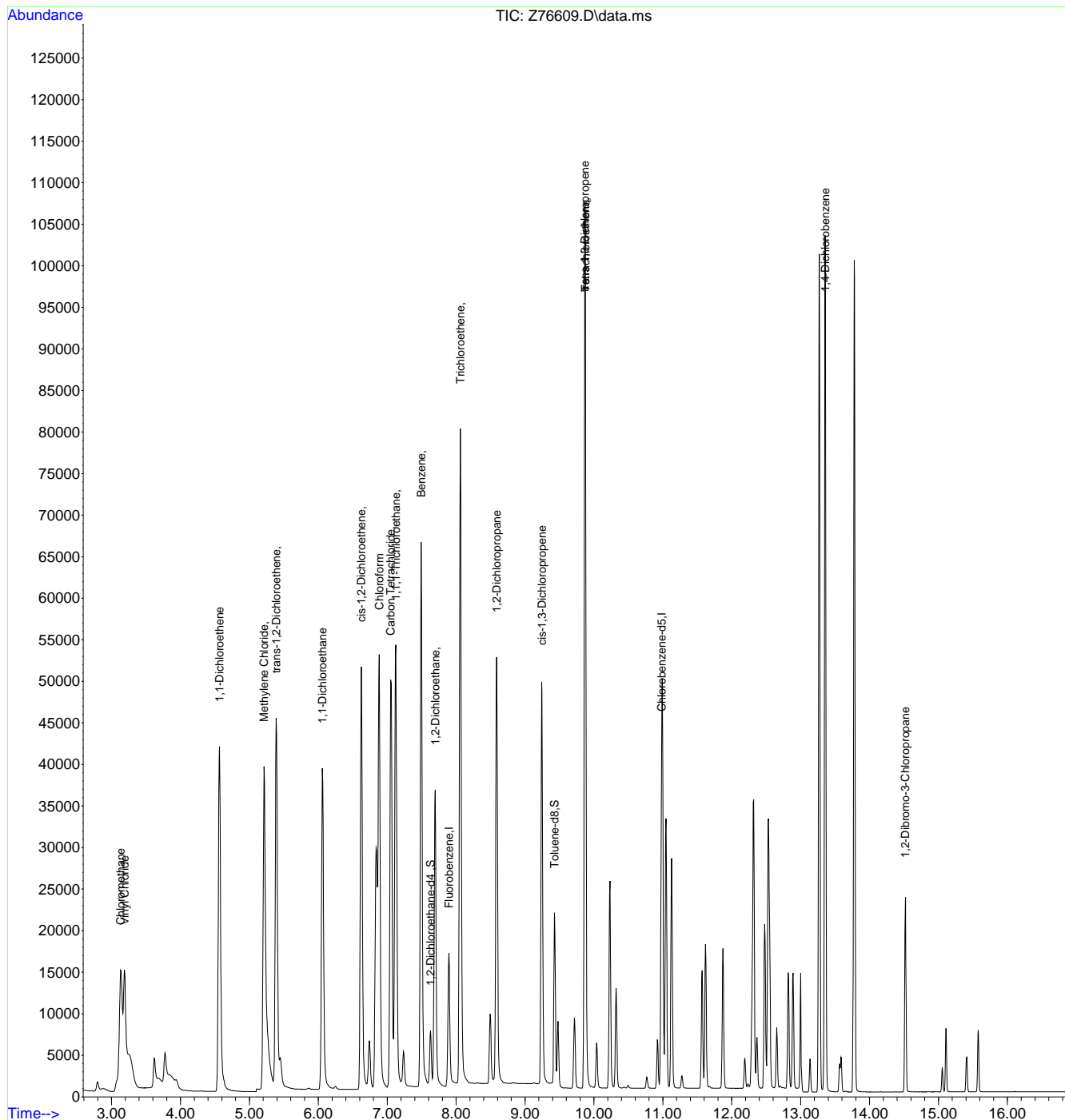
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\082824\
 Data File : Z76609.D
 Acq On : 28 Aug 2024 10:57 am
 Operator : claudias
 Sample : IC3084-7
 Misc : MS57344,VZ3084,,,,,
 ALS Vial : 9 Sample Multiplier: 1

Inst : MSVOA15-Z

Quant Time: Aug 28 11:14:06 2024
 Quant Method : C:\msdchem\1\methods\SIMCL-08-26-2024.M
 Quant Title : Standard Methods 6200B
 QLast Update : Mon Aug 26 13:08:06 2024
 Response via : Initial Calibration



7.6.7
7



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\082824\
 Data File : Z76611.D
 Acq On : 28 Aug 2024 11:43 am
 Operator : claudias
 Sample : icv3084-5 Inst : MSVOA15-Z
 Misc : MS57344,VZ3084,,,,,
 ALS Vial : 11 Sample Multiplier: 1

Quant Time: Aug 28 12:04:53 2024
 Quant Method : C:\msdchem\1\methods\SIMCL-08-28-2024.M
 Quant Title : Standard Methods 6200B
 QLast Update : Wed Aug 28 11:30:23 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	

Internal Standards							
1) Fluorobenzene	7.895	96	19205	5.00	ug/L	0.00	
18) Chlorobenzene-d5	10.980	117	19116	5.00	ug/L	0.00	
System Monitoring Compounds							
13) 1,2-Dichloroethane-d4	7.628	65	5603	4.82	ug/L	0.00	
Spiked Amount	5.000	Range 74 - 125	Recovery	=	96.40%		
19) Toluene-d8	9.428	98	21232	4.98	ug/L	0.00	
Spiked Amount	5.000	Range 88 - 111	Recovery	=	99.60%		
Target Compounds							
							Qvalue
2) Vinyl Chloride	3.188	62	15478	8.26	ug/L		99
3) Chloromethane	3.133	50	17429	8.15	ug/L		98
4) 1,1-Dichloroethene	4.566	61	21016	10.15	ug/L		99
5) Methylene Chloride	5.213	49	24313	10.02	ug/L		97
6) trans-1,2-Dichloroethene	5.389	61	20777	10.43	ug/L		98
7) 1,1-Dichloroethane	6.059	63	26656	10.76	ug/L		100
8) cis-1,2-Dichloroethene	6.625	96	16641	10.30	ug/L		97
9) Chloroform	6.883	83	30040	9.93	ug/L		98
10) Carbon Tetrachloride	7.051	117	22215	9.92	ug/L		98
11) 1,1,1-Trichloroethane	7.126	97	25363	10.21	ug/L		97
12) Benzene	7.492	78	54941	9.87	ug/L		95
14) 1,2-Dichloroethane	7.696	62	20330	10.40	ug/L		95
15) Trichloroethene	8.061	95	15602	10.63	ug/L		92
16) 1,2-Dichloropropane	8.588	63	15371	10.07	ug/L		93
17) cis-1,3-Dichloropropene	9.240	75	23259	10.10	ug/L		90
20) trans-1,3-Dichloropropene	9.874	75	19446	9.42	ug/L		94
21) Tetrachloroethene	9.874	166	14896	10.51	ug/L #		93
22) 1,4-Dichlorobenzene	13.354	146	34574	10.64	ug/L		95
23) 1,2-Dibromo-3-Chloropr...	14.520	75	4363	10.15	ug/L		83

(#) = qualifier out of range (m) = manual integration (+) = signals summed



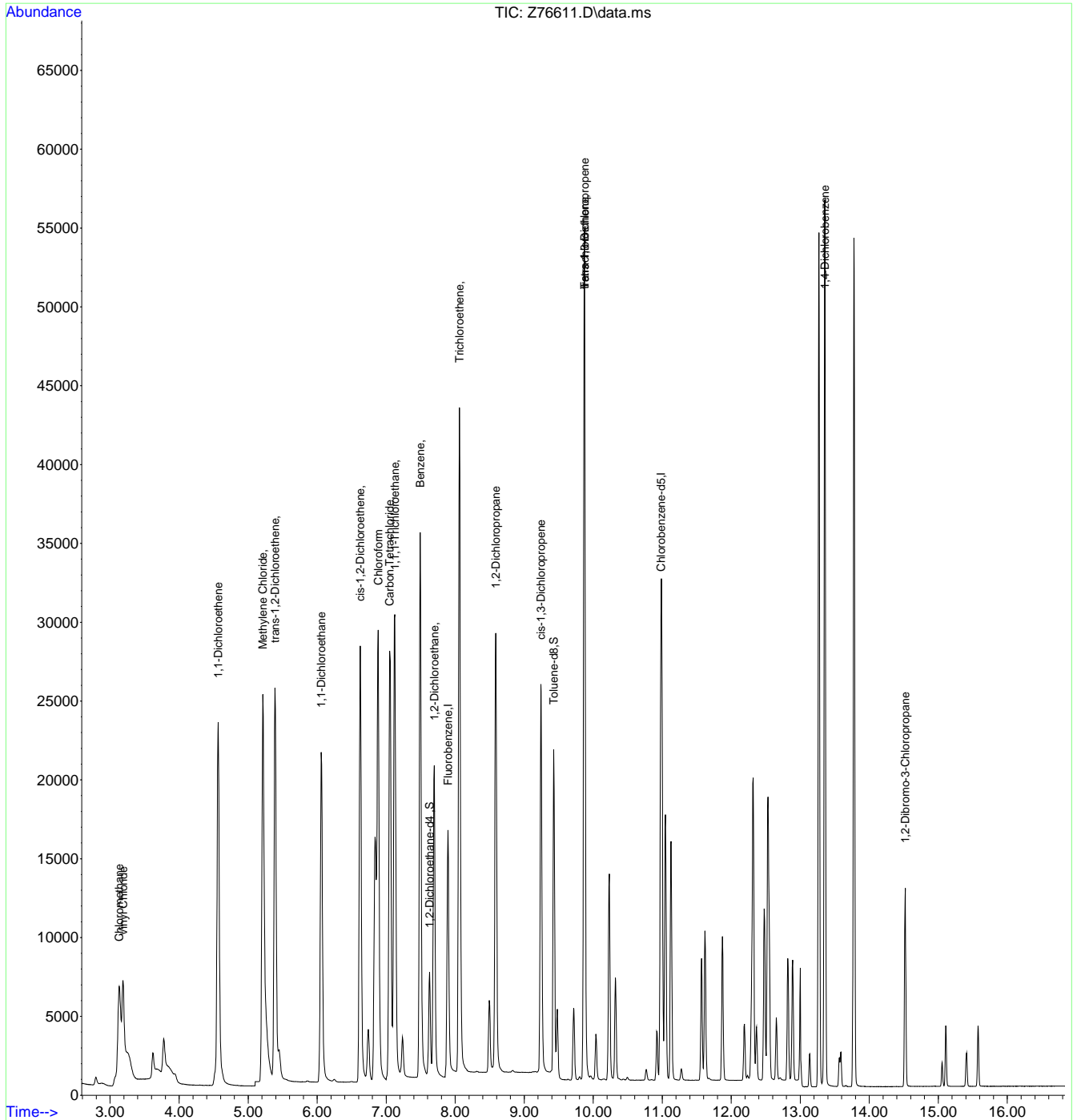
7.6.8
7

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\082824\
 Data File : Z76611.D
 Acq On : 28 Aug 2024 11:43 am
 Operator : claudias
 Sample : icv3084-5
 Misc : MS57344,VZ3084,,,,,
 ALS Vial : 11 Sample Multiplier: 1

Inst : MSVOA15-Z

Quant Time: Aug 28 12:04:53 2024
 Quant Method : C:\msdchem\1\methods\SIMCL-08-28-2024.M
 Quant Title : Standard Methods 6200B
 QLast Update : Wed Aug 28 11:30:23 2024
 Response via : Initial Calibration



8'9'7

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\090324\
 Data File : Z76697.D
 Acq On : 3 Sep 2024 7:30 am
 Operator : claudias
 Sample : cc3084-5 Inst : MSVOA15-Z
 Misc : MS57383,VZ3088,,,,,
 ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 03 07:47:44 2024
 Quant Method : C:\msdchem\1\methods\SIMCL-08-28-2024.M
 Quant Title : Standard Methods 6200B
 QLast Update : Wed Aug 28 11:30:23 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	

Internal Standards							
1) Fluorobenzene	7.888	96	21728	5.00	ug/L	0.00	
18) Chlorobenzene-d5	10.975	117	24332	5.00	ug/L	0.00	
System Monitoring Compounds							
13) 1,2-Dichloroethane-d4	7.621	65	6817	5.18	ug/L	0.00	
Spiked Amount	5.000	Range	74 - 125	Recovery	=	103.60%	
19) Toluene-d8	9.423	98	25118	4.63	ug/L	0.00	
Spiked Amount	5.000	Range	88 - 111	Recovery	=	92.60%	
Target Compounds							
							Qvalue
2) Vinyl Chloride	3.183	62	22722	11.01	ug/L		99
3) Chloromethane	3.116	50	26966	11.48	ug/L		99
4) 1,1-Dichloroethene	4.557	61	26512	11.48	ug/L		97
5) Methylene Chloride	5.208	49	32513	12.53	ug/L		97
6) trans-1,2-Dichloroethene	5.383	61	25824	11.58	ug/L		98
7) 1,1-Dichloroethane	6.053	63	33424	11.92	ug/L		100
8) cis-1,2-Dichloroethene	6.619	96	20048	11.04	ug/L		97
9) Chloroform	6.877	83	35356	10.40	ug/L		98
10) Carbon Tetrachloride	7.044	117	25097	9.91	ug/L		98
11) 1,1,1-Trichloroethane	7.119	97	29898	10.69	ug/L		97
12) Benzene	7.486	78	61870	9.82	ug/L		96
14) 1,2-Dichloroethane	7.689	62	23700	10.75	ug/L		95
15) Trichloroethene	8.055	95	16489	9.89	ug/L		91
16) 1,2-Dichloropropane	8.582	63	16825	9.74	ug/L		92
17) cis-1,3-Dichloropropene	9.240	75	25572	9.80	ug/L		95
20) trans-1,3-Dichloropropene	9.869	75	23024	8.77	ug/L		94
21) Tetrachloroethene	9.869	166	16954	9.36	ug/L #		92
22) 1,4-Dichlorobenzene	13.354	146	40578	9.81	ug/L		95
23) 1,2-Dibromo-3-Chloropr...	14.517	75	4605	8.32	ug/L #		75

(#) = qualifier out of range (m) = manual integration (+) = signals summed



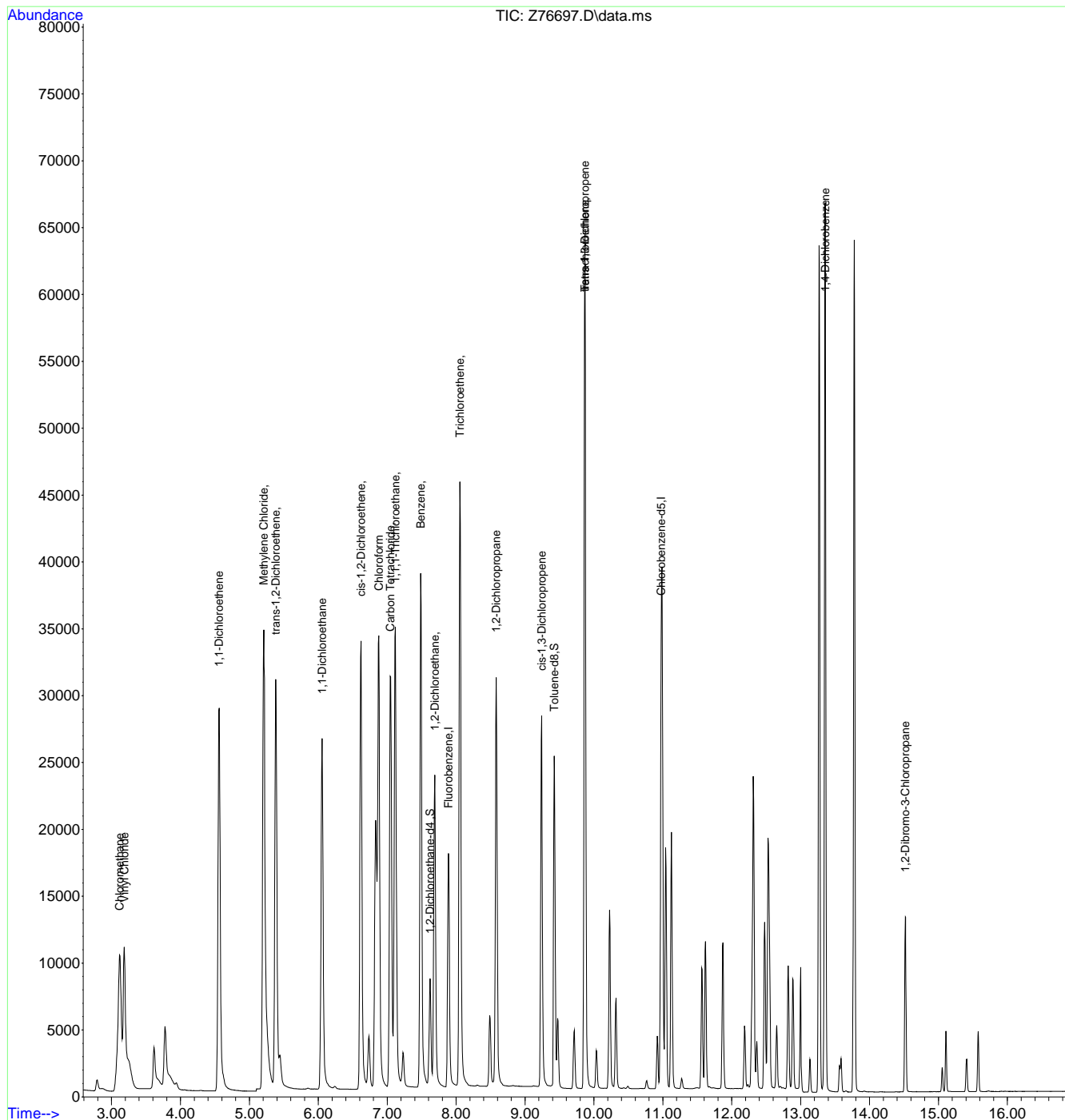
7.6.9
7

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\090324\
 Data File : Z76697.D
 Acq On : 3 Sep 2024 7:30 am
 Operator : claudias
 Sample : cc3084-5
 Misc : MS57383,VZ3088,,,,,
 ALS Vial : 2 Sample Multiplier: 1

Inst : MSVOA15-Z

Quant Time: Sep 03 07:47:44 2024
 Quant Method : C:\msdchem\1\methods\SIMCL-08-28-2024.M
 Quant Title : Standard Methods 6200B
 QLast Update : Wed Aug 28 11:30:23 2024
 Response via : Initial Calibration



697



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\090324\
 Data File : Z76723.D
 Acq On : 3 Sep 2024 6:12 pm
 Operator : claudias
 Sample : ECC3084-5 Inst : MSVOA15-Z
 Misc : MS57405,VZ3088,,,,,
 ALS Vial : 28 Sample Multiplier: 1

Quant Time: Sep 04 06:38:14 2024
 Quant Method : C:\msdchem\1\methods\SIMCL-08-28-2024.M
 Quant Title : Standard Methods 6200B
 QLast Update : Wed Aug 28 11:30:23 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	

Internal Standards							
1) Fluorobenzene	7.895	96	19293	5.00	ug/L	0.00	
18) Chlorobenzene-d5	10.975	117	21896	5.00	ug/L	0.00	
System Monitoring Compounds							
13) 1,2-Dichloroethane-d4	7.621	65	6749	5.77	ug/L	0.00	
Spiked Amount	5.000	Range 74 - 125	Recovery	=	115.40%		
19) Toluene-d8	9.428	98	22839	4.68	ug/L	0.00	
Spiked Amount	5.000	Range 88 - 111	Recovery	=	93.60%		
Target Compounds							
							Qvalue
2) Vinyl Chloride	3.184	62	21407	11.77	ug/L		98
3) Chloromethane	3.121	50	25998	12.59	ug/L		99
4) 1,1-Dichloroethene	4.562	61	25652	12.67	ug/L		95
5) Methylene Chloride	5.208	49	39106	21.33	ug/L		91
6) trans-1,2-Dichloroethene	5.384	61	24644	12.57	ug/L		92
7) 1,1-Dichloroethane	6.059	63	32528	13.07	ug/L		100
8) cis-1,2-Dichloroethene	6.625	96	18656	11.64	ug/L		96
9) Chloroform	6.878	83	33610	11.27	ug/L		95
10) Carbon Tetrachloride	7.051	117	21990	9.76	ug/L		98
11) 1,1,1-Trichloroethane	7.119	97	28208	11.45	ug/L		95
12) Benzene	7.493	78	59046	10.56	ug/L		95
14) 1,2-Dichloroethane	7.689	62	23987	12.44	ug/L		93
15) Trichloroethene	8.061	95	15524	10.52	ug/L		90
16) 1,2-Dichloropropane	8.582	63	16688	10.88	ug/L		90
17) cis-1,3-Dichloropropene	9.240	75	23645	10.22	ug/L		89
20) trans-1,3-Dichloropropene	9.869	75	21183	8.96	ug/L		92
21) Tetrachloroethene	9.869	166	14340	8.78	ug/L #		89
22) 1,4-Dichlorobenzene	13.354	146	35900	9.64	ug/L		93
23) 1,2-Dibromo-3-Chloropr...	14.517	75	4332	8.72	ug/L #		65

(#) = qualifier out of range (m) = manual integration (+) = signals summed

7.6.10
7

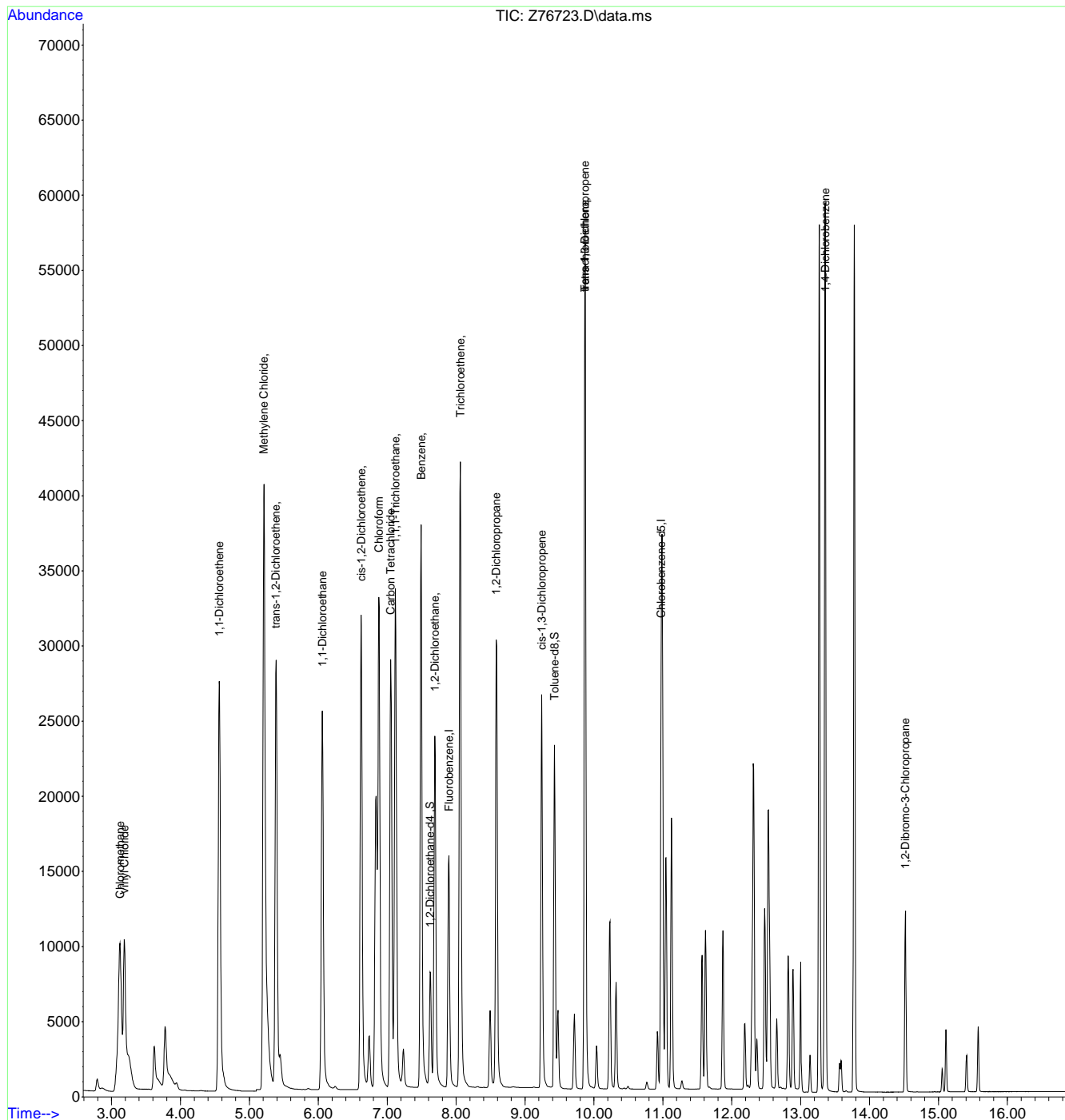


Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\090324\
 Data File : Z76723.D
 Acq On : 3 Sep 2024 6:12 pm
 Operator : claudias
 Sample : ECC3084-5
 Misc : MS57405,VZ3088,,,,,
 ALS Vial : 28 Sample Multiplier: 1

Inst : MSVOA15-Z

Quant Time: Sep 04 06:38:14 2024
 Quant Method : C:\msdchem\1\methods\SIMCL-08-28-2024.M
 Quant Title : Standard Methods 6200B
 QLast Update : Wed Aug 28 11:30:23 2024
 Response via : Initial Calibration



7.6.10
7



SGS -ORLANDO

VOA-GCMS ANALYSIS LOG

Instrument:	MS/VOA15-Z
Date:	09/03/2024
Analyst:	claudias
Column Type	RTX/MS
Detector	5975C-MSD
Purge Pressure	
Purge Volume	5ml

Method(s):	8260SIMCL
Method File:	SIMCL-08-28-2024.M
Calibration Date:	08/28/24
Acq. Method:	ACQ_SIMCLB.M
EM Voltage:	1452
Run ID:	VZ3088

BFB:	VS4150	pH Paper Lot#:	230320A
ICAL/CC:	, VS4183, VS4219	KI Paper Lot#:	n/a
ICV/BS:	, VS4167, VS4220	AFA Lot#:	n/a
ISTD/Surr.:	VS4083	Data processed by:	claudias
		Sample ID Ver. by:	claudias
		Date Verified:	9/3/2024 0:00

Data File	Sample ID	Dilution Factor	Vial #	Matrix	A.S. Pos.	Work Group	pH	CI? (Y/N)	RR	Comments and Manually Integrated Peaks (Peak # and Rational)
Z76696	BFB	-	-	W	1	-	-	-	-	10.5 µl- 40 ml; passed
Z76697	cc3084-5	-	-	W	2	-	-	-	-	50µl- 50 ml MC ↑
Z76698	BS	-	-	W	3	-	-	-	-	25µl- 50 ml, MC ↑, 1.1 dCE ↑
Z76699	rinse	-	-	W	4	-	-	-	-	
Z76700	Mb	-	-	W	5	-	-	-	-	✓
Z76701	FC-18325-1	1X	1	W	6	MSS7405	1	N	-	✓
Z76702	FC-18325-2	1X	2	W	7	MSS7405	1	N	-	✓
Z76703	FC-18325-11	1X	1	W	8	MSS7405	1	N	-	✓
Z76704	FC-18325-12	1X	1	W	9	MSS7405	1	N	-	✓
Z76705	FC-18325-3	1X	2	W	10	MSS7405	1	N	-	✓, #9(Pil)
Z76706	FC-18325-4	1X	1	W	11	MSS7405	1	N	-	✓
Z76707	FC-18325-5	1X	1	W	12	MSS7405	1	N	-	✓, #9, #10(Pil)
Z76708	FC-18325-6	1X	1	W	13	MSS7405	1	N	-	✓, #9(Pil)
Z76709	FC-18325-7	1X	1	W	14	MSS7405	1	N	-	✓, #9(Pil)
Z76710	FC-18325-8	1X	1	W	15	MSS7405	1	N	-	✓
Z76711	FC-18325-9	1X	2	W	16	MSS7405	1	N	-	✓
Z76712	FC-18325-10	1X	1	W	17	MSS7405	1	N	-	✓
Z76713	FC-18325-13	1X	1	W	18	MSS7405	1	N	-	✓, #9, #10(Pil)
Z76714	FC-18325-14	1X	1	W	19	MSS7405	1	N	-	✓, #9, #10(Pil)
Z76715	FC-18325-15	1X	1	W	20	MSS7405	1	N	-	✓
Z76716	FC-18325-16	1X	1	W	21	MSS7405	1	N	-	✓, #9, #10(Pil)
Z76717	FC-18325-17	1X	1	W	22	MSS7405	1	N	-	✓, #9, #10(Pil)
Z76718	FC-18325-18	1X	1	W	23	MSS7405	1	N	-	✓, #9, #10(Pil)
Z76719	FC-18326-21	1X	1	W	24	MSS7405	1	N	-	✓
Z76720	FC-18326-22	1X	1	W	25	MSS7405	1	N	-	✓, #9, #10(Pil)
Z76721	FC-18325-4MS	5X	2	W	26	MSS7405	1	N	-	20µl- 40 ml 10ml-50 ml
Z76722	FC-18325-4MSD	5X	2	W	27	MSS7405	1	N	-	20µl- 40 ml 10ml-50 ml
Z76723	ECC3084-5	-	-	W	28	-	-	-	-	50µl- 50 ml MC ↑

Matrix: Designate "W" for Water, "S" for soil, "O" for Oil, "L" for Non-aqueous Liquid, and "TCLP" or "SPLP" for Leachate
 Manual Integration Rational SOP QA029: IIP Missed Peak, OP Overlapping Peak, SP Split Peak, PDB Poorly Defined Baseline, BR Baseline Ripple, PII Poor Instrument

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

e-Hardcopy 2.0
Automated Report

Technical Report for

Ahtna Global, LLC

Fort Ord Groundwater Monitoring

21187.001.01.0000 (FFO 2024 Q3) OUCTP-A

SGS Job Number: FC18326

Sampling Dates: 08/22/24 - 08/23/24



Report to:

Ahtna Global, LLC
9699 Blue Larkspur Lane Suite 203
Monterey, CA 93940
dlieberman@ahtna.net; mfisher@ahtna.net;
hdillon@ahtna.net; eschmidt@ahtna.net;
ATTN: Derek Lieberman

Total number of pages in report: **525**



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

Norm Farmer
Technical Director

Client Service contact: Elvin Kumar 407-425-6700

Certifications: FL(E83510), LA(03051), KS(E-10327), NC(573), NJ(FL002), NY(12022), SC(96038001)

DoD ELAP(ANAB L2229), AZ(AZ0806), CA(2937), TX(T104704404), PA(68-03573), VA(460177),

AL, AK, AR, CT, IA, KY, MA, MI, MS, ND, NH, NV, OK, OR, IL, UT, VT, WA, WI, WV

This report shall not be reproduced, except in its entirety, without the written approval of SGS.

Test results relate only to samples analyzed.

Table of Contents

-1-

Section 1: Sample Summary	4
Section 2: Case Narrative/Conformance Summary	8
Section 3: Summary of Hits	11
Section 4: Sample Results	16
4.1: FC18326-1: 24340BWX210A	17
4.2: FC18326-2: 2434X0BW018F	18
4.3: FC18326-3: 2434X00B020F	19
4.4: FC18326-4: 2434X0BW156F	20
4.5: FC18326-5: 2434X0BW011F	21
4.6: FC18326-6: 2434X0BW025F	22
4.7: FC18326-7: 2434X0BW051F	23
4.8: FC18326-8: 2434X0BW055F	24
4.9: FC18326-9: 24340BWX193C	25
4.10: FC18326-10: 2434X0BW005F	26
4.11: FC18326-11: 2434X0BW007F	27
4.12: FC18326-12: 2434X0BW061D	28
4.13: FC18326-13: 2434X0BW024F	29
4.14: FC18326-14: 2434X0BW062D	30
4.15: FC18326-15: 2434X0BW009F	31
4.16: FC18326-16: 2434X0BW026F	32
4.17: FC18326-17: 2434X0BW054F	33
4.18: FC18326-18: 2434X0BW027F	34
4.19: FC18326-19: 2434X0BW028F	35
4.20: FC18326-20: 2434X0BW029F	36
4.21: FC18326-21: 2434X00B019F	37
4.22: FC18326-22: 2434X0BW063D	38
4.23: FC18326-23: 2434X0BW031F	39
4.24: FC18326-24: 2434X0BW038F	40
4.25: FC18326-25: 24340BWX212A	41
4.26: FC18326-26: 2434X0BW006F	42
4.27: FC18326-27: 2434X0BW008F	43
4.28: FC18326-28: 2434X0BW010F	44
4.29: FC18326-29: 2434X0BW012F	45
4.30: FC18326-30: 2434XOU2001F	46
4.31: FC18326-31: 2434XOU2002F	47
4.32: FC18326-32: 2434Y0BW215A	48
4.33: FC18326-33: 2434X0BW040F	49
4.34: FC18326-34: 2434X0BW183F	50
4.35: FC18326-35: 2434X0BW064D	51
4.36: FC18326-36: 2434X0BW039F	52
4.37: FC18326-37: 2434X0BW182F	53
4.38: FC18326-38: 2434Y0BW198C	54

Table of Contents

-2-

4.39: FC18326-39: 2434X0BW022F	55
4.40: FC18326-40: 2434X0BW057F	56
4.41: FC18326-41: 2434X0BW058F	57
4.42: FC18326-42: 2434X0BW059F	58
Section 5: Misc. Forms	59
5.1: Chain of Custody	60
5.2: QC Evaluation: DOD QSM5.x Limits	70
Section 6: MS Volatiles - QC Data Summaries	76
6.1: Method Blank Summary	77
6.2: Blank Spike Summary	81
6.3: Matrix Spike/Matrix Spike Duplicate Summary	85
6.4: Instrument Performance Checks (BFB)	89
6.5: Internal Standard Area Summaries	95
6.6: Surrogate Recovery Summaries	99
6.7: Initial and Continuing Calibration Summaries	101
6.8: Run Sequence Reports	124
Section 7: MS Volatiles - Raw Data	130
7.1: Samples	131
7.2: Method Blanks	409
7.3: Blank Spikes	421
7.4: Matrix Spike/Matrix Spike Duplicates	429
7.5: Instrument Performance Checks (BFB)	451
7.6: Initial and Continuing Calibrations	457
7.7: Instrument Run Logs	520

1

2

3

4

5

6

7



Sample Summary

Ahtna Global, LLC

Job No: FC18326

Fort Ord Groundwater Monitoring
 Project No: 21187.001.01.0000 (FFO 2024 Q3) OUCTP-A

Sample Number	Collected		Received	Matrix		Client Sample ID
	Date	Time By		Code	Type	
FC18326-1	08/22/24	07:30	08/27/24	AQ	Trip Blank Water	24340BWX210A
FC18326-2	08/22/24	08:31	08/27/24	AQ	Ground Water	2434X0BW018F
FC18326-3	08/22/24	09:37	08/27/24	AQ	Ground Water	2434X00B020F
FC18326-4	08/22/24	09:52	08/27/24	AQ	Ground Water	2434X0BW156F
FC18326-5	08/22/24	10:13	08/27/24	AQ	Ground Water	2434X0BW011F
FC18326-6	08/22/24	11:06	08/27/24	AQ	Ground Water	2434X0BW025F
FC18326-7	08/22/24	11:28	08/27/24	AQ	Ground Water	2434X0BW051F
FC18326-8	08/22/24	11:53	08/27/24	AQ	Ground Water	2434X0BW055F
FC18326-9	08/22/24	15:55	08/27/24	AQ	Field Blank Water	24340BWX193C
FC18326-10	08/22/24	12:59	08/27/24	AQ	Ground Water	2434X0BW005F
FC18326-11	08/22/24	14:02	08/27/24	AQ	Ground Water	2434X0BW007F
FC18326-12	08/22/24	14:07	08/27/24	AQ	Ground Water	2434X0BW061D
FC18326-13	08/22/24	14:12	08/27/24	AQ	Ground Water	2434X0BW024F



Sample Summary

(continued)

Ahtna Global, LLC

Job No: FC18326

Fort Ord Groundwater Monitoring

Project No: 21187.001.01.0000 (FFO 2024 Q3) OUCTP-A

Sample Number	Collected		Received	Matrix		Client Sample ID
	Date	Time By		Code	Type	
FC18326-14	08/22/24	14:17	08/27/24	AQ	Ground Water	2434X0BW062D
FC18326-15	08/22/24	14:25	08/27/24	AQ	Ground Water	2434X0BW009F
FC18326-16	08/22/24	13:34	08/27/24	AQ	Ground Water	2434X0BW026F
FC18326-17	08/22/24	13:37	08/27/24	AQ	Ground Water	2434X0BW054F
FC18326-18	08/22/24	14:06	08/27/24	AQ	Ground Water	2434X0BW027F
FC18326-19	08/22/24	14:20	08/27/24	AQ	Ground Water	2434X0BW028F
FC18326-20	08/22/24	14:32	08/27/24	AQ	Ground Water	2434X0BW029F
FC18326-21	08/22/24	14:50	08/27/24	AQ	Ground Water	2434X00B019F
FC18326-22	08/22/24	14:55	08/27/24	AQ	Ground Water	2434X0BW063D
FC18326-23	08/22/24	15:18	08/27/24	AQ	Ground Water	2434X0BW031F
FC18326-24	08/22/24	15:30	08/27/24	AQ	Ground Water	2434X0BW038F
FC18326-25	08/23/24	07:10	08/27/24	AQ	Trip Blank Water	24340BWX212A
FC18326-26	08/23/24	09:25	08/27/24	AQ	Ground Water	2434X0BW006F



Sample Summary

(continued)

Ahtna Global, LLC

Job No: FC18326

Fort Ord Groundwater Monitoring

Project No: 21187.001.01.0000 (FFO 2024 Q3) OUCTP-A

Sample Number	Collected		Received	Matrix		Client Sample ID
	Date	Time By		Code	Type	
FC18326-27	08/23/24	10:14	08/27/24	AQ	Ground Water	2434X0BW008F
FC18326-28	08/23/24	10:44	08/27/24	AQ	Ground Water	2434X0BW010F
FC18326-29	08/23/24	11:19	08/27/24	AQ	Ground Water	2434X0BW012F
FC18326-30	08/23/24	13:04	08/27/24	AQ	Ground Water	2434XOU2001F
FC18326-31	08/23/24	13:24	08/27/24	AQ	Ground Water	2434XOU2002F
FC18326-32	08/23/24	07:05	08/27/24	AQ	Trip Blank Water	2434Y0BW215A
FC18326-33	08/23/24	07:50	08/27/24	AQ	Ground Water	2434X0BW040F
FC18326-34	08/23/24	07:53	08/27/24	AQ	Ground Water	2434X0BW183F
FC18326-35	08/23/24	07:58	08/27/24	AQ	Ground Water	2434X0BW064D
FC18326-36	08/23/24	08:13	08/27/24	AQ	Ground Water	2434X0BW039F
FC18326-37	08/23/24	08:15	08/27/24	AQ	Ground Water	2434X0BW182F
FC18326-38	08/23/24	08:21	08/27/24	AQ	Field Blank Water	2434Y0BW198C
FC18326-39	08/23/24	08:52	08/27/24	AQ	Ground Water	2434X0BW022F



Sample Summary

(continued)

Ahtna Global, LLC

Job No: FC18326

Fort Ord Groundwater Monitoring
Project No: 21187.001.01.0000 (FFO 2024 Q3) OUCTP-A

Sample Number	Collected Date	Time By	Received	Matrix Code	Type	Client Sample ID
FC18326-40	08/23/24	09:25	08/27/24	AQ	Ground Water	2434X0BW057F
FC18326-41	08/23/24	09:39	08/27/24	AQ	Ground Water	2434X0BW058F
FC18326-42	08/23/24	09:50	08/27/24	AQ	Ground Water	2434X0BW059F

SAMPLE DELIVERY GROUP CASE NARRATIVE

Client: Ahtna Global, LLC

Job No: FC18326

Site: Fort Ord Groundwater Monitoring

Report Date: 9/9/2024 6:20:54 PM

On 08/27/2024, 37 Sample(s), 3 Trip Blank(s), 0 Equip. Blank(s) and 2 Field Blank(s) were received at SGS North America Inc - Orlando. at a maximum corrected temperature of 2.8 C. Samples were intact and chemically preserved, unless noted below. A SGS North America Inc. - Orlando Job Number of FC18326 was assigned to the project.

Laboratory sample ID, client sample ID and dates of sample collection are detailed in the report's Results Summary Section. Specified quality control criteria were achieved for this job except as noted below. For more information, please refer to the analytical results and QC summary pages.

MS Volatiles By Method SW846 8260D BY SIM

Matrix: AQ

Batch ID: VN6714

Sample(s) FC18326-23MS, FC18326-23MSD were used as the QC samples indicated.

Sample(s) FC18326-23, FC18326-24, FC18326-25, FC18326-26, FC18326-27, FC18326-28, FC18326-29, FC18326-30, FC18326-31, FC18326-32, FC18326-33, FC18326-34, FC18326-35 have compound(s) reported with a "B" qualifier, indicating analyte is found in the associated method blank.

VN6714-MB for Methylene Chloride: Suspected laboratory contaminant.

Blank Spike Recovery(s) for Methylene Chloride are outside control limits.

Matrix Spike Recovery(s) for Methylene Chloride are outside control limits. Probable cause is due to matrix interference.

Matrix Spike Duplicate Recovery(s) for Methylene Chloride are outside control limits. Probable cause is due to matrix interference.

FC18326-23 for Methylene Chloride: Suspected laboratory contaminant. Associated ECC, CCV, and BS recovery outside DOD QSM control limits high.

FC18326-23 for Vinyl Chloride: Associated CCV outside of DOD QSM control limits high, sample is ND.

FC18326-24 for Methylene Chloride: Suspected laboratory contaminant. Associated ECC, CCV, and BS recovery outside DOD QSM control limits high.

FC18326-24 for Vinyl Chloride: Associated CCV outside of DOD QSM control limits high, sample is ND.

FC18326-25 for Vinyl Chloride: Associated CCV outside of DOD QSM control limits high, sample is ND.

FC18326-25 for Methylene Chloride: Suspected laboratory contaminant. Associated ECC, CCV, and BS recovery outside DOD QSM control limits high.

FC18326-26 for Methylene Chloride: Suspected laboratory contaminant. Associated ECC, CCV, and BS recovery outside DOD QSM control limits high.

FC18326-26 for Vinyl Chloride: Associated CCV outside of DOD QSM control limits high, sample is ND.

FC18326-27 for Methylene Chloride: Suspected laboratory contaminant. Associated ECC, CCV, and BS recovery outside DOD QSM control limits high.

FC18326-27 for Vinyl Chloride: Associated CCV outside of DOD QSM control limits high, sample is ND.

FC18326-28 for Vinyl Chloride: Associated CCV outside of DOD QSM control limits high, sample is ND.

FC18326-28 for Methylene Chloride: Suspected laboratory contaminant. Associated ECC, CCV, and BS recovery outside DOD QSM control limits high.

FC18326-29 for Methylene Chloride: Suspected laboratory contaminant. Associated ECC, CCV, and BS recovery outside DOD QSM control limits high.

FC18326-29 for Vinyl Chloride: Associated CCV outside of DOD QSM control limits high, sample is ND.

FC18326-30 for Vinyl Chloride: Associated CCV outside of DOD QSM control limits high, sample is ND.

FC18326-30 for Methylene Chloride: Suspected laboratory contaminant. Associated ECC, CCV, and BS recovery outside DOD QSM control limits high.

FC18326-31 for Methylene Chloride: Suspected laboratory contaminant. Associated ECC, CCV, and BS recovery outside DOD QSM control limits high.

FC18326-31 for Vinyl Chloride: Associated CCV outside of DOD QSM control limits high, sample is ND.

FC18326-32 for Methylene Chloride: Suspected laboratory contaminant. Associated ECC, CCV, and BS recovery outside DOD QSM control limits high.

FC18326-32 for Vinyl Chloride: Associated CCV outside of DOD QSM control limits high, sample is ND.

FC18326-33 for Vinyl Chloride: Associated CCV outside of DOD QSM control limits high, sample is ND.

FC18326-33 for Methylene Chloride: Suspected laboratory contaminant. Associated ECC, CCV, and BS recovery outside DOD QSM control limits high.

MS Volatiles By Method SW846 8260D BY SIM

Matrix: AQ

Batch ID: VN6714

FC18326-34 for Methylene Chloride: Suspected laboratory contaminant. Associated ECC, CCV, and BS recovery outside DOD QSM control limits high.

FC18326-34 for Vinyl Chloride: Associated CCV outside of DOD QSM control limits high, sample is ND.

FC18326-35 for Methylene Chloride: Suspected laboratory contaminant. Associated ECC, CCV, and BS recovery outside DOD QSM control limits high.

FC18326-35 for Vinyl Chloride: Associated CCV outside of DOD QSM control limits high, sample is ND.

Matrix: AQ

Batch ID: VZ3087

Sample(s) FC18326-4MS, FC18326-4MSD were used as the QC samples indicated.

Matrix Spike Recovery(s) for Methylene Chloride are outside control limits. Probable cause is due to matrix interference.

Matrix Spike Duplicate Recovery(s) for Methylene Chloride are outside control limits. Probable cause is due to matrix interference.

FC18326-1 for Methylene Chloride: Associated ECC and BS outside DOD QSM control limits high, sample is ND.

FC18326-2 for Methylene Chloride: Associated ECC and BS outside DOD QSM control limits high, sample is ND.

FC18326-3 for Methylene Chloride: Associated ECC and BS outside DOD QSM control limits high, sample is ND.

FC18326-4 for Methylene Chloride: Associated ECC and BS outside DOD QSM control limits high, sample is ND.

FC18326-5 for Methylene Chloride: Associated ECC and BS outside DOD QSM control limits high, sample is ND.

FC18326-6 for Methylene Chloride: Associated ECC and BS outside DOD QSM control limits high, sample is ND.

FC18326-7 for Methylene Chloride: Associated ECC and BS outside DOD QSM control limits high, sample is ND.

FC18326-8 for Methylene Chloride: Associated ECC and BS outside DOD QSM control limits high, sample is ND.

FC18326-9 for Methylene Chloride: Associated ECC and BS outside DOD QSM control limits high, sample is ND.

FC18326-10 for Methylene Chloride: Associated ECC and BS outside DOD QSM control limits high, sample is ND.

FC18326-11 for Methylene Chloride: Associated ECC and BS outside DOD QSM control limits high, sample is ND.

FC18326-12 for Methylene Chloride: Associated ECC and BS outside DOD QSM control limits high, sample is ND.

FC18326-13 for Methylene Chloride: Associated ECC and BS outside DOD QSM control limits high, sample is ND.

FC18326-14 for Methylene Chloride: Associated ECC and BS outside DOD QSM control limits high, sample is ND.

FC18326-15 for Methylene Chloride: Associated ECC and BS outside DOD QSM control limits high, sample is ND.

FC18326-16 for Methylene Chloride: Associated ECC and BS outside DOD QSM control limits high, sample is ND.

FC18326-17 for Methylene Chloride: Associated ECC and BS outside DOD QSM control limits high, sample is ND.

FC18326-18 for Methylene Chloride: Associated ECC and BS outside DOD QSM control limits high, sample is ND.

FC18326-19 for Methylene Chloride: Associated ECC and BS outside DOD QSM control limits high, sample is ND.

FC18326-20 for Methylene Chloride: Associated ECC and BS outside DOD QSM control limits high, sample is ND.

MS Volatiles By Method SW846 8260D BY SIM

Matrix: AQ

Batch ID: VZ3088

Sample(s) FC18325-4MS, FC18325-4MSD were used as the QC samples indicated.

Blank Spike Recovery(s) for Methylene Chloride are outside control limits.

Matrix Spike Recovery(s) for Methylene Chloride are outside control limits. Probable cause is due to matrix interference.

Matrix Spike Duplicate Recovery(s) for Methylene Chloride are outside control limits. Probable cause is due to matrix interference.

FC18326-21 for Methylene Chloride: Suspected Laboratory contaminant. Associated CCV, ECC, and BS recovery outside DOD QSM control limits high, sample is ND.

FC18326-22 for Methylene Chloride: Suspected Laboratory contaminant. Associated CCV, ECC, and BS recovery outside DOD QSM control limits high, sample is ND.

Matrix: AQ

Batch ID: VZ3089

Sample(s) FC18326-36MS, FC18326-36MSD were used as the QC samples indicated.

Blank Spike Recovery(s) for 1,2-Dichloroethene (total), Methylene Chloride are outside control limits.

Matrix Spike Recovery(s) for 1,1-Dichloroethylene, 1,2-Dichloroethene (total), Methylene Chloride are outside control limits. Probable cause is due to matrix interference.

Matrix Spike Duplicate Recovery(s) for Methylene Chloride are outside control limits. Probable cause is due to matrix interference.

For Sample(s) FC18326-36, FC18326-37, FC18326-38, FC18326-39, FC18326-40, FC18326-41, FC18326-42 are associated with a blank spike that has a recovery for 1,2-Dichloroethene (total) outside DOD QSM control limits.

FC18326-36 for 1,1-Dichloroethylene: Associated CCV and BS recovery outside DOD QSM control limits high, sample is ND.

FC18326-36 for 1,2-Dichloroethene (total): Associated BS recovery outside DOD QSM control limits high, sample is ND.

MS Volatiles By Method SW846 8260D BY SIM

Matrix: AQ

Batch ID: VZ3089

FC18326-36 for Methylene Chloride: Associated CCV and BS recovery outside DOD QSM control limits high, sample is ND.
FC18326-37 for 1,1-Dichloroethylene: Associated CCV and BS recovery outside DOD QSM control limits high, sample is ND.
FC18326-37 for 1,2-Dichloroethylene (total): Associated BS recovery outside DOD QSM control limits high, sample is ND.
FC18326-37 for Methylene Chloride: Associated CCV and BS recovery outside DOD QSM control limits high, sample is ND.
FC18326-38 for 1,1-Dichloroethylene: Associated CCV and BS recovery outside DOD QSM control limits high, sample is ND.
FC18326-38 for 1,2-Dichloroethylene (total): Associated BS recovery outside DOD QSM control limits high, sample is ND.
FC18326-38 for Methylene Chloride: Associated CCV and BS recovery outside DOD QSM control limits high, sample is ND.
FC18326-39 for 1,1-Dichloroethylene: Associated CCV and BS recovery outside DOD QSM control limits high, sample is ND.
FC18326-39 for 1,2-Dichloroethylene (total): Associated BS recovery outside DOD QSM control limits high, sample is ND.
FC18326-39 for Methylene Chloride: Associated CCV and BS recovery outside DOD QSM control limits high, sample is ND.
FC18326-40 for 1,1-Dichloroethylene: Associated CCV and BS recovery outside DOD QSM control limits high, sample is ND.
FC18326-40 for 1,2-Dichloroethylene (total): Associated BS recovery outside DOD QSM control limits high, sample is ND.
FC18326-40 for Methylene Chloride: Associated CCV and BS recovery outside DOD QSM control limits high, sample is ND.
FC18326-41 for 1,1-Dichloroethylene: Associated CCV and BS recovery outside DOD QSM control limits high, sample is ND.
FC18326-41 for 1,2-Dichloroethylene (total): Associated BS recovery outside DOD QSM control limits high, sample is ND.
FC18326-41 for Methylene Chloride: Associated CCV and BS recovery outside DOD QSM control limits high, sample is ND.
FC18326-42 for 1,1-Dichloroethylene: Associated CCV and BS recovery outside DOD QSM control limits high, sample is ND.
FC18326-42 for 1,2-Dichloroethylene (total): Associated BS recovery outside DOD QSM control limits high, sample is ND.
FC18326-42 for Methylene Chloride: Associated CCV and BS recovery outside DOD QSM control limits high, sample is ND.

SGS North America Inc. - Orlando certifies that data reported for samples received, listed on the associated custody chain or analytical task order, were produced to specifications meeting the Quality System precision, accuracy and completeness objectives except as noted. Estimated non-standard method measurement uncertainty data is available on request, based on quality control bias and implicit for standard methods. Acceptable uncertainty requires tested parameter quality control data to meet method criteria. SGS North America Inc.- Orlando is not responsible for data quality assumptions if partial reports are used and recommends that this report be used in its entirety.

Narrative prepared by:

Kim Benham, Report Generation (signature on file)

Summary of Hits

Job Number: FC18326
Account: Ahtna Global, LLC
Project: Fort Ord Groundwater Monitoring
Collected: 08/22/24 thru 08/23/24



Lab Sample ID	Client Sample ID	Result/ Qual	LOQ	LOD	Units	Method
FC18326-1	24340BWX210A					
	Chloroform	0.11 J	0.50	0.25	ug/l	SW846 8260D BY SIM
FC18326-2	2434X0BW018F					
	No hits reported in this sample.					
FC18326-3	2434X00B020F					
	Carbon Tetrachloride	0.16 J	0.50	0.25	ug/l	SW846 8260D BY SIM
FC18326-4	2434X0BW156F					
	Trichloroethylene	0.11 J	0.50	0.25	ug/l	SW846 8260D BY SIM
FC18326-5	2434X0BW011F					
	Chloroform	0.20 J	0.50	0.25	ug/l	SW846 8260D BY SIM
	Trichloroethylene	0.21 J	0.50	0.25	ug/l	SW846 8260D BY SIM
FC18326-6	2434X0BW025F					
	Carbon Tetrachloride	0.13 J	0.50	0.25	ug/l	SW846 8260D BY SIM
FC18326-7	2434X0BW051F					
	Carbon Tetrachloride	0.96	0.50	0.25	ug/l	SW846 8260D BY SIM
	Chloroform	0.25 J	0.50	0.25	ug/l	SW846 8260D BY SIM
FC18326-8	2434X0BW055F					
	Carbon Tetrachloride	0.35 J	0.50	0.25	ug/l	SW846 8260D BY SIM
	Chloroform	0.53	0.50	0.25	ug/l	SW846 8260D BY SIM
FC18326-9	24340BWX193C					
	No hits reported in this sample.					
FC18326-10	2434X0BW005F					
	Carbon Tetrachloride	0.33 J	0.50	0.25	ug/l	SW846 8260D BY SIM
	Chloroform	0.14 J	0.50	0.25	ug/l	SW846 8260D BY SIM
	Trichloroethylene	0.22 J	0.50	0.25	ug/l	SW846 8260D BY SIM

Summary of Hits

Job Number: FC18326
Account: Ahtna Global, LLC
Project: Fort Ord Groundwater Monitoring
Collected: 08/22/24 thru 08/23/24



Lab Sample ID	Client Sample ID	Result/ Qual	LOQ	LOD	Units	Method
FC18326-11		2434X0BW007F				
Carbon Tetrachloride		0.59	0.50	0.25	ug/l	SW846 8260D BY SIM
Chloroform		0.29 J	0.50	0.25	ug/l	SW846 8260D BY SIM
Trichloroethylene		0.71	0.50	0.25	ug/l	SW846 8260D BY SIM
FC18326-12		2434X0BW061D				
Carbon Tetrachloride		0.59	0.50	0.25	ug/l	SW846 8260D BY SIM
Chloroform		0.29 J	0.50	0.25	ug/l	SW846 8260D BY SIM
Trichloroethylene		0.69	0.50	0.25	ug/l	SW846 8260D BY SIM
FC18326-13		2434X0BW024F				
Carbon Tetrachloride		0.77	0.50	0.25	ug/l	SW846 8260D BY SIM
Chloroform		0.32 J	0.50	0.25	ug/l	SW846 8260D BY SIM
Trichloroethylene		0.46 J	0.50	0.25	ug/l	SW846 8260D BY SIM
FC18326-14		2434X0BW062D				
Carbon Tetrachloride		0.75	0.50	0.25	ug/l	SW846 8260D BY SIM
Chloroform		0.33 J	0.50	0.25	ug/l	SW846 8260D BY SIM
Trichloroethylene		0.45 J	0.50	0.25	ug/l	SW846 8260D BY SIM
FC18326-15		2434X0BW009F				
Carbon Tetrachloride		0.10 J	0.50	0.25	ug/l	SW846 8260D BY SIM
Chloroform		0.10 J	0.50	0.25	ug/l	SW846 8260D BY SIM
FC18326-16		2434X0BW026F				
Chloroform		0.34 J	0.50	0.25	ug/l	SW846 8260D BY SIM
Trichloroethylene		0.29 J	0.50	0.25	ug/l	SW846 8260D BY SIM
FC18326-17		2434X0BW054F				
Carbon Tetrachloride		0.60	0.50	0.25	ug/l	SW846 8260D BY SIM
Chloroform		0.15 J	0.50	0.25	ug/l	SW846 8260D BY SIM
FC18326-18		2434X0BW027F				
Carbon Tetrachloride		0.42 J	0.50	0.25	ug/l	SW846 8260D BY SIM
Chloroform		0.16 J	0.50	0.25	ug/l	SW846 8260D BY SIM

Summary of Hits

Job Number: FC18326
Account: Ahtna Global, LLC
Project: Fort Ord Groundwater Monitoring
Collected: 08/22/24 thru 08/23/24



Lab Sample ID	Client Sample ID	Result/ Qual	LOQ	LOD	Units	Method
FC18326-19	2434X0BW028F					
Chloroform		1.9	0.50	0.25	ug/l	SW846 8260D BY SIM
FC18326-20	2434X0BW029F					
Carbon Tetrachloride		0.38 J	0.50	0.25	ug/l	SW846 8260D BY SIM
Chloroform		1.1	0.50	0.25	ug/l	SW846 8260D BY SIM
FC18326-21	2434X00B019F					
Carbon Tetrachloride		0.39 J	0.50	0.25	ug/l	SW846 8260D BY SIM
Chloroform		0.54	0.50	0.25	ug/l	SW846 8260D BY SIM
FC18326-22	2434X0BW063D					
Carbon Tetrachloride		0.38 J	0.50	0.25	ug/l	SW846 8260D BY SIM
Chloroform		0.57	0.50	0.25	ug/l	SW846 8260D BY SIM
FC18326-23	2434X0BW031F					
Methylene Chloride ^a		1.5 JB	2.0	0.50	ug/l	SW846 8260D BY SIM
FC18326-24	2434X0BW038F					
Carbon Tetrachloride		0.10 J	0.50	0.25	ug/l	SW846 8260D BY SIM
Chloroform		0.46 J	0.50	0.25	ug/l	SW846 8260D BY SIM
Methylene Chloride ^a		1.5 JB	2.0	0.50	ug/l	SW846 8260D BY SIM
FC18326-25	24340BWX212A					
Chloroform		0.14 J	0.50	0.25	ug/l	SW846 8260D BY SIM
Methylene Chloride ^a		2.4 B	2.0	0.50	ug/l	SW846 8260D BY SIM
FC18326-26	2434X0BW006F					
Carbon Tetrachloride		0.49 J	0.50	0.25	ug/l	SW846 8260D BY SIM
Chloroform		0.36 J	0.50	0.25	ug/l	SW846 8260D BY SIM
Methylene Chloride ^a		1.5 JB	2.0	0.50	ug/l	SW846 8260D BY SIM
Trichloroethylene		0.85	0.50	0.25	ug/l	SW846 8260D BY SIM
FC18326-27	2434X0BW008F					
1,2-Dichloroethene (total)		0.30 J	0.50	0.25	ug/l	SW846 8260D BY SIM
Methylene Chloride ^a		1.4 JB	2.0	0.50	ug/l	SW846 8260D BY SIM

Summary of Hits

Job Number: FC18326
Account: Ahtna Global, LLC
Project: Fort Ord Groundwater Monitoring
Collected: 08/22/24 thru 08/23/24



Lab Sample ID	Client Sample ID	Result/ Qual	LOQ	LOD	Units	Method
		0.86	0.50	0.25	ug/l	SW846 8260D BY SIM
FC18326-28	2434X0BW010F					
		0.11 J	0.50	0.25	ug/l	SW846 8260D BY SIM
		1.4 JB	2.0	0.50	ug/l	SW846 8260D BY SIM
FC18326-29	2434X0BW012F					
		0.11 J	0.50	0.25	ug/l	SW846 8260D BY SIM
		0.10 J	0.50	0.25	ug/l	SW846 8260D BY SIM
		1.4 JB	2.0	0.50	ug/l	SW846 8260D BY SIM
		0.98	0.50	0.25	ug/l	SW846 8260D BY SIM
FC18326-30	2434XOU2001F					
		0.18 J	0.50	0.25	ug/l	SW846 8260D BY SIM
		1.4 JB	2.0	0.50	ug/l	SW846 8260D BY SIM
FC18326-31	2434XOU2002F					
		0.42 J	0.50	0.25	ug/l	SW846 8260D BY SIM
		1.4 JB	2.0	0.50	ug/l	SW846 8260D BY SIM
FC18326-32	2434Y0BW215A					
		1.5 JB	2.0	0.50	ug/l	SW846 8260D BY SIM
FC18326-33	2434X0BW040F					
		0.13 J	0.50	0.25	ug/l	SW846 8260D BY SIM
		1.4 JB	2.0	0.50	ug/l	SW846 8260D BY SIM
FC18326-34	2434X0BW183F					
		1.3	0.50	0.25	ug/l	SW846 8260D BY SIM
		0.24 J	0.50	0.25	ug/l	SW846 8260D BY SIM
		1.5 JB	2.0	0.50	ug/l	SW846 8260D BY SIM
FC18326-35	2434X0BW064D					
		1.3	0.50	0.25	ug/l	SW846 8260D BY SIM
		0.22 J	0.50	0.25	ug/l	SW846 8260D BY SIM
		1.5 JB	2.0	0.50	ug/l	SW846 8260D BY SIM

Summary of Hits

Job Number: FC18326
Account: Ahtna Global, LLC
Project: Fort Ord Groundwater Monitoring
Collected: 08/22/24 thru 08/23/24



Lab Sample ID	Client Sample ID	Result/ Qual	LOQ	LOD	Units	Method
---------------	------------------	-----------------	-----	-----	-------	--------

FC18326-36 **2434X0BW039F**

No hits reported in this sample.

FC18326-37 **2434X0BW182F**

Carbon Tetrachloride	1.1	0.50	0.25	ug/l	SW846 8260D BY SIM
Chloroform	0.15 J	0.50	0.25	ug/l	SW846 8260D BY SIM

FC18326-38 **2434Y0BW198C**

No hits reported in this sample.

FC18326-39 **2434X0BW022F**

Trichloroethylene	0.70	0.50	0.25	ug/l	SW846 8260D BY SIM
-------------------	------	------	------	------	--------------------

FC18326-40 **2434X0BW057F**

Carbon Tetrachloride	0.64	0.50	0.25	ug/l	SW846 8260D BY SIM
Chloroform	0.10 J	0.50	0.25	ug/l	SW846 8260D BY SIM
Trichloroethylene	0.17 J	0.50	0.25	ug/l	SW846 8260D BY SIM

FC18326-41 **2434X0BW058F**

Chloroform	0.13 J	0.50	0.25	ug/l	SW846 8260D BY SIM
Trichloroethylene	2.1	0.50	0.25	ug/l	SW846 8260D BY SIM

FC18326-42 **2434X0BW059F**

Trichloroethylene	0.27 J	0.50	0.25	ug/l	SW846 8260D BY SIM
-------------------	--------	------	------	------	--------------------

(a) Suspected laboratory contaminant. Associated ECC, CCV, and BS recovery outside DOD QSM control limits high.

Sample Results

Report of Analysis

SGS North America Inc.

Report of Analysis

Page 1 of 1

Client Sample ID:	24340BWX210A	Date Sampled:	08/22/24
Lab Sample ID:	FC18326-1	Date Received:	08/27/24
Matrix:	AQ - Trip Blank Water	Percent Solids:	n/a
Method:	SW846 8260D BY SIM		
Project:	Fort Ord Groundwater Monitoring		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	Z76673.D	1	08/30/24 09:46	CS	n/a	n/a	VZ3087
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA Special List

CAS No.	Compound	Result	LOQ	LOD	DL	Units	Q
56-23-5	Carbon Tetrachloride	0.25 U	0.50	0.25	0.10	ug/l	
67-66-3	Chloroform	0.11	0.50	0.25	0.10	ug/l	J
75-35-4	1,1-Dichloroethylene	0.25 U	0.50	0.25	0.10	ug/l	
540-59-0	1,2-Dichloroethene (total)	0.25 U	0.50	0.25	0.10	ug/l	
75-09-2	Methylene Chloride ^a	0.50 U	2.0	0.50	0.50	ug/l	
127-18-4	Tetrachloroethylene	0.25 U	0.50	0.25	0.10	ug/l	
79-01-6	Trichloroethylene	0.25 U	0.50	0.25	0.10	ug/l	
75-01-4	Vinyl Chloride	0.10 U	0.10	0.10	0.050	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
17060-07-0	1,2-Dichloroethane-D4	105%		74-125%
2037-26-5	Toluene-D8	95%		88-111%

(a) Associated ECC and BS outside DOD QSM control limits high, sample is ND.

U = Not detected

LOD = Limit of Detection

J = Indicates an estimated value

LOQ = Limit of Quantitation

DL = Detection Limit

B = Indicates analyte found in associated method blank

E = Indicates value exceeds calibration range

N = Indicates presumptive evidence of a compound

SGS North America Inc.

Report of Analysis

Page 1 of 1

Client Sample ID: 2434X0BW018F	
Lab Sample ID: FC18326-2	Date Sampled: 08/22/24
Matrix: AQ - Ground Water	Date Received: 08/27/24
Method: SW846 8260D BY SIM	Percent Solids: n/a
Project: Fort Ord Groundwater Monitoring	

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	Z76675.D	1	08/30/24 10:32	CS	n/a	n/a	VZ3087
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA Special List

CAS No.	Compound	Result	LOQ	LOD	DL	Units	Q
56-23-5	Carbon Tetrachloride	0.25 U	0.50	0.25	0.10	ug/l	
67-66-3	Chloroform	0.25 U	0.50	0.25	0.10	ug/l	
75-35-4	1,1-Dichloroethylene	0.25 U	0.50	0.25	0.10	ug/l	
540-59-0	1,2-Dichloroethene (total)	0.25 U	0.50	0.25	0.10	ug/l	
75-09-2	Methylene Chloride ^a	0.50 U	2.0	0.50	0.50	ug/l	
127-18-4	Tetrachloroethylene	0.25 U	0.50	0.25	0.10	ug/l	
79-01-6	Trichloroethylene	0.25 U	0.50	0.25	0.10	ug/l	
75-01-4	Vinyl Chloride	0.10 U	0.10	0.10	0.050	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
17060-07-0	1,2-Dichloroethane-D4	108%		74-125%
2037-26-5	Toluene-D8	96%		88-111%

(a) Associated ECC and BS outside DOD QSM control limits high, sample is ND.

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

4.2
 4

SGS North America Inc.

Report of Analysis

Page 1 of 1

Client Sample ID:	2434X00B020F	Date Sampled:	08/22/24
Lab Sample ID:	FC18326-3	Date Received:	08/27/24
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8260D BY SIM		
Project:	Fort Ord Groundwater Monitoring		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	Z76676.D	1	08/30/24 10:55	CS	n/a	n/a	VZ3087
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA Special List

CAS No.	Compound	Result	LOQ	LOD	DL	Units	Q
56-23-5	Carbon Tetrachloride	0.16	0.50	0.25	0.10	ug/l	J
67-66-3	Chloroform	0.25 U	0.50	0.25	0.10	ug/l	
75-35-4	1,1-Dichloroethylene	0.25 U	0.50	0.25	0.10	ug/l	
540-59-0	1,2-Dichloroethene (total)	0.25 U	0.50	0.25	0.10	ug/l	
75-09-2	Methylene Chloride ^a	0.50 U	2.0	0.50	0.50	ug/l	
127-18-4	Tetrachloroethylene	0.25 U	0.50	0.25	0.10	ug/l	
79-01-6	Trichloroethylene	0.25 U	0.50	0.25	0.10	ug/l	
75-01-4	Vinyl Chloride	0.10 U	0.10	0.10	0.050	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
17060-07-0	1,2-Dichloroethane-D4	109%		74-125%
2037-26-5	Toluene-D8	95%		88-111%

(a) Associated ECC and BS outside DOD QSM control limits high, sample is ND.

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

4.3
 4

SGS North America Inc.

Report of Analysis

Page 1 of 1

Client Sample ID:	2434X0BW156F	Date Sampled:	08/22/24
Lab Sample ID:	FC18326-4	Date Received:	08/27/24
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8260D BY SIM		
Project:	Fort Ord Groundwater Monitoring		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	Z76677.D	1	08/30/24 11:18	CS	n/a	n/a	VZ3087
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA Special List

CAS No.	Compound	Result	LOQ	LOD	DL	Units	Q
56-23-5	Carbon Tetrachloride	0.25 U	0.50	0.25	0.10	ug/l	
67-66-3	Chloroform	0.25 U	0.50	0.25	0.10	ug/l	
75-35-4	1,1-Dichloroethylene	0.25 U	0.50	0.25	0.10	ug/l	
540-59-0	1,2-Dichloroethene (total)	0.25 U	0.50	0.25	0.10	ug/l	
75-09-2	Methylene Chloride ^a	0.50 U	2.0	0.50	0.50	ug/l	
127-18-4	Tetrachloroethylene	0.25 U	0.50	0.25	0.10	ug/l	
79-01-6	Trichloroethylene	0.11	0.50	0.25	0.10	ug/l	J
75-01-4	Vinyl Chloride	0.10 U	0.10	0.10	0.050	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
17060-07-0	1,2-Dichloroethane-D4	106%		74-125%
2037-26-5	Toluene-D8	96%		88-111%

(a) Associated ECC and BS outside DOD QSM control limits high, sample is ND.

U = Not detected

LOD = Limit of Detection

J = Indicates an estimated value

LOQ = Limit of Quantitation

DL = Detection Limit

B = Indicates analyte found in associated method blank

E = Indicates value exceeds calibration range

N = Indicates presumptive evidence of a compound

SGS North America Inc.

Report of Analysis

Page 1 of 1

Client Sample ID: 2434X0BW011F	
Lab Sample ID: FC18326-5	Date Sampled: 08/22/24
Matrix: AQ - Ground Water	Date Received: 08/27/24
Method: SW846 8260D BY SIM	Percent Solids: n/a
Project: Fort Ord Groundwater Monitoring	

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	Z76678.D	1	08/30/24 11:41	CS	n/a	n/a	VZ3087
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA Special List

CAS No.	Compound	Result	LOQ	LOD	DL	Units	Q
56-23-5	Carbon Tetrachloride	0.25 U	0.50	0.25	0.10	ug/l	
67-66-3	Chloroform	0.20	0.50	0.25	0.10	ug/l	J
75-35-4	1,1-Dichloroethylene	0.25 U	0.50	0.25	0.10	ug/l	
540-59-0	1,2-Dichloroethene (total)	0.25 U	0.50	0.25	0.10	ug/l	
75-09-2	Methylene Chloride ^a	0.50 U	2.0	0.50	0.50	ug/l	
127-18-4	Tetrachloroethylene	0.25 U	0.50	0.25	0.10	ug/l	
79-01-6	Trichloroethylene	0.21	0.50	0.25	0.10	ug/l	J
75-01-4	Vinyl Chloride	0.10 U	0.10	0.10	0.050	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
17060-07-0	1,2-Dichloroethane-D4	107%		74-125%
2037-26-5	Toluene-D8	96%		88-111%

(a) Associated ECC and BS outside DOD QSM control limits high, sample is ND.

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

4.5
 4

SGS North America Inc.

Report of Analysis

Page 1 of 1

Client Sample ID:	2434X0BW025F	Date Sampled:	08/22/24
Lab Sample ID:	FC18326-6	Date Received:	08/27/24
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8260D BY SIM		
Project:	Fort Ord Groundwater Monitoring		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	Z76679.D	1	08/30/24 12:03	CS	n/a	n/a	VZ3087
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA Special List

CAS No.	Compound	Result	LOQ	LOD	DL	Units	Q
56-23-5	Carbon Tetrachloride	0.13	0.50	0.25	0.10	ug/l	J
67-66-3	Chloroform	0.25 U	0.50	0.25	0.10	ug/l	
75-35-4	1,1-Dichloroethylene	0.25 U	0.50	0.25	0.10	ug/l	
540-59-0	1,2-Dichloroethene (total)	0.25 U	0.50	0.25	0.10	ug/l	
75-09-2	Methylene Chloride ^a	0.50 U	2.0	0.50	0.50	ug/l	
127-18-4	Tetrachloroethylene	0.25 U	0.50	0.25	0.10	ug/l	
79-01-6	Trichloroethylene	0.25 U	0.50	0.25	0.10	ug/l	
75-01-4	Vinyl Chloride	0.10 U	0.10	0.10	0.050	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
17060-07-0	1,2-Dichloroethane-D4	109%		74-125%
2037-26-5	Toluene-D8	96%		88-111%

(a) Associated ECC and BS outside DOD QSM control limits high, sample is ND.

U = Not detected

LOD = Limit of Detection

J = Indicates an estimated value

LOQ = Limit of Quantitation

DL = Detection Limit

B = Indicates analyte found in associated method blank

E = Indicates value exceeds calibration range

N = Indicates presumptive evidence of a compound

SGS North America Inc.

Report of Analysis

Page 1 of 1

Client Sample ID:	2434X0BW051F	Date Sampled:	08/22/24
Lab Sample ID:	FC18326-7	Date Received:	08/27/24
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8260D BY SIM		
Project:	Fort Ord Groundwater Monitoring		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	Z76680.D	1	08/30/24 12:26	CS	n/a	n/a	VZ3087
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA Special List

CAS No.	Compound	Result	LOQ	LOD	DL	Units	Q
56-23-5	Carbon Tetrachloride	0.96	0.50	0.25	0.10	ug/l	
67-66-3	Chloroform	0.25	0.50	0.25	0.10	ug/l	J
75-35-4	1,1-Dichloroethylene	0.25 U	0.50	0.25	0.10	ug/l	
540-59-0	1,2-Dichloroethene (total)	0.25 U	0.50	0.25	0.10	ug/l	
75-09-2	Methylene Chloride ^a	0.50 U	2.0	0.50	0.50	ug/l	
127-18-4	Tetrachloroethylene	0.25 U	0.50	0.25	0.10	ug/l	
79-01-6	Trichloroethylene	0.25 U	0.50	0.25	0.10	ug/l	
75-01-4	Vinyl Chloride	0.10 U	0.10	0.10	0.050	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
17060-07-0	1,2-Dichloroethane-D4	110%		74-125%
2037-26-5	Toluene-D8	96%		88-111%

(a) Associated ECC and BS outside DOD QSM control limits high, sample is ND.

U = Not detected

LOD = Limit of Detection

J = Indicates an estimated value

LOQ = Limit of Quantitation

DL = Detection Limit

B = Indicates analyte found in associated method blank

E = Indicates value exceeds calibration range

N = Indicates presumptive evidence of a compound

SGS North America Inc.

Report of Analysis

Page 1 of 1

Client Sample ID:	2434X0BW055F	Date Sampled:	08/22/24
Lab Sample ID:	FC18326-8	Date Received:	08/27/24
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8260D BY SIM		
Project:	Fort Ord Groundwater Monitoring		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	Z76681.D	1	08/30/24 12:49	CS	n/a	n/a	VZ3087
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA Special List

CAS No.	Compound	Result	LOQ	LOD	DL	Units	Q
56-23-5	Carbon Tetrachloride	0.35	0.50	0.25	0.10	ug/l	J
67-66-3	Chloroform	0.53	0.50	0.25	0.10	ug/l	
75-35-4	1,1-Dichloroethylene	0.25 U	0.50	0.25	0.10	ug/l	
540-59-0	1,2-Dichloroethene (total)	0.25 U	0.50	0.25	0.10	ug/l	
75-09-2	Methylene Chloride ^a	0.50 U	2.0	0.50	0.50	ug/l	
127-18-4	Tetrachloroethylene	0.25 U	0.50	0.25	0.10	ug/l	
79-01-6	Trichloroethylene	0.25 U	0.50	0.25	0.10	ug/l	
75-01-4	Vinyl Chloride	0.10 U	0.10	0.10	0.050	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
17060-07-0	1,2-Dichloroethane-D4	113%		74-125%
2037-26-5	Toluene-D8	95%		88-111%

(a) Associated ECC and BS outside DOD QSM control limits high, sample is ND.

U = Not detected

LOD = Limit of Detection

J = Indicates an estimated value

LOQ = Limit of Quantitation

DL = Detection Limit

B = Indicates analyte found in associated method blank

E = Indicates value exceeds calibration range

N = Indicates presumptive evidence of a compound

SGS North America Inc.

Report of Analysis

Page 1 of 1

Client Sample ID: 24340BWX193C	
Lab Sample ID: FC18326-9	Date Sampled: 08/22/24
Matrix: AQ - Field Blank Water	Date Received: 08/27/24
Method: SW846 8260D BY SIM	Percent Solids: n/a
Project: Fort Ord Groundwater Monitoring	

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	Z76674.D	1	08/30/24 10:09	CS	n/a	n/a	VZ3087
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA Special List

CAS No.	Compound	Result	LOQ	LOD	DL	Units	Q
56-23-5	Carbon Tetrachloride	0.25 U	0.50	0.25	0.10	ug/l	
67-66-3	Chloroform	0.25 U	0.50	0.25	0.10	ug/l	
75-35-4	1,1-Dichloroethylene	0.25 U	0.50	0.25	0.10	ug/l	
540-59-0	1,2-Dichloroethene (total)	0.25 U	0.50	0.25	0.10	ug/l	
75-09-2	Methylene Chloride ^a	0.50 U	2.0	0.50	0.50	ug/l	
127-18-4	Tetrachloroethylene	0.25 U	0.50	0.25	0.10	ug/l	
79-01-6	Trichloroethylene	0.25 U	0.50	0.25	0.10	ug/l	
75-01-4	Vinyl Chloride	0.10 U	0.10	0.10	0.050	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
17060-07-0	1,2-Dichloroethane-D4	108%		74-125%
2037-26-5	Toluene-D8	95%		88-111%

(a) Associated ECC and BS outside DOD QSM control limits high, sample is ND.

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

4.9
4

SGS North America Inc.

Report of Analysis

Page 1 of 1

Client Sample ID: 2434X0BW005F	
Lab Sample ID: FC18326-10	Date Sampled: 08/22/24
Matrix: AQ - Ground Water	Date Received: 08/27/24
Method: SW846 8260D BY SIM	Percent Solids: n/a
Project: Fort Ord Groundwater Monitoring	

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	Z76682.D	1	08/30/24 13:12	CS	n/a	n/a	VZ3087
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA Special List

CAS No.	Compound	Result	LOQ	LOD	DL	Units	Q
56-23-5	Carbon Tetrachloride	0.33	0.50	0.25	0.10	ug/l	J
67-66-3	Chloroform	0.14	0.50	0.25	0.10	ug/l	J
75-35-4	1,1-Dichloroethylene	0.25 U	0.50	0.25	0.10	ug/l	
540-59-0	1,2-Dichloroethene (total)	0.25 U	0.50	0.25	0.10	ug/l	
75-09-2	Methylene Chloride ^a	0.50 U	2.0	0.50	0.50	ug/l	
127-18-4	Tetrachloroethylene	0.25 U	0.50	0.25	0.10	ug/l	
79-01-6	Trichloroethylene	0.22	0.50	0.25	0.10	ug/l	J
75-01-4	Vinyl Chloride	0.10 U	0.10	0.10	0.050	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
17060-07-0	1,2-Dichloroethane-D4	109%		74-125%
2037-26-5	Toluene-D8	96%		88-111%

(a) Associated ECC and BS outside DOD QSM control limits high, sample is ND.

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

4.10
 4

SGS North America Inc.

Report of Analysis

Page 1 of 1

Client Sample ID:	2434X0BW007F	Date Sampled:	08/22/24
Lab Sample ID:	FC18326-11	Date Received:	08/27/24
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8260D BY SIM		
Project:	Fort Ord Groundwater Monitoring		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	Z76683.D	1	08/30/24 13:35	CS	n/a	n/a	VZ3087
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA Special List

CAS No.	Compound	Result	LOQ	LOD	DL	Units	Q
56-23-5	Carbon Tetrachloride	0.59	0.50	0.25	0.10	ug/l	
67-66-3	Chloroform	0.29	0.50	0.25	0.10	ug/l	J
75-35-4	1,1-Dichloroethylene	0.25 U	0.50	0.25	0.10	ug/l	
540-59-0	1,2-Dichloroethene (total)	0.25 U	0.50	0.25	0.10	ug/l	
75-09-2	Methylene Chloride ^a	0.50 U	2.0	0.50	0.50	ug/l	
127-18-4	Tetrachloroethylene	0.25 U	0.50	0.25	0.10	ug/l	
79-01-6	Trichloroethylene	0.71	0.50	0.25	0.10	ug/l	
75-01-4	Vinyl Chloride	0.10 U	0.10	0.10	0.050	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
17060-07-0	1,2-Dichloroethane-D4	108%		74-125%
2037-26-5	Toluene-D8	96%		88-111%

(a) Associated ECC and BS outside DOD QSM control limits high, sample is ND.

U = Not detected

LOD = Limit of Detection

J = Indicates an estimated value

LOQ = Limit of Quantitation

DL = Detection Limit

B = Indicates analyte found in associated method blank

E = Indicates value exceeds calibration range

N = Indicates presumptive evidence of a compound

SGS North America Inc.

Report of Analysis

Page 1 of 1

Client Sample ID:	2434X0BW061D	Date Sampled:	08/22/24
Lab Sample ID:	FC18326-12	Date Received:	08/27/24
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8260D BY SIM		
Project:	Fort Ord Groundwater Monitoring		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	Z76684.D	1	08/30/24 13:58	CS	n/a	n/a	VZ3087
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA Special List

CAS No.	Compound	Result	LOQ	LOD	DL	Units	Q
56-23-5	Carbon Tetrachloride	0.59	0.50	0.25	0.10	ug/l	
67-66-3	Chloroform	0.29	0.50	0.25	0.10	ug/l	J
75-35-4	1,1-Dichloroethylene	0.25 U	0.50	0.25	0.10	ug/l	
540-59-0	1,2-Dichloroethene (total)	0.25 U	0.50	0.25	0.10	ug/l	
75-09-2	Methylene Chloride ^a	0.50 U	2.0	0.50	0.50	ug/l	
127-18-4	Tetrachloroethylene	0.25 U	0.50	0.25	0.10	ug/l	
79-01-6	Trichloroethylene	0.69	0.50	0.25	0.10	ug/l	
75-01-4	Vinyl Chloride	0.10 U	0.10	0.10	0.050	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
17060-07-0	1,2-Dichloroethane-D4	110%		74-125%
2037-26-5	Toluene-D8	96%		88-111%

(a) Associated ECC and BS outside DOD QSM control limits high, sample is ND.

U = Not detected

LOD = Limit of Detection

J = Indicates an estimated value

LOQ = Limit of Quantitation

DL = Detection Limit

B = Indicates analyte found in associated method blank

E = Indicates value exceeds calibration range

N = Indicates presumptive evidence of a compound

SGS North America Inc.

Report of Analysis

Page 1 of 1

Client Sample ID:	2434X0BW024F	Date Sampled:	08/22/24
Lab Sample ID:	FC18326-13	Date Received:	08/27/24
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8260D BY SIM		
Project:	Fort Ord Groundwater Monitoring		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	Z76685.D	1	08/30/24 14:21	CS	n/a	n/a	VZ3087
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA Special List

CAS No.	Compound	Result	LOQ	LOD	DL	Units	Q
56-23-5	Carbon Tetrachloride	0.77	0.50	0.25	0.10	ug/l	
67-66-3	Chloroform	0.32	0.50	0.25	0.10	ug/l	J
75-35-4	1,1-Dichloroethylene	0.25 U	0.50	0.25	0.10	ug/l	
540-59-0	1,2-Dichloroethene (total)	0.25 U	0.50	0.25	0.10	ug/l	
75-09-2	Methylene Chloride ^a	0.50 U	2.0	0.50	0.50	ug/l	
127-18-4	Tetrachloroethylene	0.25 U	0.50	0.25	0.10	ug/l	
79-01-6	Trichloroethylene	0.46	0.50	0.25	0.10	ug/l	J
75-01-4	Vinyl Chloride	0.10 U	0.10	0.10	0.050	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
17060-07-0	1,2-Dichloroethane-D4	109%		74-125%
2037-26-5	Toluene-D8	96%		88-111%

(a) Associated ECC and BS outside DOD QSM control limits high, sample is ND.

U = Not detected

LOD = Limit of Detection

J = Indicates an estimated value

LOQ = Limit of Quantitation

DL = Detection Limit

B = Indicates analyte found in associated method blank

E = Indicates value exceeds calibration range

N = Indicates presumptive evidence of a compound

SGS North America Inc.

Report of Analysis

Page 1 of 1

Client Sample ID: 2434X0BW062D	
Lab Sample ID: FC18326-14	Date Sampled: 08/22/24
Matrix: AQ - Ground Water	Date Received: 08/27/24
Method: SW846 8260D BY SIM	Percent Solids: n/a
Project: Fort Ord Groundwater Monitoring	

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	Z76686.D	1	08/30/24 14:44	CS	n/a	n/a	VZ3087
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA Special List

CAS No.	Compound	Result	LOQ	LOD	DL	Units	Q
56-23-5	Carbon Tetrachloride	0.75	0.50	0.25	0.10	ug/l	
67-66-3	Chloroform	0.33	0.50	0.25	0.10	ug/l	J
75-35-4	1,1-Dichloroethylene	0.25 U	0.50	0.25	0.10	ug/l	
540-59-0	1,2-Dichloroethene (total)	0.25 U	0.50	0.25	0.10	ug/l	
75-09-2	Methylene Chloride ^a	0.50 U	2.0	0.50	0.50	ug/l	
127-18-4	Tetrachloroethylene	0.25 U	0.50	0.25	0.10	ug/l	
79-01-6	Trichloroethylene	0.45	0.50	0.25	0.10	ug/l	J
75-01-4	Vinyl Chloride	0.10 U	0.10	0.10	0.050	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
17060-07-0	1,2-Dichloroethane-D4	113%		74-125%
2037-26-5	Toluene-D8	96%		88-111%

(a) Associated ECC and BS outside DOD QSM control limits high, sample is ND.

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

4.14
4

SGS North America Inc.

Report of Analysis

Page 1 of 1

Client Sample ID: 2434X0BW009F	
Lab Sample ID: FC18326-15	Date Sampled: 08/22/24
Matrix: AQ - Ground Water	Date Received: 08/27/24
Method: SW846 8260D BY SIM	Percent Solids: n/a
Project: Fort Ord Groundwater Monitoring	

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	Z76687.D	1	08/30/24 15:07	CS	n/a	n/a	VZ3087
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA Special List

CAS No.	Compound	Result	LOQ	LOD	DL	Units	Q
56-23-5	Carbon Tetrachloride	0.10	0.50	0.25	0.10	ug/l	J
67-66-3	Chloroform	0.10	0.50	0.25	0.10	ug/l	J
75-35-4	1,1-Dichloroethylene	0.25 U	0.50	0.25	0.10	ug/l	
540-59-0	1,2-Dichloroethene (total)	0.25 U	0.50	0.25	0.10	ug/l	
75-09-2	Methylene Chloride ^a	0.50 U	2.0	0.50	0.50	ug/l	
127-18-4	Tetrachloroethylene	0.25 U	0.50	0.25	0.10	ug/l	
79-01-6	Trichloroethylene	0.25 U	0.50	0.25	0.10	ug/l	
75-01-4	Vinyl Chloride	0.10 U	0.10	0.10	0.050	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
17060-07-0	1,2-Dichloroethane-D4	112%		74-125%
2037-26-5	Toluene-D8	96%		88-111%

(a) Associated ECC and BS outside DOD QSM control limits high, sample is ND.

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

4.15
4

SGS North America Inc.

Report of Analysis

Page 1 of 1

Client Sample ID:	2434X0BW026F	Date Sampled:	08/22/24
Lab Sample ID:	FC18326-16	Date Received:	08/27/24
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8260D BY SIM		
Project:	Fort Ord Groundwater Monitoring		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	Z76688.D	1	08/30/24 15:30	CS	n/a	n/a	VZ3087
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA Special List

CAS No.	Compound	Result	LOQ	LOD	DL	Units	Q
56-23-5	Carbon Tetrachloride	0.25 U	0.50	0.25	0.10	ug/l	
67-66-3	Chloroform	0.34	0.50	0.25	0.10	ug/l	J
75-35-4	1,1-Dichloroethylene	0.25 U	0.50	0.25	0.10	ug/l	
540-59-0	1,2-Dichloroethene (total)	0.25 U	0.50	0.25	0.10	ug/l	
75-09-2	Methylene Chloride ^a	0.50 U	2.0	0.50	0.50	ug/l	
127-18-4	Tetrachloroethylene	0.25 U	0.50	0.25	0.10	ug/l	
79-01-6	Trichloroethylene	0.29	0.50	0.25	0.10	ug/l	J
75-01-4	Vinyl Chloride	0.10 U	0.10	0.10	0.050	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
17060-07-0	1,2-Dichloroethane-D4	114%		74-125%
2037-26-5	Toluene-D8	95%		88-111%

(a) Associated ECC and BS outside DOD QSM control limits high, sample is ND.

U = Not detected

LOD = Limit of Detection

J = Indicates an estimated value

LOQ = Limit of Quantitation

DL = Detection Limit

B = Indicates analyte found in associated method blank

E = Indicates value exceeds calibration range

N = Indicates presumptive evidence of a compound

SGS North America Inc.

Report of Analysis

Page 1 of 1

Client Sample ID: 2434X0BW054F	
Lab Sample ID: FC18326-17	Date Sampled: 08/22/24
Matrix: AQ - Ground Water	Date Received: 08/27/24
Method: SW846 8260D BY SIM	Percent Solids: n/a
Project: Fort Ord Groundwater Monitoring	

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	Z76689.D	1	08/30/24 15:52	CS	n/a	n/a	VZ3087
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA Special List

CAS No.	Compound	Result	LOQ	LOD	DL	Units	Q
56-23-5	Carbon Tetrachloride	0.60	0.50	0.25	0.10	ug/l	
67-66-3	Chloroform	0.15	0.50	0.25	0.10	ug/l	J
75-35-4	1,1-Dichloroethylene	0.25 U	0.50	0.25	0.10	ug/l	
540-59-0	1,2-Dichloroethene (total)	0.25 U	0.50	0.25	0.10	ug/l	
75-09-2	Methylene Chloride ^a	0.50 U	2.0	0.50	0.50	ug/l	
127-18-4	Tetrachloroethylene	0.25 U	0.50	0.25	0.10	ug/l	
79-01-6	Trichloroethylene	0.25 U	0.50	0.25	0.10	ug/l	
75-01-4	Vinyl Chloride	0.10 U	0.10	0.10	0.050	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
17060-07-0	1,2-Dichloroethane-D4	112%		74-125%
2037-26-5	Toluene-D8	96%		88-111%

(a) Associated ECC and BS outside DOD QSM control limits high, sample is ND.

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

4.17
 4

SGS North America Inc.

Report of Analysis

Page 1 of 1

Client Sample ID: 2434X0BW027F	
Lab Sample ID: FC18326-18	Date Sampled: 08/22/24
Matrix: AQ - Ground Water	Date Received: 08/27/24
Method: SW846 8260D BY SIM	Percent Solids: n/a
Project: Fort Ord Groundwater Monitoring	

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	Z76690.D	1	08/30/24 16:15	CS	n/a	n/a	VZ3087
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA Special List

CAS No.	Compound	Result	LOQ	LOD	DL	Units	Q
56-23-5	Carbon Tetrachloride	0.42	0.50	0.25	0.10	ug/l	J
67-66-3	Chloroform	0.16	0.50	0.25	0.10	ug/l	J
75-35-4	1,1-Dichloroethylene	0.25 U	0.50	0.25	0.10	ug/l	
540-59-0	1,2-Dichloroethene (total)	0.25 U	0.50	0.25	0.10	ug/l	
75-09-2	Methylene Chloride ^a	0.50 U	2.0	0.50	0.50	ug/l	
127-18-4	Tetrachloroethylene	0.25 U	0.50	0.25	0.10	ug/l	
79-01-6	Trichloroethylene	0.25 U	0.50	0.25	0.10	ug/l	
75-01-4	Vinyl Chloride	0.10 U	0.10	0.10	0.050	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
17060-07-0	1,2-Dichloroethane-D4	114%		74-125%
2037-26-5	Toluene-D8	96%		88-111%

(a) Associated ECC and BS outside DOD QSM control limits high, sample is ND.

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

4.18
4

SGS North America Inc.

Report of Analysis

Page 1 of 1

Client Sample ID: 2434X0BW028F	
Lab Sample ID: FC18326-19	Date Sampled: 08/22/24
Matrix: AQ - Ground Water	Date Received: 08/27/24
Method: SW846 8260D BY SIM	Percent Solids: n/a
Project: Fort Ord Groundwater Monitoring	

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	Z76691.D	1	08/30/24 16:38	CS	n/a	n/a	VZ3087
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA Special List

CAS No.	Compound	Result	LOQ	LOD	DL	Units	Q
56-23-5	Carbon Tetrachloride	0.25 U	0.50	0.25	0.10	ug/l	
67-66-3	Chloroform	1.9	0.50	0.25	0.10	ug/l	
75-35-4	1,1-Dichloroethylene	0.25 U	0.50	0.25	0.10	ug/l	
540-59-0	1,2-Dichloroethene (total)	0.25 U	0.50	0.25	0.10	ug/l	
75-09-2	Methylene Chloride ^a	0.50 U	2.0	0.50	0.50	ug/l	
127-18-4	Tetrachloroethylene	0.25 U	0.50	0.25	0.10	ug/l	
79-01-6	Trichloroethylene	0.25 U	0.50	0.25	0.10	ug/l	
75-01-4	Vinyl Chloride	0.10 U	0.10	0.10	0.050	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
17060-07-0	1,2-Dichloroethane-D4	113%		74-125%
2037-26-5	Toluene-D8	96%		88-111%

(a) Associated ECC and BS outside DOD QSM control limits high, sample is ND.

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

4.19
4

SGS North America Inc.

Report of Analysis

Page 1 of 1

Client Sample ID:	2434X0BW029F	Date Sampled:	08/22/24
Lab Sample ID:	FC18326-20	Date Received:	08/27/24
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8260D BY SIM		
Project:	Fort Ord Groundwater Monitoring		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	Z76692.D	1	08/30/24 17:01	CS	n/a	n/a	VZ3087
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA Special List

CAS No.	Compound	Result	LOQ	LOD	DL	Units	Q
56-23-5	Carbon Tetrachloride	0.38	0.50	0.25	0.10	ug/l	J
67-66-3	Chloroform	1.1	0.50	0.25	0.10	ug/l	
75-35-4	1,1-Dichloroethylene	0.25 U	0.50	0.25	0.10	ug/l	
540-59-0	1,2-Dichloroethene (total)	0.25 U	0.50	0.25	0.10	ug/l	
75-09-2	Methylene Chloride ^a	0.50 U	2.0	0.50	0.50	ug/l	
127-18-4	Tetrachloroethylene	0.25 U	0.50	0.25	0.10	ug/l	
79-01-6	Trichloroethylene	0.25 U	0.50	0.25	0.10	ug/l	
75-01-4	Vinyl Chloride	0.10 U	0.10	0.10	0.050	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
17060-07-0	1,2-Dichloroethane-D4	112%		74-125%
2037-26-5	Toluene-D8	96%		88-111%

(a) Associated ECC and BS outside DOD QSM control limits high, sample is ND.

U = Not detected

LOD = Limit of Detection

J = Indicates an estimated value

LOQ = Limit of Quantitation

DL = Detection Limit

B = Indicates analyte found in associated method blank

E = Indicates value exceeds calibration range

N = Indicates presumptive evidence of a compound

SGS North America Inc.

Report of Analysis

Page 1 of 1

Client Sample ID:	2434X00B019F	Date Sampled:	08/22/24
Lab Sample ID:	FC18326-21	Date Received:	08/27/24
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8260D BY SIM		
Project:	Fort Ord Groundwater Monitoring		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	Z76719.D	1	09/03/24 16:41	CS	n/a	n/a	VZ3088
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA Special List

CAS No.	Compound	Result	LOQ	LOD	DL	Units	Q
56-23-5	Carbon Tetrachloride	0.39	0.50	0.25	0.10	ug/l	J
67-66-3	Chloroform	0.54	0.50	0.25	0.10	ug/l	
75-35-4	1,1-Dichloroethylene	0.25 U	0.50	0.25	0.10	ug/l	
540-59-0	1,2-Dichloroethene (total)	0.25 U	0.50	0.25	0.10	ug/l	
75-09-2	Methylene Chloride ^a	0.50 U	2.0	0.50	0.50	ug/l	
127-18-4	Tetrachloroethylene	0.25 U	0.50	0.25	0.10	ug/l	
79-01-6	Trichloroethylene	0.25 U	0.50	0.25	0.10	ug/l	
75-01-4	Vinyl Chloride	0.10 U	0.10	0.10	0.050	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
17060-07-0	1,2-Dichloroethane-D4	116%		74-125%
2037-26-5	Toluene-D8	94%		88-111%

(a) Suspected Laboratory contaminant. Associated CCV, ECC, and BS recovery outside DOD QSM control limits high, sample is ND.

U = Not detected

LOD = Limit of Detection

J = Indicates an estimated value

LOQ = Limit of Quantitation

DL = Detection Limit

B = Indicates analyte found in associated method blank

E = Indicates value exceeds calibration range

N = Indicates presumptive evidence of a compound

SGS North America Inc.

Report of Analysis

Page 1 of 1

Client Sample ID: 2434X0BW063D	
Lab Sample ID: FC18326-22	Date Sampled: 08/22/24
Matrix: AQ - Ground Water	Date Received: 08/27/24
Method: SW846 8260D BY SIM	Percent Solids: n/a
Project: Fort Ord Groundwater Monitoring	

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	Z76720.D	1	09/03/24 17:03	CS	n/a	n/a	VZ3088
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA Special List

CAS No.	Compound	Result	LOQ	LOD	DL	Units	Q
56-23-5	Carbon Tetrachloride	0.38	0.50	0.25	0.10	ug/l	J
67-66-3	Chloroform	0.57	0.50	0.25	0.10	ug/l	
75-35-4	1,1-Dichloroethylene	0.25 U	0.50	0.25	0.10	ug/l	
540-59-0	1,2-Dichloroethene (total)	0.25 U	0.50	0.25	0.10	ug/l	
75-09-2	Methylene Chloride ^a	0.50 U	2.0	0.50	0.50	ug/l	
127-18-4	Tetrachloroethylene	0.25 U	0.50	0.25	0.10	ug/l	
79-01-6	Trichloroethylene	0.25 U	0.50	0.25	0.10	ug/l	
75-01-4	Vinyl Chloride	0.10 U	0.10	0.10	0.050	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
17060-07-0	1,2-Dichloroethane-D4	118%		74-125%
2037-26-5	Toluene-D8	94%		88-111%

(a) Suspected Laboratory contaminant. Associated CCV, ECC, and BS recovery outside DOD QSM control limits high, sample is ND.

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

4.22
 4

SGS North America Inc.

Report of Analysis

Page 1 of 1

Client Sample ID:	2434X0BW031F	Date Sampled:	08/22/24
Lab Sample ID:	FC18326-23	Date Received:	08/27/24
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8260D BY SIM		
Project:	Fort Ord Groundwater Monitoring		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	N0132428.D	1	09/04/24 09:39	JW	n/a	n/a	VN6714
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA Special List

CAS No.	Compound	Result	LOQ	LOD	DL	Units	Q
56-23-5	Carbon Tetrachloride	0.25 U	0.50	0.25	0.10	ug/l	
67-66-3	Chloroform	0.25 U	0.50	0.25	0.10	ug/l	
75-35-4	1,1-Dichloroethylene	0.25 U	0.50	0.25	0.10	ug/l	
540-59-0	1,2-Dichloroethene (total)	0.25 U	0.50	0.25	0.10	ug/l	
75-09-2	Methylene Chloride ^a	1.5	2.0	0.50	0.50	ug/l	JB
127-18-4	Tetrachloroethylene	0.25 U	0.50	0.25	0.10	ug/l	
79-01-6	Trichloroethylene	0.25 U	0.50	0.25	0.10	ug/l	
75-01-4	Vinyl Chloride ^b	0.10 U	0.10	0.10	0.050	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
17060-07-0	1,2-Dichloroethane-D4	108%		74-125%
2037-26-5	Toluene-D8	103%		88-111%

(a) Suspected laboratory contaminant. Associated ECC, CCV, and BS recovery outside DOD QSM control limits high.

(b) Associated CCV outside of DOD QSM control limits high, sample is ND.

U = Not detected

LOD = Limit of Detection

J = Indicates an estimated value

LOQ = Limit of Quantitation

DL = Detection Limit

B = Indicates analyte found in associated method blank

E = Indicates value exceeds calibration range

N = Indicates presumptive evidence of a compound

SGS North America Inc.

Report of Analysis

Page 1 of 1

Client Sample ID:	2434X0BW038F	Date Sampled:	08/22/24
Lab Sample ID:	FC18326-24	Date Received:	08/27/24
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8260D BY SIM		
Project:	Fort Ord Groundwater Monitoring		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	N0132429.D	1	09/04/24 10:02	JW	n/a	n/a	VN6714
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA Special List

CAS No.	Compound	Result	LOQ	LOD	DL	Units	Q
56-23-5	Carbon Tetrachloride	0.10	0.50	0.25	0.10	ug/l	J
67-66-3	Chloroform	0.46	0.50	0.25	0.10	ug/l	J
75-35-4	1,1-Dichloroethylene	0.25 U	0.50	0.25	0.10	ug/l	
540-59-0	1,2-Dichloroethene (total)	0.25 U	0.50	0.25	0.10	ug/l	
75-09-2	Methylene Chloride ^a	1.5	2.0	0.50	0.50	ug/l	JB
127-18-4	Tetrachloroethylene	0.25 U	0.50	0.25	0.10	ug/l	
79-01-6	Trichloroethylene	0.25 U	0.50	0.25	0.10	ug/l	
75-01-4	Vinyl Chloride ^b	0.10 U	0.10	0.10	0.050	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
17060-07-0	1,2-Dichloroethane-D4	109%		74-125%
2037-26-5	Toluene-D8	103%		88-111%

(a) Suspected laboratory contaminant. Associated ECC, CCV, and BS recovery outside DOD QSM control limits high.

(b) Associated CCV outside of DOD QSM control limits high, sample is ND.

U = Not detected

LOD = Limit of Detection

J = Indicates an estimated value

LOQ = Limit of Quantitation

DL = Detection Limit

B = Indicates analyte found in associated method blank

E = Indicates value exceeds calibration range

N = Indicates presumptive evidence of a compound

SGS North America Inc.

Report of Analysis

Page 1 of 1

Client Sample ID:	24340BWX212A	Date Sampled:	08/23/24
Lab Sample ID:	FC18326-25	Date Received:	08/27/24
Matrix:	AQ - Trip Blank Water	Percent Solids:	n/a
Method:	SW846 8260D BY SIM		
Project:	Fort Ord Groundwater Monitoring		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	N0132426.D	1	09/04/24 08:52	JW	n/a	n/a	VN6714
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA Special List

CAS No.	Compound	Result	LOQ	LOD	DL	Units	Q
56-23-5	Carbon Tetrachloride	0.25 U	0.50	0.25	0.10	ug/l	
67-66-3	Chloroform	0.14	0.50	0.25	0.10	ug/l	J
75-35-4	1,1-Dichloroethylene	0.25 U	0.50	0.25	0.10	ug/l	
540-59-0	1,2-Dichloroethene (total)	0.25 U	0.50	0.25	0.10	ug/l	
75-09-2	Methylene Chloride ^a	2.4	2.0	0.50	0.50	ug/l	B
127-18-4	Tetrachloroethylene	0.25 U	0.50	0.25	0.10	ug/l	
79-01-6	Trichloroethylene	0.25 U	0.50	0.25	0.10	ug/l	
75-01-4	Vinyl Chloride ^b	0.10 U	0.10	0.10	0.050	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
17060-07-0	1,2-Dichloroethane-D4	107%		74-125%
2037-26-5	Toluene-D8	104%		88-111%

(a) Suspected laboratory contaminant. Associated ECC, CCV, and BS recovery outside DOD QSM control limits high.

(b) Associated CCV outside of DOD QSM control limits high, sample is ND.

U = Not detected

LOD = Limit of Detection

J = Indicates an estimated value

LOQ = Limit of Quantitation

DL = Detection Limit

B = Indicates analyte found in associated method blank

E = Indicates value exceeds calibration range

N = Indicates presumptive evidence of a compound

SGS North America Inc.

Report of Analysis

Page 1 of 1

Client Sample ID:	2434X0BW006F	Date Sampled:	08/23/24
Lab Sample ID:	FC18326-26	Date Received:	08/27/24
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8260D BY SIM		
Project:	Fort Ord Groundwater Monitoring		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	N0132430.D	1	09/04/24 10:26	JW	n/a	n/a	VN6714
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA Special List

CAS No.	Compound	Result	LOQ	LOD	DL	Units	Q
56-23-5	Carbon Tetrachloride	0.49	0.50	0.25	0.10	ug/l	J
67-66-3	Chloroform	0.36	0.50	0.25	0.10	ug/l	J
75-35-4	1,1-Dichloroethylene	0.25 U	0.50	0.25	0.10	ug/l	
540-59-0	1,2-Dichloroethene (total)	0.25 U	0.50	0.25	0.10	ug/l	
75-09-2	Methylene Chloride ^a	1.5	2.0	0.50	0.50	ug/l	JB
127-18-4	Tetrachloroethylene	0.25 U	0.50	0.25	0.10	ug/l	
79-01-6	Trichloroethylene	0.85	0.50	0.25	0.10	ug/l	
75-01-4	Vinyl Chloride ^b	0.10 U	0.10	0.10	0.050	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
17060-07-0	1,2-Dichloroethane-D4	108%		74-125%
2037-26-5	Toluene-D8	103%		88-111%

(a) Suspected laboratory contaminant. Associated ECC, CCV, and BS recovery outside DOD QSM control limits high.

(b) Associated CCV outside of DOD QSM control limits high, sample is ND.

U = Not detected

LOD = Limit of Detection

J = Indicates an estimated value

LOQ = Limit of Quantitation

DL = Detection Limit

B = Indicates analyte found in associated method blank

E = Indicates value exceeds calibration range

N = Indicates presumptive evidence of a compound

SGS North America Inc.

Report of Analysis

Page 1 of 1

Client Sample ID:	2434X0BW008F	Date Sampled:	08/23/24
Lab Sample ID:	FC18326-27	Date Received:	08/27/24
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8260D BY SIM		
Project:	Fort Ord Groundwater Monitoring		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	N0132431.D	1	09/04/24 10:49	JW	n/a	n/a	VN6714
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA Special List

CAS No.	Compound	Result	LOQ	LOD	DL	Units	Q
56-23-5	Carbon Tetrachloride	0.25 U	0.50	0.25	0.10	ug/l	
67-66-3	Chloroform	0.25 U	0.50	0.25	0.10	ug/l	
75-35-4	1,1-Dichloroethylene	0.25 U	0.50	0.25	0.10	ug/l	
540-59-0	1,2-Dichloroethene (total)	0.30	0.50	0.25	0.10	ug/l	J
75-09-2	Methylene Chloride ^a	1.4	2.0	0.50	0.50	ug/l	JB
127-18-4	Tetrachloroethylene	0.25 U	0.50	0.25	0.10	ug/l	
79-01-6	Trichloroethylene	0.86	0.50	0.25	0.10	ug/l	
75-01-4	Vinyl Chloride ^b	0.10 U	0.10	0.10	0.050	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
17060-07-0	1,2-Dichloroethane-D4	109%		74-125%
2037-26-5	Toluene-D8	104%		88-111%

(a) Suspected laboratory contaminant. Associated ECC, CCV, and BS recovery outside DOD QSM control limits high.

(b) Associated CCV outside of DOD QSM control limits high, sample is ND.

U = Not detected

LOD = Limit of Detection

J = Indicates an estimated value

LOQ = Limit of Quantitation

DL = Detection Limit

B = Indicates analyte found in associated method blank

E = Indicates value exceeds calibration range

N = Indicates presumptive evidence of a compound

SGS North America Inc.

Report of Analysis

Page 1 of 1

Client Sample ID:	2434X0BW010F	Date Sampled:	08/23/24
Lab Sample ID:	FC18326-28	Date Received:	08/27/24
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8260D BY SIM		
Project:	Fort Ord Groundwater Monitoring		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	N0132432.D	1	09/04/24 11:12	JW	n/a	n/a	VN6714
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA Special List

CAS No.	Compound	Result	LOQ	LOD	DL	Units	Q
56-23-5	Carbon Tetrachloride	0.25 U	0.50	0.25	0.10	ug/l	
67-66-3	Chloroform	0.11	0.50	0.25	0.10	ug/l	J
75-35-4	1,1-Dichloroethylene	0.25 U	0.50	0.25	0.10	ug/l	
540-59-0	1,2-Dichloroethene (total)	0.25 U	0.50	0.25	0.10	ug/l	
75-09-2	Methylene Chloride ^a	1.4	2.0	0.50	0.50	ug/l	JB
127-18-4	Tetrachloroethylene	0.25 U	0.50	0.25	0.10	ug/l	
79-01-6	Trichloroethylene	0.25 U	0.50	0.25	0.10	ug/l	
75-01-4	Vinyl Chloride ^b	0.10 U	0.10	0.10	0.050	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
17060-07-0	1,2-Dichloroethane-D4	109%		74-125%
2037-26-5	Toluene-D8	104%		88-111%

(a) Suspected laboratory contaminant. Associated ECC, CCV, and BS recovery outside DOD QSM control limits high.

(b) Associated CCV outside of DOD QSM control limits high, sample is ND.

U = Not detected

LOD = Limit of Detection

J = Indicates an estimated value

LOQ = Limit of Quantitation

DL = Detection Limit

B = Indicates analyte found in associated method blank

E = Indicates value exceeds calibration range

N = Indicates presumptive evidence of a compound

SGS North America Inc.

Report of Analysis

Page 1 of 1

Client Sample ID:	2434X0BW012F	Date Sampled:	08/23/24
Lab Sample ID:	FC18326-29	Date Received:	08/27/24
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8260D BY SIM		
Project:	Fort Ord Groundwater Monitoring		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	N0132433.D	1	09/04/24 11:35	JW	n/a	n/a	VN6714
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA Special List

CAS No.	Compound	Result	LOQ	LOD	DL	Units	Q
56-23-5	Carbon Tetrachloride	0.11	0.50	0.25	0.10	ug/l	J
67-66-3	Chloroform	0.25 U	0.50	0.25	0.10	ug/l	
75-35-4	1,1-Dichloroethylene	0.25 U	0.50	0.25	0.10	ug/l	
540-59-0	1,2-Dichloroethene (total)	0.10	0.50	0.25	0.10	ug/l	J
75-09-2	Methylene Chloride ^a	1.4	2.0	0.50	0.50	ug/l	JB
127-18-4	Tetrachloroethylene	0.25 U	0.50	0.25	0.10	ug/l	
79-01-6	Trichloroethylene	0.98	0.50	0.25	0.10	ug/l	
75-01-4	Vinyl Chloride ^b	0.10 U	0.10	0.10	0.050	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
17060-07-0	1,2-Dichloroethane-D4	110%		74-125%
2037-26-5	Toluene-D8	104%		88-111%

(a) Suspected laboratory contaminant. Associated ECC, CCV, and BS recovery outside DOD QSM control limits high.

(b) Associated CCV outside of DOD QSM control limits high, sample is ND.

U = Not detected

LOD = Limit of Detection

J = Indicates an estimated value

LOQ = Limit of Quantitation

DL = Detection Limit

B = Indicates analyte found in associated method blank

E = Indicates value exceeds calibration range

N = Indicates presumptive evidence of a compound

SGS North America Inc.

Report of Analysis

Page 1 of 1

Client Sample ID:	2434XOU2001F	Date Sampled:	08/23/24
Lab Sample ID:	FC18326-30	Date Received:	08/27/24
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8260D BY SIM		
Project:	Fort Ord Groundwater Monitoring		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	N0132434.D	1	09/04/24 11:59	JW	n/a	n/a	VN6714
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA Special List

CAS No.	Compound	Result	LOQ	LOD	DL	Units	Q
56-23-5	Carbon Tetrachloride	0.25 U	0.50	0.25	0.10	ug/l	
67-66-3	Chloroform	0.18	0.50	0.25	0.10	ug/l	J
75-35-4	1,1-Dichloroethylene	0.25 U	0.50	0.25	0.10	ug/l	
540-59-0	1,2-Dichloroethene (total)	0.25 U	0.50	0.25	0.10	ug/l	
75-09-2	Methylene Chloride ^a	1.4	2.0	0.50	0.50	ug/l	JB
127-18-4	Tetrachloroethylene	0.25 U	0.50	0.25	0.10	ug/l	
79-01-6	Trichloroethylene	0.25 U	0.50	0.25	0.10	ug/l	
75-01-4	Vinyl Chloride ^b	0.10 U	0.10	0.10	0.050	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
17060-07-0	1,2-Dichloroethane-D4	109%		74-125%
2037-26-5	Toluene-D8	103%		88-111%

(a) Suspected laboratory contaminant. Associated ECC, CCV, and BS recovery outside DOD QSM control limits high.

(b) Associated CCV outside of DOD QSM control limits high, sample is ND.

U = Not detected

LOD = Limit of Detection

J = Indicates an estimated value

LOQ = Limit of Quantitation

DL = Detection Limit

B = Indicates analyte found in associated method blank

E = Indicates value exceeds calibration range

N = Indicates presumptive evidence of a compound

SGS North America Inc.

Report of Analysis

Page 1 of 1

Client Sample ID:	2434XOU2002F	Date Sampled:	08/23/24
Lab Sample ID:	FC18326-31	Date Received:	08/27/24
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8260D BY SIM		
Project:	Fort Ord Groundwater Monitoring		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	N0132435.D	1	09/04/24 12:22	JW	n/a	n/a	VN6714
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA Special List

CAS No.	Compound	Result	LOQ	LOD	DL	Units	Q
56-23-5	Carbon Tetrachloride	0.42	0.50	0.25	0.10	ug/l	J
67-66-3	Chloroform	0.25 U	0.50	0.25	0.10	ug/l	
75-35-4	1,1-Dichloroethylene	0.25 U	0.50	0.25	0.10	ug/l	
540-59-0	1,2-Dichloroethene (total)	0.25 U	0.50	0.25	0.10	ug/l	
75-09-2	Methylene Chloride ^a	1.4	2.0	0.50	0.50	ug/l	JB
127-18-4	Tetrachloroethylene	0.25 U	0.50	0.25	0.10	ug/l	
79-01-6	Trichloroethylene	0.25 U	0.50	0.25	0.10	ug/l	
75-01-4	Vinyl Chloride ^b	0.10 U	0.10	0.10	0.050	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
17060-07-0	1,2-Dichloroethane-D4	110%		74-125%
2037-26-5	Toluene-D8	103%		88-111%

(a) Suspected laboratory contaminant. Associated ECC, CCV, and BS recovery outside DOD QSM control limits high.

(b) Associated CCV outside of DOD QSM control limits high, sample is ND.

U = Not detected

LOD = Limit of Detection

J = Indicates an estimated value

LOQ = Limit of Quantitation

DL = Detection Limit

B = Indicates analyte found in associated method blank

E = Indicates value exceeds calibration range

N = Indicates presumptive evidence of a compound

SGS North America Inc.

Report of Analysis

Page 1 of 1

Client Sample ID:	2434Y0BW215A	Date Sampled:	08/23/24
Lab Sample ID:	FC18326-32	Date Received:	08/27/24
Matrix:	AQ - Trip Blank Water	Percent Solids:	n/a
Method:	SW846 8260D BY SIM		
Project:	Fort Ord Groundwater Monitoring		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	N0132427.D	1	09/04/24 09:16	JW	n/a	n/a	VN6714
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA Special List

CAS No.	Compound	Result	LOQ	LOD	DL	Units	Q
56-23-5	Carbon Tetrachloride	0.25 U	0.50	0.25	0.10	ug/l	
67-66-3	Chloroform	0.25 U	0.50	0.25	0.10	ug/l	
75-35-4	1,1-Dichloroethylene	0.25 U	0.50	0.25	0.10	ug/l	
540-59-0	1,2-Dichloroethene (total)	0.25 U	0.50	0.25	0.10	ug/l	
75-09-2	Methylene Chloride ^a	1.5	2.0	0.50	0.50	ug/l	JB
127-18-4	Tetrachloroethylene	0.25 U	0.50	0.25	0.10	ug/l	
79-01-6	Trichloroethylene	0.25 U	0.50	0.25	0.10	ug/l	
75-01-4	Vinyl Chloride ^b	0.10 U	0.10	0.10	0.050	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
17060-07-0	1,2-Dichloroethane-D4	107%		74-125%
2037-26-5	Toluene-D8	104%		88-111%

(a) Suspected laboratory contaminant. Associated ECC, CCV, and BS recovery outside DOD QSM control limits high.

(b) Associated CCV outside of DOD QSM control limits high, sample is ND.

U = Not detected

LOD = Limit of Detection

J = Indicates an estimated value

LOQ = Limit of Quantitation

DL = Detection Limit

B = Indicates analyte found in associated method blank

E = Indicates value exceeds calibration range

N = Indicates presumptive evidence of a compound

SGS North America Inc.

Report of Analysis

Page 1 of 1

Client Sample ID:	2434X0BW040F	Date Sampled:	08/23/24
Lab Sample ID:	FC18326-33	Date Received:	08/27/24
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8260D BY SIM		
Project:	Fort Ord Groundwater Monitoring		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	N0132436.D	1	09/04/24 12:45	JW	n/a	n/a	VN6714
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA Special List

CAS No.	Compound	Result	LOQ	LOD	DL	Units	Q
56-23-5	Carbon Tetrachloride	0.13	0.50	0.25	0.10	ug/l	J
67-66-3	Chloroform	0.25 U	0.50	0.25	0.10	ug/l	
75-35-4	1,1-Dichloroethylene	0.25 U	0.50	0.25	0.10	ug/l	
540-59-0	1,2-Dichloroethene (total)	0.25 U	0.50	0.25	0.10	ug/l	
75-09-2	Methylene Chloride ^a	1.4	2.0	0.50	0.50	ug/l	JB
127-18-4	Tetrachloroethylene	0.25 U	0.50	0.25	0.10	ug/l	
79-01-6	Trichloroethylene	0.25 U	0.50	0.25	0.10	ug/l	
75-01-4	Vinyl Chloride ^b	0.10 U	0.10	0.10	0.050	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
17060-07-0	1,2-Dichloroethane-D4	111%		74-125%
2037-26-5	Toluene-D8	104%		88-111%

(a) Suspected laboratory contaminant. Associated ECC, CCV, and BS recovery outside DOD QSM control limits high.

(b) Associated CCV outside of DOD QSM control limits high, sample is ND.

U = Not detected

LOD = Limit of Detection

J = Indicates an estimated value

LOQ = Limit of Quantitation

DL = Detection Limit

B = Indicates analyte found in associated method blank

E = Indicates value exceeds calibration range

N = Indicates presumptive evidence of a compound

SGS North America Inc.

Report of Analysis

Page 1 of 1

Client Sample ID:	2434X0BW183F	Date Sampled:	08/23/24
Lab Sample ID:	FC18326-34	Date Received:	08/27/24
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8260D BY SIM		
Project:	Fort Ord Groundwater Monitoring		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	N0132437.D	1	09/04/24 13:09	JW	n/a	n/a	VN6714
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA Special List

CAS No.	Compound	Result	LOQ	LOD	DL	Units	Q
56-23-5	Carbon Tetrachloride	1.3	0.50	0.25	0.10	ug/l	
67-66-3	Chloroform	0.24	0.50	0.25	0.10	ug/l	J
75-35-4	1,1-Dichloroethylene	0.25 U	0.50	0.25	0.10	ug/l	
540-59-0	1,2-Dichloroethene (total)	0.25 U	0.50	0.25	0.10	ug/l	
75-09-2	Methylene Chloride ^a	1.5	2.0	0.50	0.50	ug/l	JB
127-18-4	Tetrachloroethylene	0.25 U	0.50	0.25	0.10	ug/l	
79-01-6	Trichloroethylene	0.25 U	0.50	0.25	0.10	ug/l	
75-01-4	Vinyl Chloride ^b	0.10 U	0.10	0.10	0.050	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
17060-07-0	1,2-Dichloroethane-D4	111%		74-125%
2037-26-5	Toluene-D8	103%		88-111%

(a) Suspected laboratory contaminant. Associated ECC, CCV, and BS recovery outside DOD QSM control limits high.

(b) Associated CCV outside of DOD QSM control limits high, sample is ND.

U = Not detected

LOD = Limit of Detection

J = Indicates an estimated value

LOQ = Limit of Quantitation

DL = Detection Limit

B = Indicates analyte found in associated method blank

E = Indicates value exceeds calibration range

N = Indicates presumptive evidence of a compound

SGS North America Inc.

Report of Analysis

Page 1 of 1

Client Sample ID:	2434X0BW064D	Date Sampled:	08/23/24
Lab Sample ID:	FC18326-35	Date Received:	08/27/24
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8260D BY SIM		
Project:	Fort Ord Groundwater Monitoring		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	N0132438.D	1	09/04/24 13:32	JW	n/a	n/a	VN6714
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA Special List

CAS No.	Compound	Result	LOQ	LOD	DL	Units	Q
56-23-5	Carbon Tetrachloride	1.3	0.50	0.25	0.10	ug/l	
67-66-3	Chloroform	0.22	0.50	0.25	0.10	ug/l	J
75-35-4	1,1-Dichloroethylene	0.25 U	0.50	0.25	0.10	ug/l	
540-59-0	1,2-Dichloroethene (total)	0.25 U	0.50	0.25	0.10	ug/l	
75-09-2	Methylene Chloride ^a	1.5	2.0	0.50	0.50	ug/l	JB
127-18-4	Tetrachloroethylene	0.25 U	0.50	0.25	0.10	ug/l	
79-01-6	Trichloroethylene	0.25 U	0.50	0.25	0.10	ug/l	
75-01-4	Vinyl Chloride ^b	0.10 U	0.10	0.10	0.050	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
17060-07-0	1,2-Dichloroethane-D4	111%		74-125%
2037-26-5	Toluene-D8	103%		88-111%

(a) Suspected laboratory contaminant. Associated ECC, CCV, and BS recovery outside DOD QSM control limits high.

(b) Associated CCV outside of DOD QSM control limits high, sample is ND.

U = Not detected

LOD = Limit of Detection

J = Indicates an estimated value

LOQ = Limit of Quantitation

DL = Detection Limit

B = Indicates analyte found in associated method blank

E = Indicates value exceeds calibration range

N = Indicates presumptive evidence of a compound

SGS North America Inc.

Report of Analysis

Page 1 of 1

Client Sample ID: 2434X0BW039F	
Lab Sample ID: FC18326-36	Date Sampled: 08/23/24
Matrix: AQ - Ground Water	Date Received: 08/27/24
Method: SW846 8260D BY SIM	Percent Solids: n/a
Project: Fort Ord Groundwater Monitoring	

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	Z76733.D	1	09/04/24 11:00	CS	n/a	n/a	VZ3089
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA Special List

CAS No.	Compound	Result	LOQ	LOD	DL	Units	Q
56-23-5	Carbon Tetrachloride	0.25 U	0.50	0.25	0.10	ug/l	
67-66-3	Chloroform	0.25 U	0.50	0.25	0.10	ug/l	
75-35-4	1,1-Dichloroethylene ^a	0.25 U	0.50	0.25	0.10	ug/l	
540-59-0	1,2-Dichloroethene (total) ^b	0.25 U	0.50	0.25	0.10	ug/l	
75-09-2	Methylene Chloride ^a	0.50 U	2.0	0.50	0.50	ug/l	
127-18-4	Tetrachloroethylene	0.25 U	0.50	0.25	0.10	ug/l	
79-01-6	Trichloroethylene	0.25 U	0.50	0.25	0.10	ug/l	
75-01-4	Vinyl Chloride	0.10 U	0.10	0.10	0.050	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
17060-07-0	1,2-Dichloroethane-D4	116%		74-125%
2037-26-5	Toluene-D8	94%		88-111%

(a) Associated CCV and BS recovery outside DOD QSM control limits high, sample is ND.

(b) Associated BS recovery outside DOD QSM control limits high, sample is ND.

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

4.36
 4

SGS North America Inc.

Report of Analysis

Page 1 of 1

Client Sample ID:	2434X0BW182F	Date Sampled:	08/23/24
Lab Sample ID:	FC18326-37	Date Received:	08/27/24
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8260D BY SIM		
Project:	Fort Ord Groundwater Monitoring		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	Z76734.D	1	09/04/24 11:23	CS	n/a	n/a	VZ3089
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA Special List

CAS No.	Compound	Result	LOQ	LOD	DL	Units	Q
56-23-5	Carbon Tetrachloride	1.1	0.50	0.25	0.10	ug/l	
67-66-3	Chloroform	0.15	0.50	0.25	0.10	ug/l	J
75-35-4	1,1-Dichloroethylene ^a	0.25 U	0.50	0.25	0.10	ug/l	
540-59-0	1,2-Dichloroethene (total) ^b	0.25 U	0.50	0.25	0.10	ug/l	
75-09-2	Methylene Chloride ^a	0.50 U	2.0	0.50	0.50	ug/l	
127-18-4	Tetrachloroethylene	0.25 U	0.50	0.25	0.10	ug/l	
79-01-6	Trichloroethylene	0.25 U	0.50	0.25	0.10	ug/l	
75-01-4	Vinyl Chloride	0.10 U	0.10	0.10	0.050	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
17060-07-0	1,2-Dichloroethane-D4	118%		74-125%
2037-26-5	Toluene-D8	93%		88-111%

(a) Associated CCV and BS recovery outside DOD QSM control limits high, sample is ND.

(b) Associated BS recovery outside DOD QSM control limits high, sample is ND.

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

SGS North America Inc.

Report of Analysis

Page 1 of 1

Client Sample ID: 2434Y0BW198C	
Lab Sample ID: FC18326-38	Date Sampled: 08/23/24
Matrix: AQ - Field Blank Water	Date Received: 08/27/24
Method: SW846 8260D BY SIM	Percent Solids: n/a
Project: Fort Ord Groundwater Monitoring	

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	Z76729.D	1	09/04/24 09:29	CS	n/a	n/a	VZ3089
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA Special List

CAS No.	Compound	Result	LOQ	LOD	DL	Units	Q
56-23-5	Carbon Tetrachloride	0.25 U	0.50	0.25	0.10	ug/l	
67-66-3	Chloroform	0.25 U	0.50	0.25	0.10	ug/l	
75-35-4	1,1-Dichloroethylene ^a	0.25 U	0.50	0.25	0.10	ug/l	
540-59-0	1,2-Dichloroethene (total) ^b	0.25 U	0.50	0.25	0.10	ug/l	
75-09-2	Methylene Chloride ^a	0.50 U	2.0	0.50	0.50	ug/l	
127-18-4	Tetrachloroethylene	0.25 U	0.50	0.25	0.10	ug/l	
79-01-6	Trichloroethylene	0.25 U	0.50	0.25	0.10	ug/l	
75-01-4	Vinyl Chloride	0.10 U	0.10	0.10	0.050	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
17060-07-0	1,2-Dichloroethane-D4	111%		74-125%
2037-26-5	Toluene-D8	93%		88-111%

(a) Associated CCV and BS recovery outside DOD QSM control limits high, sample is ND.

(b) Associated BS recovery outside DOD QSM control limits high, sample is ND.

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

4.38
 4

SGS North America Inc.

Report of Analysis

Page 1 of 1

Client Sample ID:	2434X0BW022F	Date Sampled:	08/23/24
Lab Sample ID:	FC18326-39	Date Received:	08/27/24
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8260D BY SIM		
Project:	Fort Ord Groundwater Monitoring		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	Z76735.D	1	09/04/24 11:46	CS	n/a	n/a	VZ3089
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA Special List

CAS No.	Compound	Result	LOQ	LOD	DL	Units	Q
56-23-5	Carbon Tetrachloride	0.25 U	0.50	0.25	0.10	ug/l	
67-66-3	Chloroform	0.25 U	0.50	0.25	0.10	ug/l	
75-35-4	1,1-Dichloroethylene ^a	0.25 U	0.50	0.25	0.10	ug/l	
540-59-0	1,2-Dichloroethene (total) ^b	0.25 U	0.50	0.25	0.10	ug/l	
75-09-2	Methylene Chloride ^a	0.50 U	2.0	0.50	0.50	ug/l	
127-18-4	Tetrachloroethylene	0.25 U	0.50	0.25	0.10	ug/l	
79-01-6	Trichloroethylene	0.70	0.50	0.25	0.10	ug/l	
75-01-4	Vinyl Chloride	0.10 U	0.10	0.10	0.050	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
17060-07-0	1,2-Dichloroethane-D4	116%		74-125%
2037-26-5	Toluene-D8	94%		88-111%

(a) Associated CCV and BS recovery outside DOD QSM control limits high, sample is ND.

(b) Associated BS recovery outside DOD QSM control limits high, sample is ND.

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

4.39
 4

SGS North America Inc.

Report of Analysis

Page 1 of 1

Client Sample ID: 2434X0BW057F	
Lab Sample ID: FC18326-40	Date Sampled: 08/23/24
Matrix: AQ - Ground Water	Date Received: 08/27/24
Method: SW846 8260D BY SIM	Percent Solids: n/a
Project: Fort Ord Groundwater Monitoring	

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	Z76736.D	1	09/04/24 12:08	CS	n/a	n/a	VZ3089
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA Special List

CAS No.	Compound	Result	LOQ	LOD	DL	Units	Q
56-23-5	Carbon Tetrachloride	0.64	0.50	0.25	0.10	ug/l	
67-66-3	Chloroform	0.10	0.50	0.25	0.10	ug/l	J
75-35-4	1,1-Dichloroethylene ^a	0.25 U	0.50	0.25	0.10	ug/l	
540-59-0	1,2-Dichloroethene (total) ^b	0.25 U	0.50	0.25	0.10	ug/l	
75-09-2	Methylene Chloride ^a	0.50 U	2.0	0.50	0.50	ug/l	
127-18-4	Tetrachloroethylene	0.25 U	0.50	0.25	0.10	ug/l	
79-01-6	Trichloroethylene	0.17	0.50	0.25	0.10	ug/l	J
75-01-4	Vinyl Chloride	0.10 U	0.10	0.10	0.050	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
17060-07-0	1,2-Dichloroethane-D4	116%		74-125%
2037-26-5	Toluene-D8	94%		88-111%

(a) Associated CCV and BS recovery outside DOD QSM control limits high, sample is ND.
 (b) Associated BS recovery outside DOD QSM control limits high, sample is ND.

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

4.40
4

SGS North America Inc.

Report of Analysis

Page 1 of 1

Client Sample ID: 2434X0BW058F	
Lab Sample ID: FC18326-41	Date Sampled: 08/23/24
Matrix: AQ - Ground Water	Date Received: 08/27/24
Method: SW846 8260D BY SIM	Percent Solids: n/a
Project: Fort Ord Groundwater Monitoring	

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	Z76737.D	1	09/04/24 12:31	CS	n/a	n/a	VZ3089
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA Special List

CAS No.	Compound	Result	LOQ	LOD	DL	Units	Q
56-23-5	Carbon Tetrachloride	0.25 U	0.50	0.25	0.10	ug/l	
67-66-3	Chloroform	0.13	0.50	0.25	0.10	ug/l	J
75-35-4	1,1-Dichloroethylene ^a	0.25 U	0.50	0.25	0.10	ug/l	
540-59-0	1,2-Dichloroethene (total) ^b	0.25 U	0.50	0.25	0.10	ug/l	
75-09-2	Methylene Chloride ^a	0.50 U	2.0	0.50	0.50	ug/l	
127-18-4	Tetrachloroethylene	0.25 U	0.50	0.25	0.10	ug/l	
79-01-6	Trichloroethylene	2.1	0.50	0.25	0.10	ug/l	
75-01-4	Vinyl Chloride	0.10 U	0.10	0.10	0.050	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
17060-07-0	1,2-Dichloroethane-D4	116%		74-125%
2037-26-5	Toluene-D8	95%		88-111%

(a) Associated CCV and BS recovery outside DOD QSM control limits high, sample is ND.

(b) Associated BS recovery outside DOD QSM control limits high, sample is ND.

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

4.41
 4

SGS North America Inc.

Report of Analysis

Page 1 of 1

Client Sample ID:	2434X0BW059F	Date Sampled:	08/23/24
Lab Sample ID:	FC18326-42	Date Received:	08/27/24
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8260D BY SIM		
Project:	Fort Ord Groundwater Monitoring		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	Z76738.D	1	09/04/24 12:54	CS	n/a	n/a	VZ3089
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA Special List

CAS No.	Compound	Result	LOQ	LOD	DL	Units	Q
56-23-5	Carbon Tetrachloride	0.25 U	0.50	0.25	0.10	ug/l	
67-66-3	Chloroform	0.25 U	0.50	0.25	0.10	ug/l	
75-35-4	1,1-Dichloroethylene ^a	0.25 U	0.50	0.25	0.10	ug/l	
540-59-0	1,2-Dichloroethene (total) ^b	0.25 U	0.50	0.25	0.10	ug/l	
75-09-2	Methylene Chloride ^a	0.50 U	2.0	0.50	0.50	ug/l	
127-18-4	Tetrachloroethylene	0.25 U	0.50	0.25	0.10	ug/l	
79-01-6	Trichloroethylene	0.27	0.50	0.25	0.10	ug/l	J
75-01-4	Vinyl Chloride	0.10 U	0.10	0.10	0.050	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
17060-07-0	1,2-Dichloroethane-D4	115%		74-125%
2037-26-5	Toluene-D8	94%		88-111%

(a) Associated CCV and BS recovery outside DOD QSM control limits high, sample is ND.

(b) Associated BS recovery outside DOD QSM control limits high, sample is ND.

U = Not detected

LOD = Limit of Detection

J = Indicates an estimated value

LOQ = Limit of Quantitation

DL = Detection Limit

B = Indicates analyte found in associated method blank

E = Indicates value exceeds calibration range

N = Indicates presumptive evidence of a compound

Misc. Forms

Custody Documents and Other Forms

Includes the following where applicable:

- Chain of Custody
- QC Evaluation: DOD QSM5.x Limits

Ahtna ADS3433

FC18326

Page 1 of 2
10/9
08/24

Chain-of-Custody / Analytical Request Document
Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed and accurate

Cooler No.: _____ of _____
COC No: 240822-OUTCP A-1
Task Desc: FFO2024Q3_Team1234

Lab Name: SGS North America Inc. - Orlando	Site ID #: FFORD	Sampler: 1741467	Filtered	HCL	Preserve	SW6260D
Lab Address:	Project #: 21187.001.01.0000	Sampling Company: AHTNA				
Lab PM: Elvin Kumar	Site Address: FFO, Marina, CA 93933	9400 Park Starkspur Ln Ste 201 Monterey				
Lab Phone/Fax: (407) 425-6700	Site PM Name: Derek Lieberman	Sampling Company Phone: 8312875250	Reimbursable Project?			
Lab PM Email:	Site Phone/Fax:	Sampling Team Number: 1				
Applicable Lab Quote:	Site PM Email: dlieberman@ahtna.net	Send EDD/Hard Copy To: labs@ahtna.net, dlieberman@ahtna.net	Analysis			
Turnaround Time: 10 Business Days	Turnaround Standard: Standard					

Items No.	Sample ID	Sample Location	Matrix	Depth	G-Grad	Sample Type	Sample Date Time	# of Containers	Comments Lab I.D.	Analysis
1	24340BWX210A		WQ		G	TB1	08/22/2024 07:30	2		X
2	2434X0BW018F		WG	82 - 82 ft btoc	G	NS1	08/22/2024 08:31	3		X
3	2434X00B020F		WG	89 - 89 ft btoc	G	NS1	08/22/2024 09:37	3		X
4	2434X0BW156F		WG	102 - 102 ft btoc	G	NS1	08/22/2024 09:52	3		X
5	2434X0BW011F		WG	107 - 107 ft btoc	G	NS1	08/22/2024 10:13	3	pH=6.40.	X
6	2434X0BW025F		WG	102 - 102 ft btoc	G	NS1	08/22/2024 11:06	3		X

INITIAL ASSESSMENT ZB
LABEL VERIFICATION [Signature]

3.0 FRH

Sample Reason:	RELINQUISHED BY / AFFILIATION	Date Time	ACCEPTED BY / AFFILIATION	Date Time	Sample Receipt Conditions				
Additional Comments/Special Instructions:	Enc Palov / Blank Tech Servis	08/22/24	Low Banta	8/24/24 10:00	<input type="checkbox"/> Yes	<input type="checkbox"/> Yes	<input type="checkbox"/> Yes	<input type="checkbox"/> Yes	
	Low Banta SAS	8/26/24 1500	FCOY	8/26/24 1500	<input type="checkbox"/> No	<input type="checkbox"/> No	<input type="checkbox"/> No	<input type="checkbox"/> No	
			ZBh	8/27/24	900	<input type="checkbox"/> Yes	<input type="checkbox"/> Yes	<input type="checkbox"/> Yes	
						<input type="checkbox"/> No	<input type="checkbox"/> No	<input type="checkbox"/> No	
	SHIPPING METHOD: (mark as appropriate)			SAMPLER NAME AND SIGNATURE	Date Time	Temperature in °C	Sample on Ice?	Sample Intact?	Trip Blank?



5.1
5

Ahtna

CADS3433

FC18326

20F9
Page 2 of 2
Sgt20

Chain-of-Custody / Analytical Request Document

Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed and accurate

Cooler No.:		of	
COC No: 240822-OUTCP A-1			
Task Desc: FFO2024Q3_Team1234			

Lab Name: SGS North America Inc. - Orlando	Site ID #: FFORD	Sampler: 1741467
Lab Address:	Project #: 21187.001.01.0000	Sampling Company: AHTNA
Lab PM: Elvin Kumar	Site Address: FFO, Marina, CA 93933	Sampling Company Phone: 8312875250
Lab Phone/Fax: (407) 425-6700	Site PM Name: Derek Lieberman	Sampling Team Number: 1
Lab PM Email:	Site Phone/Fax:	Reimbursable Project?
Applicable Lab Quote:	Site PM Email: dlieberman@ahтна.net	Send EDD/Hard Copy To: labs@ahтна.net, dlieberman@ahтна.net
Turnaround Time: 10 Business Days	Turnaround Standard: Standard	

Analysis	SW620D	Filtered	Preserve	HCL										

Items No.	Sample ID	Sample Location	Matrix	Depth	Q-C	Grab	Sample Type	Sample Date Time	# of Containers	Comments Lab I.D.										
7	2434X0BW051F		WG	97 - 97 ft bloc	G	NS1	08/22/2024 11:28	3			X									
8	2434X0BW055F		WG	96 - 96 ft bloc	G	NS1	08/22/2024 11:53	3			X									
9	24340BWX193C		WQ		G	FB1	08/22/2024 15:55	3			X									

Sample Reason:	RELINQUISHED BY / AFFILIATION	Date Time	ACCEPTED BY / AFFILIATION	Date Time	Sample Receipt Conditions			
Additional Comments/Special Instructions:	Eric Pabon / Plane Tech Services	08/22/24	Lieberman SGS	8/20/24 10:30	<input type="checkbox"/> Yes	<input type="checkbox"/> Yes	<input type="checkbox"/> Yes	<input type="checkbox"/> Yes
	Lieberman SGS	8/24/24 15:50	TEDEX	8/24/24 15:50	<input type="checkbox"/> Yes	<input type="checkbox"/> Yes	<input type="checkbox"/> Yes	<input type="checkbox"/> Yes
			38h	8/27/24 9:00	<input type="checkbox"/> Yes	<input type="checkbox"/> Yes	<input type="checkbox"/> Yes	<input type="checkbox"/> Yes
					<input type="checkbox"/> Yes	<input type="checkbox"/> Yes	<input type="checkbox"/> Yes	<input type="checkbox"/> Yes
	SHIPPING METHOD: (mark as appropriate)		SAMPLER NAME AND SIGNATURE	Date Time	Temperature in °C	Sample on Ice?	Sample Intact?	Trip Blank?

5.1
5

Ahtna CAP53433

FC18326

Page 3 of 10
3089
157 8/20

Chain-of-Custody / Analytical Request Document

Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed and accurate

Cooler No.:		of	157
COC No: 240822-OUCTP-A-2			
Task Desc: FFO2024Q3_1eam1234			

Lab Name: SGS North America Inc. - Orlando	Site ID #: FFORD	Sampler: 1741468	Filtered
Lab Address:	Project #: 21187.001.01.0000	Sampling Company: Ahtna	
Lab PM: Elvin Kumar	Site Address: FFO, Marina, CA 93933	Sampling Company Phone: (831)287-5250	Preserve HCL
Lab Phone/Fax: (407) 425-6700	Site PM Name: Derek Lieberman	Sampling Team Number: 2	
Lab PM Email:	Site Phone/Fax:	Reimbursable Project?	Analysis SW6260D
Applicable Lab Quote:	Site PM Email: dlieberman@ahtna.net	Send EDD/Hard Copy To: Labs@ahtna.net, dlieberman@ahtna.net	
Turnaround Time: 10 Business Days	Turnaround Standard: Standard		

Items No.	Sample ID	Sample Location	Matrix	Depth	G-Grab C-Cont.	Sample Type	Sample Date Time	# of Containers	Comments Lab I.D.										
10	2434X0BW005F		WG	102 - 102 ft btoc	G	NS1	08/22/2024 12:59	3											X
11	2434X0BW007F		WG	102 - 102 ft btoc	G	NS1	08/22/2024 14:02	3											X
12	2434X0BW061D		WG	102 - 102 ft btoc	G	FD1	08/22/2024 14:07	3											X
13	2434X0BW024F		WG	130 - 130 ft btoc	G	NS1	08/22/2024 14:12	3											X
14	2434X0BW062D		WG	130 - 130 ft btoc	G	FD1	08/22/2024 14:17	3											X
15	2434X0BW009F		WG	111 - 111 ft btoc	G	NS1	08/22/2024 14:25	3											X

6/9/20

Sample Reason:	RELINQUISHED BY / AFFILIATION	Date Time	ACCEPTED BY / AFFILIATION	Date Time	Sample Receipt Conditions			
Additional Comments/Special Instructions:	<i>WTR</i>	<i>8/17/24</i>	<i>Lee Bar</i>	<i>8/20/24</i>	<input type="checkbox"/> Yes	<input type="checkbox"/> Yes	<input type="checkbox"/> Yes	<input type="checkbox"/> Yes
	<i>Lee Bar</i>	<i>8/15/24</i>	<i>FEORX</i>	<i>8/20/24</i>	<input type="checkbox"/> No	<input type="checkbox"/> No	<input type="checkbox"/> No	<input type="checkbox"/> No
			<i>381w</i>	<i>8/27/24</i>	<input type="checkbox"/> Yes	<input type="checkbox"/> Yes	<input type="checkbox"/> Yes	<input type="checkbox"/> Yes
					<input type="checkbox"/> No	<input type="checkbox"/> No	<input type="checkbox"/> No	<input type="checkbox"/> No
	SHIPPING METHOD: (mark as appropriate)	SAMPLER NAME AND SIGNATURE	Date Time	Temperature in °C	Sample on Ice?	Sample Intact?	Trip Blank?	

FC18326: Chain of Custody

Page 3 of 10



5.1
5

Ahtna ~~CADS3334~~ CADS3433 FC18326

Chain-of-Custody / Analytical Request Document
 Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed and accurate

Cooler No.: _____ of _____
 COC No: 240822-Site(OUCTP A)-Team(3) 8/20
 Task Desc: FFO2024Q3_Team1234

Lab Name: SGS North America Inc. - Orlando	Site ID #: FFORD	Sampler: 1741469	Filtered
Lab Address:	Project #: 21187.001.01.0000	Sampling Company: Ahtna	
Lab PM: Elvin Kumar	Site Address: FFO, Marina, CA 93933	Sampling Company Phone: (831)287-5250	Preserve HCL
Lab Phone/Fax: (407) 425-6700	Site PM Name: Derek Lieberman	Sampling Team Number: 3	
Lab PM Email:	Site PM Email: dlieberman@ahтна.net	Reimbursable Project?	Analysis SW6260D
Applicable Lab Quote:	Turnaround Standard: Standard	Send EDD/Hard Copy To: labs@ahтна.net, dlieberman@ahтна.net	
Turnaround Time: 10 Business Days			

Items No.	Sample ID	Sample Location	Matrix	Depth	Q-Grads	Sample Type	Sample Date Time	# of Containers	Comments Lab I.D.										
1	2434X0BW026F		WG	94 - 94 ft btoc	G	NS1	08/22/2024 13:34	3											X
2	2434X0BW054F		WG	88 - 88 ft btoc	G	NS1	08/22/2024 13:57	3											X
3	2434X0BW027F		WG	77 - 77 ft btoc	G	NS1	08/22/2024 14:06	3											X
4	2434X0BW028F		WG	82 - 82 ft btoc	G	NS1	08/22/2024 14:20	3											X
5	2434X0BW029F		WG	83 - 83 ft btoc	G	NS1	08/22/2024 14:32	3											X
6	2434X00B019F		WG	66 - 66 ft btoc	G	NS1	08/22/2024 14:50	3											X

B 8/20

Sample Reason:	RELINQUISHED BY / AFFILIATION	Date Time	ACCEPTED BY / AFFILIATION	Date Time	Sample Receipt Conditions			
Additional Comments/Special Instructions:	RECEIVED / BTS	08/22/24 17:17	Lieberman SGS	8/22/24 10:30	<input type="checkbox"/> Yes	<input type="checkbox"/> Yes	<input type="checkbox"/> Yes	<input type="checkbox"/> Yes
	Lieberman SGS	8/26/24 15:00	LEDEX	8/26/24 15:00	<input type="checkbox"/> No	<input type="checkbox"/> No	<input type="checkbox"/> No	<input type="checkbox"/> No
			ZRH	8/27/24 9:00	<input type="checkbox"/> No	<input type="checkbox"/> No	<input type="checkbox"/> No	<input type="checkbox"/> No
	SHIPPING METHOD: (mark as appropriate)		SAMPLER NAME AND SIGNATURE	Date Time	Temperature in °C	Sample on Ice?	Sample Intact?	Trip Blank?

5.1 5

Ahtna CAD53433

FC18326

Page 2 of 2
5059
09/20

Chain-of-Custody / Analytical Request Document
Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed and accurate

Cooler No.:		of	
COC No: 240822-Site(OUCTP A)-Team(3)			
Task Desc: FFO2U24Q3_Team1234			

Lab Name: SGS North America Inc. - Orlando	Site ID #: FFORD	Sampler: 1741469	Filtered	Preserve	HCL	Analysis	SW6260D												
Lab Address:	Project #:	Sampling Company:																	
Lab PM:	Site Address:	Sampling Company Phone:																	
Lab Phone/Fax:	Site PM Name:	Sampling Team Number:																	
Lab PM Email:	Site Phone/Fax:	Reimbursable Project?																	
Applicable Lab Quote:	Site PM Email:	Send EDD/Hard Copy To:																	
Turnaround Time:	Turnaround Standard:	labs@ahntna.net, dlieberman@ahntna.net																	
Turnaround Time: 10 Business Days	Standard																		

Items No.	Sample ID	Sample Location	Matrix	Depth	G-Grab Or Comb	Sample Type	Sample Date Time	# of Containers	Comments Lab I.D.	
22	2434X0BW063D		WG	66 - 66 ft btoc	G	FD1	08/22/2024 14:55	2		X
23	2434X0BW031F		WG	78 - 78 ft btoc	G	NS1	08/22/2024 15:18	3		X
24	2434X0BW038F		WG	65 - 65 ft btoc	G	NS1	08/22/2024 15:30	3		X

Sample Reason:	RELINQUISHED BY / AFFILIATION	Date Time	ACCEPTED BY / AFFILIATION	Date Time	Sample Receipt Conditions			
Additional Comments/Special Instructions:	LAB 1BTS	08/22/24 1717	LaBaz SGS	8/26/24 1030	<input type="checkbox"/> Yes	<input type="checkbox"/> Yes	<input type="checkbox"/> Yes	<input type="checkbox"/> Yes
	LaBaz SGS	8/26/24 1500	FOOT	8/26/24 1500	<input type="checkbox"/> No	<input type="checkbox"/> No	<input type="checkbox"/> No	<input type="checkbox"/> No
			308	8/27/24 900	<input type="checkbox"/> Yes	<input type="checkbox"/> Yes	<input type="checkbox"/> Yes	<input type="checkbox"/> Yes
					<input type="checkbox"/> No	<input type="checkbox"/> No	<input type="checkbox"/> No	<input type="checkbox"/> No
	-SHIPPING METHOD: (mark as appropriate) -		SAMPLER NAME AND SIGNATURE	Date Time	Temperature in °C	Sample on Ice?	Sample Intact?	Trip Blank?

FC18326: Chain of Custody

Page 5 of 10



5.1
5

Ahtna CAD53433

FC18326

Page 1 of 2
659
12 8/30

Chain-of-Custody / Analytical Request Document
Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed and accurate

Cooler No.: _____ of _____
COC No: 240823-OUTCP A-1
Task Desc: FFO2024Q3_Team1234

Lab Name: SGS North America Inc. - Orlando	Site ID #: FFORD	Sampler: 1741467	Filtered
Lab Address:	Project #: 21187.001.01.0000	Sampling Company: AHTNA	
Lab PM: Elvin Kumar	Site Address: FFO, Marina, CA 93933	9400 Postmarkspur Ln Ste 201 Monterey	Preserve HCL
Lab Phone/Fax: (407) 425-6700	Site PM Name: Derek Lieberman	Sampling Company Phone: 8312875250	
Lab PM Email:	Site Phone/Fax:	Sampling Team Number: 1	Analysis SW6260D
Applicable Lab Quote:	Site PM Email: dlieberman@ahtna.net	Reimbursable Project?	
Turnaround Time: 10 Business Days	Turnaround Standard: Standard	Send EDD/Hard Copy To: labs@ahtna.net, dlieberman@ahtna.net	

Items No.	Sample ID	Sample Location	Matrix	Depth	Grab/Composite	Sample Type	Sample Date Time	# of Containers	Comments Lab I.D.												
1	25 24340BW212A		WQ		G	TB1	08/23/2024 07:10	2													X
2	24 2434X0BW006F		WG	99 - 99 ft btoc	G	NS1	08/23/2024 09:25	3	pH=6.62.												X
3	27 2434X0BW008F		WG	96 - 96 ft btoc	G	NS1	08/23/2024 10:14	3	pH=6.30.												X
4	28 2434X0BW010F		WG	121 - 121 ft btoc	G	NS1	08/23/2024 10:44	3	pH=6.90.												X
5	29 2434X0BW012F		WG	91 - 91 ft btoc	G	NS1	08/23/2024 11:19	3	pH=6.90.												X
6	30 2434XOU2001F		WG	74 - 74 ft btoc	G	NS1	08/23/2024 13:04	3													X

Sample Reason:	RELINQUISHED BY / AFFILIATION	Date Time	ACCEPTED BY / AFFILIATION	Date Time	Sample Receipt Conditions			
	Additional Comments/Special Instructions:	<i>Cater King / BTS</i>	8/23/24 1500	<i>Lee B...</i>	8/23/24 1500	<input type="checkbox"/> Yes	<input type="checkbox"/> Yes	<input type="checkbox"/> Yes
<i>Lee B...</i>		8/26/24 1500	<i>Lee B...</i>	8/26/24 1030	<input type="checkbox"/> Yes	<input type="checkbox"/> Yes	<input type="checkbox"/> Yes	<input type="checkbox"/> Yes
<i>Lee B...</i>		8/26/24 1500	<i>FRAX</i>	8/26/24 1500	<input type="checkbox"/> Yes	<input type="checkbox"/> Yes	<input type="checkbox"/> Yes	<input type="checkbox"/> Yes
			<i>39h</i>	8/27/24 900	<input type="checkbox"/> Yes	<input type="checkbox"/> Yes	<input type="checkbox"/> Yes	<input type="checkbox"/> Yes
	SHIPPING METHOD: (mark as appropriate)		SAMPLER NAME AND SIGNATURE	Date Time	Temperature in °C	Sample on Ice?	Sample Intact?	Trip Blank?

5.1
5

Ahtna CADS 3433

FC18326

7049
Page 2 of 2
LD
8/26

Chain-of-Custody / Analytical Request Document
Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed and accurate

Cooler No.: of
COC No: 240823-OUTCP A-1
Task Desc: FFO2024Q3_Team1234

Lab Name: SGS North America Inc. - Orlando	Site ID #: FFORD	Sampler: 1741467
Lab Address: Elvin Kumar	Project #: 21187.001.01.0000	Sampling Company: AHTNA
Lab PM: Elvin Kumar	Site Address: FFO, Marina, CA 93933	940101 Starkspur Ln Ste 201 Monterey
Lab Phone/Fax: (407) 425-6700	Site PM Name: Derek Lieberman	Sampling Company Phone: 8312875250
Lab PM Email:	Site Phone/Fax:	Sampling Team Number: 1
Applicable Lab Quote:	Site PM Email: dlieberman@ahtna.net	Reimbursable Project?
Turnaround Time: 10 Business Days	Turnaround Standard: Standard	Send EDD/Hard Copy To: labs@ahtna.net, dlieberman@ahtna.net

Filtered	Preserve	Analysis	SW626AD	Filter	Filter	Filter	Filter	Filter	Filter	Filter	Filter	Filter	Filter	Filter	Filter	Filter	Filter	Filter	Filter	Filter	Filter	Filter	
	HCL																						

Items No.	Sample ID	Sample Location	Matrix	Depth	Grain C. Comp.	Sample Type	Sample Date Time	# of Containers	Comments Lab I.D.
31	2434XOU2002F		WG	74 - 74 ft bloc	G	NS1	08/23/2024 13:24	3	

Sample Reason:	RELINQUISHED BY / AFFILIATION	Date Time	ACCEPTED BY / AFFILIATION	Date Time	Sample Receipt Conditions			
Additional Comments/Special Instructions:	<i>[Signature]</i>	8/23/24 @ 1500	<i>[Signature]</i>	9/23/24 1500	<input type="checkbox"/> Yes	<input type="checkbox"/> Yes	<input type="checkbox"/> Yes	<input type="checkbox"/> Yes
	<i>[Signature]</i>	9/25/24	<i>[Signature]</i>	8/26/24 1030	<input type="checkbox"/> No	<input type="checkbox"/> No	<input type="checkbox"/> No	<input type="checkbox"/> No
	<i>[Signature]</i>	8/24/24	Lab on SGS	9/26/24 1500	<input type="checkbox"/> Yes	<input type="checkbox"/> Yes	<input type="checkbox"/> Yes	<input type="checkbox"/> Yes
	<i>[Signature]</i>	1500	FEDX	8/27/24 900	<input type="checkbox"/> No	<input type="checkbox"/> No	<input type="checkbox"/> No	<input type="checkbox"/> No
					<input type="checkbox"/> Yes	<input type="checkbox"/> Yes	<input type="checkbox"/> Yes	<input type="checkbox"/> Yes
	SHIRPING METHOD: (mark as appropriate)		SAMPLER NAME AND SIGNATURE	Date Time	Temperature in °C	Sample on Ice?	Sample Intact?	Trip Blank?

Ahtna CADS3433

FC18326

8099
Page 1 of 2
9/1/24

Chain-of-Custody / Analytical Request Document
Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed and accurate

Cooler No.:		of	
COC No: 240823-OUCTP-A-2			
Task Desc: FFO2024Q3_Team1234			

Lab Name: SGS North America Inc. - Orlando	Site ID #: FFORD	Sampler: 1741468	Filtered
Lab Address:	Project #: 21187.001.01.0000	Sampling Company: Ahtna	
Lab PM: Elvin Kumar	Site Address: FFO, Marina, CA 93933	Sampling Company Phone: (831)287-5250	Preserve HCL
Lab Phone/Fax: (407) 425-6700	Site PM Name: Derek Lieberman	Sampling Team Number: 2	
Lab PM Email:	Site PM Email: dlieberman@ahlna.net	Reimbursable Project?	Analysis SW8260D
Applicable Lab Quote:	Turnaround Standard: Standard	Send EDD/Hard Copy To: Labs@ahlna.net, dlieberman@ahlna.net	
Turnaround Time: 10 Business Days			

Items No.	Sample ID	Sample Location	Matrix	Depth	Gr-Grab Cont-Comp	Sample Type	Sample Date Time	# of Containers	Comments Lab I.D.	Analysis	Preserve	Filtered
1	32 2434Y0BW215A		WQ		G	TB1	08/23/2024 07:05	2		X		
2	33 2434X0BW040F		WG	30 - 30 ft bloc	G	NS1	08/23/2024 07:50	3		X		
3	34 2434X0BW183F		WG	45 - 45 ft bloc	G	NS1	08/23/2024 07:53	3		X		
4	35 2434X0BW064D		WG	45 - 45 ft bloc	G	FD1	08/23/2024 07:58	3		X		
5	36 2434X0BW039F		WG	36 - 36 ft bloc	G	NS1	08/23/2024 08:13	3		X		
6	37 2434X0BW182F		WG	51 - 51 ft bloc	G	NS1	08/23/2024 08:15	3		X		
7	38 2434Y0BW198C		WQ		G	FB1	08/23/2024 08:21	3		X		

Sample Reason:	RELINQUISHED BY / AFFILIATION	Date Time	ACCEPTED BY / AFFILIATION	Date Time	Sample Receipt Conditions			
Additional Comments/Special Instructions:	<i>[Signature]</i>	8/23/24 1155	<i>[Signature]</i>	8/23/24 1156	<input type="checkbox"/> Yes	<input type="checkbox"/> Yes	<input type="checkbox"/> Yes	<input type="checkbox"/> Yes
	<i>[Signature]</i>	8/23/24	<i>[Signature]</i>	8/24/24 1030	<input type="checkbox"/> Yes	<input type="checkbox"/> Yes	<input type="checkbox"/> Yes	<input type="checkbox"/> Yes
	<i>[Signature]</i>	8/26/24 1500	<i>[Signature]</i>	8/26/24 1500	<input type="checkbox"/> Yes	<input type="checkbox"/> Yes	<input type="checkbox"/> Yes	<input type="checkbox"/> Yes
			<i>[Signature]</i>	8/27/24 900	<input type="checkbox"/> Yes	<input type="checkbox"/> Yes	<input type="checkbox"/> Yes	<input type="checkbox"/> Yes
	SHIPPING METHOD: (mark as appropriate)		SAMPLER NAME AND SIGNATURE	Date Time	Temperature in °C	Sample on Ice?	Sample Intact?	Trip Blank?

Ahtna CAUS3433

FC18326

Page 2 of 2
GORA
8/20

Chain-of-Custody / Analytical Request Document
Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed and accurate

Cooler No.: _____ of _____
COC No: 240823-OUCTP-A-2
Task Desc: FFO2024Q3_Team1234

Lab Name: SGS North America Inc. - Orlando	Site ID #: FFORD	Sampler: 1741468	Filtered														
Lab Address: Elvin Kumar	Project #: 21187.001.01.0000	Sampling Company: Ahtna															
Lab PM: Elvin Kumar	Site Address: FFO, Marina, CA 93933	Site PM Name: Derek Lieberman	Preserve	HCL													
Lab Phone/Fax: (407) 425-6700	Site Address: 9401 Las Pur Ln Ste 201 Monterey, CA	Sampling Company Phone: (831)287-5250															
Lab PM Email:	Site Phone/Fax:	Sampling Team Number: 2	Analysis	SWE260D													
Applicable Lab Quote:	Site PM Email: dlieberman@ahna.net	Reimbursable Project?															
Turnaround Time: 10 Business Days	Turnaround Standard: Standard	Send EDD/Hard Copy To: Labs@ahna.net, dlieberman@ahna.net															

Items No.	Sample ID	Sample Location	Matrix	Depth	Q-C	Sample Type	Sample Date Time	# to Containers	Comments Lab I.D.	Analysis
39	2434X0BW022F		WG	96 - 96 ft bloc	G	NS1	08/23/2024 08:52	3		X
40	2434X0BW057F		WG	117 - 117 ft bloc	G	NS1	08/23/2024 09:25	3		X
41	2434X0BW058F		WG	103 - 103 ft bloc	G	NS1	08/23/2024 09:39	3		X
42	2434X0BW059F		WG	94 - 94 ft bloc	G	NS1	08/23/2024 09:50	3		X

Sample Reason:	RELINQUISHED BY / AFFILIATION	Date Time	ACCEPTED BY / AFFILIATION	Date Time	Sample Receipt Conditions			
					Temperature in °C	Sample on Ice?	Sample Intact?	Trip Blank?
Additional Comments/Special Instructions:	<i>[Signature]</i>	8/23/24 2:15 PM	<i>[Signature]</i>	8/23/24 11:56 AM	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No
	<i>[Signature]</i>	8/23/24 1:57 PM	LaBans SGS	8/26/24 10:30 AM	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No
	LaBans SGS	8/26/24 1:57 PM	FEDEX	8/26/24 15:00	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No
			<i>[Signature]</i>	8/27/24 9:00	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No
	SHIPPING METHOD: (mark as appropriate)		SAMPLER NAME AND SIGNATURE					

FC18326: Chain of Custody
Page 9 of 10



5.1
5

SGS - Orlando Sample Receipt Summary

Job Number: fc18326

Client: AHTNA

Project: OUCTP-A - FFO2024Q3

Date / Time Received: 8/27/2024 9:00:00 AM

Delivery Method: FEDEX

Airbill #s: 778197333274

Cooler Temps (Raw Measured) °C: Cooler 1: (3.0);

Cooler Temps (Corrected) °C: Cooler 1: (2.8);

Cooler Informatio

Y or N

- | | | |
|------------------------------|-------------------------------------|--------------------------|
| 1. Custody Seals Present: | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| 2. Custody Seals Intact: | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| 3. Temp criteria achieved: | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| 4. Cooler temp verification: | IR Gun | |
| 5. Cooler media: | Ice (Bag) | |

Trip Blank Information

Y or N N/A

- | | | | |
|---------------------------------|-------------------------------------|--------------------------|--------------------------|
| 1. Trip Blank present / cooler: | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 2. Trip Blank listed on COC: | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |

W or S N/A

- | | | | |
|------------------------|-------------------------------------|--------------------------|--------------------------|
| 3. Type of TB Received | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
|------------------------|-------------------------------------|--------------------------|--------------------------|

Sample Information

Y or N N/A

- | | | | |
|--|-------------------------------------|-------------------------------------|-------------------------------------|
| 1. Sample labels present on bottles: | <input checked="" type="checkbox"/> | <input type="checkbox"/> | |
| 2. Samples presented properly | <input checked="" type="checkbox"/> | <input type="checkbox"/> | |
| 3. Sufficient volume/containers recv'd for analysi | <input checked="" type="checkbox"/> | <input type="checkbox"/> | |
| 4. Condition of sample: | Intact | | |
| 5. Sample recv'd within HT | <input checked="" type="checkbox"/> | <input type="checkbox"/> | |
| 6. Dates/Times/IDs on COC match sample labe | <input checked="" type="checkbox"/> | <input type="checkbox"/> | |
| 7. VOCs have headspace | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 8. Bottles received for unspecified tests | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| 9. Compositing instructions clear | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| 10. Voa Soil Kits/Jars received past 48hrs? | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| 11. % Solids Jar Received? | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| 12. Residual Chlorine Present? | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |

Misc Information

Number of Encores: 25 Gram	5 Gram	Number of Lab Filtered Metals
Test Strip Lot #s: pH 0-3: <u>226422</u>	pH 10-12: _____	Other: (Specify) pH 1.0 - 12.0 <u>222221</u>
Residual Chlorine Test Strip Lot _____		

Comments Sample 2434X0BW022F 1 vial received with Headspace

Sample Receipt Summary 112723 EK Technician: ZANEB Date: 8/27/2024 10:51:53 AM Reviewer: TW Date: 08/27/24

FC18326: Chain of Custody

Page 10 of 10

5.1
5

QC Evaluation: DOD QSM5.x Limits

Job Number: FC18326
Account: Ahtna Global, LLC
Project: Fort Ord Groundwater Monitoring
Collected: 08/22/24 thru 08/23/24

QC Sample ID	CAS#	Analyte	Sample Type	Result Type	Result	Units	Limits
VN6714 SW846 8260D BY SIM							
VN6714-BS	56-23-5	Carbon Tetrachloride	BSP	REC	88	%	72-136
VN6714-BS	67-66-3	Chloroform	BSP	REC	104	%	79-124
VN6714-BS	75-35-4	1,1-Dichloroethylene	BSP	REC	98	%	71-131
VN6714-BS	540-59-0	1,2-Dichloroethene (total)	BSP	REC	111	%	79-121
VN6714-BS	75-09-2	Methylene Chloride	BSP	REC	192	%	74-124
VN6714-BS	127-18-4	Tetrachloroethylene	BSP	REC	100	%	74-129
VN6714-BS	79-01-6	Trichloroethylene	BSP	REC	104	%	79-123
VN6714-BS	75-01-4	Vinyl Chloride	BSP	REC	104	%	58-137
VN6714-BS	17060-07-0	1,2-Dichloroethane-D4	BSP	SURR	99	%	81-118
VN6714-BS	2037-26-5	Toluene-D8	BSP	SURR	94	%	89-112
FC18326-23MS	56-23-5	Carbon Tetrachloride	MS	REC	86	%	72-136
FC18326-23MS	67-66-3	Chloroform	MS	REC	114	%	79-124
FC18326-23MS	75-35-4	1,1-Dichloroethylene	MS	REC	109	%	71-131
FC18326-23MS	540-59-0	1,2-Dichloroethene (total)	MS	REC	116	%	79-121
FC18326-23MS	75-09-2	Methylene Chloride	MS	REC	161	%	74-124
FC18326-23MS	127-18-4	Tetrachloroethylene	MS	REC	103	%	74-129
FC18326-23MS	79-01-6	Trichloroethylene	MS	REC	110	%	79-123
FC18326-23MS	75-01-4	Vinyl Chloride	MS	REC	109	%	58-137
FC18326-23MS	17060-07-0	1,2-Dichloroethane-D4	MS	SURR	104	%	81-118
FC18326-23MS	2037-26-5	Toluene-D8	MS	SURR	90	%	89-112
FC18326-23MSD	56-23-5	Carbon Tetrachloride	MSD	REC	87	%	72-136
FC18326-23MSD	56-23-5	Carbon Tetrachloride	MSD	RPD	1	%	20
FC18326-23MSD	67-66-3	Chloroform	MSD	REC	109	%	79-124
FC18326-23MSD	67-66-3	Chloroform	MSD	RPD	4	%	20
FC18326-23MSD	75-35-4	1,1-Dichloroethylene	MSD	REC	106	%	71-131
FC18326-23MSD	75-35-4	1,1-Dichloroethylene	MSD	RPD	3	%	20
FC18326-23MSD	540-59-0	1,2-Dichloroethene (total)	MSD	REC	113	%	79-121
FC18326-23MSD	540-59-0	1,2-Dichloroethene (total)	MSD	RPD	2	%	20
FC18326-23MSD	75-09-2	Methylene Chloride	MSD	REC	158	%	74-124
FC18326-23MSD	75-09-2	Methylene Chloride	MSD	RPD	2	%	20
FC18326-23MSD	127-18-4	Tetrachloroethylene	MSD	REC	99	%	74-129
FC18326-23MSD	127-18-4	Tetrachloroethylene	MSD	RPD	4	%	20
FC18326-23MSD	79-01-6	Trichloroethylene	MSD	REC	108	%	79-123
FC18326-23MSD	79-01-6	Trichloroethylene	MSD	RPD	1	%	20
FC18326-23MSD	75-01-4	Vinyl Chloride	MSD	REC	109	%	58-137
FC18326-23MSD	75-01-4	Vinyl Chloride	MSD	RPD	0	%	20
FC18326-23MSD	17060-07-0	1,2-Dichloroethane-D4	MSD	SURR	103	%	81-118
FC18326-23MSD	2037-26-5	Toluene-D8	MSD	SURR	91	%	89-112
VN6714-MB	17060-07-0	1,2-Dichloroethane-D4	MB	SURR	106	%	81-118
VN6714-MB	2037-26-5	Toluene-D8	MB	SURR	104	%	89-112
FC18326-23	17060-07-0	1,2-Dichloroethane-D4	SAMP	SURR	108	%	81-118
FC18326-23	2037-26-5	Toluene-D8	SAMP	SURR	103	%	89-112

* Sample used for QC is not from job FC18326

QC Evaluation: DOD QSM5.x Limits

Job Number: FC18326
Account: Ahtna Global, LLC
Project: Fort Ord Groundwater Monitoring
Collected: 08/22/24 thru 08/23/24

QC Sample ID	CAS#	Analyte	Sample Type	Result Type	Result	Units	Limits
FC18326-24	17060-07-0	1,2-Dichloroethane-D4	SAMP	SURR	109	%	81-118
FC18326-24	2037-26-5	Toluene-D8	SAMP	SURR	103	%	89-112
FC18326-25	17060-07-0	1,2-Dichloroethane-D4	SAMP	SURR	107	%	81-118
FC18326-25	2037-26-5	Toluene-D8	SAMP	SURR	104	%	89-112
FC18326-26	17060-07-0	1,2-Dichloroethane-D4	SAMP	SURR	108	%	81-118
FC18326-26	2037-26-5	Toluene-D8	SAMP	SURR	103	%	89-112
FC18326-27	17060-07-0	1,2-Dichloroethane-D4	SAMP	SURR	109	%	81-118
FC18326-27	2037-26-5	Toluene-D8	SAMP	SURR	104	%	89-112
FC18326-28	17060-07-0	1,2-Dichloroethane-D4	SAMP	SURR	109	%	81-118
FC18326-28	2037-26-5	Toluene-D8	SAMP	SURR	104	%	89-112
FC18326-29	17060-07-0	1,2-Dichloroethane-D4	SAMP	SURR	110	%	81-118
FC18326-29	2037-26-5	Toluene-D8	SAMP	SURR	104	%	89-112
FC18326-30	17060-07-0	1,2-Dichloroethane-D4	SAMP	SURR	109	%	81-118
FC18326-30	2037-26-5	Toluene-D8	SAMP	SURR	103	%	89-112
FC18326-31	17060-07-0	1,2-Dichloroethane-D4	SAMP	SURR	110	%	81-118
FC18326-31	2037-26-5	Toluene-D8	SAMP	SURR	103	%	89-112
FC18326-32	17060-07-0	1,2-Dichloroethane-D4	SAMP	SURR	107	%	81-118
FC18326-32	2037-26-5	Toluene-D8	SAMP	SURR	104	%	89-112
FC18326-33	17060-07-0	1,2-Dichloroethane-D4	SAMP	SURR	111	%	81-118
FC18326-33	2037-26-5	Toluene-D8	SAMP	SURR	104	%	89-112
FC18326-34	17060-07-0	1,2-Dichloroethane-D4	SAMP	SURR	111	%	81-118
FC18326-34	2037-26-5	Toluene-D8	SAMP	SURR	103	%	89-112
FC18326-35	17060-07-0	1,2-Dichloroethane-D4	SAMP	SURR	111	%	81-118
FC18326-35	2037-26-5	Toluene-D8	SAMP	SURR	103	%	89-112

VZ3087 SW846 8260D BY SIM

VZ3087-BS	56-23-5	Carbon Tetrachloride	BSP	REC	102	%	72-136
VZ3087-BS	67-66-3	Chloroform	BSP	REC	108	%	79-124
VZ3087-BS	75-35-4	1,1-Dichloroethylene	BSP	REC	120	%	71-131
VZ3087-BS	540-59-0	1,2-Dichloroethene (total)	BSP	REC	119	%	79-121
VZ3087-BS	75-09-2	Methylene Chloride	BSP	REC	130	%	74-124
VZ3087-BS	127-18-4	Tetrachloroethylene	BSP	REC	102	%	74-129
VZ3087-BS	79-01-6	Trichloroethylene	BSP	REC	106	%	79-123
VZ3087-BS	75-01-4	Vinyl Chloride	BSP	REC	94	%	58-137
VZ3087-BS	17060-07-0	1,2-Dichloroethane-D4	BSP	SURR	103	%	81-118
VZ3087-BS	2037-26-5	Toluene-D8	BSP	SURR	95	%	89-112
FC18326-4MS	56-23-5	Carbon Tetrachloride	MS	REC	90	%	72-136
FC18326-4MS	67-66-3	Chloroform	MS	REC	96	%	79-124
FC18326-4MS	75-35-4	1,1-Dichloroethylene	MS	REC	112	%	71-131
FC18326-4MS	540-59-0	1,2-Dichloroethene (total)	MS	REC	104	%	79-121
FC18326-4MS	75-09-2	Methylene Chloride	MS	REC	155	%	74-124
FC18326-4MS	127-18-4	Tetrachloroethylene	MS	REC	84	%	74-129
FC18326-4MS	79-01-6	Trichloroethylene	MS	REC	94	%	79-123
FC18326-4MS	75-01-4	Vinyl Chloride	MS	REC	97	%	58-137

* Sample used for QC is not from job FC18326

QC Evaluation: DOD QSM5.x Limits

Job Number: FC18326
Account: Ahtna Global, LLC
Project: Fort Ord Groundwater Monitoring
Collected: 08/22/24 thru 08/23/24

QC Sample ID	CAS#	Analyte	Sample Type	Result Type	Result	Units	Limits
FC18326-4MS	17060-07-0	1,2-Dichloroethane-D4	MS	SURR	113	%	81-118
FC18326-4MS	2037-26-5	Toluene-D8	MS	SURR	95	%	89-112
FC18326-4MSD	56-23-5	Carbon Tetrachloride	MSD	REC	92	%	72-136
FC18326-4MSD	56-23-5	Carbon Tetrachloride	MSD	RPD	3	%	20
FC18326-4MSD	67-66-3	Chloroform	MSD	REC	100	%	79-124
FC18326-4MSD	67-66-3	Chloroform	MSD	RPD	4	%	20
FC18326-4MSD	75-35-4	1,1-Dichloroethylene	MSD	REC	116	%	71-131
FC18326-4MSD	75-35-4	1,1-Dichloroethylene	MSD	RPD	3	%	20
FC18326-4MSD	540-59-0	1,2-Dichloroethene (total)	MSD	REC	109	%	79-121
FC18326-4MSD	540-59-0	1,2-Dichloroethene (total)	MSD	RPD	4	%	20
FC18326-4MSD	75-09-2	Methylene Chloride	MSD	REC	163	%	74-124
FC18326-4MSD	75-09-2	Methylene Chloride	MSD	RPD	5	%	20
FC18326-4MSD	127-18-4	Tetrachloroethylene	MSD	REC	86	%	74-129
FC18326-4MSD	127-18-4	Tetrachloroethylene	MSD	RPD	2	%	20
FC18326-4MSD	79-01-6	Trichloroethylene	MSD	REC	98	%	79-123
FC18326-4MSD	79-01-6	Trichloroethylene	MSD	RPD	5	%	20
FC18326-4MSD	75-01-4	Vinyl Chloride	MSD	REC	100	%	58-137
FC18326-4MSD	75-01-4	Vinyl Chloride	MSD	RPD	3	%	20
FC18326-4MSD	17060-07-0	1,2-Dichloroethane-D4	MSD	SURR	114	%	81-118
FC18326-4MSD	2037-26-5	Toluene-D8	MSD	SURR	95	%	89-112
VZ3087-MB	17060-07-0	1,2-Dichloroethane-D4	MB	SURR	108	%	81-118
VZ3087-MB	2037-26-5	Toluene-D8	MB	SURR	95	%	89-112
FC18326-1	17060-07-0	1,2-Dichloroethane-D4	SAMP	SURR	105	%	81-118
FC18326-1	2037-26-5	Toluene-D8	SAMP	SURR	95	%	89-112
FC18326-2	17060-07-0	1,2-Dichloroethane-D4	SAMP	SURR	108	%	81-118
FC18326-2	2037-26-5	Toluene-D8	SAMP	SURR	96	%	89-112
FC18326-3	17060-07-0	1,2-Dichloroethane-D4	SAMP	SURR	109	%	81-118
FC18326-3	2037-26-5	Toluene-D8	SAMP	SURR	95	%	89-112
FC18326-4	17060-07-0	1,2-Dichloroethane-D4	SAMP	SURR	106	%	81-118
FC18326-4	2037-26-5	Toluene-D8	SAMP	SURR	96	%	89-112
FC18326-5	17060-07-0	1,2-Dichloroethane-D4	SAMP	SURR	107	%	81-118
FC18326-5	2037-26-5	Toluene-D8	SAMP	SURR	96	%	89-112
FC18326-6	17060-07-0	1,2-Dichloroethane-D4	SAMP	SURR	109	%	81-118
FC18326-6	2037-26-5	Toluene-D8	SAMP	SURR	96	%	89-112
FC18326-7	17060-07-0	1,2-Dichloroethane-D4	SAMP	SURR	110	%	81-118
FC18326-7	2037-26-5	Toluene-D8	SAMP	SURR	96	%	89-112
FC18326-8	17060-07-0	1,2-Dichloroethane-D4	SAMP	SURR	113	%	81-118
FC18326-8	2037-26-5	Toluene-D8	SAMP	SURR	95	%	89-112
FC18326-9	17060-07-0	1,2-Dichloroethane-D4	SAMP	SURR	108	%	81-118
FC18326-9	2037-26-5	Toluene-D8	SAMP	SURR	95	%	89-112
FC18326-10	17060-07-0	1,2-Dichloroethane-D4	SAMP	SURR	109	%	81-118
FC18326-10	2037-26-5	Toluene-D8	SAMP	SURR	96	%	89-112
FC18326-11	17060-07-0	1,2-Dichloroethane-D4	SAMP	SURR	108	%	81-118
FC18326-11	2037-26-5	Toluene-D8	SAMP	SURR	96	%	89-112
FC18326-12	17060-07-0	1,2-Dichloroethane-D4	SAMP	SURR	110	%	81-118

* Sample used for QC is not from job FC18326

5.2
5

QC Evaluation: DOD QSM5.x Limits

Job Number: FC18326
Account: Ahtna Global, LLC
Project: Fort Ord Groundwater Monitoring
Collected: 08/22/24 thru 08/23/24

QC Sample ID	CAS#	Analyte	Sample Type	Result Type	Result	Units	Limits
FC18326-12	2037-26-5	Toluene-D8	SAMP	SURR	96	%	89-112
FC18326-13	17060-07-0	1,2-Dichloroethane-D4	SAMP	SURR	109	%	81-118
FC18326-13	2037-26-5	Toluene-D8	SAMP	SURR	96	%	89-112
FC18326-14	17060-07-0	1,2-Dichloroethane-D4	SAMP	SURR	113	%	81-118
FC18326-14	2037-26-5	Toluene-D8	SAMP	SURR	96	%	89-112
FC18326-15	17060-07-0	1,2-Dichloroethane-D4	SAMP	SURR	112	%	81-118
FC18326-15	2037-26-5	Toluene-D8	SAMP	SURR	96	%	89-112
FC18326-16	17060-07-0	1,2-Dichloroethane-D4	SAMP	SURR	114	%	81-118
FC18326-16	2037-26-5	Toluene-D8	SAMP	SURR	95	%	89-112
FC18326-17	17060-07-0	1,2-Dichloroethane-D4	SAMP	SURR	112	%	81-118
FC18326-17	2037-26-5	Toluene-D8	SAMP	SURR	96	%	89-112
FC18326-18	17060-07-0	1,2-Dichloroethane-D4	SAMP	SURR	114	%	81-118
FC18326-18	2037-26-5	Toluene-D8	SAMP	SURR	96	%	89-112
FC18326-19	17060-07-0	1,2-Dichloroethane-D4	SAMP	SURR	113	%	81-118
FC18326-19	2037-26-5	Toluene-D8	SAMP	SURR	96	%	89-112
FC18326-20	17060-07-0	1,2-Dichloroethane-D4	SAMP	SURR	112	%	81-118
FC18326-20	2037-26-5	Toluene-D8	SAMP	SURR	96	%	89-112
VZ3088 SW846 8260D BY SIM							
VZ3088-BS	56-23-5	Carbon Tetrachloride	BSP	REC	98	%	72-136
VZ3088-BS	67-66-3	Chloroform	BSP	REC	108	%	79-124
VZ3088-BS	75-35-4	1,1-Dichloroethylene	BSP	REC	118	%	71-131
VZ3088-BS	540-59-0	1,2-Dichloroethene (total)	BSP	REC	119	%	79-121
VZ3088-BS	75-09-2	Methylene Chloride	BSP	REC	148	%	74-124
VZ3088-BS	127-18-4	Tetrachloroethylene	BSP	REC	102	%	74-129
VZ3088-BS	79-01-6	Trichloroethylene	BSP	REC	104	%	79-123
VZ3088-BS	75-01-4	Vinyl Chloride	BSP	REC	100	%	58-137
VZ3088-BS	17060-07-0	1,2-Dichloroethane-D4	BSP	SURR	103	%	81-118
VZ3088-BS	2037-26-5	Toluene-D8	BSP	SURR	93	%	89-112
FC18325-4MS*	56-23-5	Carbon Tetrachloride	MS	REC	101	%	72-136
FC18325-4MS*	67-66-3	Chloroform	MS	REC	115	%	79-124
FC18325-4MS*	75-35-4	1,1-Dichloroethylene	MS	REC	134	%	71-131
FC18325-4MS*	540-59-0	1,2-Dichloroethene (total)	MS	REC	125	%	79-121
FC18325-4MS*	75-09-2	Methylene Chloride	MS	REC	160	%	74-124
FC18325-4MS*	127-18-4	Tetrachloroethylene	MS	REC	92	%	74-129
FC18325-4MS*	79-01-6	Trichloroethylene	MS	REC	106	%	79-123
FC18325-4MS*	75-01-4	Vinyl Chloride	MS	REC	102	%	58-137
FC18325-4MS*	17060-07-0	1,2-Dichloroethane-D4	MS	SURR	121	%	81-118
FC18325-4MS*	2037-26-5	Toluene-D8	MS	SURR	93	%	89-112
FC18325-4MSD*	56-23-5	Carbon Tetrachloride	MSD	REC	96	%	72-136
FC18325-4MSD*	56-23-5	Carbon Tetrachloride	MSD	RPD	5	%	20
FC18325-4MSD*	67-66-3	Chloroform	MSD	REC	108	%	79-124
FC18325-4MSD*	67-66-3	Chloroform	MSD	RPD	6	%	20
FC18325-4MSD*	75-35-4	1,1-Dichloroethylene	MSD	REC	127	%	71-131

* Sample used for QC is not from job FC18326

QC Evaluation: DOD QSM5.x Limits

Job Number: FC18326
Account: Ahtna Global, LLC
Project: Fort Ord Groundwater Monitoring
Collected: 08/22/24 thru 08/23/24

QC Sample ID	CAS#	Analyte	Sample Type	Result Type	Result	Units	Limits
FC18325-4MSD*	75-35-4	1,1-Dichloroethylene	MSD	RPD	5	%	20
FC18325-4MSD*	540-59-0	1,2-Dichloroethene (total)	MSD	REC	118	%	79-121
FC18325-4MSD*	540-59-0	1,2-Dichloroethene (total)	MSD	RPD	5	%	20
FC18325-4MSD*	75-09-2	Methylene Chloride	MSD	REC	148	%	74-124
FC18325-4MSD*	75-09-2	Methylene Chloride	MSD	RPD	8	%	20
FC18325-4MSD*	127-18-4	Tetrachloroethylene	MSD	REC	88	%	74-129
FC18325-4MSD*	127-18-4	Tetrachloroethylene	MSD	RPD	4	%	20
FC18325-4MSD*	79-01-6	Trichloroethylene	MSD	REC	99	%	79-123
FC18325-4MSD*	79-01-6	Trichloroethylene	MSD	RPD	7	%	20
FC18325-4MSD*	75-01-4	Vinyl Chloride	MSD	REC	109	%	58-137
FC18325-4MSD*	75-01-4	Vinyl Chloride	MSD	RPD	7	%	20
FC18325-4MSD*	17060-07-0	1,2-Dichloroethane-D4	MSD	SURR	119	%	81-118
FC18325-4MSD*	2037-26-5	Toluene-D8	MSD	SURR	93	%	89-112
VZ3088-MB	17060-07-0	1,2-Dichloroethane-D4	MB	SURR	108	%	81-118
VZ3088-MB	2037-26-5	Toluene-D8	MB	SURR	93	%	89-112
FC18326-21	17060-07-0	1,2-Dichloroethane-D4	SAMP	SURR	116	%	81-118
FC18326-21	2037-26-5	Toluene-D8	SAMP	SURR	94	%	89-112
FC18326-22	17060-07-0	1,2-Dichloroethane-D4	SAMP	SURR	118	%	81-118
FC18326-22	2037-26-5	Toluene-D8	SAMP	SURR	94	%	89-112

VZ3089 SW846 8260D BY SIM

VZ3089-BS	56-23-5	Carbon Tetrachloride	BSP	REC	102	%	72-136
VZ3089-BS	67-66-3	Chloroform	BSP	REC	118	%	79-124
VZ3089-BS	75-35-4	1,1-Dichloroethylene	BSP	REC	132	%	71-131
VZ3089-BS	540-59-0	1,2-Dichloroethene (total)	BSP	REC	130	%	79-121
VZ3089-BS	75-09-2	Methylene Chloride	BSP	REC	152	%	74-124
VZ3089-BS	127-18-4	Tetrachloroethylene	BSP	REC	94	%	74-129
VZ3089-BS	79-01-6	Trichloroethylene	BSP	REC	108	%	79-123
VZ3089-BS	75-01-4	Vinyl Chloride	BSP	REC	104	%	58-137
VZ3089-BS	17060-07-0	1,2-Dichloroethane-D4	BSP	SURR	113	%	81-118
VZ3089-BS	2037-26-5	Toluene-D8	BSP	SURR	93	%	89-112
FC18326-36MS	56-23-5	Carbon Tetrachloride	MS	REC	105	%	72-136
FC18326-36MS	67-66-3	Chloroform	MS	REC	118	%	79-124
FC18326-36MS	75-35-4	1,1-Dichloroethylene	MS	REC	138	%	71-131
FC18326-36MS	540-59-0	1,2-Dichloroethene (total)	MS	REC	128	%	79-121
FC18326-36MS	75-09-2	Methylene Chloride	MS	REC	136	%	74-124
FC18326-36MS	127-18-4	Tetrachloroethylene	MS	REC	96	%	74-129
FC18326-36MS	79-01-6	Trichloroethylene	MS	REC	113	%	79-123
FC18326-36MS	75-01-4	Vinyl Chloride	MS	REC	104	%	58-137
FC18326-36MS	17060-07-0	1,2-Dichloroethane-D4	MS	SURR	118	%	81-118
FC18326-36MS	2037-26-5	Toluene-D8	MS	SURR	93	%	89-112
FC18326-36MSD	56-23-5	Carbon Tetrachloride	MSD	REC	97	%	72-136
FC18326-36MSD	56-23-5	Carbon Tetrachloride	MSD	RPD	8	%	20
FC18326-36MSD	67-66-3	Chloroform	MSD	REC	108	%	79-124

* Sample used for QC is not from job FC18326

QC Evaluation: DOD QSM5.x Limits

Job Number: FC18326
Account: Ahtna Global, LLC
Project: Fort Ord Groundwater Monitoring
Collected: 08/22/24 thru 08/23/24

QC Sample ID	CAS#	Analyte	Sample Type	Result Type	Result	Units	Limits
FC18326-36MSD	67-66-3	Chloroform	MSD	RPD	9	%	20
FC18326-36MSD	75-35-4	1,1-Dichloroethylene	MSD	REC	126	%	71-131
FC18326-36MSD	75-35-4	1,1-Dichloroethylene	MSD	RPD	9	%	20
FC18326-36MSD	540-59-0	1,2-Dichloroethene (total)	MSD	REC	118	%	79-121
FC18326-36MSD	540-59-0	1,2-Dichloroethene (total)	MSD	RPD	8	%	20
FC18326-36MSD	75-09-2	Methylene Chloride	MSD	REC	138	%	74-124
FC18326-36MSD	75-09-2	Methylene Chloride	MSD	RPD	1	%	20
FC18326-36MSD	127-18-4	Tetrachloroethylene	MSD	REC	88	%	74-129
FC18326-36MSD	127-18-4	Tetrachloroethylene	MSD	RPD	9	%	20
FC18326-36MSD	79-01-6	Trichloroethylene	MSD	REC	103	%	79-123
FC18326-36MSD	79-01-6	Trichloroethylene	MSD	RPD	9	%	20
FC18326-36MSD	75-01-4	Vinyl Chloride	MSD	REC	109	%	58-137
FC18326-36MSD	75-01-4	Vinyl Chloride	MSD	RPD	5	%	20
FC18326-36MSD	17060-07-0	1,2-Dichloroethane-D4	MSD	SURR	117	%	81-118
FC18326-36MSD	2037-26-5	Toluene-D8	MSD	SURR	93	%	89-112
VZ3089-MB	17060-07-0	1,2-Dichloroethane-D4	MB	SURR	113	%	81-118
VZ3089-MB	2037-26-5	Toluene-D8	MB	SURR	93	%	89-112
FC18326-36	17060-07-0	1,2-Dichloroethane-D4	SAMP	SURR	116	%	81-118
FC18326-36	2037-26-5	Toluene-D8	SAMP	SURR	94	%	89-112
FC18326-37	17060-07-0	1,2-Dichloroethane-D4	SAMP	SURR	118	%	81-118
FC18326-37	2037-26-5	Toluene-D8	SAMP	SURR	93	%	89-112
FC18326-38	17060-07-0	1,2-Dichloroethane-D4	SAMP	SURR	111	%	81-118
FC18326-38	2037-26-5	Toluene-D8	SAMP	SURR	93	%	89-112
FC18326-39	17060-07-0	1,2-Dichloroethane-D4	SAMP	SURR	116	%	81-118
FC18326-39	2037-26-5	Toluene-D8	SAMP	SURR	94	%	89-112
FC18326-40	17060-07-0	1,2-Dichloroethane-D4	SAMP	SURR	116	%	81-118
FC18326-40	2037-26-5	Toluene-D8	SAMP	SURR	94	%	89-112
FC18326-41	17060-07-0	1,2-Dichloroethane-D4	SAMP	SURR	116	%	81-118
FC18326-41	2037-26-5	Toluene-D8	SAMP	SURR	95	%	89-112
FC18326-42	17060-07-0	1,2-Dichloroethane-D4	SAMP	SURR	115	%	81-118
FC18326-42	2037-26-5	Toluene-D8	SAMP	SURR	94	%	89-112

* Sample used for QC is not from job FC18326

MS Volatiles

QC Data Summaries

Includes the following where applicable:

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

Method Blank Summary

Job Number: FC18326
Account: AHTNACAS Ahtna Global, LLC
Project: Fort Ord Groundwater Monitoring

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VZ3087-MB	Z76672.D	1	08/30/24	CS	n/a	n/a	VZ3087

The QC reported here applies to the following samples:

Method: SW846 8260D BY SIM

FC18326-1, FC18326-2, FC18326-3, FC18326-4, FC18326-5, FC18326-6, FC18326-7, FC18326-8, FC18326-9, FC18326-10, FC18326-11, FC18326-12, FC18326-13, FC18326-14, FC18326-15, FC18326-16, FC18326-17, FC18326-18, FC18326-19, FC18326-20

CAS No.	Compound	Result	RL	MDL	Units	Q
56-23-5	Carbon Tetrachloride	ND	0.50	0.10	ug/l	
67-66-3	Chloroform	ND	0.50	0.10	ug/l	
75-35-4	1,1-Dichloroethylene	ND	0.50	0.10	ug/l	
540-59-0	1,2-Dichloroethene (total)	ND	0.50	0.10	ug/l	
75-09-2	Methylene Chloride	ND	2.0	0.50	ug/l	
127-18-4	Tetrachloroethylene	ND	0.50	0.10	ug/l	
79-01-6	Trichloroethylene	ND	0.50	0.10	ug/l	
75-01-4	Vinyl Chloride	ND	0.10	0.050	ug/l	

CAS No.	Surrogate Recoveries	Limits	
17060-07-0	1,2-Dichloroethane-D4	108%	74-125%
2037-26-5	Toluene-D8	95%	88-111%

Method Blank Summary

Job Number: FC18326
Account: AHTNACAS Ahtna Global, LLC
Project: Fort Ord Groundwater Monitoring

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VZ3088-MB	Z76700.D	1	09/03/24	CS	n/a	n/a	VZ3088

The QC reported here applies to the following samples:

Method: SW846 8260D BY SIM

FC18326-21, FC18326-22

CAS No.	Compound	Result	RL	MDL	Units	Q
56-23-5	Carbon Tetrachloride	ND	0.50	0.10	ug/l	
67-66-3	Chloroform	ND	0.50	0.10	ug/l	
75-35-4	1,1-Dichloroethylene	ND	0.50	0.10	ug/l	
540-59-0	1,2-Dichloroethene (total)	ND	0.50	0.10	ug/l	
75-09-2	Methylene Chloride	ND	2.0	0.50	ug/l	
127-18-4	Tetrachloroethylene	ND	0.50	0.10	ug/l	
79-01-6	Trichloroethylene	ND	0.50	0.10	ug/l	
75-01-4	Vinyl Chloride	ND	0.10	0.050	ug/l	

CAS No.	Surrogate Recoveries	Limits	
17060-07-0	1,2-Dichloroethane-D4	108%	74-125%
2037-26-5	Toluene-D8	93%	88-111%

Method Blank Summary

Job Number: FC18326
Account: AHTNACAS Ahtna Global, LLC
Project: Fort Ord Groundwater Monitoring

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VN6714-MB	N0132425.D	1	09/04/24	JW	n/a	n/a	VN6714

The QC reported here applies to the following samples:

Method: SW846 8260D BY SIM

FC18326-23, FC18326-24, FC18326-25, FC18326-26, FC18326-27, FC18326-28, FC18326-29, FC18326-30, FC18326-31, FC18326-32, FC18326-33, FC18326-34, FC18326-35

CAS No.	Compound	Result	RL	MDL	Units	Q
56-23-5	Carbon Tetrachloride	ND	0.50	0.10	ug/l	
67-66-3	Chloroform	ND	0.50	0.10	ug/l	
75-35-4	1,1-Dichloroethylene	ND	0.50	0.10	ug/l	
540-59-0	1,2-Dichloroethene (total)	ND	0.50	0.10	ug/l	
75-09-2	Methylene Chloride ^a	1.6	2.0	0.50	ug/l	JB
127-18-4	Tetrachloroethylene	ND	0.50	0.10	ug/l	
79-01-6	Trichloroethylene	ND	0.50	0.10	ug/l	
75-01-4	Vinyl Chloride	ND	0.10	0.050	ug/l	

CAS No.	Surrogate Recoveries	Limits	
17060-07-0	1,2-Dichloroethane-D4	106%	74-125%
2037-26-5	Toluene-D8	104%	88-111%

(a) Suspected laboratory contaminant.

Method Blank Summary

Job Number: FC18326
Account: AHTNACAS Ahtna Global, LLC
Project: Fort Ord Groundwater Monitoring

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VZ3089-MB	Z76728.D	1	09/04/24	CS	n/a	n/a	VZ3089

The QC reported here applies to the following samples:

Method: SW846 8260D BY SIM

FC18326-36, FC18326-37, FC18326-38, FC18326-39, FC18326-40, FC18326-41, FC18326-42

CAS No.	Compound	Result	RL	MDL	Units	Q
56-23-5	Carbon Tetrachloride	ND	0.50	0.10	ug/l	
67-66-3	Chloroform	ND	0.50	0.10	ug/l	
75-35-4	1,1-Dichloroethylene	ND	0.50	0.10	ug/l	
540-59-0	1,2-Dichloroethene (total)	ND	0.50	0.10	ug/l	
75-09-2	Methylene Chloride	ND	2.0	0.50	ug/l	
127-18-4	Tetrachloroethylene	ND	0.50	0.10	ug/l	
79-01-6	Trichloroethylene	ND	0.50	0.10	ug/l	
75-01-4	Vinyl Chloride	ND	0.10	0.050	ug/l	

CAS No.	Surrogate Recoveries	Limits	
17060-07-0	1,2-Dichloroethane-D4	113%	74-125%
2037-26-5	Toluene-D8	93%	88-111%

Blank Spike Summary

Job Number: FC18326
Account: AHTNACAS Ahtna Global, LLC
Project: Fort Ord Groundwater Monitoring

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VZ3087-BS	Z76670.D	1	08/30/24	CS	n/a	n/a	VZ3087

The QC reported here applies to the following samples:

Method: SW846 8260D BY SIM

FC18326-1, FC18326-2, FC18326-3, FC18326-4, FC18326-5, FC18326-6, FC18326-7, FC18326-8, FC18326-9, FC18326-10, FC18326-11, FC18326-12, FC18326-13, FC18326-14, FC18326-15, FC18326-16, FC18326-17, FC18326-18, FC18326-19, FC18326-20

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
56-23-5	Carbon Tetrachloride	5	5.1	102	76-136
67-66-3	Chloroform	5	5.4	108	80-124
75-35-4	1,1-Dichloroethylene	5	6.0	120	78-137
540-59-0	1,2-Dichloroethene (total)	10	11.9	119	76-127
75-09-2	Methylene Chloride	5	6.5	130	69-135
127-18-4	Tetrachloroethylene	5	5.1	102	76-135
79-01-6	Trichloroethylene	5	5.3	106	81-126
75-01-4	Vinyl Chloride	5	4.7	94	69-159

CAS No.	Surrogate Recoveries	BSP	Limits
17060-07-0	1,2-Dichloroethane-D4	103%	74-125%
2037-26-5	Toluene-D8	95%	88-111%

* = Outside of Control Limits.

Blank Spike Summary

Job Number: FC18326
Account: AHTNACAS Ahtna Global, LLC
Project: Fort Ord Groundwater Monitoring

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VZ3088-BS	Z76698.D	1	09/03/24	CS	n/a	n/a	VZ3088

The QC reported here applies to the following samples:

Method: SW846 8260D BY SIM

FC18326-21, FC18326-22

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
56-23-5	Carbon Tetrachloride	5	4.9	98	76-136
67-66-3	Chloroform	5	5.4	108	80-124
75-35-4	1,1-Dichloroethylene	5	5.9	118	78-137
540-59-0	1,2-Dichloroethene (total)	10	11.9	119	76-127
75-09-2	Methylene Chloride	5	7.4	148*	69-135
127-18-4	Tetrachloroethylene	5	5.1	102	76-135
79-01-6	Trichloroethylene	5	5.2	104	81-126
75-01-4	Vinyl Chloride	5	5.0	100	69-159

CAS No.	Surrogate Recoveries	BSP	Limits
17060-07-0	1,2-Dichloroethane-D4	103%	74-125%
2037-26-5	Toluene-D8	93%	88-111%

* = Outside of Control Limits.

Blank Spike Summary

Job Number: FC18326
Account: AHTNACAS Ahtna Global, LLC
Project: Fort Ord Groundwater Monitoring

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VN6714-BS	N0132423.D	1	09/04/24	JW	n/a	n/a	VN6714

The QC reported here applies to the following samples:

Method: SW846 8260D BY SIM

FC18326-23, FC18326-24, FC18326-25, FC18326-26, FC18326-27, FC18326-28, FC18326-29, FC18326-30, FC18326-31, FC18326-32, FC18326-33, FC18326-34, FC18326-35

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
56-23-5	Carbon Tetrachloride	5	4.4	88	76-136
67-66-3	Chloroform	5	5.2	104	80-124
75-35-4	1,1-Dichloroethylene	5	4.9	98	78-137
540-59-0	1,2-Dichloroethene (total)	10	11.1	111	76-127
75-09-2	Methylene Chloride	5	9.6	192*	69-135
127-18-4	Tetrachloroethylene	5	5.0	100	76-135
79-01-6	Trichloroethylene	5	5.2	104	81-126
75-01-4	Vinyl Chloride	5	5.2	104	69-159

CAS No.	Surrogate Recoveries	BSP	Limits
17060-07-0	1,2-Dichloroethane-D4	99%	74-125%
2037-26-5	Toluene-D8	94%	88-111%

* = Outside of Control Limits.

Blank Spike Summary

Job Number: FC18326
Account: AHTNACAS Ahtna Global, LLC
Project: Fort Ord Groundwater Monitoring

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VZ3089-BS	Z76726.D	1	09/04/24	CS	n/a	n/a	VZ3089

The QC reported here applies to the following samples:

Method: SW846 8260D BY SIM

FC18326-36, FC18326-37, FC18326-38, FC18326-39, FC18326-40, FC18326-41, FC18326-42

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
56-23-5	Carbon Tetrachloride	5	5.1	102	76-136
67-66-3	Chloroform	5	5.9	118	80-124
75-35-4	1,1-Dichloroethylene	5	6.6	132	78-137
540-59-0	1,2-Dichloroethene (total)	10	13.0	130*	76-127
75-09-2	Methylene Chloride	5	7.6	152*	69-135
127-18-4	Tetrachloroethylene	5	4.7	94	76-135
79-01-6	Trichloroethylene	5	5.4	108	81-126
75-01-4	Vinyl Chloride	5	5.2	104	69-159

CAS No.	Surrogate Recoveries	BSP	Limits
17060-07-0	1,2-Dichloroethane-D4	113%	74-125%
2037-26-5	Toluene-D8	93%	88-111%

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: FC18326
Account: AHTNACAS Ahtna Global, LLC
Project: Fort Ord Groundwater Monitoring

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
FC18326-4MS	Z76693.D	5	08/30/24	CS	n/a	n/a	VZ3087
FC18326-4MSD	Z76694.D	5	08/30/24	CS	n/a	n/a	VZ3087
FC18326-4	Z76677.D	1	08/30/24	CS	n/a	n/a	VZ3087

The QC reported here applies to the following samples:

Method: SW846 8260D BY SIM

FC18326-1, FC18326-2, FC18326-3, FC18326-4, FC18326-5, FC18326-6, FC18326-7, FC18326-8, FC18326-9, FC18326-10, FC18326-11, FC18326-12, FC18326-13, FC18326-14, FC18326-15, FC18326-16, FC18326-17, FC18326-18, FC18326-19, FC18326-20

CAS No.	Compound	FC18326-4 ug/l	Spike Q ug/l	MS ug/l	MS %	Spike ug/l	MSD ug/l	MSD %	RPD	Limits Rec/RPD
56-23-5	Carbon Tetrachloride	0.50 U	25	22.5	90	25	23.1	92	3	76-136/23
67-66-3	Chloroform	0.50 U	25	24.0	96	25	25.0	100	4	80-124/15
75-35-4	1,1-Dichloroethylene	0.50 U	25	28.0	112	25	28.9	116	3	78-137/18
540-59-0	1,2-Dichloroethene (total)	0.50 U	50	52.2	104	50	54.4	109	4	76-127/17
75-09-2	Methylene Chloride	2.0 U	25	38.7	155*	25	40.8	163*	5	69-135/16
127-18-4	Tetrachloroethylene	0.50 U	25	21.0	84	25	21.5	86	2	76-135/16
79-01-6	Trichloroethylene	0.11 J	25	23.5	94	25	24.6	98	5	81-126/15
75-01-4	Vinyl Chloride	0.10 U	25	24.2	97	25	25.0	100	3	69-159/18

CAS No.	Surrogate Recoveries	MS	MSD	FC18326-4	Limits
17060-07-0	1,2-Dichloroethane-D4	113%	114%	106%	74-125%
2037-26-5	Toluene-D8	95%	95%	96%	88-111%

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: FC18326
Account: AHTNACAS Ahtna Global, LLC
Project: Fort Ord Groundwater Monitoring

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
FC18325-4MS	Z76721.D	5	09/03/24	CS	n/a	n/a	VZ3088
FC18325-4MSD	Z76722.D	5	09/03/24	CS	n/a	n/a	VZ3088
FC18325-4	Z76706.D	1	09/03/24	CS	n/a	n/a	VZ3088

The QC reported here applies to the following samples:

Method: SW846 8260D BY SIM

FC18326-21, FC18326-22

CAS No.	Compound	FC18325-4 ug/l	Spike Q ug/l	MS ug/l	MS %	Spike ug/l	MSD ug/l	MSD %	RPD	Limits Rec/RPD
56-23-5	Carbon Tetrachloride	0.50 U	25	25.2	101	25	23.9	96	5	76-136/23
67-66-3	Chloroform	0.50 U	25	28.7	115	25	27.1	108	6	80-124/15
75-35-4	1,1-Dichloroethylene	0.50 U	25	33.5	134	25	31.8	127	5	78-137/18
540-59-0	1,2-Dichloroethene (total)	0.25 J	50	62.6	125	50	59.3	118	5	76-127/17
75-09-2	Methylene Chloride	2.0 U	25	40.1	160*	25	36.9	148*	8	69-135/16
127-18-4	Tetrachloroethylene	0.50 U	25	22.9	92	25	21.9	88	4	76-135/16
79-01-6	Trichloroethylene	0.32 J	25	26.8	106	25	25.1	99	7	81-126/15
75-01-4	Vinyl Chloride	0.10 U	25	25.5	102	25	27.3	109	7	69-159/18

CAS No.	Surrogate Recoveries	MS	MSD	FC18325-4	Limits
17060-07-0	1,2-Dichloroethane-D4	121%	119%	111%	74-125%
2037-26-5	Toluene-D8	93%	93%	94%	88-111%

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: FC18326
Account: AHTNACAS Ahtna Global, LLC
Project: Fort Ord Groundwater Monitoring

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
FC18326-36MS	Z76739.D	5	09/04/24	CS	n/a	n/a	VZ3089
FC18326-36MSD	Z76740.D	5	09/04/24	CS	n/a	n/a	VZ3089
FC18326-36	Z76733.D	1	09/04/24	CS	n/a	n/a	VZ3089

The QC reported here applies to the following samples:

Method: SW846 8260D BY SIM

FC18326-36, FC18326-37, FC18326-38, FC18326-39, FC18326-40, FC18326-41, FC18326-42

CAS No.	Compound	FC18326-36 ug/l	Spike Q ug/l	MS ug/l	MS %	Spike ug/l	MSD ug/l	MSD %	RPD	Limits Rec/RPD
56-23-5	Carbon Tetrachloride	0.50 U	25	26.2	105	25	24.2	97	8	76-136/23
67-66-3	Chloroform	0.50 U	25	29.5	118	25	27.0	108	9	80-124/15
75-35-4	1,1-Dichloroethylene	0.50 U	25	34.5	138*	25	31.5	126	9	78-137/18
540-59-0	1,2-Dichloroethene (total)	0.50 U	50	64.0	128*	50	58.8	118	8	76-127/17
75-09-2	Methylene Chloride	2.0 U	25	34.1	136*	25	34.5	138*	1	69-135/16
127-18-4	Tetrachloroethylene	0.50 U	25	24.0	96	25	22.0	88	9	76-135/16
79-01-6	Trichloroethylene	0.50 U	25	28.2	113	25	25.7	103	9	81-126/15
75-01-4	Vinyl Chloride	0.10 U	25	26.0	104	25	27.2	109	5	69-159/18

CAS No.	Surrogate Recoveries	MS	MSD	FC18326-36	Limits
17060-07-0	1,2-Dichloroethane-D4	118%	117%	116%	74-125%
2037-26-5	Toluene-D8	93%	93%	94%	88-111%

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: FC18326
Account: AHTNACAS Ahtna Global, LLC
Project: Fort Ord Groundwater Monitoring

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
FC18326-23MS	N0132441.D	5	09/04/24	JW	n/a	n/a	VN6714
FC18326-23MSD	N0132442.D	5	09/04/24	JW	n/a	n/a	VN6714
FC18326-23	N0132428.D	1	09/04/24	JW	n/a	n/a	VN6714

The QC reported here applies to the following samples:

Method: SW846 8260D BY SIM

FC18326-23, FC18326-24, FC18326-25, FC18326-26, FC18326-27, FC18326-28, FC18326-29, FC18326-30, FC18326-31, FC18326-32, FC18326-33, FC18326-34, FC18326-35

CAS No.	Compound	FC18326-23 ug/l	Spike Q	MS ug/l	MS %	Spike ug/l	MSD ug/l	MSD %	RPD	Limits Rec/RPD
56-23-5	Carbon Tetrachloride	0.50 U	25	21.6	86	25	21.8	87	1	76-136/23
67-66-3	Chloroform	0.50 U	25	28.5	114	25	27.3	109	4	80-124/15
75-35-4	1,1-Dichloroethylene	0.50 U	25	27.2	109	25	26.4	106	3	78-137/18
540-59-0	1,2-Dichloroethene (total)	0.50 U	50	57.9	116	50	56.5	113	2	76-127/17
75-09-2	Methylene Chloride	1.5 JB	25	41.8	161*	25	41.1	158*	2	69-135/16
127-18-4	Tetrachloroethylene	0.50 U	25	25.8	103	25	24.7	99	4	76-135/16
79-01-6	Trichloroethylene	0.50 U	25	27.4	110	25	27.1	108	1	81-126/15
75-01-4	Vinyl Chloride	0.10 U	25	27.3	109	25	27.3	109	0	69-159/18

CAS No.	Surrogate Recoveries	MS	MSD	FC18326-23	Limits
17060-07-0	1,2-Dichloroethane-D4	104%	103%	108%	74-125%
2037-26-5	Toluene-D8	90%	91%	103%	88-111%

* = Outside of Control Limits.

Instrument Performance Check (BFB)

Job Number: FC18326
Account: AHTNACAS Ahtna Global, LLC
Project: Fort Ord Groundwater Monitoring

Sample: VN6705-BFB	Injection Date: 08/20/24
Lab File ID: N0132197.D	Injection Time: 09:04
Instrument ID: GCMSN	

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance	Pass/Fail
95	Base peak, 100% relative abundance	28939	100.0	Pass
96	5.0 - 9.0% of mass 95	1718	5.94	Pass
173	Less than 2.0% of mass 174	120	0.41 (0.48) ^a	Pass
174	50.0 - 200.0% of mass 95	24867	85.9	Pass
175	5.0 - 9.0% of mass 174	1811	6.26 (7.28) ^a	Pass
176	95.0 - 105.0% of mass 174	24459	84.5 (98.4) ^a	Pass
177	5.0 - 10.0% of mass 176	1743	6.02 (7.13) ^b	Pass

(a) Value is % of mass 174

(b) Value is % of mass 176

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

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
VN6705-IC6705	N0132200.D	08/20/24	10:17	01:13	Initial cal 3
VN6705-IC6705	N0132201.D	08/20/24	10:41	01:37	Initial cal 4
VN6705-ICC6705	N0132202.D	08/20/24	11:04	02:00	Initial cal 5
VN6705-IC6705	N0132203.D	08/20/24	11:28	02:24	Initial cal 6
VN6705-IC6705	N0132204.D	08/20/24	11:51	02:47	Initial cal 7
VN6705-IC6705	N0132207.D	08/20/24	13:05	04:01	Initial cal 1
VN6705-IC6705	N0132208.D	08/20/24	13:28	04:24	Initial cal 2
VN6705-ICV6705	N0132209.D	08/20/24	13:52	04:48	Initial cal verification 5

Instrument Performance Check (BFB)

Job Number: FC18326
Account: AHTNACAS Ahtna Global, LLC
Project: Fort Ord Groundwater Monitoring

Sample: VN6714-BFB	Injection Date: 09/04/24
Lab File ID: N0132421.D	Injection Time: 06:43
Instrument ID: GCMSN	

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance	Pass/Fail
95	Base peak, 100% relative abundance	38235	100.0	Pass
96	5.0 - 9.0% of mass 95	2714	7.10	Pass
173	Less than 2.0% of mass 174	267	0.70 (0.90) ^a	Pass
174	50.0 - 200.0% of mass 95	29768	77.9	Pass
175	5.0 - 9.0% of mass 174	2117	5.54 (7.11) ^a	Pass
176	95.0 - 105.0% of mass 174	30227	79.1 (101.5) ^a	Pass
177	5.0 - 10.0% of mass 176	2185	5.71 (7.23) ^b	Pass

(a) Value is % of mass 174

(b) Value is % of mass 176

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

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
VN6714-CC6705	N0132422.D	09/04/24	07:06	00:23	Continuing cal 5
VN6714-BS	N0132423.D	09/04/24	07:32	00:49	Blank Spike
VN6714-MB	N0132425.D	09/04/24	08:19	01:36	Method Blank
FC18326-25	N0132426.D	09/04/24	08:52	02:09	24340BWX212A
FC18326-32	N0132427.D	09/04/24	09:16	02:33	2434Y0BW215A
FC18326-23	N0132428.D	09/04/24	09:39	02:56	2434X0BW031F
FC18326-24	N0132429.D	09/04/24	10:02	03:19	2434X0BW038F
FC18326-26	N0132430.D	09/04/24	10:26	03:43	2434X0BW006F
FC18326-27	N0132431.D	09/04/24	10:49	04:06	2434X0BW008F
FC18326-28	N0132432.D	09/04/24	11:12	04:29	2434X0BW010F
FC18326-29	N0132433.D	09/04/24	11:35	04:52	2434X0BW012F
FC18326-30	N0132434.D	09/04/24	11:59	05:16	2434XOU2001F
FC18326-31	N0132435.D	09/04/24	12:22	05:39	2434XOU2002F
FC18326-33	N0132436.D	09/04/24	12:45	06:02	2434X0BW040F
FC18326-34	N0132437.D	09/04/24	13:09	06:26	2434X0BW183F
FC18326-35	N0132438.D	09/04/24	13:32	06:49	2434X0BW064D
ZZZZZZ	N0132439.D	09/04/24	13:56	07:13	(unrelated sample)
ZZZZZZ	N0132440.D	09/04/24	14:19	07:36	(unrelated sample)
FC18326-23MS	N0132441.D	09/04/24	14:42	07:59	Matrix Spike
FC18326-23MSD	N0132442.D	09/04/24	15:05	08:22	Matrix Spike Duplicate
VN6714-ECC6705	N0132443.D	09/04/24	15:29	08:46	Ending cal 5

Instrument Performance Check (BFB)

Job Number: FC18326
Account: AHTNACAS Ahtna Global, LLC
Project: Fort Ord Groundwater Monitoring

Sample: VZ3084-BFB	Injection Date: 08/28/24
Lab File ID: Z76601.D	Injection Time: 07:36
Instrument ID: GCMSZ	

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance	Pass/Fail
95	Base peak, 100% relative abundance	102783	100.0	Pass
96	5.0 - 9.0% of mass 95	7256	7.06	Pass
173	Less than 2.0% of mass 174	537	0.52 (0.64) ^a	Pass
174	50.0 - 200.0% of mass 95	84304	82.0	Pass
175	5.0 - 9.0% of mass 174	6173	6.01 (7.32) ^a	Pass
176	95.0 - 105.0% of mass 174	82709	80.5 (98.1) ^a	Pass
177	5.0 - 10.0% of mass 176	5685	5.53 (6.87) ^b	Pass

(a) Value is % of mass 174

(b) Value is % of mass 176

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

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
VZ3084-IC3084	Z76603.D	08/28/24	08:29	00:53	Initial cal 1
VZ3084-IC3084	Z76604.D	08/28/24	08:51	01:15	Initial cal 2
VZ3084-IC3084	Z76605.D	08/28/24	09:24	01:48	Initial cal 3
VZ3084-IC3084	Z76606.D	08/28/24	09:47	02:11	Initial cal 4
VZ3084-ICC3084	Z76607.D	08/28/24	10:10	02:34	Initial cal 5
VZ3084-IC3084	Z76608.D	08/28/24	10:33	02:57	Initial cal 6
VZ3084-IC3084	Z76609.D	08/28/24	10:57	03:21	Initial cal 7
VZ3084-ICV3084	Z76611.D	08/28/24	11:43	04:07	Initial cal verification 5

Instrument Performance Check (BFB)

Job Number: FC18326
Account: AHTNACAS Ahtna Global, LLC
Project: Fort Ord Groundwater Monitoring

Sample: VZ3087-BFB	Injection Date: 08/30/24
Lab File ID: Z76668.D	Injection Time: 07:03
Instrument ID: GCMSZ	

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance	Pass/Fail
95	Base peak, 100% relative abundance	160021	100.0	Pass
96	5.0 - 9.0% of mass 95	10710	6.69	Pass
173	Less than 2.0% of mass 174	789	0.49 (0.61) ^a	Pass
174	50.0 - 200.0% of mass 95	129256	80.8	Pass
175	5.0 - 9.0% of mass 174	9198	5.75 (7.12) ^a	Pass
176	95.0 - 105.0% of mass 174	126083	78.8 (97.5) ^a	Pass
177	5.0 - 10.0% of mass 176	8202	5.13 (6.51) ^b	Pass

(a) Value is % of mass 174

(b) Value is % of mass 176

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

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
VZ3087-CC3084	Z76669.D	08/30/24	07:30	00:27	Continuing cal 5
VZ3087-BS	Z76670.D	08/30/24	08:06	01:03	Blank Spike
VZ3087-MB	Z76672.D	08/30/24	09:09	02:06	Method Blank
FC18326-1	Z76673.D	08/30/24	09:46	02:43	24340BWX210A
FC18326-9	Z76674.D	08/30/24	10:09	03:06	24340BWX193C
FC18326-2	Z76675.D	08/30/24	10:32	03:29	2434X0BW018F
FC18326-3	Z76676.D	08/30/24	10:55	03:52	2434X00B020F
FC18326-4	Z76677.D	08/30/24	11:18	04:15	2434X0BW156F
FC18326-5	Z76678.D	08/30/24	11:41	04:38	2434X0BW011F
FC18326-6	Z76679.D	08/30/24	12:03	05:00	2434X0BW025F
FC18326-7	Z76680.D	08/30/24	12:26	05:23	2434X0BW051F
FC18326-8	Z76681.D	08/30/24	12:49	05:46	2434X0BW055F
FC18326-10	Z76682.D	08/30/24	13:12	06:09	2434X0BW005F
FC18326-11	Z76683.D	08/30/24	13:35	06:32	2434X0BW007F
FC18326-12	Z76684.D	08/30/24	13:58	06:55	2434X0BW061D
FC18326-13	Z76685.D	08/30/24	14:21	07:18	2434X0BW024F
FC18326-14	Z76686.D	08/30/24	14:44	07:41	2434X0BW062D
FC18326-15	Z76687.D	08/30/24	15:07	08:04	2434X0BW009F
FC18326-16	Z76688.D	08/30/24	15:30	08:27	2434X0BW026F
FC18326-17	Z76689.D	08/30/24	15:52	08:49	2434X0BW054F
FC18326-18	Z76690.D	08/30/24	16:15	09:12	2434X0BW027F
FC18326-19	Z76691.D	08/30/24	16:38	09:35	2434X0BW028F
FC18326-20	Z76692.D	08/30/24	17:01	09:58	2434X0BW029F
FC18326-4MS	Z76693.D	08/30/24	17:24	10:21	Matrix Spike
FC18326-4MSD	Z76694.D	08/30/24	17:47	10:44	Matrix Spike Duplicate
VZ3087-ECC3084	Z76695.D	08/30/24	18:10	11:07	Ending cal 5

Instrument Performance Check (BFB)

Job Number: FC18326
Account: AHTNACAS Ahtna Global, LLC
Project: Fort Ord Groundwater Monitoring

Sample: VZ3088-BFB	Injection Date: 09/03/24
Lab File ID: Z76696.D	Injection Time: 07:02
Instrument ID: GCMSZ	

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance	Pass/Fail
95	Base peak, 100% relative abundance	162603	100.0	Pass
96	5.0 - 9.0% of mass 95	10903	6.71	Pass
173	Less than 2.0% of mass 174	747	0.46 (0.56) ^a	Pass
174	50.0 - 200.0% of mass 95	132331	81.4	Pass
175	5.0 - 9.0% of mass 174	9411	5.79 (7.11) ^a	Pass
176	95.0 - 105.0% of mass 174	129253	79.5 (97.7) ^a	Pass
177	5.0 - 10.0% of mass 176	8516	5.24 (6.59) ^b	Pass

(a) Value is % of mass 174

(b) Value is % of mass 176

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

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
VZ3088-CC3084	Z76697.D	09/03/24	07:30	00:28	Continuing cal 5
VZ3088-BS	Z76698.D	09/03/24	08:05	01:03	Blank Spike
VZ3088-MB	Z76700.D	09/03/24	09:10	02:08	Method Blank
ZZZZZZ	Z76701.D	09/03/24	09:49	02:47	(unrelated sample)
ZZZZZZ	Z76702.D	09/03/24	10:12	03:10	(unrelated sample)
ZZZZZZ	Z76703.D	09/03/24	10:35	03:33	(unrelated sample)
ZZZZZZ	Z76704.D	09/03/24	10:58	03:56	(unrelated sample)
ZZZZZZ	Z76705.D	09/03/24	11:21	04:19	(unrelated sample)
FC18325-4	Z76706.D	09/03/24	11:44	04:42	(used for QC only; not part of job FC18326)
ZZZZZZ	Z76707.D	09/03/24	12:06	05:04	(unrelated sample)
ZZZZZZ	Z76708.D	09/03/24	12:29	05:27	(unrelated sample)
ZZZZZZ	Z76709.D	09/03/24	12:52	05:50	(unrelated sample)
ZZZZZZ	Z76710.D	09/03/24	13:15	06:13	(unrelated sample)
ZZZZZZ	Z76711.D	09/03/24	13:38	06:36	(unrelated sample)
ZZZZZZ	Z76712.D	09/03/24	14:01	06:59	(unrelated sample)
ZZZZZZ	Z76713.D	09/03/24	14:23	07:21	(unrelated sample)
ZZZZZZ	Z76714.D	09/03/24	14:46	07:44	(unrelated sample)
ZZZZZZ	Z76715.D	09/03/24	15:09	08:07	(unrelated sample)
ZZZZZZ	Z76716.D	09/03/24	15:32	08:30	(unrelated sample)
ZZZZZZ	Z76717.D	09/03/24	15:55	08:53	(unrelated sample)
ZZZZZZ	Z76718.D	09/03/24	16:18	09:16	(unrelated sample)
FC18326-21	Z76719.D	09/03/24	16:41	09:39	2434X00B019F
FC18326-22	Z76720.D	09/03/24	17:03	10:01	2434X0BW063D
FC18325-4MS	Z76721.D	09/03/24	17:26	10:24	Matrix Spike
FC18325-4MSD	Z76722.D	09/03/24	17:49	10:47	Matrix Spike Duplicate
VZ3088-ECC3084	Z76723.D	09/03/24	18:12	11:10	Ending cal 5

Instrument Performance Check (BFB)

Job Number: FC18326
Account: AHTNACAS Ahtna Global, LLC
Project: Fort Ord Groundwater Monitoring

Sample: VZ3089-BFB	Injection Date: 09/04/24
Lab File ID: Z76724.D	Injection Time: 06:49
Instrument ID: GCMSZ	

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance	Pass/Fail
95	Base peak, 100% relative abundance	141205	100.0	Pass
96	5.0 - 9.0% of mass 95	9537	6.75	Pass
173	Less than 2.0% of mass 174	652	0.46 (0.59) ^a	Pass
174	50.0 - 200.0% of mass 95	111064	78.7	Pass
175	5.0 - 9.0% of mass 174	7903	5.60 (7.12) ^a	Pass
176	95.0 - 105.0% of mass 174	106971	75.8 (96.3) ^a	Pass
177	5.0 - 10.0% of mass 176	7010	4.96 (6.55) ^b	Pass

(a) Value is % of mass 174

(b) Value is % of mass 176

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

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
VZ3089-CC3084	Z76725.D	09/04/24	07:17	00:28	Continuing cal 5
VZ3089-BS	Z76726.D	09/04/24	07:53	01:04	Blank Spike
VZ3089-MB	Z76728.D	09/04/24	08:54	02:05	Method Blank
FC18326-38	Z76729.D	09/04/24	09:29	02:40	2434Y0BW198C
ZZZZZZ	Z76730.D	09/04/24	09:51	03:02	(unrelated sample)
ZZZZZZ	Z76731.D	09/04/24	10:14	03:25	(unrelated sample)
ZZZZZZ	Z76732.D	09/04/24	10:37	03:48	(unrelated sample)
FC18326-36	Z76733.D	09/04/24	11:00	04:11	2434X0BW039F
FC18326-37	Z76734.D	09/04/24	11:23	04:34	2434X0BW182F
FC18326-39	Z76735.D	09/04/24	11:46	04:57	2434X0BW022F
FC18326-40	Z76736.D	09/04/24	12:08	05:19	2434X0BW057F
FC18326-41	Z76737.D	09/04/24	12:31	05:42	2434X0BW058F
FC18326-42	Z76738.D	09/04/24	12:54	06:05	2434X0BW059F
FC18326-36MS	Z76739.D	09/04/24	13:17	06:28	Matrix Spike
FC18326-36MSD	Z76740.D	09/04/24	13:40	06:51	Matrix Spike Duplicate
VZ3089-ECC3084	Z76741.D	09/04/24	14:03	07:14	Ending cal 5

Internal Standard Area Summary

Job Number: FC18326
Account: AHTNACAS Ahtna Global, LLC
Project: Fort Ord Groundwater Monitoring

Check Std: VN6714-CC6705	Injection Date: 09/04/24
Lab File ID: N0132422.D	Injection Time: 07:06
Instrument ID: GCMSN	Method: SW846 8260D BY SIM

	IS 1 AREA	RT	IS 2 AREA	RT
Initial Cal ^a	57601	6.34	36791	9.51
Check Std ^b	65437	6.34	45043	9.51
Upper Limit ^c	130874	6.51	90086	9.68
Lower Limit ^d	32719	6.17	22522	9.34

Lab Sample ID	IS 1 AREA	RT	IS 2 AREA	RT
VN6714-BS	64115	6.34	46464	9.51
VN6714-MB	52118	6.34	34350	9.52
FC18326-25	50192	6.34	33060	9.52
FC18326-32	48513	6.34	32458	9.52
FC18326-23	49653	6.34	33469	9.52
FC18326-24	48707	6.34	33012	9.52
FC18326-26	48642	6.34	32501	9.52
FC18326-27	49245	6.34	32840	9.52
FC18326-28	48589	6.34	32625	9.52
FC18326-29	47745	6.34	32071	9.52
FC18326-30	47917	6.34	32052	9.52
FC18326-31	47936	6.34	32052	9.52
FC18326-33	47156	6.34	31627	9.52
FC18326-34	47800	6.34	32306	9.52
FC18326-35	46607	6.34	31328	9.52
ZZZZZZ	46519	6.34	31115	9.52
ZZZZZZ	46901	6.34	31565	9.52
FC18326-23MS	53068	6.34	40467	9.52
FC18326-23MSD	56266	6.34	42526	9.52
VN6714-ECC6705	62226	6.34	43214	9.51

IS 1 = Fluorobenzene
IS 2 = Chlorobenzene-D5

- (a) Initial Cal is: VN6705-ICC6705 N0132202.D 08/20/24 11:04
- (b) Check Std Limit = -50 to + 100% of initial cal area.
- (c) Upper Limit = + 100% of check standard area; Retention time + 0.167 minutes.
- (d) Lower Limit = -50% of check standard area; Retention time -0.167 minutes.

6.5.1
6

Internal Standard Area Summary

Job Number: FC18326
Account: AHTNACAS Ahtna Global, LLC
Project: Fort Ord Groundwater Monitoring

Check Std: VZ3087-CC3084	Injection Date: 08/30/24
Lab File ID: Z76669.D	Injection Time: 07:30
Instrument ID: GCMSZ	Method: SW846 8260D BY SIM

	IS 1 AREA	RT	IS 2 AREA	RT
Initial Cal ^a	18387	7.89	18425	10.98
Check Std ^b	20320	7.89	21961	10.98
Upper Limit ^c	40640	8.06	43922	11.15
Lower Limit ^d	10160	7.72	10981	10.81

Lab Sample ID	IS 1 AREA	RT	IS 2 AREA	RT
VZ3087-BS	19440	7.89	21997	10.97
VZ3087-MB	21146	7.89	24546	10.98
FC18326-1	21372	7.89	24533	10.97
FC18326-9	20409	7.89	23698	10.98
FC18326-2	20223	7.89	23438	10.98
FC18326-3	21258	7.89	24739	10.98
FC18326-4	20630	7.89	23908	10.98
FC18326-5	20681	7.89	23782	10.98
FC18326-6	20267	7.89	23432	10.98
FC18326-7	20359	7.89	23490	10.98
FC18326-8	20064	7.89	23461	10.98
FC18326-10	20694	7.89	23591	10.98
FC18326-11	20504	7.89	23385	10.98
FC18326-12	20378	7.89	23493	10.98
FC18326-13	20487	7.89	23281	10.98
FC18326-14	20205	7.89	23467	10.98
FC18326-15	20517	7.89	23536	10.98
FC18326-16	19803	7.89	22992	10.98
FC18326-17	20289	7.89	23360	10.98
FC18326-18	20044	7.89	23185	10.98
FC18326-19	19831	7.89	22955	10.98
FC18326-20	19812	7.89	22718	10.98
FC18326-4MS	19611	7.89	22316	10.98
FC18326-4MSD	20035	7.89	22734	10.98
VZ3087-ECC308421046		7.89	22632	10.98

IS 1 = Fluorobenzene
IS 2 = Chlorobenzene-D5

- (a) Initial Cal is: VZ3084-ICC3084 Z76607.D 08/28/24 10:10
- (b) Check Std Limit = -50 to + 100% of initial cal area.
- (c) Upper Limit = + 100% of check standard area; Retention time + 0.167 minutes.
- (d) Lower Limit = -50% of check standard area; Retention time -0.167 minutes.

Internal Standard Area Summary

Job Number: FC18326
Account: AHTNACAS Ahtna Global, LLC
Project: Fort Ord Groundwater Monitoring

Check Std:	VZ3088-CC3084	Injection Date:	09/03/24
Lab File ID:	Z76697.D	Injection Time:	07:30
Instrument ID:	GCMSZ	Method:	SW846 8260D BY SIM

	IS 1 AREA	RT	IS 2 AREA	RT
Initial Cal ^a	18387	7.89	18425	10.98
Check Std ^b	21728	7.89	24332	10.97
Upper Limit ^c	43456	8.06	48664	11.14
Lower Limit ^d	10864	7.72	12166	10.80

Lab Sample ID	IS 1 AREA	RT	IS 2 AREA	RT
VZ3088-BS	21761	7.89	24635	10.97
VZ3088-MB	21218	7.89	25316	10.98
ZZZZZZ	21008	7.89	24863	10.98
ZZZZZZ	20646	7.89	24763	10.98
ZZZZZZ	21024	7.89	25051	10.98
ZZZZZZ	20746	7.89	24610	10.98
ZZZZZZ	20703	7.89	24392	10.98
FC18325-4	20917	7.89	24730	10.98
ZZZZZZ	20677	7.89	24361	10.98
ZZZZZZ	20480	7.89	24030	10.98
ZZZZZZ	20104	7.89	23797	10.98
ZZZZZZ	20661	7.89	24434	10.98
ZZZZZZ	19934	7.89	23806	10.98
ZZZZZZ	20296	7.89	24190	10.98
ZZZZZZ	19890	7.89	23347	10.98
ZZZZZZ	19648	7.89	23160	10.98
ZZZZZZ	19905	7.89	23502	10.98
ZZZZZZ	19373	7.89	23288	10.98
ZZZZZZ	19207	7.89	22909	10.98
ZZZZZZ	19199	7.89	22813	10.98
FC18326-21	18499	7.89	22230	10.98
FC18326-22	18222	7.89	21811	10.98
FC18325-4MS	19083	7.89	22806	10.98
FC18325-4MSD	18814	7.89	22460	10.97
VZ3088-ECC3084	19293	7.89	21896	10.98

IS 1 = Fluorobenzene
IS 2 = Chlorobenzene-D5

- (a) Initial Cal is: VZ3084-ICC3084 Z76607.D 08/28/24 10:10
- (b) Check Std Limit = -50 to + 100% of initial cal area.
- (c) Upper Limit = + 100% of check standard area; Retention time + 0.167 minutes.
- (d) Lower Limit = -50% of check standard area; Retention time -0.167 minutes.

6.5.3
6

Internal Standard Area Summary

Job Number: FC18326
Account: AHTNACAS Ahtna Global, LLC
Project: Fort Ord Groundwater Monitoring

Check Std: VZ3089-CC3084	Injection Date: 09/04/24
Lab File ID: Z76725.D	Injection Time: 07:17
Instrument ID: GCMSZ	Method: SW846 8260D BY SIM

	IS 1 AREA	RT	IS 2 AREA	RT
Initial Cal ^a	18387	7.89	18425	10.98
Check Std ^b	18987	7.89	21828	10.97
Upper Limit ^c	37974	8.06	43656	11.14
Lower Limit ^d	9494	7.72	10914	10.80

Lab Sample ID	IS 1 AREA	RT	IS 2 AREA	RT
VZ3089-BS	18930	7.89	22704	10.97
VZ3089-MB	19770	7.89	23821	10.98
FC18326-38	19041	7.89	22883	10.97
ZZZZZZ	18920	7.89	22670	10.98
ZZZZZZ	19169	7.89	23015	10.97
ZZZZZZ	19265	7.89	23206	10.98
FC18326-36	19105	7.89	22851	10.98
FC18326-37	18991	7.89	22917	10.98
FC18326-39	18706	7.89	22357	10.98
FC18326-40	18972	7.89	22622	10.98
FC18326-41	18598	7.89	22166	10.98
FC18326-42	18943	7.89	22518	10.98
FC18326-36MS	18462	7.89	21872	10.97
FC18326-36MSD	18661	7.89	22209	10.97
VZ3089-ECC3084	19358	7.89	21860	10.97

IS 1 = Fluorobenzene
IS 2 = Chlorobenzene-D5

- (a) Initial Cal is: VZ3084-ICC3084 Z76607.D 08/28/24 10:10
- (b) Check Std Limit = -50 to + 100% of initial cal area.
- (c) Upper Limit = + 100% of check standard area; Retention time + 0.167 minutes.
- (d) Lower Limit = -50% of check standard area; Retention time -0.167 minutes.

Surrogate Recovery Summary

Job Number: FC18326
Account: AHTNACAS Ahtna Global, LLC
Project: Fort Ord Groundwater Monitoring

Method: SW846 8260D BY SIM	Matrix: AQ
-----------------------------------	-------------------

Samples and QC shown here apply to the above method

Lab Sample ID	Lab File ID	S1	S2
FC18326-1	Z76673.D	105	95
FC18326-2	Z76675.D	108	96
FC18326-3	Z76676.D	109	95
FC18326-4	Z76677.D	106	96
FC18326-5	Z76678.D	107	96
FC18326-6	Z76679.D	109	96
FC18326-7	Z76680.D	110	96
FC18326-8	Z76681.D	113	95
FC18326-9	Z76674.D	108	95
FC18326-10	Z76682.D	109	96
FC18326-11	Z76683.D	108	96
FC18326-12	Z76684.D	110	96
FC18326-13	Z76685.D	109	96
FC18326-14	Z76686.D	113	96
FC18326-15	Z76687.D	112	96
FC18326-16	Z76688.D	114	95
FC18326-17	Z76689.D	112	96
FC18326-18	Z76690.D	114	96
FC18326-19	Z76691.D	113	96
FC18326-20	Z76692.D	112	96
FC18326-21	Z76719.D	116	94
FC18326-22	Z76720.D	118	94
FC18326-23	N0132428.D	108	103
FC18326-24	N0132429.D	109	103
FC18326-25	N0132426.D	107	104
FC18326-26	N0132430.D	108	103
FC18326-27	N0132431.D	109	104
FC18326-28	N0132432.D	109	104
FC18326-29	N0132433.D	110	104
FC18326-30	N0132434.D	109	103
FC18326-31	N0132435.D	110	103
FC18326-32	N0132427.D	107	104
FC18326-33	N0132436.D	111	104
FC18326-34	N0132437.D	111	103
FC18326-35	N0132438.D	111	103
FC18326-36	Z76733.D	116	94
FC18326-37	Z76734.D	118	93
FC18326-38	Z76729.D	111	93
FC18326-39	Z76735.D	116	94
FC18326-40	Z76736.D	116	94

Surrogate Recovery Summary

Job Number: FC18326
Account: AHTNACAS Ahtna Global, LLC
Project: Fort Ord Groundwater Monitoring

Method: SW846 8260D BY SIM	Matrix: AQ
-----------------------------------	-------------------

Samples and QC shown here apply to the above method

Lab Sample ID	Lab File ID	S1	S2
FC18326-41	Z76737.D	116	95
FC18326-42	Z76738.D	115	94
FC18325-4MS	Z76721.D	121	93
FC18325-4MSD	Z76722.D	119	93
FC18326-23MS	N0132441.D	104	90
FC18326-23MSD	N0132442.D	103	91
FC18326-36MS	Z76739.D	118	93
FC18326-36MSD	Z76740.D	117	93
FC18326-4MS	Z76693.D	113	95
FC18326-4MSD	Z76694.D	114	95
VN6714-BS	N0132423.D	99	94
VN6714-MB	N0132425.D	106	104
VZ3087-BS	Z76670.D	103	95
VZ3087-MB	Z76672.D	108	95
VZ3088-BS	Z76698.D	103	93
VZ3088-MB	Z76700.D	108	93
VZ3089-BS	Z76726.D	113	93
VZ3089-MB	Z76728.D	113	93

Surrogate Compounds	Recovery Limits
S1 = 1,2-Dichloroethane-D4	74-125%
S2 = Toluene-D8	88-111%

Initial Calibration Summary

Job Number: FC18326
Account: AHTNACAS Ahtna Global, LLC
Project: Fort Ord Groundwater Monitoring

Sample: VN6705-ICC6705
Lab FileID: N0132202.D

Response Factor Report MSVOA6-N

Method : C:\msdchem\1\met..._VN6705_082024.M (RTE Integrator)
 Title : Standard Methods 6200B
 Last Update : Tue Aug 20 14:01:28 2024
 Response via : Initial Calibration

Calibration Files

1 =N0132207.D 2 =N0132208.D 3 =N0132200.D 4 =N0132201.D
 5 =N0132202.D 6 =N0132203.D 7 =N0132204.D

Compound	1	2	3	4	5	6	7	Avg	%RSD
1) I Fluorobenzene	-----ISTD-----								
2) Vinyl Chloride	0.524	0.203	0.123	0.115	0.109	0.111	0.105	0.184	83.41
	---- Linear regr., Force(0,0) ---- Coefficient = 0.9993								
	Response Ratio = 0.00000 + 0.11062 *A								
3) Chloromethane	0.373	0.193	0.164	0.149	0.144	0.136	0.193	46.88	
	---- Linear regr., Force(0,0) ---- Coefficient = 0.9990								
	Response Ratio = 0.00000 + 0.14771 *A								
4) 1,1-Dichloroethen	0.184	0.146	0.144	0.137	0.136	0.135	0.147	12.46	
5) Methylene Chlorid		0.280	0.215	0.185	0.172	0.165	0.204	23.15	
	---- Quadratic regr., Force(0,0) ---- Coefficient = 0.9927								
	Response Ratio = 0.00000 + 0.23670 *A + -0.01952 *A^2								
6) trans-1,2-Dichlor	0.152	0.118	0.119	0.116	0.116	0.116	0.123	11.71	
7) 1,1-Dichloroethan	0.199	0.168	0.165	0.156	0.152	0.149	0.165	11.13	
8) cis-1,2-Dichloroe	0.092	0.069	0.069	0.066	0.067	0.068	0.072	13.85	
9) Chloroform	0.311	0.197	0.172	0.154	0.149	0.145	0.188	33.73	
	---- Quadratic regr., Force(0,0) ---- Coefficient = 0.9968								
	Response Ratio = 0.00000 + 0.18931 *A + -0.01236 *A^2								
10) Carbon Tetrachlor	0.093	0.071	0.074	0.070	0.070	0.071	0.075	12.09	
11) 1,1,1-Trichloroet	0.133	0.104	0.104	0.099	0.100	0.099	0.106	12.29	
12) Benzene	0.338	0.258	0.259	0.249	0.249	0.250	0.267	13.14	
13)S 1,2-Dichloroethan	0.436	0.438	0.464	0.438	0.419	0.414	0.401	4.75	
14) 1,2-Dichloroethan	0.143	0.130	0.129	0.122	0.118	0.115	0.126	8.10	
15) Trichloroethene	0.097	0.070	0.071	0.070	0.071	0.071	0.075	13.97	
16) 1,2-Dichloropropa	0.104	0.083	0.083	0.080	0.078	0.078	0.084	11.71	
17) cis-1,3-Dichlorop	0.069	0.056	0.064	0.067	0.071	0.074	0.067	9.18	
18) I Chlorobenzene-d5	-----ISTD-----								
19)S Toluene-d8	1.165	1.153	1.086	1.012	1.108	1.106	1.095	1.104	4.51
20) trans-1,3-Dichlor	0.068	0.070	0.087	0.105	0.111	0.116	0.093	22.28	
	---- Quadratic regr., Force(0,0) ---- Coefficient = 0.9983								
	Response Ratio = 0.00000 + 0.07956 *A + 0.00965 *A^2								
21) Tetrachloroethene	0.141	0.110	0.106	0.109	0.106	0.104	0.113	12.56	
22) 1,4-Dichlorobenze	0.326	0.233	0.231	0.254	0.248	0.241	0.256	13.89	
23) 1,2-Dibromo-3-Chl	0.039	0.022	0.018	0.021	0.021	0.021	0.024	31.24	
	---- Linear regr., Force(0,0) ---- Coefficient = 0.9956								
	Response Ratio = 0.00000 + 0.02093 *A								

(#) = Out of Range

Initial Calibration Verification

Job Number: FC18326
 Account: AHTNACAS Ahtna Global, LLC
 Project: Fort Ord Groundwater Monitoring

Sample: VN6705-ICV6705
 Lab FileID: N0132209.D

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\data\08-20-24\N0132209.D Vial: 13
 Acq On : 20 Aug 2024 1:52 pm Operator: jeniferw
 Sample : ICV6705-5 Inst : MSVOA6-N
 Misc : MS57318,VN6705,,,,, Multiplr: 1.00
 MS Integration Params: rteint.p

Method : C:\msdchem\1\met..._VN6705_082024.M (RTE Integrator)
 Title : Standard Methods 6200B
 Last Update : Tue Aug 20 14:01:28 2024
 Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1 I	Fluorobenzene	1.000	1.000	0.0	106	0.00	6.34
	----- Amount	Calc.	%Drift	-----			
2	Vinyl Chloride	10.000	8.338	16.6	89	0.00	2.06
3	Chloromethane	10.000	8.095	19.0	85	0.00	1.98
	----- AvgRF	CCRF	%Dev	-----			
4	1,1-Dichloroethene	0.147	0.153	-4.1	117	0.00	3.15
	----- Amount	Calc.	%Drift	-----			
5	Methylene Chloride	10.000	10.751	-7.5	120	0.00	3.71
	----- AvgRF	CCRF	%Dev	-----			
6	trans-1,2-Dichloroethene	0.123	0.132	-7.3	121	0.00	3.88
7	1,1-Dichloroethane	0.165	0.173	-4.8	118	0.00	4.49
8	cis-1,2-Dichloroethene	0.072	0.076	-5.6	120	0.00	5.04
	----- Amount	Calc.	%Drift	-----			
9	Chloroform	10.000	10.626	-6.3	119	0.00	5.30
	----- AvgRF	CCRF	%Dev	-----			
10	Carbon Tetrachloride	0.075	0.080	-6.7	121	0.00	5.47
11	1,1,1-Trichloroethane	0.106	0.116	-9.4	124	0.00	5.53
12	Benzene	0.267	0.286	-7.1	121	0.00	5.91
13 S	1,2-Dichloroethane-d4	0.430	0.408	5.1	103	0.00	6.04
14	1,2-Dichloroethane	0.126	0.139	-10.3	120	0.00	6.12
15	Trichloroethene	0.075	0.082	-9.3	124	0.00	6.53
16	1,2-Dichloropropane	0.084	0.091	-8.3	121	0.00	7.05
17	cis-1,3-Dichloropropene	0.067	0.076	-13.4	120	0.00	7.77
18 I	Chlorobenzene-d5	1.000	1.000	0.0	105	0.00	9.52
19 S	Toluene-d8	1.104	1.144	-3.6	108	0.00	7.95
	----- Amount	Calc.	%Drift	-----			
20	trans-1,3-Dichloropropene	10.000	10.987	-9.9	110	0.00	8.42
	----- AvgRF	CCRF	%Dev	-----			
21	Tetrachloroethene	0.113	0.131	-15.9	126	0.00	8.41
22	1,4-Dichlorobenzene	0.256	0.290	-13.3	119	0.00	11.91
	----- Amount	Calc.	%Drift	-----			
23	1,2-Dibromo-3-Chloropropa	10.000	10.883	-8.8	111	0.00	13.18

Initial Calibration Verification

Job Number: FC18326
Account: AHTNACAS Ahtna Global, LLC
Project: Fort Ord Groundwater Monitoring

Sample: VN6705-ICV6705
Lab FileID: N0132209.D

(#) = Out of Range SPCC's out = 0 CCC's out = 0
N0132202.D SIMCL_VN6705_082024.M Tue Aug 20 14:16:10 2024

6.7.2
6

Continuing Calibration Summary

Job Number: FC18326
 Account: AHTNACAS Ahtna Global, LLC
 Project: Fort Ord Groundwater Monitoring

Sample: VN6714-CC6705
 Lab FileID: N0132422.D

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\data\09-04-24\N0132422.D Vial: 2
 Acq On : 4 Sep 2024 7:06 am Operator: jeniferw
 Sample : CC6705-5 Inst : MSVOA6-N
 Misc : MS57404,VN6714,,,,, Multiplr: 1.00
 MS Integration Params: rteint.p

Method : C:\msdchem\1\met..._VN6705_082024.M (RTE Integrator)
 Title : Standard Methods 6200B
 Last Update : Tue Aug 20 14:01:28 2024
 Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1 I	Fluorobenzene	1.000	1.000	0.0	114	0.00	6.34
	----- Amount	Calc.	%Drift	-----			
2	Vinyl Chloride	10.000	12.180	-21.8#	140	0.00	2.06
3	Chloromethane	10.000	10.798	-8.0	121	0.00	1.98
	----- AvgRF	CCRF	%Dev	-----			
4	1,1-Dichloroethene	0.147	0.143	2.7	119	0.00	3.15
	----- Amount	Calc.	%Drift	-----			
5	Methylene Chloride	10.000	15.797	-58.0#	170	0.00	3.71
	----- AvgRF	CCRF	%Dev	-----			
6	trans-1,2-Dichloroethene	0.123	0.127	-3.3	125	0.00	3.88
7	1,1-Dichloroethane	0.165	0.171	-3.6	125	0.00	4.49
8	cis-1,2-Dichloroethene	0.072	0.078	-8.3	133	0.00	5.04
	----- Amount	Calc.	%Drift	-----			
9	Chloroform	10.000	10.235	-2.3	124	0.00	5.30
	----- AvgRF	CCRF	%Dev	-----			
10	Carbon Tetrachloride	0.075	0.060	20.0	98	0.00	5.47
11	1,1,1-Trichloroethane	0.106	0.101	4.7	115	0.00	5.53
12	Benzene	0.267	0.277	-3.7	126	0.00	5.91
13 S	1,2-Dichloroethane-d4	0.430	0.423	1.6	115	0.00	6.04
14	1,2-Dichloroethane	0.126	0.130	-3.2	121	0.00	6.12
15	Trichloroethene	0.075	0.077	-2.7	124	0.00	6.53
16	1,2-Dichloropropane	0.084	0.086	-2.4	123	0.00	7.05
17	cis-1,3-Dichloropropene	0.067	0.074	-10.4	125	0.00	7.76
18 I	Chlorobenzene-d5	1.000	1.000	0.0	122	0.00	9.51
19 S	Toluene-d8	1.104	1.105	-0.1	122	0.00	7.95
	----- Amount	Calc.	%Drift	-----			
20	trans-1,3-Dichloropropene	10.000	10.515	-5.2	122	0.00	8.42
	----- AvgRF	CCRF	%Dev	-----			
21	Tetrachloroethene	0.113	0.114	-0.9	127	0.00	8.41
22	1,4-Dichlorobenzene	0.256	0.243	5.1	117	0.00	11.91
	----- Amount	Calc.	%Drift	-----			
23	1,2-Dibromo-3-Chloropropa	10.000	5.372	46.3#	64	0.00	13.18

Continuing Calibration Summary

Job Number: FC18326
Account: AHTNACAS Ahtna Global, LLC
Project: Fort Ord Groundwater Monitoring

Sample: VN6714-CC6705
Lab FileID: N0132422.D

(#) = Out of Range SPCC's out = 0 CCC's out = 0
N0132202.D SIMCL_VN6705_082024.M Wed Sep 04 07:53:10 2024

Continuing Calibration Summary

Job Number: FC18326
 Account: AHTNACAS Ahtna Global, LLC
 Project: Fort Ord Groundwater Monitoring

Sample: VN6714-ECC6705
 Lab FileID: N0132443.D

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\data\09-04-24\N0132443.D Vial: 23
 Acq On : 4 Sep 2024 3:29 pm Operator: jeniferw
 Sample : ECC6705-5 Inst : MSVOA6-N
 Misc : MS57416,VN6714,,,,, Multiplr: 1.00
 MS Integration Params: rteint.p

Method : C:\msdchem\1\met..._VN6705_082024.M (RTE Integrator)
 Title : Standard Methods 6200B
 Last Update : Tue Aug 20 14:01:28 2024
 Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 50% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1 I	Fluorobenzene	1.000	1.000	0.0	108	0.00	6.34
	----- Amount	Calc.	%Drift	-----			
2	Vinyl Chloride	10.000	11.853	-18.5	130	0.00	2.07
3	Chloromethane	10.000	11.747	-17.5	125	0.00	1.98
	----- AvgRF	CCRF	%Dev	-----			
4	1,1-Dichloroethene	0.147	0.145	1.4	114	0.00	3.15
	----- Amount	Calc.	%Drift	-----			
5	Methylene Chloride	10.000	17.107	-71.1#	170	0.00	3.72
	----- AvgRF	CCRF	%Dev	-----			
6	trans-1,2-Dichloroethene	0.123	0.127	-3.3	118	0.00	3.89
7	1,1-Dichloroethane	0.165	0.175	-6.1	121	0.00	4.49
8	cis-1,2-Dichloroethene	0.072	0.077	-6.9	126	0.00	5.04
	----- Amount	Calc.	%Drift	-----			
9	Chloroform	10.000	10.730	-7.3	122	0.00	5.30
	----- AvgRF	CCRF	%Dev	-----			
10	Carbon Tetrachloride	0.075	0.063	16.0	97	0.00	5.47
11	1,1,1-Trichloroethane	0.106	0.103	2.8	111	0.00	5.53
12	Benzene	0.267	0.283	-6.0	122	0.00	5.91
13 S	1,2-Dichloroethane-d4	0.430	0.435	-1.2	112	0.00	6.04
14	1,2-Dichloroethane	0.126	0.135	-7.1	119	0.00	6.12
15	Trichloroethene	0.075	0.078	-4.0	120	0.00	6.53
16	1,2-Dichloropropane	0.084	0.087	-3.6	118	0.00	7.05
17	cis-1,3-Dichloropropene	0.067	0.071	-6.0	115	0.00	7.77
18 I	Chlorobenzene-d5	1.000	1.000	0.0	117	0.00	9.51
19 S	Toluene-d8	1.104	1.086	1.6	115	0.00	7.95
	----- Amount	Calc.	%Drift	-----			
20	trans-1,3-Dichloropropene	10.000	10.280	-2.8	114	0.00	8.42
	----- AvgRF	CCRF	%Dev	-----			
21	Tetrachloroethene	0.113	0.113	0.0	122	0.00	8.41
22	1,4-Dichlorobenzene	0.256	0.243	5.1	112	0.00	11.91
	----- Amount	Calc.	%Drift	-----			
23	1,2-Dibromo-3-Chloropropa	10.000	4.665	53.3#	53	0.00	13.18

Continuing Calibration Summary

Job Number: FC18326
Account: AHTNACAS Ahtna Global, LLC
Project: Fort Ord Groundwater Monitoring

Sample: VN6714-ECC6705
Lab FileID: N0132443.D

(#) = Out of Range SPCC's out = 0 CCC's out = 0
N0132202.D SIMCL_VN6705_082024.M Thu Sep 05 06:36:53 2024

Initial Calibration Summary

Job Number: FC18326
Account: AHTNACAS Ahtna Global, LLC
Project: Fort Ord Groundwater Monitoring

Sample: VZ3084-ICC3084
Lab FileID: Z76607.D

Response Factor Report MSVOA15-Z

Method : C:\msdchem\1\met...MCL-08-28-2024.M (RTE Integrator)
 Title : Standard Methods 6200B
 Last Update : Wed Aug 28 11:30:23 2024
 Response via : Initial Calibration

Calibration Files

1 =Z76603.D 2 =Z76604.D 3 =Z76605.D 4 =Z76606.D
 5 =Z76607.D 6 =Z76608.D 7 =Z76609.D

Compound	1	2	3	4	5	6	7	Avg	%RSD

1) I Fluorobenzene	-----ISTD-----								
2) Vinyl Chloride	3.087	1.012	0.556	0.503	0.479	0.452	0.435	0.932	104.18
	---- Quadratic regr., Force(0,0) ---- Coefficient = 0.9993								
	Response Ratio = 0.00000 + 0.52615 *A + -0.02329 *A^2								
3) Chloromethane	2.523	0.959	0.605	0.563	0.550	0.521	0.500	0.889	83.00
	---- Quadratic regr., Force(0,0) ---- Coefficient = 0.9996								
	Response Ratio = 0.00000 + 0.59622 *A + -0.02423 *A^2								
4) 1,1-Dichloroethen	0.877	0.664	0.596	0.575	0.527	0.520	0.480	0.605	22.10
	---- Quadratic regr., Force(0,0) ---- Coefficient = 0.9995								
	Response Ratio = 0.00000 + 0.59770 *A + -0.02887 *A^2								
5) Methylene Chlorid	8.589	2.190	1.016	0.727	0.601	0.557	0.499	2.026	145.79
	---- Quadratic regr., Force(0,0) ---- Coefficient = 0.9956								
	Response Ratio = 0.00000 + 0.77053 *A + -0.06924 *A^2								
6) trans-1,2-Dichlor	0.751	0.607	0.568	0.547	0.508	0.507	0.469	0.565	16.55
	---- Quadratic regr., Force(0,0) ---- Coefficient = 0.9994								
	Response Ratio = 0.00000 + 0.56981 *A + -0.02450 *A^2								
7) 1,1-Dichloroethan	0.926	0.787	0.739	0.727	0.669	0.668	0.620	0.734	13.79
	---- Linear regr., Force(0,0) ---- Coefficient = 0.9968								
	Response Ratio = 0.00000 + 0.64509 *A								
8) cis-1,2-Dichloroe	0.659	0.467	0.453	0.442	0.411	0.412	0.382	0.461	19.94
	---- Quadratic regression ---- Coefficient = 0.9994								
	Response Ratio = 0.00106 + 0.45841 *A + -0.01862 *A^2								
9) Chloroform	1.108	0.825	1.049	0.868	0.757	0.739	0.679	0.861	18.78
	---- Quadratic regr., Force(0,0) ---- Coefficient = 0.9987								
	Response Ratio = 0.00000 + 0.89510 *A + -0.05419 *A^2								
10) Carbon Tetrachlor	0.917	0.701	0.694	0.622	0.554	0.546	0.503	0.648	21.66
	---- Quadratic regr., Force(0,0) ---- Coefficient = 0.9992								
	Response Ratio = 0.00000 + 0.66516 *A + -0.04150 *A^2								
11) 1,1,1-Trichloroet	1.142	0.759	0.771	0.707	0.620	0.626	0.579	0.743	25.57
	---- Quadratic regr., Force(0,0) ---- Coefficient = 0.9989								
	Response Ratio = 0.00000 + 0.71523 *A + -0.03354 *A^2								
12) Benzene	1.880	1.455	1.405	1.398	1.334	1.377	1.298	1.449	13.57
13)S 1,2-Dichloroethan	0.301	0.312	0.326	0.310	0.295	0.291	0.286	0.303	4.61
14) 1,2-Dichloroethan	0.711	0.552	0.544	0.540	0.497	0.498	0.462	0.543	14.82
	---- Quadratic regr., Force(0,0) ---- Coefficient = 0.9994								
	Response Ratio = 0.00000 + 0.55725 *A + -0.02314 *A^2								

6.7.5
6

Initial Calibration Summary

Job Number: FC18326
Account: AHTNACAS Ahtna Global, LLC
Project: Fort Ord Groundwater Monitoring

Sample: VZ3084-ICC3084
Lab FileID: Z76607.D

- 15) Trichloroethene 0.554 0.401 0.391 0.387 0.373 0.386 0.362 0.408 16.13
---- Quadratic regr., Force(0,0) ---- Coefficient = 0.9990
Response Ratio = 0.00000 + 0.40128 *A + -0.00897 *A^2

- 16) 1,2-Dichloropropa 0.511 0.390 0.383 0.391 0.371 0.381 0.355 0.397 12.96
- 17) cis-1,3-Dichlorop 0.837 0.597 0.596 0.606 0.584 0.605 0.566 0.627 14.91
---- Quadratic regr., Force(0,0) ---- Coefficient = 0.9990
Response Ratio = 0.00000 + 0.62772 *A + -0.01386 *A^2

- 18) I Chlorobenzene-d5 -----ISTD-----
- 19)S Toluene-d8 1.128 1.121 1.112 1.104 1.113 1.112 1.116 1.115 0.68
- 20) trans-1,3-Dichlor 0.802 0.511 0.514 0.521 0.525 0.563 0.536 0.567 18.51
---- Quadratic regr., Force(0,0) ---- Coefficient = 0.9986
Response Ratio = 0.00000 + 0.53685 *A + 0.00156 *A^2

- 21) Tetrachloroethene 0.673 0.431 0.384 0.373 0.362 0.375 0.356 0.422 26.88
---- Quadratic regr., Force(0,0) ---- Coefficient = 0.9992
Response Ratio = 0.00000 + 0.38455 *A + -0.00653 *A^2

- 22) 1,4-Dichlorobenze 1.466 0.855 0.839 0.874 0.856 0.886 0.827 0.943 24.54
---- Linear regr., Force(0,0) ---- Coefficient = 0.9981
Response Ratio = 0.00000 + 0.85017 *A

- 23) 1,2-Dibromo-3-Chl 0.276 0.129 0.115 0.118 0.109 0.111 0.104 0.137 44.85
---- Quadratic regr., Force(0,0) ---- Coefficient = 0.9993
Response Ratio = 0.00000 + 0.11991 *A + -0.00370 *A^2

(#) = Out of Range

SIMCL-08-28-2024.M

Wed Aug 28 12:39:52 2024

6.7.5
6

Initial Calibration Verification

Job Number: FC18326
Account: AHTNACAS Ahtna Global, LLC
Project: Fort Ord Groundwater Monitoring

Sample: VZ3084-ICV3084
Lab FileID: Z76611.D

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\data\082824\Z76611.D Vial: 11
 Acq On : 28 Aug 2024 11:43 am Operator: claudias
 Sample : icv3084-5 Inst : MSVOA15-Z
 Misc : MS57344,VZ3084,,,,, Multiplr: 1.00
 MS Integration Params: micro.p

Method : C:\msdchem\1\met...MCL-08-28-2024.M (RTE Integrator)
 Title : Standard Methods 6200B
 Last Update : Wed Aug 28 11:30:23 2024
 Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 200%

Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1 I Fluorobenzene	1.000	1.000	0.0	104	0.00	7.89
----- Amount Calc. %Drift -----						
2 Vinyl Chloride	10.000	8.263	17.4	88	0.00	3.19
3 Chloromethane	10.000	8.151	18.5	86	0.00	3.13
4 1,1-Dichloroethene	10.000	10.149	-1.5	109	0.00	4.57
5 Methylene Chloride	10.000	10.019	-0.2	110	0.00	5.21
6 trans-1,2-Dichloroethene	10.000	10.428	-4.3	111	0.00	5.39
7 1,1-Dichloroethane	10.000	10.758	-7.6	108	0.00	6.06
8 cis-1,2-Dichloroethene	10.000	10.302	-3.0	110	0.00	6.62
9 Chloroform	10.000	9.932	0.7	108	0.00	6.88
10 Carbon Tetrachloride	10.000	9.924	0.8	109	0.00	7.05
11 1,1,1-Trichloroethane	10.000	10.210	-2.1	111	0.00	7.13
----- AvgRF CCRF %Dev -----						
12 Benzene	1.449	1.430	1.3	112	0.00	7.49
13 S 1,2-Dichloroethane-d4	0.303	0.292	3.6	103	0.00	7.63
----- Amount Calc. %Drift -----						
14 1,2-Dichloroethane	10.000	10.396	-4.0	111	0.00	7.70
15 Trichloroethene	10.000	10.628	-6.3	114	0.00	8.06
----- AvgRF CCRF %Dev -----						
16 1,2-Dichloropropane	0.397	0.400	-0.8	113	0.00	8.59
----- Amount Calc. %Drift -----						
17 cis-1,3-Dichloropropene	10.000	10.097	-1.0	108	0.00	9.24
----- AvgRF CCRF %Dev -----						
18 I Chlorobenzene-d5	1.000	1.000	0.0	104	0.00	10.98
19 S Toluene-d8	1.115	1.111	0.4	103	0.00	9.43
----- Amount Calc. %Drift -----						
20 trans-1,3-Dichloropropene	10.000	9.423	5.8	101	0.00	9.87
21 Tetrachloroethene	10.000	10.507	-5.1	112	0.00	9.87
22 1,4-Dichlorobenzene	10.000	10.637	-6.4	110	0.00	13.35
23 1,2-Dibromo-3-Chloropropa	10.000	10.154	-1.5	108	0.00	14.52

(#) = Out of Range

SPCC's out = 0 CCC's out = 0



Initial Calibration Verification

Job Number: FC18326
Account: AHTNACAS Ahtna Global, LLC
Project: Fort Ord Groundwater Monitoring

Sample: VZ3084-ICV3084
Lab FileID: Z76611.D

Z76607.D SIMCL-08-28-2024.M

Wed Aug 28 12:39:18 2024

Continuing Calibration Summary

Job Number: FC18326
Account: AHTNACAS Ahtna Global, LLC
Project: Fort Ord Groundwater Monitoring

Sample: VZ3087-CC3084
Lab FileID: Z76669.D

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\data\083024\Z76669.D
 Acq On : 30 Aug 2024 7:30 am
 Sample : cc3084-5
 Misc : MS57380,VZ3087,,,,,
 MS Integration Params: micro.p
 Vial: 2
 Operator: claudias
 Inst : MSVOA15-Z
 Multiplr: 1.00

Method : C:\msdchem\1\met...MCL-08-28-2024.M (RTE Integrator)
 Title : Standard Methods 6200B
 Last Update : Wed Aug 28 11:30:23 2024
 Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 200%

Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1 I Fluorobenzene	1.000	1.000	0.0	111	0.00	7.89
----- Amount Calc. %Drift -----						
2 Vinyl Chloride	10.000	11.654	-16.5	127	0.00	3.18
3 Chloromethane	10.000	12.112	-21.1#	131	-0.02	3.12
4 1,1-Dichloroethene	10.000	11.528	-15.3	128	0.00	4.56
5 Methylene Chloride	10.000	10.822	-8.2	123	0.00	5.21
6 trans-1,2-Dichloroethene	10.000	11.420	-14.2	128	0.00	5.38
7 1,1-Dichloroethane	10.000	11.769	-17.7	125	0.00	6.05
8 cis-1,2-Dichloroethene	10.000	10.874	-8.7	122	0.00	6.62
9 Chloroform	10.000	10.246	-2.5	117	0.00	6.88
10 Carbon Tetrachloride	10.000	10.001	-0.0	116	0.00	7.05
11 1,1,1-Trichloroethane	10.000	10.707	-7.1	123	0.00	7.12
----- AvgRF CCRF %Dev -----						
12 Benzene	1.449	1.449	0.0	120	0.00	7.49
13 S 1,2-Dichloroethane-d4	0.303	0.301	0.7	113	0.00	7.62
----- Amount Calc. %Drift -----						
14 1,2-Dichloroethane	10.000	10.605	-6.1	120	0.00	7.69
15 Trichloroethene	10.000	10.151	-1.5	115	0.00	8.05
----- AvgRF CCRF %Dev -----						
16 1,2-Dichloropropane	0.397	0.395	0.5	118	0.00	8.58
----- Amount Calc. %Drift -----						
17 cis-1,3-Dichloropropene	10.000	9.998	0.0	114	0.00	9.24
----- AvgRF CCRF %Dev -----						
18 I Chlorobenzene-d5	1.000	1.000	0.0	119	0.00	10.98
19 S Toluene-d8	1.115	1.062	4.8	114	0.00	9.42
----- Amount Calc. %Drift -----						
20 trans-1,3-Dichloropropene	10.000	9.179	8.2	113	0.00	9.87
21 Tetrachloroethene	10.000	9.557	4.4	117	0.00	9.87
22 1,4-Dichlorobenzene	10.000	9.955	0.4	118	0.00	13.35
23 1,2-Dibromo-3-Chloropropa	10.000	8.643	13.6	107	0.00	14.52

(#) = Out of Range

SPCC's out = 0 CCC's out = 0



Continuing Calibration Summary

Job Number: FC18326
Account: AHTNACAS Ahtna Global, LLC
Project: Fort Ord Groundwater Monitoring

Sample: VZ3087-CC3084
Lab FileID: Z76669.D

Z76607.D SIMCL-08-28-2024.M

Fri Aug 30 11:06:34 2024

Continuing Calibration Summary

Job Number: FC18326
Account: AHTNACAS Ahtna Global, LLC
Project: Fort Ord Groundwater Monitoring

Sample: VZ3087-ECC3084
Lab FileID: Z76695.D

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\data\083024\Z76695.D Vial: 28
 Acq On : 30 Aug 2024 6:10 pm Operator: claudias
 Sample : ECC3084-5 Inst : MSVOA15-Z
 Misc : MS57393,VZ3087,,,,, Multiplr: 1.00
 MS Integration Params: micro.p

Method : C:\msdchem\1\met...MCL-08-28-2024.M (RTE Integrator)
 Title : Standard Methods 6200B
 Last Update : Wed Aug 28 11:30:23 2024
 Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 50% Max. Rel. Area : 200%

Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1 I Fluorobenzene	1.000	1.000	0.0	114	0.00	7.89
----- Amount Calc. %Drift -----						
2 Vinyl Chloride	10.000	10.991	-9.9	125	0.00	3.19
3 Chloromethane	10.000	11.764	-17.6	132	0.00	3.12
4 1,1-Dichloroethene	10.000	11.129	-11.3	129	0.00	4.57
5 Methylene Chloride	10.000	19.139	-91.4#	184	0.00	5.21
6 trans-1,2-Dichloroethene	10.000	11.076	-10.8	129	0.00	5.39
7 1,1-Dichloroethane	10.000	11.782	-17.8	130	0.00	6.06
8 cis-1,2-Dichloroethene	10.000	10.490	-4.9	123	0.00	6.62
9 Chloroform	10.000	9.988	0.1	119	0.00	6.88
10 Carbon Tetrachloride	10.000	9.063	9.4	110	0.00	7.05
11 1,1,1-Trichloroethane	10.000	10.257	-2.6	122	0.00	7.13
----- AvgRF CCRF %Dev -----						
12 Benzene	1.449	1.456	-0.5	125	0.00	7.49
13 S 1,2-Dichloroethane-d4	0.303	0.324	-6.9	126	0.00	7.63
----- Amount Calc. %Drift -----						
14 1,2-Dichloroethane	10.000	11.064	-10.6	129	0.00	7.70
15 Trichloroethene	10.000	9.940	0.6	117	0.00	8.06
----- AvgRF CCRF %Dev -----						
16 1,2-Dichloropropane	0.397	0.408	-2.8	126	0.00	8.59
----- Amount Calc. %Drift -----						
17 cis-1,3-Dichloropropene	10.000	9.788	2.1	115	0.00	9.25
----- AvgRF CCRF %Dev -----						
18 I Chlorobenzene-d5	1.000	1.000	0.0	123	0.00	10.98
19 S Toluene-d8	1.115	1.068	4.2	118	0.00	9.43
----- Amount Calc. %Drift -----						
20 trans-1,3-Dichloropropene	10.000	9.080	9.2	115	0.00	9.87
21 Tetrachloroethene	10.000	8.709	12.9	110	0.00	9.87
22 1,4-Dichlorobenzene	10.000	9.357	6.4	114	0.00	13.35
23 1,2-Dibromo-3-Chloropropa	10.000	8.952	10.5	114	0.00	14.52

(#) = Out of Range

SPCC's out = 0 CCC's out = 0

Continuing Calibration Summary

Job Number: FC18326
Account: AHTNACAS Ahtna Global, LLC
Project: Fort Ord Groundwater Monitoring

Sample: VZ3087-ECC3084
Lab FileID: Z76695.D

Z76607.D SIMCL-08-28-2024.M

Tue Sep 03 07:31:40 2024

Continuing Calibration Summary

Job Number: FC18326
Account: AHTNACAS Ahtna Global, LLC
Project: Fort Ord Groundwater Monitoring

Sample: VZ3088-CC3084
Lab FileID: Z76697.D

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\data\090324\Z76697.D Vial: 2
 Acq On : 3 Sep 2024 7:30 am Operator: claudias
 Sample : cc3084-5 Inst : MSVOA15-Z
 Misc : MS57383,VZ3088,,,,, Multiplr: 1.00
 MS Integration Params: micro.p

Method : C:\msdchem\1\met...MCL-08-28-2024.M (RTE Integrator)
 Title : Standard Methods 6200B
 Last Update : Wed Aug 28 11:30:23 2024
 Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 200%

Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1 I Fluorobenzene	1.000	1.000	0.0	118	0.00	7.89
----- Amount Calc. %Drift -----						
2 Vinyl Chloride	10.000	11.011	-10.1	129	0.00	3.18
3 Chloromethane	10.000	11.479	-14.8	133	-0.02	3.12
4 1,1-Dichloroethene	10.000	11.481	-14.8	137	0.00	4.56
5 Methylene Chloride	10.000	12.533	-25.3#	147	0.00	5.21
6 trans-1,2-Dichloroethene	10.000	11.583	-15.8	138	0.00	5.38
7 1,1-Dichloroethane	10.000	11.923	-19.2	136	0.00	6.05
8 cis-1,2-Dichloroethene	10.000	11.043	-10.4	133	0.00	6.62
9 Chloroform	10.000	10.399	-4.0	127	0.00	6.88
10 Carbon Tetrachloride	10.000	9.907	0.9	123	-0.01	7.04
11 1,1,1-Trichloroethane	10.000	10.691	-6.9	131	0.00	7.12
----- AvgRF CCRF %Dev -----						
12 Benzene	1.449	1.424	1.7	126	0.00	7.49
13 S 1,2-Dichloroethane-d4	0.303	0.314	-3.6	126	0.00	7.62
----- Amount Calc. %Drift -----						
14 1,2-Dichloroethane	10.000	10.746	-7.5	130	0.00	7.69
15 Trichloroethene	10.000	9.894	1.1	120	0.00	8.05
----- AvgRF CCRF %Dev -----						
16 1,2-Dichloropropane	0.397	0.387	2.5	123	0.00	8.58
----- Amount Calc. %Drift -----						
17 cis-1,3-Dichloropropene	10.000	9.798	2.0	119	0.00	9.24
----- AvgRF CCRF %Dev -----						
18 I Chlorobenzene-d5	1.000	1.000	0.0	132	0.00	10.97
19 S Toluene-d8	1.115	1.032	7.4	122	0.00	9.42
----- Amount Calc. %Drift -----						
20 trans-1,3-Dichloropropene	10.000	8.768	12.3	119	0.00	9.87
21 Tetrachloroethene	10.000	9.357	6.4	127	0.00	9.87
22 1,4-Dichlorobenzene	10.000	9.808	1.9	129	0.00	13.35
23 1,2-Dibromo-3-Chloropropa	10.000	8.319	16.8	114	0.00	14.52

(#) = Out of Range

SPCC's out = 0 CCC's out = 0



Continuing Calibration Summary

Job Number: FC18326
Account: AHTNACAS Ahtna Global, LLC
Project: Fort Ord Groundwater Monitoring

Sample: VZ3088-CC3084
Lab FileID: Z76697.D

Z76607.D SIMCL-08-28-2024.M

Tue Sep 03 09:39:48 2024

Continuing Calibration Summary

Job Number: FC18326
Account: AHTNACAS Ahtna Global, LLC
Project: Fort Ord Groundwater Monitoring

Sample: VZ3088-ECC3084
Lab FileID: Z76723.D

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\data\090324\Z76723.D Vial: 28
 Acq On : 3 Sep 2024 6:12 pm Operator: claudias
 Sample : ECC3084-5 Inst : MSVOA15-Z
 Misc : MS57405,VZ3088,,,,, Multiplr: 1.00
 MS Integration Params: micro.p

Method : C:\msdchem\1\met...MCL-08-28-2024.M (RTE Integrator)
 Title : Standard Methods 6200B
 Last Update : Wed Aug 28 11:30:23 2024
 Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 50% Max. Rel. Area : 200%

Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1 I Fluorobenzene	1.000	1.000	0.0	105	0.00	7.89
----- Amount Calc. %Drift -----						
2 Vinyl Chloride	10.000	11.771	-17.7	122	0.00	3.18
3 Chloromethane	10.000	12.588	-25.9	128	-0.01	3.12
4 1,1-Dichloroethene	10.000	12.675	-26.8	132	0.00	4.56
5 Methylene Chloride	10.000	21.329	-113.3#	177	0.00	5.21
6 trans-1,2-Dichloroethene	10.000	12.567	-25.7	132	0.00	5.38
7 1,1-Dichloroethane	10.000	13.068	-30.7	132	0.00	6.06
8 cis-1,2-Dichloroethene	10.000	11.636	-16.4	123	0.00	6.62
9 Chloroform	10.000	11.269	-12.7	121	0.00	6.88
10 Carbon Tetrachloride	10.000	9.755	2.4	108	0.00	7.05
11 1,1,1-Trichloroethane	10.000	11.451	-14.5	124	0.00	7.12
----- AvgRF CCRF %Dev -----						
12 Benzene	1.449	1.530	-5.6	120	0.00	7.49
13 S 1,2-Dichloroethane-d4	0.303	0.350	-15.5	124	0.00	7.62
----- Amount Calc. %Drift -----						
14 1,2-Dichloroethane	10.000	12.441	-24.4	131	0.00	7.69
15 Trichloroethene	10.000	10.521	-5.2	113	0.00	8.06
----- AvgRF CCRF %Dev -----						
16 1,2-Dichloropropane	0.397	0.432	-8.8	122	0.00	8.58
----- Amount Calc. %Drift -----						
17 cis-1,3-Dichloropropene	10.000	10.224	-2.2	110	0.00	9.24
----- AvgRF CCRF %Dev -----						
18 I Chlorobenzene-d5	1.000	1.000	0.0	119	0.00	10.98
19 S Toluene-d8	1.115	1.043	6.5	111	0.00	9.43
----- Amount Calc. %Drift -----						
20 trans-1,3-Dichloropropene	10.000	8.964	10.4	110	0.00	9.87
21 Tetrachloroethene	10.000	8.777	12.2	108	0.00	9.87
22 1,4-Dichlorobenzene	10.000	9.643	3.6	114	0.00	13.35
23 1,2-Dibromo-3-Chloropropa	10.000	8.719	12.8	108	0.00	14.52

(#) = Out of Range

SPCC's out = 0 CCC's out = 0

6.7.10
6



Continuing Calibration Summary

Job Number: FC18326
Account: AHTNACAS Ahtna Global, LLC
Project: Fort Ord Groundwater Monitoring

Sample: VZ3088-ECC3084
Lab FileID: Z76723.D

Z76607.D SIMCL-08-28-2024.M

Wed Sep 04 07:15:42 2024

Continuing Calibration Summary

Job Number: FC18326
Account: AHTNACAS Ahtna Global, LLC
Project: Fort Ord Groundwater Monitoring

Sample: VZ3089-CC3084
Lab FileID: Z76725.D

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\data\090424\Z76725.D Vial: 2
 Acq On : 4 Sep 2024 7:17 am Operator: claudias
 Sample : cc3084-5 Inst : MSVOA15-Z
 Misc : MS57405,VZ3089,,,,, Multiplr: 1.00
 MS Integration Params: micro.p

Method : C:\msdchem\1\met...MCL-08-28-2024.M (RTE Integrator)
 Title : Standard Methods 6200B
 Last Update : Wed Aug 28 11:30:23 2024
 Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 200%

Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1 I Fluorobenzene	1.000	1.000	0.0	103	0.00	7.89
----- Amount Calc. %Drift -----						
2 Vinyl Chloride	10.000	12.000	-20.0	122	0.00	3.19
3 Chloromethane	10.000	12.675	-26.8#	127	-0.01	3.12
4 1,1-Dichloroethene	10.000	12.512	-25.1#	129	0.00	4.56
5 Methylene Chloride	10.000	13.254	-32.5#	134	0.00	5.21
6 trans-1,2-Dichloroethene	10.000	12.777	-27.8#	132	0.00	5.38
7 1,1-Dichloroethane	10.000	13.256	-32.6#	132	0.00	6.05
8 cis-1,2-Dichloroethene	10.000	12.209	-22.1#	127	0.00	6.62
9 Chloroform	10.000	11.847	-18.5	124	0.00	6.88
10 Carbon Tetrachloride	10.000	10.263	-2.6	111	0.00	7.05
11 1,1,1-Trichloroethane	10.000	11.695	-17.0	124	0.00	7.12
----- AvgRF CCRF %Dev -----						
12 Benzene	1.449	1.556	-7.4	120	0.00	7.49
13 S 1,2-Dichloroethane-d4	0.303	0.334	-10.2	117	0.00	7.62
----- Amount Calc. %Drift -----						
14 1,2-Dichloroethane	10.000	12.664	-26.6#	131	0.00	7.69
15 Trichloroethene	10.000	10.862	-8.6	115	0.00	8.05
----- AvgRF CCRF %Dev -----						
16 1,2-Dichloropropane	0.397	0.443	-11.6	123	0.00	8.58
----- Amount Calc. %Drift -----						
17 cis-1,3-Dichloropropene	10.000	10.973	-9.7	116	0.00	9.24
----- AvgRF CCRF %Dev -----						
18 I Chlorobenzene-d5	1.000	1.000	0.0	118	0.00	10.97
19 S Toluene-d8	1.115	1.031	7.5	110	0.00	9.42
----- Amount Calc. %Drift -----						
20 trans-1,3-Dichloropropene	10.000	9.473	5.3	116	0.00	9.87
21 Tetrachloroethene	10.000	9.262	7.4	113	0.00	9.87
22 1,4-Dichlorobenzene	10.000	10.363	-3.6	122	0.00	13.35
23 1,2-Dibromo-3-Chloropropa	10.000	8.821	11.8	108	0.00	14.52

(#) = Out of Range

SPCC's out = 0 CCC's out = 0



Continuing Calibration Summary

Job Number: FC18326
Account: AHTNACAS Ahtna Global, LLC
Project: Fort Ord Groundwater Monitoring

Sample: VZ3089-CC3084
Lab FileID: Z76725.D

Z76607.D SIMCL-08-28-2024.M

Wed Sep 04 09:21:35 2024

Continuing Calibration Summary

Job Number: FC18326
 Account: AHTNACAS Ahtna Global, LLC
 Project: Fort Ord Groundwater Monitoring

Sample: VZ3089-ECC3084
 Lab FileID: Z76741.D

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\data\090424\Z76741.D Vial: 18
 Acq On : 4 Sep 2024 2:03 pm Operator: claudias
 Sample : ECC3084-5 Inst : MSVOA15-Z
 Misc : MS57418,VZ3089,,,,, Multiplr: 1.00
 MS Integration Params: micro.p

Method : C:\msdchem\1\met...MCL-08-28-2024.M (RTE Integrator)
 Title : Standard Methods 6200B
 Last Update : Wed Aug 28 11:30:23 2024
 Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 50% Max. Rel. Area : 200%

Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1 I Fluorobenzene	1.000	1.000	0.0	105	0.00	7.89
----- Amount Calc. %Drift -----						
2 Vinyl Chloride	10.000	11.551	-15.5	120	0.00	3.19
3 Chloromethane	10.000	12.047	-20.5	124	0.00	3.13
4 1,1-Dichloroethene	10.000	11.892	-18.9	126	0.00	4.57
5 Methylene Chloride	10.000	14.016	-40.2	141	0.00	5.21
6 trans-1,2-Dichloroethene	10.000	11.848	-18.5	126	0.00	5.39
7 1,1-Dichloroethane	10.000	12.498	-25.0	127	0.00	6.06
8 cis-1,2-Dichloroethene	10.000	11.058	-10.6	118	0.00	6.62
9 Chloroform	10.000	10.724	-7.2	116	0.00	6.88
10 Carbon Tetrachloride	10.000	9.217	7.8	103	0.00	7.05
11 1,1,1-Trichloroethane	10.000	10.826	-8.3	118	0.00	7.13
----- AvgRF CCRF %Dev -----						
12 Benzene	1.449	1.498	-3.4	118	0.00	7.49
13 S 1,2-Dichloroethane-d4	0.303	0.337	-11.2	120	0.00	7.63
----- Amount Calc. %Drift -----						
14 1,2-Dichloroethane	10.000	12.000	-20.0	127	0.00	7.70
15 Trichloroethene	10.000	10.304	-3.0	111	0.00	8.06
----- AvgRF CCRF %Dev -----						
16 1,2-Dichloropropane	0.397	0.425	-7.1	121	0.00	8.59
----- Amount Calc. %Drift -----						
17 cis-1,3-Dichloropropene	10.000	10.110	-1.1	109	0.00	9.24
----- AvgRF CCRF %Dev -----						
18 I Chlorobenzene-d5	1.000	1.000	0.0	119	0.00	10.97
19 S Toluene-d8	1.115	1.044	6.4	111	0.00	9.43
----- Amount Calc. %Drift -----						
20 trans-1,3-Dichloropropene	10.000	9.020	9.8	110	0.00	9.87
21 Tetrachloroethene	10.000	8.482	15.2	104	0.00	9.87
22 1,4-Dichlorobenzene	10.000	9.278	7.2	109	0.00	13.35
23 1,2-Dibromo-3-Chloropropa	10.000	8.839	11.6	109	0.00	14.52

(#) = Out of Range

SPCC's out = 0 CCC's out = 0

Continuing Calibration Summary

Job Number: FC18326
Account: AHTNACAS Ahtna Global, LLC
Project: Fort Ord Groundwater Monitoring

Sample: VZ3089-ECC3084
Lab FileID: Z76741.D

Z76607.D SIMCL-08-28-2024.M

Thu Sep 05 06:22:22 2024

Run Sequence Report

Job Number: FC18326
Account: AHTNACAS Ahtna Global, LLC
Project: Fort Ord Groundwater Monitoring

Run ID: VN6705	Method: SW846 8260D BY SIM	Instrument ID: GCMSN
-----------------------	-----------------------------------	-----------------------------

Lab Sample ID	Lab File ID	Date/Time Analyzed	Prep QC Batch	Client Sample ID
VN6705-BFB	N0132197.D	08/20/24 09:04	n/a	BFB Tune
VN6705-IC6705	N0132200.D	08/20/24 10:17	n/a	Initial cal 3
VN6705-IC6705	N0132201.D	08/20/24 10:41	n/a	Initial cal 4
VN6705-ICC6705	N0132202.D	08/20/24 11:04	n/a	Initial cal 5
VN6705-IC6705	N0132203.D	08/20/24 11:28	n/a	Initial cal 6
VN6705-IC6705	N0132204.D	08/20/24 11:51	n/a	Initial cal 7
VN6705-IC6705	N0132207.D	08/20/24 13:05	n/a	Initial cal 1
VN6705-IC6705	N0132208.D	08/20/24 13:28	n/a	Initial cal 2
VN6705-ICV6705	N0132209.D	08/20/24 13:52	n/a	Initial cal verification 5

Run Sequence Report

Job Number: FC18326
Account: AHTNACAS Ahtna Global, LLC
Project: Fort Ord Groundwater Monitoring

Run ID: VN6714	Method: SW846 8260D BY SIM	Instrument ID: GCMSN
-----------------------	-----------------------------------	-----------------------------

Lab Sample ID	Lab File ID	Date/Time Analyzed	Prep QC Batch	Client Sample ID
VN6714-BFB	N0132421.D	09/04/24 06:43	n/a	BFB Tune
VN6714-CC6705	N0132422.D	09/04/24 07:06	n/a	Continuing cal 5
VN6714-BS	N0132423.D	09/04/24 07:32	n/a	Blank Spike
VN6714-MB	N0132425.D	09/04/24 08:19	n/a	Method Blank
FC18326-25	N0132426.D	09/04/24 08:52	n/a	24340BWX212A
FC18326-32	N0132427.D	09/04/24 09:16	n/a	2434Y0BW215A
FC18326-23	N0132428.D	09/04/24 09:39	n/a	2434X0BW031F
FC18326-24	N0132429.D	09/04/24 10:02	n/a	2434X0BW038F
FC18326-26	N0132430.D	09/04/24 10:26	n/a	2434X0BW006F
FC18326-27	N0132431.D	09/04/24 10:49	n/a	2434X0BW008F
FC18326-28	N0132432.D	09/04/24 11:12	n/a	2434X0BW010F
FC18326-29	N0132433.D	09/04/24 11:35	n/a	2434X0BW012F
FC18326-30	N0132434.D	09/04/24 11:59	n/a	2434XOU2001F
FC18326-31	N0132435.D	09/04/24 12:22	n/a	2434XOU2002F
FC18326-33	N0132436.D	09/04/24 12:45	n/a	2434X0BW040F
FC18326-34	N0132437.D	09/04/24 13:09	n/a	2434X0BW183F
FC18326-35	N0132438.D	09/04/24 13:32	n/a	2434X0BW064D
ZZZZZZ	N0132439.D	09/04/24 13:56	n/a	(unrelated sample)
ZZZZZZ	N0132440.D	09/04/24 14:19	n/a	(unrelated sample)
FC18326-23MS	N0132441.D	09/04/24 14:42	n/a	Matrix Spike
FC18326-23MSD	N0132442.D	09/04/24 15:05	n/a	Matrix Spike Duplicate
VN6714-ECC6705	N0132443.D	09/04/24 15:29	n/a	Ending cal 5

Run Sequence Report

Job Number: FC18326
Account: AHTNACAS Ahtna Global, LLC
Project: Fort Ord Groundwater Monitoring

Run ID: VZ3084	Method: SW846 8260D BY SIM	Instrument ID: GCMSZ
-----------------------	-----------------------------------	-----------------------------

Lab Sample ID	Lab File ID	Date/Time Analyzed	Prep QC Batch	Client Sample ID
VZ3084-BFB	Z76601.D	08/28/24 07:36	n/a	BFB Tune
VZ3084-IC3084	Z76603.D	08/28/24 08:29	n/a	Initial cal 1
VZ3084-IC3084	Z76604.D	08/28/24 08:51	n/a	Initial cal 2
VZ3084-IC3084	Z76605.D	08/28/24 09:24	n/a	Initial cal 3
VZ3084-IC3084	Z76606.D	08/28/24 09:47	n/a	Initial cal 4
VZ3084-ICC3084	Z76607.D	08/28/24 10:10	n/a	Initial cal 5
VZ3084-IC3084	Z76608.D	08/28/24 10:33	n/a	Initial cal 6
VZ3084-IC3084	Z76609.D	08/28/24 10:57	n/a	Initial cal 7
VZ3084-ICV3084	Z76611.D	08/28/24 11:43	n/a	Initial cal verification 5

Run Sequence Report

Job Number: FC18326
Account: AHTNACAS Ahtna Global, LLC
Project: Fort Ord Groundwater Monitoring

Run ID: VZ3087 **Method:** SW846 8260D BY SIM **Instrument ID:** GCMSZ

Lab Sample ID	Lab File ID	Date/Time Analyzed	Prep QC Batch	Client Sample ID
VZ3087-BFB	Z76668.D	08/30/24 07:03	n/a	BFB Tune
VZ3087-CC3084	Z76669.D	08/30/24 07:30	n/a	Continuing cal 5
VZ3087-BS	Z76670.D	08/30/24 08:06	n/a	Blank Spike
VZ3087-MB	Z76672.D	08/30/24 09:09	n/a	Method Blank
FC18326-1	Z76673.D	08/30/24 09:46	n/a	24340BWX210A
FC18326-9	Z76674.D	08/30/24 10:09	n/a	24340BWX193C
FC18326-2	Z76675.D	08/30/24 10:32	n/a	2434X0BW018F
FC18326-3	Z76676.D	08/30/24 10:55	n/a	2434X00B020F
FC18326-4	Z76677.D	08/30/24 11:18	n/a	2434X0BW156F
FC18326-5	Z76678.D	08/30/24 11:41	n/a	2434X0BW011F
FC18326-6	Z76679.D	08/30/24 12:03	n/a	2434X0BW025F
FC18326-7	Z76680.D	08/30/24 12:26	n/a	2434X0BW051F
FC18326-8	Z76681.D	08/30/24 12:49	n/a	2434X0BW055F
FC18326-10	Z76682.D	08/30/24 13:12	n/a	2434X0BW005F
FC18326-11	Z76683.D	08/30/24 13:35	n/a	2434X0BW007F
FC18326-12	Z76684.D	08/30/24 13:58	n/a	2434X0BW061D
FC18326-13	Z76685.D	08/30/24 14:21	n/a	2434X0BW024F
FC18326-14	Z76686.D	08/30/24 14:44	n/a	2434X0BW062D
FC18326-15	Z76687.D	08/30/24 15:07	n/a	2434X0BW009F
FC18326-16	Z76688.D	08/30/24 15:30	n/a	2434X0BW026F
FC18326-17	Z76689.D	08/30/24 15:52	n/a	2434X0BW054F
FC18326-18	Z76690.D	08/30/24 16:15	n/a	2434X0BW027F
FC18326-19	Z76691.D	08/30/24 16:38	n/a	2434X0BW028F
FC18326-20	Z76692.D	08/30/24 17:01	n/a	2434X0BW029F
FC18326-4MS	Z76693.D	08/30/24 17:24	n/a	Matrix Spike
FC18326-4MSD	Z76694.D	08/30/24 17:47	n/a	Matrix Spike Duplicate
VZ3087-ECC3084	Z76695.D	08/30/24 18:10	n/a	Ending cal 5

Run Sequence Report

Job Number: FC18326
Account: AHTNACAS Ahtna Global, LLC
Project: Fort Ord Groundwater Monitoring

Run ID: VZ3088 **Method:** SW846 8260D BY SIM **Instrument ID:** GCMSZ

Lab Sample ID	Lab File ID	Date/Time Analyzed	Prep QC Batch	Client Sample ID
VZ3088-BFB	Z76696.D	09/03/24 07:02	n/a	BFB Tune
VZ3088-CC3084	Z76697.D	09/03/24 07:30	n/a	Continuing cal 5
VZ3088-BS	Z76698.D	09/03/24 08:05	n/a	Blank Spike
VZ3088-MB	Z76700.D	09/03/24 09:10	n/a	Method Blank
ZZZZZZ	Z76701.D	09/03/24 09:49	n/a	(unrelated sample)
ZZZZZZ	Z76702.D	09/03/24 10:12	n/a	(unrelated sample)
ZZZZZZ	Z76703.D	09/03/24 10:35	n/a	(unrelated sample)
ZZZZZZ	Z76704.D	09/03/24 10:58	n/a	(unrelated sample)
ZZZZZZ	Z76705.D	09/03/24 11:21	n/a	(unrelated sample)
FC18325-4	Z76706.D	09/03/24 11:44	n/a	(used for QC only; not part of job FC18326)
ZZZZZZ	Z76707.D	09/03/24 12:06	n/a	(unrelated sample)
ZZZZZZ	Z76708.D	09/03/24 12:29	n/a	(unrelated sample)
ZZZZZZ	Z76709.D	09/03/24 12:52	n/a	(unrelated sample)
ZZZZZZ	Z76710.D	09/03/24 13:15	n/a	(unrelated sample)
ZZZZZZ	Z76711.D	09/03/24 13:38	n/a	(unrelated sample)
ZZZZZZ	Z76712.D	09/03/24 14:01	n/a	(unrelated sample)
ZZZZZZ	Z76713.D	09/03/24 14:23	n/a	(unrelated sample)
ZZZZZZ	Z76714.D	09/03/24 14:46	n/a	(unrelated sample)
ZZZZZZ	Z76715.D	09/03/24 15:09	n/a	(unrelated sample)
ZZZZZZ	Z76716.D	09/03/24 15:32	n/a	(unrelated sample)
ZZZZZZ	Z76717.D	09/03/24 15:55	n/a	(unrelated sample)
ZZZZZZ	Z76718.D	09/03/24 16:18	n/a	(unrelated sample)
FC18326-21	Z76719.D	09/03/24 16:41	n/a	2434X00B019F
FC18326-22	Z76720.D	09/03/24 17:03	n/a	2434X0BW063D
FC18325-4MS	Z76721.D	09/03/24 17:26	n/a	Matrix Spike
FC18325-4MSD	Z76722.D	09/03/24 17:49	n/a	Matrix Spike Duplicate
VZ3088-ECC3084	Z76723.D	09/03/24 18:12	n/a	Ending cal 5

Run Sequence Report

Job Number: FC18326
Account: AHTNACAS Ahtna Global, LLC
Project: Fort Ord Groundwater Monitoring

Run ID: VZ3089	Method: SW846 8260D BY SIM	Instrument ID: GCMSZ
-----------------------	-----------------------------------	-----------------------------

Lab Sample ID	Lab File ID	Date/Time Analyzed	Prep QC Batch	Client Sample ID
VZ3089-BFB	Z76724.D	09/04/24 06:49	n/a	BFB Tune
VZ3089-CC3084	Z76725.D	09/04/24 07:17	n/a	Continuing cal 5
VZ3089-BS	Z76726.D	09/04/24 07:53	n/a	Blank Spike
VZ3089-MB	Z76728.D	09/04/24 08:54	n/a	Method Blank
FC18326-38	Z76729.D	09/04/24 09:29	n/a	2434Y0BW198C
ZZZZZZ	Z76730.D	09/04/24 09:51	n/a	(unrelated sample)
ZZZZZZ	Z76731.D	09/04/24 10:14	n/a	(unrelated sample)
ZZZZZZ	Z76732.D	09/04/24 10:37	n/a	(unrelated sample)
FC18326-36	Z76733.D	09/04/24 11:00	n/a	2434X0BW039F
FC18326-37	Z76734.D	09/04/24 11:23	n/a	2434X0BW182F
FC18326-39	Z76735.D	09/04/24 11:46	n/a	2434X0BW022F
FC18326-40	Z76736.D	09/04/24 12:08	n/a	2434X0BW057F
FC18326-41	Z76737.D	09/04/24 12:31	n/a	2434X0BW058F
FC18326-42	Z76738.D	09/04/24 12:54	n/a	2434X0BW059F
FC18326-36MS	Z76739.D	09/04/24 13:17	n/a	Matrix Spike
FC18326-36MSD	Z76740.D	09/04/24 13:40	n/a	Matrix Spike Duplicate
VZ3089-ECC3084	Z76741.D	09/04/24 14:03	n/a	Ending cal 5

MS Volatiles

Raw Data

7

Manual Integrations
APPROVED
(compounds with "m" flag)
Karen Watson
09/03/24 11:12

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\083024\
Data File : Z76673.D
Acq On : 30 Aug 2024 9:46 am
Operator : claudias
Sample : FC18326-1 Inst : MSVOA15-Z
Misc : MS57393,VZ3087,,,,,
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Aug 30 11:36:32 2024
Quant Method : C:\msdchem\1\methods\SIMCL-08-28-2024.M
Quant Title : Standard Methods 6200B
QLast Update : Wed Aug 28 11:30:23 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Fluorobenzene	7.895	96	21372	5.00	ug/L	0.00
18) Chlorobenzene-d5	10.975	117	24533	5.00	ug/L	0.00
System Monitoring Compounds						
13) 1,2-Dichloroethane-d4	7.621	65	6789	5.24	ug/L	0.00
Spiked Amount	5.000	Range 74 - 125	Recovery	=	104.80%	
19) Toluene-d8	9.428	98	26054	4.76	ug/L	0.00
Spiked Amount	5.000	Range 88 - 111	Recovery	=	95.20%	
Target Compounds						
5) Methylene Chloride	5.213	49	405	0.12	ug/L	Qvalue 97
9) Chloroform	6.878	83	425m	0.11	ug/L	

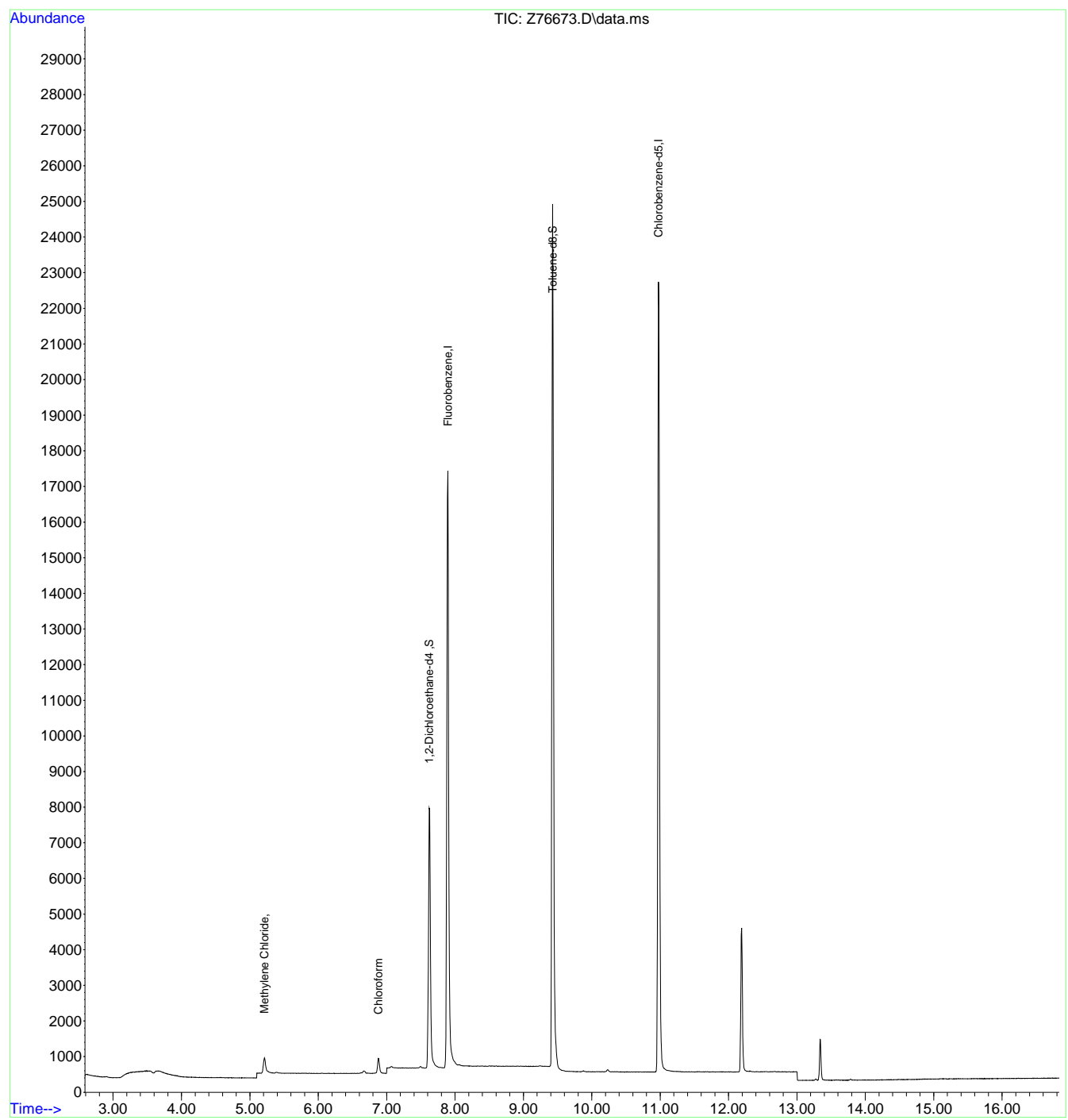
(#) = qualifier out of range (m) = manual integration (+) = signals summed

7.1.1
7

Quantitation Report (QT Reviewed)

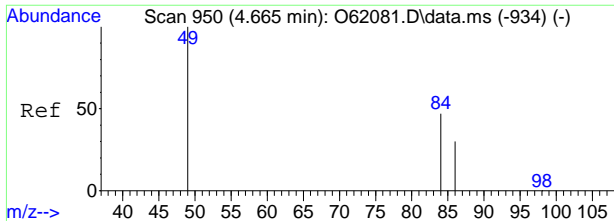
Data Path : C:\msdchem\1\data\083024\
Data File : Z76673.D
Acq On : 30 Aug 2024 9:46 am
Operator : claudias
Sample : FC18326-1 Inst : MSVOA15-Z
Misc : MS57393,VZ3087,,,,,
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Aug 30 11:36:32 2024
Quant Method : C:\msdchem\1\methods\SIMCL-08-28-2024.M
Quant Title : Standard Methods 6200B
QLast Update : Wed Aug 28 11:30:23 2024
Response via : Initial Calibration



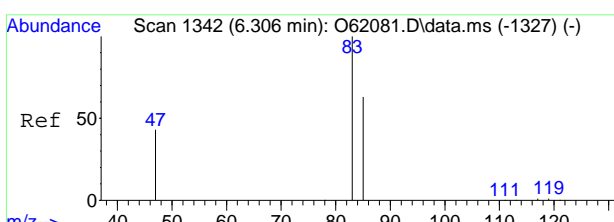
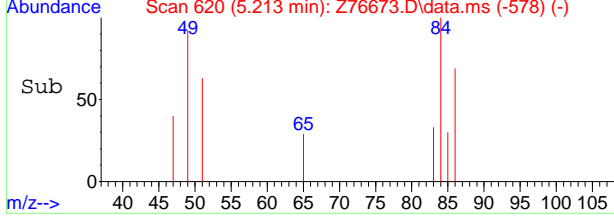
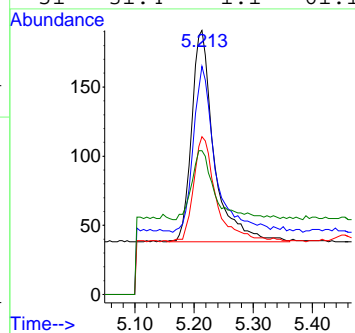
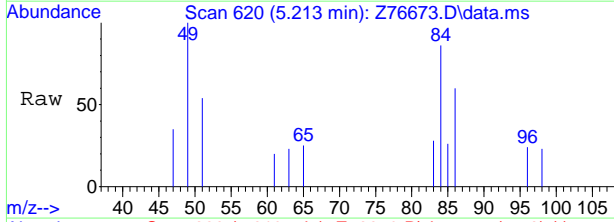
7.1.1
7





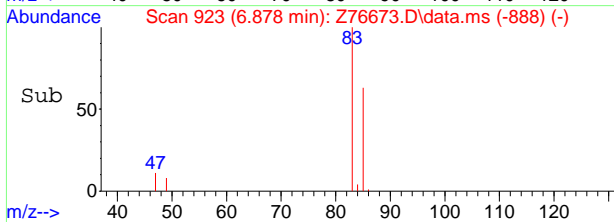
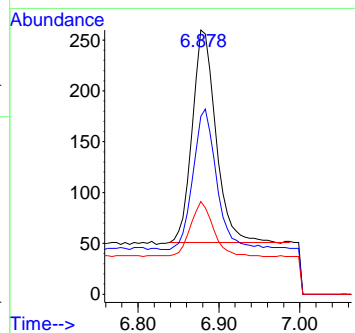
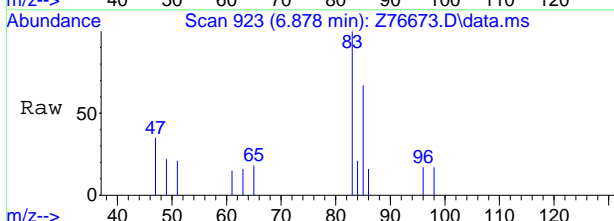
#5
 Methylene Chloride
 Concen: 0.12 ug/L
 RT: 5.213 min Scan# 620
 Delta R.T. 0.000 min
 Lab File: Z76673.D
 Acq: 30 Aug 2024 9:46 am

Tgt Ion	Ratio	Lower	Upper
49	100		
84	77.8	49.7	109.7
86	49.0	22.0	82.0
51	31.4	1.1	61.1



#9
 Chloroform
 Concen: 0.11 ug/L m
 RT: 6.878 min Scan# 923
 Delta R.T. -0.005 min
 Lab File: Z76673.D
 Acq: 30 Aug 2024 9:46 am

Tgt Ion	Ratio	Lower	Upper
83	100		
85	67.3	35.9	95.9
47	35.0	0.0	51.0



7.1.1
7



Manual Integration Approval Summary

Sample Number: FC18326-1 **Method:** SW846 8260D BY SIM
Lab FileID: Z76673.D **Analyst approved:** 09/03/24 08:25 Claudia Sosa
Injection Time: 08/30/24 09:46 **Supervisor approved:** 09/03/24 11:12 Karen Watson

Parameter	CAS	Sig#	R.T. (min.)	Reason
Chloroform	67-66-3		6.88	Poor instrument integration

7.1.1.1

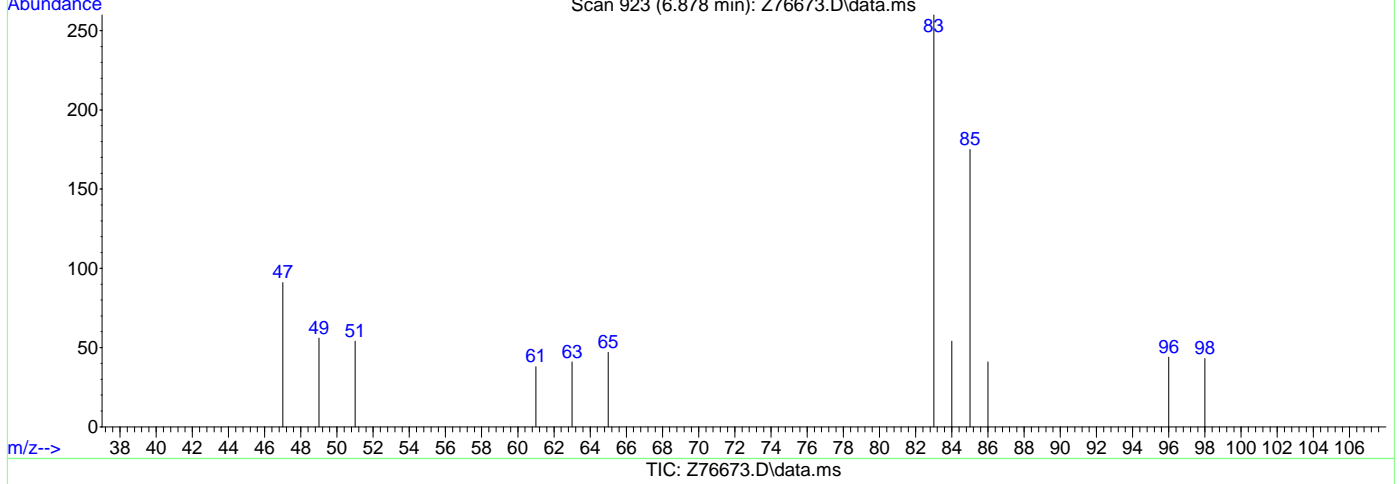
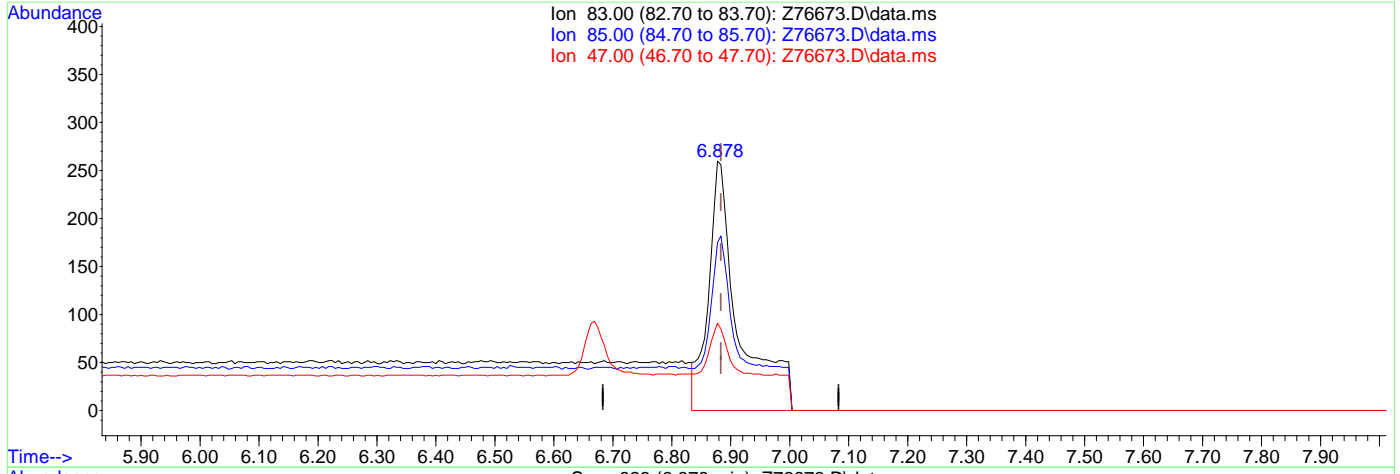
7

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\083024\
Data File : Z76673.D
Acq On : 30 Aug 2024 9:46 am
Operator : claudias
Sample : FC18326-1
Misc : MS57393,VZ3087,,,,,
ALS Vial : 6 Sample Multiplier: 1

Inst : MSVOA15-Z

Quant Time: Aug 30 11:34:32 2024
Quant Method : C:\msdchem\1\methods\SIMCL-08-28-2024.M
Quant Title : Standard Methods 6200B
QLast Update : Wed Aug 28 11:30:23 2024
Response via : Initial Calibration



(9) Chloroform

6.878min (-0.005) 0.25ug/L

response 936

Ion	Exp%	Act%
83.00	100	100
85.00	65.90	67.31
47.00	21.00	35.00
0.00	0.00	0.00



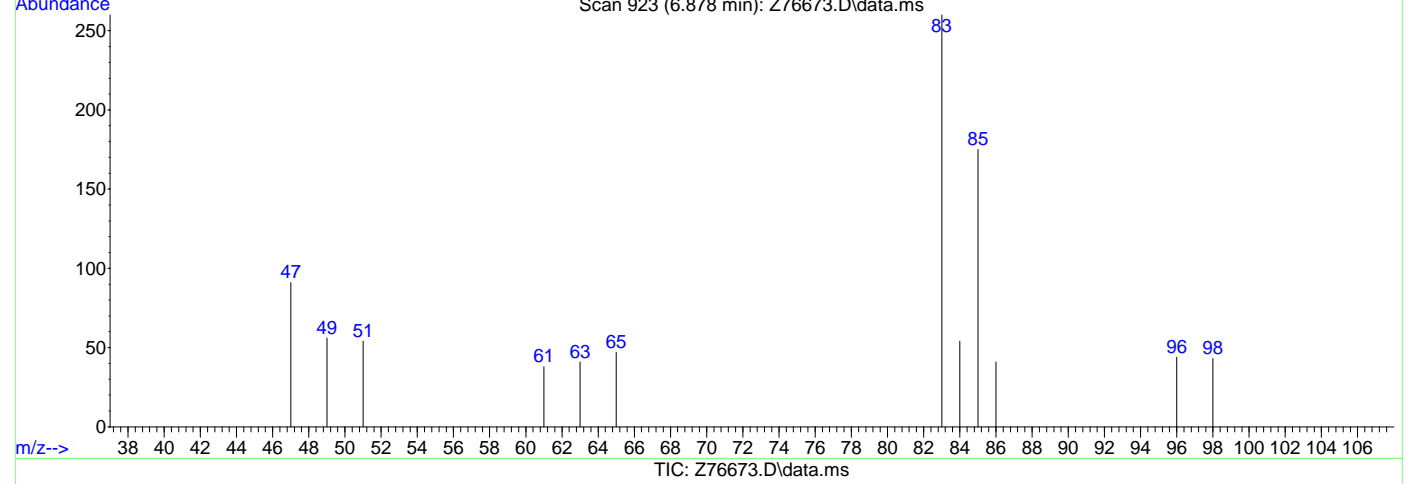
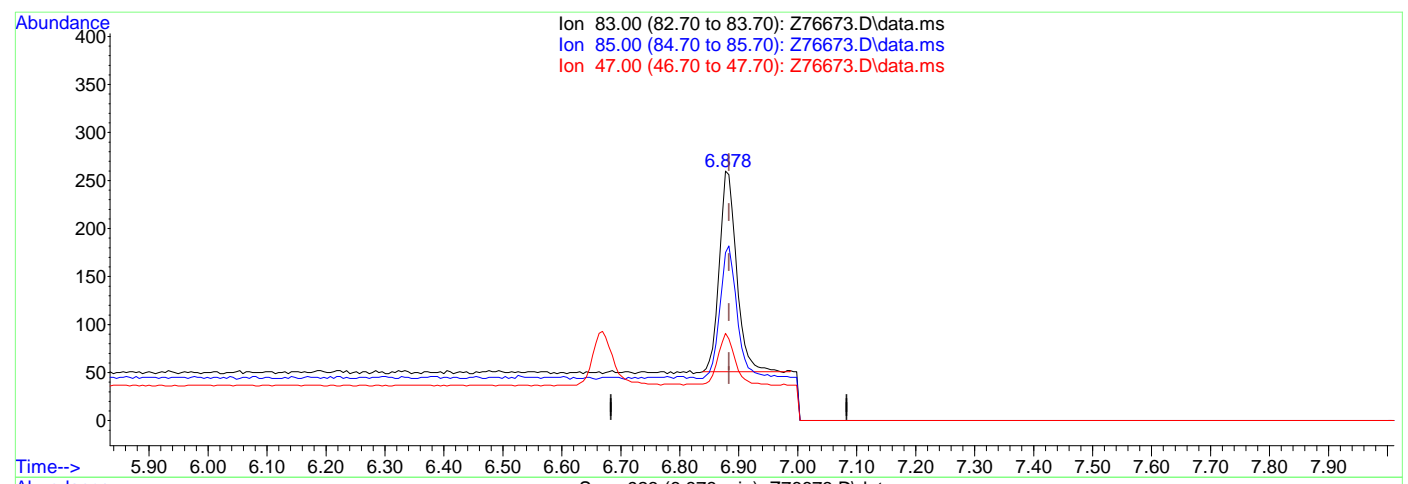
7.1.1.2
7

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\083024\
Data File : Z76673.D
Acq On : 30 Aug 2024 9:46 am
Operator : claudias
Sample : FC18326-1
Misc : MS57393,VZ3087,,,,,
ALS Vial : 6 Sample Multiplier: 1

Inst : MSVOA15-Z

Quant Time: Aug 30 11:34:32 2024
Quant Method : C:\msdchem\1\methods\SIMCL-08-28-2024.M
Quant Title : Standard Methods 6200B
QLast Update : Wed Aug 28 11:30:23 2024
Response via : Initial Calibration



(9) Chloroform

6.878min (-0.005) 0.11ug/L m

response 425

Ion	Exp%	Act%
83.00	100	100
85.00	65.90	67.31
47.00	21.00	35.00
0.00	0.00	0.00



7.1.1.3
7

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\083024\
Data File : Z76675.D
Acq On : 30 Aug 2024 10:32 am
Operator : claudias
Sample : FC18326-2 Inst : MSVOA15-Z
Misc : MS57393,VZ3087,,,,,
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Aug 30 11:11:55 2024
Quant Method : C:\msdchem\1\methods\SIMCL-08-28-2024.M
Quant Title : Standard Methods 6200B
QLast Update : Wed Aug 28 11:30:23 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Fluorobenzene	7.895	96	20223	5.00	ug/L	0.00
18) Chlorobenzene-d5	10.981	117	23438	5.00	ug/L	0.00
System Monitoring Compounds						
13) 1,2-Dichloroethane-d4	7.628	65	6600	5.39	ug/L	0.00
Spiked Amount	5.000	Range 74 - 125	Recovery	=	107.80%	
19) Toluene-d8	9.428	98	25016	4.79	ug/L	0.00
Spiked Amount	5.000	Range 88 - 111	Recovery	=	95.80%	
Target Compounds						
5) Methylene Chloride	5.208	49	226	0.07	ug/L	Qvalue 91

(#) = qualifier out of range (m) = manual integration (+) = signals summed

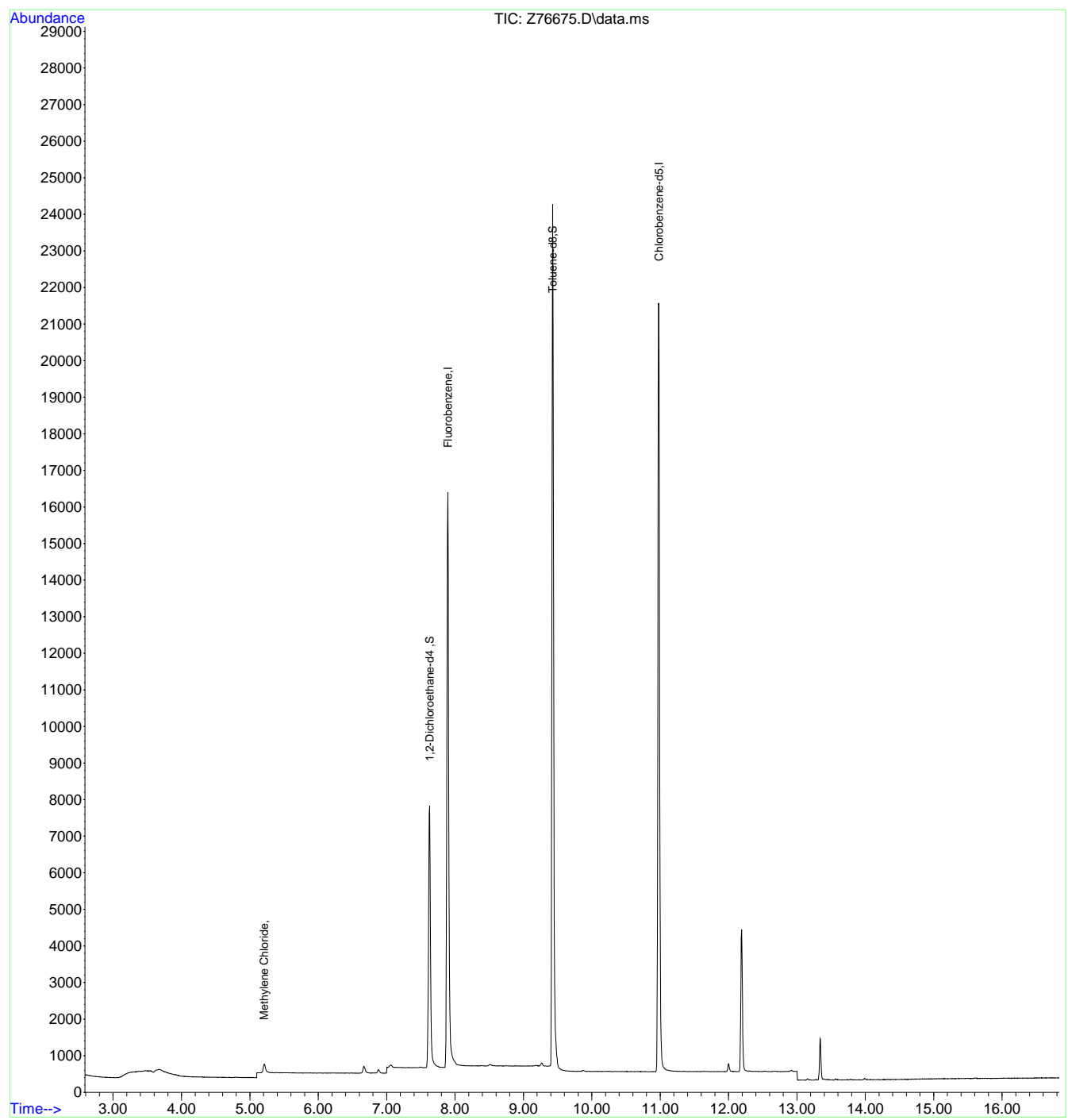
7.12
7

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\083024\
Data File : Z76675.D
Acq On : 30 Aug 2024 10:32 am
Operator : claudias
Sample : FC18326-2
Misc : MS57393,VZ3087,,,,,
ALS Vial : 8 Sample Multiplier: 1

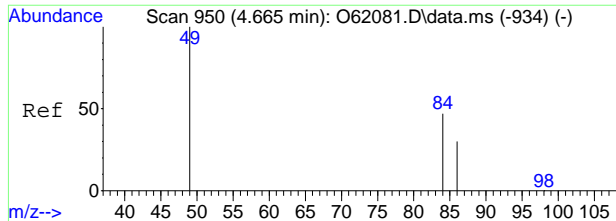
Inst : MSVOA15-Z

Quant Time: Aug 30 11:11:55 2024
Quant Method : C:\msdchem\1\methods\SIMCL-08-28-2024.M
Quant Title : Standard Methods 6200B
QLast Update : Wed Aug 28 11:30:23 2024
Response via : Initial Calibration



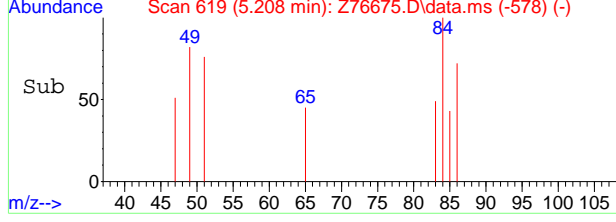
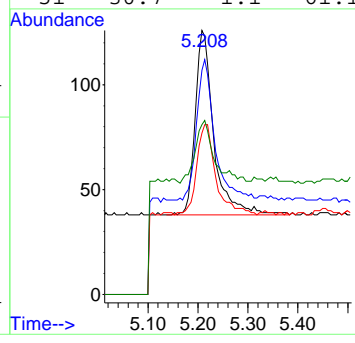
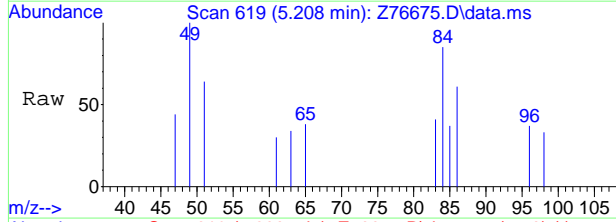
7.1.2
7





#5
 Methylene Chloride
 Concen: 0.07 ug/L
 RT: 5.208 min Scan# 619
 Delta R.T. -0.005 min
 Lab File: Z76675.D
 Acq: 30 Aug 2024 10:32 am

Tgt Ion	Ratio	Lower	Upper
49	100		
84	70.5	49.7	109.7
86	44.3	22.0	82.0
51	30.7	1.1	61.1



7.12
7



Manual Integrations
APPROVED
(compounds with "m" flag)
Karen Watson
09/03/24 11:12

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\083024\
Data File : Z76676.D
Acq On : 30 Aug 2024 10:55 am
Operator : claudias
Sample : FC18326-3 Inst : MSVOA15-Z
Misc : MS57393,VZ3087,,,,,
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Aug 30 11:38:12 2024
Quant Method : C:\msdchem\1\methods\SIMCL-08-28-2024.M
Quant Title : Standard Methods 6200B
QLast Update : Wed Aug 28 11:30:23 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	Qvalue

Internal Standards							
1) Fluorobenzene	7.894	96	21258	5.00	ug/L	0.00	
18) Chlorobenzene-d5	10.980	117	24739	5.00	ug/L	0.00	
System Monitoring Compounds							
13) 1,2-Dichloroethane-d4	7.628	65	6998	5.43	ug/L	0.00	
Spiked Amount	5.000	Range 74 - 125	Recovery	=	108.60%		
19) Toluene-d8	9.428	98	26199	4.75	ug/L	0.00	
Spiked Amount	5.000	Range 88 - 111	Recovery	=	95.00%		
Target Compounds							
5) Methylene Chloride	5.213	49	241	0.07	ug/L		97
9) Chloroform	6.883	83	292m	0.08	ug/L		
10) Carbon Tetrachloride	7.051	117	451m	0.16	ug/L		

(#) = qualifier out of range (m) = manual integration (+) = signals summed

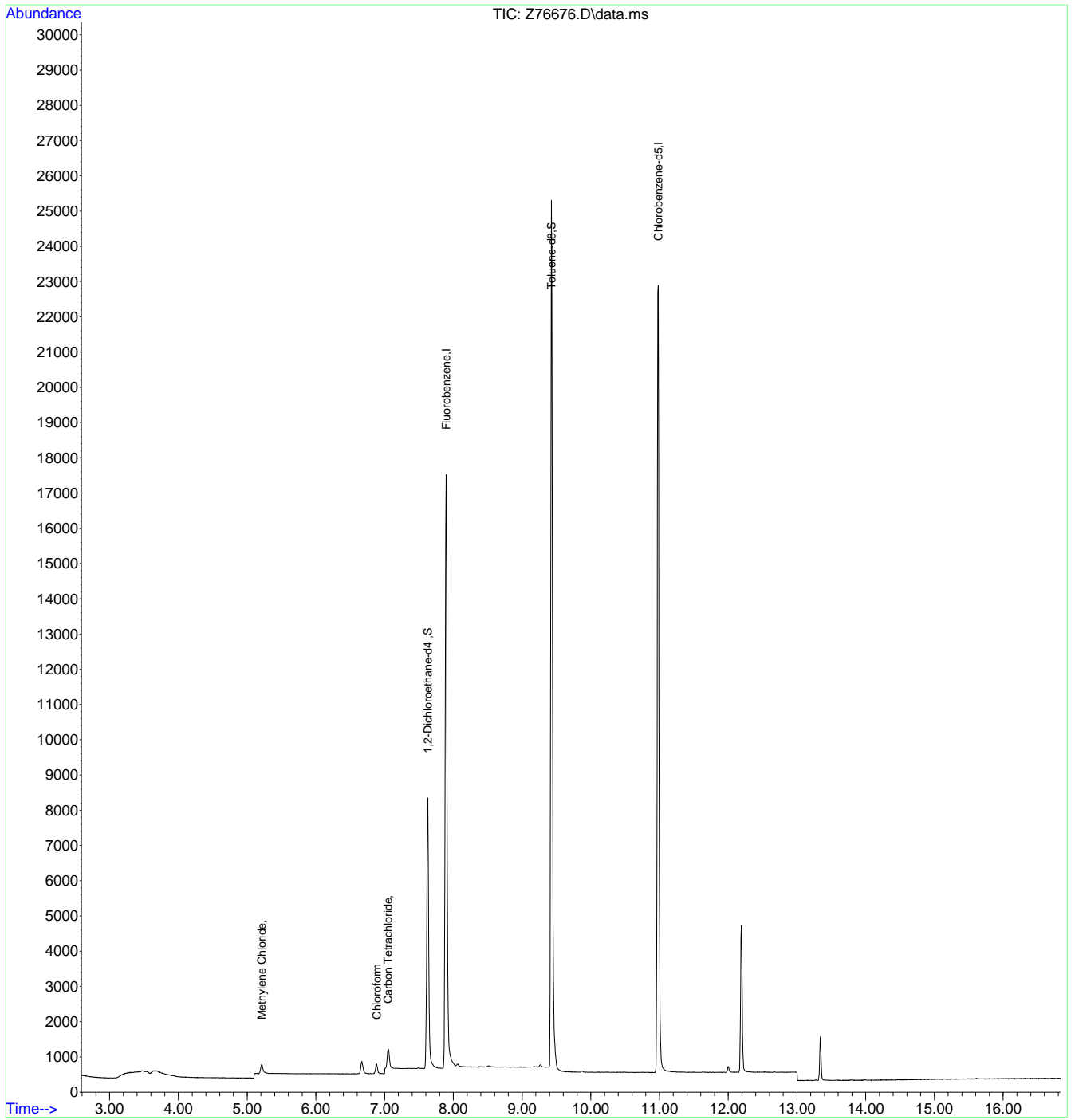
7.1.3
7

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\083024\
Data File : Z76676.D
Acq On : 30 Aug 2024 10:55 am
Operator : claudias
Sample : FC18326-3
Misc : MS57393,VZ3087,,,,,
ALS Vial : 9 Sample Multiplier: 1

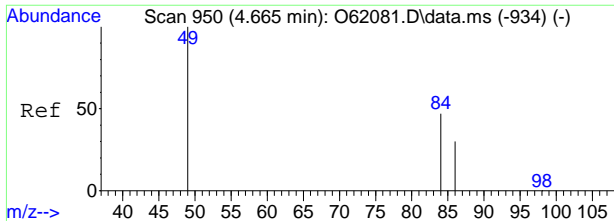
Inst : MSVOA15-Z

Quant Time: Aug 30 11:38:12 2024
Quant Method : C:\msdchem\1\methods\SIMCL-08-28-2024.M
Quant Title : Standard Methods 6200B
QLast Update : Wed Aug 28 11:30:23 2024
Response via : Initial Calibration



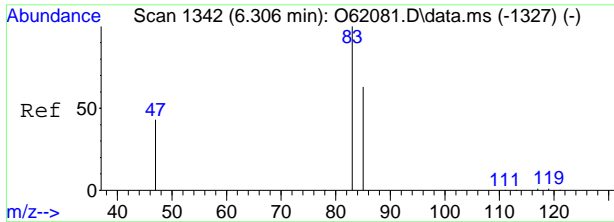
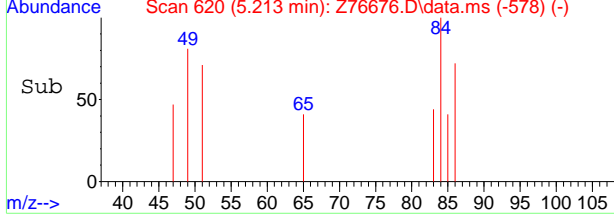
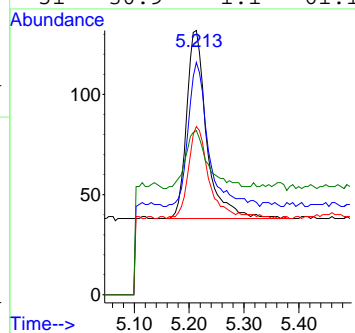
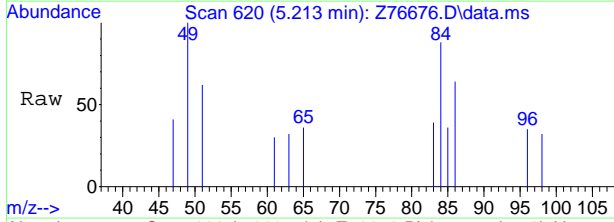
7.1.3
7





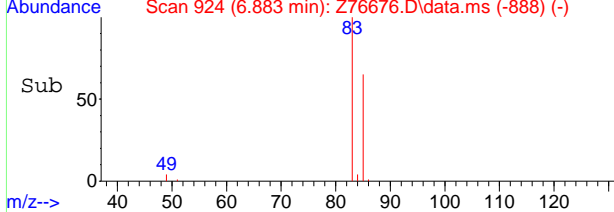
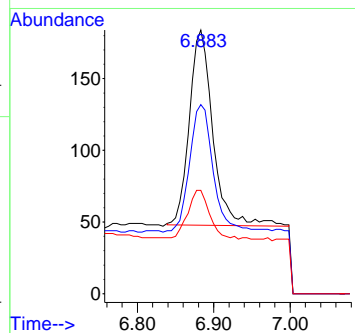
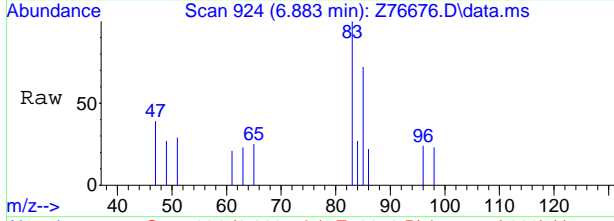
#5
 Methylene Chloride
 Concen: 0.07 ug/L
 RT: 5.213 min Scan# 620
 Delta R.T. 0.000 min
 Lab File: Z76676.D
 Acq: 30 Aug 2024 10:55 am

Tgt Ion	Ratio	Lower	Upper
49	100		
84	76.6	49.7	109.7
86	48.9	22.0	82.0
51	30.9	1.1	61.1



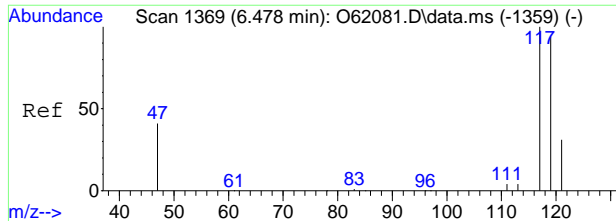
#9
 Chloroform
 Concen: 0.08 ug/L m
 RT: 6.883 min Scan# 924
 Delta R.T. -0.000 min
 Lab File: Z76676.D
 Acq: 30 Aug 2024 10:55 am

Tgt Ion	Ratio	Lower	Upper
83	100		
85	71.7	35.9	95.9
47	39.1	0.0	51.0



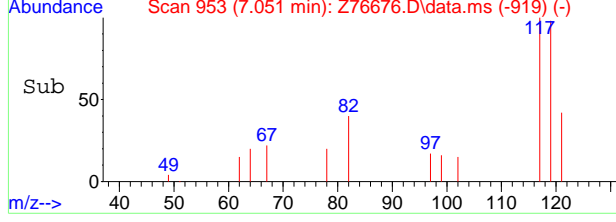
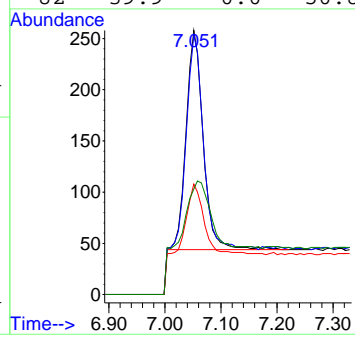
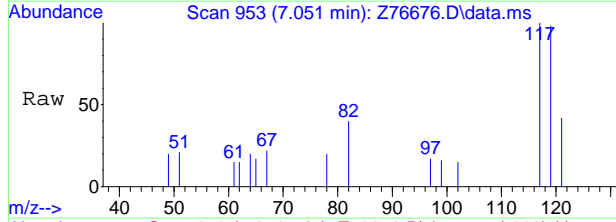
7.13
7





#10
 Carbon Tetrachloride
 Concen: 0.16 ug/L m
 RT: 7.051 min Scan# 953
 Delta R.T. -0.007 min
 Lab File: Z76676.D
 Acq: 30 Aug 2024 10:55 am

Tgt Ion	Ratio	Lower	Upper
117	100		
119	98.1	66.2	126.2
121	41.9	1.2	61.2
82	39.9	0.0	50.8



7.1.3
7



Manual Integration Approval Summary

Sample Number: FC18326-3 **Method:** SW846 8260D BY SIM
Lab FileID: Z76676.D **Analyst approved:** 09/03/24 08:25 Claudia Sosa
Injection Time: 08/30/24 10:55 **Supervisor approved:** 09/03/24 11:12 Karen Watson

Parameter	CAS	Sig#	R.T. (min.)	Reason
Chloroform	67-66-3		6.88	Poor instrument integration
Carbon Tetrachloride	56-23-5		7.05	Poor instrument integration

7.1.3.1

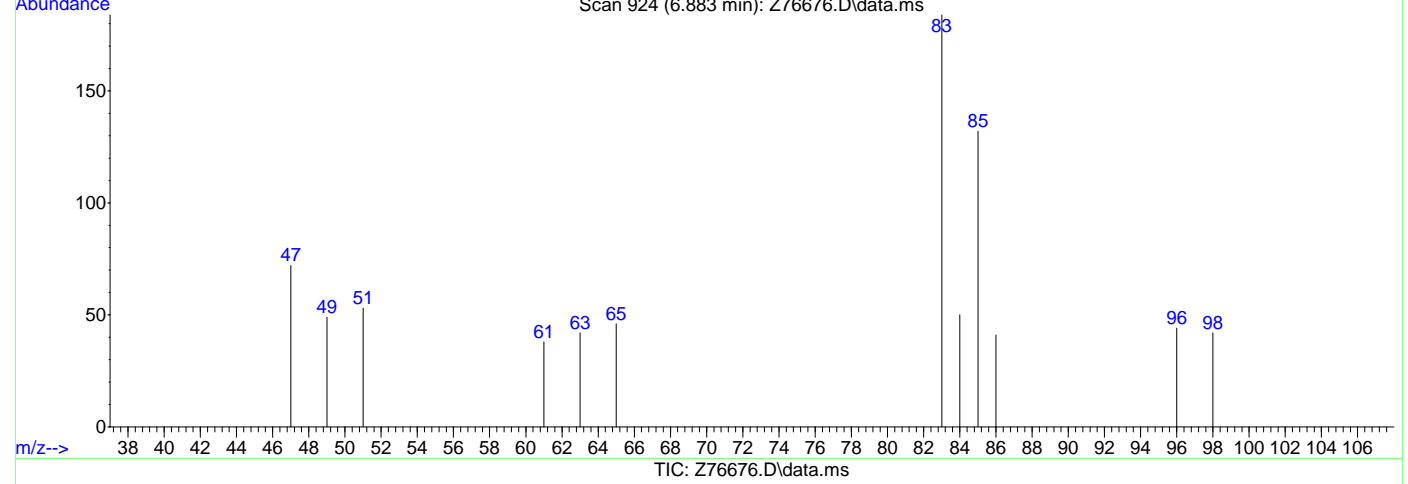
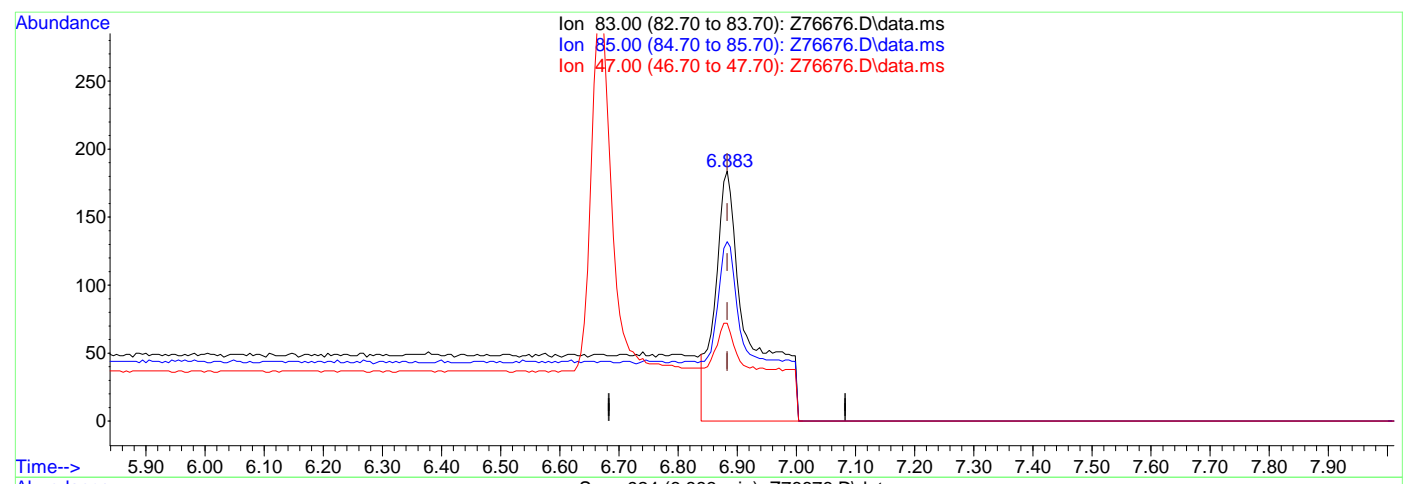
7

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\083024\
Data File : Z76676.D
Acq On : 30 Aug 2024 10:55 am
Operator : claudias
Sample : FC18326-3
Misc : MS57393,VZ3087,,,,,
ALS Vial : 9 Sample Multiplier: 1

Inst : MSVOA15-Z

Quant Time: Aug 30 11:37:11 2024
Quant Method : C:\msdchem\1\methods\SIMCL-08-28-2024.M
Quant Title : Standard Methods 6200B
QLast Update : Wed Aug 28 11:30:23 2024
Response via : Initial Calibration



(9) Chloroform

6.883min (-0.000) 0.20ug/L

response 751

Ion	Exp%	Act%
83.00	100	100
85.00	65.90	71.74
47.00	21.00	39.13
0.00	0.00	0.00



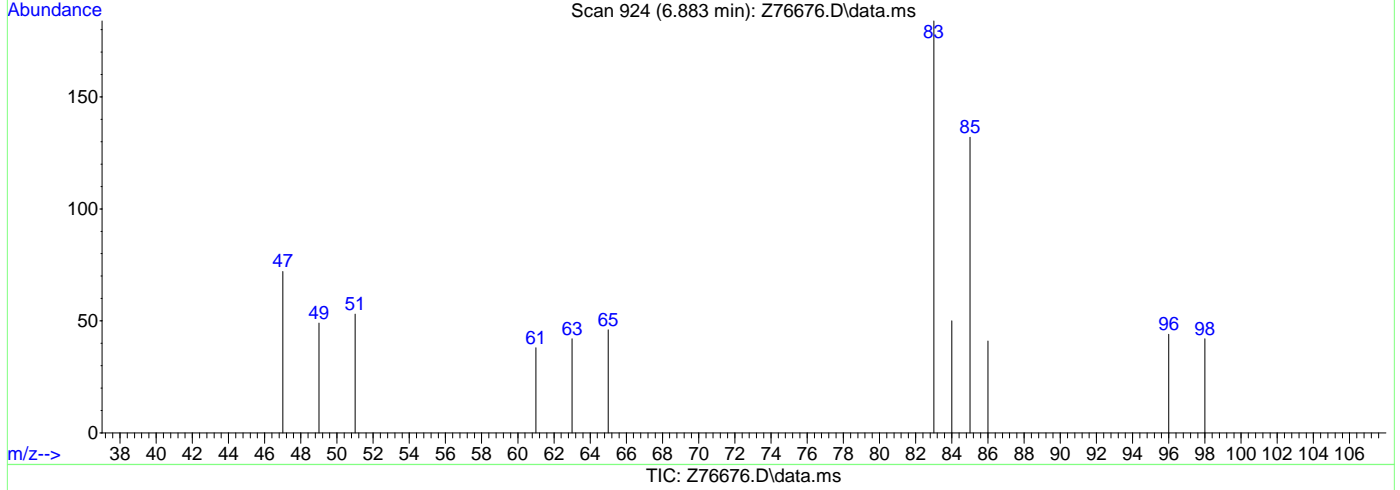
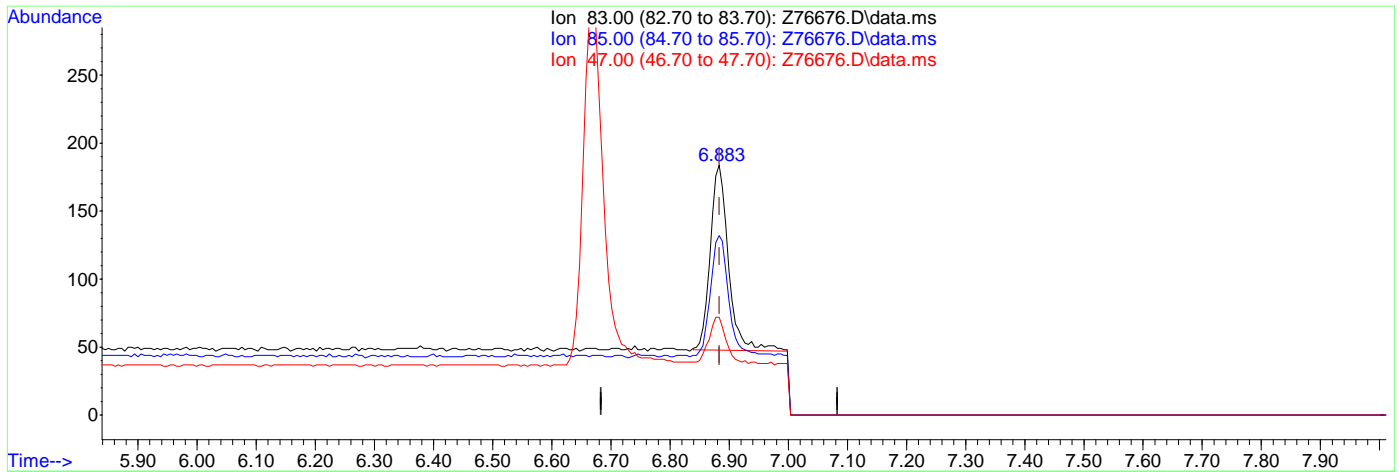
7.1.3.2
7

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\083024\
Data File : Z76676.D
Acq On : 30 Aug 2024 10:55 am
Operator : claudias
Sample : FC18326-3
Misc : MS57393,VZ3087,,,,,
ALS Vial : 9 Sample Multiplier: 1

Inst : MSVOA15-Z

Quant Time: Aug 30 11:37:11 2024
Quant Method : C:\msdchem\1\methods\SIMCL-08-28-2024.M
Quant Title : Standard Methods 6200B
QLast Update : Wed Aug 28 11:30:23 2024
Response via : Initial Calibration



(9) Chloroform

6.883min (-0.000) 0.08ug/L m

response 292

Ion	Exp%	Act%
83.00	100	100
85.00	65.90	71.74
47.00	21.00	39.13
0.00	0.00	0.00



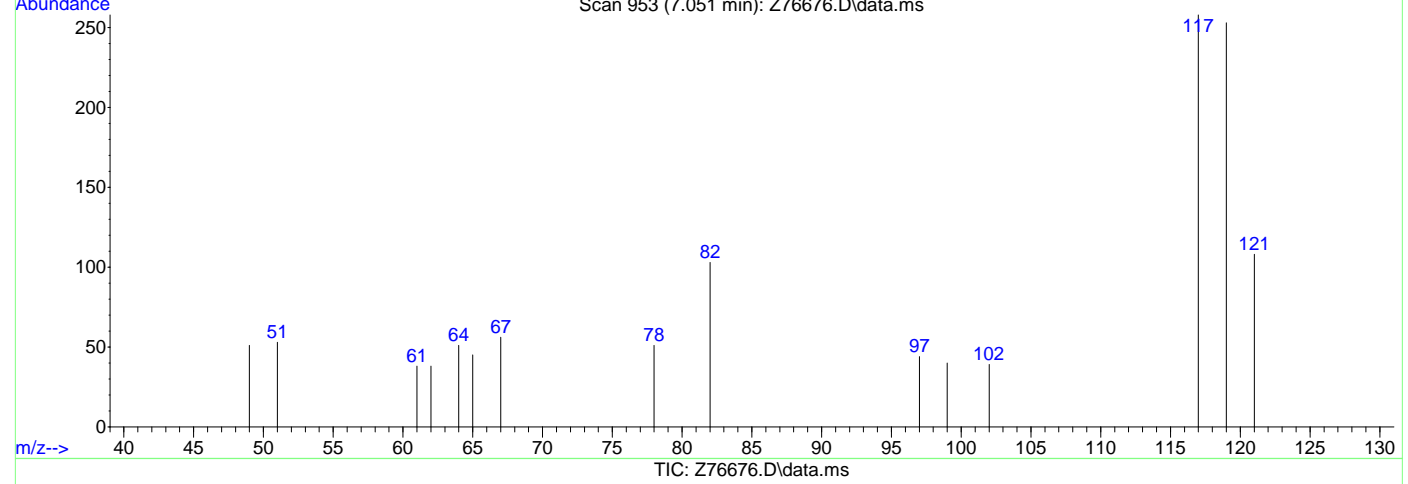
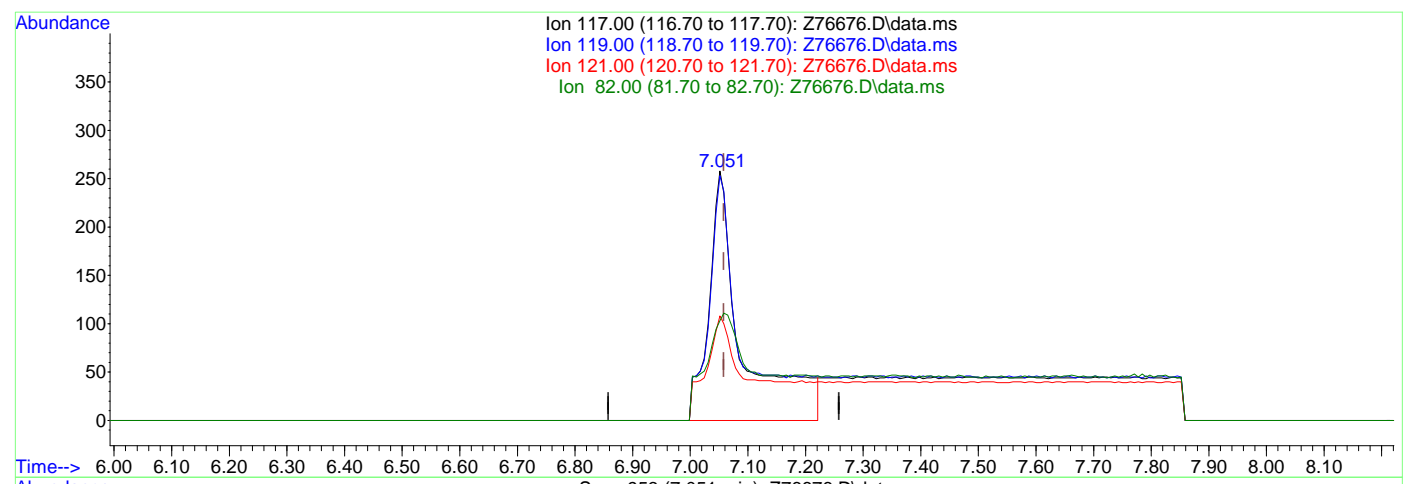
7.1.3.3
7

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\083024\
Data File : Z76676.D
Acq On : 30 Aug 2024 10:55 am
Operator : claudias
Sample : FC18326-3
Misc : MS57393,VZ3087,,,,,
ALS Vial : 9 Sample Multiplier: 1

Inst : MSVOA15-Z

Quant Time: Aug 30 11:37:11 2024
Quant Method : C:\msdchem\1\methods\SIMCL-08-28-2024.M
Quant Title : Standard Methods 6200B
QLast Update : Wed Aug 28 11:30:23 2024
Response via : Initial Calibration



(10) Carbon Tetrachloride ()

7.051min (-0.007) 0.37ug/L

response 1031

Ion	Exp%	Act%
117.00	100	100
119.00	96.20	98.06
121.00	31.20	41.86
82.00	20.80	39.92



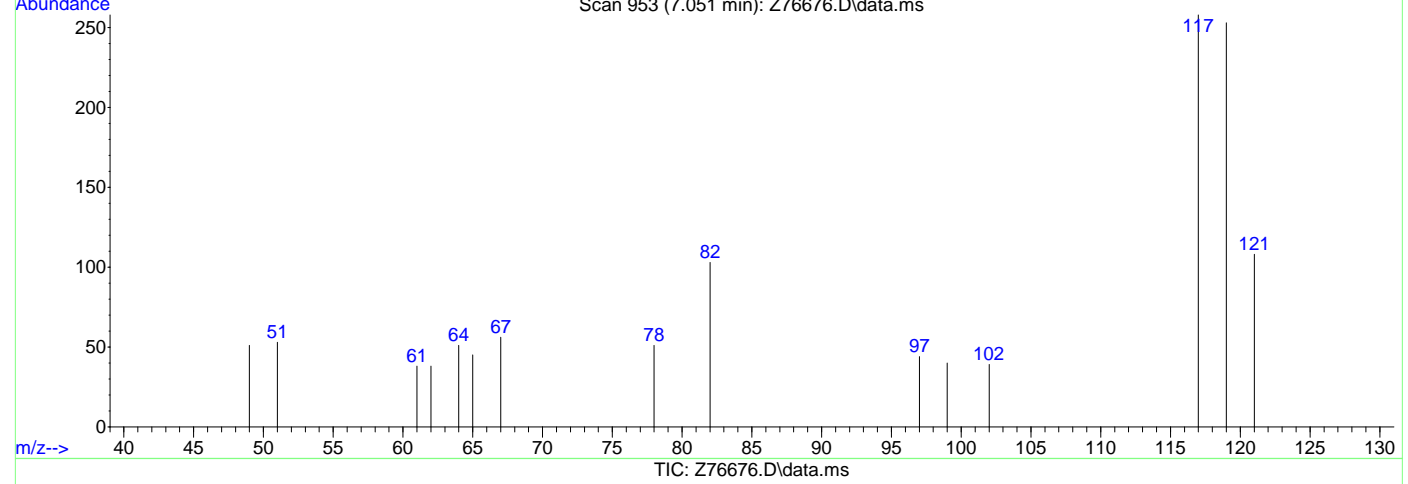
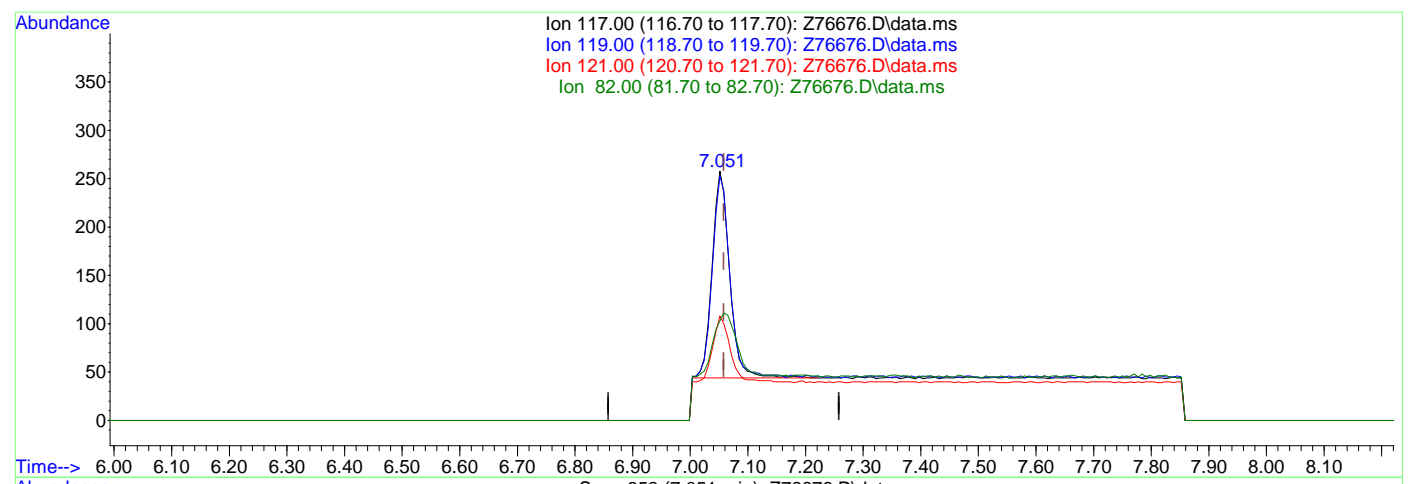
7.1.3.4
7

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\083024\
Data File : Z76676.D
Acq On : 30 Aug 2024 10:55 am
Operator : claudias
Sample : FC18326-3
Misc : MS57393,VZ3087,,,,,
ALS Vial : 9 Sample Multiplier: 1

Inst : MSVOA15-Z

Quant Time: Aug 30 11:37:11 2024
Quant Method : C:\msdchem\1\methods\SIMCL-08-28-2024.M
Quant Title : Standard Methods 6200B
QLast Update : Wed Aug 28 11:30:23 2024
Response via : Initial Calibration



(10) Carbon Tetrachloride ()

7.051min (-0.007) 0.16ug/L m

response 451

Ion	Exp%	Act%
117.00	100	100
119.00	96.20	98.06
121.00	31.20	41.86
82.00	20.80	39.92

7.1.3.5
7



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\083024\
Data File : Z76677.D
Acq On : 30 Aug 2024 11:18 am
Operator : claudias
Sample : FC18326-4
Misc : MS57393,VZ3087,,,,,
ALS Vial : 10 Sample Multiplier: 1
Inst : MSVOA15-Z

Quant Time: Aug 30 11:39:36 2024
Quant Method : C:\msdchem\1\methods\SIMCL-08-28-2024.M
Quant Title : Standard Methods 6200B
QLast Update : Wed Aug 28 11:30:23 2024
Response via : Initial Calibration

Table with 7 columns: Compound, R.T., QIon, Response, Conc, Units, Dev(Min). Rows include Internal Standards (Fluorobenzene, Chlorobenzene-d5), System Monitoring Compounds (1,2-Dichloroethane-d4, Toluene-d8), and Target Compounds (Methylene Chloride, Trichloroethene).

(#) = qualifier out of range (m) = manual integration (+) = signals summed

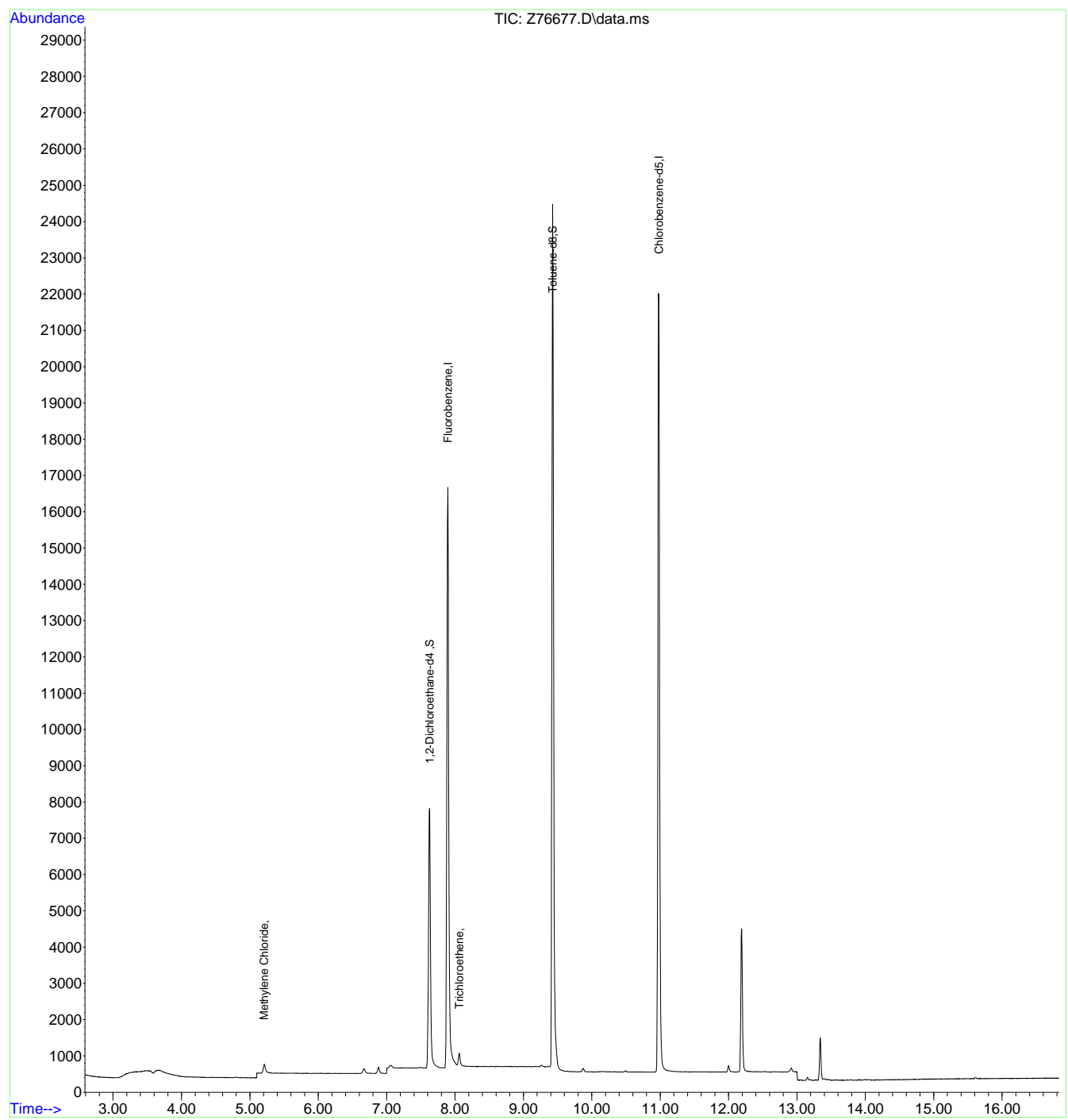
7.1.4
7

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\083024\
Data File : Z76677.D
Acq On : 30 Aug 2024 11:18 am
Operator : claudias
Sample : FC18326-4
Misc : MS57393,VZ3087,,,,,
ALS Vial : 10 Sample Multiplier: 1

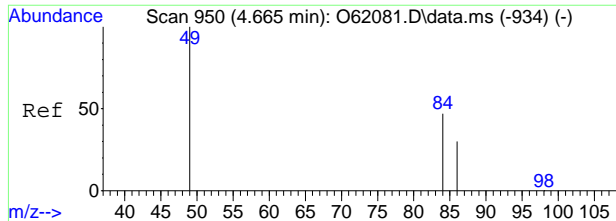
Inst : MSVOA15-Z

Quant Time: Aug 30 11:39:36 2024
Quant Method : C:\msdchem\1\methods\SIMCL-08-28-2024.M
Quant Title : Standard Methods 6200B
QLast Update : Wed Aug 28 11:30:23 2024
Response via : Initial Calibration



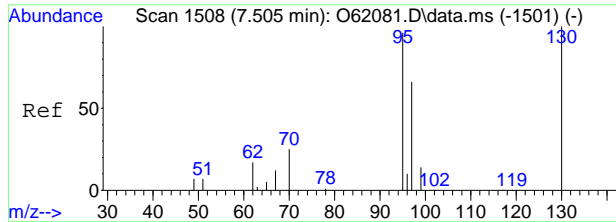
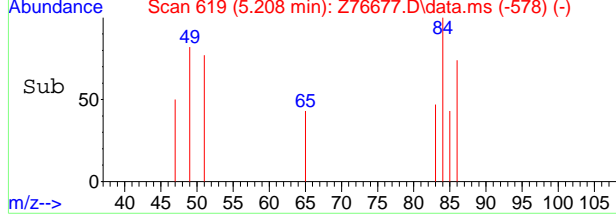
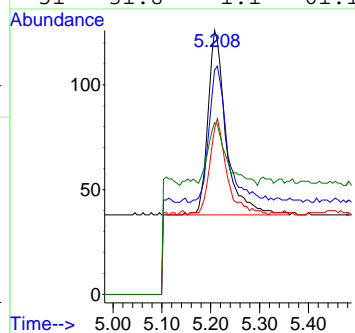
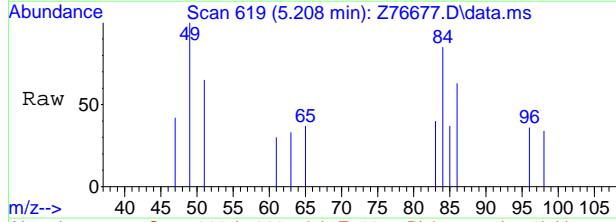
7.1.4
7





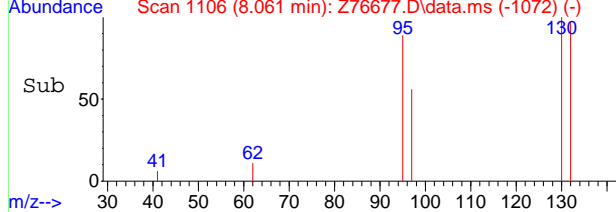
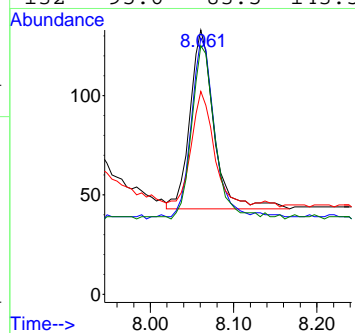
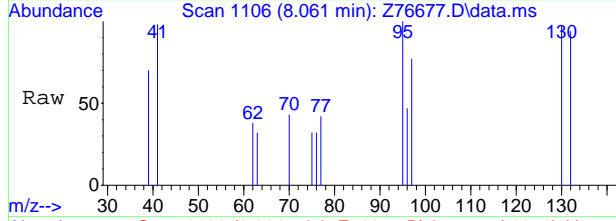
#5
 Methylene Chloride
 Concen: 0.07 ug/L
 RT: 5.208 min Scan# 619
 Delta R.T. -0.005 min
 Lab File: Z76677.D
 Acq: 30 Aug 2024 11:18 am

Tgt Ion	Ratio	Lower	Upper
49	100		
84	70.5	49.7	109.7
86	45.5	22.0	82.0
51	31.8	1.1	61.1



#15
 Trichloroethene
 Concen: 0.11 ug/L
 RT: 8.061 min Scan# 1106
 Delta R.T. -0.000 min
 Lab File: Z76677.D
 Acq: 30 Aug 2024 11:18 am

Tgt Ion	Ratio	Lower	Upper
95	100		
130	100.0	84.5	144.5
97	63.3	36.4	96.4
132	95.6	83.5	143.5



7.14
7



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\083024\
Data File : Z76678.D
Acq On : 30 Aug 2024 11:41 am
Operator : claudias
Sample : FC18326-5 Inst : MSVOA15-Z
Misc : MS57393,VZ3087,,,,,
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Aug 30 12:04:33 2024
Quant Method : C:\msdchem\1\methods\SIMCL-08-28-2024.M
Quant Title : Standard Methods 6200B
QLast Update : Wed Aug 28 11:30:23 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	Qvalue

Internal Standards							
1) Fluorobenzene	7.894	96	20681	5.00	ug/L	0.00	
18) Chlorobenzene-d5	10.980	117	23782	5.00	ug/L	0.00	
System Monitoring Compounds							
13) 1,2-Dichloroethane-d4	7.628	65	6699	5.35	ug/L	0.00	
Spiked Amount	5.000	Range 74 - 125	Recovery	=	107.00%		
19) Toluene-d8	9.428	98	25351	4.78	ug/L	0.00	
Spiked Amount	5.000	Range 88 - 111	Recovery	=	95.60%		
Target Compounds							
5) Methylene Chloride	5.208	49	241	0.08	ug/L	97	
8) cis-1,2-Dichloroethene	6.625	96	148	0.07	ug/L	93	
9) Chloroform	6.883	83	734m	0.20	ug/L		
15) Trichloroethene	8.060	95	356	0.21	ug/L	89	

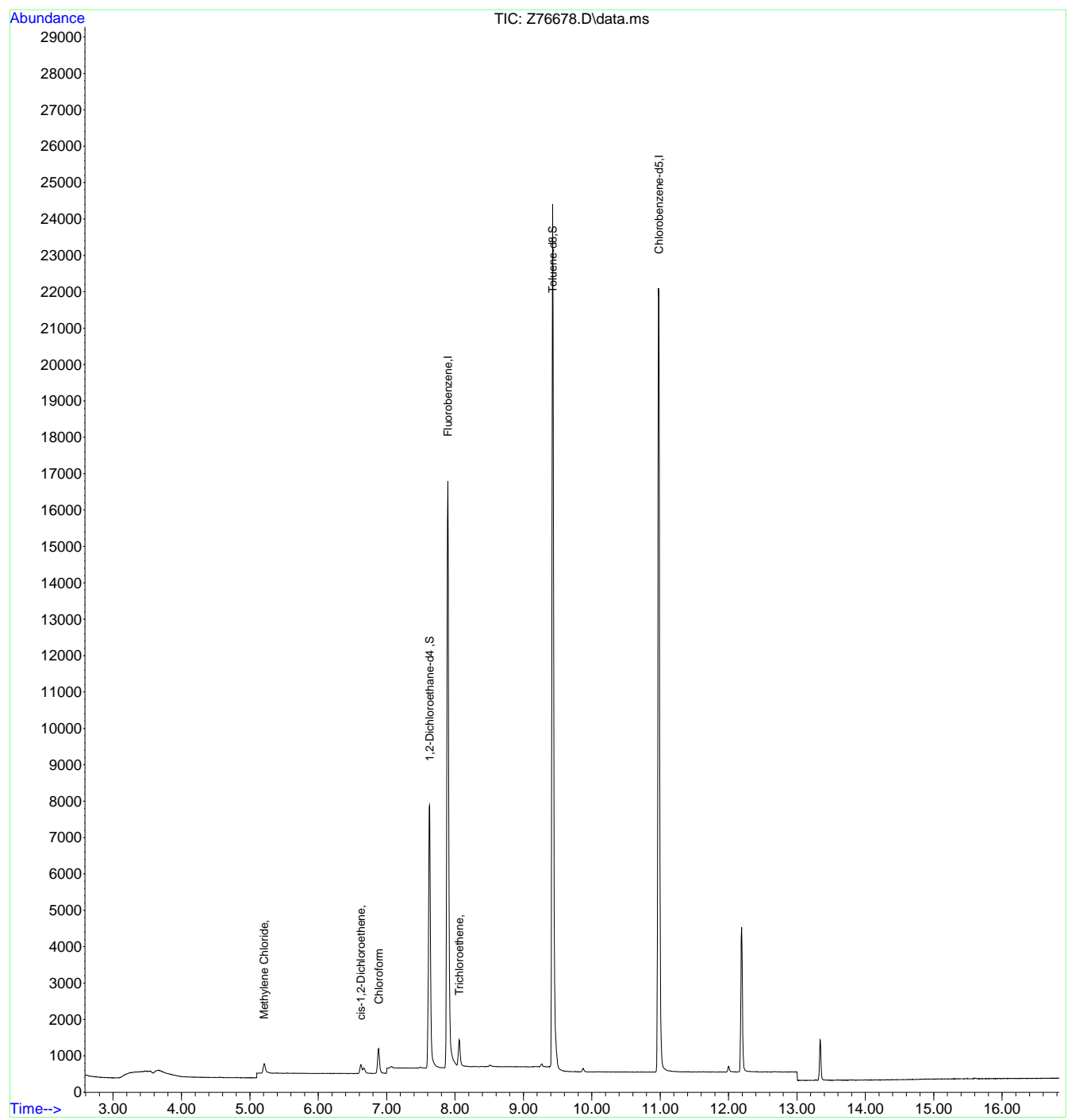
(#) = qualifier out of range (m) = manual integration (+) = signals summed

7.15
7

Quantitation Report (QT Reviewed)

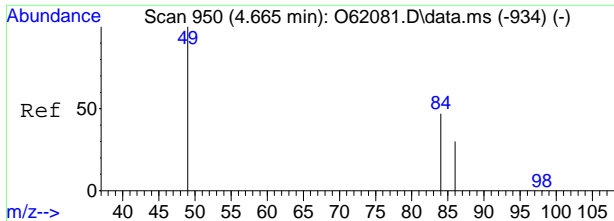
Data Path : C:\msdchem\1\data\083024\
Data File : Z76678.D
Acq On : 30 Aug 2024 11:41 am
Operator : claudias
Sample : FC18326-5 Inst : MSVOA15-Z
Misc : MS57393,VZ3087,,,,,
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Aug 30 12:04:33 2024
Quant Method : C:\msdchem\1\methods\SIMCL-08-28-2024.M
Quant Title : Standard Methods 6200B
QLast Update : Wed Aug 28 11:30:23 2024
Response via : Initial Calibration



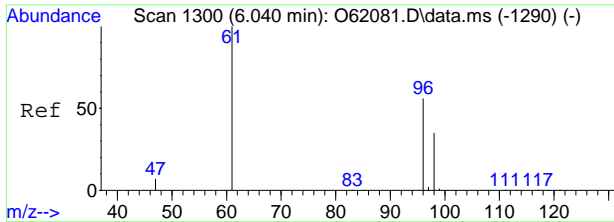
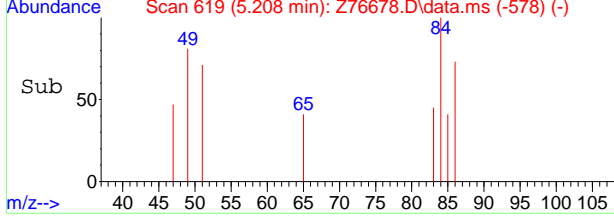
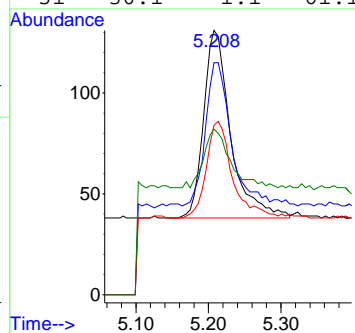
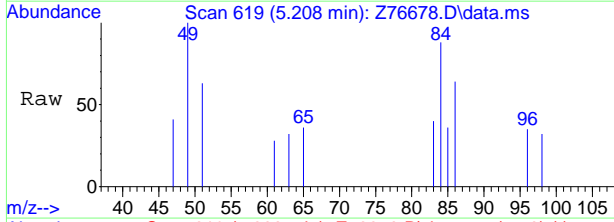
7.15
7





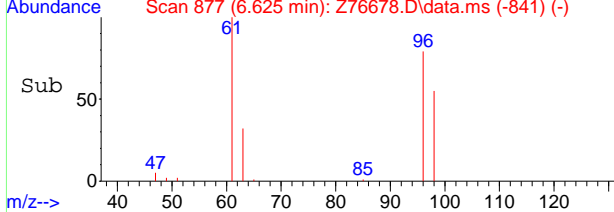
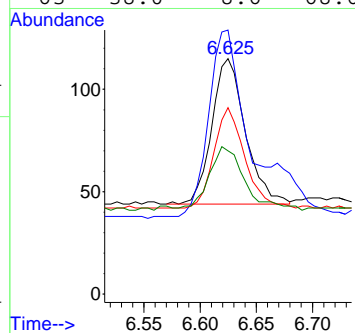
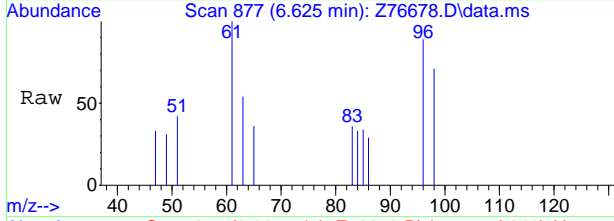
#5
 Methylene Chloride
 Concen: 0.08 ug/L
 RT: 5.208 min Scan# 619
 Delta R.T. -0.005 min
 Lab File: Z76678.D
 Acq: 30 Aug 2024 11:41 am

Tgt Ion	Ratio	Lower	Upper
49	100		
84	76.3	49.7	109.7
86	49.5	22.0	82.0
51	30.1	1.1	61.1



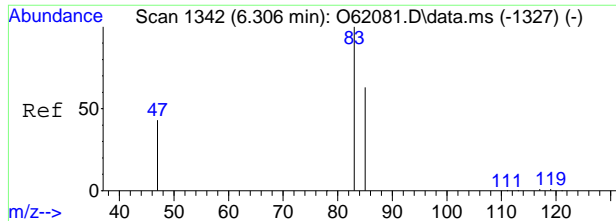
#8
 cis-1,2-Dichloroethene
 Concen: 0.07 ug/L
 RT: 6.625 min Scan# 877
 Delta R.T. -0.000 min
 Lab File: Z76678.D
 Acq: 30 Aug 2024 11:41 am

Tgt Ion	Ratio	Lower	Upper
96	100		
61	128.2	87.8	147.8
98	69.0	34.4	94.4
63	38.0	8.6	68.6



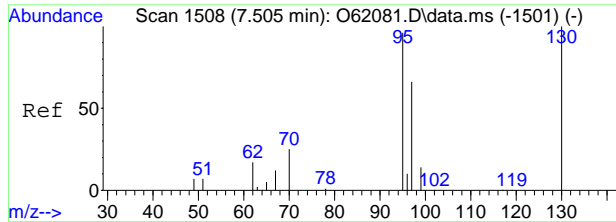
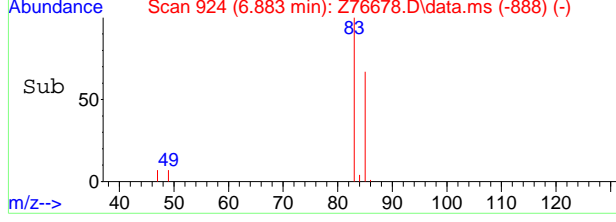
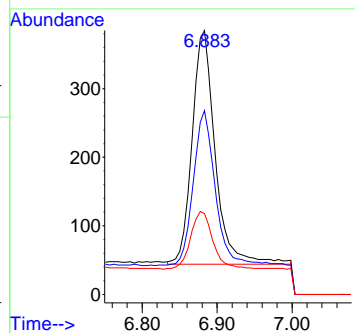
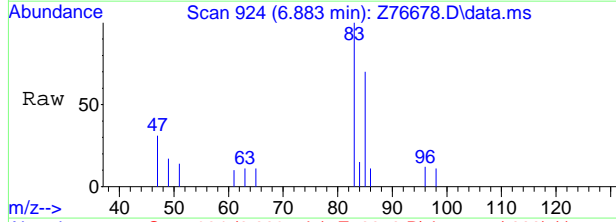
7.15
7





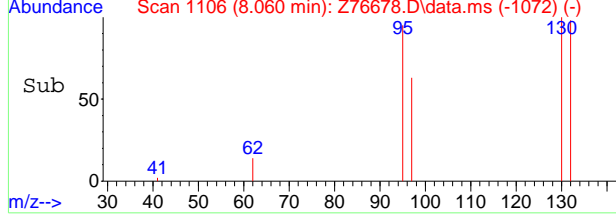
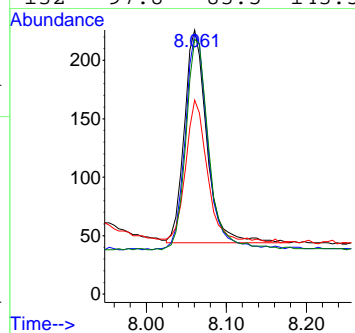
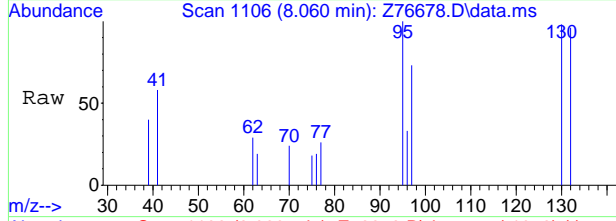
#9
 Chloroform
 Concen: 0.20 ug/L m
 RT: 6.883 min Scan# 924
 Delta R.T. -0.000 min
 Lab File: Z76678.D
 Acq: 30 Aug 2024 11:41 am

Tgt Ion	Resp	Lower	Upper
83	734		
85	69.6	35.9	95.9
47	30.6	0.0	51.0



#15
 Trichloroethene
 Concen: 0.21 ug/L
 RT: 8.060 min Scan# 1106
 Delta R.T. -0.001 min
 Lab File: Z76678.D
 Acq: 30 Aug 2024 11:41 am

Tgt Ion	Resp	Lower	Upper
95	356		
130	100.0	84.5	144.5
97	66.5	36.4	96.4
132	97.8	83.5	143.5



7.15
7



Manual Integration Approval Summary

Sample Number: FC18326-5 **Method:** SW846 8260D BY SIM
Lab FileID: Z76678.D **Analyst approved:** 09/03/24 08:25 Claudia Sosa
Injection Time: 08/30/24 11:41 **Supervisor approved:** 09/03/24 11:12 Karen Watson

Parameter	CAS	Sig#	R.T. (min.)	Reason
Chloroform	67-66-3		6.88	Poor instrument integration

7.1.5.1

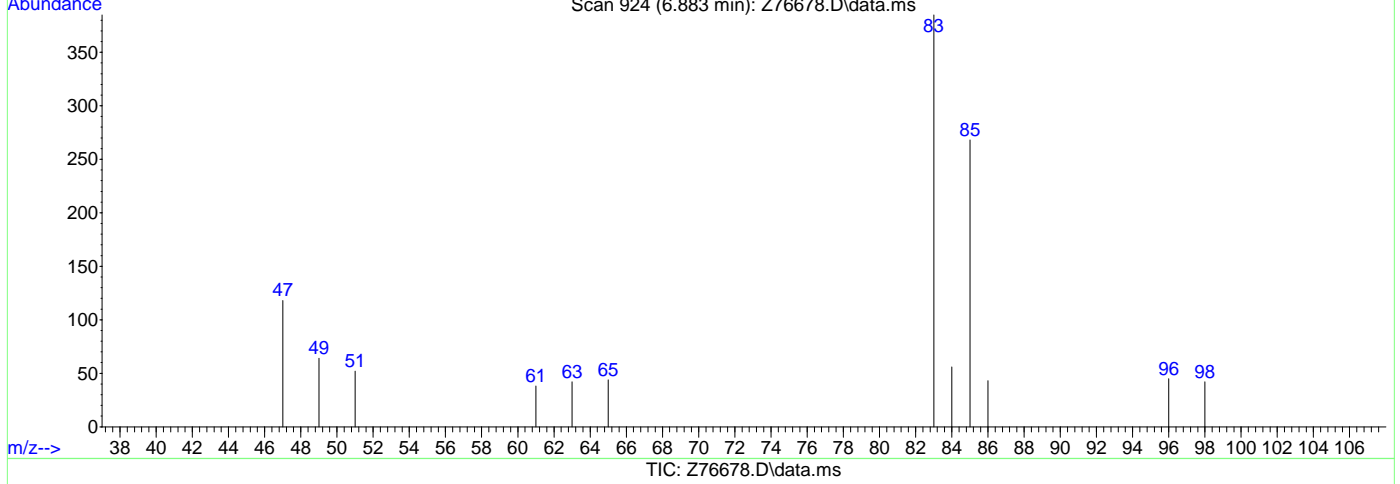
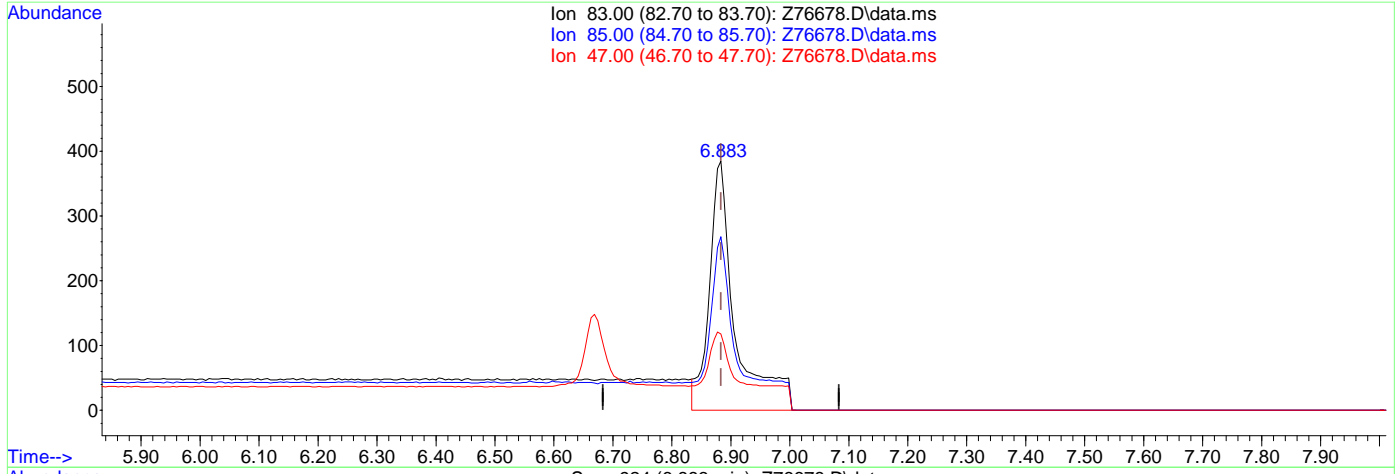
7

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\083024\
Data File : Z76678.D
Acq On : 30 Aug 2024 11:41 am
Operator : claudias
Sample : FC18326-5
Misc : MS57393,VZ3087,,,,,
ALS Vial : 11 Sample Multiplier: 1

Inst : MSVOA15-Z

Quant Time: Aug 30 12:02:55 2024
Quant Method : C:\msdchem\1\methods\SIMCL-08-28-2024.M
Quant Title : Standard Methods 6200B
QLast Update : Wed Aug 28 11:30:23 2024
Response via : Initial Calibration



(9) Chloroform

6.883min (-0.000) 0.32ug/L

response 1177

Ion	Exp%	Act%
83.00	100	100
85.00	65.90	69.61
47.00	21.00	30.65
0.00	0.00	0.00



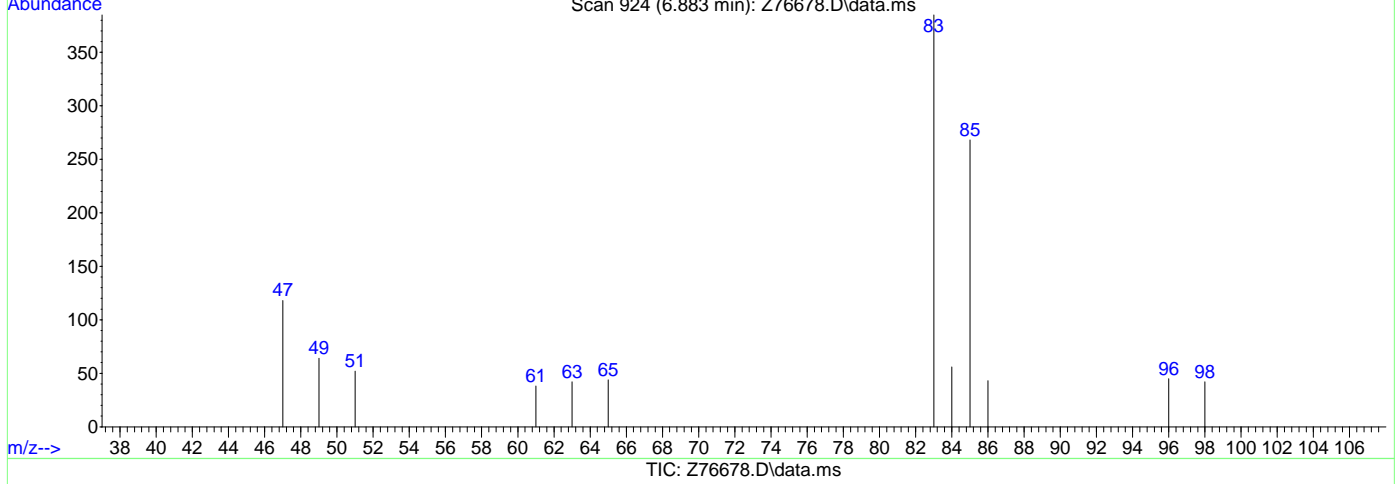
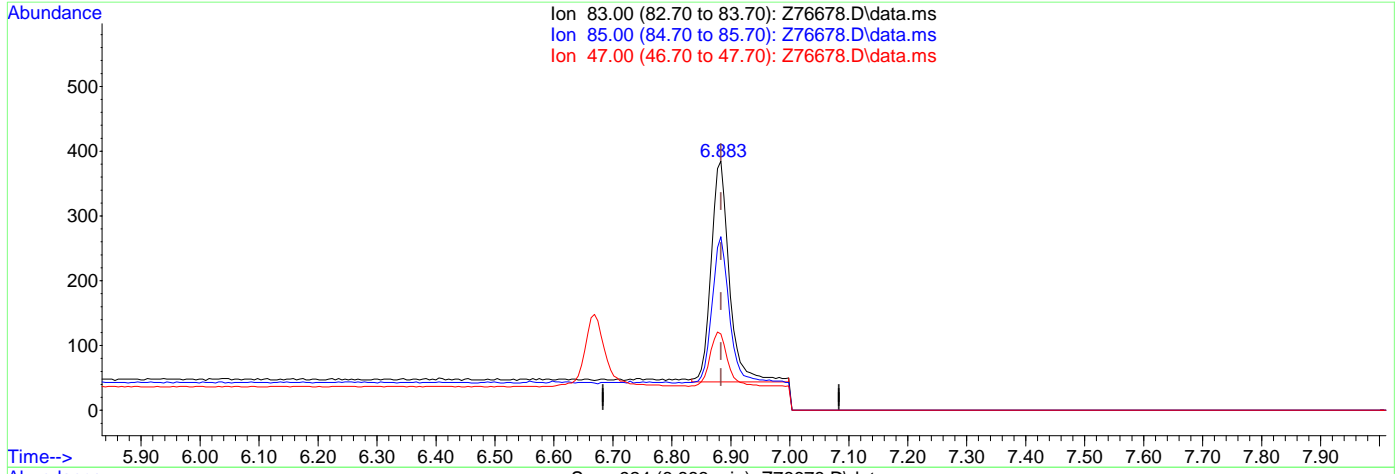
7.1.5.2
7

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\083024\
Data File : Z76678.D
Acq On : 30 Aug 2024 11:41 am
Operator : claudias
Sample : FC18326-5
Misc : MS57393,VZ3087,,,,,
ALS Vial : 11 Sample Multiplier: 1

Inst : MSVOA15-Z

Quant Time: Aug 30 12:02:55 2024
Quant Method : C:\msdchem\1\methods\SIMCL-08-28-2024.M
Quant Title : Standard Methods 6200B
QLast Update : Wed Aug 28 11:30:23 2024
Response via : Initial Calibration



(9) Chloroform

6.883min (-0.000) 0.20ug/L m

response 734

Ion	Exp%	Act%
83.00	100	100
85.00	65.90	69.61
47.00	21.00	30.65
0.00	0.00	0.00



7.1.5.3
7

Manual Integrations
APPROVED
 (compounds with "m" flag)
 Karen Watson
 09/03/24 11:12

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\083024\
 Data File : Z76679.D
 Acq On : 30 Aug 2024 12:03 pm
 Operator : claudias
 Sample : FC18326-6 Inst : MSVOA15-Z
 Misc : MS57393,VZ3087,,,,,
 ALS Vial : 12 Sample Multiplier: 1

Quant Time: Aug 30 12:44:34 2024
 Quant Method : C:\msdchem\1\methods\SIMCL-08-28-2024.M
 Quant Title : Standard Methods 6200B
 QLast Update : Wed Aug 28 11:30:23 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	Qvalue

Internal Standards							
1) Fluorobenzene	7.894	96	20267	5.00	ug/L	0.00	
18) Chlorobenzene-d5	10.980	117	23432	5.00	ug/L	0.00	
System Monitoring Compounds							
13) 1,2-Dichloroethane-d4	7.621	65	6685	5.44	ug/L	0.00	
Spiked Amount	5.000	Range 74 - 125	Recovery	=	108.80%		
19) Toluene-d8	9.428	98	25073	4.80	ug/L	0.00	
Spiked Amount	5.000	Range 88 - 111	Recovery	=	96.00%		
Target Compounds							
5) Methylene Chloride	5.208	49	217	0.07	ug/L		94
9) Chloroform	6.877	83	154m	0.04	ug/L		
10) Carbon Tetrachloride	7.051	117	352m	0.13	ug/L		

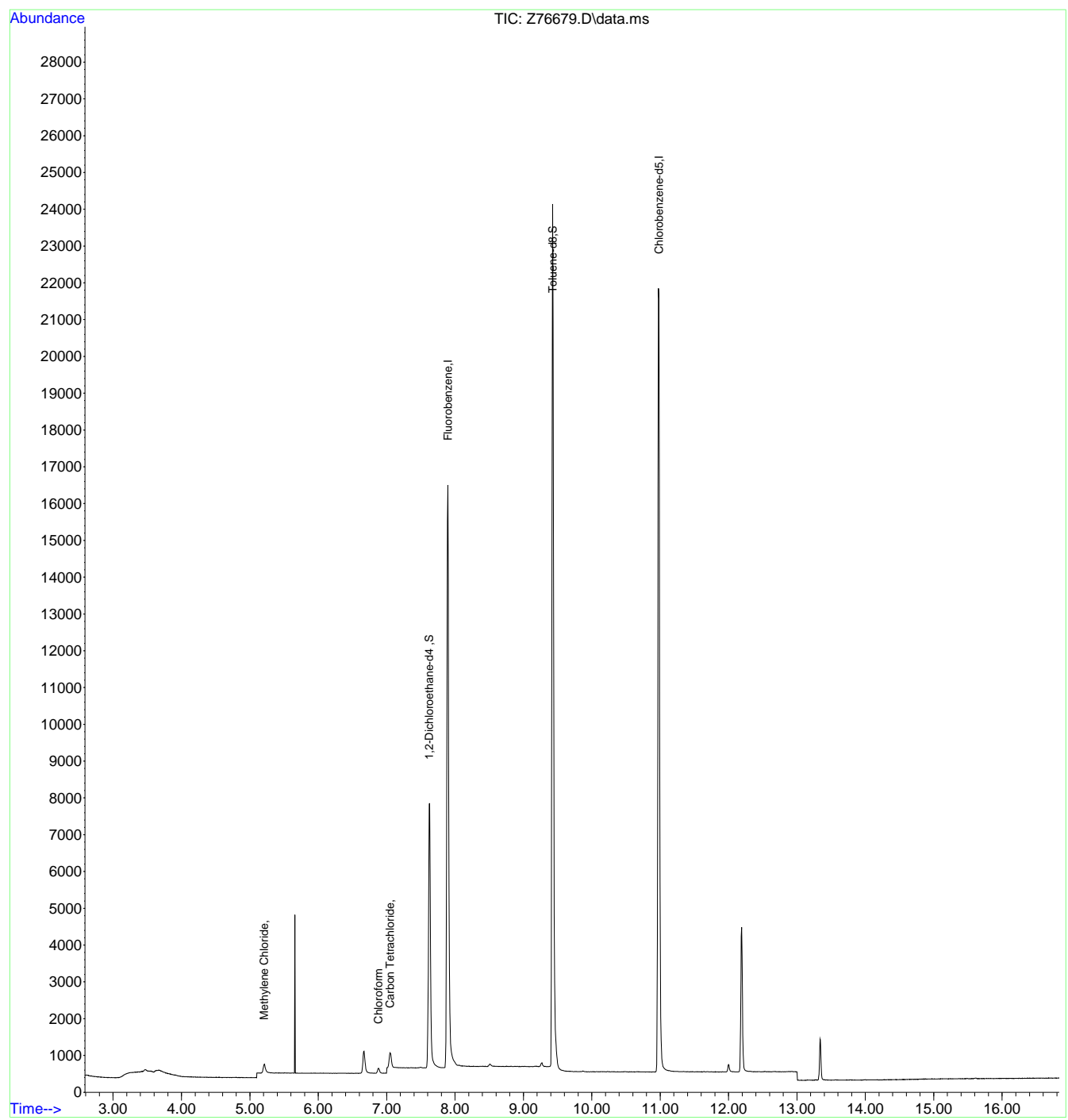
(#) = qualifier out of range (m) = manual integration (+) = signals summed

7.1.6
7

Quantitation Report (QT Reviewed)

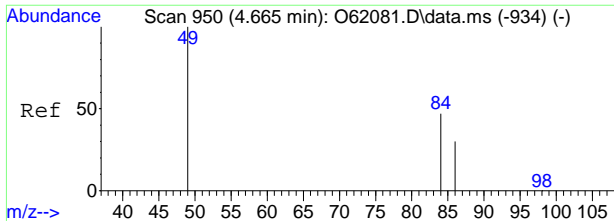
Data Path : C:\msdchem\1\data\083024\
Data File : Z76679.D
Acq On : 30 Aug 2024 12:03 pm
Operator : claudias
Sample : FC18326-6 Inst : MSVOA15-Z
Misc : MS57393,VZ3087,,,,,
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Aug 30 12:44:34 2024
Quant Method : C:\msdchem\1\methods\SIMCL-08-28-2024.M
Quant Title : Standard Methods 6200B
QLast Update : Wed Aug 28 11:30:23 2024
Response via : Initial Calibration



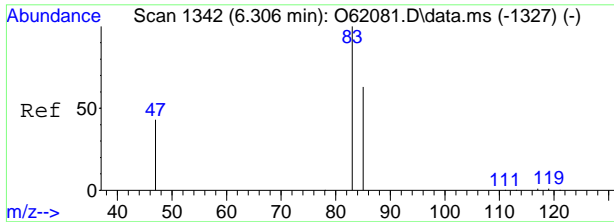
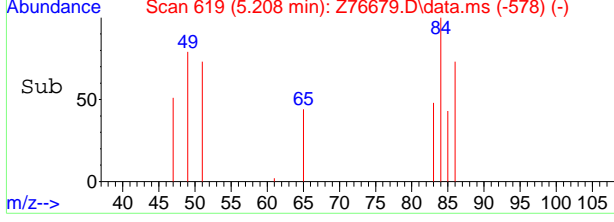
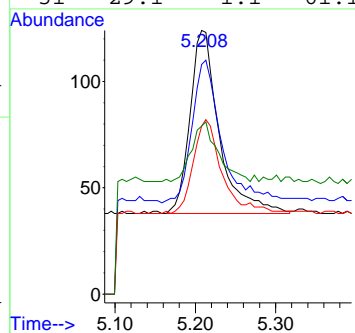
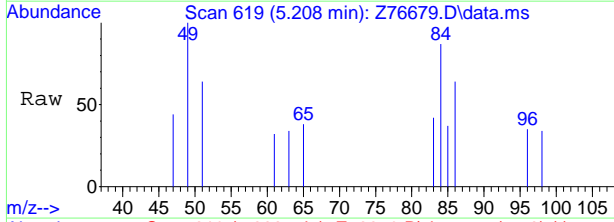
7.1.6
7





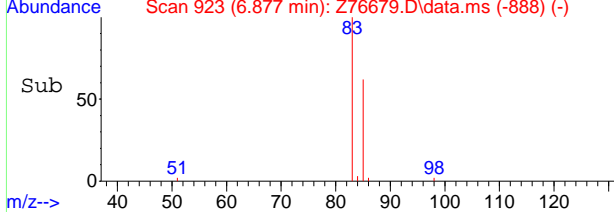
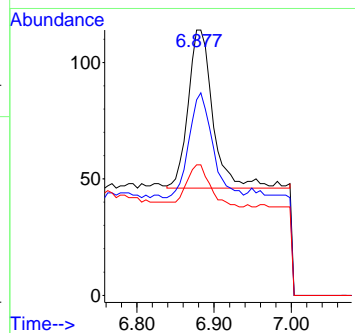
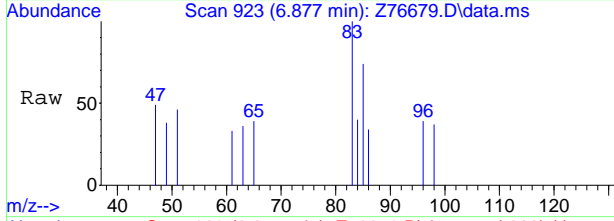
#5
 Methylene Chloride
 Concen: 0.07 ug/L
 RT: 5.208 min Scan# 619
 Delta R.T. -0.005 min
 Lab File: Z76679.D
 Acq: 30 Aug 2024 12:03 pm

Tgt Ion	Ratio	Lower	Upper
49	100		
84	74.4	49.7	109.7
86	46.5	22.0	82.0
51	29.1	1.1	61.1



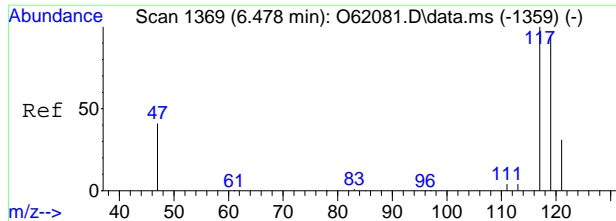
#9
 Chloroform
 Concen: 0.04 ug/L m
 RT: 6.877 min Scan# 923
 Delta R.T. -0.006 min
 Lab File: Z76679.D
 Acq: 30 Aug 2024 12:03 pm

Tgt Ion	Ratio	Lower	Upper
83	100		
85	73.7	35.9	95.9
47	49.1	0.0	51.0



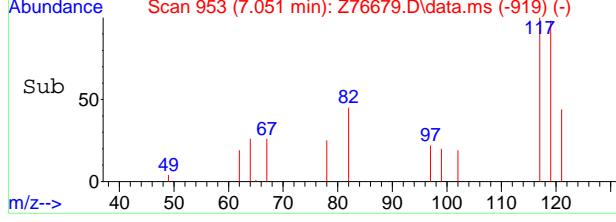
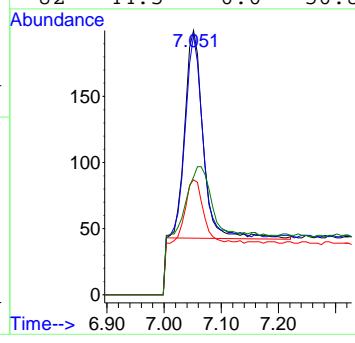
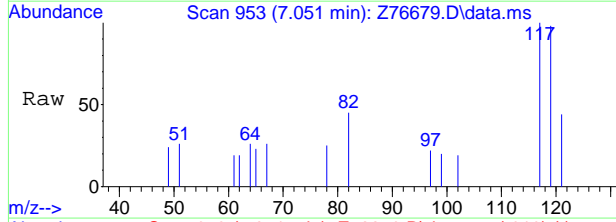
7.1.6





#10
 Carbon Tetrachloride
 Concen: 0.13 ug/L m
 RT: 7.051 min Scan# 953
 Delta R.T. -0.007 min
 Lab File: Z76679.D
 Acq: 30 Aug 2024 12:03 pm

Tgt Ion	Ratio	Lower	Upper
117	100		
119	98.0	66.2	126.2
121	43.5	1.2	61.2
82	44.5	0.0	50.8



7.1.6
7



Manual Integration Approval Summary

Sample Number: FC18326-6 **Method:** SW846 8260D BY SIM
Lab FileID: Z76679.D **Analyst approved:** 09/03/24 08:25 Claudia Sosa
Injection Time: 08/30/24 12:03 **Supervisor approved:** 09/03/24 11:12 Karen Watson

Parameter	CAS	Sig#	R.T. (min.)	Reason
Chloroform	67-66-3		6.88	Poor instrument integration
Carbon Tetrachloride	56-23-5		7.05	Poor instrument integration

7.1.6.1

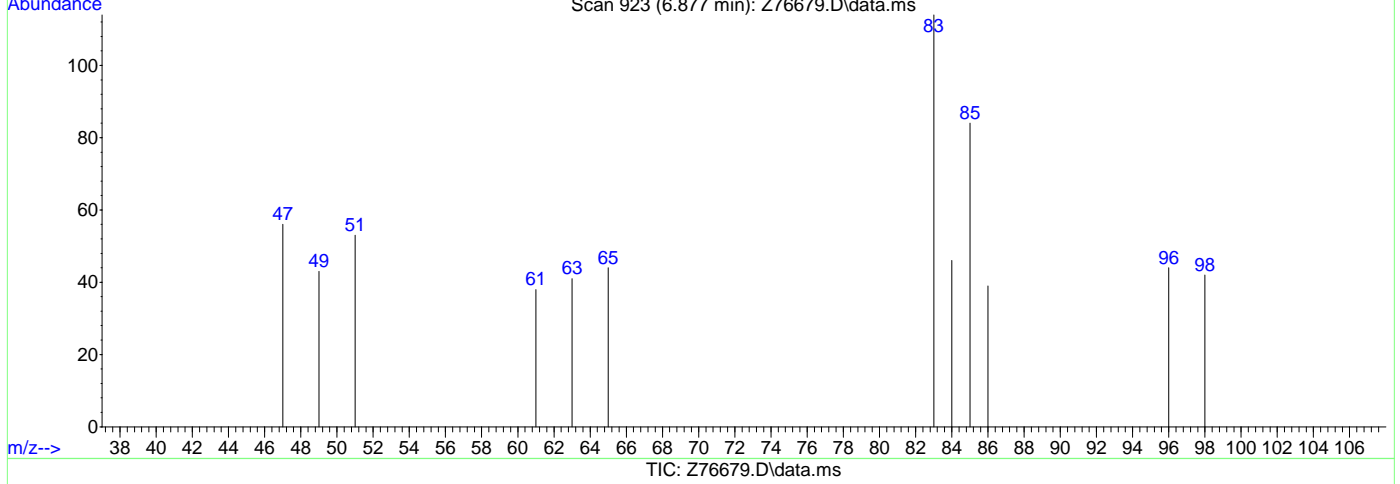
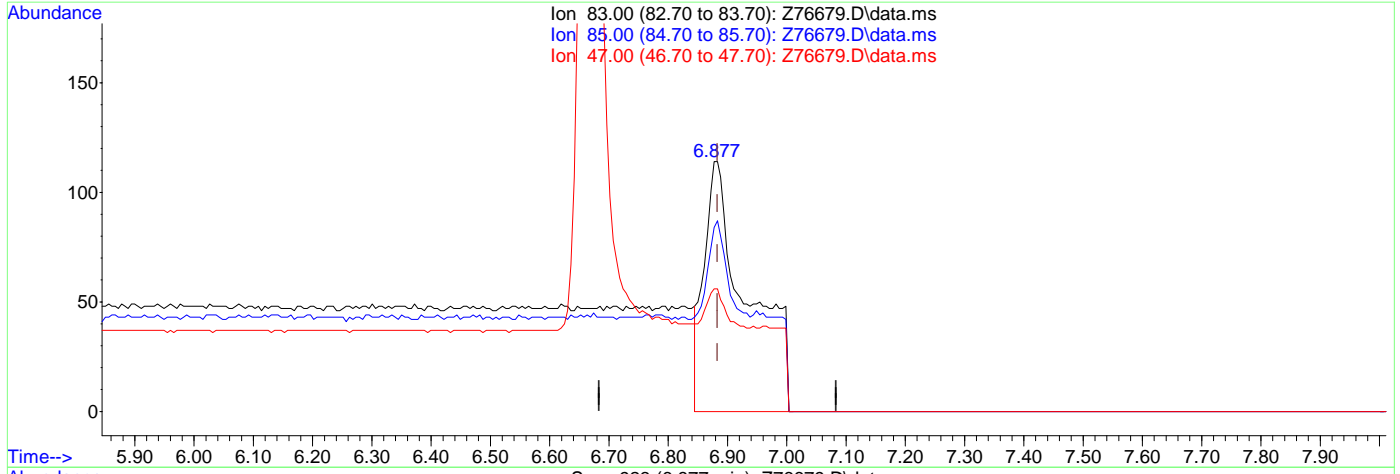
7

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\083024\
Data File : Z76679.D
Acq On : 30 Aug 2024 12:03 pm
Operator : claudias
Sample : FC18326-6
Misc : MS57393,VZ3087,,,,,
ALS Vial : 12 Sample Multiplier: 1

Inst : MSVOA15-Z

Quant Time: Aug 30 12:43:37 2024
Quant Method : C:\msdchem\1\methods\SIMCL-08-28-2024.M
Quant Title : Standard Methods 6200B
QLast Update : Wed Aug 28 11:30:23 2024
Response via : Initial Calibration



(9) Chloroform

6.877min (-0.006) 0.16ug/L

response 582

Ion	Exp%	Act%
83.00	100	100
85.00	65.90	73.68
47.00	21.00	49.12
0.00	0.00	0.00



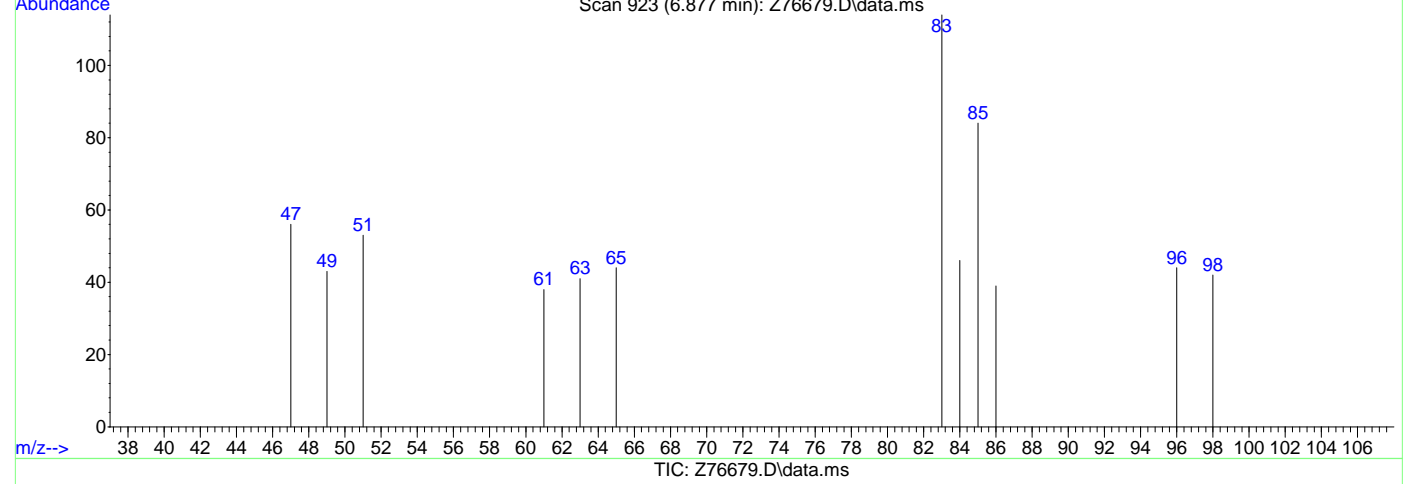
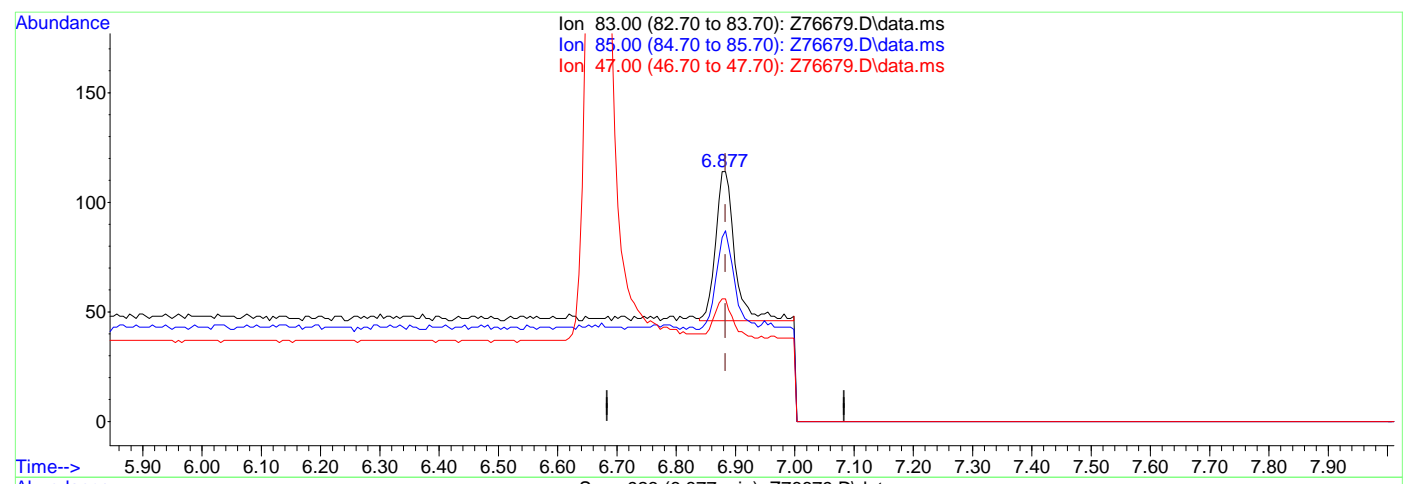
7.1.6.2
7

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\083024\
Data File : Z76679.D
Acq On : 30 Aug 2024 12:03 pm
Operator : claudias
Sample : FC18326-6
Misc : MS57393,VZ3087,,,,,
ALS Vial : 12 Sample Multiplier: 1

Inst : MSVOA15-Z

Quant Time: Aug 30 12:43:37 2024
Quant Method : C:\msdchem\1\methods\SIMCL-08-28-2024.M
Quant Title : Standard Methods 6200B
QLast Update : Wed Aug 28 11:30:23 2024
Response via : Initial Calibration



(9) Chloroform

6.877min (-0.006) 0.04ug/L m

response 154

Ion	Exp%	Act%
83.00	100	100
85.00	65.90	73.68
47.00	21.00	49.12
0.00	0.00	0.00



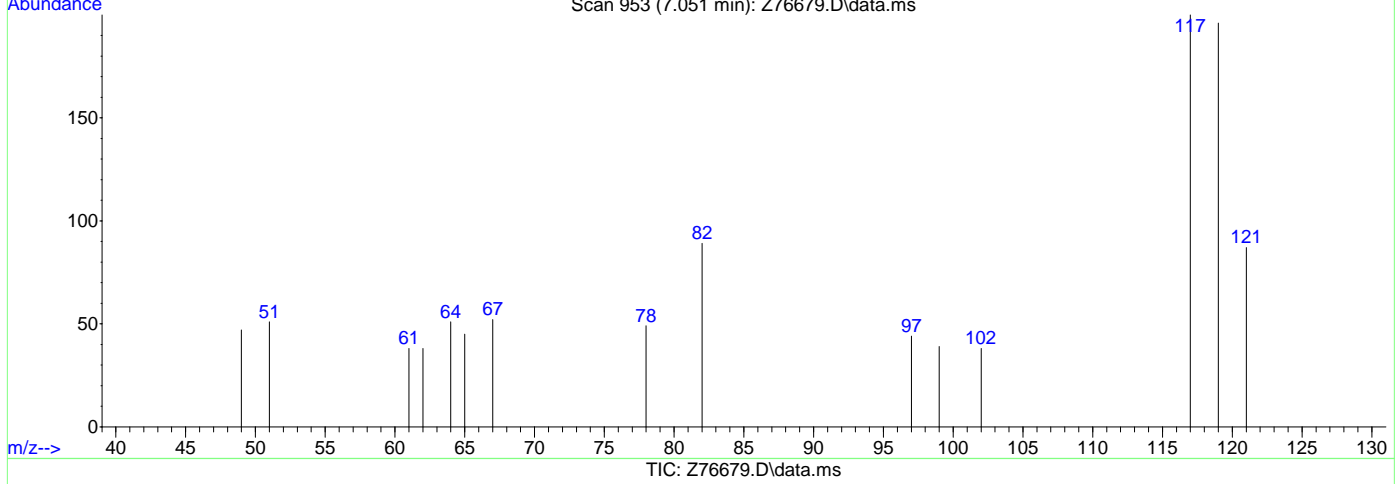
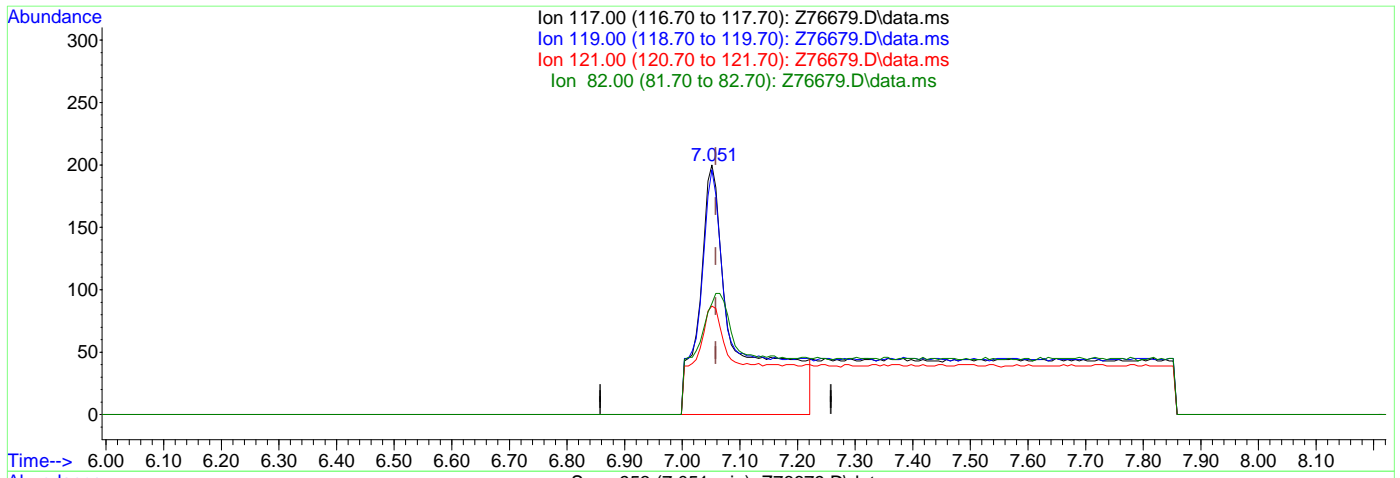
7.1.6.3
7

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\083024\
Data File : Z76679.D
Acq On : 30 Aug 2024 12:03 pm
Operator : claudias
Sample : FC18326-6
Misc : MS57393,VZ3087,,,,,
ALS Vial : 12 Sample Multiplier: 1

Inst : MSVOA15-Z

Quant Time: Aug 30 12:43:37 2024
Quant Method : C:\msdchem\1\methods\SIMCL-08-28-2024.M
Quant Title : Standard Methods 6200B
QLast Update : Wed Aug 28 11:30:23 2024
Response via : Initial Calibration



(10) Carbon Tetrachloride ()

7.051min (-0.007) 0.34ug/L

response 913

Ion	Exp%	Act%
117.00	100	100
119.00	96.20	98.00
121.00	31.20	43.50
82.00	20.80	44.50



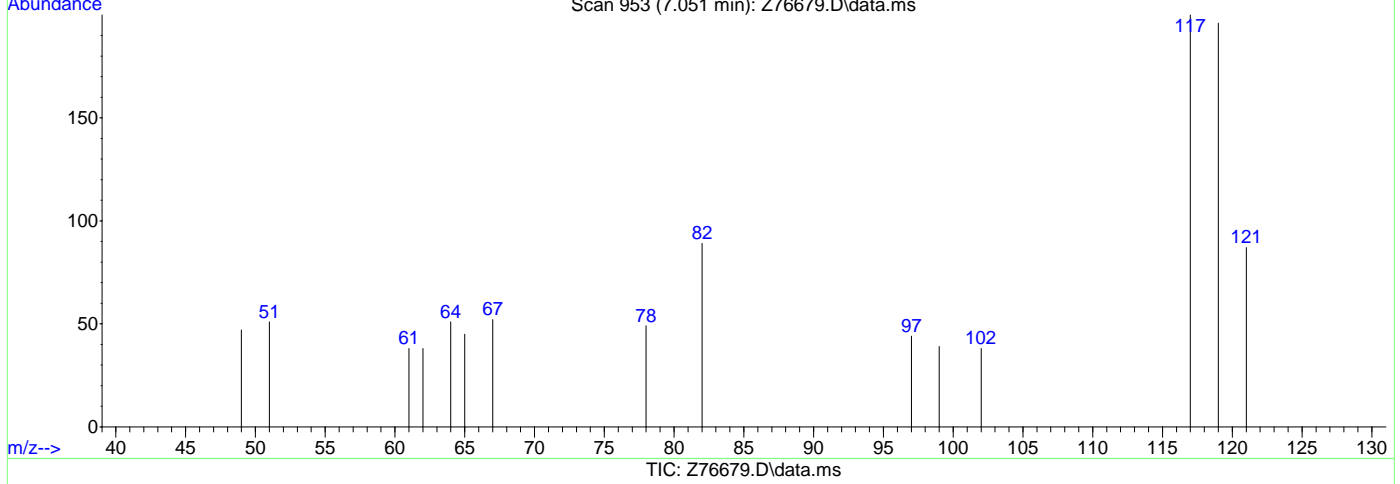
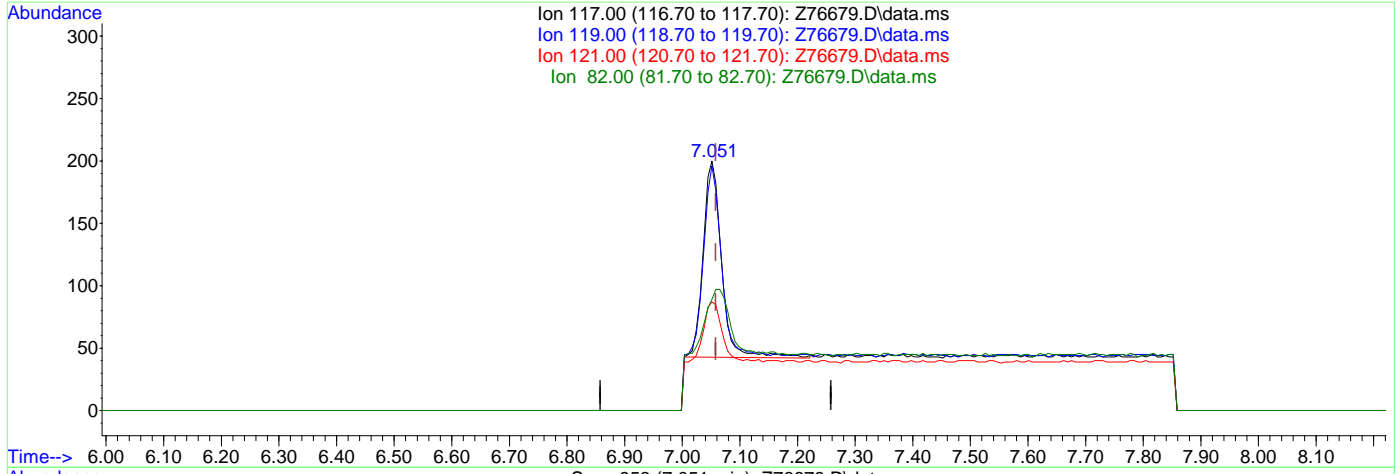
7.1.6.4
7

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\083024\
Data File : Z76679.D
Acq On : 30 Aug 2024 12:03 pm
Operator : claudias
Sample : FC18326-6
Misc : MS57393,VZ3087,,,,,
ALS Vial : 12 Sample Multiplier: 1

Inst : MSVOA15-Z

Quant Time: Aug 30 12:43:37 2024
Quant Method : C:\msdchem\1\methods\SIMCL-08-28-2024.M
Quant Title : Standard Methods 6200B
QLast Update : Wed Aug 28 11:30:23 2024
Response via : Initial Calibration



(10) Carbon Tetrachloride ()

7.051min (-0.007) 0.13ug/L m

response 352

Ion	Exp%	Act%
117.00	100	100
119.00	96.20	98.00
121.00	31.20	43.50
82.00	20.80	44.50



7.1.6.5
7

Manual Integrations
APPROVED
(compounds with "m" flag)
Karen Watson
09/03/24 11:12

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\083024\
Data File : Z76680.D
Acq On : 30 Aug 2024 12:26 pm
Operator : claudias
Sample : FC18326-7 Inst : MSVOA15-Z
Misc : MS57393,VZ3087,,,,,
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Aug 30 12:46:52 2024
Quant Method : C:\msdchem\1\methods\SIMCL-08-28-2024.M
Quant Title : Standard Methods 6200B
QLast Update : Wed Aug 28 11:30:23 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	Qvalue

Internal Standards							
1) Fluorobenzene	7.894	96	20359	5.00	ug/L	0.00	
18) Chlorobenzene-d5	10.980	117	23490	5.00	ug/L	0.00	
System Monitoring Compounds							
13) 1,2-Dichloroethane-d4	7.628	65	6758	5.48	ug/L	0.00	
Spiked Amount	5.000	Range	74 - 125	Recovery	=	109.60%	
19) Toluene-d8	9.428	98	25081	4.79	ug/L	0.00	
Spiked Amount	5.000	Range	88 - 111	Recovery	=	95.80%	
Target Compounds							
5) Methylene Chloride	5.213	49	233	0.07	ug/L		94
9) Chloroform	6.883	83	926m	0.25	ug/L		
10) Carbon Tetrachloride	7.051	117	2576m	0.96	ug/L		

(#) = qualifier out of range (m) = manual integration (+) = signals summed

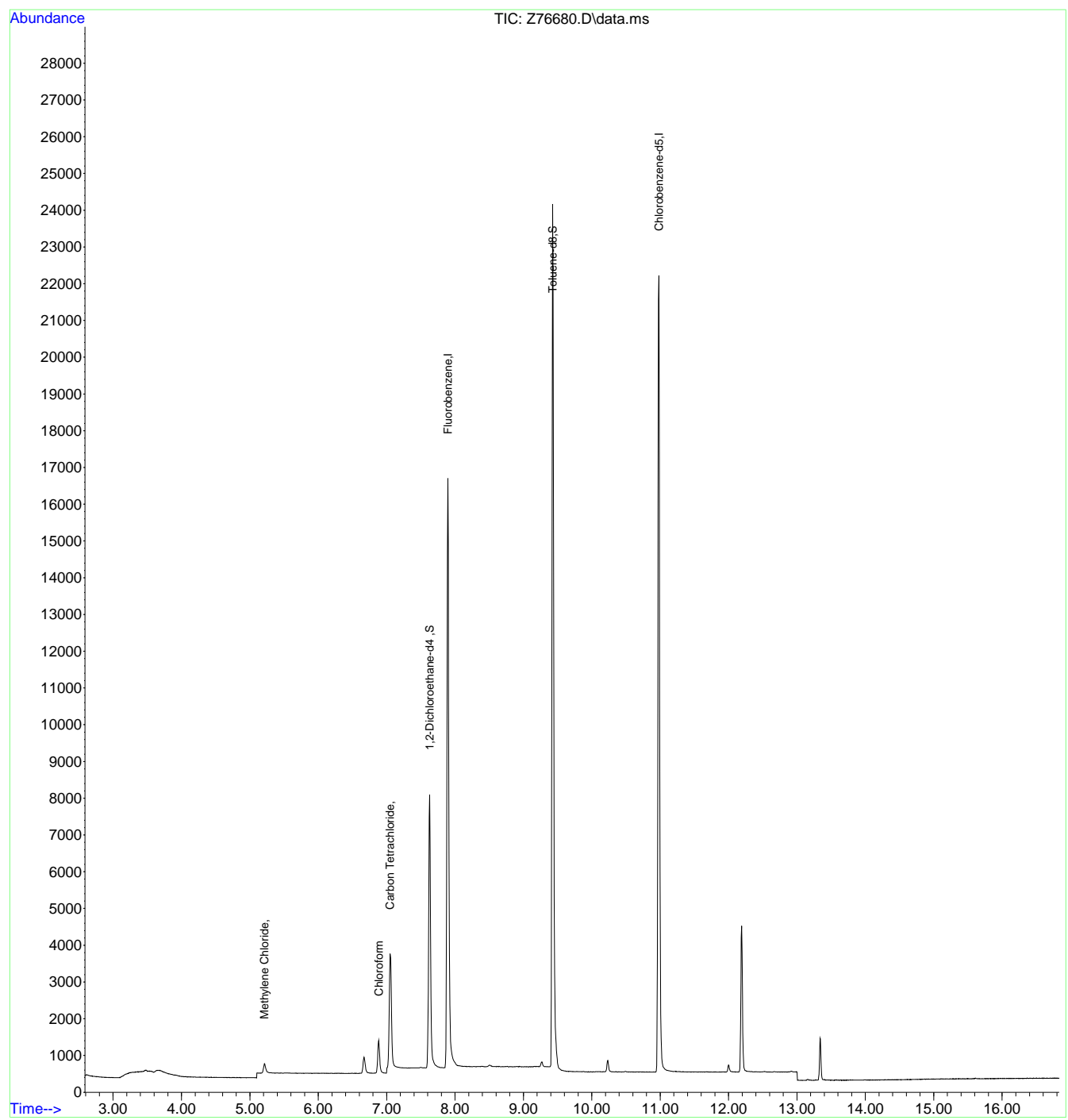
7.17
7

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\083024\
Data File : Z76680.D
Acq On : 30 Aug 2024 12:26 pm
Operator : claudias
Sample : FC18326-7
Misc : MS57393,VZ3087,,,,,
ALS Vial : 13 Sample Multiplier: 1

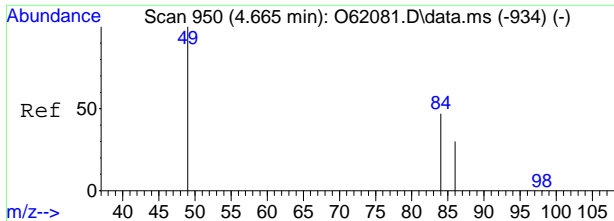
Inst : MSVOA15-Z

Quant Time: Aug 30 12:46:52 2024
Quant Method : C:\msdchem\1\methods\SIMCL-08-28-2024.M
Quant Title : Standard Methods 6200B
QLast Update : Wed Aug 28 11:30:23 2024
Response via : Initial Calibration



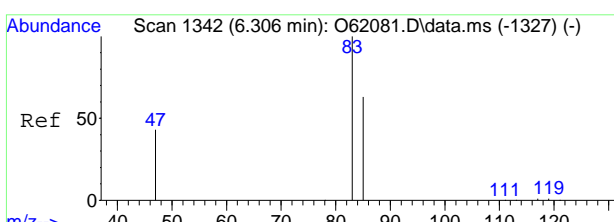
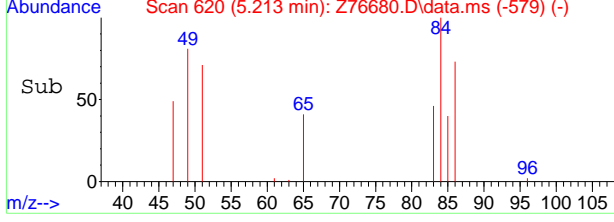
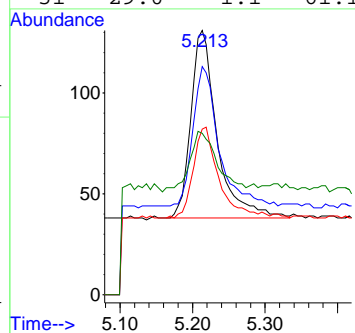
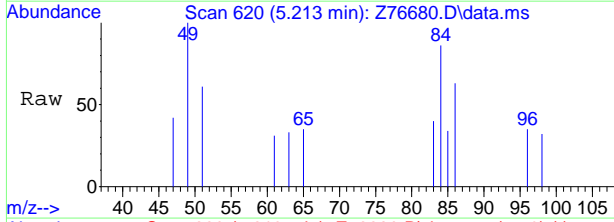
7.1.7
7





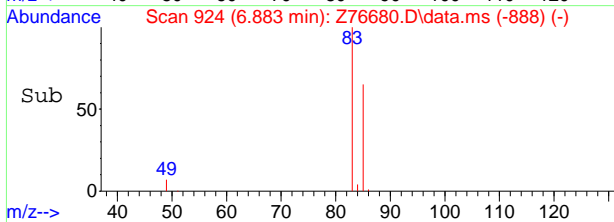
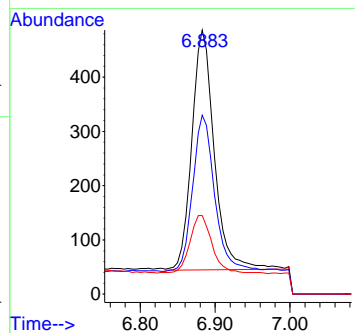
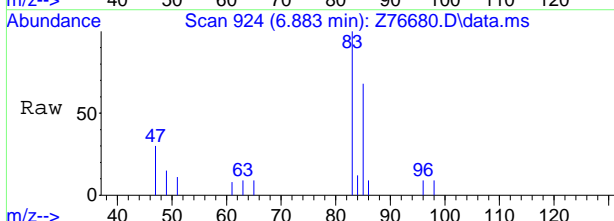
#5
 Methylene Chloride
 Concen: 0.07 ug/L
 RT: 5.213 min Scan# 620
 Delta R.T. 0.000 min
 Lab File: Z76680.D
 Acq: 30 Aug 2024 12:26 pm

Tgt Ion	Ratio	Lower	Upper
49	100		
84	74.2	49.7	109.7
86	47.3	22.0	82.0
51	29.0	1.1	61.1



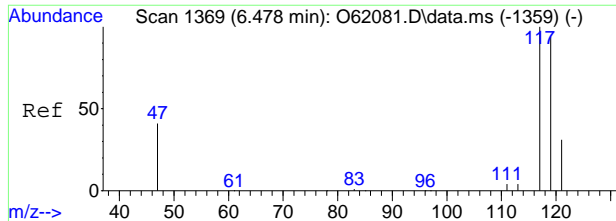
#9
 Chloroform
 Concen: 0.25 ug/L m
 RT: 6.883 min Scan# 924
 Delta R.T. -0.000 min
 Lab File: Z76680.D
 Acq: 30 Aug 2024 12:26 pm

Tgt Ion	Ratio	Lower	Upper
83	100		
85	67.8	35.9	95.9
47	29.8	0.0	51.0



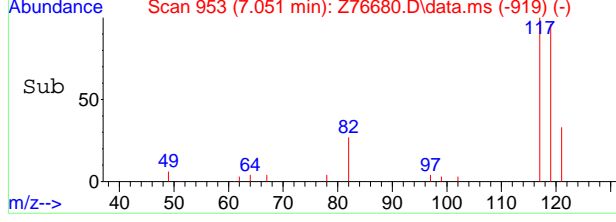
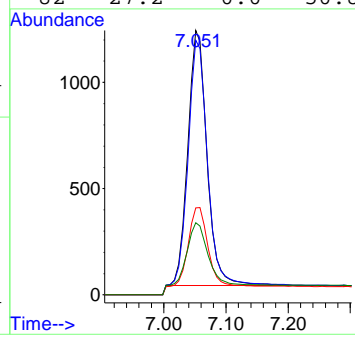
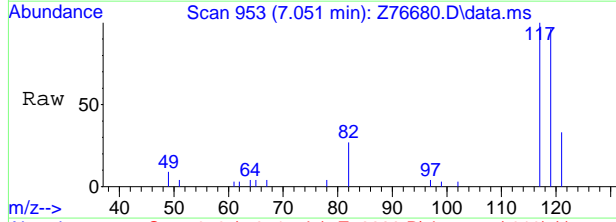
7.17
7





#10
 Carbon Tetrachloride
 Concen: 0.96 ug/L m
 RT: 7.051 min Scan# 953
 Delta R.T. -0.007 min
 Lab File: Z76680.D
 Acq: 30 Aug 2024 12:26 pm

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.2	66.2	126.2
121	32.9	1.2	61.2
82	27.2	0.0	50.8



7.1.7
7



Manual Integration Approval Summary

Sample Number: FC18326-7 **Method:** SW846 8260D BY SIM
Lab FileID: Z76680.D **Analyst approved:** 09/03/24 08:25 Claudia Sosa
Injection Time: 08/30/24 12:26 **Supervisor approved:** 09/03/24 11:12 Karen Watson

Parameter	CAS	Sig#	R.T. (min.)	Reason
Chloroform	67-66-3		6.88	Poor instrument integration
Carbon Tetrachloride	56-23-5		7.05	Poor instrument integration

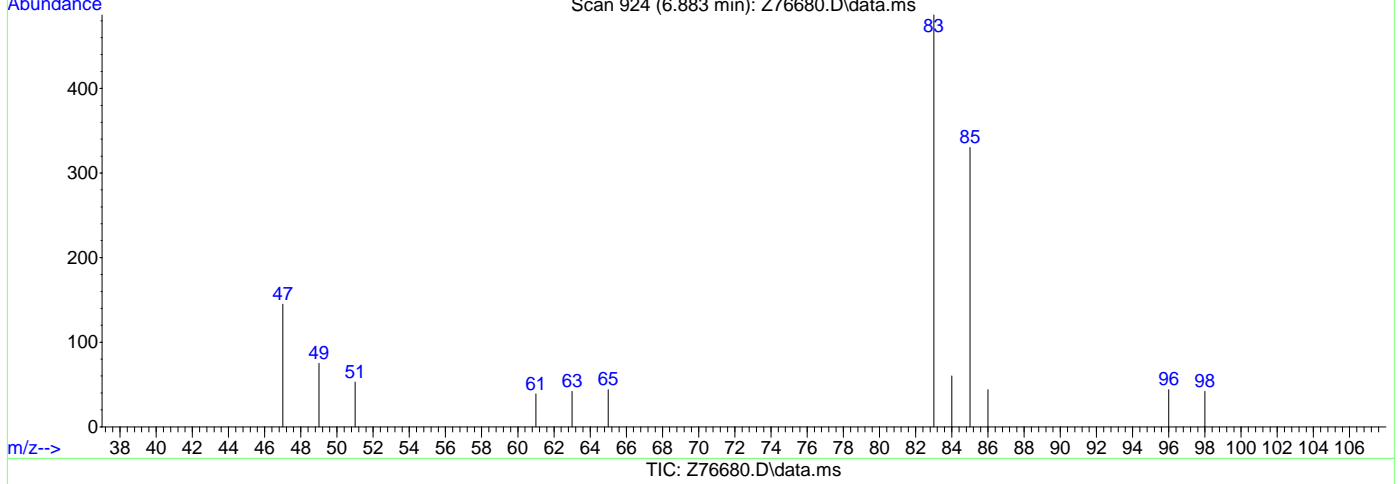
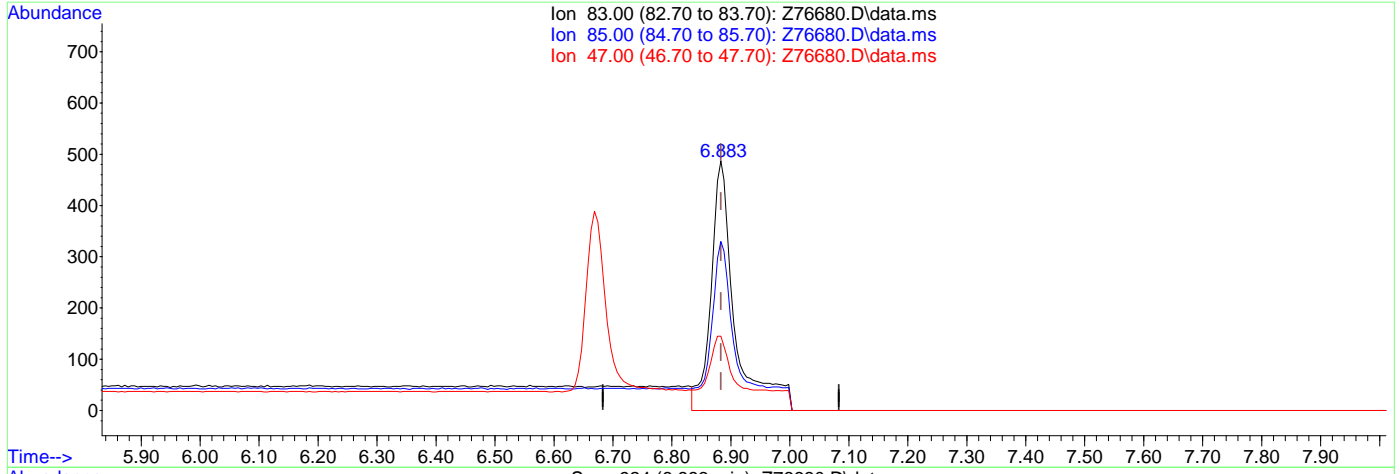
7.1.7.1
7

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\083024\
Data File : Z76680.D
Acq On : 30 Aug 2024 12:26 pm
Operator : claudias
Sample : FC18326-7
Misc : MS57393,VZ3087,,,,,
ALS Vial : 13 Sample Multiplier: 1

Inst : MSVOA15-Z

Quant Time: Aug 30 12:46:02 2024
Quant Method : C:\msdchem\1\methods\SIMCL-08-28-2024.M
Quant Title : Standard Methods 6200B
QLast Update : Wed Aug 28 11:30:23 2024
Response via : Initial Calibration



(9) Chloroform

6.883min (-0.000) 0.38ug/L

response 1381

Ion	Exp%	Act%
83.00	100	100
85.00	65.90	67.76
47.00	21.00	29.77
0.00	0.00	0.00



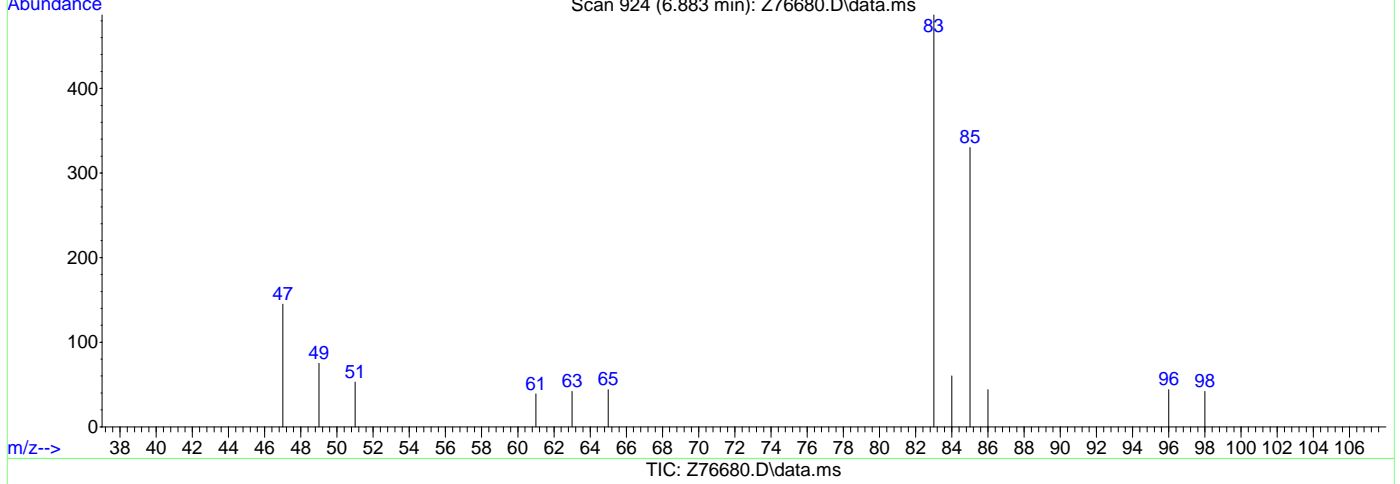
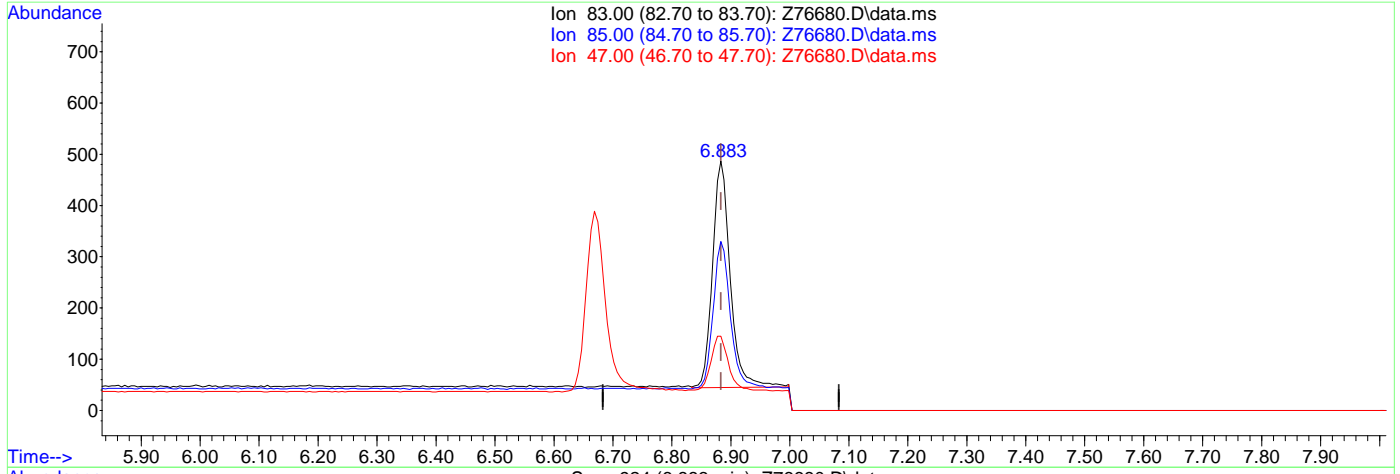
7.1.7.2
7

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\083024\
Data File : Z76680.D
Acq On : 30 Aug 2024 12:26 pm
Operator : claudias
Sample : FC18326-7
Misc : MS57393,VZ3087,,,,,
ALS Vial : 13 Sample Multiplier: 1

Inst : MSVOA15-Z

Quant Time: Aug 30 12:46:02 2024
Quant Method : C:\msdchem\1\methods\SIMCL-08-28-2024.M
Quant Title : Standard Methods 6200B
QLast Update : Wed Aug 28 11:30:23 2024
Response via : Initial Calibration



(9) Chloroform

6.883min (-0.000) 0.25ug/L m

response 926

Ion	Exp%	Act%
83.00	100	100
85.00	65.90	67.76
47.00	21.00	29.77
0.00	0.00	0.00

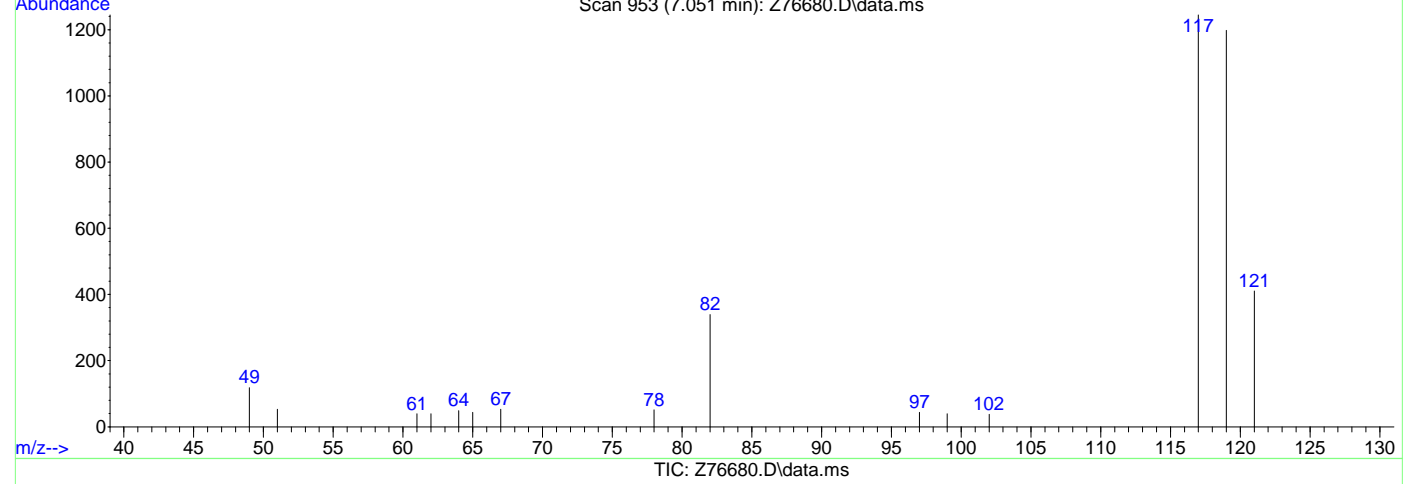
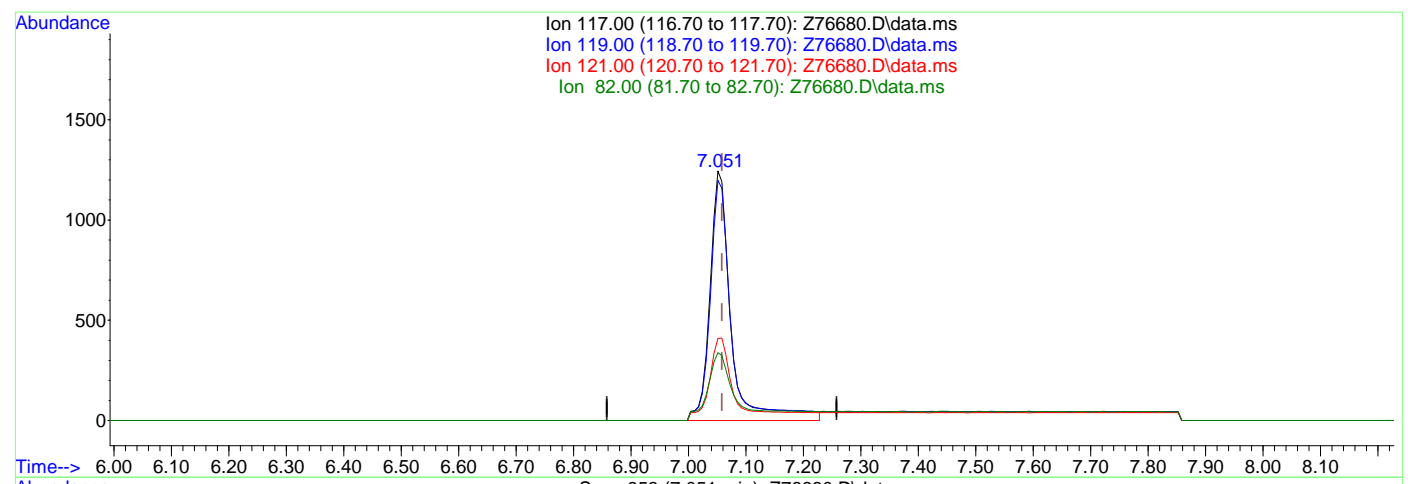


7.1.7.3
7

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\083024\
Data File : Z76680.D
Acq On : 30 Aug 2024 12:26 pm
Operator : claudias
Sample : FC18326-7
Misc : MS57393,VZ3087,,,,,
ALS Vial : 13 Sample Multiplier: 1
Inst : MSVOA15-Z

Quant Time: Aug 30 12:46:02 2024
Quant Method : C:\msdchem\1\methods\SIMCL-08-28-2024.M
Quant Title : Standard Methods 6200B
QLast Update : Wed Aug 28 11:30:23 2024
Response via : Initial Calibration



(10) Carbon Tetrachloride ()

7.051min (-0.007) 1.18ug/L

response 3152

Ion	Exp%	Act%
117.00	100	100
119.00	96.20	96.22
121.00	31.20	32.93
82.00	20.80	27.23



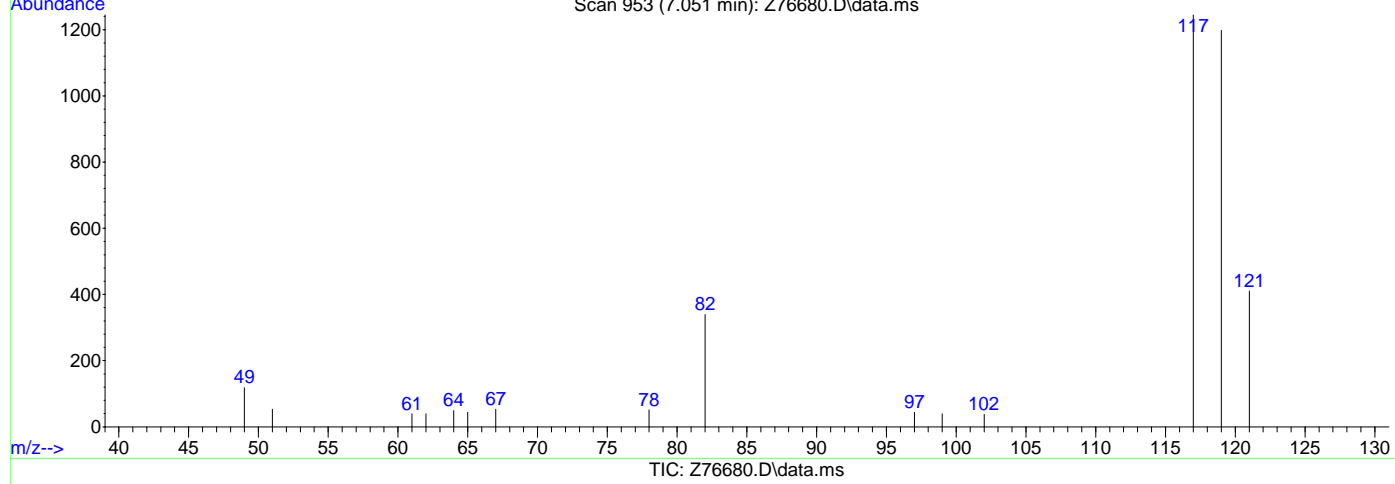
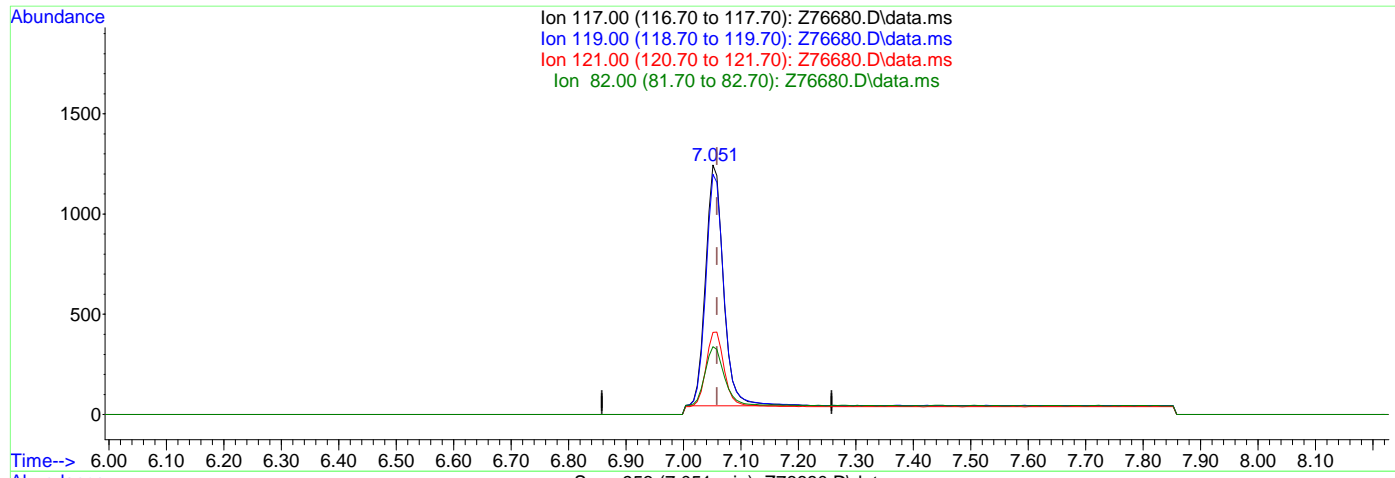
7.1.7.4
7

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\083024\
Data File : Z76680.D
Acq On : 30 Aug 2024 12:26 pm
Operator : claudias
Sample : FC18326-7
Misc : MS57393,VZ3087,,,,,
ALS Vial : 13 Sample Multiplier: 1

Inst : MSVOA15-Z

Quant Time: Aug 30 12:46:02 2024
Quant Method : C:\msdchem\1\methods\SIMCL-08-28-2024.M
Quant Title : Standard Methods 6200B
QLast Update : Wed Aug 28 11:30:23 2024
Response via : Initial Calibration



(10) Carbon Tetrachloride ()

7.051min (-0.007) 0.96ug/L m

response 2576

Ion	Exp%	Act%
117.00	100	100
119.00	96.20	96.22
121.00	31.20	32.93
82.00	20.80	27.23



7.1.7.5
7

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\083024\
Data File : Z76681.D
Acq On : 30 Aug 2024 12:49 pm
Operator : claudias
Sample : FC18326-8 Inst : MSVOA15-Z
Misc : MS57393,VZ3087,,,,,
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Aug 30 13:26:03 2024
Quant Method : C:\msdchem\1\methods\SIMCL-08-28-2024.M
Quant Title : Standard Methods 6200B
QLast Update : Wed Aug 28 11:30:23 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	Qvalue

Internal Standards							
1) Fluorobenzene	7.895	96	20064	5.00	ug/L	0.00	
18) Chlorobenzene-d5	10.981	117	23461	5.00	ug/L	0.00	
System Monitoring Compounds							
13) 1,2-Dichloroethane-d4	7.628	65	6858	5.64	ug/L	0.00	
Spiked Amount	5.000	Range 74 - 125	Recovery	=	112.80%		
19) Toluene-d8	9.428	98	24848	4.75	ug/L	0.00	
Spiked Amount	5.000	Range 88 - 111	Recovery	=	95.00%		
Target Compounds							
5) Methylene Chloride	5.213	49	446	0.14	ug/L		93
9) Chloroform	6.883	83	1905m	0.53	ug/L		
10) Carbon Tetrachloride	7.051	117	935m	0.35	ug/L		

(#) = qualifier out of range (m) = manual integration (+) = signals summed

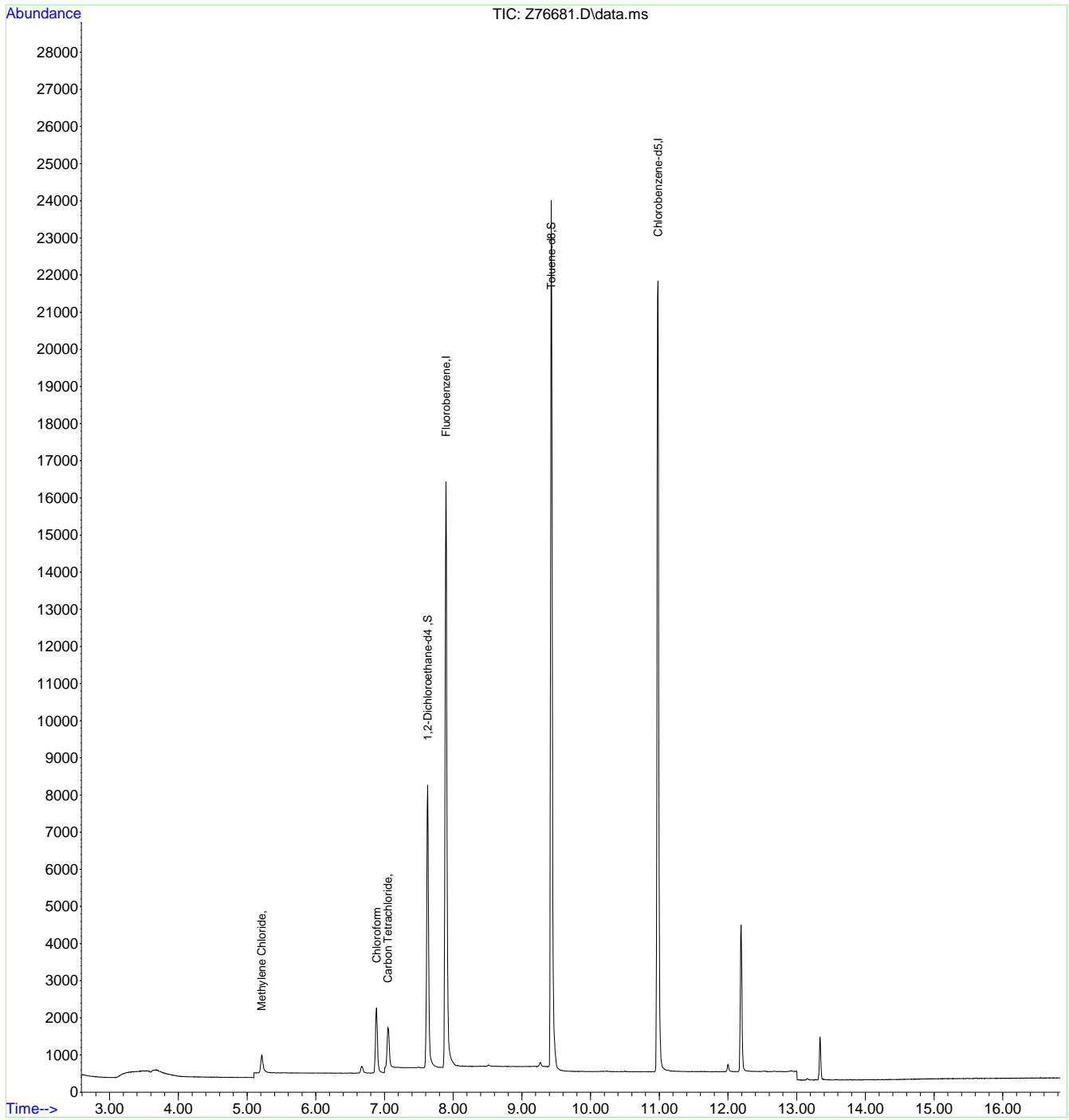
7.1.8
7

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\083024\
Data File : Z76681.D
Acq On : 30 Aug 2024 12:49 pm
Operator : claudias
Sample : FC18326-8
Misc : MS57393,VZ3087,,,,,
ALS Vial : 14 Sample Multiplier: 1

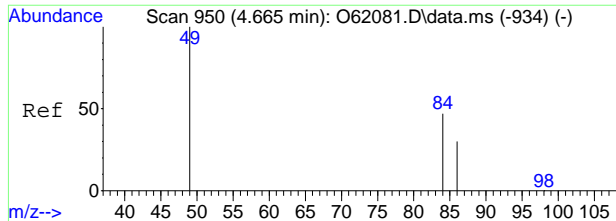
Inst : MSVOA15-Z

Quant Time: Aug 30 13:26:03 2024
Quant Method : C:\msdchem\1\methods\SIMCL-08-28-2024.M
Quant Title : Standard Methods 6200B
QLast Update : Wed Aug 28 11:30:23 2024
Response via : Initial Calibration



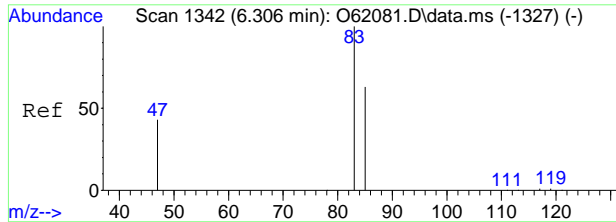
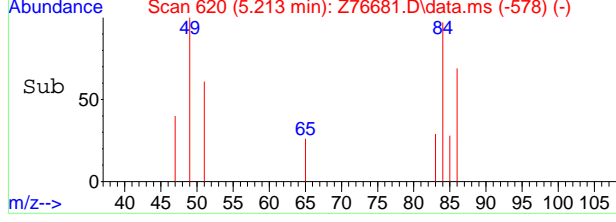
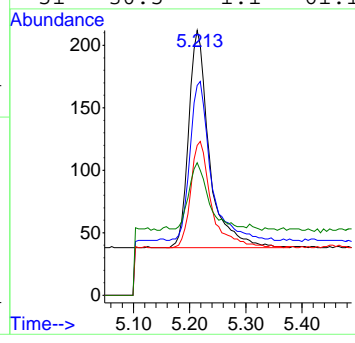
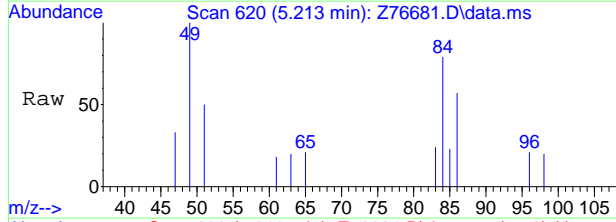
7.1.8
7





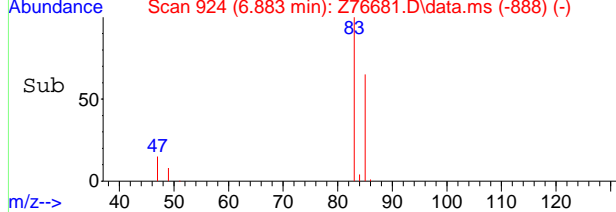
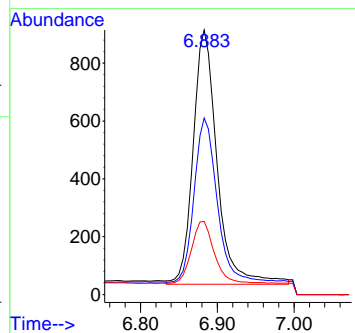
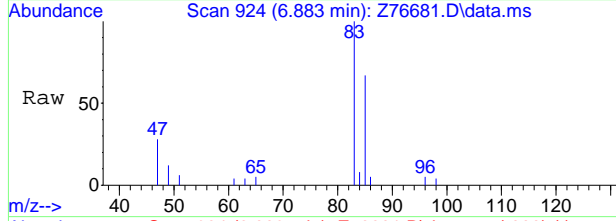
#5
 Methylene Chloride
 Concen: 0.14 ug/L
 RT: 5.213 min Scan# 620
 Delta R.T. 0.000 min
 Lab File: Z76681.D
 Acq: 30 Aug 2024 12:49 pm

Tgt Ion	Ratio	Lower	Upper
49	100		
84	71.3	49.7	109.7
86	47.1	22.0	82.0
51	30.5	1.1	61.1



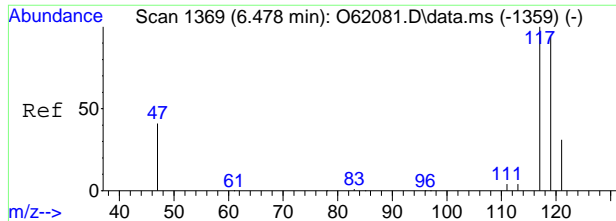
#9
 Chloroform
 Concen: 0.53 ug/L m
 RT: 6.883 min Scan# 924
 Delta R.T. 0.000 min
 Lab File: Z76681.D
 Acq: 30 Aug 2024 12:49 pm

Tgt Ion	Ratio	Lower	Upper
83	100		
85	66.7	35.9	95.9
47	27.7	0.0	51.0



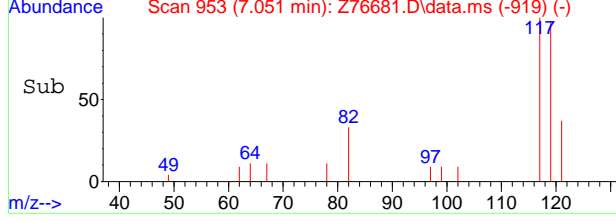
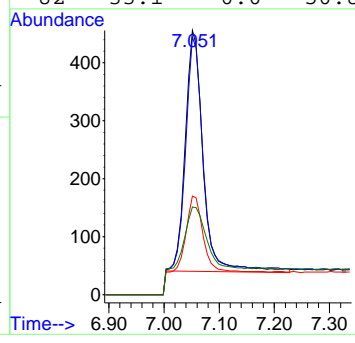
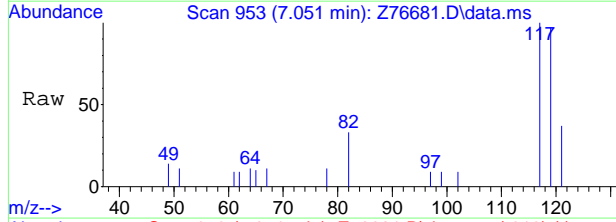
7.18
7





#10
 Carbon Tetrachloride
 Concen: 0.35 ug/L m
 RT: 7.051 min Scan# 953
 Delta R.T. -0.007 min
 Lab File: Z76681.D
 Acq: 30 Aug 2024 12:49 pm

Tgt Ion	Ratio	Lower	Upper
117	100		
119	97.4	66.2	126.2
121	37.3	1.2	61.2
82	33.1	0.0	50.8



7.1.8
7



Manual Integration Approval Summary

Sample Number: FC18326-8 **Method:** SW846 8260D BY SIM
Lab FileID: Z76681.D **Analyst approved:** 09/03/24 08:25 Claudia Sosa
Injection Time: 08/30/24 12:49 **Supervisor approved:** 09/03/24 11:12 Karen Watson

Parameter	CAS	Sig#	R.T. (min.)	Reason
Chloroform	67-66-3		6.88	Poor instrument integration
Carbon Tetrachloride	56-23-5		7.05	Poor instrument integration

7.1.8.1

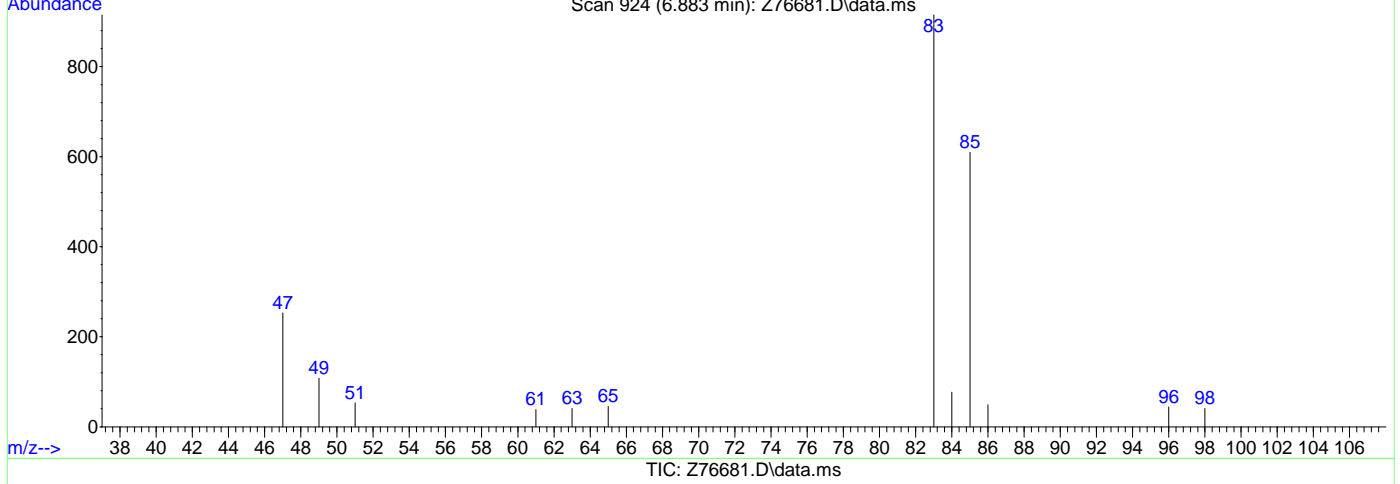
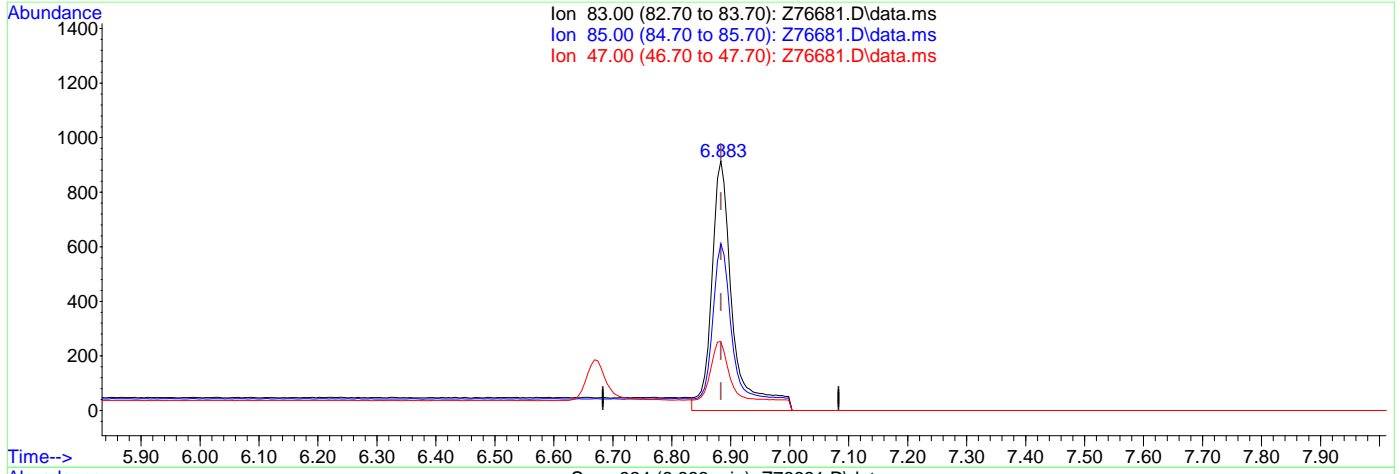
7

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\083024\
Data File : Z76681.D
Acq On : 30 Aug 2024 12:49 pm
Operator : claudias
Sample : FC18326-8
Misc : MS57393,VZ3087,,,,,
ALS Vial : 14 Sample Multiplier: 1

Inst : MSVOA15-Z

Quant Time: Aug 30 13:25:24 2024
Quant Method : C:\msdchem\1\methods\SIMCL-08-28-2024.M
Quant Title : Standard Methods 6200B
QLast Update : Wed Aug 28 11:30:23 2024
Response via : Initial Calibration



(9) Chloroform

6.883min (+0.000) 0.64ug/L

response 2283

Ion	Exp%	Act%
83.00	100	100
85.00	65.90	66.67
47.00	21.00	27.65
0.00	0.00	0.00



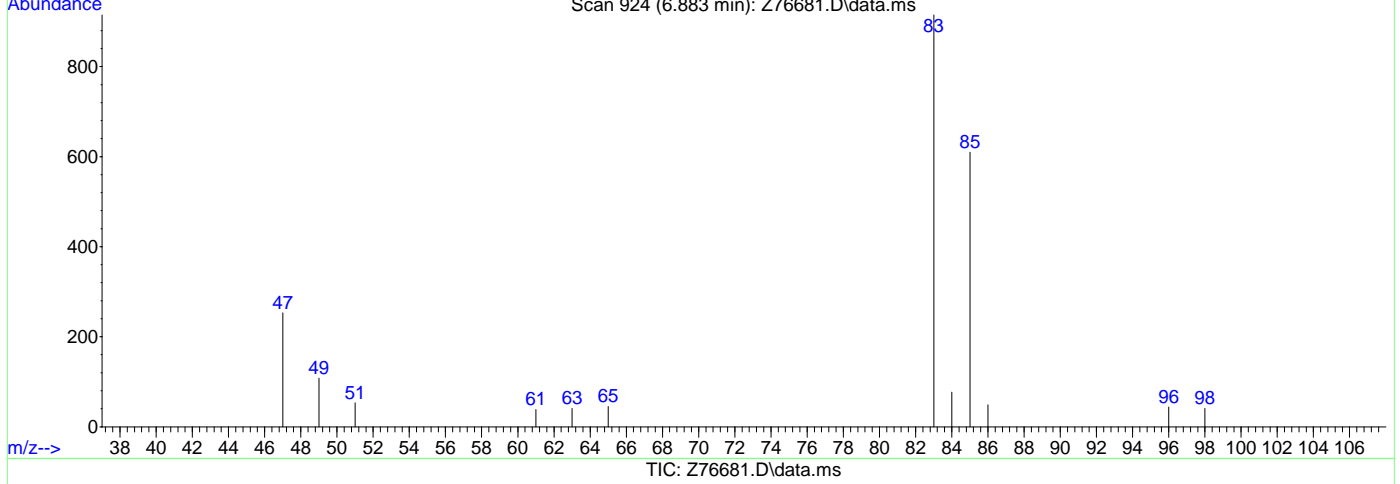
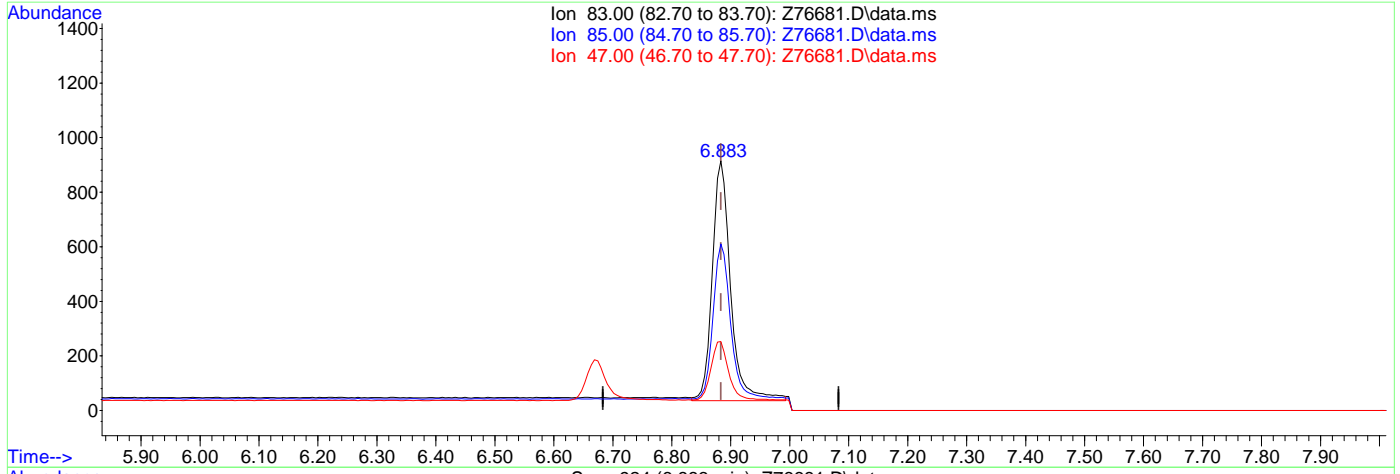
7.1.8.2
7

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\083024\
Data File : Z76681.D
Acq On : 30 Aug 2024 12:49 pm
Operator : claudias
Sample : FC18326-8
Misc : MS57393,VZ3087,,,,,
ALS Vial : 14 Sample Multiplier: 1

Inst : MSVOA15-Z

Quant Time: Aug 30 13:25:24 2024
Quant Method : C:\msdchem\1\methods\SIMCL-08-28-2024.M
Quant Title : Standard Methods 6200B
QLast Update : Wed Aug 28 11:30:23 2024
Response via : Initial Calibration



(9) Chloroform

6.883min (+0.000) 0.53ug/L m

response 1905

Ion	Exp%	Act%
83.00	100	100
85.00	65.90	66.67
47.00	21.00	27.65
0.00	0.00	0.00



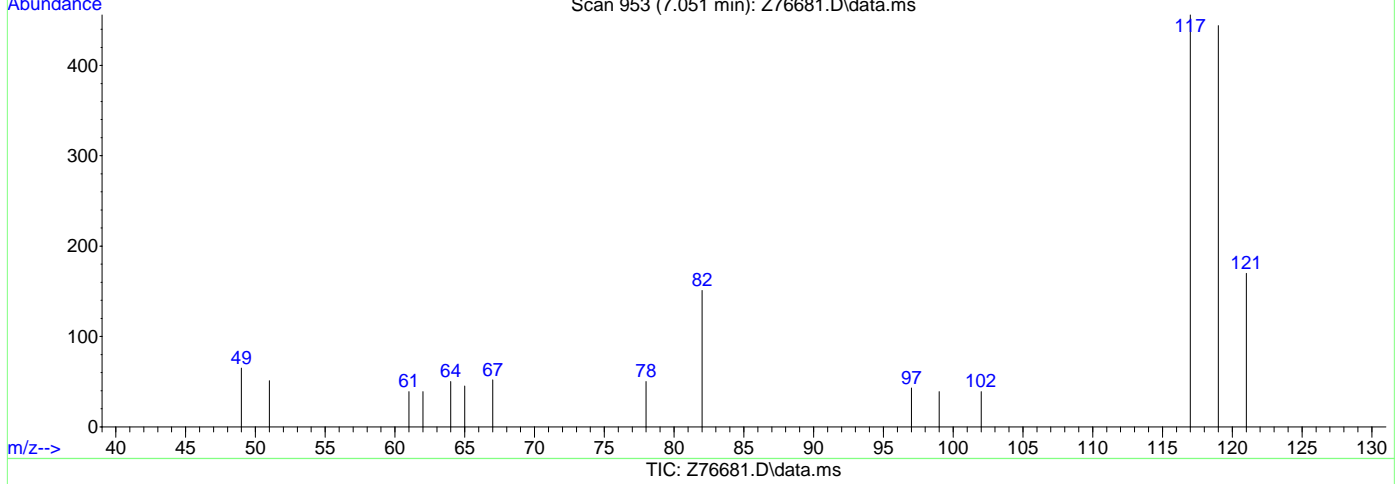
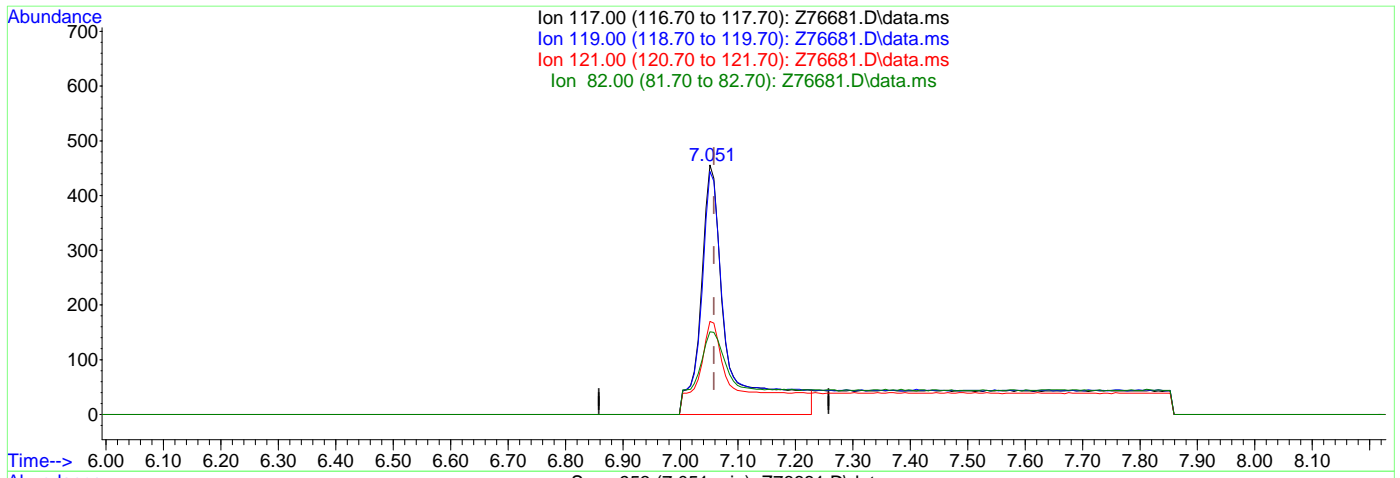
7.1.8.3
7

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\083024\
Data File : Z76681.D
Acq On : 30 Aug 2024 12:49 pm
Operator : claudias
Sample : FC18326-8
Misc : MS57393,VZ3087,,,,,
ALS Vial : 14 Sample Multiplier: 1

Inst : MSVOA15-Z

Quant Time: Aug 30 13:25:24 2024
Quant Method : C:\msdchem\1\methods\SIMCL-08-28-2024.M
Quant Title : Standard Methods 6200B
QLast Update : Wed Aug 28 11:30:23 2024
Response via : Initial Calibration



(10) Carbon Tetrachloride ()

7.051min (-0.007) 0.55ug/L

response 1467

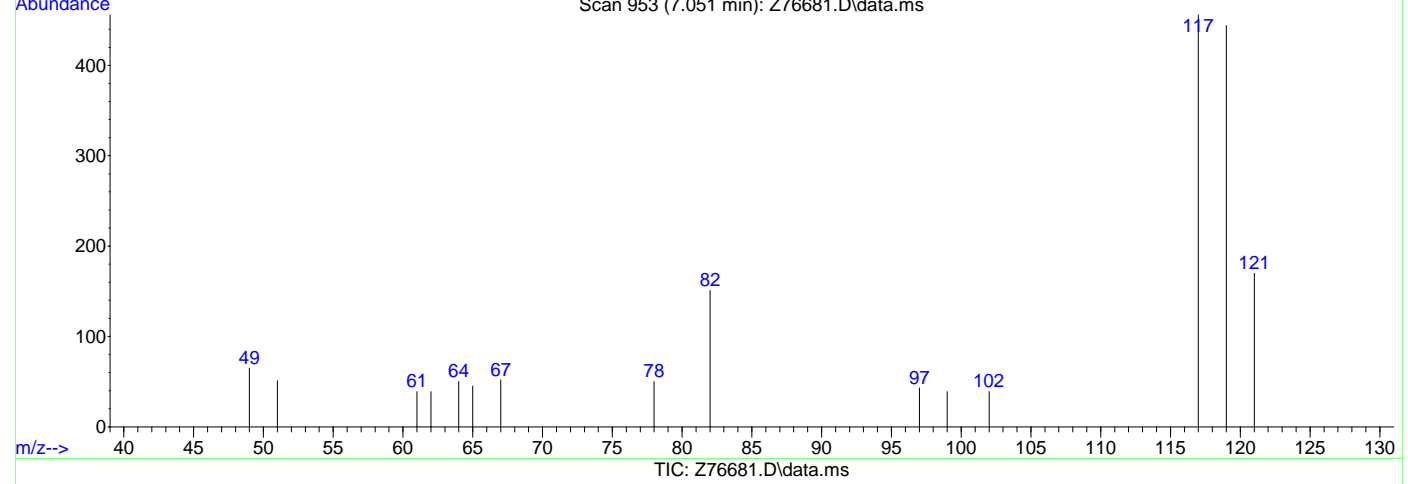
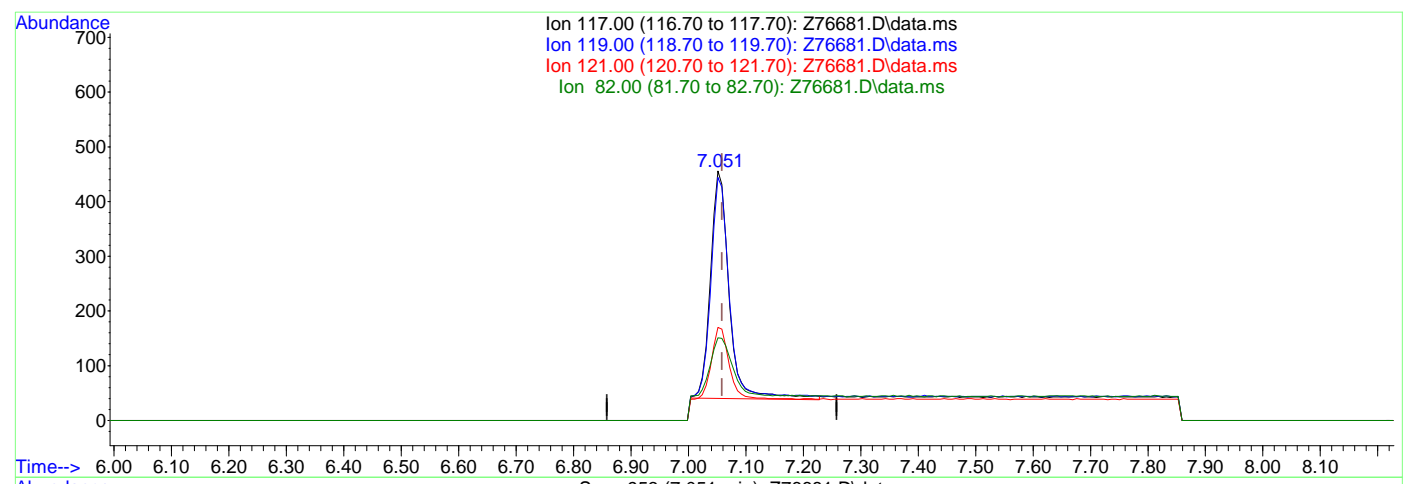
Ion	Exp%	Act%
117.00	100	100
119.00	96.20	97.37
121.00	31.20	37.28
82.00	20.80	33.11

7.1.8.4
7

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\083024\
Data File : Z76681.D
Acq On : 30 Aug 2024 12:49 pm
Operator : claudias
Sample : FC18326-8
Misc : MS57393,VZ3087,,,,,
ALS Vial : 14 Sample Multiplier: 1
Inst : MSVOA15-Z

Quant Time: Aug 30 13:25:24 2024
Quant Method : C:\msdchem\1\methods\SIMCL-08-28-2024.M
Quant Title : Standard Methods 6200B
QLast Update : Wed Aug 28 11:30:23 2024
Response via : Initial Calibration



(10) Carbon Tetrachloride ()

7.051min (-0.007) 0.35ug/L m

response 935

Ion	Exp%	Act%
117.00	100	100
119.00	96.20	97.37
121.00	31.20	37.28
82.00	20.80	33.11



7.1.8.5
7

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\083024\
Data File : Z76674.D
Acq On : 30 Aug 2024 10:09 am
Operator : claudias
Sample : FC18326-9 Inst : MSVOA15-Z
Misc : MS57393,VZ3087,,,,,
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Aug 30 11:11:09 2024
Quant Method : C:\msdchem\1\methods\SIMCL-08-28-2024.M
Quant Title : Standard Methods 6200B
QLast Update : Wed Aug 28 11:30:23 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Fluorobenzene	7.895	96	20409	5.00	ug/L	0.00
18) Chlorobenzene-d5	10.981	117	23698	5.00	ug/L	0.00
System Monitoring Compounds						
13) 1,2-Dichloroethane-d4	7.628	65	6650	5.38	ug/L	0.00
Spiked Amount	5.000	Range 74 - 125	Recovery	=	107.60%	
19) Toluene-d8	9.428	98	25190	4.77	ug/L	0.00
Spiked Amount	5.000	Range 88 - 111	Recovery	=	95.40%	
Target Compounds						
5) Methylene Chloride	5.213	49	227	0.07	ug/L	Qvalue 97

(#) = qualifier out of range (m) = manual integration (+) = signals summed

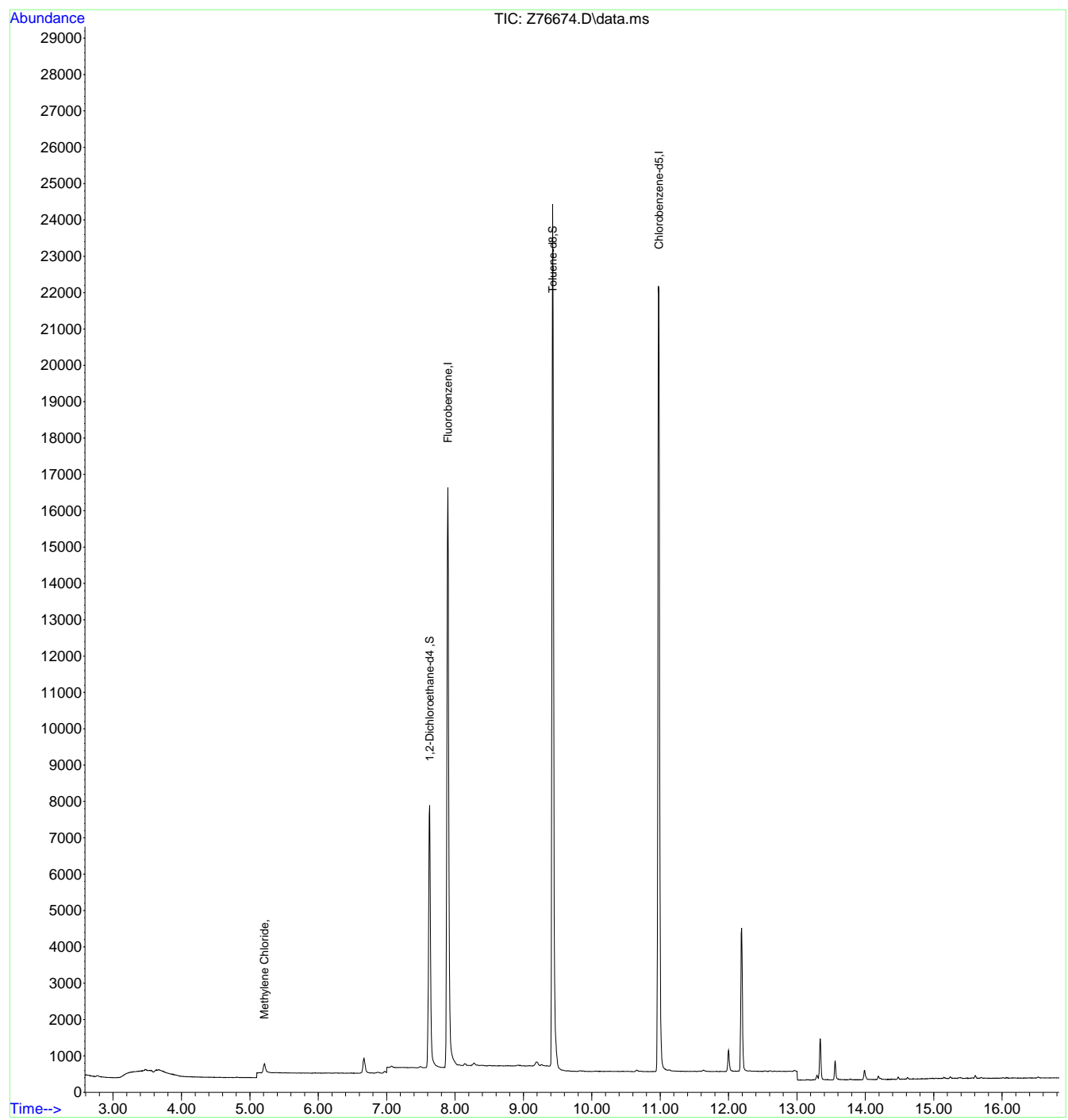
7.1.9
7

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\083024\
Data File : Z76674.D
Acq On : 30 Aug 2024 10:09 am
Operator : claudias
Sample : FC18326-9
Misc : MS57393,VZ3087,,,,,
ALS Vial : 7 Sample Multiplier: 1

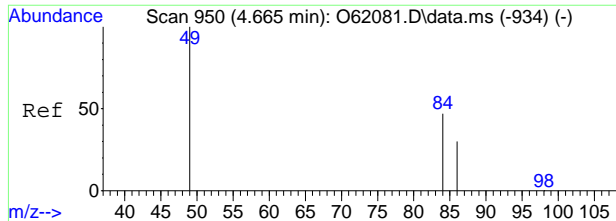
Inst : MSVOA15-Z

Quant Time: Aug 30 11:11:09 2024
Quant Method : C:\msdchem\1\methods\SIMCL-08-28-2024.M
Quant Title : Standard Methods 6200B
QLast Update : Wed Aug 28 11:30:23 2024
Response via : Initial Calibration



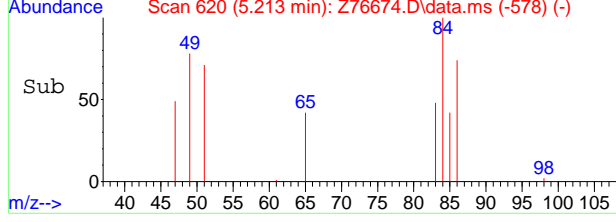
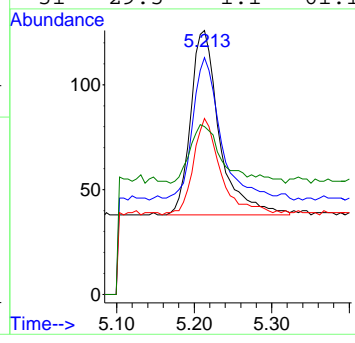
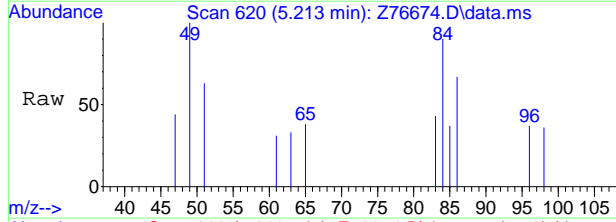
7.1.7





#5
 Methylene Chloride
 Concen: 0.07 ug/L
 RT: 5.213 min Scan# 620
 Delta R.T. 0.000 min
 Lab File: Z76674.D
 Acq: 30 Aug 2024 10:09 am

Tgt Ion	Ratio	Lower	Upper
49	100		
84	76.1	49.7	109.7
86	51.1	22.0	82.0
51	29.5	1.1	61.1



7.1.9
7



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\083024\
Data File : Z76682.D
Acq On : 30 Aug 2024 1:12 pm
Operator : claudias
Sample : FC18326-10 Inst : MSVOA15-Z
Misc : MS57393,VZ3087,,,,,
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Aug 30 13:30:55 2024
Quant Method : C:\msdchem\1\methods\SIMCL-08-28-2024.M
Quant Title : Standard Methods 6200B
QLast Update : Wed Aug 28 11:30:23 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	Qvalue

Internal Standards							
1) Fluorobenzene	7.895	96	20694	5.00	ug/L	0.00	
18) Chlorobenzene-d5	10.981	117	23591	5.00	ug/L	0.00	
System Monitoring Compounds							
13) 1,2-Dichloroethane-d4	7.628	65	6806	5.43	ug/L	0.00	
Spiked Amount	5.000	Range	74 - 125	Recovery	=	108.60%	
19) Toluene-d8	9.429	98	25320	4.81	ug/L	0.00	
Spiked Amount	5.000	Range	88 - 111	Recovery	=	96.20%	
Target Compounds							
5) Methylene Chloride	5.213	49	238	0.07	ug/L		96
9) Chloroform	6.883	83	528m	0.14	ug/L		
10) Carbon Tetrachloride	7.051	117	899m	0.33	ug/L		
15) Trichloroethene	8.061	95	367	0.22	ug/L		88

(#) = qualifier out of range (m) = manual integration (+) = signals summed

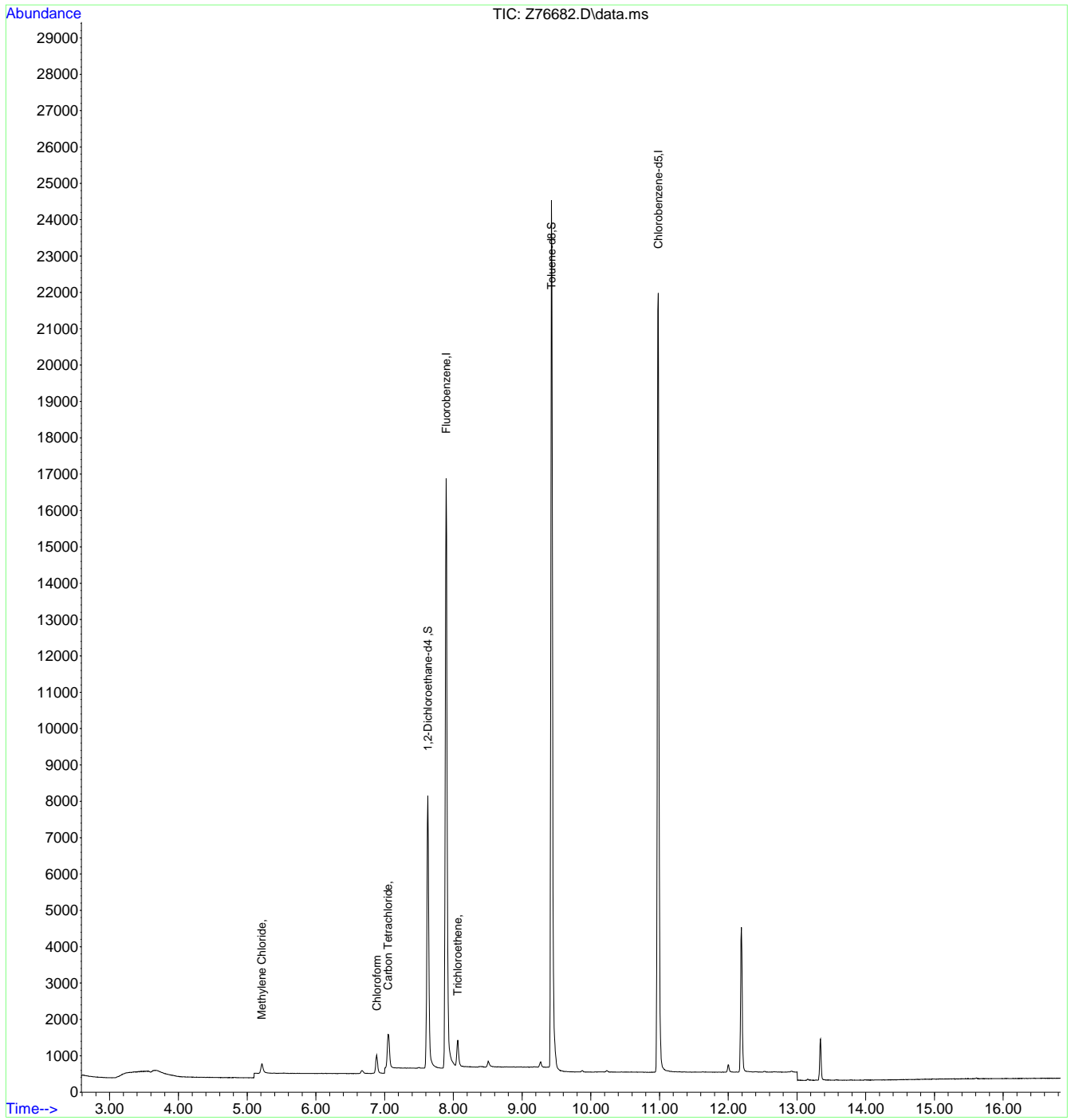
7.1.10
7

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\083024\
Data File : Z76682.D
Acq On : 30 Aug 2024 1:12 pm
Operator : claudias
Sample : FC18326-10
Misc : MS57393,VZ3087,,,,,
ALS Vial : 15 Sample Multiplier: 1

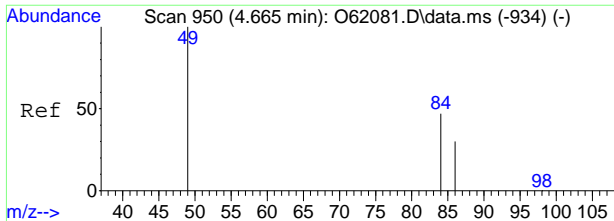
Inst : MSVOA15-Z

Quant Time: Aug 30 13:30:55 2024
Quant Method : C:\msdchem\1\methods\SIMCL-08-28-2024.M
Quant Title : Standard Methods 6200B
QLast Update : Wed Aug 28 11:30:23 2024
Response via : Initial Calibration



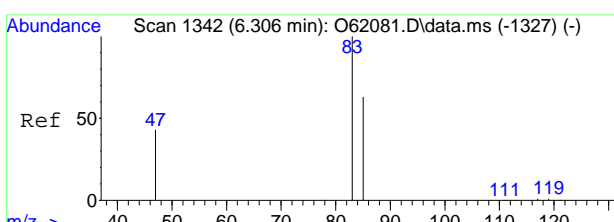
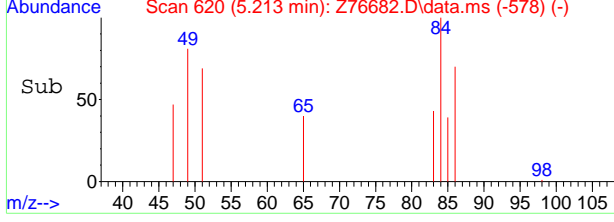
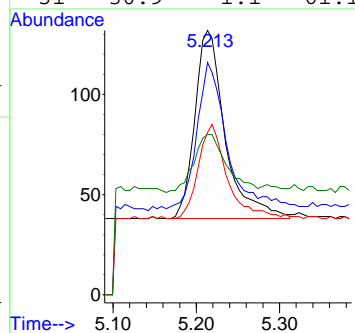
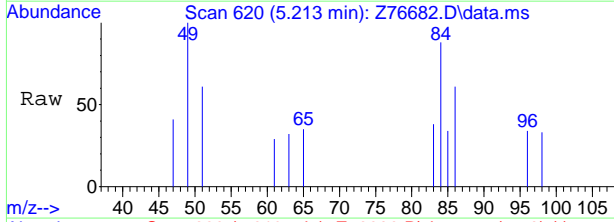
7.1.10
7





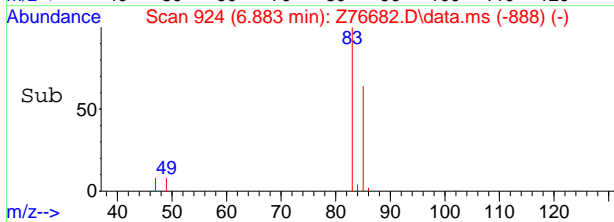
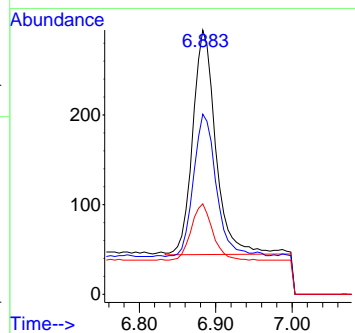
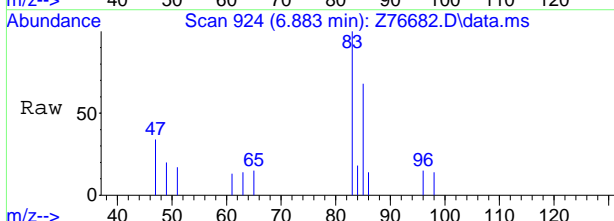
#5
 Methylene Chloride
 Concen: 0.07 ug/L
 RT: 5.213 min Scan# 620
 Delta R.T. 0.000 min
 Lab File: Z76682.D
 Acq: 30 Aug 2024 1:12 pm

Tgt Ion	Ratio	Lower	Upper
49	100		
84	77.7	49.7	109.7
86	45.7	22.0	82.0
51	30.9	1.1	61.1



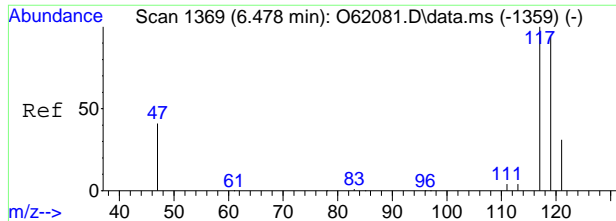
#9
 Chloroform
 Concen: 0.14 ug/L m
 RT: 6.883 min Scan# 924
 Delta R.T. 0.000 min
 Lab File: Z76682.D
 Acq: 30 Aug 2024 1:12 pm

Tgt Ion	Ratio	Lower	Upper
83	100		
85	68.1	35.9	95.9
47	34.2	0.0	51.0



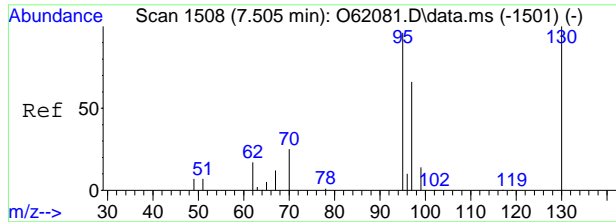
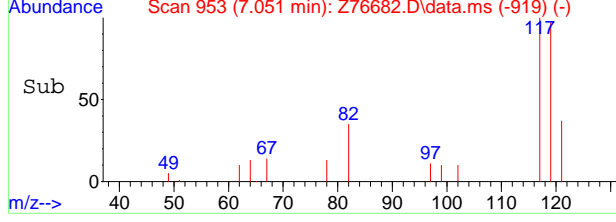
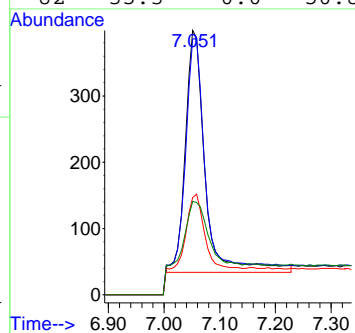
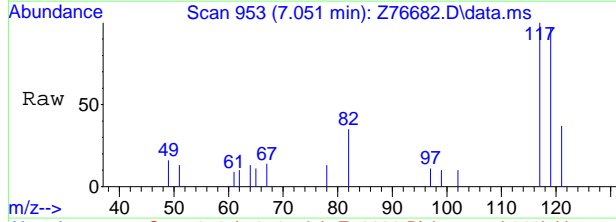
7.1.10
7





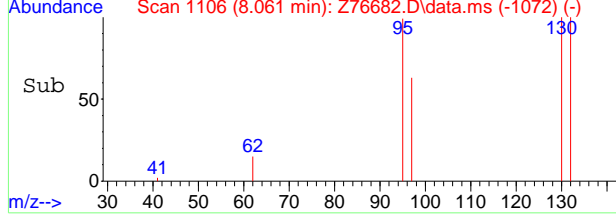
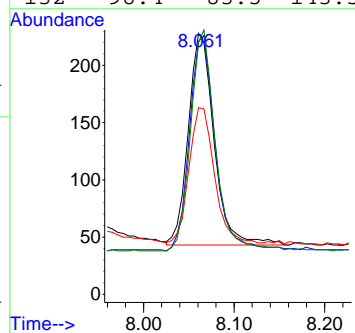
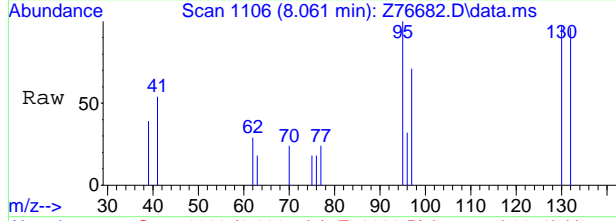
#10
 Carbon Tetrachloride
 Concen: 0.33 ug/L m
 RT: 7.051 min Scan# 953
 Delta R.T. -0.007 min
 Lab File: Z76682.D
 Acq: 30 Aug 2024 1:12 pm

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.7	66.2	126.2
121	36.8	1.2	61.2
82	35.3	0.0	50.8



#15
 Trichloroethene
 Concen: 0.22 ug/L
 RT: 8.061 min Scan# 1106
 Delta R.T. -0.000 min
 Lab File: Z76682.D
 Acq: 30 Aug 2024 1:12 pm

Tgt Ion	Ratio	Lower	Upper
95	100		
130	98.9	84.5	144.5
97	63.8	36.4	96.4
132	98.4	83.5	143.5



7.1.10
7



Manual Integration Approval Summary

Sample Number: FC18326-10 **Method:** SW846 8260D BY SIM
Lab FileID: Z76682.D **Analyst approved:** 09/03/24 08:25 Claudia Sosa
Injection Time: 08/30/24 13:12 **Supervisor approved:** 09/03/24 11:12 Karen Watson

Parameter	CAS	Sig#	R.T. (min.)	Reason
Chloroform	67-66-3		6.88	Poor instrument integration
Carbon Tetrachloride	56-23-5		7.05	Poor instrument integration

7.1.10.1

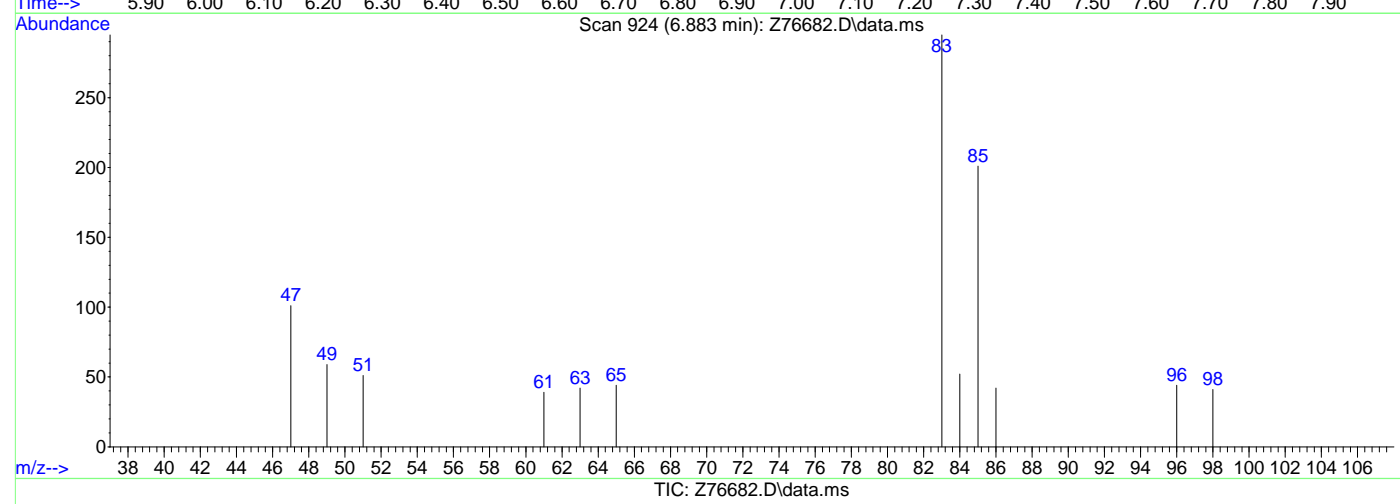
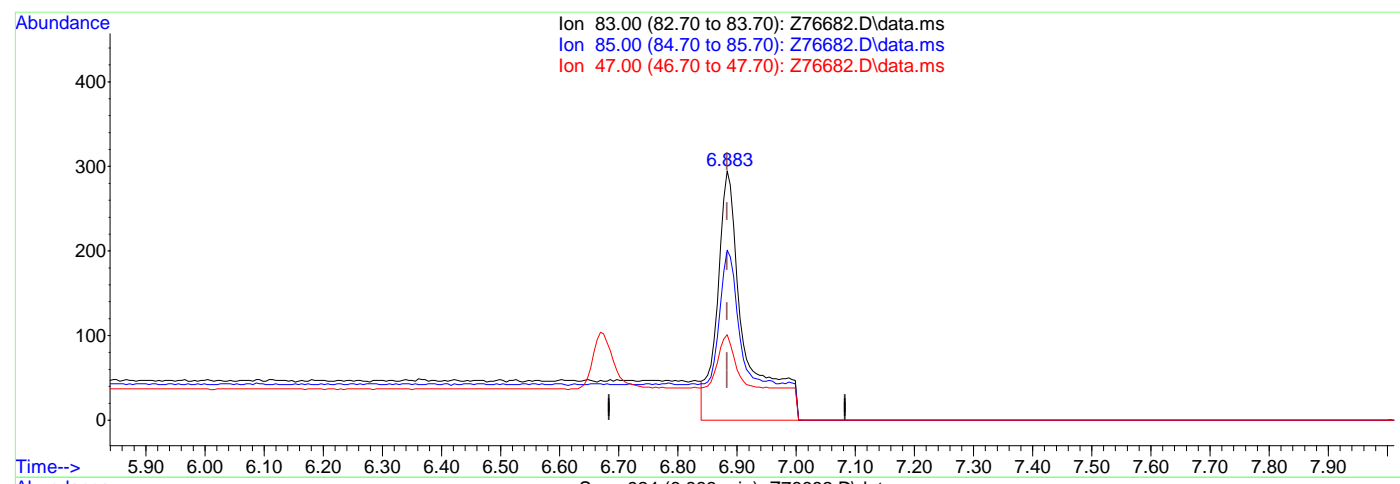
7

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\083024\
Data File : Z76682.D
Acq On : 30 Aug 2024 1:12 pm
Operator : claudias
Sample : FC18326-10
Misc : MS57393,VZ3087,,,,,
ALS Vial : 15 Sample Multiplier: 1

Inst : MSVOA15-Z

Quant Time: Aug 30 13:29:46 2024
Quant Method : C:\msdchem\1\methods\SIMCL-08-28-2024.M
Quant Title : Standard Methods 6200B
QLast Update : Wed Aug 28 11:30:23 2024
Response via : Initial Calibration



(9) Chloroform

6.883min (+0.000) 0.26ug/L

response 960

Ion	Exp%	Act%
83.00	100	100
85.00	65.90	68.14
47.00	21.00	34.24
0.00	0.00	0.00

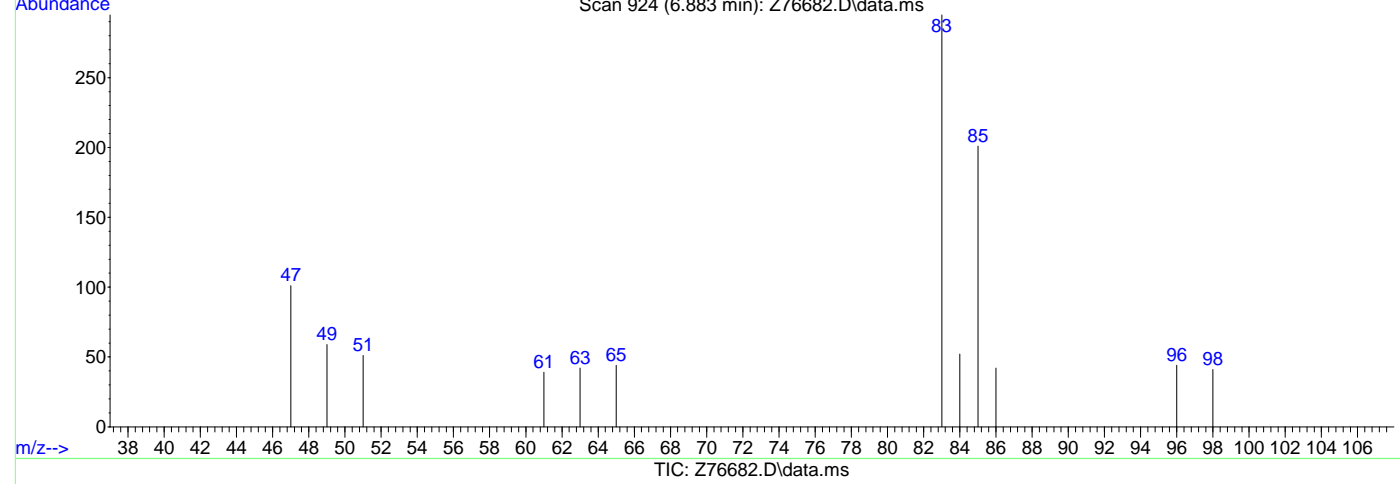
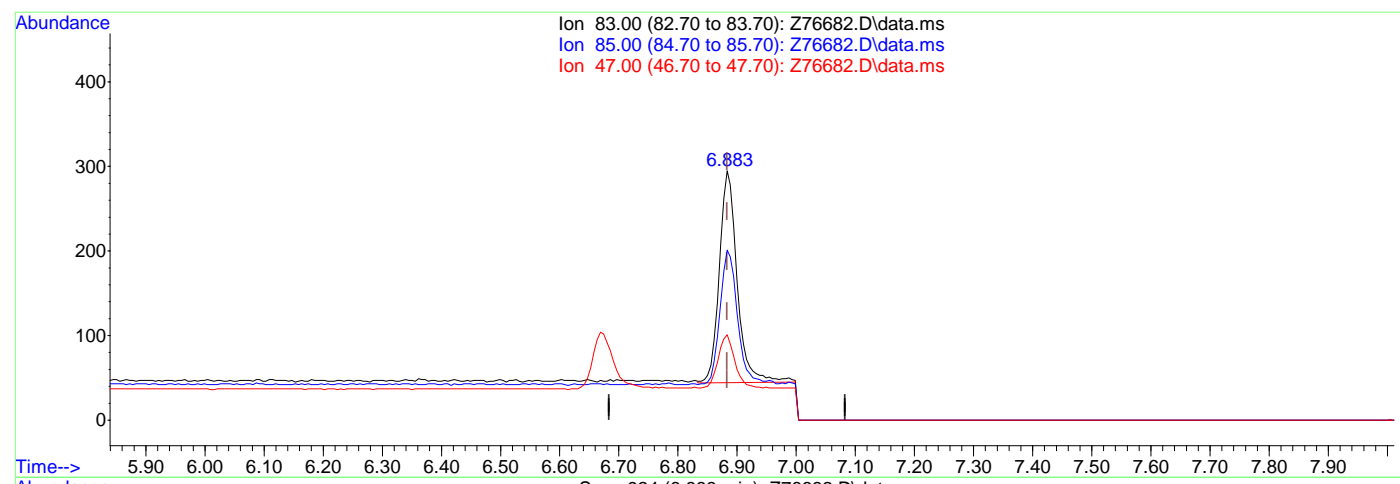


7.1.102
7

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\083024\
Data File : Z76682.D
Acq On : 30 Aug 2024 1:12 pm
Operator : claudias
Sample : FC18326-10
Misc : MS57393,VZ3087,,,,,
ALS Vial : 15 Sample Multiplier: 1
Inst : MSVOA15-Z

Quant Time: Aug 30 13:29:46 2024
Quant Method : C:\msdchem\1\methods\SIMCL-08-28-2024.M
Quant Title : Standard Methods 6200B
QLast Update : Wed Aug 28 11:30:23 2024
Response via : Initial Calibration



(9) Chloroform

6.883min (+0.000) 0.14ug/L m

response 528

Ion	Exp%	Act%
83.00	100	100
85.00	65.90	68.14
47.00	21.00	34.24
0.00	0.00	0.00



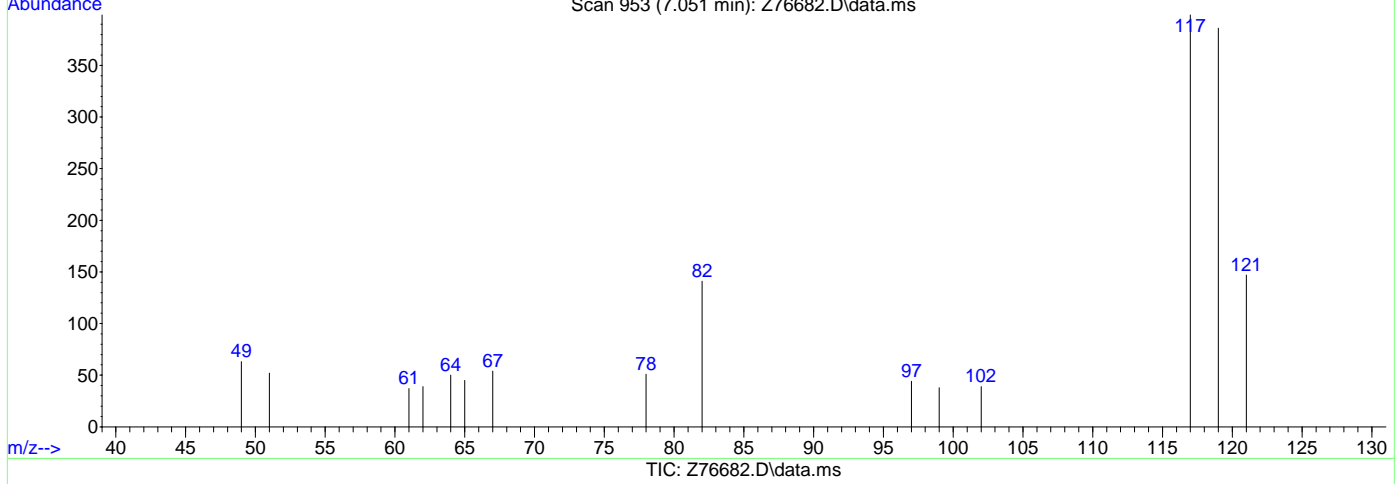
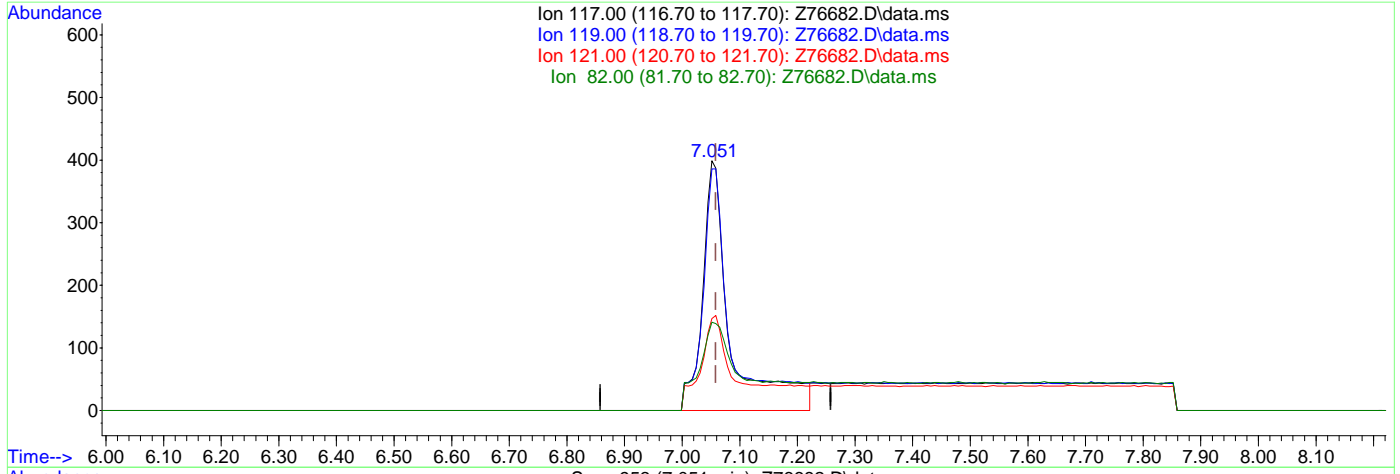
7.1.10.3
7

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\083024\
Data File : Z76682.D
Acq On : 30 Aug 2024 1:12 pm
Operator : claudias
Sample : FC18326-10
Misc : MS57393,VZ3087,,,,,
ALS Vial : 15 Sample Multiplier: 1

Inst : MSVOA15-Z

Quant Time: Aug 30 13:29:46 2024
Quant Method : C:\msdchem\1\methods\SIMCL-08-28-2024.M
Quant Title : Standard Methods 6200B
QLast Update : Wed Aug 28 11:30:23 2024
Response via : Initial Calibration



(10) Carbon Tetrachloride ()

7.051min (-0.007) 0.49ug/L

response 1340

Ion	Exp%	Act%
117.00	100	100
119.00	96.20	96.74
121.00	31.20	36.84
82.00	20.80	35.34



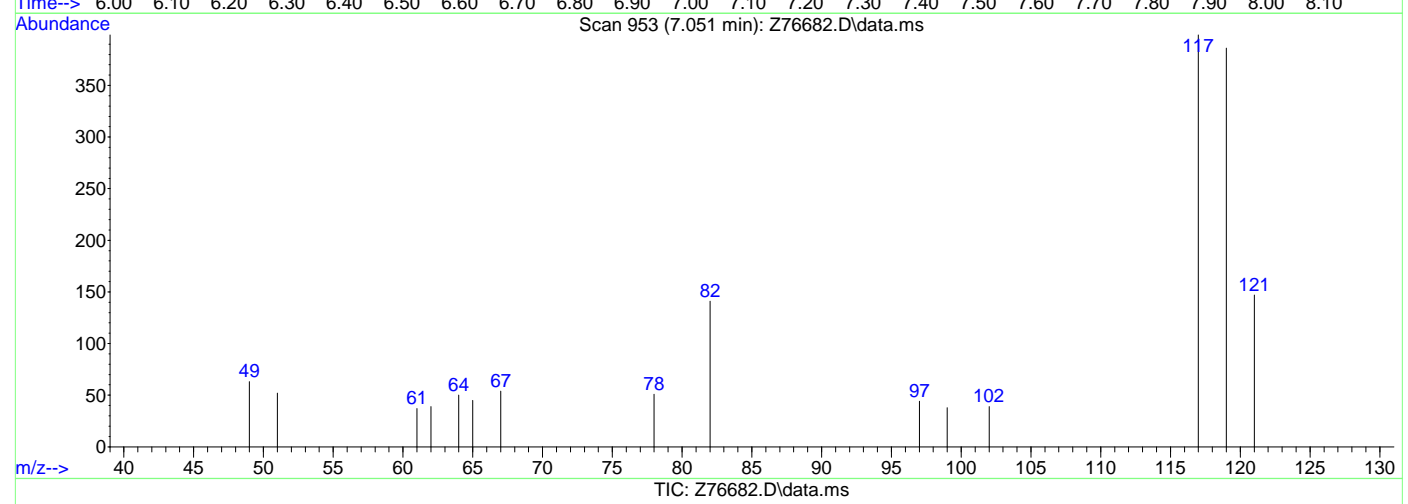
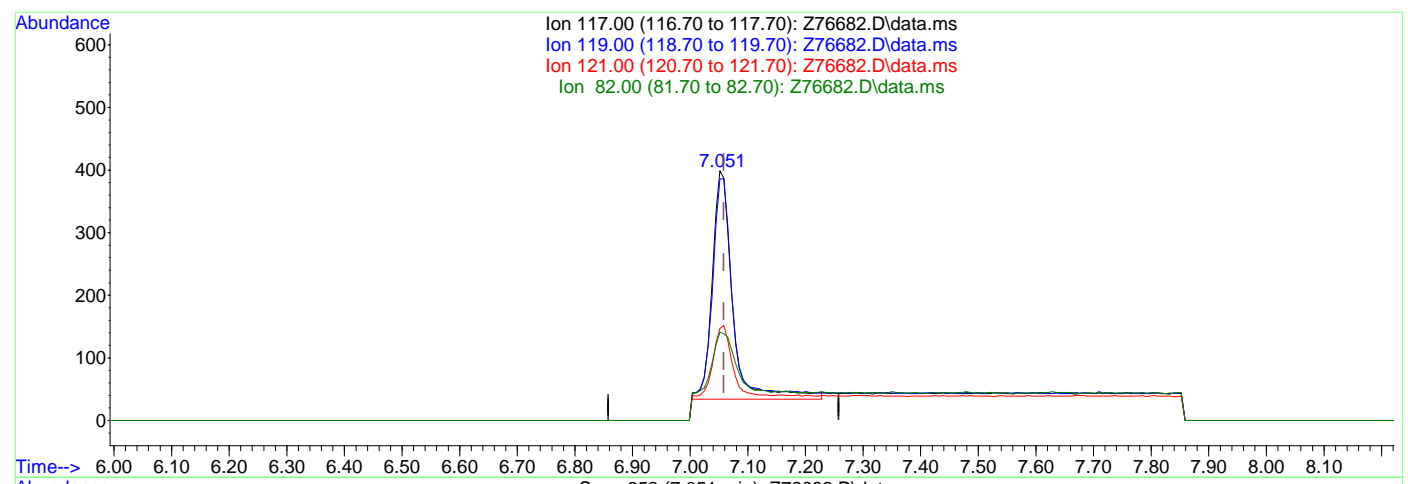
7.1.10.4
7

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\083024\
Data File : Z76682.D
Acq On : 30 Aug 2024 1:12 pm
Operator : claudias
Sample : FC18326-10
Misc : MS57393,VZ3087,,,,,
ALS Vial : 15 Sample Multiplier: 1

Inst : MSVOA15-Z

Quant Time: Aug 30 13:29:46 2024
Quant Method : C:\msdchem\1\methods\SIMCL-08-28-2024.M
Quant Title : Standard Methods 6200B
QLast Update : Wed Aug 28 11:30:23 2024
Response via : Initial Calibration



(10) Carbon Tetrachloride ()

7.051min (-0.007) 0.33ug/L m

response 899

Ion	Exp%	Act%
117.00	100	100
119.00	96.20	96.74
121.00	31.20	36.84
82.00	20.80	35.34



7.1.10.5
7

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\083024\
Data File : Z76683.D
Acq On : 30 Aug 2024 1:35 pm
Operator : claudias
Sample : FC18326-11 Inst : MSVOA15-Z
Misc : MS57393,VZ3087,,,,,
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Sep 03 07:00:18 2024
Quant Method : C:\msdchem\1\methods\SIMCL-08-28-2024.M
Quant Title : Standard Methods 6200B
QLast Update : Wed Aug 28 11:30:23 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Fluorobenzene	7.894	96	20504	5.00	ug/L	0.00
18) Chlorobenzene-d5	10.980	117	23385	5.00	ug/L	0.00
System Monitoring Compounds						
13) 1,2-Dichloroethane-d4	7.628	65	6716	5.41	ug/L	0.00
Spiked Amount	5.000	Range 74 - 125	Recovery	=	108.20%	
19) Toluene-d8	9.428	98	25146	4.82	ug/L	0.00
Spiked Amount	5.000	Range 88 - 111	Recovery	=	96.40%	
Target Compounds						
5) Methylene Chloride	5.213	49	287	0.09	ug/L	94
9) Chloroform	6.883	83	1075m	0.29	ug/L	
10) Carbon Tetrachloride	7.051	117	1593m	0.59	ug/L	
15) Trichloroethene	8.060	95	1165	0.71	ug/L	89
21) Tetrachloroethene	9.874	166	142	0.08	ug/L #	88

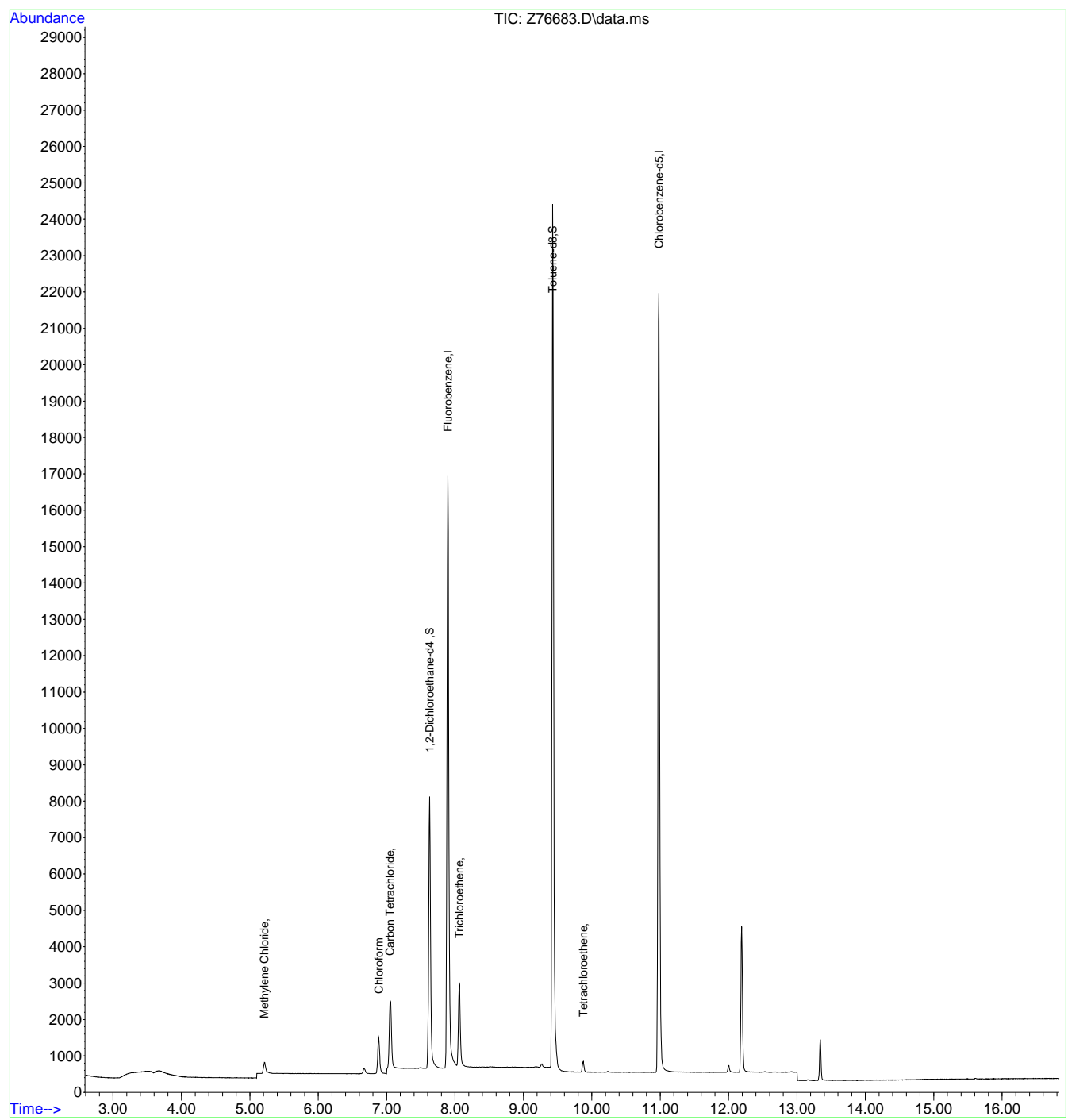
(#) = qualifier out of range (m) = manual integration (+) = signals summed

7.1.11
7

Quantitation Report (QT Reviewed)

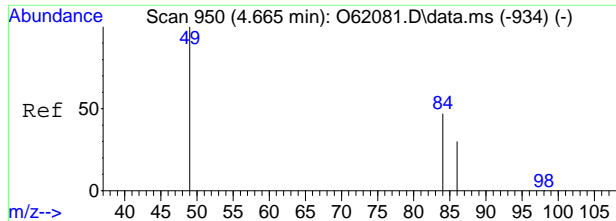
Data Path : C:\msdchem\1\data\083024\
Data File : Z76683.D
Acq On : 30 Aug 2024 1:35 pm
Operator : claudias
Sample : FC18326-11 Inst : MSVOA15-Z
Misc : MS57393,VZ3087,,,,,
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Sep 03 07:00:18 2024
Quant Method : C:\msdchem\1\methods\SIMCL-08-28-2024.M
Quant Title : Standard Methods 6200B
QLast Update : Wed Aug 28 11:30:23 2024
Response via : Initial Calibration



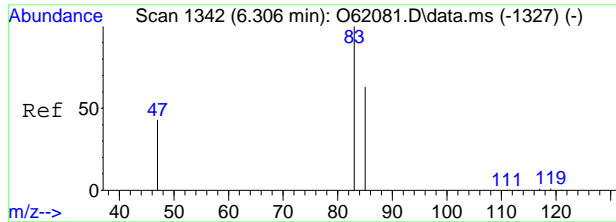
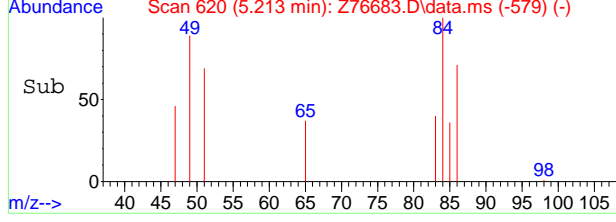
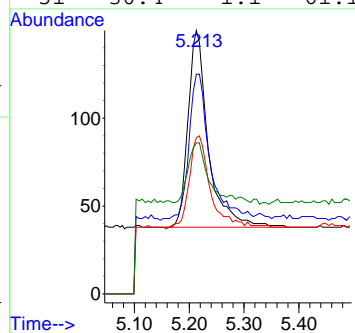
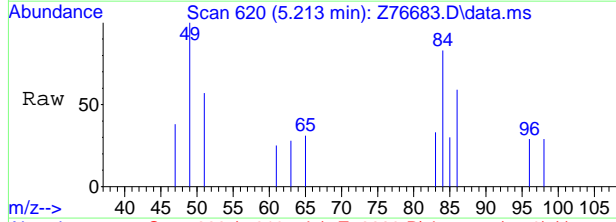
7.1.11
7





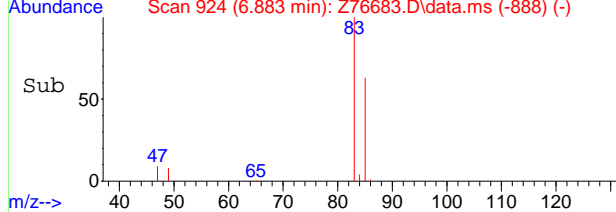
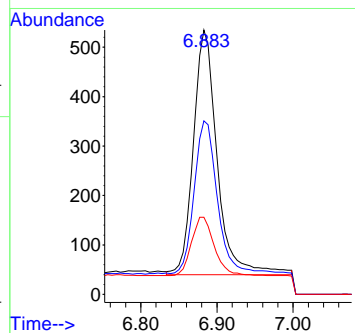
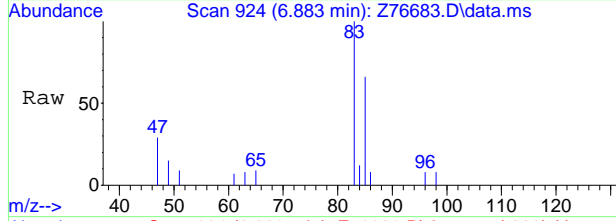
#5
 Methylene Chloride
 Concen: 0.09 ug/L
 RT: 5.213 min Scan# 620
 Delta R.T. 0.000 min
 Lab File: Z76683.D
 Acq: 30 Aug 2024 1:35 pm

Tgt Ion	Ratio	Lower	Upper
49	100		
84	73.2	49.7	109.7
86	46.4	22.0	82.0
51	30.4	1.1	61.1



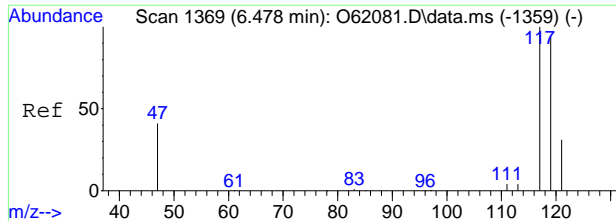
#9
 Chloroform
 Concen: 0.29 ug/L m
 RT: 6.883 min Scan# 924
 Delta R.T. -0.000 min
 Lab File: Z76683.D
 Acq: 30 Aug 2024 1:35 pm

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.6	35.9	95.9
47	29.2	0.0	51.0



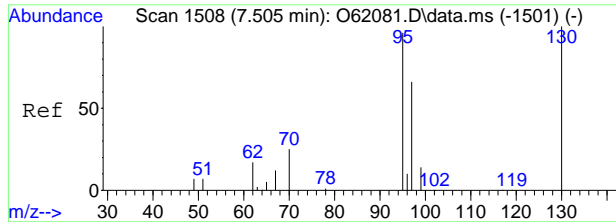
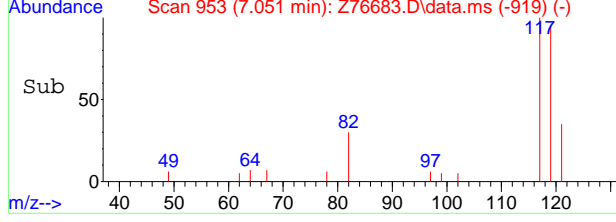
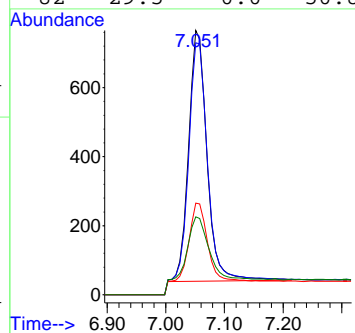
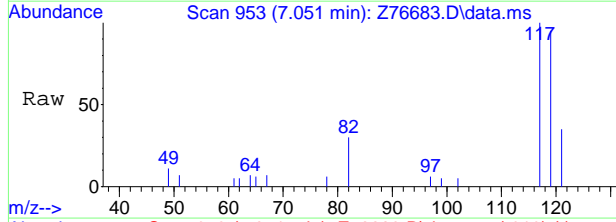
7.1.11
7





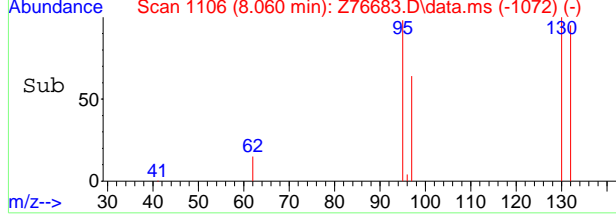
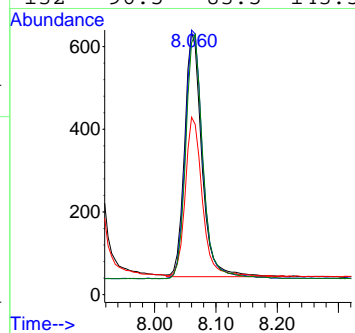
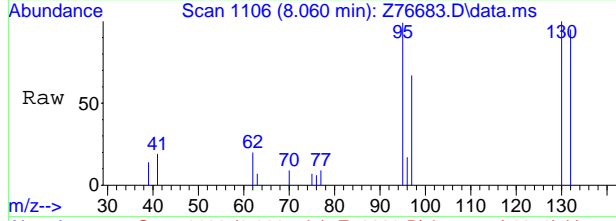
#10
 Carbon Tetrachloride
 Concen: 0.59 ug/L m
 RT: 7.051 min Scan# 953
 Delta R.T. -0.007 min
 Lab File: Z76683.D
 Acq: 30 Aug 2024 1:35 pm

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.3	66.2	126.2
121	34.7	1.2	61.2
82	29.5	0.0	50.8



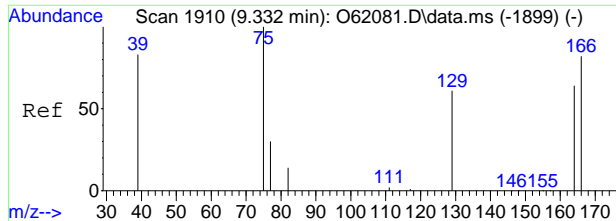
#15
 Trichloroethene
 Concen: 0.71 ug/L
 RT: 8.060 min Scan# 1106
 Delta R.T. -0.001 min
 Lab File: Z76683.D
 Acq: 30 Aug 2024 1:35 pm

Tgt Ion	Ratio	Lower	Upper
95	100		
130	101.5	84.5	144.5
97	64.9	36.4	96.4
132	96.5	83.5	143.5

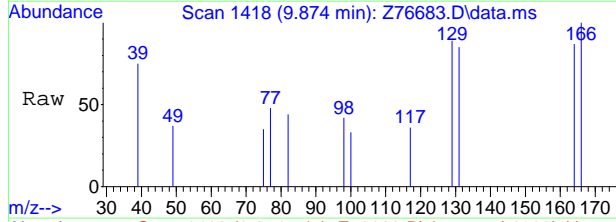


7.1.11
7



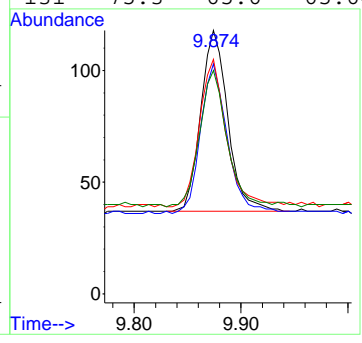
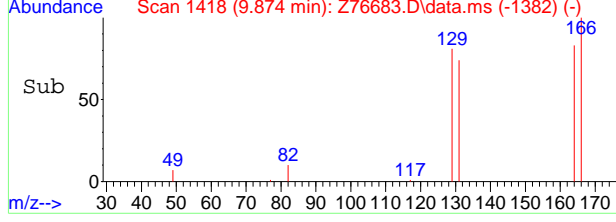


#21
 Tetrachloroethene
 Concen: 0.08 ug/L
 RT: 9.874 min Scan# 1418
 Delta R.T. 0.000 min
 Lab File: Z76683.D
 Acq: 30 Aug 2024 1:35 pm



Tgt Ion: 166 Resp: 142

Ion	Ratio	Lower	Upper
166	100		
164	81.5	47.5	107.5
129	81.5	34.2	94.2
131	75.3	65.6	65.6#



7.1.11
7



Manual Integration Approval Summary

Sample Number: FC18326-11
Lab FileID: Z76683.D
Injection Time: 08/30/24 13:35

Method: SW846 8260D BY SIM
Analyst approved: 09/03/24 08:25 Claudia Sosa
Supervisor approved: 09/03/24 11:12 Karen Watson

Parameter	CAS	Sig#	R.T. (min.)	Reason
Chloroform	67-66-3		6.88	Poor instrument integration
Carbon Tetrachloride	56-23-5		7.05	Poor instrument integration

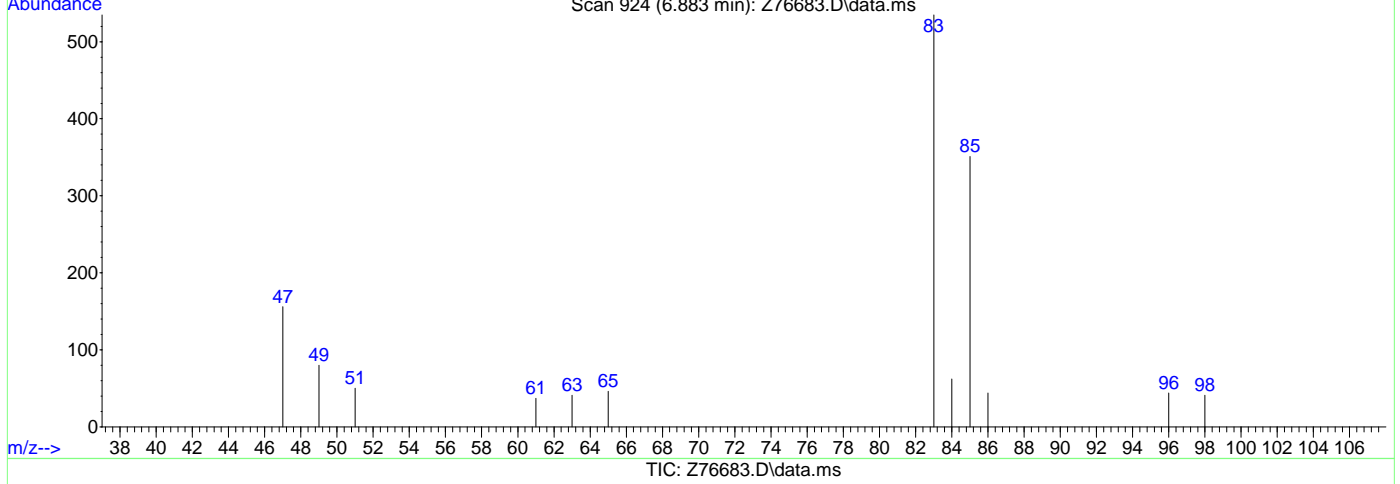
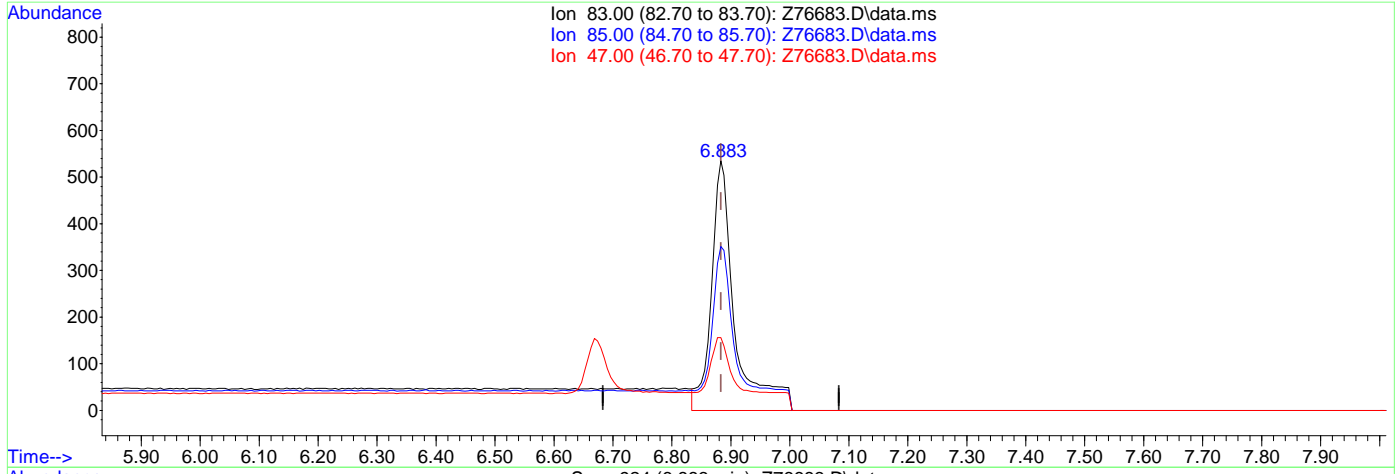
7.1.11.1
7

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\083024\
Data File : Z76683.D
Acq On : 30 Aug 2024 1:35 pm
Operator : claudias
Sample : FC18326-11
Misc : MS57393,VZ3087,,,,,
ALS Vial : 16 Sample Multiplier: 1

Inst : MSVOA15-Z

Quant Time: Sep 03 06:58:49 2024
Quant Method : C:\msdchem\1\methods\SIMCL-08-28-2024.M
Quant Title : Standard Methods 6200B
QLast Update : Wed Aug 28 11:30:23 2024
Response via : Initial Calibration



(9) Chloroform

6.883min (-0.000) 0.41ug/L

response 1481

Ion	Exp%	Act%
83.00	100	100
85.00	65.90	65.61
47.00	21.00	29.16
0.00	0.00	0.00



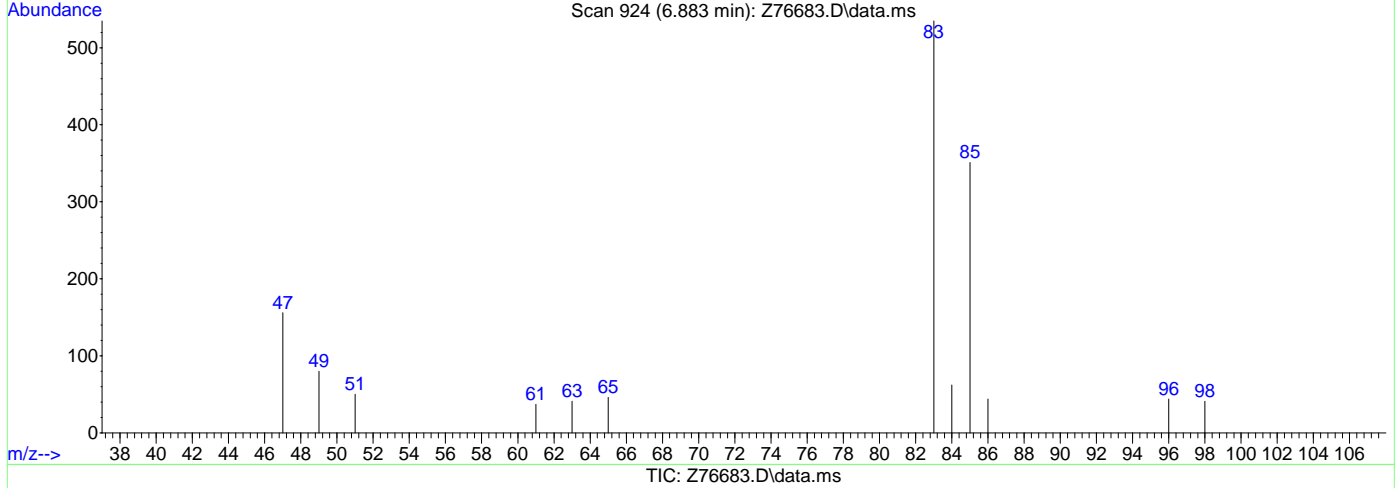
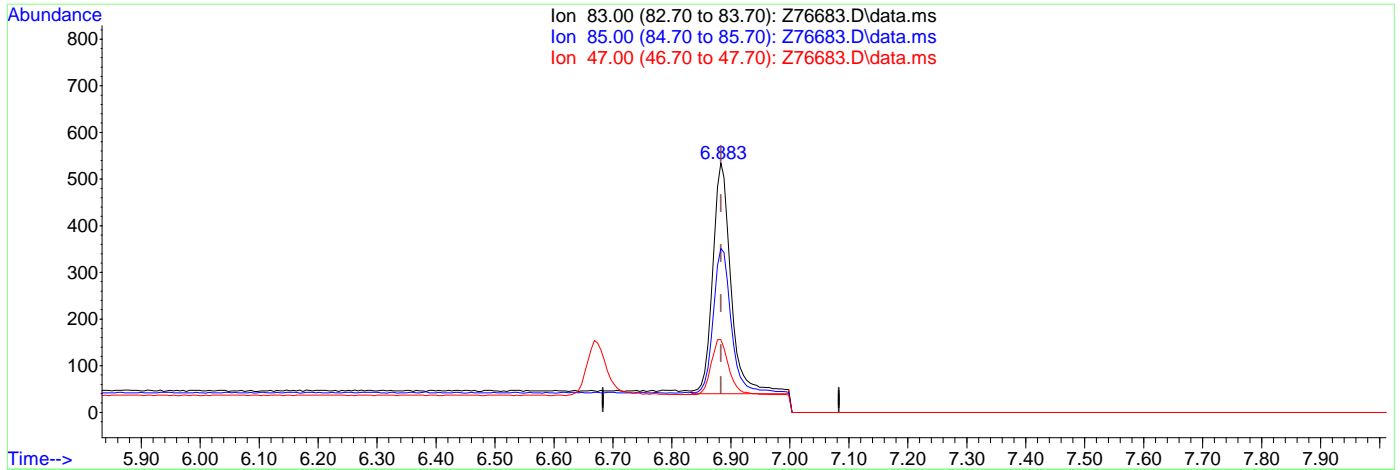
7.1.11.2
7

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\083024\
 Data File : Z76683.D
 Acq On : 30 Aug 2024 1:35 pm
 Operator : claudias
 Sample : FC18326-11
 Misc : MS57393,VZ3087,,,,,
 ALS Vial : 16 Sample Multiplier: 1

Inst : MSVOA15-Z

Quant Time: Sep 03 06:58:49 2024
 Quant Method : C:\msdchem\1\methods\SIMCL-08-28-2024.M
 Quant Title : Standard Methods 6200B
 QLast Update : Wed Aug 28 11:30:23 2024
 Response via : Initial Calibration



(9) Chloroform

6.883min (-0.000) 0.29ug/L m

response 1075

Ion	Exp%	Act%
83.00	100	100
85.00	65.90	65.61
47.00	21.00	29.16
0.00	0.00	0.00

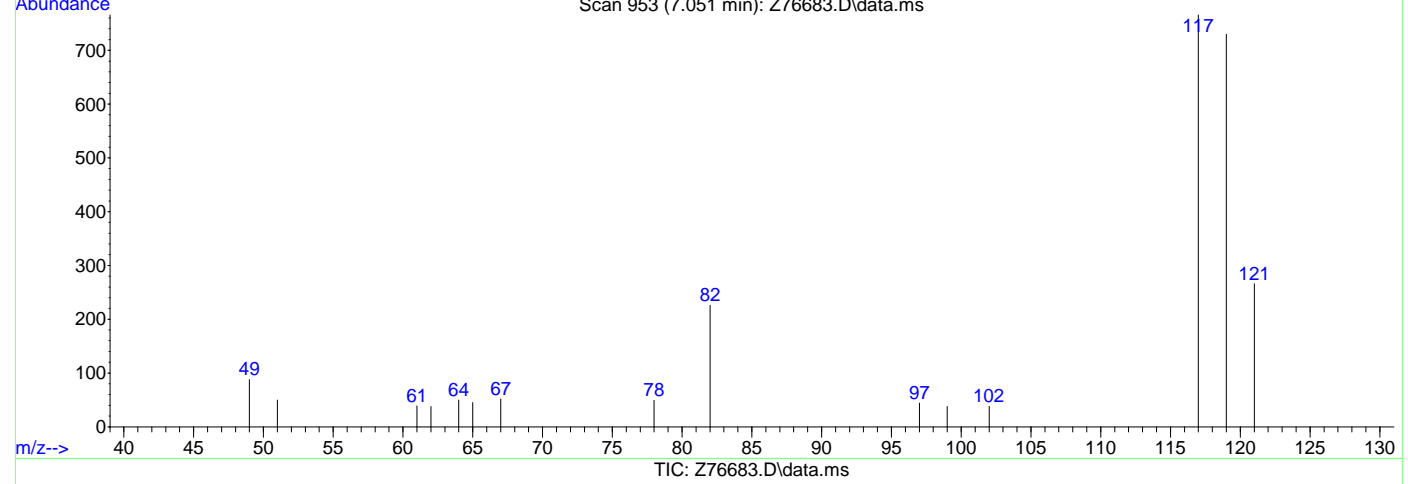
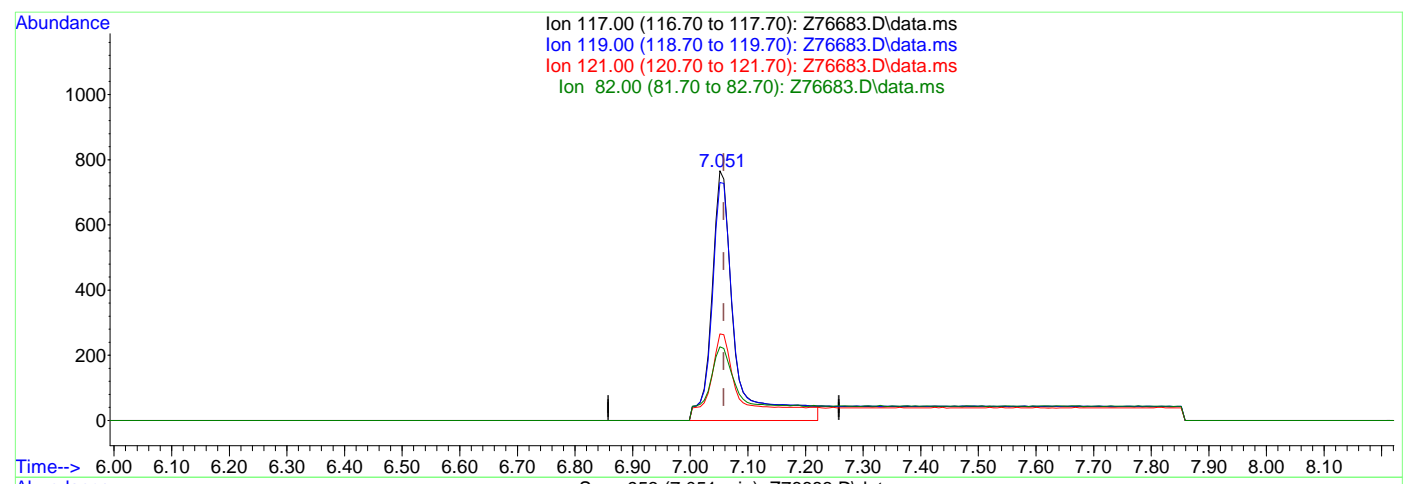
7.1.11.3
7

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\083024\
Data File : Z76683.D
Acq On : 30 Aug 2024 1:35 pm
Operator : claudias
Sample : FC18326-11
Misc : MS57393,VZ3087,,,,,
ALS Vial : 16 Sample Multiplier: 1

Inst : MSVOA15-Z

Quant Time: Sep 03 06:58:49 2024
Quant Method : C:\msdchem\1\methods\SIMCL-08-28-2024.M
Quant Title : Standard Methods 6200B
QLast Update : Wed Aug 28 11:30:23 2024
Response via : Initial Calibration



(10) Carbon Tetrachloride ()

7.051min (-0.007) 0.78ug/L

response 2110

Ion	Exp%	Act%
117.00	100	100
119.00	96.20	95.30
121.00	31.20	34.73
82.00	20.80	29.50



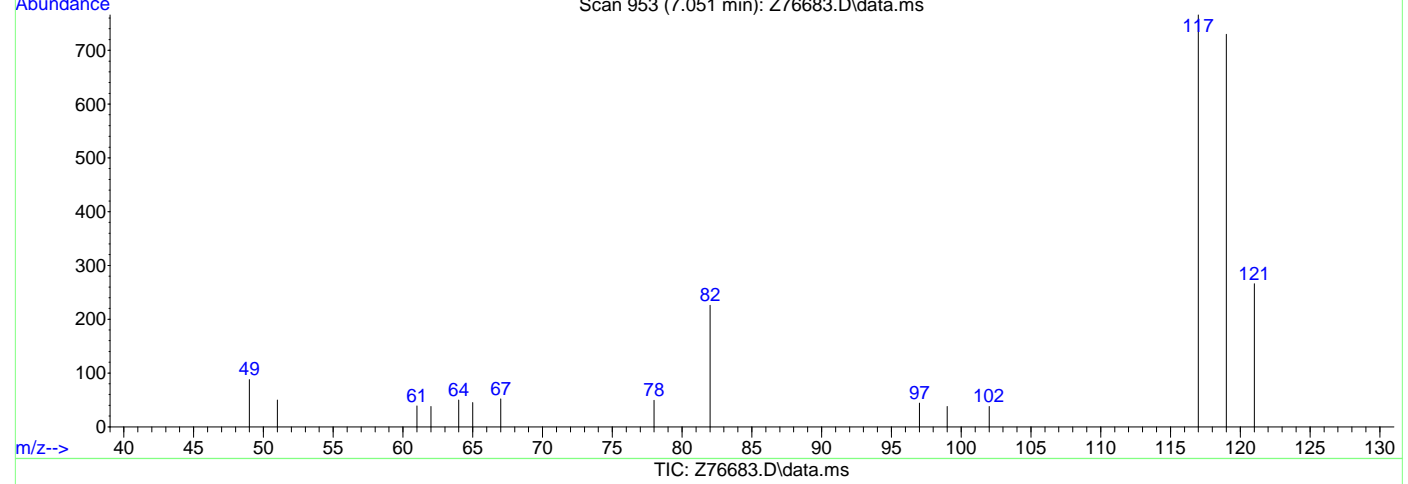
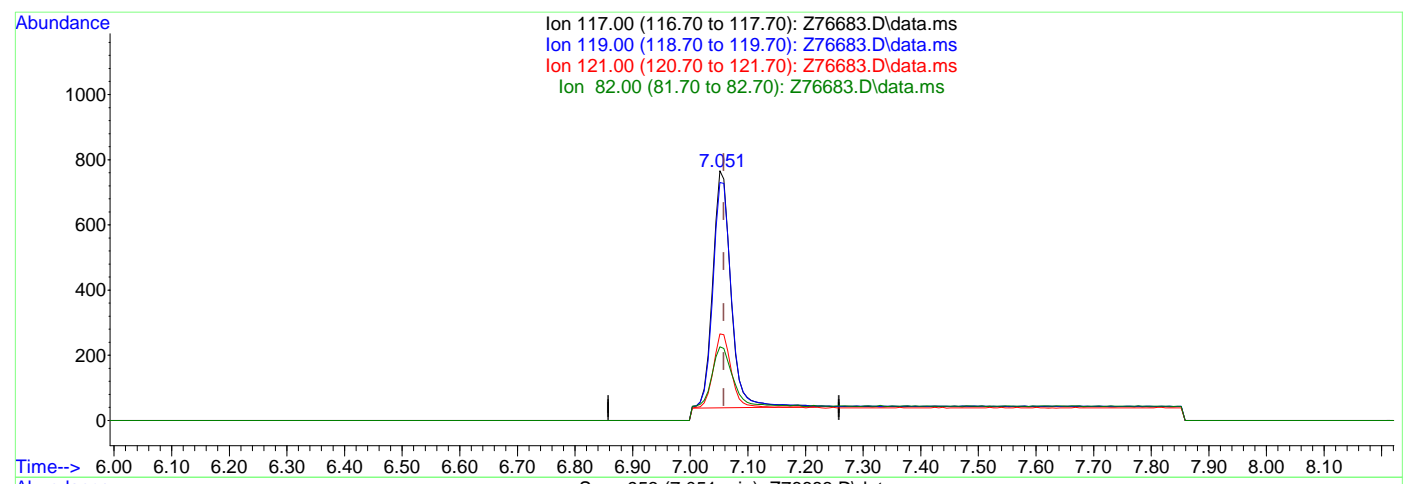
7.1.11.4
7

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\083024\
Data File : Z76683.D
Acq On : 30 Aug 2024 1:35 pm
Operator : claudias
Sample : FC18326-11
Misc : MS57393,VZ3087,,,,,
ALS Vial : 16 Sample Multiplier: 1

Inst : MSVOA15-Z

Quant Time: Sep 03 06:58:49 2024
Quant Method : C:\msdchem\1\methods\SIMCL-08-28-2024.M
Quant Title : Standard Methods 6200B
QLast Update : Wed Aug 28 11:30:23 2024
Response via : Initial Calibration



(10) Carbon Tetrachloride ()

7.051min (-0.007) 0.59ug/L m

response 1593

Ion	Exp%	Act%
117.00	100	100
119.00	96.20	95.30
121.00	31.20	34.73
82.00	20.80	29.50



7.1.11.5
7

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\083024\
Data File : Z76684.D
Acq On : 30 Aug 2024 1:58 pm
Operator : claudias
Sample : FC18326-12 Inst : MSVOA15-Z
Misc : MS57393,VZ3087,,,,,
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Sep 03 07:01:33 2024
Quant Method : C:\msdchem\1\methods\SIMCL-08-28-2024.M
Quant Title : Standard Methods 6200B
QLast Update : Wed Aug 28 11:30:23 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	

Internal Standards							
1) Fluorobenzene	7.894	96	20378	5.00	ug/L	0.00	
18) Chlorobenzene-d5	10.980	117	23493	5.00	ug/L	0.00	
System Monitoring Compounds							
13) 1,2-Dichloroethane-d4	7.628	65	6761	5.48	ug/L	0.00	
Spiked Amount	5.000	Range	74 - 125	Recovery	=	109.60%	
19) Toluene-d8	9.428	98	25160	4.80	ug/L	0.00	
Spiked Amount	5.000	Range	88 - 111	Recovery	=	96.00%	
Target Compounds							
5) Methylene Chloride	5.213	49	306	0.10	ug/L		96
9) Chloroform	6.883	83	1045m	0.29	ug/L		
10) Carbon Tetrachloride	7.051	117	1586m	0.59	ug/L		
15) Trichloroethene	8.060	95	1124	0.69	ug/L		87
21) Tetrachloroethene	9.874	166	151	0.08	ug/L #		87

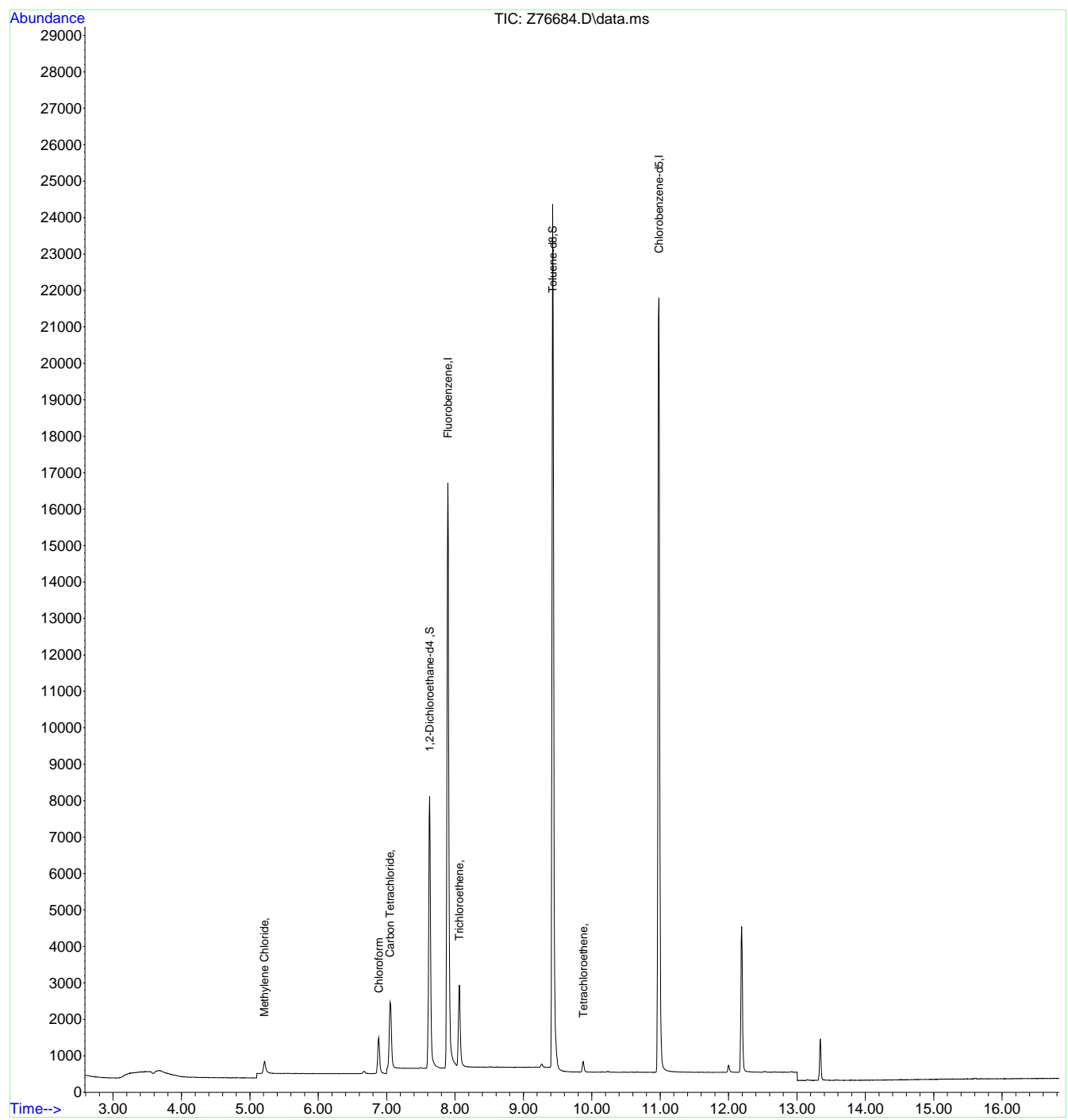
(#) = qualifier out of range (m) = manual integration (+) = signals summed

7.1.12
7

Quantitation Report (QT Reviewed)

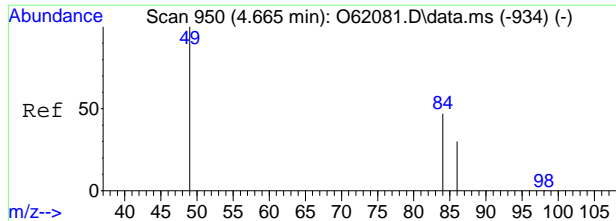
Data Path : C:\msdchem\1\data\083024\
Data File : Z76684.D
Acq On : 30 Aug 2024 1:58 pm
Operator : claudias
Sample : FC18326-12 Inst : MSVOA15-Z
Misc : MS57393,VZ3087,,,,,
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Sep 03 07:01:33 2024
Quant Method : C:\msdchem\1\methods\SIMCL-08-28-2024.M
Quant Title : Standard Methods 6200B
QLast Update : Wed Aug 28 11:30:23 2024
Response via : Initial Calibration



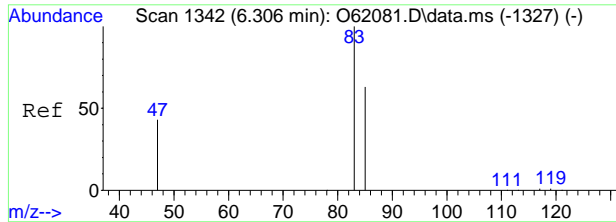
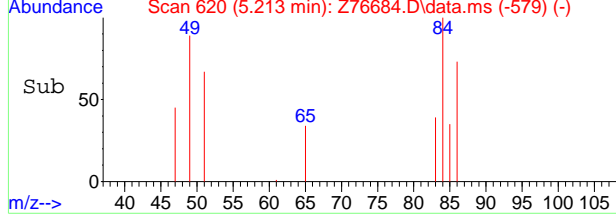
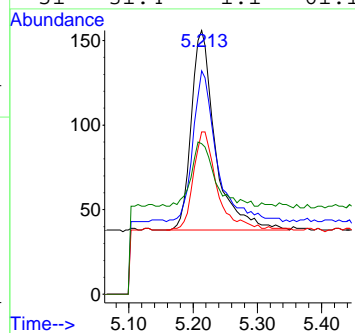
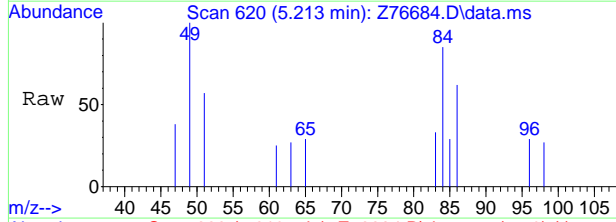
7.1.12
7





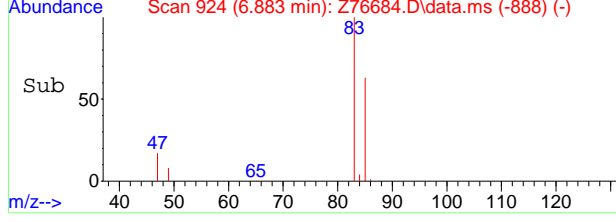
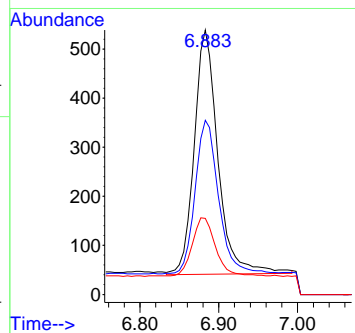
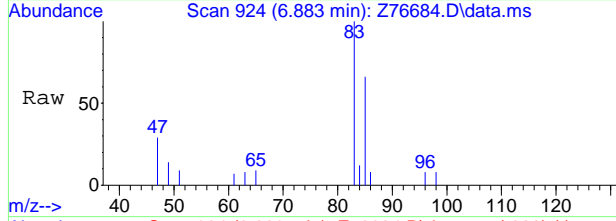
#5
 Methylene Chloride
 Concen: 0.10 ug/L
 RT: 5.213 min Scan# 620
 Delta R.T. 0.000 min
 Lab File: Z76684.D
 Acq: 30 Aug 2024 1:58 pm

Tgt Ion	Ratio	Lower	Upper
49	100		
84	75.4	49.7	109.7
86	49.2	22.0	82.0
51	31.4	1.1	61.1



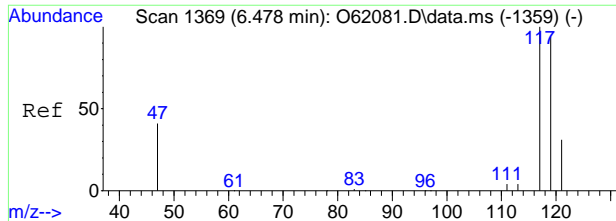
#9
 Chloroform
 Concen: 0.29 ug/L m
 RT: 6.883 min Scan# 924
 Delta R.T. -0.000 min
 Lab File: Z76684.D
 Acq: 30 Aug 2024 1:58 pm

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.9	35.9	95.9
47	28.8	0.0	51.0



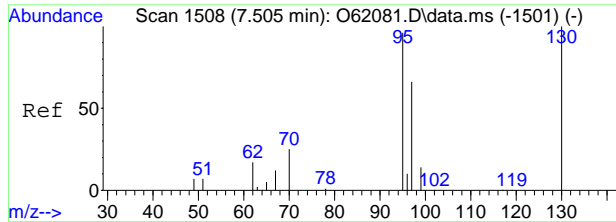
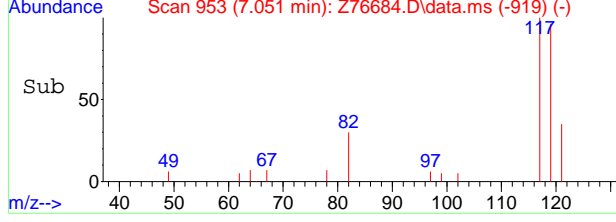
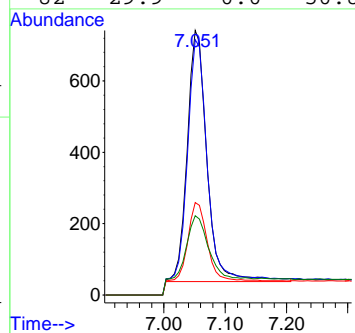
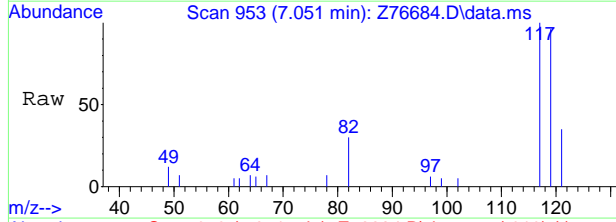
7.1.12
7





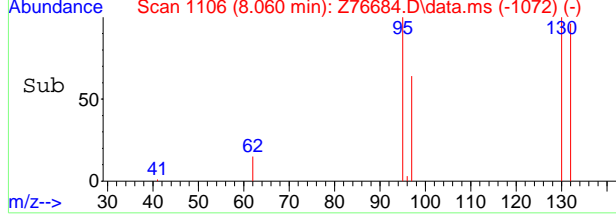
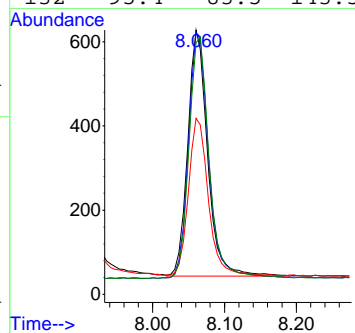
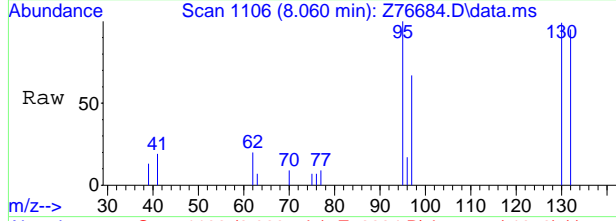
#10
 Carbon Tetrachloride
 Concen: 0.59 ug/L m
 RT: 7.051 min Scan# 953
 Delta R.T. -0.007 min
 Lab File: Z76684.D
 Acq: 30 Aug 2024 1:58 pm

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.5	66.2	126.2
121	34.9	1.2	61.2
82	29.9	0.0	50.8



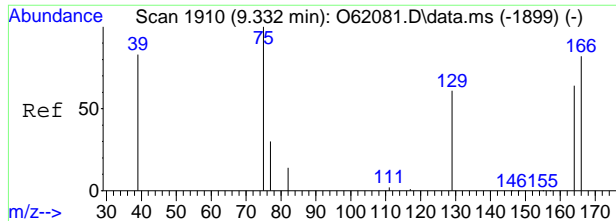
#15
 Trichloroethene
 Concen: 0.69 ug/L
 RT: 8.060 min Scan# 1106
 Delta R.T. -0.001 min
 Lab File: Z76684.D
 Acq: 30 Aug 2024 1:58 pm

Tgt Ion	Ratio	Lower	Upper
95	100		
130	99.7	84.5	144.5
97	63.6	36.4	96.4
132	95.4	83.5	143.5

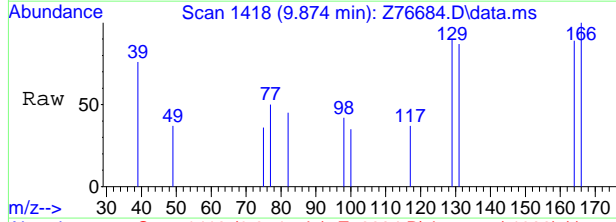


7.1.12
7



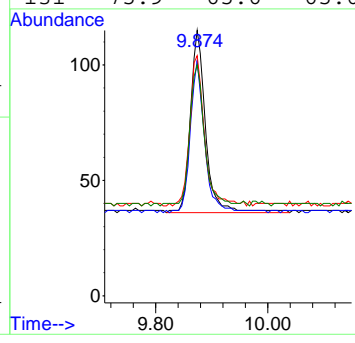
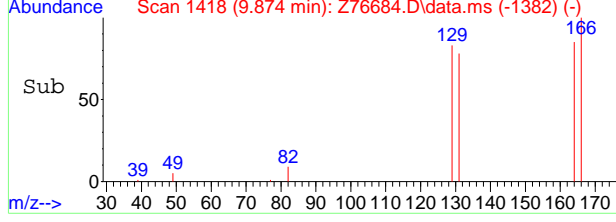


#21
 Tetrachloroethene
 Concen: 0.08 ug/L
 RT: 9.874 min Scan# 1418
 Delta R.T. 0.000 min
 Lab File: Z76684.D
 Acq: 30 Aug 2024 1:58 pm



Tgt Ion: 166 Resp: 151

Ion	Ratio	Lower	Upper
166	100		
164	82.3	47.5	107.5
129	82.3	34.2	94.2
131	75.9	65.6	65.6#



7.1.12
7



Manual Integration Approval Summary

Sample Number: FC18326-12 **Method:** SW846 8260D BY SIM
Lab FileID: Z76684.D **Analyst approved:** 09/03/24 08:25 Claudia Sosa
Injection Time: 08/30/24 13:58 **Supervisor approved:** 09/03/24 11:12 Karen Watson

Parameter	CAS	Sig#	R.T. (min.)	Reason
Chloroform	67-66-3		6.88	Poor instrument integration
Carbon Tetrachloride	56-23-5		7.05	Poor instrument integration

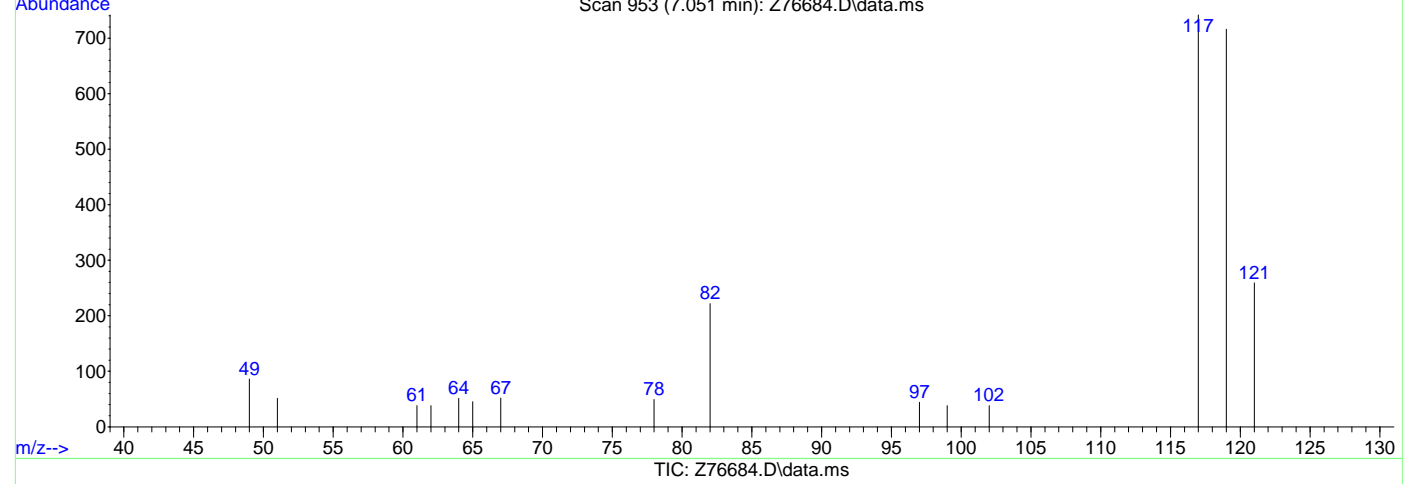
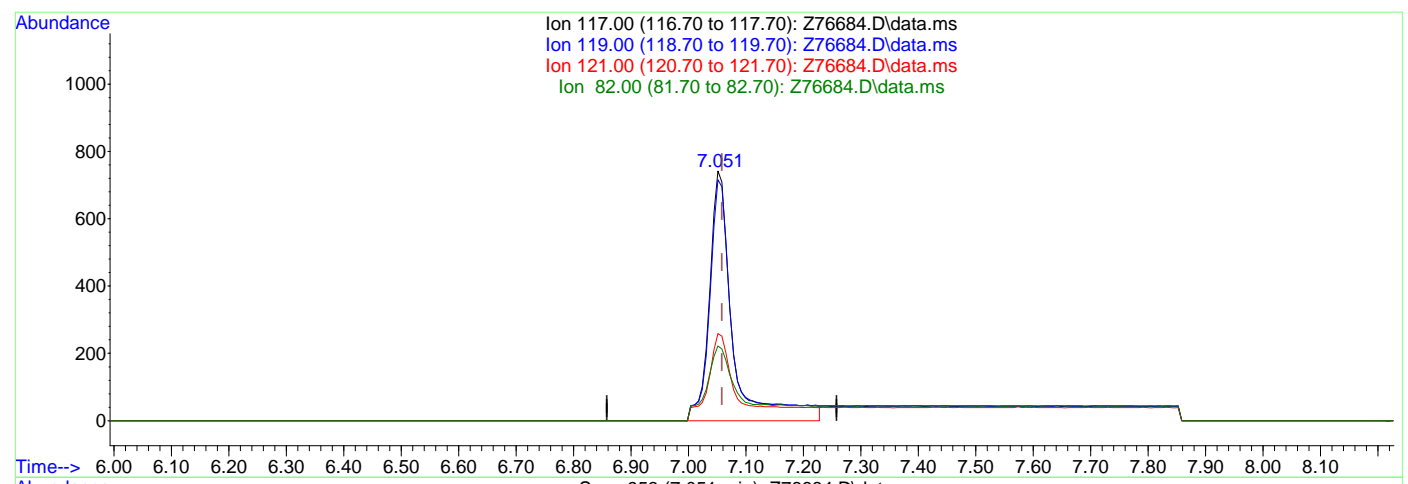
7.1.12.1

7

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\083024\
Data File : Z76684.D
Acq On : 30 Aug 2024 1:58 pm
Operator : claudias
Sample : FC18326-12
Misc : MS57393,VZ3087,,,,,
ALS Vial : 17 Sample Multiplier: 1
Inst : MSVOA15-Z

Quant Time: Sep 03 06:22:53 2024
Quant Method : C:\msdchem\1\methods\SIMCL-08-28-2024.M
Quant Title : Standard Methods 6200B
QLast Update : Wed Aug 28 11:30:23 2024
Response via : Initial Calibration



(10) Carbon Tetrachloride ()

7.051min (-0.007) 0.78ug/L

response 2086

Ion	Exp%	Act%
117.00	100	100
119.00	96.20	96.50
121.00	31.20	34.91
82.00	20.80	29.92



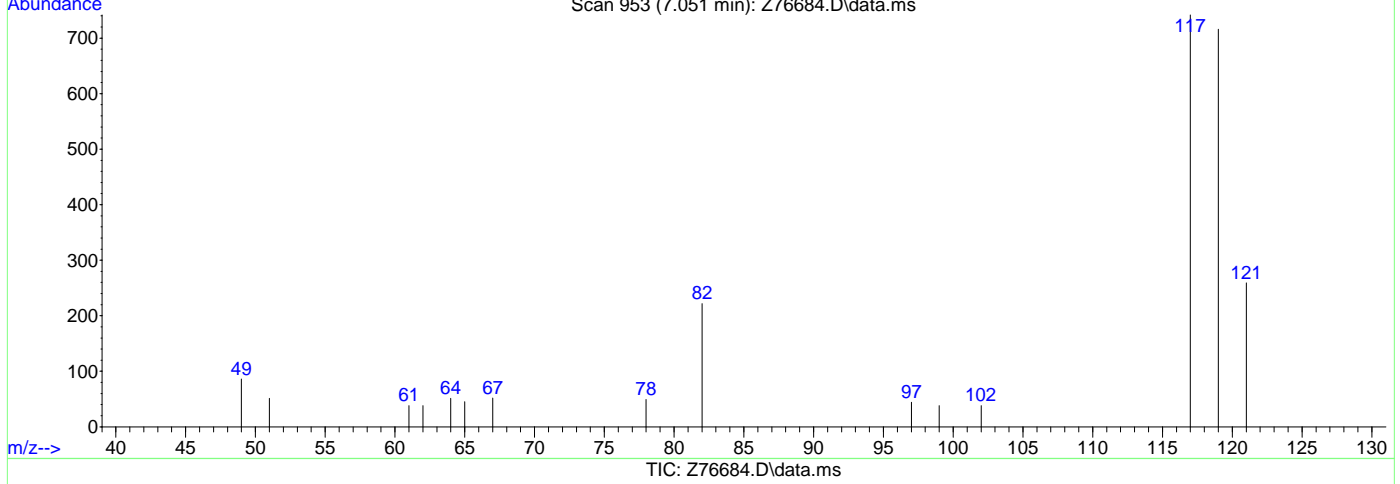
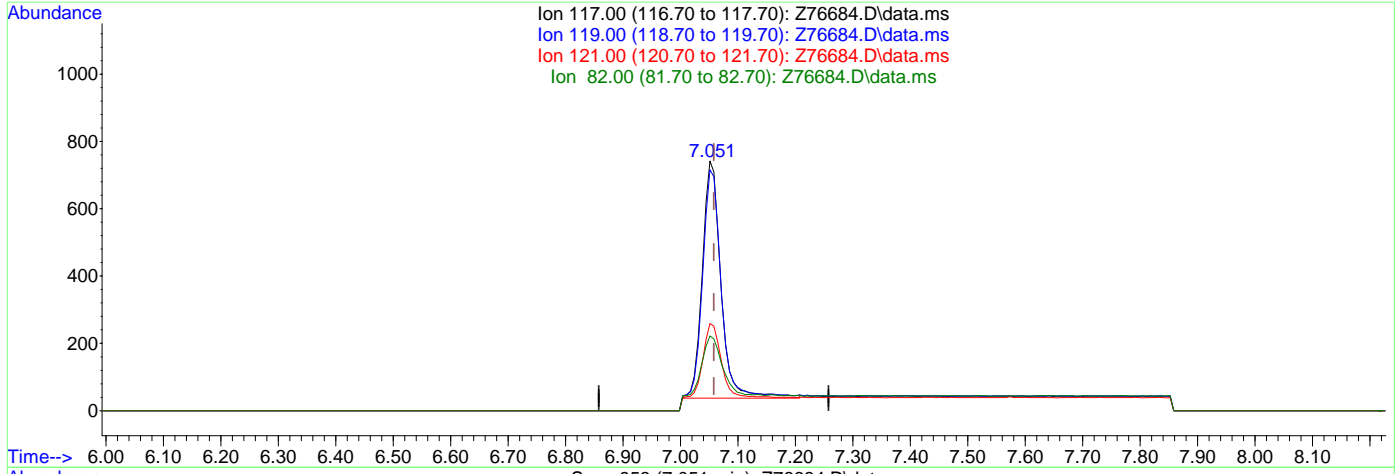
7.1.122
7

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\083024\
Data File : Z76684.D
Acq On : 30 Aug 2024 1:58 pm
Operator : claudias
Sample : FC18326-12
Misc : MS57393,VZ3087,,,,,
ALS Vial : 17 Sample Multiplier: 1

Inst : MSVOA15-Z

Quant Time: Sep 03 06:22:53 2024
Quant Method : C:\msdchem\1\methods\SIMCL-08-28-2024.M
Quant Title : Standard Methods 6200B
QLast Update : Wed Aug 28 11:30:23 2024
Response via : Initial Calibration



(10) Carbon Tetrachloride ()

7.051min (-0.007) 0.59ug/L m

response 1586

Ion	Exp%	Act%
117.00	100	100
119.00	96.20	96.50
121.00	31.20	34.91
82.00	20.80	29.92

7.1.12.3
7

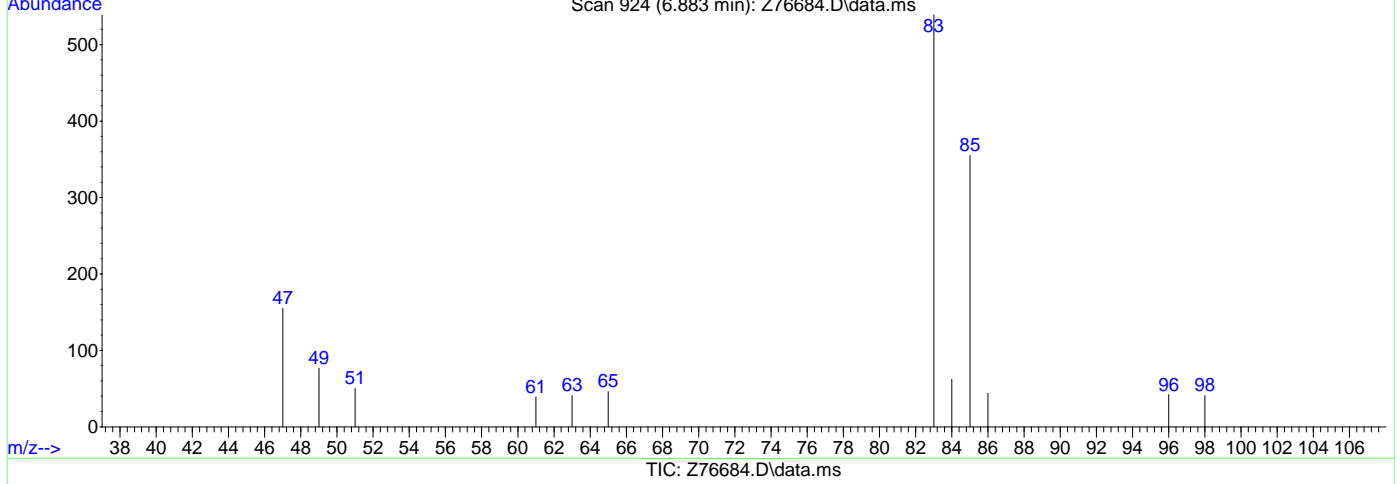
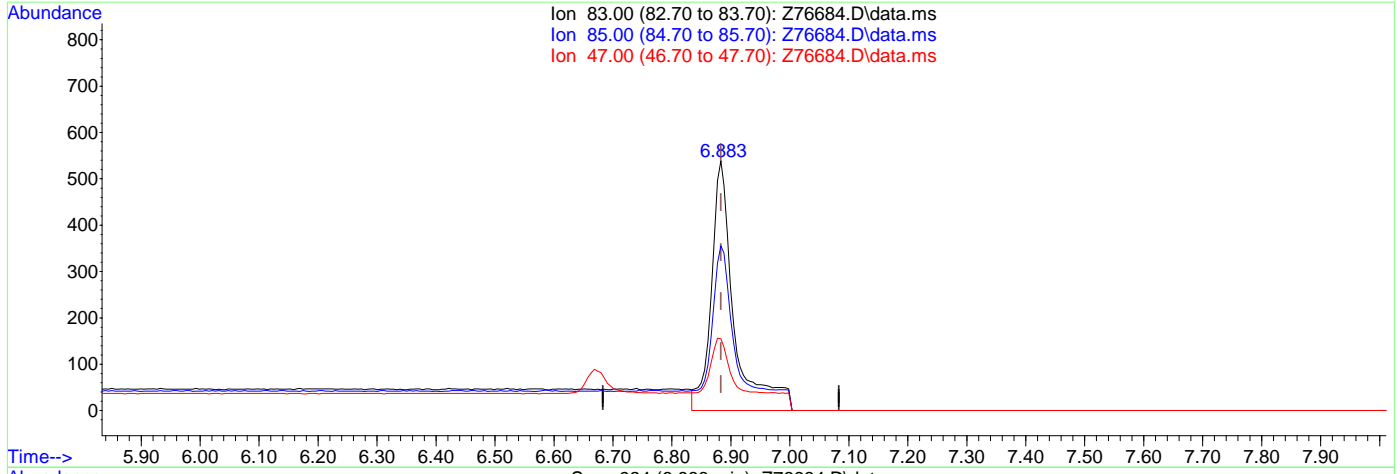


Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\083024\
Data File : Z76684.D
Acq On : 30 Aug 2024 1:58 pm
Operator : claudias
Sample : FC18326-12
Misc : MS57393,VZ3087,,,,,
ALS Vial : 17 Sample Multiplier: 1

Inst : MSVOA15-Z

Quant Time: Sep 03 06:22:53 2024
Quant Method : C:\msdchem\1\methods\SIMCL-08-28-2024.M
Quant Title : Standard Methods 6200B
QLast Update : Wed Aug 28 11:30:23 2024
Response via : Initial Calibration



(9) Chloroform

6.883min (-0.000) 0.40ug/L

response 1467

Ion	Exp%	Act%
83.00	100	100
85.00	65.90	65.86
47.00	21.00	28.76
0.00	0.00	0.00



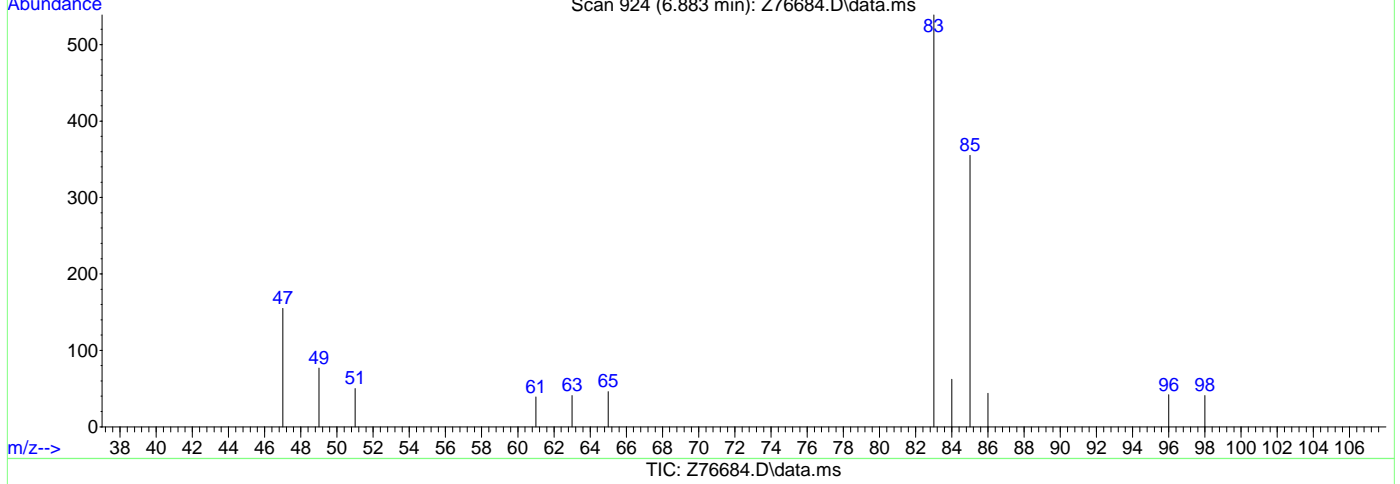
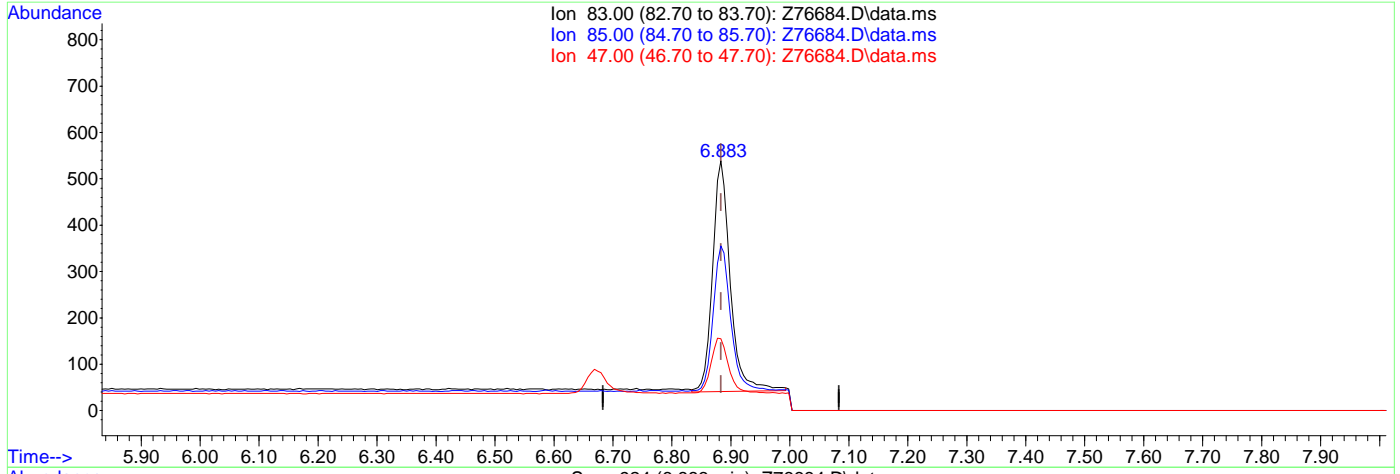
7.1.124
7

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\083024\
Data File : Z76684.D
Acq On : 30 Aug 2024 1:58 pm
Operator : claudias
Sample : FC18326-12
Misc : MS57393,VZ3087,,,,,
ALS Vial : 17 Sample Multiplier: 1

Inst : MSVOA15-Z

Quant Time: Sep 03 06:22:53 2024
Quant Method : C:\msdchem\1\methods\SIMCL-08-28-2024.M
Quant Title : Standard Methods 6200B
QLast Update : Wed Aug 28 11:30:23 2024
Response via : Initial Calibration



(9) Chloroform

6.883min (-0.000) 0.29ug/L m

response 1045

Ion	Exp%	Act%
83.00	100	100
85.00	65.90	65.86
47.00	21.00	28.76
0.00	0.00	0.00



7.1.12.5
7

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\083024\
Data File : Z76685.D
Acq On : 30 Aug 2024 2:21 pm
Operator : claudias
Sample : FC18326-13 Inst : MSVOA15-Z
Misc : MS57393,VZ3087,,,,,
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Sep 03 07:02:44 2024
Quant Method : C:\msdchem\1\methods\SIMCL-08-28-2024.M
Quant Title : Standard Methods 6200B
QLast Update : Wed Aug 28 11:30:23 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	

Internal Standards							
1) Fluorobenzene	7.895	96	20487	5.00	ug/L	0.00	
18) Chlorobenzene-d5	10.980	117	23281	5.00	ug/L	0.00	
System Monitoring Compounds							
13) 1,2-Dichloroethane-d4	7.628	65	6767	5.45	ug/L	0.00	
Spiked Amount	5.000	Range	74 - 125	Recovery	=	109.00%	
19) Toluene-d8	9.428	98	24990	4.81	ug/L	0.00	
Spiked Amount	5.000	Range	88 - 111	Recovery	=	96.20%	
Target Compounds							
5) Methylene Chloride	5.213	49	300	0.10	ug/L		98
9) Chloroform	6.883	83	1183m	0.32	ug/L		
10) Carbon Tetrachloride	7.051	117	2081m	0.77	ug/L		
15) Trichloroethene	8.061	95	753	0.46	ug/L		88
21) Tetrachloroethene	9.874	166	98	0.05	ug/L #		89

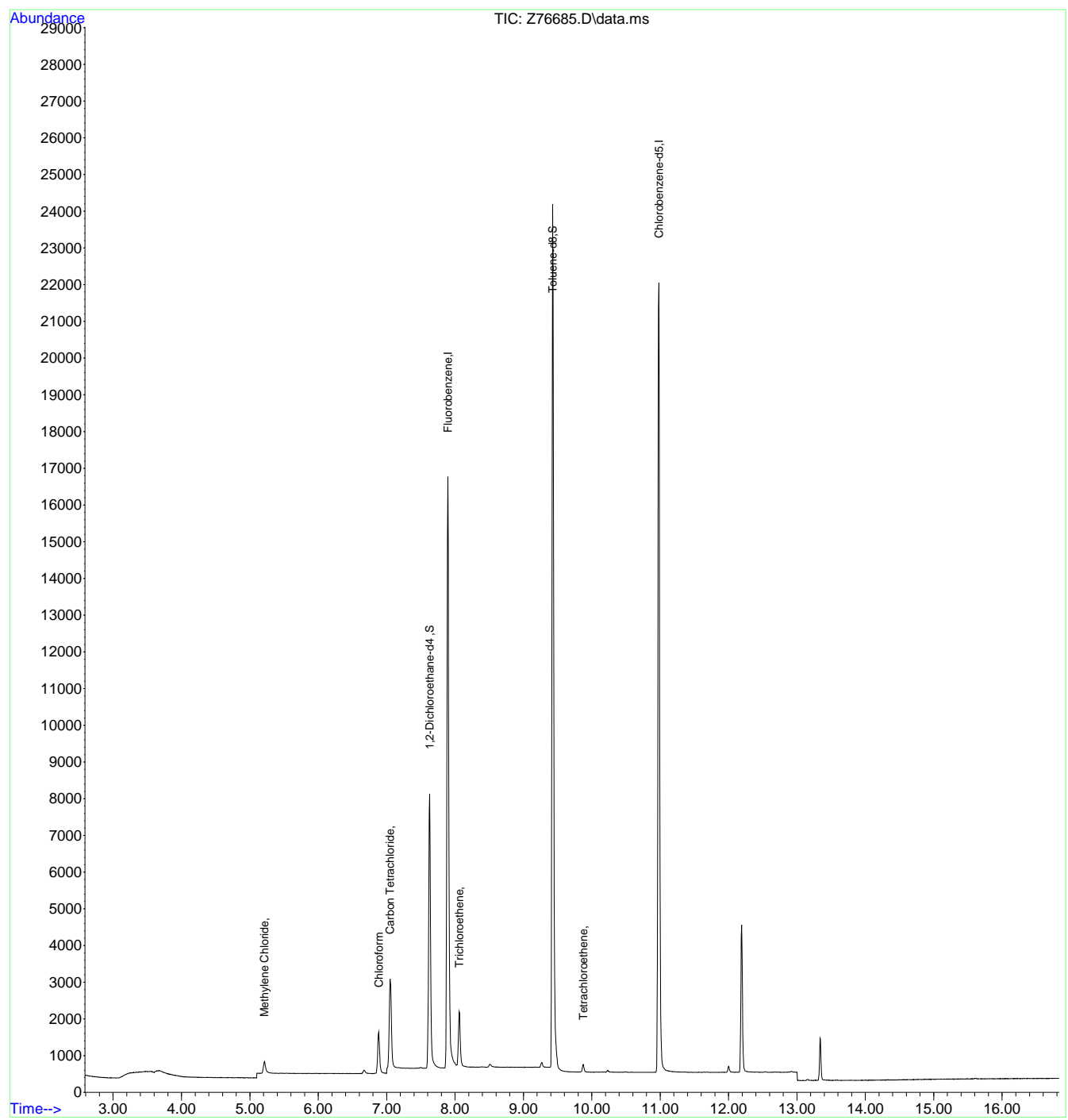
(#) = qualifier out of range (m) = manual integration (+) = signals summed

7.1.13
7

Quantitation Report (QT Reviewed)

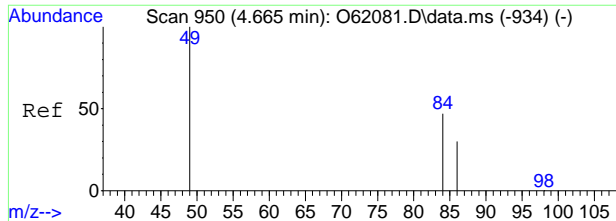
Data Path : C:\msdchem\1\data\083024\
Data File : Z76685.D
Acq On : 30 Aug 2024 2:21 pm
Operator : claudias
Sample : FC18326-13 Inst : MSVOA15-Z
Misc : MS57393,VZ3087,,,,,
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Sep 03 07:02:44 2024
Quant Method : C:\msdchem\1\methods\SIMCL-08-28-2024.M
Quant Title : Standard Methods 6200B
QLast Update : Wed Aug 28 11:30:23 2024
Response via : Initial Calibration



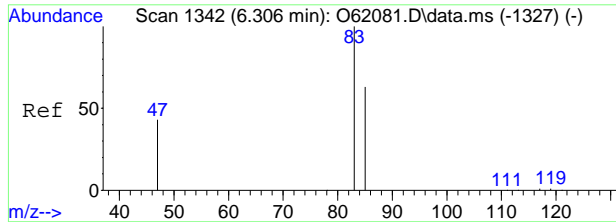
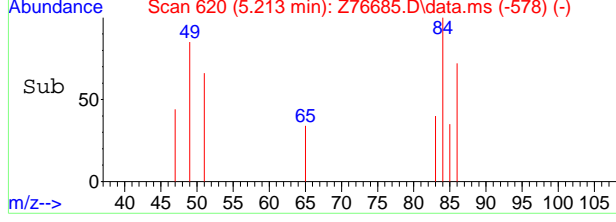
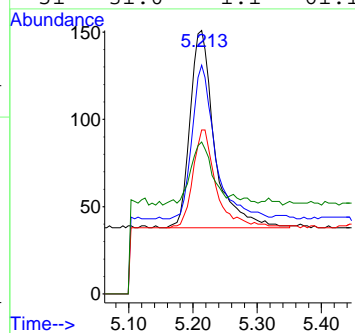
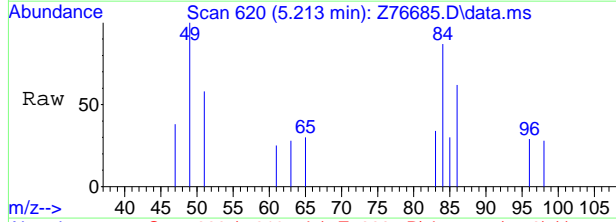
7.1.13
7





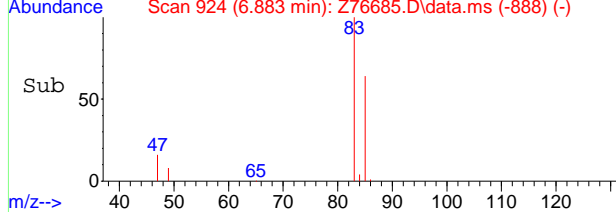
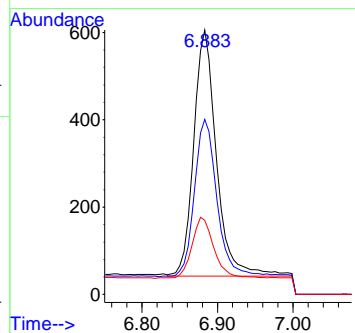
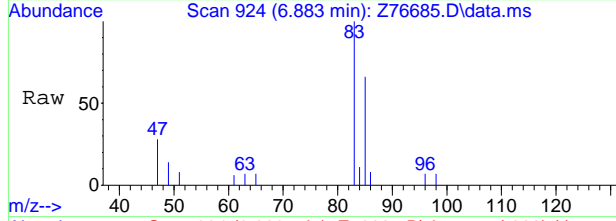
#5
 Methylene Chloride
 Concen: 0.10 ug/L
 RT: 5.213 min Scan# 620
 Delta R.T. 0.000 min
 Lab File: Z76685.D
 Acq: 30 Aug 2024 2:21 pm

Tgt Ion	Ratio	Lower	Upper
49	100		
84	77.9	49.7	109.7
86	49.6	22.0	82.0
51	31.0	1.1	61.1



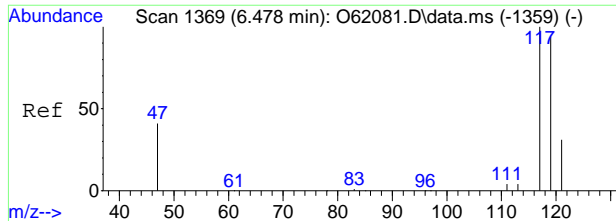
#9
 Chloroform
 Concen: 0.32 ug/L m
 RT: 6.883 min Scan# 924
 Delta R.T. 0.000 min
 Lab File: Z76685.D
 Acq: 30 Aug 2024 2:21 pm

Tgt Ion	Ratio	Lower	Upper
83	100		
85	66.2	35.9	95.9
47	28.1	0.0	51.0



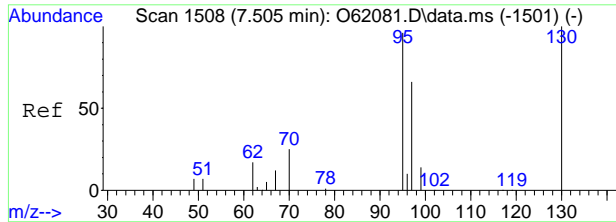
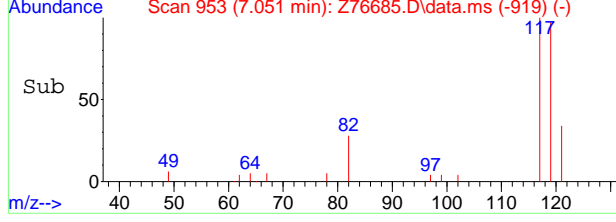
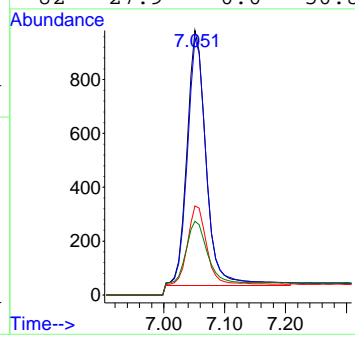
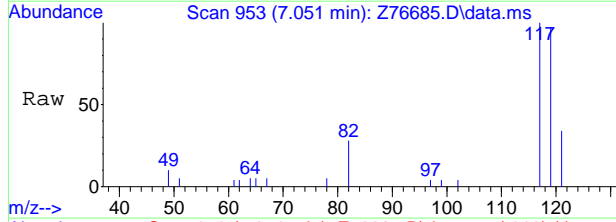
7.1.13
7





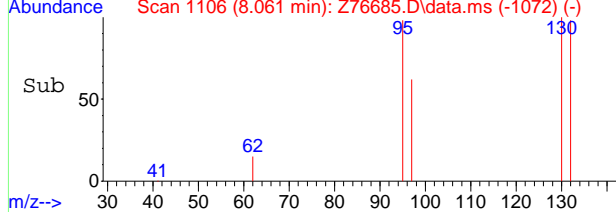
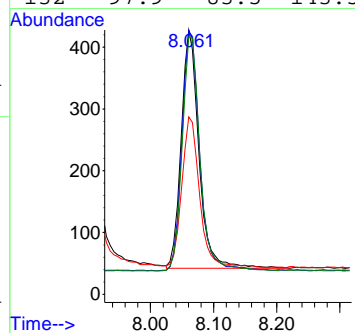
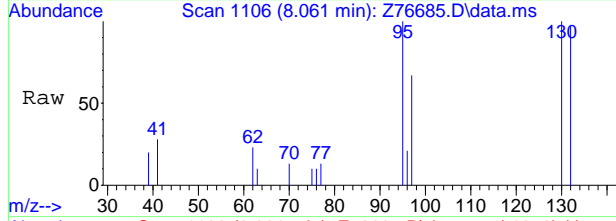
#10
 Carbon Tetrachloride
 Concen: 0.77 ug/L m
 RT: 7.051 min Scan# 953
 Delta R.T. -0.007 min
 Lab File: Z76685.D
 Acq: 30 Aug 2024 2:21 pm

Tgt Ion	Ratio	Lower	Upper
117	100		
119	97.0	66.2	126.2
121	33.7	1.2	61.2
82	27.9	0.0	50.8



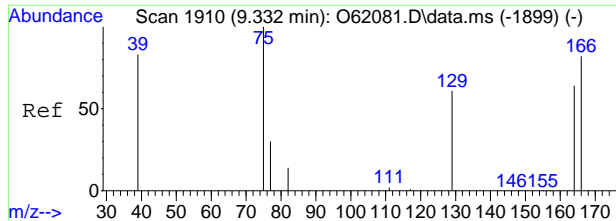
#15
 Trichloroethene
 Concen: 0.46 ug/L
 RT: 8.061 min Scan# 1106
 Delta R.T. -0.000 min
 Lab File: Z76685.D
 Acq: 30 Aug 2024 2:21 pm

Tgt Ion	Ratio	Lower	Upper
95	100		
130	100.5	84.5	144.5
97	62.7	36.4	96.4
132	97.9	83.5	143.5

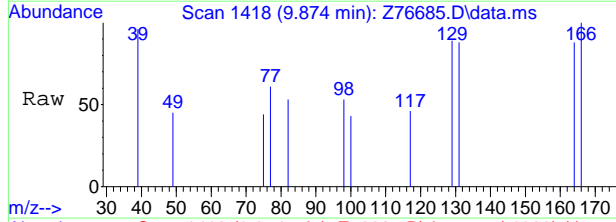


7.1.13
7



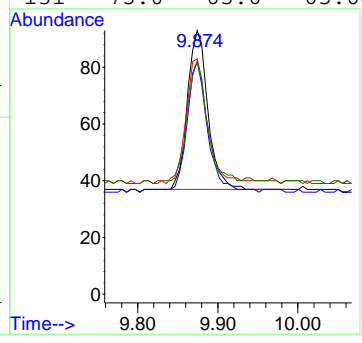
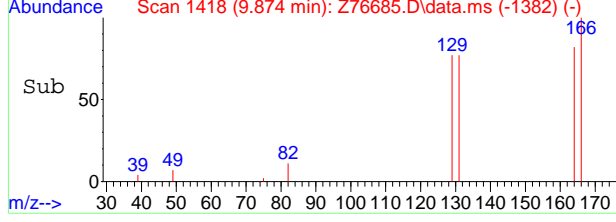


#21
 Tetrachloroethene
 Concen: 0.05 ug/L
 RT: 9.874 min Scan# 1418
 Delta R.T. 0.000 min
 Lab File: Z76685.D
 Acq: 30 Aug 2024 2:21 pm



Tgt Ion: 166 Resp: 98

Ion	Ratio	Lower	Upper
166	100		
164	82.1	47.5	107.5
129	78.6	34.2	94.2
131	75.0	65.6	65.6#



7.1.13
7



Manual Integration Approval Summary

Sample Number: FC18326-13
Lab FileID: Z76685.D
Injection Time: 08/30/24 14:21

Method: SW846 8260D BY SIM
Analyst approved: 09/03/24 08:25 Claudia Sosa
Supervisor approved: 09/03/24 11:12 Karen Watson

Parameter	CAS	Sig#	R.T. (min.)	Reason
Chloroform	67-66-3		6.88	Poor instrument integration
Carbon Tetrachloride	56-23-5		7.05	Poor instrument integration

7.1.13.1

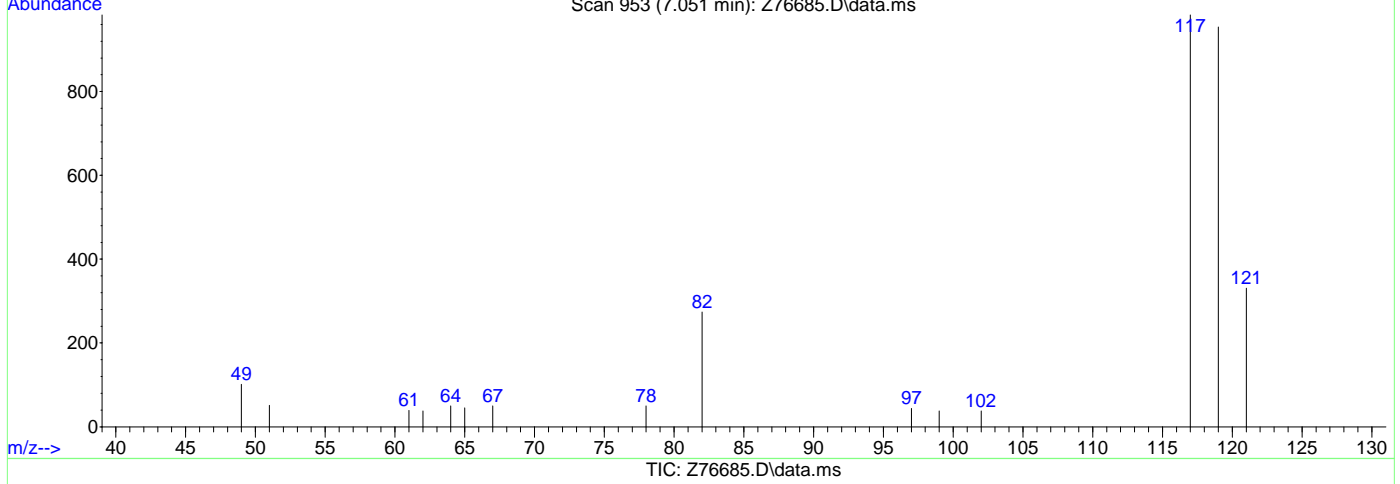
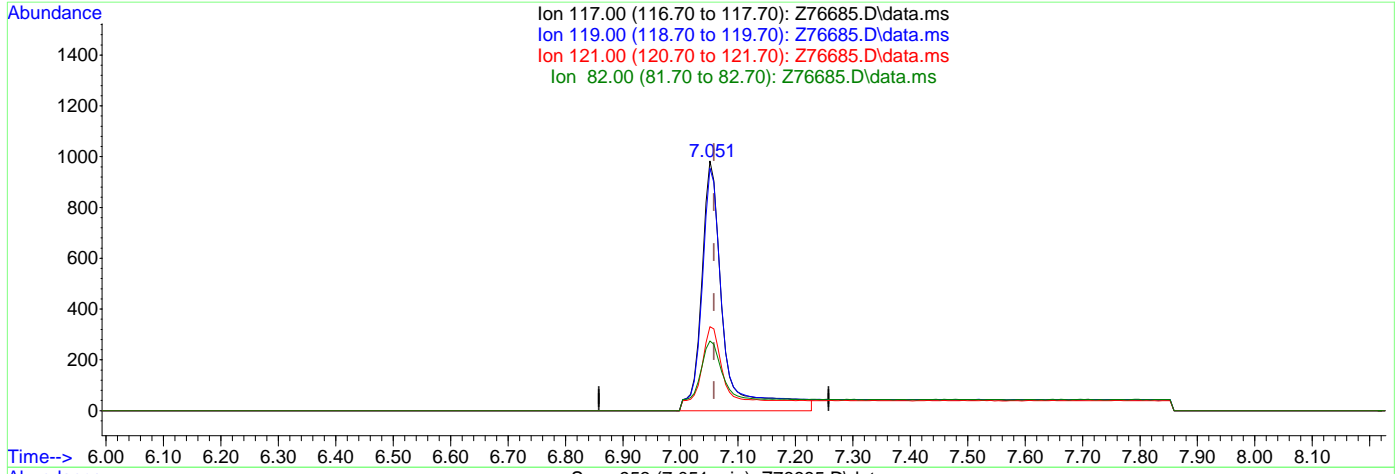
7

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\083024\
Data File : Z76685.D
Acq On : 30 Aug 2024 2:21 pm
Operator : claudias
Sample : FC18326-13
Misc : MS57393,VZ3087,,,,,
ALS Vial : 18 Sample Multiplier: 1

Inst : MSVOA15-Z

Quant Time: Sep 03 06:22:55 2024
Quant Method : C:\msdchem\1\methods\SIMCL-08-28-2024.M
Quant Title : Standard Methods 6200B
QLast Update : Wed Aug 28 11:30:23 2024
Response via : Initial Calibration



(10) Carbon Tetrachloride ()

7.051min (-0.007) 0.95ug/L

response 2552

Ion	Exp%	Act%
117.00	100	100
119.00	96.20	97.05
121.00	31.20	33.67
82.00	20.80	27.87



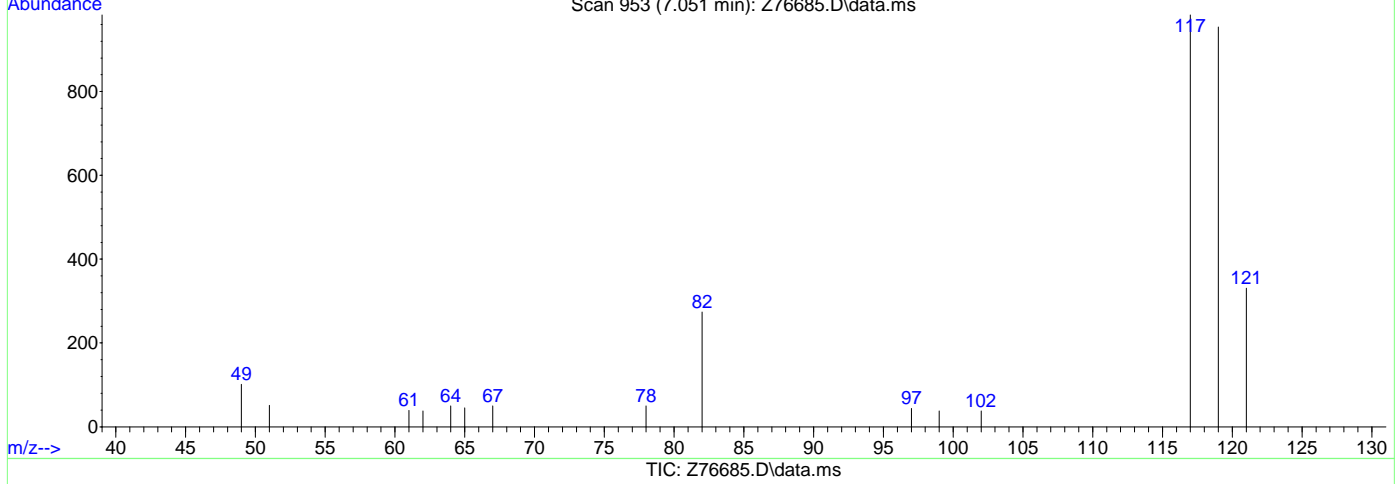
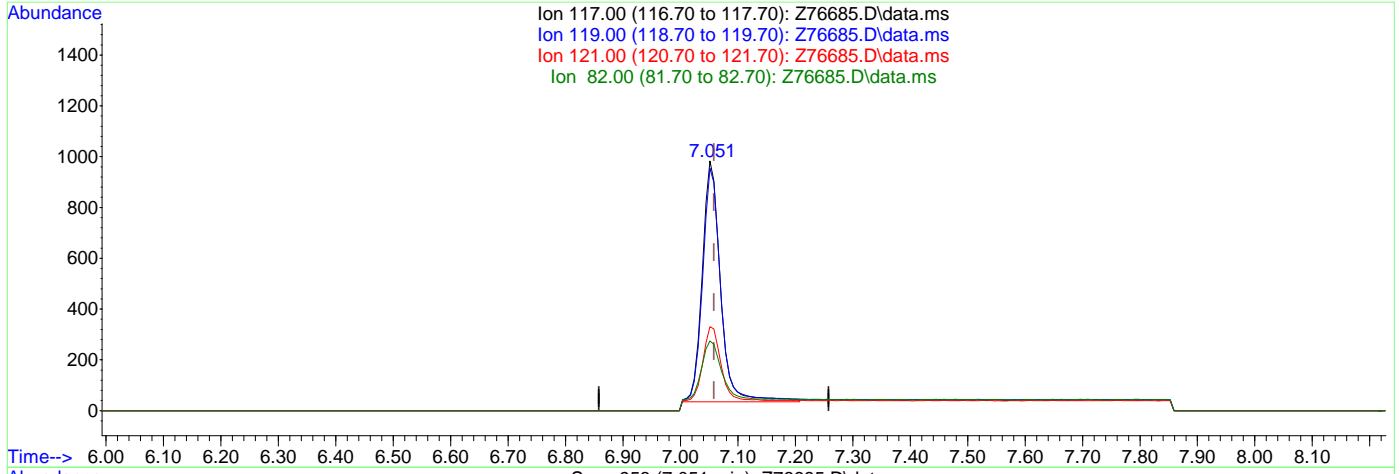
7.1.132
7

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\083024\
Data File : Z76685.D
Acq On : 30 Aug 2024 2:21 pm
Operator : claudias
Sample : FC18326-13
Misc : MS57393,VZ3087,,,,,
ALS Vial : 18 Sample Multiplier: 1

Inst : MSVOA15-Z

Quant Time: Sep 03 06:22:55 2024
Quant Method : C:\msdchem\1\methods\SIMCL-08-28-2024.M
Quant Title : Standard Methods 6200B
QLast Update : Wed Aug 28 11:30:23 2024
Response via : Initial Calibration



(10) Carbon Tetrachloride ()

7.051min (-0.007) 0.77ug/L m

response 2081

Ion	Exp%	Act%
117.00	100	100
119.00	96.20	97.05
121.00	31.20	33.67
82.00	20.80	27.87

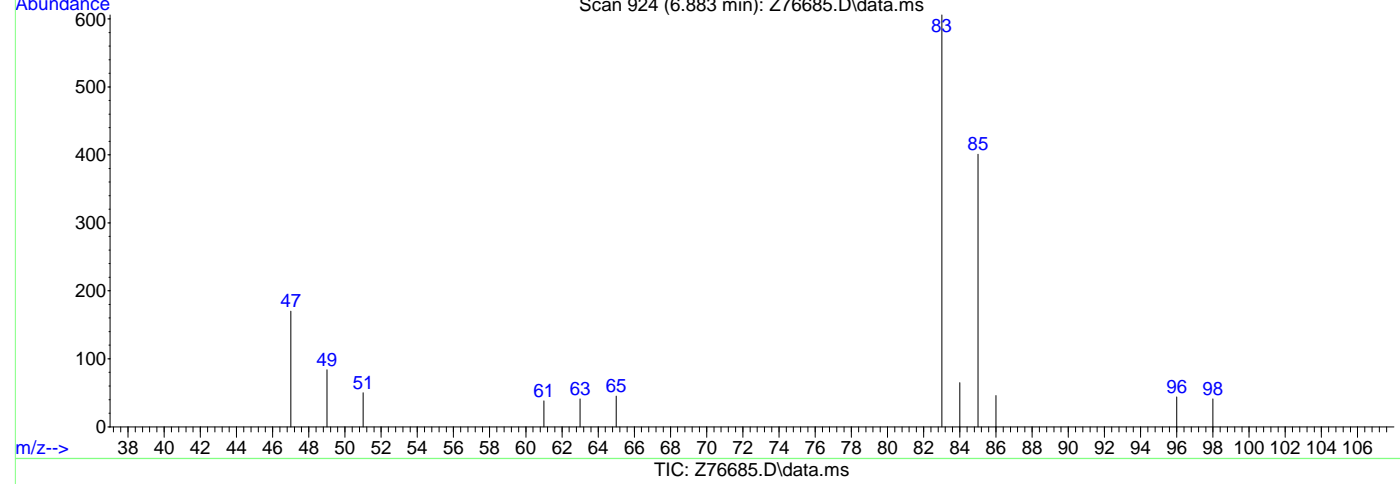
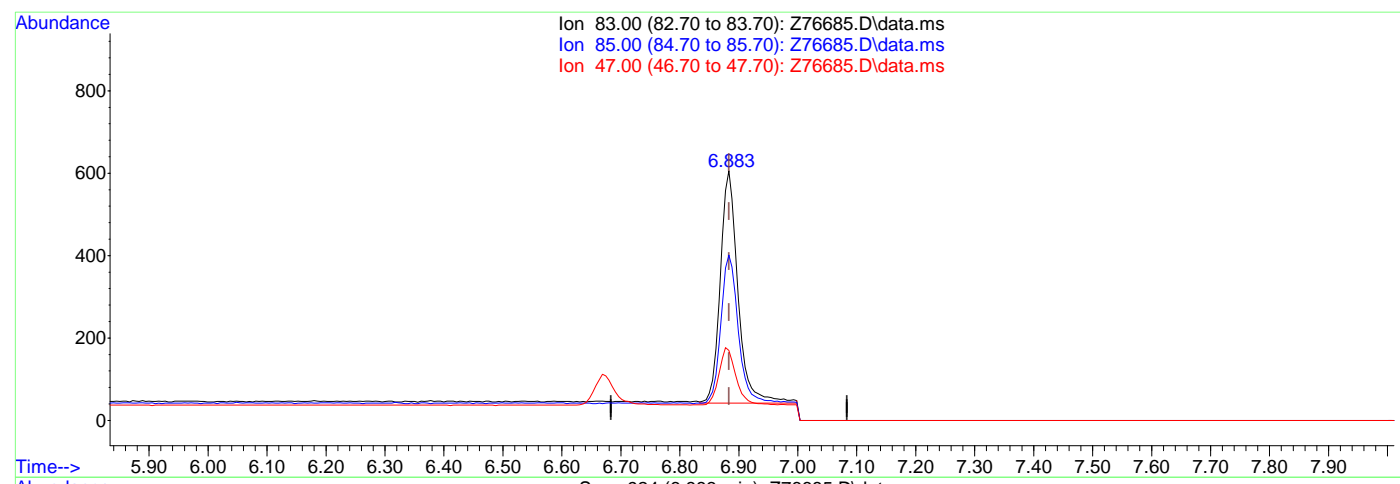


7.1.13.3
7

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\083024\
Data File : Z76685.D
Acq On : 30 Aug 2024 2:21 pm
Operator : claudias
Sample : FC18326-13
Misc : MS57393,VZ3087,,,,,
ALS Vial : 18 Sample Multiplier: 1
Inst : MSVOA15-Z

Quant Time: Sep 03 06:22:55 2024
Quant Method : C:\msdchem\1\methods\SIMCL-08-28-2024.M
Quant Title : Standard Methods 6200B
QLast Update : Wed Aug 28 11:30:23 2024
Response via : Initial Calibration



(9) Chloroform

6.883min (+0.000) 0.32ug/L m

response 1183

Ion	Exp%	Act%
83.00	100	100
85.00	65.90	66.17
47.00	21.00	28.05
0.00	0.00	0.00



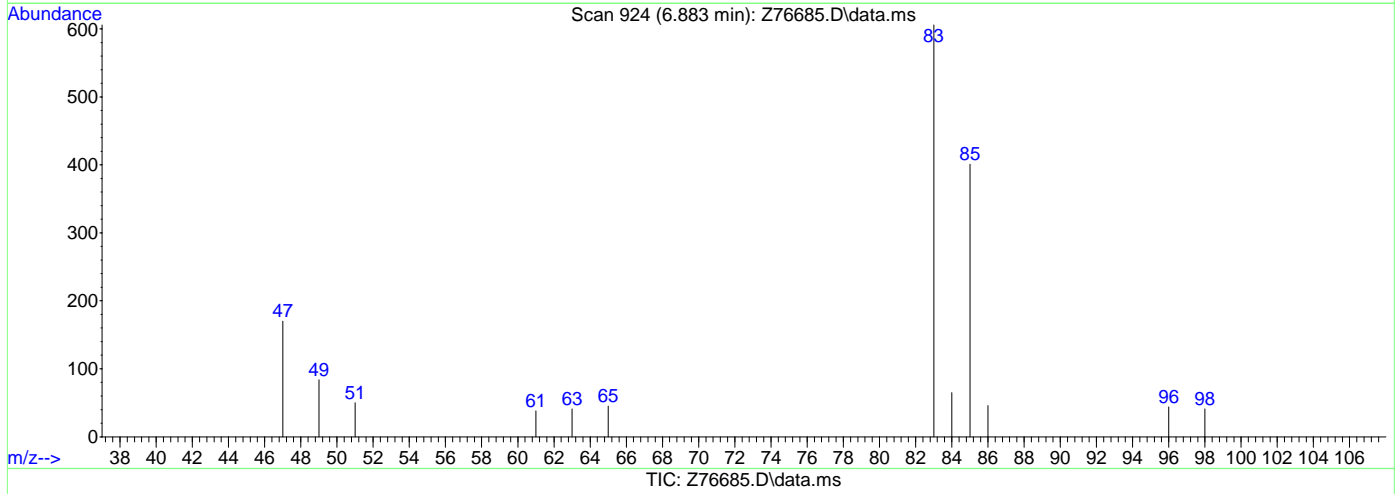
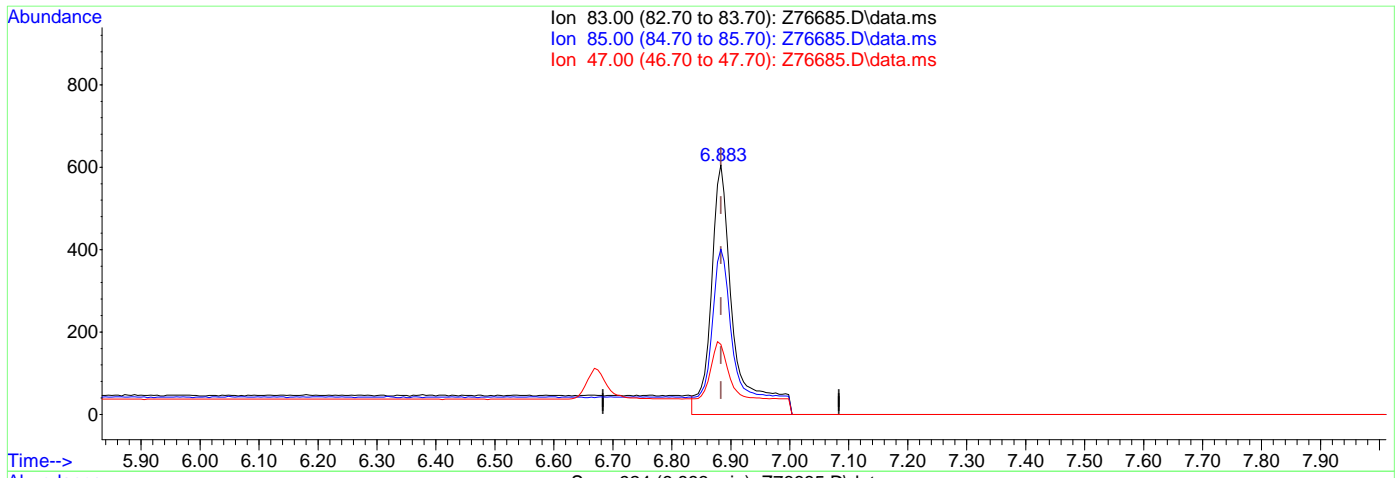
7.1.13.4
7

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\083024\
Data File : Z76685.D
Acq On : 30 Aug 2024 2:21 pm
Operator : claudias
Sample : FC18326-13
Misc : MS57393,VZ3087,,,,,
ALS Vial : 18 Sample Multiplier: 1

Inst : MSVOA15-Z

Quant Time: Sep 03 06:22:55 2024
Quant Method : C:\msdchem\1\methods\SIMCL-08-28-2024.M
Quant Title : Standard Methods 6200B
QLast Update : Wed Aug 28 11:30:23 2024
Response via : Initial Calibration



(9) Chloroform

6.883min (+0.000) 0.44ug/L

response 1610

Ion	Exp%	Act%
83.00	100	100
85.00	65.90	66.17
47.00	21.00	28.05
0.00	0.00	0.00



7.1.13.5
7

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\083024\
 Data File : Z76686.D
 Acq On : 30 Aug 2024 2:44 pm
 Operator : claudias
 Sample : FC18326-14 Inst : MSVOA15-Z
 Misc : MS57393,VZ3087,,,,,
 ALS Vial : 19 Sample Multiplier: 1

Quant Time: Sep 03 07:03:53 2024
 Quant Method : C:\msdchem\1\methods\SIMCL-08-28-2024.M
 Quant Title : Standard Methods 6200B
 QLast Update : Wed Aug 28 11:30:23 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	

Internal Standards							
1) Fluorobenzene	7.894	96	20205	5.00	ug/L	0.00	
18) Chlorobenzene-d5	10.980	117	23467	5.00	ug/L	0.00	
System Monitoring Compounds							
13) 1,2-Dichloroethane-d4	7.628	65	6907	5.64	ug/L	0.00	
Spiked Amount	5.000	Range 74 - 125	Recovery	=	112.80%		
19) Toluene-d8	9.428	98	24994	4.78	ug/L	0.00	
Spiked Amount	5.000	Range 88 - 111	Recovery	=	95.60%		
Target Compounds							
5) Methylene Chloride	5.208	49	303	0.10	ug/L		Qvalue 91
9) Chloroform	6.883	83	1197m	0.33	ug/L		
10) Carbon Tetrachloride	7.051	117	2001m	0.75	ug/L		
15) Trichloroethene	8.060	95	728	0.45	ug/L		88
21) Tetrachloroethene	9.874	166	103	0.06	ug/L #		88

(#) = qualifier out of range (m) = manual integration (+) = signals summed

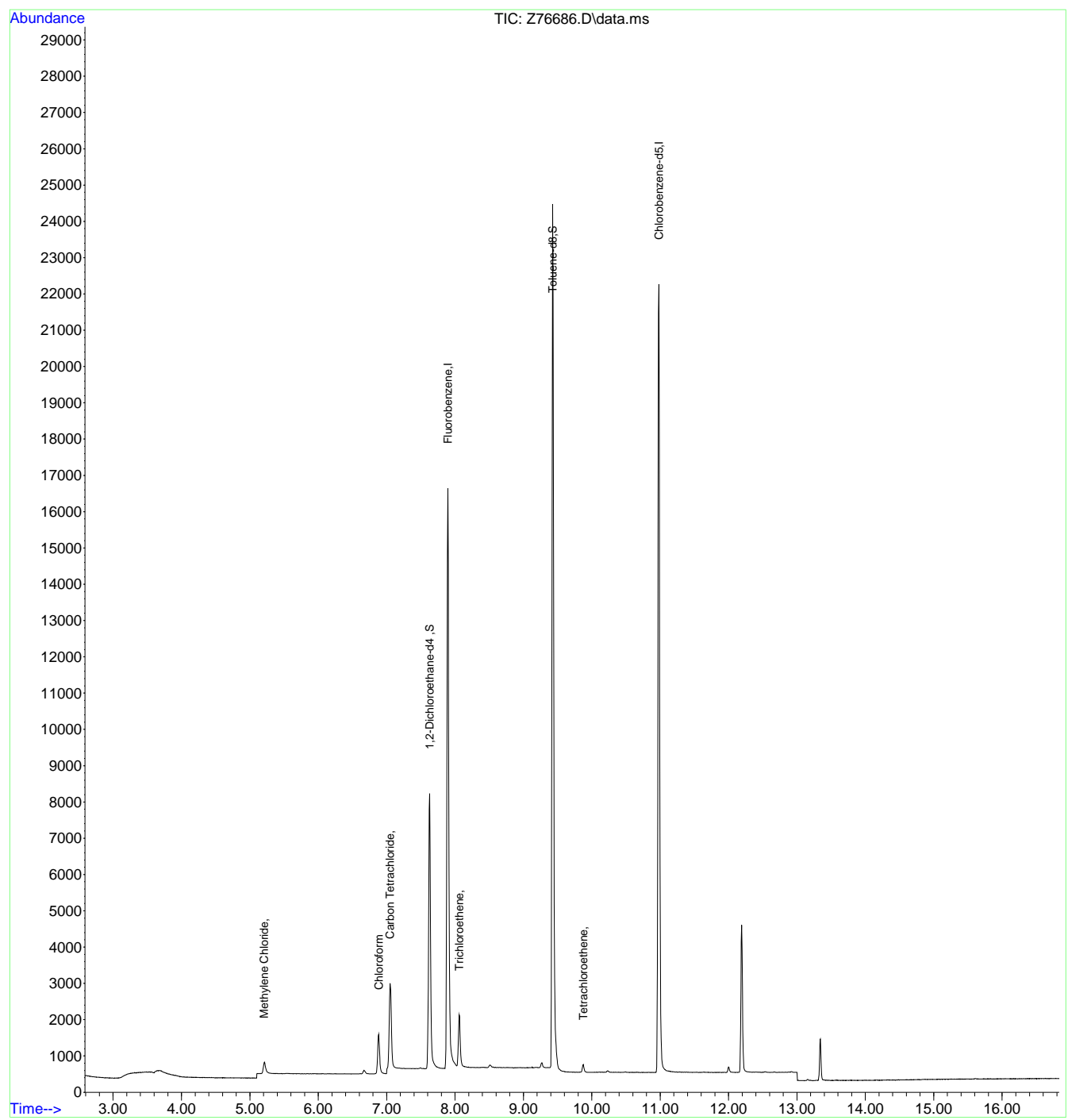
7.1.14
7



Quantitation Report (QT Reviewed)

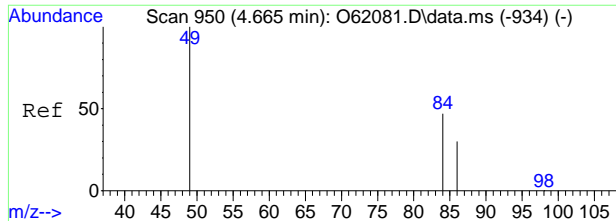
Data Path : C:\msdchem\1\data\083024\
Data File : Z76686.D
Acq On : 30 Aug 2024 2:44 pm
Operator : claudias
Sample : FC18326-14 Inst : MSVOA15-Z
Misc : MS57393,VZ3087,,,,,
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Sep 03 07:03:53 2024
Quant Method : C:\msdchem\1\methods\SIMCL-08-28-2024.M
Quant Title : Standard Methods 6200B
QLast Update : Wed Aug 28 11:30:23 2024
Response via : Initial Calibration



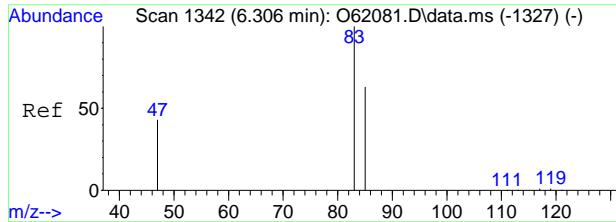
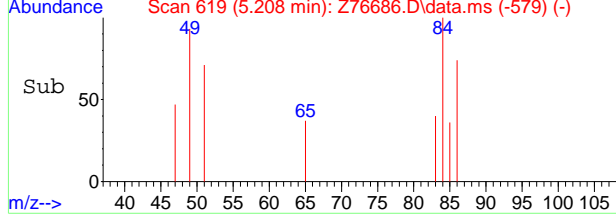
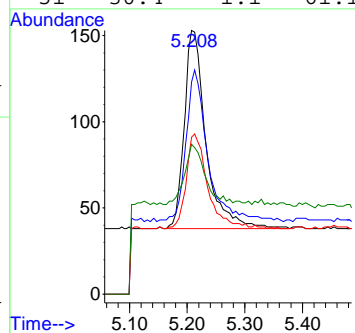
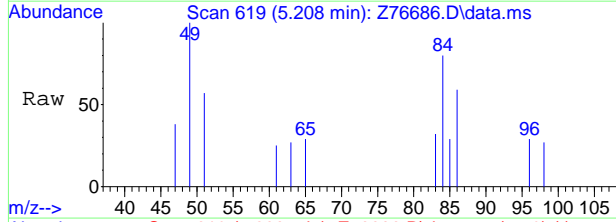
7.1.14
7





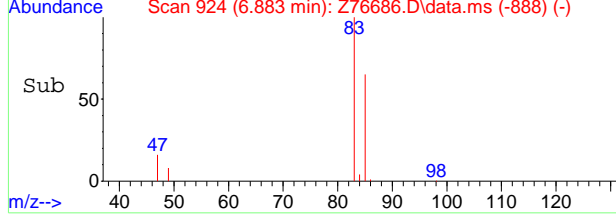
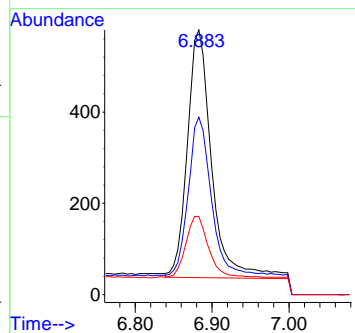
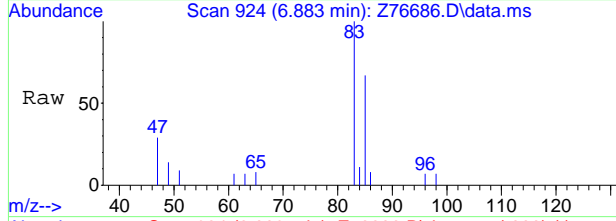
#5
 Methylene Chloride
 Concen: 0.10 ug/L
 RT: 5.208 min Scan# 619
 Delta R.T. -0.005 min
 Lab File: Z76686.D
 Acq: 30 Aug 2024 2:44 pm

Tgt Ion	Ratio	Lower	Upper
49	100		
84	69.6	49.7	109.7
86	46.1	22.0	82.0
51	30.4	1.1	61.1



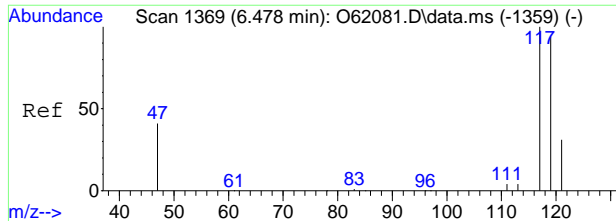
#9
 Chloroform
 Concen: 0.33 ug/L m
 RT: 6.883 min Scan# 924
 Delta R.T. -0.000 min
 Lab File: Z76686.D
 Acq: 30 Aug 2024 2:44 pm

Tgt Ion	Ratio	Lower	Upper
83	100		
85	67.1	35.9	95.9
47	29.5	0.0	51.0



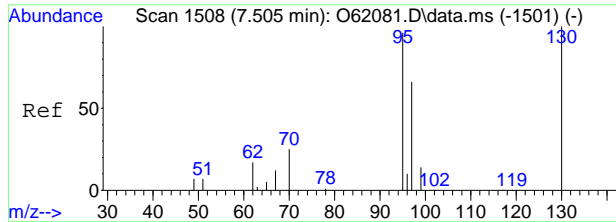
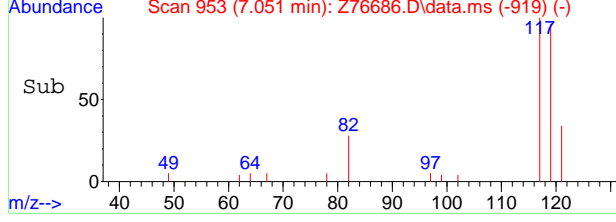
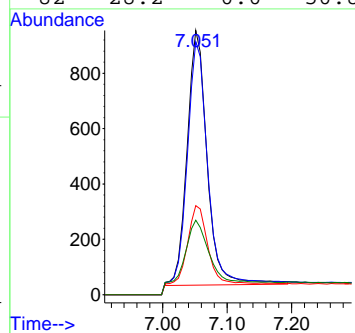
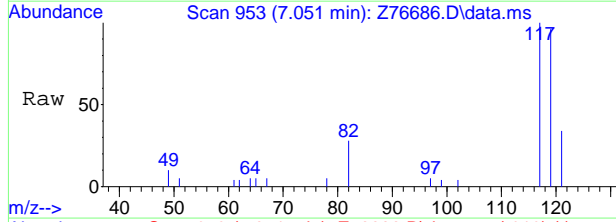
7.1.14
7





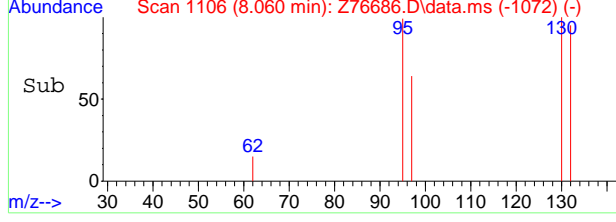
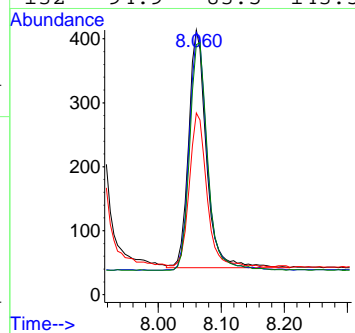
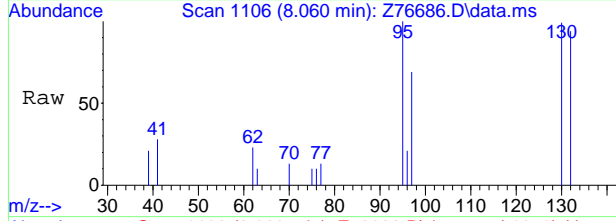
#10
 Carbon Tetrachloride
 Concen: 0.75 ug/L m
 RT: 7.051 min Scan# 953
 Delta R.T. -0.007 min
 Lab File: Z76686.D
 Acq: 30 Aug 2024 2:44 pm

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.7	66.2	126.2
121	33.7	1.2	61.2
82	28.2	0.0	50.8



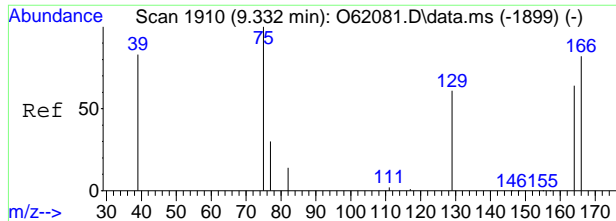
#15
 Trichloroethene
 Concen: 0.45 ug/L
 RT: 8.060 min Scan# 1106
 Delta R.T. -0.001 min
 Lab File: Z76686.D
 Acq: 30 Aug 2024 2:44 pm

Tgt Ion	Ratio	Lower	Upper
95	100		
130	99.7	84.5	144.5
97	64.8	36.4	96.4
132	94.9	83.5	143.5

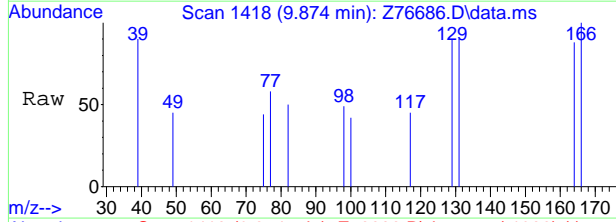


7.1.14
7



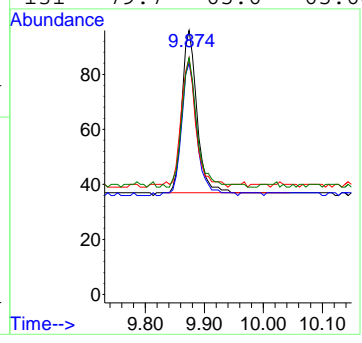
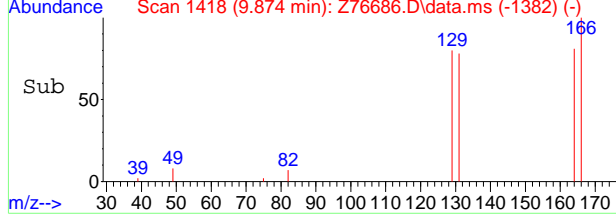


#21
 Tetrachloroethene
 Concen: 0.06 ug/L
 RT: 9.874 min Scan# 1418
 Delta R.T. 0.000 min
 Lab File: Z76686.D
 Acq: 30 Aug 2024 2:44 pm



Tgt Ion: 166 Resp: 103

Ion	Ratio	Lower	Upper
166	100		
164	79.7	47.5	107.5
129	78.0	34.2	94.2
131	79.7	65.6	65.6#



7.1.14
7



Manual Integration Approval Summary

Sample Number: FC18326-14
Lab FileID: Z76686.D
Injection Time: 08/30/24 14:44

Method: SW846 8260D BY SIM
Analyst approved: 09/03/24 08:25 Claudia Sosa
Supervisor approved: 09/03/24 11:12 Karen Watson

Parameter	CAS	Sig#	R.T. (min.)	Reason
Chloroform	67-66-3		6.88	Poor instrument integration
Carbon Tetrachloride	56-23-5		7.05	Poor instrument integration

7.1.14.1

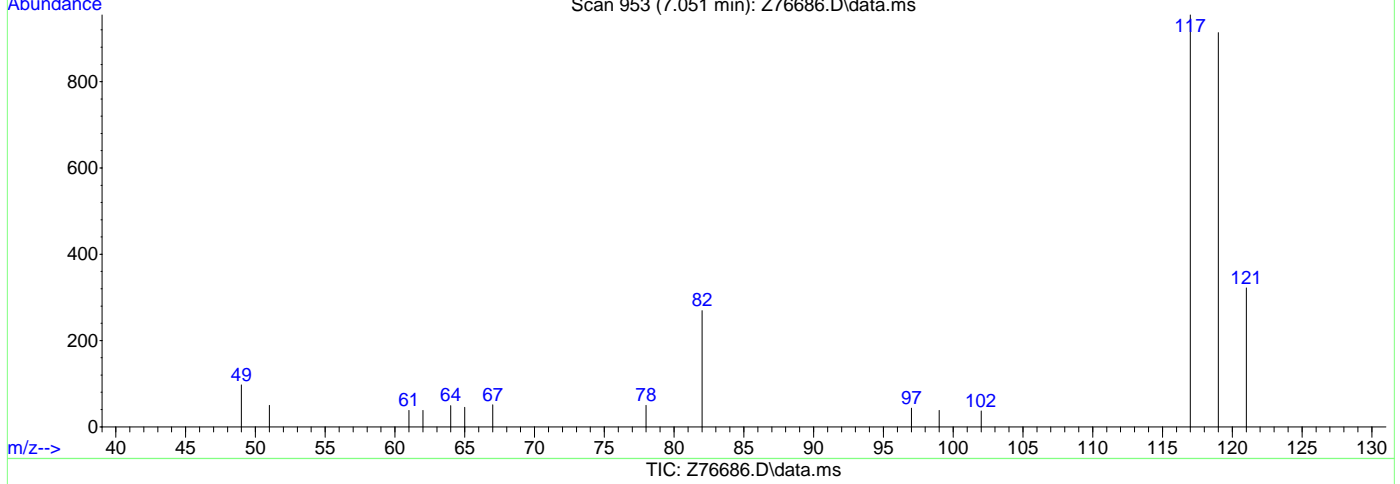
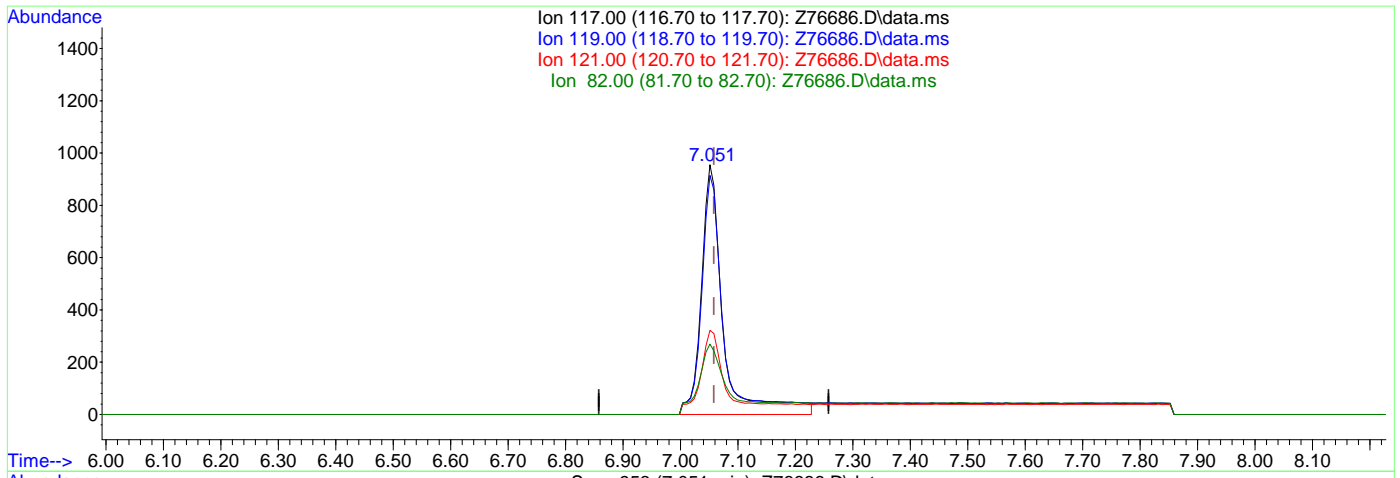
7

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\083024\
Data File : Z76686.D
Acq On : 30 Aug 2024 2:44 pm
Operator : claudias
Sample : FC18326-14
Misc : MS57393,VZ3087,,,,,
ALS Vial : 19 Sample Multiplier: 1

Inst : MSVOA15-Z

Quant Time: Sep 03 06:22:57 2024
Quant Method : C:\msdchem\1\methods\SIMCL-08-28-2024.M
Quant Title : Standard Methods 6200B
QLast Update : Wed Aug 28 11:30:23 2024
Response via : Initial Calibration



(10) Carbon Tetrachloride ()

7.051min (-0.007) 0.94ug/L

response 2487

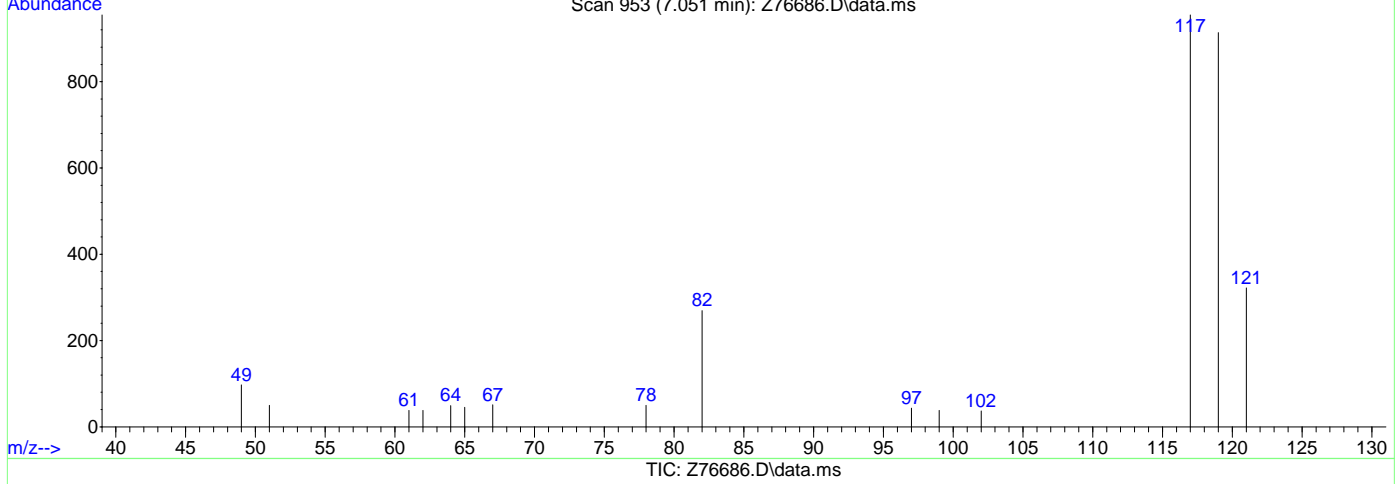
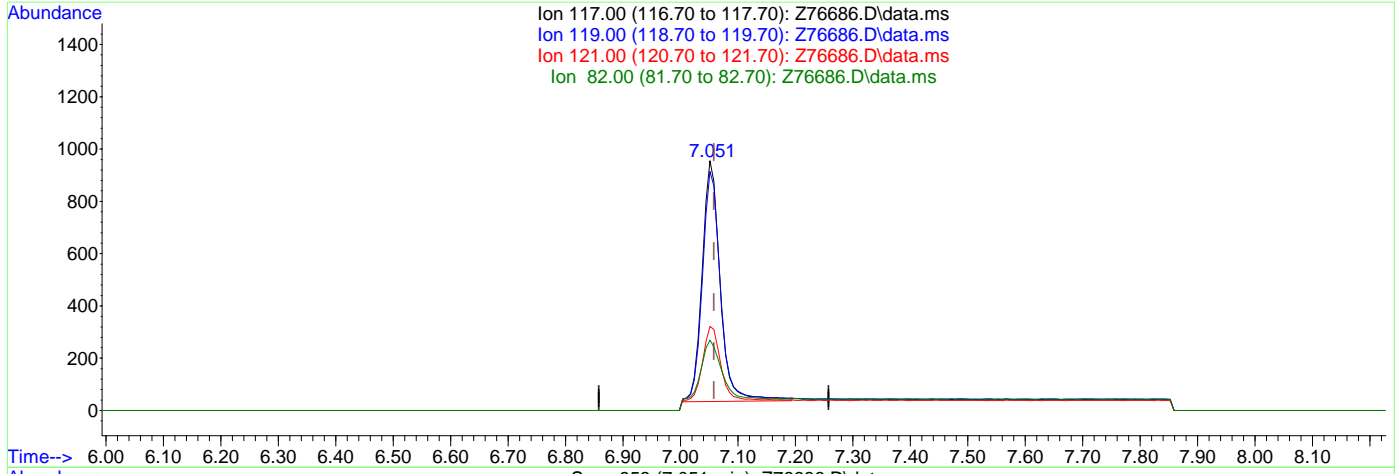
Ion	Exp%	Act%
117.00	100	100
119.00	96.20	95.71
121.00	31.20	33.72
82.00	20.80	28.17

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\083024\
Data File : Z76686.D
Acq On : 30 Aug 2024 2:44 pm
Operator : claudias
Sample : FC18326-14
Misc : MS57393,VZ3087,,,,,
ALS Vial : 19 Sample Multiplier: 1

Inst : MSVOA15-Z

Quant Time: Sep 03 06:22:57 2024
Quant Method : C:\msdchem\1\methods\SIMCL-08-28-2024.M
Quant Title : Standard Methods 6200B
QLast Update : Wed Aug 28 11:30:23 2024
Response via : Initial Calibration



(10) Carbon Tetrachloride ()

7.051min (-0.007) 0.75ug/L m

response 2001

Ion	Exp%	Act%
117.00	100	100
119.00	96.20	95.71
121.00	31.20	33.72
82.00	20.80	28.17

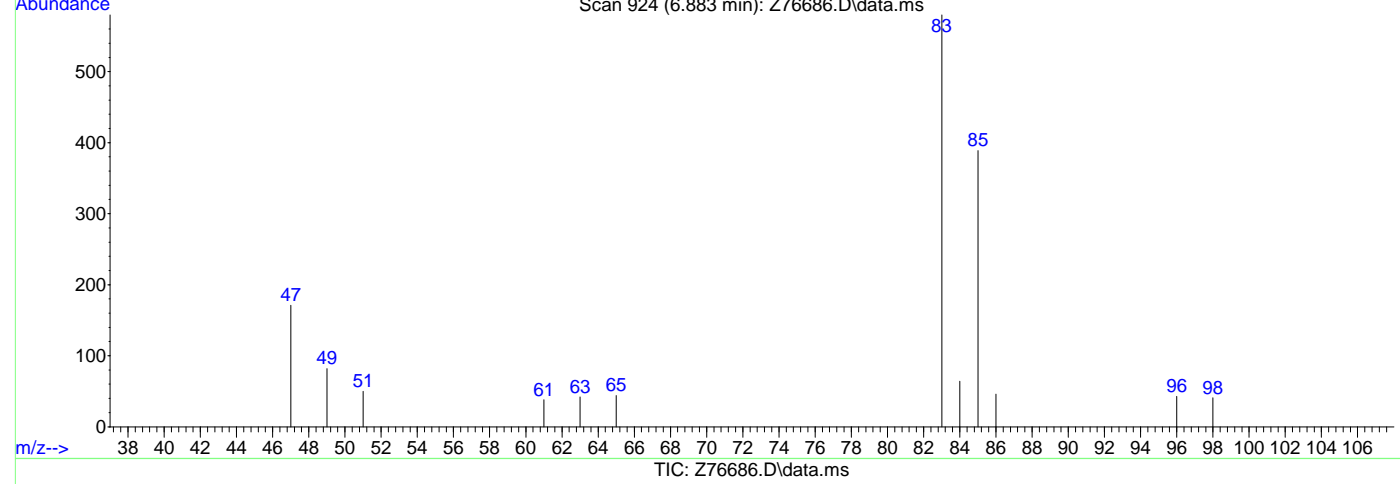
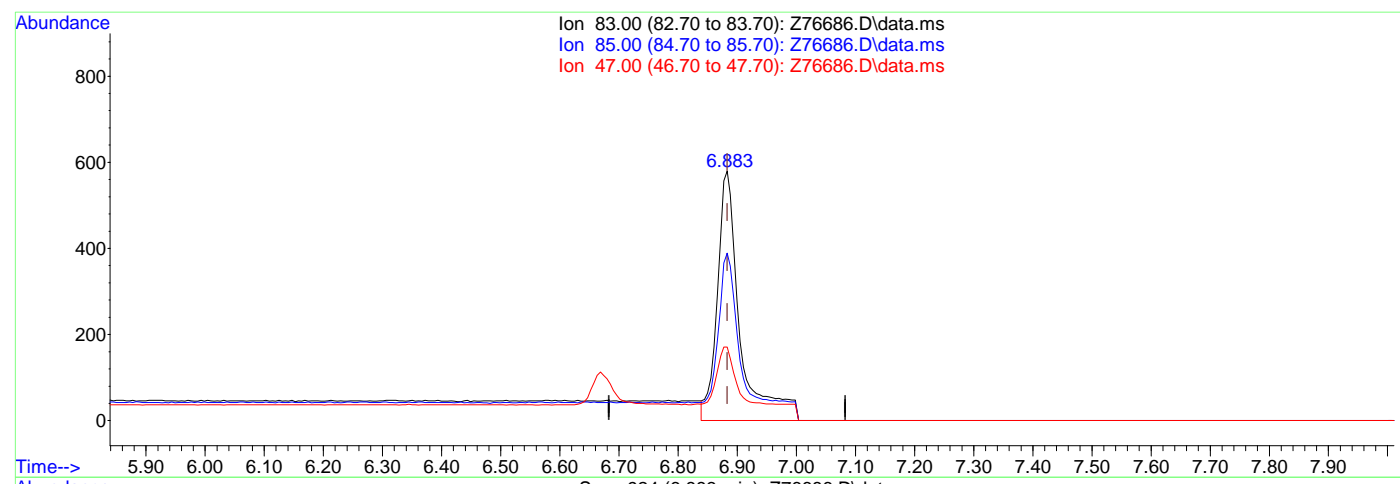


7.1.14.3
7

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\083024\
Data File : Z76686.D
Acq On : 30 Aug 2024 2:44 pm
Operator : claudias
Sample : FC18326-14
Misc : MS57393,VZ3087,,,,,
ALS Vial : 19 Sample Multiplier: 1
Inst : MSVOA15-Z

Quant Time: Sep 03 06:22:57 2024
Quant Method : C:\msdchem\1\methods\SIMCL-08-28-2024.M
Quant Title : Standard Methods 6200B
QLast Update : Wed Aug 28 11:30:23 2024
Response via : Initial Calibration



(9) Chloroform

6.883min (-0.000) 0.43ug/L

response 1557

Ion	Exp%	Act%
83.00	100	100
85.00	65.90	67.07
47.00	21.00	29.48
0.00	0.00	0.00



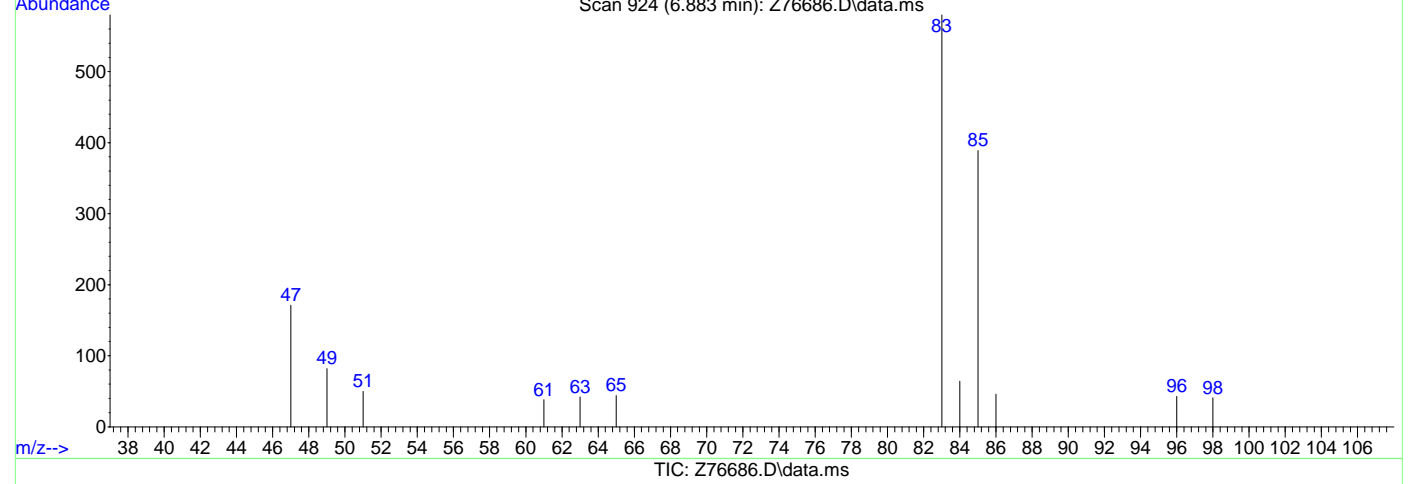
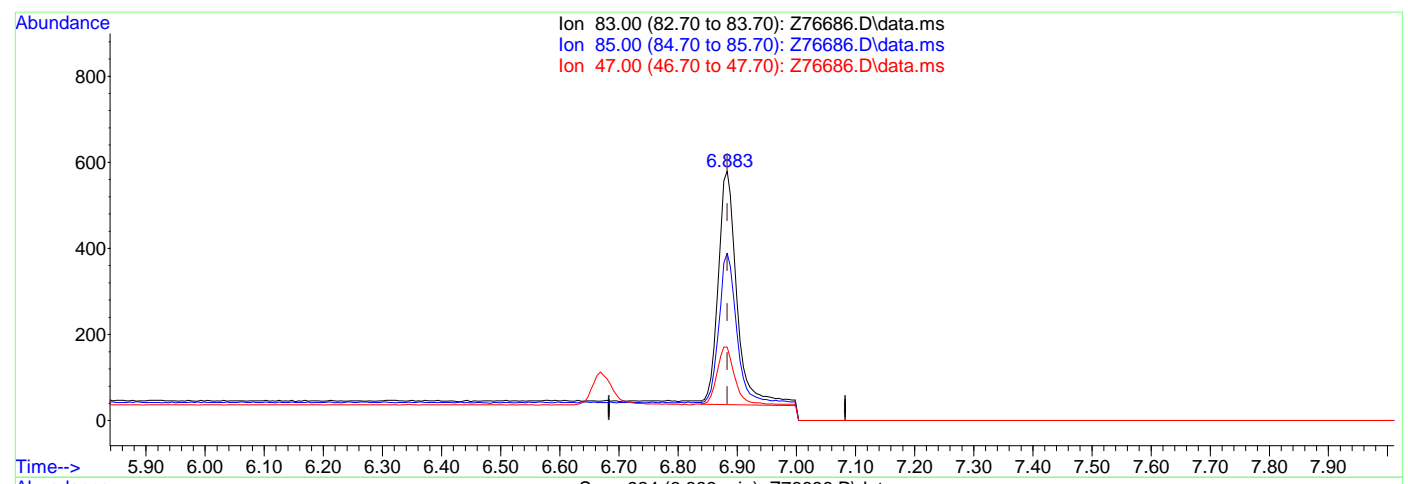
7.1.14.4
7

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\083024\
Data File : Z76686.D
Acq On : 30 Aug 2024 2:44 pm
Operator : claudias
Sample : FC18326-14
Misc : MS57393,VZ3087,,,,,
ALS Vial : 19 Sample Multiplier: 1

Inst : MSVOA15-Z

Quant Time: Sep 03 06:22:57 2024
Quant Method : C:\msdchem\1\methods\SIMCL-08-28-2024.M
Quant Title : Standard Methods 6200B
QLast Update : Wed Aug 28 11:30:23 2024
Response via : Initial Calibration



(9) Chloroform

6.883min (-0.000) 0.33ug/L m

response 1197

Ion	Exp%	Act%
83.00	100	100
85.00	65.90	67.07
47.00	21.00	29.48
0.00	0.00	0.00



7.1.14.5
7

Manual Integrations
APPROVED
 (compounds with "m" flag)
 Karen Watson
 09/03/24 11:12

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\083024\
 Data File : Z76687.D
 Acq On : 30 Aug 2024 3:07 pm
 Operator : claudias
 Sample : FC18326-15 Inst : MSVOA15-Z
 Misc : MS57393,VZ3087,,,,,
 ALS Vial : 20 Sample Multiplier: 1

Quant Time: Sep 03 07:05:00 2024
 Quant Method : C:\msdchem\1\methods\SIMCL-08-28-2024.M
 Quant Title : Standard Methods 6200B
 QLast Update : Wed Aug 28 11:30:23 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	

Internal Standards							
1) Fluorobenzene	7.895	96	20517	5.00	ug/L	0.00	
18) Chlorobenzene-d5	10.981	117	23536	5.00	ug/L	0.00	
System Monitoring Compounds							
13) 1,2-Dichloroethane-d4	7.628	65	6958	5.60	ug/L	0.00	
Spiked Amount	5.000	Range	74 - 125	Recovery	=	112.00%	
19) Toluene-d8	9.428	98	25115	4.79	ug/L	0.00	
Spiked Amount	5.000	Range	88 - 111	Recovery	=	95.80%	
Target Compounds							
5) Methylene Chloride	5.213	49	270	0.09	ug/L		Qvalue 92
9) Chloroform	6.883	83	382m	0.10	ug/L		
10) Carbon Tetrachloride	7.051	117	280m	0.10	ug/L		
15) Trichloroethene	8.061	95	84	0.05	ug/L		86

(#) = qualifier out of range (m) = manual integration (+) = signals summed

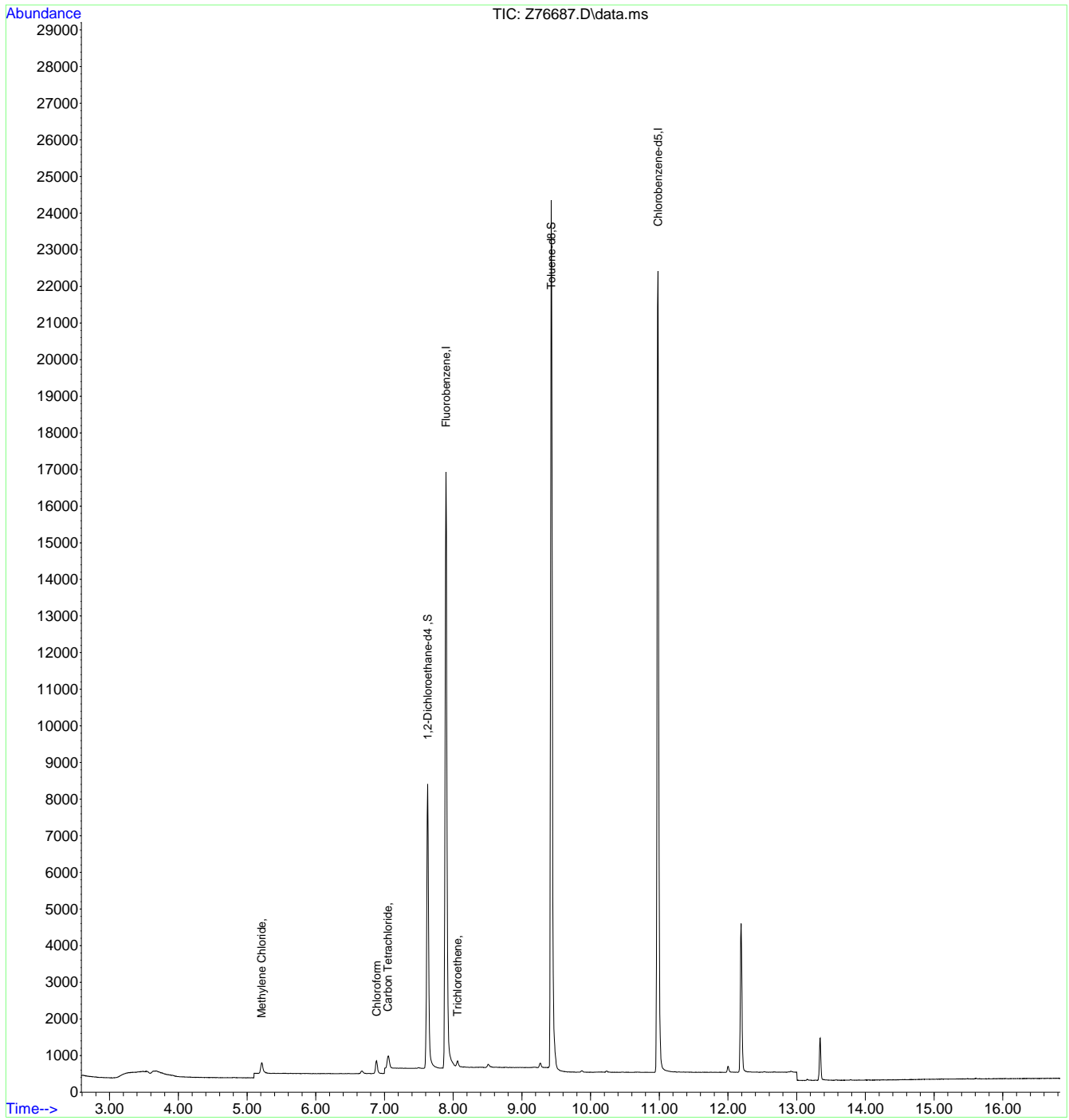
7.1.15
7

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\083024\
Data File : Z76687.D
Acq On : 30 Aug 2024 3:07 pm
Operator : claudias
Sample : FC18326-15
Misc : MS57393,VZ3087,,,,,
ALS Vial : 20 Sample Multiplier: 1

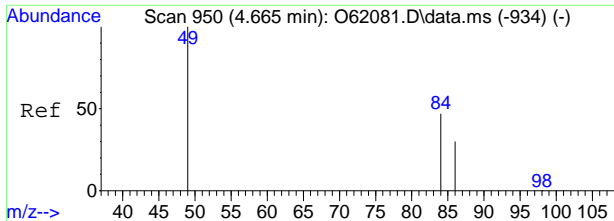
Inst : MSVOA15-Z

Quant Time: Sep 03 07:05:00 2024
Quant Method : C:\msdchem\1\methods\SIMCL-08-28-2024.M
Quant Title : Standard Methods 6200B
QLast Update : Wed Aug 28 11:30:23 2024
Response via : Initial Calibration



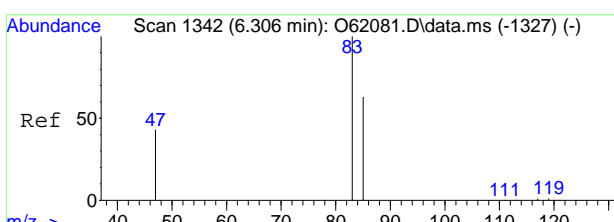
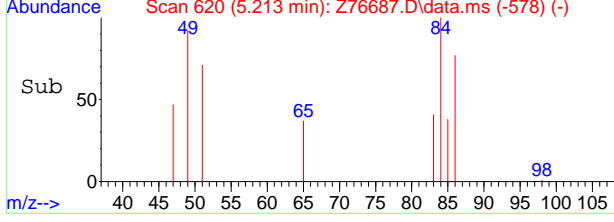
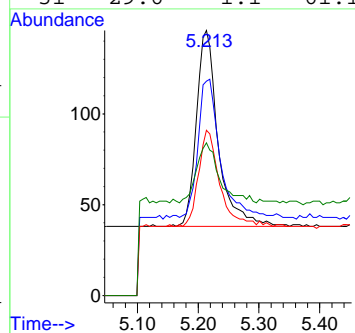
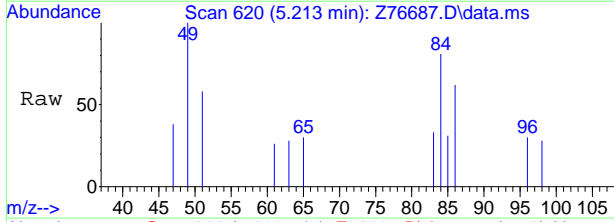
7.1.15
7





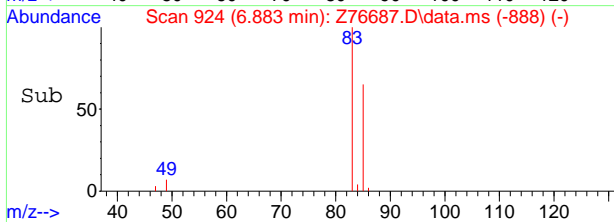
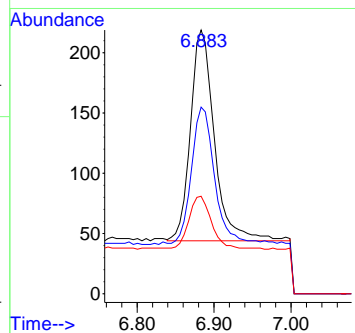
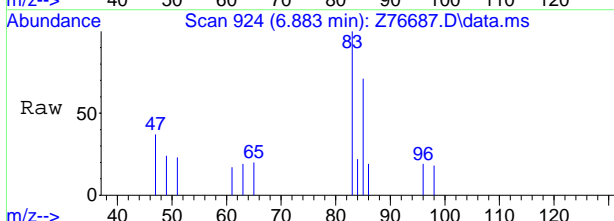
#5
 Methylene Chloride
 Concen: 0.09 ug/L
 RT: 5.213 min Scan# 620
 Delta R.T. 0.000 min
 Lab File: Z76687.D
 Acq: 30 Aug 2024 3:07 pm

Tgt Ion	Ratio	Lower	Upper
49	100		
84	69.4	49.7	109.7
86	49.1	22.0	82.0
51	29.6	1.1	61.1



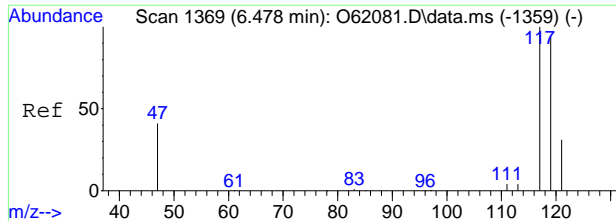
#9
 Chloroform
 Concen: 0.10 ug/L m
 RT: 6.883 min Scan# 924
 Delta R.T. 0.000 min
 Lab File: Z76687.D
 Acq: 30 Aug 2024 3:07 pm

Tgt Ion	Ratio	Lower	Upper
83	100		
85	70.8	35.9	95.9
47	37.0	0.0	51.0



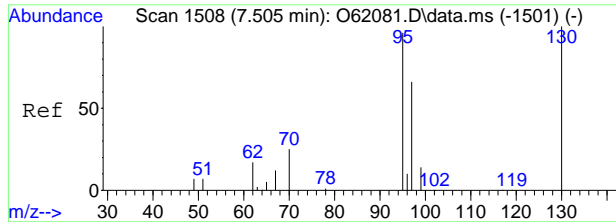
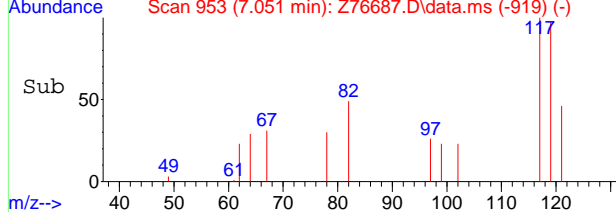
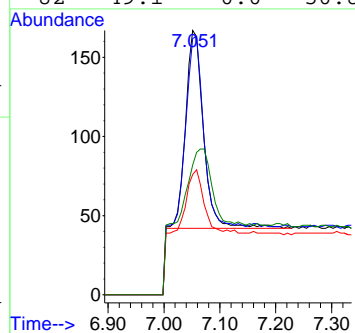
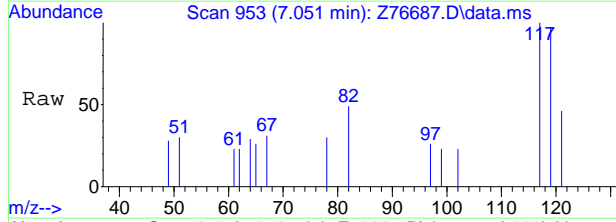
7.1.15
7





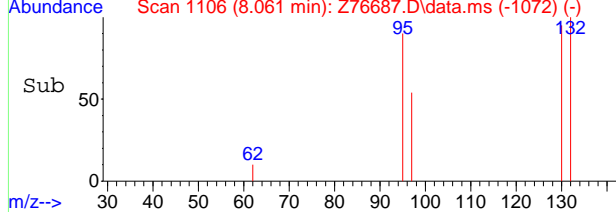
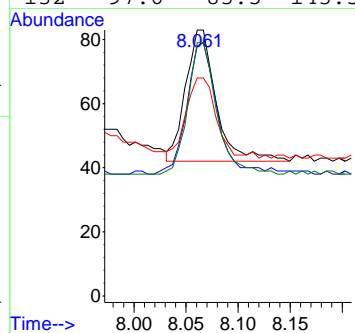
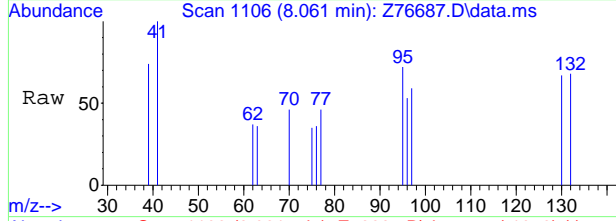
#10
 Carbon Tetrachloride
 Concen: 0.10 ug/L m
 RT: 7.051 min Scan# 953
 Delta R.T. -0.007 min
 Lab File: Z76687.D
 Acq: 30 Aug 2024 3:07 pm

Tgt Ion	Ratio	Lower	Upper
117	100		
119	97.0	66.2	126.2
121	45.5	1.2	61.2
82	49.1	0.0	50.8



#15
 Trichloroethene
 Concen: 0.05 ug/L
 RT: 8.061 min Scan# 1106
 Delta R.T. -0.000 min
 Lab File: Z76687.D
 Acq: 30 Aug 2024 3:07 pm

Tgt Ion	Ratio	Lower	Upper
95	100		
130	95.1	84.5	144.5
97	61.0	36.4	96.4
132	97.6	83.5	143.5



7.1.15
7



Manual Integration Approval Summary

Sample Number: FC18326-15 **Method:** SW846 8260D BY SIM
Lab FileID: Z76687.D **Analyst approved:** 09/03/24 08:25 Claudia Sosa
Injection Time: 08/30/24 15:07 **Supervisor approved:** 09/03/24 11:12 Karen Watson

Parameter	CAS	Sig#	R.T. (min.)	Reason
Chloroform	67-66-3		6.88	Poor instrument integration
Carbon Tetrachloride	56-23-5		7.05	Poor instrument integration

7.1.15.1

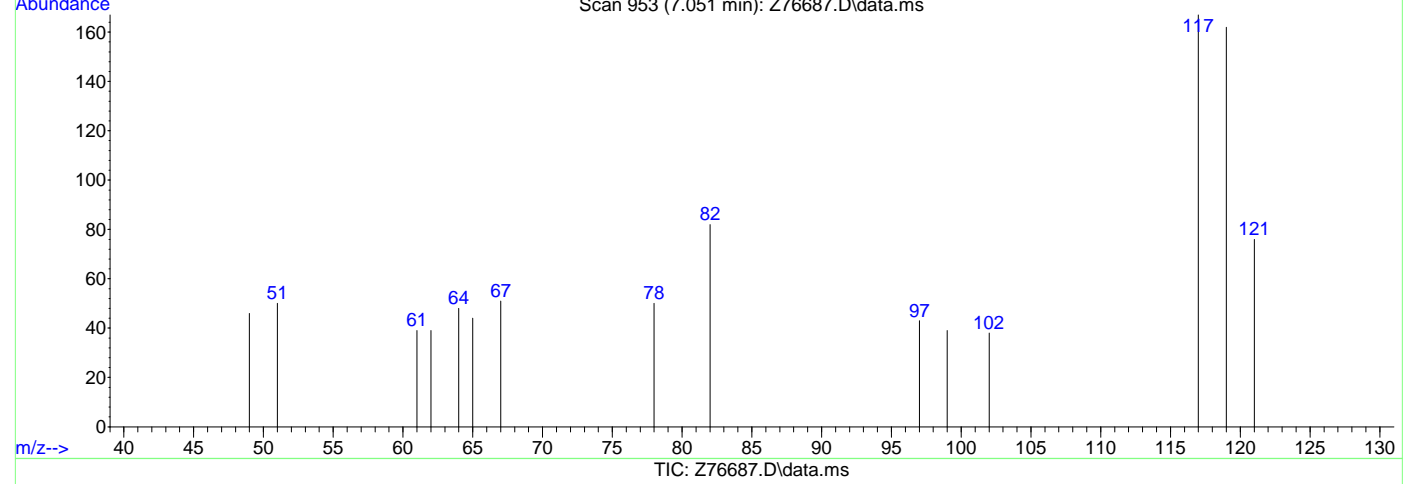
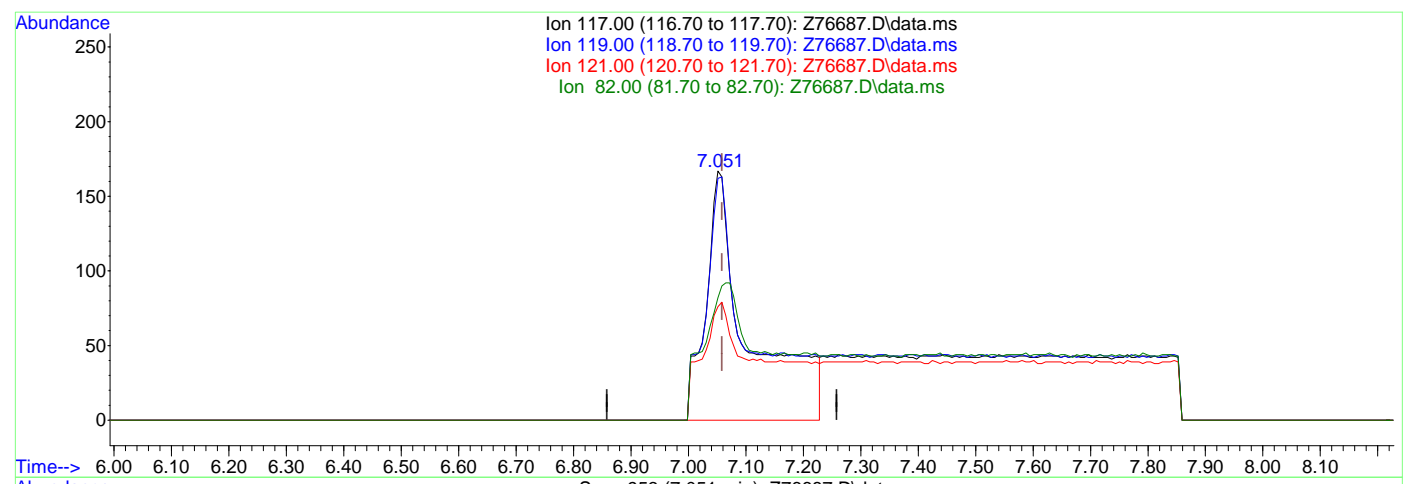
7

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\083024\
Data File : Z76687.D
Acq On : 30 Aug 2024 3:07 pm
Operator : claudias
Sample : FC18326-15
Misc : MS57393,VZ3087,,,,,
ALS Vial : 20 Sample Multiplier: 1

Inst : MSVOA15-Z

Quant Time: Sep 03 06:22:59 2024
Quant Method : C:\msdchem\1\methods\SIMCL-08-28-2024.M
Quant Title : Standard Methods 6200B
QLast Update : Wed Aug 28 11:30:23 2024
Response via : Initial Calibration



(10) Carbon Tetrachloride ()

7.051min (-0.007) 0.31ug/L

response 852

Ion	Exp%	Act%
117.00	100	100
119.00	96.20	97.01
121.00	31.20	45.51
82.00	20.80	49.10



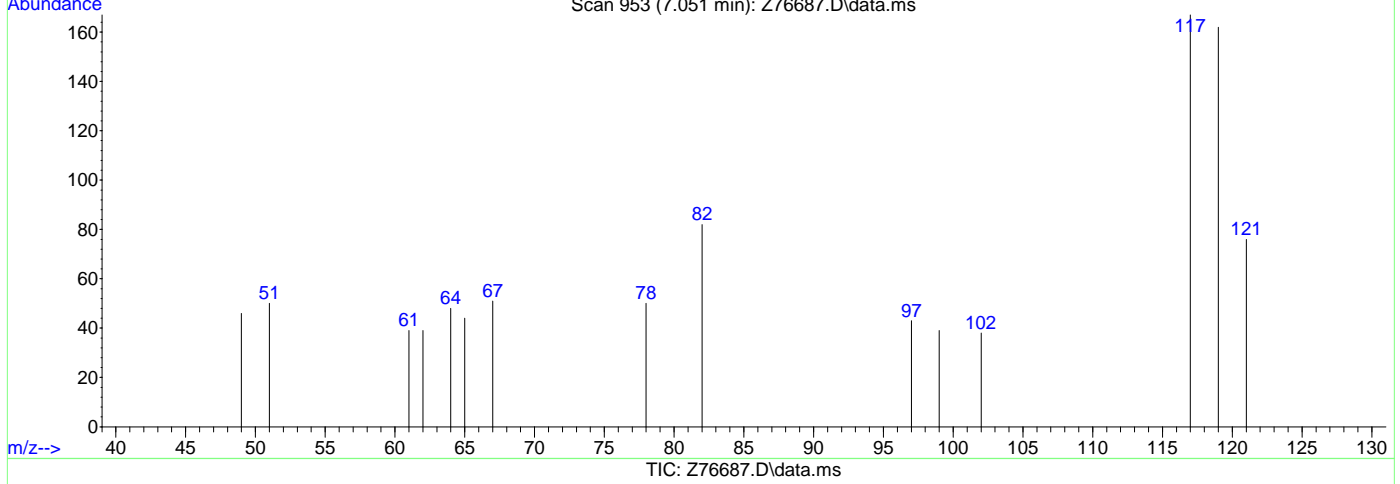
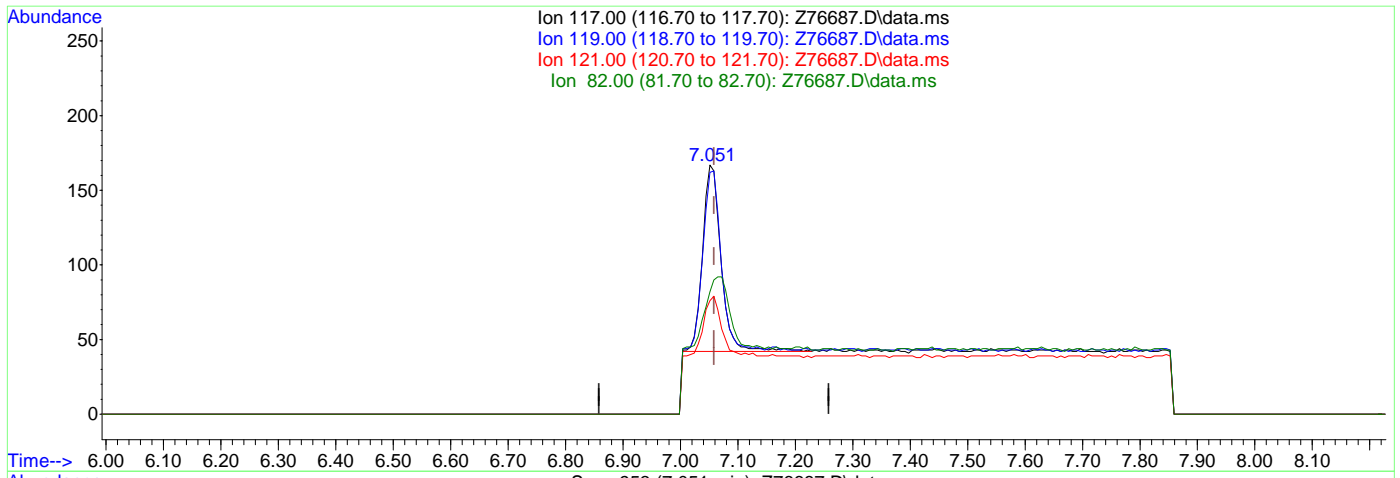
7.1.15.2
7

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\083024\
Data File : Z76687.D
Acq On : 30 Aug 2024 3:07 pm
Operator : claudias
Sample : FC18326-15
Misc : MS57393,VZ3087,,,,,
ALS Vial : 20 Sample Multiplier: 1

Inst : MSVOA15-Z

Quant Time: Sep 03 06:22:59 2024
Quant Method : C:\msdchem\1\methods\SIMCL-08-28-2024.M
Quant Title : Standard Methods 6200B
QLast Update : Wed Aug 28 11:30:23 2024
Response via : Initial Calibration



(10) Carbon Tetrachloride ()

7.051min (-0.007) 0.10ug/L m

response 280

Ion	Exp%	Act%
117.00	100	100
119.00	96.20	97.01
121.00	31.20	45.51
82.00	20.80	49.10

7.1.15.3
7

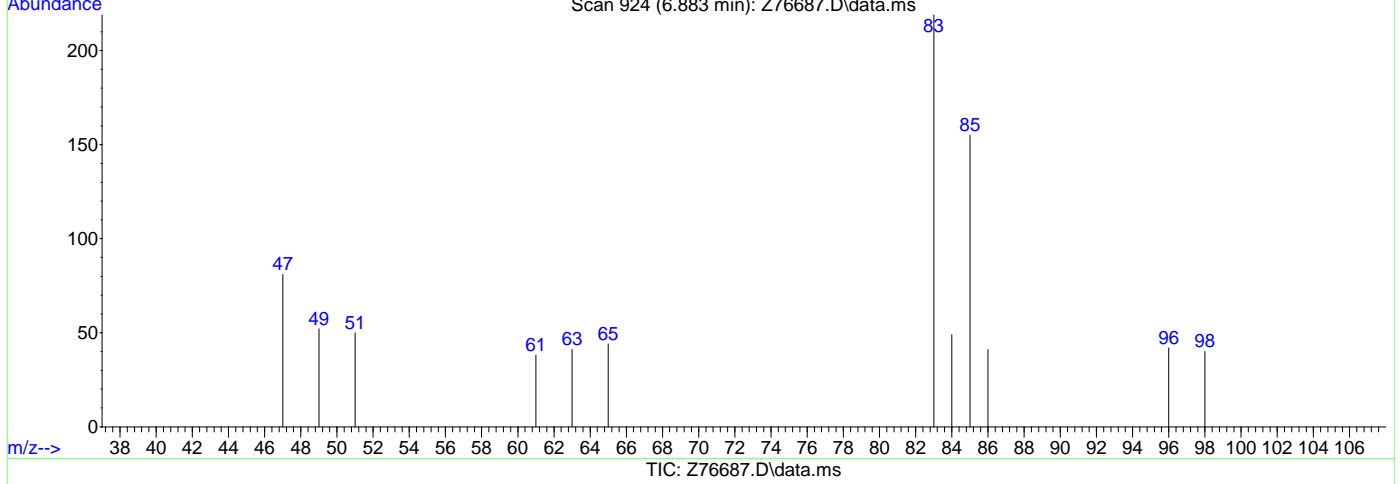
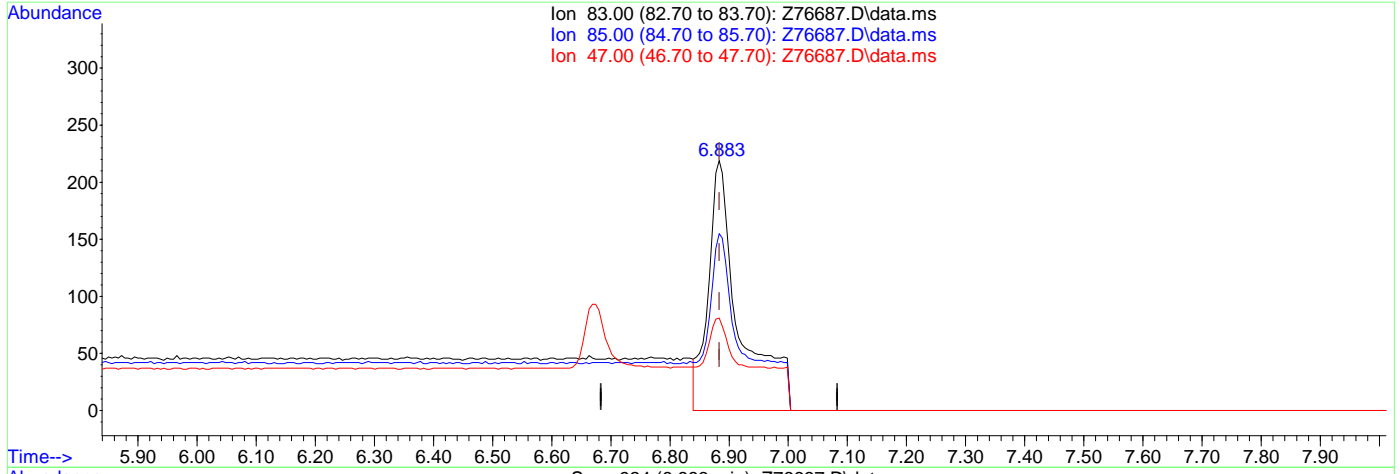


Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\083024\
Data File : Z76687.D
Acq On : 30 Aug 2024 3:07 pm
Operator : claudias
Sample : FC18326-15
Misc : MS57393,VZ3087,,,,,
ALS Vial : 20 Sample Multiplier: 1

Inst : MSVOA15-Z

Quant Time: Sep 03 06:22:59 2024
Quant Method : C:\msdchem\1\methods\SIMCL-08-28-2024.M
Quant Title : Standard Methods 6200B
QLast Update : Wed Aug 28 11:30:23 2024
Response via : Initial Calibration



(9) Chloroform

6.883min (+0.000) 0.22ug/L

response 808

Ion	Exp%	Act%
83.00	100	100
85.00	65.90	70.78
47.00	21.00	36.99
0.00	0.00	0.00



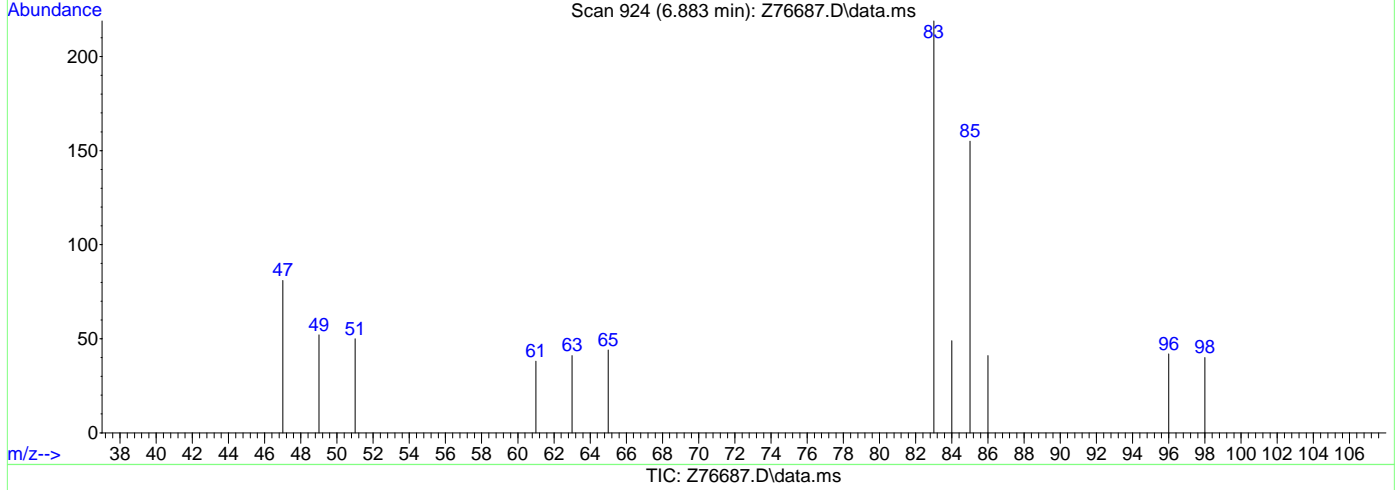
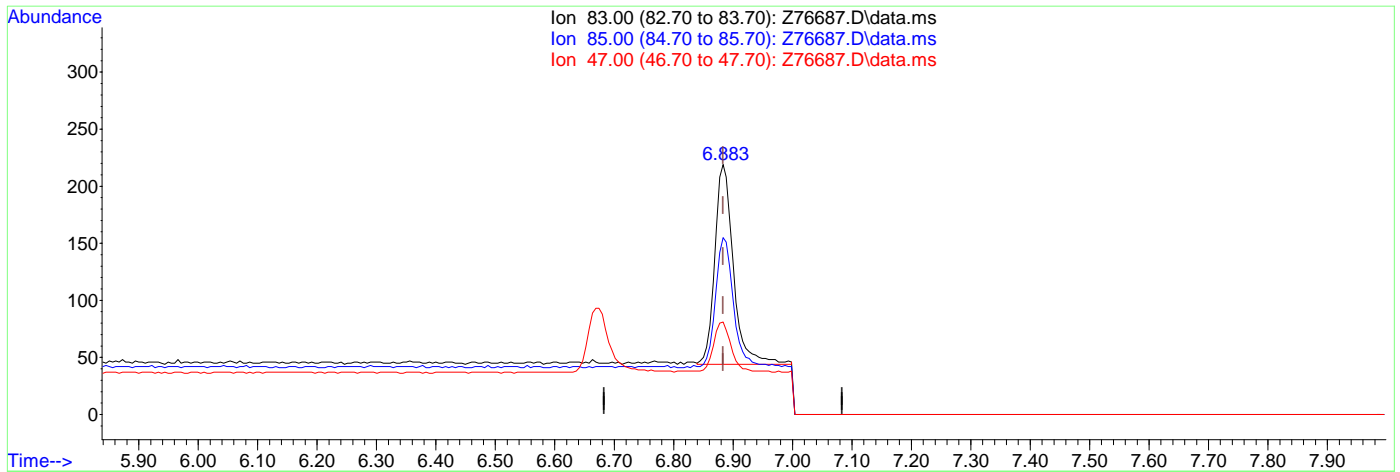
7.1.15.4
7

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\083024\
Data File : Z76687.D
Acq On : 30 Aug 2024 3:07 pm
Operator : claudias
Sample : FC18326-15
Misc : MS57393,VZ3087,,,,,
ALS Vial : 20 Sample Multiplier: 1

Inst : MSVOA15-Z

Quant Time: Sep 03 07:05:00 2024
Quant Method : C:\msdchem\1\methods\SIMCL-08-28-2024.M
Quant Title : Standard Methods 6200B
QLast Update : Wed Aug 28 11:30:23 2024
Response via : Initial Calibration



(9) Chloroform
6.883min (+0.000) 0.10ug/L m
response 382
Ion Exp% Act%
83.00 100 100
85.00 65.90 70.78
47.00 21.00 36.99
0.00 0.00 0.00



7.1.15.5
7

Manual Integrations
APPROVED
 (compounds with "m" flag)
 Karen Watson
 09/03/24 11:12

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\083024\
 Data File : Z76688.D
 Acq On : 30 Aug 2024 3:30 pm
 Operator : claudias
 Sample : FC18326-16 Inst : MSVOA15-Z
 Misc : MS57393,VZ3087,,,,,
 ALS Vial : 21 Sample Multiplier: 1

Quant Time: Sep 03 07:20:34 2024
 Quant Method : C:\msdchem\1\methods\SIMCL-08-28-2024.M
 Quant Title : Standard Methods 6200B
 QLast Update : Wed Aug 28 11:30:23 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Fluorobenzene	7.894	96	19803	5.00	ug/L	0.00
18) Chlorobenzene-d5	10.980	117	22992	5.00	ug/L	0.00
System Monitoring Compounds						
13) 1,2-Dichloroethane-d4	7.628	65	6848	5.71	ug/L	0.00
Spiked Amount	5.000	Range 74 - 125	Recovery	=	114.20%	
19) Toluene-d8	9.428	98	24452	4.77	ug/L	0.00
Spiked Amount	5.000	Range 88 - 111	Recovery	=	95.40%	
Target Compounds						
5) Methylene Chloride	5.213	49	251	0.08	ug/L #	54
9) Chloroform	6.883	83	1191m	0.34	ug/L	
15) Trichloroethene	8.060	95	466	0.29	ug/L	85

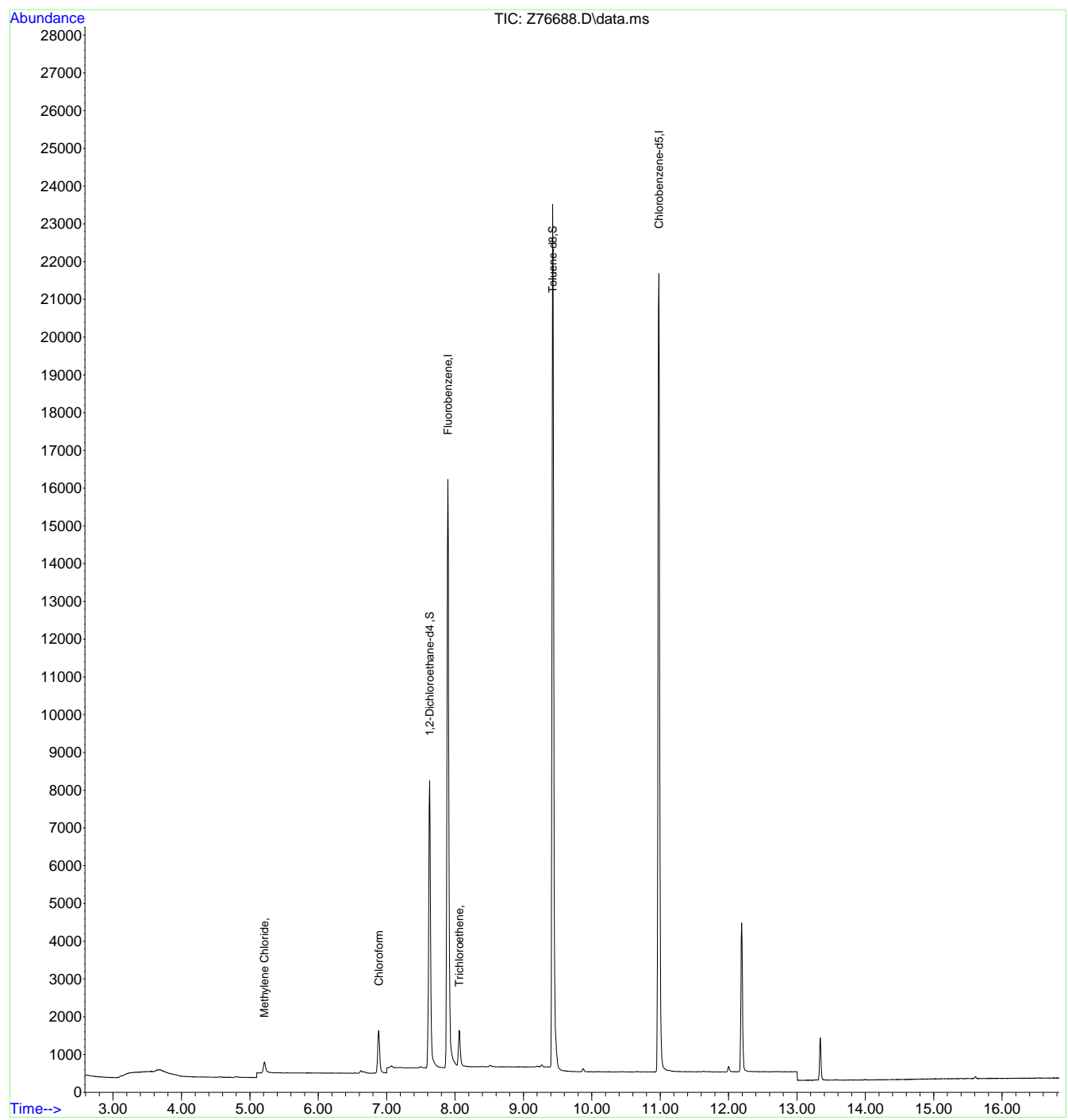
(#) = qualifier out of range (m) = manual integration (+) = signals summed

7.1.16
7

Quantitation Report (QT Reviewed)

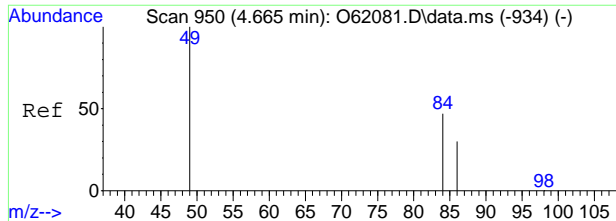
Data Path : C:\msdchem\1\data\083024\
Data File : Z76688.D
Acq On : 30 Aug 2024 3:30 pm
Operator : claudias
Sample : FC18326-16 Inst : MSVOA15-Z
Misc : MS57393,VZ3087,,,,,
ALS Vial : 21 Sample Multiplier: 1

Quant Time: Sep 03 07:20:34 2024
Quant Method : C:\msdchem\1\methods\SIMCL-08-28-2024.M
Quant Title : Standard Methods 6200B
QLast Update : Wed Aug 28 11:30:23 2024
Response via : Initial Calibration



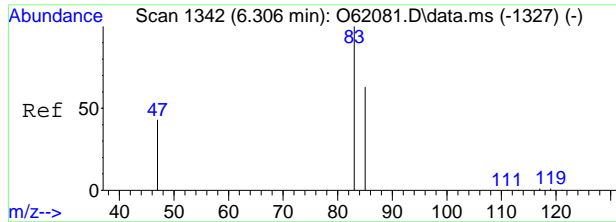
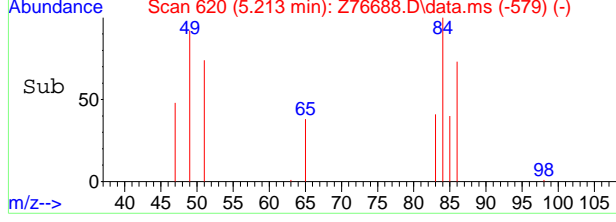
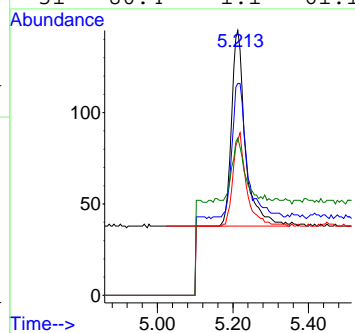
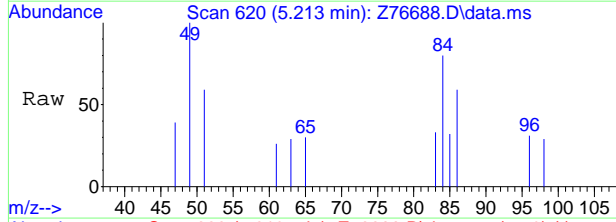
7.1.16
7





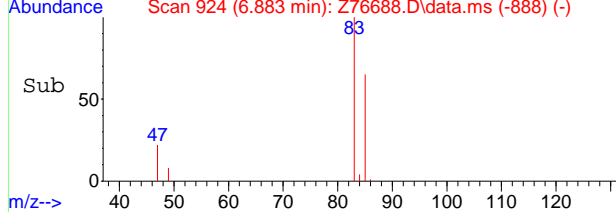
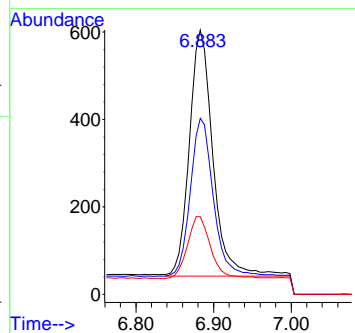
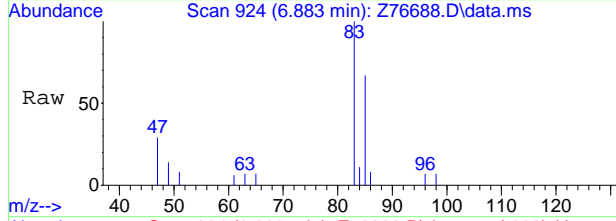
#5
 Methylene Chloride
 Concen: 0.08 ug/L
 RT: 5.213 min Scan# 620
 Delta R.T. 0.000 min
 Lab File: Z76688.D
 Acq: 30 Aug 2024 3:30 pm

Tgt Ion	Ratio	Lower	Upper
49	100		
84	108.4	49.7	109.7
86	79.4	22.0	82.0
51	80.4	1.1	61.1#



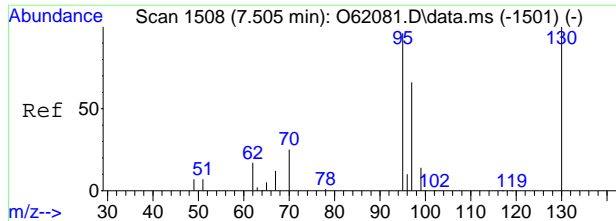
#9
 Chloroform
 Concen: 0.34 ug/L m
 RT: 6.883 min Scan# 924
 Delta R.T. -0.000 min
 Lab File: Z76688.D
 Acq: 30 Aug 2024 3:30 pm

Tgt Ion	Ratio	Lower	Upper
83	100		
85	66.6	35.9	95.9
47	29.4	0.0	51.0

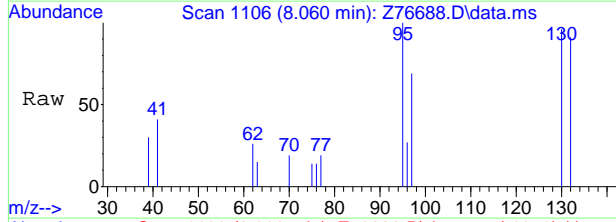


7.1.16
7



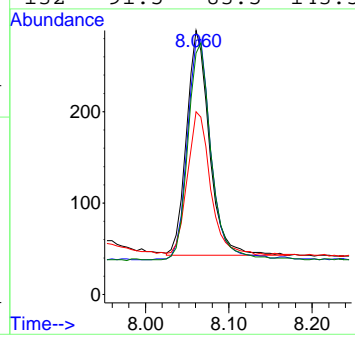
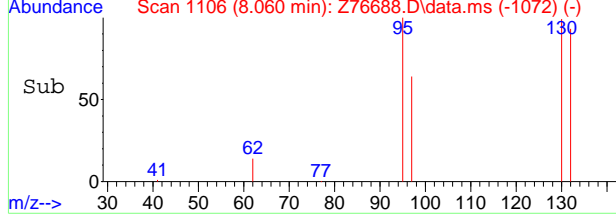


#15
 Trichloroethene
 Concen: 0.29 ug/L
 RT: 8.060 min Scan# 1106
 Delta R.T. -0.001 min
 Lab File: Z76688.D
 Acq: 30 Aug 2024 3:30 pm



Tgt Ion: 95 Resp: 466

Ion	Ratio	Lower	Upper
95	100		
130	97.2	84.5	144.5
97	63.4	36.4	96.4
132	91.5	83.5	143.5



7.1.16
7

Manual Integration Approval Summary

Sample Number: FC18326-16 **Method:** SW846 8260D BY SIM
Lab FileID: Z76688.D **Analyst approved:** 09/03/24 08:25 Claudia Sosa
Injection Time: 08/30/24 15:30 **Supervisor approved:** 09/03/24 11:12 Karen Watson

Parameter	CAS	Sig#	R.T. (min.)	Reason
Chloroform	67-66-3		6.88	Poor instrument integration

7.1.16.1

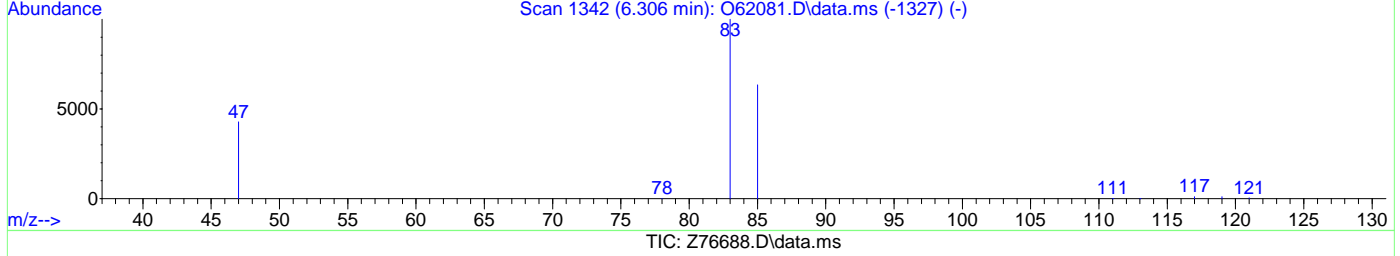
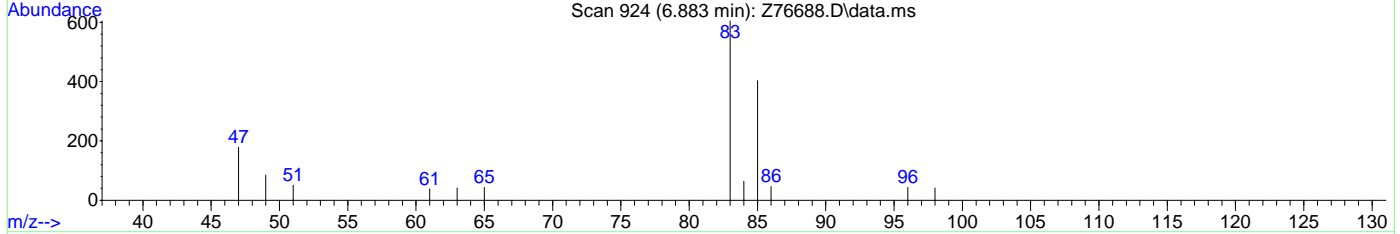
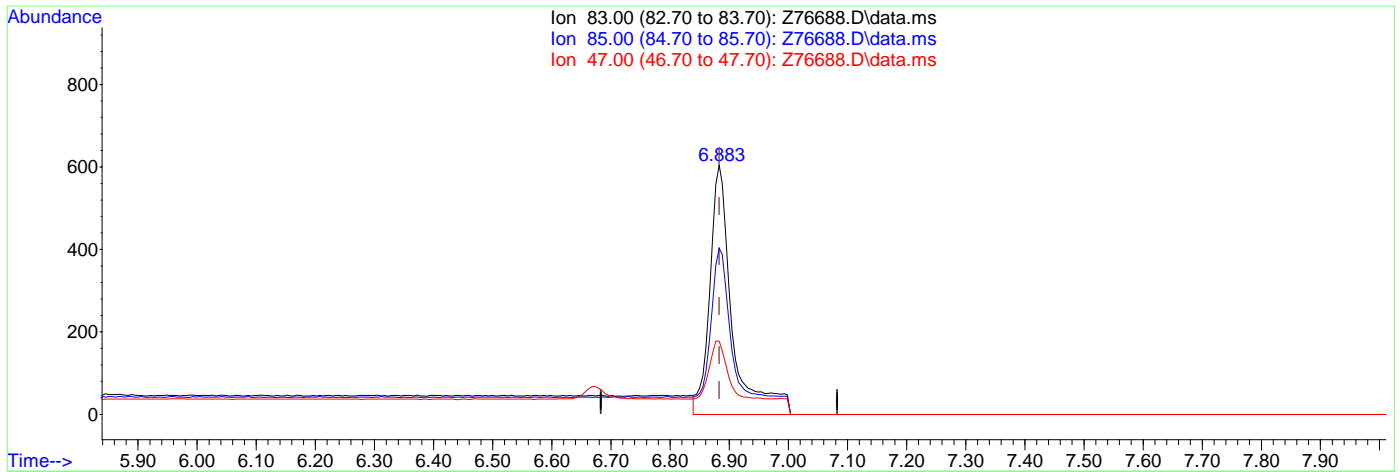
7

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\083024\
Data File : Z76688.D
Acq On : 30 Aug 2024 3:30 pm
Operator : claudias
Sample : FC18326-16
Misc : MS57393,VZ3087,,,,,
ALS Vial : 21 Sample Multiplier: 1

Inst : MSVOA15-Z

Quant Time: Sep 03 06:23:01 2024
Quant Method : C:\msdchem\1\methods\SIMCL-08-28-2024.M
Quant Title : Standard Methods 6200B
QLast Update : Wed Aug 28 11:30:23 2024
Response via : Initial Calibration



(9) Chloroform

6.883min (-0.000) 0.46ug/L

response 1605

Ion	Exp%	Act%
83.00	100	100
85.00	65.90	66.61
47.00	21.00	29.42
0.00	0.00	0.00



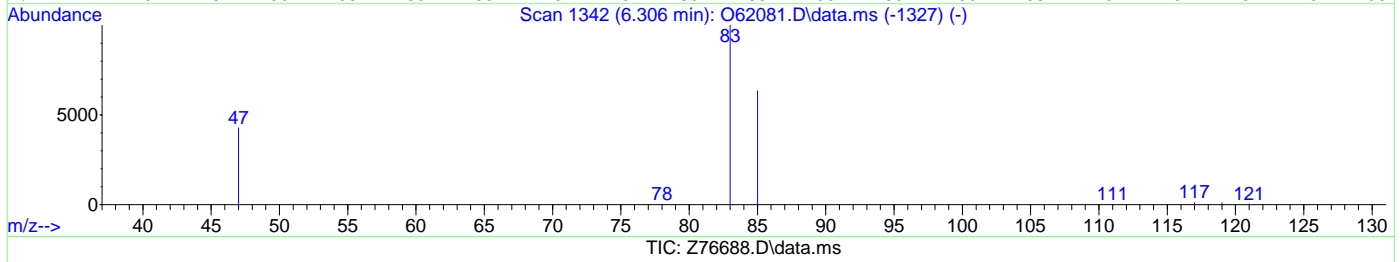
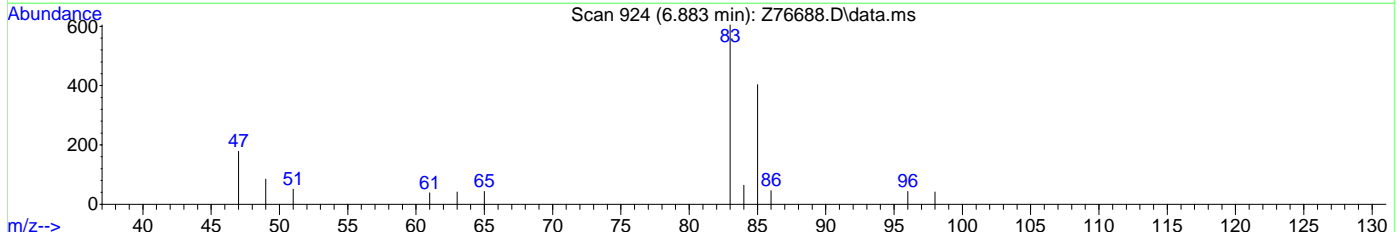
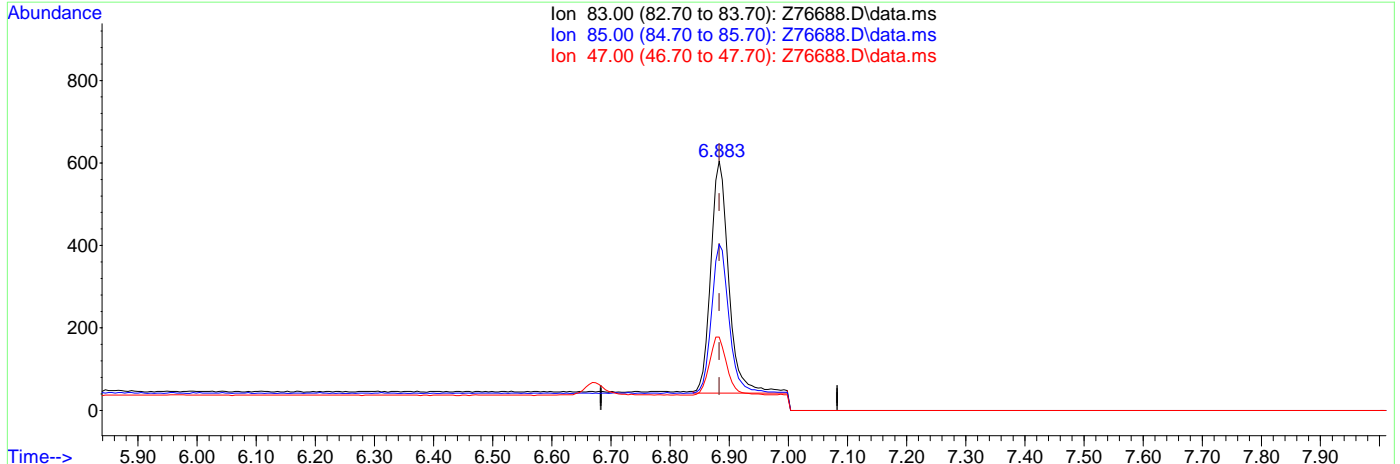
7.1.162
7

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\083024\
Data File : Z76688.D
Acq On : 30 Aug 2024 3:30 pm
Operator : claudias
Sample : FC18326-16
Misc : MS57393,VZ3087,,,,,
ALS Vial : 21 Sample Multiplier: 1

Inst : MSVOA15-Z

Quant Time: Sep 03 06:23:01 2024
Quant Method : C:\msdchem\1\methods\SIMCL-08-28-2024.M
Quant Title : Standard Methods 6200B
QLast Update : Wed Aug 28 11:30:23 2024
Response via : Initial Calibration



(9) Chloroform

6.883min (-0.000) 0.34ug/L m

response 1191

Ion	Exp%	Act%
83.00	100	100
85.00	65.90	66.61
47.00	21.00	29.42
0.00	0.00	0.00



7.1.16.3
7

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\083024\
Data File : Z76689.D
Acq On : 30 Aug 2024 3:52 pm
Operator : claudias
Sample : FC18326-17 Inst : MSVOA15-Z
Misc : MS57393,VZ3087,,,,,
ALS Vial : 22 Sample Multiplier: 1

Quant Time: Sep 03 07:08:53 2024
Quant Method : C:\msdchem\1\methods\SIMCL-08-28-2024.M
Quant Title : Standard Methods 6200B
QLast Update : Wed Aug 28 11:30:23 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	

Internal Standards							
1) Fluorobenzene	7.895	96	20289	5.00	ug/L	0.00	
18) Chlorobenzene-d5	10.980	117	23360	5.00	ug/L	0.00	
System Monitoring Compounds							
13) 1,2-Dichloroethane-d4	7.628	65	6868	5.59	ug/L	0.00	
Spiked Amount	5.000	Range	74 - 125	Recovery	=	111.80%	
19) Toluene-d8	9.428	98	24990	4.80	ug/L	0.00	
Spiked Amount	5.000	Range	88 - 111	Recovery	=	96.00%	
Target Compounds							
5) Methylene Chloride	5.213	49	286	0.09	ug/L		Qvalue 94
9) Chloroform	6.883	83	541m	0.15	ug/L		
10) Carbon Tetrachloride	7.051	117	1610m	0.60	ug/L		

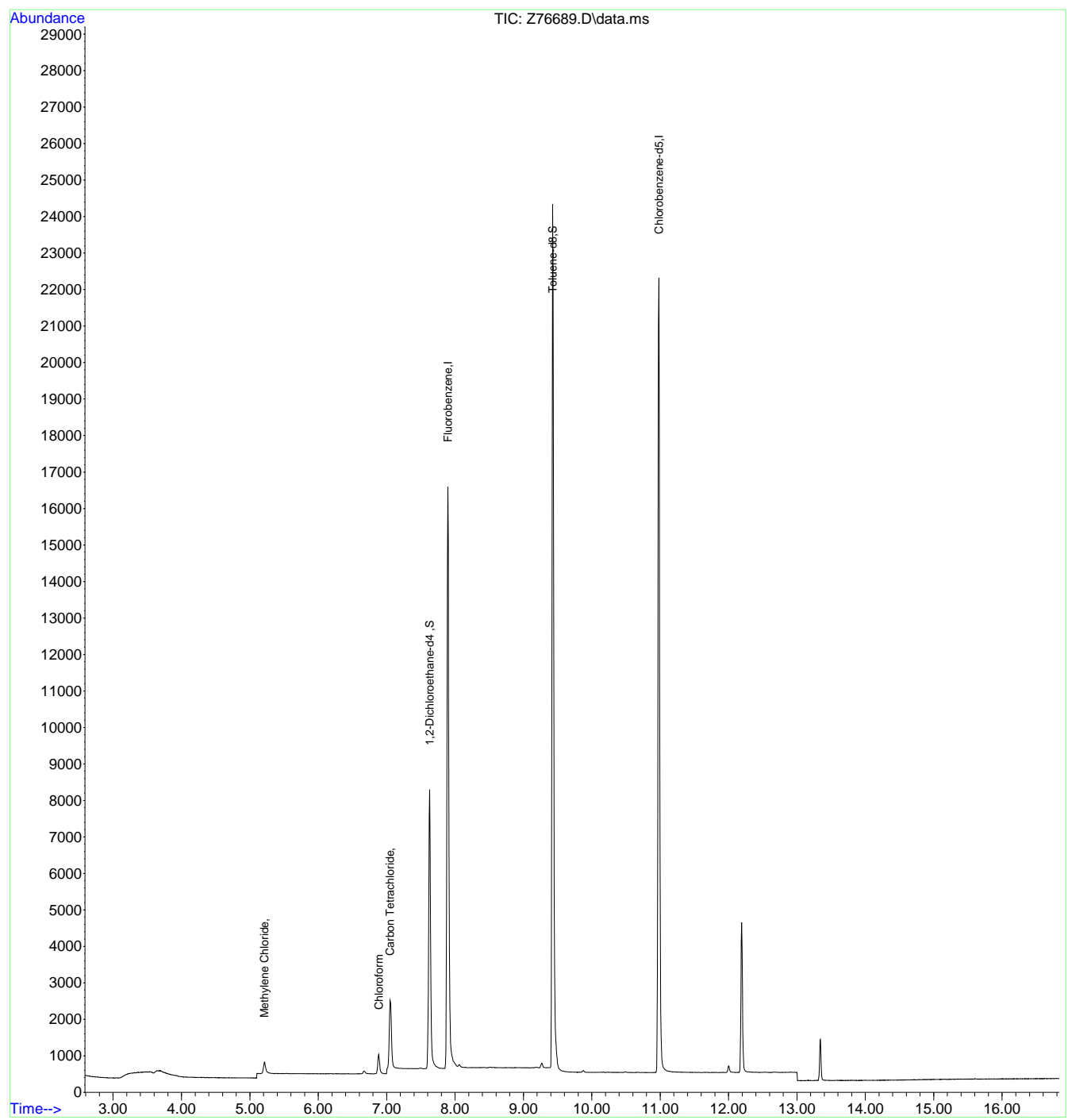
(#) = qualifier out of range (m) = manual integration (+) = signals summed

7.1.17
7

Quantitation Report (QT Reviewed)

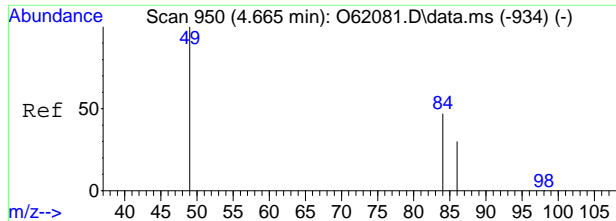
Data Path : C:\msdchem\1\data\083024\
Data File : Z76689.D
Acq On : 30 Aug 2024 3:52 pm
Operator : claudias
Sample : FC18326-17 Inst : MSVOA15-Z
Misc : MS57393,VZ3087,,,,,
ALS Vial : 22 Sample Multiplier: 1

Quant Time: Sep 03 07:08:53 2024
Quant Method : C:\msdchem\1\methods\SIMCL-08-28-2024.M
Quant Title : Standard Methods 6200B
QLast Update : Wed Aug 28 11:30:23 2024
Response via : Initial Calibration



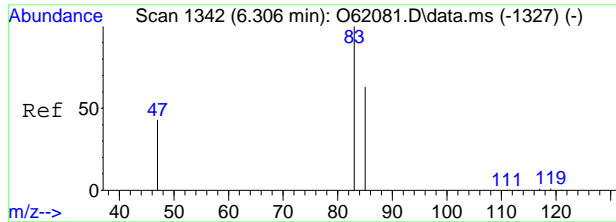
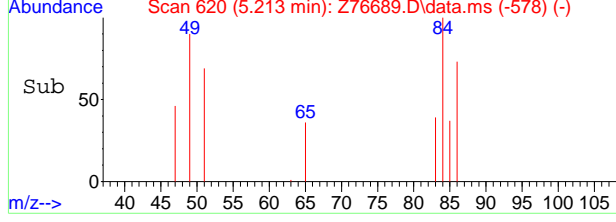
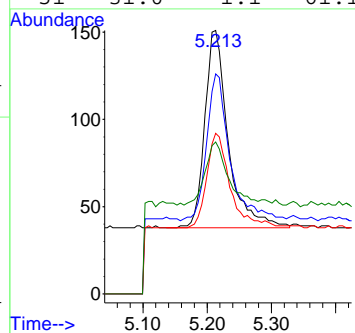
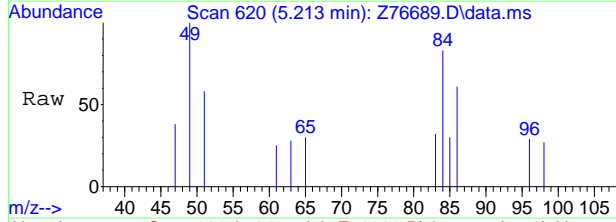
7.1.17
7





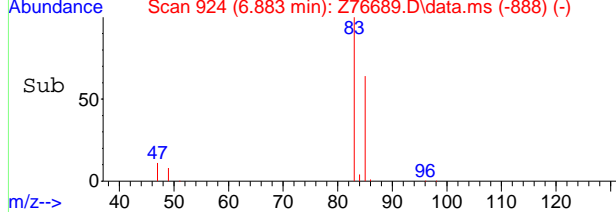
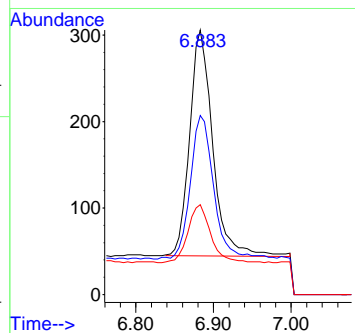
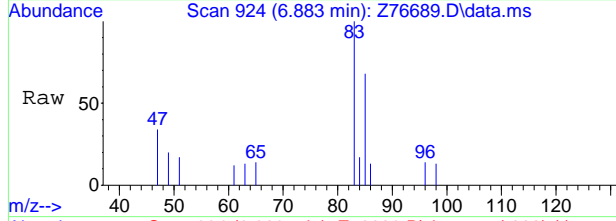
#5
 Methylene Chloride
 Concen: 0.09 ug/L
 RT: 5.213 min Scan# 620
 Delta R.T. 0.000 min
 Lab File: Z76689.D
 Acq: 30 Aug 2024 3:52 pm

Tgt Ion	Ratio	Lower	Upper
49	100		
84	72.6	49.7	109.7
86	47.8	22.0	82.0
51	31.0	1.1	61.1



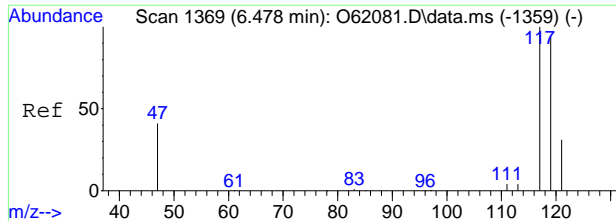
#9
 Chloroform
 Concen: 0.15 ug/L m
 RT: 6.883 min Scan# 924
 Delta R.T. -0.000 min
 Lab File: Z76689.D
 Acq: 30 Aug 2024 3:52 pm

Tgt Ion	Ratio	Lower	Upper
83	100		
85	67.6	35.9	95.9
47	34.0	0.0	51.0



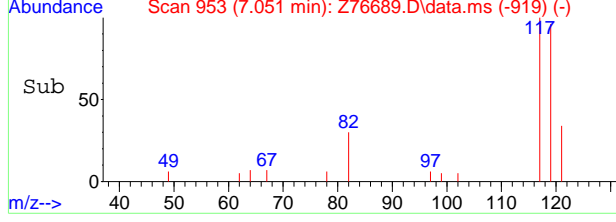
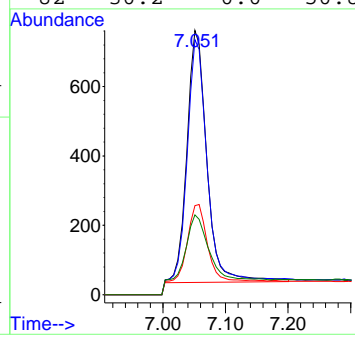
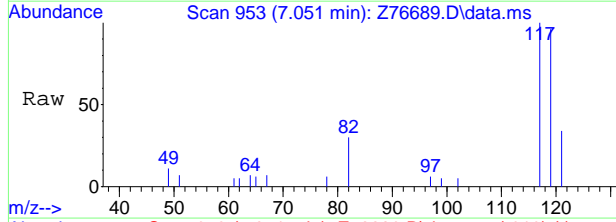
7.1.17
7





#10
 Carbon Tetrachloride
 Concen: 0.60 ug/L m
 RT: 7.051 min Scan# 953
 Delta R.T. -0.007 min
 Lab File: Z76689.D
 Acq: 30 Aug 2024 3:52 pm

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.5	66.2	126.2
121	33.7	1.2	61.2
82	30.2	0.0	50.8



7.1.17
7



Manual Integration Approval Summary

Sample Number: FC18326-17
Lab FileID: Z76689.D
Injection Time: 08/30/24 15:52

Method: SW846 8260D BY SIM
Analyst approved: 09/03/24 08:25 Claudia Sosa
Supervisor approved: 09/03/24 11:12 Karen Watson

Parameter	CAS	Sig#	R.T. (min.)	Reason
Chloroform	67-66-3		6.88	Poor instrument integration
Carbon Tetrachloride	56-23-5		7.05	Poor instrument integration

7.1.17.1

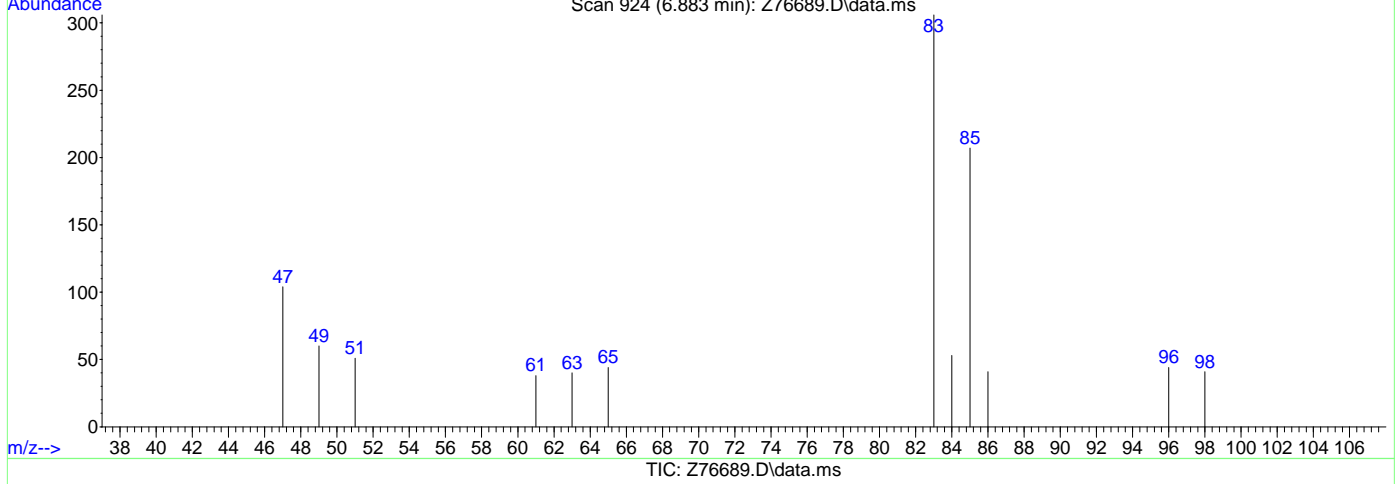
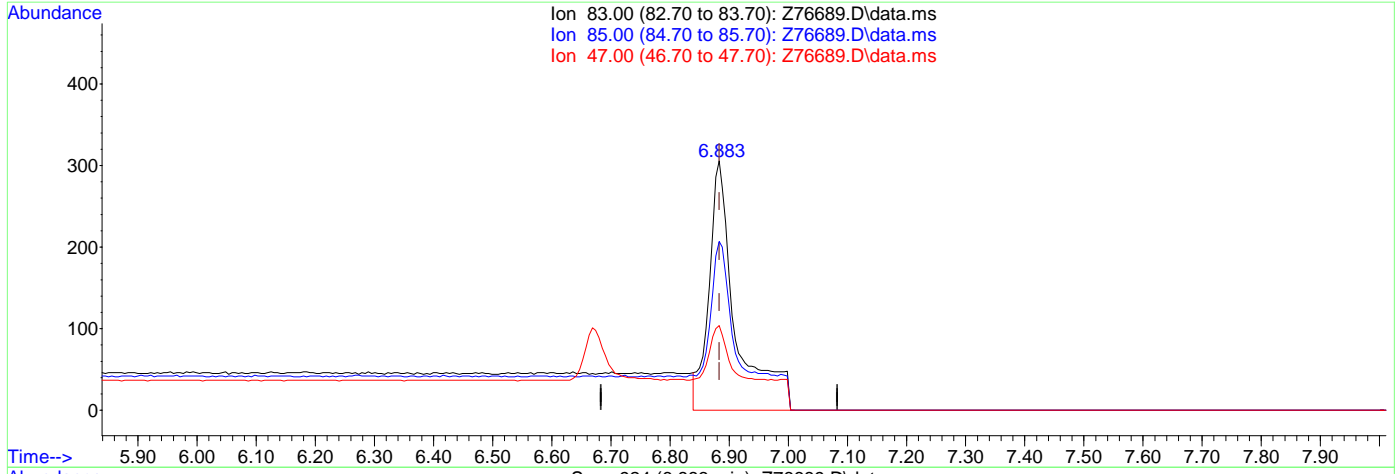
7

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\083024\
Data File : Z76689.D
Acq On : 30 Aug 2024 3:52 pm
Operator : claudias
Sample : FC18326-17
Misc : MS57393,VZ3087,,,,,
ALS Vial : 22 Sample Multiplier: 1

Inst : MSVOA15-Z

Quant Time: Sep 03 06:23:03 2024
Quant Method : C:\msdchem\1\methods\SIMCL-08-28-2024.M
Quant Title : Standard Methods 6200B
QLast Update : Wed Aug 28 11:30:23 2024
Response via : Initial Calibration



(9) Chloroform

6.883min (-0.000) 0.27ug/L

response 974

Ion	Exp%	Act%
83.00	100	100
85.00	65.90	67.65
47.00	21.00	33.99
0.00	0.00	0.00



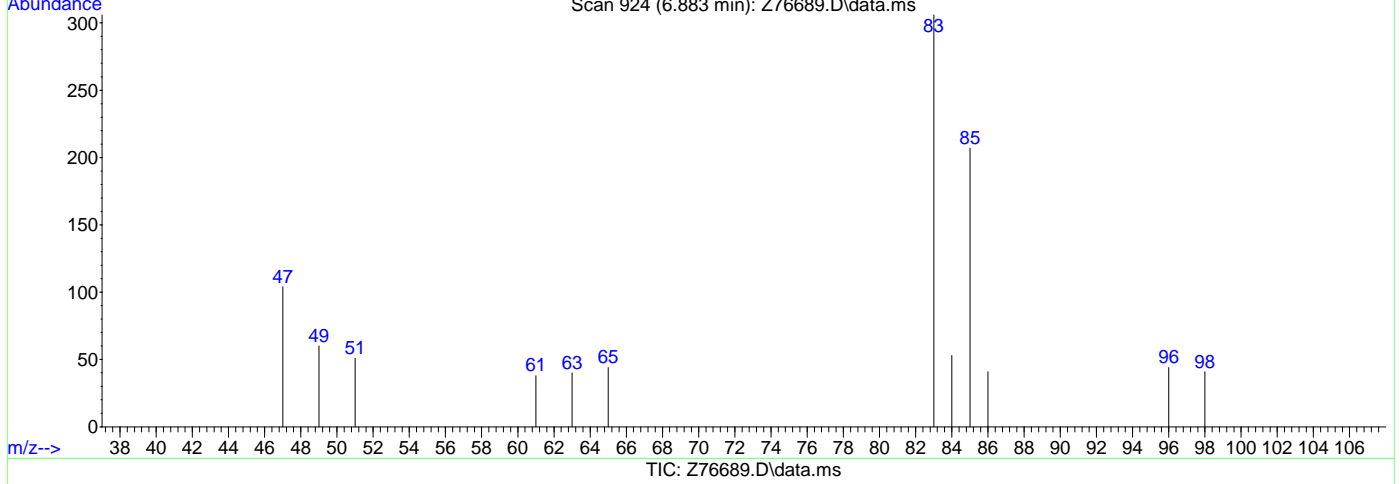
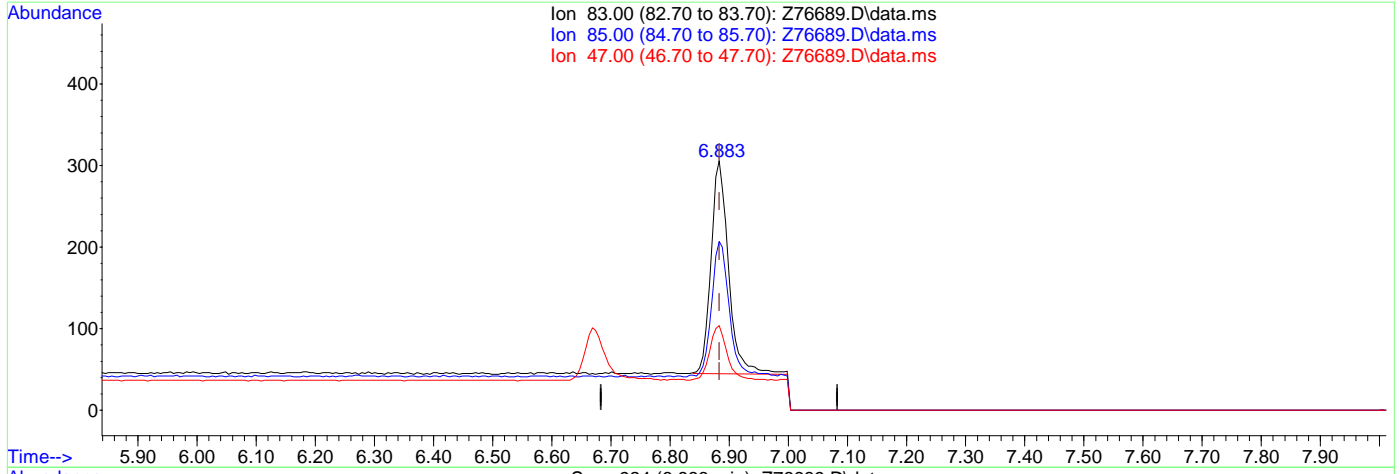
7.1.17.2
7

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\083024\
Data File : Z76689.D
Acq On : 30 Aug 2024 3:52 pm
Operator : claudias
Sample : FC18326-17
Misc : MS57393,VZ3087,,,,,
ALS Vial : 22 Sample Multiplier: 1

Inst : MSVOA15-Z

Quant Time: Sep 03 06:23:03 2024
Quant Method : C:\msdchem\1\methods\SIMCL-08-28-2024.M
Quant Title : Standard Methods 6200B
QLast Update : Wed Aug 28 11:30:23 2024
Response via : Initial Calibration



(9) Chloroform

6.883min (-0.000) 0.15ug/L m

response 541

Ion	Exp%	Act%
83.00	100	100
85.00	65.90	67.65
47.00	21.00	33.99
0.00	0.00	0.00



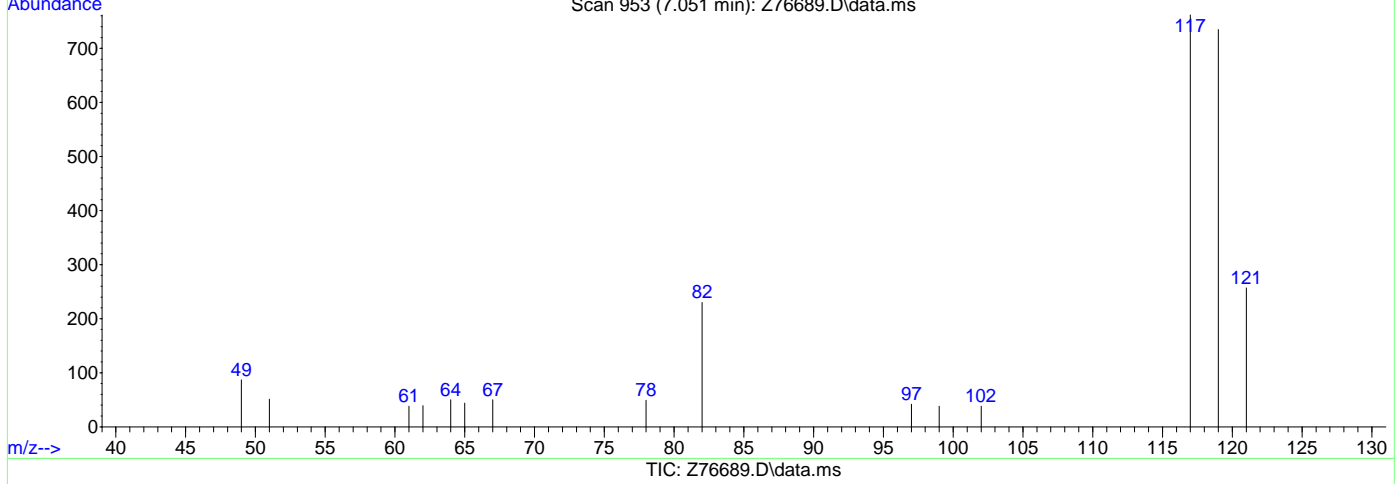
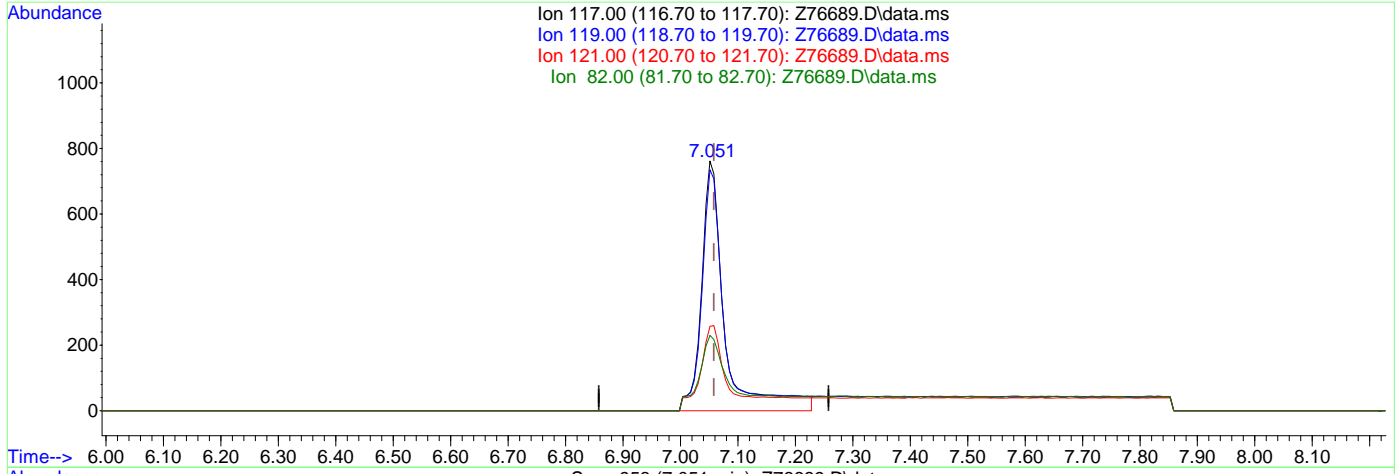
7.1.17.3
7

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\083024\
Data File : Z76689.D
Acq On : 30 Aug 2024 3:52 pm
Operator : claudias
Sample : FC18326-17
Misc : MS57393,VZ3087,,,,,
ALS Vial : 22 Sample Multiplier: 1

Inst : MSVOA15-Z

Quant Time: Sep 03 06:23:03 2024
Quant Method : C:\msdchem\1\methods\SIMCL-08-28-2024.M
Quant Title : Standard Methods 6200B
QLast Update : Wed Aug 28 11:30:23 2024
Response via : Initial Calibration



(10) Carbon Tetrachloride ()

7.051min (-0.007) 0.79ug/L

response 2106

Ion	Exp%	Act%
117.00	100	100
119.00	96.20	96.46
121.00	31.20	33.73
82.00	20.80	30.18

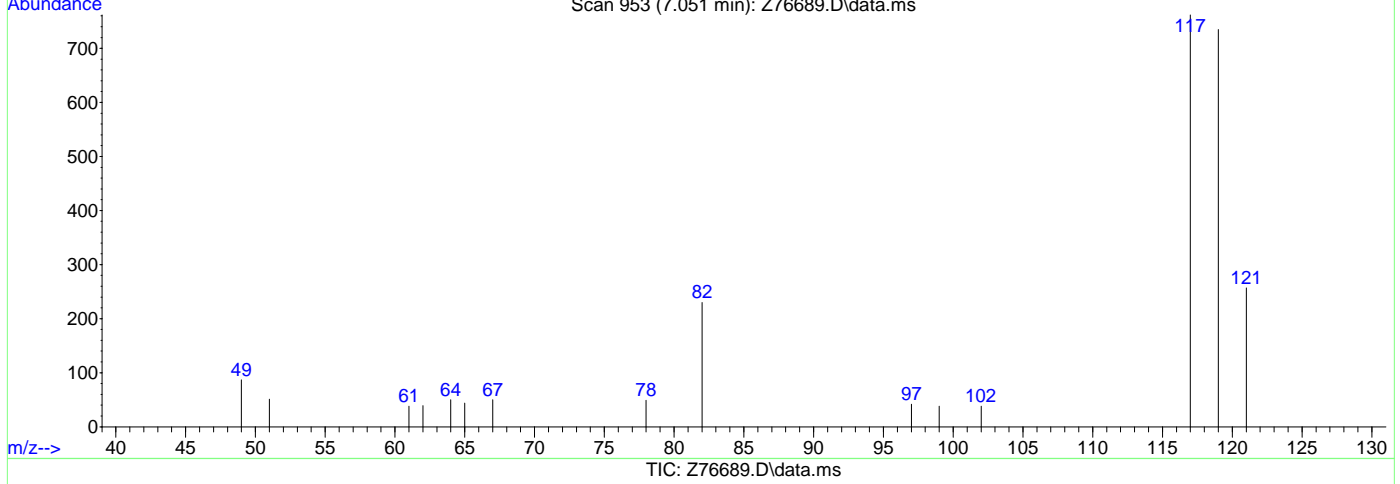
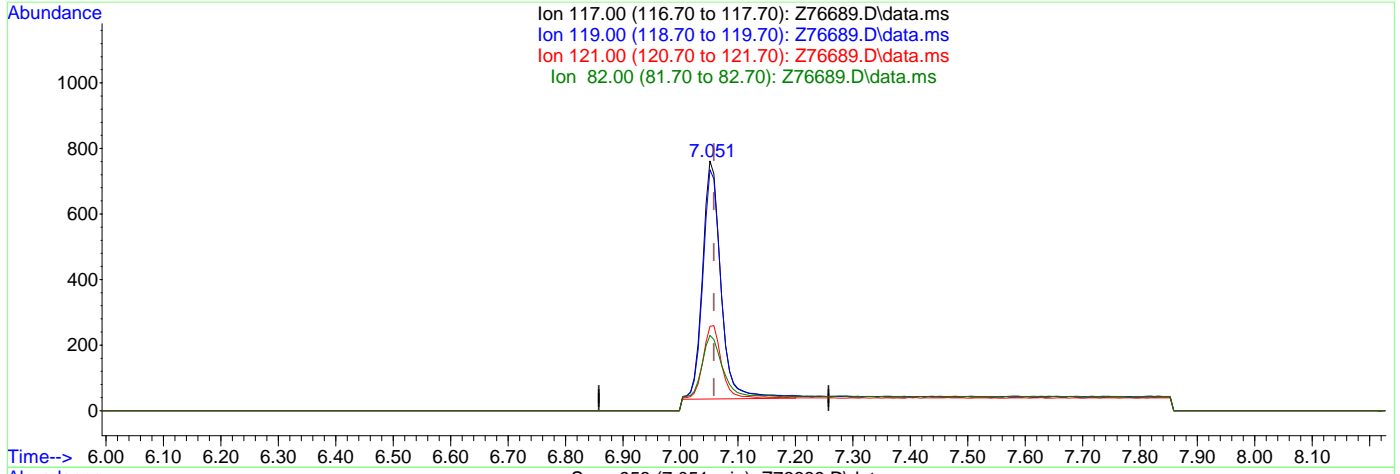


Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\083024\
Data File : Z76689.D
Acq On : 30 Aug 2024 3:52 pm
Operator : claudias
Sample : FC18326-17
Misc : MS57393,VZ3087,,,,,
ALS Vial : 22 Sample Multiplier: 1

Inst : MSVOA15-Z

Quant Time: Sep 03 06:23:03 2024
Quant Method : C:\msdchem\1\methods\SIMCL-08-28-2024.M
Quant Title : Standard Methods 6200B
QLast Update : Wed Aug 28 11:30:23 2024
Response via : Initial Calibration



(10) Carbon Tetrachloride ()

7.051min (-0.007) 0.60ug/L m

response 1610

Ion	Exp%	Act%
117.00	100	100
119.00	96.20	96.46
121.00	31.20	33.73
82.00	20.80	30.18



7.1.17.5
7

Manual Integrations
APPROVED
 (compounds with "m" flag)
 Karen Watson
 09/03/24 11:12

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\083024\
 Data File : Z76690.D
 Acq On : 30 Aug 2024 4:15 pm
 Operator : claudias
 Sample : FC18326-18 Inst : MSVOA15-Z
 Misc : MS57393,VZ3087,,,,,
 ALS Vial : 23 Sample Multiplier: 1

Quant Time: Sep 03 07:10:01 2024
 Quant Method : C:\msdchem\1\methods\SIMCL-08-28-2024.M
 Quant Title : Standard Methods 6200B
 QLast Update : Wed Aug 28 11:30:23 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	

Internal Standards							
1) Fluorobenzene	7.895	96	20044	5.00	ug/L	0.00	
18) Chlorobenzene-d5	10.981	117	23185	5.00	ug/L	0.00	
System Monitoring Compounds							
13) 1,2-Dichloroethane-d4	7.628	65	6894	5.68	ug/L	0.00	
Spiked Amount	5.000	Range	74 - 125	Recovery	=	113.60%	
19) Toluene-d8	9.428	98	24739	4.78	ug/L	0.00	
Spiked Amount	5.000	Range	88 - 111	Recovery	=	95.60%	
Target Compounds							
5) Methylene Chloride	5.213	49	293	0.10	ug/L		Qvalue 94
9) Chloroform	6.883	83	574m	0.16	ug/L		
10) Carbon Tetrachloride	7.051	117	1101m	0.42	ug/L		
15) Trichloroethene	8.067	95	89	0.06	ug/L		89

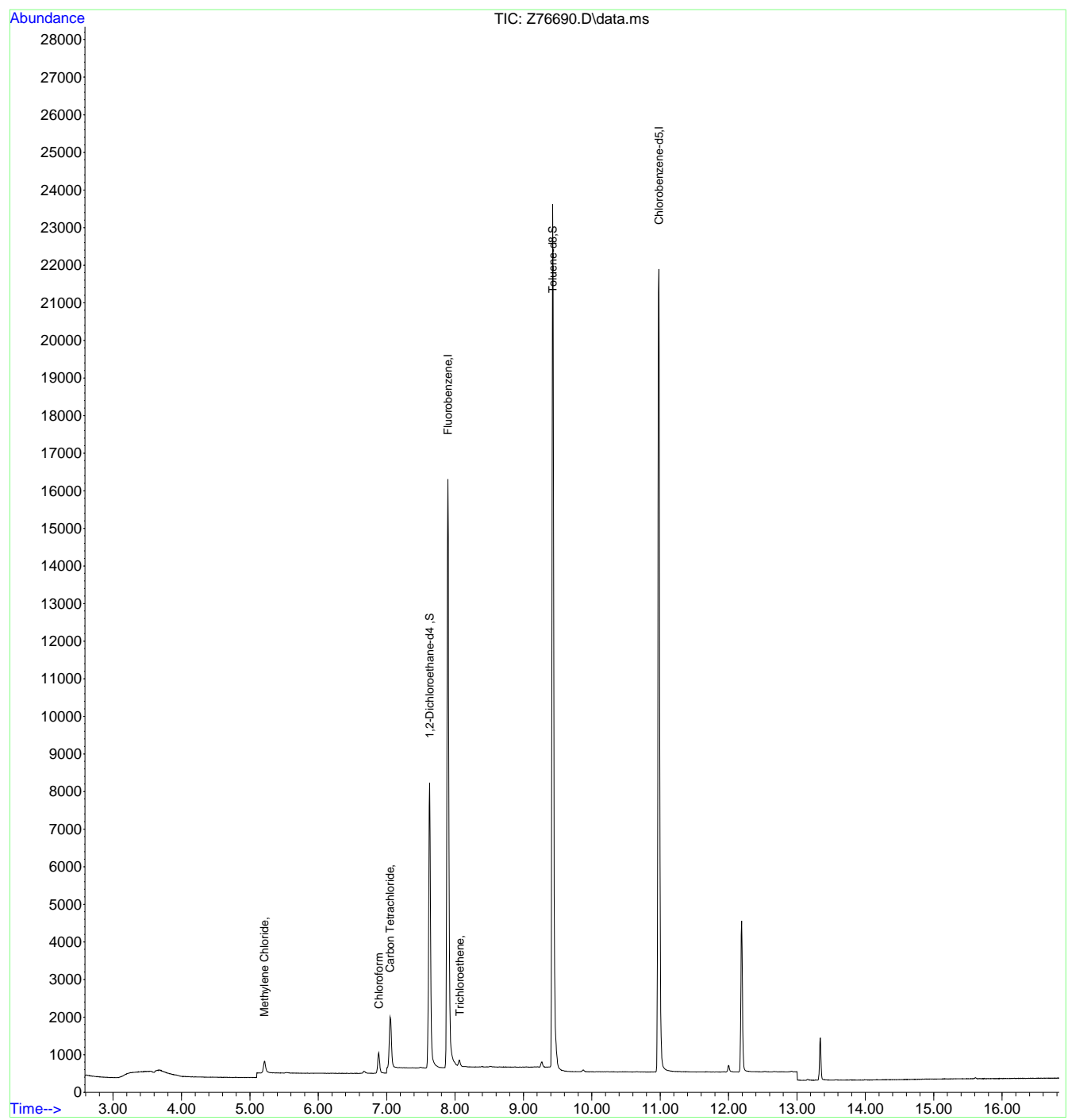
(#) = qualifier out of range (m) = manual integration (+) = signals summed

7.1.18
7

Quantitation Report (QT Reviewed)

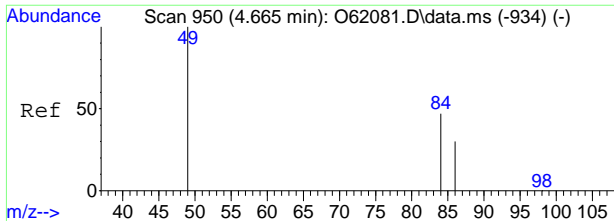
Data Path : C:\msdchem\1\data\083024\
Data File : Z76690.D
Acq On : 30 Aug 2024 4:15 pm
Operator : claudias
Sample : FC18326-18 Inst : MSVOA15-Z
Misc : MS57393,VZ3087,,,,,
ALS Vial : 23 Sample Multiplier: 1

Quant Time: Sep 03 07:10:01 2024
Quant Method : C:\msdchem\1\methods\SIMCL-08-28-2024.M
Quant Title : Standard Methods 6200B
QLast Update : Wed Aug 28 11:30:23 2024
Response via : Initial Calibration



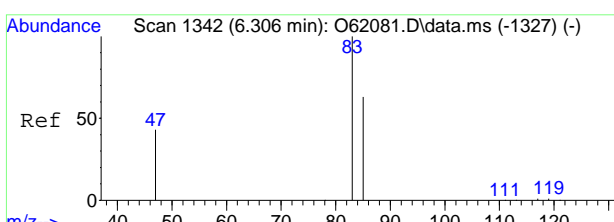
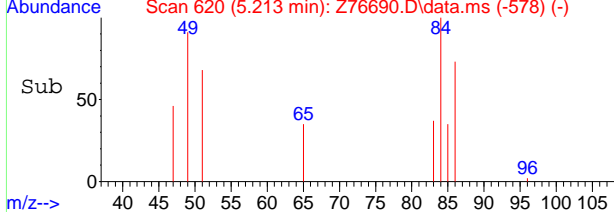
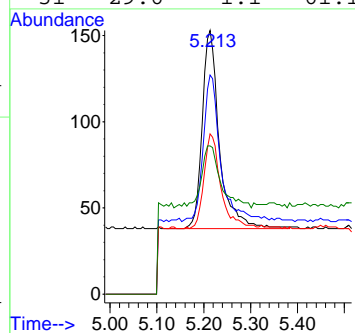
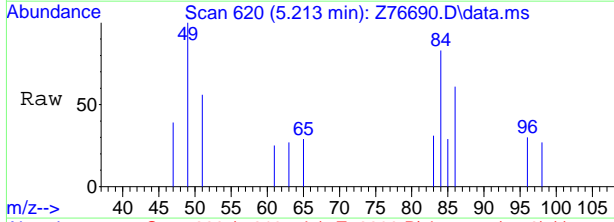
7.1.18
7





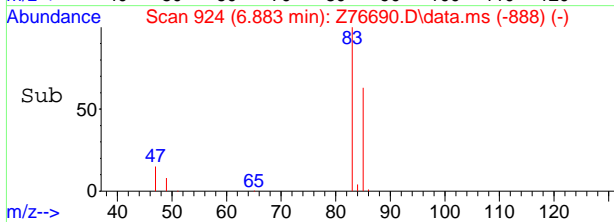
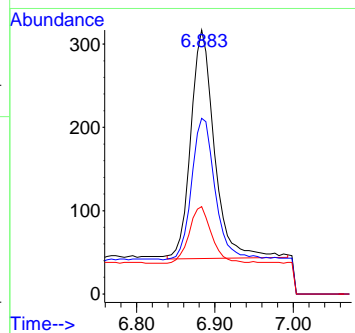
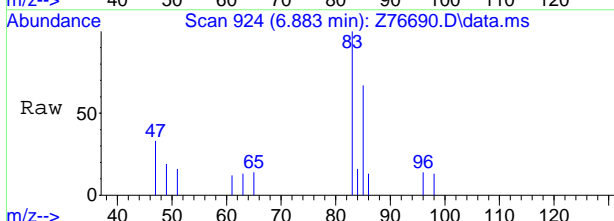
#5
 Methylene Chloride
 Concen: 0.10 ug/L
 RT: 5.213 min Scan# 620
 Delta R.T. 0.000 min
 Lab File: Z76690.D
 Acq: 30 Aug 2024 4:15 pm

Tgt Ion	Ratio	Lower	Upper
49	100		
84	73.0	49.7	109.7
86	47.8	22.0	82.0
51	29.6	1.1	61.1



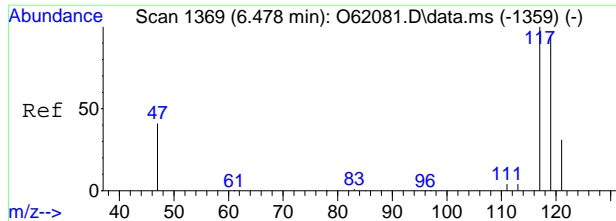
#9
 Chloroform
 Concen: 0.16 ug/L m
 RT: 6.883 min Scan# 924
 Delta R.T. 0.000 min
 Lab File: Z76690.D
 Acq: 30 Aug 2024 4:15 pm

Tgt Ion	Ratio	Lower	Upper
83	100		
85	66.6	35.9	95.9
47	33.1	0.0	51.0



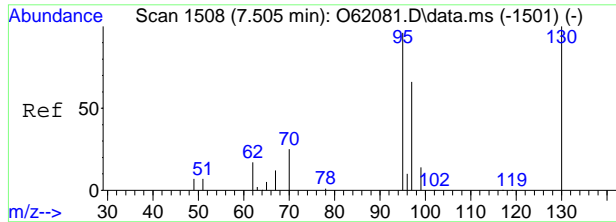
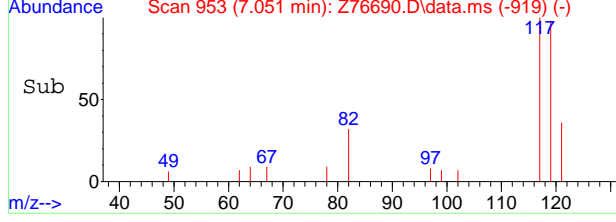
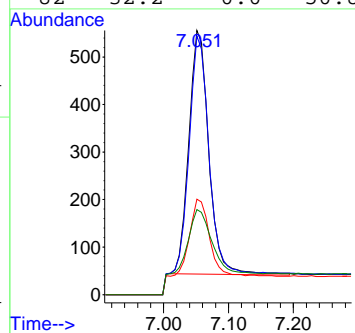
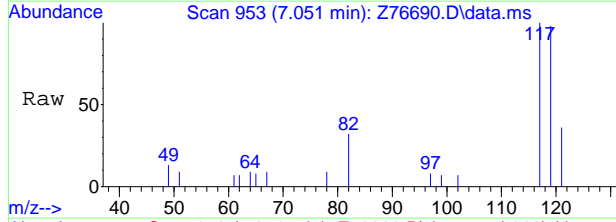
7.1.18
7





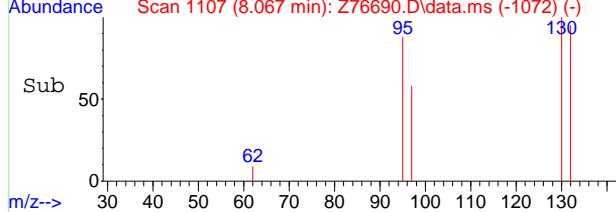
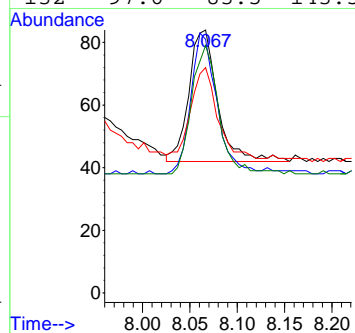
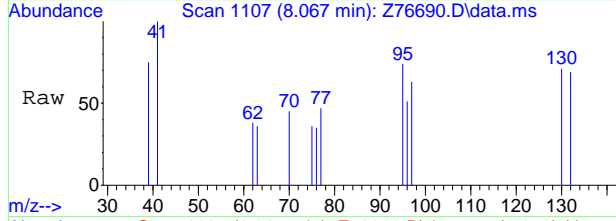
#10
 Carbon Tetrachloride
 Concen: 0.42 ug/L m
 RT: 7.051 min Scan# 953
 Delta R.T. -0.007 min
 Lab File: Z76690.D
 Acq: 30 Aug 2024 4:15 pm

Tgt Ion	Ratio	Lower	Upper
117	100		
119	97.8	66.2	126.2
121	36.2	1.2	61.2
82	32.2	0.0	50.8



#15
 Trichloroethene
 Concen: 0.06 ug/L
 RT: 8.067 min Scan# 1107
 Delta R.T. 0.006 min
 Lab File: Z76690.D
 Acq: 30 Aug 2024 4:15 pm

Tgt Ion	Ratio	Lower	Upper
95	100		
130	102.4	84.5	144.5
97	69.0	36.4	96.4
132	97.6	83.5	143.5



7.1.18
7



Manual Integration Approval Summary

Sample Number: FC18326-18 **Method:** SW846 8260D BY SIM
Lab FileID: Z76690.D **Analyst approved:** 09/03/24 08:25 Claudia Sosa
Injection Time: 08/30/24 16:15 **Supervisor approved:** 09/03/24 11:12 Karen Watson

Parameter	CAS	Sig#	R.T. (min.)	Reason
Chloroform	67-66-3		6.88	Poor instrument integration
Carbon Tetrachloride	56-23-5		7.05	Poor instrument integration

7.1.18.1

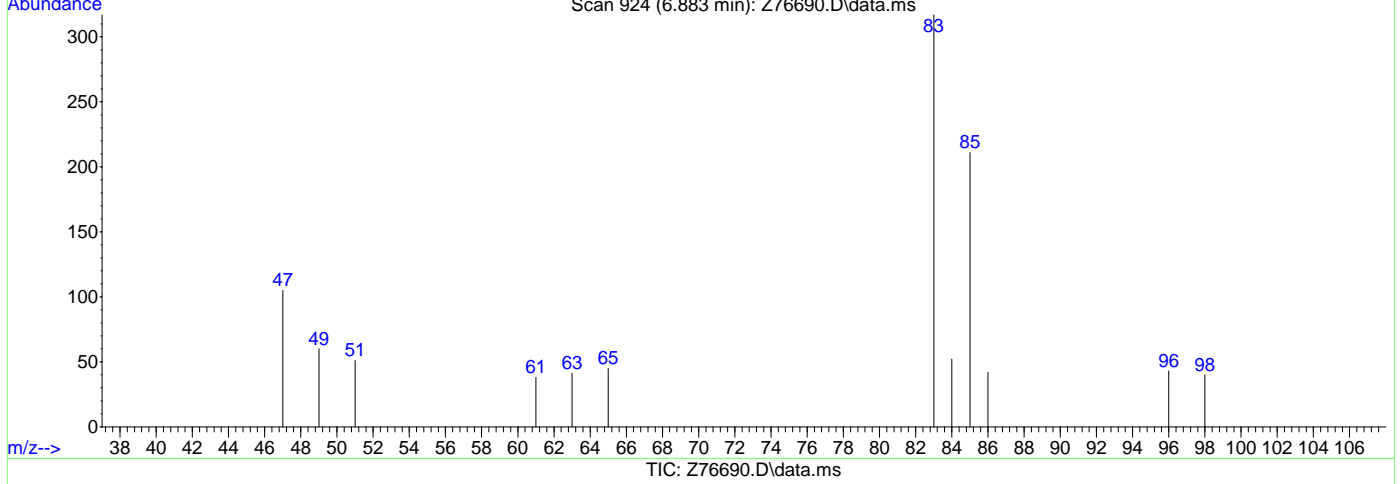
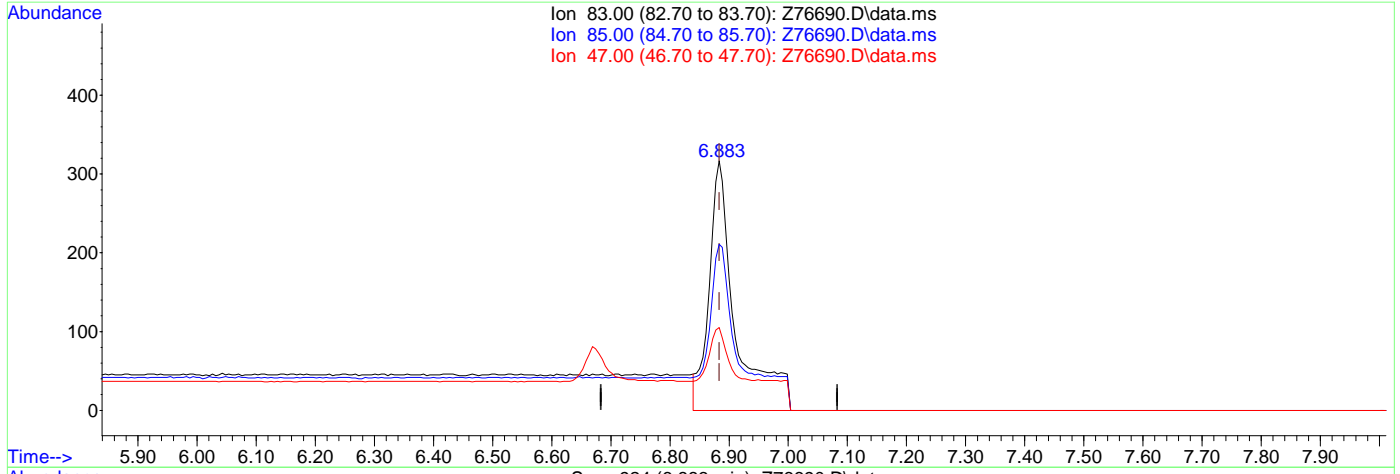
7

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\083024\
Data File : Z76690.D
Acq On : 30 Aug 2024 4:15 pm
Operator : claudias
Sample : FC18326-18
Misc : MS57393,VZ3087,,,,,
ALS Vial : 23 Sample Multiplier: 1

Inst : MSVOA15-Z

Quant Time: Sep 03 06:23:05 2024
Quant Method : C:\msdchem\1\methods\SIMCL-08-28-2024.M
Quant Title : Standard Methods 6200B
QLast Update : Wed Aug 28 11:30:23 2024
Response via : Initial Calibration



(9) Chloroform

6.883min (+0.000) 0.28ug/L

response 994

Ion	Exp%	Act%
83.00	100	100
85.00	65.90	66.56
47.00	21.00	33.12
0.00	0.00	0.00



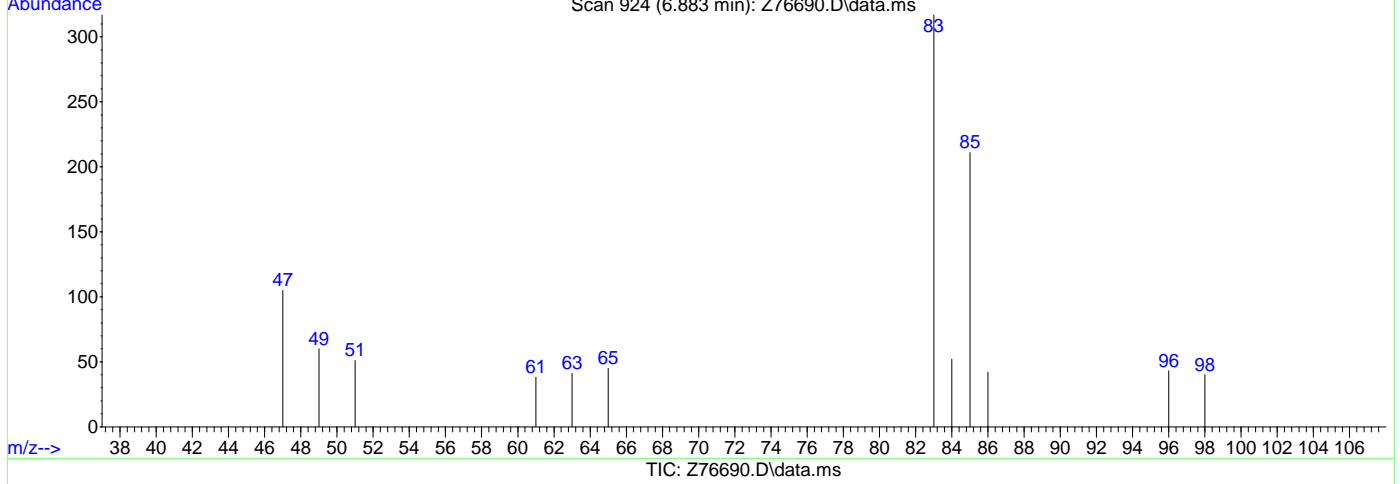
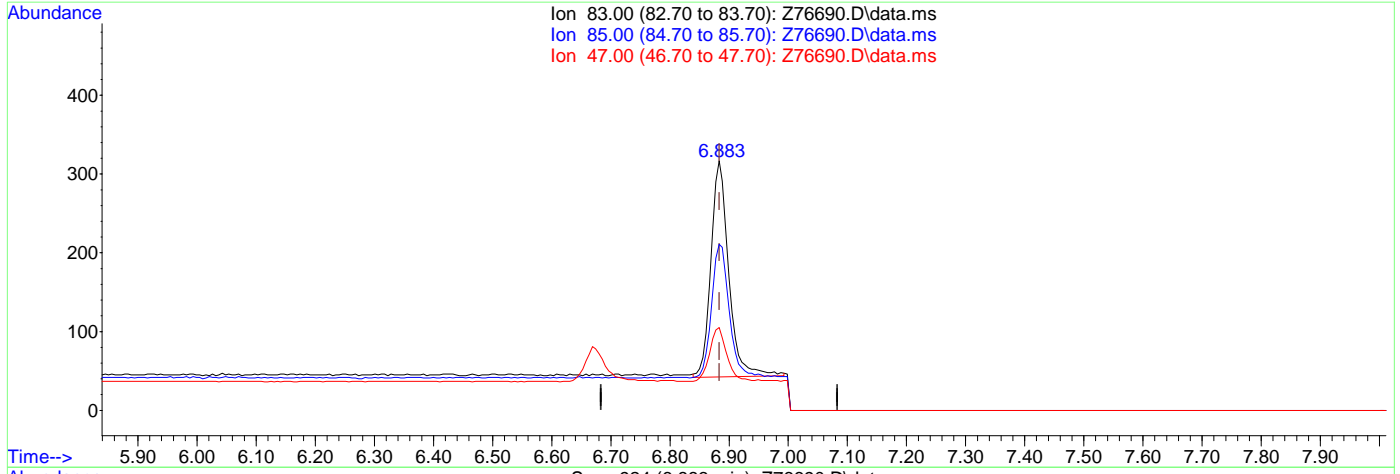
7.1.18.2
7

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\083024\
Data File : Z76690.D
Acq On : 30 Aug 2024 4:15 pm
Operator : claudias
Sample : FC18326-18
Misc : MS57393,VZ3087,,,,,
ALS Vial : 23 Sample Multiplier: 1

Inst : MSVOA15-Z

Quant Time: Sep 03 06:23:05 2024
Quant Method : C:\msdchem\1\methods\SIMCL-08-28-2024.M
Quant Title : Standard Methods 6200B
QLast Update : Wed Aug 28 11:30:23 2024
Response via : Initial Calibration



(9) Chloroform

6.883min (+0.000) 0.16ug/L m

response 574

Ion	Exp%	Act%
83.00	100	100
85.00	65.90	66.56
47.00	21.00	33.12
0.00	0.00	0.00



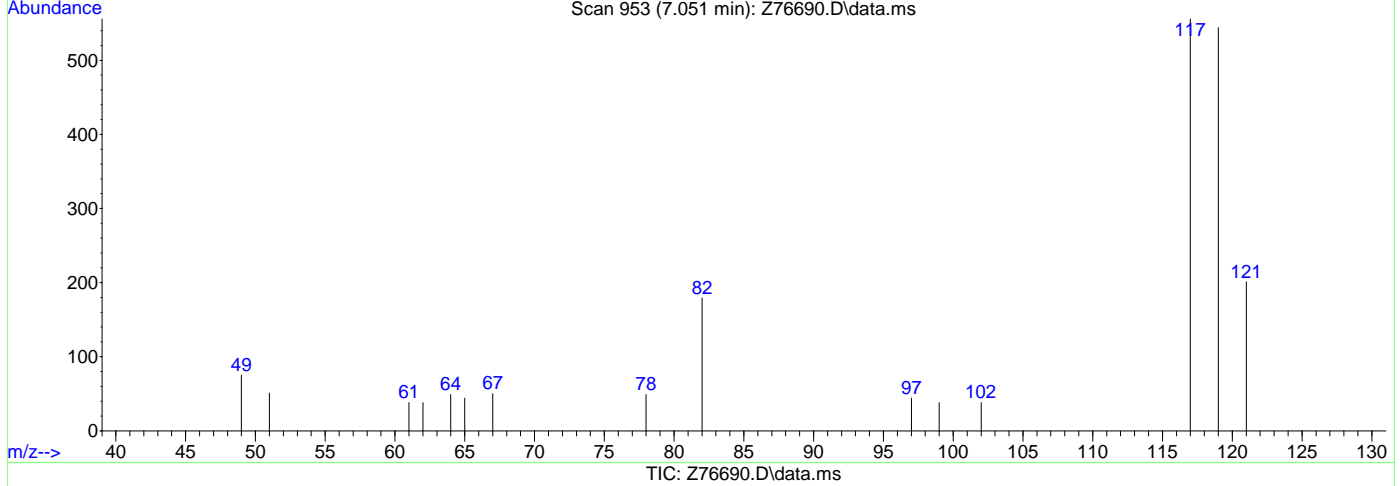
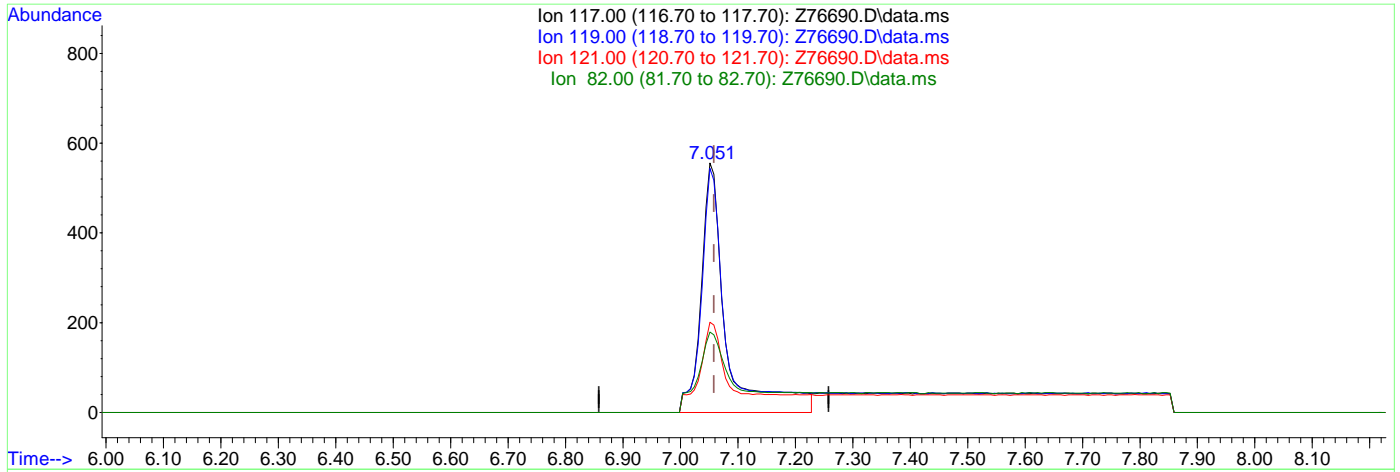
7.1.18.3
7

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\083024\
Data File : Z76690.D
Acq On : 30 Aug 2024 4:15 pm
Operator : claudias
Sample : FC18326-18
Misc : MS57393,VZ3087,,,,,
ALS Vial : 23 Sample Multiplier: 1

Inst : MSVOA15-Z

Quant Time: Sep 03 06:23:05 2024
Quant Method : C:\msdchem\1\methods\SIMCL-08-28-2024.M
Quant Title : Standard Methods 6200B
QLast Update : Wed Aug 28 11:30:23 2024
Response via : Initial Calibration



(10) Carbon Tetrachloride ()

7.051min (-0.007) 0.63ug/L

response 1673

Ion	Exp%	Act%
117.00	100	100
119.00	96.20	97.84
121.00	31.20	36.15
82.00	20.80	32.19

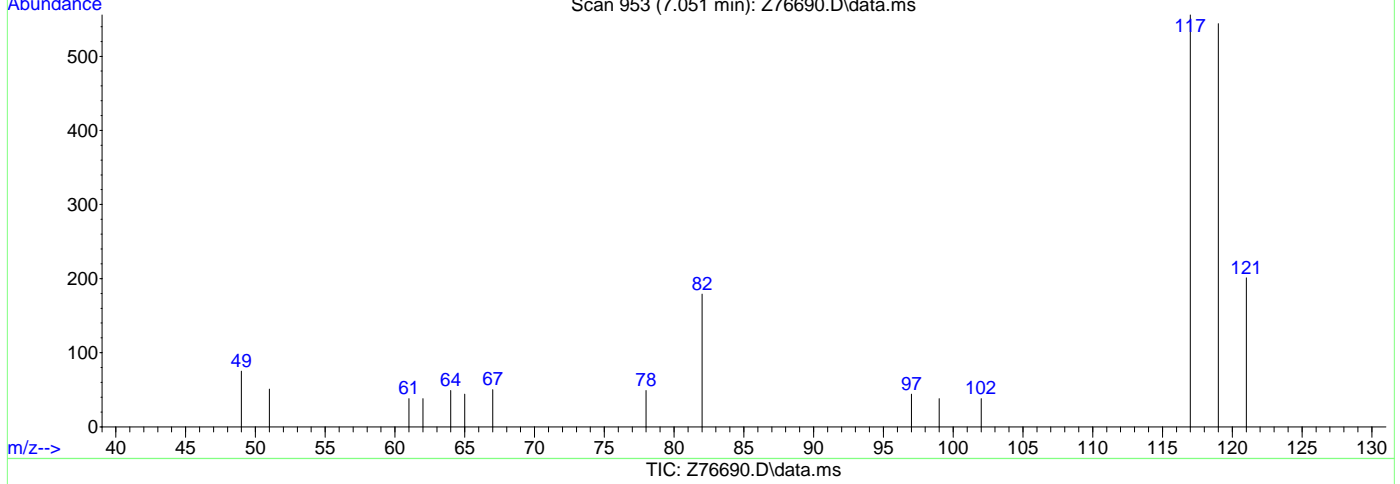
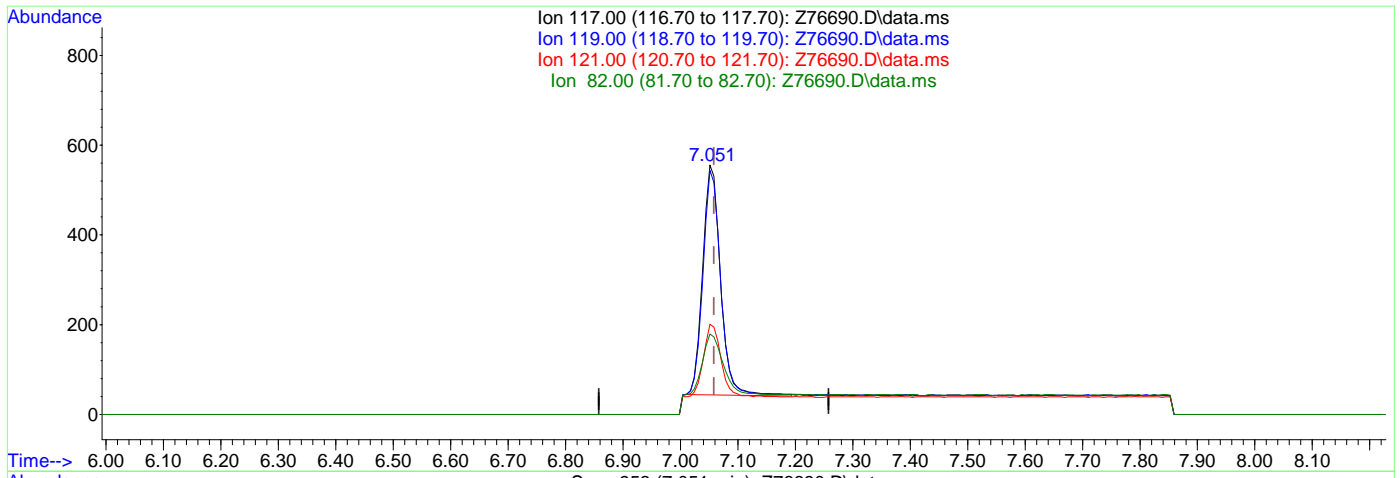


Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\083024\
Data File : Z76690.D
Acq On : 30 Aug 2024 4:15 pm
Operator : claudias
Sample : FC18326-18
Misc : MS57393,VZ3087,,,,,
ALS Vial : 23 Sample Multiplier: 1

Inst : MSVOA15-Z

Quant Time: Sep 03 06:23:05 2024
Quant Method : C:\msdchem\1\methods\SIMCL-08-28-2024.M
Quant Title : Standard Methods 6200B
QLast Update : Wed Aug 28 11:30:23 2024
Response via : Initial Calibration



(10) Carbon Tetrachloride ()

7.051min (-0.007) 0.42ug/L m

response 1101

Ion	Exp%	Act%
117.00	100	100
119.00	96.20	97.84
121.00	31.20	36.15
82.00	20.80	32.19



7.1.18.5
7

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\083024\
Data File : Z76691.D
Acq On : 30 Aug 2024 4:38 pm
Operator : claudias
Sample : FC18326-19 Inst : MSVOA15-Z
Misc : MS57393,VZ3087,,,,,
ALS Vial : 24 Sample Multiplier: 1

Quant Time: Sep 03 07:36:28 2024
Quant Method : C:\msdchem\1\methods\SIMCL-08-28-2024.M
Quant Title : Standard Methods 6200B
QLast Update : Wed Aug 28 11:30:23 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Fluorobenzene	7.895	96	19831	5.00	ug/L	0.00
18) Chlorobenzene-d5	10.981	117	22955	5.00	ug/L	0.00
System Monitoring Compounds						
13) 1,2-Dichloroethane-d4	7.628	65	6759	5.63	ug/L	0.00
Spiked Amount	5.000	Range	74 - 125	Recovery	=	112.60%
19) Toluene-d8	9.429	98	24525	4.79	ug/L	0.00
Spiked Amount	5.000	Range	88 - 111	Recovery	=	95.80%
Target Compounds						
5) Methylene Chloride	5.213	49	304	0.10	ug/L	95
9) Chloroform	6.883	83	6670	1.92	ug/L	97

(#) = qualifier out of range (m) = manual integration (+) = signals summed

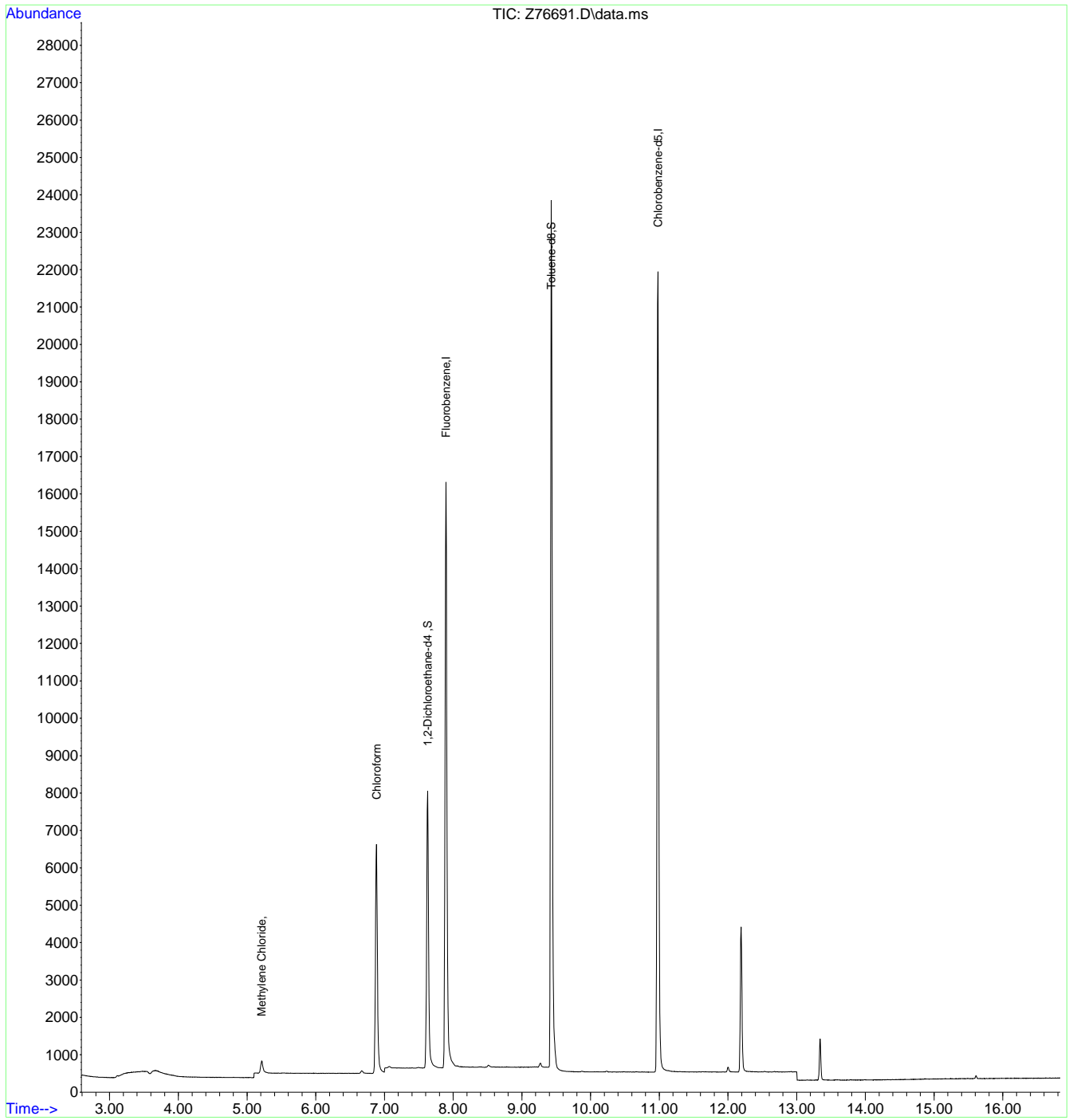
7.1.19
7

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\083024\
Data File : Z76691.D
Acq On : 30 Aug 2024 4:38 pm
Operator : claudias
Sample : FC18326-19
Misc : MS57393,VZ3087,,,,,
ALS Vial : 24 Sample Multiplier: 1

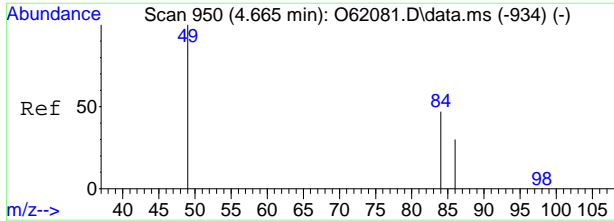
Inst : MSVOA15-Z

Quant Time: Sep 03 07:36:28 2024
Quant Method : C:\msdchem\1\methods\SIMCL-08-28-2024.M
Quant Title : Standard Methods 6200B
QLast Update : Wed Aug 28 11:30:23 2024
Response via : Initial Calibration



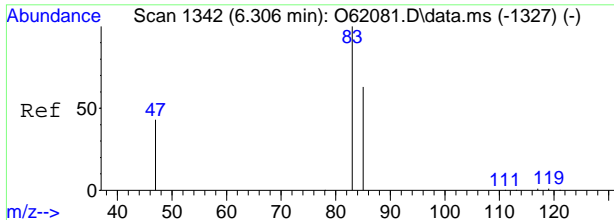
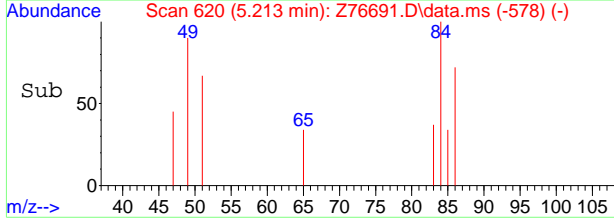
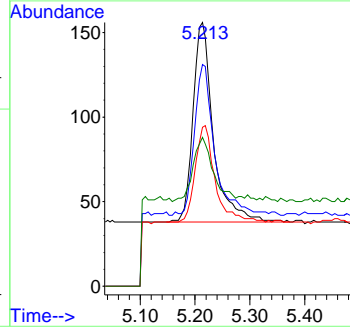
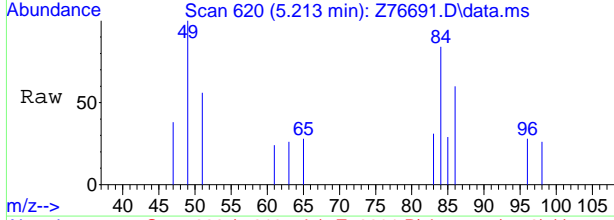
7.1.19
7





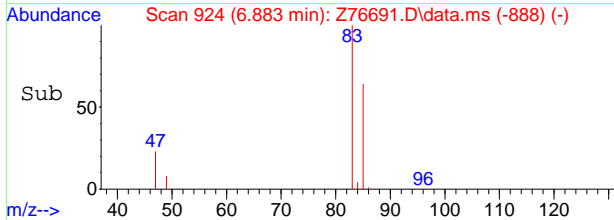
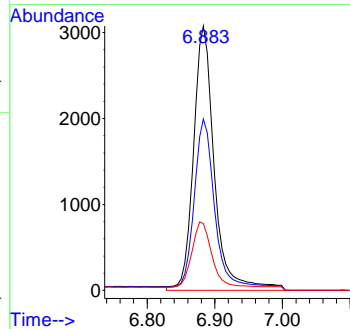
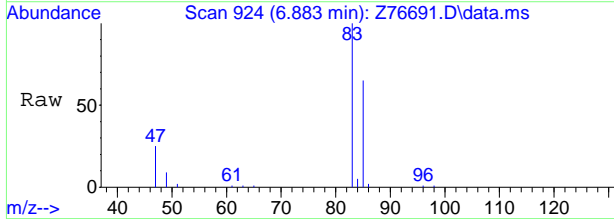
#5
 Methylene Chloride
 Concen: 0.10 ug/L
 RT: 5.213 min Scan# 620
 Delta R.T. 0.000 min
 Lab File: Z76691.D
 Acq: 30 Aug 2024 4:38 pm

Tgt Ion	Ratio	Lower	Upper
49	100		
84	74.6	49.7	109.7
86	47.5	22.0	82.0
51	31.4	1.1	61.1



#9
 Chloroform
 Concen: 1.92 ug/L
 RT: 6.883 min Scan# 924
 Delta R.T. 0.000 min
 Lab File: Z76691.D
 Acq: 30 Aug 2024 4:38 pm

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.8	35.9	95.9
47	25.3	0.0	51.0



7.1.19
7



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\083024\
Data File : Z76692.D
Acq On : 30 Aug 2024 5:01 pm
Operator : claudias
Sample : FC18326-20 Inst : MSVOA15-Z
Misc : MS57393,VZ3087,,,,,
ALS Vial : 25 Sample Multiplier: 1

Quant Time: Sep 03 07:17:34 2024
Quant Method : C:\msdchem\1\methods\SIMCL-08-28-2024.M
Quant Title : Standard Methods 6200B
QLast Update : Wed Aug 28 11:30:23 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	Qvalue

Internal Standards							
1) Fluorobenzene	7.894	96	19812	5.00	ug/L	0.00	
18) Chlorobenzene-d5	10.980	117	22718	5.00	ug/L	0.00	
System Monitoring Compounds							
13) 1,2-Dichloroethane-d4	7.628	65	6700	5.58	ug/L	0.00	
Spiked Amount	5.000	Range	74 - 125	Recovery	=	111.60%	
19) Toluene-d8	9.428	98	24335	4.80	ug/L	0.00	
Spiked Amount	5.000	Range	88 - 111	Recovery	=	96.00%	
Target Compounds							
5) Methylene Chloride	5.213	49	306	0.10	ug/L	97	
9) Chloroform	6.883	83	3805	1.09	ug/L	97	
10) Carbon Tetrachloride	7.051	117	1006m	0.38	ug/L		
15) Trichloroethene	8.060	95	110	0.07	ug/L	90	

(#) = qualifier out of range (m) = manual integration (+) = signals summed

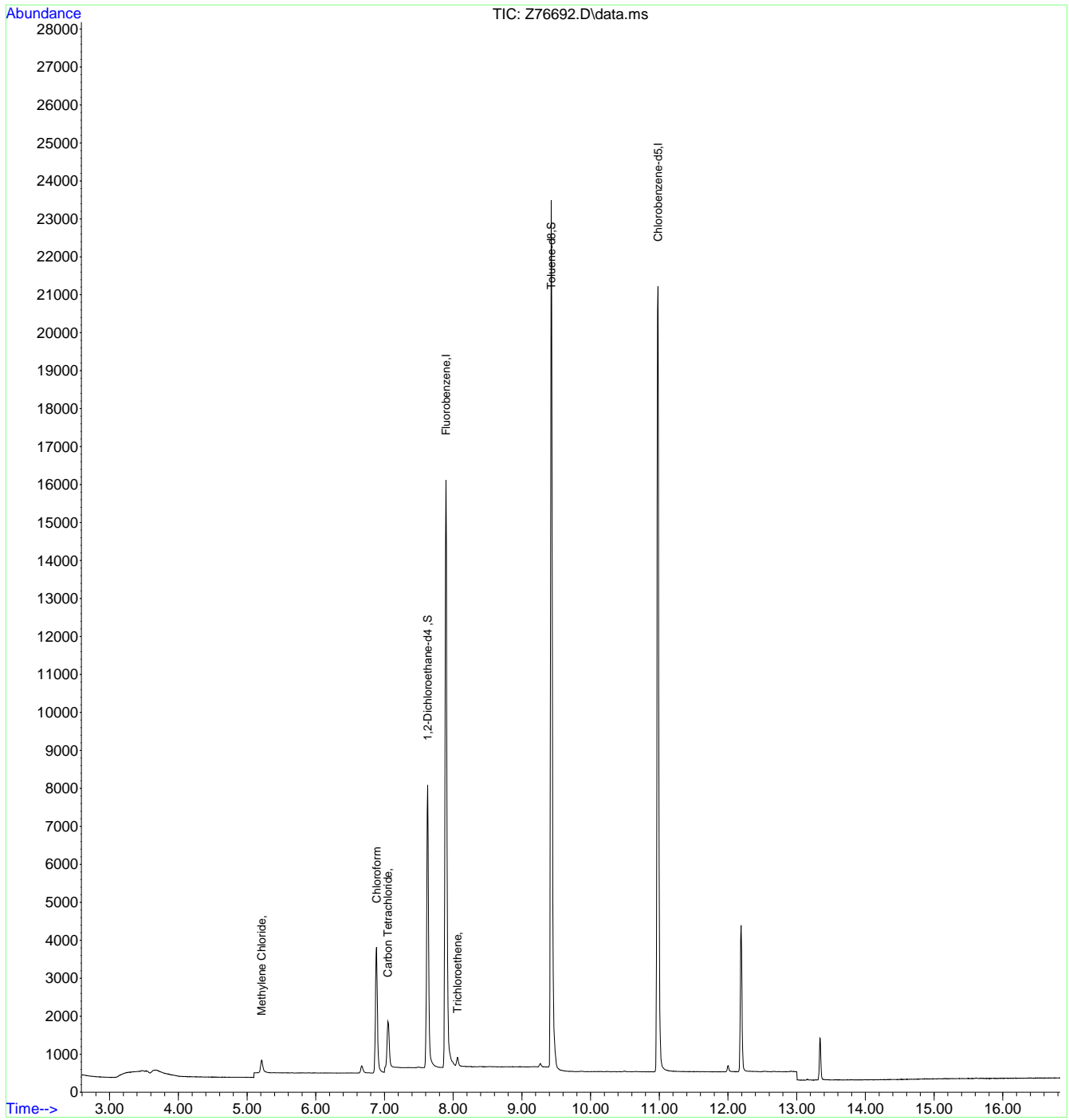
7.1.20
7

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\083024\
Data File : Z76692.D
Acq On : 30 Aug 2024 5:01 pm
Operator : claudias
Sample : FC18326-20
Misc : MS57393,VZ3087,,,,,
ALS Vial : 25 Sample Multiplier: 1

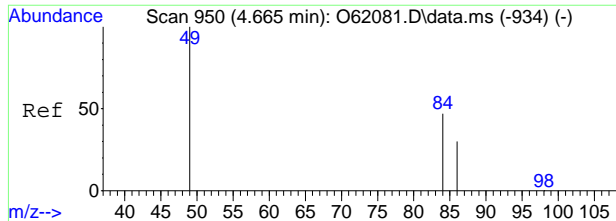
Inst : MSVOA15-Z

Quant Time: Sep 03 07:17:34 2024
Quant Method : C:\msdchem\1\methods\SIMCL-08-28-2024.M
Quant Title : Standard Methods 6200B
QLast Update : Wed Aug 28 11:30:23 2024
Response via : Initial Calibration



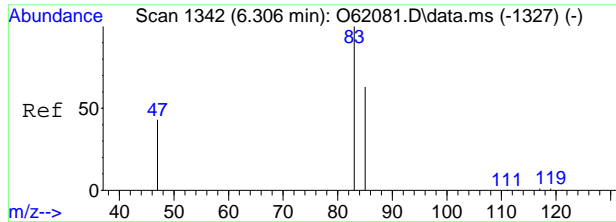
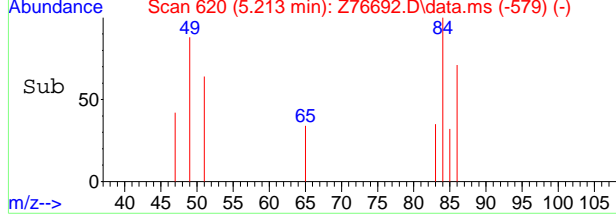
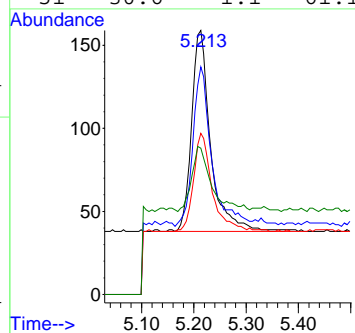
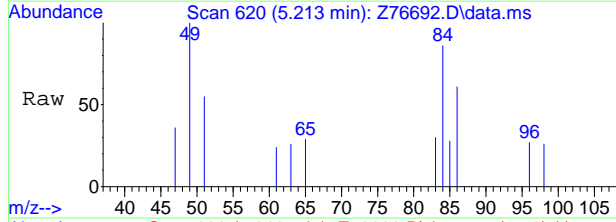
7.1.20
7





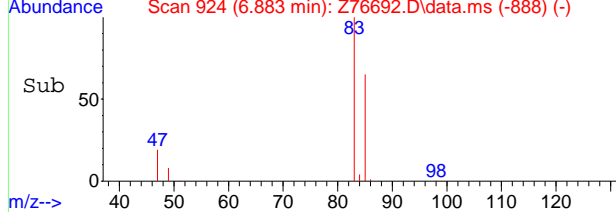
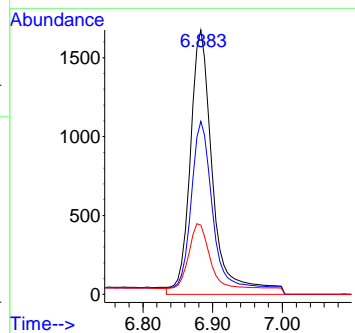
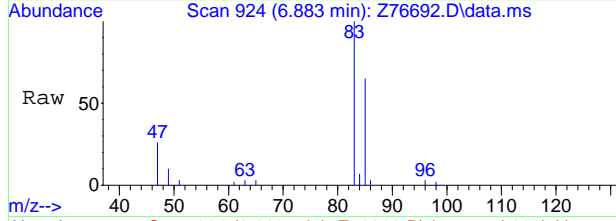
#5
 Methylene Chloride
 Concen: 0.10 ug/L
 RT: 5.213 min Scan# 620
 Delta R.T. 0.000 min
 Lab File: Z76692.D
 Acq: 30 Aug 2024 5:01 pm

Tgt Ion	Ratio	Lower	Upper
49	100		
84	77.7	49.7	109.7
86	48.8	22.0	82.0
51	30.6	1.1	61.1



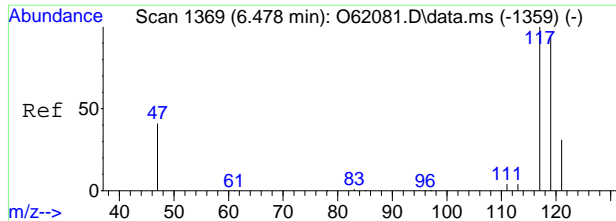
#9
 Chloroform
 Concen: 1.09 ug/L
 RT: 6.883 min Scan# 924
 Delta R.T. -0.000 min
 Lab File: Z76692.D
 Acq: 30 Aug 2024 5:01 pm

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.5	35.9	95.9
47	26.2	0.0	51.0



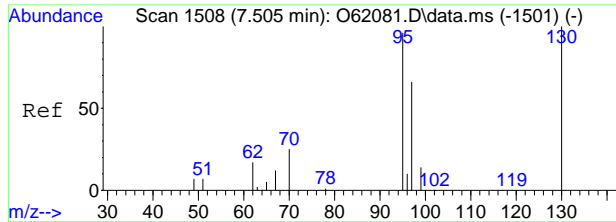
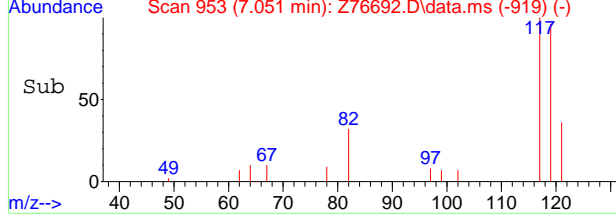
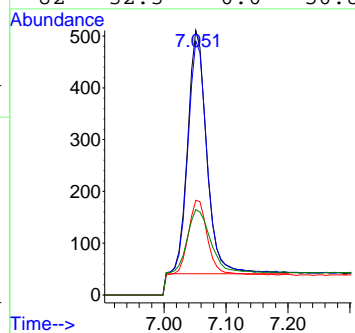
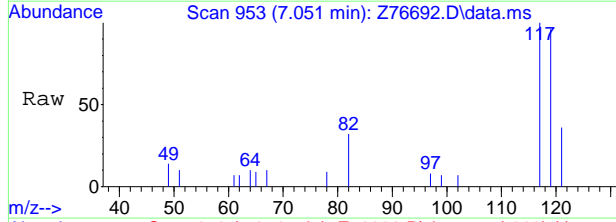
7.1.20
7





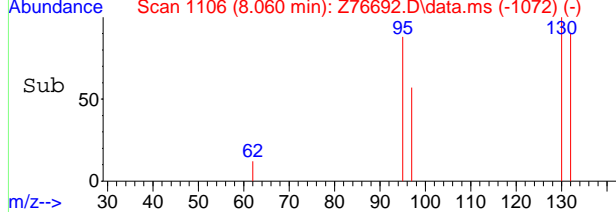
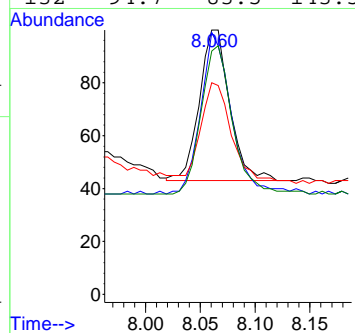
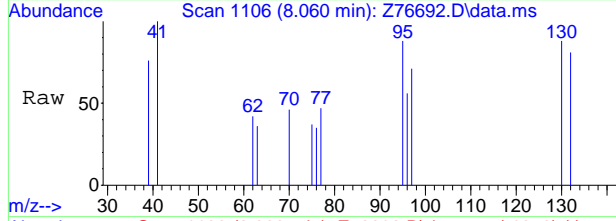
#10
Carbon Tetrachloride
Concen: 0.38 ug/L m
RT: 7.051 min Scan# 953
Delta R.T. -0.007 min
Lab File: Z76692.D
Acq: 30 Aug 2024 5:01 pm

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.9	66.2	126.2
121	35.8	1.2	61.2
82	32.3	0.0	50.8



#15
Trichloroethene
Concen: 0.07 ug/L
RT: 8.060 min Scan# 1106
Delta R.T. -0.001 min
Lab File: Z76692.D
Acq: 30 Aug 2024 5:01 pm

Tgt Ion	Ratio	Lower	Upper
95	100		
130	107.0	84.5	144.5
97	64.9	36.4	96.4
132	94.7	83.5	143.5



Manual Integration Approval Summary

Sample Number: FC18326-20

Method: SW846 8260D BY SIM

Lab FileID: Z76692.D

Analyst approved: 09/03/24 08:25 Claudia Sosa

Injection Time: 08/30/24 17:01

Supervisor approved: 09/03/24 11:12 Karen Watson

Parameter	CAS	Sig#	R.T. (min.)	Reason
Carbon Tetrachloride	56-23-5		7.05	Poor instrument integration

7.1.20.1

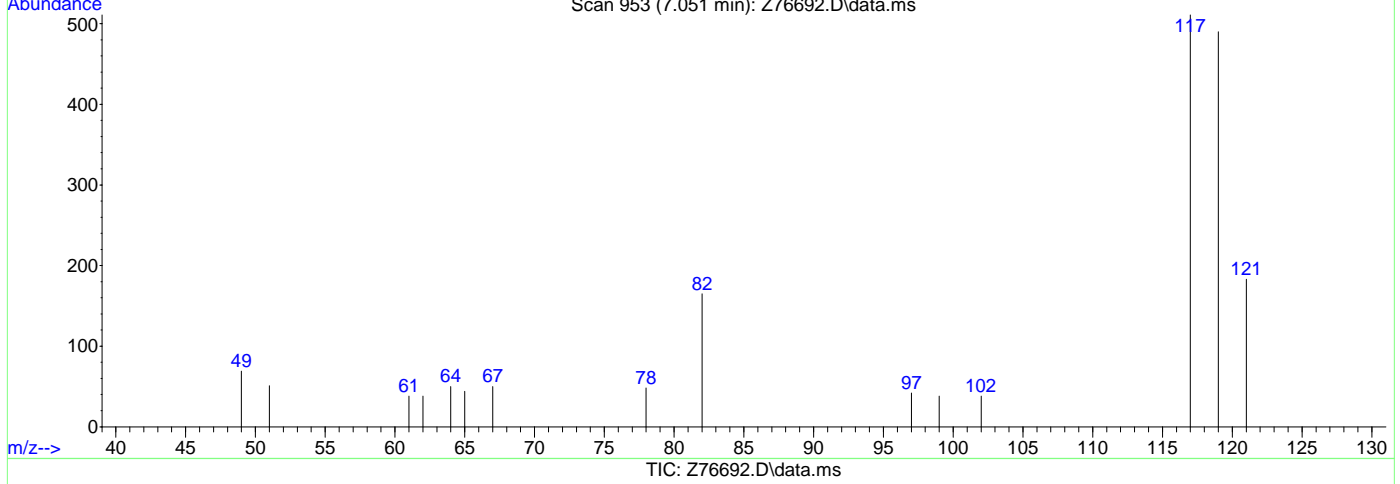
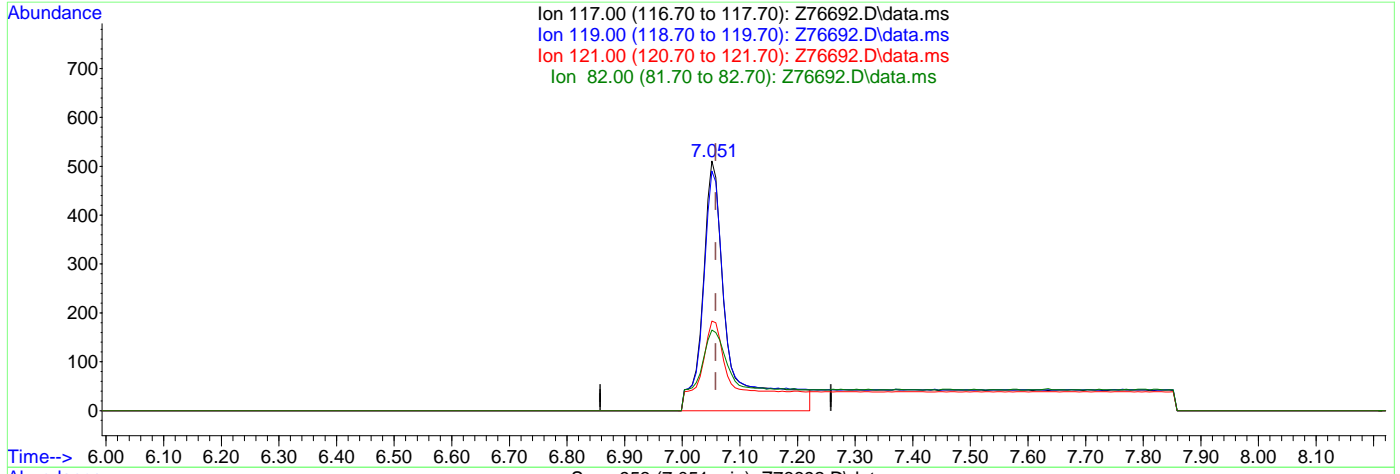
7

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\083024\
Data File : Z76692.D
Acq On : 30 Aug 2024 5:01 pm
Operator : claudias
Sample : FC18326-20
Misc : MS57393,VZ3087,,,,,
ALS Vial : 25 Sample Multiplier: 1

Inst : MSVOA15-Z

Quant Time: Sep 03 06:23:09 2024
Quant Method : C:\msdchem\1\methods\SIMCL-08-28-2024.M
Quant Title : Standard Methods 6200B
QLast Update : Wed Aug 28 11:30:23 2024
Response via : Initial Calibration



(10) Carbon Tetrachloride ()

7.051min (-0.007) 0.59ug/L

response 1543

Ion	Exp%	Act%
117.00	100	100
119.00	96.20	95.89
121.00	31.20	35.81
82.00	20.80	32.29



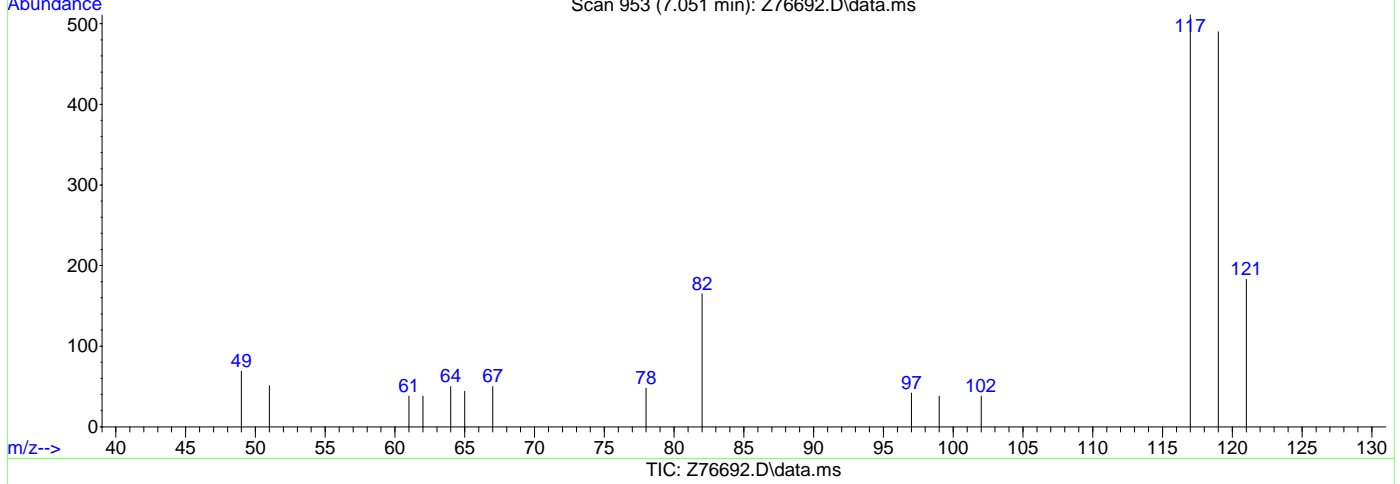
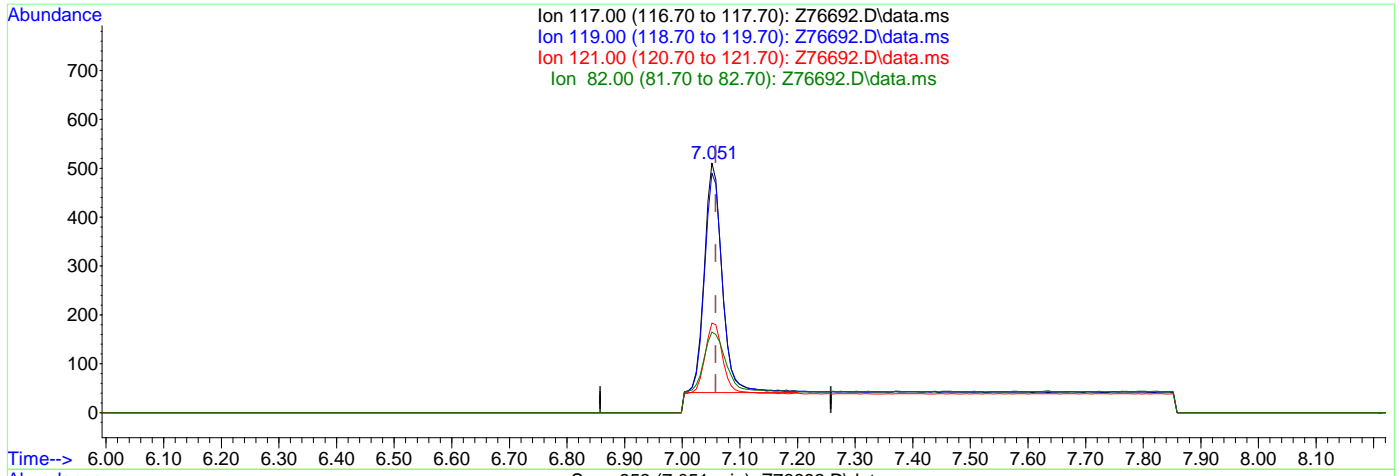
7.1.20.2
7

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\083024\
Data File : Z76692.D
Acq On : 30 Aug 2024 5:01 pm
Operator : claudias
Sample : FC18326-20
Misc : MS57393,VZ3087,,,,,
ALS Vial : 25 Sample Multiplier: 1

Inst : MSVOA15-Z

Quant Time: Sep 03 06:23:09 2024
Quant Method : C:\msdchem\1\methods\SIMCL-08-28-2024.M
Quant Title : Standard Methods 6200B
QLast Update : Wed Aug 28 11:30:23 2024
Response via : Initial Calibration



(10) Carbon Tetrachloride ()

7.051min (-0.007) 0.38ug/L m

response 1006

Ion	Exp%	Act%
117.00	100	100
119.00	96.20	95.89
121.00	31.20	35.81
82.00	20.80	32.29

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\090324\
 Data File : Z76719.D
 Acq On : 3 Sep 2024 4:41 pm
 Operator : claudias
 Sample : FC18326-21 Inst : MSVOA15-Z
 Misc : MS57405,VZ3088,,,,,
 ALS Vial : 24 Sample Multiplier: 1

Quant Time: Sep 04 07:48:10 2024
 Quant Method : C:\msdchem\1\methods\SIMCL-08-28-2024.M
 Quant Title : Standard Methods 6200B
 QLast Update : Wed Aug 28 11:30:23 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	Qvalue

Internal Standards							
1) Fluorobenzene	7.895	96	18499	5.00	ug/L	0.00	
18) Chlorobenzene-d5	10.980	117	22230	5.00	ug/L	0.00	
System Monitoring Compounds							
13) 1,2-Dichloroethane-d4	7.621	65	6514	5.81	ug/L	0.00	
Spiked Amount	5.000	Range 74 - 125	Recovery	=	116.20%		
19) Toluene-d8	9.428	98	23355	4.71	ug/L	0.00	
Spiked Amount	5.000	Range 88 - 111	Recovery	=	94.20%		
Target Compounds							
3) Chloromethane	3.108	50	292	0.13	ug/L	79	
5) Methylene Chloride	5.208	49	238	0.08	ug/L	88	
9) Chloroform	6.883	83	1783m	0.54	ug/L		
10) Carbon Tetrachloride	7.051	117	957m	0.39	ug/L		

(#) = qualifier out of range (m) = manual integration (+) = signals summed

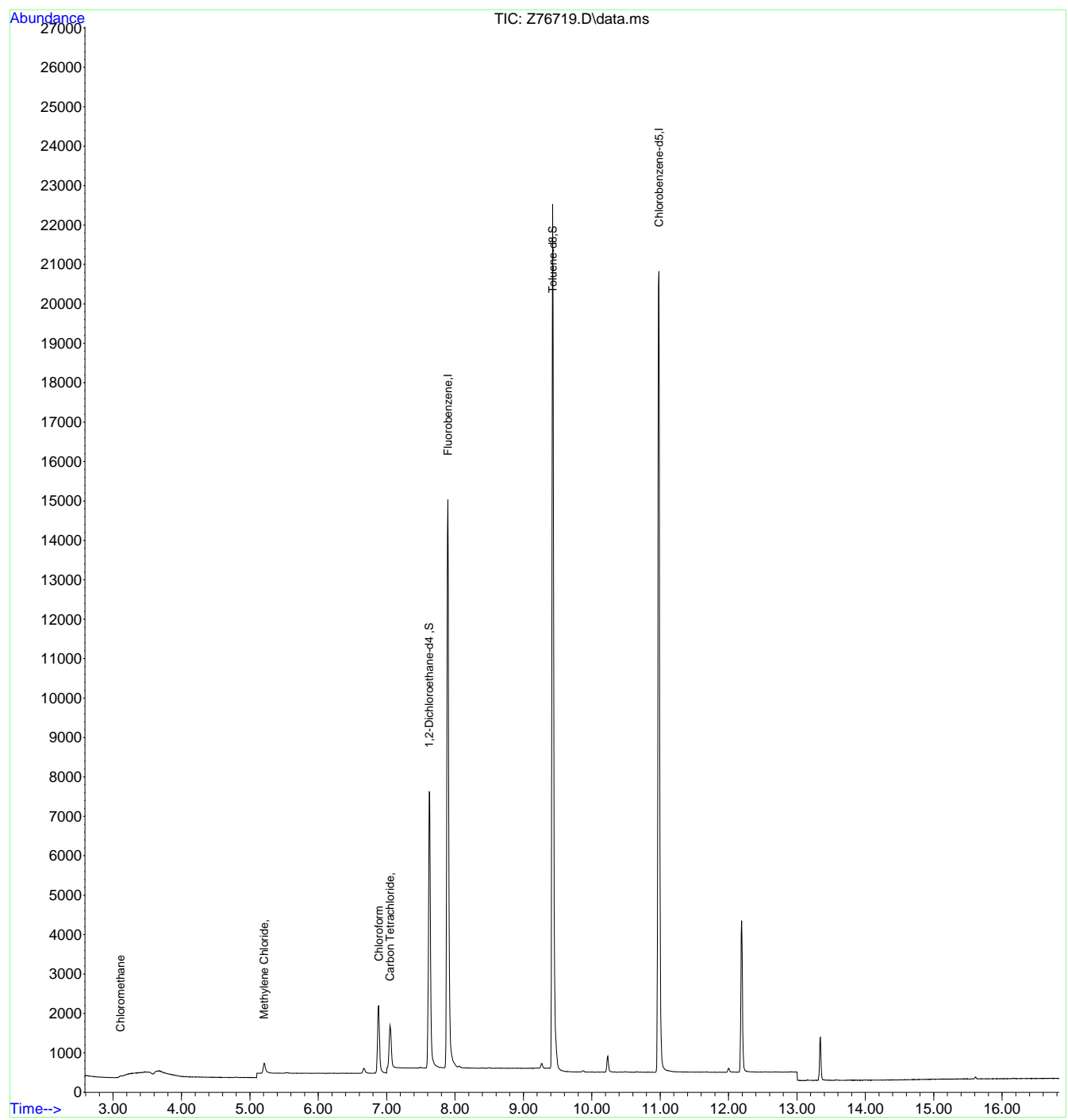
7.1.21
7



Quantitation Report (QT Reviewed)

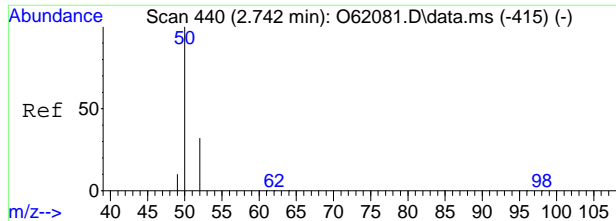
Data Path : C:\msdchem\1\data\090324\
Data File : Z76719.D
Acq On : 3 Sep 2024 4:41 pm
Operator : claudias
Sample : FC18326-21 Inst : MSVOA15-Z
Misc : MS57405,VZ3088,,,,,
ALS Vial : 24 Sample Multiplier: 1

Quant Time: Sep 04 07:48:10 2024
Quant Method : C:\msdchem\1\methods\SIMCL-08-28-2024.M
Quant Title : Standard Methods 6200B
QLast Update : Wed Aug 28 11:30:23 2024
Response via : Initial Calibration

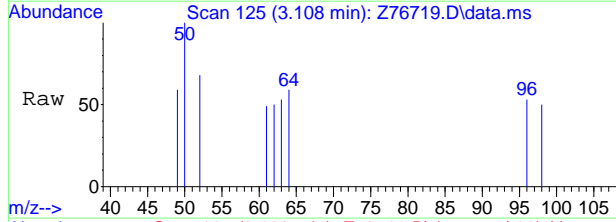


7.1.21
7



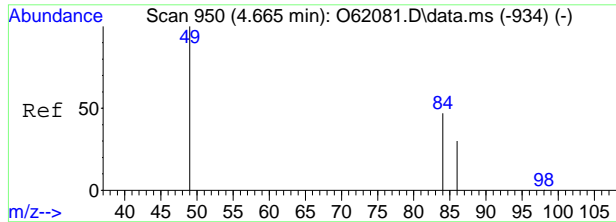
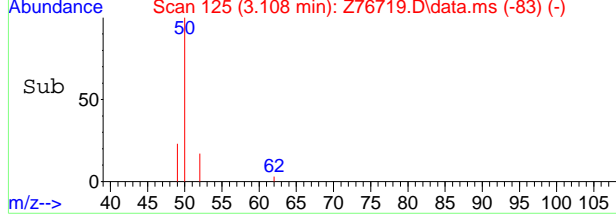
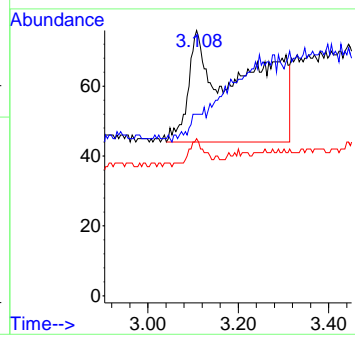


#3
Chloromethane
Concen: 0.13 ug/L
RT: 3.108 min Scan# 125
Delta R.T. -0.025 min
Lab File: Z76719.D
Acq: 3 Sep 2024 4:41 pm

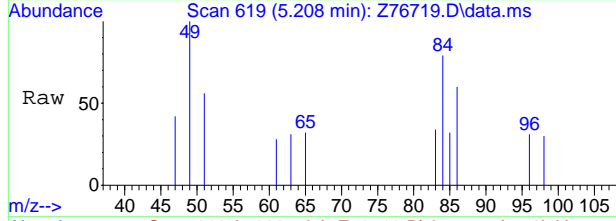


Tgt Ion: 50 Resp: 292

Ion	Ratio	Lower	Upper
50	100		
52	21.9	2.1	62.1
49	21.9	0.0	41.2

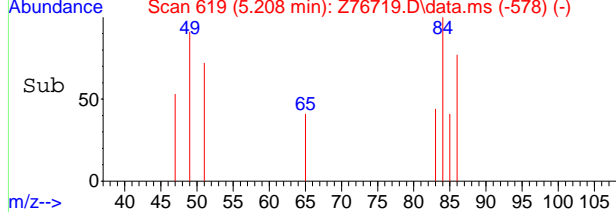
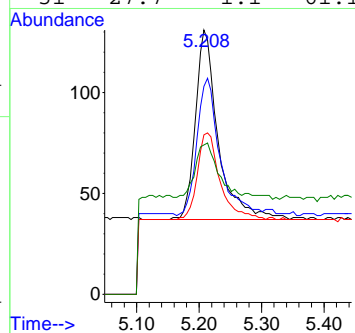


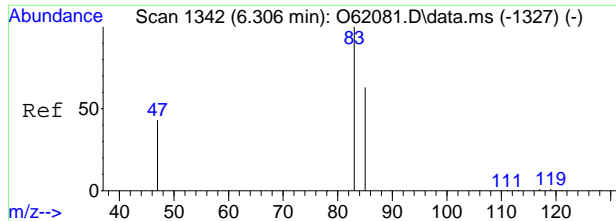
#5
Methylene Chloride
Concen: 0.08 ug/L
RT: 5.208 min Scan# 619
Delta R.T. -0.005 min
Lab File: Z76719.D
Acq: 3 Sep 2024 4:41 pm



Tgt Ion: 49 Resp: 238

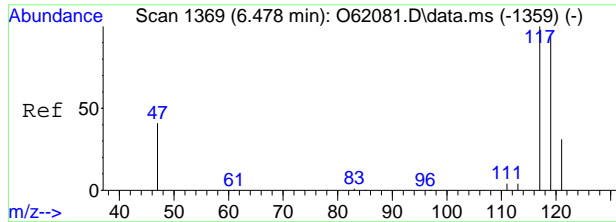
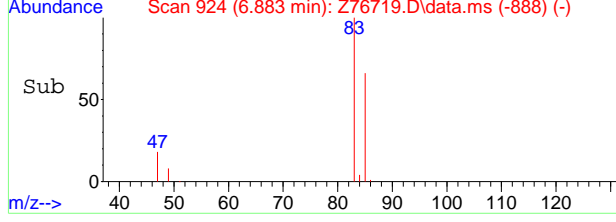
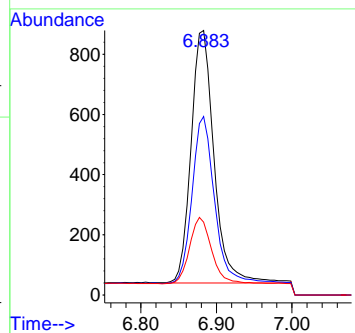
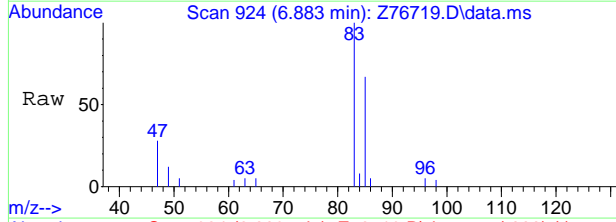
Ion	Ratio	Lower	Upper
49	100		
84	67.0	49.7	109.7
86	44.7	22.0	82.0
51	27.7	1.1	61.1





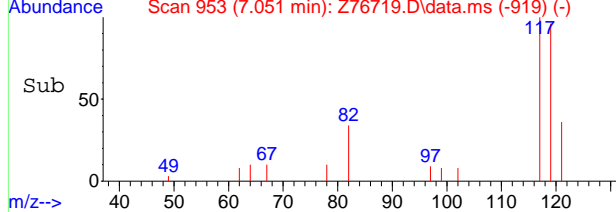
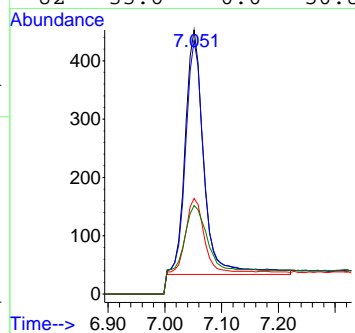
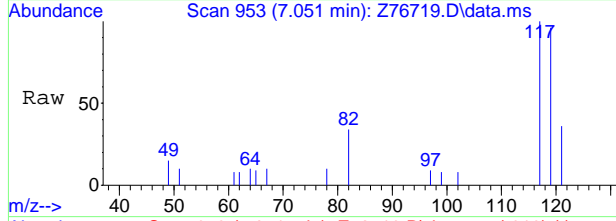
#9
 Chloroform
 Concen: 0.54 ug/L m
 RT: 6.883 min Scan# 924
 Delta R.T. 0.000 min
 Lab File: Z76719.D
 Acq: 3 Sep 2024 4:41 pm

Tgt Ion	Resp	Lower	Upper
83	1783		
85	67.4	35.9	95.9
47	27.5	0.0	51.0



#10
 Carbon Tetrachloride
 Concen: 0.39 ug/L m
 RT: 7.051 min Scan# 953
 Delta R.T. -0.007 min
 Lab File: Z76719.D
 Acq: 3 Sep 2024 4:41 pm

Tgt Ion	Resp	Lower	Upper
117	957		
117	100		
119	96.0	66.2	126.2
121	36.2	1.2	61.2
82	33.6	0.0	50.8



7.1.21
7



Manual Integration Approval Summary

Sample Number: FC18326-21 **Method:** SW846 8260D BY SIM
Lab FileID: Z76719.D **Analyst approved:** 09/04/24 07:58 Claudia Sosa
Injection Time: 09/03/24 16:41 **Supervisor approved:** 09/04/24 09:30 Karen Watson

Parameter	CAS	Sig#	R.T. (min.)	Reason
Chloroform	67-66-3		6.88	Poor instrument integration
Carbon Tetrachloride	56-23-5		7.05	Poor instrument integration

7.1.21.1

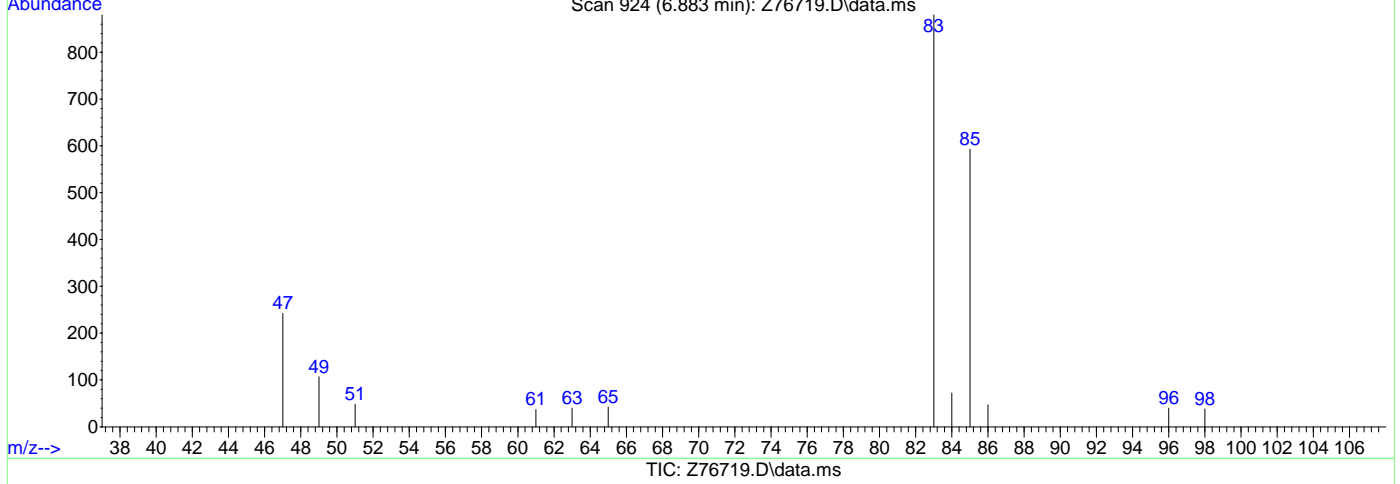
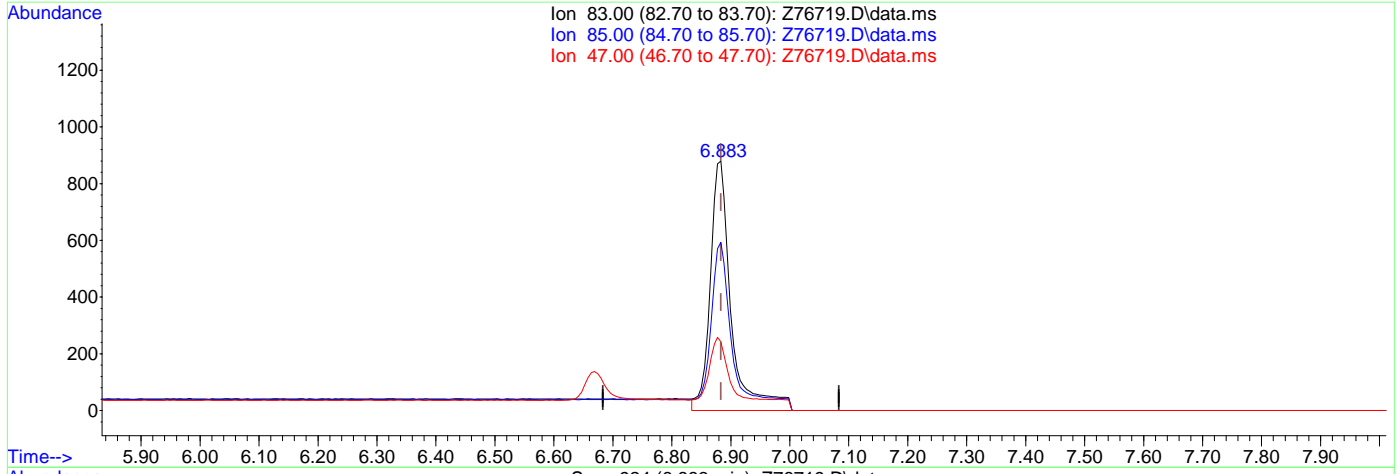
7

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\090324\
Data File : Z76719.D
Acq On : 3 Sep 2024 4:41 pm
Operator : claudias
Sample : FC18326-21
Misc : MS57405,VZ3088,,,,,
ALS Vial : 24 Sample Multiplier: 1

Inst : MSVOA15-Z

Quant Time: Sep 04 06:38:06 2024
Quant Method : C:\msdchem\1\methods\SIMCL-08-28-2024.M
Quant Title : Standard Methods 6200B
QLast Update : Wed Aug 28 11:30:23 2024
Response via : Initial Calibration



(9) Chloroform

6.883min (+0.000) 0.67ug/L

response 2194

Ion	Exp%	Act%
83.00	100	100
85.00	65.90	67.39
47.00	21.00	27.50
0.00	0.00	0.00



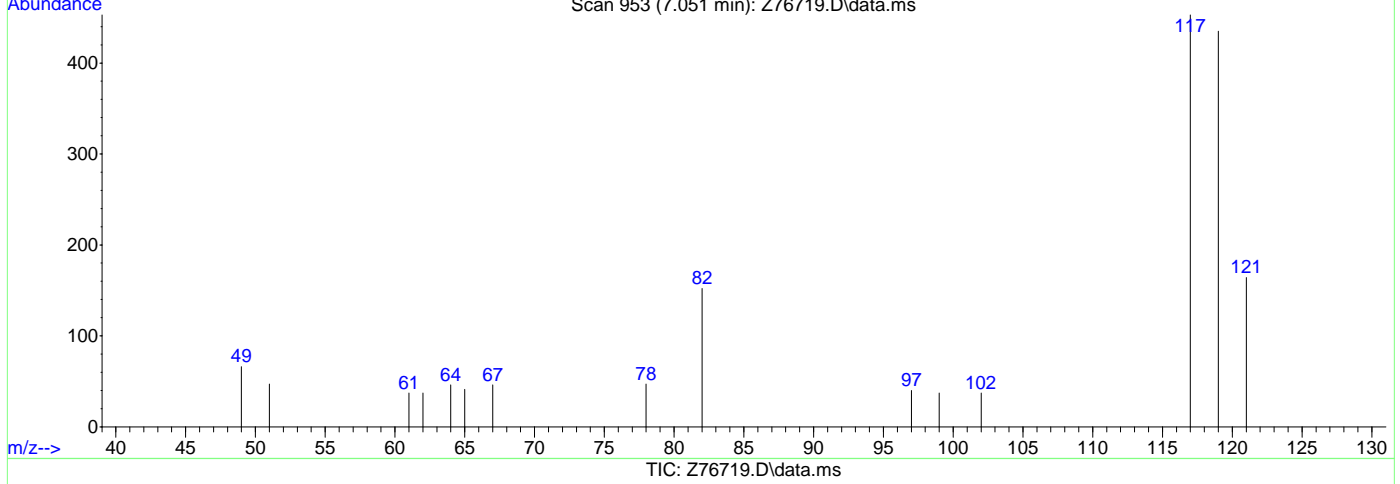
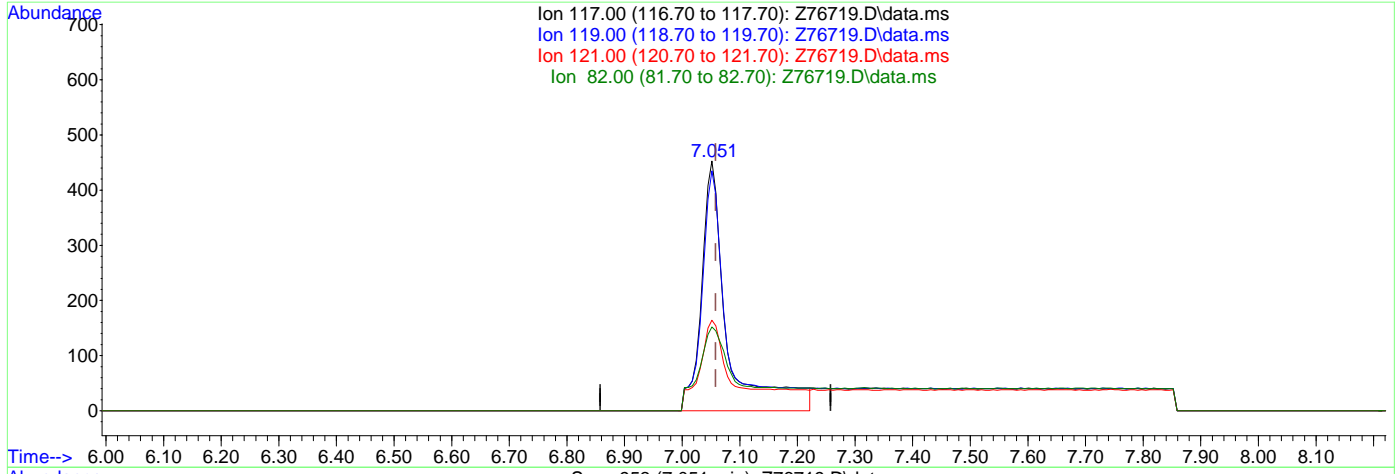
7.1.21.2
7

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\090324\
Data File : Z76719.D
Acq On : 3 Sep 2024 4:41 pm
Operator : claudias
Sample : FC18326-21
Misc : MS57405,VZ3088,,,,,
ALS Vial : 24 Sample Multiplier: 1

Inst : MSVOA15-Z

Quant Time: Sep 04 06:38:06 2024
Quant Method : C:\msdchem\1\methods\SIMCL-08-28-2024.M
Quant Title : Standard Methods 6200B
QLast Update : Wed Aug 28 11:30:23 2024
Response via : Initial Calibration



(10) Carbon Tetrachloride ()

7.051min (-0.007) 0.57ug/L

response 1400

Ion	Exp%	Act%
117.00	100	100
119.00	96.20	96.03
121.00	31.20	36.20
82.00	20.80	33.55



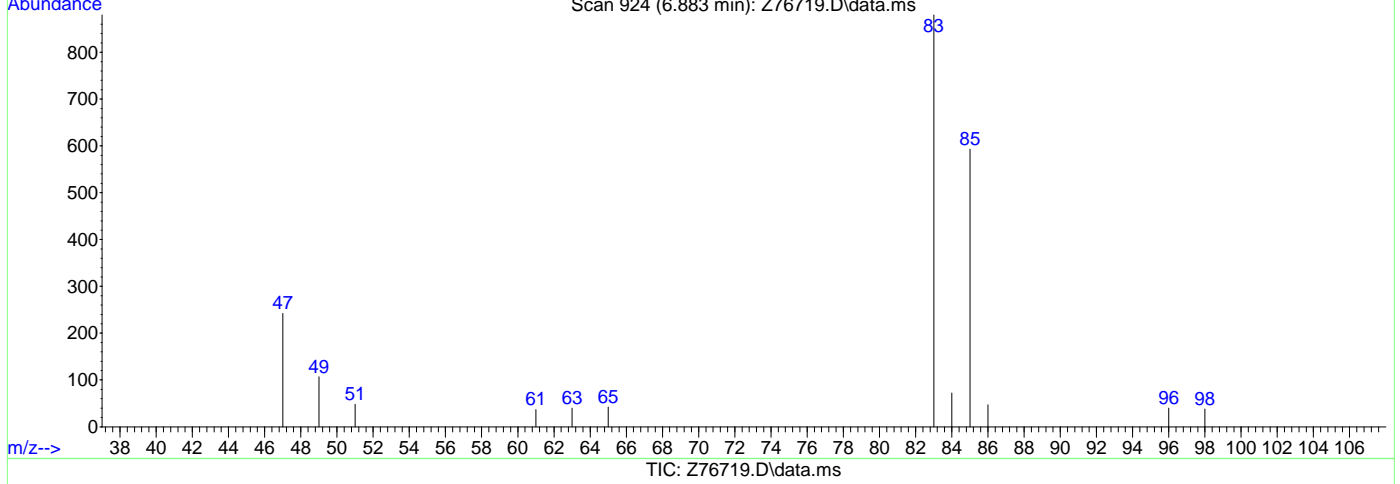
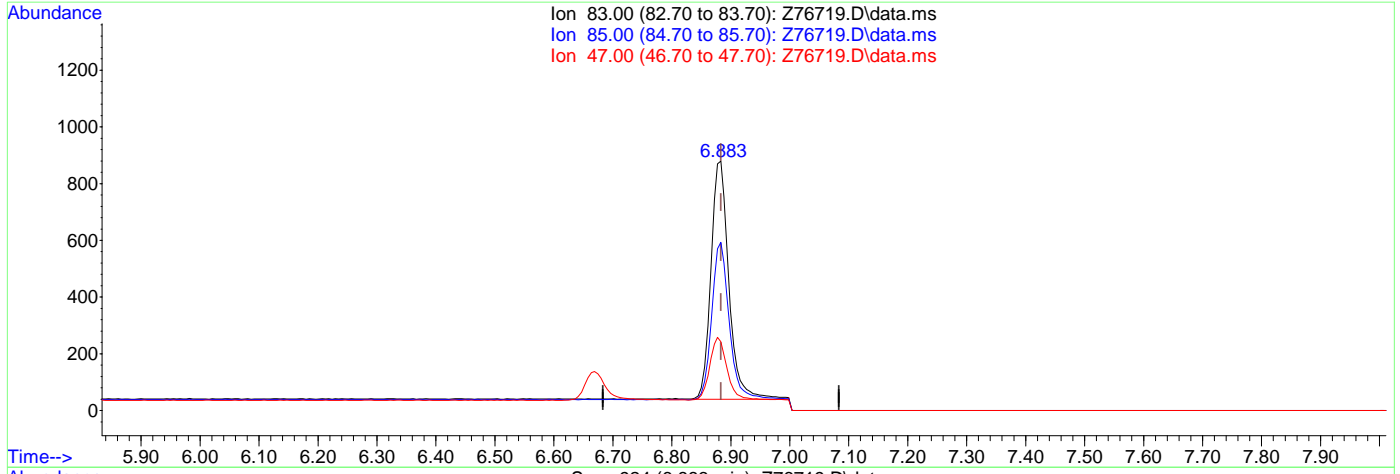
7.1.21.3
7

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\090324\
Data File : Z76719.D
Acq On : 3 Sep 2024 4:41 pm
Operator : claudias
Sample : FC18326-21
Misc : MS57405,VZ3088,,,,,
ALS Vial : 24 Sample Multiplier: 1

Inst : MSVOA15-Z

Quant Time: Sep 04 07:47:39 2024
Quant Method : C:\msdchem\1\methods\SIMCL-08-28-2024.M
Quant Title : Standard Methods 6200B
QLast Update : Wed Aug 28 11:30:23 2024
Response via : Initial Calibration



(9) Chloroform

6.883min (+0.000) 0.54ug/L m

response 1783

Ion	Exp%	Act%
83.00	100	100
85.00	65.90	67.39
47.00	21.00	27.50
0.00	0.00	0.00

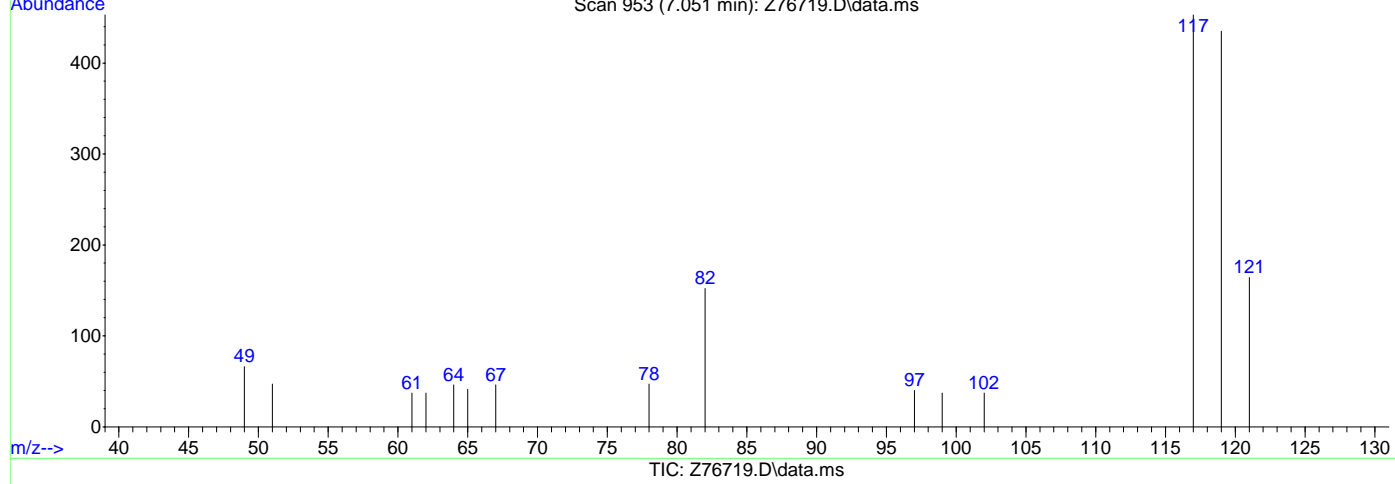
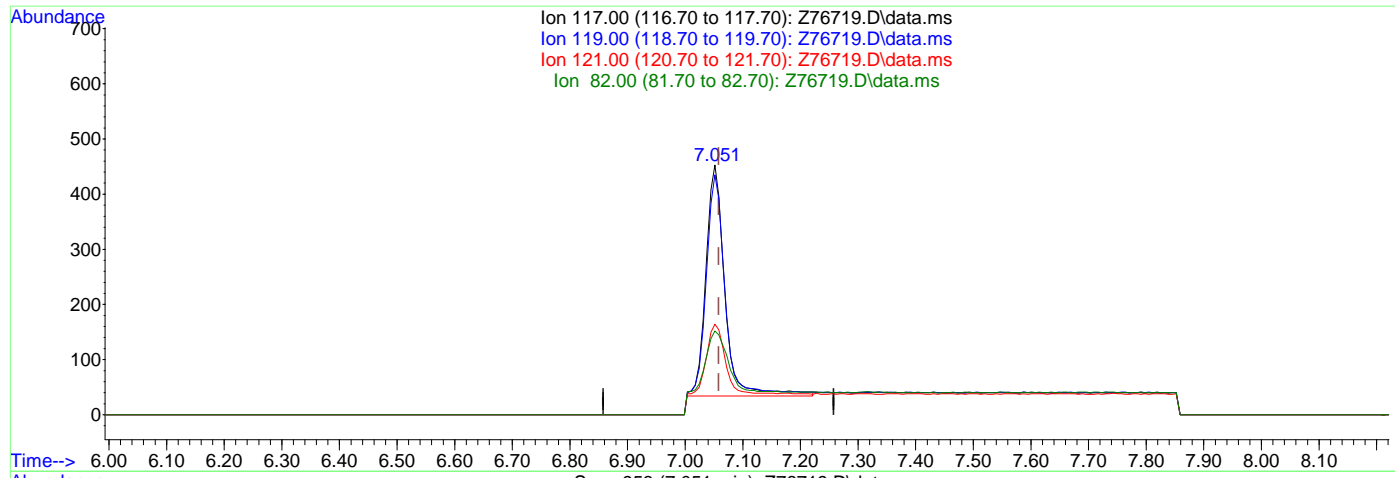


7.1.21.4
7

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\090324\
Data File : Z76719.D
Acq On : 3 Sep 2024 4:41 pm
Operator : claudias
Sample : FC18326-21
Misc : MS57405,VZ3088,,,,,
ALS Vial : 24 Sample Multiplier: 1
Inst : MSVOA15-Z

Quant Time: Sep 04 07:47:39 2024
Quant Method : C:\msdchem\1\methods\SIMCL-08-28-2024.M
Quant Title : Standard Methods 6200B
QLast Update : Wed Aug 28 11:30:23 2024
Response via : Initial Calibration



(10) Carbon Tetrachloride ()

7.051min (-0.007) 0.39ug/L m

response 957

Ion	Exp%	Act%
117.00	100	100
119.00	96.20	96.03
121.00	31.20	36.20
82.00	20.80	33.55



7.1.21.5
7

Manual Integrations
APPROVED
(compounds with "m" flag)
Karen Watson
09/04/24 09:30

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\090324\
Data File : Z76720.D
Acq On : 3 Sep 2024 5:03 pm
Operator : claudias
Sample : FC18326-22 Inst : MSVOA15-Z
Misc : MS57405,VZ3088,,,,,
ALS Vial : 25 Sample Multiplier: 1

Quant Time: Sep 04 07:07:49 2024
Quant Method : C:\msdchem\1\methods\SIMCL-08-28-2024.M
Quant Title : Standard Methods 6200B
QLast Update : Wed Aug 28 11:30:23 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Fluorobenzene	7.895	96	18222	5.00	ug/L	0.00
18) Chlorobenzene-d5	10.981	117	21811	5.00	ug/L	0.00
System Monitoring Compounds						
13) 1,2-Dichloroethane-d4	7.628	65	6494	5.88	ug/L	0.00
Spiked Amount	5.000	Range 74 - 125	Recovery	=	117.60%	
19) Toluene-d8	9.429	98	22949	4.72	ug/L	0.00
Spiked Amount	5.000	Range 88 - 111	Recovery	=	94.40%	
Target Compounds						
5) Methylene Chloride	5.208	49	254	0.09	ug/L	Qvalue 90
9) Chloroform	6.883	83	1841m	0.57	ug/L	
10) Carbon Tetrachloride	7.051	117	928m	0.38	ug/L	

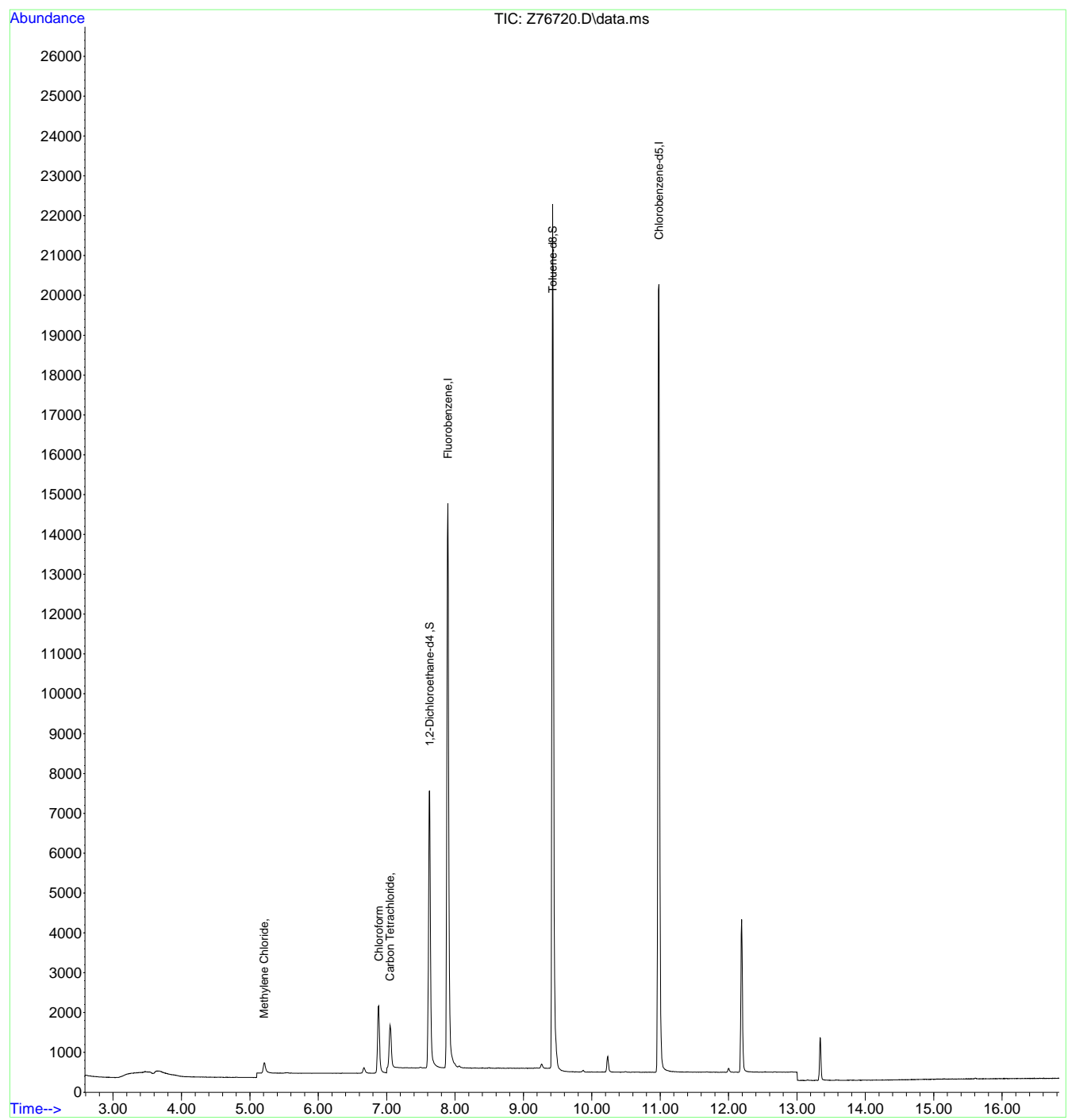
(#) = qualifier out of range (m) = manual integration (+) = signals summed

7.1.22
7

Quantitation Report (QT Reviewed)

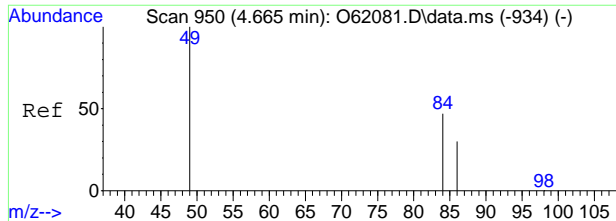
Data Path : C:\msdchem\1\data\090324\
Data File : Z76720.D
Acq On : 3 Sep 2024 5:03 pm
Operator : claudias
Sample : FC18326-22 Inst : MSVOA15-Z
Misc : MS57405,VZ3088,,,,,
ALS Vial : 25 Sample Multiplier: 1

Quant Time: Sep 04 07:07:49 2024
Quant Method : C:\msdchem\1\methods\SIMCL-08-28-2024.M
Quant Title : Standard Methods 6200B
QLast Update : Wed Aug 28 11:30:23 2024
Response via : Initial Calibration



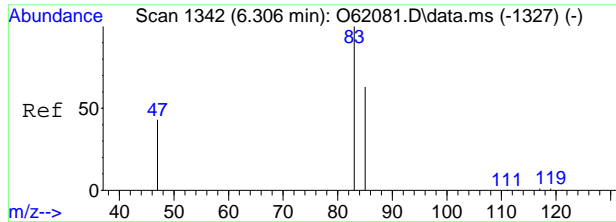
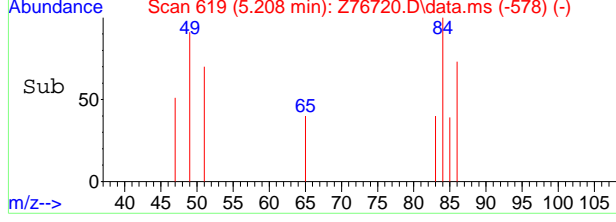
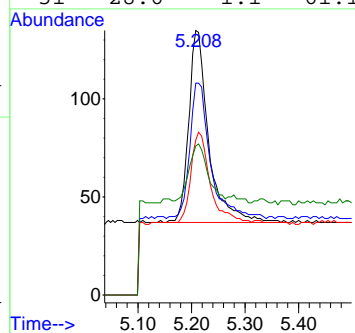
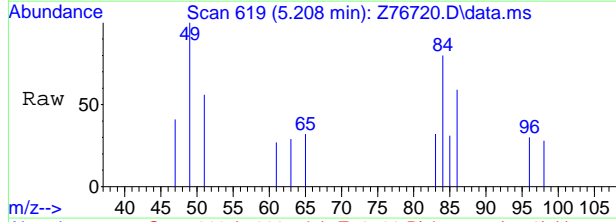
7.1.22
7





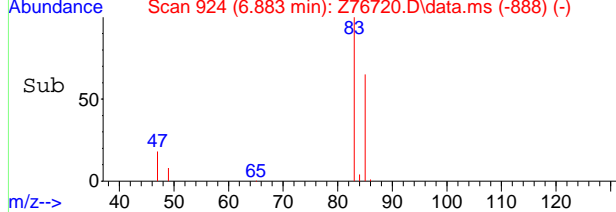
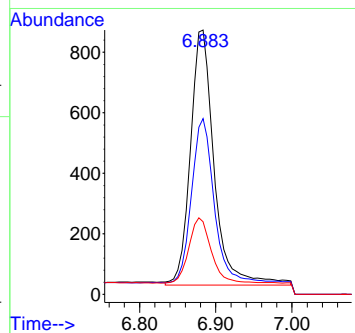
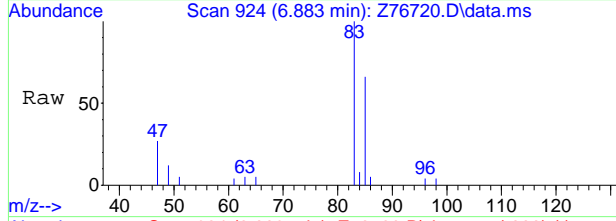
#5
 Methylene Chloride
 Concen: 0.09 ug/L
 RT: 5.208 min Scan# 619
 Delta R.T. -0.005 min
 Lab File: Z76720.D
 Acq: 3 Sep 2024 5:03 pm

Tgt Ion	Ratio	Lower	Upper
49	100		
84	70.4	49.7	109.7
86	43.9	22.0	82.0
51	28.6	1.1	61.1



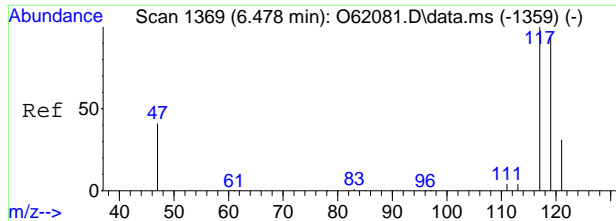
#9
 Chloroform
 Concen: 0.57 ug/L m
 RT: 6.883 min Scan# 924
 Delta R.T. 0.000 min
 Lab File: Z76720.D
 Acq: 3 Sep 2024 5:03 pm

Tgt Ion	Ratio	Lower	Upper
83	100		
85	66.5	35.9	95.9
47	27.5	0.0	51.0



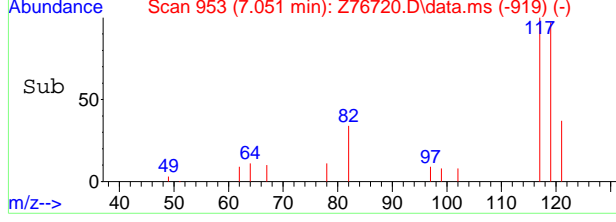
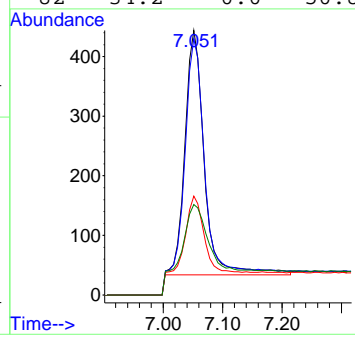
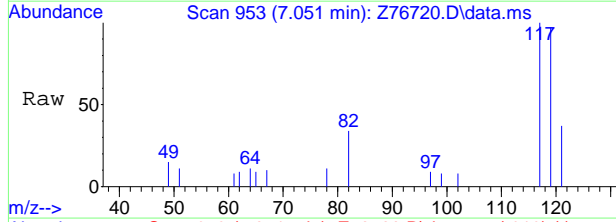
7.1.22
7





#10
 Carbon Tetrachloride
 Concen: 0.38 ug/L m
 RT: 7.051 min Scan# 953
 Delta R.T. -0.007 min
 Lab File: Z76720.D
 Acq: 3 Sep 2024 5:03 pm

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.8	66.2	126.2
121	37.4	1.2	61.2
82	34.2	0.0	50.8



7.1.22
7



Manual Integration Approval Summary

Sample Number: FC18326-22 **Method:** SW846 8260D BY SIM
Lab FileID: Z76720.D **Analyst approved:** 09/04/24 07:58 Claudia Sosa
Injection Time: 09/03/24 17:03 **Supervisor approved:** 09/04/24 09:30 Karen Watson

Parameter	CAS	Sig#	R.T. (min.)	Reason
Chloroform	67-66-3		6.88	Poor instrument integration
Carbon Tetrachloride	56-23-5		7.05	Poor instrument integration

7.1.22.1

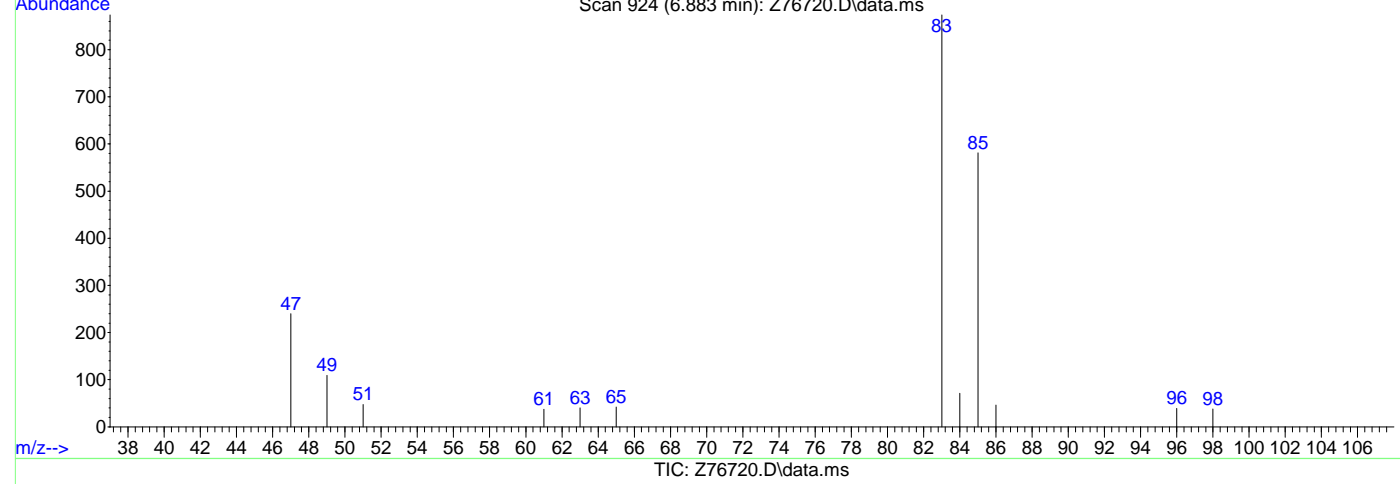
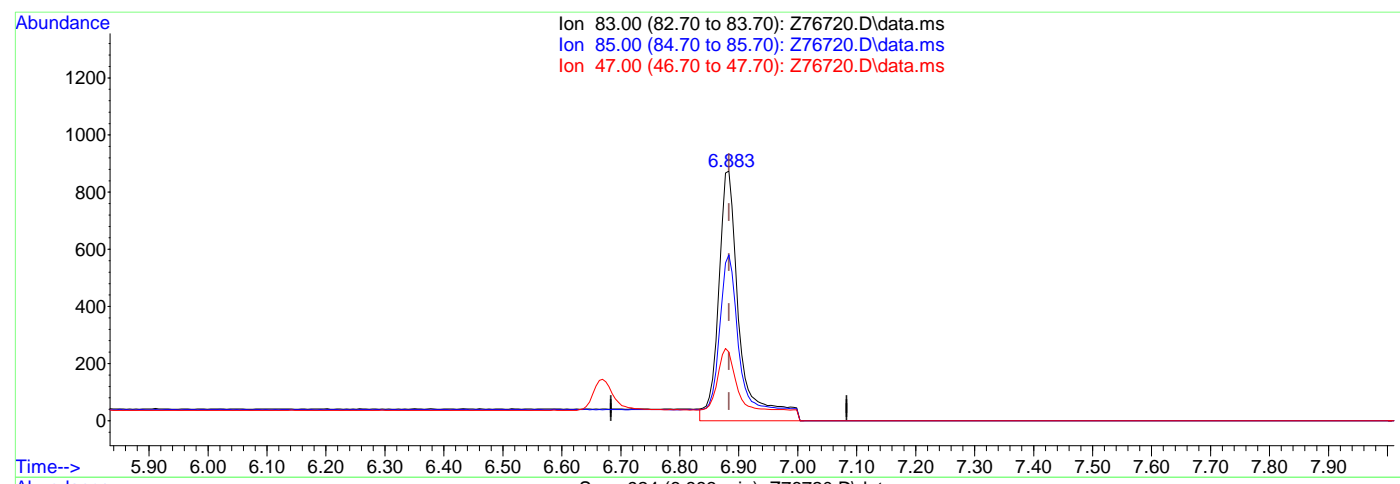
7

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\090324\
Data File : Z76720.D
Acq On : 3 Sep 2024 5:03 pm
Operator : claudias
Sample : FC18326-22
Misc : MS57405,VZ3088,,,,,
ALS Vial : 25 Sample Multiplier: 1

Inst : MSVOA15-Z

Quant Time: Sep 04 06:38:08 2024
Quant Method : C:\msdchem\1\methods\SIMCL-08-28-2024.M
Quant Title : Standard Methods 6200B
QLast Update : Wed Aug 28 11:30:23 2024
Response via : Initial Calibration



(9) Chloroform

6.883min (+0.000) 0.67ug/L

response 2163

Ion	Exp%	Act%
83.00	100	100
85.00	65.90	66.48
47.00	21.00	27.46
0.00	0.00	0.00



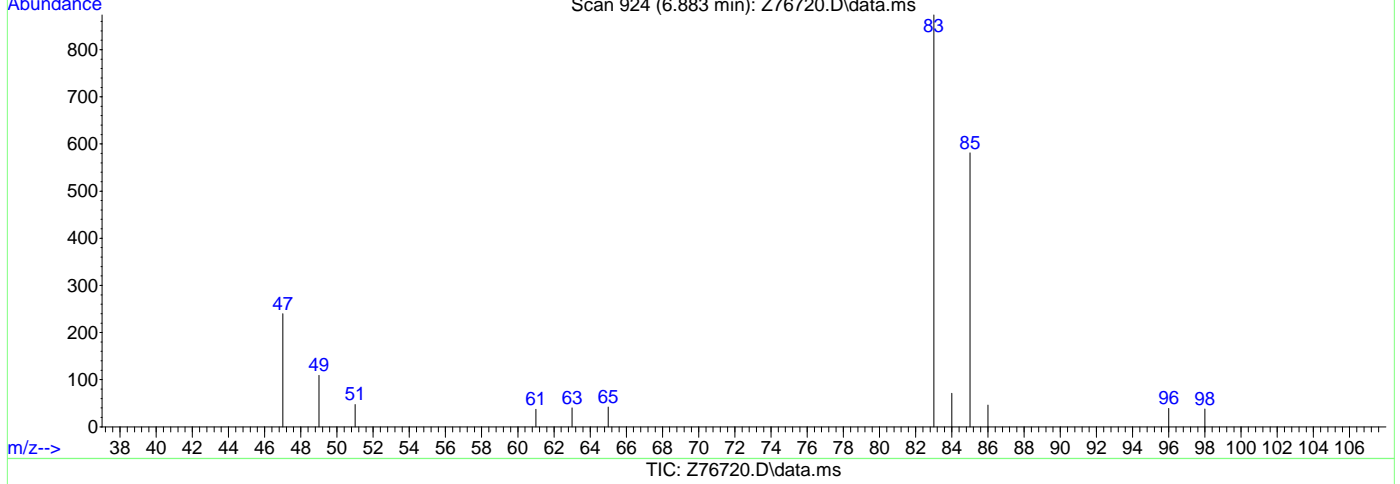
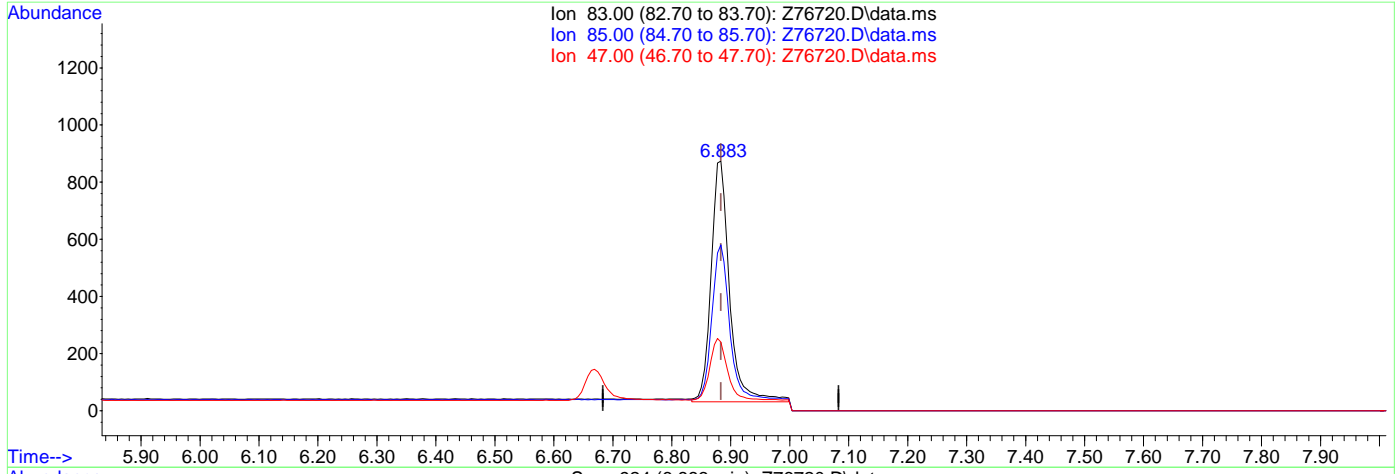
7.1.22.2
7

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\090324\
Data File : Z76720.D
Acq On : 3 Sep 2024 5:03 pm
Operator : claudias
Sample : FC18326-22
Misc : MS57405,VZ3088,,,,,
ALS Vial : 25 Sample Multiplier: 1

Inst : MSVOA15-Z

Quant Time: Sep 04 06:38:08 2024
Quant Method : C:\msdchem\1\methods\SIMCL-08-28-2024.M
Quant Title : Standard Methods 6200B
QLast Update : Wed Aug 28 11:30:23 2024
Response via : Initial Calibration



(9) Chloroform

6.883min (+0.000) 0.57ug/L m

response 1841

Ion	Exp%	Act%
83.00	100	100
85.00	65.90	66.48
47.00	21.00	27.46
0.00	0.00	0.00



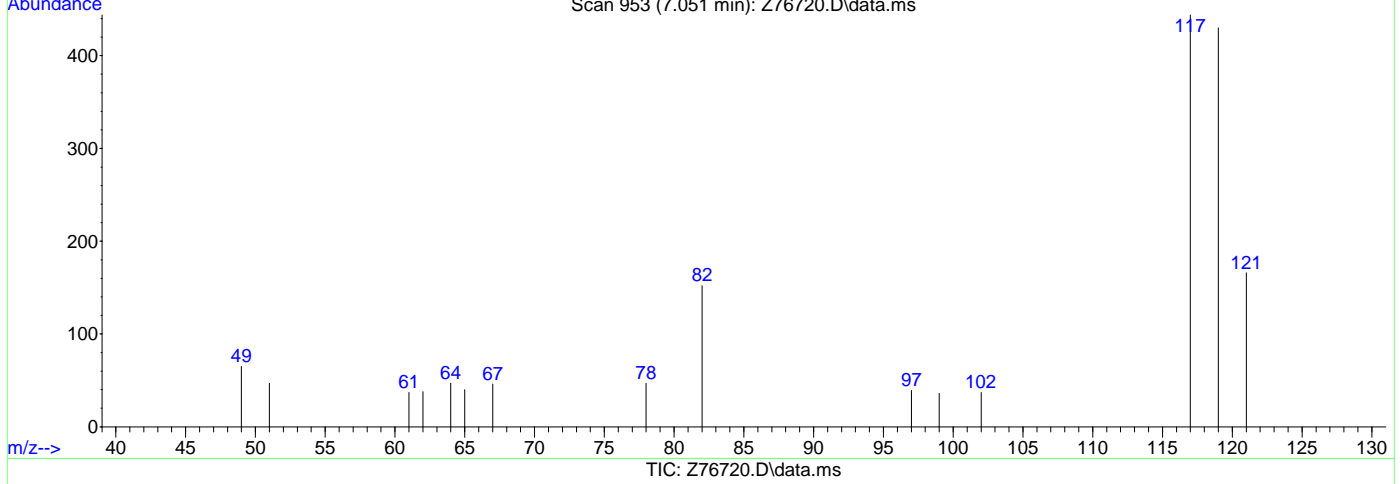
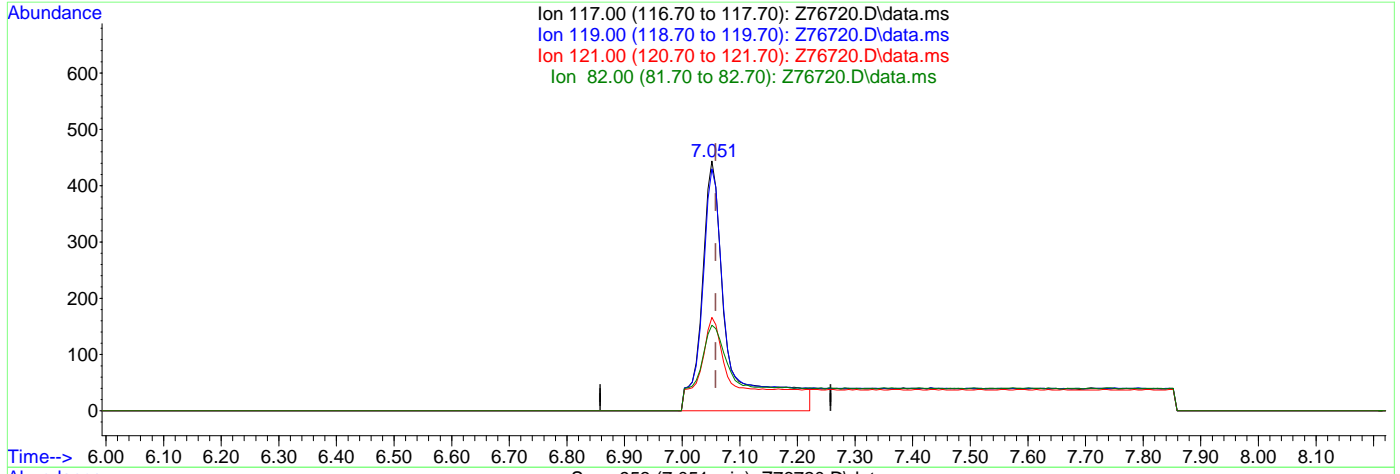
7.1.22.3
7

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\090324\
Data File : Z76720.D
Acq On : 3 Sep 2024 5:03 pm
Operator : claudias
Sample : FC18326-22
Misc : MS57405,VZ3088,,,,,
ALS Vial : 25 Sample Multiplier: 1

Inst : MSVOA15-Z

Quant Time: Sep 04 06:38:08 2024
Quant Method : C:\msdchem\1\methods\SIMCL-08-28-2024.M
Quant Title : Standard Methods 6200B
QLast Update : Wed Aug 28 11:30:23 2024
Response via : Initial Calibration



(10) Carbon Tetrachloride ()

7.051min (-0.007) 0.57ug/L

response 1374

Ion	Exp%	Act%
117.00	100	100
119.00	96.20	96.85
121.00	31.20	37.39
82.00	20.80	34.23



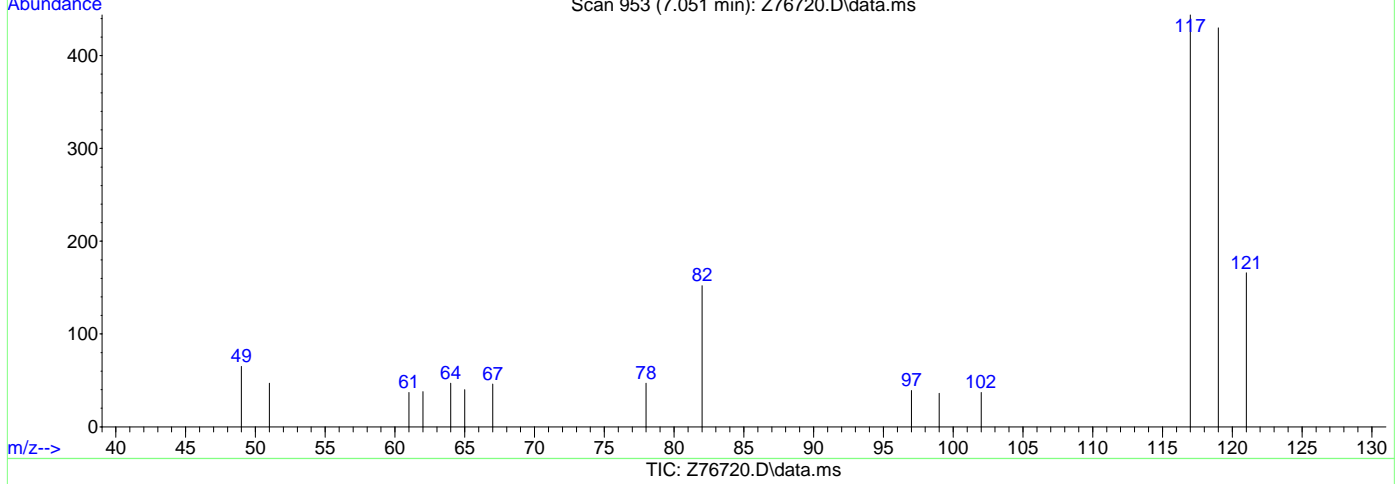
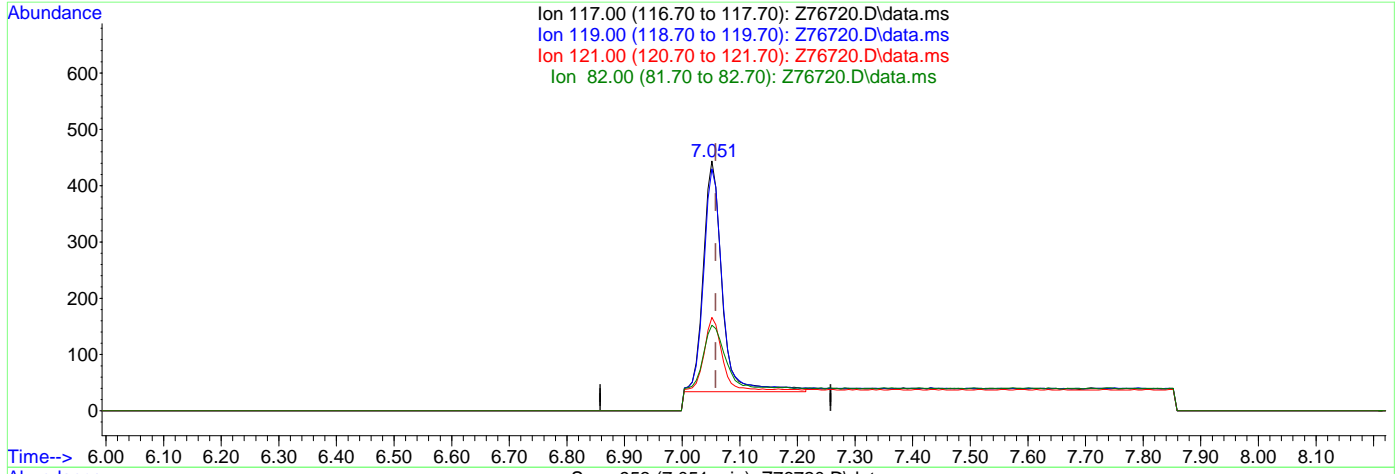
7.1.22.4
7

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\090324\
Data File : Z76720.D
Acq On : 3 Sep 2024 5:03 pm
Operator : claudias
Sample : FC18326-22
Misc : MS57405,VZ3088,,,,,
ALS Vial : 25 Sample Multiplier: 1

Inst : MSVOA15-Z

Quant Time: Sep 04 06:38:08 2024
Quant Method : C:\msdchem\1\methods\SIMCL-08-28-2024.M
Quant Title : Standard Methods 6200B
QLast Update : Wed Aug 28 11:30:23 2024
Response via : Initial Calibration



(10) Carbon Tetrachloride ()

7.051min (-0.007) 0.38ug/L m

response 928

Ion	Exp%	Act%
117.00	100	100
119.00	96.20	96.85
121.00	31.20	37.39
82.00	20.80	34.23



7.1.22.5
7

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\09-04-24\
 Data File : N0132428.D
 Acq On : 4 Sep 2024 9:39 am
 Operator : jeniferw
 Sample : FC18326-23
 Misc : MS57416,VN6714,,,,,
 ALS Vial : 8 Sample Multiplier: 1

Quant Time: Sep 04 10:15:44 2024
 Quant Method : C:\msdchem\1\methods\SIMCL_VN6705_082024.M
 Quant Title : Standard Methods 6200B
 QLast Update : Tue Aug 20 14:01:28 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Fluorobenzene	6.341	96	49653	5.00	ug/L	0.00
18) Chlorobenzene-d5	9.519	117	33469	5.00	ug/L	0.00
System Monitoring Compounds						
13) 1,2-Dichloroethane-d4	6.045	65	23036	5.39	ug/L	0.00
Spiked Amount	5.000	Range 74 - 125	Recovery	=	107.80%	
19) Toluene-d8	7.951	98	37970	5.14	ug/L	0.00
Spiked Amount	5.000	Range 88 - 111	Recovery	=	102.80%	
Target Compounds						
3) Chloromethane	1.982	50	254	0.17	ug/L	99
5) Methylene Chloride	3.718	49	3333	1.45	ug/L	88

(#) = qualifier out of range (m) = manual integration (+) = signals summed

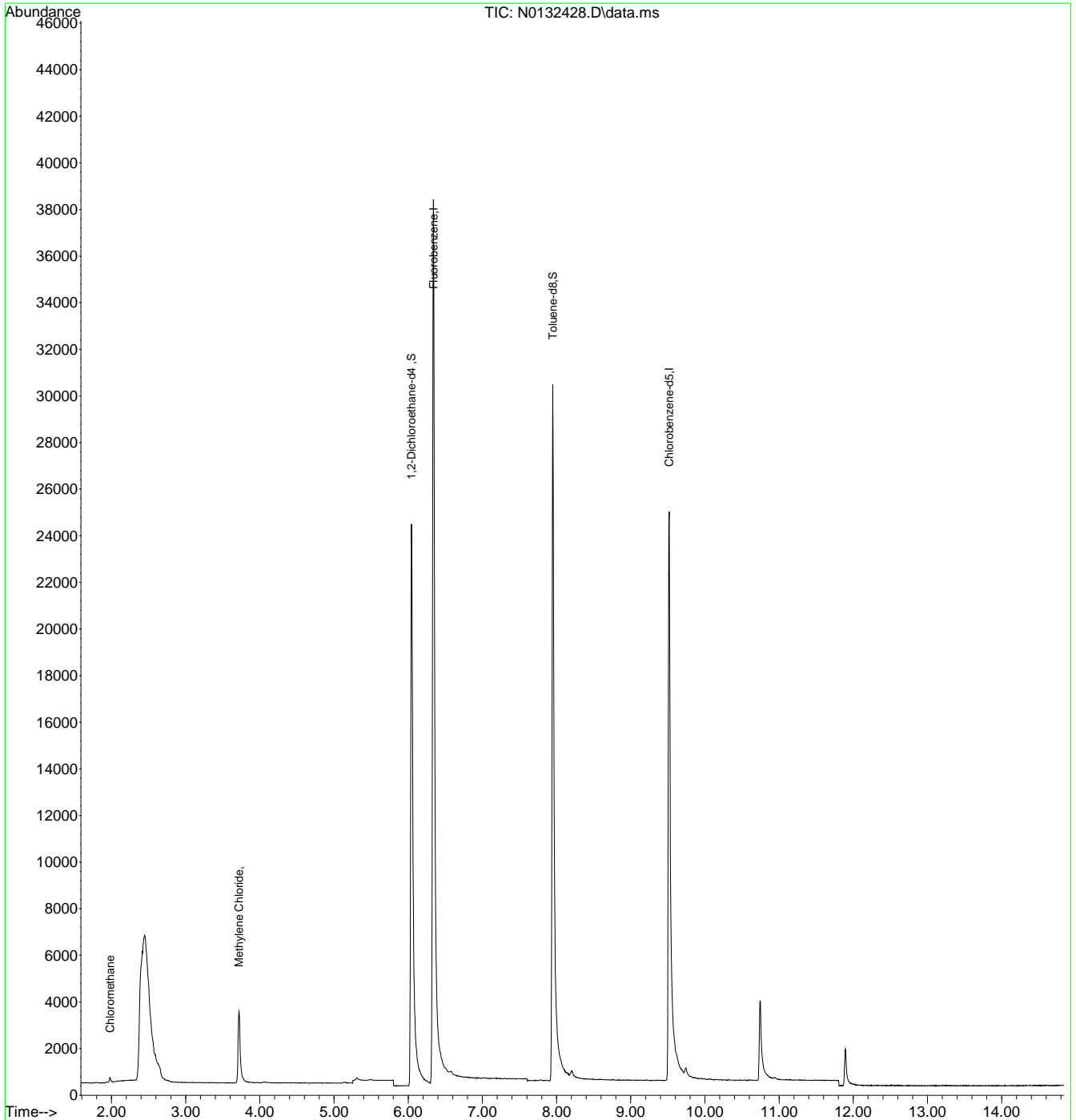
7.1.23
7



Quantitation Report (QT Reviewed)

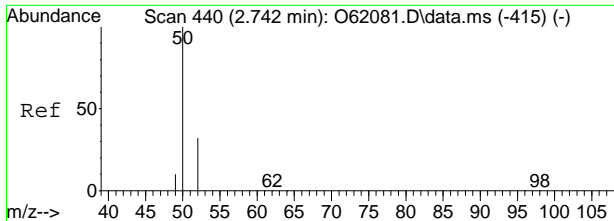
Data Path : C:\msdchem\1\data\09-04-24\
 Data File : N0132428.D
 Acq On : 4 Sep 2024 9:39 am
 Operator : jeniferw
 Sample : FC18326-23
 Misc : MS57416,VN6714,,,,,
 ALS Vial : 8 Sample Multiplier: 1

Quant Time: Sep 04 10:15:44 2024
 Quant Method : C:\msdchem\1\methods\SIMCL_VN6705_082024.M
 Quant Title : Standard Methods 6200B
 QLast Update : Tue Aug 20 14:01:28 2024
 Response via : Initial Calibration



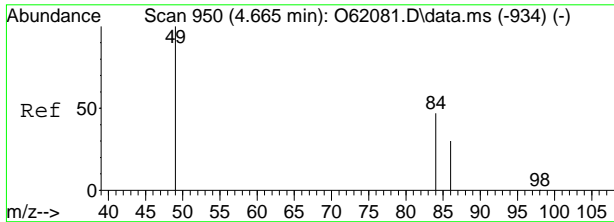
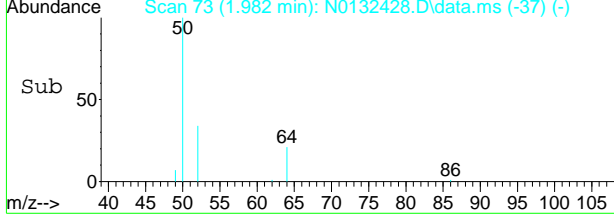
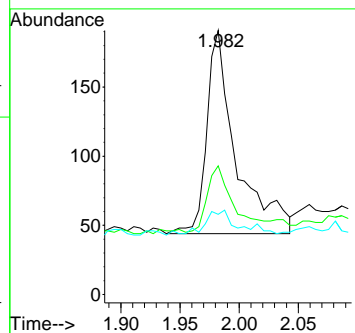
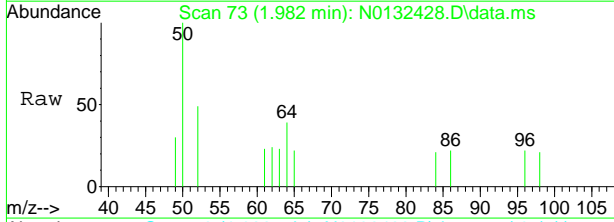
7.1.23
7





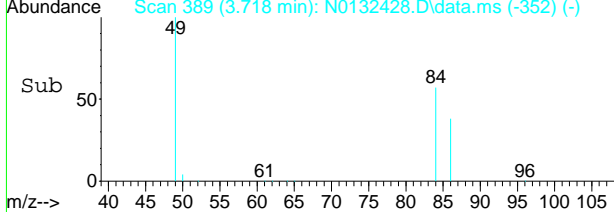
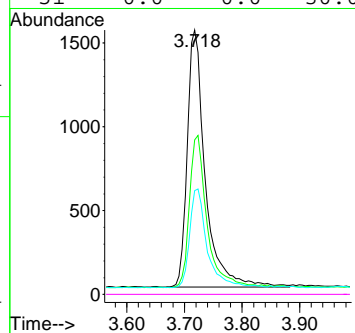
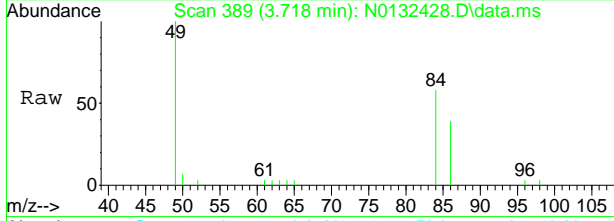
#3
 Chloromethane
 Concen: 0.17 ug/L
 RT: 1.982 min Scan# 73
 Delta R.T. 0.000 min
 Lab File: N0132428.D
 Acq: 4 Sep 2024 9:39 am

Tgt Ion	Resp	Lower	Upper
50	254		
52	32.0	2.1	62.1
49	10.2	0.0	39.6



#5
 Methylene Chloride
 Concen: 1.45 ug/L
 RT: 3.718 min Scan# 389
 Delta R.T. 0.006 min
 Lab File: N0132428.D
 Acq: 4 Sep 2024 9:39 am

Tgt Ion	Resp	Lower	Upper
49	3333		
84	57.4	20.0	80.0
86	37.7	0.4	60.4
51	0.0	0.0	30.0



7.1.23
7



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\09-04-24\
 Data File : N0132429.D
 Acq On : 4 Sep 2024 10:02 am
 Operator : jeniferw
 Sample : FC18326-24
 Misc : MS57416,VN6714,,,,,
 ALS Vial : 9 Sample Multiplier: 1

Quant Time: Sep 04 11:57:31 2024
 Quant Method : C:\msdchem\1\methods\SIMCL_VN6705_082024.M
 Quant Title : Standard Methods 6200B
 QLast Update : Tue Aug 20 14:01:28 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	Qvalue

Internal Standards							
1) Fluorobenzene	6.341	96	48707	5.00	ug/L	0.00	
18) Chlorobenzene-d5	9.519	117	33012	5.00	ug/L	0.00	
System Monitoring Compounds							
13) 1,2-Dichloroethane-d4	6.045	65	22774	5.44	ug/L	0.00	
Spiked Amount	5.000	Range 74 - 125	Recovery	=	108.80%		
19) Toluene-d8	7.951	98	37517	5.15	ug/L	0.00	
Spiked Amount	5.000	Range 88 - 111	Recovery	=	103.00%		
Target Compounds							
3) Chloromethane	1.982	50	294	0.20	ug/L	96	
5) Methylene Chloride	3.718	49	3335	1.48	ug/L	89	
9) Chloroform	5.303	83	847m	0.46	ug/L		
10) Carbon Tetrachloride	5.466	117	76	0.10	ug/L	77	

(#) = qualifier out of range (m) = manual integration (+) = signals summed

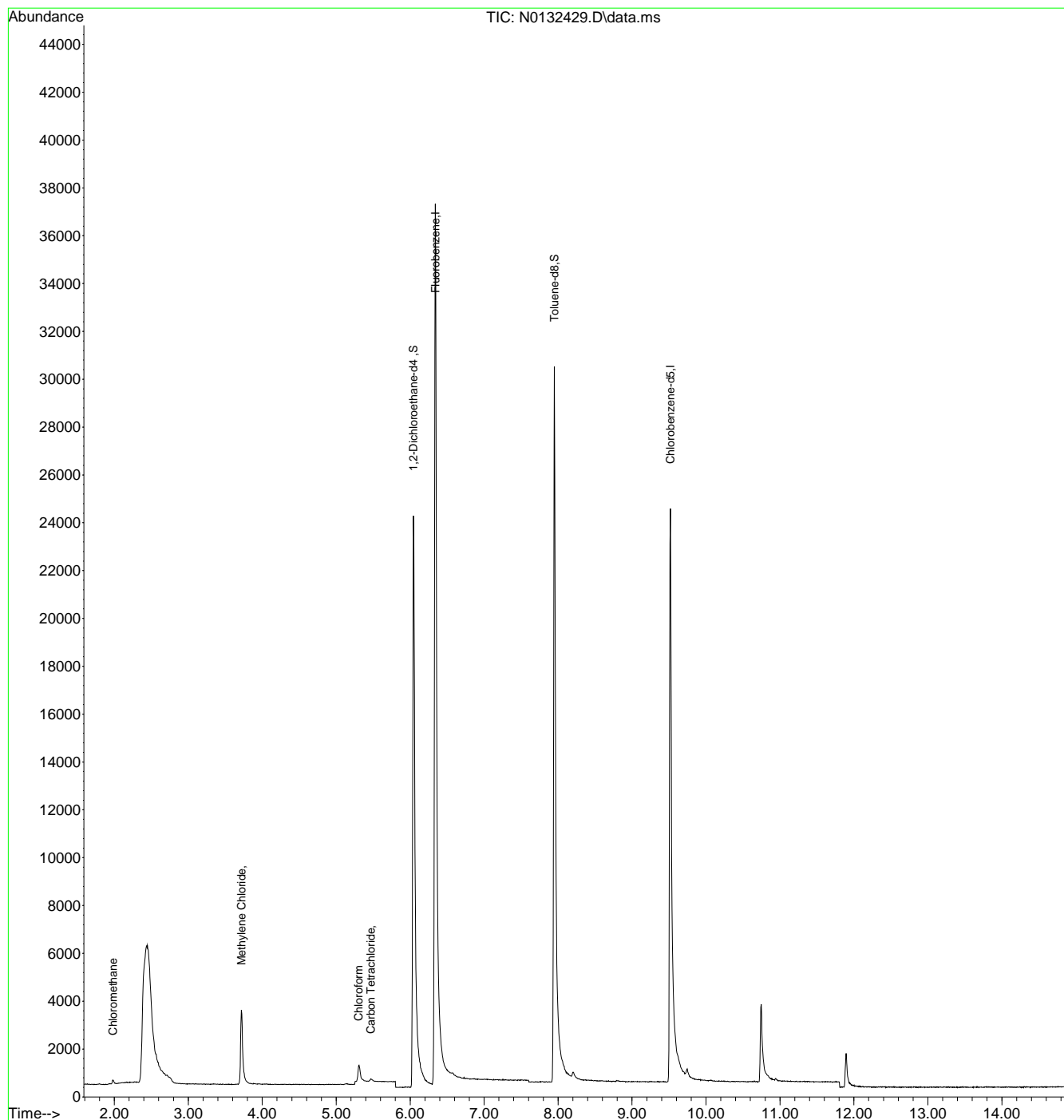
7.1.24
 7



Quantitation Report (QT Reviewed)

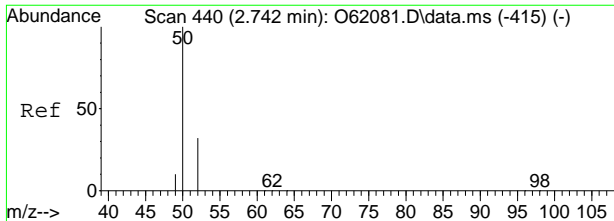
Data Path : C:\msdchem\1\data\09-04-24\
 Data File : N0132429.D
 Acq On : 4 Sep 2024 10:02 am
 Operator : jeniferw
 Sample : FC18326-24
 Misc : MS57416,VN6714,,,,,
 ALS Vial : 9 Sample Multiplier: 1

Quant Time: Sep 04 11:57:31 2024
 Quant Method : C:\msdchem\1\methods\SIMCL_VN6705_082024.M
 Quant Title : Standard Methods 6200B
 QLast Update : Tue Aug 20 14:01:28 2024
 Response via : Initial Calibration



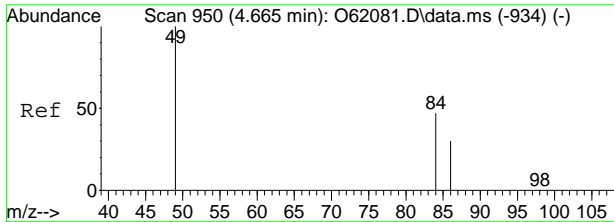
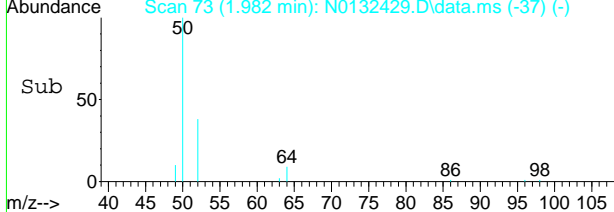
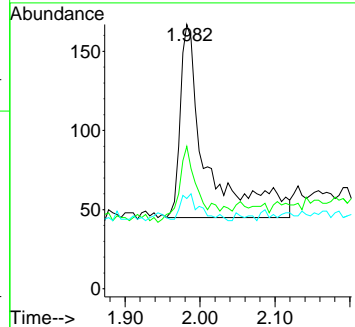
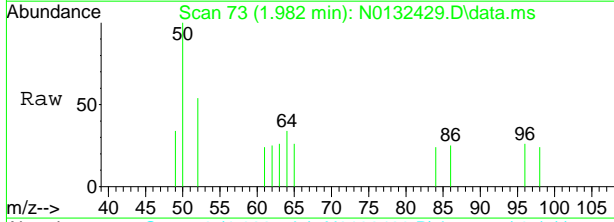
7.1.24
7





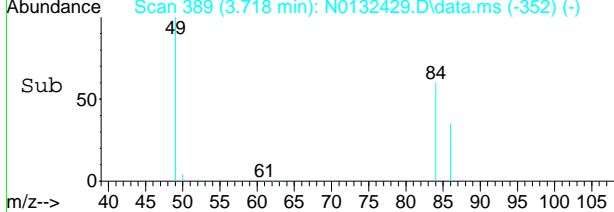
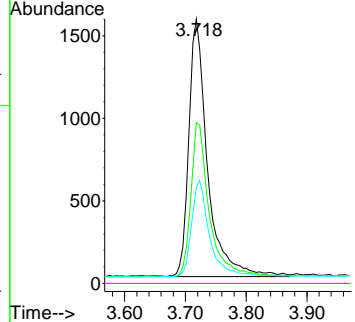
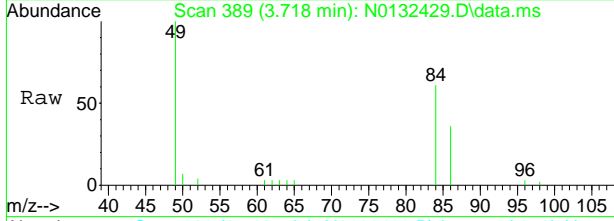
#3
 Chloromethane
 Concen: 0.20 ug/L
 RT: 1.982 min Scan# 73
 Delta R.T. 0.000 min
 Lab File: N0132429.D
 Acq: 4 Sep 2024 10:02 am

Tgt Ion	Ratio	Lower	Upper
50	100		
52	35.2	2.1	62.1
49	9.8	0.0	39.6



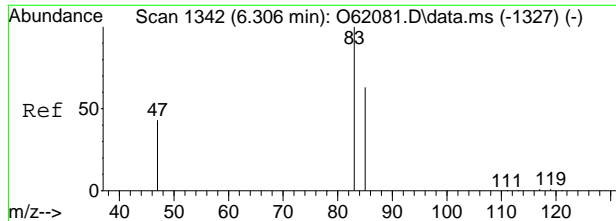
#5
 Methylene Chloride
 Concen: 1.48 ug/L
 RT: 3.718 min Scan# 389
 Delta R.T. 0.006 min
 Lab File: N0132429.D
 Acq: 4 Sep 2024 10:02 am

Tgt Ion	Ratio	Lower	Upper
49	100		
84	59.7	20.0	80.0
86	34.2	0.4	60.4
51	0.0	0.0	30.0



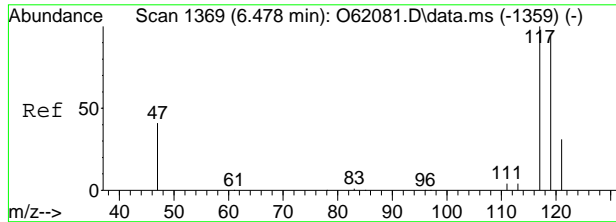
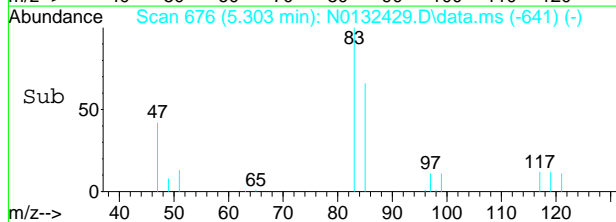
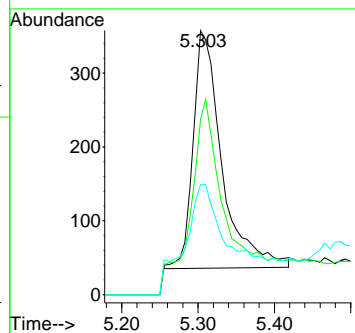
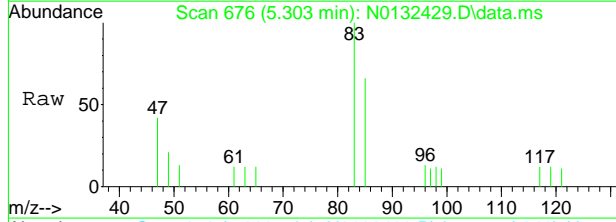
7.1.24
7





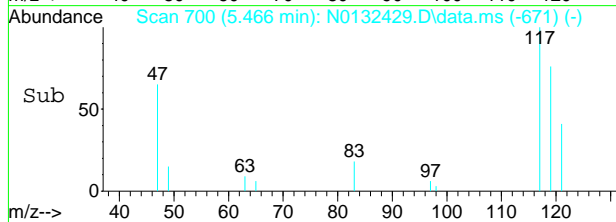
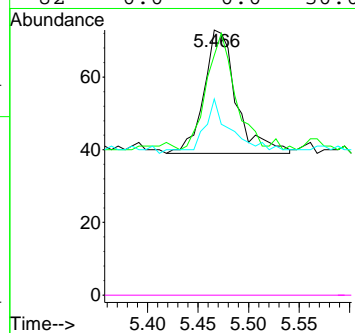
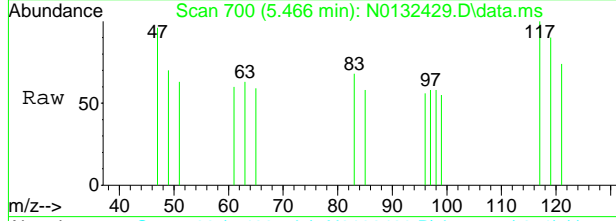
#9
Chloroform
Concen: 0.46 ug/L m
RT: 5.303 min Scan# 676
Delta R.T. 0.000 min
Lab File: N0132429.D
Acq: 4 Sep 2024 10:02 am

Tgt Ion	Resp	Lower	Upper
83	100		
85	66.2	36.3	96.3
47	41.6	2.6	62.6



#10
Carbon Tetrachloride
Concen: 0.10 ug/L
RT: 5.466 min Scan# 700
Delta R.T. 0.000 min
Lab File: N0132429.D
Acq: 4 Sep 2024 10:02 am

Tgt Ion	Resp	Lower	Upper
117	100		
119	73.5	67.0	127.0
121	41.2	0.5	60.5
82	0.0	0.0	30.0



Manual Integration Approval Summary

Sample Number: FC18326-24 **Method:** SW846 8260D BY SIM
Lab FileID: N0132429.D **Analyst approved:** 09/05/24 07:45 Jenifer Willis
Injection Time: 09/04/24 10:02 **Supervisor approved:** 09/05/24 09:09 Karen Watson

Parameter	CAS	Sig#	R.T. (min.)	Reason
Chloroform	67-66-3		5.30	Poorly defined baseline

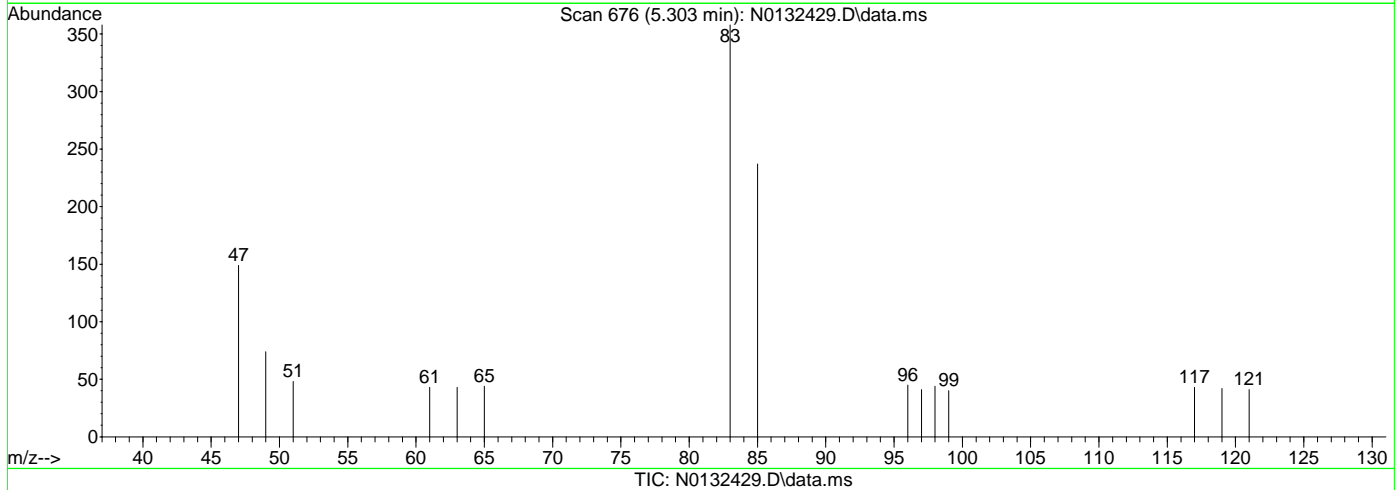
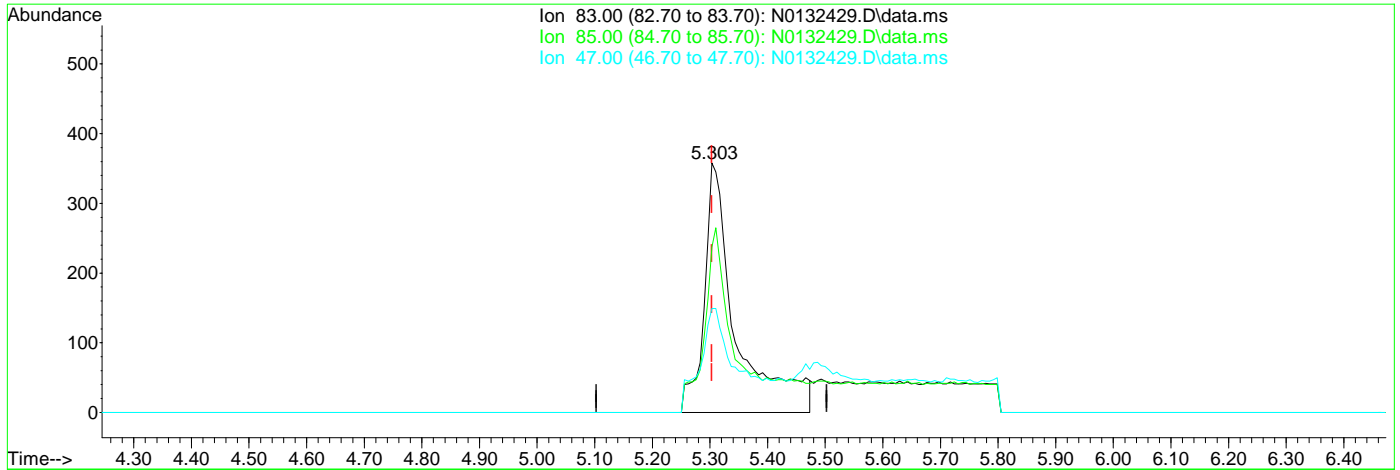
7.1.24.1

7

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\09-04-24\
 Data File : N0132429.D
 Acq On : 4 Sep 2024 10:02 am
 Operator : jeniferw
 Sample : FC18326-24
 Misc : MS57416,VN6714,,,,,
 ALS Vial : 9 Sample Multiplier: 1

Quant Time: Sep 04 11:56:31 2024
 Quant Method : C:\msdchem\1\methods\SIMCL_VN6705_082024.M
 Quant Title : Standard Methods 6200B
 QLast Update : Tue Aug 20 14:01:28 2024
 Response via : Initial Calibration



(9) Chloroform

5.303min (+0.000) 0.74ug/L

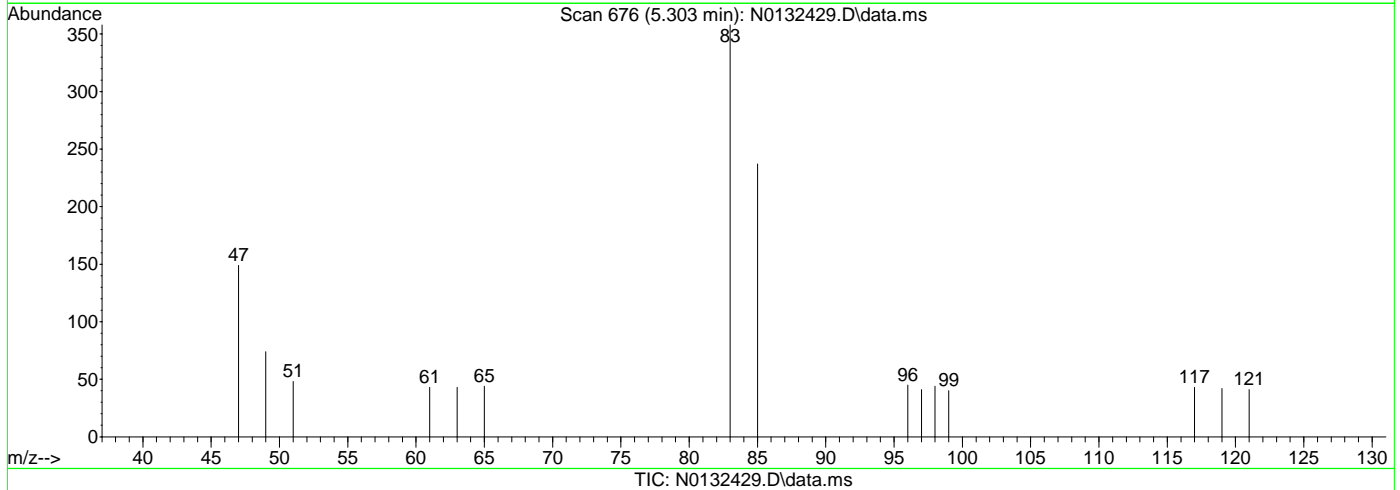
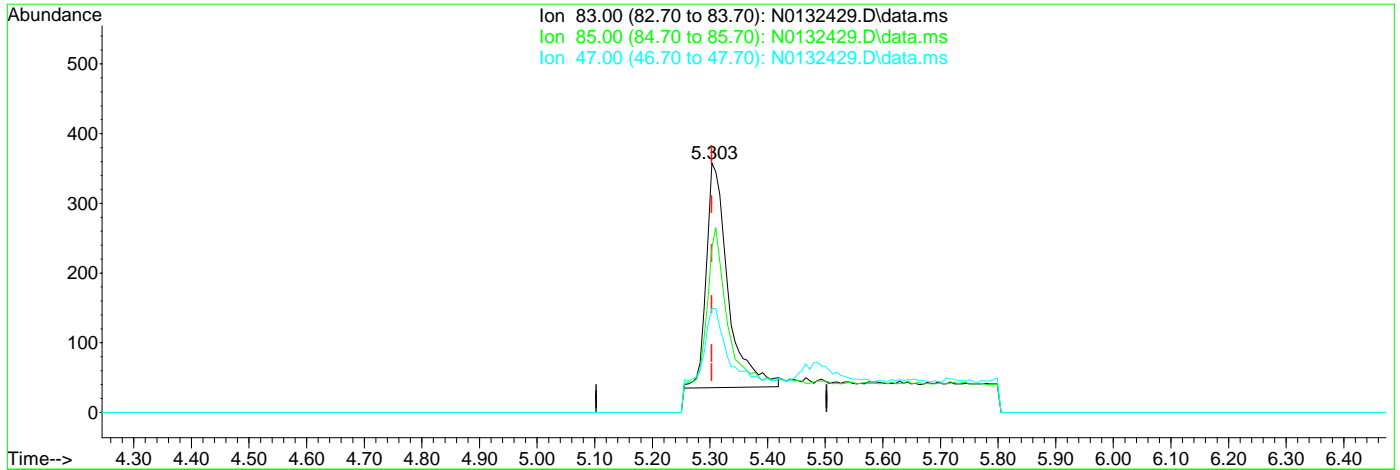
response 1352

Ion	Exp%	Act%
83.00	100	100
85.00	66.30	66.20
47.00	32.60	41.62
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\09-04-24\
 Data File : N0132429.D
 Acq On : 4 Sep 2024 10:02 am
 Operator : jeniferw
 Sample : FC18326-24
 Misc : MS57416,VN6714,,,,,
 ALS Vial : 9 Sample Multiplier: 1

Quant Time: Sep 04 11:56:31 2024
 Quant Method : C:\msdchem\1\methods\SIMCL_VN6705_082024.M
 Quant Title : Standard Methods 6200B
 QLast Update : Tue Aug 20 14:01:28 2024
 Response via : Initial Calibration



(9) Chloroform

5.303min (+0.000) 0.46ug/L m

response 847

Ion	Exp%	Act%
83.00	100	100
85.00	66.30	66.20
47.00	32.60	41.62
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\09-04-24\
 Data File : N0132426.D
 Acq On : 4 Sep 2024 8:52 am
 Operator : jeniferw
 Sample : FC18326-25
 Misc : MS57416,VN6714,,,,,
 ALS Vial : 6 Sample Multiplier: 1

Quant Time: Sep 04 10:14:46 2024
 Quant Method : C:\msdchem\1\methods\SIMCL_VN6705_082024.M
 Quant Title : Standard Methods 6200B
 QLast Update : Tue Aug 20 14:01:28 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	Qvalue

Internal Standards							
1) Fluorobenzene	6.341	96	50192	5.00	ug/L	0.00	
18) Chlorobenzene-d5	9.519	117	33060	5.00	ug/L	0.00	
System Monitoring Compounds							
13) 1,2-Dichloroethane-d4	6.045	65	23160	5.36	ug/L	0.00	
Spiked Amount	5.000	Range 74 - 125	Recovery	=	107.20%		
19) Toluene-d8	7.951	98	37843	5.19	ug/L	0.00	
Spiked Amount	5.000	Range 88 - 111	Recovery	=	103.80%		
Target Compounds							
3) Chloromethane	1.982	50	329	0.22	ug/L	93	
5) Methylene Chloride	3.718	49	5459	2.39	ug/L	88	
9) Chloroform	5.310	83	265m	0.14	ug/L		

(#) = qualifier out of range (m) = manual integration (+) = signals summed

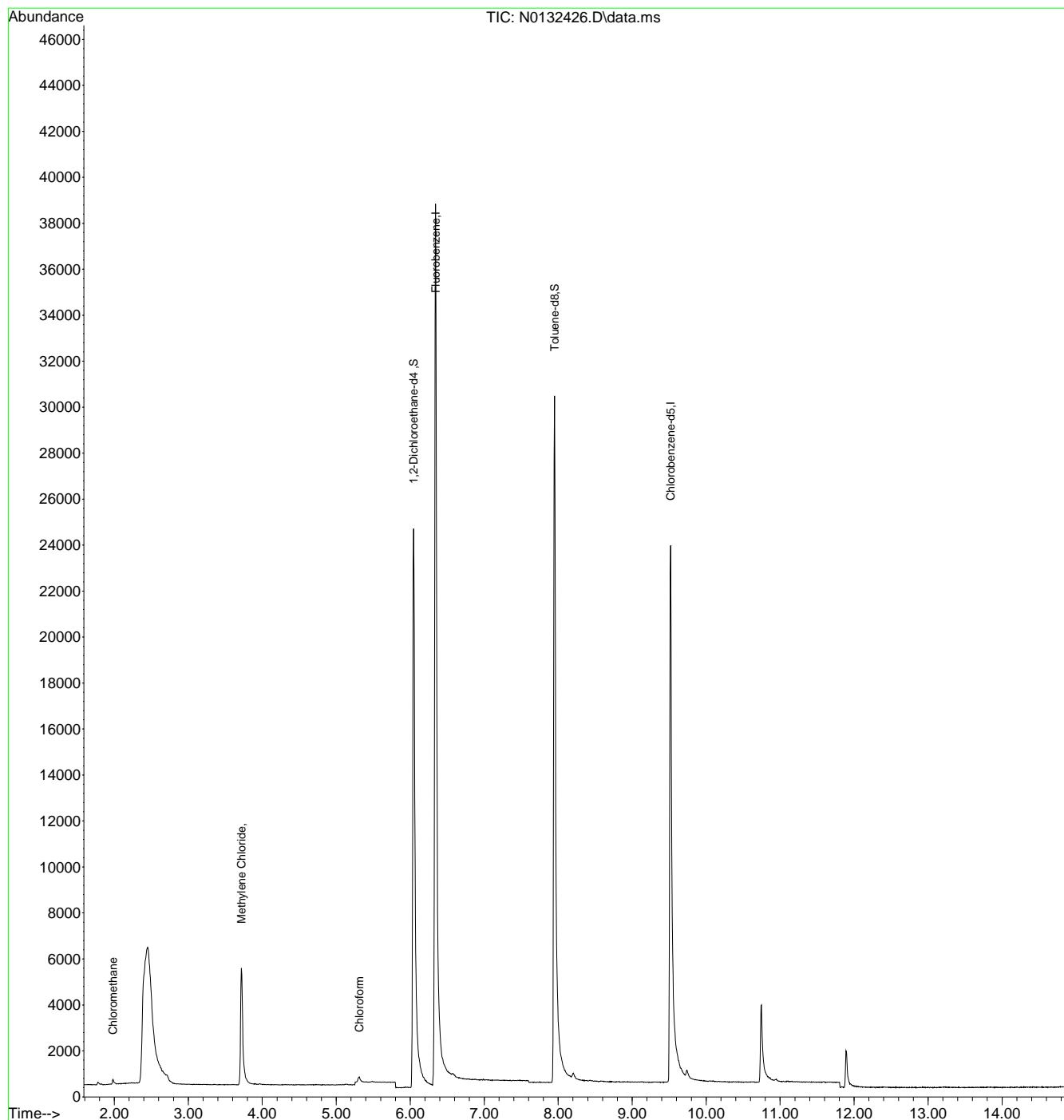
7.1.25
7



Quantitation Report (QT Reviewed)

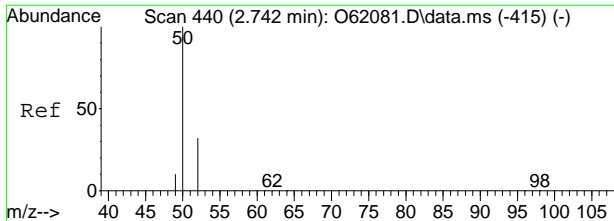
Data Path : C:\msdchem\1\data\09-04-24\
Data File : N0132426.D
Acq On : 4 Sep 2024 8:52 am
Operator : jeniferw
Sample : FC18326-25
Misc : MS57416,VN6714,,,,,
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Sep 04 10:14:46 2024
Quant Method : C:\msdchem\1\methods\SIMCL_VN6705_082024.M
Quant Title : Standard Methods 6200B
QLast Update : Tue Aug 20 14:01:28 2024
Response via : Initial Calibration



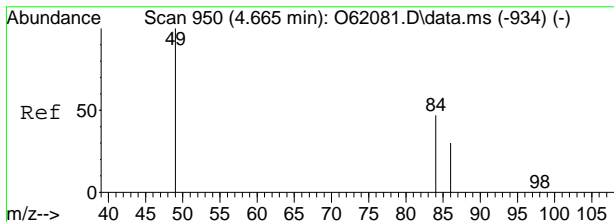
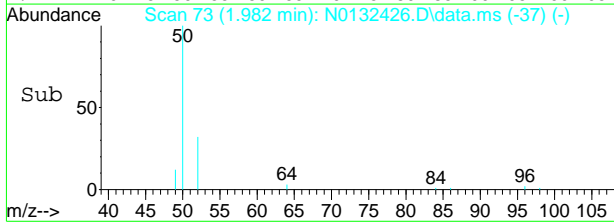
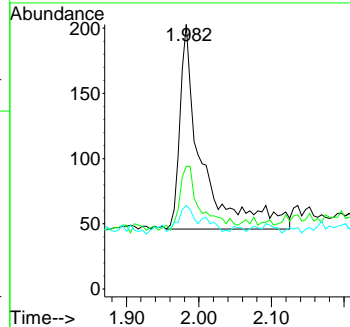
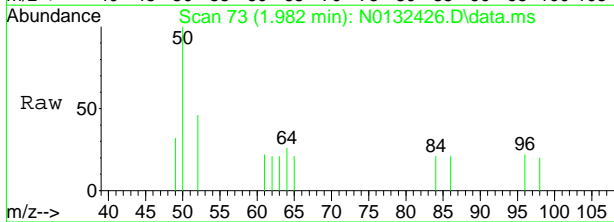
7.1.25
7





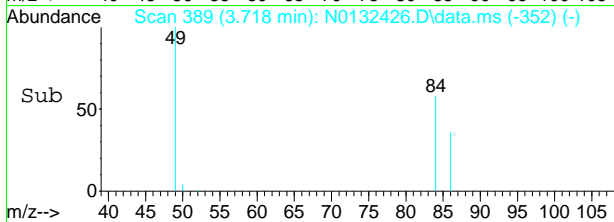
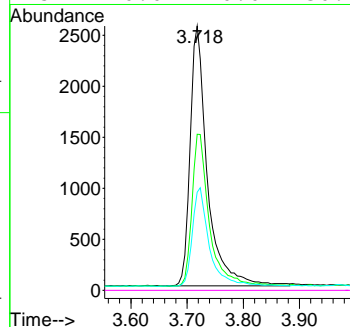
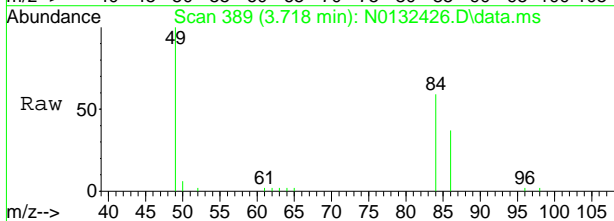
#3
 Chloromethane
 Concen: 0.22 ug/L
 RT: 1.982 min Scan# 73
 Delta R.T. 0.000 min
 Lab File: N0132426.D
 Acq: 4 Sep 2024 8:52 am

Tgt Ion	Resp	Lower	Upper
50	329		
52	28.7	2.1	62.1
49	12.7	0.0	39.6

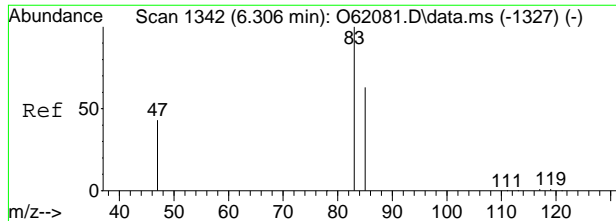


#5
 Methylene Chloride
 Concen: 2.39 ug/L
 RT: 3.718 min Scan# 389
 Delta R.T. 0.006 min
 Lab File: N0132426.D
 Acq: 4 Sep 2024 8:52 am

Tgt Ion	Resp	Lower	Upper
49	5459		
49	100		
84	58.4	20.0	80.0
86	36.1	0.4	60.4
51	0.0	0.0	30.0

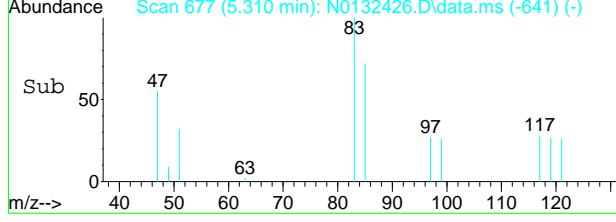
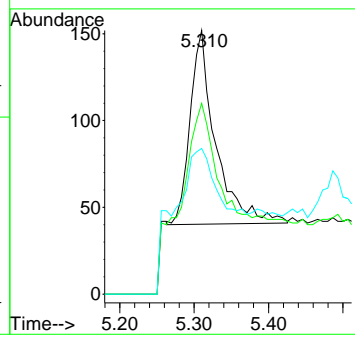
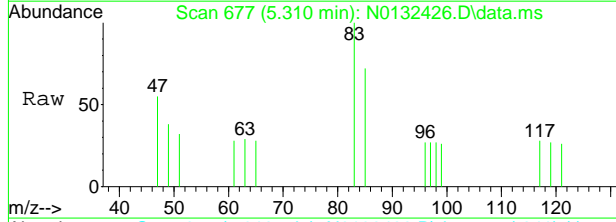


7.1.25
7



#9
 Chloroform
 Concen: 0.14 ug/L m
 RT: 5.310 min Scan# 677
 Delta R.T. 0.007 min
 Lab File: N0132426.D
 Acq: 4 Sep 2024 8:52 am

Tgt Ion	Ratio	Lower	Upper
83	100		
85	72.4	36.3	96.3
47	55.3	2.6	62.6



7.1.25
7



Manual Integration Approval Summary

Sample Number: FC18326-25 **Method:** SW846 8260D BY SIM
Lab FileID: N0132426.D **Analyst approved:** 09/05/24 07:45 Jenifer Willis
Injection Time: 09/04/24 08:52 **Supervisor approved:** 09/05/24 09:09 Karen Watson

Parameter	CAS	Sig#	R.T. (min.)	Reason
Chloroform	67-66-3		5.31	Poorly defined baseline

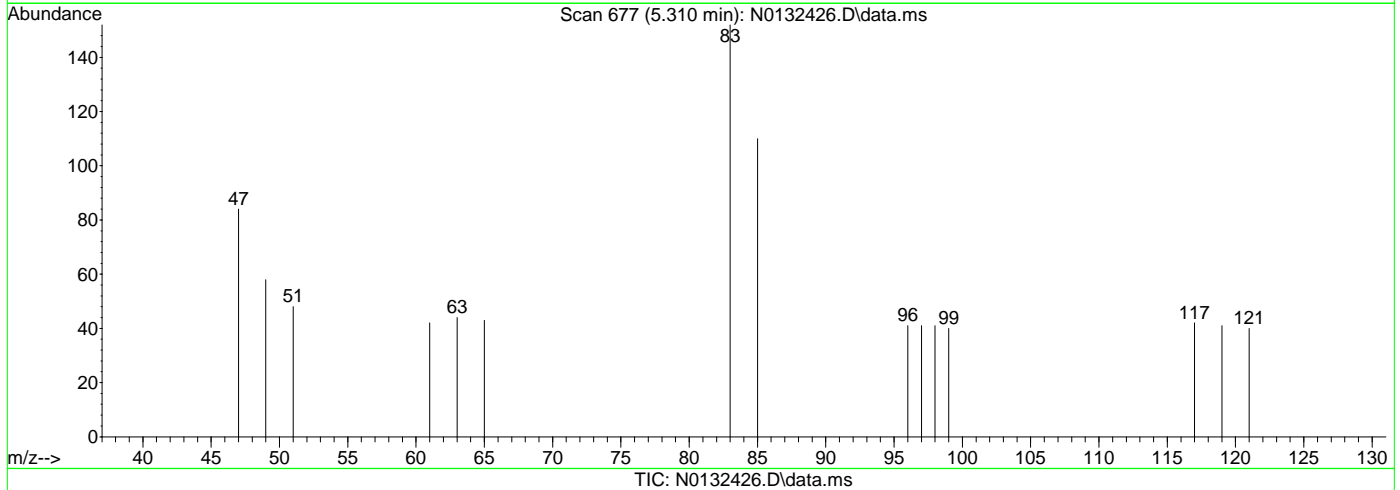
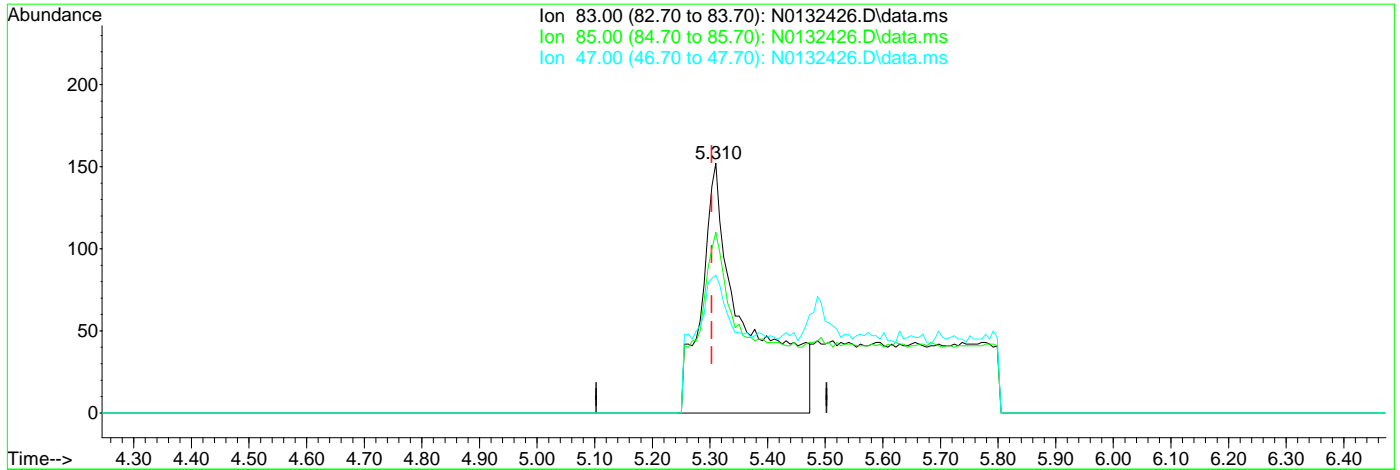
7.1.25.1

7

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\09-04-24\
 Data File : N0132426.D
 Acq On : 4 Sep 2024 8:52 am
 Operator : jeniferw
 Sample : FC18326-25
 Misc : MS57416,VN6714,,,,,
 ALS Vial : 6 Sample Multiplier: 1

Quant Time: Sep 04 10:14:18 2024
 Quant Method : C:\msdchem\1\methods\SIMCL_VN6705_082024.M
 Quant Title : Standard Methods 6200B
 QLast Update : Tue Aug 20 14:01:28 2024
 Response via : Initial Calibration



(9) Chloroform
 5.310min (+0.007) 0.43ug/L

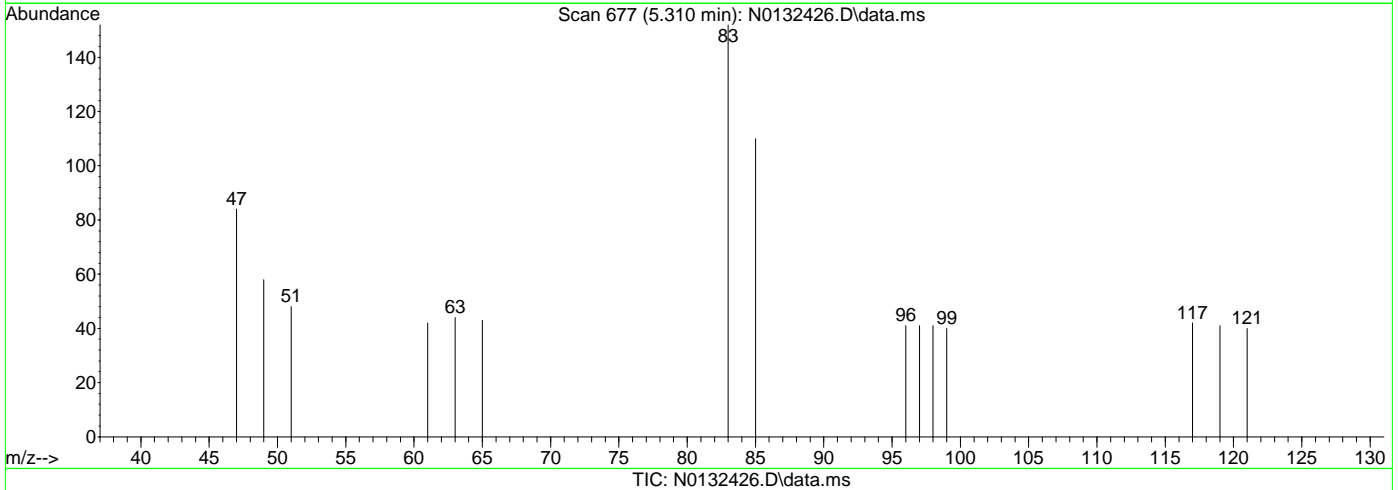
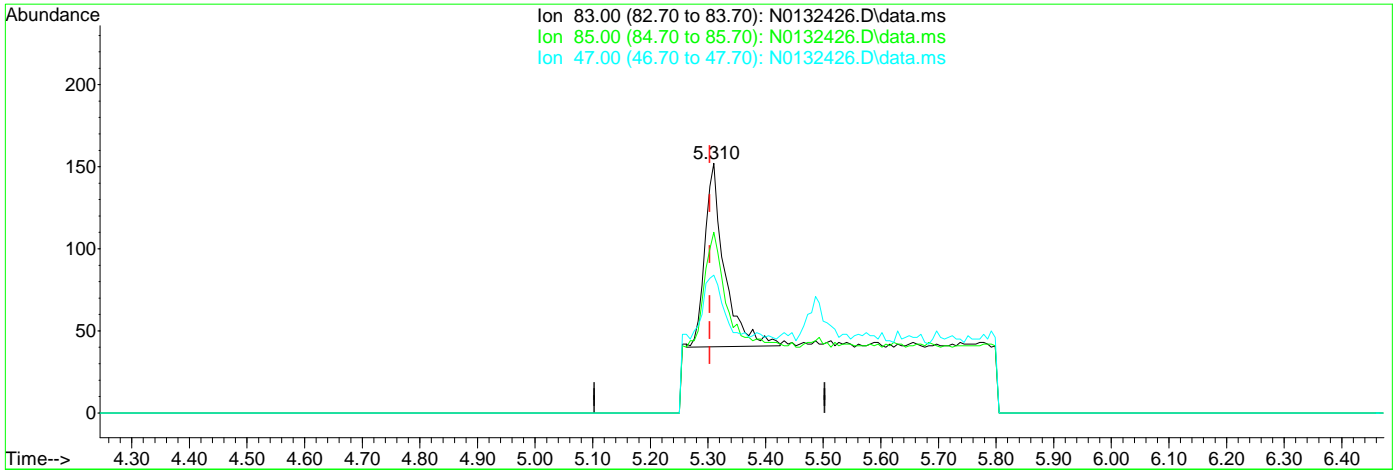
response 807

Ion	Exp%	Act%
83.00	100	100
85.00	66.30	72.37
47.00	32.60	55.26
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\09-04-24\
 Data File : N0132426.D
 Acq On : 4 Sep 2024 8:52 am
 Operator : jeniferw
 Sample : FC18326-25
 Misc : MS57416,VN6714,,,,,
 ALS Vial : 6 Sample Multiplier: 1

Quant Time: Sep 04 10:14:18 2024
 Quant Method : C:\msdchem\1\methods\SIMCL_VN6705_082024.M
 Quant Title : Standard Methods 6200B
 QLast Update : Tue Aug 20 14:01:28 2024
 Response via : Initial Calibration



(9) Chloroform

5.310min (+0.007) 0.14ug/L m

response 265

Ion	Exp%	Act%
83.00	100	100
85.00	66.30	72.37
47.00	32.60	55.26
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\09-04-24\
 Data File : N0132430.D
 Acq On : 4 Sep 2024 10:26 am
 Operator : jeniferw
 Sample : FC18326-26
 Misc : MS57416,VN6714,,,,,
 ALS Vial : 10 Sample Multiplier: 1

Quant Time: Sep 04 11:57:55 2024
 Quant Method : C:\msdchem\1\methods\SIMCL_VN6705_082024.M
 Quant Title : Standard Methods 6200B
 QLast Update : Tue Aug 20 14:01:28 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	Qvalue

Internal Standards							
1) Fluorobenzene	6.341	96	48642	5.00	ug/L	0.00	
18) Chlorobenzene-d5	9.519	117	32501	5.00	ug/L	0.00	
System Monitoring Compounds							
13) 1,2-Dichloroethane-d4	6.045	65	22633	5.41	ug/L	0.00	
Spiked Amount	5.000	Range 74 - 125	Recovery	=	108.20%		
19) Toluene-d8	7.950	98	37063	5.17	ug/L	0.00	
Spiked Amount	5.000	Range 88 - 111	Recovery	=	103.40%		
Target Compounds							
3) Chloromethane	1.982	50	235	0.16	ug/L	98	
5) Methylene Chloride	3.718	49	3263	1.45	ug/L	90	
9) Chloroform	5.310	83	657m	0.36	ug/L		
10) Carbon Tetrachloride	5.473	117	358	0.49	ug/L	92	
15) Trichloroethene	6.548	95	623	0.85	ug/L	98	

(#) = qualifier out of range (m) = manual integration (+) = signals summed

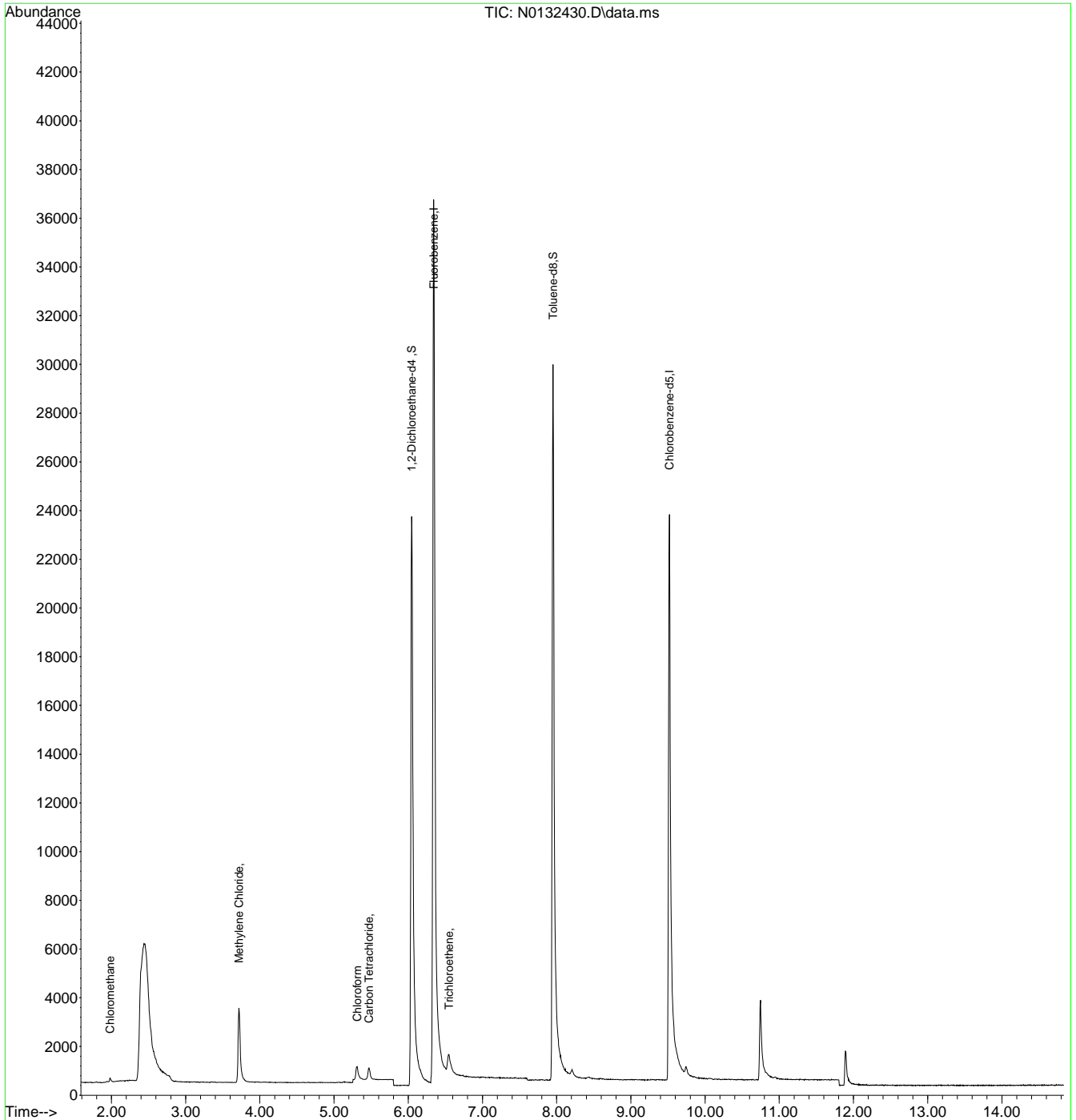
7.1.26
7



Quantitation Report (QT Reviewed)

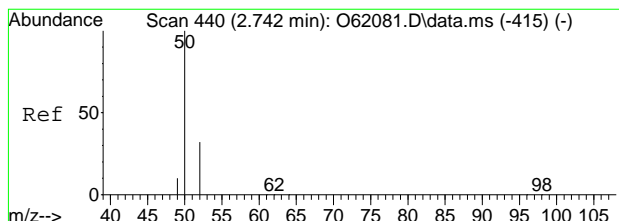
Data Path : C:\msdchem\1\data\09-04-24\
 Data File : N0132430.D
 Acq On : 4 Sep 2024 10:26 am
 Operator : jeniferw
 Sample : FC18326-26
 Misc : MS57416,VN6714,,,,,
 ALS Vial : 10 Sample Multiplier: 1

Quant Time: Sep 04 11:57:55 2024
 Quant Method : C:\msdchem\1\methods\SIMCL_VN6705_082024.M
 Quant Title : Standard Methods 6200B
 QLast Update : Tue Aug 20 14:01:28 2024
 Response via : Initial Calibration



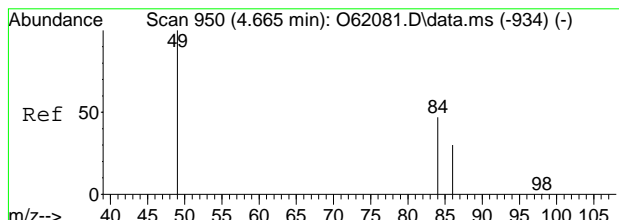
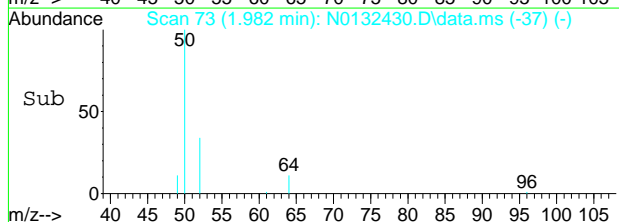
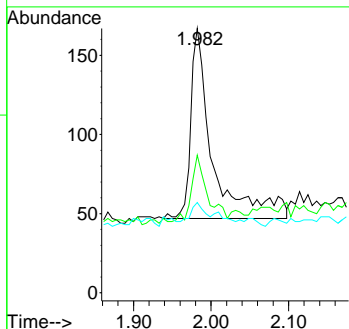
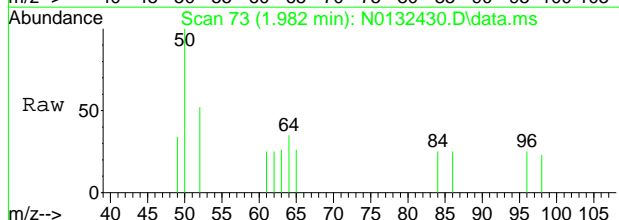
7.1.26
7





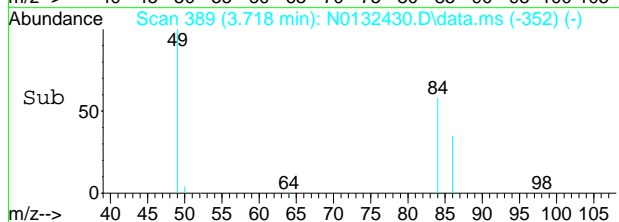
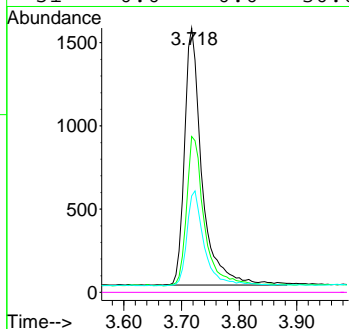
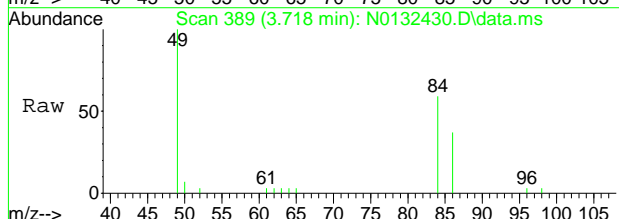
#3
 Chloromethane
 Concen: 0.16 ug/L
 RT: 1.982 min Scan# 73
 Delta R.T. 0.000 min
 Lab File: N0132430.D
 Acq: 4 Sep 2024 10:26 am

Tgt Ion	Resp	Lower	Upper
50	235		
52	33.3	2.1	62.1
49	10.8	0.0	39.6



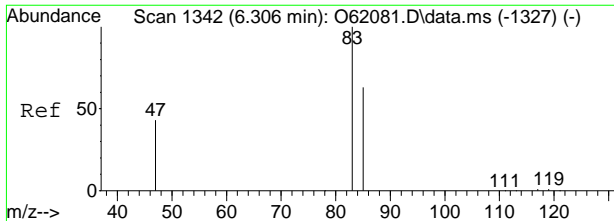
#5
 Methylene Chloride
 Concen: 1.45 ug/L
 RT: 3.718 min Scan# 389
 Delta R.T. 0.006 min
 Lab File: N0132430.D
 Acq: 4 Sep 2024 10:26 am

Tgt Ion	Resp	Lower	Upper
49	3263		
84	58.1	20.0	80.0
86	35.0	0.4	60.4
51	0.0	0.0	30.0



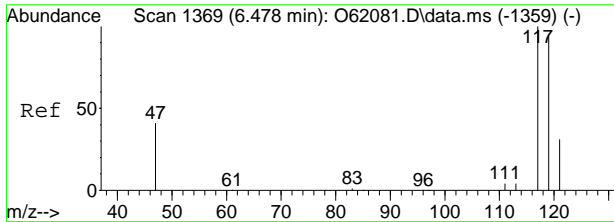
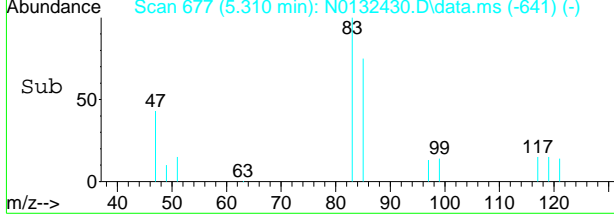
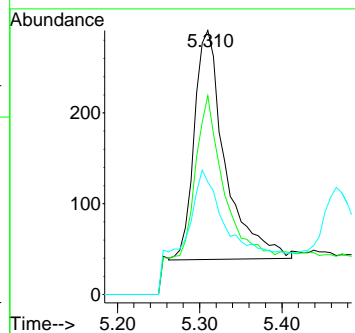
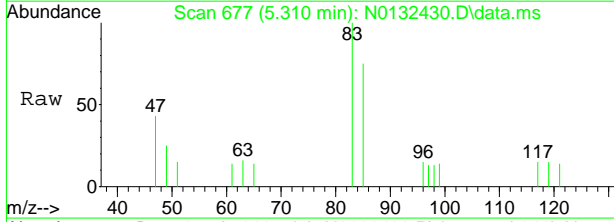
7.1.26

7



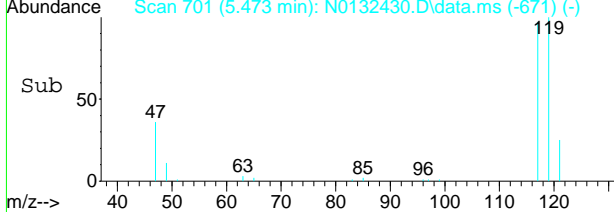
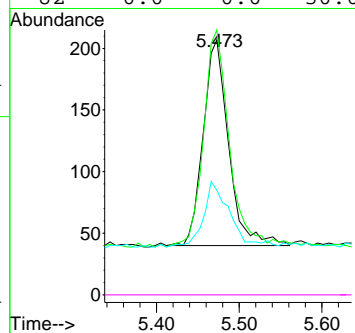
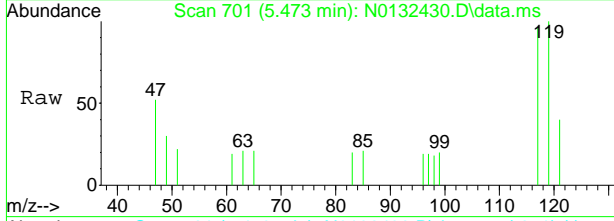
#9
 Chloroform
 Concen: 0.36 ug/L m
 RT: 5.310 min Scan# 677
 Delta R.T. 0.007 min
 Lab File: N0132430.D
 Acq: 4 Sep 2024 10:26 am

Tgt Ion	Resp	Lower	Upper
83	100		
85	75.3	36.3	96.3
47	42.6	2.6	62.6

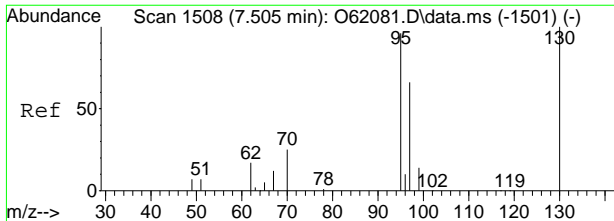


#10
 Carbon Tetrachloride
 Concen: 0.49 ug/L
 RT: 5.473 min Scan# 701
 Delta R.T. 0.007 min
 Lab File: N0132430.D
 Acq: 4 Sep 2024 10:26 am

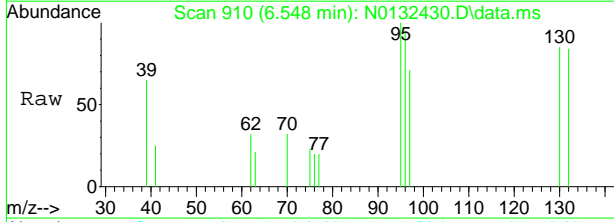
Tgt Ion	Resp	Lower	Upper
117	100		
119	105.4	67.0	127.0
121	27.5	0.5	60.5
82	0.0	0.0	30.0



7.1.26
7

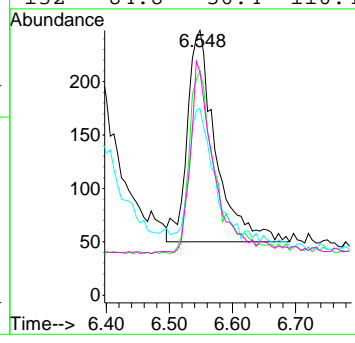
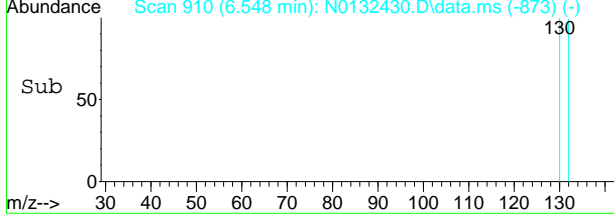


#15
 Trichloroethene
 Concen: 0.85 ug/L
 RT: 6.548 min Scan# 910
 Delta R.T. 0.017 min
 Lab File: N0132430.D
 Acq: 4 Sep 2024 10:26 am



Tgt Ion: 95 Resp: 623

Ion	Ratio	Lower	Upper
95	100		
130	85.9	55.7	115.7
97	65.2	36.4	96.4
132	84.8	50.4	110.4



7.1.26
7



Manual Integration Approval Summary

Sample Number: FC18326-26 **Method:** SW846 8260D BY SIM
Lab FileID: N0132430.D **Analyst approved:** 09/05/24 07:45 Jenifer Willis
Injection Time: 09/04/24 10:26 **Supervisor approved:** 09/05/24 09:09 Karen Watson

Parameter	CAS	Sig#	R.T. (min.)	Reason
Chloroform	67-66-3		5.31	Poorly defined baseline

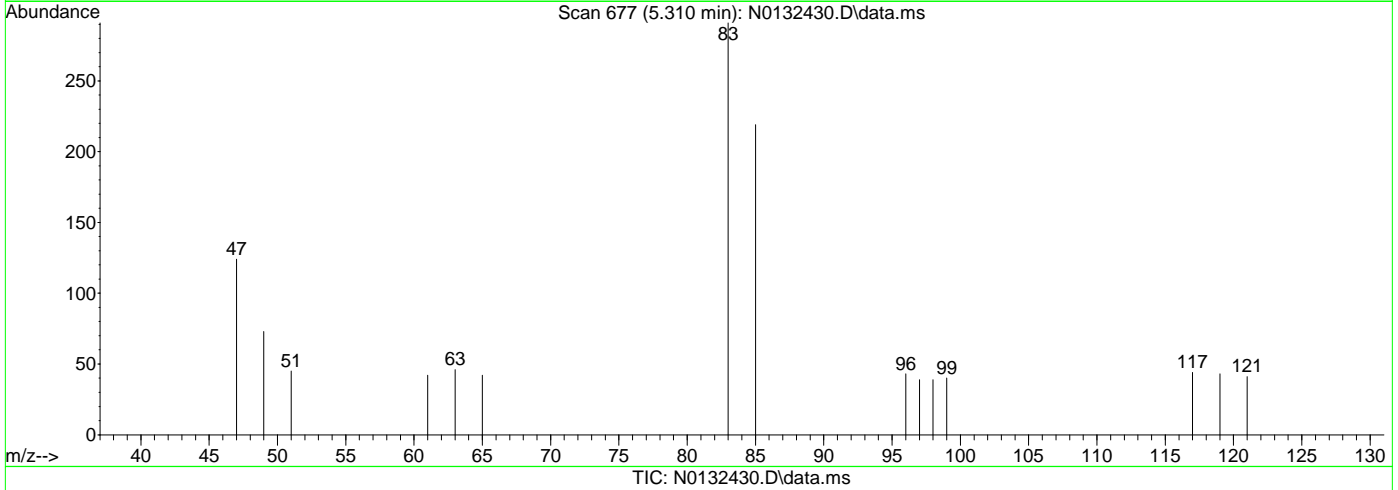
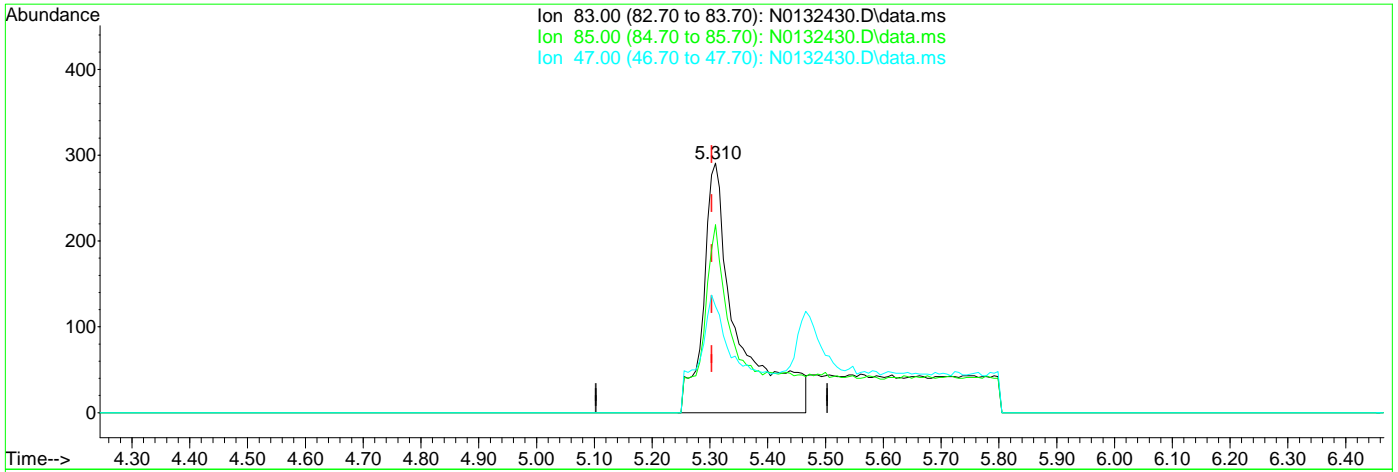
7.1.26.1

7

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\09-04-24\
 Data File : N0132430.D
 Acq On : 4 Sep 2024 10:26 am
 Operator : jeniferw
 Sample : FC18326-26
 Misc : MS57416,VN6714,,,,,
 ALS Vial : 10 Sample Multiplier: 1

Quant Time: Sep 04 11:56:34 2024
 Quant Method : C:\msdchem\1\methods\SIMCL_VN6705_082024.M
 Quant Title : Standard Methods 6200B
 QLast Update : Tue Aug 20 14:01:28 2024
 Response via : Initial Calibration



(9) Chloroform
 5.310min (+0.007) 0.64ug/L

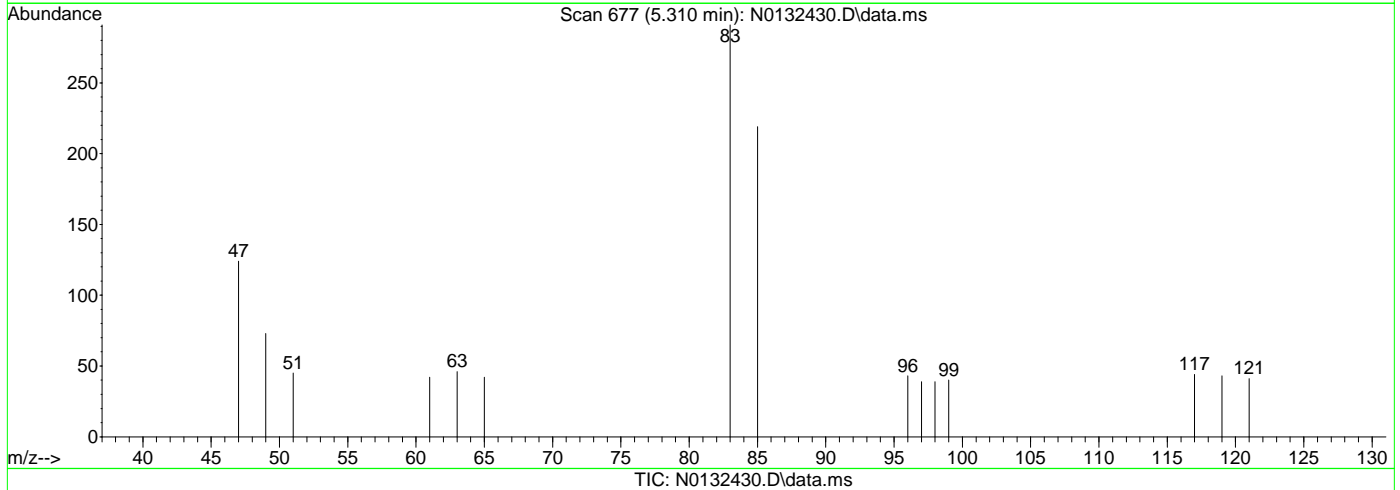
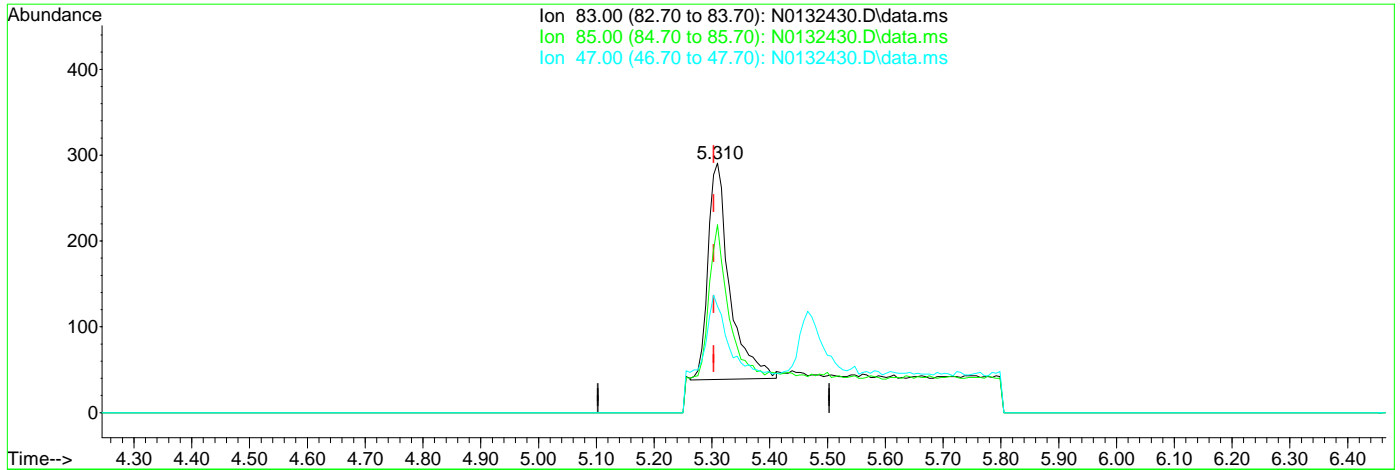
response 1177

Ion	Exp%	Act%
83.00	100	100
85.00	66.30	75.26
47.00	32.60	42.61
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\09-04-24\
 Data File : N0132430.D
 Acq On : 4 Sep 2024 10:26 am
 Operator : jeniferw
 Sample : FC18326-26
 Misc : MS57416,VN6714,,,,,
 ALS Vial : 10 Sample Multiplier: 1

Quant Time: Sep 04 11:56:34 2024
 Quant Method : C:\msdchem\1\methods\SIMCL_VN6705_082024.M
 Quant Title : Standard Methods 6200B
 QLast Update : Tue Aug 20 14:01:28 2024
 Response via : Initial Calibration



(9) Chloroform
 5.310min (+0.007) 0.36ug/L m

response 657

Ion	Exp%	Act%
83.00	100	100
85.00	66.30	75.26
47.00	32.60	42.61
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\09-04-24\
 Data File : N0132431.D
 Acq On : 4 Sep 2024 10:49 am
 Operator : jeniferw
 Sample : FC18326-27
 Misc : MS57416,VN6714,,,,,
 ALS Vial : 11 Sample Multiplier: 1

Quant Time: Sep 04 11:58:13 2024
 Quant Method : C:\msdchem\1\methods\SIMCL_VN6705_082024.M
 Quant Title : Standard Methods 6200B
 QLast Update : Tue Aug 20 14:01:28 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Fluorobenzene	6.341	96	49245	5.00	ug/L	0.00
18) Chlorobenzene-d5	9.519	117	32840	5.00	ug/L	0.00
System Monitoring Compounds						
13) 1,2-Dichloroethane-d4	6.045	65	23086	5.45	ug/L	0.00
Spiked Amount	5.000	Range 74 - 125	Recovery	=	109.00%	
19) Toluene-d8	7.951	98	37790	5.21	ug/L	0.00
Spiked Amount	5.000	Range 88 - 111	Recovery	=	104.20%	
Target Compounds						
3) Chloromethane	1.982	50	248	0.17	ug/L	94
5) Methylene Chloride	3.718	49	3093	1.36	ug/L	90
8) cis-1,2-Dichloroethene	5.053	96	215	0.30	ug/L	94
15) Trichloroethene	6.549	95	638	0.86	ug/L	97

(#) = qualifier out of range (m) = manual integration (+) = signals summed

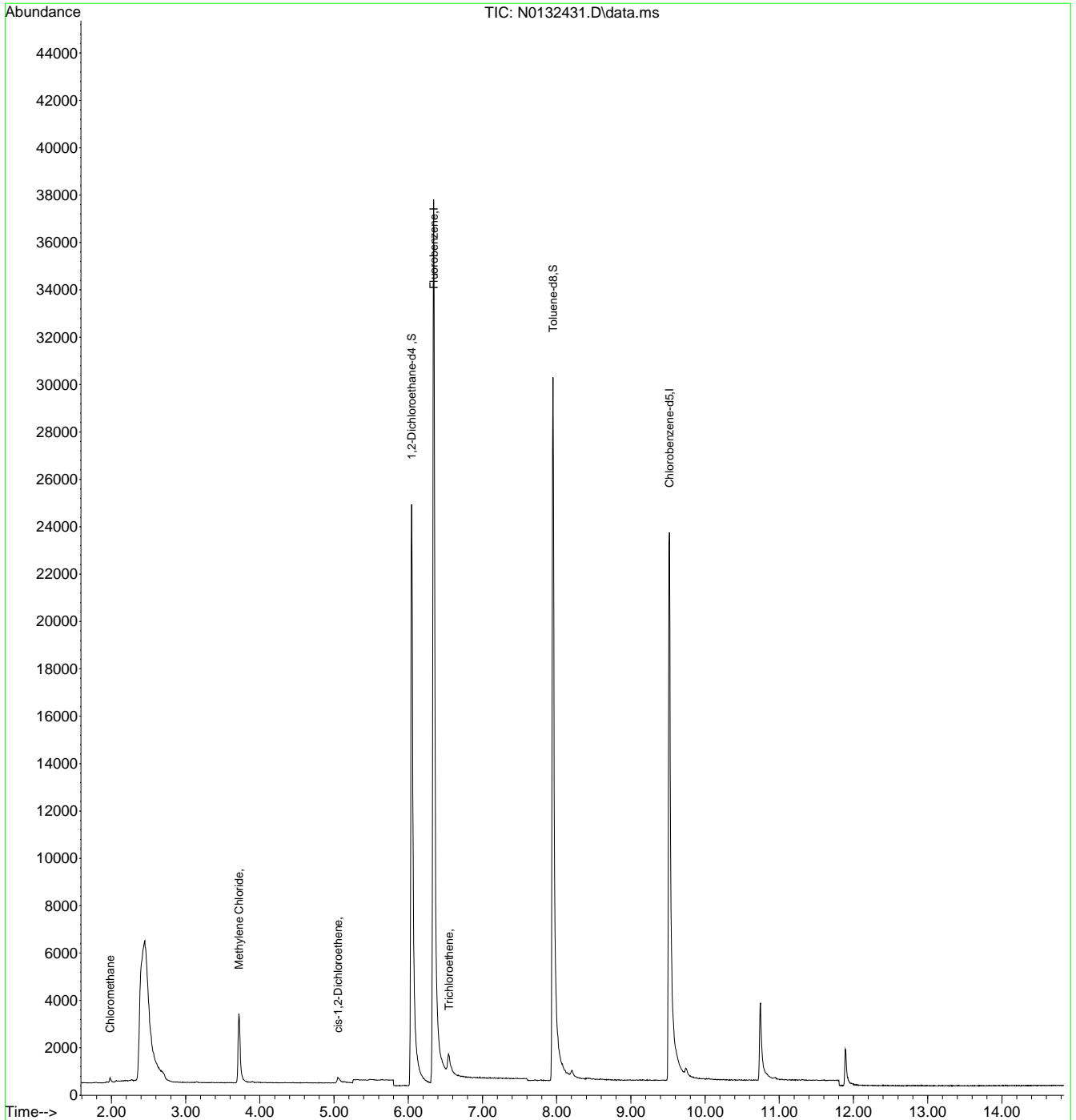
7.1.27
7



Quantitation Report (QT Reviewed)

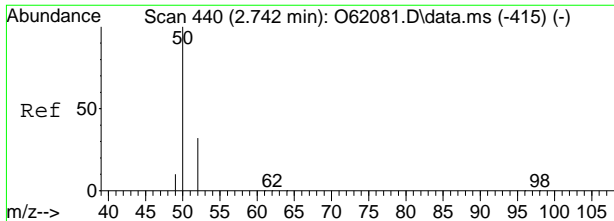
Data Path : C:\msdchem\1\data\09-04-24\
 Data File : N0132431.D
 Acq On : 4 Sep 2024 10:49 am
 Operator : jeniferw
 Sample : FC18326-27
 Misc : MS57416,VN6714,,,,,
 ALS Vial : 11 Sample Multiplier: 1

Quant Time: Sep 04 11:58:13 2024
 Quant Method : C:\msdchem\1\methods\SIMCL_VN6705_082024.M
 Quant Title : Standard Methods 6200B
 QLast Update : Tue Aug 20 14:01:28 2024
 Response via : Initial Calibration



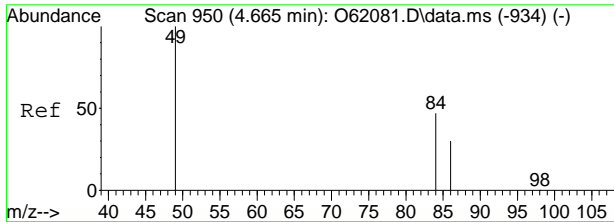
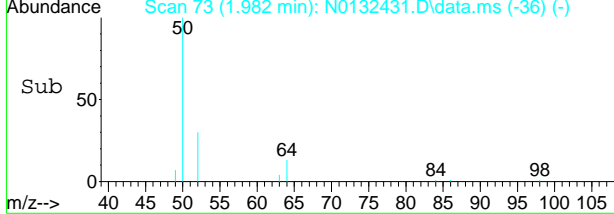
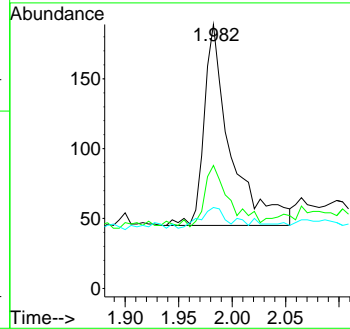
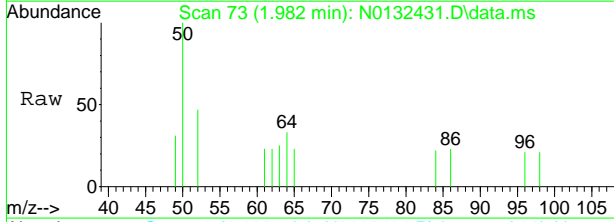
7.1.27
7





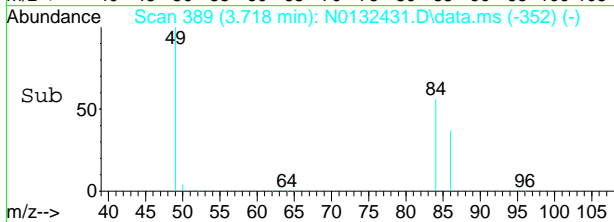
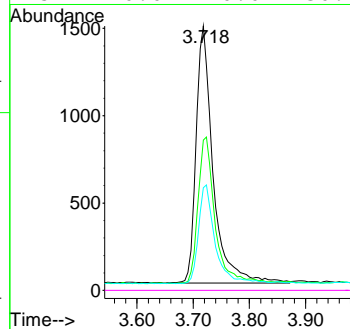
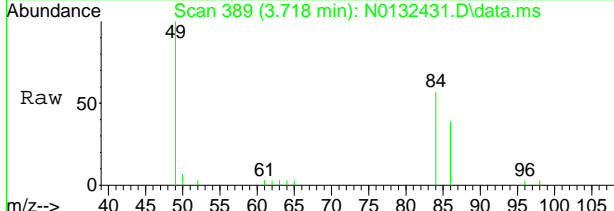
#3
 Chloromethane
 Concen: 0.17 ug/L
 RT: 1.982 min Scan# 73
 Delta R.T. 0.000 min
 Lab File: N0132431.D
 Acq: 4 Sep 2024 10:49 am

Tgt Ion	Resp	Lower	Upper
50	248		
52	27.8	2.1	62.1
49	10.4	0.0	39.6

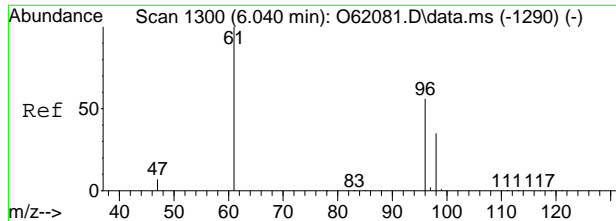


#5
 Methylene Chloride
 Concen: 1.36 ug/L
 RT: 3.718 min Scan# 389
 Delta R.T. 0.006 min
 Lab File: N0132431.D
 Acq: 4 Sep 2024 10:49 am

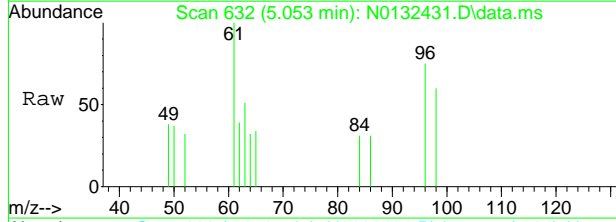
Tgt Ion	Resp	Lower	Upper
49	3093		
49	100		
84	55.7	20.0	80.0
86	37.2	0.4	60.4
51	0.0	0.0	30.0



7.1.27
7

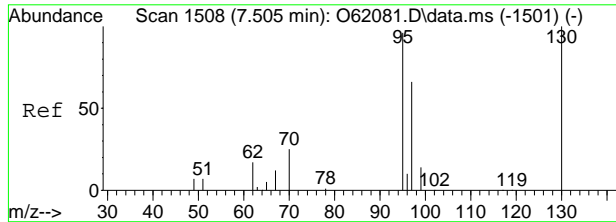
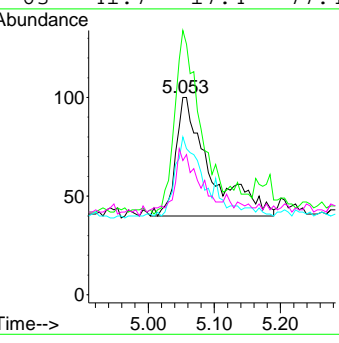
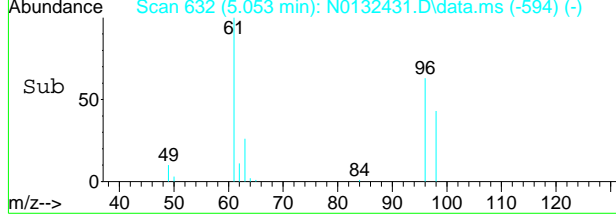


#8
 cis-1,2-Dichloroethene
 Concen: 0.30 ug/L
 RT: 5.053 min Scan# 632
 Delta R.T. 0.011 min
 Lab File: N0132431.D
 Acq: 4 Sep 2024 10:49 am

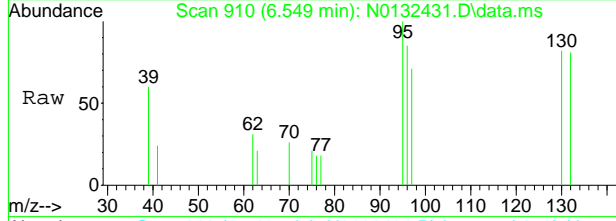


Tgt Ion: 96 Resp: 215

Ion	Ratio	Lower	Upper
96	100		
61	151.7	113.6	173.6
98	66.7	35.4	95.4
63	41.7	17.4	77.4

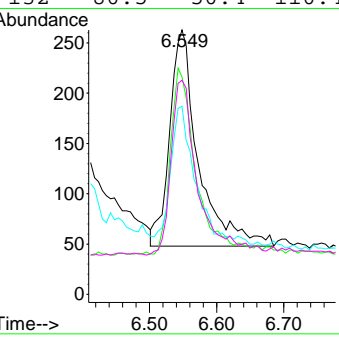
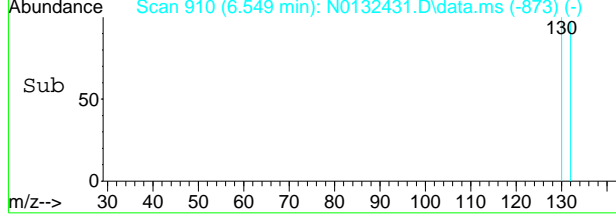


#15
 Trichloroethene
 Concen: 0.86 ug/L
 RT: 6.549 min Scan# 910
 Delta R.T. 0.018 min
 Lab File: N0132431.D
 Acq: 4 Sep 2024 10:49 am



Tgt Ion: 95 Resp: 638

Ion	Ratio	Lower	Upper
95	100		
130	81.9	55.7	115.7
97	62.3	36.4	96.4
132	80.5	50.4	110.4



7.1.27
7



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\09-04-24\
 Data File : N0132432.D
 Acq On : 4 Sep 2024 11:12 am
 Operator : jeniferw
 Sample : FC18326-28
 Misc : MS57416,VN6714,,,,,
 ALS Vial : 12 Sample Multiplier: 1

Quant Time: Sep 04 11:58:44 2024
 Quant Method : C:\msdchem\1\methods\SIMCL_VN6705_082024.M
 Quant Title : Standard Methods 6200B
 QLast Update : Tue Aug 20 14:01:28 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	Qvalue

Internal Standards							
1) Fluorobenzene	6.341	96	48589	5.00	ug/L	0.00	
18) Chlorobenzene-d5	9.519	117	32625	5.00	ug/L	0.00	
System Monitoring Compounds							
13) 1,2-Dichloroethane-d4	6.045	65	22852	5.47	ug/L	0.00	
Spiked Amount	5.000	Range 74 - 125	Recovery	=	109.40%		
19) Toluene-d8	7.951	98	37479	5.21	ug/L	0.00	
Spiked Amount	5.000	Range 88 - 111	Recovery	=	104.20%		
Target Compounds							
3) Chloromethane	1.982	50	243	0.17	ug/L		97
5) Methylene Chloride	3.718	49	3194	1.42	ug/L		90
9) Chloroform	5.303	83	206m	0.11	ug/L		

(#) = qualifier out of range (m) = manual integration (+) = signals summed

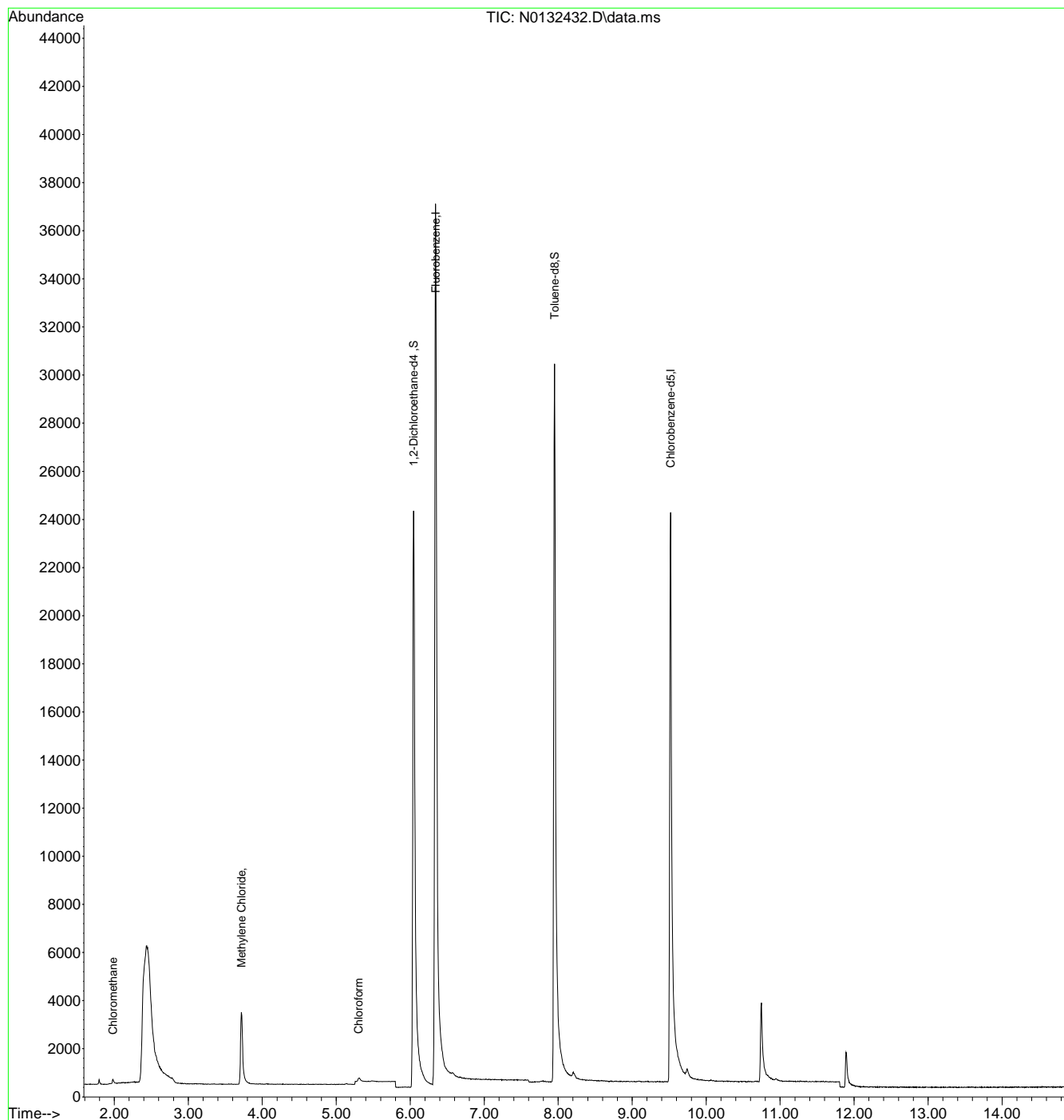
7.1.28
7



Quantitation Report (QT Reviewed)

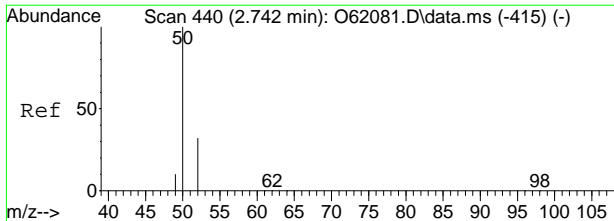
Data Path : C:\msdchem\1\data\09-04-24\
 Data File : N0132432.D
 Acq On : 4 Sep 2024 11:12 am
 Operator : jeniferw
 Sample : FC18326-28
 Misc : MS57416,VN6714,,,,,
 ALS Vial : 12 Sample Multiplier: 1

Quant Time: Sep 04 11:58:44 2024
 Quant Method : C:\msdchem\1\methods\SIMCL_VN6705_082024.M
 Quant Title : Standard Methods 6200B
 QLast Update : Tue Aug 20 14:01:28 2024
 Response via : Initial Calibration



7.1.28
7

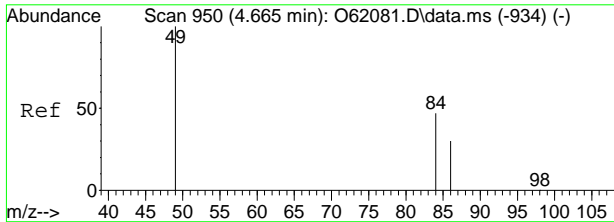
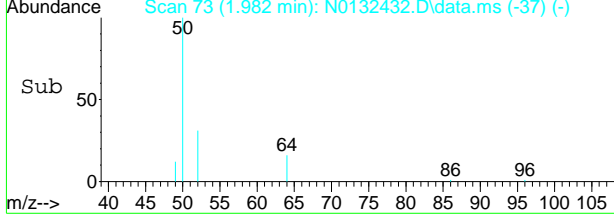
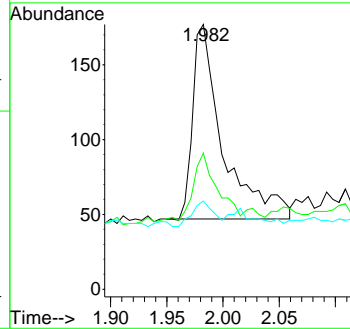
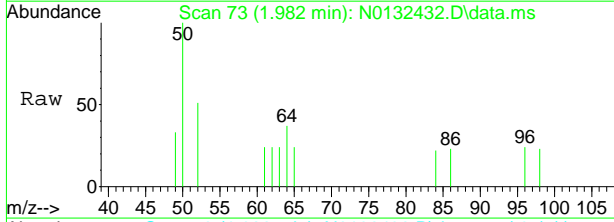




#3
 Chloromethane
 Concen: 0.17 ug/L
 RT: 1.982 min Scan# 73
 Delta R.T. 0.000 min
 Lab File: N0132432.D
 Acq: 4 Sep 2024 11:12 am

Tgt Ion: 50 Resp: 243

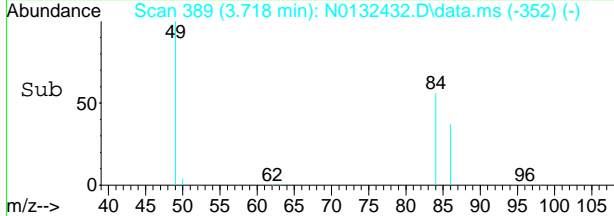
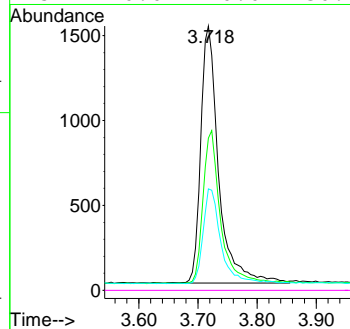
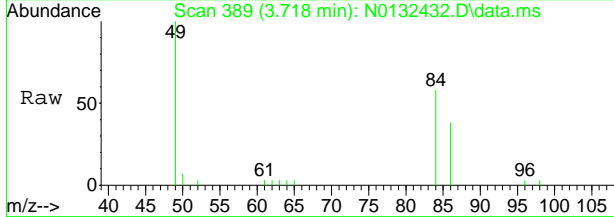
Ion	Ratio	Lower	Upper
50	100		
52	33.8	2.1	62.1
49	10.8	0.0	39.6



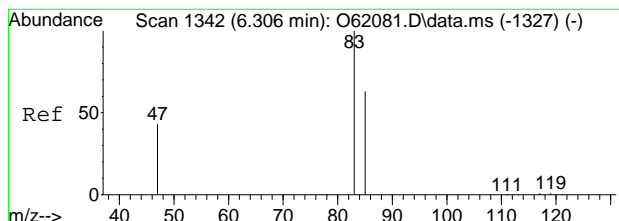
#5
 Methylene Chloride
 Concen: 1.42 ug/L
 RT: 3.718 min Scan# 389
 Delta R.T. 0.006 min
 Lab File: N0132432.D
 Acq: 4 Sep 2024 11:12 am

Tgt Ion: 49 Resp: 3194

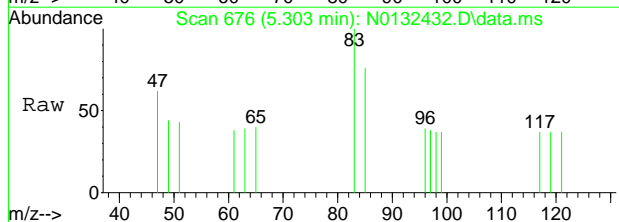
Ion	Ratio	Lower	Upper
49	100		
84	56.3	20.0	80.0
86	36.8	0.4	60.4
51	0.0	0.0	30.0



7.1.28
7

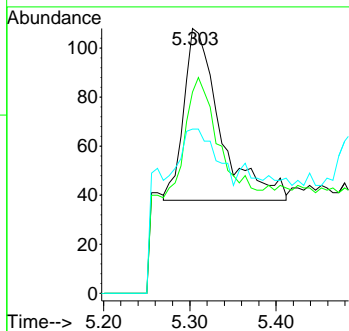
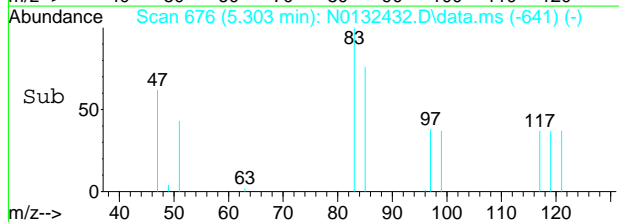


#9
 Chloroform
 Concen: 0.11 ug/L m
 RT: 5.303 min Scan# 676
 Delta R.T. 0.000 min
 Lab File: N0132432.D
 Acq: 4 Sep 2024 11:12 am



Tgt Ion: 83 Resp: 206

Ion	Ratio	Lower	Upper
83	100		
85	75.9	36.3	96.3
47	62.0	2.6	62.6



7.1.28
7

Manual Integration Approval Summary

Sample Number: FC18326-28 **Method:** SW846 8260D BY SIM
Lab FileID: N0132432.D **Analyst approved:** 09/05/24 07:45 Jenifer Willis
Injection Time: 09/04/24 11:12 **Supervisor approved:** 09/05/24 09:09 Karen Watson

Parameter	CAS	Sig#	R.T. (min.)	Reason
Chloroform	67-66-3		5.30	Poorly defined baseline

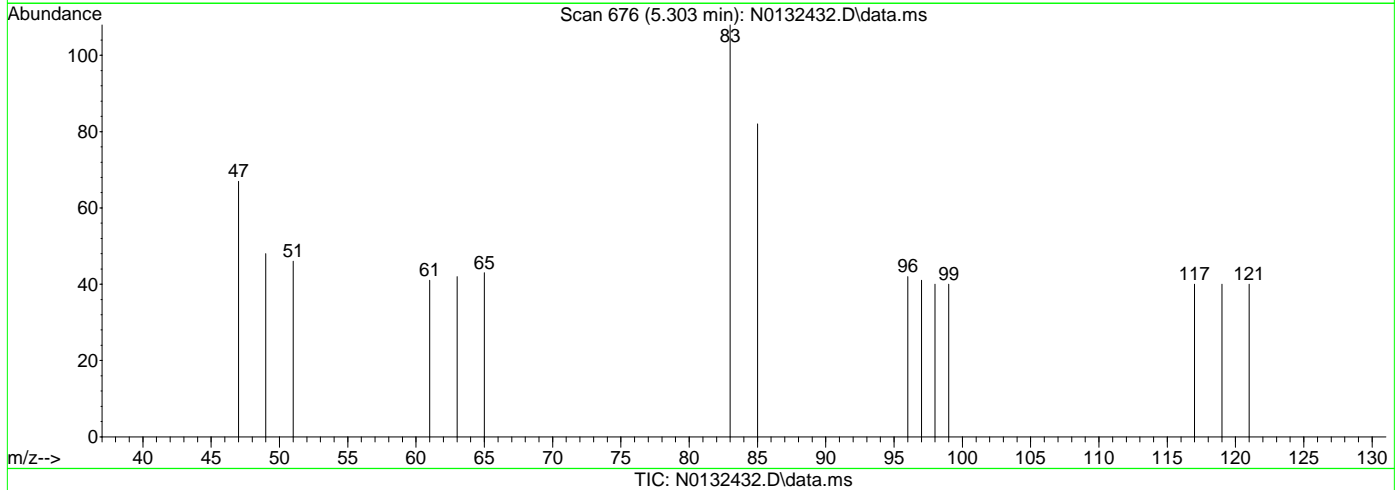
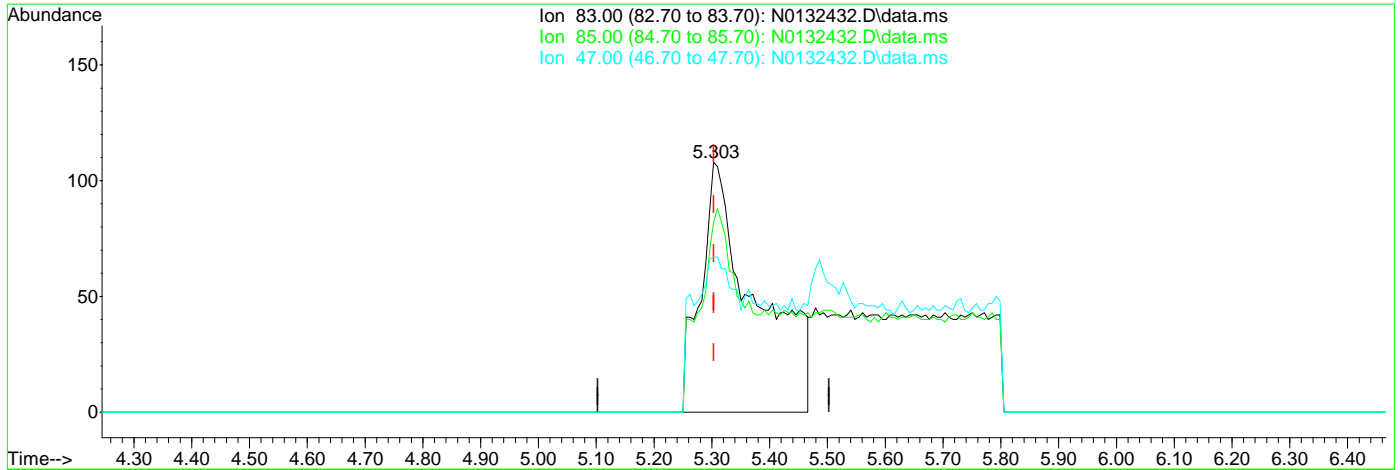
7.1.28.1

7

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\09-04-24\
 Data File : N0132432.D
 Acq On : 4 Sep 2024 11:12 am
 Operator : jeniferw
 Sample : FC18326-28
 Misc : MS57416,VN6714,,,,,
 ALS Vial : 12 Sample Multiplier: 1

Quant Time: Sep 04 11:56:38 2024
 Quant Method : C:\msdchem\1\methods\SIMCL_VN6705_082024.M
 Quant Title : Standard Methods 6200B
 QLast Update : Tue Aug 20 14:01:28 2024
 Response via : Initial Calibration



(9) Chloroform
 5.303min (+0.000) 0.39ug/L

response 712

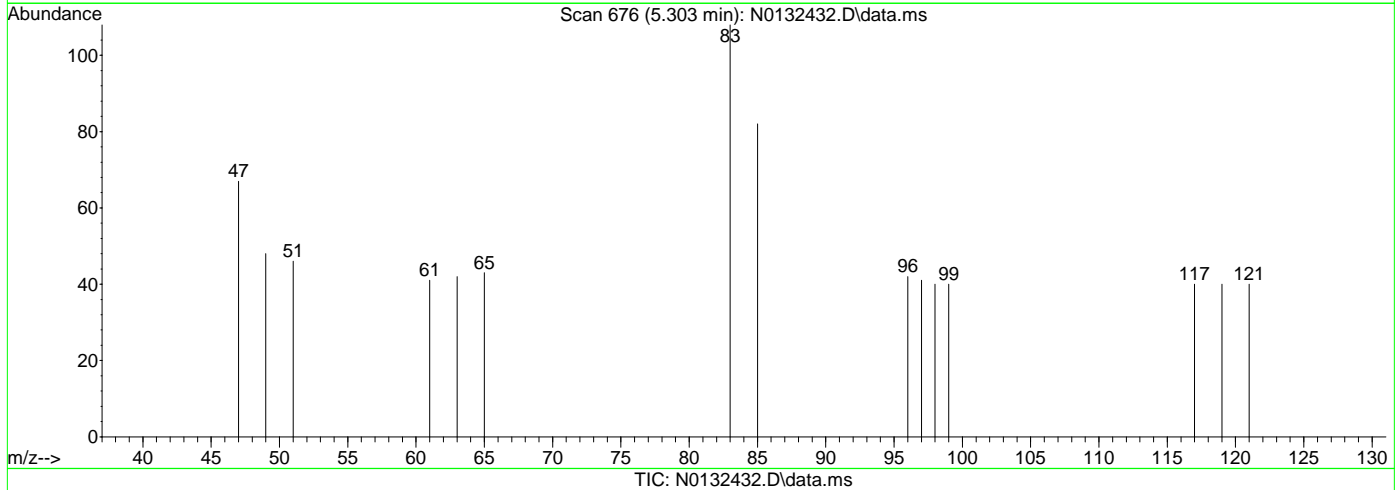
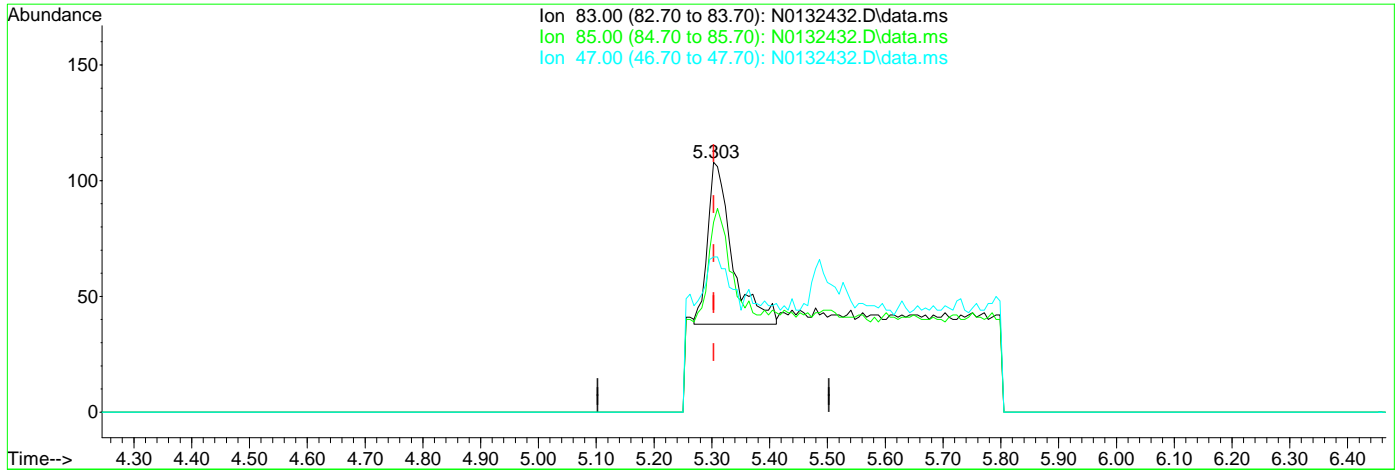
Ion	Exp%	Act%
83.00	100	100
85.00	66.30	75.93
47.00	32.60	62.04
0.00	0.00	0.00

7.1.28.2
7

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\09-04-24\
 Data File : N0132432.D
 Acq On : 4 Sep 2024 11:12 am
 Operator : jeniferw
 Sample : FC18326-28
 Misc : MS57416,VN6714,,,,,
 ALS Vial : 12 Sample Multiplier: 1

Quant Time: Sep 04 11:56:38 2024
 Quant Method : C:\msdchem\1\methods\SIMCL_VN6705_082024.M
 Quant Title : Standard Methods 6200B
 QLast Update : Tue Aug 20 14:01:28 2024
 Response via : Initial Calibration



(9) Chloroform

5.303min (+0.000) 0.11ug/L m

response 206

Ion	Exp%	Act%
83.00	100	100
85.00	66.30	75.93
47.00	32.60	62.04
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\09-04-24\
 Data File : N0132433.D
 Acq On : 4 Sep 2024 11:35 am
 Operator : jeniferw
 Sample : FC18326-29
 Misc : MS57416,VN6714,,,,,
 ALS Vial : 13 Sample Multiplier: 1

Quant Time: Sep 04 11:59:12 2024
 Quant Method : C:\msdchem\1\methods\SIMCL_VN6705_082024.M
 Quant Title : Standard Methods 6200B
 QLast Update : Tue Aug 20 14:01:28 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	

Internal Standards							
1) Fluorobenzene	6.341	96	47745	5.00	ug/L	0.00	
18) Chlorobenzene-d5	9.519	117	32071	5.00	ug/L	0.00	
System Monitoring Compounds							
13) 1,2-Dichloroethane-d4	6.045	65	22605	5.50	ug/L	0.00	
Spiked Amount	5.000	Range	74 - 125	Recovery	=	110.00%	
19) Toluene-d8	7.951	98	36719	5.19	ug/L	0.00	
Spiked Amount	5.000	Range	88 - 111	Recovery	=	103.80%	
Target Compounds							
							Qvalue
3) Chloromethane	1.982	50	210	0.15	ug/L		93
5) Methylene Chloride	3.718	49	3199	1.45	ug/L		88
8) cis-1,2-Dichloroethene	5.052	96	72	0.10	ug/L		83
10) Carbon Tetrachloride	5.473	117	79	0.11	ug/L		93
15) Trichloroethene	6.543	95	701	0.98	ug/L		96

(#) = qualifier out of range (m) = manual integration (+) = signals summed

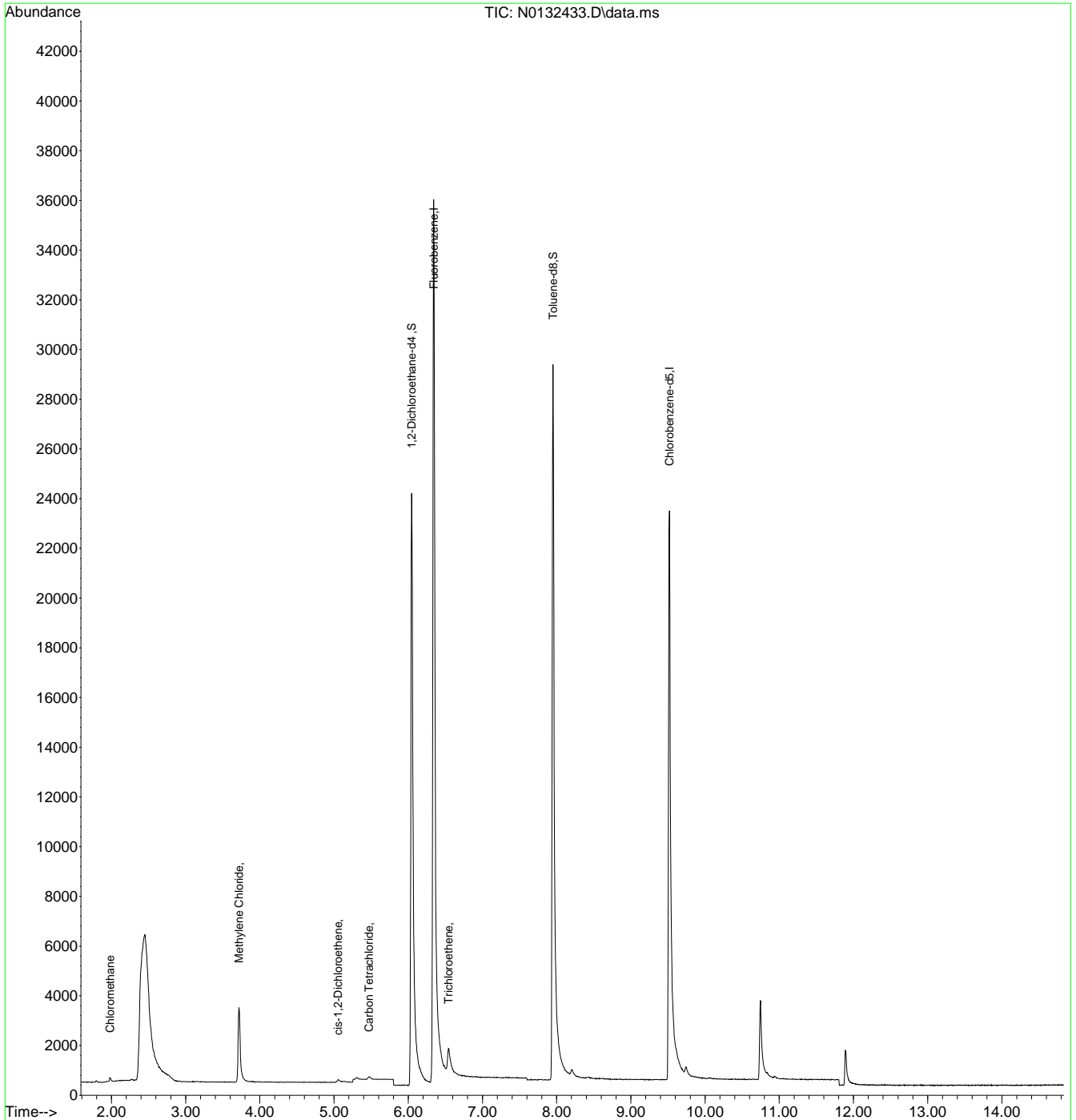
7.1.29
7



Quantitation Report (QT Reviewed)

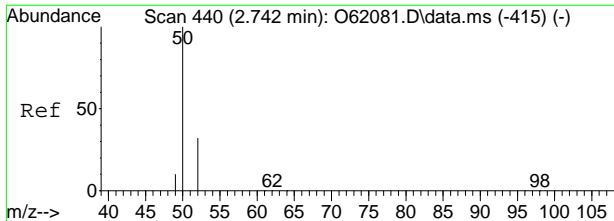
Data Path : C:\msdchem\1\data\09-04-24\
 Data File : N0132433.D
 Acq On : 4 Sep 2024 11:35 am
 Operator : jeniferw
 Sample : FC18326-29
 Misc : MS57416,VN6714,,,,,
 ALS Vial : 13 Sample Multiplier: 1

Quant Time: Sep 04 11:59:12 2024
 Quant Method : C:\msdchem\1\methods\SIMCL_VN6705_082024.M
 Quant Title : Standard Methods 6200B
 QLast Update : Tue Aug 20 14:01:28 2024
 Response via : Initial Calibration



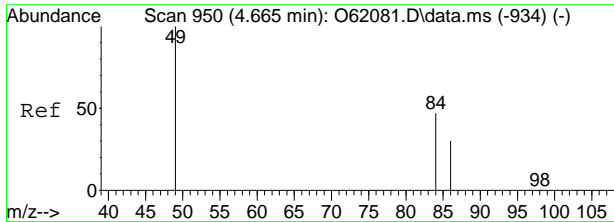
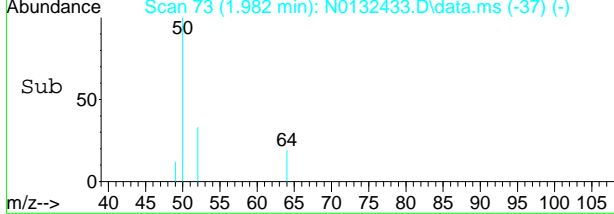
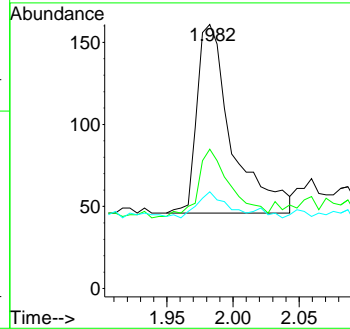
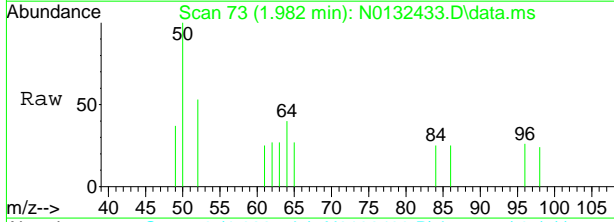
7.1.29
7





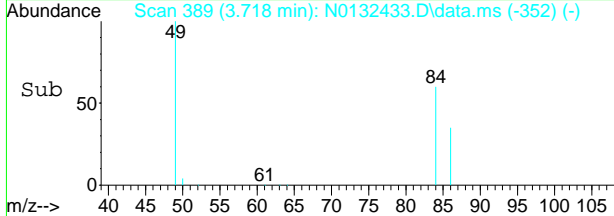
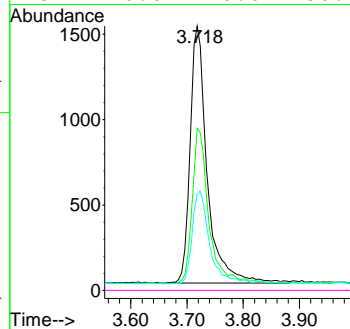
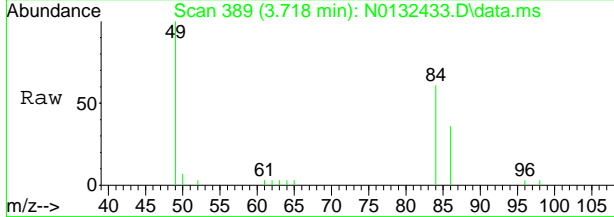
#3
 Chloromethane
 Concen: 0.15 ug/L
 RT: 1.982 min Scan# 73
 Delta R.T. 0.000 min
 Lab File: N0132433.D
 Acq: 4 Sep 2024 11:35 am

Tgt Ion	Ratio	Lower	Upper
50	100		
52	35.7	2.1	62.1
49	13.0	0.0	39.6

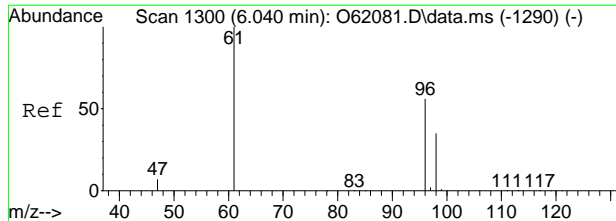


#5
 Methylene Chloride
 Concen: 1.45 ug/L
 RT: 3.718 min Scan# 389
 Delta R.T. 0.006 min
 Lab File: N0132433.D
 Acq: 4 Sep 2024 11:35 am

Tgt Ion	Ratio	Lower	Upper
49	100		
84	60.4	20.0	80.0
86	34.8	0.4	60.4
51	0.0	0.0	30.0

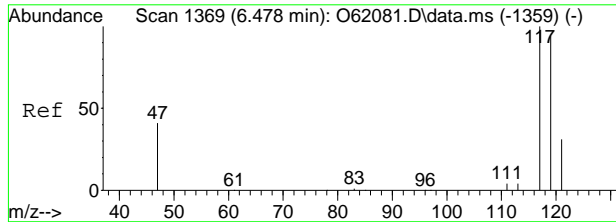
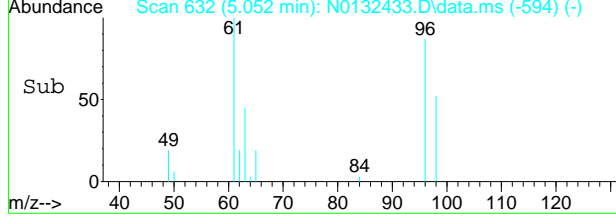
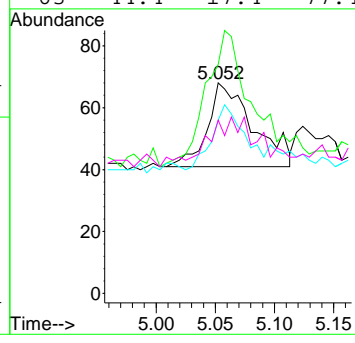
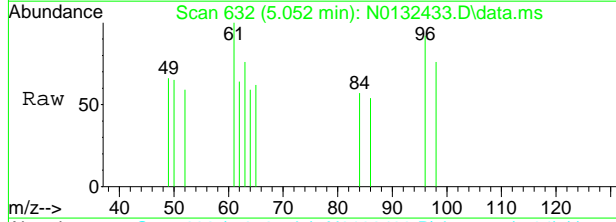


7.1.29
7



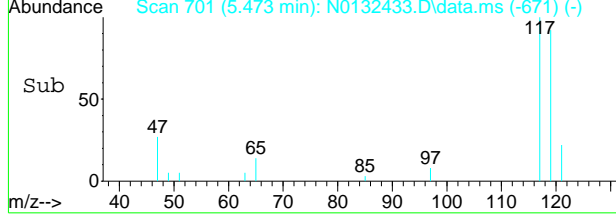
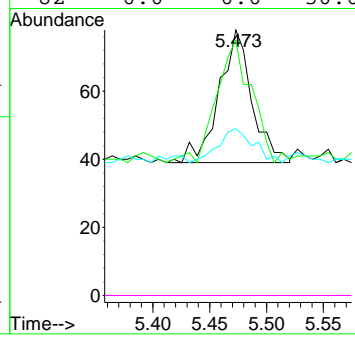
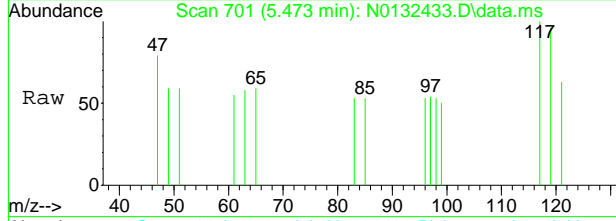
#8
 cis-1,2-Dichloroethene
 Concen: 0.10 ug/L
 RT: 5.052 min Scan# 632
 Delta R.T. 0.010 min
 Lab File: N0132433.D
 Acq: 4 Sep 2024 11:35 am

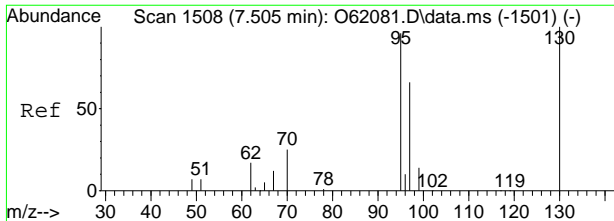
Tgt Ion	Resp	Lower	Upper
96	72		
61	118.5	113.6	173.6
98	51.9	35.4	95.4
63	44.4	17.4	77.4



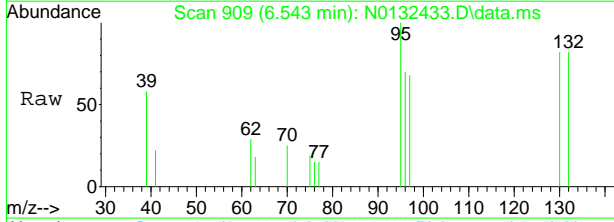
#10
 Carbon Tetrachloride
 Concen: 0.11 ug/L
 RT: 5.473 min Scan# 701
 Delta R.T. 0.007 min
 Lab File: N0132433.D
 Acq: 4 Sep 2024 11:35 am

Tgt Ion	Resp	Lower	Upper
117	79		
119	92.3	67.0	127.0
121	23.1	0.5	60.5
82	0.0	0.0	30.0



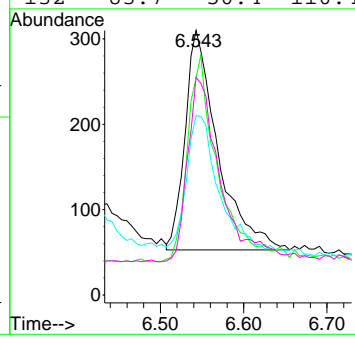
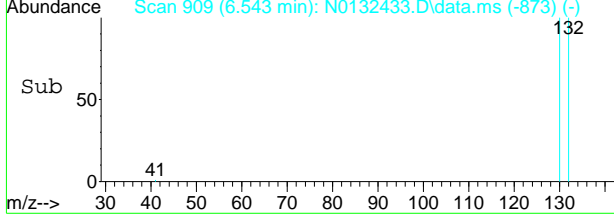


#15
 Trichloroethene
 Concen: 0.98 ug/L
 RT: 6.543 min Scan# 909
 Delta R.T. 0.012 min
 Lab File: N0132433.D
 Acq: 4 Sep 2024 11:35 am



Tgt Ion: 95 Resp: 701

Ion	Ratio	Lower	Upper
95	100		
130	82.5	55.7	115.7
97	61.1	36.4	96.4
132	83.7	50.4	110.4



7.1.29
7

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\09-04-24\
 Data File : N0132434.D
 Acq On : 4 Sep 2024 11:59 am
 Operator : jeniferw
 Sample : FC18326-30
 Misc : MS57416,VN6714,,,,,
 ALS Vial : 14 Sample Multiplier: 1

Quant Time: Sep 04 12:36:41 2024
 Quant Method : C:\msdchem\1\methods\SIMCL_VN6705_082024.M
 Quant Title : Standard Methods 6200B
 QLast Update : Tue Aug 20 14:01:28 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	Qvalue

Internal Standards							
1) Fluorobenzene	6.341	96	47917	5.00	ug/L	0.00	
18) Chlorobenzene-d5	9.519	117	32052	5.00	ug/L	0.00	
System Monitoring Compounds							
13) 1,2-Dichloroethane-d4	6.045	65	22559	5.47	ug/L	0.00	
Spiked Amount	5.000	Range 74 - 125	Recovery	=	109.40%		
19) Toluene-d8	7.951	98	36594	5.17	ug/L	0.00	
Spiked Amount	5.000	Range 88 - 111	Recovery	=	103.40%		
Target Compounds							
3) Chloromethane	1.982	50	296	0.21	ug/L	92	
5) Methylene Chloride	3.718	49	3160	1.43	ug/L	92	
9) Chloroform	5.303	83	325m	0.18	ug/L		

(#) = qualifier out of range (m) = manual integration (+) = signals summed

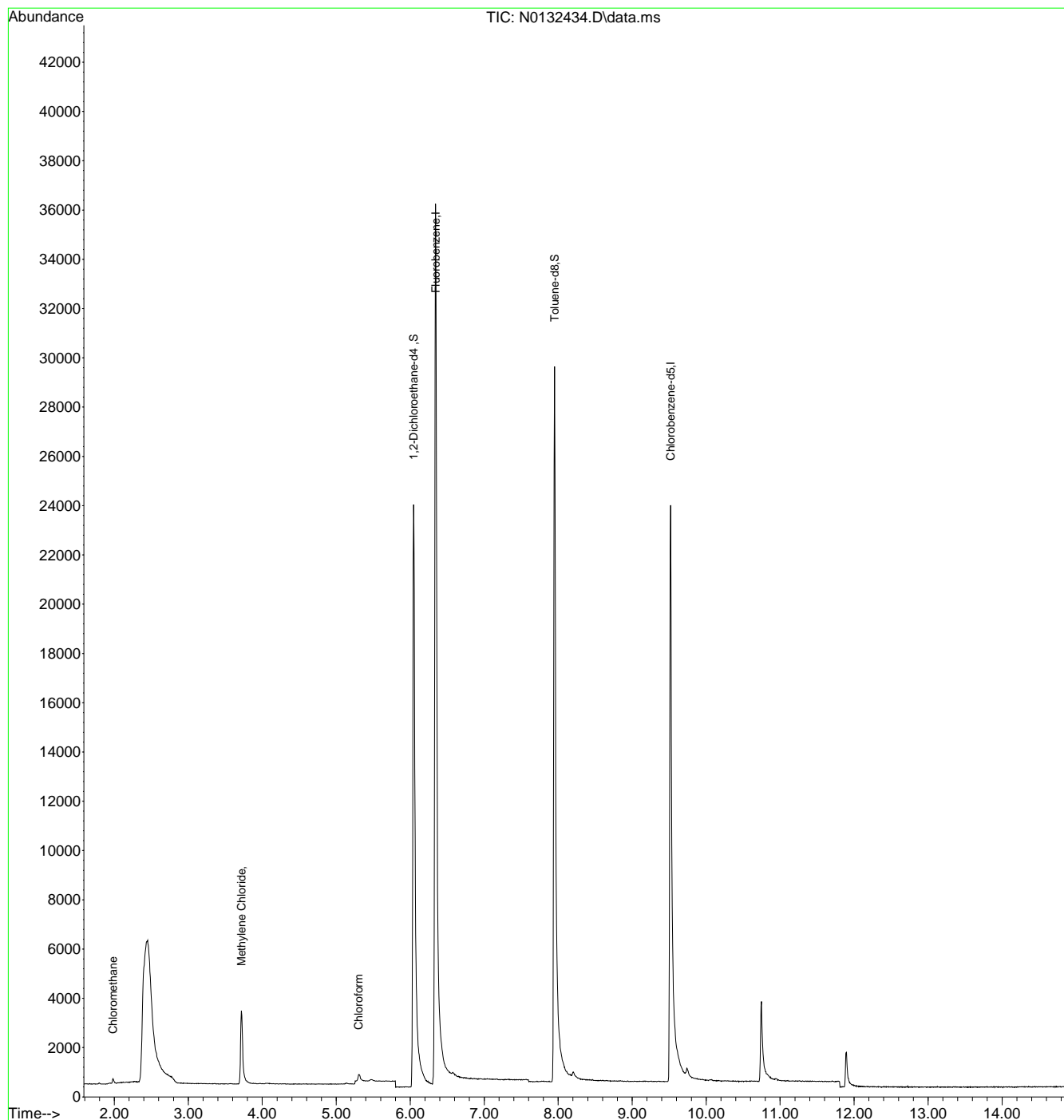
7.1.30
7



Quantitation Report (QT Reviewed)

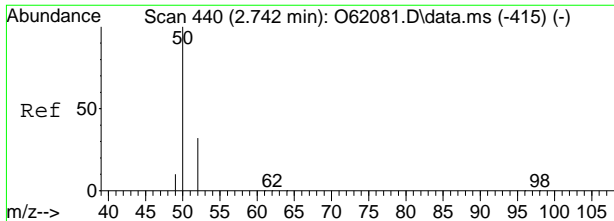
Data Path : C:\msdchem\1\data\09-04-24\
Data File : N0132434.D
Acq On : 4 Sep 2024 11:59 am
Operator : jeniferw
Sample : FC18326-30
Misc : MS57416,VN6714,,,,,
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Sep 04 12:36:41 2024
Quant Method : C:\msdchem\1\methods\SIMCL_VN6705_082024.M
Quant Title : Standard Methods 6200B
QLast Update : Tue Aug 20 14:01:28 2024
Response via : Initial Calibration



7.1.30
7

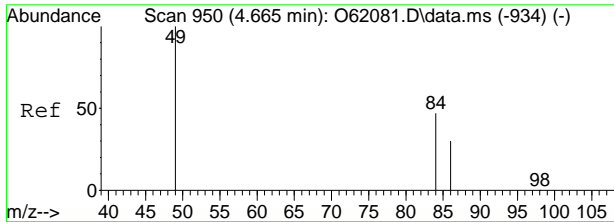
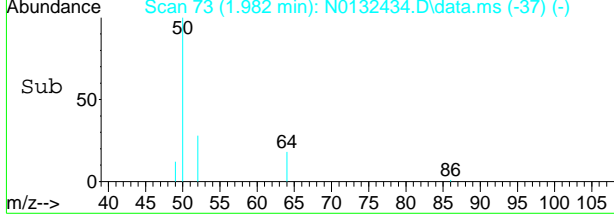
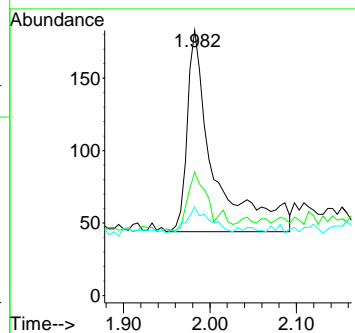
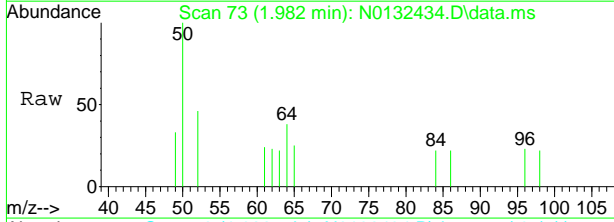




#3
 Chloromethane
 Concen: 0.21 ug/L
 RT: 1.982 min Scan# 73
 Delta R.T. 0.000 min
 Lab File: N0132434.D
 Acq: 4 Sep 2024 11:59 am

Tgt Ion: 50 Resp: 296

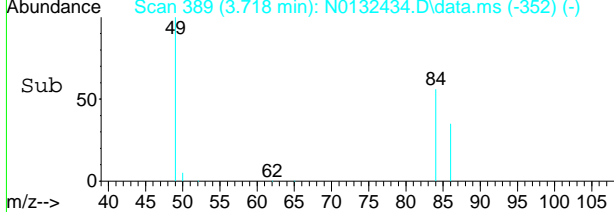
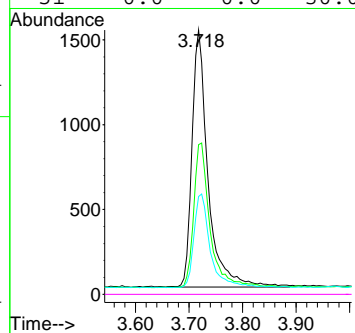
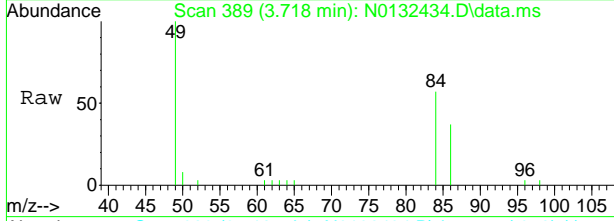
Ion	Ratio	Lower	Upper
50	100		
52	28.1	2.1	62.1
49	12.9	0.0	39.6



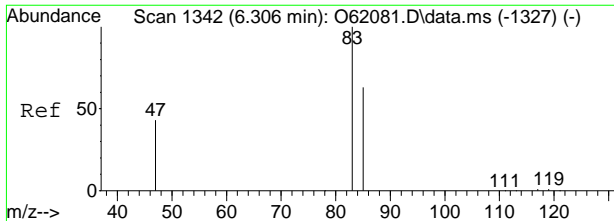
#5
 Methylene Chloride
 Concen: 1.43 ug/L
 RT: 3.718 min Scan# 389
 Delta R.T. 0.006 min
 Lab File: N0132434.D
 Acq: 4 Sep 2024 11:59 am

Tgt Ion: 49 Resp: 3160

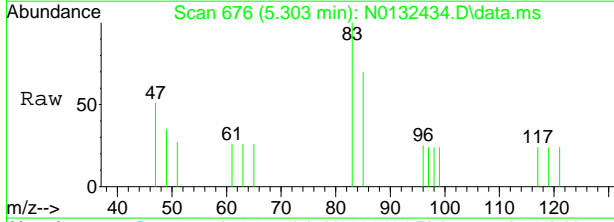
Ion	Ratio	Lower	Upper
49	100		
84	55.4	20.0	80.0
86	35.4	0.4	60.4
51	0.0	0.0	30.0



7.1.30
7

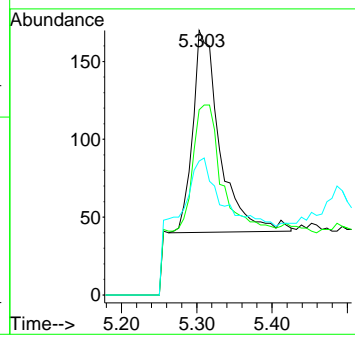
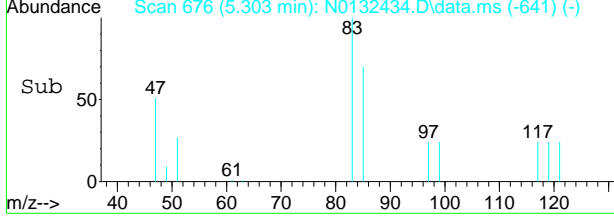


#9
 Chloroform
 Concen: 0.18 ug/L m
 RT: 5.303 min Scan# 676
 Delta R.T. 0.000 min
 Lab File: N0132434.D
 Acq: 4 Sep 2024 11:59 am



Tgt Ion: 83 Resp: 325

Ion	Ratio	Lower	Upper
83	100		
85	70.0	36.3	96.3
47	50.6	2.6	62.6



7.1.30
7



Manual Integration Approval Summary

Sample Number: FC18326-30 **Method:** SW846 8260D BY SIM
Lab FileID: N0132434.D **Analyst approved:** 09/05/24 07:45 Jenifer Willis
Injection Time: 09/04/24 11:59 **Supervisor approved:** 09/05/24 09:09 Karen Watson

Parameter	CAS	Sig#	R.T. (min.)	Reason
Chloroform	67-66-3		5.30	Poorly defined baseline

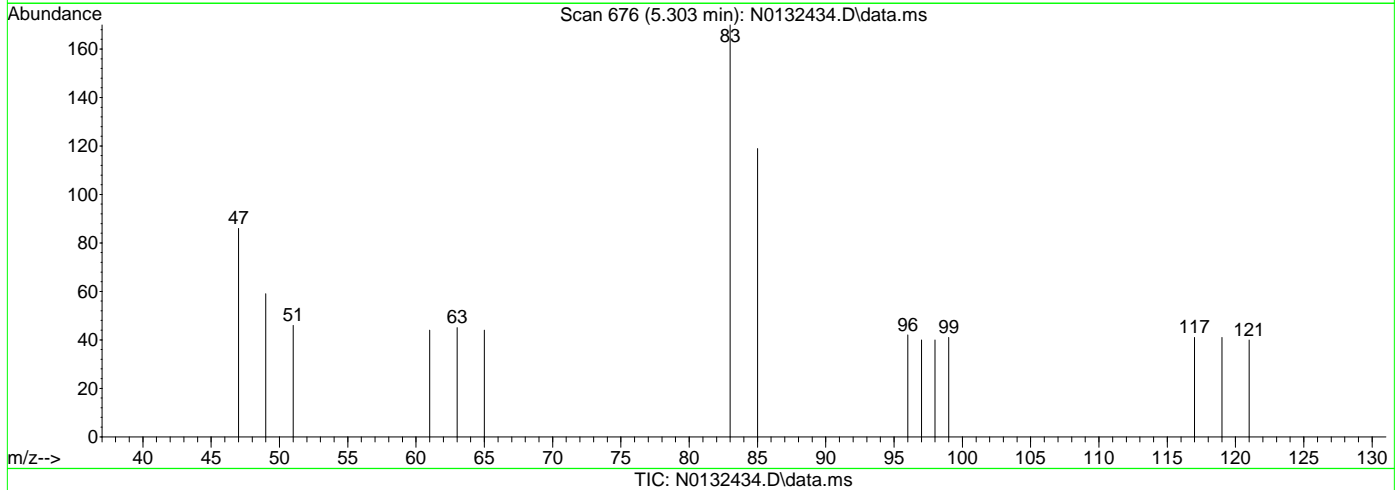
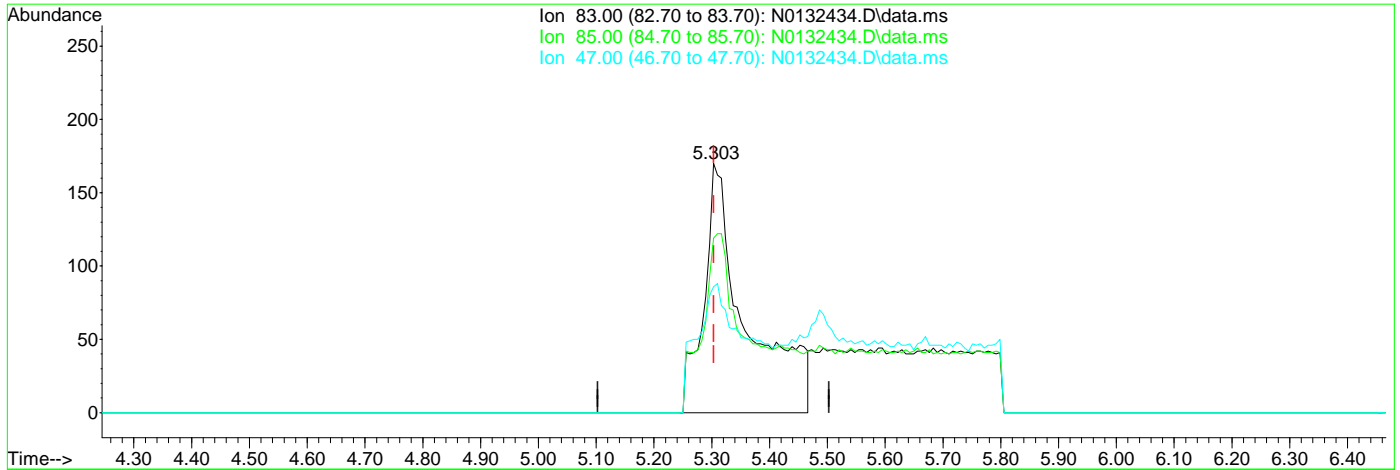
7.1.30.1

7

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\09-04-24\
 Data File : N0132434.D
 Acq On : 4 Sep 2024 11:59 am
 Operator : jeniferw
 Sample : FC18326-30
 Misc : MS57416,VN6714,,,,,
 ALS Vial : 14 Sample Multiplier: 1

Quant Time: Sep 04 12:36:22 2024
 Quant Method : C:\msdchem\1\methods\SIMCL_VN6705_082024.M
 Quant Title : Standard Methods 6200B
 QLast Update : Tue Aug 20 14:01:28 2024
 Response via : Initial Calibration



(9) Chloroform

5.303min (+0.000) 0.47ug/L

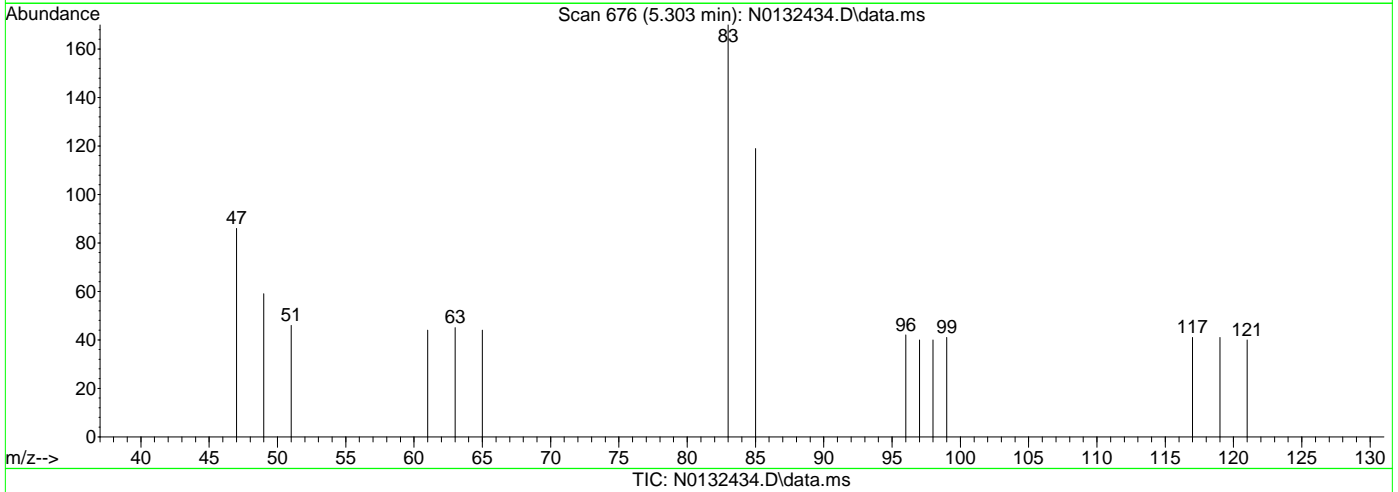
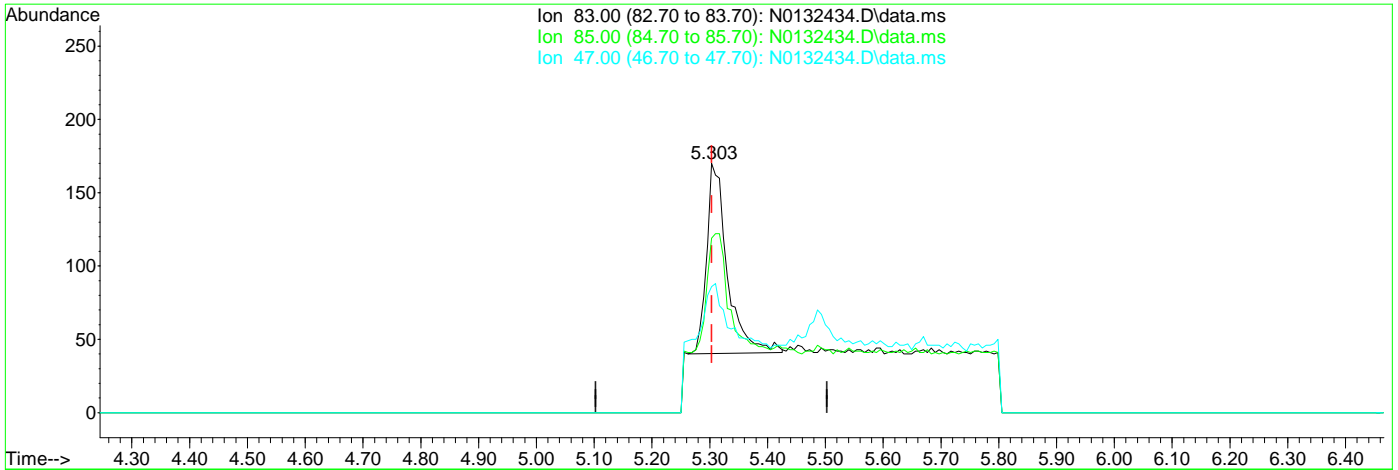
response 851

Ion	Exp%	Act%
83.00	100	100
85.00	66.30	70.00
47.00	32.60	50.59
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\09-04-24\
 Data File : N0132434.D
 Acq On : 4 Sep 2024 11:59 am
 Operator : jeniferw
 Sample : FC18326-30
 Misc : MS57416,VN6714,,,,,
 ALS Vial : 14 Sample Multiplier: 1

Quant Time: Sep 04 12:36:22 2024
 Quant Method : C:\msdchem\1\methods\SIMCL_VN6705_082024.M
 Quant Title : Standard Methods 6200B
 QLast Update : Tue Aug 20 14:01:28 2024
 Response via : Initial Calibration



(9) Chloroform
 5.303min (+0.000) 0.18ug/L m
 response 325

Ion	Exp%	Act%
83.00	100	100
85.00	66.30	70.00
47.00	32.60	50.59
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\09-04-24\
 Data File : N0132435.D
 Acq On : 4 Sep 2024 12:22 pm
 Operator : jeniferw
 Sample : FC18326-31
 Misc : MS57416,VN6714,,,,,
 ALS Vial : 15 Sample Multiplier: 1

Quant Time: Sep 04 13:28:27 2024
 Quant Method : C:\msdchem\1\methods\SIMCL_VN6705_082024.M
 Quant Title : Standard Methods 6200B
 QLast Update : Tue Aug 20 14:01:28 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	Qvalue

Internal Standards							
1) Fluorobenzene	6.341	96	47936	5.00	ug/L	0.00	
18) Chlorobenzene-d5	9.519	117	32052	5.00	ug/L	0.00	
System Monitoring Compounds							
13) 1,2-Dichloroethane-d4	6.045	65	22578	5.48	ug/L	0.00	
Spiked Amount	5.000	Range 74 - 125	Recovery	=	109.60%		
19) Toluene-d8	7.951	98	36568	5.17	ug/L	0.00	
Spiked Amount	5.000	Range 88 - 111	Recovery	=	103.40%		
Target Compounds							
3) Chloromethane	1.977	50	313	0.22	ug/L		87
5) Methylene Chloride	3.718	49	3165	1.43	ug/L		95
10) Carbon Tetrachloride	5.473	117	299	0.42	ug/L		96

(#) = qualifier out of range (m) = manual integration (+) = signals summed

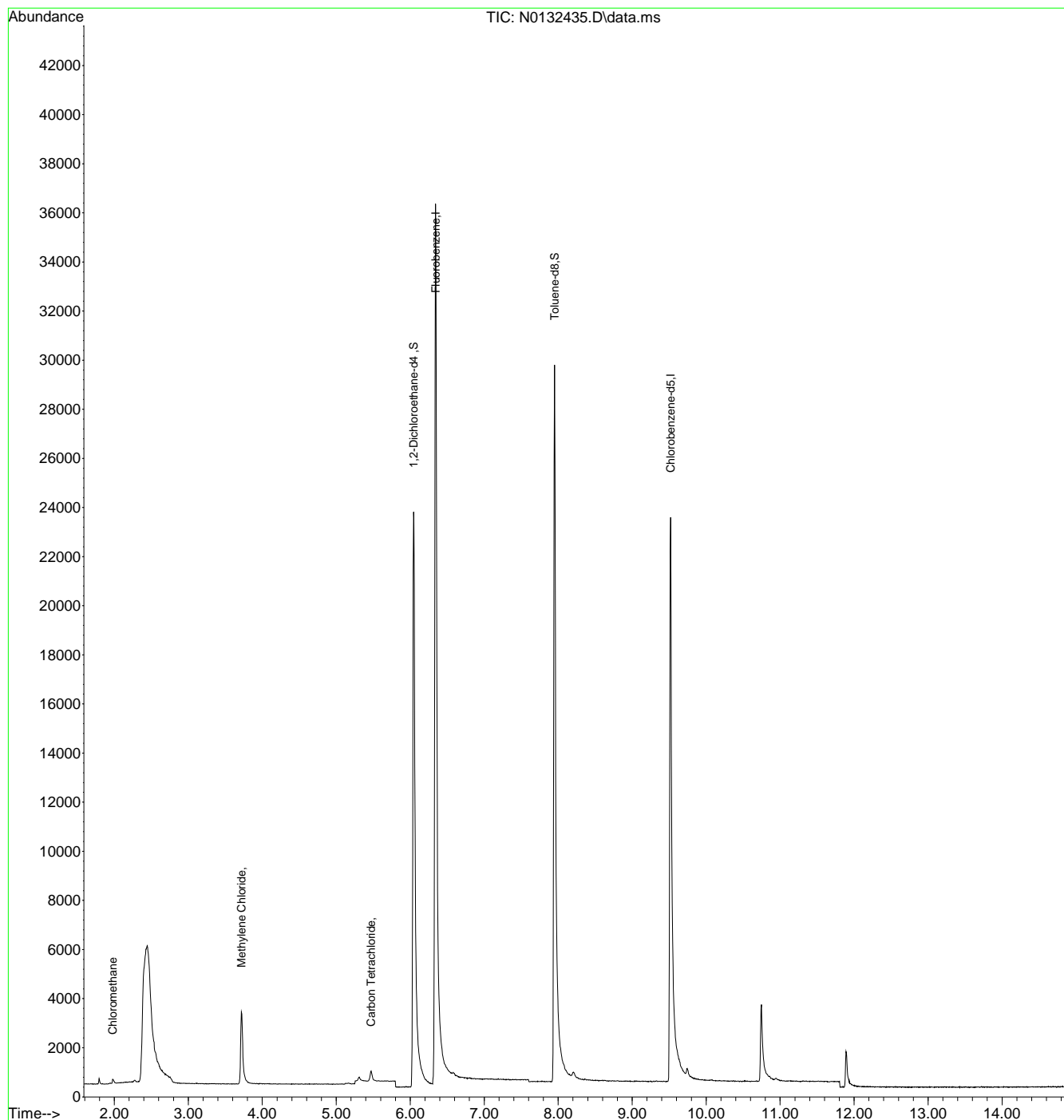
7.1.31
7



Quantitation Report (QT Reviewed)

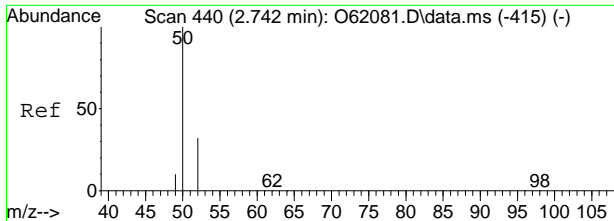
Data Path : C:\msdchem\1\data\09-04-24\
Data File : N0132435.D
Acq On : 4 Sep 2024 12:22 pm
Operator : jeniferw
Sample : FC18326-31
Misc : MS57416,VN6714,,,,,
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Sep 04 13:28:27 2024
Quant Method : C:\msdchem\1\methods\SIMCL_VN6705_082024.M
Quant Title : Standard Methods 6200B
QLast Update : Tue Aug 20 14:01:28 2024
Response via : Initial Calibration



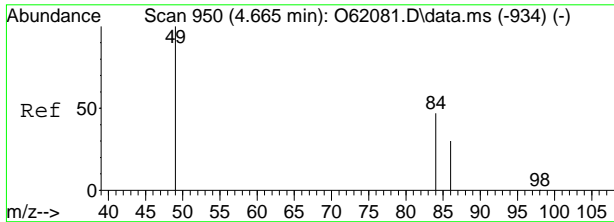
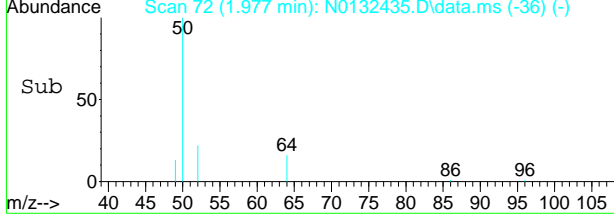
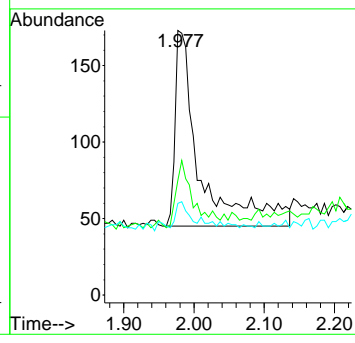
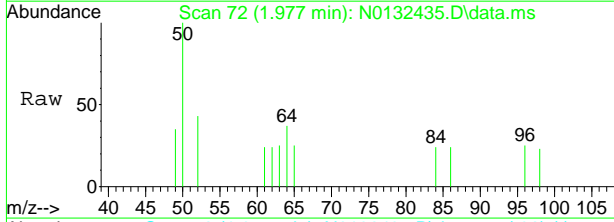
7.1.31
7





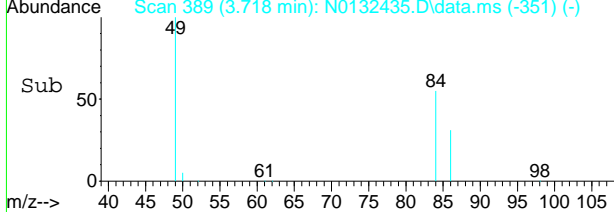
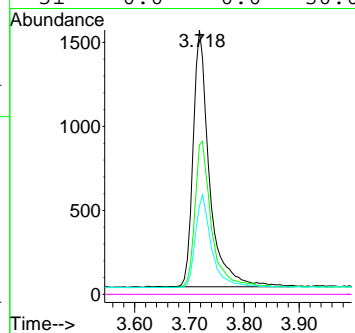
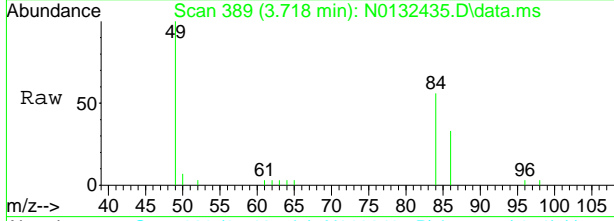
#3
 Chloromethane
 Concen: 0.22 ug/L
 RT: 1.977 min Scan# 72
 Delta R.T. -0.005 min
 Lab File: N0132435.D
 Acq: 4 Sep 2024 12:22 pm

Tgt Ion	Ratio	Lower	Upper
50	100		
52	24.2	2.1	62.1
49	12.5	0.0	39.6



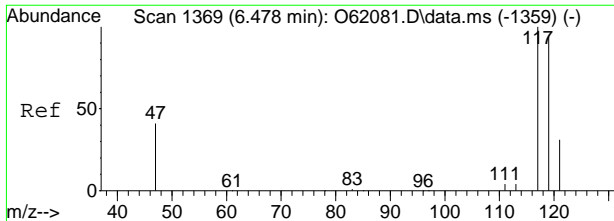
#5
 Methylene Chloride
 Concen: 1.43 ug/L
 RT: 3.718 min Scan# 389
 Delta R.T. 0.006 min
 Lab File: N0132435.D
 Acq: 4 Sep 2024 12:22 pm

Tgt Ion	Ratio	Lower	Upper
49	100		
84	55.3	20.0	80.0
86	31.4	0.4	60.4
51	0.0	0.0	30.0



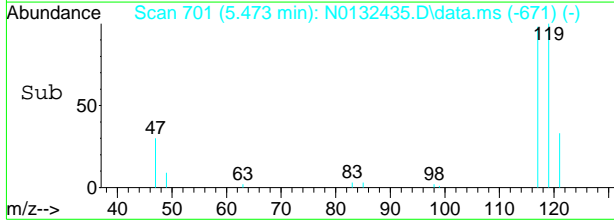
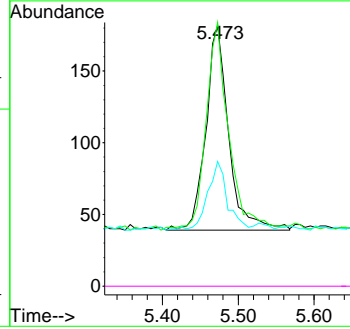
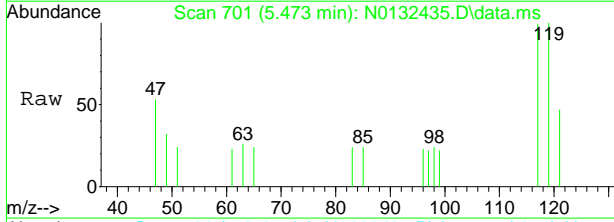
7.1.31
7





#10
 Carbon Tetrachloride
 Concen: 0.42 ug/L
 RT: 5.473 min Scan# 701
 Delta R.T. 0.007 min
 Lab File: N0132435.D
 Acq: 4 Sep 2024 12:22 pm

Tgt Ion	Ratio	Lower	Upper
117	100		
119	100.0	67.0	127.0
121	33.6	0.5	60.5
82	0.0	0.0	30.0



7.1.31
7

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\09-04-24\
 Data File : N0132427.D
 Acq On : 4 Sep 2024 9:16 am
 Operator : jeniferw
 Sample : FC18326-32
 Misc : MS57416,VN6714,,,,,
 ALS Vial : 7 Sample Multiplier: 1

Quant Time: Sep 04 10:15:29 2024
 Quant Method : C:\msdchem\1\methods\SIMCL_VN6705_082024.M
 Quant Title : Standard Methods 6200B
 QLast Update : Tue Aug 20 14:01:28 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	Qvalue

Internal Standards							
1) Fluorobenzene	6.341	96	48513	5.00	ug/L	0.00	
18) Chlorobenzene-d5	9.519	117	32458	5.00	ug/L	0.00	
System Monitoring Compounds							
13) 1,2-Dichloroethane-d4	6.045	65	22358	5.36	ug/L	0.00	
Spiked Amount	5.000	Range 74 - 125	Recovery	=	107.20%		
19) Toluene-d8	7.950	98	37104	5.18	ug/L	0.00	
Spiked Amount	5.000	Range 88 - 111	Recovery	=	103.60%		
Target Compounds							
3) Chloromethane	1.982	50	284	0.20	ug/L	93	
5) Methylene Chloride	3.718	49	3280	1.46	ug/L	92	

(#) = qualifier out of range (m) = manual integration (+) = signals summed

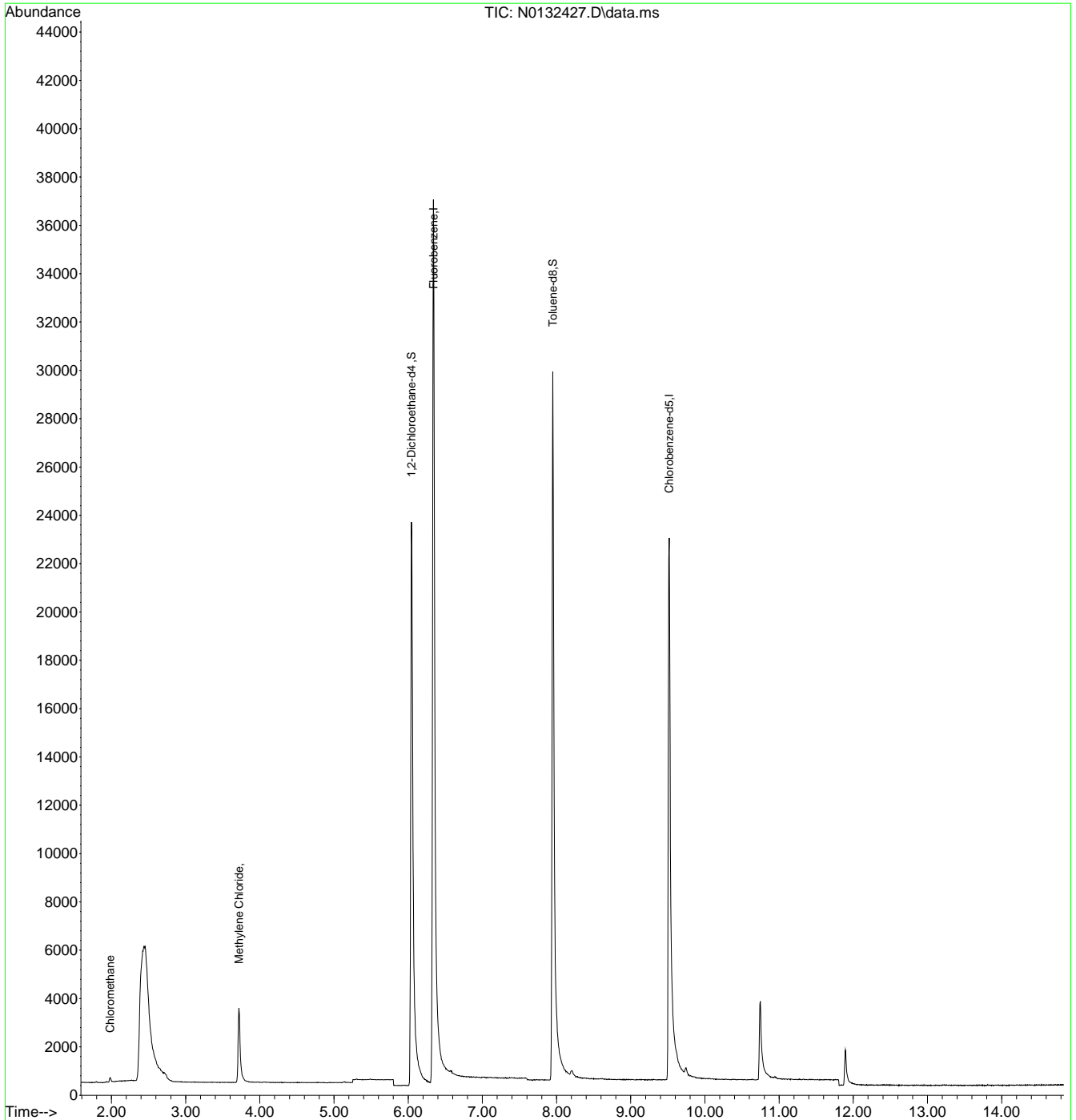
7.1.32
7



Quantitation Report (QT Reviewed)

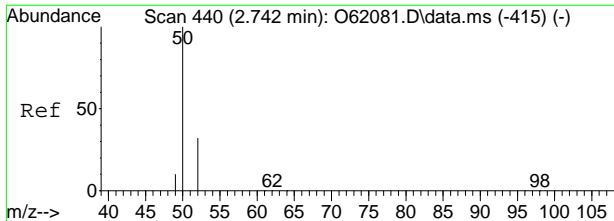
Data Path : C:\msdchem\1\data\09-04-24\
 Data File : N0132427.D
 Acq On : 4 Sep 2024 9:16 am
 Operator : jeniferw
 Sample : FC18326-32
 Misc : MS57416,VN6714,,,,,
 ALS Vial : 7 Sample Multiplier: 1

Quant Time: Sep 04 10:15:29 2024
 Quant Method : C:\msdchem\1\methods\SIMCL_VN6705_082024.M
 Quant Title : Standard Methods 6200B
 QLast Update : Tue Aug 20 14:01:28 2024
 Response via : Initial Calibration



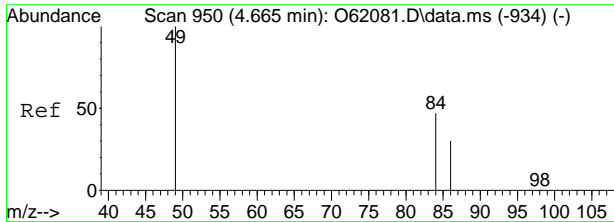
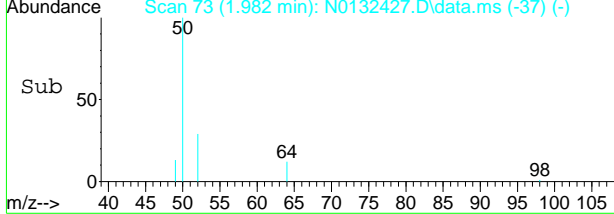
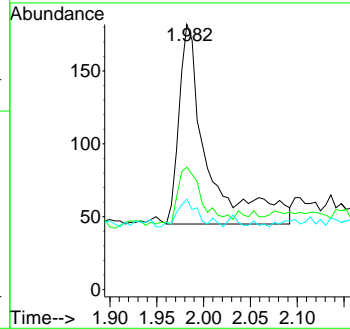
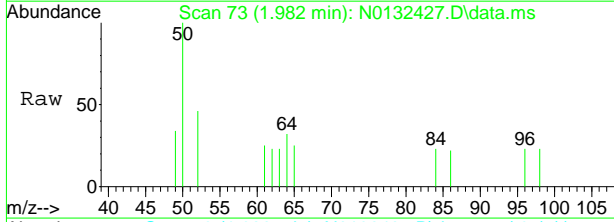
7.1.32
7





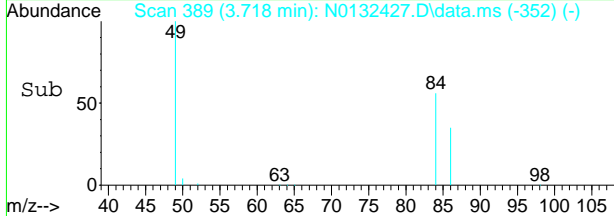
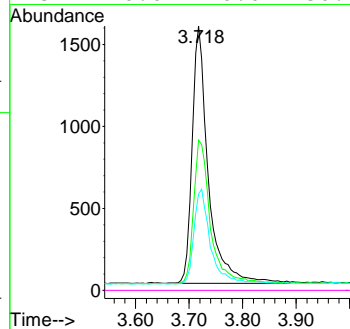
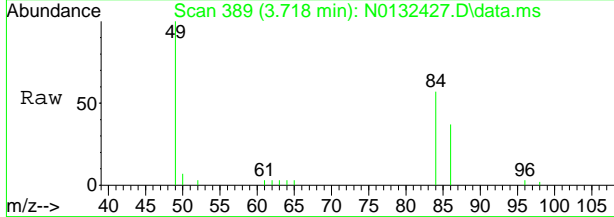
#3
 Chloromethane
 Concen: 0.20 ug/L
 RT: 1.982 min Scan# 73
 Delta R.T. 0.000 min
 Lab File: N0132427.D
 Acq: 4 Sep 2024 9:16 am

Tgt Ion	Ratio	Lower	Upper
50	100		
52	27.7	2.1	62.1
49	11.7	0.0	39.6



#5
 Methylene Chloride
 Concen: 1.46 ug/L
 RT: 3.718 min Scan# 389
 Delta R.T. 0.006 min
 Lab File: N0132427.D
 Acq: 4 Sep 2024 9:16 am

Tgt Ion	Ratio	Lower	Upper
49	100		
84	55.8	20.0	80.0
86	35.0	0.4	60.4
51	0.0	0.0	30.0



7.1.32
7



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\09-04-24\
 Data File : N0132436.D
 Acq On : 4 Sep 2024 12:45 pm
 Operator : jeniferw
 Sample : FC18326-33
 Misc : MS57416,VN6714,,,,,
 ALS Vial : 16 Sample Multiplier: 1

Quant Time: Sep 04 13:28:46 2024
 Quant Method : C:\msdchem\1\methods\SIMCL_VN6705_082024.M
 Quant Title : Standard Methods 6200B
 QLast Update : Tue Aug 20 14:01:28 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	

Internal Standards							
1) Fluorobenzene	6.341	96	47156	5.00	ug/L	0.00	
18) Chlorobenzene-d5	9.519	117	31627	5.00	ug/L	0.00	
System Monitoring Compounds							
13) 1,2-Dichloroethane-d4	6.045	65	22458	5.54	ug/L	0.00	
Spiked Amount	5.000	Range 74 - 125	Recovery	=	110.80%		
19) Toluene-d8	7.951	98	36388	5.21	ug/L	0.00	
Spiked Amount	5.000	Range 88 - 111	Recovery	=	104.20%		
Target Compounds							
3) Chloromethane	1.982	50	283	0.20	ug/L	95	Qvalue
5) Methylene Chloride	3.718	49	3120	1.43	ug/L	93	
10) Carbon Tetrachloride	5.473	117	92	0.13	ug/L	92	

(#) = qualifier out of range (m) = manual integration (+) = signals summed

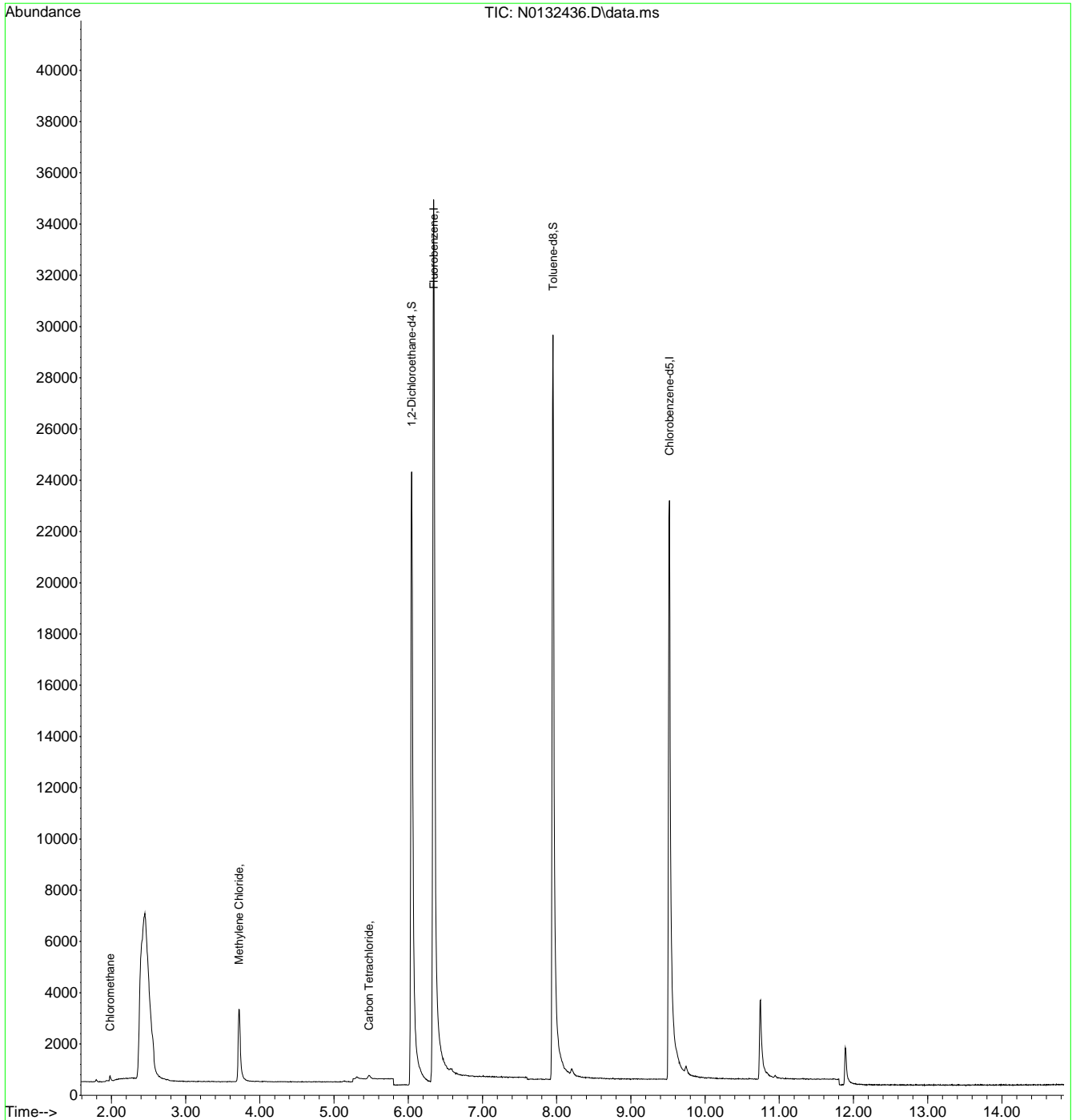
7.1.33
7



Quantitation Report (QT Reviewed)

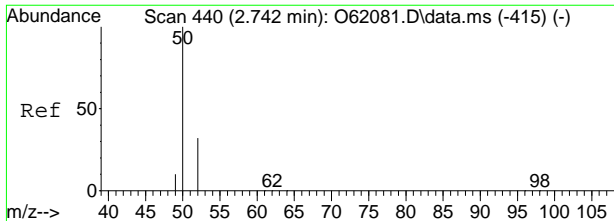
Data Path : C:\msdchem\1\data\09-04-24\
Data File : N0132436.D
Acq On : 4 Sep 2024 12:45 pm
Operator : jeniferw
Sample : FC18326-33
Misc : MS57416,VN6714,,,,,
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Sep 04 13:28:46 2024
Quant Method : C:\msdchem\1\methods\SIMCL_VN6705_082024.M
Quant Title : Standard Methods 6200B
QLast Update : Tue Aug 20 14:01:28 2024
Response via : Initial Calibration



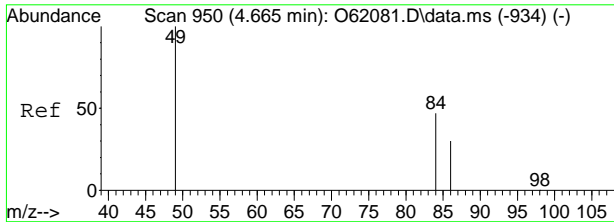
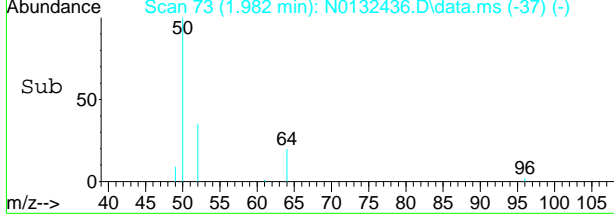
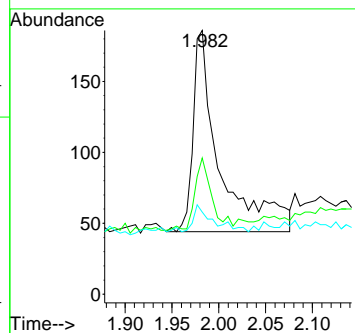
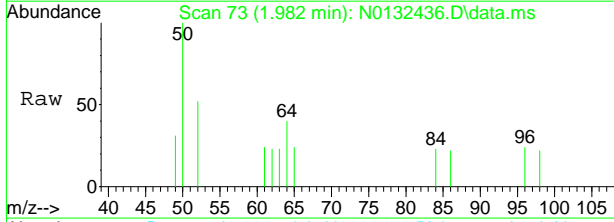
7.1.33
7





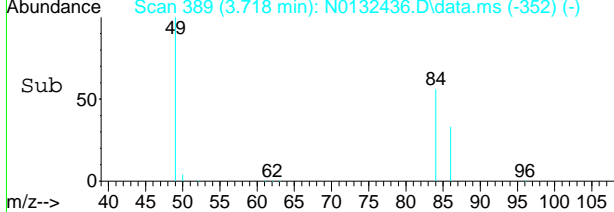
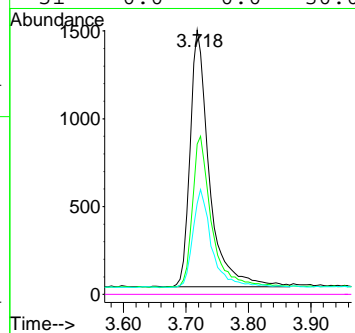
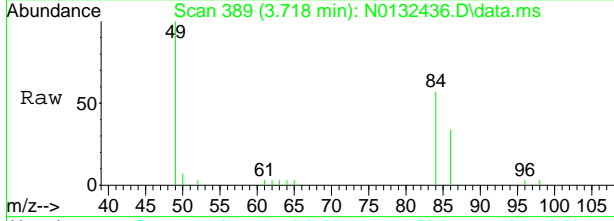
#3
 Chloromethane
 Concen: 0.20 ug/L
 RT: 1.982 min Scan# 73
 Delta R.T. 0.000 min
 Lab File: N0132436.D
 Acq: 4 Sep 2024 12:45 pm

Tgt Ion	Ratio	Lower	Upper
50	100		
52	35.9	2.1	62.1
49	9.9	0.0	39.6



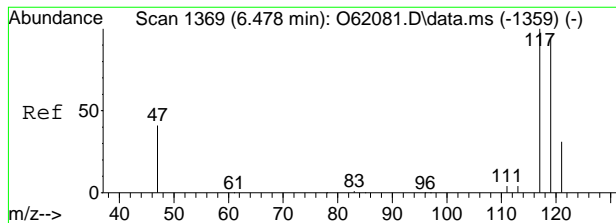
#5
 Methylene Chloride
 Concen: 1.43 ug/L
 RT: 3.718 min Scan# 389
 Delta R.T. 0.006 min
 Lab File: N0132436.D
 Acq: 4 Sep 2024 12:45 pm

Tgt Ion	Ratio	Lower	Upper
49	100		
84	55.7	20.0	80.0
86	32.6	0.4	60.4
51	0.0	0.0	30.0



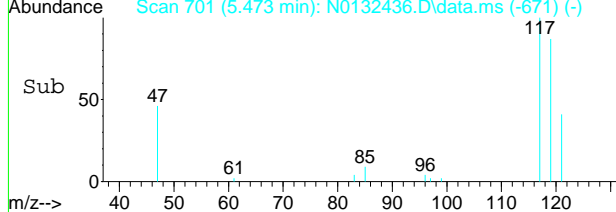
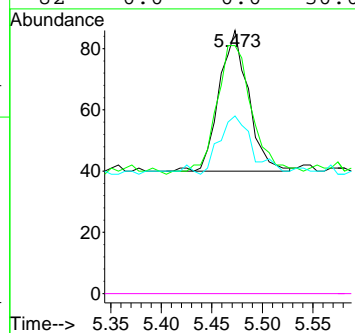
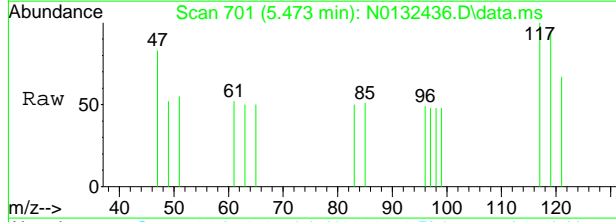
7.1.33
7





#10
 Carbon Tetrachloride
 Concen: 0.13 ug/L
 RT: 5.473 min Scan# 701
 Delta R.T. 0.007 min
 Lab File: N0132436.D
 Acq: 4 Sep 2024 12:45 pm

Tgt Ion	Ratio	Lower	Upper
117	100		
119	91.3	67.0	127.0
121	39.1	0.5	60.5
82	0.0	0.0	30.0



7.1.33
7

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\09-04-24\
 Data File : N0132437.D
 Acq On : 4 Sep 2024 1:09 pm
 Operator : jeniferw
 Sample : FC18326-34
 Misc : MS57416,VN6714,,,,,
 ALS Vial : 17 Sample Multiplier: 1

Quant Time: Sep 04 13:29:08 2024
 Quant Method : C:\msdchem\1\methods\SIMCL_VN6705_082024.M
 Quant Title : Standard Methods 6200B
 QLast Update : Tue Aug 20 14:01:28 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	

Internal Standards							
1) Fluorobenzene	6.341	96	47800	5.00	ug/L	0.00	
18) Chlorobenzene-d5	9.519	117	32306	5.00	ug/L	0.00	
System Monitoring Compounds							
13) 1,2-Dichloroethane-d4	6.045	65	22774	5.54	ug/L	0.00	
Spiked Amount	5.000	Range 74 - 125	Recovery	=	110.80%		
19) Toluene-d8	7.950	98	36553	5.13	ug/L	0.00	
Spiked Amount	5.000	Range 88 - 111	Recovery	=	102.60%		
Target Compounds							
							Qvalue
3) Chloromethane	1.982	50	315	0.22	ug/L		93
5) Methylene Chloride	3.718	49	3318	1.50	ug/L		90
9) Chloroform	5.310	83	436m	0.24	ug/L		
10) Carbon Tetrachloride	5.473	117	943	1.32	ug/L		96

(#) = qualifier out of range (m) = manual integration (+) = signals summed

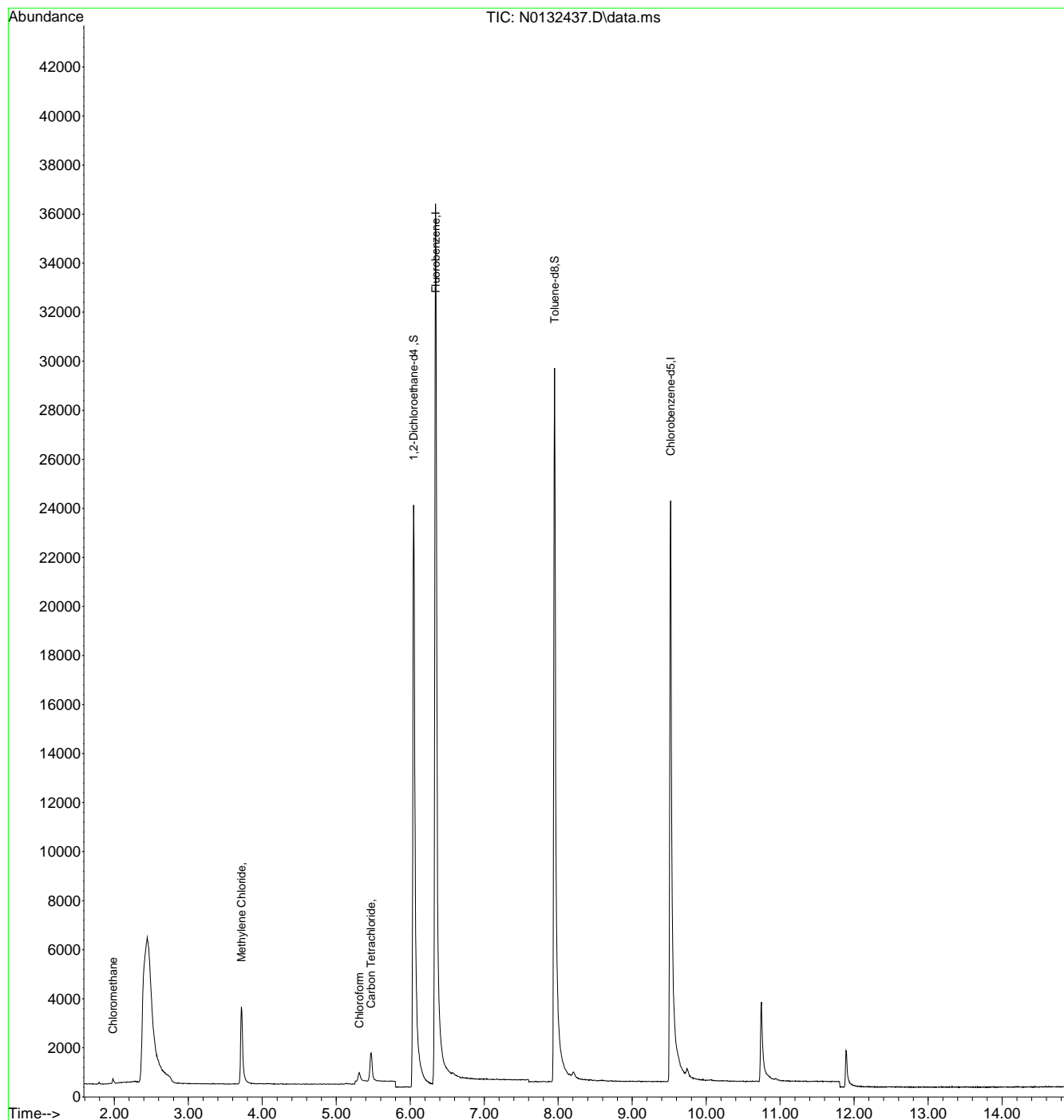
7.1.34
7



Quantitation Report (QT Reviewed)

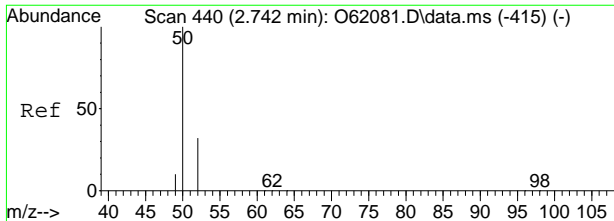
Data Path : C:\msdchem\1\data\09-04-24\
 Data File : N0132437.D
 Acq On : 4 Sep 2024 1:09 pm
 Operator : jeniferw
 Sample : FC18326-34
 Misc : MS57416,VN6714,,,,,
 ALS Vial : 17 Sample Multiplier: 1

Quant Time: Sep 04 13:29:08 2024
 Quant Method : C:\msdchem\1\methods\SIMCL_VN6705_082024.M
 Quant Title : Standard Methods 6200B
 QLast Update : Tue Aug 20 14:01:28 2024
 Response via : Initial Calibration



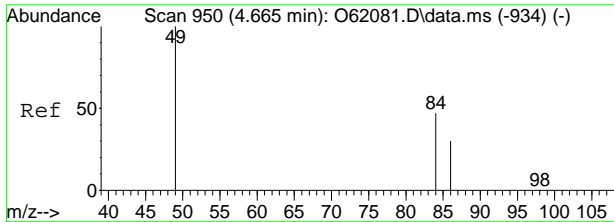
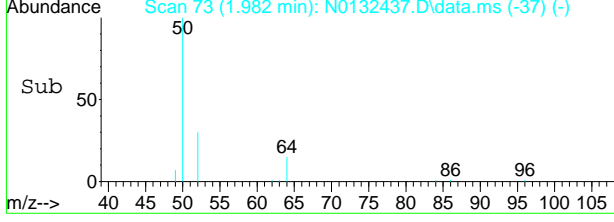
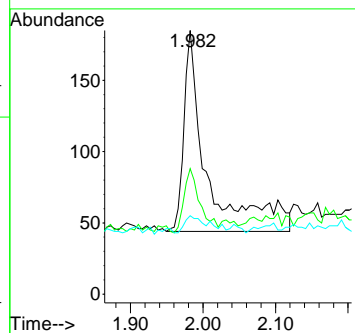
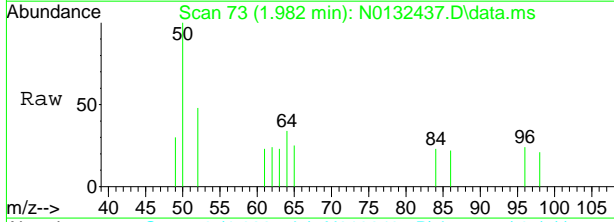
7.1.34
7





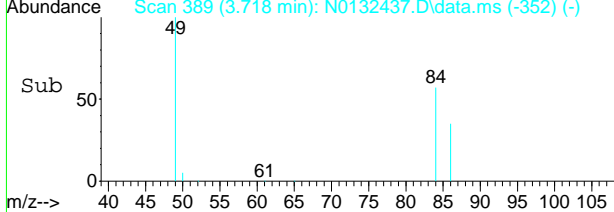
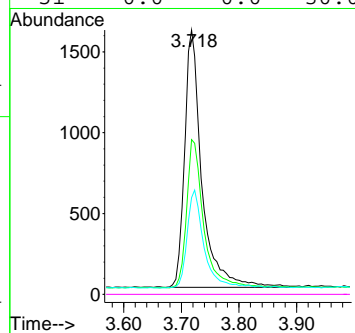
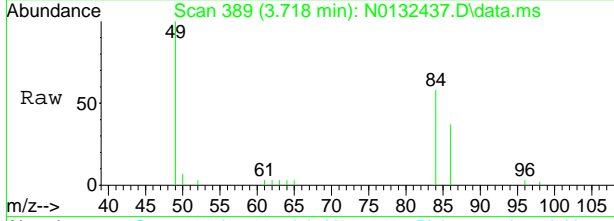
#3
 Chloromethane
 Concen: 0.22 ug/L
 RT: 1.982 min Scan# 73
 Delta R.T. 0.000 min
 Lab File: N0132437.D
 Acq: 4 Sep 2024 1:09 pm

Tgt Ion	Ratio	Lower	Upper
50	100		
52	28.4	2.1	62.1
49	6.4	0.0	39.6



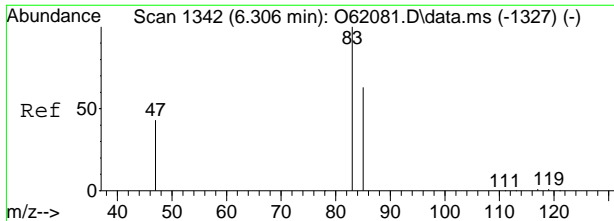
#5
 Methylene Chloride
 Concen: 1.50 ug/L
 RT: 3.718 min Scan# 389
 Delta R.T. 0.006 min
 Lab File: N0132437.D
 Acq: 4 Sep 2024 1:09 pm

Tgt Ion	Ratio	Lower	Upper
49	100		
84	57.5	20.0	80.0
86	35.0	0.4	60.4
51	0.0	0.0	30.0



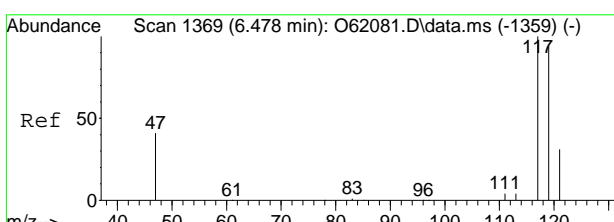
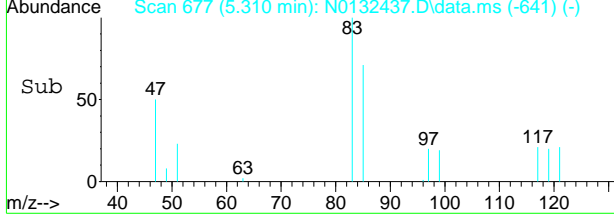
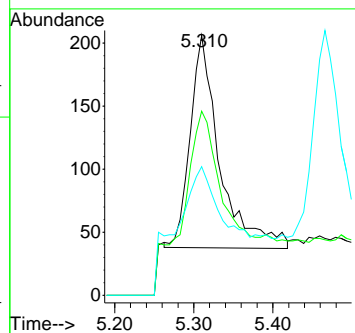
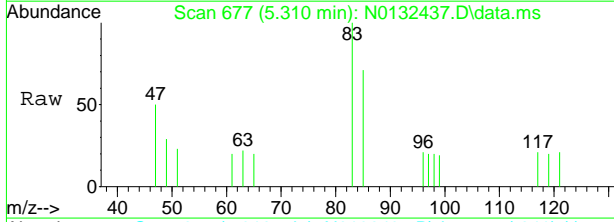
7.1.34
7





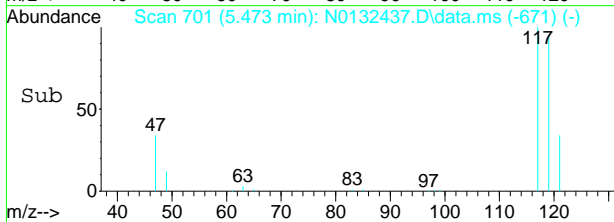
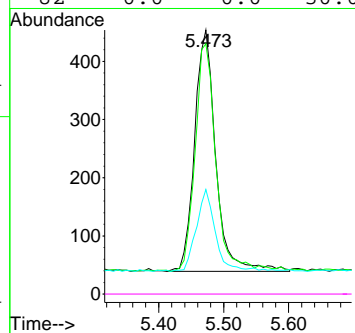
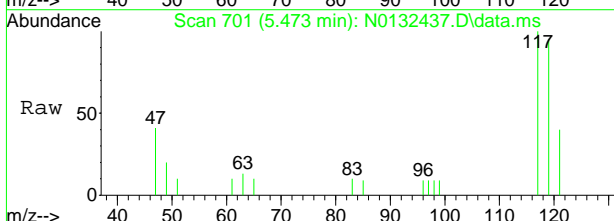
#9
 Chloroform
 Concen: 0.24 ug/L m
 RT: 5.310 min Scan# 677
 Delta R.T. 0.007 min
 Lab File: N0132437.D
 Acq: 4 Sep 2024 1:09 pm

Tgt Ion	Resp	Lower	Upper
83	436		
85	70.9	36.3	96.3
47	49.5	2.6	62.6



#10
 Carbon Tetrachloride
 Concen: 1.32 ug/L
 RT: 5.473 min Scan# 701
 Delta R.T. 0.007 min
 Lab File: N0132437.D
 Acq: 4 Sep 2024 1:09 pm

Tgt Ion	Resp	Lower	Upper
117	943		
117	100		
119	93.7	67.0	127.0
121	33.5	0.5	60.5
82	0.0	0.0	30.0



7.1.34
7

Manual Integration Approval Summary

Sample Number: FC18326-34 **Method:** SW846 8260D BY SIM
Lab FileID: N0132437.D **Analyst approved:** 09/05/24 07:45 Jenifer Willis
Injection Time: 09/04/24 13:09 **Supervisor approved:** 09/05/24 09:09 Karen Watson

Parameter	CAS	Sig#	R.T. (min.)	Reason
Chloroform	67-66-3		5.31	Poorly defined baseline

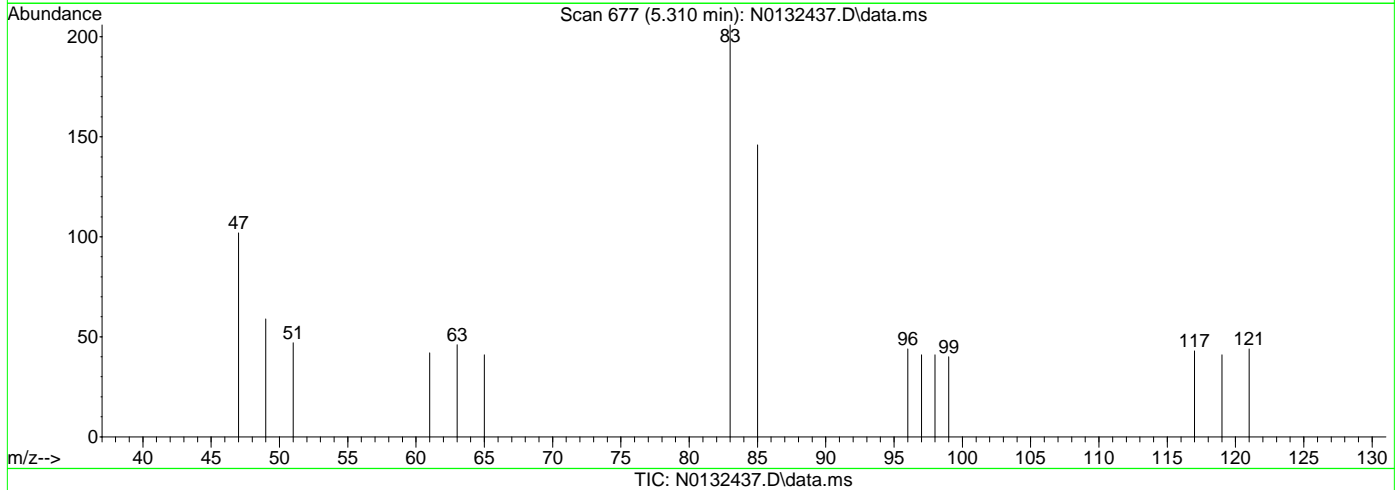
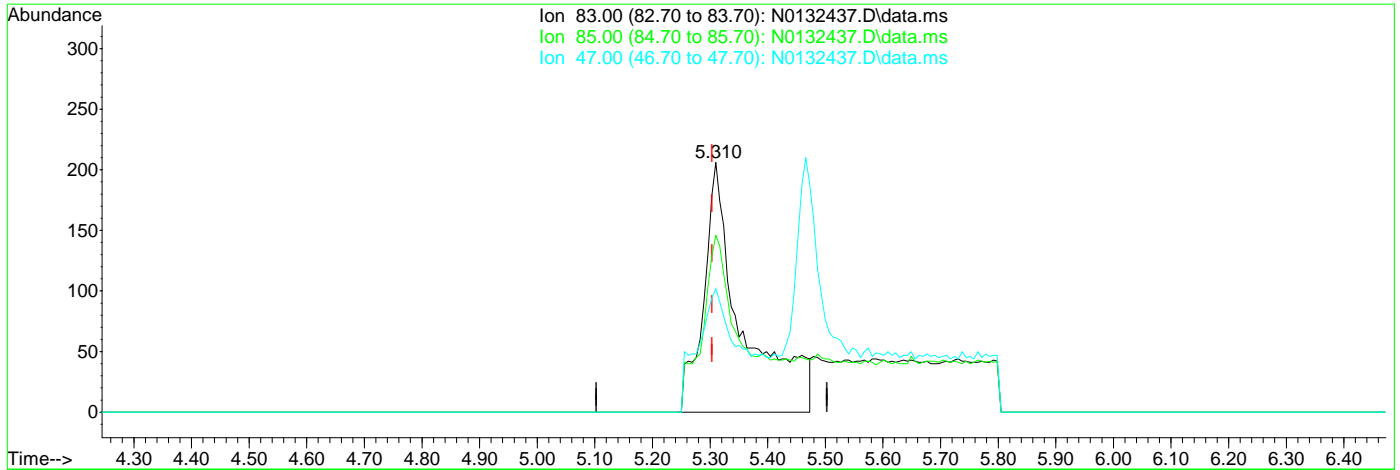
7.1.34.1

7

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\09-04-24\
 Data File : N0132437.D
 Acq On : 4 Sep 2024 1:09 pm
 Operator : jeniferw
 Sample : FC18326-34
 Misc : MS57416,VN6714,,,,,
 ALS Vial : 17 Sample Multiplier: 1

Quant Time: Sep 04 13:28:52 2024
 Quant Method : C:\msdchem\1\methods\SIMCL_VN6705_082024.M
 Quant Title : Standard Methods 6200B
 QLast Update : Tue Aug 20 14:01:28 2024
 Response via : Initial Calibration



(9) Chloroform

5.310min (+0.007) 0.53ug/L

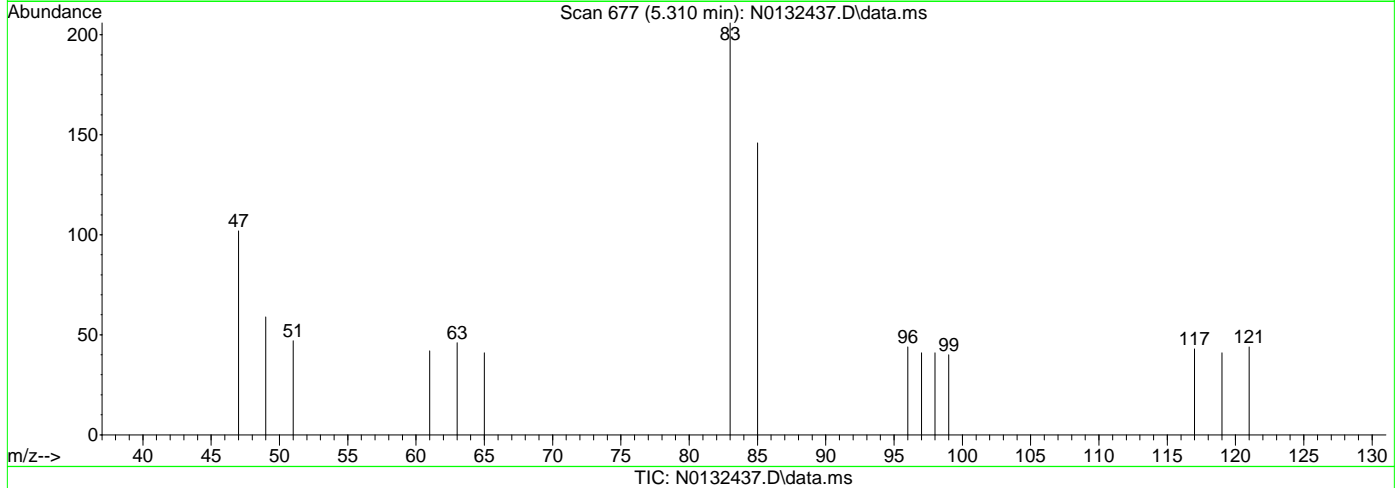
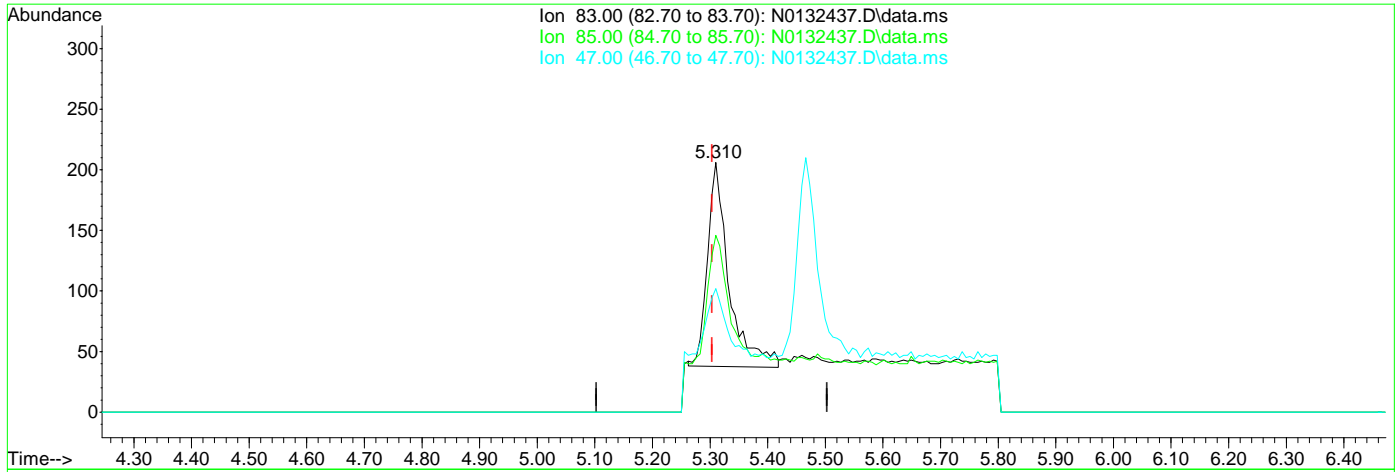
response 955

Ion	Exp%	Act%
83.00	100	100
85.00	66.30	70.87
47.00	32.60	49.51
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\09-04-24\
 Data File : N0132437.D
 Acq On : 4 Sep 2024 1:09 pm
 Operator : jeniferw
 Sample : FC18326-34
 Misc : MS57416,VN6714,,,,,
 ALS Vial : 17 Sample Multiplier: 1

Quant Time: Sep 04 13:28:52 2024
 Quant Method : C:\msdchem\1\methods\SIMCL_VN6705_082024.M
 Quant Title : Standard Methods 6200B
 QLast Update : Tue Aug 20 14:01:28 2024
 Response via : Initial Calibration



(9) Chloroform

5.310min (+0.007) 0.24ug/L m

response 436

Ion	Exp%	Act%
83.00	100	100
85.00	66.30	70.87
47.00	32.60	49.51
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\09-04-24\
 Data File : N0132438.D
 Acq On : 4 Sep 2024 1:32 pm
 Operator : jeniferw
 Sample : FC18326-35
 Misc : MS57416,VN6714,,,,,
 ALS Vial : 18 Sample Multiplier: 1

Quant Time: Sep 05 05:55:01 2024
 Quant Method : C:\msdchem\1\methods\SIMCL_VN6705_082024.M
 Quant Title : Standard Methods 6200B
 QLast Update : Tue Aug 20 14:01:28 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	

Internal Standards							
1) Fluorobenzene	6.341	96	46607	5.00	ug/L	0.00	
18) Chlorobenzene-d5	9.519	117	31328	5.00	ug/L	0.00	
System Monitoring Compounds							
13) 1,2-Dichloroethane-d4	6.045	65	22151	5.53	ug/L	0.00	
Spiked Amount	5.000	Range	74 - 125	Recovery	=	110.60%	
19) Toluene-d8	7.951	98	35576	5.15	ug/L	0.00	
Spiked Amount	5.000	Range	88 - 111	Recovery	=	103.00%	
Target Compounds							
3) Chloromethane	1.982	50	246	0.18	ug/L		Qvalue 87
5) Methylene Chloride	3.718	49	3203	1.49	ug/L		91
9) Chloroform	5.310	83	390m	0.22	ug/L		
10) Carbon Tetrachloride	5.466	117	903	1.30	ug/L		94

(#) = qualifier out of range (m) = manual integration (+) = signals summed

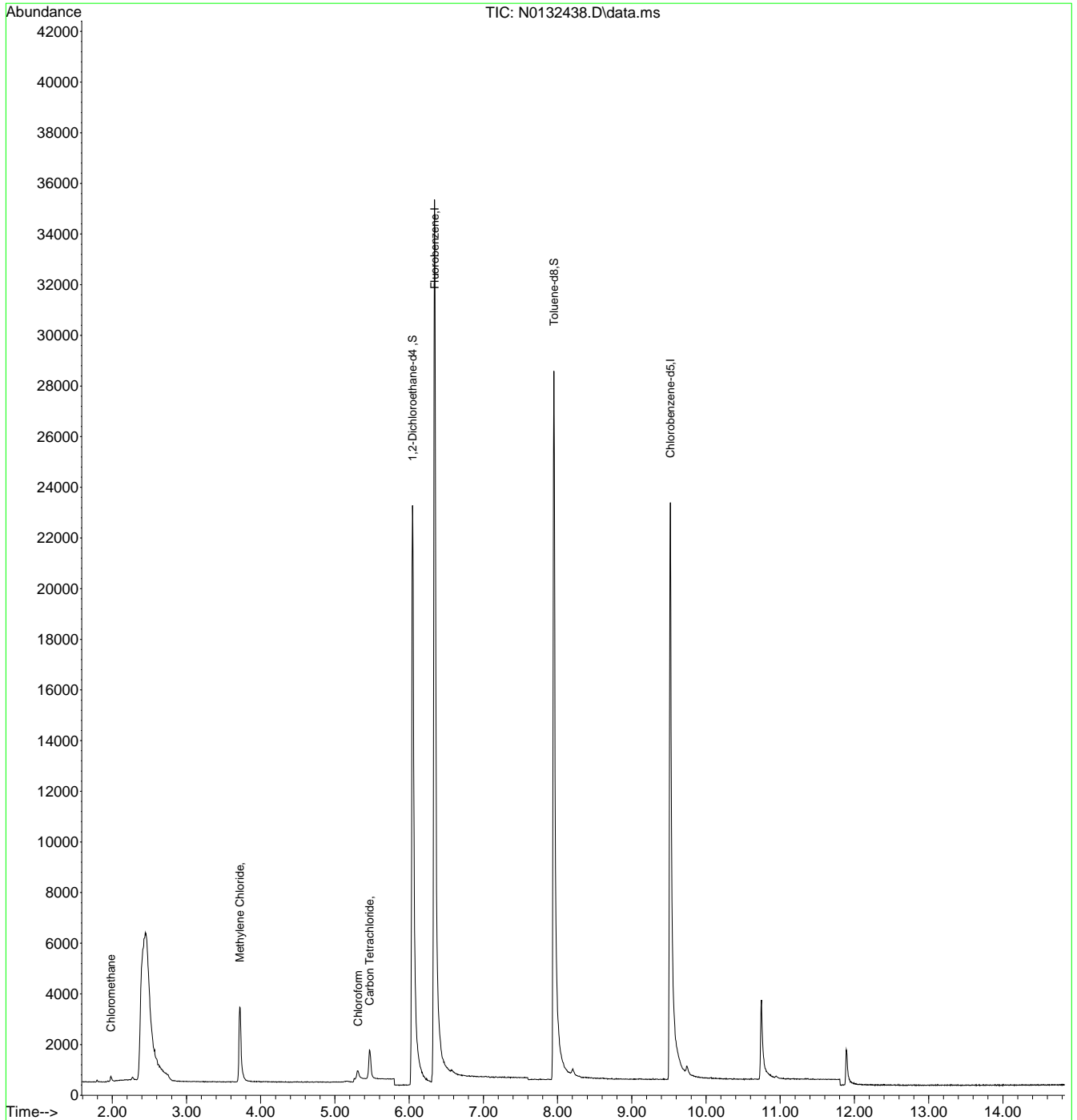
7.1.35
7



Quantitation Report (QT Reviewed)

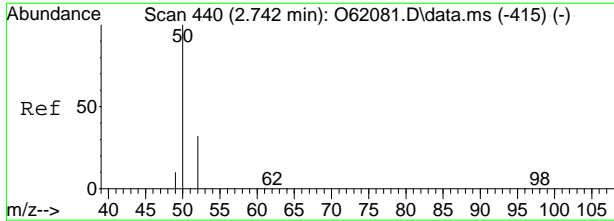
Data Path : C:\msdchem\1\data\09-04-24\
 Data File : N0132438.D
 Acq On : 4 Sep 2024 1:32 pm
 Operator : jeniferw
 Sample : FC18326-35
 Misc : MS57416,VN6714,,,,,
 ALS Vial : 18 Sample Multiplier: 1

Quant Time: Sep 05 05:55:01 2024
 Quant Method : C:\msdchem\1\methods\SIMCL_VN6705_082024.M
 Quant Title : Standard Methods 6200B
 QLast Update : Tue Aug 20 14:01:28 2024
 Response via : Initial Calibration



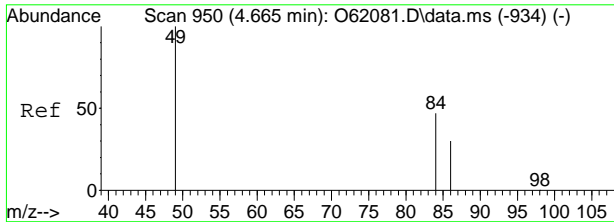
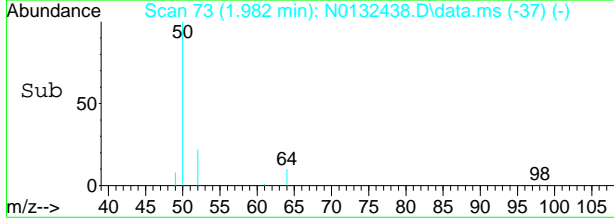
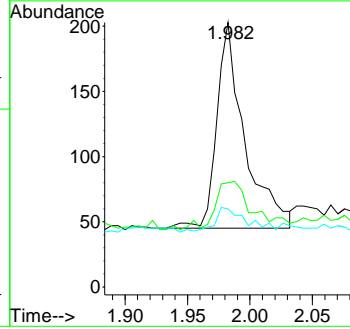
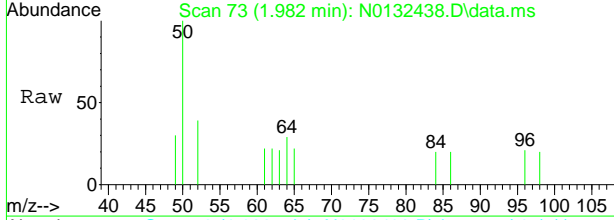
7.1.35
7





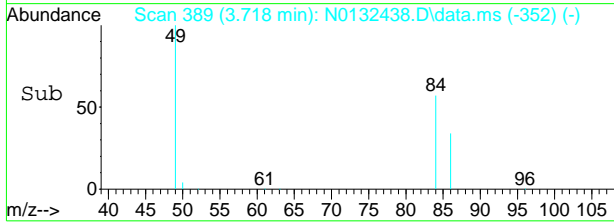
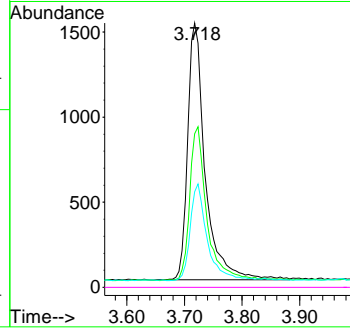
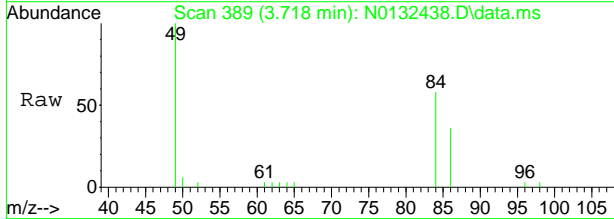
#3
 Chloromethane
 Concen: 0.18 ug/L
 RT: 1.982 min Scan# 73
 Delta R.T. 0.000 min
 Lab File: N0132438.D
 Acq: 4 Sep 2024 1:32 pm

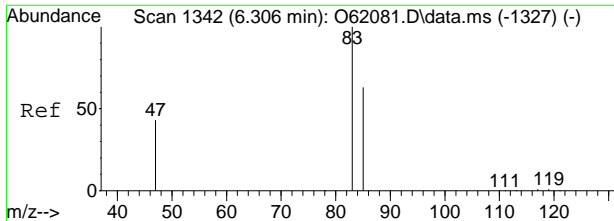
Tgt Ion	Ratio	Lower	Upper
50	100		
52	22.8	2.1	62.1
49	9.5	0.0	39.6



#5
 Methylene Chloride
 Concen: 1.49 ug/L
 RT: 3.718 min Scan# 389
 Delta R.T. 0.006 min
 Lab File: N0132438.D
 Acq: 4 Sep 2024 1:32 pm

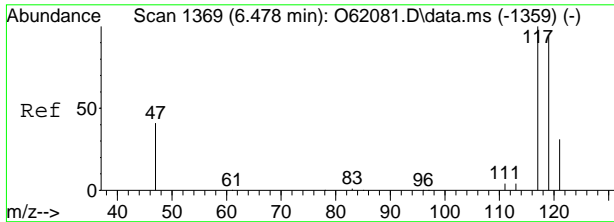
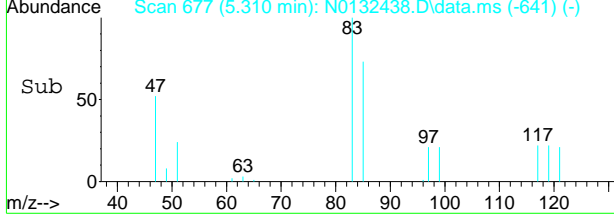
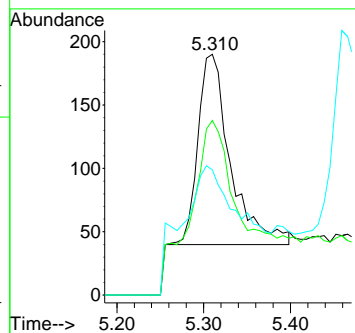
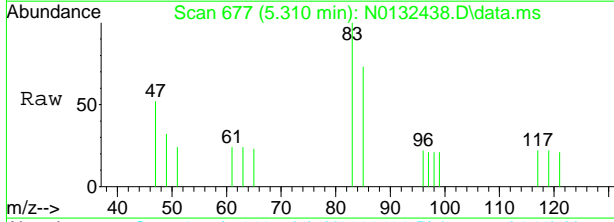
Tgt Ion	Ratio	Lower	Upper
49	100		
84	57.0	20.0	80.0
86	34.5	0.4	60.4
51	0.0	0.0	30.0





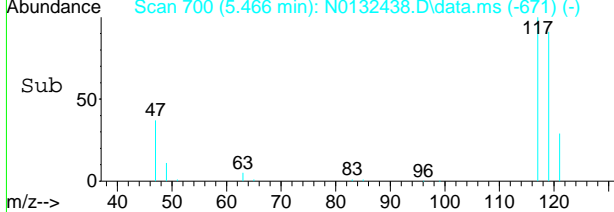
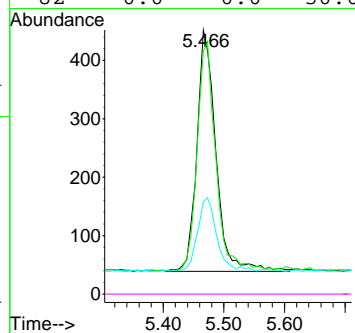
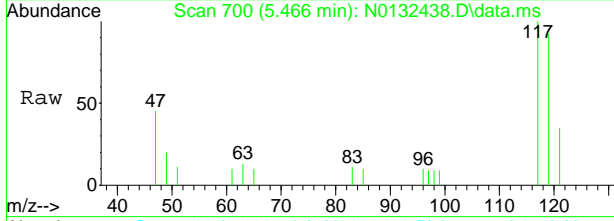
#9
 Chloroform
 Concen: 0.22 ug/L m
 RT: 5.310 min Scan# 677
 Delta R.T. 0.007 min
 Lab File: N0132438.D
 Acq: 4 Sep 2024 1:32 pm

Tgt Ion	Resp	Lower	Upper
83	390		
85	72.6	36.3	96.3
47	52.1	2.6	62.6



#10
 Carbon Tetrachloride
 Concen: 1.30 ug/L
 RT: 5.466 min Scan# 700
 Delta R.T. 0.000 min
 Lab File: N0132438.D
 Acq: 4 Sep 2024 1:32 pm

Tgt Ion	Resp	Lower	Upper
117	903		
117	100		
119	90.6	67.0	127.0
121	28.6	0.5	60.5
82	0.0	0.0	30.0



7.1.35
7

Manual Integration Approval Summary

Sample Number: FC18326-35 **Method:** SW846 8260D BY SIM
Lab FileID: N0132438.D **Analyst approved:** 09/05/24 07:45 Jenifer Willis
Injection Time: 09/04/24 13:32 **Supervisor approved:** 09/05/24 09:09 Karen Watson

Parameter	CAS	Sig#	R.T. (min.)	Reason
Chloroform	67-66-3		5.31	Poorly defined baseline

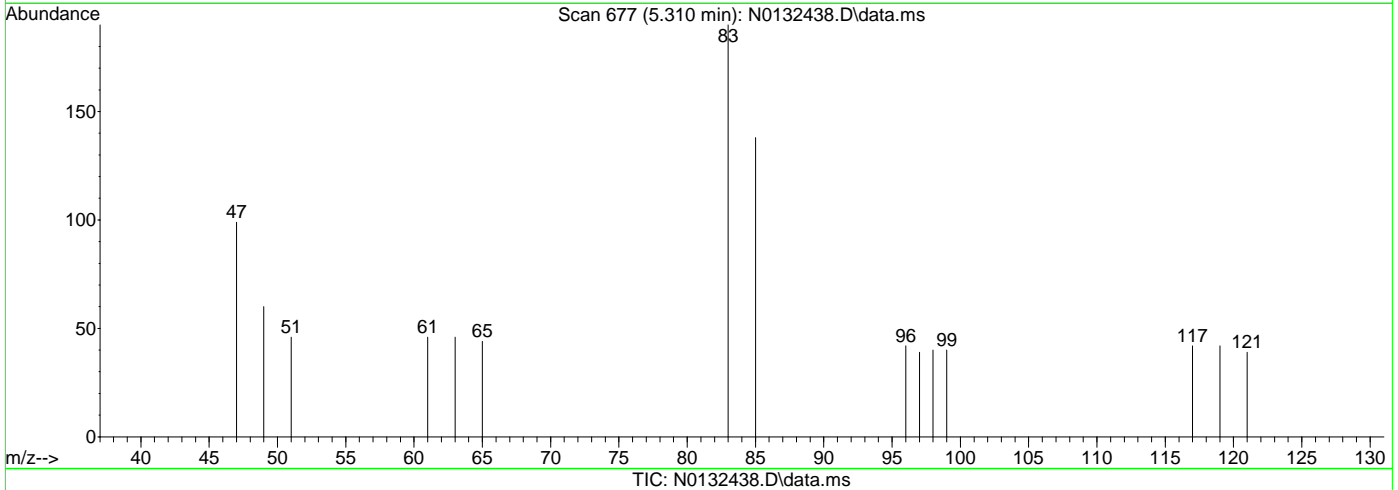
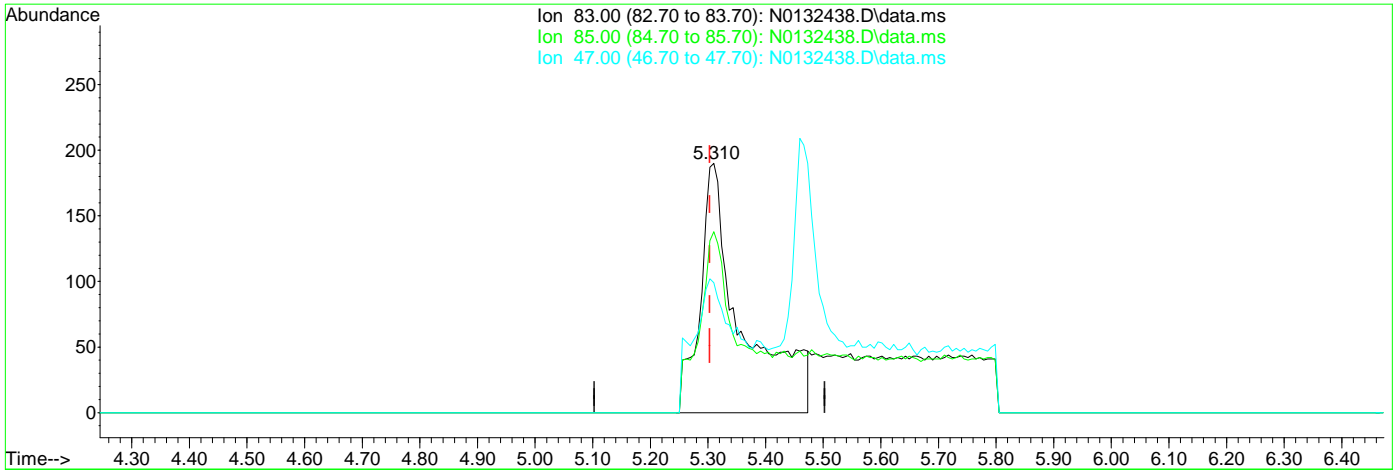
7.1.35.1

7

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\09-04-24\
 Data File : N0132438.D
 Acq On : 4 Sep 2024 1:32 pm
 Operator : jeniferw
 Sample : FC18326-35
 Misc : MS57416,VN6714,,,,,
 ALS Vial : 18 Sample Multiplier: 1

Quant Time: Sep 05 05:54:42 2024
 Quant Method : C:\msdchem\1\methods\SIMCL_VN6705_082024.M
 Quant Title : Standard Methods 6200B
 QLast Update : Tue Aug 20 14:01:28 2024
 Response via : Initial Calibration



(9) Chloroform

5.310min (+0.007) 0.54ug/L

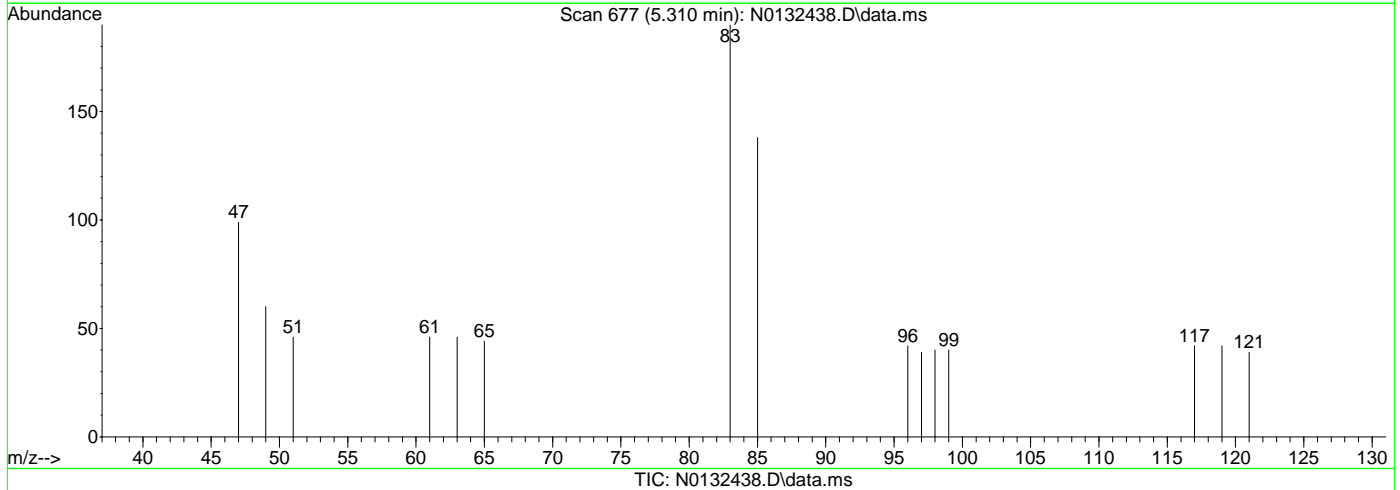
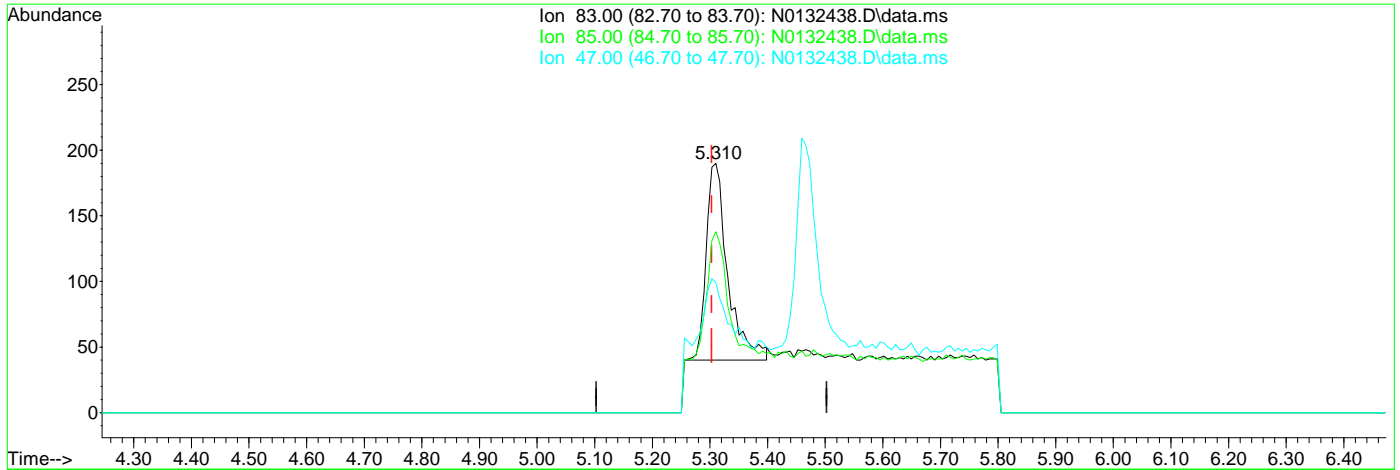
response 943

Ion	Exp%	Act%
83.00	100	100
85.00	66.30	72.63
47.00	32.60	52.11
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\09-04-24\
 Data File : N0132438.D
 Acq On : 4 Sep 2024 1:32 pm
 Operator : jeniferw
 Sample : FC18326-35
 Misc : MS57416,VN6714,,,,,
 ALS Vial : 18 Sample Multiplier: 1

Quant Time: Sep 05 05:54:42 2024
 Quant Method : C:\msdchem\1\methods\SIMCL_VN6705_082024.M
 Quant Title : Standard Methods 6200B
 QLast Update : Tue Aug 20 14:01:28 2024
 Response via : Initial Calibration



(9) Chloroform

5.310min (+0.007) 0.22ug/L m

response 390

Ion	Exp%	Act%
83.00	100	100
85.00	66.30	72.63
47.00	32.60	52.11
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\090424\
Data File : Z76733.D
Acq On : 4 Sep 2024 11:00 am
Operator : claudias
Sample : FC18326-36 Inst : MSVOA15-Z
Misc : MS57418,VZ3089,,,,,
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Sep 04 11:22:14 2024
Quant Method : C:\msdchem\1\methods\SIMCL-08-28-2024.M
Quant Title : Standard Methods 6200B
QLast Update : Wed Aug 28 11:30:23 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Fluorobenzene	7.895	96	19105	5.00	ug/L	0.00
18) Chlorobenzene-d5	10.975	117	22851	5.00	ug/L	0.00
System Monitoring Compounds						
13) 1,2-Dichloroethane-d4	7.622	65	6701	5.79	ug/L	0.00
Spiked Amount	5.000	Range 74 - 125	Recovery	=	115.80%	
19) Toluene-d8	9.429	98	23848	4.68	ug/L	0.00
Spiked Amount	5.000	Range 88 - 111	Recovery	=	93.60%	
Target Compounds						
5) Methylene Chloride	5.208	49	301	0.10	ug/L	Qvalue 93

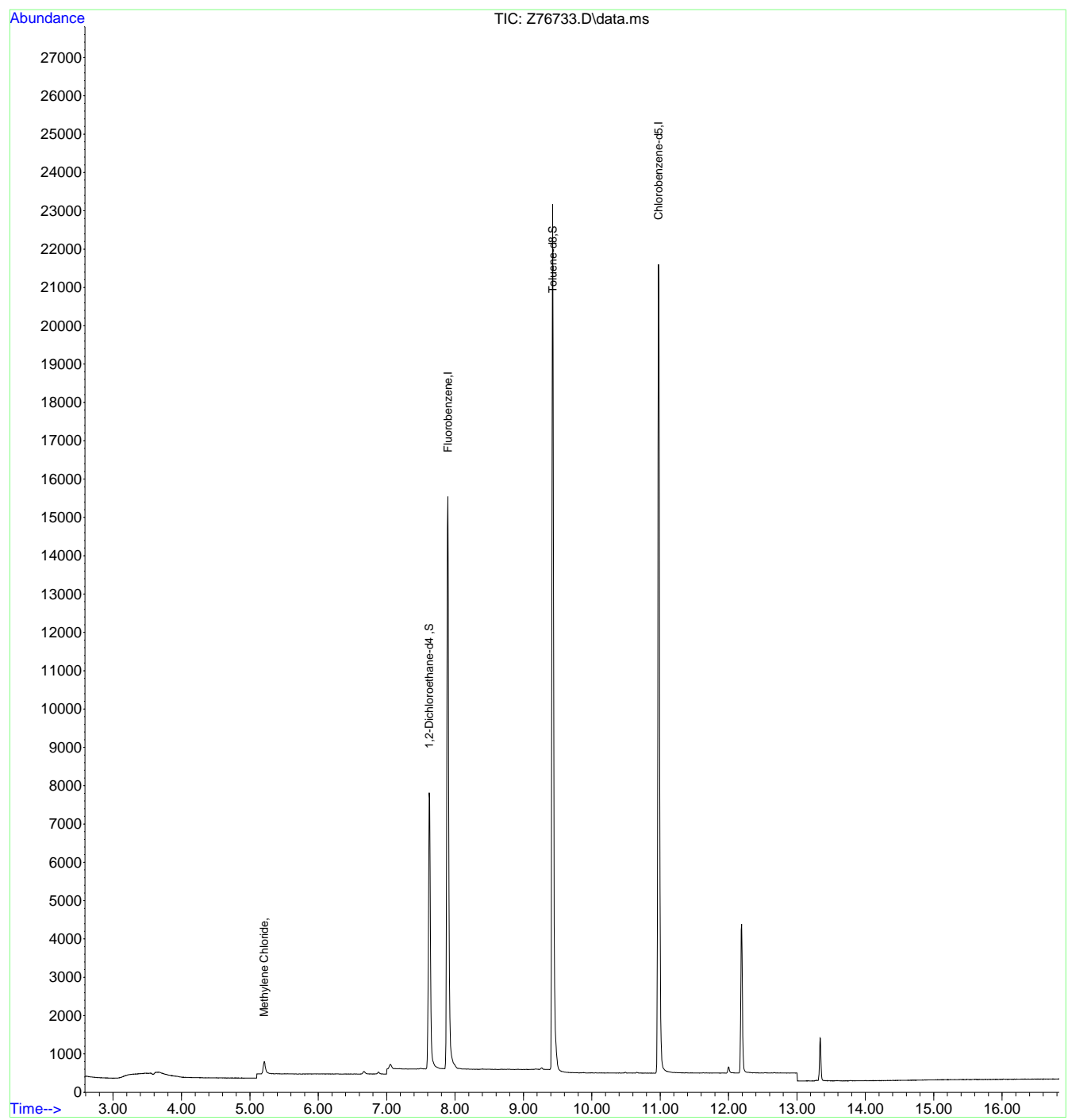
(#) = qualifier out of range (m) = manual integration (+) = signals summed

7.1.36
7

Quantitation Report (QT Reviewed)

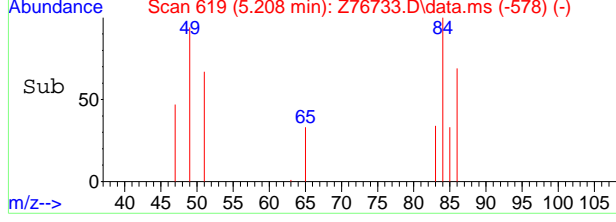
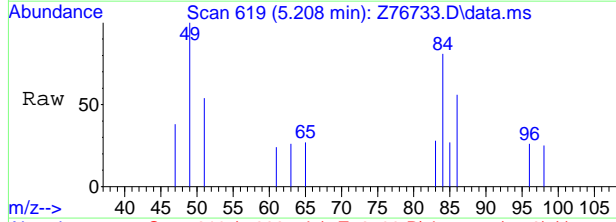
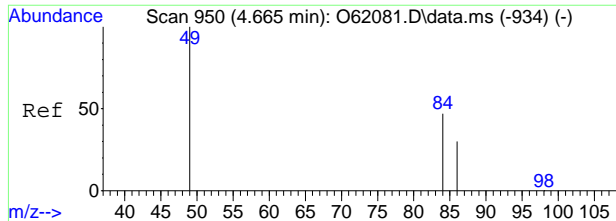
Data Path : C:\msdchem\1\data\090424\
Data File : Z76733.D
Acq On : 4 Sep 2024 11:00 am
Operator : claudias
Sample : FC18326-36 Inst : MSVOA15-Z
Misc : MS57418,VZ3089,,,,,
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Sep 04 11:22:14 2024
Quant Method : C:\msdchem\1\methods\SIMCL-08-28-2024.M
Quant Title : Standard Methods 6200B
QLast Update : Wed Aug 28 11:30:23 2024
Response via : Initial Calibration



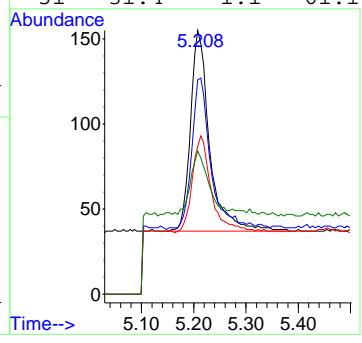
7.1.36
7





#5
 Methylene Chloride
 Concen: 0.10 ug/L
 RT: 5.208 min Scan# 619
 Delta R.T. -0.005 min
 Lab File: Z76733.D
 Acq: 4 Sep 2024 11:00 am

Tgt Ion	Ratio	Lower	Upper
49	100		
84	74.6	49.7	109.7
86	42.4	22.0	82.0
51	31.4	1.1	61.1



7.1.36
7



Manual Integrations
APPROVED
(compounds with "m" flag)
Karen Watson
09/05/24 09:02

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\090424\
Data File : Z76734.D
Acq On : 4 Sep 2024 11:23 am
Operator : claudias
Sample : FC18326-37 Inst : MSVOA15-Z
Misc : MS57418,VZ3089,,,,,
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Sep 04 11:40:52 2024
Quant Method : C:\msdchem\1\methods\SIMCL-08-28-2024.M
Quant Title : Standard Methods 6200B
QLast Update : Wed Aug 28 11:30:23 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	Qvalue

Internal Standards							
1) Fluorobenzene	7.894	96	18991	5.00	ug/L	0.00	
18) Chlorobenzene-d5	10.980	117	22917	5.00	ug/L	0.00	
System Monitoring Compounds							
13) 1,2-Dichloroethane-d4	7.621	65	6765	5.88	ug/L	0.00	
Spiked Amount	5.000	Range 74 - 125	Recovery	=	117.60%		
19) Toluene-d8	9.428	98	23830	4.66	ug/L	0.00	
Spiked Amount	5.000	Range 88 - 111	Recovery	=	93.20%		
Target Compounds							
5) Methylene Chloride	5.208	49	285	0.10	ug/L		94
9) Chloroform	6.877	83	524m	0.15	ug/L		
10) Carbon Tetrachloride	7.051	117	2705	1.09	ug/L		97

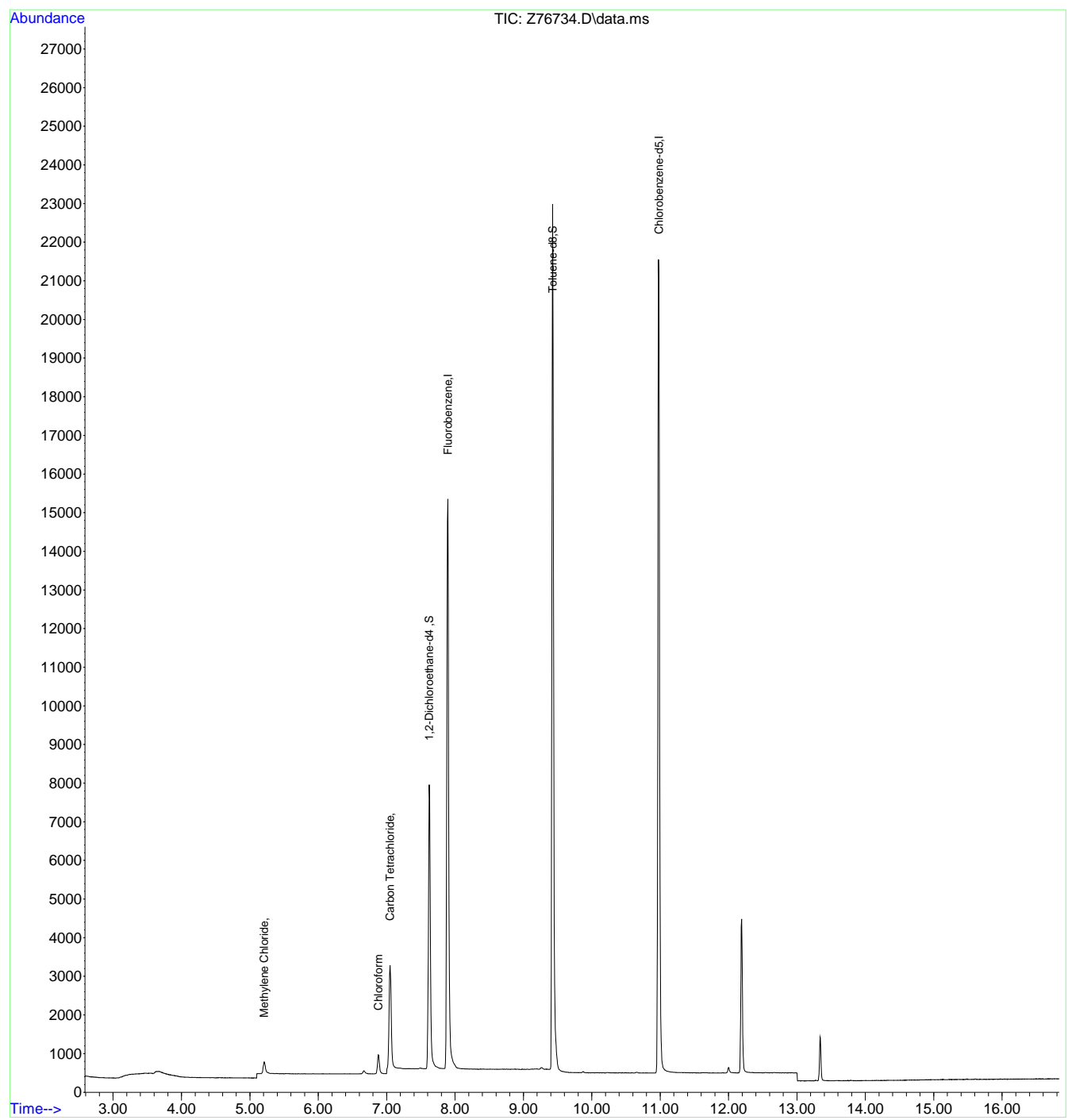
(#) = qualifier out of range (m) = manual integration (+) = signals summed

7.1.37
7

Quantitation Report (QT Reviewed)

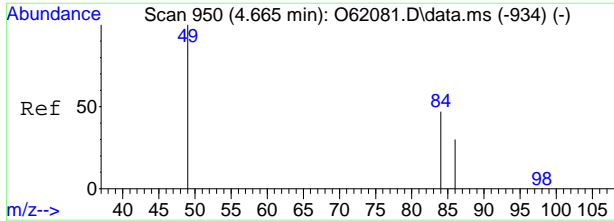
Data Path : C:\msdchem\1\data\090424\
Data File : Z76734.D
Acq On : 4 Sep 2024 11:23 am
Operator : claudias
Sample : FC18326-37 Inst : MSVOA15-Z
Misc : MS57418,VZ3089,,,,,
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Sep 04 11:40:52 2024
Quant Method : C:\msdchem\1\methods\SIMCL-08-28-2024.M
Quant Title : Standard Methods 6200B
QLast Update : Wed Aug 28 11:30:23 2024
Response via : Initial Calibration



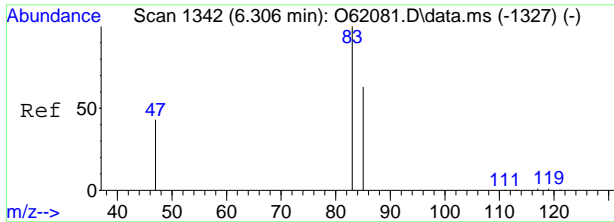
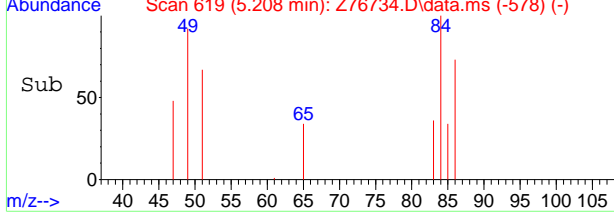
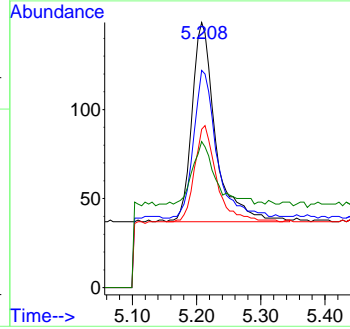
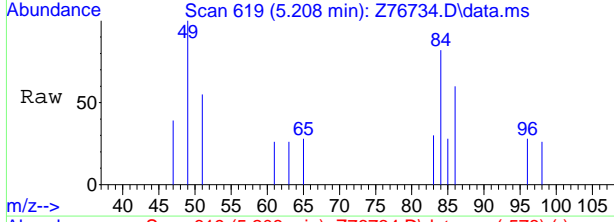
7.1.37
7





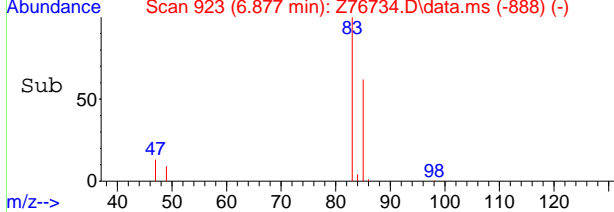
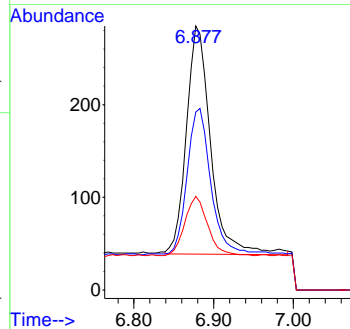
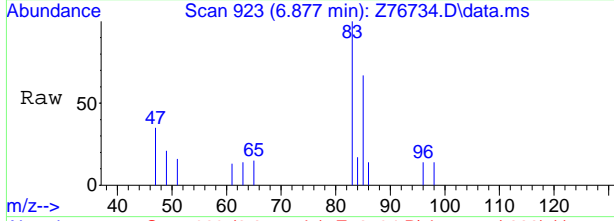
#5
 Methylene Chloride
 Concen: 0.10 ug/L
 RT: 5.208 min Scan# 619
 Delta R.T. -0.005 min
 Lab File: Z76734.D
 Acq: 4 Sep 2024 11:23 am

Tgt Ion	Ratio	Lower	Upper
49	100		
84	74.1	49.7	109.7
86	46.4	22.0	82.0
51	31.3	1.1	61.1



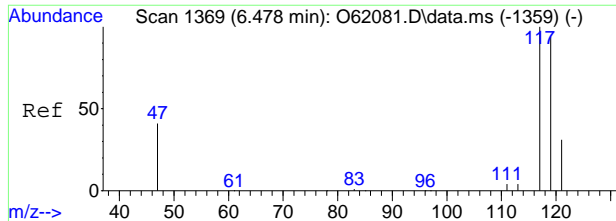
#9
 Chloroform
 Concen: 0.15 ug/L m
 RT: 6.877 min Scan# 923
 Delta R.T. -0.006 min
 Lab File: Z76734.D
 Acq: 4 Sep 2024 11:23 am

Tgt Ion	Ratio	Lower	Upper
83	100		
85	67.4	35.9	95.9
47	35.4	0.0	51.0



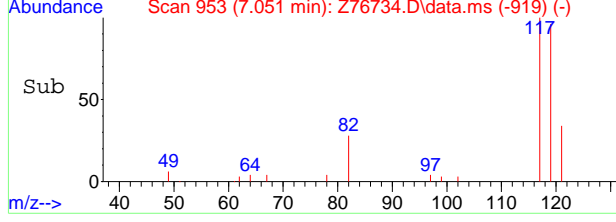
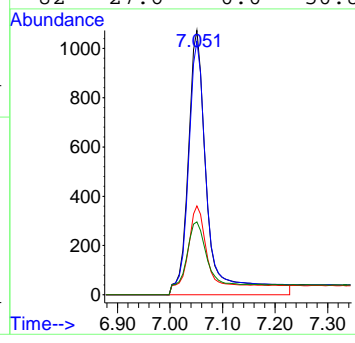
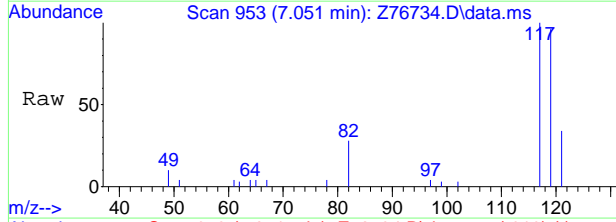
7.1.37
7





#10
 Carbon Tetrachloride
 Concen: 1.09 ug/L
 RT: 7.051 min Scan# 953
 Delta R.T. -0.007 min
 Lab File: Z76734.D
 Acq: 4 Sep 2024 11:23 am

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.9	66.2	126.2
121	33.6	1.2	61.2
82	27.6	0.0	50.8



7.1.37
7



Manual Integration Approval Summary

Sample Number: FC18326-37

Method: SW846 8260D BY SIM

Lab FileID: Z76734.D

Analyst approved: 09/05/24 06:45 Claudia Sosa

Injection Time: 09/04/24 11:23

Supervisor approved: 09/05/24 09:02 Karen Watson

Parameter	CAS	Sig#	R.T. (min.)	Reason
Chloroform	67-66-3		6.88	Poor instrument integration

7:1.37.1

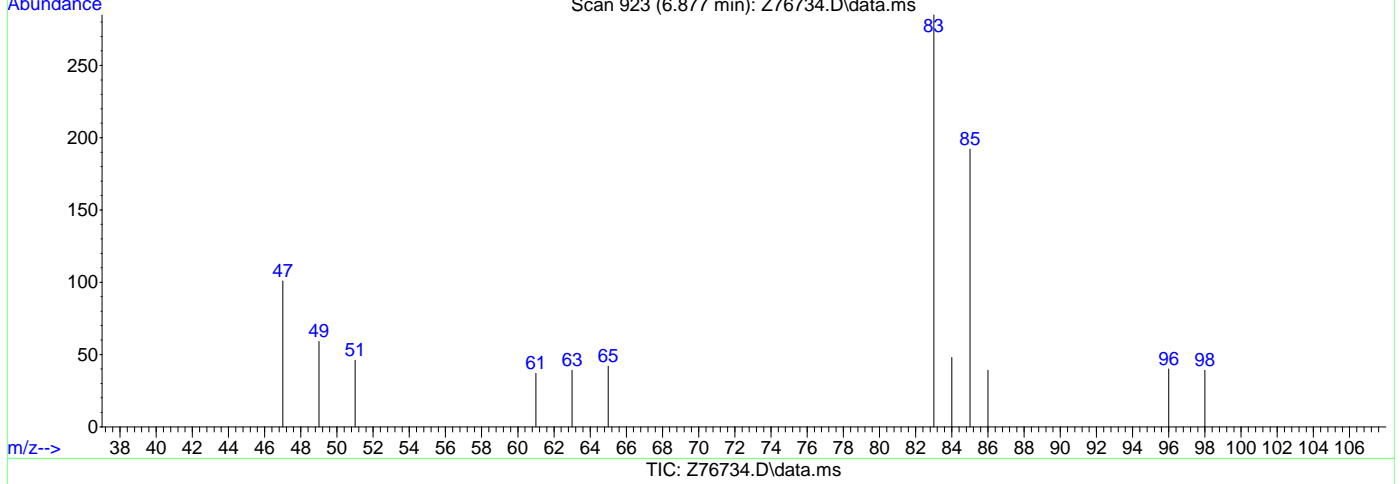
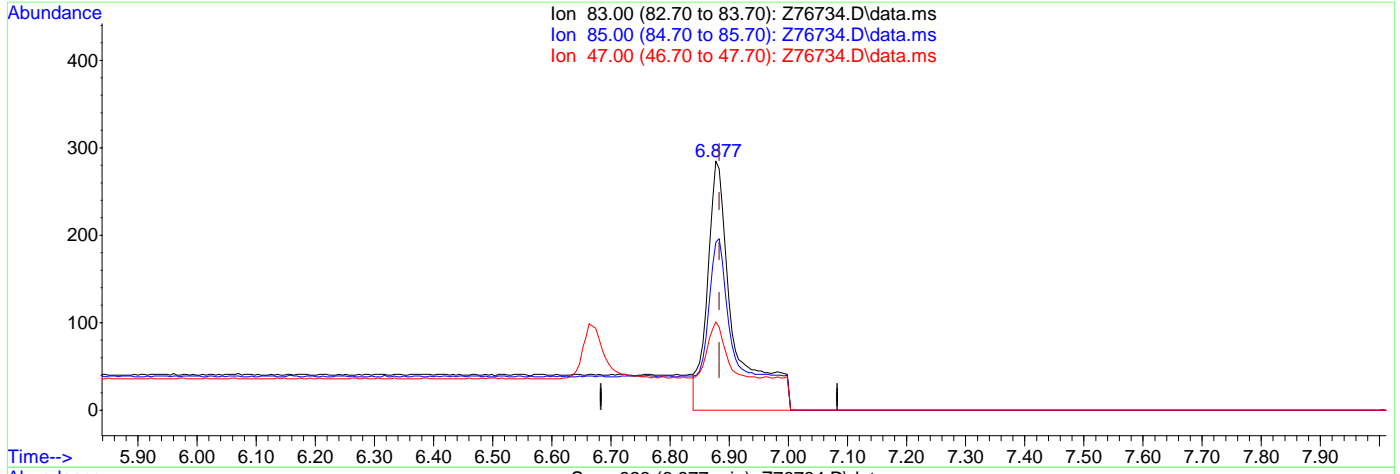
7

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\090424\
Data File : Z76734.D
Acq On : 4 Sep 2024 11:23 am
Operator : claudias
Sample : FC18326-37
Misc : MS57418,VZ3089,,,,,
ALS Vial : 11 Sample Multiplier: 1

Inst : MSVOA15-Z

Quant Time: Sep 04 11:40:24 2024
Quant Method : C:\msdchem\1\methods\SIMCL-08-28-2024.M
Quant Title : Standard Methods 6200B
QLast Update : Wed Aug 28 11:30:23 2024
Response via : Initial Calibration



(9) Chloroform

6.877min (-0.006) 0.27ug/L

response 900

Ion	Exp%	Act%
83.00	100	100
85.00	65.90	67.37
47.00	21.00	35.44
0.00	0.00	0.00

7.1.37.2
7

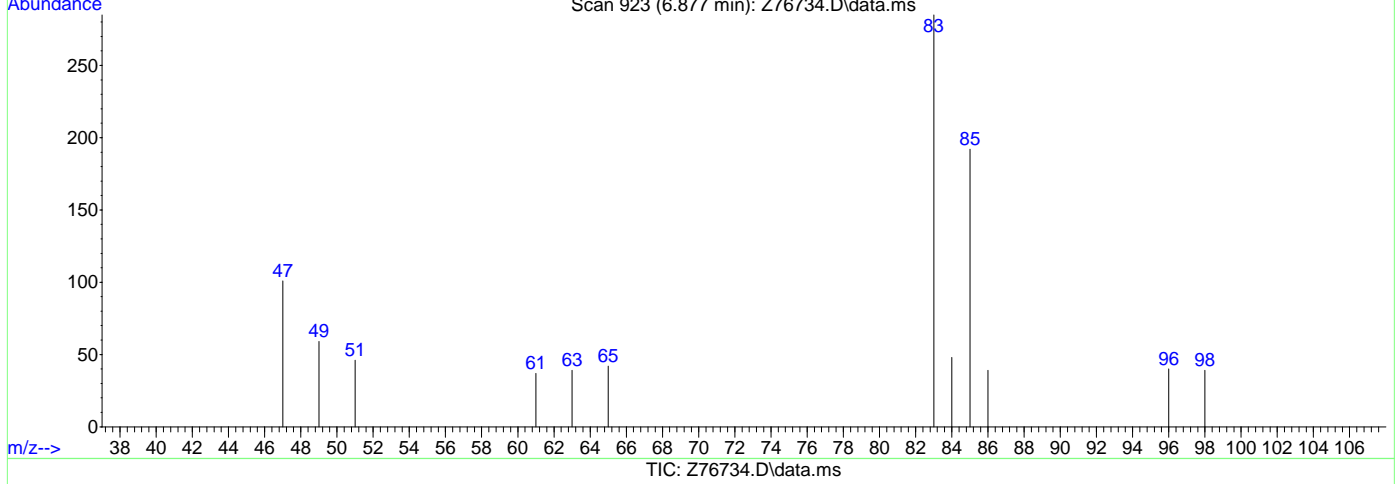
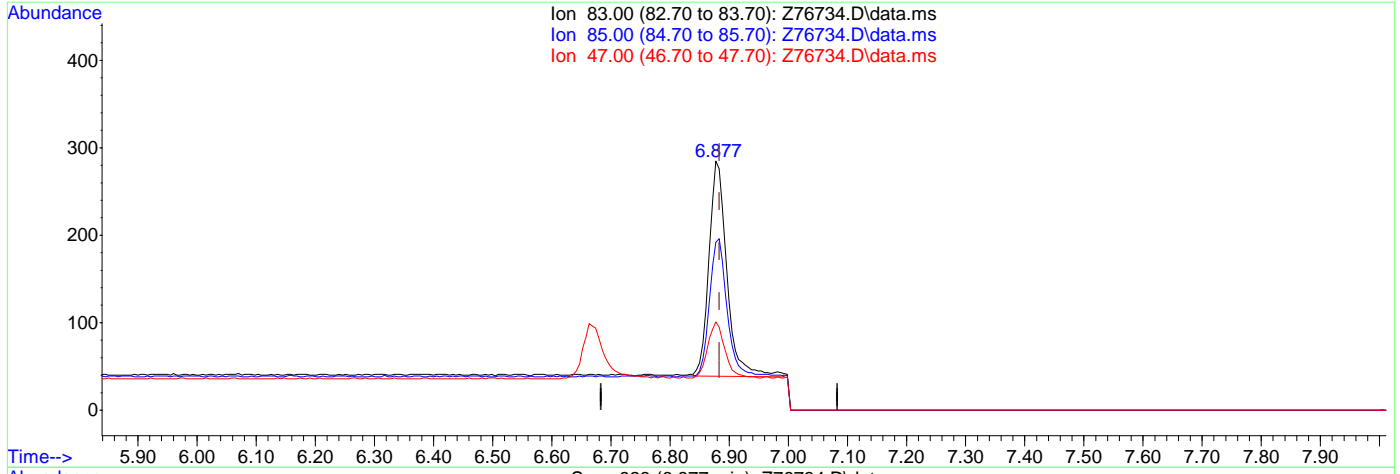


Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\090424\
Data File : Z76734.D
Acq On : 4 Sep 2024 11:23 am
Operator : claudias
Sample : FC18326-37
Misc : MS57418,VZ3089,,,,,
ALS Vial : 11 Sample Multiplier: 1

Inst : MSVOA15-Z

Quant Time: Sep 04 11:40:24 2024
Quant Method : C:\msdchem\1\methods\SIMCL-08-28-2024.M
Quant Title : Standard Methods 6200B
QLast Update : Wed Aug 28 11:30:23 2024
Response via : Initial Calibration



(9) Chloroform

6.877min (-0.006) 0.15ug/L m

response 524

Ion	Exp%	Act%
83.00	100	100
85.00	65.90	67.37
47.00	21.00	35.44
0.00	0.00	0.00



7.1.37.3
7

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\090424\
Data File : Z76729.D
Acq On : 4 Sep 2024 9:29 am
Operator : claudias
Sample : FC18326-38 Inst : MSVOA15-Z
Misc : MS57418,VZ3089,,,,,
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Sep 04 09:53:57 2024
Quant Method : C:\msdchem\1\methods\SIMCL-08-28-2024.M
Quant Title : Standard Methods 6200B
QLast Update : Wed Aug 28 11:30:23 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Fluorobenzene	7.888	96	19041	5.00	ug/L	0.00
18) Chlorobenzene-d5	10.975	117	22883	5.00	ug/L	0.00
System Monitoring Compounds						
13) 1,2-Dichloroethane-d4	7.621	65	6413	5.56	ug/L	0.00
Spiked Amount	5.000	Range 74 - 125	Recovery	=	111.20%	
19) Toluene-d8	9.428	98	23855	4.67	ug/L	0.00
Spiked Amount	5.000	Range 88 - 111	Recovery	=	93.40%	
Target Compounds						
5) Methylene Chloride	5.208	49	549	0.19	ug/L	Qvalue 94

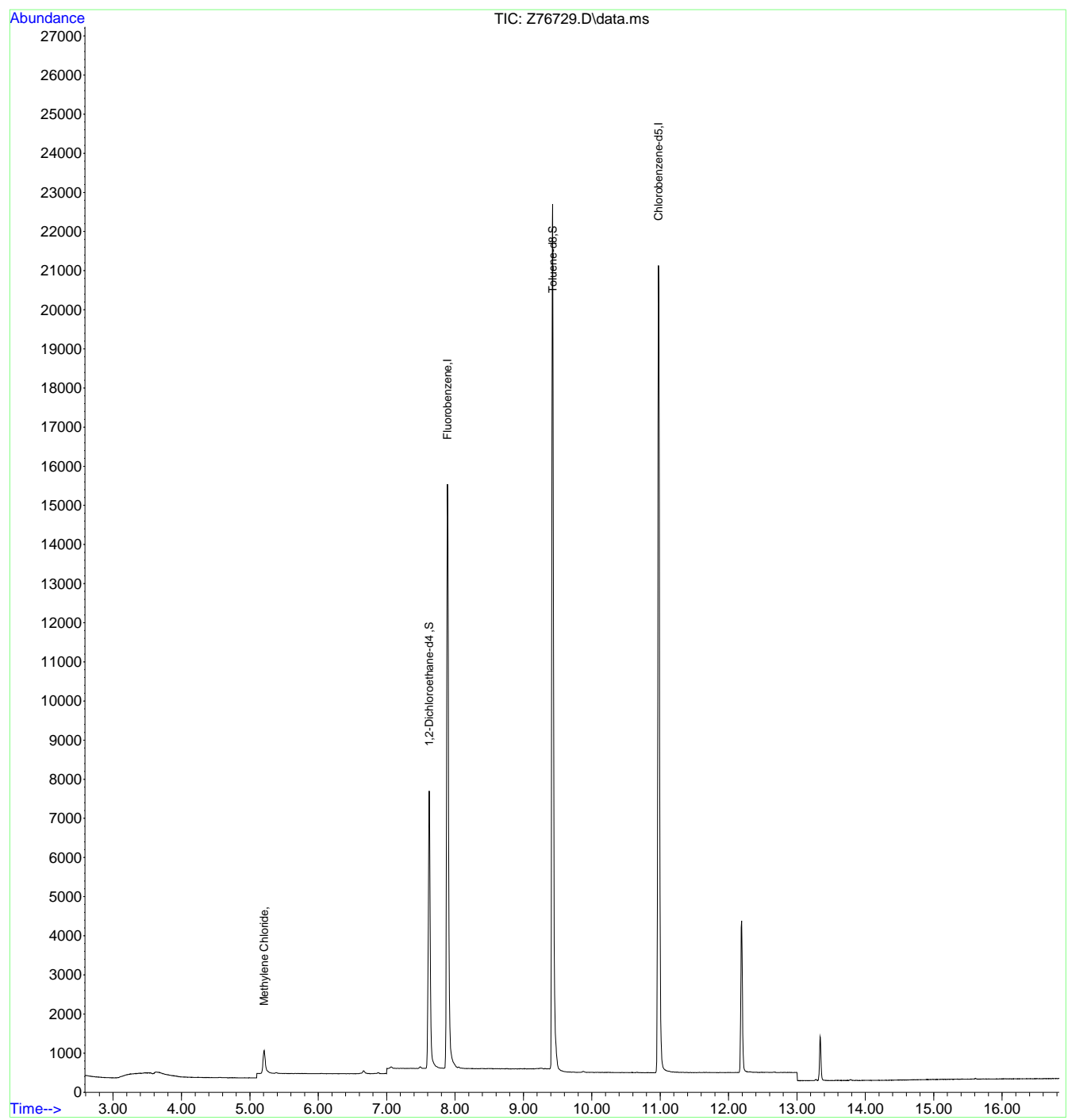
(#) = qualifier out of range (m) = manual integration (+) = signals summed

7.1.38
7

Quantitation Report (QT Reviewed)

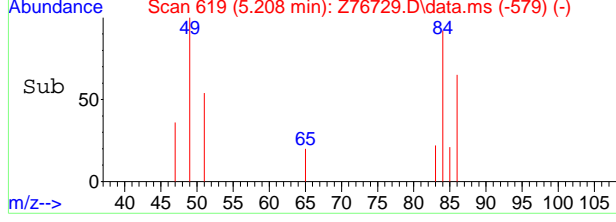
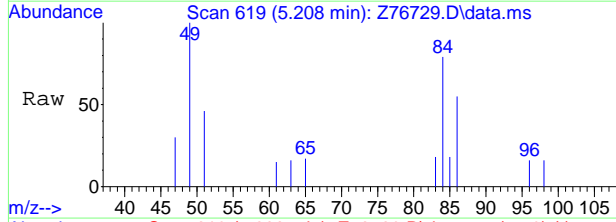
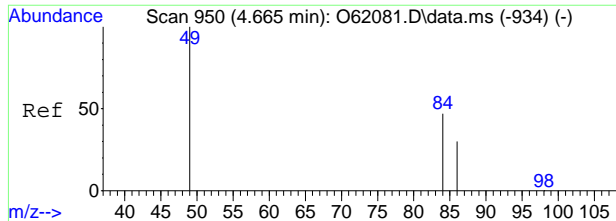
Data Path : C:\msdchem\1\data\090424\
Data File : Z76729.D
Acq On : 4 Sep 2024 9:29 am
Operator : claudias
Sample : FC18326-38 Inst : MSVOA15-Z
Misc : MS57418,VZ3089,,,,,
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Sep 04 09:53:57 2024
Quant Method : C:\msdchem\1\methods\SIMCL-08-28-2024.M
Quant Title : Standard Methods 6200B
QLast Update : Wed Aug 28 11:30:23 2024
Response via : Initial Calibration



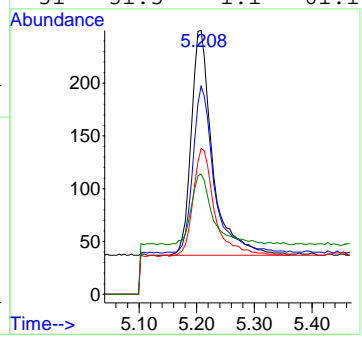
7.1.38
7





#5
 Methylene Chloride
 Concen: 0.19 ug/L
 RT: 5.208 min Scan# 619
 Delta R.T. -0.005 min
 Lab File: Z76729.D
 Acq: 4 Sep 2024 9:29 am

Tgt Ion	Ratio	Lower	Upper
49	100		
84	73.7	49.7	109.7
86	47.4	22.0	82.0
51	31.5	1.1	61.1



7.1.38
7



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\090424\
Data File : Z76735.D
Acq On : 4 Sep 2024 11:46 am
Operator : claudias
Sample : FC18326-39 Inst : MSVOA15-Z
Misc : MS57418,VZ3089,,,,,
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Sep 04 12:08:19 2024
Quant Method : C:\msdchem\1\methods\SIMCL-08-28-2024.M
Quant Title : Standard Methods 6200B
QLast Update : Wed Aug 28 11:30:23 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Fluorobenzene	7.895	96	18706	5.00	ug/L	0.00
18) Chlorobenzene-d5	10.980	117	22357	5.00	ug/L	0.00
System Monitoring Compounds						
13) 1,2-Dichloroethane-d4	7.621	65	6589	5.81	ug/L	0.00
Spiked Amount	5.000	Range 74 - 125	Recovery	=	116.20%	
19) Toluene-d8	9.428	98	23501	4.71	ug/L	0.00
Spiked Amount	5.000	Range 88 - 111	Recovery	=	94.20%	
Target Compounds						
3) Chloromethane	3.104	50	353	0.16	ug/L	80
5) Methylene Chloride	5.208	49	376	0.13	ug/L	92
15) Trichloroethene	8.061	95	1045	0.70	ug/L	88
21) Tetrachloroethene	9.869	166	81	0.05	ug/L #	86

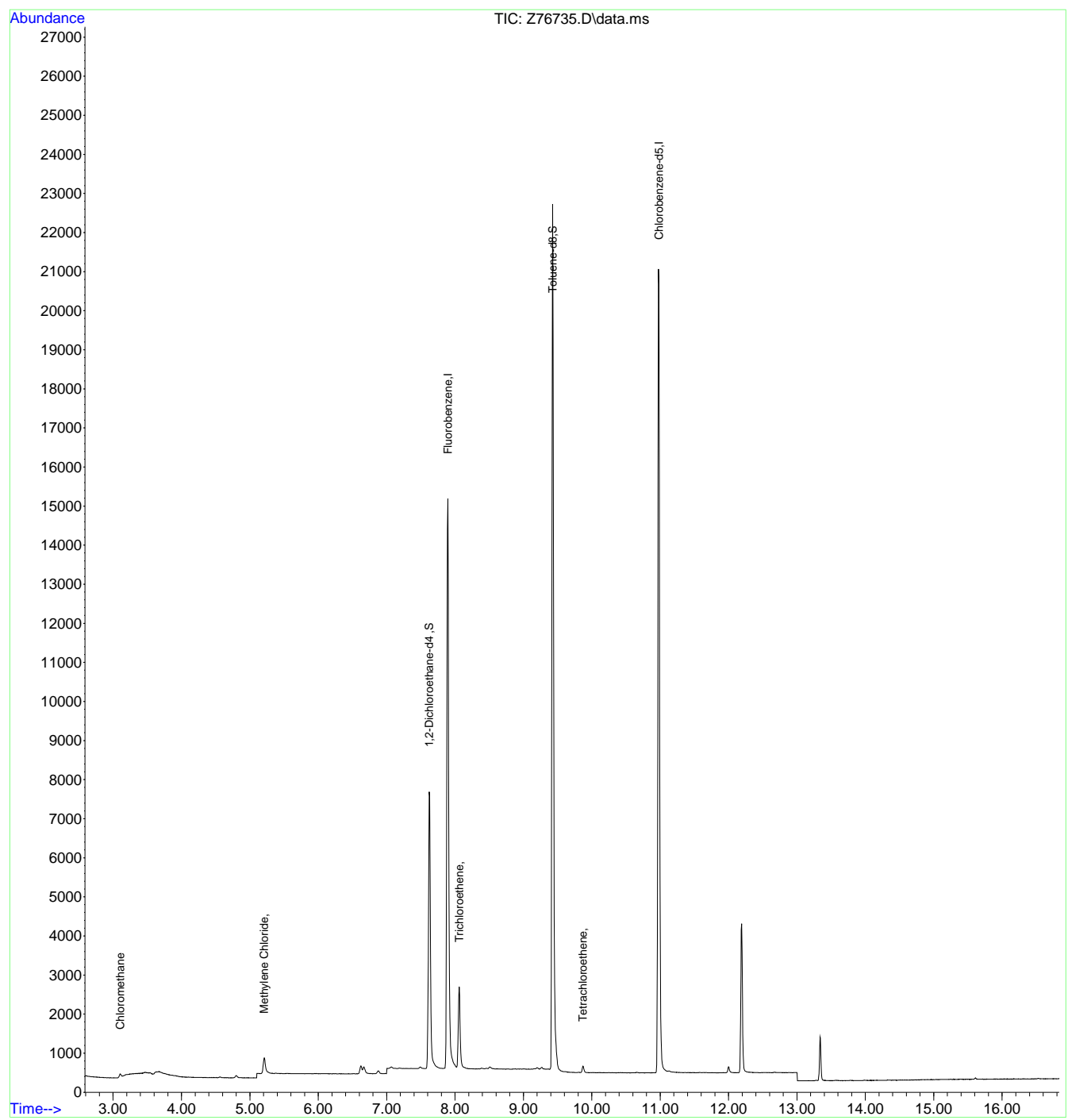
(#) = qualifier out of range (m) = manual integration (+) = signals summed

7.1.39
7

Quantitation Report (QT Reviewed)

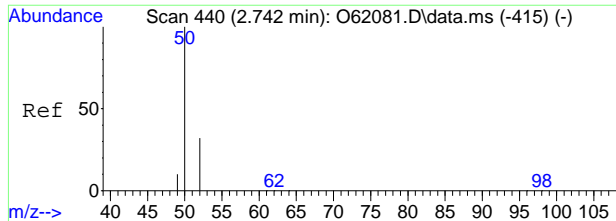
Data Path : C:\msdchem\1\data\090424\
Data File : Z76735.D
Acq On : 4 Sep 2024 11:46 am
Operator : claudias
Sample : FC18326-39 Inst : MSVOA15-Z
Misc : MS57418,VZ3089,,,,,
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Sep 04 12:08:19 2024
Quant Method : C:\msdchem\1\methods\SIMCL-08-28-2024.M
Quant Title : Standard Methods 6200B
QLast Update : Wed Aug 28 11:30:23 2024
Response via : Initial Calibration

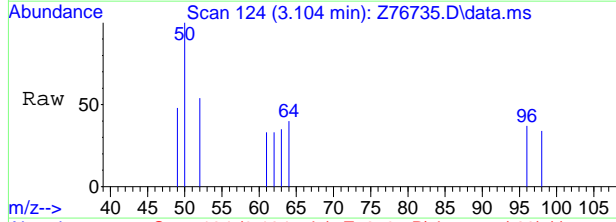


7.1.39
7



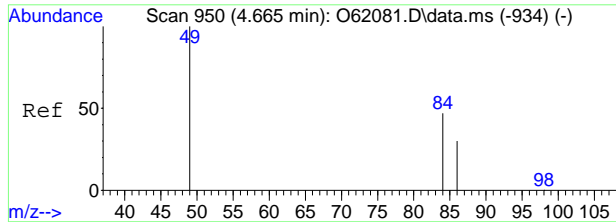
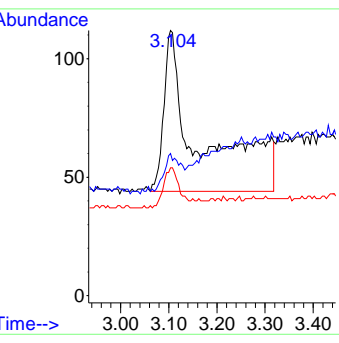
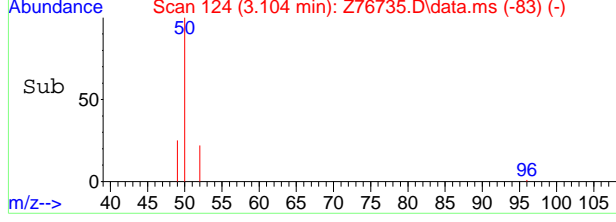


#3
 Chloromethane
 Concen: 0.16 ug/L
 RT: 3.104 min Scan# 124
 Delta R.T. -0.029 min
 Lab File: Z76735.D
 Acq: 4 Sep 2024 11:46 am

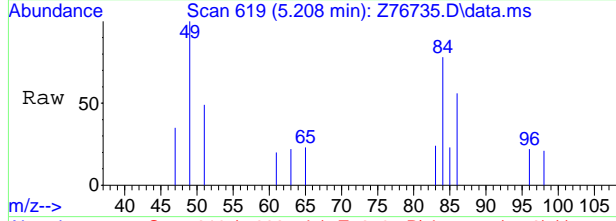


Tgt Ion: 50 Resp: 353

Ion	Ratio	Lower	Upper
50	100		
52	23.5	2.1	62.1
49	23.5	0.0	41.2

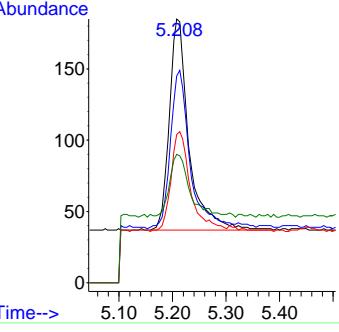
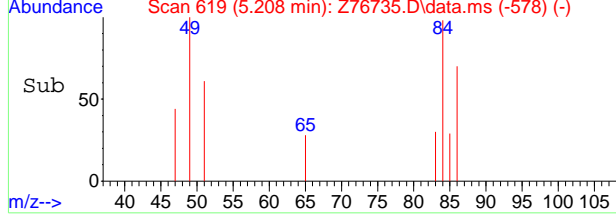


#5
 Methylene Chloride
 Concen: 0.13 ug/L
 RT: 5.208 min Scan# 619
 Delta R.T. -0.005 min
 Lab File: Z76735.D
 Acq: 4 Sep 2024 11:46 am



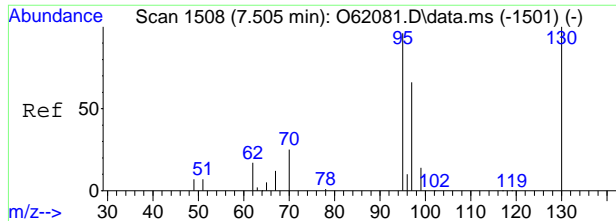
Tgt Ion: 49 Resp: 376

Ion	Ratio	Lower	Upper
49	100		
84	71.6	49.7	109.7
86	45.9	22.0	82.0
51	28.4	1.1	61.1

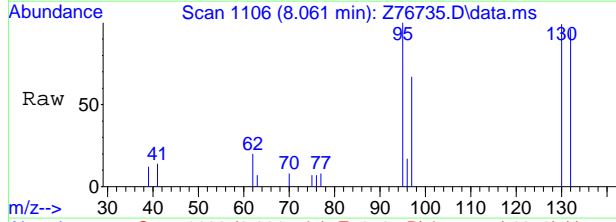


7.1.39
7



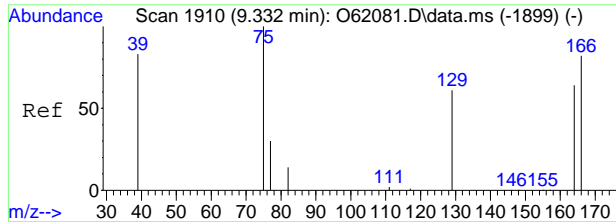
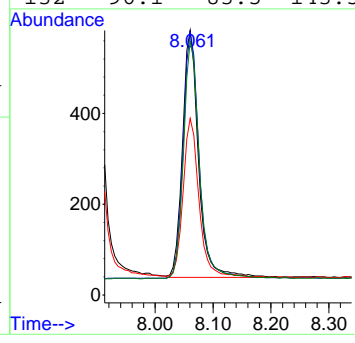
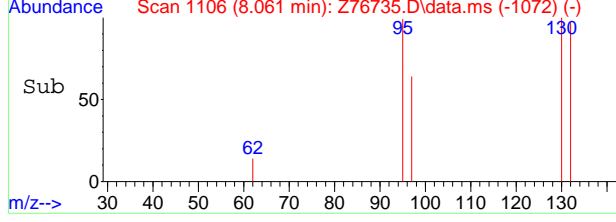


#15
 Trichloroethene
 Concen: 0.70 ug/L
 RT: 8.061 min Scan# 1106
 Delta R.T. -0.000 min
 Lab File: Z76735.D
 Acq: 4 Sep 2024 11:46 am

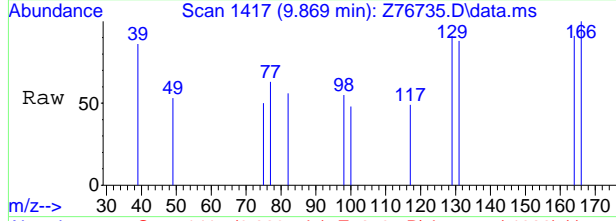


Tgt Ion: 95 Resp: 1045

Ion	Ratio	Lower	Upper
95	100		
130	99.6	84.5	144.5
97	64.2	36.4	96.4
132	96.1	83.5	143.5

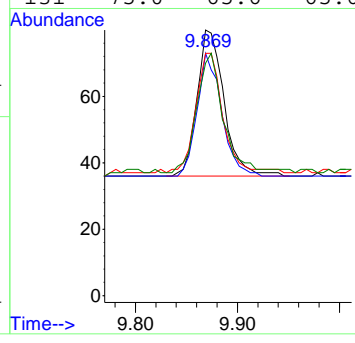
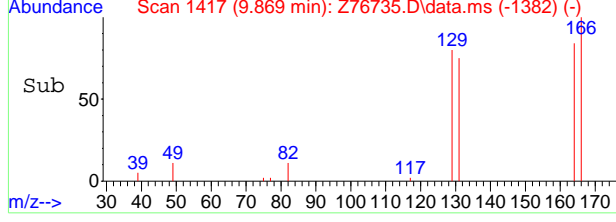


#21
 Tetrachloroethene
 Concen: 0.05 ug/L
 RT: 9.869 min Scan# 1417
 Delta R.T. -0.005 min
 Lab File: Z76735.D
 Acq: 4 Sep 2024 11:46 am



Tgt Ion: 166 Resp: 81

Ion	Ratio	Lower	Upper
166	100		
164	84.1	47.5	107.5
129	81.8	34.2	94.2
131	75.0	65.6	65.6#



7.1.39
7



Manual Integrations
APPROVED
(compounds with "m" flag)
Karen Watson
09/05/24 09:02

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\090424\
Data File : Z76736.D
Acq On : 4 Sep 2024 12:08 pm
Operator : claudias
Sample : FC18326-40 Inst : MSVOA15-Z
Misc : MS57418,VZ3089,,,,,
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Sep 04 12:26:31 2024
Quant Method : C:\msdchem\1\methods\SIMCL-08-28-2024.M
Quant Title : Standard Methods 6200B
QLast Update : Wed Aug 28 11:30:23 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	

Internal Standards							
1) Fluorobenzene	7.895	96	18972	5.00	ug/L	0.00	
18) Chlorobenzene-d5	10.975	117	22622	5.00	ug/L	0.00	
System Monitoring Compounds							
13) 1,2-Dichloroethane-d4	7.621	65	6690	5.82	ug/L	0.00	
Spiked Amount	5.000	Range	74 - 125	Recovery	=	116.40%	
19) Toluene-d8	9.428	98	23671	4.69	ug/L	0.00	
Spiked Amount	5.000	Range	88 - 111	Recovery	=	93.80%	
Target Compounds							
5) Methylene Chloride	5.208	49	276	0.09	ug/L		Qvalue 91
9) Chloroform	6.883	83	347m	0.10	ug/L		
10) Carbon Tetrachloride	7.051	117	1600m	0.64	ug/L		
15) Trichloroethene	8.061	95	256	0.17	ug/L		84

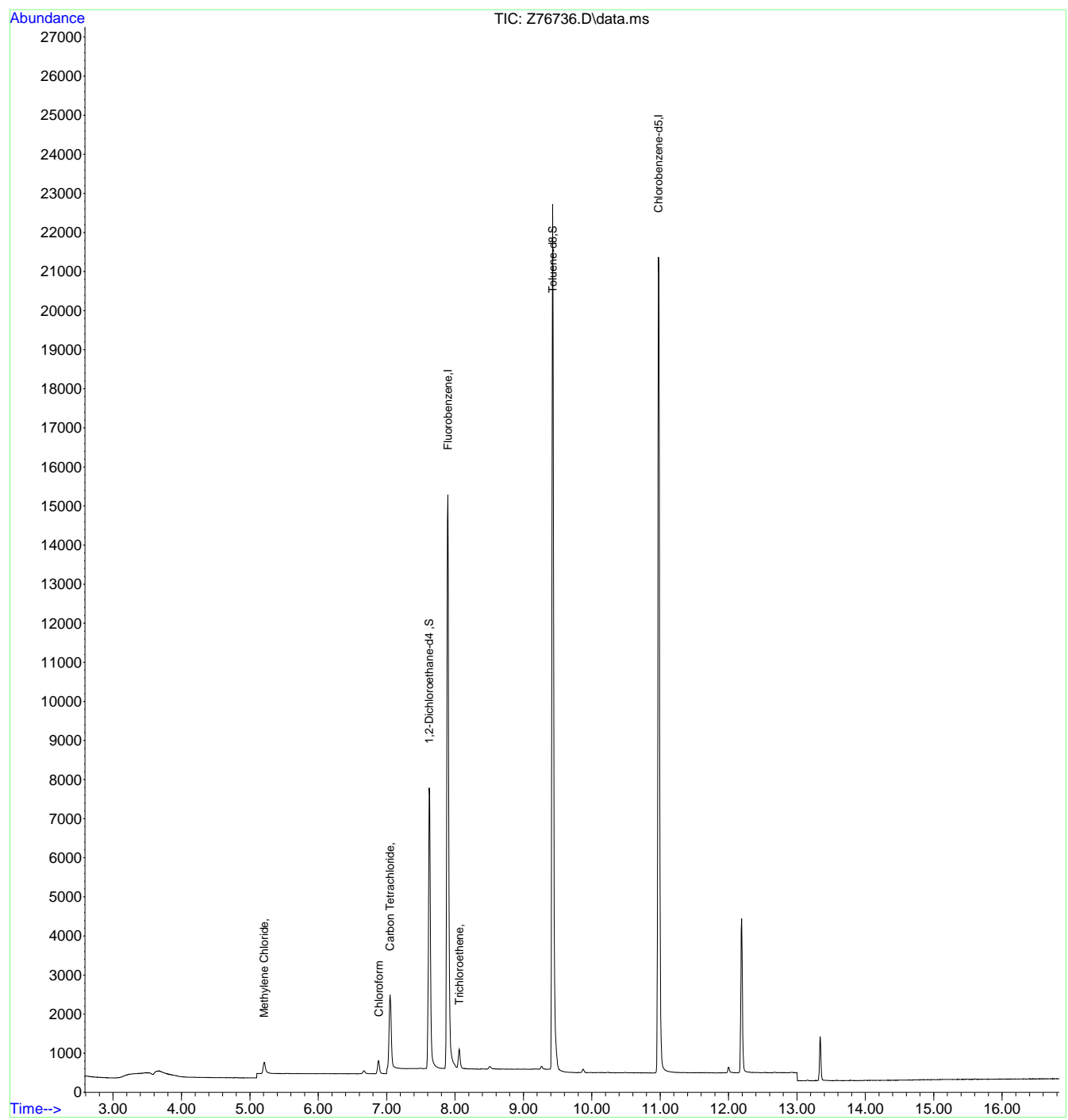
(#) = qualifier out of range (m) = manual integration (+) = signals summed

7.1.40
7

Quantitation Report (QT Reviewed)

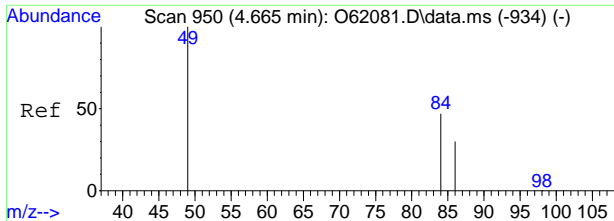
Data Path : C:\msdchem\1\data\090424\
Data File : Z76736.D
Acq On : 4 Sep 2024 12:08 pm
Operator : claudias
Sample : FC18326-40 Inst : MSVOA15-Z
Misc : MS57418,VZ3089,,,,,
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Sep 04 12:26:31 2024
Quant Method : C:\msdchem\1\methods\SIMCL-08-28-2024.M
Quant Title : Standard Methods 6200B
QLast Update : Wed Aug 28 11:30:23 2024
Response via : Initial Calibration



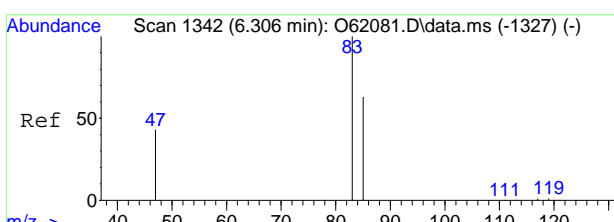
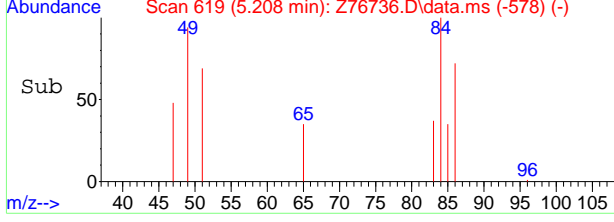
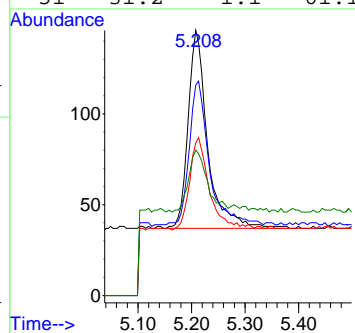
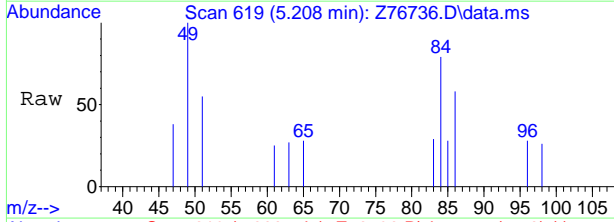
7.1.40
7





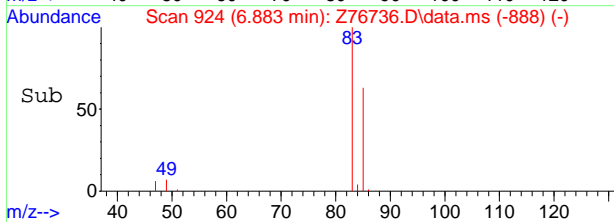
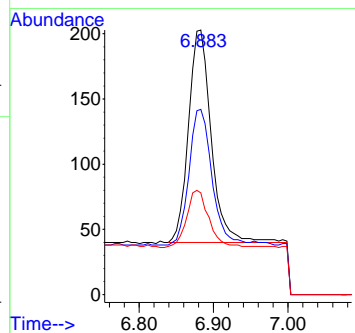
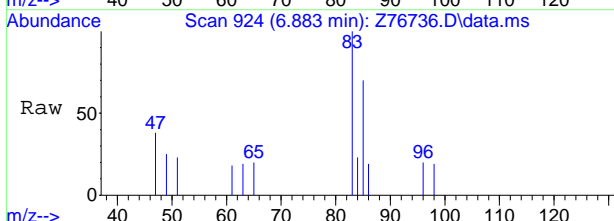
#5
 Methylene Chloride
 Concen: 0.09 ug/L
 RT: 5.208 min Scan# 619
 Delta R.T. -0.005 min
 Lab File: Z76736.D
 Acq: 4 Sep 2024 12:08 pm

Tgt Ion	Ratio	Lower	Upper
49	100		
84	70.6	49.7	109.7
86	43.1	22.0	82.0
51	31.2	1.1	61.1



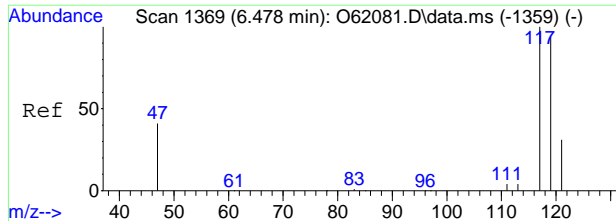
#9
 Chloroform
 Concen: 0.10 ug/L m
 RT: 6.883 min Scan# 924
 Delta R.T. 0.000 min
 Lab File: Z76736.D
 Acq: 4 Sep 2024 12:08 pm

Tgt Ion	Ratio	Lower	Upper
83	100		
85	70.0	35.9	95.9
47	38.4	0.0	51.0



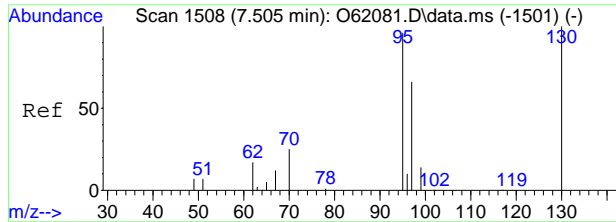
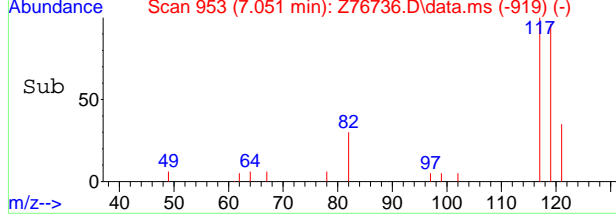
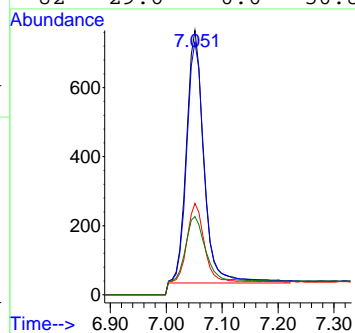
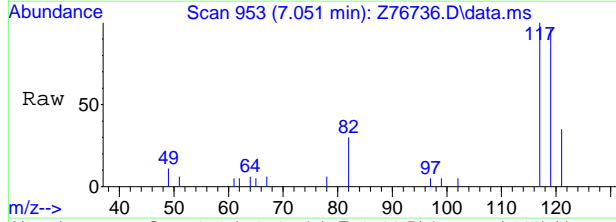
7.1.40
7





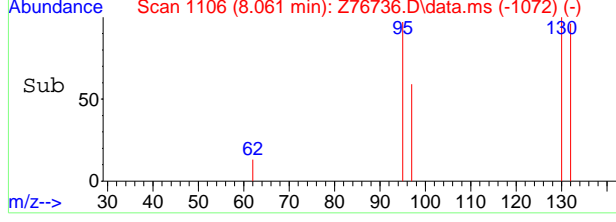
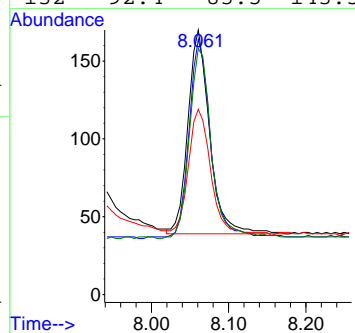
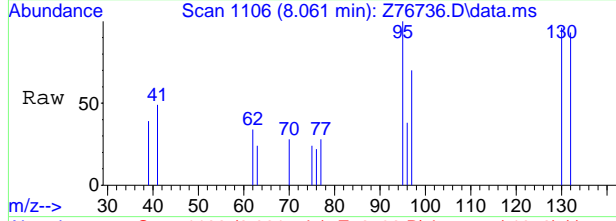
#10
Carbon Tetrachloride
Concen: 0.64 ug/L m
RT: 7.051 min Scan# 953
Delta R.T. -0.007 min
Lab File: Z76736.D
Acq: 4 Sep 2024 12:08 pm

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.6	66.2	126.2
121	34.6	1.2	61.2
82	29.6	0.0	50.8



#15
Trichloroethene
Concen: 0.17 ug/L
RT: 8.061 min Scan# 1106
Delta R.T. -0.000 min
Lab File: Z76736.D
Acq: 4 Sep 2024 12:08 pm

Tgt Ion	Ratio	Lower	Upper
95	100		
130	96.9	84.5	144.5
97	60.3	36.4	96.4
132	92.4	83.5	143.5



Manual Integration Approval Summary

Sample Number: FC18326-40 **Method:** SW846 8260D BY SIM
Lab FileID: Z76736.D **Analyst approved:** 09/05/24 06:45 Claudia Sosa
Injection Time: 09/04/24 12:08 **Supervisor approved:** 09/05/24 09:02 Karen Watson

Parameter	CAS	Sig#	R.T. (min.)	Reason
Chloroform	67-66-3		6.88	Poor instrument integration
Carbon Tetrachloride	56-23-5		7.05	Poor instrument integration

7.1.40.1

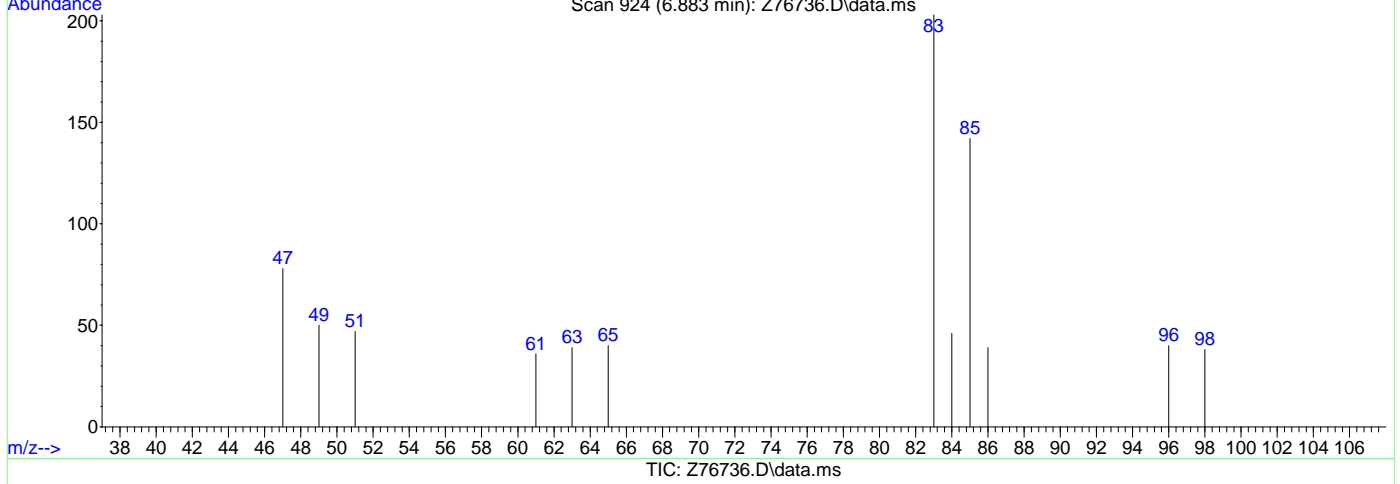
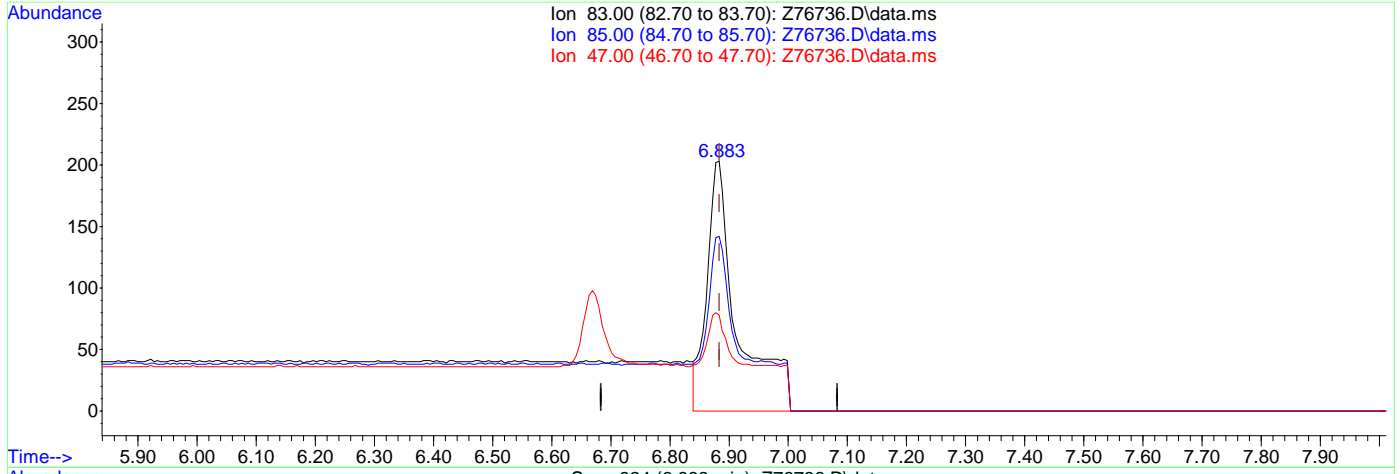
7

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\090424\
Data File : Z76736.D
Acq On : 4 Sep 2024 12:08 pm
Operator : claudias
Sample : FC18328-40
Misc : MS57418,VZ3089,,,,,
ALS Vial : 13 Sample Multiplier: 1

Inst : MSVOA15-Z

Quant Time: Sep 04 12:25:57 2024
Quant Method : C:\msdchem\1\methods\SIMCL-08-28-2024.M
Quant Title : Standard Methods 6200B
QLast Update : Wed Aug 28 11:30:23 2024
Response via : Initial Calibration



(9) Chloroform

6.883min (+0.000) 0.22ug/L

response 735

Ion	Exp%	Act%
83.00	100	100
85.00	65.90	69.95
47.00	21.00	38.42
0.00	0.00	0.00



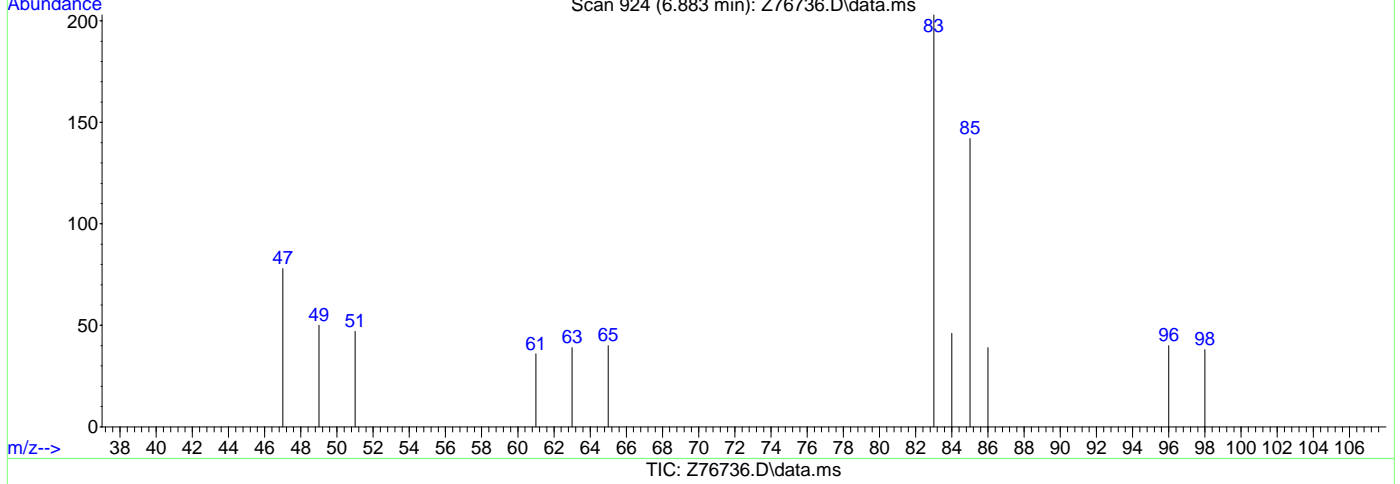
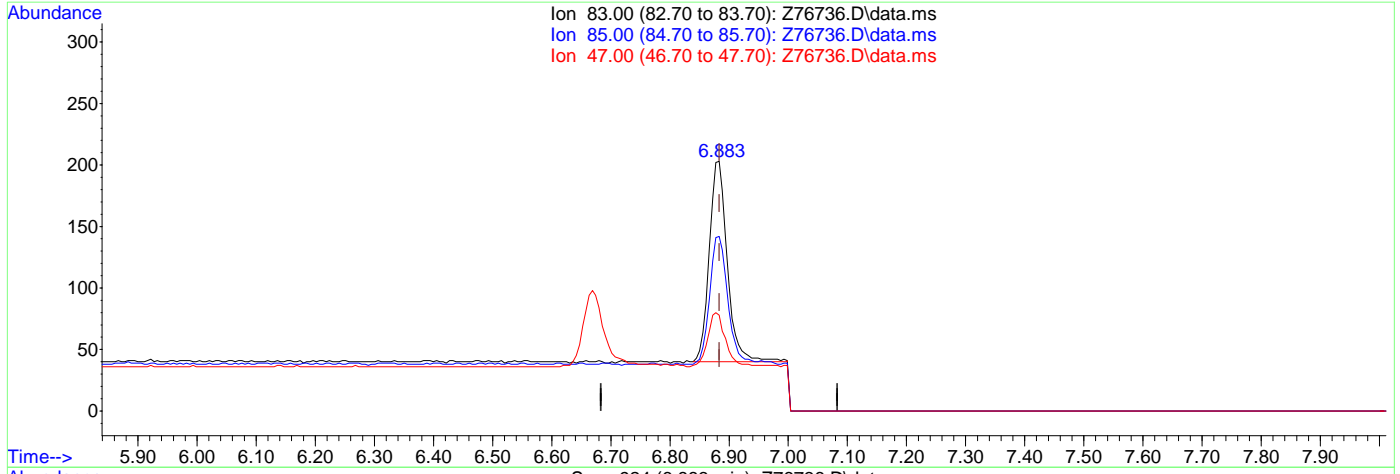
7.1402
7

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\090424\
Data File : Z76736.D
Acq On : 4 Sep 2024 12:08 pm
Operator : claudias
Sample : FC18328-40
Misc : MS57418,VZ3089,,,,,
ALS Vial : 13 Sample Multiplier: 1

Inst : MSVOA15-Z

Quant Time: Sep 04 12:25:57 2024
Quant Method : C:\msdchem\1\methods\SIMCL-08-28-2024.M
Quant Title : Standard Methods 6200B
QLast Update : Wed Aug 28 11:30:23 2024
Response via : Initial Calibration



(9) Chloroform

6.883min (+0.000) 0.10ug/L m

response 347

Ion	Exp%	Act%
83.00	100	100
85.00	65.90	69.95
47.00	21.00	38.42
0.00	0.00	0.00



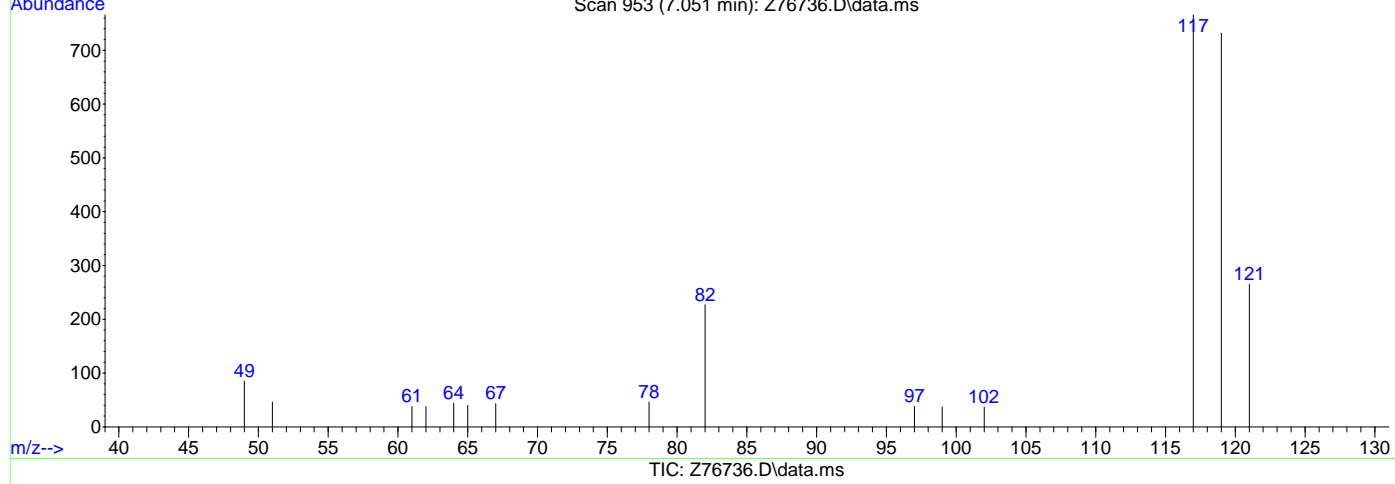
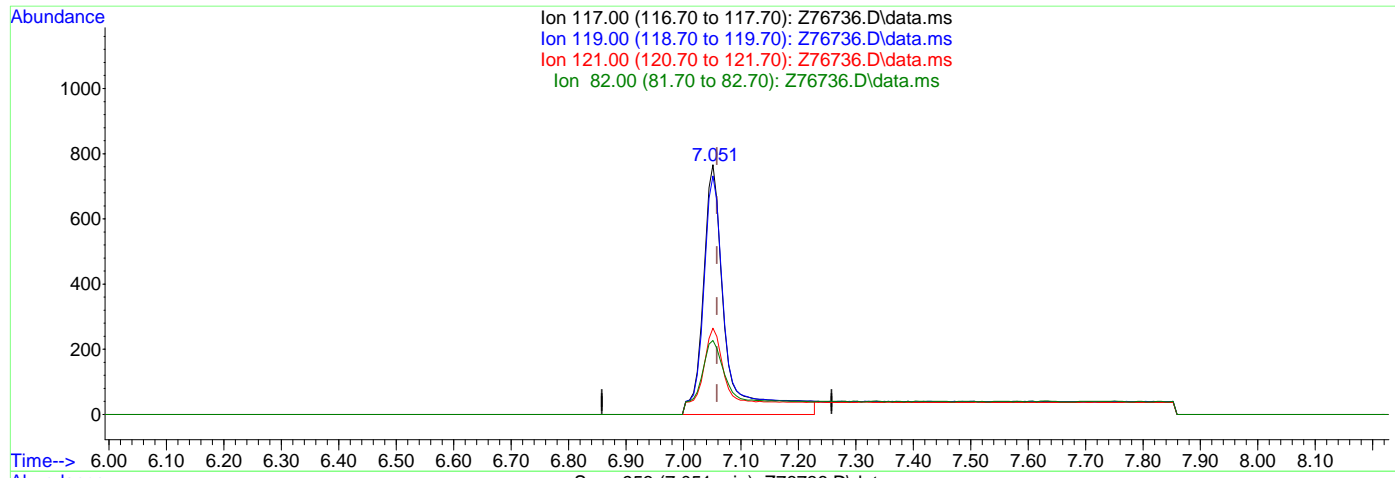
7.1.40.3
7

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\090424\
Data File : Z76736.D
Acq On : 4 Sep 2024 12:08 pm
Operator : claudias
Sample : FC18328-40
Misc : MS57418,VZ3089,,,,,
ALS Vial : 13 Sample Multiplier: 1

Inst : MSVOA15-Z

Quant Time: Sep 04 12:25:57 2024
Quant Method : C:\msdchem\1\methods\SIMCL-08-28-2024.M
Quant Title : Standard Methods 6200B
QLast Update : Wed Aug 28 11:30:23 2024
Response via : Initial Calibration



(10) Carbon Tetrachloride ()

7.051min (-0.007) 0.82ug/L

response 2053

Ion	Exp%	Act%
117.00	100	100
119.00	96.20	95.56
121.00	31.20	34.60
82.00	20.80	29.63

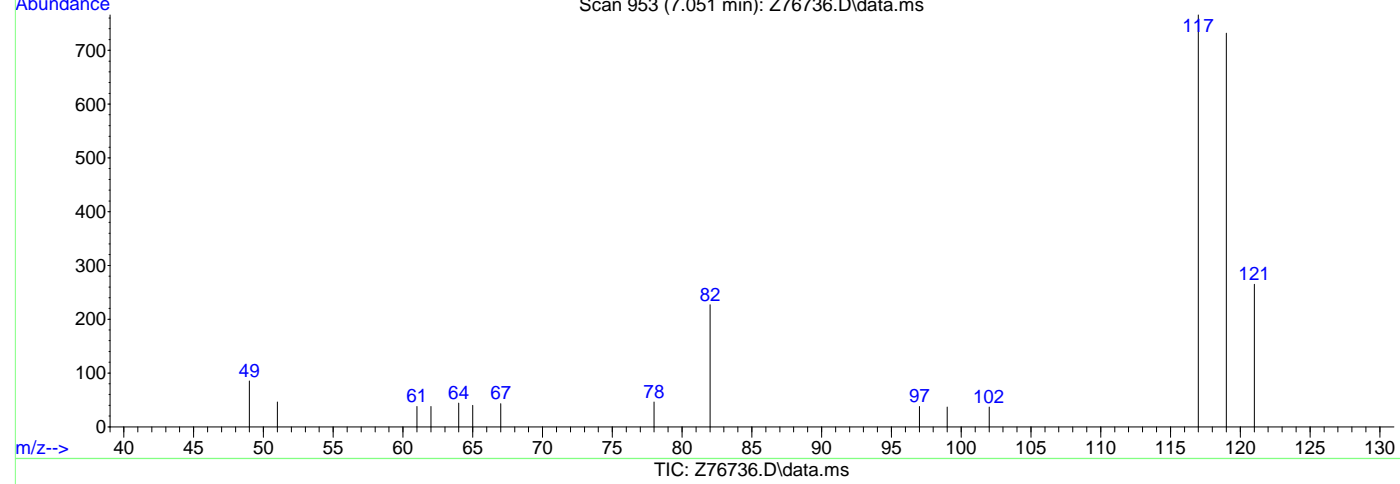
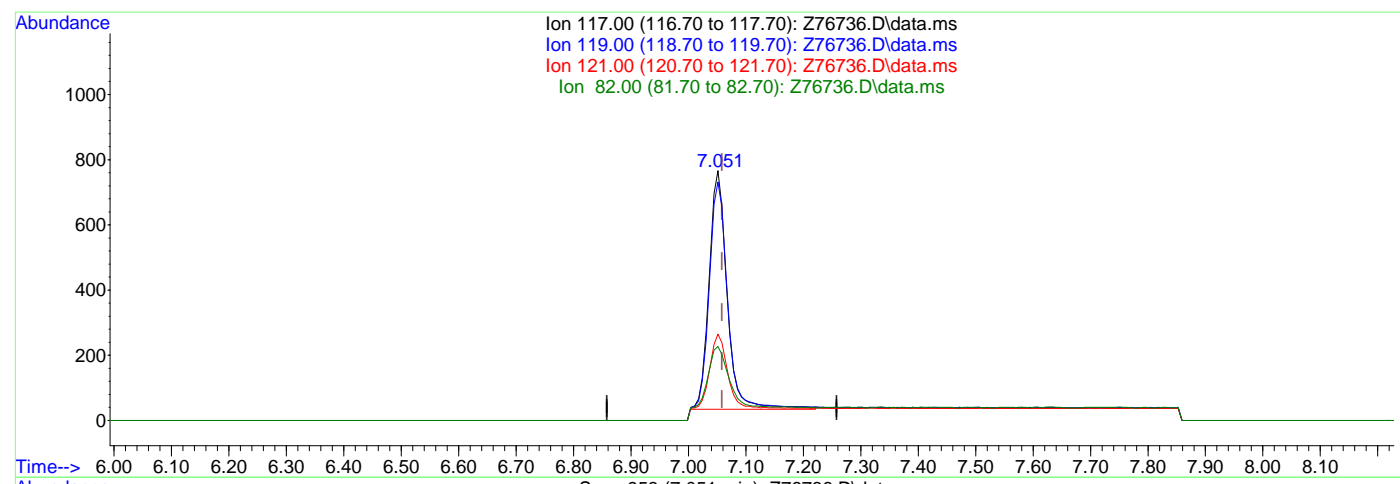


7.1404
7

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\090424\
Data File : Z76736.D
Acq On : 4 Sep 2024 12:08 pm
Operator : claudias
Sample : FC18328-40
Misc : MS57418,VZ3089,,,,,
ALS Vial : 13 Sample Multiplier: 1
Inst : MSVOA15-Z

Quant Time: Sep 04 12:25:57 2024
Quant Method : C:\msdchem\1\methods\SIMCL-08-28-2024.M
Quant Title : Standard Methods 6200B
QLast Update : Wed Aug 28 11:30:23 2024
Response via : Initial Calibration



(10) Carbon Tetrachloride ()

7.051min (-0.007) 0.64ug/L m

response 1600

Ion	Exp%	Act%
117.00	100	100
119.00	96.20	95.56
121.00	31.20	34.60
82.00	20.80	29.63



7.1.40.5
7

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\090424\
Data File : Z76737.D
Acq On : 4 Sep 2024 12:31 pm
Operator : claudias
Sample : FC18326-41 Inst : MSVOA15-Z
Misc : MS57418,VZ3089,,,,,
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Sep 04 12:50:39 2024
Quant Method : C:\msdchem\1\methods\SIMCL-08-28-2024.M
Quant Title : Standard Methods 6200B
QLast Update : Wed Aug 28 11:30:23 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	Qvalue

Internal Standards							
1) Fluorobenzene	7.894	96	18598	5.00	ug/L	0.00	
18) Chlorobenzene-d5	10.980	117	22166	5.00	ug/L	0.00	
System Monitoring Compounds							
13) 1,2-Dichloroethane-d4	7.621	65	6562	5.82	ug/L	0.00	
Spiked Amount	5.000	Range 74 - 125	Recovery	=	116.40%		
19) Toluene-d8	9.428	98	23422	4.74	ug/L	0.00	
Spiked Amount	5.000	Range 88 - 111	Recovery	=	94.80%		
Target Compounds							
5) Methylene Chloride	5.208	49	294	0.10	ug/L		92
9) Chloroform	6.883	83	432m	0.13	ug/L		
15) Trichloroethene	8.060	95	3049	2.06	ug/L		88

(#) = qualifier out of range (m) = manual integration (+) = signals summed

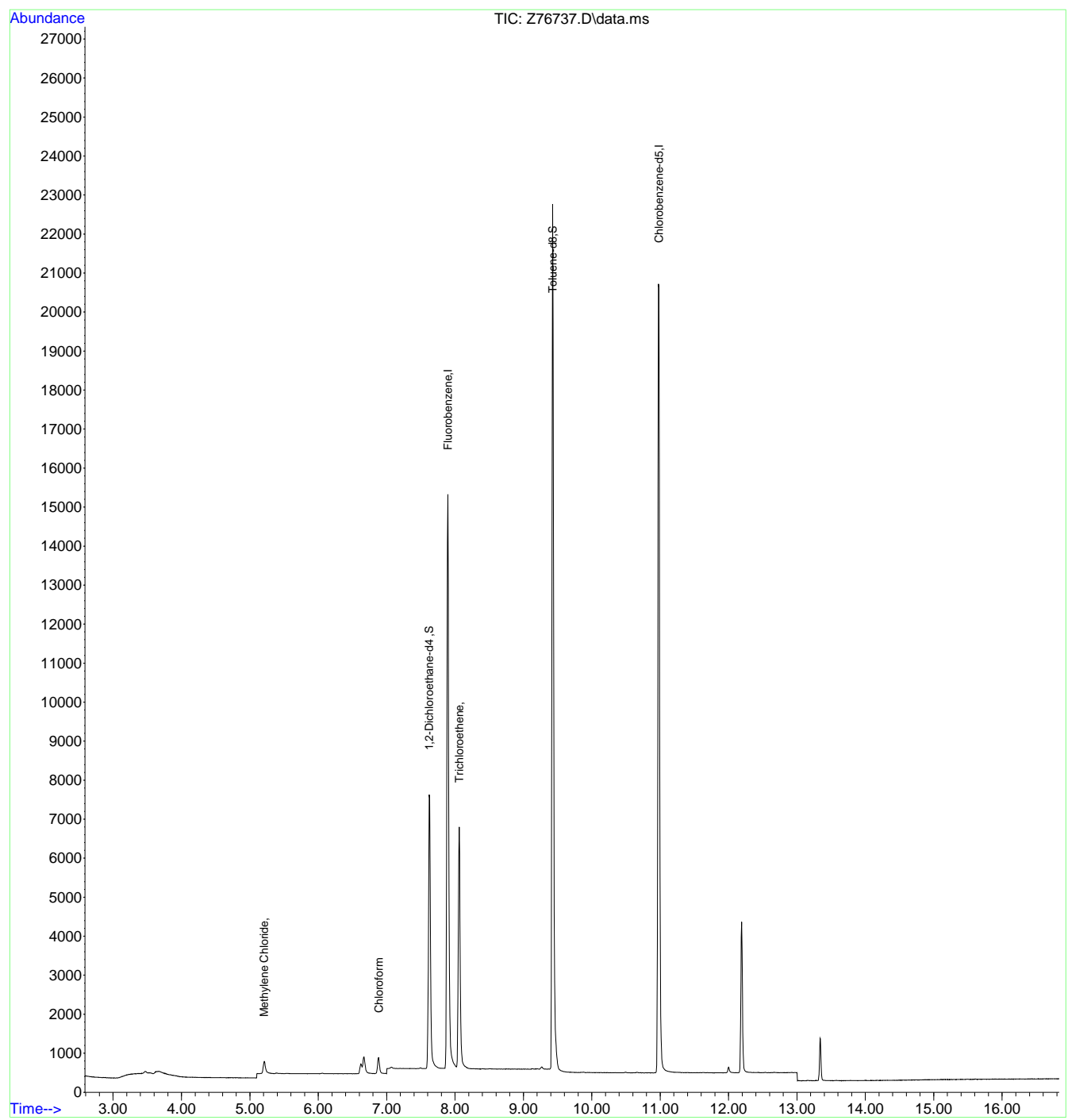
7.1.41
7

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\090424\
Data File : Z76737.D
Acq On : 4 Sep 2024 12:31 pm
Operator : claudias
Sample : FC18326-41
Misc : MS57418,VZ3089,,,,,
ALS Vial : 14 Sample Multiplier: 1

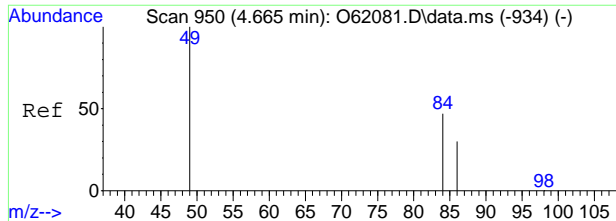
Inst : MSVOA15-Z

Quant Time: Sep 04 12:50:39 2024
Quant Method : C:\msdchem\1\methods\SIMCL-08-28-2024.M
Quant Title : Standard Methods 6200B
QLast Update : Wed Aug 28 11:30:23 2024
Response via : Initial Calibration



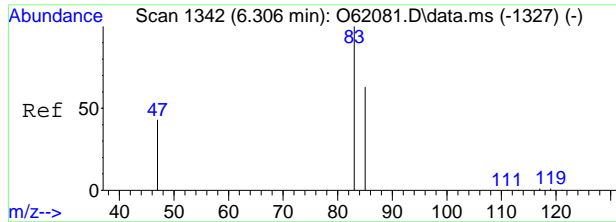
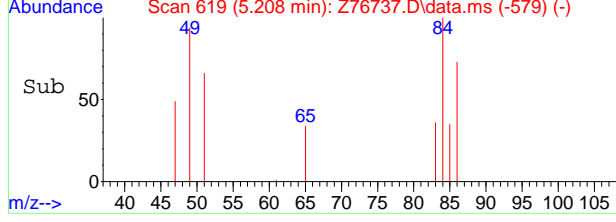
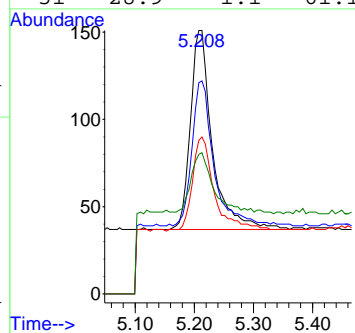
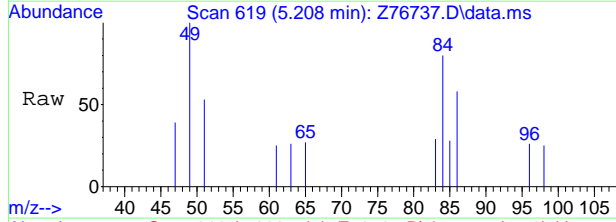
7.1.41
7





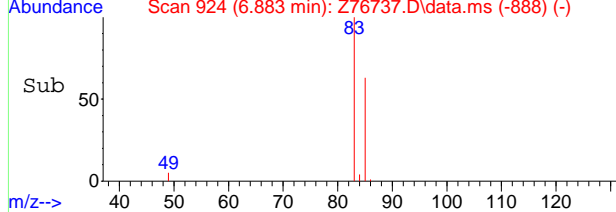
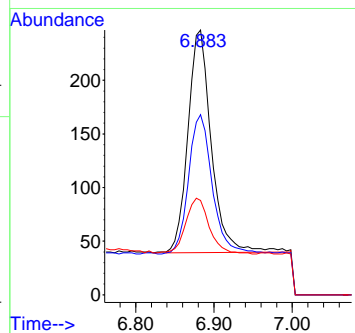
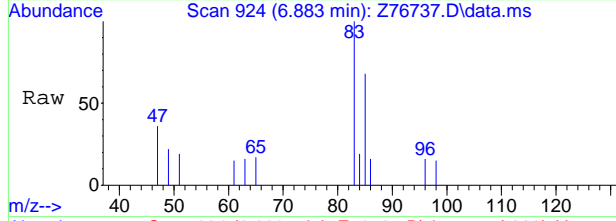
#5
 Methylene Chloride
 Concen: 0.10 ug/L
 RT: 5.208 min Scan# 619
 Delta R.T. -0.005 min
 Lab File: Z76737.D
 Acq: 4 Sep 2024 12:31 pm

Tgt Ion	Ratio	Lower	Upper
49	100		
84	71.9	49.7	109.7
86	45.6	22.0	82.0
51	28.9	1.1	61.1



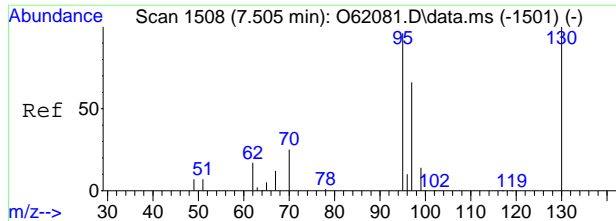
#9
 Chloroform
 Concen: 0.13 ug/L m
 RT: 6.883 min Scan# 924
 Delta R.T. -0.000 min
 Lab File: Z76737.D
 Acq: 4 Sep 2024 12:31 pm

Tgt Ion	Ratio	Lower	Upper
83	100		
85	68.0	35.9	95.9
47	35.6	0.0	51.0

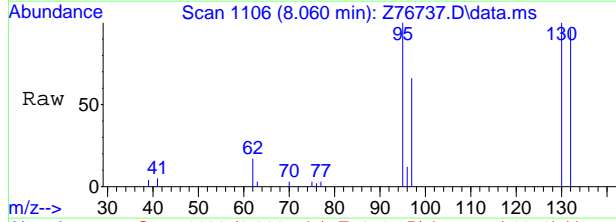


7.1.41
7



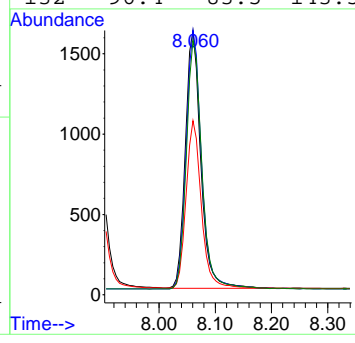
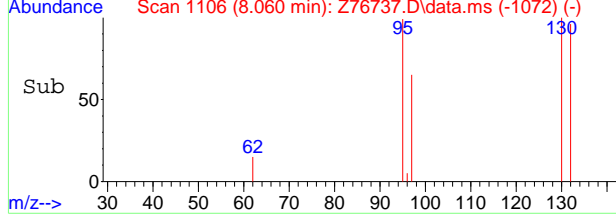


#15
 Trichloroethene
 Concen: 2.06 ug/L
 RT: 8.060 min Scan# 1106
 Delta R.T. -0.001 min
 Lab File: Z76737.D
 Acq: 4 Sep 2024 12:31 pm



Tgt Ion: 95 Resp: 3049

Ion	Ratio	Lower	Upper
95	100		
130	100.4	84.5	144.5
97	65.1	36.4	96.4
132	96.4	83.5	143.5



7.1.41
7

Manual Integration Approval Summary

Sample Number: FC18326-41 **Method:** SW846 8260D BY SIM
Lab FileID: Z76737.D **Analyst approved:** 09/05/24 06:45 Claudia Sosa
Injection Time: 09/04/24 12:31 **Supervisor approved:** 09/05/24 09:02 Karen Watson

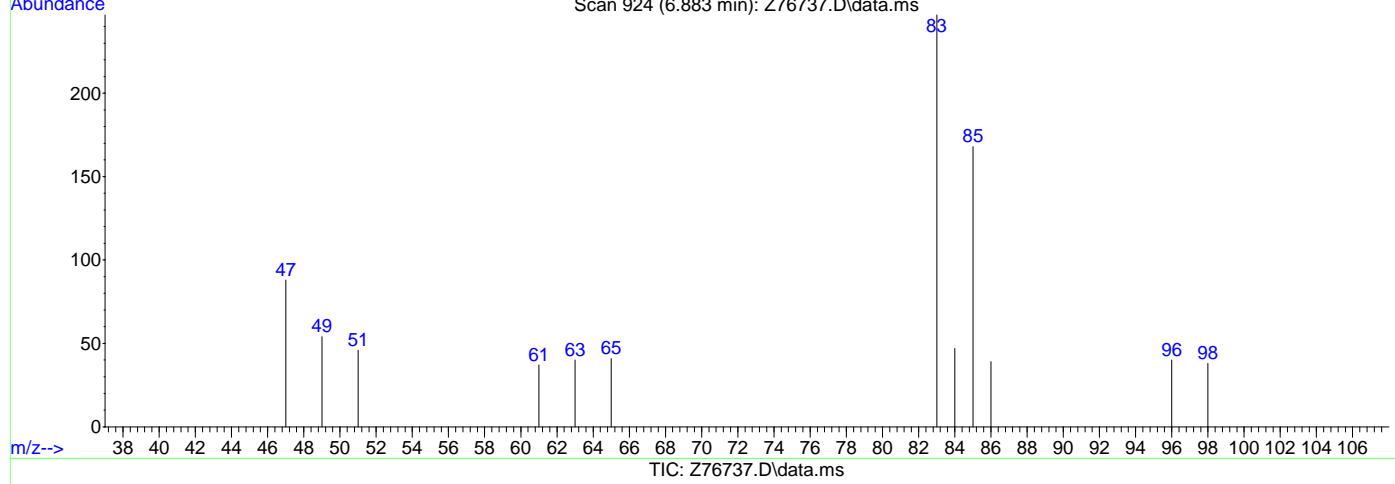
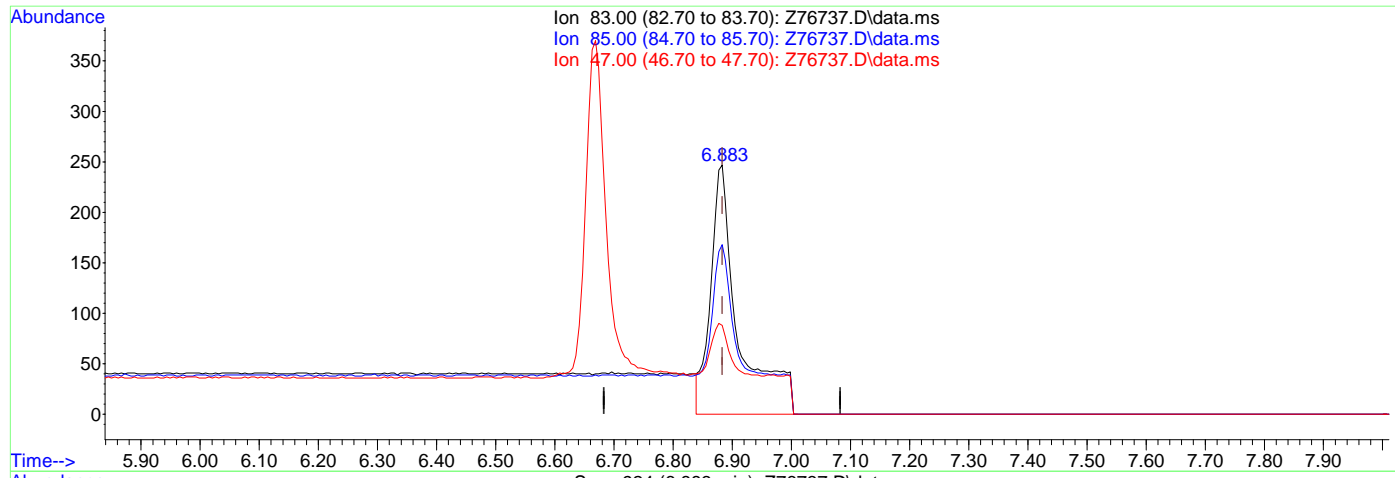
Parameter	CAS	Sig#	R.T. (min.)	Reason
Chloroform	67-66-3		6.88	Poor instrument integration

7.1.4.1.1
7

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\090424\
Data File : Z76737.D
Acq On : 4 Sep 2024 12:31 pm
Operator : claudias
Sample : FC18328-41
Misc : MS57418,VZ3089,,,,,
ALS Vial : 14 Sample Multiplier: 1
Inst : MSVOA15-Z

Quant Time: Sep 04 12:48:56 2024
Quant Method : C:\msdchem\1\methods\SIMCL-08-28-2024.M
Quant Title : Standard Methods 6200B
QLast Update : Wed Aug 28 11:30:23 2024
Response via : Initial Calibration



(9) Chloroform

6.883min (-0.000) 0.25ug/L

response 816

Ion	Exp%	Act%
83.00	100	100
85.00	65.90	68.02
47.00	21.00	35.63
0.00	0.00	0.00



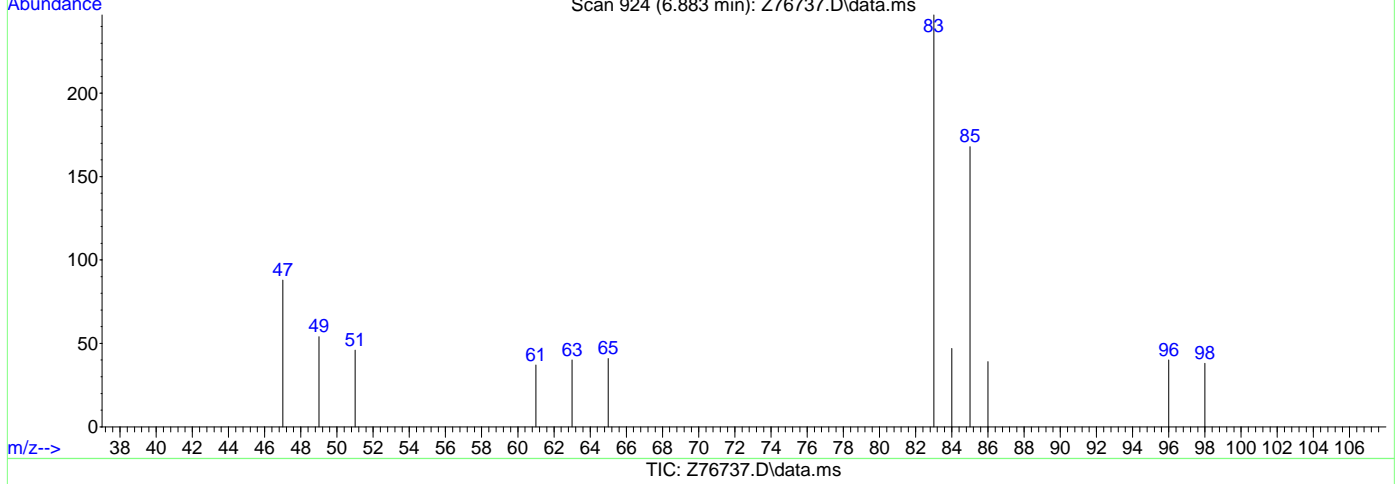
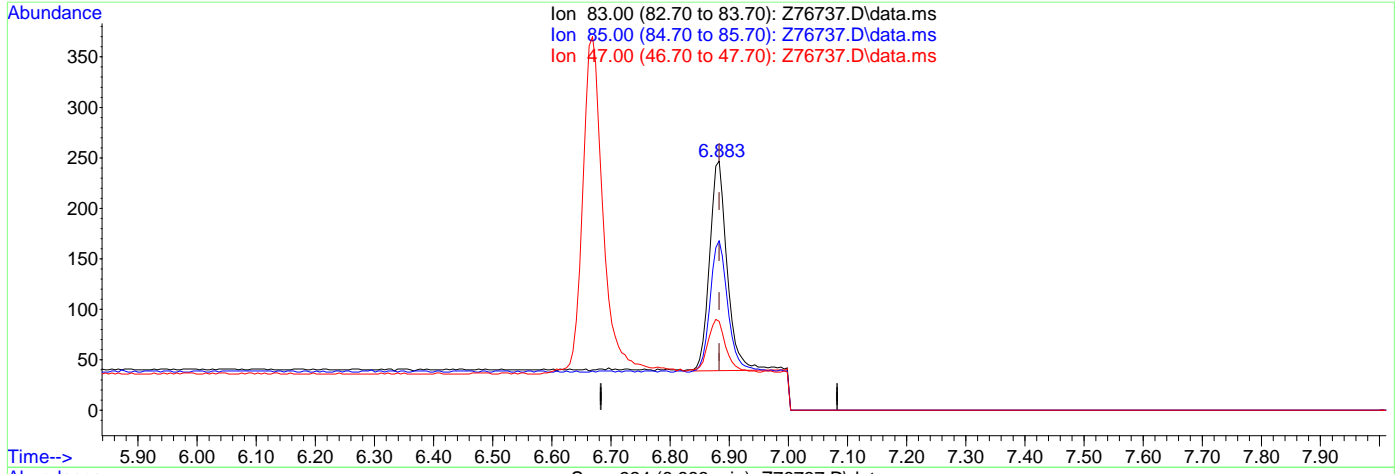
7.1.41.2
7

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\090424\
Data File : Z76737.D
Acq On : 4 Sep 2024 12:31 pm
Operator : claudias
Sample : FC18328-41
Misc : MS57418,VZ3089,,,,,
ALS Vial : 14 Sample Multiplier: 1

Inst : MSVOA15-Z

Quant Time: Sep 04 12:48:56 2024
Quant Method : C:\msdchem\1\methods\SIMCL-08-28-2024.M
Quant Title : Standard Methods 6200B
QLast Update : Wed Aug 28 11:30:23 2024
Response via : Initial Calibration



(9) Chloroform

6.883min (-0.000) 0.13ug/L m

response 432

Ion	Exp%	Act%
83.00	100	100
85.00	65.90	68.02
47.00	21.00	35.63
0.00	0.00	0.00



7.1.41.3
7

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\090424\
Data File : Z76738.D
Acq On : 4 Sep 2024 12:54 pm
Operator : claudias
Sample : FC18326-42 Inst : MSVOA15-Z
Misc : MS57418,VZ3089,,,,,
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Sep 04 13:11:45 2024
Quant Method : C:\msdchem\1\methods\SIMCL-08-28-2024.M
Quant Title : Standard Methods 6200B
QLast Update : Wed Aug 28 11:30:23 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Fluorobenzene	7.895	96	18943	5.00	ug/L	0.00
18) Chlorobenzene-d5	10.981	117	22518	5.00	ug/L	0.00
System Monitoring Compounds						
13) 1,2-Dichloroethane-d4	7.628	65	6626	5.77	ug/L	0.00
Spiked Amount	5.000	Range	74 - 125	Recovery	=	115.40%
19) Toluene-d8	9.428	98	23684	4.72	ug/L	0.00
Spiked Amount	5.000	Range	88 - 111	Recovery	=	94.40%
Target Compounds						
5) Methylene Chloride	5.208	49	381	0.13	ug/L	87
15) Trichloroethene	8.061	95	405	0.27	ug/L	88

(#) = qualifier out of range (m) = manual integration (+) = signals summed

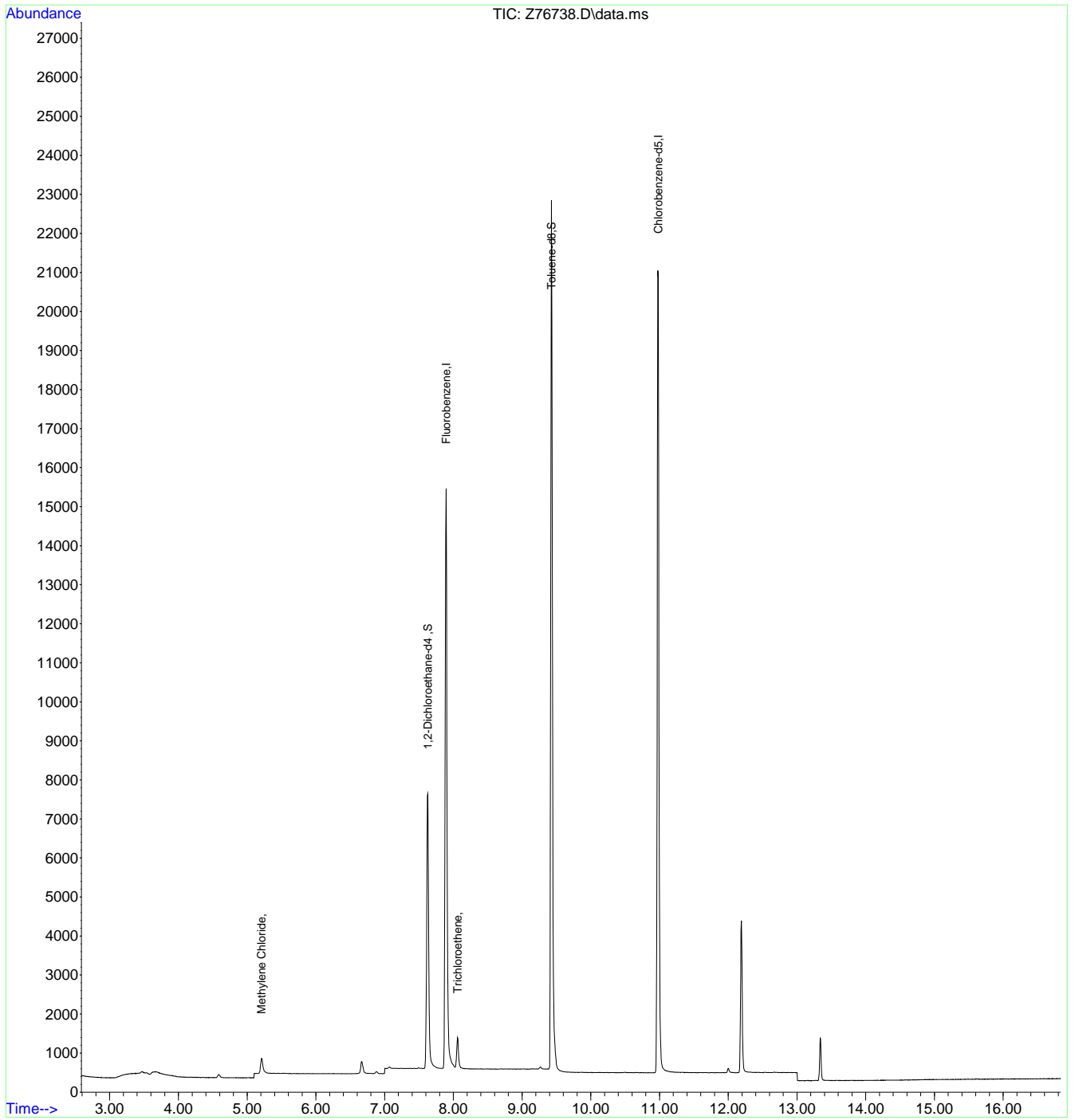
7.1.42
7

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\090424\
Data File : Z76738.D
Acq On : 4 Sep 2024 12:54 pm
Operator : claudias
Sample : FC18326-42
Misc : MS57418,VZ3089,,,,,
ALS Vial : 15 Sample Multiplier: 1

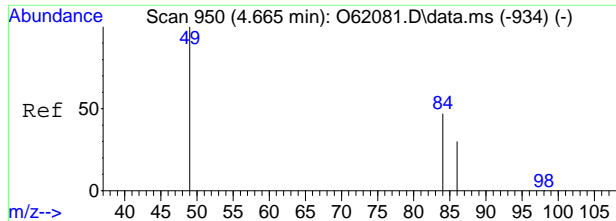
Inst : MSVOA15-Z

Quant Time: Sep 04 13:11:45 2024
Quant Method : C:\msdchem\1\methods\SIMCL-08-28-2024.M
Quant Title : Standard Methods 6200B
QLast Update : Wed Aug 28 11:30:23 2024
Response via : Initial Calibration



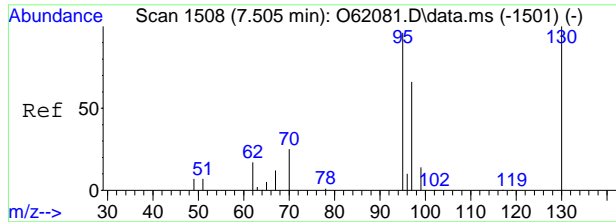
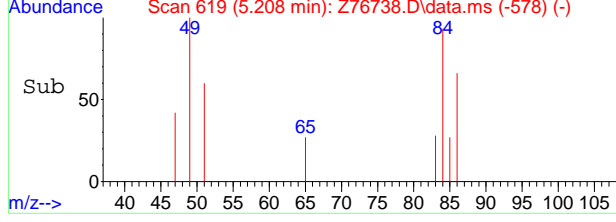
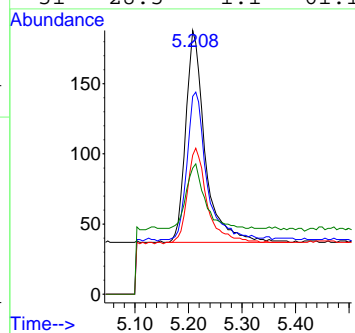
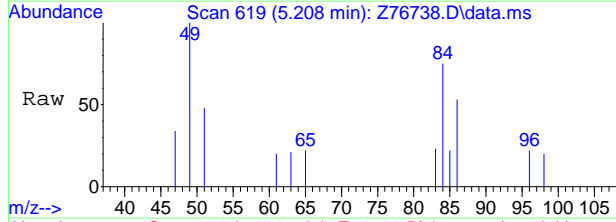
7.1.42
7





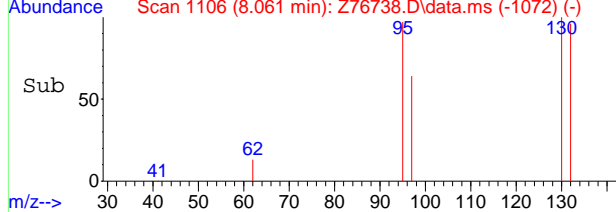
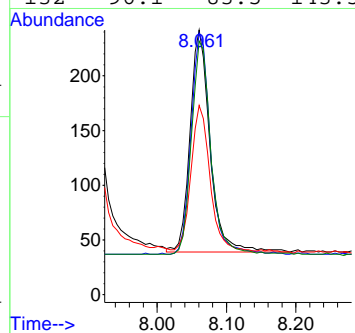
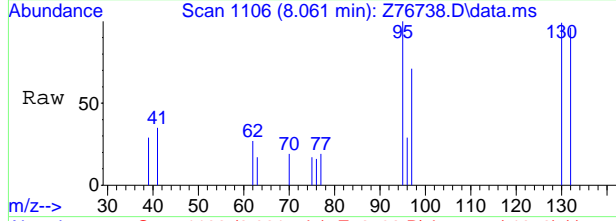
#5
 Methylene Chloride
 Concen: 0.13 ug/L
 RT: 5.208 min Scan# 619
 Delta R.T. -0.005 min
 Lab File: Z76738.D
 Acq: 4 Sep 2024 12:54 pm

Tgt Ion	Ratio	Lower	Upper
49	100		
84	67.5	49.7	109.7
86	41.1	22.0	82.0
51	28.5	1.1	61.1



#15
 Trichloroethene
 Concen: 0.27 ug/L
 RT: 8.061 min Scan# 1106
 Delta R.T. -0.000 min
 Lab File: Z76738.D
 Acq: 4 Sep 2024 12:54 pm

Tgt Ion	Ratio	Lower	Upper
95	100		
130	99.5	84.5	144.5
97	66.0	36.4	96.4
132	96.1	83.5	143.5



7.1.42
7



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\083024\
 Data File : Z76672.D
 Acq On : 30 Aug 2024 9:09 am
 Operator : claudias
 Sample : mb Inst : MSVOA15-Z
 Misc : MS57393,VZ3087,,,,,
 ALS Vial : 5 Sample Multiplier: 1

Quant Time: Aug 30 09:28:46 2024
 Quant Method : C:\msdchem\1\methods\SIMCL-08-28-2024.M
 Quant Title : Standard Methods 6200B
 QLast Update : Wed Aug 28 11:30:23 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Fluorobenzene	7.895	96	21146	5.00	ug/L	0.00
18) Chlorobenzene-d5	10.981	117	24546	5.00	ug/L	0.00
System Monitoring Compounds						
13) 1,2-Dichloroethane-d4	7.628	65	6889	5.38	ug/L	0.00
Spiked Amount	5.000	Range 74 - 125	Recovery	=	107.60%	
19) Toluene-d8	9.429	98	26003	4.75	ug/L	0.00
Spiked Amount	5.000	Range 88 - 111	Recovery	=	95.00%	
Target Compounds						
5) Methylene Chloride	5.213	49	559	0.17	ug/L	Qvalue 96

(#) = qualifier out of range (m) = manual integration (+) = signals summed

7.2.1
7

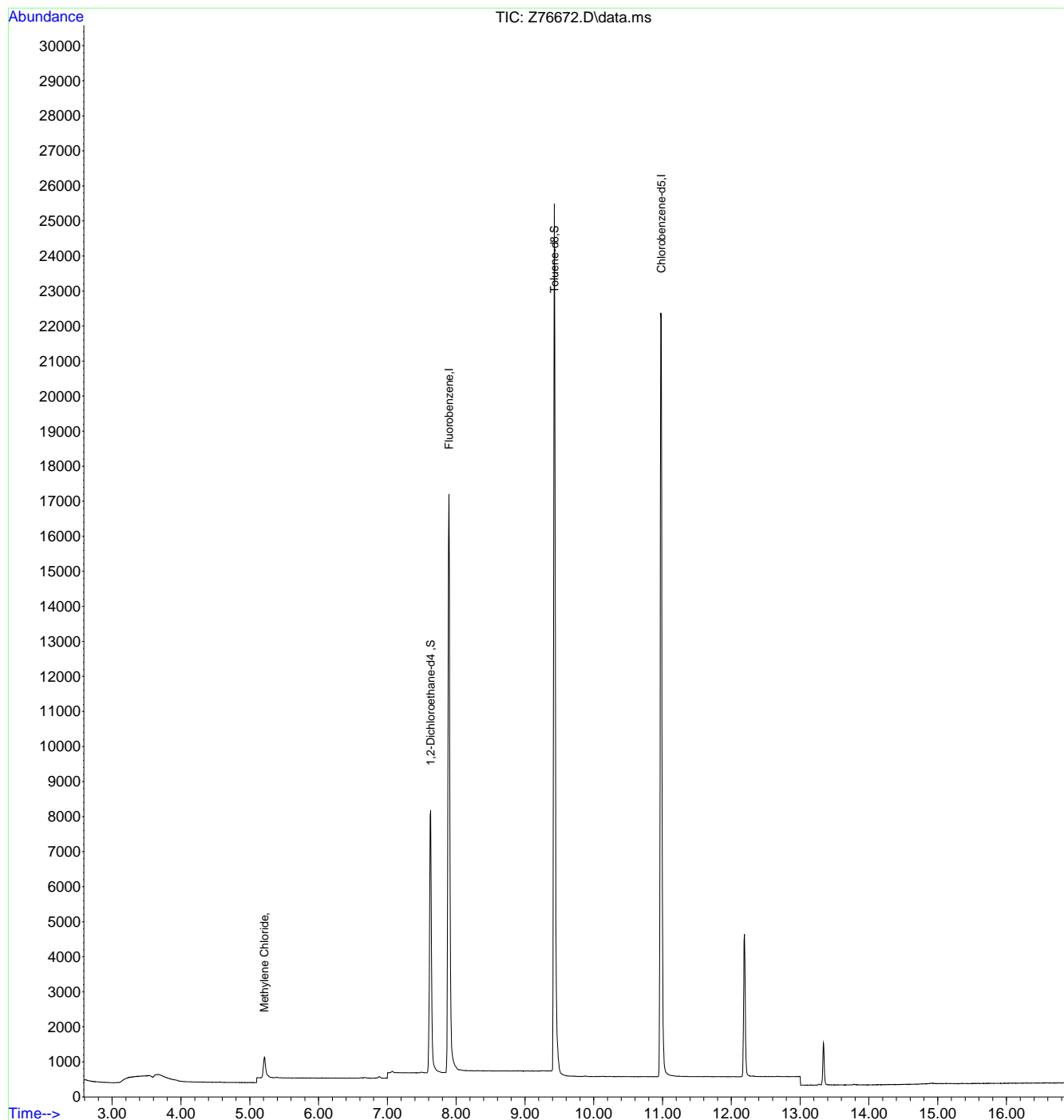


Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\083024\
Data File : Z76672.D
Acq On : 30 Aug 2024 9:09 am
Operator : claudias
Sample : mb
Misc : MS57393,VZ3087,,,,,
ALS Vial : 5 Sample Multiplier: 1

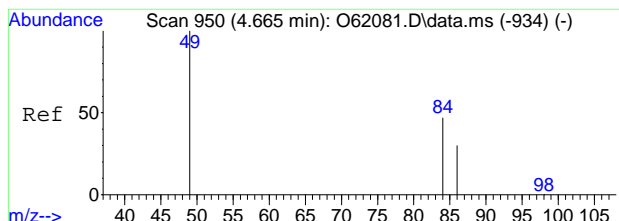
Inst : MSVOA15-Z

Quant Time: Aug 30 09:28:46 2024
Quant Method : C:\msdchem\1\methods\SIMCL-08-28-2024.M
Quant Title : Standard Methods 6200B
QLast Update : Wed Aug 28 11:30:23 2024
Response via : Initial Calibration



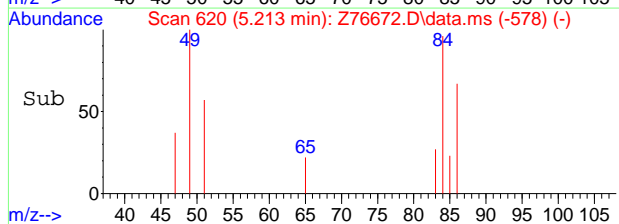
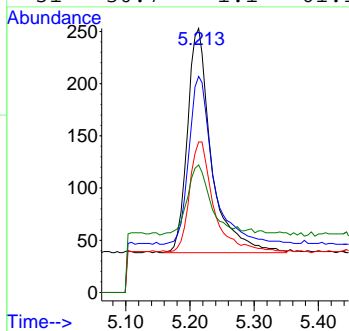
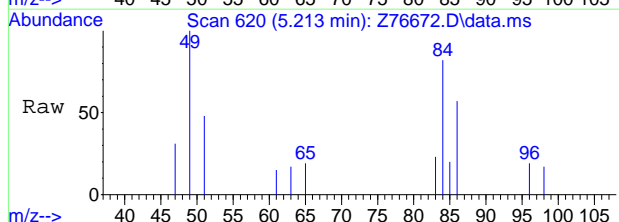
7.2.1
7





#5
 Methylene Chloride
 Concen: 0.17 ug/L
 RT: 5.213 min Scan# 620
 Delta R.T. 0.000 min
 Lab File: Z76672.D
 Acq: 30 Aug 2024 9:09 am

Tgt Ion	Ratio	Lower	Upper
49	100		
84	74.9	49.7	109.7
86	48.4	22.0	82.0
51	30.7	1.1	61.1



7.2.1
7

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\090324\
Data File : Z76700.D
Acq On : 3 Sep 2024 9:10 am
Operator : claudias
Sample : MB Inst : MSVOA15-Z
Misc : MS57405,VZ3088,,,,,
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Sep 03 09:27:54 2024
Quant Method : C:\msdchem\1\methods\SIMCL-08-28-2024.M
Quant Title : Standard Methods 6200B
QLast Update : Wed Aug 28 11:30:23 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Fluorobenzene	7.895	96	21218	5.00	ug/L	0.00
18) Chlorobenzene-d5	10.980	117	25316	5.00	ug/L	0.00
System Monitoring Compounds						
13) 1,2-Dichloroethane-d4	7.628	65	6958	5.41	ug/L	0.00
Spiked Amount	5.000	Range 74 - 125	Recovery	=	108.20%	
19) Toluene-d8	9.428	98	26185	4.64	ug/L	0.00
Spiked Amount	5.000	Range 88 - 111	Recovery	=	92.80%	
Target Compounds						
5) Methylene Chloride	5.213	49	519	0.16	ug/L	Qvalue 97

(#) = qualifier out of range (m) = manual integration (+) = signals summed

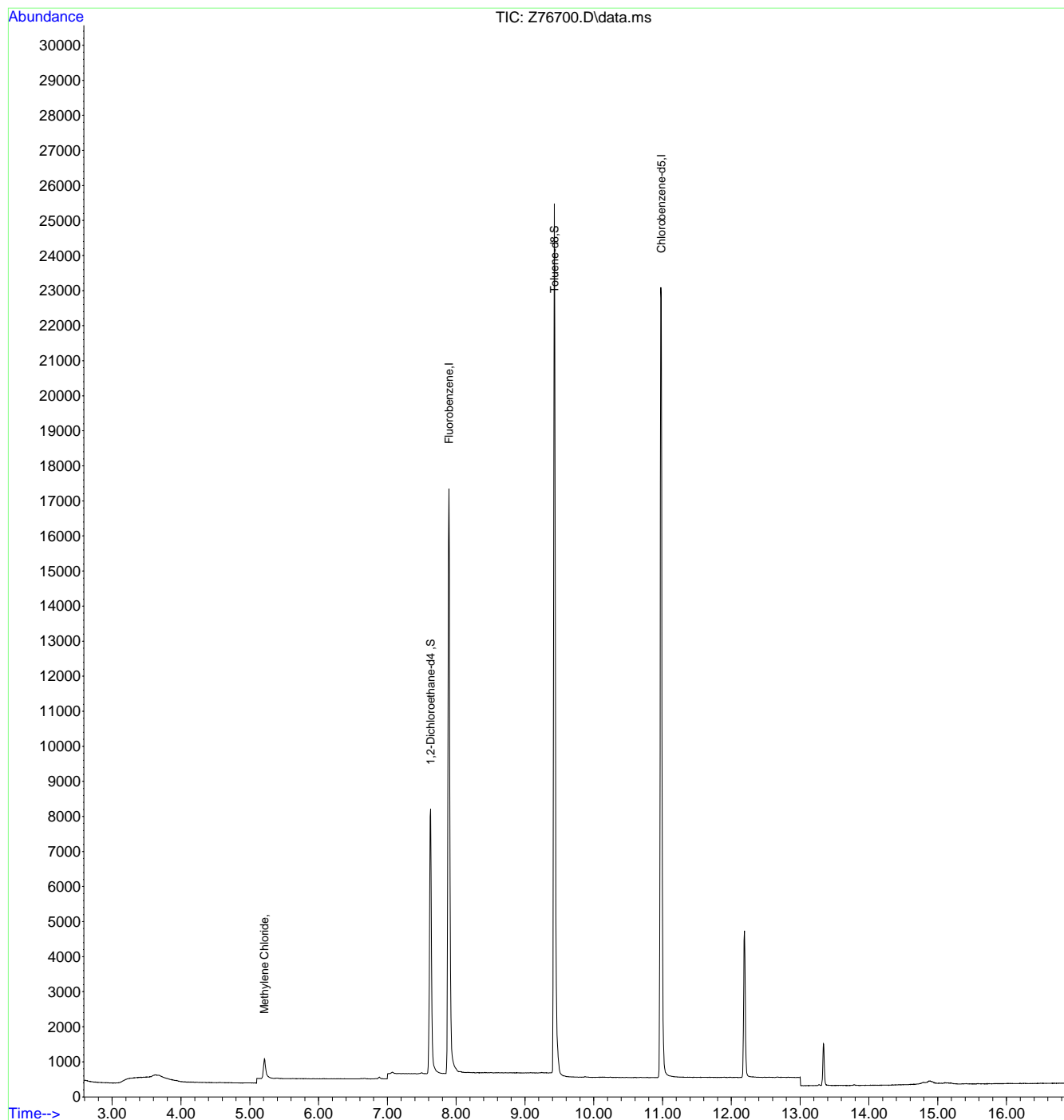
7.22
7



Quantitation Report (QT Reviewed)

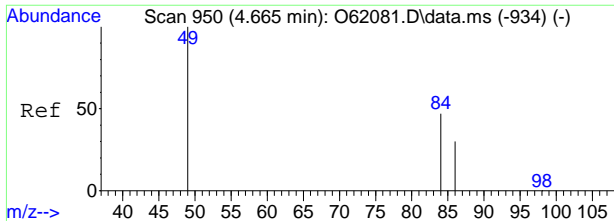
Data Path : C:\msdchem\1\data\090324\
Data File : Z76700.D
Acq On : 3 Sep 2024 9:10 am
Operator : claudias
Sample : MB Inst : MSVOA15-Z
Misc : MS57405,VZ3088,,,,,
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Sep 03 09:27:54 2024
Quant Method : C:\msdchem\1\methods\SIMCL-08-28-2024.M
Quant Title : Standard Methods 6200B
QLast Update : Wed Aug 28 11:30:23 2024
Response via : Initial Calibration



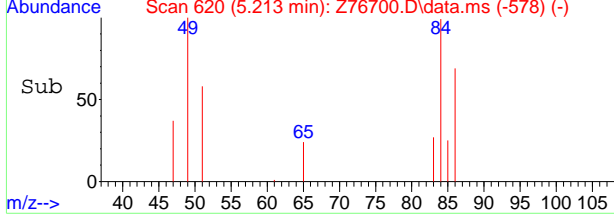
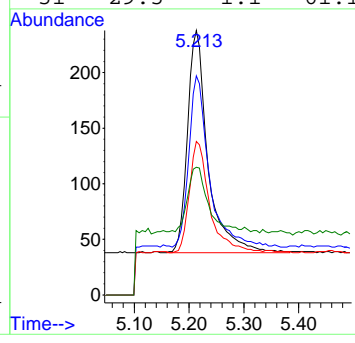
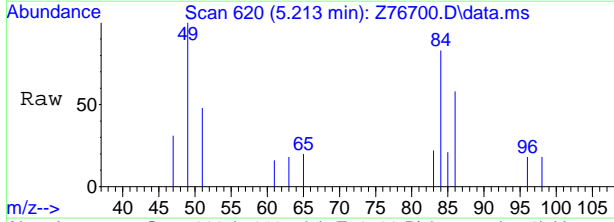
7.2.2
7





#5
 Methylene Chloride
 Concen: 0.16 ug/L
 RT: 5.213 min Scan# 620
 Delta R.T. 0.000 min
 Lab File: Z76700.D
 Acq: 3 Sep 2024 9:10 am

Tgt Ion	Ratio	Lower	Upper
49	100		
84	76.5	49.7	109.7
86	49.5	22.0	82.0
51	29.5	1.1	61.1



7.22
7



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\09-04-24\
 Data File : N0132425.D
 Acq On : 4 Sep 2024 8:19 am
 Operator : jeniferw
 Sample : MB
 Misc : MS57404,VN6714,,,,,
 ALS Vial : 5 Sample Multiplier: 1

Quant Time: Sep 04 08:34:54 2024
 Quant Method : C:\msdchem\1\methods\SIMCL_VN6705_082024.M
 Quant Title : Standard Methods 6200B
 QLast Update : Tue Aug 20 14:01:28 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Fluorobenzene	6.341	96	52118	5.00	ug/L	0.00
18) Chlorobenzene-d5	9.519	117	34350	5.00	ug/L	0.00
System Monitoring Compounds						
13) 1,2-Dichloroethane-d4	6.045	65	23853	5.32	ug/L	0.00
Spiked Amount	5.000	Range 74 - 125	Recovery	=	106.40%	
19) Toluene-d8	7.950	98	39460	5.20	ug/L	0.00
Spiked Amount	5.000	Range 88 - 111	Recovery	=	104.00%	
Target Compounds						
3) Chloromethane	1.982	50	394	0.26	ug/L	89
5) Methylene Chloride	3.718	49	3915	1.63	ug/L	92

(#) = qualifier out of range (m) = manual integration (+) = signals summed

7.2.3

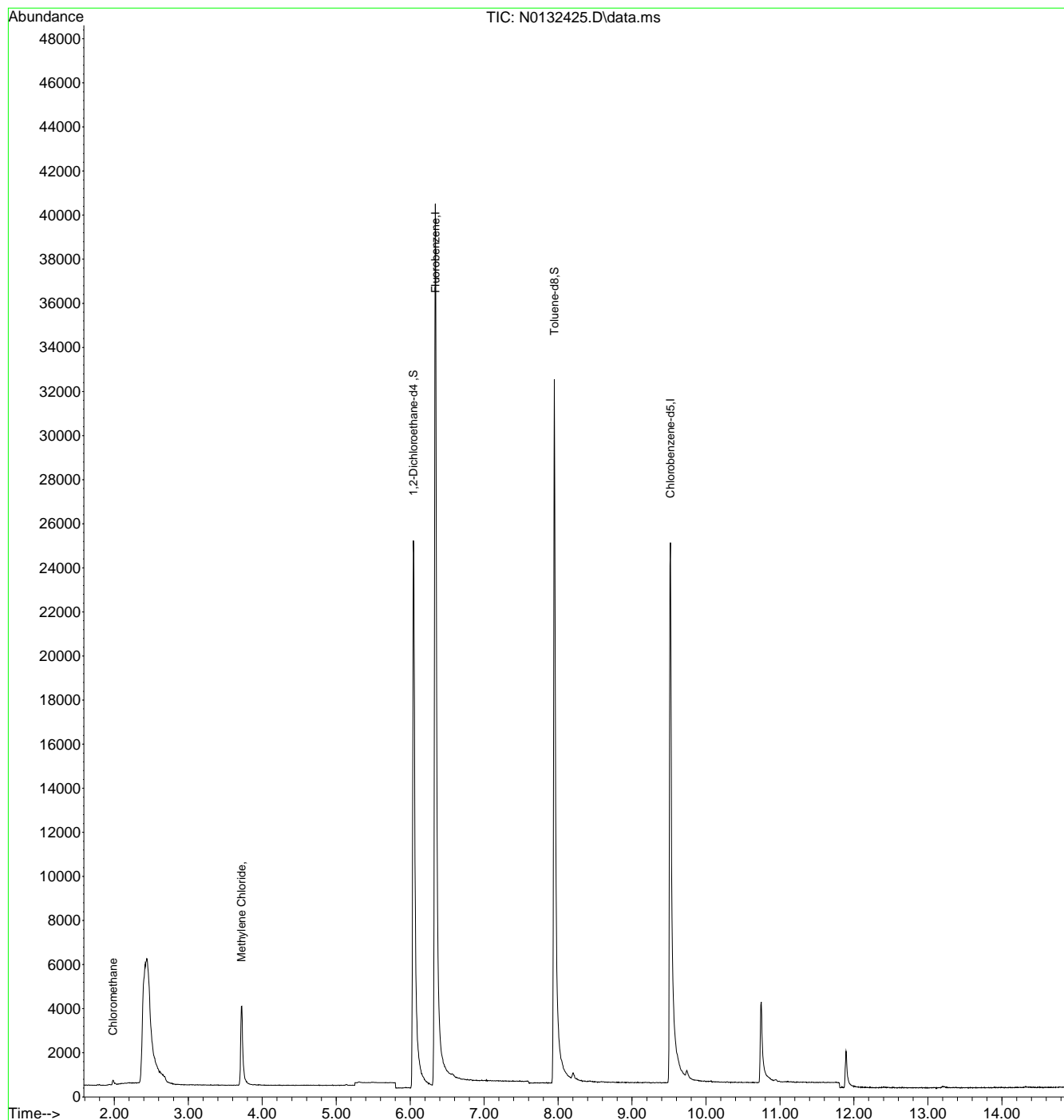
7



Quantitation Report (QT Reviewed)

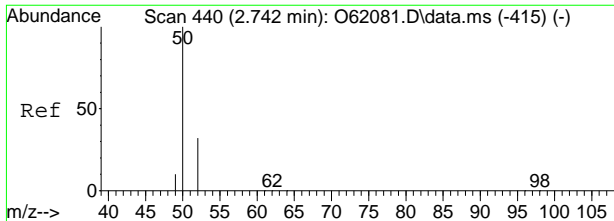
Data Path : C:\msdchem\1\data\09-04-24\
 Data File : N0132425.D
 Acq On : 4 Sep 2024 8:19 am
 Operator : jeniferw
 Sample : MB
 Misc : MS57404,VN6714,,,,,
 ALS Vial : 5 Sample Multiplier: 1

Quant Time: Sep 04 08:34:54 2024
 Quant Method : C:\msdchem\1\methods\SIMCL_VN6705_082024.M
 Quant Title : Standard Methods 6200B
 QLast Update : Tue Aug 20 14:01:28 2024
 Response via : Initial Calibration



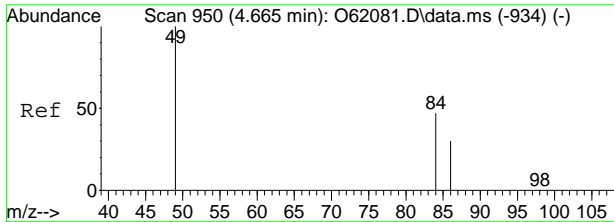
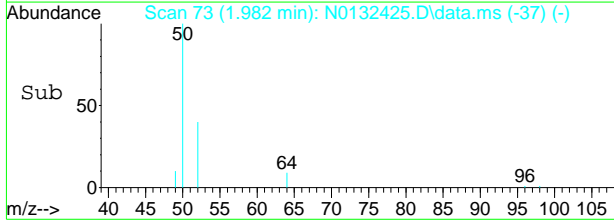
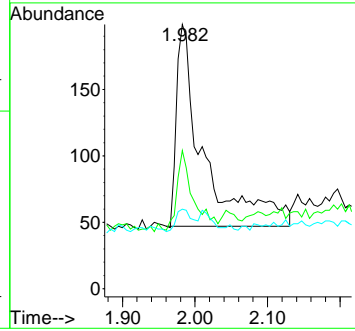
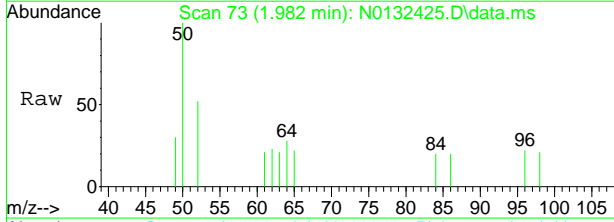
7.2.3
7





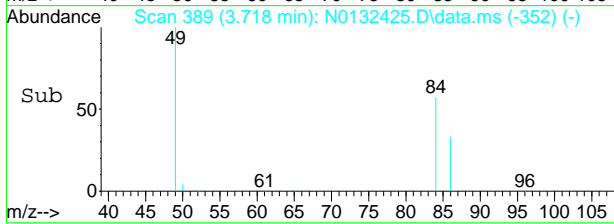
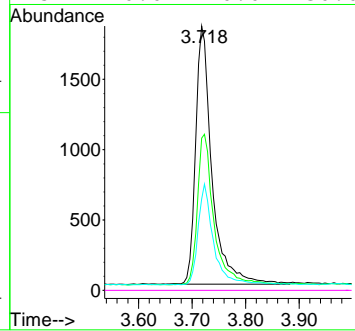
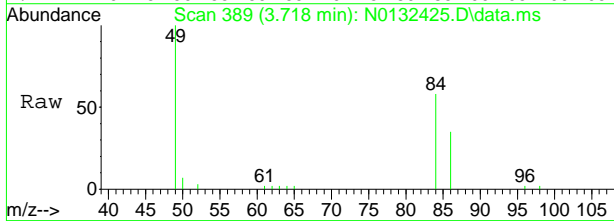
#3
 Chloromethane
 Concen: 0.26 ug/L
 RT: 1.982 min Scan# 73
 Delta R.T. 0.000 min
 Lab File: N0132425.D
 Acq: 4 Sep 2024 8:19 am

Tgt Ion	Ratio	Lower	Upper
50	100		
52	39.5	2.1	62.1
49	11.2	0.0	39.6



#5
 Methylene Chloride
 Concen: 1.63 ug/L
 RT: 3.718 min Scan# 389
 Delta R.T. 0.006 min
 Lab File: N0132425.D
 Acq: 4 Sep 2024 8:19 am

Tgt Ion	Ratio	Lower	Upper
49	100		
84	56.7	20.0	80.0
86	33.2	0.4	60.4
51	0.0	0.0	30.0



7.2.3
7

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\090424\
 Data File : Z76728.D
 Acq On : 4 Sep 2024 8:54 am
 Operator : claudias
 Sample : MB Inst : MSVOA15-Z
 Misc : MS57418,VZ3089,,,,,
 ALS Vial : 5 Sample Multiplier: 1

Quant Time: Sep 04 09:11:46 2024
 Quant Method : C:\msdchem\1\methods\SIMCL-08-28-2024.M
 Quant Title : Standard Methods 6200B
 QLast Update : Wed Aug 28 11:30:23 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Fluorobenzene	7.895	96	19770	5.00	ug/L	0.00
18) Chlorobenzene-d5	10.975	117	23821	5.00	ug/L	0.00
System Monitoring Compounds						
13) 1,2-Dichloroethane-d4	7.621	65	6770	5.65	ug/L	0.00
Spiked Amount	5.000	Range 74 - 125	Recovery	=	113.00%	
19) Toluene-d8	9.428	98	24829	4.67	ug/L	0.00
Spiked Amount	5.000	Range 88 - 111	Recovery	=	93.40%	
Target Compounds						
5) Methylene Chloride	5.208	49	786	0.26	ug/L	Qvalue 92

(#) = qualifier out of range (m) = manual integration (+) = signals summed

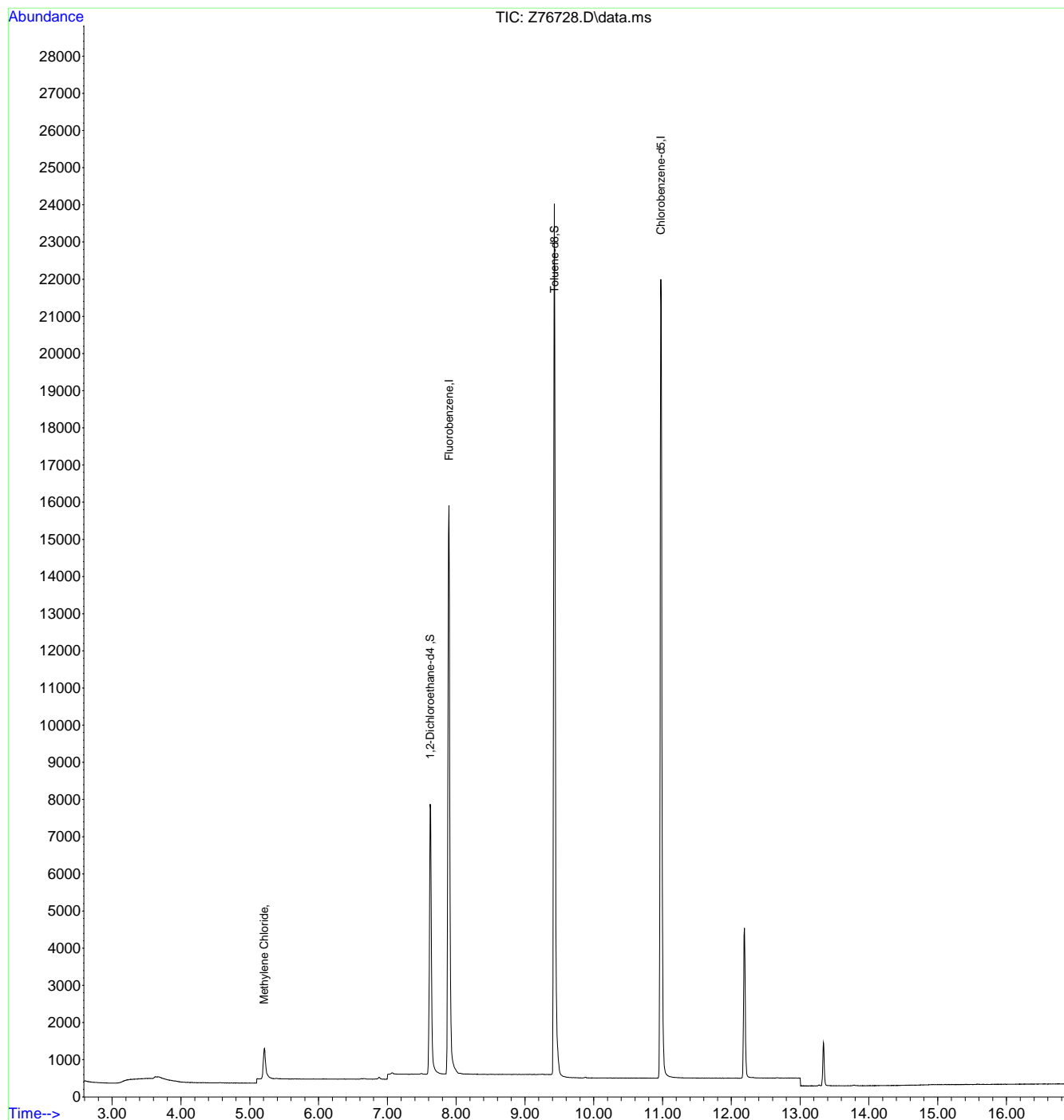
7.24
7



Quantitation Report (QT Reviewed)

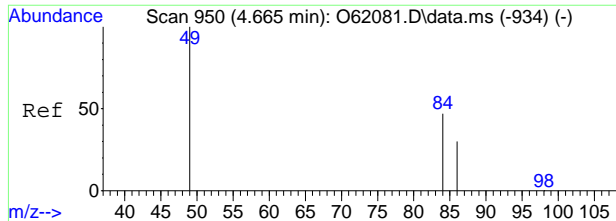
Data Path : C:\msdchem\1\data\090424\
 Data File : Z76728.D
 Acq On : 4 Sep 2024 8:54 am
 Operator : claudias
 Sample : MB Inst : MSVOA15-Z
 Misc : MS57418,VZ3089,,,,,
 ALS Vial : 5 Sample Multiplier: 1

Quant Time: Sep 04 09:11:46 2024
 Quant Method : C:\msdchem\1\methods\SIMCL-08-28-2024.M
 Quant Title : Standard Methods 6200B
 QLast Update : Wed Aug 28 11:30:23 2024
 Response via : Initial Calibration



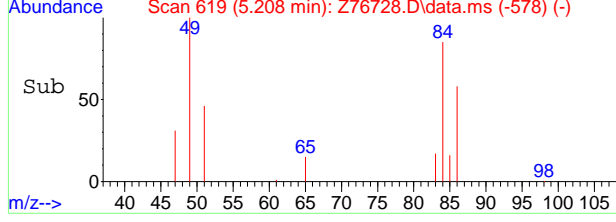
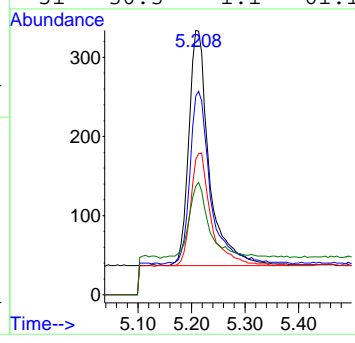
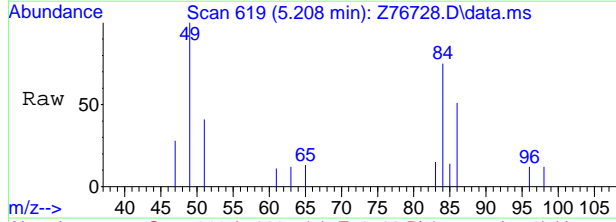
7.2.4
7





#5
 Methylene Chloride
 Concen: 0.26 ug/L
 RT: 5.208 min Scan# 619
 Delta R.T. -0.005 min
 Lab File: Z76728.D
 Acq: 4 Sep 2024 8:54 am

Tgt Ion	Ratio	Lower	Upper
49	100		
84	71.0	49.7	109.7
86	45.1	22.0	82.0
51	30.3	1.1	61.1



7.24
7



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\083024\
 Data File : Z76670.D
 Acq On : 30 Aug 2024 8:06 am
 Operator : claudias
 Sample : BS Inst : MSVOA15-Z
 Misc : MS57380,VZ3087,,,,,
 ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 30 08:23:55 2024
 Quant Method : C:\msdchem\1\methods\SIMCL-08-28-2024.M
 Quant Title : Standard Methods 6200B
 QLast Update : Wed Aug 28 11:30:23 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	

Internal Standards							
1) Fluorobenzene	7.889	96	19440	5.00	ug/L	0.00	
18) Chlorobenzene-d5	10.975	117	21997	5.00	ug/L	0.00	
System Monitoring Compounds							
13) 1,2-Dichloroethane-d4	7.621	65	6047	5.13	ug/L	0.00	
Spiked Amount	5.000	Range 74 - 125	Recovery	=	102.60%		
19) Toluene-d8	9.423	98	23250	4.74	ug/L	0.00	
Spiked Amount	5.000	Range 88 - 111	Recovery	=	94.80%		
Target Compounds							
							Qvalue
2) Vinyl Chloride	3.175	62	9183	4.68	ug/L		99
3) Chloromethane	3.112	50	10741	4.82	ug/L		99
4) 1,1-Dichloroethene	4.553	61	13160	6.01	ug/L		96
5) Methylene Chloride	5.202	49	17094	6.45	ug/L		96
6) trans-1,2-Dichloroethene	5.378	61	12864	6.13	ug/L		95
7) 1,1-Dichloroethane	6.048	63	16293	6.50	ug/L		99
8) cis-1,2-Dichloroethene	6.619	96	9845	5.78	ug/L		99
9) Chloroform	6.872	83	17694	5.44	ug/L		96
10) Carbon Tetrachloride	7.044	117	12451	5.14	ug/L		98
11) 1,1,1-Trichloroethane	7.112	97	14787	5.61	ug/L		95
12) Benzene	7.486	78	30441	5.40	ug/L		95
14) 1,2-Dichloroethane	7.689	62	11800	5.72	ug/L		94
15) Trichloroethene	8.055	95	8140	5.35	ug/L		92
16) 1,2-Dichloropropane	8.582	63	8320	5.38	ug/L		92
17) cis-1,3-Dichloropropene	9.240	75	11990	5.02	ug/L		93
20) trans-1,3-Dichloropropene	9.869	75	9963	4.21	ug/L		93
21) Tetrachloroethene	9.869	166	8418	5.06	ug/L #		91
22) 1,4-Dichlorobenzene	13.354	146	19362	5.18	ug/L		95
23) 1,2-Dibromo-3-Chloropr...	14.517	75	2142	4.17	ug/L #		72

(#) = qualifier out of range (m) = manual integration (+) = signals summed



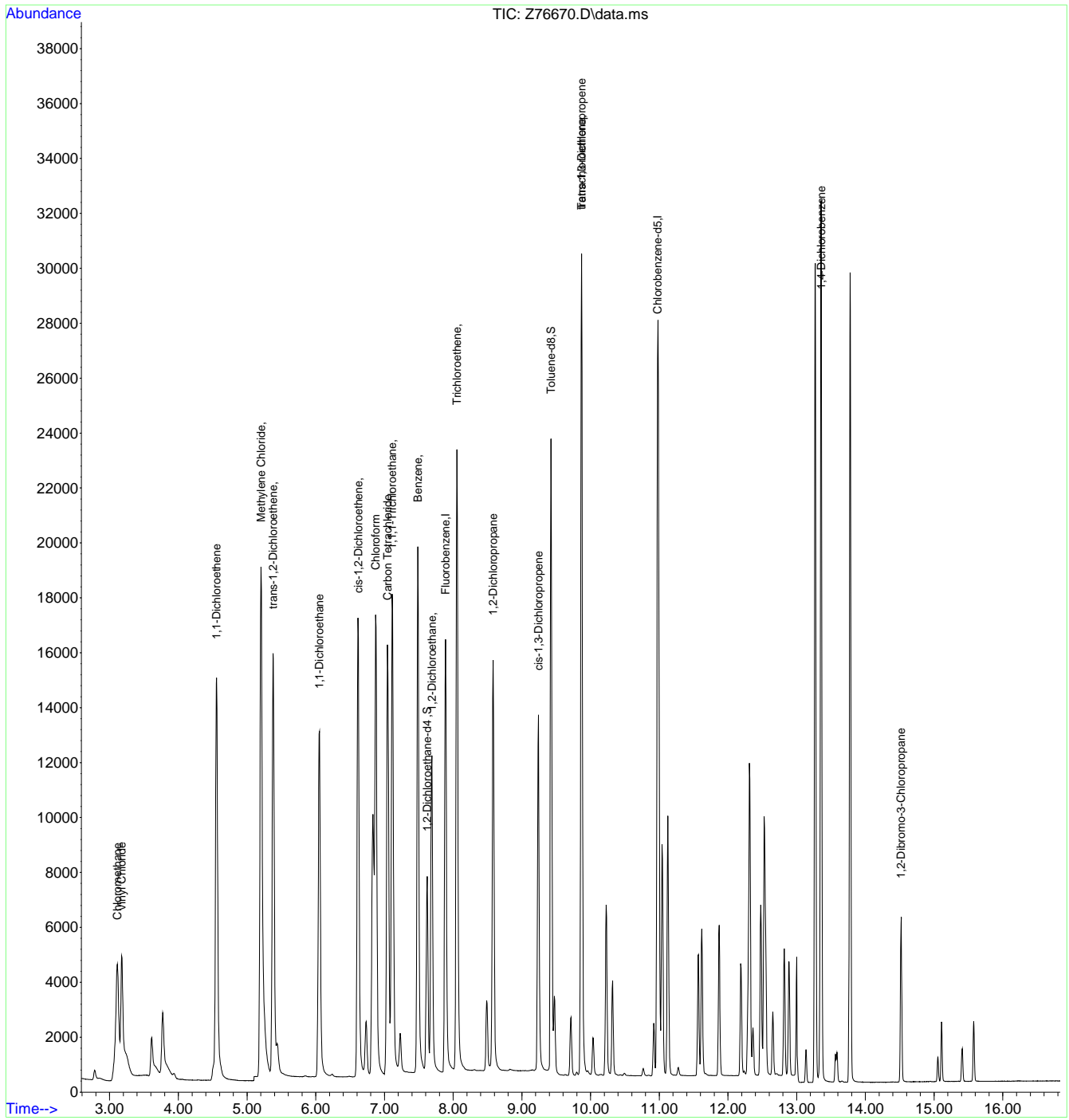
7.3.1
7

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\083024\
Data File : Z76670.D
Acq On : 30 Aug 2024 8:06 am
Operator : claudias
Sample : BS
Misc : MS57380,VZ3087,,,,,
ALS Vial : 3 Sample Multiplier: 1

Inst : MSVOA15-Z

Quant Time: Aug 30 08:23:55 2024
Quant Method : C:\msdchem\1\methods\SIMCL-08-28-2024.M
Quant Title : Standard Methods 6200B
QLast Update : Wed Aug 28 11:30:23 2024
Response via : Initial Calibration



7.3.1
7



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\090324\
 Data File : Z76698.D
 Acq On : 3 Sep 2024 8:05 am
 Operator : claudias
 Sample : bs Inst : MSVOA15-Z
 Misc : MS57383,VZ3088,,,,,
 ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 03 08:23:50 2024
 Quant Method : C:\msdchem\1\methods\SIMCL-08-28-2024.M
 Quant Title : Standard Methods 6200B
 QLast Update : Wed Aug 28 11:30:23 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	

Internal Standards							
1) Fluorobenzene	7.895	96	21761	5.00	ug/L	0.00	
18) Chlorobenzene-d5	10.975	117	24635	5.00	ug/L	0.00	
System Monitoring Compounds							
13) 1,2-Dichloroethane-d4	7.621	65	6765	5.13	ug/L	0.00	
Spiked Amount	5.000	Range 74 - 125	Recovery	=	102.60%		
19) Toluene-d8	9.428	98	25672	4.67	ug/L	0.00	
Spiked Amount	5.000	Range 88 - 111	Recovery	=	93.40%		
Target Compounds							
							Qvalue
2) Vinyl Chloride	3.188	62	10849	4.96	ug/L		99
3) Chloromethane	3.125	50	12618	5.07	ug/L		98
4) 1,1-Dichloroethene	4.561	61	14539	5.93	ug/L		97
5) Methylene Chloride	5.208	49	21638	7.45	ug/L		94
6) trans-1,2-Dichloroethene	5.384	61	14327	6.10	ug/L		94
7) 1,1-Dichloroethane	6.059	63	18145	6.46	ug/L		100
8) cis-1,2-Dichloroethene	6.619	96	11038	5.79	ug/L		93
9) Chloroform	6.877	83	19576	5.37	ug/L		96
10) Carbon Tetrachloride	7.051	117	13348	4.91	ug/L		99
11) 1,1,1-Trichloroethane	7.119	97	16408	5.56	ug/L		96
12) Benzene	7.492	78	33582	5.32	ug/L		93
14) 1,2-Dichloroethane	7.689	62	13038	5.64	ug/L		94
15) Trichloroethene	8.055	95	8884	5.21	ug/L		89
16) 1,2-Dichloropropane	8.582	63	8940	5.17	ug/L		92
17) cis-1,3-Dichloropropene	9.240	75	12973	4.85	ug/L		92
20) trans-1,3-Dichloropropene	9.869	75	10948	4.13	ug/L		93
21) Tetrachloroethene	9.869	166	9418	5.06	ug/L #		90
22) 1,4-Dichlorobenzene	13.354	146	21415	5.11	ug/L		94
23) 1,2-Dibromo-3-Chloropr...	14.517	75	2274	3.95	ug/L #		72

(#) = qualifier out of range (m) = manual integration (+) = signals summed

7.32
7

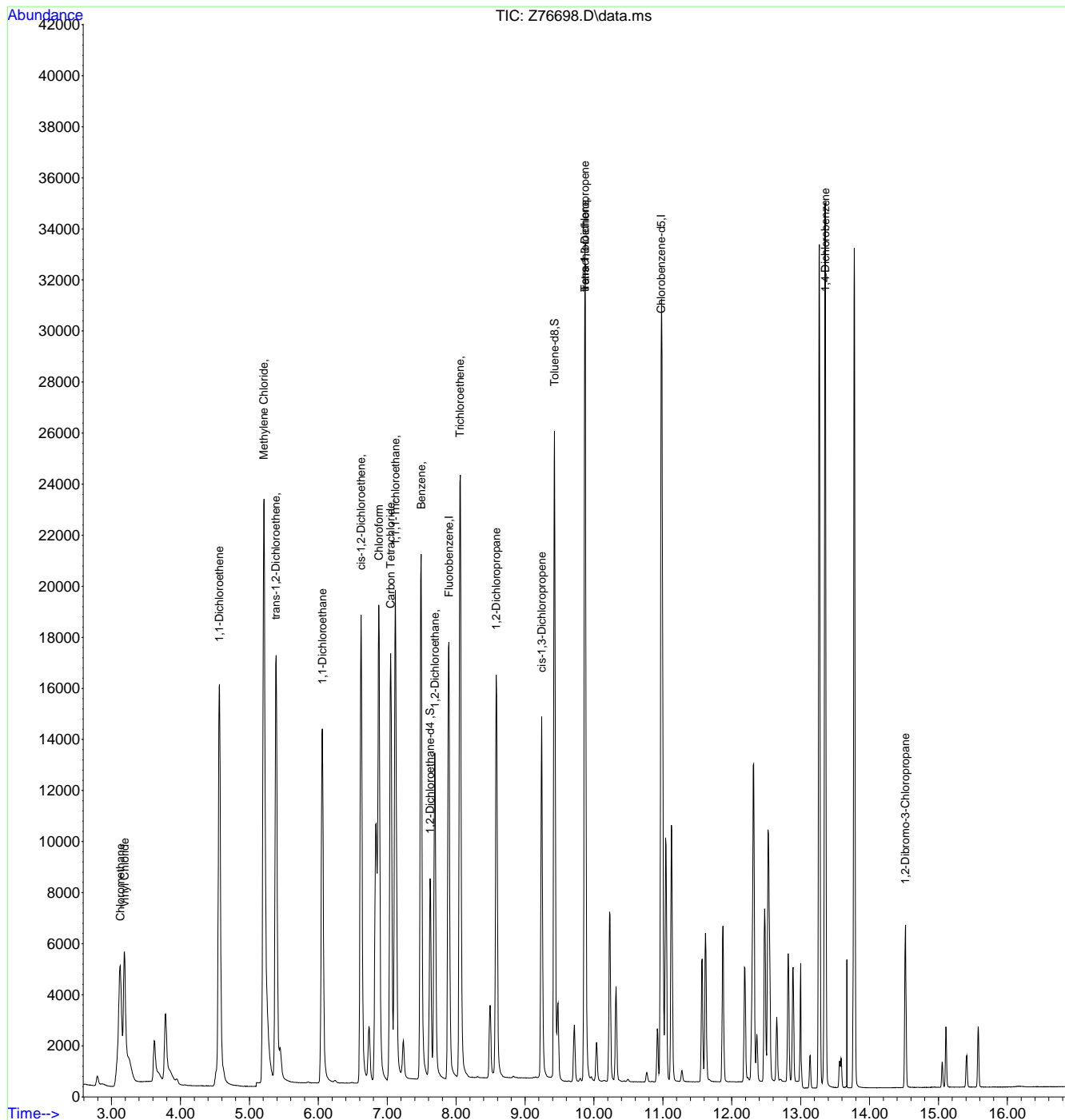


Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\090324\
Data File : Z76698.D
Acq On : 3 Sep 2024 8:05 am
Operator : claudias
Sample : bs
Misc : MS57383,VZ3088,,,,,
ALS Vial : 3 Sample Multiplier: 1

Inst : MSVOA15-Z

Quant Time: Sep 03 08:23:50 2024
Quant Method : C:\msdchem\1\methods\SIMCL-08-28-2024.M
Quant Title : Standard Methods 6200B
QLast Update : Wed Aug 28 11:30:23 2024
Response via : Initial Calibration



7.3.2
7



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\09-04-24\
 Data File : N0132423.D
 Acq On : 4 Sep 2024 7:32 am
 Operator : jeniferw
 Sample : BS
 Misc : MS57404,VN6714,,,,,
 ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 04 07:52:43 2024
 Quant Method : C:\msdchem\1\methods\SIMCL_VN6705_082024.M
 Quant Title : Standard Methods 6200B
 QLast Update : Tue Aug 20 14:01:28 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	

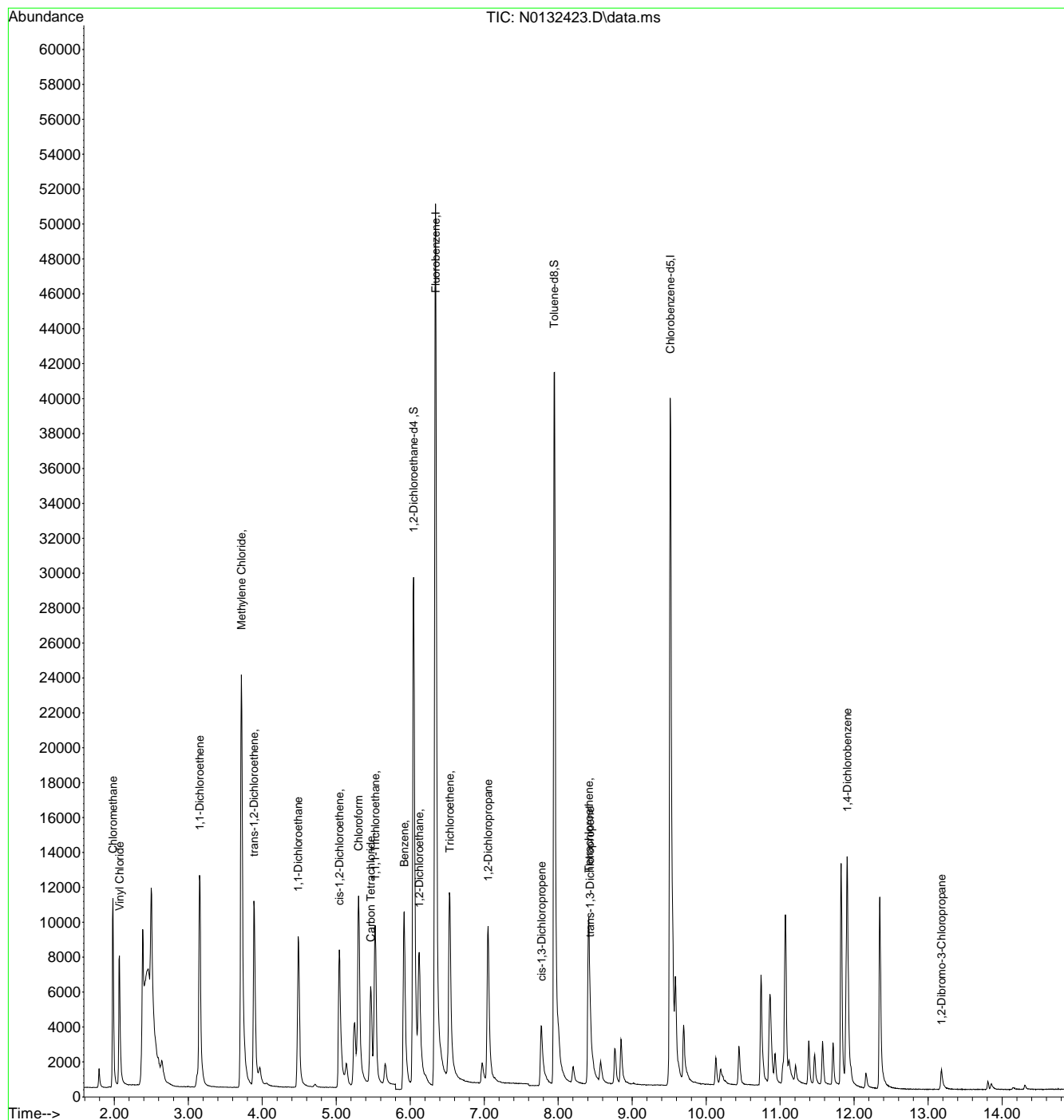
Internal Standards							
1) Fluorobenzene	6.341	96	64115	5.00	ug/L	0.00	
18) Chlorobenzene-d5	9.514	117	46464	5.00	ug/L	0.00	
System Monitoring Compounds							
13) 1,2-Dichloroethane-d4	6.045	65	27293	4.95	ug/L	0.00	
Spiked Amount	5.000	Range 74 - 125	Recovery	=	99.00%		
19) Toluene-d8	7.945	98	48285	4.71	ug/L	0.00	
Spiked Amount	5.000	Range 88 - 111	Recovery	=	94.20%		
Target Compounds							
							Qvalue
2) Vinyl Chloride	2.070	62	7409	5.22	ug/L		93
3) Chloromethane	1.982	50	9940	5.25	ug/L		100
4) 1,1-Dichloroethene	3.152	61	9174	4.86	ug/L		95
5) Methylene Chloride	3.718	49	24613	9.64	ug/L		89
6) trans-1,2-Dichloroethene	3.888	61	8531	5.42	ug/L		95
7) 1,1-Dichloroethane	4.487	63	11228	5.31	ug/L		99
8) cis-1,2-Dichloroethene	5.041	96	5224	5.66	ug/L		98
9) Chloroform	5.303	83	11703	5.17	ug/L		99
10) Carbon Tetrachloride	5.466	117	4194	4.37	ug/L		97
11) 1,1,1-Trichloroethane	5.527	97	6958	5.10	ug/L		99
12) Benzene	5.919	78	18534	5.41	ug/L		96
14) 1,2-Dichloroethane	6.120	62	9083	5.62	ug/L		98
15) Trichloroethene	6.537	95	4982	5.17	ug/L		96
16) 1,2-Dichloropropane	7.052	63	5913	5.47	ug/L		99
17) cis-1,3-Dichloropropene	7.774	75	4624	5.40	ug/L		99
20) trans-1,3-Dichloropropene	8.429	75	3887	4.72	ug/L		93
21) Tetrachloroethene	8.413	166	5257	5.02	ug/L #		99
22) 1,4-Dichlorobenzene	11.906	146	10962	4.62	ug/L		96
23) 1,2-Dibromo-3-Chloropr...	13.183	75	631	3.24	ug/L		92

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\09-04-24\
 Data File : N0132423.D
 Acq On : 4 Sep 2024 7:32 am
 Operator : jeniferw
 Sample : BS
 Misc : MS57404,VN6714,,,,,
 ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 04 07:52:43 2024
 Quant Method : C:\msdchem\1\methods\SIMCL_VN6705_082024.M
 Quant Title : Standard Methods 6200B
 QLast Update : Tue Aug 20 14:01:28 2024
 Response via : Initial Calibration



7.3.3
7



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\090424\
 Data File : Z76726.D
 Acq On : 4 Sep 2024 7:53 am
 Operator : claudias
 Sample : bs Inst : MSVOA15-Z
 Misc : MS57405,VZ3089,,,,,
 ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 04 08:11:09 2024
 Quant Method : C:\msdchem\1\methods\SIMCL-08-28-2024.M
 Quant Title : Standard Methods 6200B
 QLast Update : Wed Aug 28 11:30:23 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	

Internal Standards							
1) Fluorobenzene	7.894	96	18930	5.00	ug/L	0.00	
18) Chlorobenzene-d5	10.975	117	22704	5.00	ug/L	0.00	
System Monitoring Compounds							
13) 1,2-Dichloroethane-d4	7.621	65	6451	5.63	ug/L	0.00	
Spiked Amount	5.000	Range 74 - 125	Recovery	=	112.60%		
19) Toluene-d8	9.428	98	23476	4.64	ug/L	0.00	
Spiked Amount	5.000	Range 88 - 111	Recovery	=	92.80%		
Target Compounds							
							Qvalue
2) Vinyl Chloride	3.188	62	9861	5.19	ug/L		100
3) Chloromethane	3.120	50	11651	5.40	ug/L		98
4) 1,1-Dichloroethene	4.561	61	13892	6.55	ug/L		95
5) Methylene Chloride	5.208	49	19104	7.58	ug/L		92
6) trans-1,2-Dichloroethene	5.383	61	13704	6.74	ug/L		93
7) 1,1-Dichloroethane	6.059	63	17512	7.17	ug/L		100
8) cis-1,2-Dichloroethene	6.619	96	10404	6.31	ug/L		91
9) Chloroform	6.877	83	18676	5.94	ug/L		96
10) Carbon Tetrachloride	7.051	117	11979	5.08	ug/L		99
11) 1,1,1-Trichloroethane	7.119	97	15419	6.04	ug/L		96
12) Benzene	7.492	78	30484	5.56	ug/L		94
14) 1,2-Dichloroethane	7.689	62	12751	6.38	ug/L		94
15) Trichloroethene	8.055	95	7943	5.36	ug/L		87
16) 1,2-Dichloropropane	8.582	63	8396	5.58	ug/L		91
17) cis-1,3-Dichloropropene	9.240	75	11638	5.01	ug/L		91
20) trans-1,3-Dichloropropene	9.869	75	9732	3.98	ug/L		92
21) Tetrachloroethene	9.869	166	8159	4.75	ug/L #		90
22) 1,4-Dichlorobenzene	13.354	146	19666	5.09	ug/L		93
23) 1,2-Dibromo-3-Chloropr...	14.517	75	1997	3.75	ug/L #		66

(#) = qualifier out of range (m) = manual integration (+) = signals summed



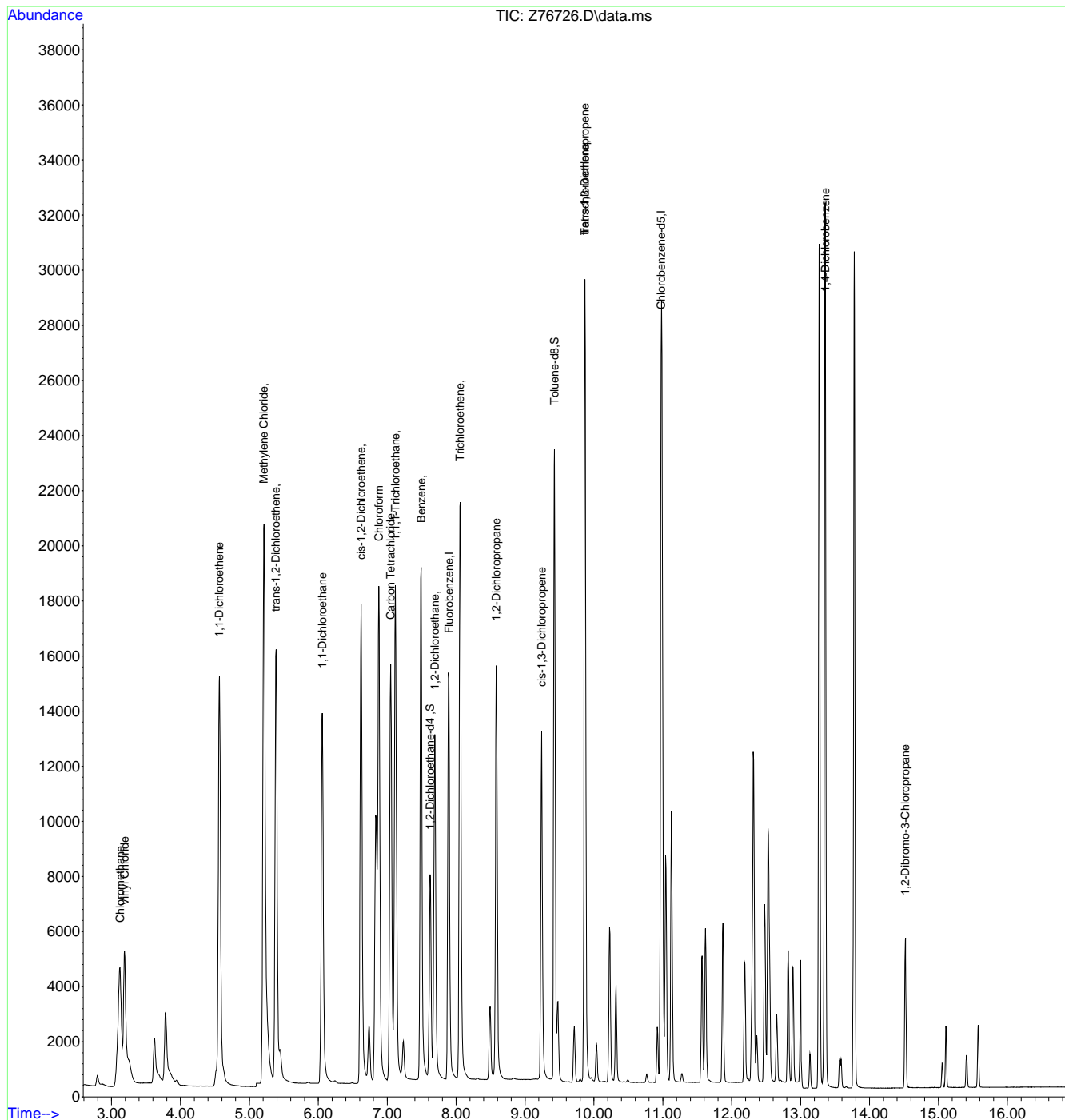
7.3.4
7

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\090424\
Data File : Z76726.D
Acq On : 4 Sep 2024 7:53 am
Operator : claudias
Sample : bs
Misc : MS57405,VZ3089,,,,,
ALS Vial : 3 Sample Multiplier: 1

Inst : MSVOA15-Z

Quant Time: Sep 04 08:11:09 2024
Quant Method : C:\msdchem\1\methods\SIMCL-08-28-2024.M
Quant Title : Standard Methods 6200B
QLast Update : Wed Aug 28 11:30:23 2024
Response via : Initial Calibration



7.3.4
7



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\083024\
 Data File : Z76693.D
 Acq On : 30 Aug 2024 5:24 pm
 Operator : claudias
 Sample : FC18326-4MS Inst : MSVOA15-Z
 Misc : MS57393,VZ3087,,,,,5
 ALS Vial : 26 Sample Multiplier: 1

Quant Time: Sep 03 06:23:11 2024
 Quant Method : C:\msdchem\1\methods\SIMCL-08-28-2024.M
 Quant Title : Standard Methods 6200B
 QLast Update : Wed Aug 28 11:30:23 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	

Internal Standards							
1) Fluorobenzene	7.895	96	19611	5.00	ug/L	0.00	
18) Chlorobenzene-d5	10.981	117	22316	5.00	ug/L	0.00	
System Monitoring Compounds							
13) 1,2-Dichloroethane-d4	7.628	65	6728	5.66	ug/L	0.00	
Spiked Amount	5.000	Range	74 - 125	Recovery	=	113.20%	
19) Toluene-d8	9.428	98	23648	4.75	ug/L	0.00	
Spiked Amount	5.000	Range	88 - 111	Recovery	=	95.00%	
Target Compounds							
							Qvalue
2) Vinyl Chloride	3.188	62	9548	4.83	ug/L		100
3) Chloromethane	3.125	50	10829	4.82	ug/L		99
4) 1,1-Dichloroethene	4.566	61	12415	5.60	ug/L		97
5) Methylene Chloride	5.213	49	20151	7.75	ug/L		95
6) trans-1,2-Dichloroethene	5.389	61	11615	5.45	ug/L		95
7) 1,1-Dichloroethane	6.059	63	14959	5.91	ug/L		100
8) cis-1,2-Dichloroethene	6.625	96	8638	5.00	ug/L		93
9) Chloroform	6.883	83	15867	4.80	ug/L		98
10) Carbon Tetrachloride	7.051	117	11069	4.49	ug/L		98
11) 1,1,1-Trichloroethane	7.119	97	13806	5.17	ug/L		94
12) Benzene	7.493	78	27586	4.85	ug/L		96
14) 1,2-Dichloroethane	7.696	62	11006	5.27	ug/L		95
15) Trichloroethene	8.061	95	7251	4.71	ug/L		89
16) 1,2-Dichloropropane	8.588	63	7596	4.87	ug/L		92
17) cis-1,3-Dichloropropene	9.246	75	10272	4.25	ug/L		93
20) trans-1,3-Dichloropropene	9.874	75	8524	3.55	ug/L		93
21) Tetrachloroethene	9.874	166	7114	4.20	ug/L #		92
22) 1,4-Dichlorobenzene	13.354	146	16196	4.27	ug/L		92
23) 1,2-Dibromo-3-Chloropr...	14.517	75	2037	3.90	ug/L #		65

(#) = qualifier out of range (m) = manual integration (+) = signals summed

7.4.1
7

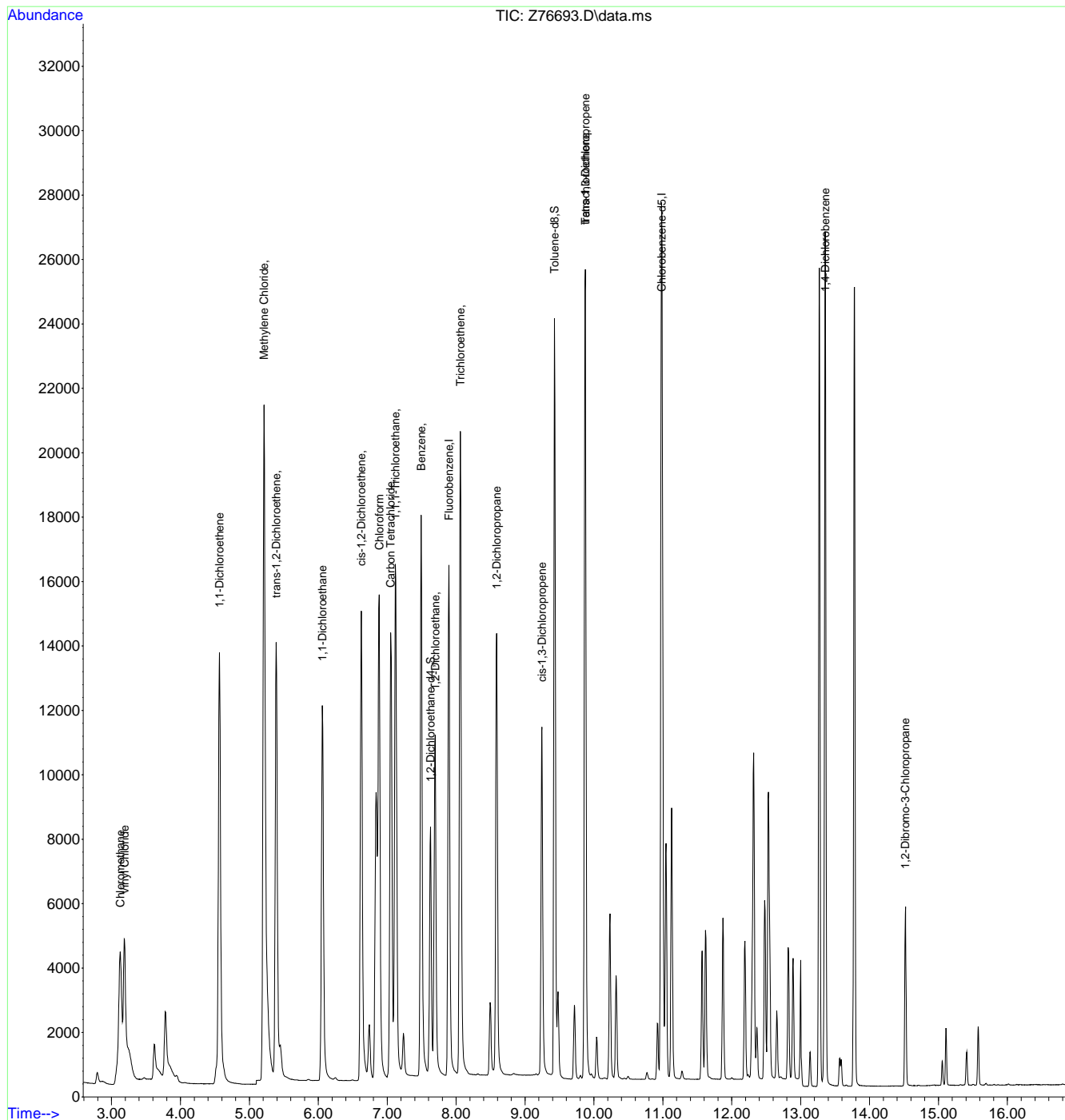


Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\083024\
 Data File : Z76693.D
 Acq On : 30 Aug 2024 5:24 pm
 Operator : claudias
 Sample : FC18326-4MS
 Misc : MS57393,VZ3087,,,,,5
 ALS Vial : 26 Sample Multiplier: 1

Inst : MSVOA15-Z

Quant Time: Sep 03 06:23:11 2024
 Quant Method : C:\msdchem\1\methods\SIMCL-08-28-2024.M
 Quant Title : Standard Methods 6200B
 QLast Update : Wed Aug 28 11:30:23 2024
 Response via : Initial Calibration



7.4.1
7



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\083024\
 Data File : Z76694.D
 Acq On : 30 Aug 2024 5:47 pm
 Operator : claudias
 Sample : FC18326-4MSD Inst : MSVOA15-Z
 Misc : MS57393,VZ3087,,,,,5
 ALS Vial : 27 Sample Multiplier: 1

Quant Time: Sep 03 06:23:13 2024
 Quant Method : C:\msdchem\1\methods\SIMCL-08-28-2024.M
 Quant Title : Standard Methods 6200B
 QLast Update : Wed Aug 28 11:30:23 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	

Internal Standards							
1) Fluorobenzene	7.894	96	20035	5.00	ug/L	0.00	
18) Chlorobenzene-d5	10.980	117	22734	5.00	ug/L	0.00	
System Monitoring Compounds							
13) 1,2-Dichloroethane-d4	7.628	65	6936	5.71	ug/L	0.00	
Spiked Amount	5.000	Range	74 - 125	Recovery	=	114.20%	
19) Toluene-d8	9.428	98	24073	4.75	ug/L	0.00	
Spiked Amount	5.000	Range	88 - 111	Recovery	=	95.00%	
Target Compounds							
							Qvalue
2) Vinyl Chloride	3.188	62	10089	5.01	ug/L		99
3) Chloromethane	3.125	50	11537	5.04	ug/L		99
4) 1,1-Dichloroethene	4.566	61	13067	5.78	ug/L		96
5) Methylene Chloride	5.213	49	21485	8.15	ug/L		93
6) trans-1,2-Dichloroethene	5.389	61	12276	5.65	ug/L		94
7) 1,1-Dichloroethane	6.059	63	15924	6.16	ug/L		100
8) cis-1,2-Dichloroethene	6.625	96	9203	5.22	ug/L		93
9) Chloroform	6.883	83	16861	5.00	ug/L		97
10) Carbon Tetrachloride	7.051	117	11581	4.61	ug/L		98
11) 1,1,1-Trichloroethane	7.126	97	14575	5.35	ug/L		96
12) Benzene	7.492	78	29427	5.07	ug/L		96
14) 1,2-Dichloroethane	7.696	62	11776	5.53	ug/L		93
15) Trichloroethene	8.060	95	7725	4.91	ug/L		88
16) 1,2-Dichloropropane	8.588	63	8128	5.10	ug/L		92
17) cis-1,3-Dichloropropene	9.246	75	11076	4.49	ug/L		93
20) trans-1,3-Dichloropropene	9.874	75	9168	3.75	ug/L		93
21) Tetrachloroethene	9.874	166	7394	4.29	ug/L #		92
22) 1,4-Dichlorobenzene	13.354	146	16996	4.40	ug/L		93
23) 1,2-Dibromo-3-Chloropr...	14.517	75	2189	4.12	ug/L #		65

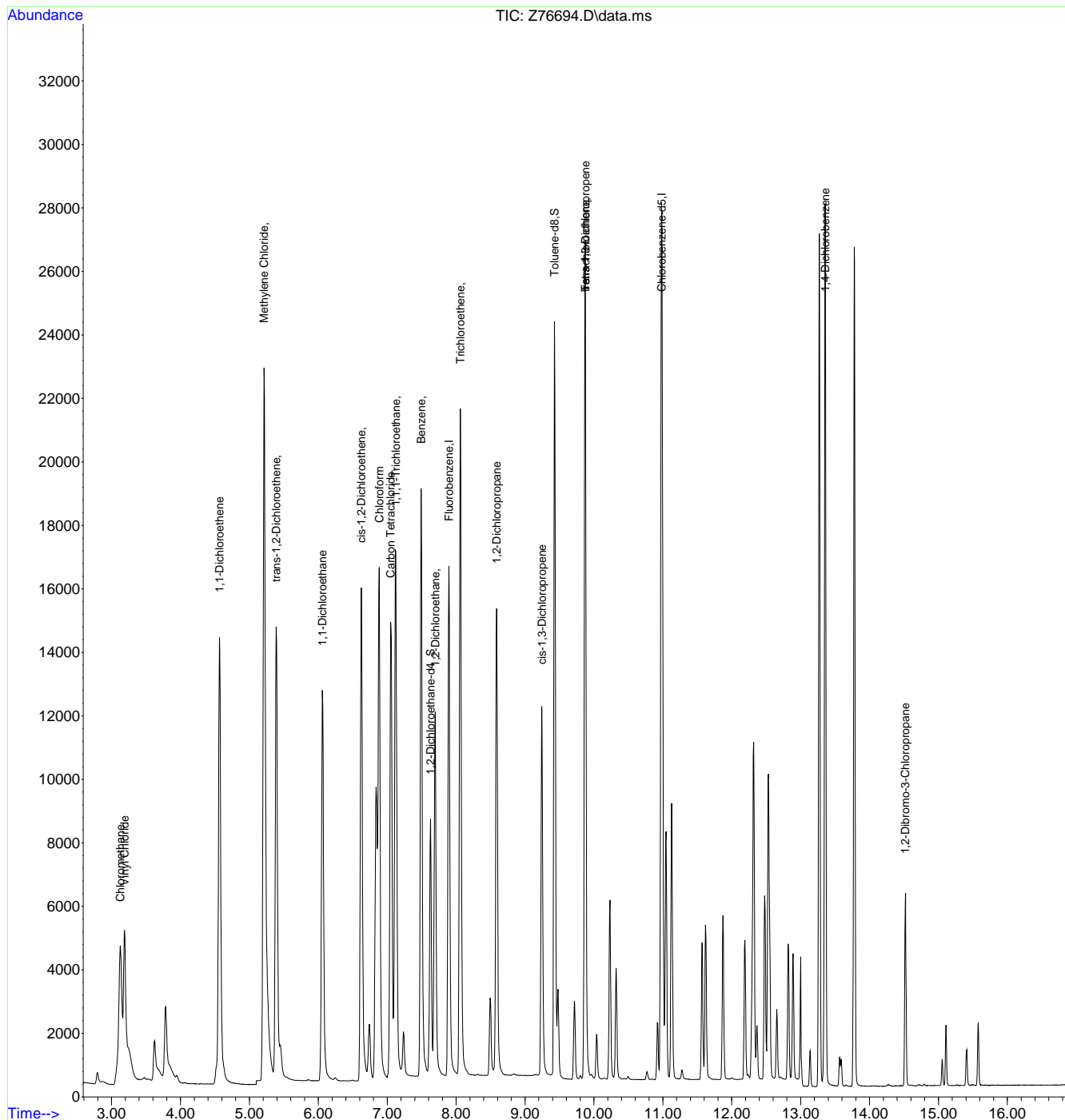
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\083024\
 Data File : Z76694.D
 Acq On : 30 Aug 2024 5:47 pm
 Operator : claudias
 Sample : FC18326-4MSD
 Misc : MS57393,VZ3087,,,,,5
 ALS Vial : 27 Sample Multiplier: 1

Inst : MSVOA15-Z

Quant Time: Sep 03 06:23:13 2024
 Quant Method : C:\msdchem\1\methods\SIMCL-08-28-2024.M
 Quant Title : Standard Methods 6200B
 QLast Update : Wed Aug 28 11:30:23 2024
 Response via : Initial Calibration



7.4.2
7



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\090324\
 Data File : Z76721.D
 Acq On : 3 Sep 2024 5:26 pm
 Operator : claudias
 Sample : FC18325-4MS Inst : MSVOA15-Z
 Misc : MS57405,VZ3088,,,,,5
 ALS Vial : 26 Sample Multiplier: 1

Quant Time: Sep 04 06:38:10 2024
 Quant Method : C:\msdchem\1\methods\SIMCL-08-28-2024.M
 Quant Title : Standard Methods 6200B
 QLast Update : Wed Aug 28 11:30:23 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	

Internal Standards							
1) Fluorobenzene	7.895	96	19083	5.00	ug/L	0.00	
18) Chlorobenzene-d5	10.980	117	22806	5.00	ug/L	0.00	
System Monitoring Compounds							
13) 1,2-Dichloroethane-d4	7.628	65	6966	6.03	ug/L	0.00	
Spiked Amount	5.000	Range 74 - 125	Recovery	=	120.60%		
19) Toluene-d8	9.428	98	23578	4.64	ug/L	0.00	
Spiked Amount	5.000	Range 88 - 111	Recovery	=	92.80%		
Target Compounds							
							Qvalue
2) Vinyl Chloride	3.188	62	9794	5.11	ug/L		100
3) Chloromethane	3.120	50	11346	5.21	ug/L		99
4) 1,1-Dichloroethene	4.566	61	14280	6.69	ug/L		96
5) Methylene Chloride	5.213	49	20178	8.02	ug/L		94
6) trans-1,2-Dichloroethene	5.389	61	13387	6.52	ug/L		96
7) 1,1-Dichloroethane	6.059	63	17346	7.05	ug/L		100
8) cis-1,2-Dichloroethene	6.625	96	10013	6.00	ug/L		94
9) Chloroform	6.883	83	18243	5.74	ug/L		98
10) Carbon Tetrachloride	7.051	117	12007	5.05	ug/L		98
11) 1,1,1-Trichloroethane	7.119	97	15660	6.08	ug/L		94
12) Benzene	7.492	78	30486	5.51	ug/L		96
14) 1,2-Dichloroethane	7.689	62	12823	6.37	ug/L		93
15) Trichloroethene	8.061	95	8013	5.36	ug/L		89
16) 1,2-Dichloropropane	8.588	63	8491	5.60	ug/L		92
17) cis-1,3-Dichloropropene	9.240	75	11342	4.84	ug/L		87
20) trans-1,3-Dichloropropene	9.874	75	9513	3.88	ug/L		93
21) Tetrachloroethene	9.874	166	7902	4.58	ug/L #		92
22) 1,4-Dichlorobenzene	13.354	146	18247	4.71	ug/L		93
23) 1,2-Dibromo-3-Chloropr...	14.517	75	2224	4.17	ug/L #		64

(#) = qualifier out of range (m) = manual integration (+) = signals summed

7.4.3
7

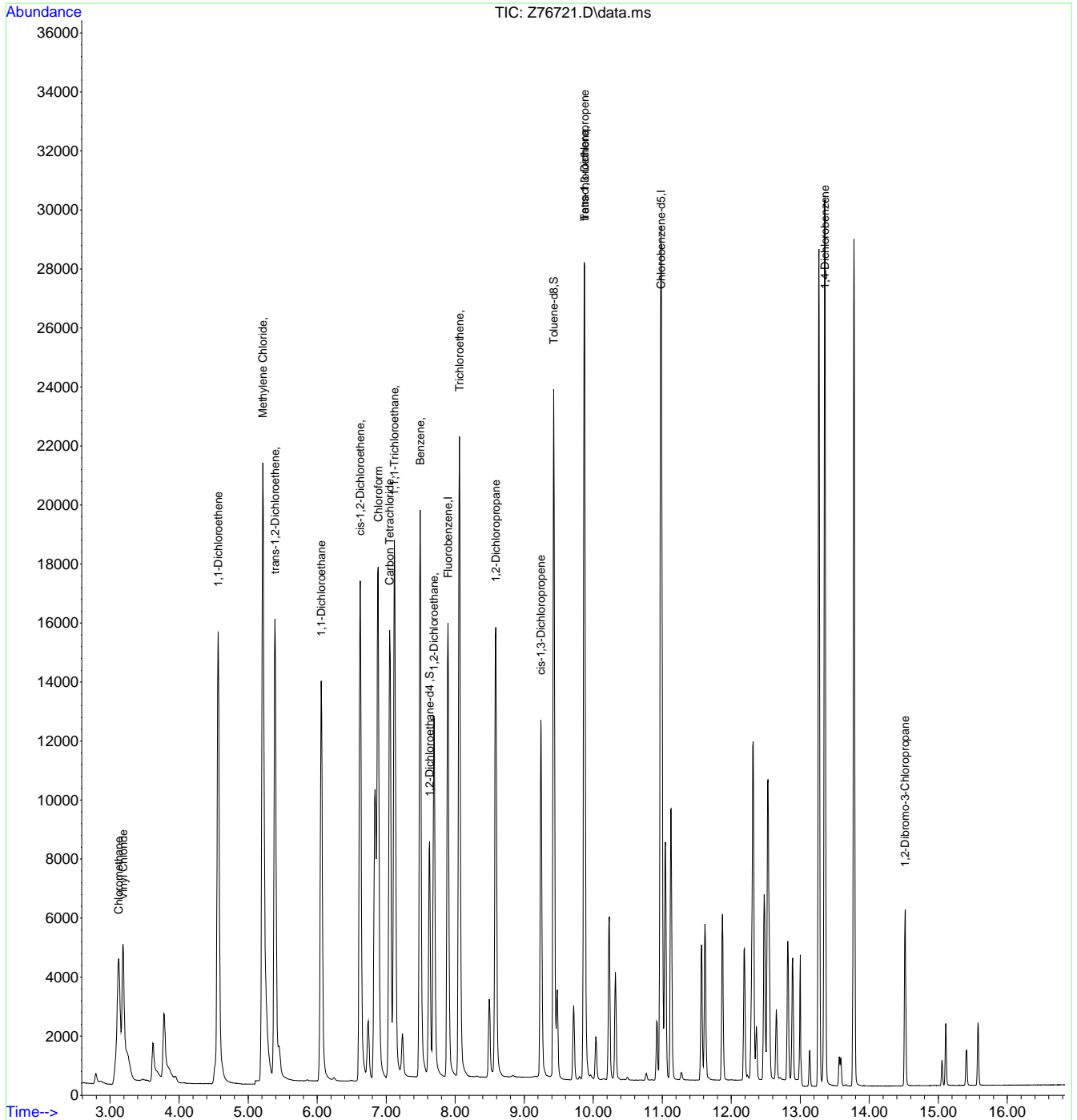


Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\090324\
 Data File : Z76721.D
 Acq On : 3 Sep 2024 5:26 pm
 Operator : claudias
 Sample : FC18325-4MS
 Misc : MS57405,VZ3088,,,,,5
 ALS Vial : 26 Sample Multiplier: 1

Inst : MSVOA15-Z

Quant Time: Sep 04 06:38:10 2024
 Quant Method : C:\msdchem\1\methods\SIMCL-08-28-2024.M
 Quant Title : Standard Methods 6200B
 QLast Update : Wed Aug 28 11:30:23 2024
 Response via : Initial Calibration



7.4.3
7



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\090324\
 Data File : Z76722.D
 Acq On : 3 Sep 2024 5:49 pm
 Operator : claudias
 Sample : FC18325-4MSD Inst : MSVOA15-Z
 Misc : MS57405,VZ3088,,,,,5
 ALS Vial : 27 Sample Multiplier: 1

Quant Time: Sep 04 06:38:12 2024
 Quant Method : C:\msdchem\1\methods\SIMCL-08-28-2024.M
 Quant Title : Standard Methods 6200B
 QLast Update : Wed Aug 28 11:30:23 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	

Internal Standards							
1) Fluorobenzene	7.894	96	18814	5.00	ug/L	0.00	
18) Chlorobenzene-d5	10.975	117	22460	5.00	ug/L	0.00	
System Monitoring Compounds							
13) 1,2-Dichloroethane-d4	7.628	65	6757	5.93	ug/L	0.00	
Spiked Amount	5.000	Range	74 - 125	Recovery	=	118.60%	
19) Toluene-d8	9.428	98	23297	4.65	ug/L	0.00	
Spiked Amount	5.000	Range	88 - 111	Recovery	=	93.00%	
Target Compounds							
							Qvalue
2) Vinyl Chloride	3.183	62	10301	5.47	ug/L		99
3) Chloromethane	3.120	50	11893	5.55	ug/L		99
4) 1,1-Dichloroethene	4.561	61	13418	6.36	ug/L		94
5) Methylene Chloride	5.208	49	18571	7.39	ug/L		90
6) trans-1,2-Dichloroethene	5.389	61	12532	6.17	ug/L		97
7) 1,1-Dichloroethane	6.059	63	16216	6.68	ug/L		99
8) cis-1,2-Dichloroethene	6.625	96	9382	5.69	ug/L		95
9) Chloroform	6.883	83	17085	5.43	ug/L		98
10) Carbon Tetrachloride	7.051	117	11246	4.78	ug/L		98
11) 1,1,1-Trichloroethane	7.119	97	14625	5.74	ug/L		94
12) Benzene	7.492	78	28305	5.19	ug/L		96
14) 1,2-Dichloroethane	7.689	62	11946	6.00	ug/L		93
15) Trichloroethene	8.060	95	7419	5.03	ug/L		89
16) 1,2-Dichloropropane	8.588	63	7802	5.22	ug/L		92
17) cis-1,3-Dichloropropene	9.240	75	10410	4.50	ug/L		87
20) trans-1,3-Dichloropropene	9.874	75	8751	3.62	ug/L		93
21) Tetrachloroethene	9.874	166	7451	4.38	ug/L #		93
22) 1,4-Dichlorobenzene	13.354	146	17033	4.46	ug/L		92
23) 1,2-Dibromo-3-Chloropr...	14.517	75	2049	3.90	ug/L #		64

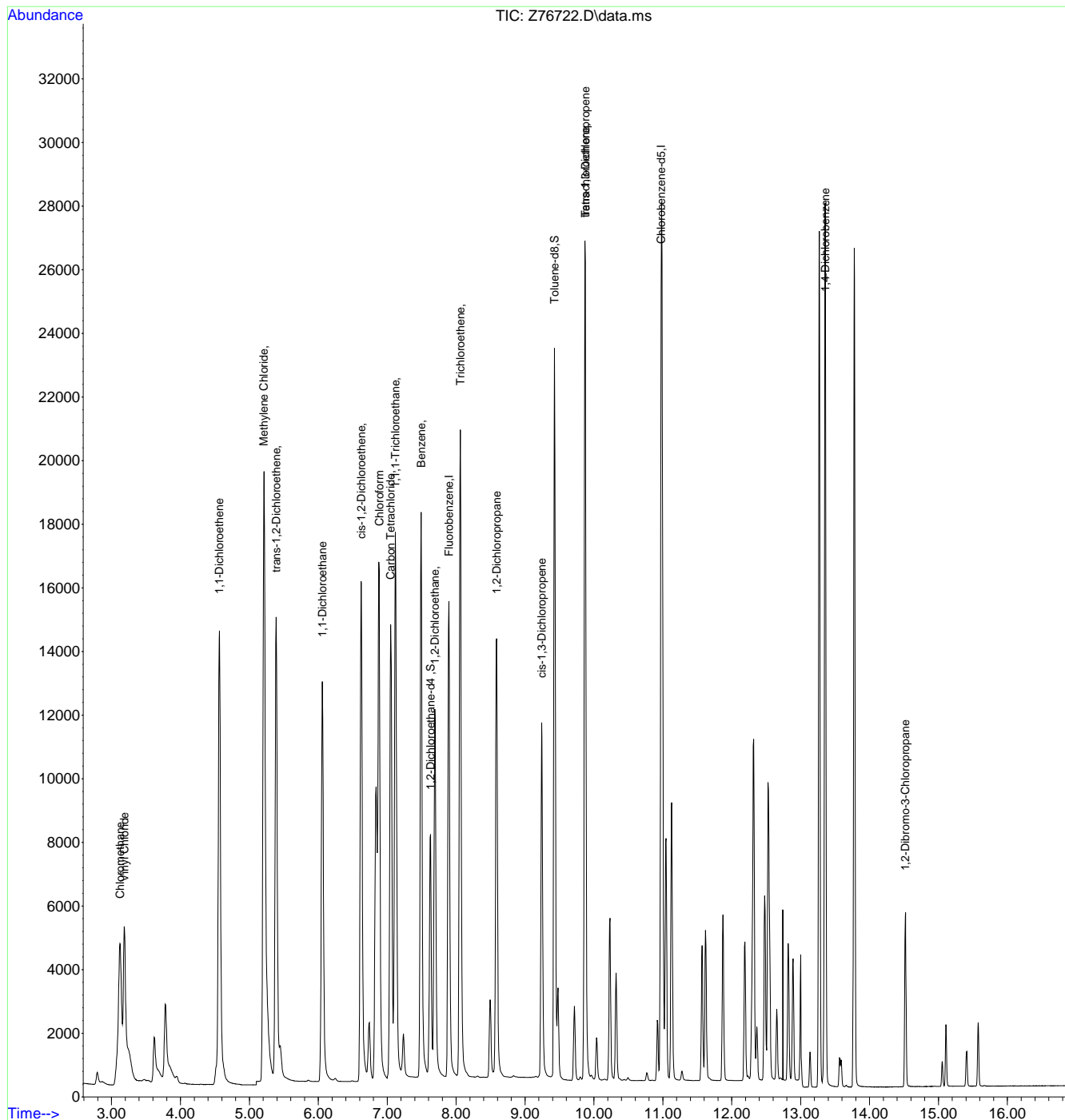
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\090324\
 Data File : Z76722.D
 Acq On : 3 Sep 2024 5:49 pm
 Operator : claudias
 Sample : FC18325-4MSD
 Misc : MS57405,VZ3088,,,,,5
 ALS Vial : 27 Sample Multiplier: 1

Inst : MSVOA15-Z

Quant Time: Sep 04 06:38:12 2024
 Quant Method : C:\msdchem\1\methods\SIMCL-08-28-2024.M
 Quant Title : Standard Methods 6200B
 QLast Update : Wed Aug 28 11:30:23 2024
 Response via : Initial Calibration



7.4.4
7



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\090424\
 Data File : Z76739.D
 Acq On : 4 Sep 2024 1:17 pm
 Operator : claudias
 Sample : Fc18326-36ms Inst : MSVOA15-Z
 Misc : MS57418,VZ3089,,,,,5
 ALS Vial : 16 Sample Multiplier: 1

Quant Time: Sep 05 06:16:09 2024
 Quant Method : C:\msdchem\1\methods\SIMCL-08-28-2024.M
 Quant Title : Standard Methods 6200B
 QLast Update : Wed Aug 28 11:30:23 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	

Internal Standards							
1) Fluorobenzene	7.894	96	18462	5.00	ug/L	0.00	
18) Chlorobenzene-d5	10.975	117	21872	5.00	ug/L	0.00	
System Monitoring Compounds							
13) 1,2-Dichloroethane-d4	7.628	65	6580	5.88	ug/L	0.00	
Spiked Amount	5.000	Range 74 - 125	Recovery	=	117.60%		
19) Toluene-d8	9.428	98	22599	4.63	ug/L	0.00	
Spiked Amount	5.000	Range 88 - 111	Recovery	=	92.60%		
Target Compounds							
							Qvalue
2) Vinyl Chloride	3.183	62	9646	5.20	ug/L		99
3) Chloromethane	3.120	50	10851	5.14	ug/L		98
4) 1,1-Dichloroethene	4.561	61	14194	6.89	ug/L		95
5) Methylene Chloride	5.208	49	17018	6.82	ug/L		91
6) trans-1,2-Dichloroethene	5.389	61	13300	6.71	ug/L		96
7) 1,1-Dichloroethane	6.059	63	17157	7.20	ug/L		100
8) cis-1,2-Dichloroethene	6.625	96	9833	6.10	ug/L		95
9) Chloroform	6.877	83	18108	5.90	ug/L		95
10) Carbon Tetrachloride	7.051	117	12032	5.24	ug/L		98
11) 1,1,1-Trichloroethane	7.119	97	15687	6.31	ug/L		94
12) Benzene	7.492	78	30761	5.75	ug/L		96
14) 1,2-Dichloroethane	7.689	62	12817	6.59	ug/L		93
15) Trichloroethene	8.060	95	8154	5.65	ug/L		89
16) 1,2-Dichloropropane	8.588	63	8598	5.86	ug/L		92
17) cis-1,3-Dichloropropene	9.240	75	11516	5.08	ug/L		87
20) trans-1,3-Dichloropropene	9.874	75	9622	4.09	ug/L		93
21) Tetrachloroethene	9.869	166	7947	4.80	ug/L #		88
22) 1,4-Dichlorobenzene	13.354	146	18200	4.89	ug/L		93
23) 1,2-Dibromo-3-Chloropr...	14.517	75	2236	4.38	ug/L #		63

(#) = qualifier out of range (m) = manual integration (+) = signals summed

7.4.5
7

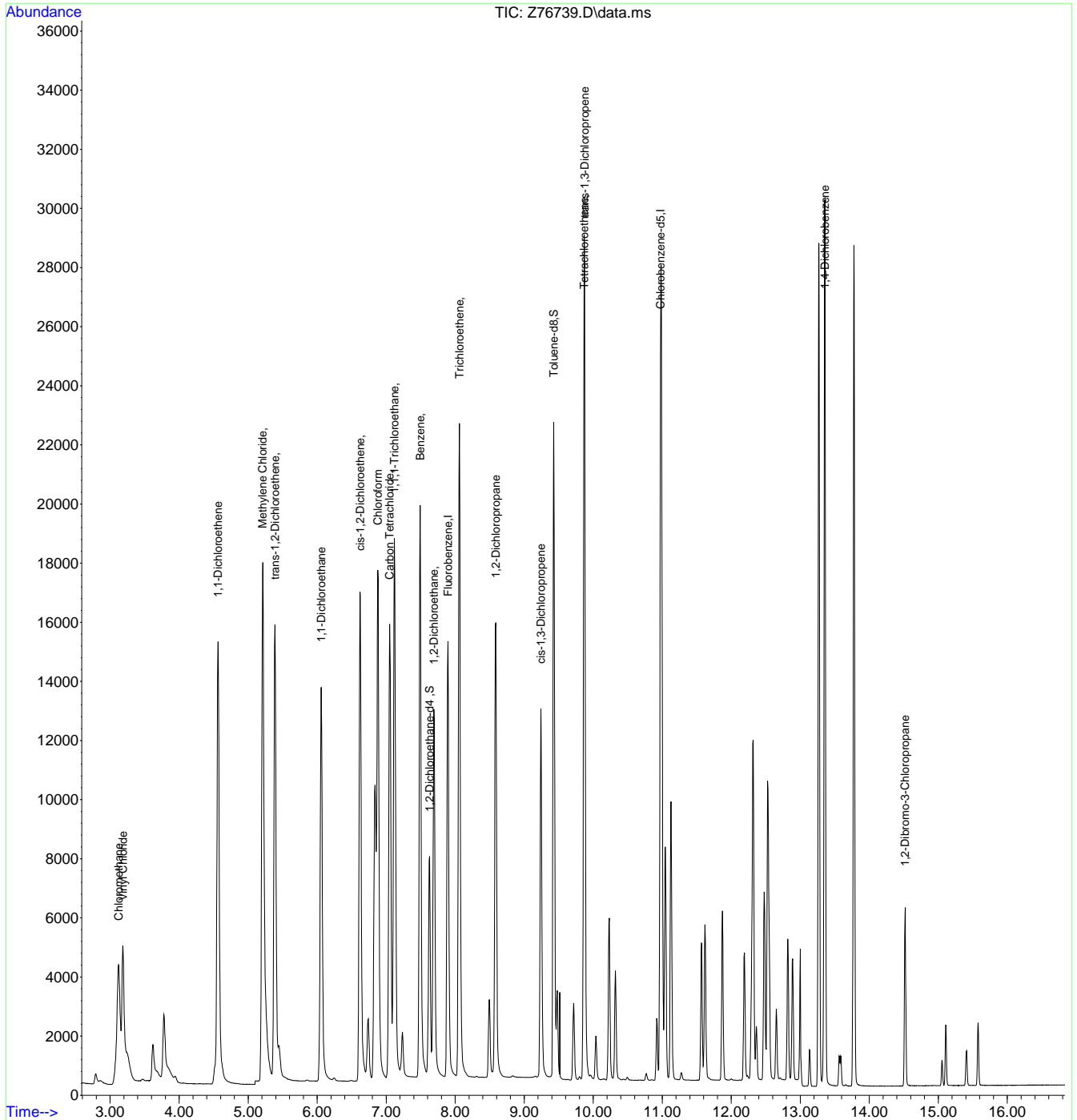


Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\090424\
 Data File : Z76739.D
 Acq On : 4 Sep 2024 1:17 pm
 Operator : claudias
 Sample : Fc18326-36ms
 Misc : MS57418,VZ3089,,,,,5
 ALS Vial : 16 Sample Multiplier: 1

Inst : MSVOA15-Z

Quant Time: Sep 05 06:16:09 2024
 Quant Method : C:\msdchem\1\methods\SIMCL-08-28-2024.M
 Quant Title : Standard Methods 6200B
 QLast Update : Wed Aug 28 11:30:23 2024
 Response via : Initial Calibration



7.4.5
7



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\090424\
 Data File : Z76740.D
 Acq On : 4 Sep 2024 1:40 pm
 Operator : claudias
 Sample : FC18326-36msd Inst : MSVOA15-Z
 Misc : MS57418,VZ3089,,,,,5
 ALS Vial : 17 Sample Multiplier: 1

Quant Time: Sep 05 06:16:13 2024
 Quant Method : C:\msdchem\1\methods\SIMCL-08-28-2024.M
 Quant Title : Standard Methods 6200B
 QLast Update : Wed Aug 28 11:30:23 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	

Internal Standards							
1) Fluorobenzene	7.894	96	18661	5.00	ug/L	0.00	
18) Chlorobenzene-d5	10.975	117	22209	5.00	ug/L	0.00	
System Monitoring Compounds							
13) 1,2-Dichloroethane-d4	7.628	65	6613	5.85	ug/L	0.00	
Spiked Amount	5.000	Range	74 - 125	Recovery	=	117.00%	
19) Toluene-d8	9.428	98	23031	4.65	ug/L	0.00	
Spiked Amount	5.000	Range	88 - 111	Recovery	=	93.00%	
Target Compounds							
							Qvalue
2) Vinyl Chloride	3.188	62	10152	5.43	ug/L		98
3) Chloromethane	3.129	50	11464	5.39	ug/L		99
4) 1,1-Dichloroethene	4.566	61	13202	6.30	ug/L		95
5) Methylene Chloride	5.213	49	17391	6.90	ug/L		92
6) trans-1,2-Dichloroethene	5.389	61	12400	6.16	ug/L		93
7) 1,1-Dichloroethane	6.059	63	16013	6.65	ug/L		99
8) cis-1,2-Dichloroethene	6.625	96	9173	5.61	ug/L		92
9) Chloroform	6.883	83	16847	5.40	ug/L		97
10) Carbon Tetrachloride	7.051	117	11285	4.84	ug/L		98
11) 1,1,1-Trichloroethane	7.126	97	14596	5.78	ug/L		96
12) Benzene	7.492	78	28592	5.29	ug/L		97
14) 1,2-Dichloroethane	7.696	62	11822	5.98	ug/L		95
15) Trichloroethene	8.060	95	7534	5.15	ug/L		88
16) 1,2-Dichloropropane	8.588	63	7921	5.34	ug/L		92
17) cis-1,3-Dichloropropene	9.240	75	10600	4.62	ug/L		86
20) trans-1,3-Dichloropropene	9.874	75	8832	3.70	ug/L		93
21) Tetrachloroethene	9.874	166	7409	4.40	ug/L #		91
22) 1,4-Dichlorobenzene	13.354	146	16884	4.47	ug/L		92
23) 1,2-Dibromo-3-Chloropr...	14.517	75	2030	3.91	ug/L #		63

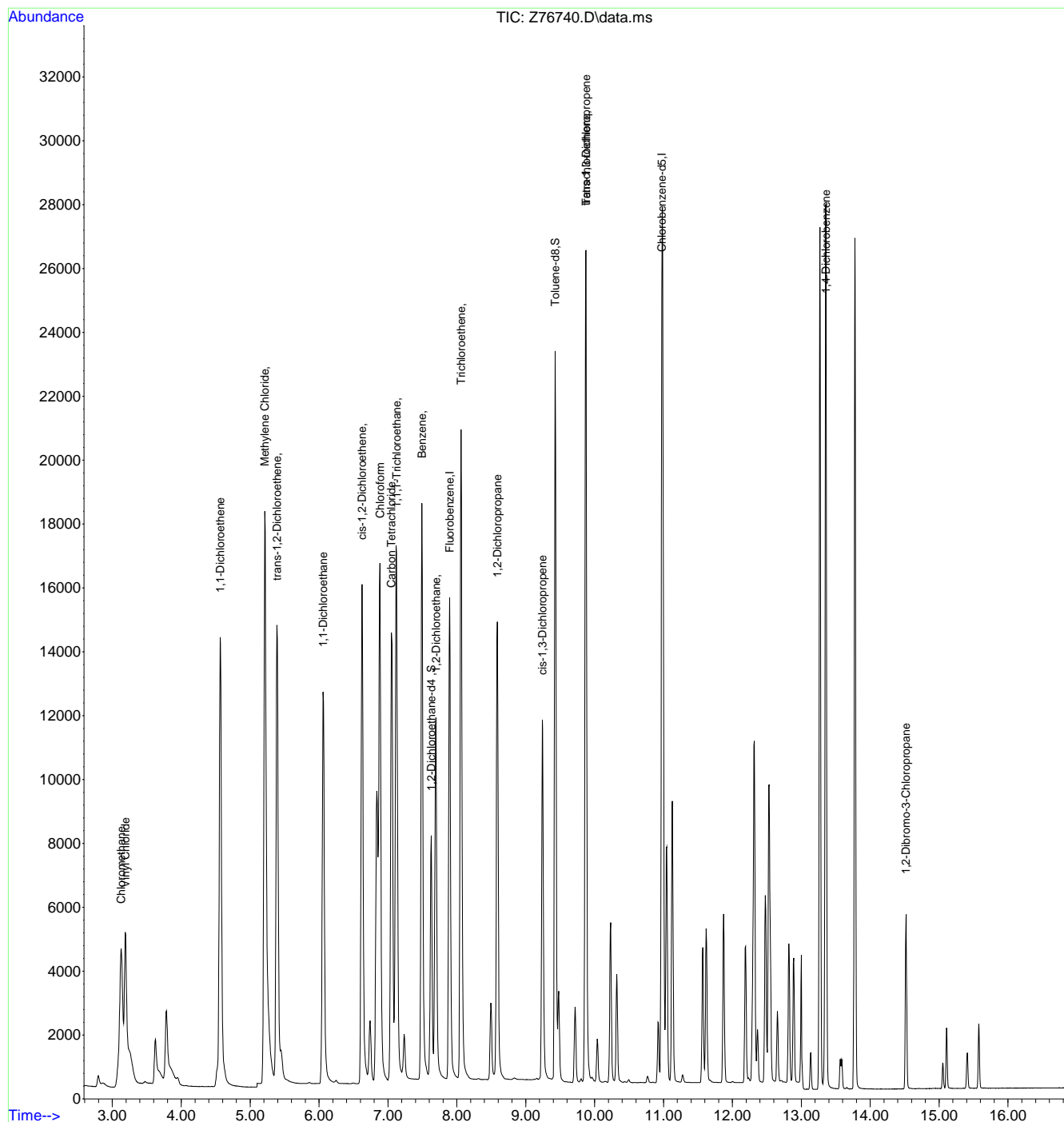
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\090424\
 Data File : Z76740.D
 Acq On : 4 Sep 2024 1:40 pm
 Operator : claudias
 Sample : FC18326-36msd
 Misc : MS57418,VZ3089,,,,,5
 ALS Vial : 17 Sample Multiplier: 1

Inst : MSVOA15-Z

Quant Time: Sep 05 06:16:13 2024
 Quant Method : C:\msdchem\1\methods\SIMCL-08-28-2024.M
 Quant Title : Standard Methods 6200B
 QLast Update : Wed Aug 28 11:30:23 2024
 Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\09-04-24\
 Data File : N0132441.D
 Acq On : 4 Sep 2024 2:42 pm
 Operator : jeniferw
 Sample : FC18326-23MS
 Misc : MS57416,VN6714,,,,,5
 ALS Vial : 21 Sample Multiplier: 1

Quant Time: Sep 05 05:56:21 2024
 Quant Method : C:\msdchem\1\methods\SIMCL_VN6705_082024.M
 Quant Title : Standard Methods 6200B
 QLast Update : Tue Aug 20 14:01:28 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	

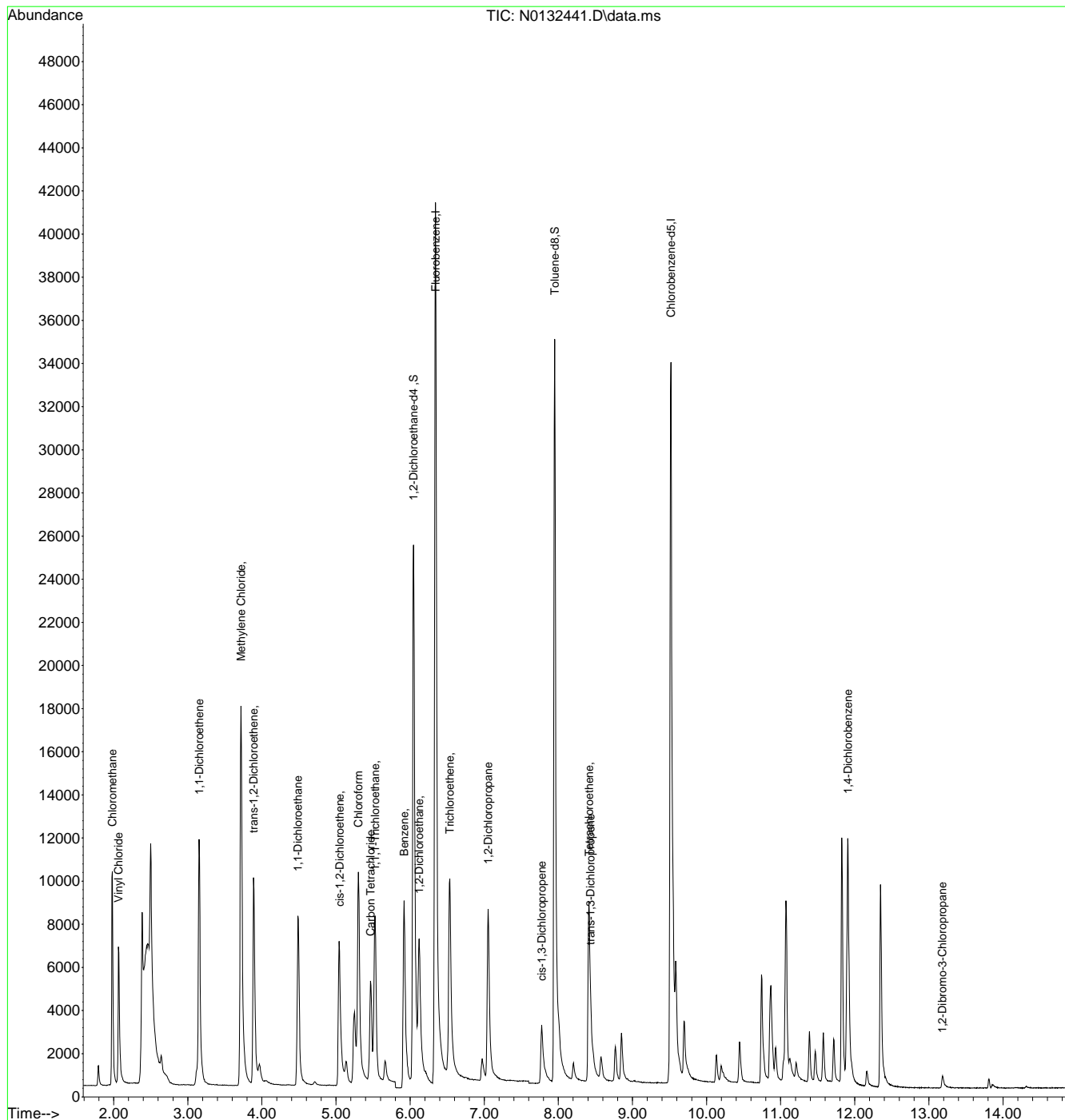
Internal Standards							
1) Fluorobenzene	6.341	96	53068	5.00	ug/L	0.00	
18) Chlorobenzene-d5	9.519	117	40467	5.00	ug/L	0.00	
System Monitoring Compounds							
13) 1,2-Dichloroethane-d4	6.045	65	23808	5.22	ug/L	0.00	
Spiked Amount	5.000	Range 74 - 125	Recovery	=	104.40%		
19) Toluene-d8	7.950	98	40168	4.50	ug/L	0.00	
Spiked Amount	5.000	Range 88 - 111	Recovery	=	90.00%		
Target Compounds							
							Qvalue
2) Vinyl Chloride	2.065	62	6414	5.46	ug/L		99
3) Chloromethane	1.982	50	8976	5.73	ug/L		99
4) 1,1-Dichloroethene	3.152	61	8507	5.45	ug/L		96
5) Methylene Chloride	3.718	49	18110	8.36	ug/L		88
6) trans-1,2-Dichloroethene	3.888	61	7557	5.80	ug/L		95
7) 1,1-Dichloroethane	4.487	63	10410	5.95	ug/L		99
8) cis-1,2-Dichloroethene	5.047	96	4414	5.78	ug/L		94
9) Chloroform	5.303	83	10592	5.69	ug/L		100
10) Carbon Tetrachloride	5.466	117	3435	4.33	ug/L		99
11) 1,1,1-Trichloroethane	5.527	97	5896	5.22	ug/L		98
12) Benzene	5.919	78	16148	5.70	ug/L		97
14) 1,2-Dichloroethane	6.120	62	8074	6.03	ug/L		98
15) Trichloroethene	6.537	95	4377	5.49	ug/L		96
16) 1,2-Dichloropropane	7.052	63	5119	5.72	ug/L		98
17) cis-1,3-Dichloropropene	7.774	75	3669	5.18	ug/L		100
20) trans-1,3-Dichloropropene	8.435	75	3171	4.45	ug/L		97
21) Tetrachloroethene	8.413	166	4710	5.17	ug/L #		94
22) 1,4-Dichlorobenzene	11.906	146	9657	4.67	ug/L		95
23) 1,2-Dibromo-3-Chloropr...	13.179	75	375m	2.21	ug/L		

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\09-04-24\
 Data File : N0132441.D
 Acq On : 4 Sep 2024 2:42 pm
 Operator : jeniferw
 Sample : FC18326-23MS
 Misc : MS57416,VN6714,,,,,5
 ALS Vial : 21 Sample Multiplier: 1

Quant Time: Sep 05 05:56:21 2024
 Quant Method : C:\msdchem\1\methods\SIMCL_VN6705_082024.M
 Quant Title : Standard Methods 6200B
 QLast Update : Tue Aug 20 14:01:28 2024
 Response via : Initial Calibration



7.4.7
7



Manual Integration Approval Summary

Sample Number: FC18326-23MS **Method:** SW846 8260D BY SIM
Lab FileID: N0132441.D **Analyst approved:** 09/05/24 07:45 Jenifer Willis
Injection Time: 09/04/24 14:42 **Supervisor approved:** 09/05/24 09:09 Karen Watson

Parameter	CAS	Sig#	R.T. (min.)	Reason
1,2-Dibromo-3-chloropropane	96-12-8		13.18	Missed peak

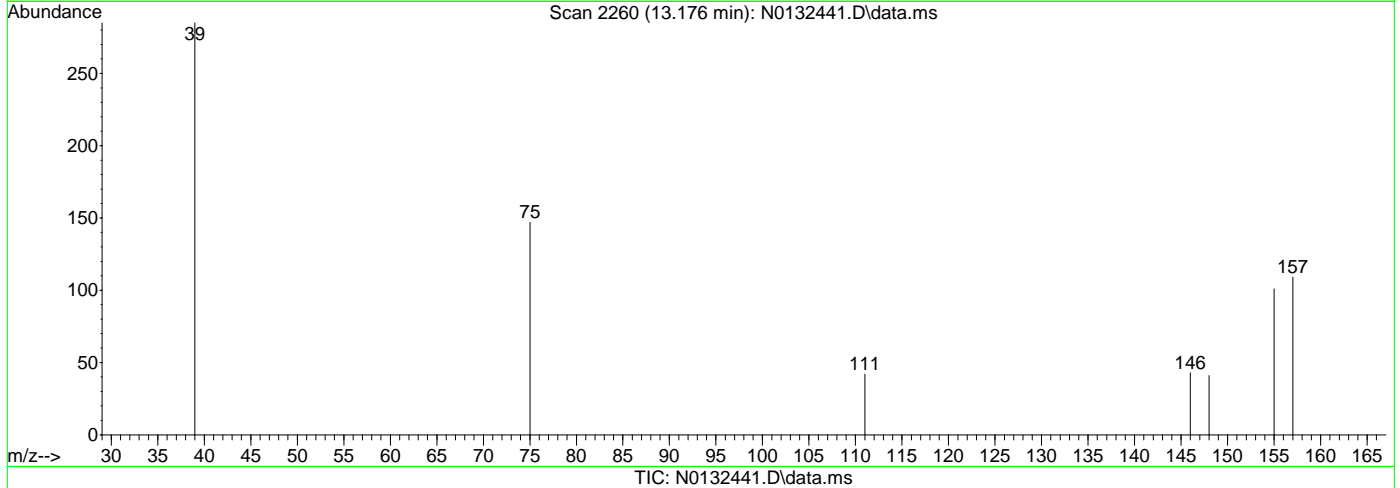
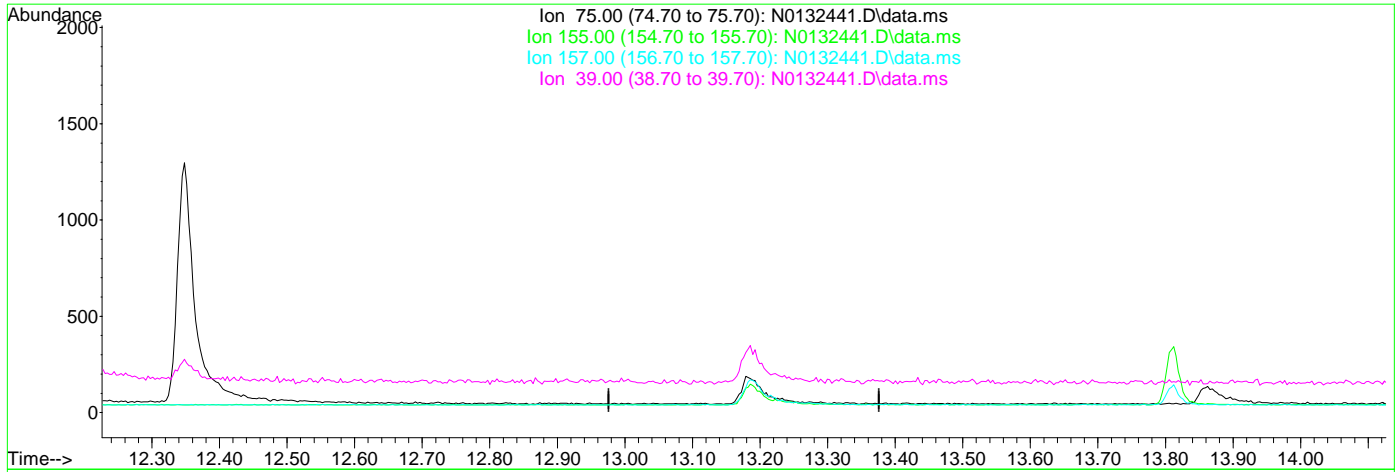
7.4.7.1

7

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\09-04-24\
 Data File : N0132441.D
 Acq On : 4 Sep 2024 2:42 pm
 Operator : jeniferw
 Sample : FC18326-23MS
 Misc : MS57416,VN6714,,,,,5
 ALS Vial : 21 Sample Multiplier: 1

Quant Time: Sep 05 05:56:07 2024
 Quant Method : C:\msdchem\1\methods\SIMCL_VN6705_082024.M
 Quant Title : Standard Methods 6200B
 QLast Update : Tue Aug 20 14:01:28 2024
 Response via : Initial Calibration



(23) 1,2-Dibromo-3-Chloropropane

13.176min (-13.176) 0.00ug/L

response 0

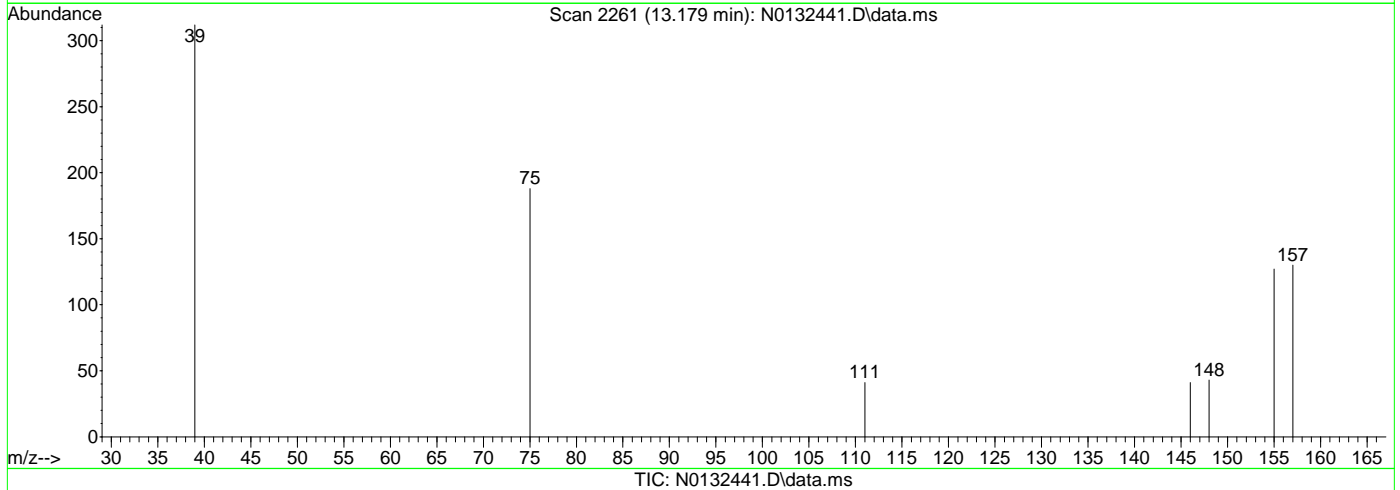
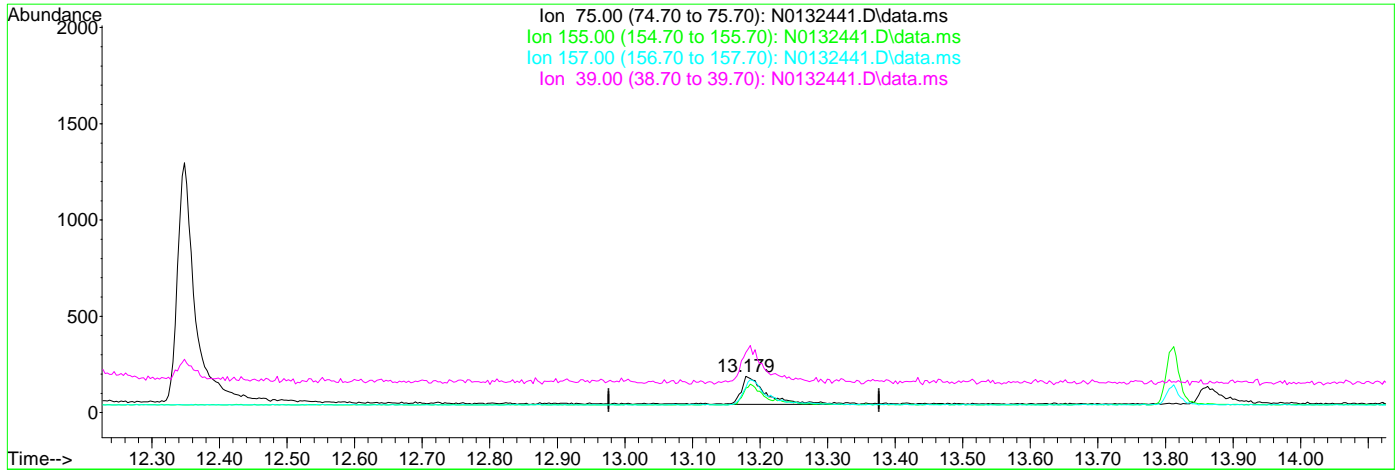
Ion	Exp%	Act%
75.00	100	0.00
155.00	72.00	0.00#
157.00	87.40	0.00#
39.00	113.50	0.00#

7.4.7.2
7

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\09-04-24\
 Data File : N0132441.D
 Acq On : 4 Sep 2024 2:42 pm
 Operator : jeniferw
 Sample : FC18326-23MS
 Misc : MS57416,VN6714,,,,,5
 ALS Vial : 21 Sample Multiplier: 1

Quant Time: Sep 05 05:56:07 2024
 Quant Method : C:\msdchem\1\methods\SIMCL_VN6705_082024.M
 Quant Title : Standard Methods 6200B
 QLast Update : Tue Aug 20 14:01:28 2024
 Response via : Initial Calibration



(23) 1,2-Dibromo-3-Chloropropane

13.179min (+0.003) 2.21ug/L m

response 375

Ion	Exp%	Act%
75.00	100	100
155.00	72.00	67.55
157.00	87.40	69.15
39.00	113.50	165.96#

7.4.7.3
7

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\09-04-24\
 Data File : N0132442.D
 Acq On : 4 Sep 2024 3:05 pm
 Operator : jeniferw
 Sample : FC18326-23MSD
 Misc : MS57416,VN6714,,,,,5
 ALS Vial : 22 Sample Multiplier: 1

Quant Time: Sep 05 05:56:35 2024
 Quant Method : C:\msdchem\1\methods\SIMCL_VN6705_082024.M
 Quant Title : Standard Methods 6200B
 QLast Update : Tue Aug 20 14:01:28 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	

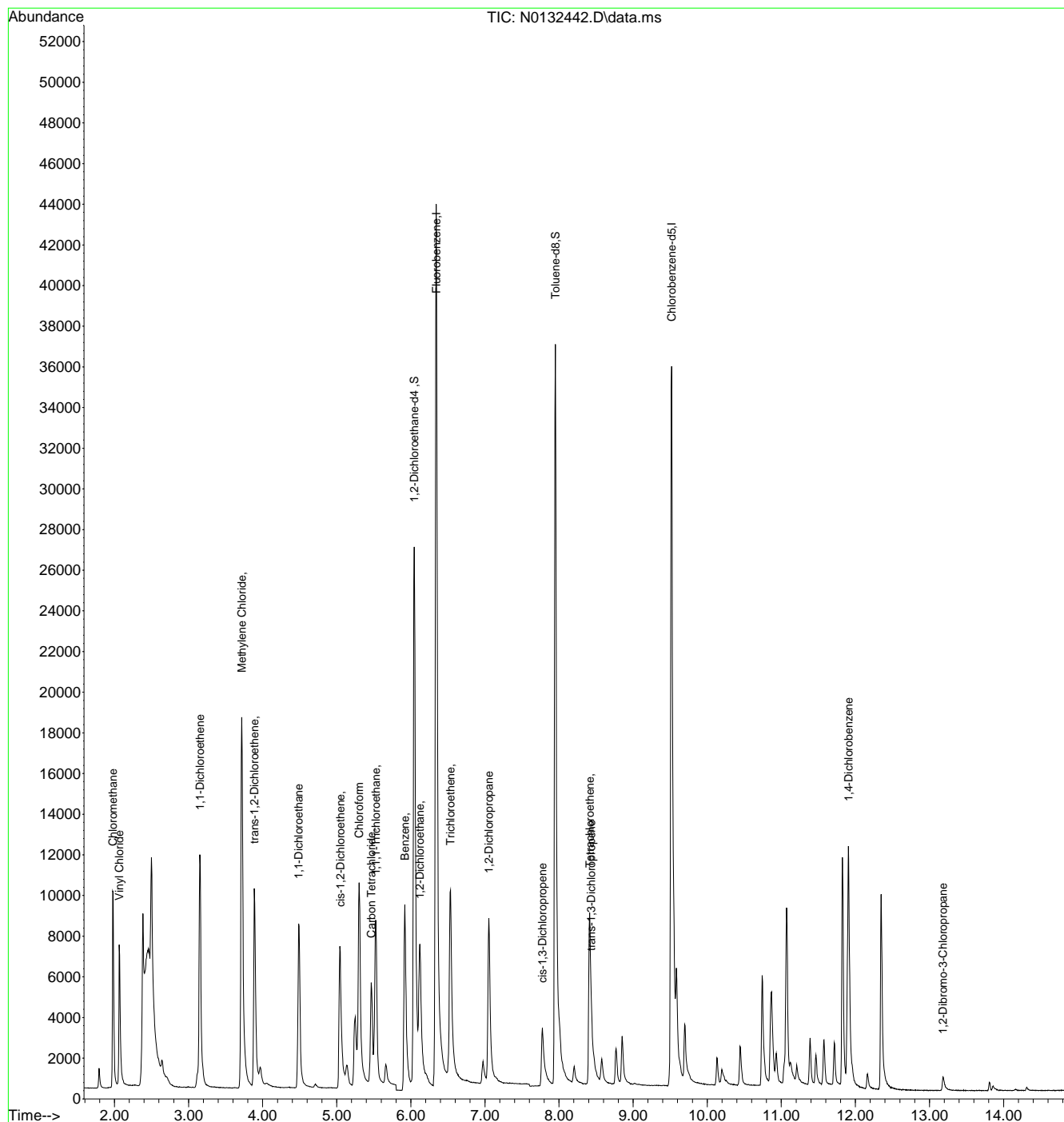
Internal Standards							
1) Fluorobenzene	6.341	96	56266	5.00	ug/L	0.00	
18) Chlorobenzene-d5	9.519	117	42526	5.00	ug/L	0.00	
System Monitoring Compounds							
13) 1,2-Dichloroethane-d4	6.045	65	24983	5.16	ug/L	0.00	
Spiked Amount	5.000	Range 74 - 125	Recovery	=	103.20%		
19) Toluene-d8	7.951	98	42784	4.56	ug/L	0.00	
Spiked Amount	5.000	Range 88 - 111	Recovery	=	91.20%		
Target Compounds							
							Qvalue
2) Vinyl Chloride	2.065	62	6802	5.46	ug/L		98
3) Chloromethane	1.977	50	9336	5.62	ug/L		97
4) 1,1-Dichloroethene	3.152	61	8735	5.28	ug/L		96
5) Methylene Chloride	3.718	49	18915	8.21	ug/L		89
6) trans-1,2-Dichloroethene	3.888	61	7753	5.61	ug/L		94
7) 1,1-Dichloroethane	4.487	63	10722	5.78	ug/L		99
8) cis-1,2-Dichloroethene	5.047	96	4611	5.69	ug/L		97
9) Chloroform	5.303	83	10795	5.46	ug/L		99
10) Carbon Tetrachloride	5.466	117	3667	4.36	ug/L		96
11) 1,1,1-Trichloroethane	5.527	97	6155	5.14	ug/L		99
12) Benzene	5.919	78	16669	5.55	ug/L		99
14) 1,2-Dichloroethane	6.121	62	8382	5.90	ug/L		99
15) Trichloroethene	6.537	95	4578	5.41	ug/L		98
16) 1,2-Dichloropropane	7.052	63	5379	5.67	ug/L		98
17) cis-1,3-Dichloropropene	7.774	75	3940	5.25	ug/L		97
20) trans-1,3-Dichloropropene	8.435	75	3356	4.47	ug/L		91
21) Tetrachloroethene	8.413	166	4726	4.94	ug/L #		98
22) 1,4-Dichlorobenzene	11.906	146	10001	4.60	ug/L		95
23) 1,2-Dibromo-3-Chloropr...	13.179	75	451m	2.53	ug/L		

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\09-04-24\
 Data File : N0132442.D
 Acq On : 4 Sep 2024 3:05 pm
 Operator : jeniferw
 Sample : FC18326-23MSD
 Misc : MS57416,VN6714,,,,,5
 ALS Vial : 22 Sample Multiplier: 1

Quant Time: Sep 05 05:56:35 2024
 Quant Method : C:\msdchem\1\methods\SIMCL_VN6705_082024.M
 Quant Title : Standard Methods 6200B
 QLast Update : Tue Aug 20 14:01:28 2024
 Response via : Initial Calibration



Manual Integration Approval Summary

Sample Number: FC18326-23MSD **Method:** SW846 8260D BY SIM
Lab FileID: N0132442.D **Analyst approved:** 09/05/24 07:45 Jenifer Willis
Injection Time: 09/04/24 15:05 **Supervisor approved:** 09/05/24 09:09 Karen Watson

Parameter	CAS	Sig#	R.T. (min.)	Reason
1,2-Dibromo-3-chloropropane	96-12-8		13.18	Missed peak

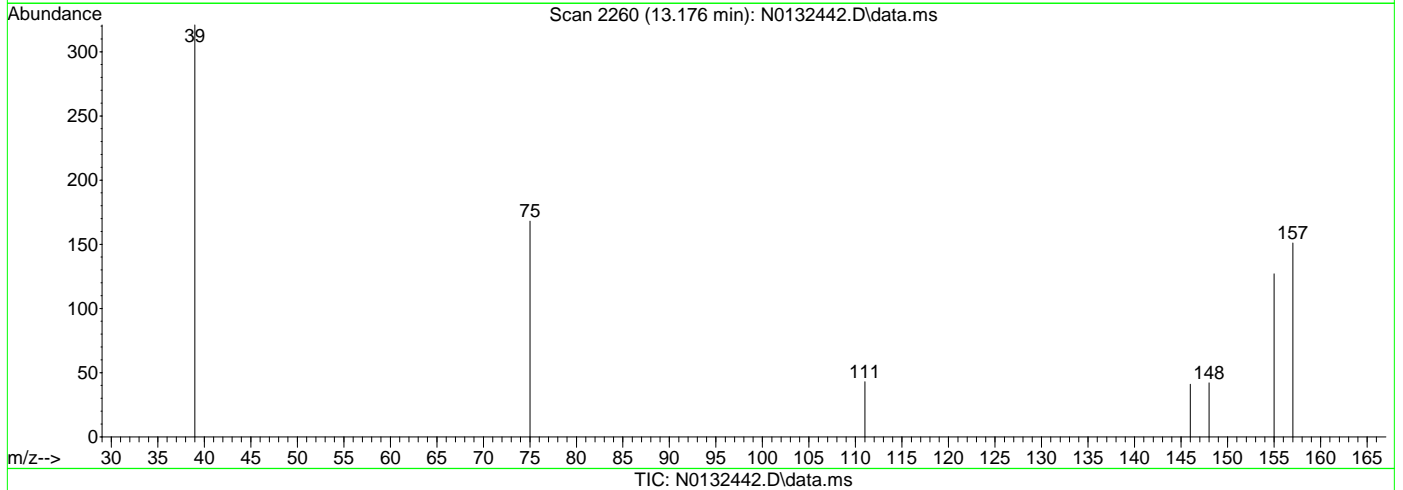
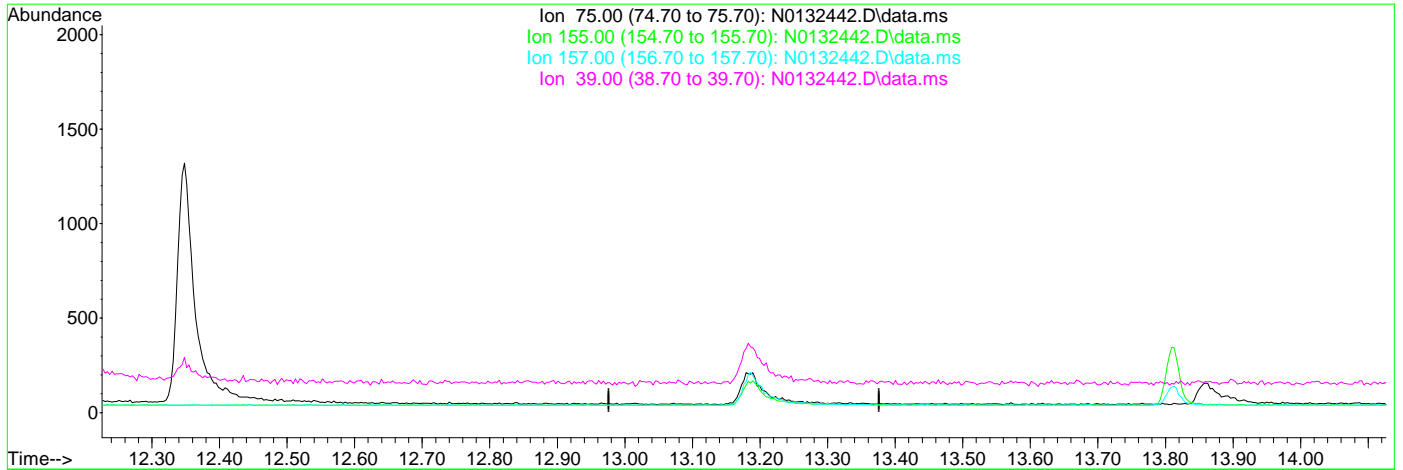
7.4.8.1

7

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\09-04-24\
 Data File : N0132442.D
 Acq On : 4 Sep 2024 3:05 pm
 Operator : jeniferw
 Sample : FC18326-23MSD
 Misc : MS57416,VN6714,,,,,5
 ALS Vial : 22 Sample Multiplier: 1

Quant Time: Sep 05 05:56:29 2024
 Quant Method : C:\msdchem\1\methods\SIMCL_VN6705_082024.M
 Quant Title : Standard Methods 6200B
 QLast Update : Tue Aug 20 14:01:28 2024
 Response via : Initial Calibration



(23) 1,2-Dibromo-3-Chloropropane

13.176min (-13.176) 0.00ug/L

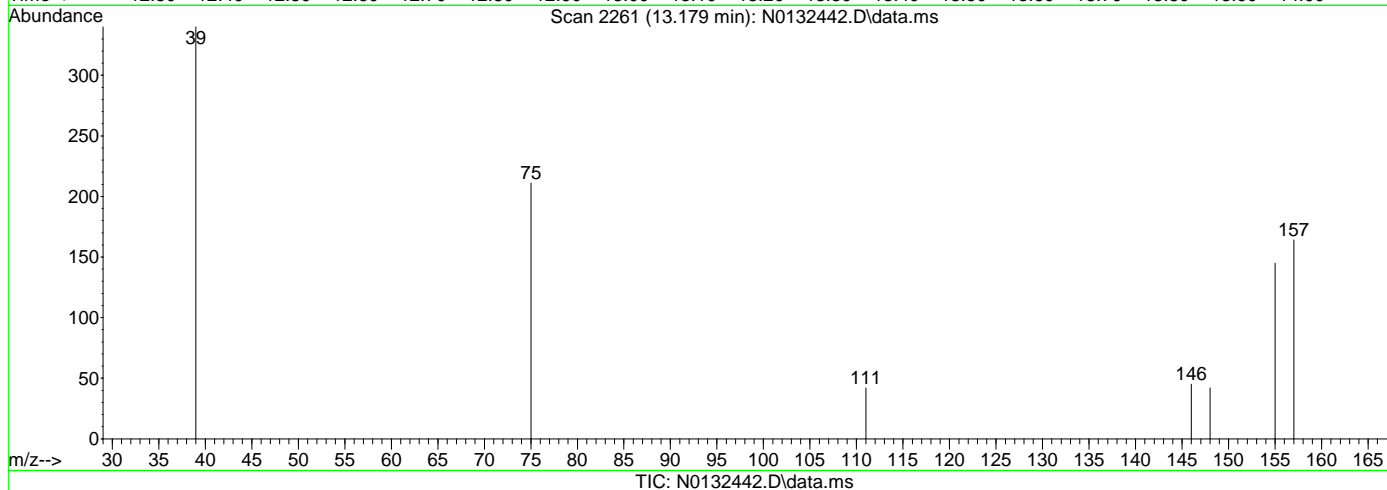
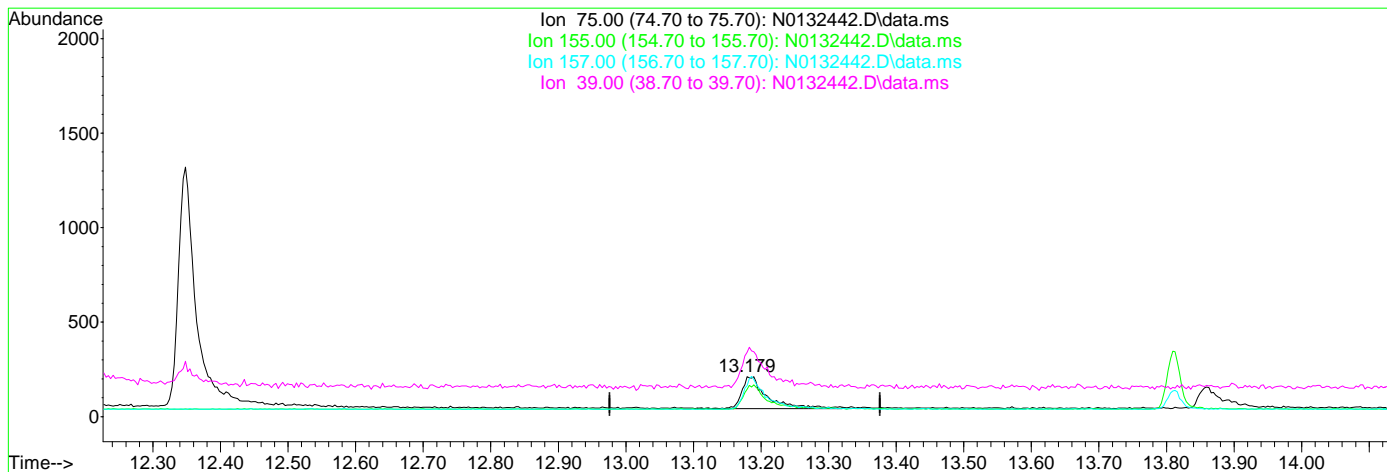
response 0

Ion	Exp%	Act%
75.00	100	0.00
155.00	72.00	0.00#
157.00	87.40	0.00#
39.00	113.50	0.00#

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\09-04-24\
 Data File : N0132442.D
 Acq On : 4 Sep 2024 3:05 pm
 Operator : jeniferw
 Sample : FC18326-23MSD
 Misc : MS57416,VN6714,,,,,5
 ALS Vial : 22 Sample Multiplier: 1

Quant Time: Sep 05 05:56:29 2024
 Quant Method : C:\msdchem\1\methods\SIMCL_VN6705_082024.M
 Quant Title : Standard Methods 6200B
 QLast Update : Tue Aug 20 14:01:28 2024
 Response via : Initial Calibration



(23) 1,2-Dibromo-3-Chloropropane

13.179min (+0.003) 2.53ug/L m

response 451

Ion	Exp%	Act%
75.00	100	100
155.00	72.00	68.72
157.00	87.40	77.73
39.00	113.50	161.14#

7.4.8.3
7

Methods: SW-846 8260B

Data File : C:\msdchem\1\data\08-20-24\N0132197.D

Vial: 1

Acq On : 20 Aug 2024 9:04 am

Operator: jeniferw

Sample : BFB

Inst : MSVOA6-N

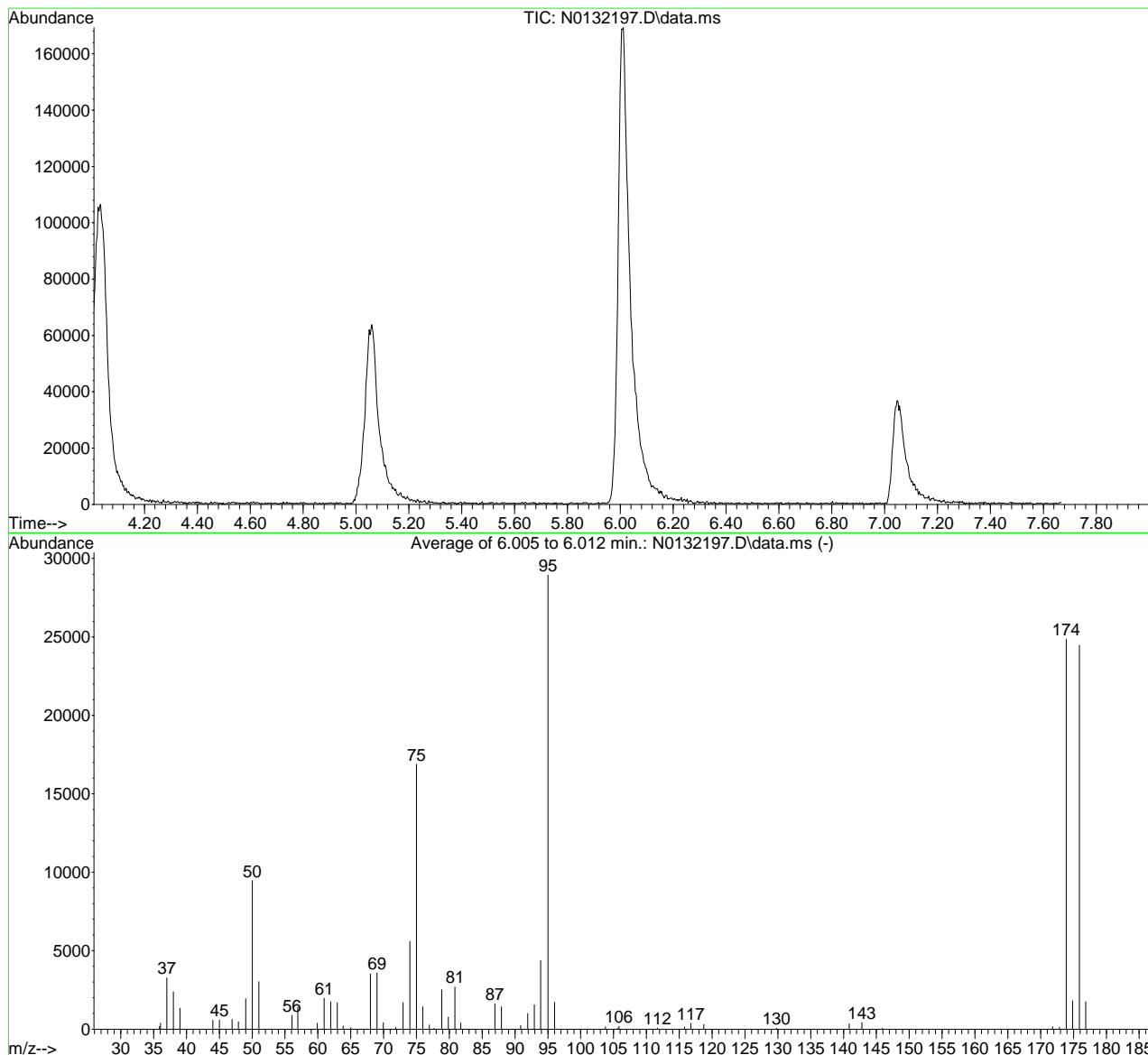
Misc : MS57274,VN6705,,,,,

Multiplr: 1.00

MS Integration Params: rteint.p

Method : C:\msdchem\1\met..._VN6705_082024.M (RTE Integrator)

Title : Standard Methods 6200B



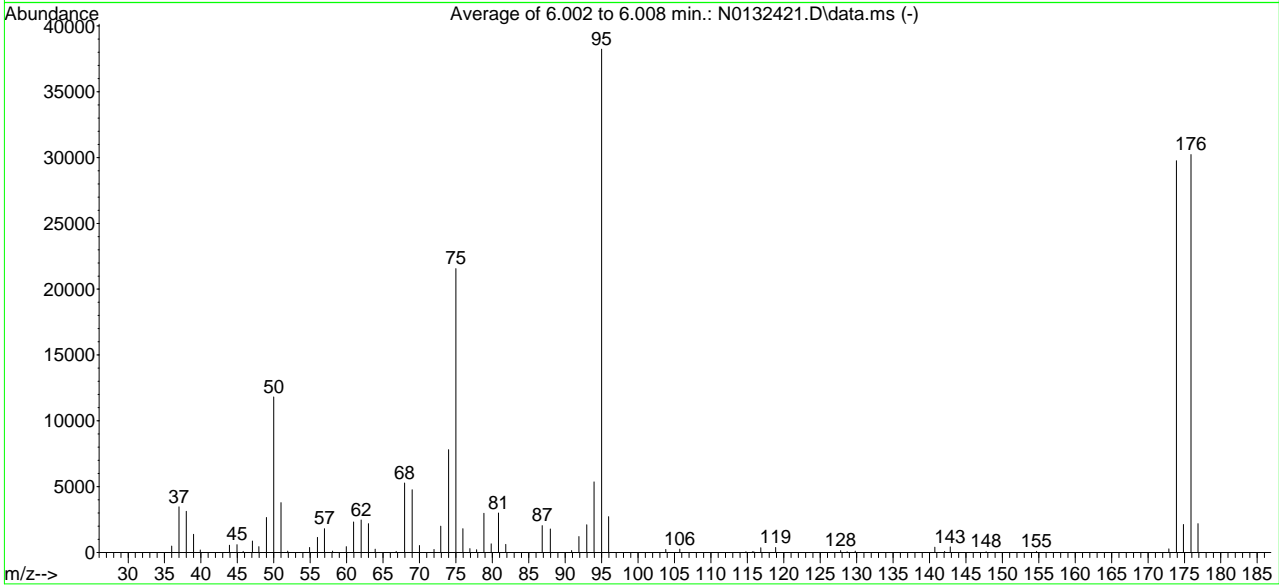
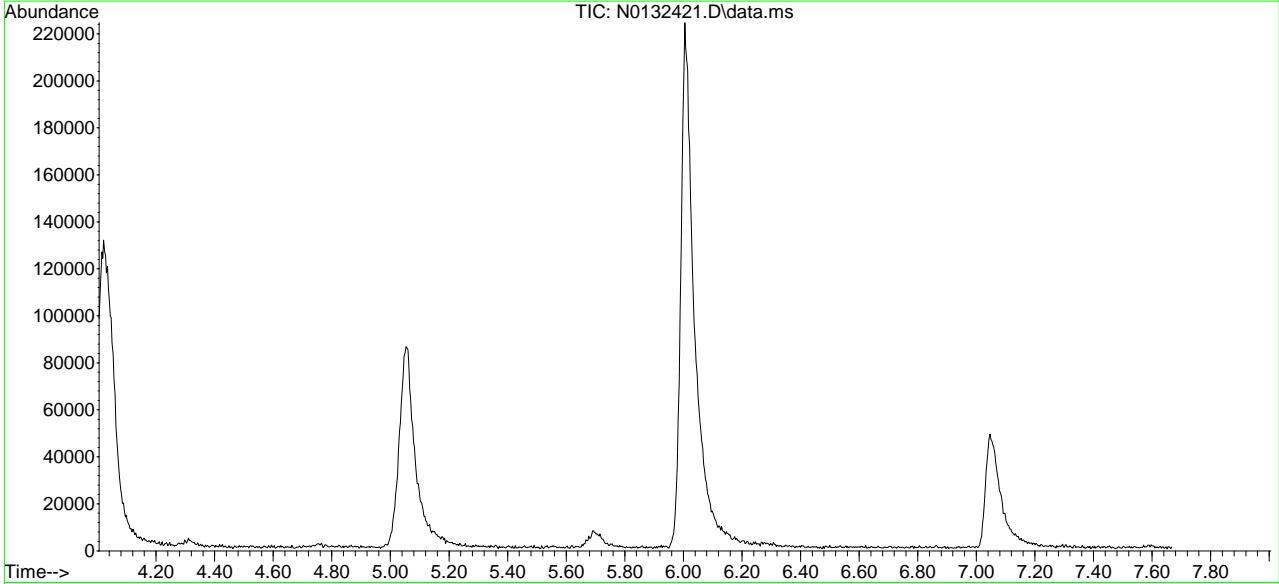
AutoFind: Scans 721, 722, 723; Background Corrected with Scan 702

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
95	95	100	100	100.0	28939	PASS
96	95	5	9	5.9	1718	PASS
173	174	0.00	2	0.5	120	PASS
174	95	50	200	85.9	24867	PASS
175	174	5	9	7.3	1811	PASS
176	174	95	105	98.4	24459	PASS
177	176	5	10	7.1	1743	PASS

Methods: SW-846 8260B

Data File : C:\msdchem\1\data\09-04-24\N0132421.D Vial: 1
 Acq On : 4 Sep 2024 6:43 am Operator: jeniferw
 Sample : BFB Inst : MSVOA6-N
 Misc : MS57404,VN6714,,,,, Multiplr: 1.00
 MS Integration Params: rteint.p

Method : C:\msdchem\1\met..._VN6705_082024.M (RTE Integrator)
 Title : Standard Methods 6200B



AutoFind: Scans 720, 721, 722; Background Corrected with Scan 702

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
95	95	100	100	100.0	38235	PASS
96	95	5	9	7.1	2714	PASS
173	174	0.00	2	0.9	267	PASS
174	95	50	200	77.9	29768	PASS
175	174	5	9	7.1	2117	PASS
176	174	95	105	101.5	30227	PASS
177	176	5	10	7.2	2185	PASS



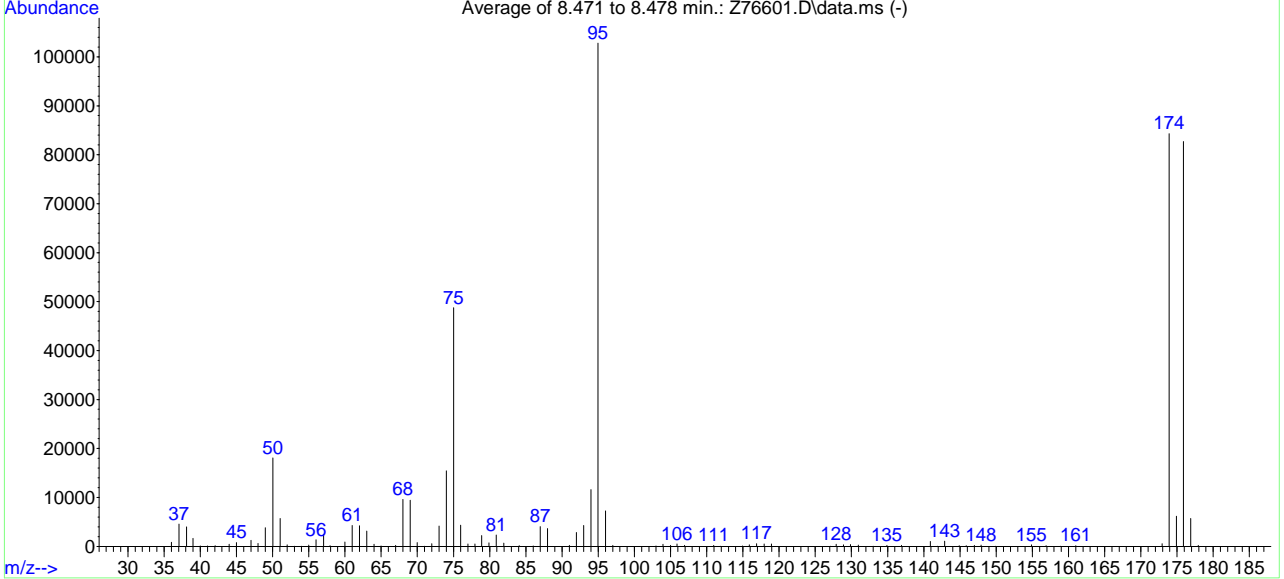
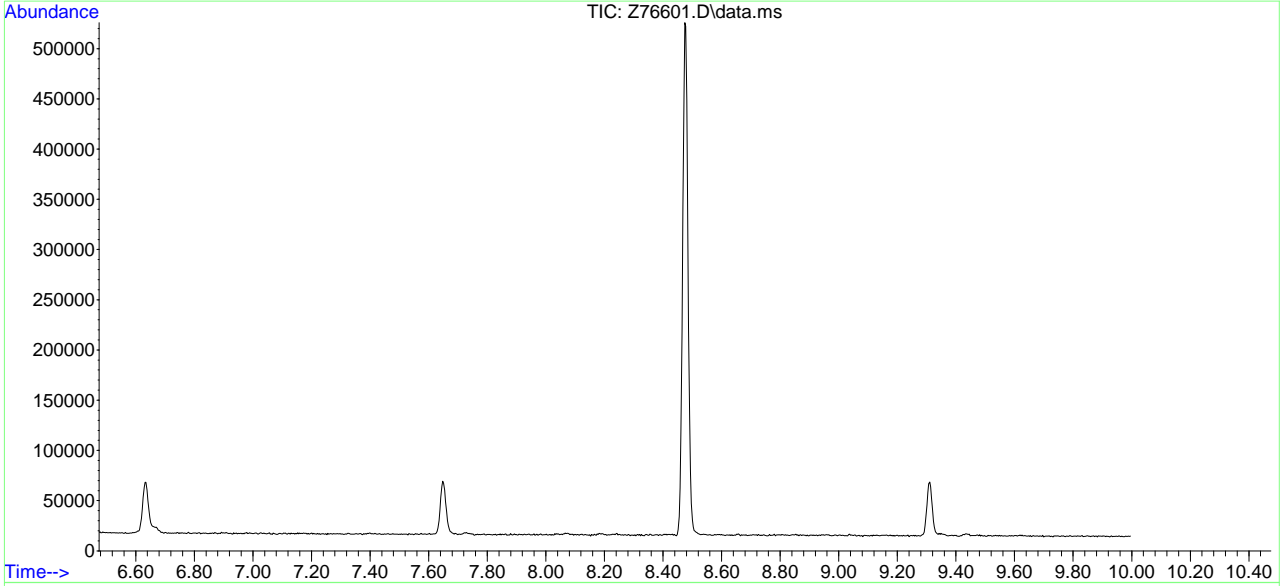
7.5.2
7

Methods: SW-846 8260B

Data File : C:\msdchem\1\data\082824\Z76601.D
 Acq On : 28 Aug 2024 7:36 am
 Sample : bfb
 Misc : MS57344,VZ3084,,,,,
 MS Integration Params: micro.p

Vial: 1
 Operator: claudias
 Inst : MSVOA15-Z
 Multiplr: 1.00

Method : C:\msdchem\1\met...MCL-08-28-2024.M (RTE Integrator)
 Title : Standard Methods 6200B



AutoFind: Scans 1488, 1489, 1490; Background Corrected with Scan 1477

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
95	95	100	100	100.0	102783	PASS
96	95	5	9	7.1	7256	PASS
173	174	0.00	2	0.6	537	PASS
174	95	50	200	82.0	84304	PASS
175	174	5	9	7.3	6173	PASS
176	174	95	105	98.1	82709	PASS
177	176	5	10	6.9	5685	PASS



Methods: SW-846 8260B

Data File : C:\msdchem\1\data\083024\Z76668.D

Vial: 1

Acq On : 30 Aug 2024 7:03 am

Operator: claudias

Sample : bfb

Inst : MSVOA15-Z

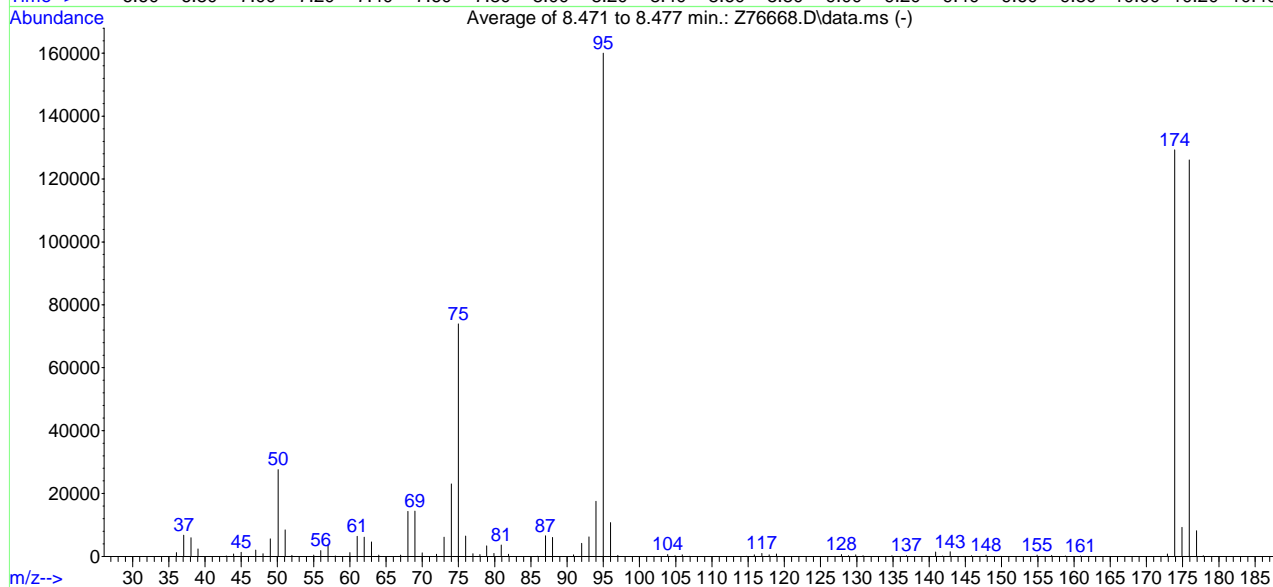
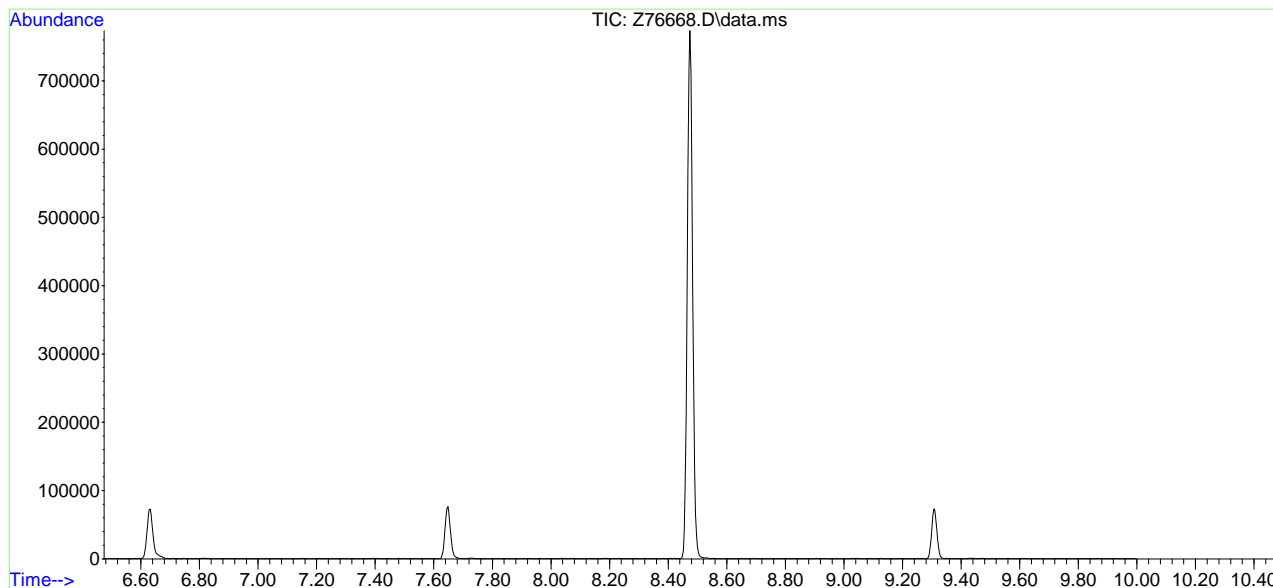
Misc : MS57383,VZ3087,,,,,

Multiplr: 1.00

MS Integration Params: micro.p

Method : C:\msdchem\1\met...MCL-08-28-2024.M (RTE Integrator)

Title : Standard Methods 6200B



AutoFind: Scans 1488, 1489, 1490; Background Corrected with Scan 1477

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
95	95	100	100	100.0	160021	PASS
96	95	5	9	6.7	10710	PASS
173	174	0.00	2	0.6	789	PASS
174	95	50	200	80.8	129256	PASS
175	174	5	9	7.1	9198	PASS
176	174	95	105	97.5	126083	PASS
177	176	5	10	6.5	8202	PASS



7.5.4
7

Methods: SW-846 8260B

Data File : C:\msdchem\1\data\090324\Z76696.D

Vial: 1

Acq On : 3 Sep 2024 7:02 am

Operator: claudias

Sample : bfb

Inst : MSVOA15-Z

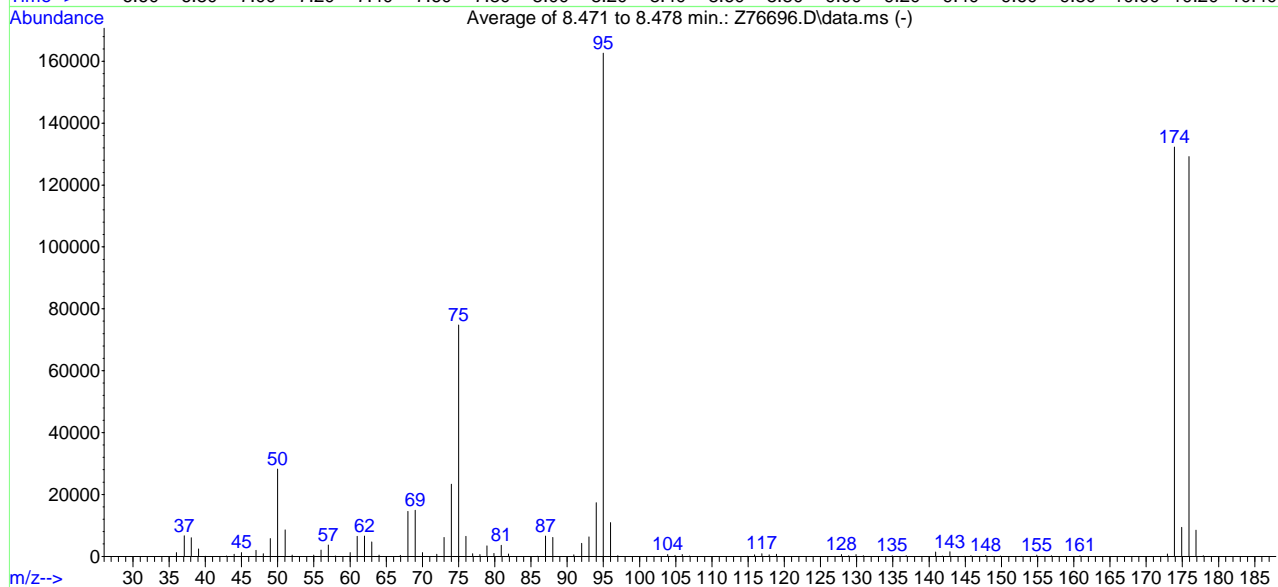
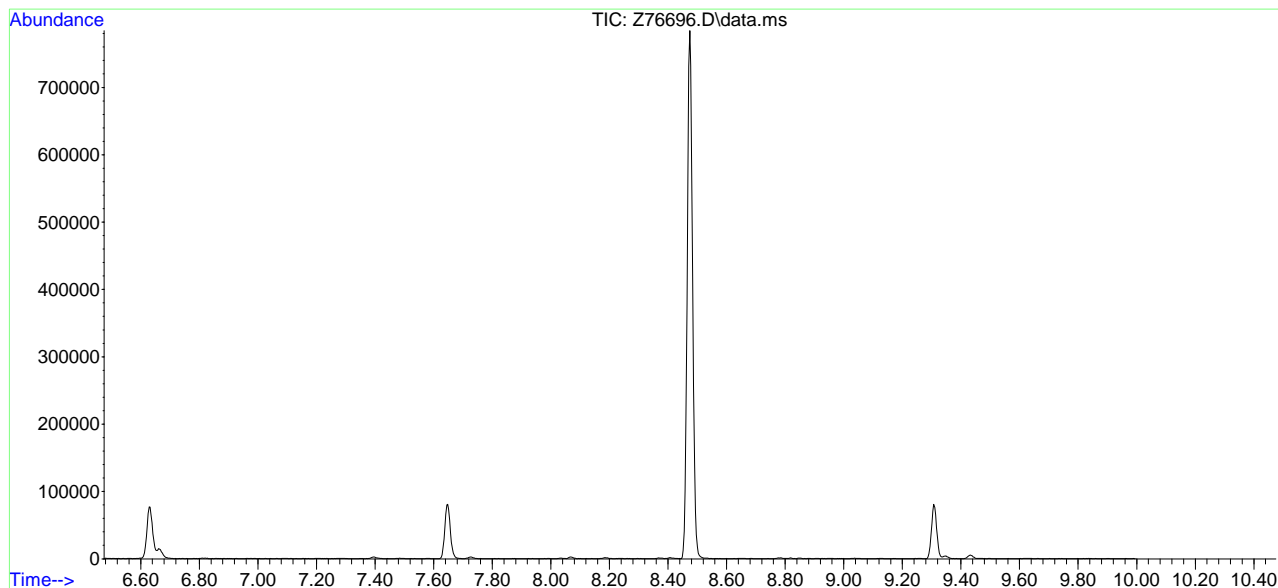
Misc : MS57383,VZ3088,,,,,

Multiplr: 1.00

MS Integration Params: micro.p

Method : C:\msdchem\1\met...MCL-08-28-2024.M (RTE Integrator)

Title : Standard Methods 6200B



AutoFind: Scans 1488, 1489, 1490; Background Corrected with Scan 1477

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
95	95	100	100	100.0	162603	PASS
96	95	5	9	6.7	10903	PASS
173	174	0.00	2	0.6	747	PASS
174	95	50	200	81.4	132331	PASS
175	174	5	9	7.1	9411	PASS
176	174	95	105	97.7	129253	PASS
177	176	5	10	6.6	8516	PASS

7.5.5
7

Methods: SW-846 8260B

Data File : C:\msdchem\1\data\090424\Z76724.D

Vial: 1

Acq On : 4 Sep 2024 6:49 am

Operator: claudias

Sample : BFB

Inst : MSVOA15-Z

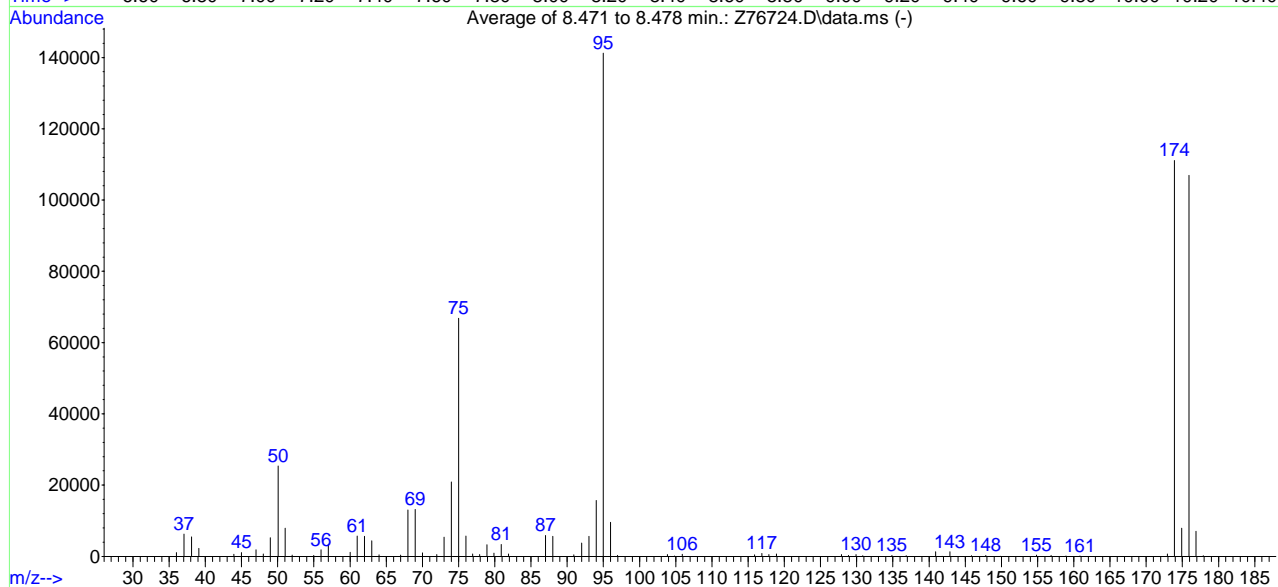
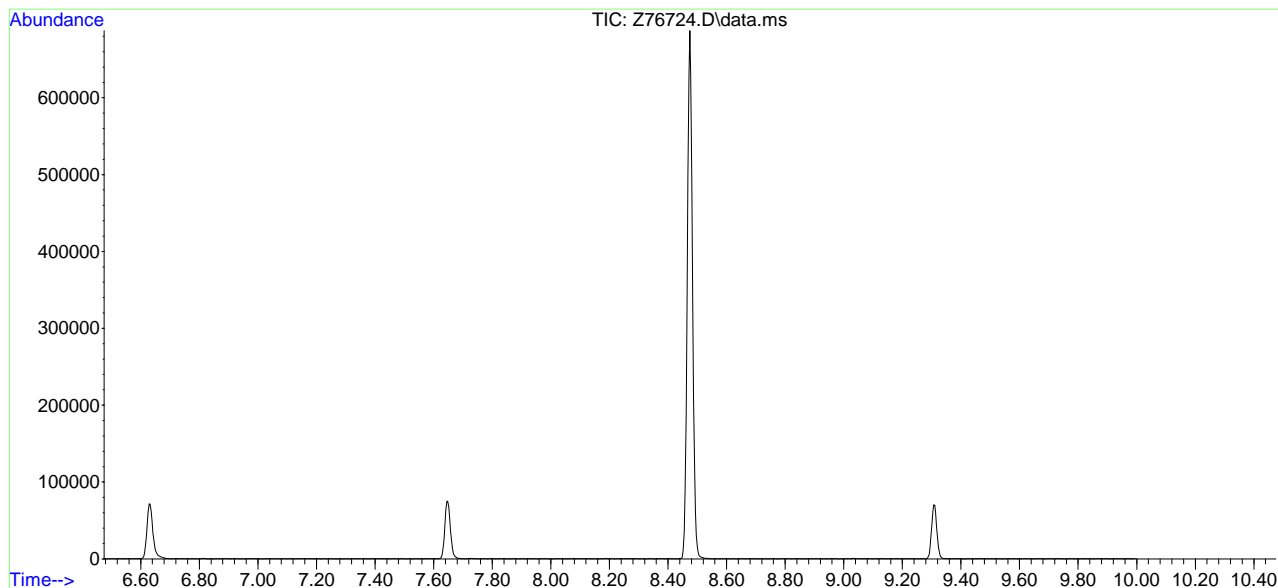
Misc : MS57405,VZ3089,,,,,

Multiplr: 1.00

MS Integration Params: micro.p

Method : C:\msdchem\1\met...MCL-08-28-2024.M (RTE Integrator)

Title : Standard Methods 6200B



AutoFind: Scans 1488, 1489, 1490; Background Corrected with Scan 1477

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
95	95	100	100	100.0	141205	PASS
96	95	5	9	6.8	9537	PASS
173	174	0.00	2	0.6	652	PASS
174	95	50	200	78.7	111064	PASS
175	174	5	9	7.1	7903	PASS
176	174	95	105	96.3	106971	PASS
177	176	5	10	6.6	7010	PASS



7.5.6
7

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\08-20-24\
 Data File : N0132200.D
 Acq On : 20 Aug 2024 10:17 am
 Operator : jeniferw
 Sample : IC6705-3
 Misc : MS57318,VN6705,,,,,
 ALS Vial : 4 Sample Multiplier: 1

Quant Time: Aug 20 11:00:35 2024
 Quant Method : C:\msdchem\1\methods\SIMCL_VN6705_082024.M
 Quant Title : Standard Methods 6200B
 QLast Update : Wed May 22 11:09:52 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	

Internal Standards							
1) Fluorobenzene	6.341	96	46182	5.00	ug/L	0.00	
18) Chlorobenzene-d5	9.519	117	30522	5.00	ug/L	0.00	
System Monitoring Compounds							
13) 1,2-Dichloroethane-d4	6.045	65	21421	6.43	ug/L	0.00	
Spiked Amount	5.000	Range 74 - 125	Recovery	=	128.60%#		
19) Toluene-d8	7.951	98	33133	5.47	ug/L	0.00	
Spiked Amount	5.000	Range 88 - 111	Recovery	=	109.40%		
Target Compounds							
							Qvalue
2) Vinyl Chloride	2.065	62	2279	1.70	ug/L		96
3) Chloromethane	1.982	50	3557	2.28	ug/L		99
4) 1,1-Dichloroethene	3.152	61	2696	1.52	ug/L		89
5) Methylene Chloride	3.718	49	5181	2.31	ug/L		81
6) trans-1,2-Dichloroethene	3.888	61	2171	1.34	ug/L		83
7) 1,1-Dichloroethane	4.492	63	3108	1.41	ug/L		98
8) cis-1,2-Dichloroethene	5.047	96	1281	1.02	ug/L #		79
9) Chloroform	5.303	83	3640	1.37	ug/L		92
10) Carbon Tetrachloride	5.473	117	1305	1.04	ug/L		97
11) 1,1,1-Trichloroethane	5.527	97	1917	1.00	ug/L		89
12) Benzene	5.923	78	4760	1.25	ug/L		93
14) 1,2-Dichloroethane	6.125	62	2409	1.35	ug/L		90
15) Trichloroethene	6.543	95	1301	1.02	ug/L		93
16) 1,2-Dichloropropane	7.052	63	1534	1.40	ug/L		91
17) cis-1,3-Dichloropropene	7.785	75	1038	0.98	ug/L		86
20) trans-1,3-Dichloropropene	8.462	75	856	0.86	ug/L #		71
21) Tetrachloroethene	8.418	166	1339	0.95	ug/L #		96
22) 1,4-Dichlorobenzene	11.909	146	2846	1.00	ug/L #		73
23) 1,2-Dibromo-3-Chloropr...	13.189	75	271m	1.09	ug/L		

(#) = qualifier out of range (m) = manual integration (+) = signals summed

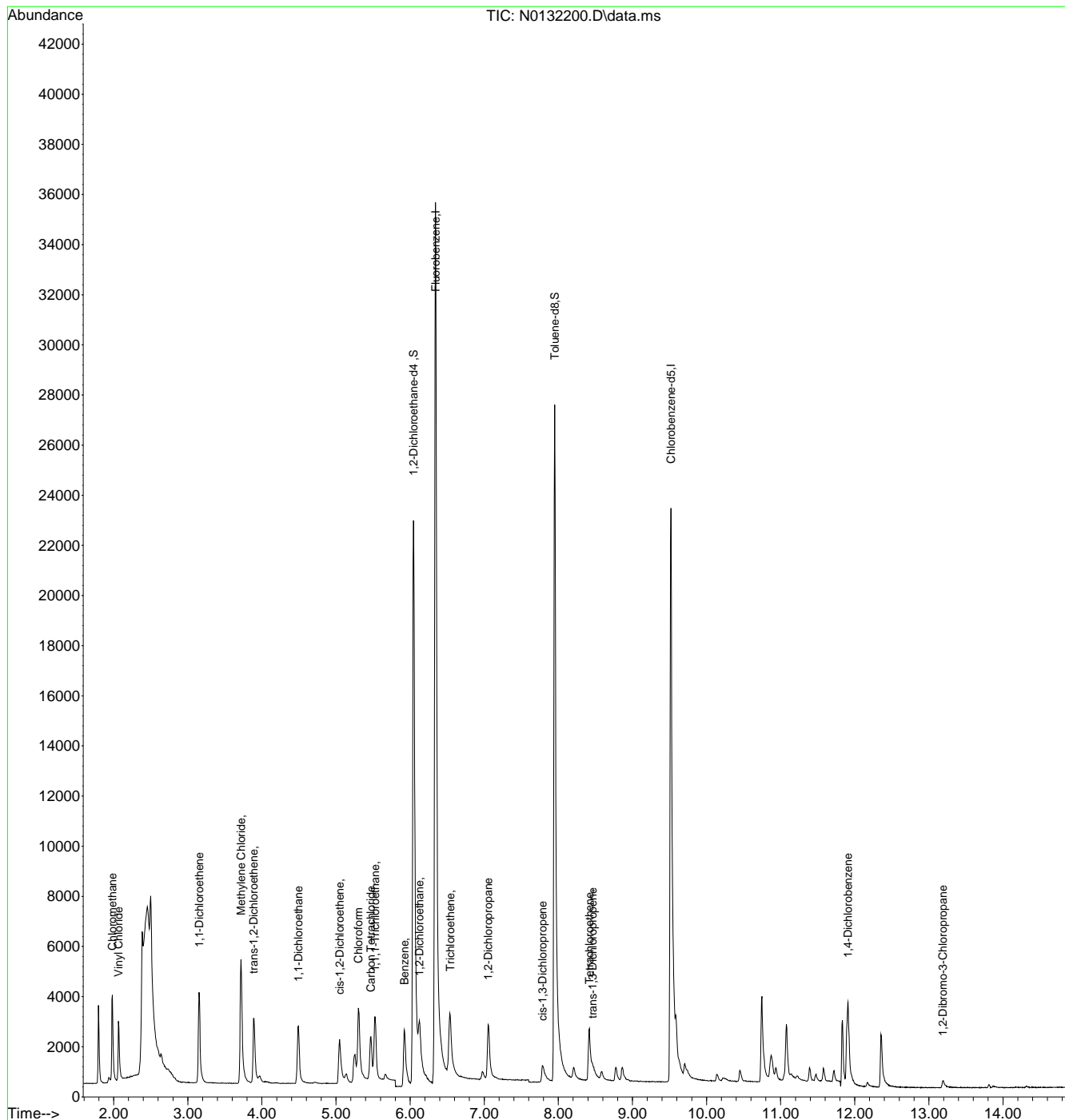


7.6.1
7

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\08-20-24\
 Data File : N0132200.D
 Acq On : 20 Aug 2024 10:17 am
 Operator : jeniferw
 Sample : IC6705-3
 Misc : MS57318,VN6705,,,,,
 ALS Vial : 4 Sample Multiplier: 1

Quant Time: Aug 20 11:00:35 2024
 Quant Method : C:\msdchem\1\methods\SIMCL_VN6705_082024.M
 Quant Title : Standard Methods 6200B
 QLast Update : Wed May 22 11:09:52 2024
 Response via : Initial Calibration

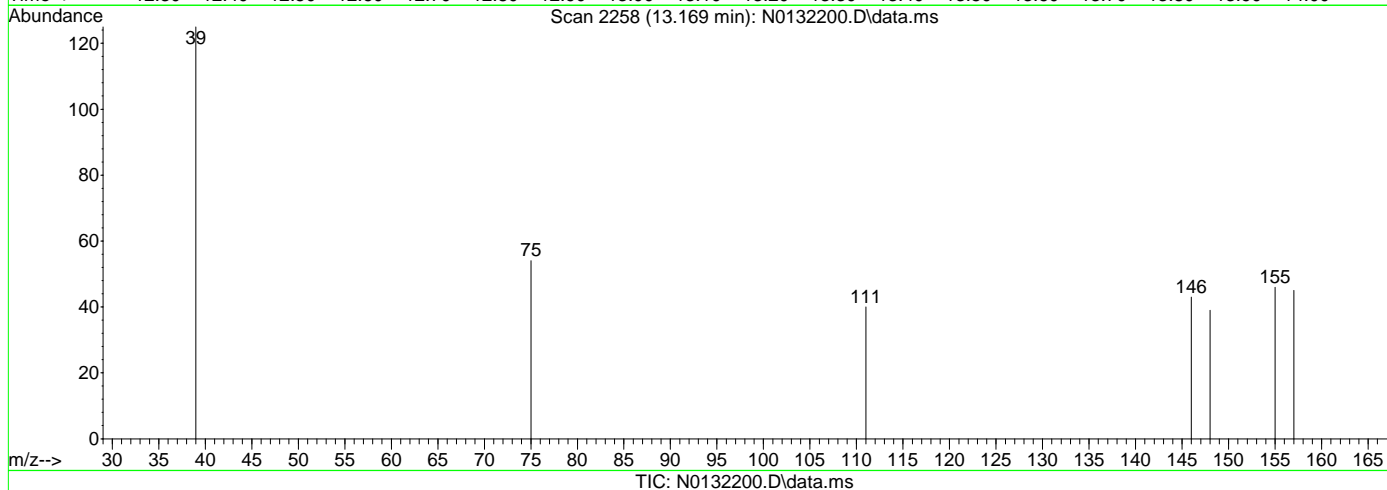
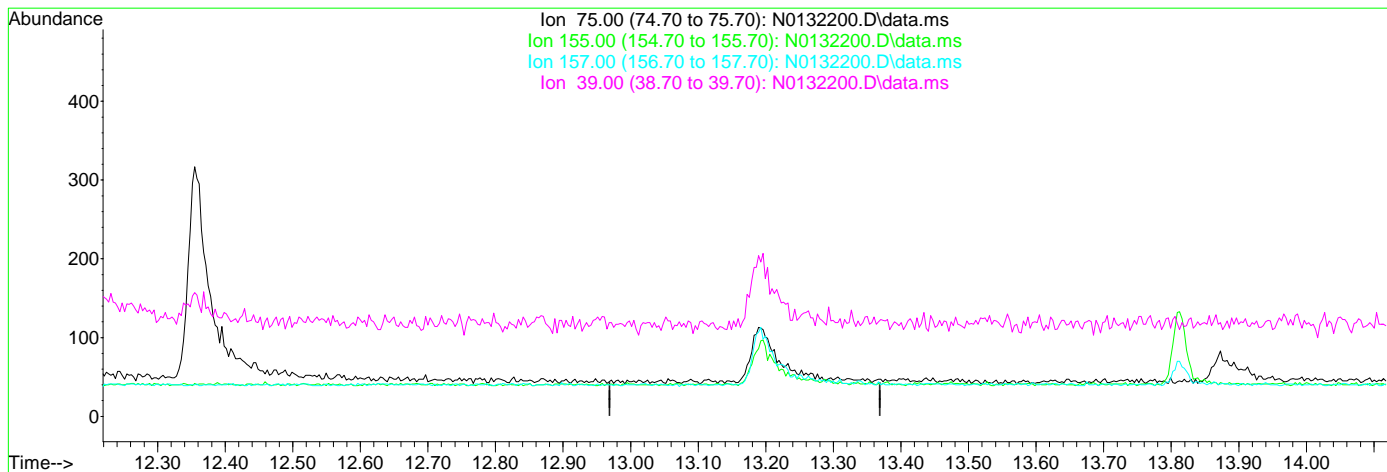


1.9.7
7

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\08-20-24\
 Data File : N0132200.D
 Acq On : 20 Aug 2024 10:17 am
 Operator : jeniferw
 Sample : IC6705-3
 Misc : MS57274,VN6705,,,,,
 ALS Vial : 4 Sample Multiplier: 1

Quant Time: Aug 20 10:44:20 2024
 Quant Method : C:\msdchem\1\methods\SIMCL_VN6705_082024.M
 Quant Title : Standard Methods 6200B
 QLast Update : Wed May 22 11:09:52 2024
 Response via : Initial Calibration



(23) 1,2-Dibromo-3-Chloropropane

13.169min (-13.169) 0.00ug/L

response 0

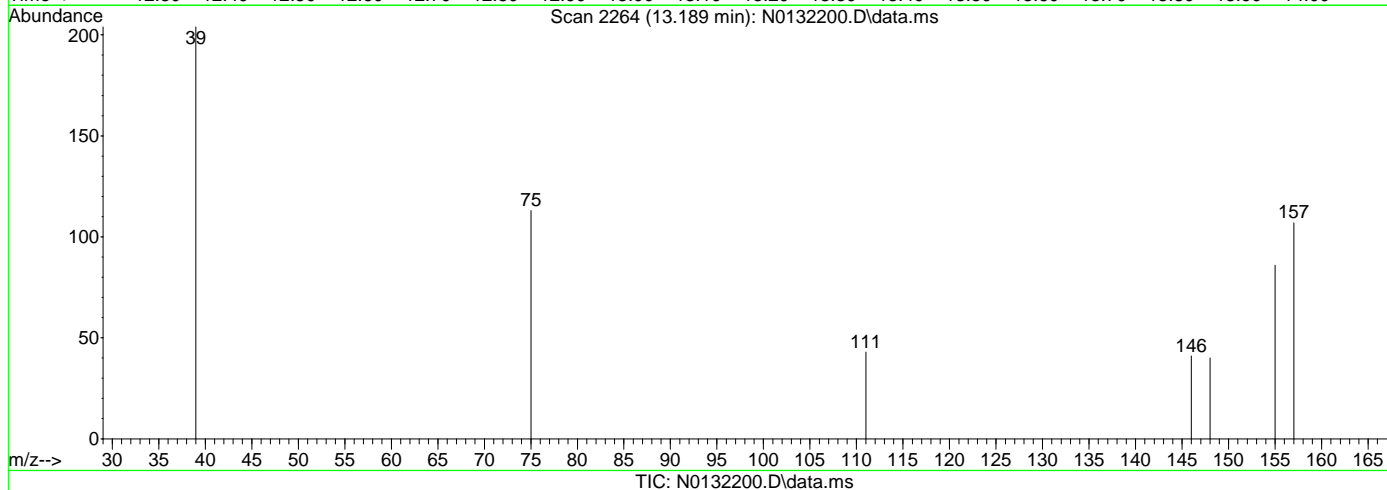
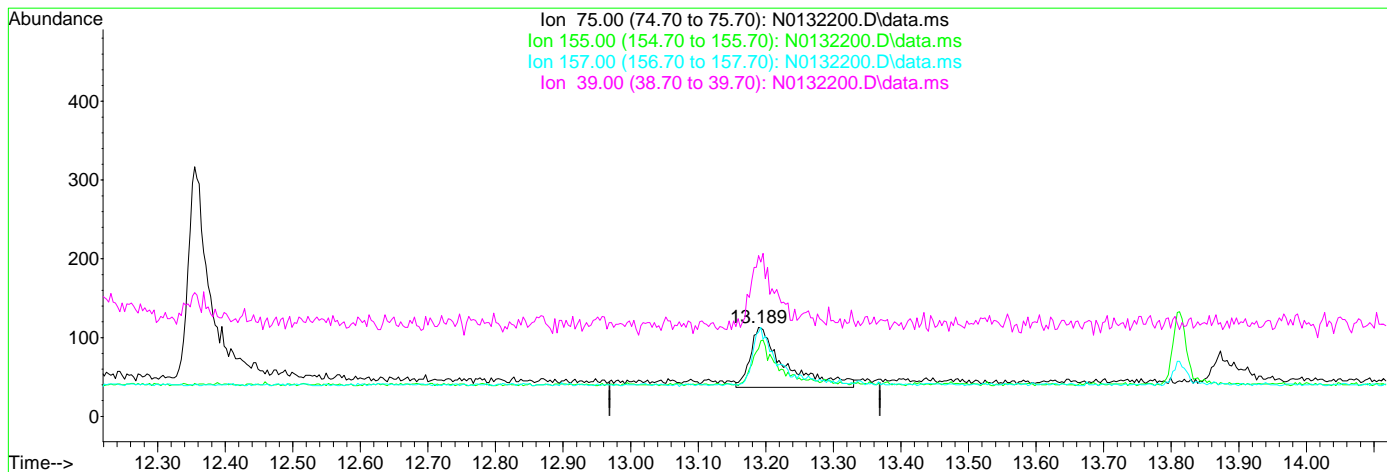
Ion	Exp%	Act%
75.00	100	0.00
155.00	95.00	0.00#
157.00	121.70	0.00#
39.00	85.30	0.00#

7.6.1.1
7

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\08-20-24\
 Data File : N0132200.D
 Acq On : 20 Aug 2024 10:17 am
 Operator : jeniferw
 Sample : IC6705-3
 Misc : MS57274,VN6705,,,,,
 ALS Vial : 4 Sample Multiplier: 1

Quant Time: Aug 20 10:44:20 2024
 Quant Method : C:\msdchem\1\methods\SIMCL_VN6705_082024.M
 Quant Title : Standard Methods 6200B
 QLast Update : Wed May 22 11:09:52 2024
 Response via : Initial Calibration



(23) 1,2-Dibromo-3-Chloropropane

13.189min (+0.020) 1.09ug/L m

response 271

Ion	Exp%	Act%
75.00	100	100
155.00	95.00	76.11
157.00	121.70	94.69
39.00	85.30	180.53#

7.6.1.2
7

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\08-20-24\
 Data File : N0132201.D
 Acq On : 20 Aug 2024 10:41 am
 Operator : jeniferw
 Sample : IC6705-4
 Misc : MS57318,VN6705,,,,,
 ALS Vial : 5 Sample Multiplier: 1

Quant Time: Aug 20 10:59:46 2024
 Quant Method : C:\msdchem\1\methods\SIMCL_VN6705_082024.M
 Quant Title : Standard Methods 6200B
 QLast Update : Wed May 22 11:09:52 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

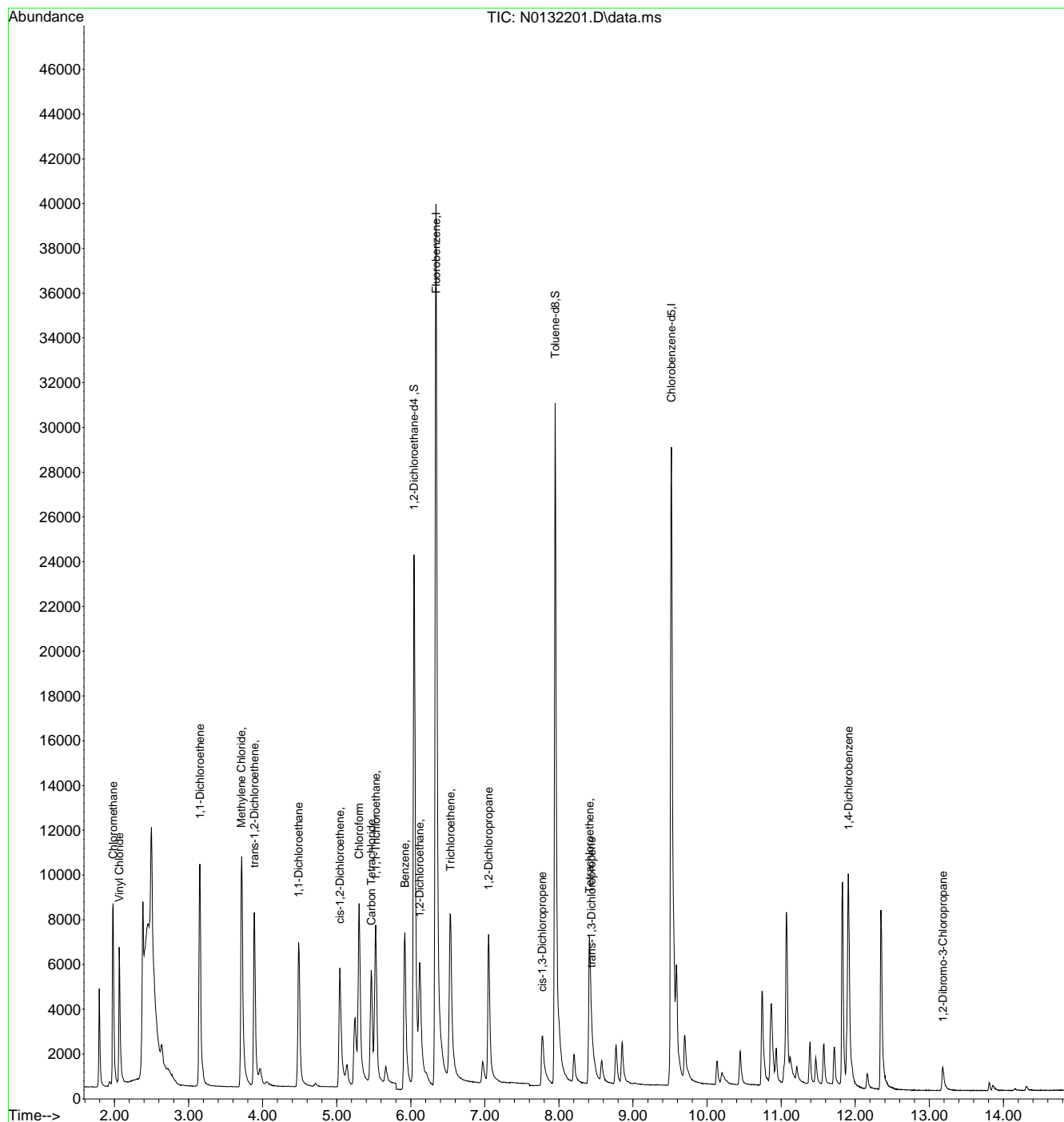
Internal Standards						
1) Fluorobenzene	6.341	96	50648	5.00	ug/L	0.00
18) Chlorobenzene-d5	9.519	117	35540	5.00	ug/L	0.00
System Monitoring Compounds						
13) 1,2-Dichloroethane-d4	6.045	65	22204	6.08	ug/L	0.00
Spiked Amount	5.000	Range 74 - 125	Recovery	=	121.60%	
19) Toluene-d8	7.951	98	35982	5.10	ug/L	0.00
Spiked Amount	5.000	Range 88 - 111	Recovery	=	102.00%	
Target Compounds						
						Qvalue
2) Vinyl Chloride	2.065	62	5841	3.98	ug/L	94
3) Chloromethane	1.982	50	8302	4.86	ug/L	99
4) 1,1-Dichloroethene	3.152	61	7294	3.75	ug/L	91
5) Methylene Chloride	3.712	49	10894	4.43	ug/L	75
6) trans-1,2-Dichloroethene	3.888	61	6014	3.40	ug/L	87
7) 1,1-Dichloroethane	4.487	63	8339	3.45	ug/L	95
8) cis-1,2-Dichloroethene	5.041	96	3496	2.54	ug/L #	77
9) Chloroform	5.303	83	8721	2.99	ug/L	94
10) Carbon Tetrachloride	5.466	117	3737	2.70	ug/L	97
11) 1,1,1-Trichloroethane	5.527	97	5256	2.49	ug/L	89
12) Benzene	5.919	78	13106	3.13	ug/L	90
14) 1,2-Dichloroethane	6.121	62	6527	3.34	ug/L	93
15) Trichloroethene	6.537	95	3617	2.59	ug/L	93
16) 1,2-Dichloropropane	7.053	63	4202	3.49	ug/L	92
17) cis-1,3-Dichloropropene	7.774	75	3251	2.81	ug/L	91
20) trans-1,3-Dichloropropene	8.440	75	3079	2.67	ug/L	89
21) Tetrachloroethene	8.413	166	3763	2.28	ug/L #	96
22) 1,4-Dichlorobenzene	11.909	146	8216	2.47	ug/L	88
23) 1,2-Dibromo-3-Chloropr...	13.183	75	654	2.26	ug/L #	70

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\08-20-24\
 Data File : N0132201.D
 Acq On : 20 Aug 2024 10:41 am
 Operator : jeniferw
 Sample : IC6705-4
 Misc : MS57318,VN6705,,,,,
 ALS Vial : 5 Sample Multiplier: 1

Quant Time: Aug 20 10:59:46 2024
 Quant Method : C:\msdchem\1\methods\SIMCL_VN6705_082024.M
 Quant Title : Standard Methods 6200B
 QLast Update : Wed May 22 11:09:52 2024
 Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\08-20-24\
 Data File : N0132202.D
 Acq On : 20 Aug 2024 11:04 am
 Operator : jeniferw
 Sample : ICC6705-5
 Misc : MS57318,VN6705,,,,,
 ALS Vial : 6 Sample Multiplier: 1

Quant Time: Aug 20 11:20:16 2024
 Quant Method : C:\msdchem\1\methods\SIMCL_VN6705_082024.M
 Quant Title : Standard Methods 6200B
 QLast Update : Wed May 22 11:09:52 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	

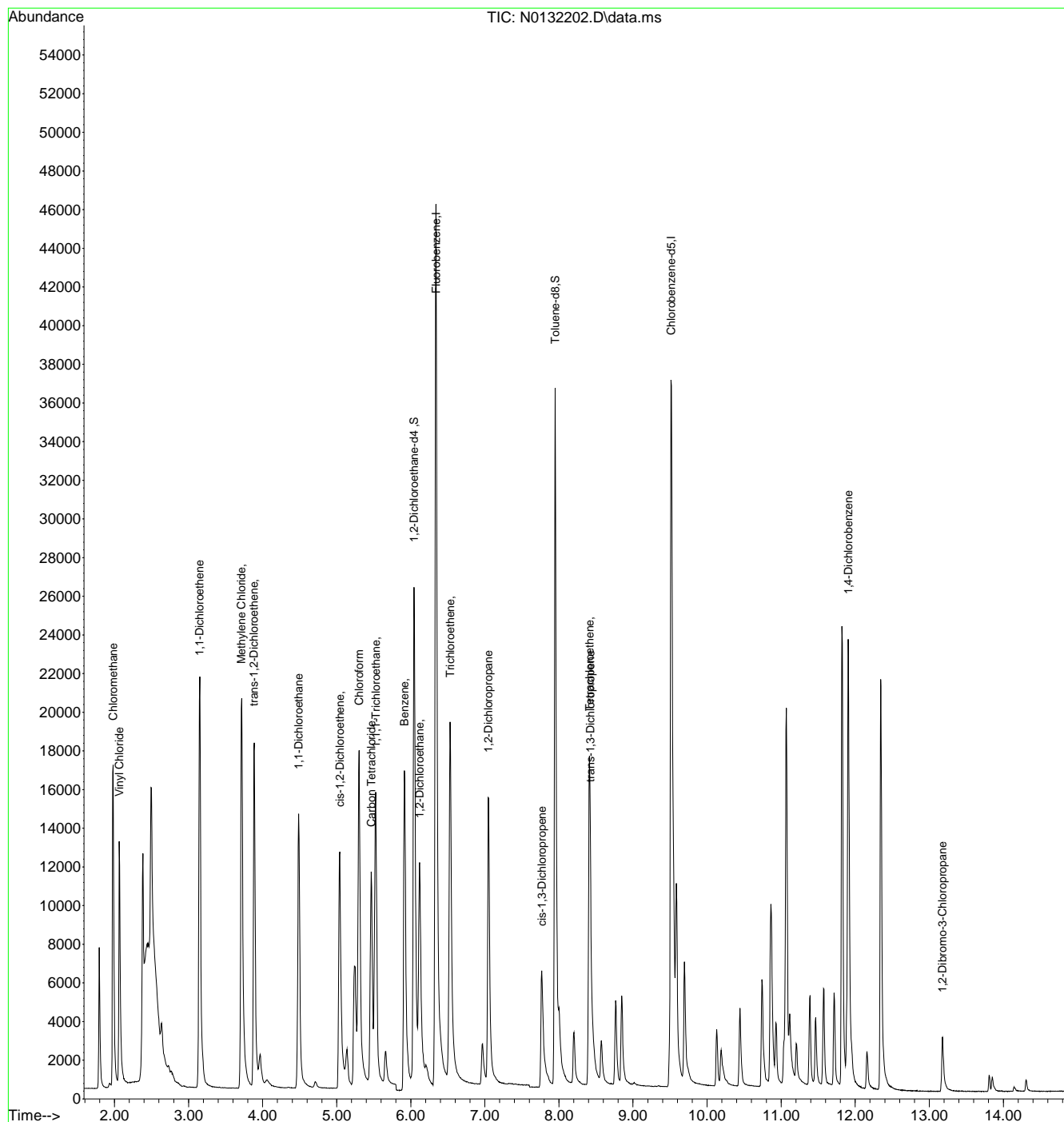
Internal Standards							
1) Fluorobenzene	6.341	96	57601	5.00	ug/L	0.00	
18) Chlorobenzene-d5	9.514	117	36791	5.00	ug/L	0.00	
System Monitoring Compounds							
13) 1,2-Dichloroethane-d4	6.045	65	24119	5.81	ug/L	0.00	
Spiked Amount	5.000	Range	74 - 125	Recovery	=	116.20%	
19) Toluene-d8	7.951	98	40760	5.58	ug/L	0.00	
Spiked Amount	5.000	Range	88 - 111	Recovery	=	111.60%#	
Target Compounds							
							Qvalue
2) Vinyl Chloride	2.065	62	12559	7.52	ug/L		94
3) Chloromethane	1.982	50	17210	8.86	ug/L		99
4) 1,1-Dichloroethene	3.147	61	15828	7.16	ug/L		85
5) Methylene Chloride	3.712	49	21315	7.62	ug/L		75
6) trans-1,2-Dichloroethene	3.883	61	13357	6.63	ug/L		82
7) 1,1-Dichloroethane	4.487	63	17936	6.52	ug/L		96
8) cis-1,2-Dichloroethene	5.042	96	7655	4.88	ug/L #		81
9) Chloroform	5.303	83	17762	5.35	ug/L		94
10) Carbon Tetrachloride	5.466	117	8068	5.13	ug/L		97
11) 1,1,1-Trichloroethane	5.527	97	11455	4.78	ug/L		92
12) Benzene	5.915	78	28737	6.04	ug/L		90
14) 1,2-Dichloroethane	6.121	62	14104	6.35	ug/L		93
15) Trichloroethene	6.531	95	8092	5.10	ug/L		88
16) 1,2-Dichloropropane	7.047	63	9164	6.70	ug/L		93
17) cis-1,3-Dichloropropene	7.769	75	7699	5.84	ug/L		91
20) trans-1,3-Dichloropropene	8.424	75	7735	6.47	ug/L		89
21) Tetrachloroethene	8.413	166	8026	4.71	ug/L #		98
22) 1,4-Dichlorobenzene	11.906	146	18712	5.44	ug/L		91
23) 1,2-Dibromo-3-Chloropr...	13.176	75	1582	5.29	ug/L #		72

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\08-20-24\
Data File : N0132202.D
Acq On : 20 Aug 2024 11:04 am
Operator : jeniferw
Sample : ICC6705-5
Misc : MS57318,VN6705,,,,,
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Aug 20 11:20:16 2024
Quant Method : C:\msdchem\1\methods\SIMCL_VN6705_082024.M
Quant Title : Standard Methods 6200B
QLast Update : Wed May 22 11:09:52 2024
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\08-20-24\
 Data File : N0132203.D
 Acq On : 20 Aug 2024 11:28 am
 Operator : jeniferw
 Sample : IC6705-6
 Misc : MS57318,VN6705,,,,,
 ALS Vial : 7 Sample Multiplier: 1

Quant Time: Aug 20 11:51:08 2024
 Quant Method : C:\msdchem\1\methods\SIMCL_VN6705_082024.M
 Quant Title : Standard Methods 6200B
 QLast Update : Wed May 22 11:09:52 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	

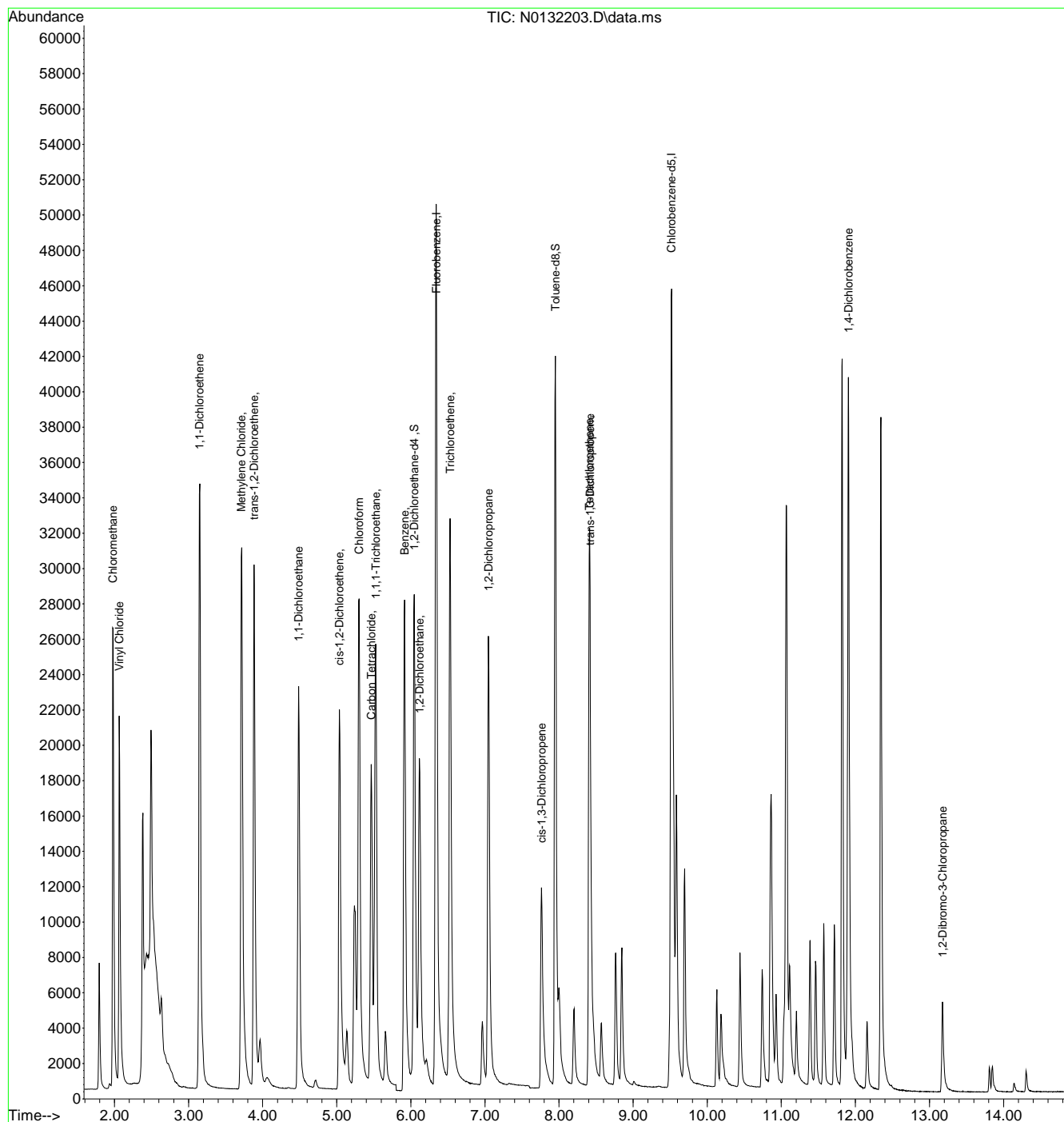
Internal Standards							
1) Fluorobenzene	6.341	96	62820	5.00	ug/L	0.00	
18) Chlorobenzene-d5	9.514	117	41500	5.00	ug/L	0.00	
System Monitoring Compounds							
13) 1,2-Dichloroethane-d4	6.045	65	26036	5.75	ug/L	0.00	
Spiked Amount	5.000	Range 74 - 125	Recovery	=	115.00%		
19) Toluene-d8	7.951	98	45907	5.57	ug/L	0.00	
Spiked Amount	5.000	Range 88 - 111	Recovery	=	111.40%#		
Target Compounds							
							Qvalue
2) Vinyl Chloride	2.065	62	20844	11.45	ug/L		94
3) Chloromethane	1.977	50	27127	12.80	ug/L		99
4) 1,1-Dichloroethene	3.147	61	25712	10.66	ug/L		86
5) Methylene Chloride	3.712	49	32479	10.65	ug/L		76
6) trans-1,2-Dichloroethene	3.883	61	21918	9.98	ug/L		84
7) 1,1-Dichloroethane	4.487	63	28686	9.56	ug/L		98
8) cis-1,2-Dichloroethene	5.036	96	12700	7.43	ug/L #		75
9) Chloroform	5.303	83	28040	7.75	ug/L		96
10) Carbon Tetrachloride	5.466	117	13283	7.75	ug/L		96
11) 1,1,1-Trichloroethane	5.527	97	18815	7.20	ug/L		91
12) Benzene	5.915	78	46884	9.04	ug/L		92
14) 1,2-Dichloroethane	6.116	62	22194	9.17	ug/L		93
15) Trichloroethene	6.531	95	13449	7.77	ug/L		90
16) 1,2-Dichloropropane	7.047	63	14788	9.92	ug/L		93
17) cis-1,3-Dichloropropene	7.764	75	13326	9.28	ug/L		90
20) trans-1,3-Dichloropropene	8.418	75	13780	10.23	ug/L		89
21) Tetrachloroethene	8.407	166	13210	6.87	ug/L #		98
22) 1,4-Dichlorobenzene	11.906	146	30877	7.96	ug/L		93
23) 1,2-Dibromo-3-Chloropr...	13.176	75	2628	7.79	ug/L		77

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\08-20-24\
Data File : N0132203.D
Acq On : 20 Aug 2024 11:28 am
Operator : jeniferw
Sample : IC6705-6
Misc : MS57318,VN6705,,,,,
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Aug 20 11:51:08 2024
Quant Method : C:\msdchem\1\methods\SIMCL_VN6705_082024.M
Quant Title : Standard Methods 6200B
QLast Update : Wed May 22 11:09:52 2024
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\08-20-24\
 Data File : N0132204.D
 Acq On : 20 Aug 2024 11:51 am
 Operator : jeniferw
 Sample : IC6705-7
 Misc : MS57318,VN6705,,,,,
 ALS Vial : 8 Sample Multiplier: 1

Quant Time: Aug 20 12:07:12 2024
 Quant Method : C:\msdchem\1\methods\SIMCL_VN6705_082024.M
 Quant Title : Standard Methods 6200B
 QLast Update : Tue Aug 20 11:59:16 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	

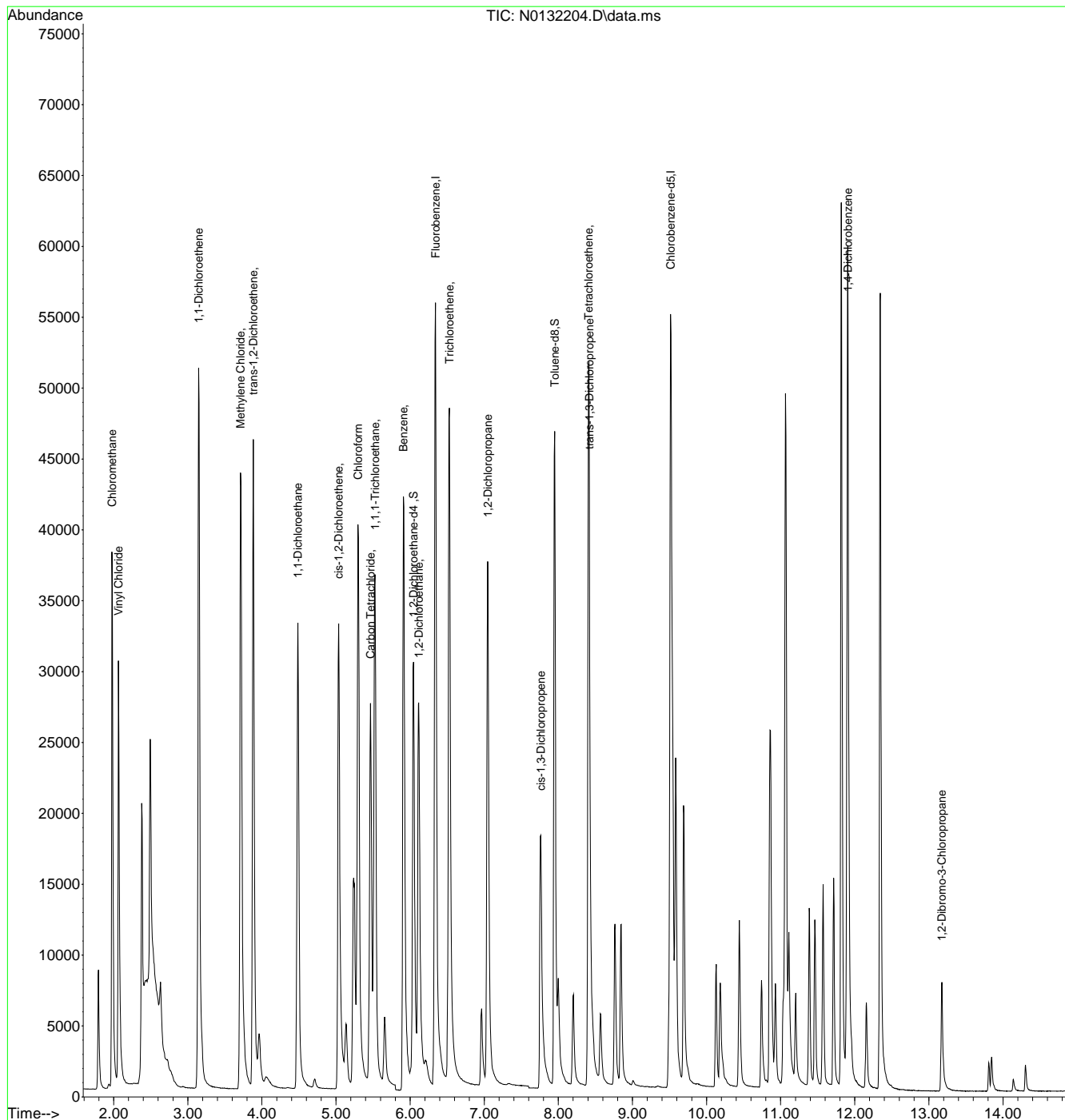
Internal Standards							
1) Fluorobenzene	6.341	96	69391	5.00	ug/L	0.00	
18) Chlorobenzene-d5	9.514	117	46307	5.00	ug/L	0.00	
System Monitoring Compounds							
13) 1,2-Dichloroethane-d4	6.045	65	27853	4.48	ug/L	0.00	
Spiked Amount	5.000	Range 74 - 125	Recovery	=	89.60%		
19) Toluene-d8	7.951	98	50729	4.98	ug/L	0.00	
Spiked Amount	5.000	Range 88 - 111	Recovery	=	99.60%		
Target Compounds							
							Qvalue
2) Vinyl Chloride	2.065	62	29031	14.67	ug/L		99
3) Chloromethane	1.977	50	37619	13.89	ug/L		97
4) 1,1-Dichloroethene	3.147	61	37603	17.34	ug/L		96
5) Methylene Chloride	3.712	49	45706	15.45	ug/L		96
6) trans-1,2-Dichloroethene	3.883	61	32274	17.55	ug/L		96
7) 1,1-Dichloroethane	4.487	63	41444	16.53	ug/L		98
8) cis-1,2-Dichloroethene	5.036	96	18767	17.98	ug/L		98
9) Chloroform	5.296	83	40115	13.76	ug/L		96
10) Carbon Tetrachloride	5.466	117	19636	18.02	ug/L		99
11) 1,1,1-Trichloroethane	5.527	97	27467	17.28	ug/L		99
12) Benzene	5.910	78	69333	17.40	ug/L		100
14) 1,2-Dichloroethane	6.116	62	31799	17.96	ug/L		99
15) Trichloroethene	6.531	95	19716	17.66	ug/L		96
16) 1,2-Dichloropropane	7.047	63	21581	18.03	ug/L		99
17) cis-1,3-Dichloropropene	7.763	75	20502	22.35	ug/L		99
20) trans-1,3-Dichloropropene	8.418	75	21425	26.00	ug/L		97
21) Tetrachloroethene	8.407	166	19204	16.95	ug/L #		97
22) 1,4-Dichlorobenzene	11.906	146	44673	18.33	ug/L		96
23) 1,2-Dibromo-3-Chloropr...	13.172	75	3812	18.20	ug/L		96

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\08-20-24\
 Data File : N0132204.D
 Acq On : 20 Aug 2024 11:51 am
 Operator : jeniferw
 Sample : IC6705-7
 Misc : MS57318,VN6705,,,,,
 ALS Vial : 8 Sample Multiplier: 1

Quant Time: Aug 20 12:07:12 2024
 Quant Method : C:\msdchem\1\methods\SIMCL_VN6705_082024.M
 Quant Title : Standard Methods 6200B
 QLast Update : Tue Aug 20 11:59:16 2024
 Response via : Initial Calibration



7.6.5
7



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\08-20-24\
 Data File : N0132207.D
 Acq On : 20 Aug 2024 1:05 pm
 Operator : jeniferw
 Sample : IC6705-1
 Misc : MS57318,VN6705,,,,,
 ALS Vial : 11 Sample Multiplier: 1

Quant Time: Aug 20 13:21:18 2024
 Quant Method : C:\msdchem\1\methods\SIMCL_VN6705_082024.M
 Quant Title : Standard Methods 6200B
 QLast Update : Tue Aug 20 12:28:26 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

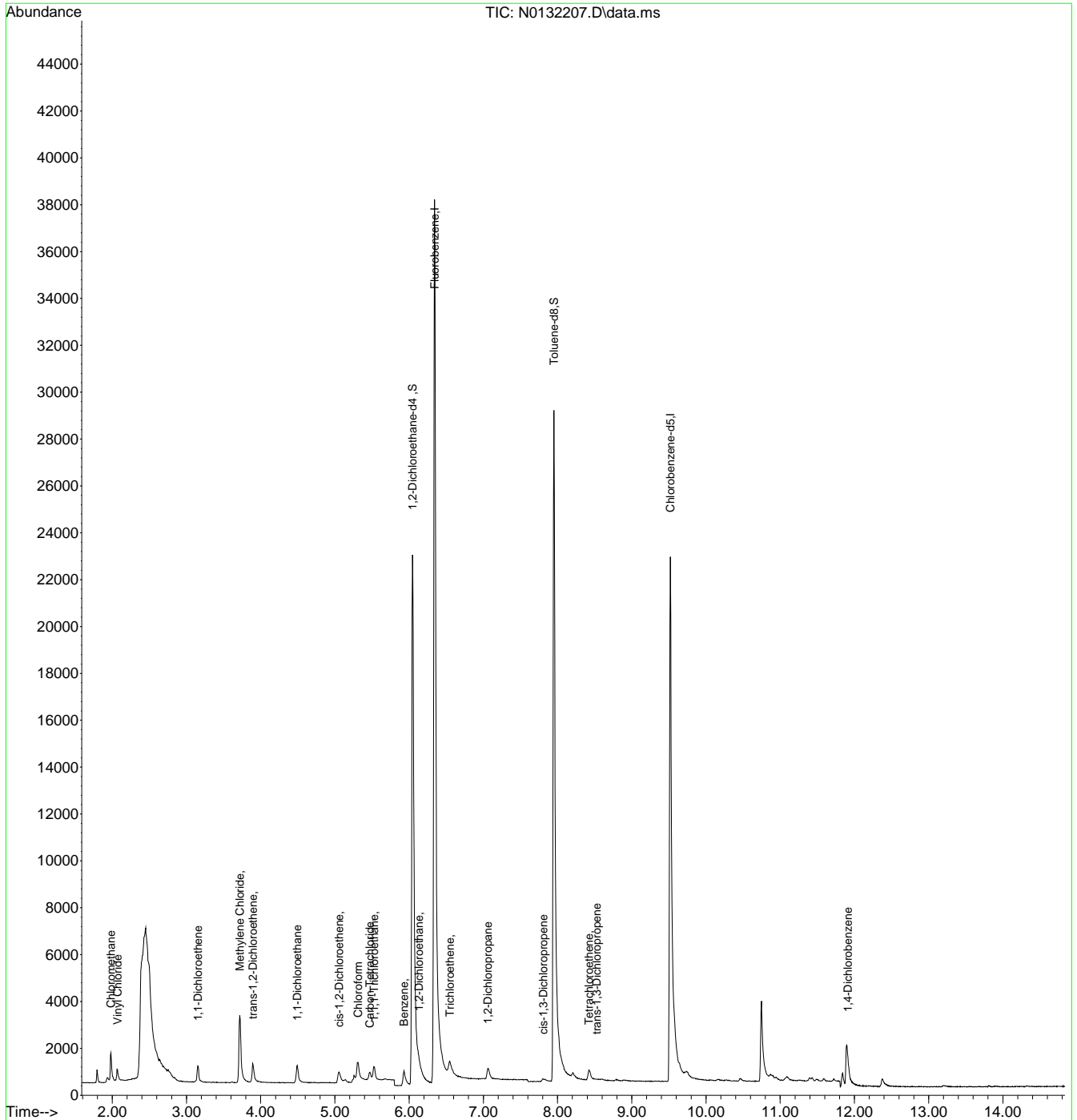
Internal Standards						
1) Fluorobenzene	6.341	96	49779	5.00	ug/L	0.00
18) Chlorobenzene-d5	9.519	117	31002	5.00	ug/L	0.00
System Monitoring Compounds						
13) 1,2-Dichloroethane-d4	6.045	65	21712	4.94	ug/L	0.00
Spiked Amount	5.000	Range 74 - 125	Recovery	=	98.80%	
19) Toluene-d8	7.951	98	36102	5.30	ug/L	0.00
Spiked Amount	5.000	Range 88 - 111	Recovery	=	106.00%	
Target Compounds						
						Qvalue
2) Vinyl Chloride	2.070	62	522	0.38	ug/L	95
3) Chloromethane	1.982	50	1298	0.70	ug/L	97
4) 1,1-Dichloroethene	3.152	61	535	0.38	ug/L	94
5) Methylene Chloride	3.718	49	3088	1.52	ug/L	93
6) trans-1,2-Dichloroethene	3.894	61	698	0.54	ug/L	95
7) 1,1-Dichloroethane	4.492	63	957	0.55	ug/L	91
8) cis-1,2-Dichloroethene	5.058	96	335	0.45	ug/L	95
9) Chloroform	5.310	83	1449	0.73	ug/L	94
10) Carbon Tetrachloride	5.473	117	253	0.33	ug/L	94
11) 1,1,1-Trichloroethane	5.527	97	441	0.40	ug/L	91
12) Benzene	5.931	78	1563	0.56	ug/L	97
14) 1,2-Dichloroethane	6.129	62	319	0.25	ug/L	80
15) Trichloroethene	6.549	95	410	0.52	ug/L	96
16) 1,2-Dichloropropane	7.058	63	373	0.44	ug/L	88
17) cis-1,3-Dichloropropene	7.807	75	217	0.32	ug/L	73
20) trans-1,3-Dichloropropene	8.528	75	94	0.16	ug/L	74
21) Tetrachloroethene	8.424	166	328	0.44	ug/L #	91
22) 1,4-Dichlorobenzene	11.913	146	897	0.56	ug/L #	26

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\08-20-24\
 Data File : N0132207.D
 Acq On : 20 Aug 2024 1:05 pm
 Operator : jeniferw
 Sample : IC6705-1
 Misc : MS57318,VN6705,,,,,
 ALS Vial : 11 Sample Multiplier: 1

Quant Time: Aug 20 13:21:18 2024
 Quant Method : C:\msdchem\1\methods\SIMCL_VN6705_082024.M
 Quant Title : Standard Methods 6200B
 QLast Update : Tue Aug 20 12:28:26 2024
 Response via : Initial Calibration



9.9.7

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\08-20-24\
 Data File : N0132208.D
 Acq On : 20 Aug 2024 1:28 pm
 Operator : jeniferw
 Sample : IC6705-2
 Misc : MS57318,VN6705,,,,,
 ALS Vial : 12 Sample Multiplier: 1

Quant Time: Aug 20 13:44:15 2024
 Quant Method : C:\msdchem\1\methods\SIMCL_VN6705_082024.M
 Quant Title : Standard Methods 6200B
 QLast Update : Tue Aug 20 13:23:25 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	

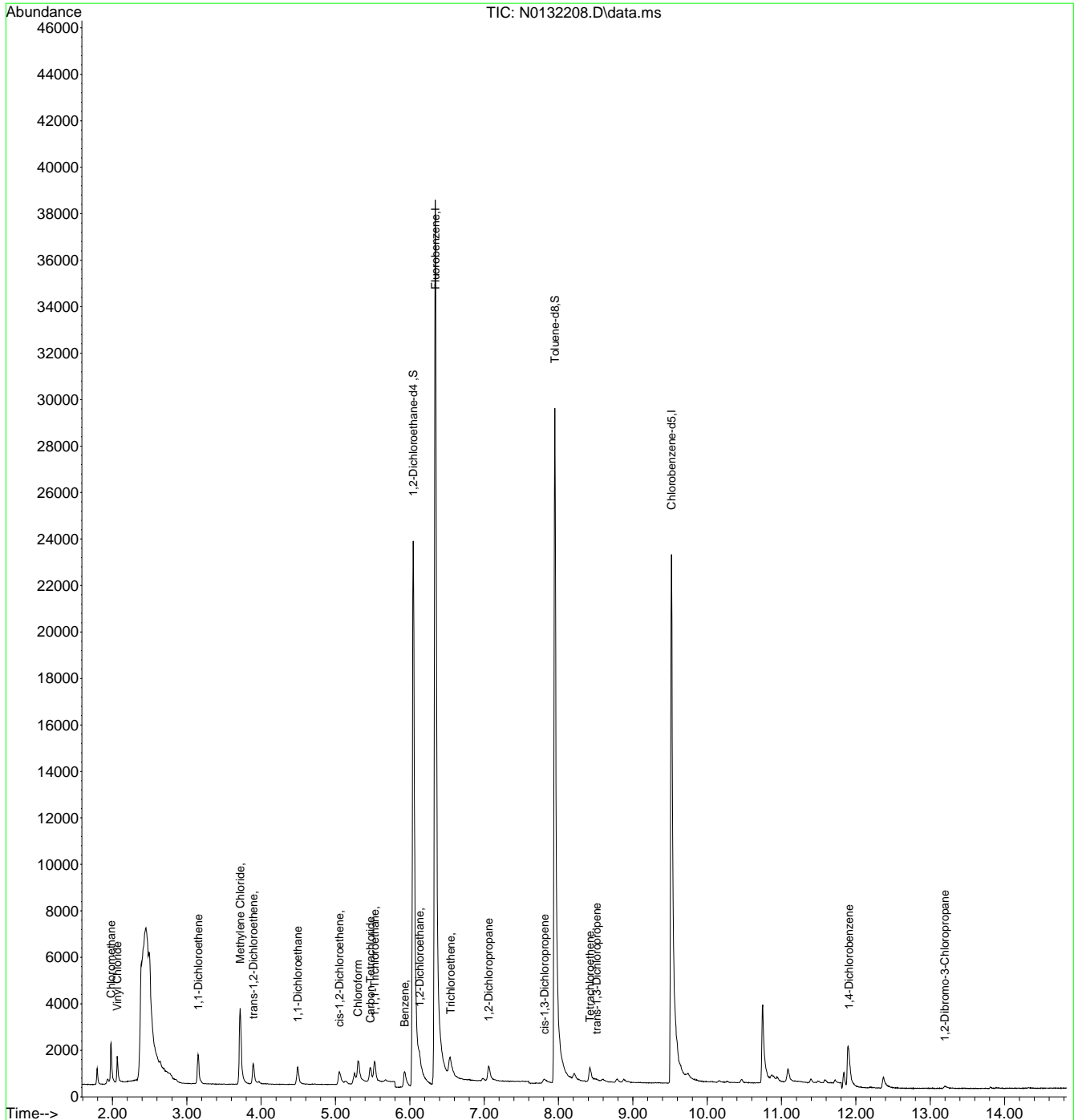
Internal Standards							
1) Fluorobenzene	6.341	96	50625	5.00	ug/L	0.00	
18) Chlorobenzene-d5	9.519	117	31825	5.00	ug/L	0.00	
System Monitoring Compounds							
13) 1,2-Dichloroethane-d4	6.045	65	22163	5.02	ug/L	0.00	
Spiked Amount	5.000	Range 74 - 125	Recovery	=	100.40%		
19) Toluene-d8	7.950	98	36684	5.24	ug/L	0.00	
Spiked Amount	5.000	Range 88 - 111	Recovery	=	104.80%		
Target Compounds							
							Qvalue
2) Vinyl Chloride	2.065	62	1030	0.92	ug/L		99
3) Chloromethane	1.982	50	1890	1.01	ug/L		99
4) 1,1-Dichloroethene	3.152	61	929	0.60	ug/L		88
5) Methylene Chloride	3.718	49	3350	1.63	ug/L		88
6) trans-1,2-Dichloroethene	3.894	61	770	0.59	ug/L		95
7) 1,1-Dichloroethane	4.492	63	1009	0.57	ug/L		96
8) cis-1,2-Dichloroethene	5.052	96	467	0.62	ug/L		94
9) Chloroform	5.303	83	1576	0.78	ug/L		93
10) Carbon Tetrachloride	5.473	117	471	0.60	ug/L		97
11) 1,1,1-Trichloroethane	5.527	97	672	0.59	ug/L		94
12) Benzene	5.931	78	1712	0.60	ug/L		96
14) 1,2-Dichloroethane	6.129	62	723	0.56	ug/L		98
15) Trichloroethene	6.548	95	489	0.61	ug/L		93
16) 1,2-Dichloropropane	7.058	63	526	0.61	ug/L		92
17) cis-1,3-Dichloropropene	7.813	75	347	0.51	ug/L		78
20) trans-1,3-Dichloropropene	8.512	75	218	0.37	ug/L #		59
21) Tetrachloroethene	8.424	166	449	0.59	ug/L #		96
22) 1,4-Dichlorobenzene	11.909	146	1037	0.63	ug/L #		32
23) 1,2-Dibromo-3-Chloropr...	13.196	75	123m	0.87	ug/L		

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\08-20-24\
 Data File : N0132208.D
 Acq On : 20 Aug 2024 1:28 pm
 Operator : jeniferw
 Sample : IC6705-2
 Misc : MS57318,VN6705,,,,,
 ALS Vial : 12 Sample Multiplier: 1

Quant Time: Aug 20 13:44:15 2024
 Quant Method : C:\msdchem\1\methods\SIMCL_VN6705_082024.M
 Quant Title : Standard Methods 6200B
 QLast Update : Tue Aug 20 13:23:25 2024
 Response via : Initial Calibration



Manual Integration Approval Summary

Sample Number: VN6705-IC6705 **Method:** SW846 8260D BY SIM
Lab FileID: N0132208.D **Analyst approved:** 08/20/24 14:18 Jenifer Willis
Injection Time: 08/20/24 13:28 **Supervisor approved:** 08/20/24 14:44 Karen Watson

Parameter	CAS	Sig#	R.T. (min.)	Reason
1,2-Dibromo-3-chloropropane	96-12-8		13.20	Missed peak

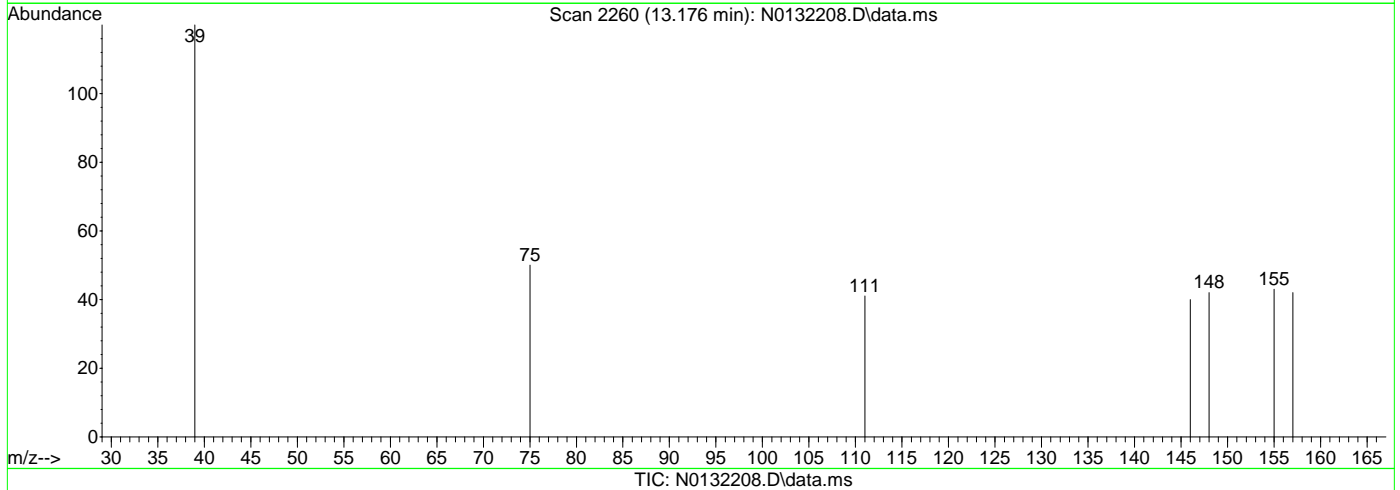
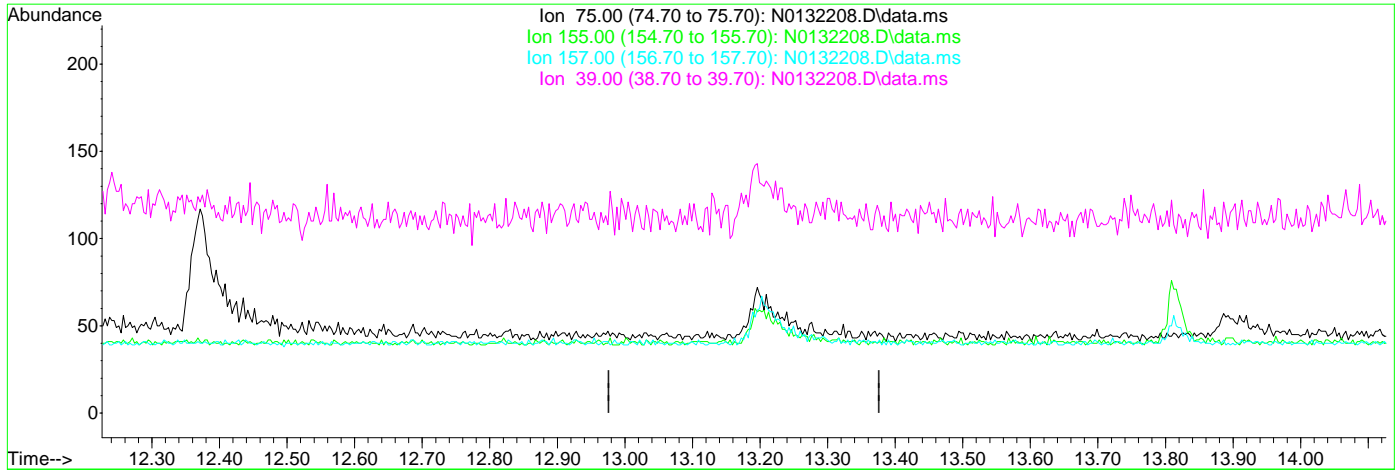
7.6.7.1

7

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\08-20-24\
 Data File : N0132208.D
 Acq On : 20 Aug 2024 1:28 pm
 Operator : jeniferw
 Sample : IC6705-2
 Misc : MS57274,VN6705,,,,,
 ALS Vial : 12 Sample Multiplier: 1

Quant Time: Aug 20 13:44:05 2024
 Quant Method : C:\msdchem\1\methods\SIMCL_VN6705_082024.M
 Quant Title : Standard Methods 6200B
 QLast Update : Tue Aug 20 13:23:25 2024
 Response via : Initial Calibration



(23) 1,2-Dibromo-3-Chloropropane

13.176min (-13.176) 0.00ug/L

response 0

Ion	Exp%	Act%
75.00	100	0.00
155.00	72.00	0.00#
157.00	87.40	0.00#
39.00	113.50	0.00#

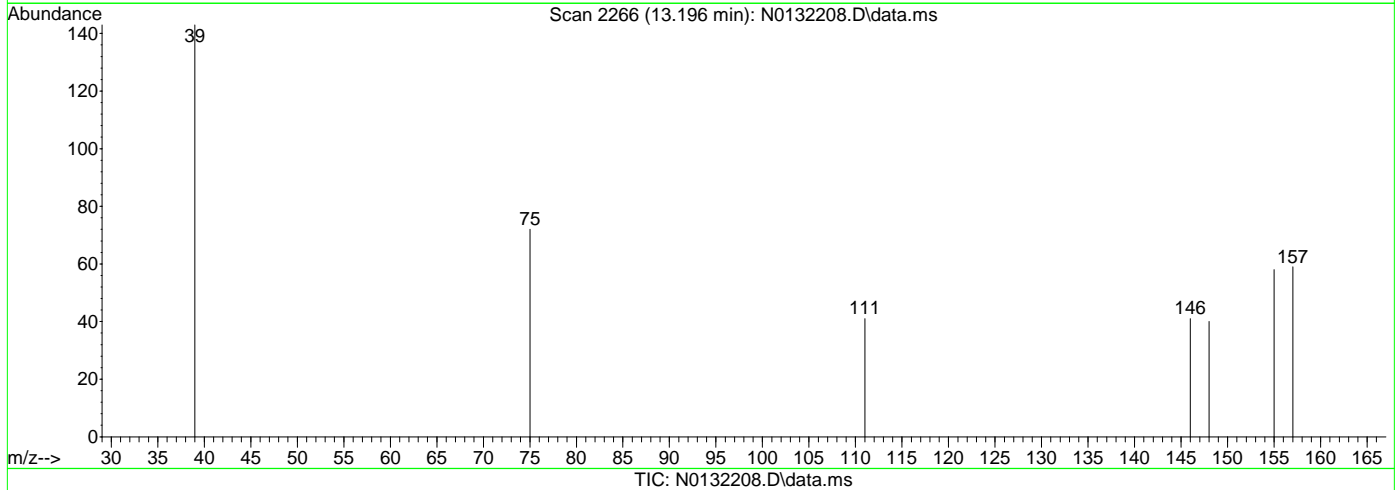
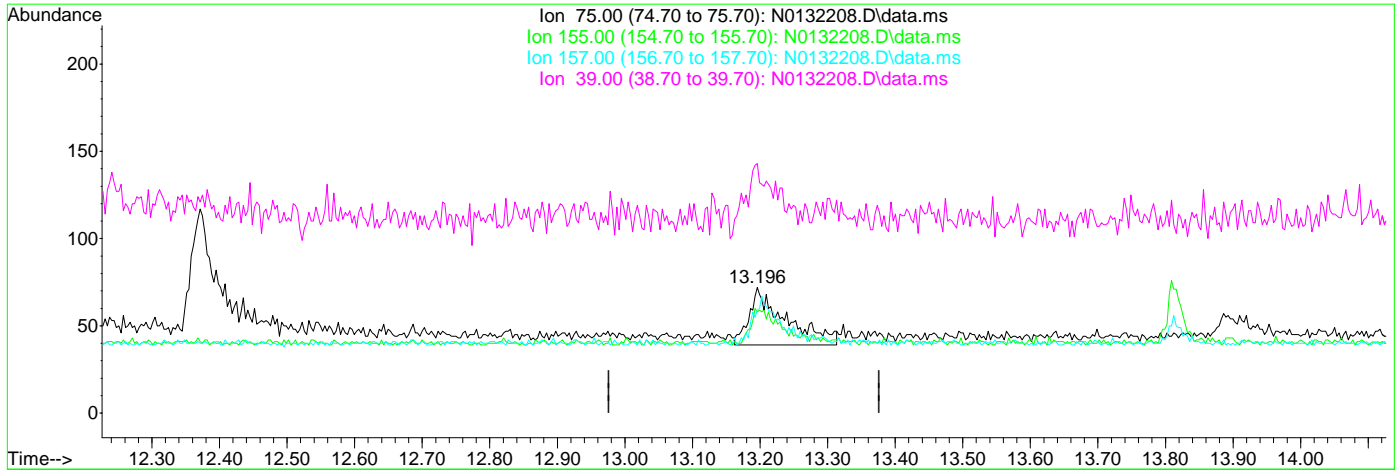


7.6.7.2
7

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\08-20-24\
 Data File : N0132208.D
 Acq On : 20 Aug 2024 1:28 pm
 Operator : jeniferw
 Sample : IC6705-2
 Misc : MS57274,VN6705,,,,,
 ALS Vial : 12 Sample Multiplier: 1

Quant Time: Aug 20 13:44:05 2024
 Quant Method : C:\msdchem\1\methods\SIMCL_VN6705_082024.M
 Quant Title : Standard Methods 6200B
 QLast Update : Tue Aug 20 13:23:25 2024
 Response via : Initial Calibration



(23) 1,2-Dibromo-3-Chloropropane

13.196min (+0.020) 0.87ug/L m

response 123

Ion	Exp%	Act%
75.00	100	100
155.00	72.00	80.56
157.00	87.40	81.94
39.00	113.50	198.61#

7.6.7.3
7

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\08-20-24\
 Data File : N0132209.D
 Acq On : 20 Aug 2024 1:52 pm
 Operator : jeniferw
 Sample : ICV6705-5
 Misc : MS57318,VN6705,,,,,
 ALS Vial : 13 Sample Multiplier: 1

Quant Time: Aug 20 14:07:51 2024
 Quant Method : C:\msdchem\1\methods\SIMCL_VN6705_082024.M
 Quant Title : Standard Methods 6200B
 QLast Update : Tue Aug 20 14:01:28 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	

Internal Standards							
1) Fluorobenzene	6.341	96	60876	5.00	ug/L	0.00	
18) Chlorobenzene-d5	9.519	117	38477	5.00	ug/L	0.00	
System Monitoring Compounds							
13) 1,2-Dichloroethane-d4	6.045	65	24856	4.75	ug/L	0.00	
Spiked Amount	5.000	Range 74 - 125	Recovery	=	95.00%		
19) Toluene-d8	7.950	98	44023	5.18	ug/L	0.00	
Spiked Amount	5.000	Range 88 - 111	Recovery	=	103.60%		
Target Compounds							
							Qvalue
2) Vinyl Chloride	2.065	62	11230	8.34	ug/L		100
3) Chloromethane	1.977	50	14558	8.09	ug/L		99
4) 1,1-Dichloroethene	3.147	61	18570	10.37	ug/L		99
5) Methylene Chloride	3.712	49	25489	10.75	ug/L		99
6) trans-1,2-Dichloroethene	3.883	61	16100	10.77	ug/L		99
7) 1,1-Dichloroethane	4.487	63	21110	10.51	ug/L		100
8) cis-1,2-Dichloroethene	5.041	96	9214	10.51	ug/L		96
9) Chloroform	5.303	83	21095	10.63	ug/L		99
10) Carbon Tetrachloride	5.466	117	9791	10.75	ug/L		97
11) 1,1,1-Trichloroethane	5.527	97	14177	10.94	ug/L		100
12) Benzene	5.915	78	34837	10.71	ug/L		99
14) 1,2-Dichloroethane	6.120	62	16914	11.01	ug/L		98
15) Trichloroethene	6.531	95	10005	10.93	ug/L		99
16) 1,2-Dichloropropane	7.046	63	11103	10.82	ug/L		99
17) cis-1,3-Dichloropropene	7.769	75	9207	11.33	ug/L		99
20) trans-1,3-Dichloropropene	8.424	75	8519	10.99	ug/L		97
21) Tetrachloroethene	8.407	166	10078	11.63	ug/L #		97
22) 1,4-Dichlorobenzene	11.906	146	22317	11.35	ug/L		99
23) 1,2-Dibromo-3-Chloropr...	13.179	75	1753	10.88	ug/L		98

(#) = qualifier out of range (m) = manual integration (+) = signals summed

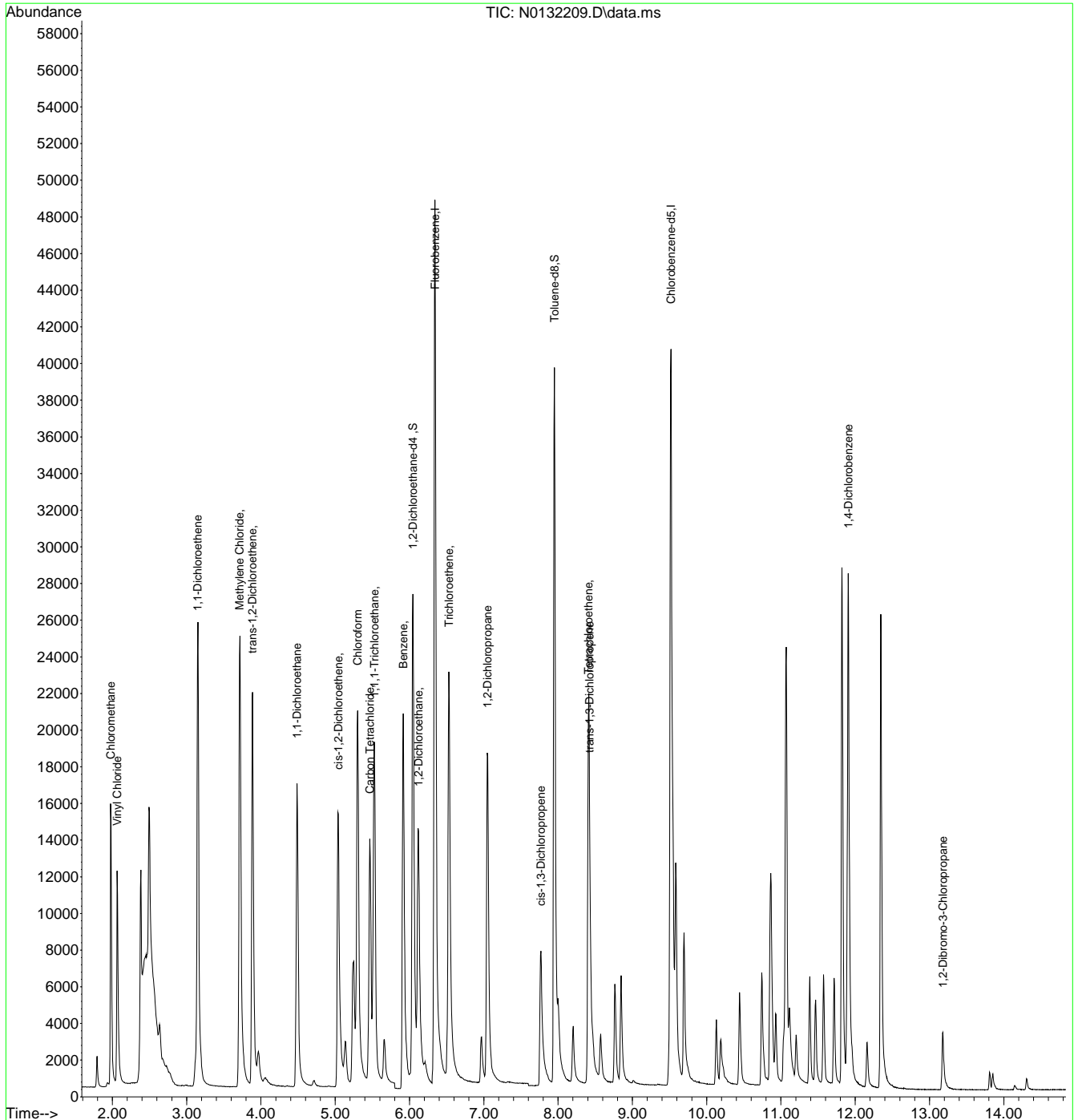
7.6.8
7



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\08-20-24\
 Data File : N0132209.D
 Acq On : 20 Aug 2024 1:52 pm
 Operator : jeniferw
 Sample : ICV6705-5
 Misc : MS57318,VN6705,,,,,
 ALS Vial : 13 Sample Multiplier: 1

Quant Time: Aug 20 14:07:51 2024
 Quant Method : C:\msdchem\1\methods\SIMCL_VN6705_082024.M
 Quant Title : Standard Methods 6200B
 QLast Update : Tue Aug 20 14:01:28 2024
 Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\09-04-24\
 Data File : N0132422.D
 Acq On : 4 Sep 2024 7:06 am
 Operator : jeniferw
 Sample : CC6705-5
 Misc : MS57404,VN6714,,,,,
 ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 04 07:52:36 2024
 Quant Method : C:\msdchem\1\methods\SIMCL_VN6705_082024.M
 Quant Title : Standard Methods 6200B
 QLast Update : Tue Aug 20 14:01:28 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	

Internal Standards							
1) Fluorobenzene	6.341	96	65437	5.00	ug/L	0.00	
18) Chlorobenzene-d5	9.514	117	45043	5.00	ug/L	0.00	
System Monitoring Compounds							
13) 1,2-Dichloroethane-d4	6.041	65	27676	4.92	ug/L	0.00	
Spiked Amount	5.000	Range 74 - 125	Recovery	=	98.40%		
19) Toluene-d8	7.945	98	49756	5.00	ug/L	0.00	
Spiked Amount	5.000	Range 88 - 111	Recovery	=	100.00%		
Target Compounds							
							Qvalue
2) Vinyl Chloride	2.065	62	17633	12.18	ug/L		97
3) Chloromethane	1.977	50	20874	10.80	ug/L		99
4) 1,1-Dichloroethene	3.152	61	18769	9.75	ug/L		91
5) Methylene Chloride	3.712	49	36187	15.80	ug/L		95
6) trans-1,2-Dichloroethene	3.883	61	16635	10.35	ug/L		99
7) 1,1-Dichloroethane	4.487	63	22440	10.40	ug/L		98
8) cis-1,2-Dichloroethene	5.036	96	10143	10.76	ug/L		97
9) Chloroform	5.296	83	21970	10.24	ug/L		98
10) Carbon Tetrachloride	5.466	117	7882	8.05	ug/L		99
11) 1,1,1-Trichloroethane	5.527	97	13209	9.48	ug/L		98
12) Benzene	5.915	78	36284	10.38	ug/L		97
14) 1,2-Dichloroethane	6.116	62	17011	10.30	ug/L		98
15) Trichloroethene	6.531	95	10068	10.23	ug/L		97
16) 1,2-Dichloropropane	7.047	63	11243	10.19	ug/L		98
17) cis-1,3-Dichloropropene	7.763	75	9649	11.05	ug/L		100
20) trans-1,3-Dichloropropene	8.418	75	9459	10.52	ug/L		96
21) Tetrachloroethene	8.407	166	10231	10.09	ug/L #		97
22) 1,4-Dichlorobenzene	11.906	146	21890	9.51	ug/L		98
23) 1,2-Dibromo-3-Chloropr...	13.176	75	1013	5.37	ug/L		97

(#) = qualifier out of range (m) = manual integration (+) = signals summed

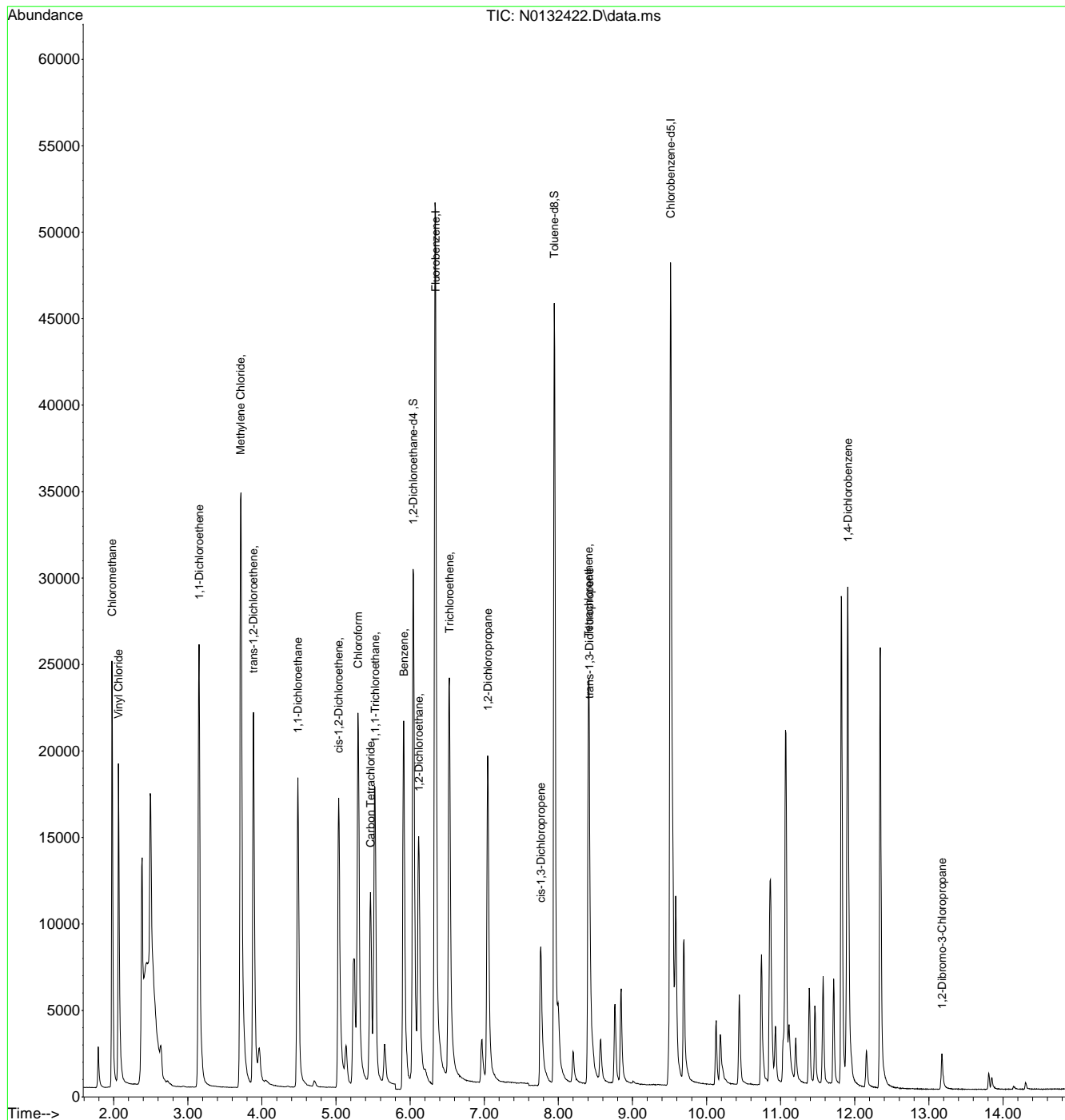


7.6.9
7

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\09-04-24\
 Data File : N0132422.D
 Acq On : 4 Sep 2024 7:06 am
 Operator : jeniferw
 Sample : CC6705-5
 Misc : MS57404,VN6714,,,,,
 ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 04 07:52:36 2024
 Quant Method : C:\msdchem\1\methods\SIMCL_VN6705_082024.M
 Quant Title : Standard Methods 6200B
 QLast Update : Tue Aug 20 14:01:28 2024
 Response via : Initial Calibration



697



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\09-04-24\
 Data File : N0132443.D
 Acq On : 4 Sep 2024 3:29 pm
 Operator : jeniferw
 Sample : ECC6705-5
 Misc : MS57416,VN6714,,,,,
 ALS Vial : 23 Sample Multiplier: 1

Quant Time: Sep 05 05:56:44 2024
 Quant Method : C:\msdchem\1\methods\SIMCL_VN6705_082024.M
 Quant Title : Standard Methods 6200B
 QLast Update : Tue Aug 20 14:01:28 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	

Internal Standards							
1) Fluorobenzene	6.341	96	62226	5.00	ug/L	0.00	
18) Chlorobenzene-d5	9.514	117	43214	5.00	ug/L	0.00	
System Monitoring Compounds							
13) 1,2-Dichloroethane-d4	6.045	65	27075	5.06	ug/L	0.00	
Spiked Amount	5.000	Range	74 - 125	Recovery	=	101.20%	
19) Toluene-d8	7.951	98	46914	4.92	ug/L	0.00	
Spiked Amount	5.000	Range	88 - 111	Recovery	=	98.40%	
Target Compounds							
							Qvalue
2) Vinyl Chloride	2.070	62	16318	11.85	ug/L		96
3) Chloromethane	1.982	50	21595	11.75	ug/L		99
4) 1,1-Dichloroethene	3.152	61	18034	9.85	ug/L		95
5) Methylene Chloride	3.718	49	36176	17.11	ug/L		89
6) trans-1,2-Dichloroethene	3.888	61	15827	10.35	ug/L		92
7) 1,1-Dichloroethane	4.487	63	21721	10.58	ug/L		99
8) cis-1,2-Dichloroethene	5.041	96	9611	10.72	ug/L		98
9) Chloroform	5.303	83	21738	10.73	ug/L		98
10) Carbon Tetrachloride	5.466	117	7856	8.44	ug/L		97
11) 1,1,1-Trichloroethane	5.527	97	12770	9.64	ug/L		99
12) Benzene	5.915	78	35198	10.59	ug/L		98
14) 1,2-Dichloroethane	6.120	62	16828	10.72	ug/L		97
15) Trichloroethene	6.531	95	9709	10.38	ug/L		99
16) 1,2-Dichloropropane	7.052	63	10813	10.31	ug/L		98
17) cis-1,3-Dichloropropene	7.769	75	8854	10.66	ug/L		99
20) trans-1,3-Dichloropropene	8.424	75	8831	10.28	ug/L		97
21) Tetrachloroethene	8.413	166	9808	10.08	ug/L #		98
22) 1,4-Dichlorobenzene	11.906	146	21041	9.52	ug/L		99
23) 1,2-Dibromo-3-Chloropr...	13.179	75	844	4.67	ug/L		96

(#) = qualifier out of range (m) = manual integration (+) = signals summed

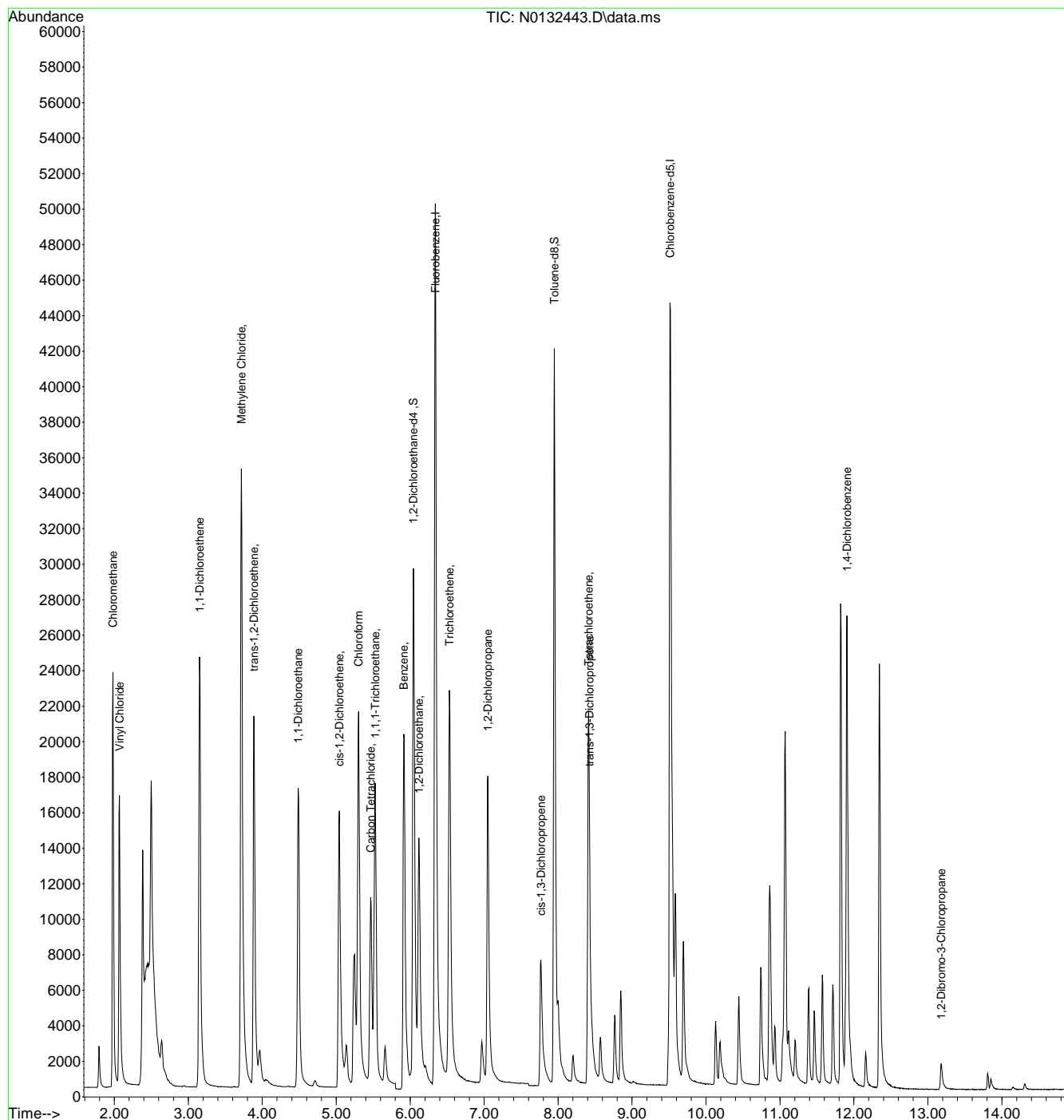
7.6.10
7



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\09-04-24\
 Data File : N0132443.D
 Acq On : 4 Sep 2024 3:29 pm
 Operator : jeniferw
 Sample : ECC6705-5
 Misc : MS57416,VN6714,,,,,
 ALS Vial : 23 Sample Multiplier: 1

Quant Time: Sep 05 05:56:44 2024
 Quant Method : C:\msdchem\1\methods\SIMCL_VN6705_082024.M
 Quant Title : Standard Methods 6200B
 QLast Update : Tue Aug 20 14:01:28 2024
 Response via : Initial Calibration



7.6.10
7



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\082824\
 Data File : Z76603.D
 Acq On : 28 Aug 2024 8:29 am
 Operator : claudias
 Sample : IC3084-1 Inst : MSVOA15-Z
 Misc : MS57344,VZ3084,,,,,
 ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 28 09:43:35 2024
 Quant Method : C:\msdchem\1\methods\SIMCL-08-26-2024.M
 Quant Title : Standard Methods 6200B
 QLast Update : Mon Aug 26 13:08:06 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Fluorobenzene	7.895	96	16248	5.00	ug/L	0.00
18) Chlorobenzene-d5	10.980	117	17016	5.00	ug/L	0.00
System Monitoring Compounds						
13) 1,2-Dichloroethane-d4	7.628	65	4890	3.51	ug/L	0.00
Spiked Amount	5.000	Range 74 - 125	Recovery	=	70.20%#	
19) Toluene-d8	9.428	98	19188	6.95	ug/L	0.00
Spiked Amount	5.000	Range 88 - 111	Recovery	=	139.00%#	
Target Compounds						
						Qvalue
2) Vinyl Chloride	3.192	62	1003	0.52	ug/L	# 40
3) Chloromethane	3.133	50	820	0.32	ug/L	99
4) 1,1-Dichloroethene	4.570	61	285	0.11	ug/L	97
5) Methylene Chloride	5.213	49	2791	0.80	ug/L	96
6) trans-1,2-Dichloroethene	5.395	61	244	0.10	ug/L	94
7) 1,1-Dichloroethane	6.065	63	301	0.09	ug/L	97
8) cis-1,2-Dichloroethene	6.625	96	214	0.12	ug/L	95
9) Chloroform	6.883	83	360m	0.10	ug/L	
10) Carbon Tetrachloride	7.051	117	298m	0.11	ug/L	
11) 1,1,1-Trichloroethane	7.126	97	371m	0.13	ug/L	
12) Benzene	7.499	78	611	0.12	ug/L	93
14) 1,2-Dichloroethane	7.696	62	231	0.09	ug/L	95
15) Trichloroethene	8.066	95	180	0.12	ug/L	93
16) 1,2-Dichloropropane	8.588	63	166	0.11	ug/L	89
17) cis-1,3-Dichloropropene	9.246	75	272	0.20	ug/L	87
20) trans-1,3-Dichloropropene	9.880	75	273	0.25	ug/L	92
21) Tetrachloroethene	9.874	166	229	0.16	ug/L	# 92
22) 1,4-Dichlorobenzene	13.274	146	499	0.16	ug/L	95
23) 1,2-Dibromo-3-Chloropr...	14.517	75	94m	0.33	ug/L	

(#) = qualifier out of range (m) = manual integration (+) = signals summed

7.6.11
7

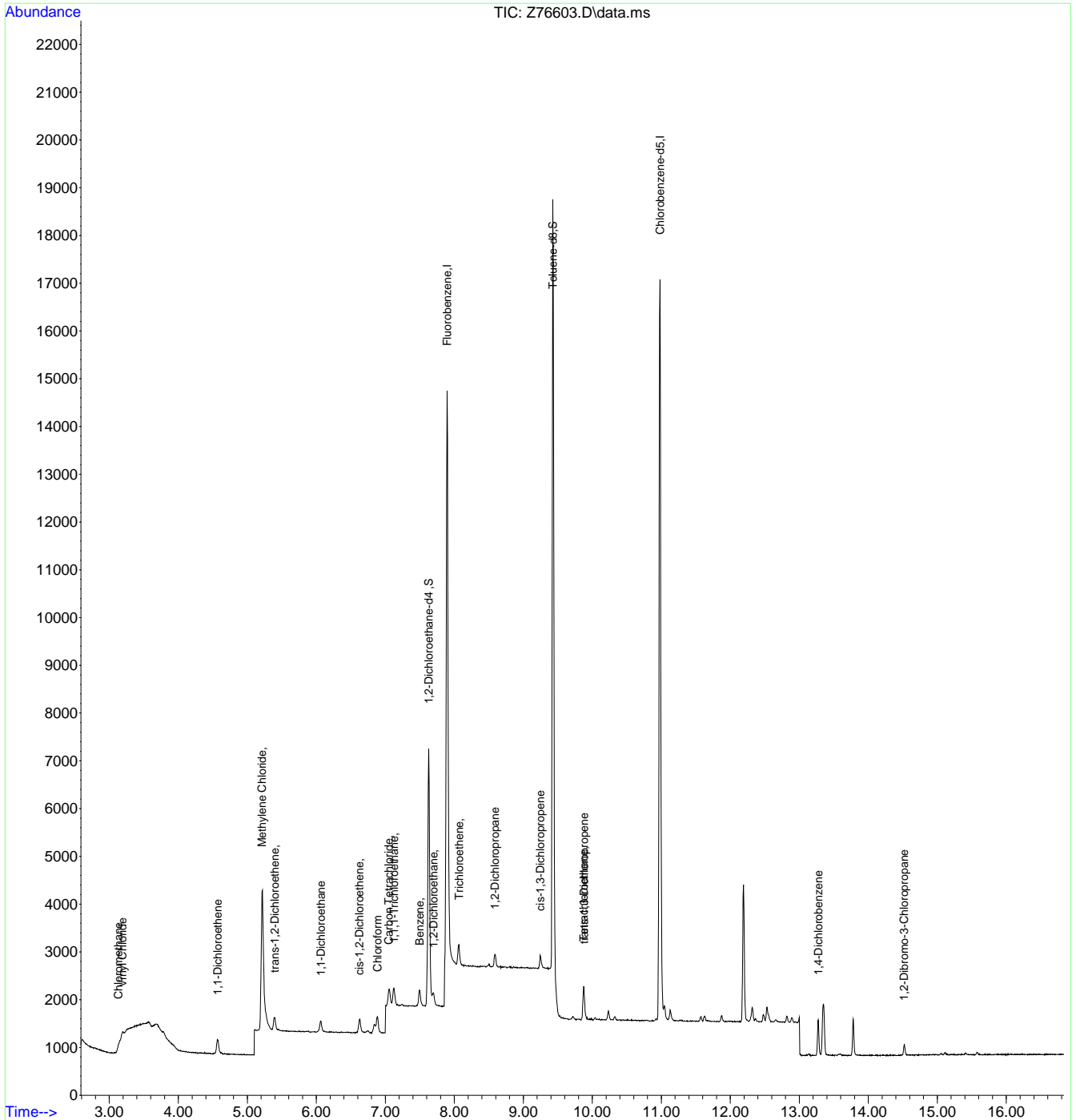


Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\082824\
 Data File : Z76603.D
 Acq On : 28 Aug 2024 8:29 am
 Operator : claudias
 Sample : IC3084-1
 Misc : MS57344,VZ3084,,,,,
 ALS Vial : 3 Sample Multiplier: 1

Inst : MSVOA15-Z

Quant Time: Aug 28 09:43:35 2024
 Quant Method : C:\msdchem\1\methods\SIMCL-08-26-2024.M
 Quant Title : Standard Methods 6200B
 QLast Update : Mon Aug 26 13:08:06 2024
 Response via : Initial Calibration



7.6.11
7



Manual Integration Approval Summary

Sample Number: VZ3084-IC3084 **Method:** SW846 8260D BY SIM
Lab FileID: Z76603.D **Analyst approved:** 08/28/24 12:42 Claudia Sosa
Injection Time: 08/28/24 08:29 **Supervisor approved:** 08/28/24 14:42 Karen Watson

Parameter	CAS	Sig#	R.T. (min.)	Reason
Chloroform	67-66-3		6.88	Poor instrument integration
Carbon Tetrachloride	56-23-5		7.05	Poor instrument integration
1,1,1-Trichloroethane	71-55-6		7.13	Poor instrument integration
1,2-Dibromo-3-chloropropane	96-12-8		14.52	Missed peak

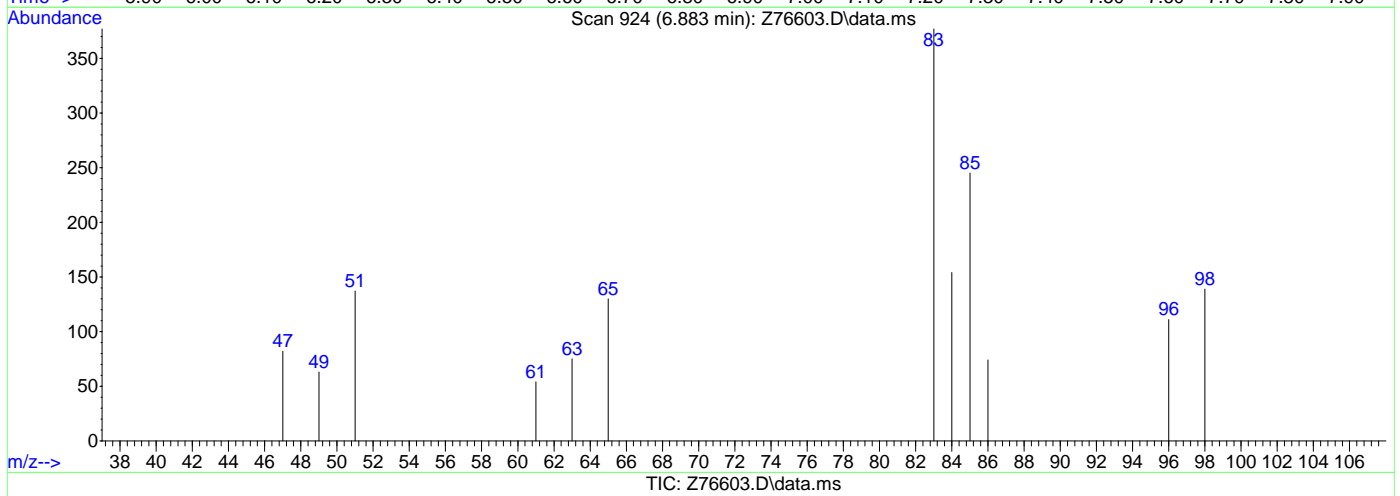
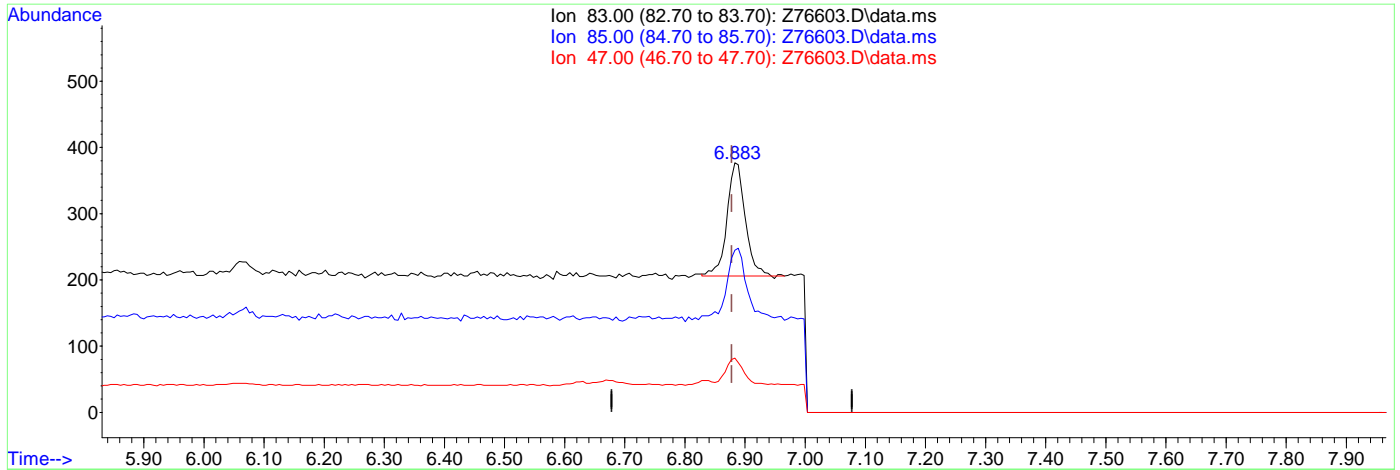
7.6.11.1
7

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\082824\
 Data File : Z76603.D
 Acq On : 28 Aug 2024 8:29 am
 Operator : claudias
 Sample : IC3084-1
 Misc : MS57344,VZ3084,,,,,
 ALS Vial : 3 Sample Multiplier: 1

Inst : MSVOA15-Z

Quant Time: Aug 28 09:43:35 2024
 Quant Method : C:\msdchem\1\methods\SIMCL-08-26-2024.M
 Quant Title : Standard Methods 6200B
 QLast Update : Mon Aug 26 13:08:06 2024
 Response via : Initial Calibration



(9) Chloroform

6.883min (+0.005) 0.10ug/L m

response 360

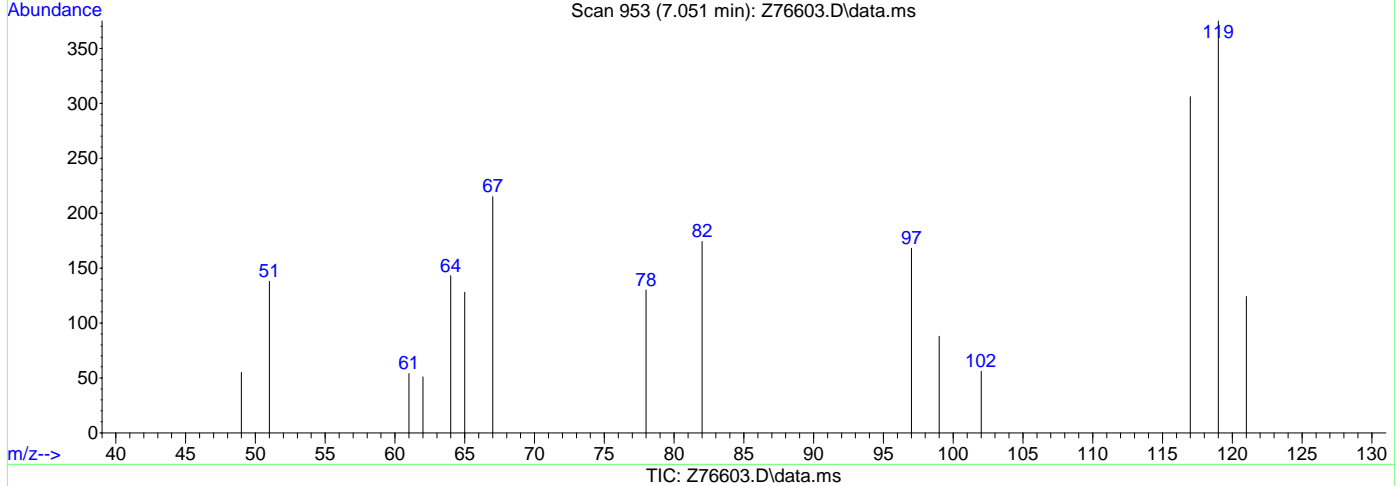
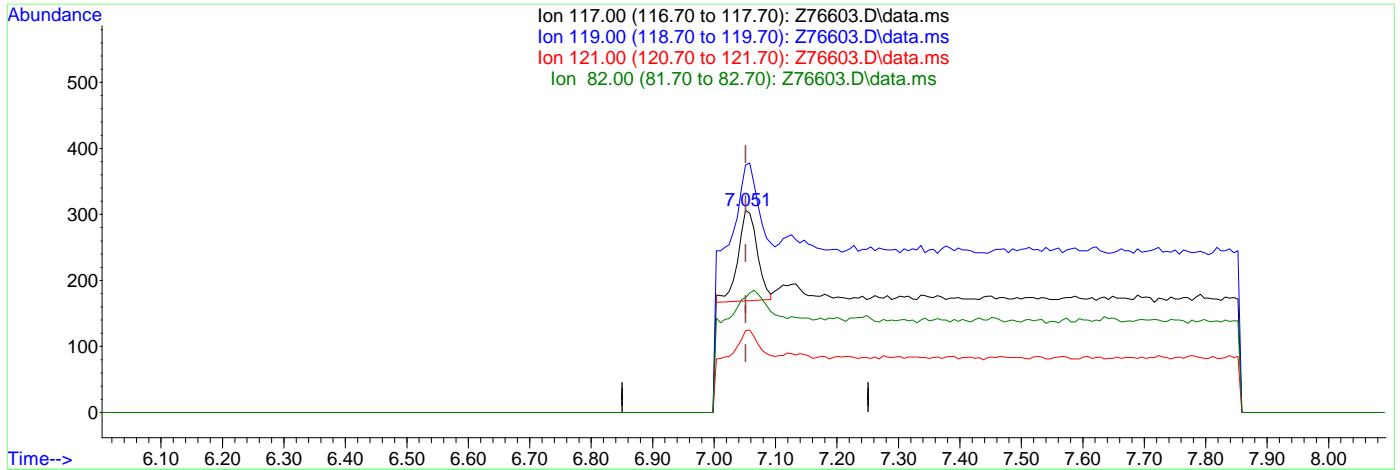
Ion	Exp%	Act%
83.00	100	100
85.00	65.90	64.99
47.00	21.00	21.75
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\082824\
 Data File : Z76603.D
 Acq On : 28 Aug 2024 8:29 am
 Operator : claudias
 Sample : IC3084-1
 Misc : MS57344,VZ3084,,,,,
 ALS Vial : 3 Sample Multiplier: 1

Inst : MSVOA15-Z

Quant Time: Aug 28 09:43:35 2024
 Quant Method : C:\msdchem\1\methods\SIMCL-08-26-2024.M
 Quant Title : Standard Methods 6200B
 QLast Update : Mon Aug 26 13:08:06 2024
 Response via : Initial Calibration



(10) Carbon Tetrachloride ()

7.051min (+0.000) 0.11ug/L m

response 298

Ion	Exp%	Act%
117.00	100	100
119.00	96.20	122.55
121.00	31.20	40.52
82.00	20.80	56.86#

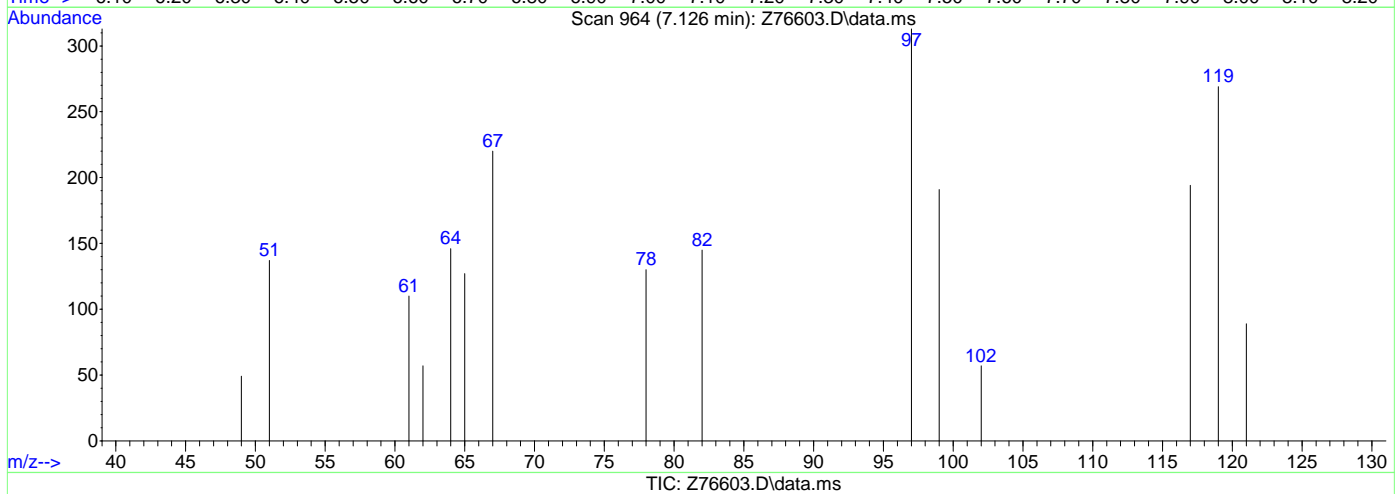
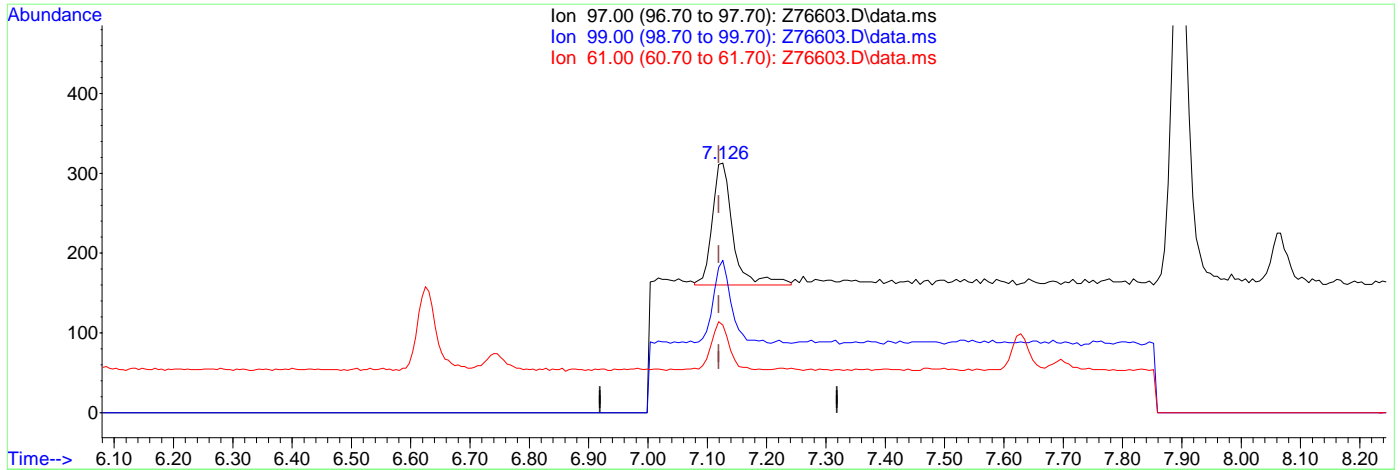
7.6.11.3
7

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\082824\
 Data File : Z76603.D
 Acq On : 28 Aug 2024 8:29 am
 Operator : claudias
 Sample : IC3084-1
 Misc : MS57344,VZ3084,,,,,
 ALS Vial : 3 Sample Multiplier: 1

Inst : MSVOA15-Z

Quant Time: Aug 28 09:43:35 2024
 Quant Method : C:\msdchem\1\methods\SIMCL-08-26-2024.M
 Quant Title : Standard Methods 6200B
 QLast Update : Mon Aug 26 13:08:06 2024
 Response via : Initial Calibration



(11) 1,1,1-Trichloroethane ()
 7.126min (+0.007) 0.13ug/L m
 response 371

Ion	Exp%	Act%
97.00	100	100
99.00	64.80	61.02
61.00	33.90	35.14
0.00	0.00	0.00

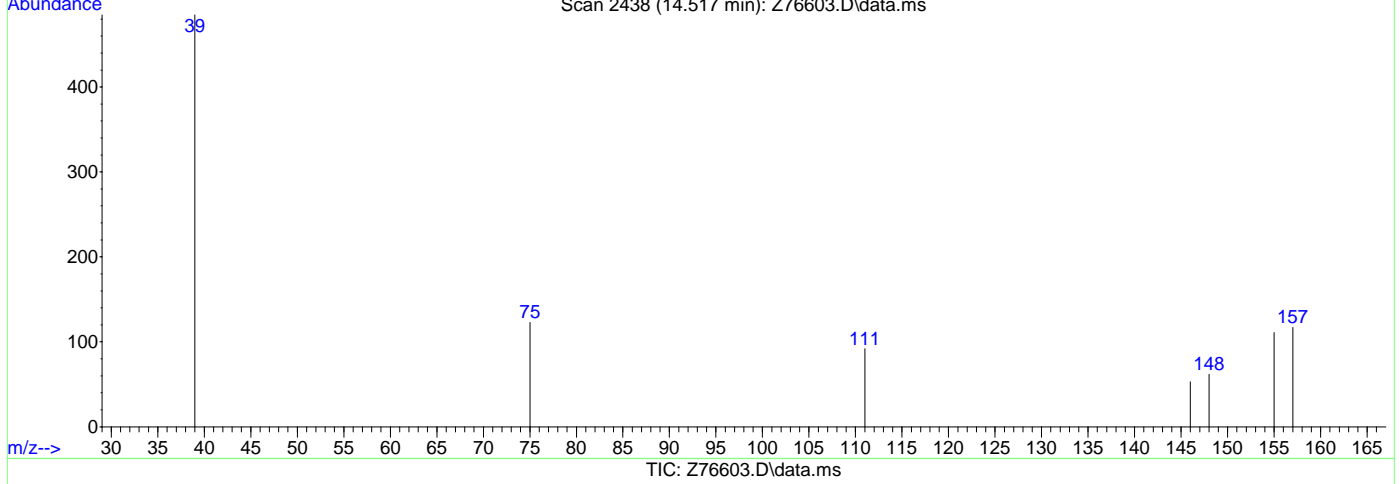
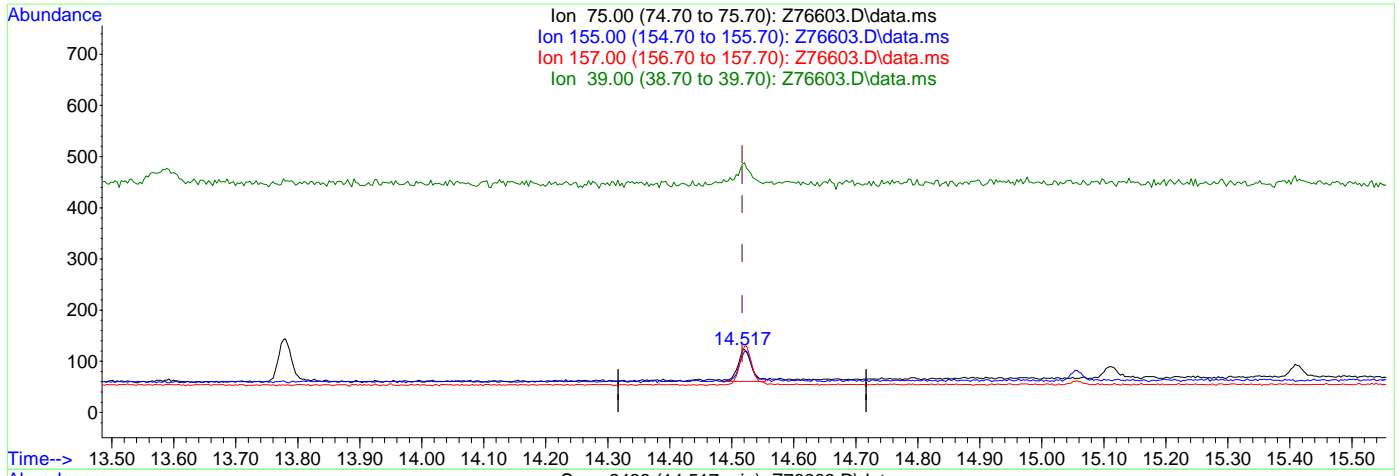
7.6.11.4
7

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\082824\
 Data File : Z76603.D
 Acq On : 28 Aug 2024 8:29 am
 Operator : claudias
 Sample : IC3084-1
 Misc : MS57344,VZ3084,,,,,
 ALS Vial : 3 Sample Multiplier: 1

Inst : MSVOA15-Z

Quant Time: Aug 28 09:43:35 2024
 Quant Method : C:\msdchem\1\methods\SIMCL-08-26-2024.M
 Quant Title : Standard Methods 6200B
 QLast Update : Mon Aug 26 13:08:06 2024
 Response via : Initial Calibration



(23) 1,2-Dibromo-3-Chloropropane

14.517min (+0.000) 0.33ug/L m

response 94

Ion	Exp%	Act%
75.00	100	100
155.00	116.30	90.24
157.00	149.10	95.12#
39.00	55.20	394.31#



7.6.11.5
7

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\082824\
 Data File : Z76604.D
 Acq On : 28 Aug 2024 8:51 am
 Operator : claudias
 Sample : IC3084-2 Inst : MSVOA15-Z
 Misc : MS57344,VZ3084,,,,,
 ALS Vial : 4 Sample Multiplier: 1

Quant Time: Aug 28 09:15:52 2024
 Quant Method : C:\msdchem\1\methods\SIMCL-08-26-2024.M
 Quant Title : Standard Methods 6200B
 QLast Update : Mon Aug 26 13:08:06 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	

Internal Standards							
1) Fluorobenzene	7.894	96	16712	5.00	ug/L	0.00	
18) Chlorobenzene-d5	10.980	117	17424	5.00	ug/L	0.00	
System Monitoring Compounds							
13) 1,2-Dichloroethane-d4	7.628	65	5206	3.64	ug/L	0.00	
Spiked Amount	5.000	Range 74 - 125	Recovery	=	72.80%#		
19) Toluene-d8	9.428	98	19524	6.91	ug/L	0.00	
Spiked Amount	5.000	Range 88 - 111	Recovery	=	138.20%#		
Target Compounds							
							Qvalue
2) Vinyl Chloride	3.188	62	1692	0.85	ug/L		78
3) Chloromethane	3.133	50	1602	0.60	ug/L		97
4) 1,1-Dichloroethene	4.566	61	1109	0.42	ug/L		97
5) Methylene Chloride	5.213	49	3660	1.03	ug/L		96
6) trans-1,2-Dichloroethene	5.389	61	1014	0.39	ug/L		96
7) 1,1-Dichloroethane	6.059	63	1316	0.37	ug/L		99
8) cis-1,2-Dichloroethene	6.625	96	781	0.44	ug/L		94
9) Chloroform	6.883	83	1378m	0.36	ug/L		
10) Carbon Tetrachloride	7.058	117	1171m	0.44	ug/L		
11) 1,1,1-Trichloroethane	7.126	97	1268m	0.43	ug/L		
12) Benzene	7.492	78	2431	0.46	ug/L		96
14) 1,2-Dichloroethane	7.696	62	922	0.36	ug/L		95
15) Trichloroethene	8.060	95	670	0.43	ug/L		92
16) 1,2-Dichloropropane	8.588	63	652	0.42	ug/L		93
17) cis-1,3-Dichloropropene	9.246	75	997	0.70	ug/L		94
20) trans-1,3-Dichloropropene	9.874	75	890	0.79	ug/L		95
21) Tetrachloroethene	9.874	166	751	0.53	ug/L #		94
22) 1,4-Dichlorobenzene	13.354	146	1489	0.45	ug/L		87
23) 1,2-Dibromo-3-Chloropr...	14.520	75	224m	0.77	ug/L		

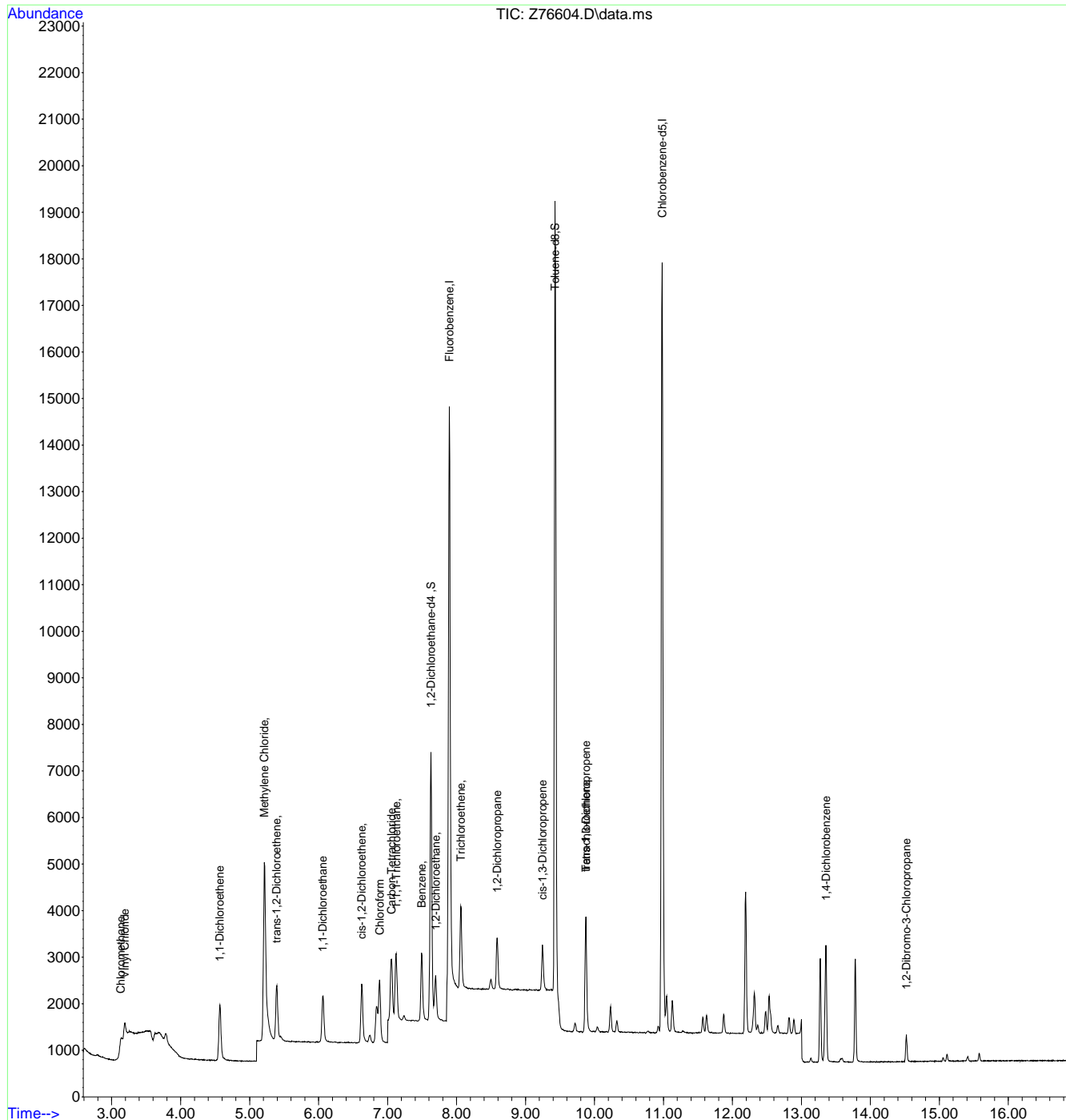
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\082824\
 Data File : Z76604.D
 Acq On : 28 Aug 2024 8:51 am
 Operator : claudias
 Sample : IC3084-2
 Misc : MS57344,VZ3084,,,,,
 ALS Vial : 4 Sample Multiplier: 1

Inst : MSVOA15-Z

Quant Time: Aug 28 09:15:52 2024
 Quant Method : C:\msdchem\1\methods\SIMCL-08-26-2024.M
 Quant Title : Standard Methods 6200B
 QLast Update : Mon Aug 26 13:08:06 2024
 Response via : Initial Calibration



7.6.12
7



Manual Integration Approval Summary

Sample Number: VZ3084-IC3084 **Method:** SW846 8260D BY SIM
Lab FileID: Z76604.D **Analyst approved:** 08/28/24 12:42 Claudia Sosa
Injection Time: 08/28/24 08:51 **Supervisor approved:** 08/28/24 14:42 Karen Watson

Parameter	CAS	Sig#	R.T. (min.)	Reason
Chloroform	67-66-3		6.88	Poor instrument integration
Carbon Tetrachloride	56-23-5		7.06	Poor instrument integration
1,1,1-Trichloroethane	71-55-6		7.13	Poor instrument integration
1,2-Dibromo-3-chloropropane	96-12-8		14.52	Missed peak

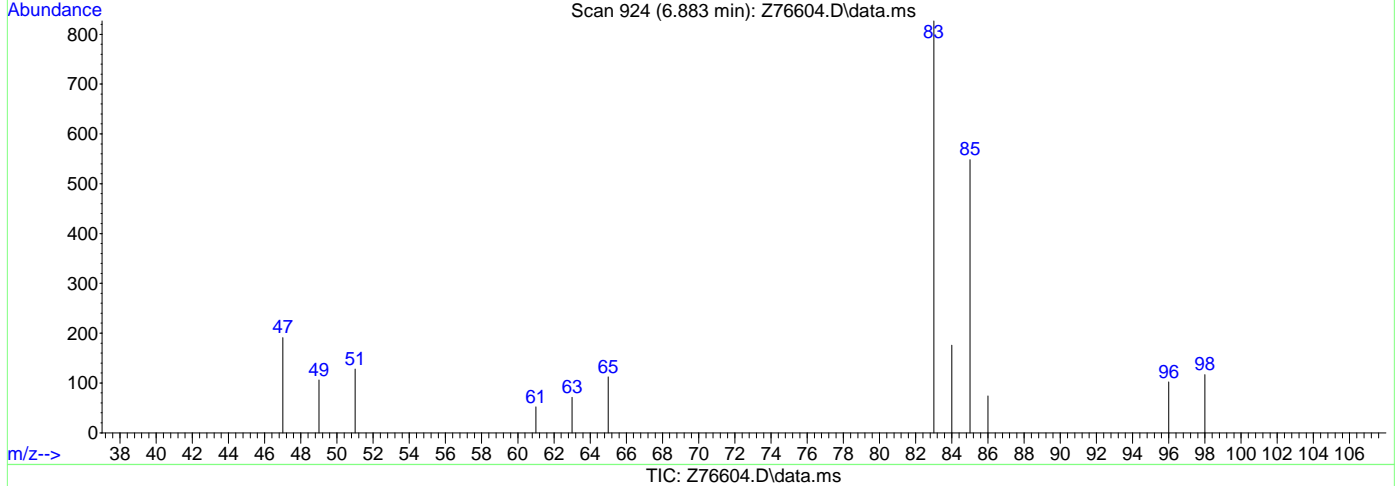
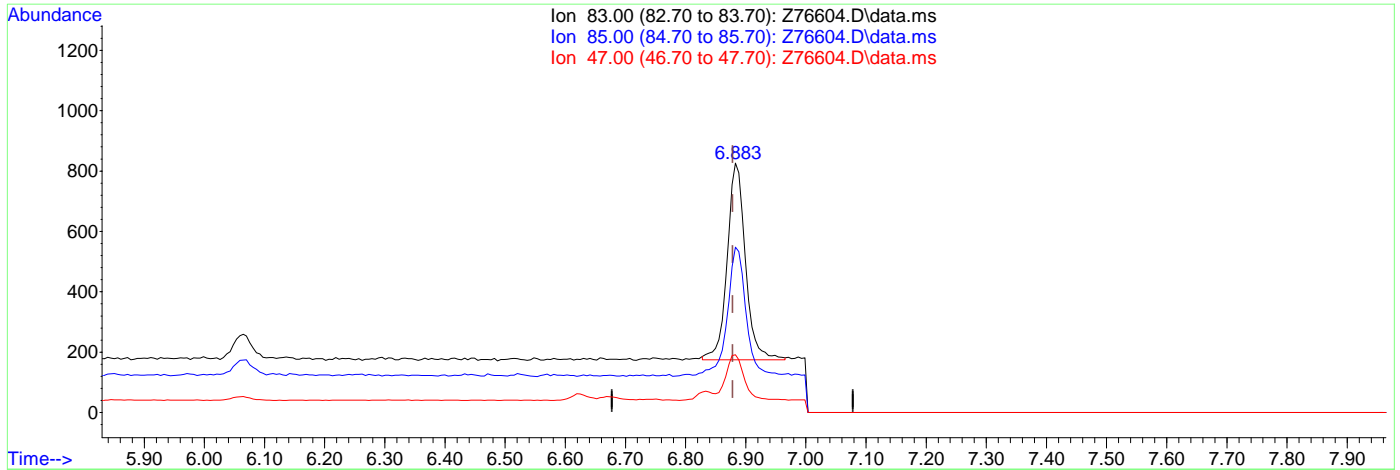
7.6.12.1
7

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\082824\
 Data File : Z76604.D
 Acq On : 28 Aug 2024 8:51 am
 Operator : claudias
 Sample : IC3084-2
 Misc : MS57344,VZ3084,,,,,
 ALS Vial : 4 Sample Multiplier: 1

Inst : MSVOA15-Z

Quant Time: Aug 28 09:15:52 2024
 Quant Method : C:\msdchem\1\methods\SIMCL-08-26-2024.M
 Quant Title : Standard Methods 6200B
 QLast Update : Mon Aug 26 13:08:06 2024
 Response via : Initial Calibration



(9) Chloroform

6.883min (+0.005) 0.36ug/L m

response 1378

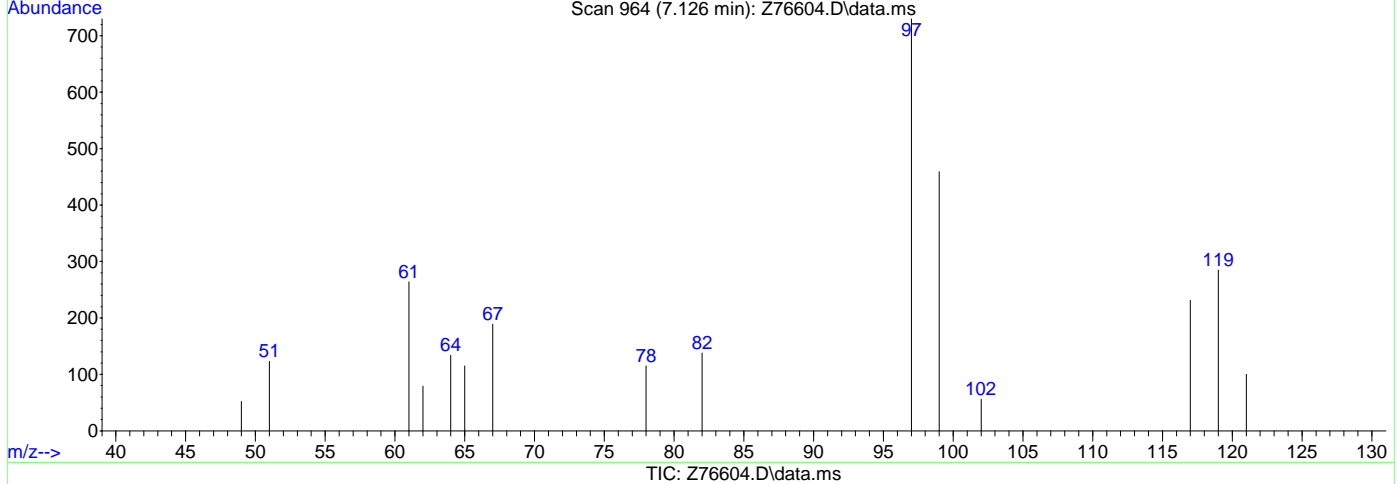
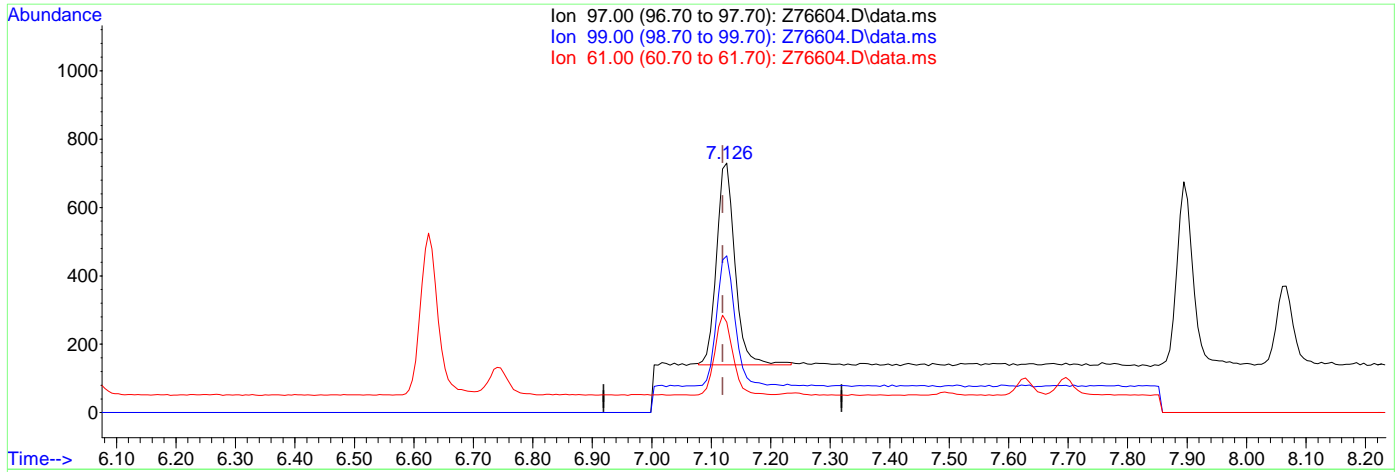
Ion	Exp%	Act%
83.00	100	100
85.00	65.90	66.26
47.00	21.00	23.10
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\082824\
 Data File : Z76604.D
 Acq On : 28 Aug 2024 8:51 am
 Operator : claudias
 Sample : IC3084-2
 Misc : MS57344,VZ3084,,,,,
 ALS Vial : 4 Sample Multiplier: 1

Inst : MSVOA15-Z

Quant Time: Aug 28 09:15:52 2024
 Quant Method : C:\msdchem\1\methods\SIMCL-08-26-2024.M
 Quant Title : Standard Methods 6200B
 QLast Update : Mon Aug 26 13:08:06 2024
 Response via : Initial Calibration



(11) 1,1,1-Trichloroethane ()

7.126min (+0.007) 0.43ug/L m

response 1268

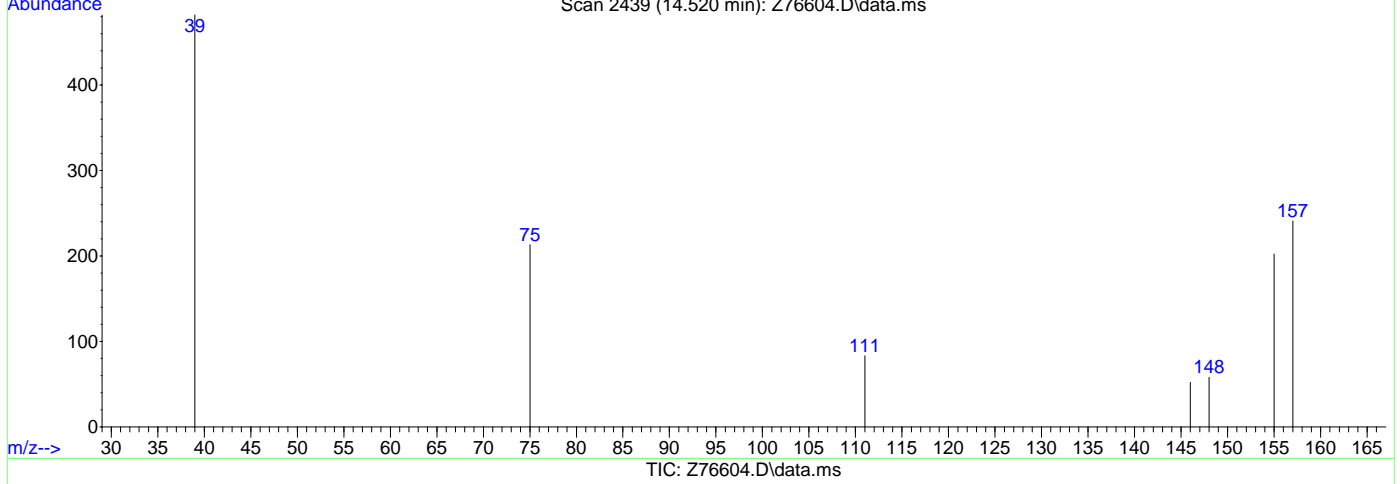
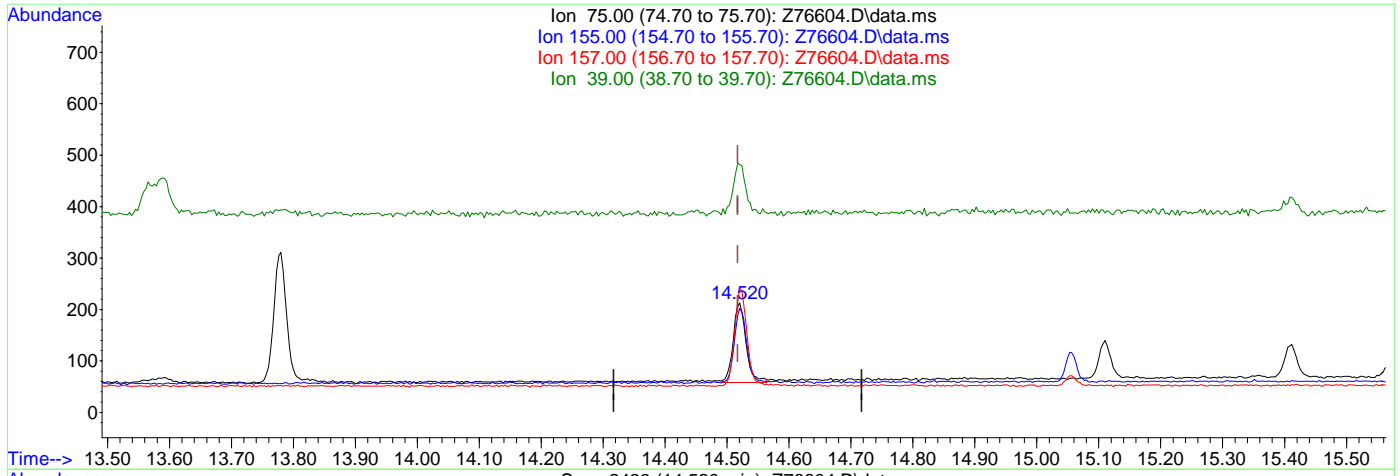
Ion	Exp%	Act%
97.00	100	100
99.00	64.80	62.88
61.00	33.90	36.16
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\082824\
 Data File : Z76604.D
 Acq On : 28 Aug 2024 8:51 am
 Operator : claudias
 Sample : IC3084-2
 Misc : MS57344,VZ3084,,,,,
 ALS Vial : 4 Sample Multiplier: 1

Inst : MSVOA15-Z

Quant Time: Aug 28 09:15:52 2024
 Quant Method : C:\msdchem\1\methods\SIMCL-08-26-2024.M
 Quant Title : Standard Methods 6200B
 QLast Update : Mon Aug 26 13:08:06 2024
 Response via : Initial Calibration



(23) 1,2-Dibromo-3-Chloropropane

14.520min (+0.003) 0.77ug/L m

response 224

Ion	Exp%	Act%
75.00	100	100
155.00	116.30	94.84
157.00	149.10	113.15#
39.00	55.20	226.29#

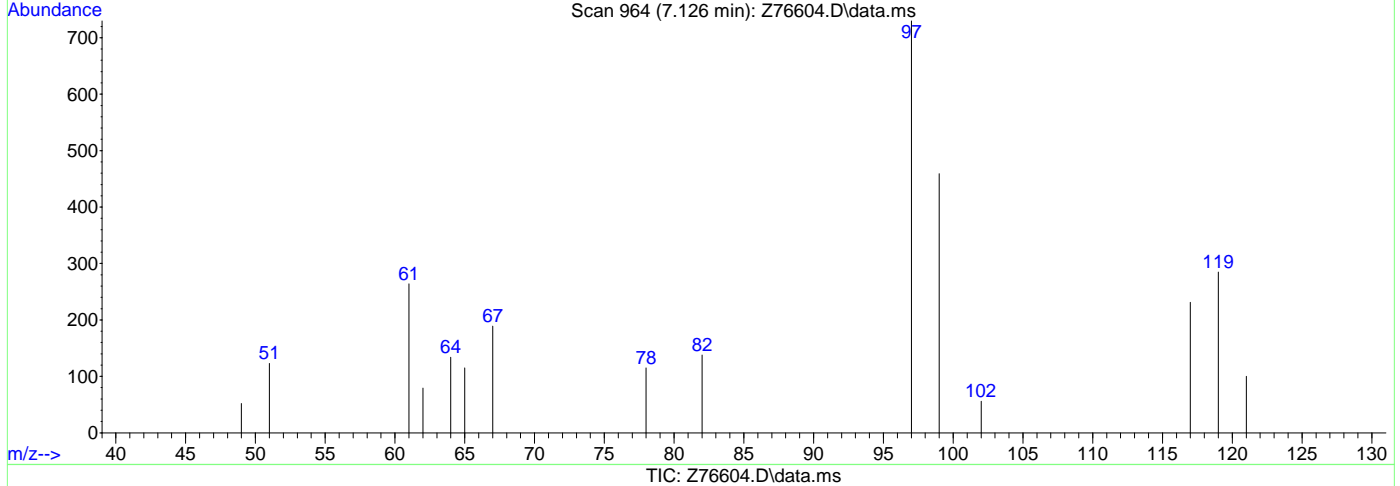
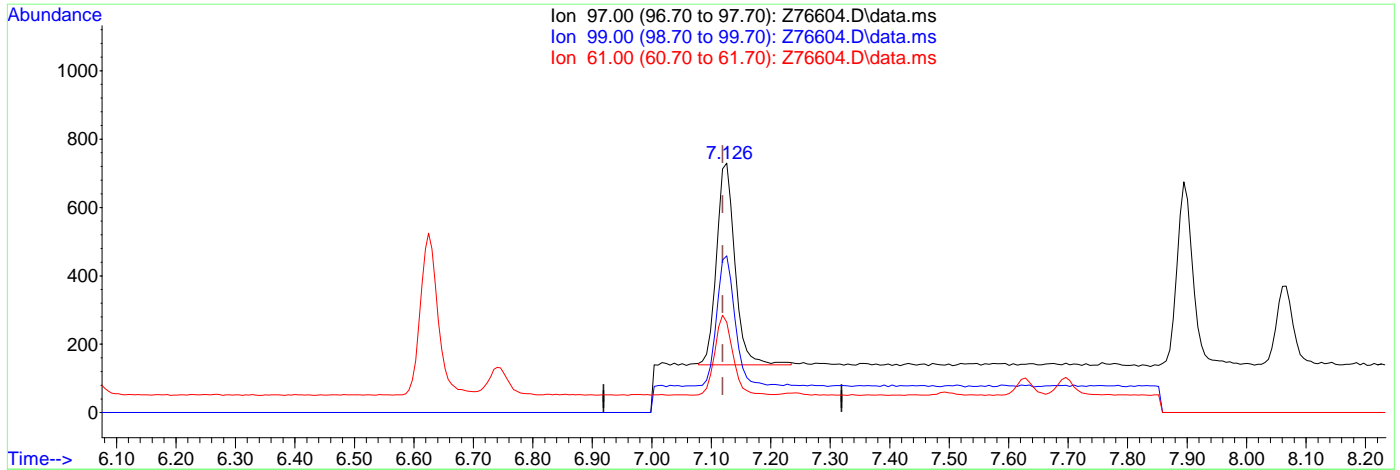
7.6.12.4
7

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\082824\
 Data File : Z76604.D
 Acq On : 28 Aug 2024 8:51 am
 Operator : claudias
 Sample : IC3084-2
 Misc : MS57344,VZ3084,,,,,
 ALS Vial : 4 Sample Multiplier: 1

Inst : MSVOA15-Z

Quant Time: Aug 28 09:15:52 2024
 Quant Method : C:\msdchem\1\methods\SIMCL-08-26-2024.M
 Quant Title : Standard Methods 6200B
 QLast Update : Mon Aug 26 13:08:06 2024
 Response via : Initial Calibration



(11) 1,1,1-Trichloroethane ()

7.126min (+0.007) 0.43ug/L m

response 1268

Ion	Exp%	Act%
97.00	100	100
99.00	64.80	62.88
61.00	33.90	36.16
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\082824\
 Data File : Z76605.D
 Acq On : 28 Aug 2024 9:24 am
 Operator : claudias
 Sample : IC3084-3 Inst : MSVOA15-Z
 Misc : MS57344,VZ3084,,,,,
 ALS Vial : 5 Sample Multiplier: 1

Quant Time: Aug 28 09:44:27 2024
 Quant Method : C:\msdchem\1\methods\SIMCL-08-26-2024.M
 Quant Title : Standard Methods 6200B
 QLast Update : Mon Aug 26 13:08:06 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	

Internal Standards							
1) Fluorobenzene	7.895	96	17109	5.00	ug/L	0.00	
18) Chlorobenzene-d5	10.975	117	18056	5.00	ug/L	0.00	
System Monitoring Compounds							
13) 1,2-Dichloroethane-d4	7.621	65	5580	3.81	ug/L	0.00	
Spiked Amount	5.000	Range 74 - 125	Recovery	=	76.20%		
19) Toluene-d8	9.428	98	20074	6.85	ug/L	0.00	
Spiked Amount	5.000	Range 88 - 111	Recovery	=	137.00%#		
Target Compounds							
							Qvalue
2) Vinyl Chloride	3.184	62	3807	1.87	ug/L		95
3) Chloromethane	3.129	50	4138	1.52	ug/L		98
4) 1,1-Dichloroethene	4.562	61	4077	1.51	ug/L		98
5) Methylene Chloride	5.208	49	6955	1.94	ug/L		96
6) trans-1,2-Dichloroethene	5.384	61	3886	1.48	ug/L		95
7) 1,1-Dichloroethane	6.059	63	5059	1.42	ug/L		100
8) cis-1,2-Dichloroethene	6.625	96	3101	1.72	ug/L		99
9) Chloroform	6.878	83	7182	1.85	ug/L		97
10) Carbon Tetrachloride	7.051	117	4748	1.76	ug/L		96
11) 1,1,1-Trichloroethane	7.119	97	5278	1.76	ug/L		97
12) Benzene	7.493	78	9612	1.78	ug/L		94
14) 1,2-Dichloroethane	7.689	62	3720	1.42	ug/L		94
15) Trichloroethene	8.061	95	2673	1.67	ug/L		93
16) 1,2-Dichloropropane	8.582	63	2618	1.66	ug/L		92
17) cis-1,3-Dichloropropene	9.240	75	4076	2.73	ug/L		91
20) trans-1,3-Dichloropropene	9.874	75	3710	3.00	ug/L		94
21) Tetrachloroethene	9.869	166	2773	1.87	ug/L #		91
22) 1,4-Dichlorobenzene	13.354	146	6062	1.78	ug/L		92
23) 1,2-Dibromo-3-Chloropr...	14.521	75	827	2.74	ug/L		83

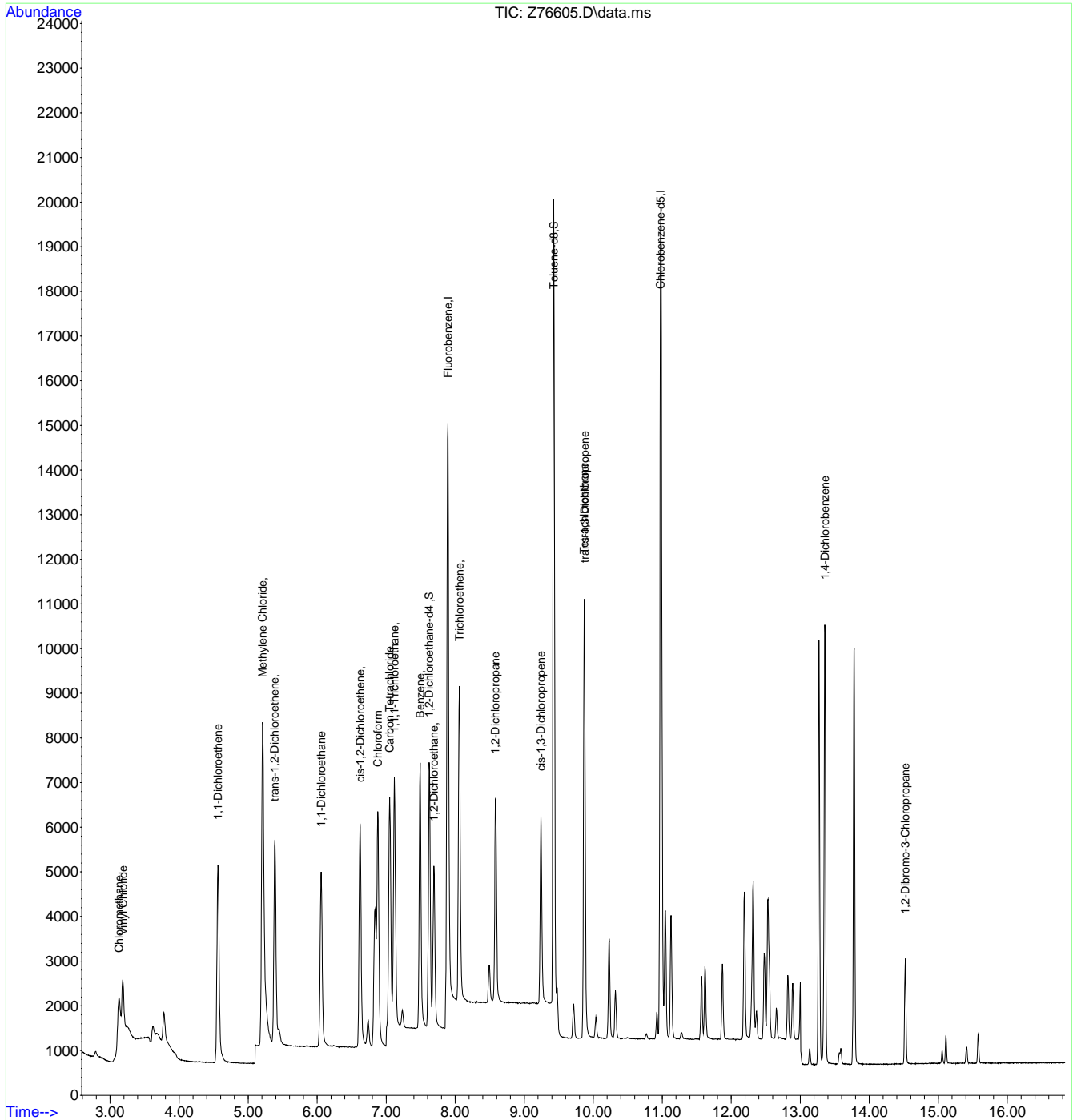
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\082824\
 Data File : Z76605.D
 Acq On : 28 Aug 2024 9:24 am
 Operator : claudias
 Sample : IC3084-3
 Misc : MS57344,VZ3084,,,,,
 ALS Vial : 5 Sample Multiplier: 1

Inst : MSVOA15-Z

Quant Time: Aug 28 09:44:27 2024
 Quant Method : C:\msdchem\1\methods\SIMCL-08-26-2024.M
 Quant Title : Standard Methods 6200B
 QLast Update : Mon Aug 26 13:08:06 2024
 Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\082824\
 Data File : Z76606.D
 Acq On : 28 Aug 2024 9:47 am
 Operator : claudias
 Sample : IC3084-4 Inst : MSVOA15-Z
 Misc : MS57344,VZ3084,,,,,
 ALS Vial : 6 Sample Multiplier: 1

Quant Time: Aug 28 10:16:43 2024
 Quant Method : C:\msdchem\1\methods\SIMCL-08-26-2024.M
 Quant Title : Standard Methods 6200B
 QLast Update : Mon Aug 26 13:08:06 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	

Internal Standards							
1) Fluorobenzene	7.895	96	17386	5.00	ug/L	0.00	
18) Chlorobenzene-d5	10.980	117	18190	5.00	ug/L	0.00	
System Monitoring Compounds							
13) 1,2-Dichloroethane-d4	7.628	65	5389	3.62	ug/L	0.00	
Spiked Amount	5.000	Range 74 - 125	Recovery	=	72.40%#		
19) Toluene-d8	9.428	98	20073	6.80	ug/L	0.00	
Spiked Amount	5.000	Range 88 - 111	Recovery	=	136.00%#		
Target Compounds							
							Qvalue
2) Vinyl Chloride	3.192	62	8752	4.23	ug/L		97
3) Chloromethane	3.133	50	9782	3.54	ug/L		98
4) 1,1-Dichloroethene	4.566	61	10002	3.73	ug/L		98
5) Methylene Chloride	5.213	49	12634	3.58	ug/L		97
6) trans-1,2-Dichloroethene	5.389	61	9518	3.63	ug/L		96
7) 1,1-Dichloroethane	6.059	63	12642	3.58	ug/L		100
8) cis-1,2-Dichloroethene	6.625	96	7691	4.28	ug/L		96
9) Chloroform	6.883	83	15084	3.95	ug/L		97
10) Carbon Tetrachloride	7.058	117	10818	4.07	ug/L		98
11) 1,1,1-Trichloroethane	7.126	97	12294	4.15	ug/L		97
12) Benzene	7.493	78	24297	4.49	ug/L		95
14) 1,2-Dichloroethane	7.696	62	9391	3.63	ug/L		95
15) Trichloroethene	8.061	95	6734	4.17	ug/L		92
16) 1,2-Dichloropropane	8.588	63	6797	4.27	ug/L		93
17) cis-1,3-Dichloropropene	9.246	75	10532	6.63	ug/L		96
20) trans-1,3-Dichloropropene	9.874	75	9485	6.99	ug/L		94
21) Tetrachloroethene	9.874	166	6789	4.54	ug/L #		94
22) 1,4-Dichlorobenzene	13.354	146	15890	4.63	ug/L		94
23) 1,2-Dibromo-3-Chloropr...	14.520	75	2147	6.99	ug/L		83

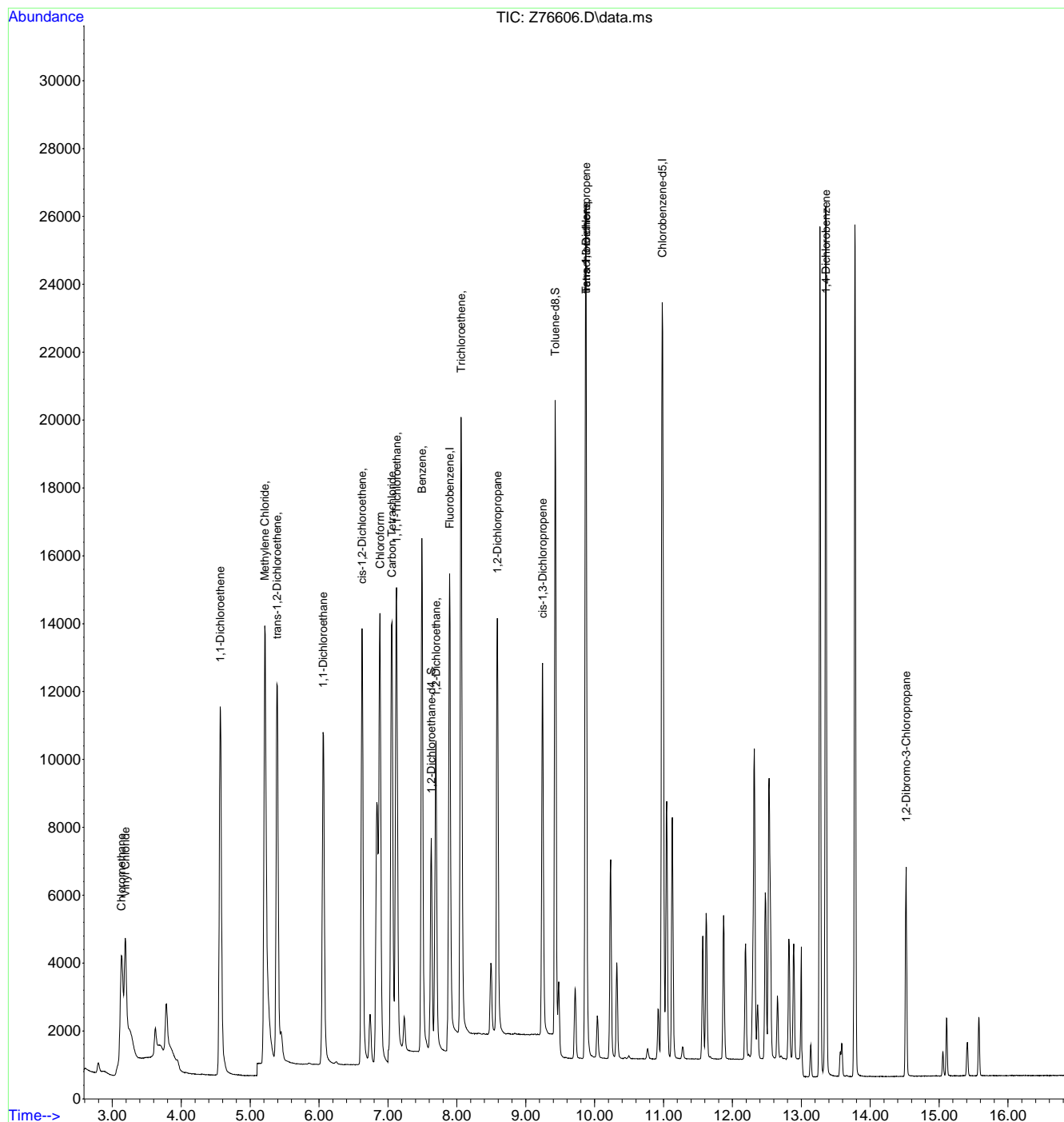
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\082824\
 Data File : Z76606.D
 Acq On : 28 Aug 2024 9:47 am
 Operator : claudias
 Sample : IC3084-4
 Misc : MS57344,VZ3084,,,,,
 ALS Vial : 6 Sample Multiplier: 1

Inst : MSVOA15-Z

Quant Time: Aug 28 10:16:43 2024
 Quant Method : C:\msdchem\1\methods\SIMCL-08-26-2024.M
 Quant Title : Standard Methods 6200B
 QLast Update : Mon Aug 26 13:08:06 2024
 Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\082824\
 Data File : Z76607.D
 Acq On : 28 Aug 2024 10:10 am
 Operator : claudias
 Sample : ICC3084-5 Inst : MSVOA15-Z
 Misc : MS57344,VZ3084,,,,,
 ALS Vial : 7 Sample Multiplier: 1

Quant Time: Aug 28 10:28:32 2024
 Quant Method : C:\msdchem\1\methods\SIMCL-08-26-2024.M
 Quant Title : Standard Methods 6200B
 QLast Update : Mon Aug 26 13:08:06 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	

Internal Standards							
1) Fluorobenzene	7.894	96	18387	5.00	ug/L	0.00	
18) Chlorobenzene-d5	10.980	117	18425	5.00	ug/L	0.00	
System Monitoring Compounds							
13) 1,2-Dichloroethane-d4	7.628	65	5426	3.44	ug/L	0.00	
Spiked Amount	5.000	Range 74 - 125	Recovery	=	68.80%#		
19) Toluene-d8	9.428	98	20516	6.86	ug/L	0.00	
Spiked Amount	5.000	Range 88 - 111	Recovery	=	137.20%#		
Target Compounds							
							Qvalue
2) Vinyl Chloride	3.188	62	17613	8.06	ug/L		100
3) Chloromethane	3.133	50	20236	6.92	ug/L		98
4) 1,1-Dichloroethene	4.566	61	19367	7.06	ug/L		98
5) Methylene Chloride	5.213	49	22107	6.25	ug/L		96
6) trans-1,2-Dichloroethene	5.389	61	18666	6.95	ug/L		96
7) 1,1-Dichloroethane	6.059	63	24610	6.86	ug/L		100
8) cis-1,2-Dichloroethene	6.625	96	15116	8.15	ug/L		95
9) Chloroform	6.883	83	27829	7.23	ug/L		97
10) Carbon Tetrachloride	7.058	117	20386	7.64	ug/L		98
11) 1,1,1-Trichloroethane	7.126	97	22799	7.57	ug/L		97
12) Benzene	7.492	78	49059	8.72	ug/L		95
14) 1,2-Dichloroethane	7.696	62	18289	6.98	ug/L		95
15) Trichloroethene	8.060	95	13705	8.12	ug/L		92
16) 1,2-Dichloropropane	8.588	63	13638	8.22	ug/L		93
17) cis-1,3-Dichloropropene	9.246	75	21468	12.03	ug/L		96
20) trans-1,3-Dichloropropene	9.874	75	19329	12.60	ug/L		94
21) Tetrachloroethene	9.874	166	13326	8.74	ug/L #		94
22) 1,4-Dichlorobenzene	13.354	146	31554	9.05	ug/L		95
23) 1,2-Dibromo-3-Chloropr...	14.517	75	4029	12.79	ug/L #		77

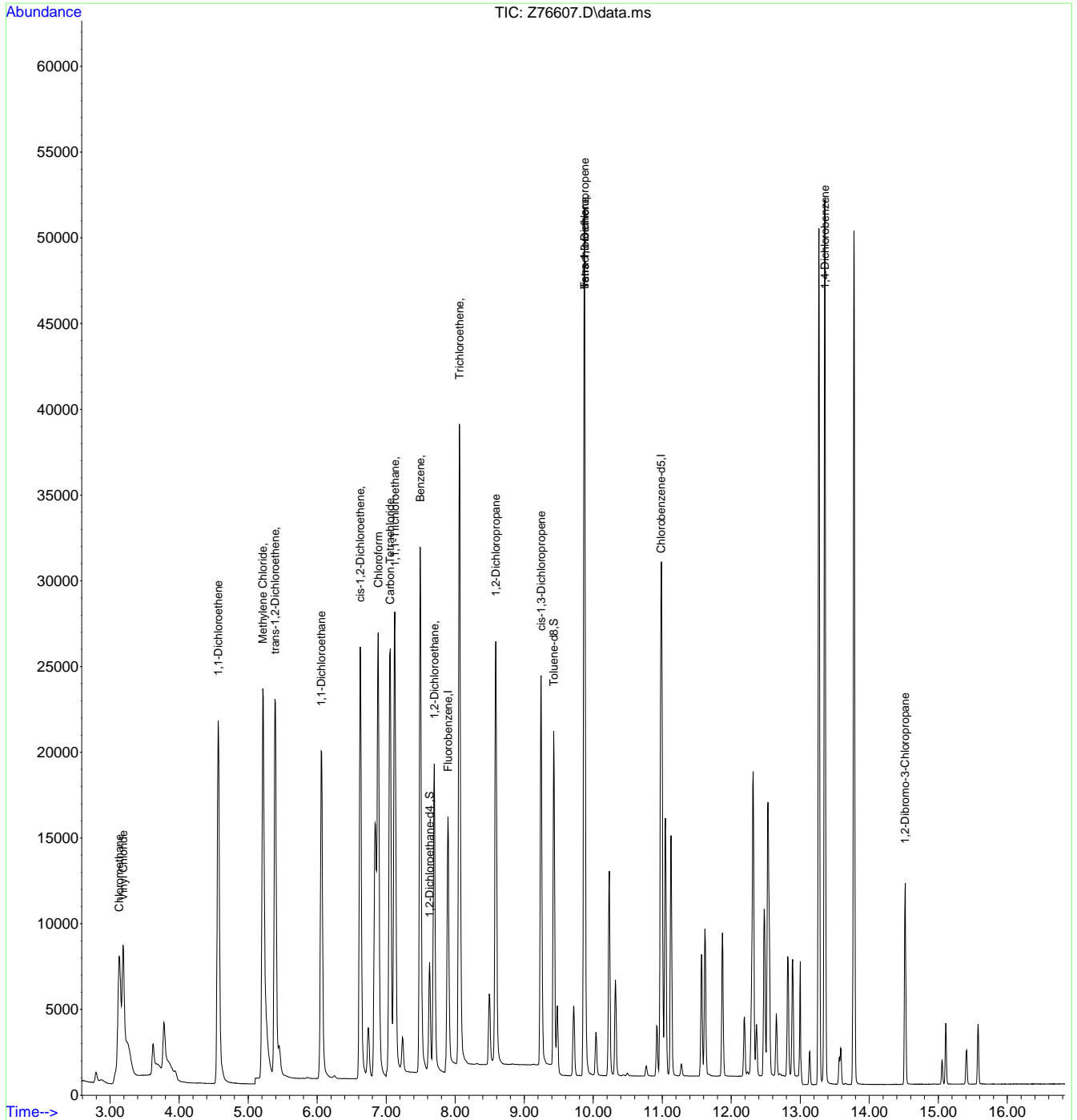
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\082824\
 Data File : Z76607.D
 Acq On : 28 Aug 2024 10:10 am
 Operator : claudias
 Sample : ICC3084-5
 Misc : MS57344,VZ3084,,,,,
 ALS Vial : 7 Sample Multiplier: 1

Inst : MSVOA15-Z

Quant Time: Aug 28 10:28:32 2024
 Quant Method : C:\msdchem\1\methods\SIMCL-08-26-2024.M
 Quant Title : Standard Methods 6200B
 QLast Update : Mon Aug 26 13:08:06 2024
 Response via : Initial Calibration



7.6.15
7



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\082824\
 Data File : Z76608.D
 Acq On : 28 Aug 2024 10:33 am
 Operator : claudias
 Sample : IC3084-6 Inst : MSVOA15-Z
 Misc : MS57344,VZ3084,,,,,
 ALS Vial : 8 Sample Multiplier: 1

Quant Time: Aug 28 10:56:38 2024
 Quant Method : C:\msdchem\1\methods\SIMCL-08-26-2024.M
 Quant Title : Standard Methods 6200B
 QLast Update : Mon Aug 26 13:08:06 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	

Internal Standards							
1) Fluorobenzene	7.895	96	19075	5.00	ug/L	0.00	
18) Chlorobenzene-d5	10.981	117	18623	5.00	ug/L	0.00	
System Monitoring Compounds							
13) 1,2-Dichloroethane-d4	7.628	65	5553	3.40	ug/L	0.00	
Spiked Amount	5.000	Range 74 - 125	Recovery	=	68.00%#		
19) Toluene-d8	9.429	98	20707	6.85	ug/L	0.00	
Spiked Amount	5.000	Range 88 - 111	Recovery	=	137.00%#		
Target Compounds							
							Qvalue
2) Vinyl Chloride	3.188	62	25840	11.40	ug/L		100
3) Chloromethane	3.133	50	29834	9.84	ug/L		99
4) 1,1-Dichloroethene	4.562	61	29746	10.86	ug/L		97
5) Methylene Chloride	5.213	49	31859	9.27	ug/L		97
6) trans-1,2-Dichloroethene	5.389	61	28992	10.82	ug/L		98
7) 1,1-Dichloroethane	6.059	63	38212	10.82	ug/L		100
8) cis-1,2-Dichloroethene	6.625	96	23568	12.64	ug/L		97
9) Chloroform	6.883	83	42304	11.30	ug/L		98
10) Carbon Tetrachloride	7.051	117	31222	12.11	ug/L		99
11) 1,1,1-Trichloroethane	7.126	97	35849	12.13	ug/L		97
12) Benzene	7.493	78	78789	13.79	ug/L		95
14) 1,2-Dichloroethane	7.696	62	28511	11.10	ug/L		95
15) Trichloroethene	8.061	95	22084	12.79	ug/L		92
16) 1,2-Dichloropropane	8.588	63	21809	12.87	ug/L		92
17) cis-1,3-Dichloropropene	9.241	75	34624	17.63	ug/L		91
20) trans-1,3-Dichloropropene	9.874	75	31427	18.32	ug/L		94
21) Tetrachloroethene	9.874	166	20947	13.52	ug/L #		94
22) 1,4-Dichlorobenzene	13.354	146	49500	14.00	ug/L		95
23) 1,2-Dibromo-3-Chloropr...	14.521	75	6212	19.22	ug/L		84

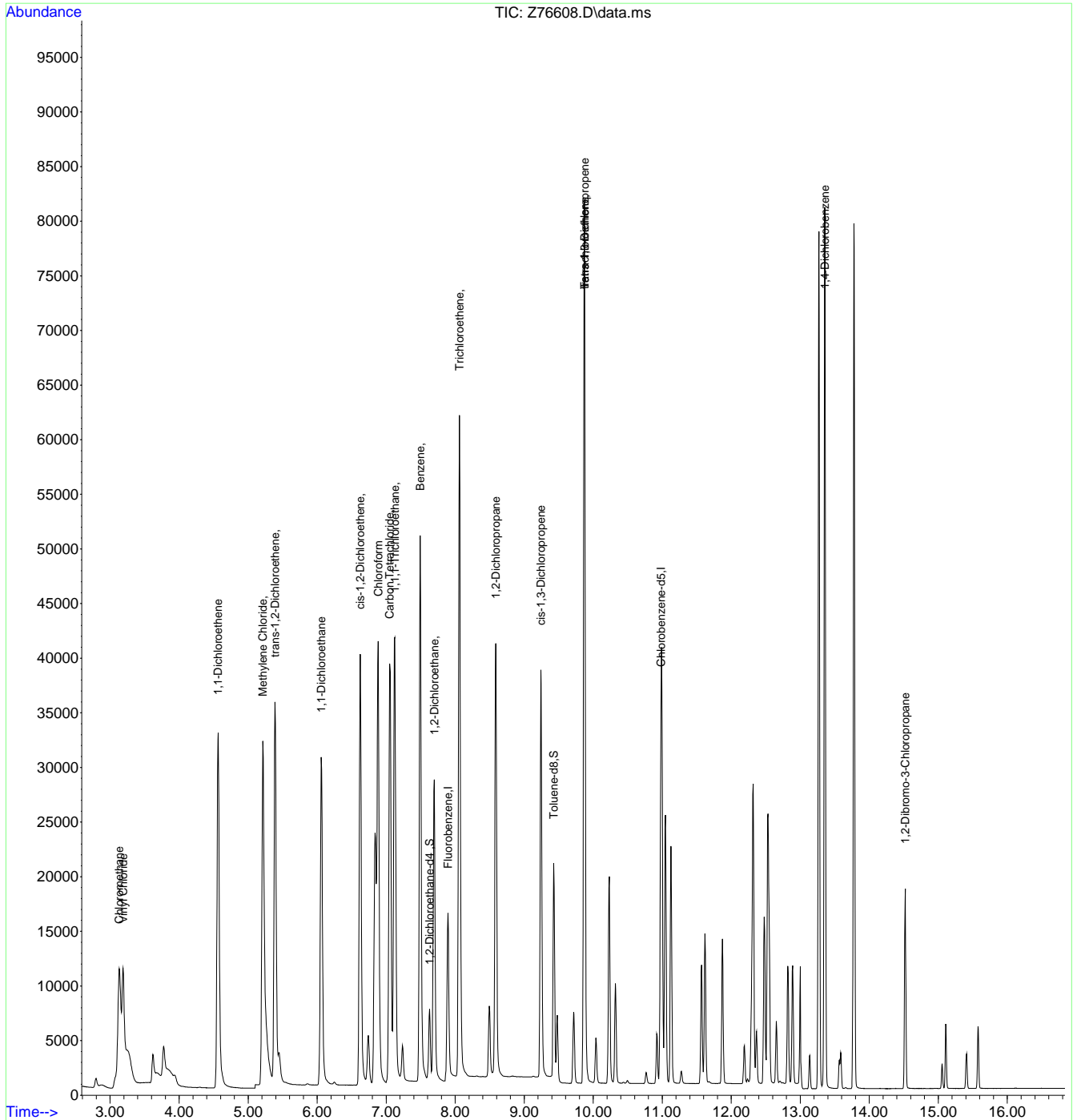
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\082824\
 Data File : Z76608.D
 Acq On : 28 Aug 2024 10:33 am
 Operator : claudias
 Sample : IC3084-6
 Misc : MS57344,VZ3084,,,,,
 ALS Vial : 8 Sample Multiplier: 1

Inst : MSVOA15-Z

Quant Time: Aug 28 10:56:38 2024
 Quant Method : C:\msdchem\1\methods\SIMCL-08-26-2024.M
 Quant Title : Standard Methods 6200B
 QLast Update : Mon Aug 26 13:08:06 2024
 Response via : Initial Calibration



7.6.16
7



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\082824\
 Data File : Z76609.D
 Acq On : 28 Aug 2024 10:57 am
 Operator : claudias
 Sample : IC3084-7 Inst : MSVOA15-Z
 Misc : MS57344,VZ3084,,,,,
 ALS Vial : 9 Sample Multiplier: 1

Quant Time: Aug 28 11:14:06 2024
 Quant Method : C:\msdchem\1\methods\SIMCL-08-26-2024.M
 Quant Title : Standard Methods 6200B
 QLast Update : Mon Aug 26 13:08:06 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Fluorobenzene	7.895	96	19854	5.00	ug/L	0.00
18) Chlorobenzene-d5	10.980	117	19130	5.00	ug/L	0.00
System Monitoring Compounds						
13) 1,2-Dichloroethane-d4	7.628	65	5670	3.33	ug/L	0.00
Spiked Amount	5.000	Range 74 - 125	Recovery	=	66.60%#	
19) Toluene-d8	9.428	98	21351	6.88	ug/L	0.00
Spiked Amount	5.000	Range 88 - 111	Recovery	=	137.60%#	
Target Compounds						
						Qvalue
2) Vinyl Chloride	3.188	62	34546	14.64	ug/L	99
3) Chloromethane	3.133	50	39712	12.58	ug/L	99
4) 1,1-Dichloroethene	4.566	61	38127	13.78	ug/L	99
5) Methylene Chloride	5.213	49	39652	11.72	ug/L	97
6) trans-1,2-Dichloroethene	5.389	61	37250	13.77	ug/L	97
7) 1,1-Dichloroethane	6.059	63	49250	13.99	ug/L	100
8) cis-1,2-Dichloroethene	6.625	96	30314	15.99	ug/L	97
9) Chloroform	6.883	83	53897	14.61	ug/L	98
10) Carbon Tetrachloride	7.051	117	39942	15.86	ug/L	98
11) 1,1,1-Trichloroethane	7.126	97	45992	15.65	ug/L	97
12) Benzene	7.492	78	103044	17.62	ug/L	95
14) 1,2-Dichloroethane	7.696	62	36685	14.40	ug/L	95
15) Trichloroethene	8.061	95	28743	16.16	ug/L	92
16) 1,2-Dichloropropane	8.588	63	28227	16.20	ug/L	93
17) cis-1,3-Dichloropropene	9.246	75	44988	21.23	ug/L	96
20) trans-1,3-Dichloropropene	9.869	75	41051	21.96	ug/L	93
21) Tetrachloroethene	9.874	166	27204	17.02	ug/L #	94
22) 1,4-Dichlorobenzene	13.354	146	63291	17.40	ug/L	95
23) 1,2-Dibromo-3-Chloropr...	14.517	75	7993	23.82	ug/L #	77

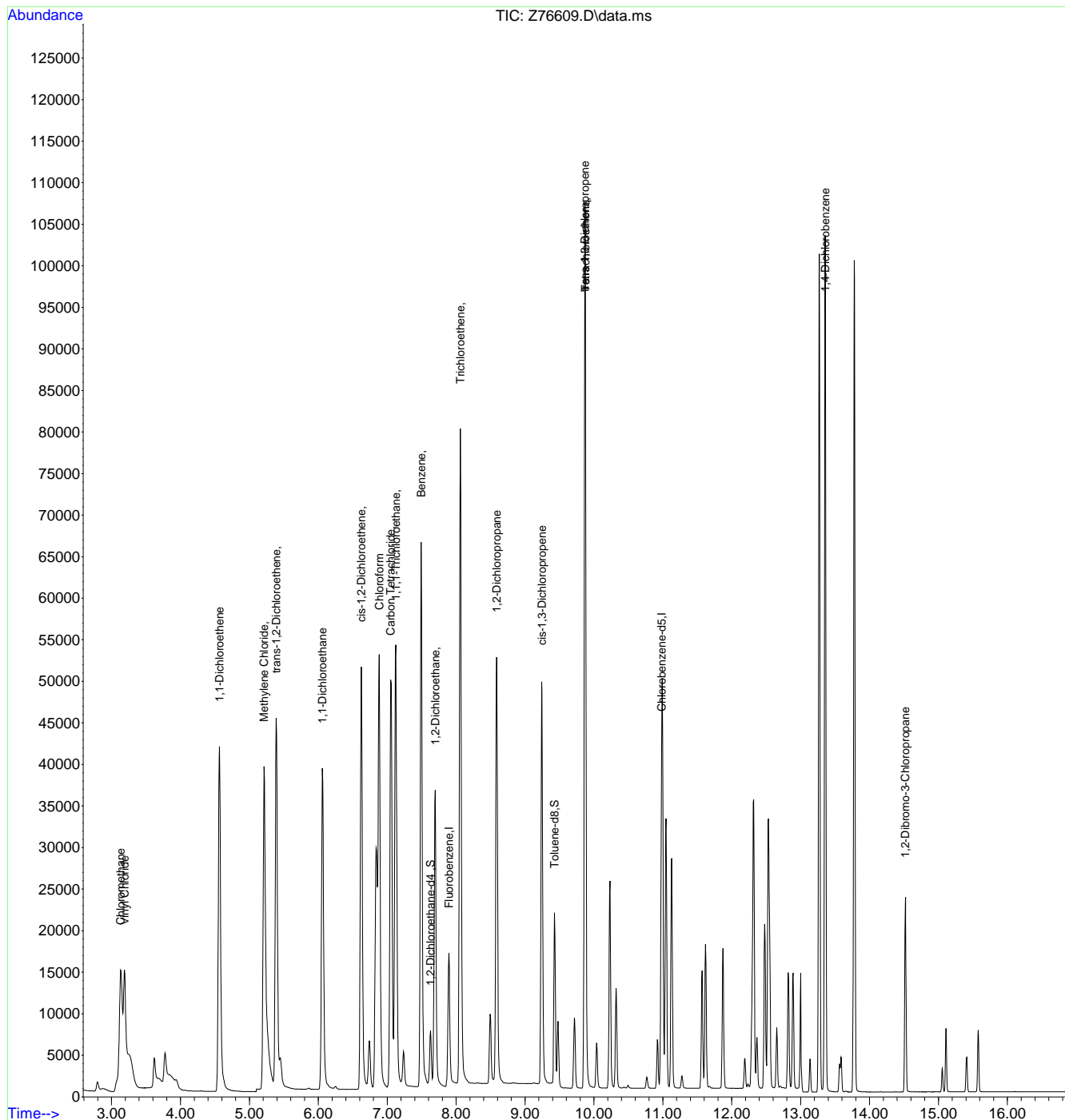
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\082824\
 Data File : Z76609.D
 Acq On : 28 Aug 2024 10:57 am
 Operator : claudias
 Sample : IC3084-7
 Misc : MS57344,VZ3084,,,,,
 ALS Vial : 9 Sample Multiplier: 1

Inst : MSVOA15-Z

Quant Time: Aug 28 11:14:06 2024
 Quant Method : C:\msdchem\1\methods\SIMCL-08-26-2024.M
 Quant Title : Standard Methods 6200B
 QLast Update : Mon Aug 26 13:08:06 2024
 Response via : Initial Calibration



7.6.17
7



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\082824\
 Data File : Z76611.D
 Acq On : 28 Aug 2024 11:43 am
 Operator : claudias
 Sample : icv3084-5 Inst : MSVOA15-Z
 Misc : MS57344,VZ3084,,,,,
 ALS Vial : 11 Sample Multiplier: 1

Quant Time: Aug 28 12:04:53 2024
 Quant Method : C:\msdchem\1\methods\SIMCL-08-28-2024.M
 Quant Title : Standard Methods 6200B
 QLast Update : Wed Aug 28 11:30:23 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	

Internal Standards							
1) Fluorobenzene	7.895	96	19205	5.00	ug/L	0.00	
18) Chlorobenzene-d5	10.980	117	19116	5.00	ug/L	0.00	
System Monitoring Compounds							
13) 1,2-Dichloroethane-d4	7.628	65	5603	4.82	ug/L	0.00	
Spiked Amount	5.000	Range 74 - 125	Recovery	=	96.40%		
19) Toluene-d8	9.428	98	21232	4.98	ug/L	0.00	
Spiked Amount	5.000	Range 88 - 111	Recovery	=	99.60%		
Target Compounds							
							Qvalue
2) Vinyl Chloride	3.188	62	15478	8.26	ug/L		99
3) Chloromethane	3.133	50	17429	8.15	ug/L		98
4) 1,1-Dichloroethene	4.566	61	21016	10.15	ug/L		99
5) Methylene Chloride	5.213	49	24313	10.02	ug/L		97
6) trans-1,2-Dichloroethene	5.389	61	20777	10.43	ug/L		98
7) 1,1-Dichloroethane	6.059	63	26656	10.76	ug/L		100
8) cis-1,2-Dichloroethene	6.625	96	16641	10.30	ug/L		97
9) Chloroform	6.883	83	30040	9.93	ug/L		98
10) Carbon Tetrachloride	7.051	117	22215	9.92	ug/L		98
11) 1,1,1-Trichloroethane	7.126	97	25363	10.21	ug/L		97
12) Benzene	7.492	78	54941	9.87	ug/L		95
14) 1,2-Dichloroethane	7.696	62	20330	10.40	ug/L		95
15) Trichloroethene	8.061	95	15602	10.63	ug/L		92
16) 1,2-Dichloropropane	8.588	63	15371	10.07	ug/L		93
17) cis-1,3-Dichloropropene	9.240	75	23259	10.10	ug/L		90
20) trans-1,3-Dichloropropene	9.874	75	19446	9.42	ug/L		94
21) Tetrachloroethene	9.874	166	14896	10.51	ug/L #		93
22) 1,4-Dichlorobenzene	13.354	146	34574	10.64	ug/L		95
23) 1,2-Dibromo-3-Chloropr...	14.520	75	4363	10.15	ug/L		83

(#) = qualifier out of range (m) = manual integration (+) = signals summed



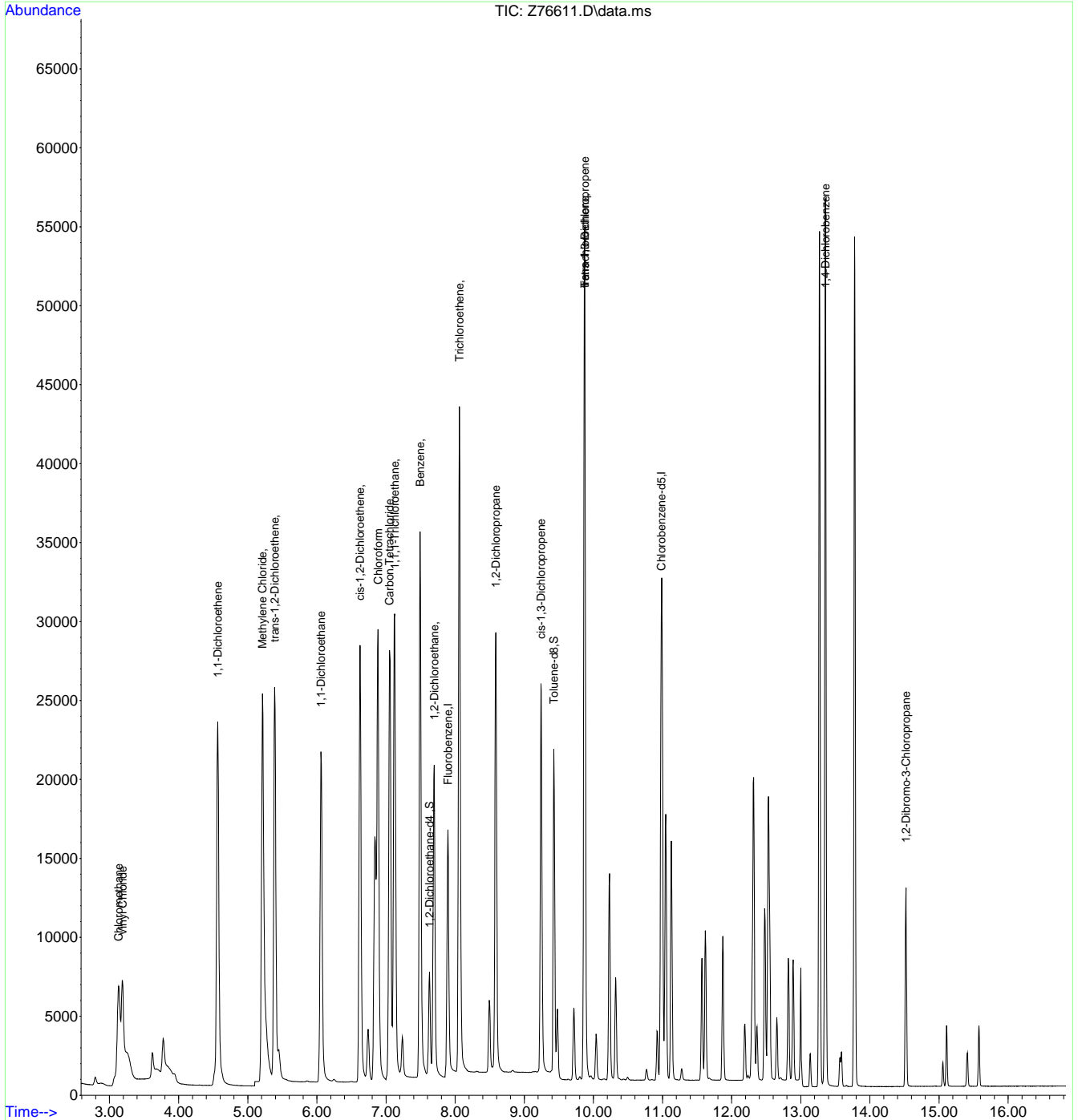
7.6.18
7

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\082824\
 Data File : Z76611.D
 Acq On : 28 Aug 2024 11:43 am
 Operator : claudias
 Sample : icv3084-5
 Misc : MS57344,VZ3084,,,,,
 ALS Vial : 11 Sample Multiplier: 1

Inst : MSVOA15-Z

Quant Time: Aug 28 12:04:53 2024
 Quant Method : C:\msdchem\1\methods\SIMCL-08-28-2024.M
 Quant Title : Standard Methods 6200B
 QLast Update : Wed Aug 28 11:30:23 2024
 Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\083024\
 Data File : Z76669.D
 Acq On : 30 Aug 2024 7:30 am
 Operator : claudias
 Sample : cc3084-5 Inst : MSVOA15-Z
 Misc : MS57380,VZ3087,,,,,
 ALS Vial : 2 Sample Multiplier: 1

Quant Time: Aug 30 07:48:46 2024
 Quant Method : C:\msdchem\1\methods\SIMCL-08-28-2024.M
 Quant Title : Standard Methods 6200B
 QLast Update : Wed Aug 28 11:30:23 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	

Internal Standards							
1) Fluorobenzene	7.889	96	20320	5.00	ug/L	0.00	
18) Chlorobenzene-d5	10.975	117	21961	5.00	ug/L	0.00	
System Monitoring Compounds							
13) 1,2-Dichloroethane-d4	7.622	65	6109	4.96	ug/L	0.00	
Spiked Amount	5.000	Range 74 - 125	Recovery	=	99.20%		
19) Toluene-d8	9.423	98	23318	4.76	ug/L	0.00	
Spiked Amount	5.000	Range 88 - 111	Recovery	=	95.20%		
Target Compounds							
							Qvalue
2) Vinyl Chloride	3.184	62	22348	11.65	ug/L		99
3) Chloromethane	3.116	50	26459	12.11	ug/L		99
4) 1,1-Dichloroethene	4.557	61	24883	11.53	ug/L		97
5) Methylene Chloride	5.208	49	27297	10.82	ug/L		96
6) trans-1,2-Dichloroethene	5.384	61	23848	11.42	ug/L		98
7) 1,1-Dichloroethane	6.054	63	30854	11.77	ug/L		100
8) cis-1,2-Dichloroethene	6.619	96	18490	10.87	ug/L		95
9) Chloroform	6.878	83	32649	10.25	ug/L		98
10) Carbon Tetrachloride	7.051	117	23662	10.00	ug/L		99
11) 1,1,1-Trichloroethane	7.119	97	27997	10.71	ug/L		97
12) Benzene	7.486	78	58890	10.00	ug/L		96
14) 1,2-Dichloroethane	7.689	62	21902	10.61	ug/L		94
15) Trichloroethene	8.055	95	15802	10.15	ug/L		90
16) 1,2-Dichloropropane	8.582	63	16068	9.95	ug/L		92
17) cis-1,3-Dichloropropene	9.240	75	24379	10.00	ug/L		93
20) trans-1,3-Dichloropropene	9.869	75	21759	9.18	ug/L		93
21) Tetrachloroethene	9.869	166	15618	9.56	ug/L #		91
22) 1,4-Dichlorobenzene	13.354	146	37173	9.95	ug/L		95
23) 1,2-Dibromo-3-Chloropr...	14.517	75	4309	8.64	ug/L #		75

(#) = qualifier out of range (m) = manual integration (+) = signals summed

7.6.19
7

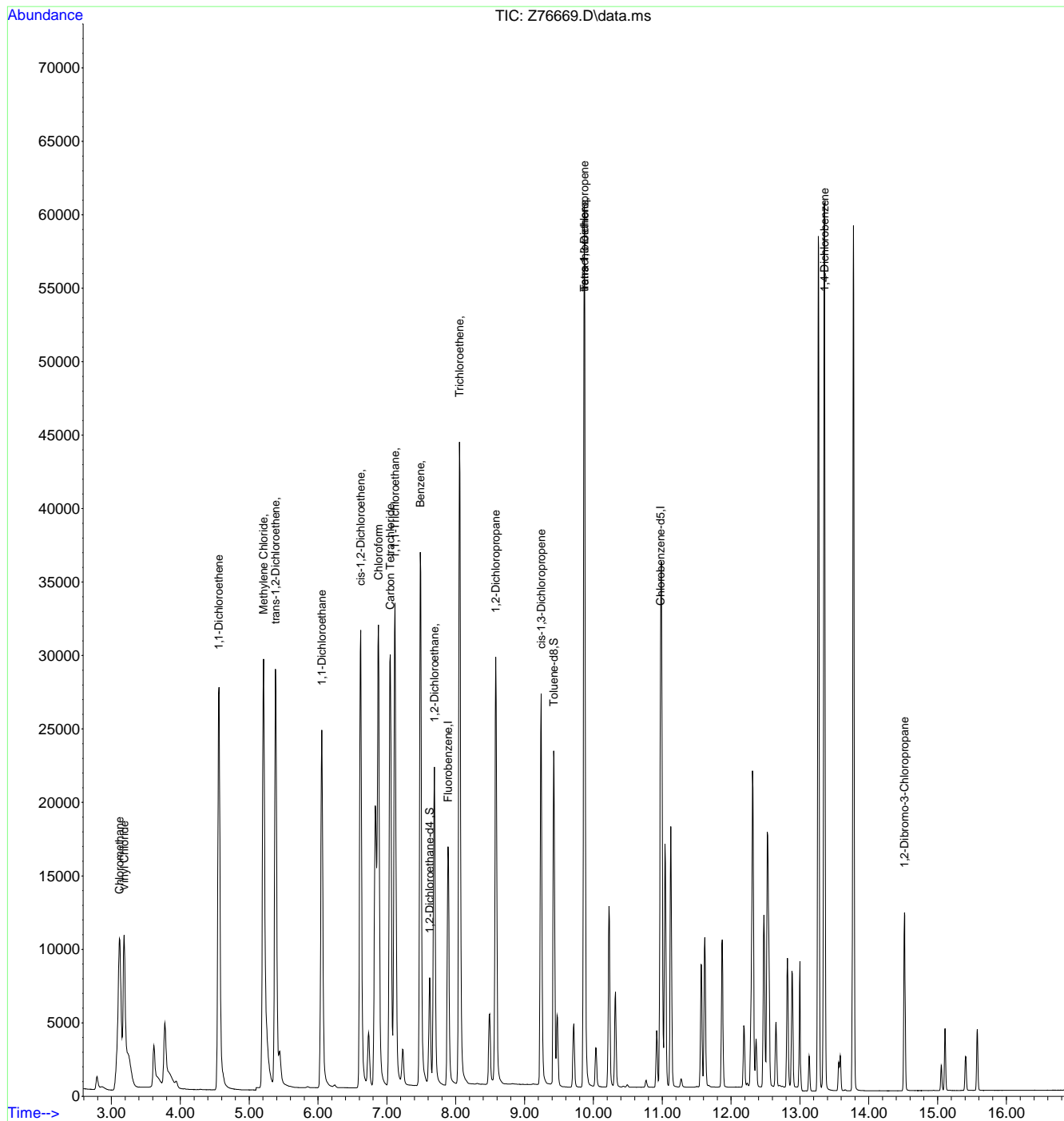


Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\083024\
 Data File : Z76669.D
 Acq On : 30 Aug 2024 7:30 am
 Operator : claudias
 Sample : cc3084-5
 Misc : MS57380,VZ3087,,,,,
 ALS Vial : 2 Sample Multiplier: 1

Inst : MSVOA15-Z

Quant Time: Aug 30 07:48:46 2024
 Quant Method : C:\msdchem\1\methods\SIMCL-08-28-2024.M
 Quant Title : Standard Methods 6200B
 QLast Update : Wed Aug 28 11:30:23 2024
 Response via : Initial Calibration



7.6.19
7



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\083024\
 Data File : Z76695.D
 Acq On : 30 Aug 2024 6:10 pm
 Operator : claudias
 Sample : ECC3084-5 Inst : MSVOA15-Z
 Misc : MS57393,VZ3087,,,,,
 ALS Vial : 28 Sample Multiplier: 1

Quant Time: Sep 03 06:23:15 2024
 Quant Method : C:\msdchem\1\methods\SIMCL-08-28-2024.M
 Quant Title : Standard Methods 6200B
 QLast Update : Wed Aug 28 11:30:23 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	

Internal Standards							
1) Fluorobenzene	7.894	96	21046	5.00	ug/L	0.00	
18) Chlorobenzene-d5	10.980	117	22632	5.00	ug/L	0.00	
System Monitoring Compounds							
13) 1,2-Dichloroethane-d4	7.628	65	6811	5.34	ug/L	0.00	
Spiked Amount	5.000	Range 74 - 125	Recovery	=	106.80%		
19) Toluene-d8	9.428	98	24162	4.79	ug/L	0.00	
Spiked Amount	5.000	Range 88 - 111	Recovery	=	95.80%		
Target Compounds							
							Qvalue
2) Vinyl Chloride	3.188	62	21973	10.99	ug/L		99
3) Chloromethane	3.125	50	26700	11.76	ug/L		99
4) 1,1-Dichloroethene	4.566	61	24989	11.13	ug/L		97
5) Methylene Chloride	5.213	49	40722	19.14	ug/L		94
6) trans-1,2-Dichloroethene	5.389	61	24035	11.08	ug/L		95
7) 1,1-Dichloroethane	6.059	63	31993	11.78	ug/L		100
8) cis-1,2-Dichloroethene	6.625	96	18538	10.49	ug/L		94
9) Chloroform	6.883	83	33080	9.99	ug/L		97
10) Carbon Tetrachloride	7.051	117	22505	9.06	ug/L		98
11) 1,1,1-Trichloroethane	7.126	97	27908	10.26	ug/L		96
12) Benzene	7.492	78	61305	10.05	ug/L		96
14) 1,2-Dichloroethane	7.696	62	23567	11.06	ug/L		94
15) Trichloroethene	8.060	95	16043	9.94	ug/L		90
16) 1,2-Dichloropropane	8.588	63	17175	10.27	ug/L		92
17) cis-1,3-Dichloropropene	9.246	75	24745	9.79	ug/L		93
20) trans-1,3-Dichloropropene	9.874	75	22181	9.08	ug/L		93
21) Tetrachloroethene	9.874	166	14710	8.71	ug/L #		92
22) 1,4-Dichlorobenzene	13.354	146	36008	9.36	ug/L		93
23) 1,2-Dibromo-3-Chloropr...	14.517	75	4590	8.95	ug/L #		67

(#) = qualifier out of range (m) = manual integration (+) = signals summed

7.6.20
7

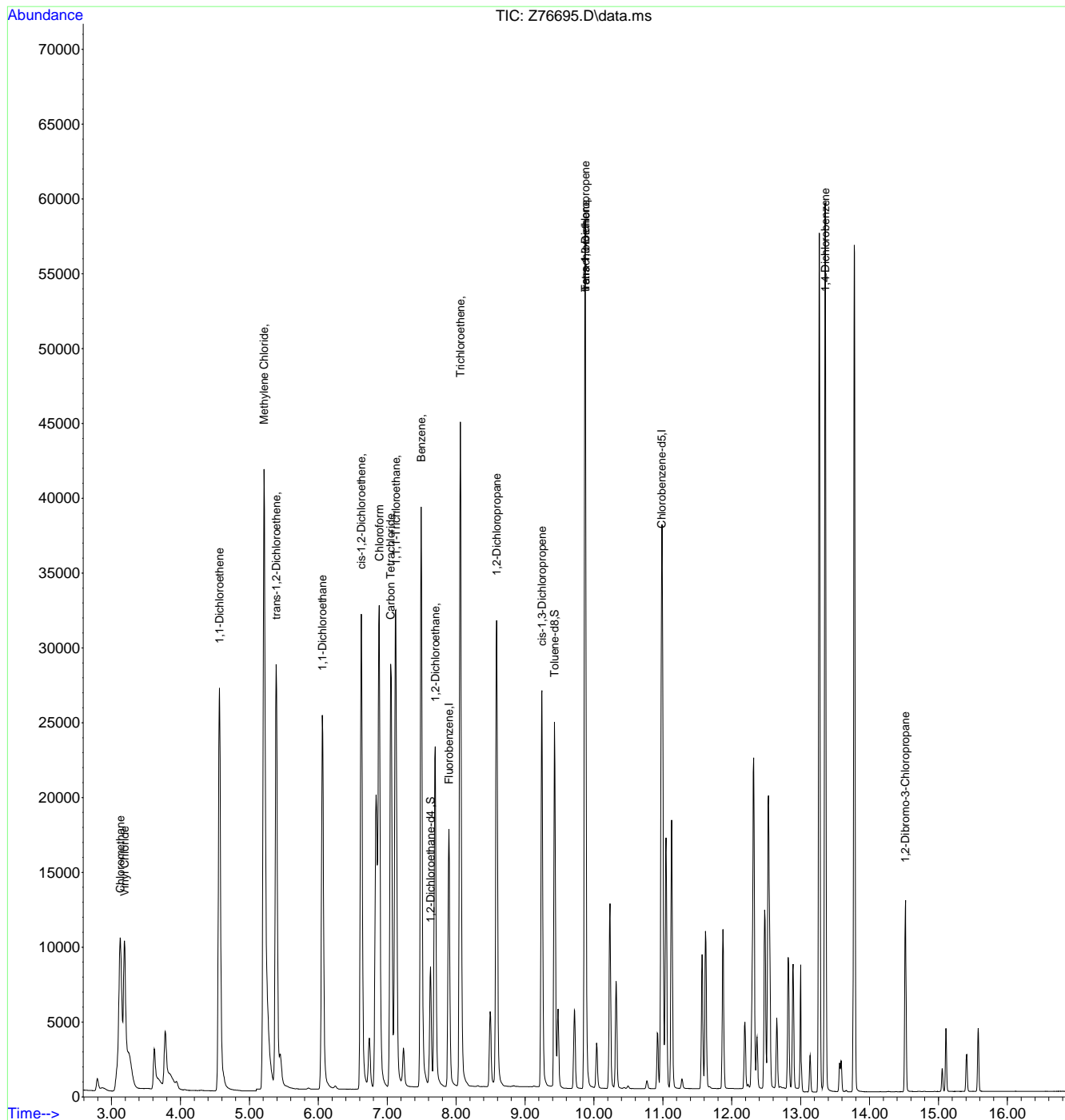


Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\083024\
 Data File : Z76695.D
 Acq On : 30 Aug 2024 6:10 pm
 Operator : claudias
 Sample : ECC3084-5
 Misc : MS57393,VZ3087,,,,,
 ALS Vial : 28 Sample Multiplier: 1

Inst : MSVOA15-Z

Quant Time: Sep 03 06:23:15 2024
 Quant Method : C:\msdchem\1\methods\SIMCL-08-28-2024.M
 Quant Title : Standard Methods 6200B
 QLast Update : Wed Aug 28 11:30:23 2024
 Response via : Initial Calibration



7.6.20
7



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\090324\
 Data File : Z76697.D
 Acq On : 3 Sep 2024 7:30 am
 Operator : claudias
 Sample : cc3084-5 Inst : MSVOA15-Z
 Misc : MS57383,VZ3088,,,,,
 ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 03 07:47:44 2024
 Quant Method : C:\msdchem\1\methods\SIMCL-08-28-2024.M
 Quant Title : Standard Methods 6200B
 QLast Update : Wed Aug 28 11:30:23 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	

Internal Standards							
1) Fluorobenzene	7.888	96	21728	5.00	ug/L	0.00	
18) Chlorobenzene-d5	10.975	117	24332	5.00	ug/L	0.00	
System Monitoring Compounds							
13) 1,2-Dichloroethane-d4	7.621	65	6817	5.18	ug/L	0.00	
Spiked Amount	5.000	Range 74 - 125	Recovery	=	103.60%		
19) Toluene-d8	9.423	98	25118	4.63	ug/L	0.00	
Spiked Amount	5.000	Range 88 - 111	Recovery	=	92.60%		
Target Compounds							
							Qvalue
2) Vinyl Chloride	3.183	62	22722	11.01	ug/L		99
3) Chloromethane	3.116	50	26966	11.48	ug/L		99
4) 1,1-Dichloroethene	4.557	61	26512	11.48	ug/L		97
5) Methylene Chloride	5.208	49	32513	12.53	ug/L		97
6) trans-1,2-Dichloroethene	5.383	61	25824	11.58	ug/L		98
7) 1,1-Dichloroethane	6.053	63	33424	11.92	ug/L		100
8) cis-1,2-Dichloroethene	6.619	96	20048	11.04	ug/L		97
9) Chloroform	6.877	83	35356	10.40	ug/L		98
10) Carbon Tetrachloride	7.044	117	25097	9.91	ug/L		98
11) 1,1,1-Trichloroethane	7.119	97	29898	10.69	ug/L		97
12) Benzene	7.486	78	61870	9.82	ug/L		96
14) 1,2-Dichloroethane	7.689	62	23700	10.75	ug/L		95
15) Trichloroethene	8.055	95	16489	9.89	ug/L		91
16) 1,2-Dichloropropane	8.582	63	16825	9.74	ug/L		92
17) cis-1,3-Dichloropropene	9.240	75	25572	9.80	ug/L		95
20) trans-1,3-Dichloropropene	9.869	75	23024	8.77	ug/L		94
21) Tetrachloroethene	9.869	166	16954	9.36	ug/L #		92
22) 1,4-Dichlorobenzene	13.354	146	40578	9.81	ug/L		95
23) 1,2-Dibromo-3-Chloropr...	14.517	75	4605	8.32	ug/L #		75

(#) = qualifier out of range (m) = manual integration (+) = signals summed

7.6.21
7

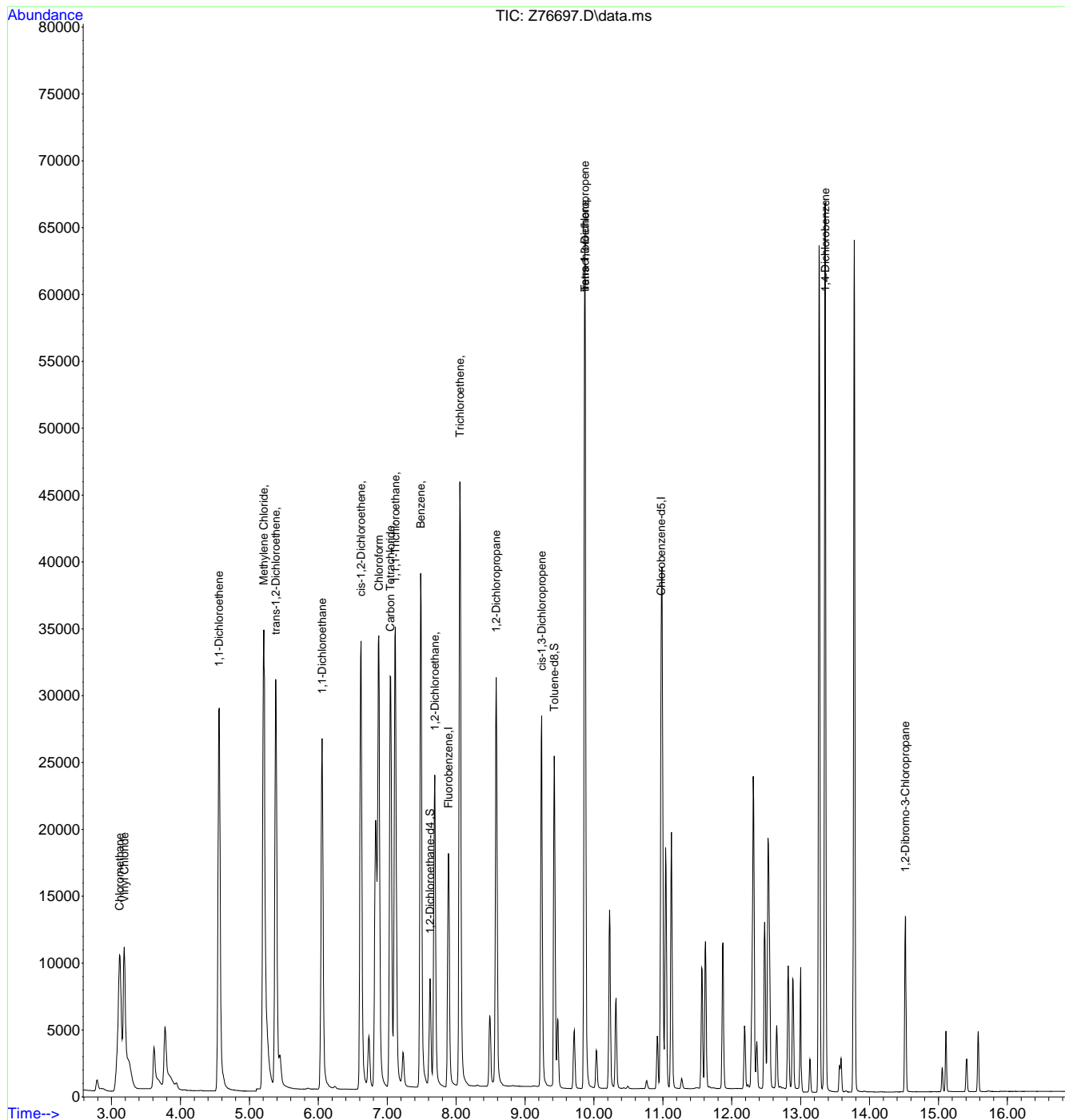


Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\090324\
 Data File : Z76697.D
 Acq On : 3 Sep 2024 7:30 am
 Operator : claudias
 Sample : cc3084-5
 Misc : MS57383,VZ3088,,,,,
 ALS Vial : 2 Sample Multiplier: 1

Inst : MSVOA15-Z

Quant Time: Sep 03 07:47:44 2024
 Quant Method : C:\msdchem\1\methods\SIMCL-08-28-2024.M
 Quant Title : Standard Methods 6200B
 QLast Update : Wed Aug 28 11:30:23 2024
 Response via : Initial Calibration



7.6.21
7



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\090324\
 Data File : Z76723.D
 Acq On : 3 Sep 2024 6:12 pm
 Operator : claudias
 Sample : ECC3084-5 Inst : MSVOA15-Z
 Misc : MS57405,VZ3088,,,,,
 ALS Vial : 28 Sample Multiplier: 1

Quant Time: Sep 04 06:38:14 2024
 Quant Method : C:\msdchem\1\methods\SIMCL-08-28-2024.M
 Quant Title : Standard Methods 6200B
 QLast Update : Wed Aug 28 11:30:23 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	

Internal Standards							
1) Fluorobenzene	7.895	96	19293	5.00	ug/L	0.00	
18) Chlorobenzene-d5	10.975	117	21896	5.00	ug/L	0.00	
System Monitoring Compounds							
13) 1,2-Dichloroethane-d4	7.621	65	6749	5.77	ug/L	0.00	
Spiked Amount	5.000	Range 74 - 125	Recovery	=	115.40%		
19) Toluene-d8	9.428	98	22839	4.68	ug/L	0.00	
Spiked Amount	5.000	Range 88 - 111	Recovery	=	93.60%		
Target Compounds							
							Qvalue
2) Vinyl Chloride	3.184	62	21407	11.77	ug/L		98
3) Chloromethane	3.121	50	25998	12.59	ug/L		99
4) 1,1-Dichloroethene	4.562	61	25652	12.67	ug/L		95
5) Methylene Chloride	5.208	49	39106	21.33	ug/L		91
6) trans-1,2-Dichloroethene	5.384	61	24644	12.57	ug/L		92
7) 1,1-Dichloroethane	6.059	63	32528	13.07	ug/L		100
8) cis-1,2-Dichloroethene	6.625	96	18656	11.64	ug/L		96
9) Chloroform	6.878	83	33610	11.27	ug/L		95
10) Carbon Tetrachloride	7.051	117	21990	9.76	ug/L		98
11) 1,1,1-Trichloroethane	7.119	97	28208	11.45	ug/L		95
12) Benzene	7.493	78	59046	10.56	ug/L		95
14) 1,2-Dichloroethane	7.689	62	23987	12.44	ug/L		93
15) Trichloroethene	8.061	95	15524	10.52	ug/L		90
16) 1,2-Dichloropropane	8.582	63	16688	10.88	ug/L		90
17) cis-1,3-Dichloropropene	9.240	75	23645	10.22	ug/L		89
20) trans-1,3-Dichloropropene	9.869	75	21183	8.96	ug/L		92
21) Tetrachloroethene	9.869	166	14340	8.78	ug/L #		89
22) 1,4-Dichlorobenzene	13.354	146	35900	9.64	ug/L		93
23) 1,2-Dibromo-3-Chloropr...	14.517	75	4332	8.72	ug/L #		65

(#) = qualifier out of range (m) = manual integration (+) = signals summed



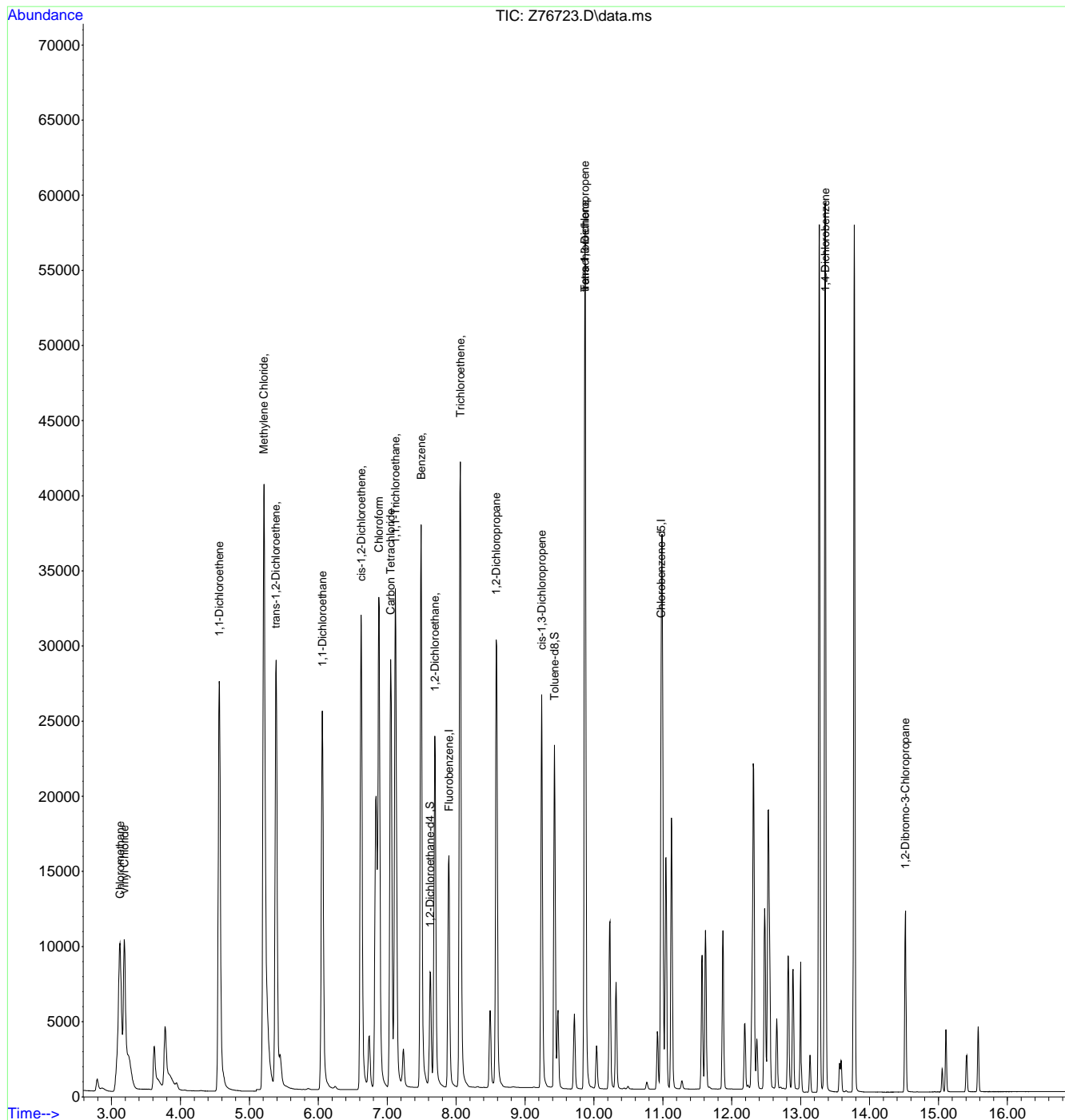
7.6.22
7

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\090324\
 Data File : Z76723.D
 Acq On : 3 Sep 2024 6:12 pm
 Operator : claudias
 Sample : ECC3084-5
 Misc : MS57405,VZ3088,,,,,
 ALS Vial : 28 Sample Multiplier: 1

Inst : MSVOA15-Z

Quant Time: Sep 04 06:38:14 2024
 Quant Method : C:\msdchem\1\methods\SIMCL-08-28-2024.M
 Quant Title : Standard Methods 6200B
 QLast Update : Wed Aug 28 11:30:23 2024
 Response via : Initial Calibration



7.6.22
7



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\090424\
 Data File : Z76725.D
 Acq On : 4 Sep 2024 7:17 am
 Operator : claudias
 Sample : cc3084-5 Inst : MSVOA15-Z
 Misc : MS57405,VZ3089,,,,,
 ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 04 07:33:57 2024
 Quant Method : C:\msdchem\1\methods\SIMCL-08-28-2024.M
 Quant Title : Standard Methods 6200B
 QLast Update : Wed Aug 28 11:30:23 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	

Internal Standards							
1) Fluorobenzene	7.889	96	18987	5.00	ug/L	0.00	
18) Chlorobenzene-d5	10.975	117	21828	5.00	ug/L	0.00	
System Monitoring Compounds							
13) 1,2-Dichloroethane-d4	7.621	65	6337	5.51	ug/L	0.00	
Spiked Amount	5.000	Range 74 - 125	Recovery	=	110.20%		
19) Toluene-d8	9.423	98	22508	4.62	ug/L	0.00	
Spiked Amount	5.000	Range 88 - 111	Recovery	=	92.40%		
Target Compounds							
							Qvalue
2) Vinyl Chloride	3.188	62	21429	12.00	ug/L		99
3) Chloromethane	3.120	50	25741	12.67	ug/L		99
4) 1,1-Dichloroethene	4.561	61	24966	12.51	ug/L		96
5) Methylene Chloride	5.208	49	29544	13.25	ug/L		93
6) trans-1,2-Dichloroethene	5.383	61	24609	12.78	ug/L		94
7) 1,1-Dichloroethane	6.054	63	32473	13.26	ug/L		100
8) cis-1,2-Dichloroethene	6.619	96	19165	12.21	ug/L		93
9) Chloroform	6.877	83	34492	11.85	ug/L		97
10) Carbon Tetrachloride	7.051	117	22604	10.26	ug/L		99
11) 1,1,1-Trichloroethane	7.119	97	28280	11.70	ug/L		96
12) Benzene	7.486	78	59098	10.74	ug/L		97
14) 1,2-Dichloroethane	7.689	62	23981	12.66	ug/L		94
15) Trichloroethene	8.055	95	15748	10.86	ug/L		88
16) 1,2-Dichloropropane	8.582	63	16827	11.15	ug/L		92
17) cis-1,3-Dichloropropene	9.240	75	24888	10.97	ug/L		92
20) trans-1,3-Dichloropropene	9.869	75	22325	9.47	ug/L		93
21) Tetrachloroethene	9.869	166	15060	9.26	ug/L #		90
22) 1,4-Dichlorobenzene	13.354	146	38464	10.36	ug/L		94
23) 1,2-Dibromo-3-Chloropr...	14.517	75	4366	8.82	ug/L #		70

(#) = qualifier out of range (m) = manual integration (+) = signals summed

7.6.23
7

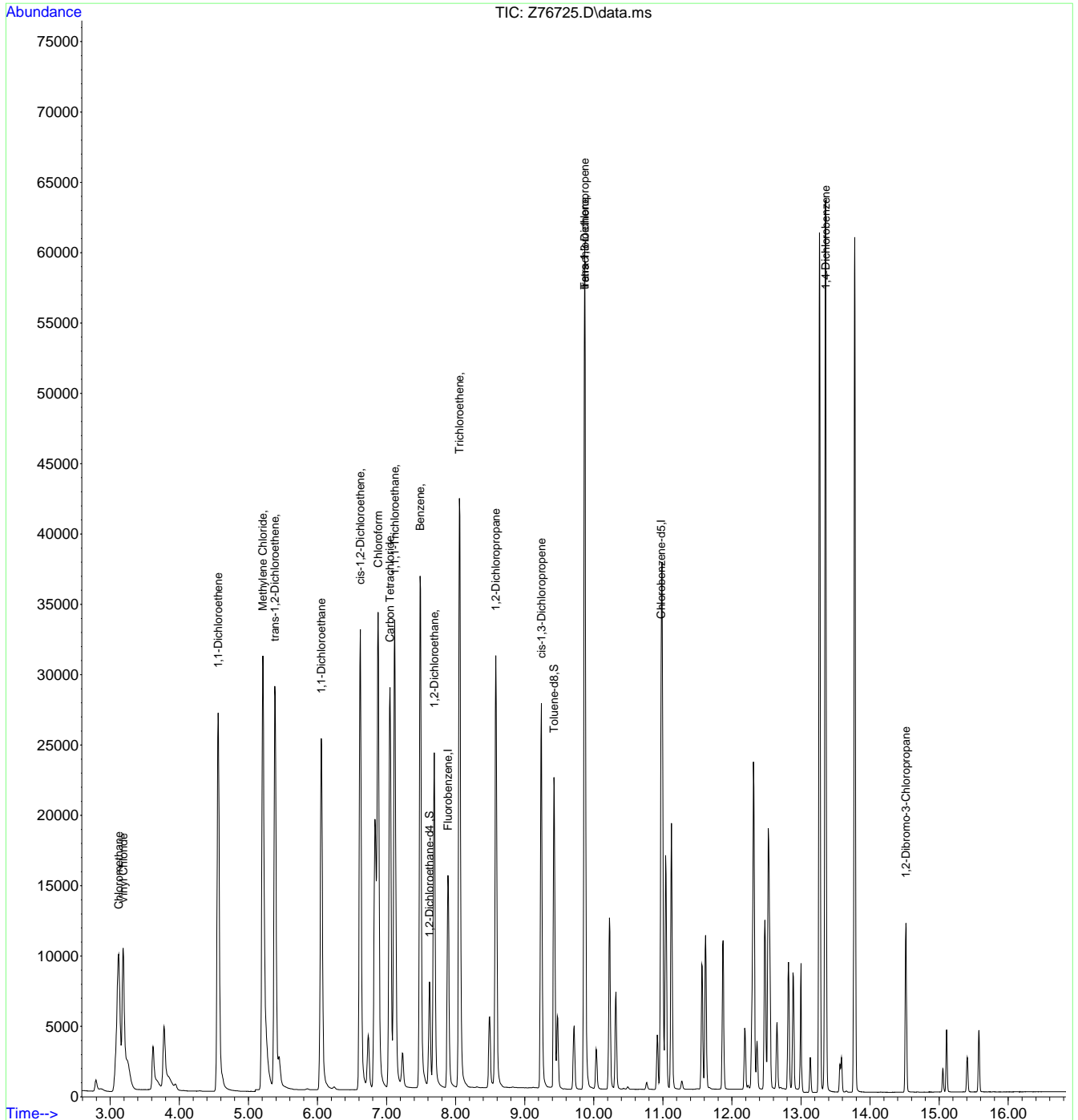


Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\090424\
 Data File : Z76725.D
 Acq On : 4 Sep 2024 7:17 am
 Operator : claudias
 Sample : cc3084-5
 Misc : MS57405,VZ3089,,,,,
 ALS Vial : 2 Sample Multiplier: 1

Inst : MSVOA15-Z

Quant Time: Sep 04 07:33:57 2024
 Quant Method : C:\msdchem\1\methods\SIMCL-08-28-2024.M
 Quant Title : Standard Methods 6200B
 QLast Update : Wed Aug 28 11:30:23 2024
 Response via : Initial Calibration



7.6.23
7



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\090424\
 Data File : Z76741.D
 Acq On : 4 Sep 2024 2:03 pm
 Operator : claudias
 Sample : ECC3084-5 Inst : MSVOA15-Z
 Misc : MS57418,VZ3089,,,,,
 ALS Vial : 18 Sample Multiplier: 1

Quant Time: Sep 05 06:16:17 2024
 Quant Method : C:\msdchem\1\methods\SIMCL-08-28-2024.M
 Quant Title : Standard Methods 6200B
 QLast Update : Wed Aug 28 11:30:23 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	

Internal Standards							
1) Fluorobenzene	7.895	96	19358	5.00	ug/L	0.00	
18) Chlorobenzene-d5	10.975	117	21860	5.00	ug/L	0.00	
System Monitoring Compounds							
13) 1,2-Dichloroethane-d4	7.628	65	6524	5.56	ug/L	0.00	
Spiked Amount	5.000	Range 74 - 125	Recovery	=	111.20%		
19) Toluene-d8	9.428	98	22825	4.68	ug/L	0.00	
Spiked Amount	5.000	Range 88 - 111	Recovery	=	93.60%		
Target Compounds							
							Qvalue
2) Vinyl Chloride	3.192	62	21124	11.55	ug/L		99
3) Chloromethane	3.129	50	25085	12.05	ug/L		99
4) 1,1-Dichloroethene	4.566	61	24357	11.89	ug/L		95
5) Methylene Chloride	5.213	49	31279	14.02	ug/L		93
6) trans-1,2-Dichloroethene	5.389	61	23475	11.85	ug/L		94
7) 1,1-Dichloroethane	6.059	63	31214	12.50	ug/L		100
8) cis-1,2-Dichloroethene	6.625	96	17883	11.06	ug/L		92
9) Chloroform	6.883	83	32339	10.72	ug/L		97
10) Carbon Tetrachloride	7.051	117	21007	9.22	ug/L		98
11) 1,1,1-Trichloroethane	7.126	97	26935	10.83	ug/L		96
12) Benzene	7.492	78	58011	10.34	ug/L		96
14) 1,2-Dichloroethane	7.696	62	23310	12.00	ug/L		94
15) Trichloroethene	8.061	95	15271	10.30	ug/L		88
16) 1,2-Dichloropropane	8.588	63	16443	10.69	ug/L		92
17) cis-1,3-Dichloropropene	9.240	75	23474	10.11	ug/L		88
20) trans-1,3-Dichloropropene	9.874	75	21282	9.02	ug/L		93
21) Tetrachloroethene	9.869	166	13849	8.48	ug/L #		88
22) 1,4-Dichlorobenzene	13.354	146	34487	9.28	ug/L		93
23) 1,2-Dibromo-3-Chloropr...	14.517	75	4381	8.84	ug/L #		66

(#) = qualifier out of range (m) = manual integration (+) = signals summed

7.6.24
7

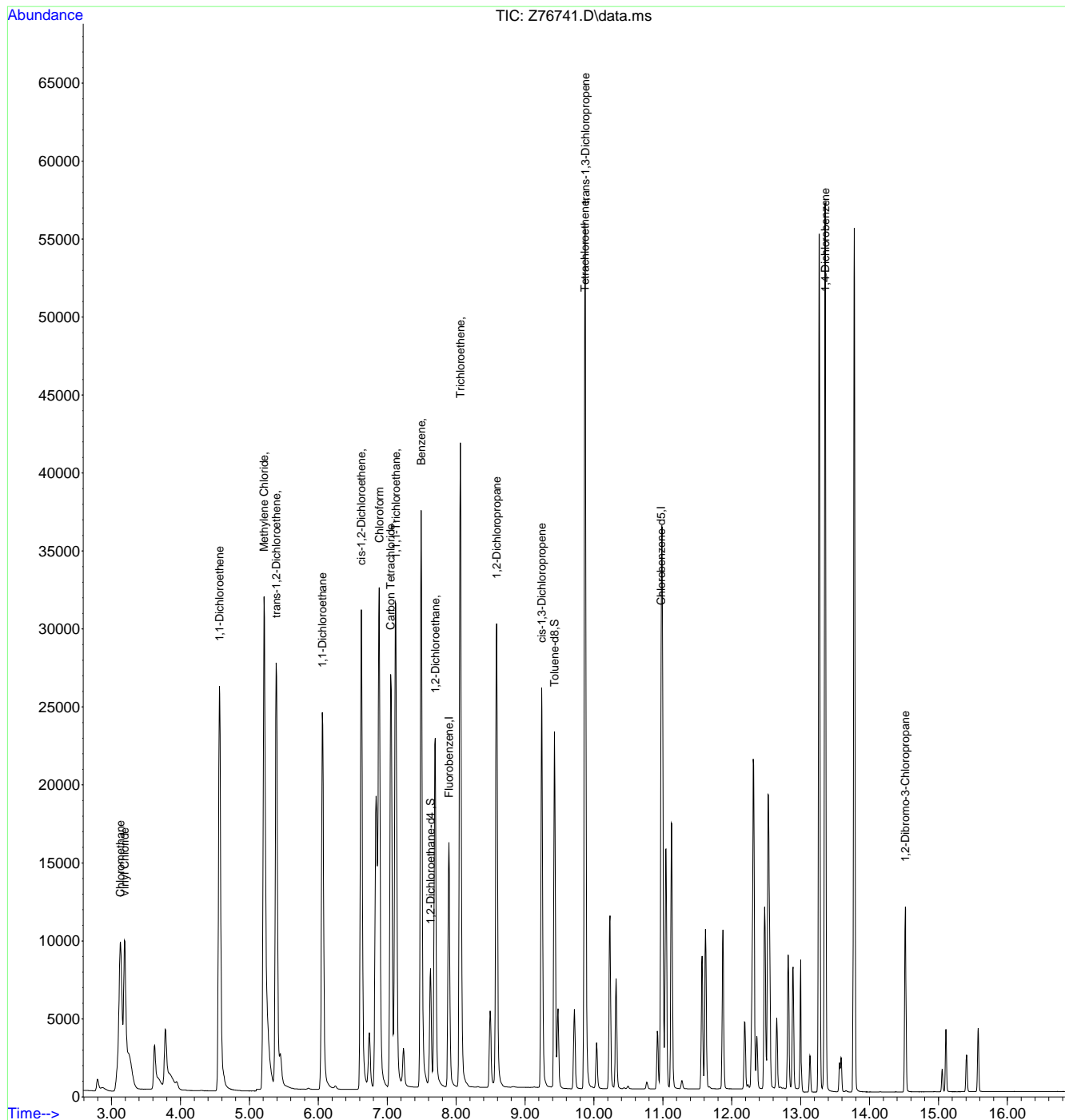


Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\090424\
 Data File : Z76741.D
 Acq On : 4 Sep 2024 2:03 pm
 Operator : claudias
 Sample : ECC3084-5
 Misc : MS57418,VZ3089,,,,,
 ALS Vial : 18 Sample Multiplier: 1

Inst : MSVOA15-Z

Quant Time: Sep 05 06:16:17 2024
 Quant Method : C:\msdchem\1\methods\SIMCL-08-28-2024.M
 Quant Title : Standard Methods 6200B
 QLast Update : Wed Aug 28 11:30:23 2024
 Response via : Initial Calibration



7.6.24
7



Instrument:	MS-VOAB-N
Date:	08/20/2024
Analyst:	Jenifer W
Column Type	RTX/MS
Detector	5975C-MSD
Purge Pressure	
Purge Volume	5mL

Method(s):	SIMCL
Method File:	SIMCL_VN6705_08202024.M
Calibration Date:	08/20/2024
Acq. Method:	ACQ_SIMCLB
EM Voltage:	1353V
Run ID:	VN6705

BFB:	VS4050
ICAL/CC:	, VS4168, VS4175
ICV/BS:	, VS4167, VS4176
ISTD/Surr.:	VS4180

pH Paper Lot#:	230320A/211623A
KI Paper Lot#:	14-860.03/13/23
AFA Lot#:	VS3860
Data processed by:	Jenifer W
Sample ID Ver. by:	Jenifer W
Date Verified:	08/20/2024

Data File	Sample ID	Dilution Factor	Vial #	Matrix	A.S. Pos.	Work Group	pH	CI? (Y/N)	RR	Comments and Manually Integrated Peaks (Peak # and Rational)
N0132197	BFB	-	-	Water	1	-	-	-	-	10uL→40mL Autotind Tunte Passed
N0132198	IC6705-1	-	-	Water	2	-	-	-	-	1uL→100mL MP#2; High recoveries. Re-prep and analyze
N0132199	IC6705-2	-	-	Water	3	-	-	-	-	5uL→100mL MP#23; High recoveries. Re-prep and analyze
N0132200	IC6705-3	-	-	Water	4	-	-	-	-	10uL→50mL MP#23 ✓
N0132201	IC6705-4	-	-	Water	5	-	-	-	-	25uL→50mL ✓
N0132202	IC6705-5	-	-	Water	6	-	-	-	-	50uL→50mL ✓
N0132203	IC6705-6	-	-	Water	7	-	-	-	-	75uL→50mL ✓
N0132204	IC6705-7	-	-	Water	8	-	-	-	-	100uL→50mL ✓
N0132205	rinse	-	-	Water	9	-	-	-	-	
N0132206	rinse	-	-	Water	10	-	-	-	-	
N0132207	IC6705-1	-	-	Water	11	-	-	-	-	1uL→100mL ✓
N0132208	IC6705-2	-	-	Water	12	-	-	-	-	5uL→100mL MP#23 ✓
N0132209	ICV6705-5	-	-	Water	13	-	-	-	-	50uL→50mL ✓

Matrix: Designate "W" for Water, "S" for soil, "O" for Oil, "L" for Non-aqueous Liquid, and "TCLP" or "SPLP" for Leachate
Manual Integration Rational SOP QA029: MP Missed Peak, OP Overlapping Peak, SP Split Peak, PDB Poorly Defined Baseline, BR Baseline Ripple, PII Poor Instrument



Instrument:	MS-VOA8-N
Date:	09/04/2024
Analyst:	Jenifer W
Column Type	RTX/MS
Detector	5975C-MSD
Purge Pressure	
Purge Volume	5mL

Method(s):	SIMCL
Method File:	SIMCL_VN6705_08202024.M
Calibration Date:	08/20/2024
Acq. Method:	ACQ_SIMCLB
EM Voltage:	1353V
Run ID:	VN6714

BFB:	VS4050
ICAL/CC:	, VS4183, VS4219
AFA Lot#:	
ICV/BS:	, VS4167, VS4220
ISTD/Surr.:	VS4180
Data processed by:	Jenifer W
Sample ID Ver. by:	Jenifer W
Date Verified:	09/04/2024

Data File	Sample ID	Dilution Factor	Vial #	Matrix	A.S. Pos.	Work Group	pH	CI? (Y/N)	RR	Comments and Manually Integrated Peaks (Peak # and Rational)
N0132422	BFB	-	-	Water	1	-	-	-	-	10ul-→40mL Autotind Tunte Passed
N0132423	CC6705-5	-	-	Water	2	-	-	-	-	50ul-→50mL ✓
N0132424	BS	-	-	Water	3	-	-	-	-	25ul-→50mL ✓
N0132425	rinse	-	-	Water	4	-	-	-	-	
N0132426	MB	-	-	Water	5	-	-	-	-	ND✓
N0132427	FC18326-25	-	1	Water	6	MSS7416	1	N	-	PBL#9 ✓
N0132428	FC18326-32	-	1	Water	7	MSS7416	1	N	-	✓
N0132429	FC18326-23	-	1	Water	8	MSS7416	1	N	-	✓
N0132430	FC18326-24	-	1	Water	9	MSS7416	1	N	-	PBL#9 ✓
N0132431	FC18326-26	-	1	Water	10	MSS7416	1	N	-	PBL#9 ✓
N0132432	FC18326-27	-	1	Water	11	MSS7416	1	N	-	✓
N0132433	FC18326-28	-	1	Water	12	MSS7416	1	N	-	✓
N0132434	FC18326-29	-	1	Water	13	MSS7416	1	N	-	✓
N0132435	FC18326-30	-	1	Water	14	MSS7416	1	N	-	PBL#9 ✓
N0132436	FC18326-31	-	1	Water	15	MSS7416	1	N	-	✓
N0132437	FC18326-33	-	1	Water	16	MSS7416	1	N	-	✓
N0132438	FC18326-34	-	1	Water	17	MSS7416	1	N	-	PBL#9 ✓
N0132439	FC18326-35	-	1	Water	18	MSS7416	1	N	-	PBL#9 ✓
N0132440	FC18330-6	-	1	Water	19	MSS7416	1	N	-	PBL#9 ✓
N0132441	FC18330-7	-	1	Water	20	MSS7416	1	N	-	✓
N0132442	FC18326-23MS	5X	1	Water	21	MSS7416	1	N	-	20mL-→100mL spike 50uL-→100mL MP#23 ✓
N0132443	FC18326-23MSD	5X	1	Water	22	MSS7416	1	N	-	20mL-→100mL spike 50uL-→100mL MP#23 ✓
N0132444	ECC6705-5	-	-	Water	23	-	-	-	-	50ul-→50mL ✓

Matrix: Designate "N" for Water, "S" for soil, "O" for Oil, "L" for Non-aqueous Liquid, and "TCLP" or "SPCLP" for Leachate
 Manual Integration Rational: SOP QAO29: MP Missed Peak, OP Overlapping Peak, SP Split Peak, PDB Poorly Defined Baseline, BR Baseline Ripple, PII Poor Instrument

SGS -ORLANDO

VOA-GCMS ANALYSIS LOG

Instrument:	MS/VOA15-Z
Date:	08/28/2024
Analyst:	claudias
Column Type	RTX/MS
Detector	5975C-MSD
Purge Pressure	
Purge Volume	5ml

Method(s):	8260SIMCL
Method File:	SIMCL-08-21-2024.M
Calibration Date:	08/21/24
Acq. Method:	ACQ_SIMCLB.M
EM Voltage:	1452
Run ID:	VZ3084

BFB:	VS4150	pH Paper Lot#:	230320A
ICAL/CC:	, VS4183, VS4198	KI Paper Lot#:	n/a
ICV/BS:	, VS4167, VS4199	AFA Lot#:	n/a
ISTD/Surr.:	VS4083	Data processed by:	claudias
		Sample ID Ver. by:	claudias
		Date Verified:	8/26/2024 0:00

Data File	Sample ID	Dilution Factor	Vial #	Matrix	A.S. Pos.	Work Group	pH	CI? (Y/N)	RR	Comments and Manually Integrated Peaks (Peak # and Rational)
Z76601	BFB	-	-	W	1	-	-	-	-	10.5 µl-40 ml; passed
Z76602	rinse	-	-	W	2	-	-	-	-	
Z76603	ic3084-1	-	-	W	3	-	-	-	-	1µl- 100 ml #23(MP), #9,#10,#11(PI)
Z76604	ic3084-2	-	-	W	4	-	-	-	-	5µl- 100 ml #23(MP), #9,#10,#11(PI)
Z76605	ic3084-3	-	-	W	5	-	-	-	-	10µl- 50 ml ✓
Z76606	ic3084-4	-	-	W	6	-	-	-	-	25µl- 50 ml ✓
Z76607	ic3084-5	-	-	W	7	-	-	-	-	50µl- 50 ml ✓
Z76608	ic3084-6	-	-	W	8	-	-	-	-	75µl- 50 ml ✓
Z76609	ic3084-7	-	-	W	9	-	-	-	-	100µl- 50 ml ✓
Z76610	rinse	-	-	W	10	-	-	-	-	
Z76611	icv3084-5	-	-	W	11	-	-	-	-	50µl- 50 ml ✓

Matrix: Designate "W" for Water, "S" for soil, "O" for Oil, "L" for Non-aqueous Liquid, and "TCLP" or "SPLP" for Leachate
 Manual Integration Rational SOP QA029: MP Missed Peak, OP Overlapping Peak, SP Split Peak, PDB Poorly Defined Baseline, BR Baseline Ripple, PI Poor Instrument

SGS -ORLANDO

VOA-GCMS ANALYSIS LOG

Instrument:	MS/VOA15-Z
Date:	08/30/2024
Analyst:	claudias
Column Type	RTX/MS
Detector	5975C-MSD
Purge Pressure	
Purge Volume	5ml

Method(s):	8260SIMCL
Method File:	SIMCL-08-28-2024.M
Calibration Date:	08/28/24
Acq. Method:	ACQ_SIMCLB.M
EM Voltage:	1452
Run ID:	VZ3087

Method(s):	VS4150
IC/AL/CC:	, VS4183, VS4198
ICV/BS:	, VS4167, VS4199
ISTD/Surr.:	VS4083
pH Paper Lot#:	230320A
KI Paper Lot#:	n/a
AFA Lot#:	n/a
Data processed by:	claudias
Sample ID Ver. by:	claudias
Date Verified:	8/30/2024 0:00

Data File	Sample ID	Dilution Factor	Vial #	Matrix	A.S. Pos.	Work Group	pH	CI? (Y/N)	RR	Comments and Manually Integrated Peaks (Peak # and Rational)
Z76688	BFB	-	-	W	1	-	-	-	-	10.5 µl- 40 ml; passed
Z76669	cc3084-5	-	-	W	2	-	-	-	-	50µl- 50 ml ✓
Z76670	BS	-	-	W	3	-	-	-	-	25µl- 50 ml ✓
Z76671	rinse	-	-	W	4	-	-	-	-	
Z76672	Mb	-	-	W	5	-	-	-	-	✓
Z76673	FC-18326-1	1X	1	W	6	MSS7393	1	N	-	✓#9(Pil)
Z76674	FC-18326-9	1X	1	W	7	MSS7393	1	N	-	✓
Z76675	FC-18326-2	1X	1	W	8	MSS7393	1	N	-	✓
Z76676	FC-18326-3	1X	1	W	9	MSS7393	1	N	-	✓#9. #10 (Pil)
Z76677	FC-18326-4	1X	1	W	10	MSS7393	1	N	-	✓
Z76678	FC-18326-5	1X	1	W	11	MSS7393	1	N	-	✓#9(Pil)
Z76679	FC-18326-6	1X	1	W	12	MSS7393	1	N	-	✓#9. #10 (Pil)
Z76680	FC-18326-7	1X	1	W	13	MSS7393	1	N	-	✓#9. #10 (Pil)
Z76681	FC-18326-8	1X	1	W	14	MSS7393	1	N	-	✓#9. #10 (Pil)
Z76682	FC-18326-10	1X	1	W	15	MSS7393	1	N	-	✓#9. #10 (Pil)
Z76683	FC-18326-11	1X	1	W	16	MSS7393	1	N	-	✓#9. #10 (Pil)
Z76684	FC-18326-12	1X	1	W	17	MSS7393	1	N	-	✓#9. #10 (Pil)
Z76685	FC-18326-13	1X	1	W	18	MSS7393	1	N	-	✓#9. #10 (Pil)
Z76686	FC-18326-14	1X	1	W	19	MSS7393	1	N	-	✓#9. #10 (Pil)
Z76687	FC-18326-15	1X	1	W	20	MSS7393	1	N	-	✓#9. #10 (Pil)
Z76688	FC-18326-16	1X	1	W	21	MSS7393	1	N	-	✓#9. (Pil)
Z76689	FC-18326-17	1X	1	W	22	MSS7393	1	N	-	✓#9. #10 (Pil)
Z76690	FC-18326-18	1X	1	W	23	MSS7393	1	N	-	✓#9. #10 (Pil)
Z76691	FC-18326-19	1X	1	W	24	MSS7393	1	N	-	✓
Z76692	FC-18326-20	1X	1	W	25	MSS7393	1	N	-	✓#10 (Pil)
Z76693	FC-18326-4MS	5X	2	W	26	MSS7393	1	N	-	20µl- 40 ml 10ml-50 ml
Z76694	FC-18326-4MSD	5X	2	W	27	MSS7393	1	N	-	20µl- 40 ml 10ml-50 ml
Z76695	ECC3084-5	-	-	W	28	-	-	-	-	50µl- 50 ml

Matrix: Designate "W" for Water; "S" for soil; "O" for Oil; "L" for Non-aqueous Liquid; and "TCLP" or "SPLP" for Leachate
 Manual Integration Rational SOP QA029: IIP Missed Peak, OP Overlapping Peak, SP Split Peak, PDB Poorly Defined Baseline, BR Baseline Ripple, PII Poor Instrument

SGS -ORLANDO

VOA-GCMS ANALYSIS LOG

Instrument:	MS/VOA15-Z
Date:	09/03/2024
Analyst:	claudias
Column Type	RTX/MS
Detector	5975C-MSD
Purge Pressure	
Purge Volume	5ml

Method(s):	8260SIMCL
Method File:	SIMCL-08-28-2024.M
Calibration Date:	08/28/24
Acq. Method:	ACQ_SIMCLB.M
EM Voltage:	1452
Run ID:	VZ3088

BFB:	VS4150
ICAL/CC:	, VS4183, VS4219
AFA Lot#:	n/a
ICV/BS:	, VS4167, VS4220
ISTD/Surr.:	VS4083

pH Paper Lot#:	230320A
KI Paper Lot#:	n/a
AFA Lot#:	n/a
Data processed by:	claudias
Sample ID Ver. by:	claudias
Date Verified:	9/3/2024 0:00

Data File	Sample ID	Dilution Factor	Vial #	Matrix	A.S. Pos.	Work Group	pH	CI? (Y/N)	RR	Comments and Manually Integrated Peaks (Peak # and Rational)
Z76696	BFB	-	-	W	1	-	-	-	-	10.5 µl- 40 ml; passed
Z76697	cc3084-5	-	-	W	2	-	-	-	-	50µl- 50 ml MC ↑
Z76698	BS	-	-	W	3	-	-	-	-	25µl- 50 ml, MC ↑, 1.1 dCE ↑
Z76699	rinse	-	-	W	4	-	-	-	-	
Z76700	Mb	-	-	W	5	-	-	-	-	✓
Z76701	FC-18325-1	1X	1	W	6	MSS7405	1	N	-	✓
Z76702	FC-18325-2	1X	2	W	7	MSS7405	1	N	-	✓
Z76703	FC-18325-11	1X	1	W	8	MSS7405	1	N	-	✓
Z76704	FC-18325-12	1X	1	W	9	MSS7405	1	N	-	✓
Z76705	FC-18325-3	1X	2	W	10	MSS7405	1	N	-	✓, #9(Pil)
Z76706	FC-18325-4	1X	1	W	11	MSS7405	1	N	-	✓
Z76707	FC-18325-5	1X	1	W	12	MSS7405	1	N	-	✓, #9, #10(Pil)
Z76708	FC-18325-6	1X	1	W	13	MSS7405	1	N	-	✓, #9(Pil)
Z76709	FC-18325-7	1X	1	W	14	MSS7405	1	N	-	✓, #9(Pil)
Z76710	FC-18325-8	1X	1	W	15	MSS7405	1	N	-	✓
Z76711	FC-18325-9	1X	2	W	16	MSS7405	1	N	-	✓
Z76712	FC-18325-10	1X	1	W	17	MSS7405	1	N	-	✓
Z76713	FC-18325-13	1X	1	W	18	MSS7405	1	N	-	✓, #9, #10(Pil)
Z76714	FC-18325-14	1X	1	W	19	MSS7405	1	N	-	✓, #9, #10(Pil)
Z76715	FC-18325-15	1X	1	W	20	MSS7405	1	N	-	✓
Z76716	FC-18325-16	1X	1	W	21	MSS7405	1	N	-	✓, #9, #10(Pil)
Z76717	FC-18325-17	1X	1	W	22	MSS7405	1	N	-	✓, #9, #10(Pil)
Z76718	FC-18325-18	1X	1	W	23	MSS7405	1	N	-	✓, #9, #10(Pil)
Z76719	FC-18326-21	1X	1	W	24	MSS7405	1	N	-	✓
Z76720	FC-18326-22	1X	1	W	25	MSS7405	1	N	-	✓, #9, #10(Pil)
Z76721	FC-18325-4MS	5X	2	W	26	MSS7405	1	N	-	20µl- 40 ml 10ml-50 ml
Z76722	FC-18325-4MSD	5X	2	W	27	MSS7405	1	N	-	20µl- 40 ml 10ml-50 ml
Z76723	ECC3084-5	-	-	W	28	-	-	-	-	50µl- 50 ml MC ↑

Matrix: Designate "W" for Water, "S" for soil, "O" for Oil, "L" for Non-aqueous Liquid, and "TCLP" or "SPLP" for Leachate
 Manual Integration Rational SOP QA029: I/P Missed Peak, O/P Overlapping Peak, SP Split Peak, PDB Poorly Defined Baseline, BR Baseline Ripple, P/I Poor Instrument

Instrument:	MS/VOA15-Z
Date:	09/04/2024
Analyst:	claudias
Column Type	RTX/MS
Detector	5975C-MSD
Purge Pressure	
Purge Volume	5ml

Method(s):	8260SIMCL
Method File:	SIMCL-08-28-2024.M
Calibration Date:	08/28/24
Acq. Method:	ACQ_SIMCLB.M
EM Voltage:	1452
Run ID:	VZ3089

BFB:	VS4150	pH Paper Lot#:	230320A
ICAL/CC:	, VS4183, VS4219	KI Paper Lot#:	n/a
ICV/BS:	, VS4167, VS4220	AFA Lot#:	n/a
ISTD/Surr.:	VS4083	Data processed by:	claudias
		Sample ID Ver. by:	claudias
		Date Verified:	9/4/2024 0:00

Data File	Sample ID	Dilution Factor	Vial #	Matrix	A.S. Pos.	Work Group	pH	CI? (Y/N)	RR	Comments and Manually Integrated Peaks (Peak # and Rational)
Z76724	BFB	-	-	W	1	-	-	-	-	10.5 µl- 40 ml; passed
Z76725	cc3084-5	-	-	W	2	-	-	-	-	50µl- 50 ml CM ↑, 1,1,DCE ↑, MC ↑, Trans-1,2DCE ↑, Cis-1,1DCE ↑, 1,1,DCE ↑, 1,2 DCE ↑
Z76726	BS	-	-	W	3	-	-	-	-	25µl- 50 ml 1,1,DCE ↑, MC ↑, Trans-1,2DCE ↑, Cis-1,1DCE ↑, 1,1,DCE ↑, 1,2 DCE (Total) ↑
Z76727	rinse	-	-	W	4	-	-	-	-	
Z76728	Mb	-	-	W	5	-	-	-	-	
Z76729	FC18326-38	1X	1	W	6	MSS7418	1	N	-	✓
Z76730	FC18328-1	1X	2	W	7	MSS7418	1	N	-	✓, #9(P11)
Z76731	FC18328-2	1X	1	W	8	MSS7418	1	N	-	✓, #9(P11)
Z76732	FC18328-3	1X	1	W	9	MSS7418	1	N	-	✓
Z76733	FC18326-36	1X	1	W	10	MSS7418	1	N	-	✓
Z76734	FC18326-37	1X	1	W	11	MSS7418	1	N	-	✓, #9(P11)
Z76735	FC18326-39	1X	1	W	12	MSS7418	1	N	-	✓
Z76736	FC18326-40	1X	1	W	13	MSS7418	1	N	-	✓, #9 #10(P11)
Z76737	FC18326-41	1X	1	W	14	MSS7418	1	N	-	✓, #9(P11)
Z76738	FC18326-42	1X	1	W	15	MSS7418	1	N	-	✓
Z76739	FC18326-36ms	5X	2	W	16	MSS7418	1	N	-	20µl- 40 ml 10ml-50 ml
Z76740	FC18326-36msd	5X	2	W	17	MSS7418	1	N	-	20µl- 40 ml 10ml-50 ml
Z76741	ECC3084-5	-	-	W	18	-	-	-	-	50µl- 50 ml ✓

Matrix: Designate "W" for Water, "S" for soil, "O" for Oil, "L" for Non-aqueous Liquid, and "TCLP" or "SPLP" for Leachate
Manual Integration Rational: SOP QA029: I/P Missed Peak, O/P Overlapping Peak, SP Split Peak, PDB Poorly Defined Baseline, BR Baseline Ripple, P/I Poor Instrument



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

e-Hardcopy 2.0
Automated Report

Technical Report for

Ahtna Global, LLC

Fort Ord Groundwater Monitoring

21187.001.01.0000 (FFO 2024 Q3) OUCTP-Upper

SGS Job Number: FC18328

Sampling Date: 08/22/24



Report to:

Ahtna Global, LLC
9699 Blue Larkspur Lane Suite 203
Monterey, CA 93940
dlieberman@ahtna.net; mfisher@ahtna.net;
hdillon@ahtna.net; eschmidt@ahtna.net;
ATTN: Derek Lieberman

Total number of pages in report: **93**



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

Norm Farmer
Technical Director

Client Service contact: Elvin Kumar 407-425-6700

Certifications: FL(E83510), LA(03051), KS(E-10327), NC(573), NJ(FL002), NY(12022), SC(96038001)

DoD ELAP(ANAB L2229), AZ(AZ0806), CA(2937), TX(T104704404), PA(68-03573), VA(460177),

AL, AK, AR, CT, IA, KY, MA, MI, MS, ND, NH, NV, OK, OR, IL, UT, VT, WA, WI, WV

This report shall not be reproduced, except in its entirety, without the written approval of SGS.

Test results relate only to samples analyzed.

Table of Contents

-1-

Section 1: Sample Summary	3
Section 2: Case Narrative/Conformance Summary	4
Section 3: Summary of Hits	5
Section 4: Sample Results	6
4.1: FC18328-1: 2434WOU2149F	7
4.2: FC18328-2: 2434WOU2175D	8
4.3: FC18328-3: 2434X0BW030F	9
Section 5: Misc. Forms	10
5.1: Chain of Custody	11
5.2: QC Evaluation: DOD QSM5.x Limits	14
Section 6: MS Volatiles - QC Data Summaries	15
6.1: Method Blank Summary	16
6.2: Blank Spike Summary	17
6.3: Matrix Spike/Matrix Spike Duplicate Summary	18
6.4: Instrument Performance Checks (BFB)	19
6.5: Internal Standard Area Summaries	21
6.6: Surrogate Recovery Summaries	22
6.7: Initial and Continuing Calibration Summaries	23
6.8: Run Sequence Reports	31
Section 7: MS Volatiles - Raw Data	33
7.1: Samples	34
7.2: Method Blanks	51
7.3: Blank Spikes	54
7.4: Matrix Spike/Matrix Spike Duplicates	56
7.5: Instrument Performance Checks (BFB)	60
7.6: Initial and Continuing Calibrations	62
7.7: Instrument Run Logs	92



Sample Summary

Ahtna Global, LLC

Job No: FC18328

Fort Ord Groundwater Monitoring

Project No: 21187.001.01.0000 (FFO 2024 Q3) OUCTP-Upper

Sample Number	Collected		Received	Matrix		Client Sample ID
	Date	Time By		Code	Type	
FC18328-1	08/22/24	09:33	08/27/24	AQ	Ground Water	2434WOU2149F
FC18328-2	08/22/24	09:38	08/27/24	AQ	Ground Water	2434WOU2175D
FC18328-3	08/22/24	14:53	08/27/24	AQ	Ground Water	2434X0BW030F

SAMPLE DELIVERY GROUP CASE NARRATIVE

Client: Ahtna Global, LLC

Job No: FC18328

Site: Fort Ord Groundwater Monitoring

Report Date: 9/9/2024 6:15:01 PM

On 08/27/2024, 3 Sample(s), 0 Trip Blank(s), 0 Equip. Blank(s) and 0 Field Blank(s) were received at SGS North America Inc - Orlando. at a maximum corrected temperature of 3.8 C. Samples were intact and chemically preserved, unless noted below. A SGS North America Inc. - Orlando Job Number of FC18328 was assigned to the project.

Laboratory sample ID, client sample ID and dates of sample collection are detailed in the report's Results Summary Section. Specified quality control criteria were achieved for this job except as noted below. For more information, please refer to the analytical results and QC summary pages.

MS Volatiles By Method SW846 8260D BY SIM

Matrix: AQ

Batch ID: VZ3089

All samples were analyzed within the recommended method holding time.

All method blanks for this batch meet method specific criteria.

Sample(s) FC18326-36MS, FC18326-36MSD were used as the QC samples indicated.

SGS North America Inc. - Orlando certifies that data reported for samples received, listed on the associated custody chain or analytical task order, were produced to specifications meeting the Quality System precision, accuracy and completeness objectives except as noted. Estimated non-standard method measurement uncertainty data is available on request, based on quality control bias and implicit for standard methods. Acceptable uncertainty requires tested parameter quality control data to meet method criteria. SGS North America Inc.- Orlando is not responsible for data quality assumptions if partial reports are used and recommends that this report be used in its entirety.

Narrative prepared by:

Kim Benham, Report Generation (signature on file)

Summary of Hits

Job Number: FC18328
Account: Ahtna Global, LLC
Project: Fort Ord Groundwater Monitoring
Collected: 08/22/24



Lab Sample ID	Client Sample ID	Result/ Qual	LOQ	LOD	Units	Method
---------------	------------------	-----------------	-----	-----	-------	--------

FC18328-1 2434WOU2149F

Carbon Tetrachloride 1.9 0.50 0.25 ug/l SW846 8260D BY SIM

FC18328-2 2434WOU2175D

Carbon Tetrachloride 1.9 0.50 0.25 ug/l SW846 8260D BY SIM

FC18328-3 2434X0BW030F

No hits reported in this sample.

Sample Results

Report of Analysis

SGS North America Inc.

Report of Analysis

Page 1 of 1

Client Sample ID: 2434WOU2149F	
Lab Sample ID: FC18328-1	Date Sampled: 08/22/24
Matrix: AQ - Ground Water	Date Received: 08/27/24
Method: SW846 8260D BY SIM	Percent Solids: n/a
Project: Fort Ord Groundwater Monitoring	

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	Z76730.D	1	09/04/24 09:51	CS	n/a	n/a	VZ3089
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA Special List

CAS No.	Compound	Result	LOQ	LOD	DL	Units	Q
56-23-5	Carbon Tetrachloride	1.9	0.50	0.25	0.10	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
17060-07-0	1,2-Dichloroethane-D4	114%		74-125%
2037-26-5	Toluene-D8	94%		88-111%

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

4.1
4

SGS North America Inc.

Report of Analysis

Page 1 of 1

Client Sample ID: 2434WOU2175D	Date Sampled: 08/22/24
Lab Sample ID: FC18328-2	Date Received: 08/27/24
Matrix: AQ - Ground Water	Percent Solids: n/a
Method: SW846 8260D BY SIM	
Project: Fort Ord Groundwater Monitoring	

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	Z76731.D	1	09/04/24 10:14	CS	n/a	n/a	VZ3089
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA Special List

CAS No.	Compound	Result	LOQ	LOD	DL	Units	Q
56-23-5	Carbon Tetrachloride	1.9	0.50	0.25	0.10	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
17060-07-0	1,2-Dichloroethane-D4	113%		74-125%
2037-26-5	Toluene-D8	94%		88-111%

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

4.2
4

SGS North America Inc.

Report of Analysis

Page 1 of 1

Client Sample ID: 2434X0BW030F	Date Sampled: 08/22/24
Lab Sample ID: FC18328-3	Date Received: 08/27/24
Matrix: AQ - Ground Water	Percent Solids: n/a
Method: SW846 8260D BY SIM	
Project: Fort Ord Groundwater Monitoring	

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	Z76732.D	1	09/04/24 10:37	CS	n/a	n/a	VZ3089
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA Special List

CAS No.	Compound	Result	LOQ	LOD	DL	Units	Q
56-23-5	Carbon Tetrachloride	0.25 U	0.50	0.25	0.10	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
17060-07-0	1,2-Dichloroethane-D4	114%		74-125%
2037-26-5	Toluene-D8	94%		88-111%

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

4.3
4

Misc. Forms

Custody Documents and Other Forms

Includes the following where applicable:

- Chain of Custody
- QC Evaluation: DOD QSM5.x Limits

Ahtna CADE3431

FC18328

Page 1 of 2
1 of 2
9/26

Chain-of-Custody / Analytical Request Document

Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed and accurate

Cooler No.:		of	17
COC No: 240822-Site(OUCTP UPPER)-Team(3)			
Task Desc: FFO2024Q3_Team1234			

Lab Name: SGS North America Inc. - Orlando		Site ID #: FFORD		Sampler: 1741469	
Lab Address:		Project #: 21187.001.01.0000		Sampling Company: Ahtna	
Lab PM: Elvin Kumar		Site Address: FFO, Marina, CA 93933		9400 Lakespur Ln Ste 201 Monterey	
Lab Phone/Fax: (407) 425-6700		Site PM Name: Derek Lieberman		Sampling Company Phone: (831)287-5250	
Lab PM Email:		Site Phone/Fax:		Sampling Team Number: 3	
Applicable Lab Quote:		Site PM Email: dlieberman@ahtna.net		Reimbursable Project?	
Turnaround Time: 10 Business Days		Turnaround Standard: Standard		Send EDD/Hard Copy To: labs@ahtna.net, dlieberman@ahtna.net	

Items No.	Sample ID	Sample Location	Matrix	Depth	G-Comb	C-Comb	Sample Type	Sample Date Time	# of Containers	Comments Lab I.D.	Analysis	Filtered	Preserve	HCL
											SW626D			
1	2434WOU2149F		WG	198 - 198 ft btoc	G	NS1		08/22/2024 09:33	3					X
2	2434WOU2175D		WG	198 - 198 ft btoc	G	FD1		08/22/2024 09:38	3					X

INITIAL ASSESSMENT ZB
LABEL VERIFICATION TH

4.0 IR#1

Sample Reason:	RELINQUISHED BY / AFFILIATION	Date Time	ACCEPTED BY / AFFILIATION	Date Time	Sample Receipt Conditions			
					<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No
Additional Comments/Special Instructions: 	<u>RELINQUISHED BY / AFFILIATION</u>	<u>08/22/24 13:17</u>	<u>Lee Bar - SGS</u>	<u>8/26/24 10:50</u>	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No
	<u>Lee Bar - SGS</u>	<u>8/26/24 15:00</u>	<u>FCOOLY</u>	<u>8/27/24 15:00</u>	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No
			<u>A/L</u>	<u>08/27/24 9:00</u>	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No
					<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No
	SHIPPING METHOD: (mark as appropriate)		SAMPLER NAME AND SIGNATURE	Date Time	Temperature in °C	Sample on Ice?	Sample Intact?	Trip Blank?

FC18328: Chain of Custody

Page 1 of 3



5.1
5

Ahtna CADS3431

FC18328 Page 1 of 1 2 of 2 12/8/24

Chain-of-Custody / Analytical Request Document
Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed and accurate

Cooler No.: of
COC No: 240822-OUCTP-Upper-2
Task Desc: FFO2024Q3_Team1234

Lab Name: SGS North America Inc. - Orlando
Lab Address: FFO, Marina, CA 93933
Lab PM: Elvin Kumar
Lab Phone/Fax: (407) 425-6700
Lab PM Email:
Applicable Lab Quote:
Turnaround Time: 10 Business Days
Site ID #: FORD
Project #: 21187.001.01.0000
Site Address: 9601 Lasgarden Ln Ste 201 Monterey, CA
Site PM Name: Derek Lieberman
Site Phone/Fax:
Site PM Email: dlieberman@ahntna.net
Turnaround Standard: Standard
Sampler: 1741468
Sampling Company: Ahtna
Sampling Company Phone: (831)287-5250
Sampling Team Number: 2
Reimbursable Project?
Send EDD/Hard Copy To: Labs@ahntna.net, dlieberman@ahntna.net

Items No.	Sample ID	Sample Location	Matrix	Depth	Original Cont.	Sample Type	Sample Date Time	# of Containers	Comments Lab I.D.	Analysis	Filtered	Preserve
1 3 12/8/24	2434X0BW030F		WG	195 - 195 ft btoc	G	NS1	08/22/2024 14:53	3		SW6260D		HCL

Sample Reason:	RELINQUISHED BY / AFFILIATION	Date Time	ACCEPTED BY / AFFILIATION	Date Time	Sample Receipt Conditions
Additional Comments/Special Instructions:	<i>[Signature]</i>	8/26/24 1715	<i>[Signature]</i>	8/26/24 1030	<input type="checkbox"/> Yes <input type="checkbox"/> No
	<i>[Signature]</i>	8/26/24 1500	<i>[Signature]</i>	8/26/24 1500	<input type="checkbox"/> Yes <input type="checkbox"/> No
			<i>[Signature]</i>	08/27/24 900	<input type="checkbox"/> Yes <input type="checkbox"/> No
					<input type="checkbox"/> Yes <input type="checkbox"/> No
	SHIPPING METHOD: (mark as appropriate)		SAMPLER NAME AND SIGNATURE	Date Time	Temperature in °C Sample on Ice? Sample Intact? Trip Blank?

5.1 5

SGS - Orlando Sample Receipt Summary

Job Number: fc18328

Client: AHTNA

Project: OUCTP-UPPER FFO2024Q3

Date / Time Received: 8/27/2024 9:00:00 AM

Delivery Method: FEDEX

Airbill #s: 778197414753

Cooler Temps (Raw Measured) °C: Cooler 1: (4.0);

Cooler Temps (Corrected) °C: Cooler 1: (3.8);

Cooler Informatio

	<u>Y</u>	<u>or</u>	<u>N</u>	
1. Custody Seals Present:	<input checked="" type="checkbox"/>		<input type="checkbox"/>	
2. Custody Seals Intact:	<input checked="" type="checkbox"/>		<input type="checkbox"/>	
3. Temp criteria achieved:	<input checked="" type="checkbox"/>		<input type="checkbox"/>	
4. Cooler temp verification:				IR Gun
5. Cooler media:				Ice (Bag)

Trip Blank Information

	<u>Y</u>	<u>or</u>	<u>N</u>	<u>N/A</u>
1. Trip Blank present / cooler:	<input checked="" type="checkbox"/>		<input type="checkbox"/>	<input type="checkbox"/>
2. Trip Blank listed on COC:	<input type="checkbox"/>		<input checked="" type="checkbox"/>	<input type="checkbox"/>
	<u>W</u>	<u>or</u>	<u>S</u>	<u>N/A</u>
3. Type of TB Received	<input checked="" type="checkbox"/>		<input type="checkbox"/>	<input type="checkbox"/>

Sample Information

	<u>Y</u>	<u>or</u>	<u>N</u>	<u>N/A</u>
1. Sample labels present on bottles:	<input checked="" type="checkbox"/>		<input type="checkbox"/>	
2. Samples presented properly	<input checked="" type="checkbox"/>		<input type="checkbox"/>	
3. Sufficient volume/containers recv'd for analysi	<input checked="" type="checkbox"/>		<input type="checkbox"/>	
4. Condition of sample:				Intact
5. Sample recv'd within HT	<input checked="" type="checkbox"/>		<input type="checkbox"/>	
6. Dates/Times/IDs on COC match sample labe	<input checked="" type="checkbox"/>		<input type="checkbox"/>	
7. VOCs have headspace	<input type="checkbox"/>		<input checked="" type="checkbox"/>	<input type="checkbox"/>
8. Bottles received for unspecified tests	<input type="checkbox"/>		<input checked="" type="checkbox"/>	
9. Compositing instructions clear	<input type="checkbox"/>		<input type="checkbox"/>	<input checked="" type="checkbox"/>
10. Voa Soil Kits/Jars received past 48hrs?	<input type="checkbox"/>		<input type="checkbox"/>	<input checked="" type="checkbox"/>
11. % Solids Jar Received?	<input type="checkbox"/>		<input type="checkbox"/>	<input checked="" type="checkbox"/>
12. Residual Chlorine Present?	<input type="checkbox"/>		<input type="checkbox"/>	<input checked="" type="checkbox"/>

Misc Information

Number of Encores: 25 Gram	5 Gram	Number of Lab Filtered Metals	
Test Strip Lot #s: pH 0-3: <u>226422</u>	pH 10-12: _____	Other: (Specify) pH 1.0 - 12.0	<u>222221</u>
Residual Chlorine Test Strip Lot	_____		

Comments

Sample Receipt Summary 112723 EK Technician: ZANEB Date: 8/27/2024 10:59:24 AM Reviewer: ZB Date: 08/27/24

FC18328: Chain of Custody
Page 3 of 3

5.1
5

QC Evaluation: DOD QSM5.x Limits

Job Number: FC18328
Account: Ahtna Global, LLC
Project: Fort Ord Groundwater Monitoring
Collected: 08/22/24

QC Sample ID	CAS#	Analyte	Sample Type	Result Type	Result	Units	Limits
VZ3089	SW846 8260D BY SIM						
VZ3089-BS	56-23-5	Carbon Tetrachloride	BSP	REC	102	%	72-136
VZ3089-BS	17060-07-0	1,2-Dichloroethane-D4	BSP	SURR	113	%	81-118
VZ3089-BS	2037-26-5	Toluene-D8	BSP	SURR	93	%	89-112
FC18326-36MS*	56-23-5	Carbon Tetrachloride	MS	REC	105	%	72-136
FC18326-36MS*	17060-07-0	1,2-Dichloroethane-D4	MS	SURR	118	%	81-118
FC18326-36MS*	2037-26-5	Toluene-D8	MS	SURR	93	%	89-112
FC18326-36MSD*	56-23-5	Carbon Tetrachloride	MSD	REC	97	%	72-136
FC18326-36MSD*	56-23-5	Carbon Tetrachloride	MSD	RPD	8	%	20
FC18326-36MSD*	17060-07-0	1,2-Dichloroethane-D4	MSD	SURR	117	%	81-118
FC18326-36MSD*	2037-26-5	Toluene-D8	MSD	SURR	93	%	89-112
VZ3089-MB	17060-07-0	1,2-Dichloroethane-D4	MB	SURR	113	%	81-118
VZ3089-MB	2037-26-5	Toluene-D8	MB	SURR	93	%	89-112
FC18328-1	17060-07-0	1,2-Dichloroethane-D4	SAMP	SURR	114	%	81-118
FC18328-1	2037-26-5	Toluene-D8	SAMP	SURR	94	%	89-112
FC18328-2	17060-07-0	1,2-Dichloroethane-D4	SAMP	SURR	113	%	81-118
FC18328-2	2037-26-5	Toluene-D8	SAMP	SURR	94	%	89-112
FC18328-3	17060-07-0	1,2-Dichloroethane-D4	SAMP	SURR	114	%	81-118
FC18328-3	2037-26-5	Toluene-D8	SAMP	SURR	94	%	89-112

* Sample used for QC is not from job FC18328

5.2
5

MS Volatiles

QC Data Summaries

Includes the following where applicable:

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

Method Blank Summary

Job Number: FC18328
Account: AHTNACAS Ahtna Global, LLC
Project: Fort Ord Groundwater Monitoring

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VZ3089-MB	Z76728.D	1	09/04/24	CS	n/a	n/a	VZ3089

The QC reported here applies to the following samples:

Method: SW846 8260D BY SIM

FC18328-1, FC18328-2, FC18328-3

CAS No.	Compound	Result	RL	MDL	Units	Q
56-23-5	Carbon Tetrachloride	ND	0.50	0.10	ug/l	

CAS No.	Surrogate Recoveries	Limits	
17060-07-0	1,2-Dichloroethane-D4	113%	74-125%
2037-26-5	Toluene-D8	93%	88-111%

Blank Spike Summary

Job Number: FC18328
Account: AHTNACAS Ahtna Global, LLC
Project: Fort Ord Groundwater Monitoring

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VZ3089-BS	Z76726.D	1	09/04/24	CS	n/a	n/a	VZ3089

The QC reported here applies to the following samples:

Method: SW846 8260D BY SIM

FC18328-1, FC18328-2, FC18328-3

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
56-23-5	Carbon Tetrachloride	5	5.1	102	76-136

CAS No.	Surrogate Recoveries	BSP	Limits
17060-07-0	1,2-Dichloroethane-D4	113%	74-125%
2037-26-5	Toluene-D8	93%	88-111%

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: FC18328
Account: AHTNACAS Ahtna Global, LLC
Project: Fort Ord Groundwater Monitoring

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
FC18326-36MS	Z76739.D	5	09/04/24	CS	n/a	n/a	VZ3089
FC18326-36MSD	Z76740.D	5	09/04/24	CS	n/a	n/a	VZ3089
FC18326-36	Z76733.D	1	09/04/24	CS	n/a	n/a	VZ3089

The QC reported here applies to the following samples:

Method: SW846 8260D BY SIM

FC18328-1, FC18328-2, FC18328-3

CAS No.	Compound	FC18326-36 ug/l	Spike Q ug/l	MS ug/l	MS %	Spike ug/l	MSD ug/l	MSD %	RPD	Limits Rec/RPD
56-23-5	Carbon Tetrachloride	0.50 U	25	26.2	105	25	24.2	97	8	76-136/23

CAS No.	Surrogate Recoveries	MS	MSD	FC18326-36	Limits
17060-07-0	1,2-Dichloroethane-D4	118%	117%	116%	74-125%
2037-26-5	Toluene-D8	93%	93%	94%	88-111%

* = Outside of Control Limits.

Instrument Performance Check (BFB)

Job Number: FC18328
Account: AHTNACAS Ahtna Global, LLC
Project: Fort Ord Groundwater Monitoring

Sample: VZ3084-BFB	Injection Date: 08/28/24
Lab File ID: Z76601.D	Injection Time: 07:36
Instrument ID: GCMSZ	

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance	Pass/Fail
95	Base peak, 100% relative abundance	102783	100.0	Pass
96	5.0 - 9.0% of mass 95	7256	7.06	Pass
173	Less than 2.0% of mass 174	537	0.52 (0.64) ^a	Pass
174	50.0 - 200.0% of mass 95	84304	82.0	Pass
175	5.0 - 9.0% of mass 174	6173	6.01 (7.32) ^a	Pass
176	95.0 - 105.0% of mass 174	82709	80.5 (98.1) ^a	Pass
177	5.0 - 10.0% of mass 176	5685	5.53 (6.87) ^b	Pass

(a) Value is % of mass 174

(b) Value is % of mass 176

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

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
VZ3084-IC3084	Z76603.D	08/28/24	08:29	00:53	Initial cal 1
VZ3084-IC3084	Z76604.D	08/28/24	08:51	01:15	Initial cal 2
VZ3084-IC3084	Z76605.D	08/28/24	09:24	01:48	Initial cal 3
VZ3084-IC3084	Z76606.D	08/28/24	09:47	02:11	Initial cal 4
VZ3084-ICC3084	Z76607.D	08/28/24	10:10	02:34	Initial cal 5
VZ3084-IC3084	Z76608.D	08/28/24	10:33	02:57	Initial cal 6
VZ3084-IC3084	Z76609.D	08/28/24	10:57	03:21	Initial cal 7
VZ3084-ICV3084	Z76611.D	08/28/24	11:43	04:07	Initial cal verification 5

Instrument Performance Check (BFB)

Job Number: FC18328
Account: AHTNACAS Ahtna Global, LLC
Project: Fort Ord Groundwater Monitoring

Sample: VZ3089-BFB	Injection Date: 09/04/24
Lab File ID: Z76724.D	Injection Time: 06:49
Instrument ID: GCMSZ	

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance	Pass/Fail
95	Base peak, 100% relative abundance	141205	100.0	Pass
96	5.0 - 9.0% of mass 95	9537	6.75	Pass
173	Less than 2.0% of mass 174	652	0.46 (0.59) ^a	Pass
174	50.0 - 200.0% of mass 95	111064	78.7	Pass
175	5.0 - 9.0% of mass 174	7903	5.60 (7.12) ^a	Pass
176	95.0 - 105.0% of mass 174	106971	75.8 (96.3) ^a	Pass
177	5.0 - 10.0% of mass 176	7010	4.96 (6.55) ^b	Pass

(a) Value is % of mass 174

(b) Value is % of mass 176

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

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
VZ3089-CC3084	Z76725.D	09/04/24	07:17	00:28	Continuing cal 5
VZ3089-BS	Z76726.D	09/04/24	07:53	01:04	Blank Spike
VZ3089-MB	Z76728.D	09/04/24	08:54	02:05	Method Blank
ZZZZZZ	Z76729.D	09/04/24	09:29	02:40	(unrelated sample)
FC18328-1	Z76730.D	09/04/24	09:51	03:02	2434WOU2149F
FC18328-2	Z76731.D	09/04/24	10:14	03:25	2434WOU2175D
FC18328-3	Z76732.D	09/04/24	10:37	03:48	2434X0BW030F
FC18326-36	Z76733.D	09/04/24	11:00	04:11	(used for QC only; not part of job FC18328)
ZZZZZZ	Z76734.D	09/04/24	11:23	04:34	(unrelated sample)
ZZZZZZ	Z76735.D	09/04/24	11:46	04:57	(unrelated sample)
ZZZZZZ	Z76736.D	09/04/24	12:08	05:19	(unrelated sample)
ZZZZZZ	Z76737.D	09/04/24	12:31	05:42	(unrelated sample)
ZZZZZZ	Z76738.D	09/04/24	12:54	06:05	(unrelated sample)
FC18326-36MS	Z76739.D	09/04/24	13:17	06:28	Matrix Spike
FC18326-36MSD	Z76740.D	09/04/24	13:40	06:51	Matrix Spike Duplicate
VZ3089-ECC3084	Z76741.D	09/04/24	14:03	07:14	Ending cal 5

Internal Standard Area Summary

Job Number: FC18328
Account: AHTNACAS Ahtna Global, LLC
Project: Fort Ord Groundwater Monitoring

Check Std: VZ3089-CC3084	Injection Date: 09/04/24
Lab File ID: Z76725.D	Injection Time: 07:17
Instrument ID: GCMSZ	Method: SW846 8260D BY SIM

	IS 1 AREA	RT	IS 2 AREA	RT
Initial Cal ^a	18387	7.89	18425	10.98
Check Std ^b	18987	7.89	21828	10.97
Upper Limit ^c	37974	8.06	43656	11.14
Lower Limit ^d	9494	7.72	10914	10.80

Lab Sample ID	IS 1 AREA	RT	IS 2 AREA	RT
VZ3089-BS	18930	7.89	22704	10.97
VZ3089-MB	19770	7.89	23821	10.98
ZZZZZZ	19041	7.89	22883	10.97
FC18328-1	18920	7.89	22670	10.98
FC18328-2	19169	7.89	23015	10.97
FC18328-3	19265	7.89	23206	10.98
FC18326-36	19105	7.89	22851	10.98
ZZZZZZ	18991	7.89	22917	10.98
ZZZZZZ	18706	7.89	22357	10.98
ZZZZZZ	18972	7.89	22622	10.98
ZZZZZZ	18598	7.89	22166	10.98
ZZZZZZ	18943	7.89	22518	10.98
FC18326-36MS	18462	7.89	21872	10.97
FC18326-36MSD	18661	7.89	22209	10.97
VZ3089-ECC3084	19358	7.89	21860	10.97

IS 1 = Fluorobenzene
IS 2 = Chlorobenzene-D5

- (a) Initial Cal is: VZ3084-ICC3084 Z76607.D 08/28/24 10:10
- (b) Check Std Limit = -50 to + 100% of initial cal area.
- (c) Upper Limit = + 100% of check standard area; Retention time + 0.167 minutes.
- (d) Lower Limit = -50% of check standard area; Retention time -0.167 minutes.

6.5.1
6

Surrogate Recovery Summary

Job Number: FC18328
Account: AHTNACAS Ahtna Global, LLC
Project: Fort Ord Groundwater Monitoring

Method: SW846 8260D BY SIM **Matrix:** AQ

Samples and QC shown here apply to the above method

Lab Sample ID	Lab File ID	S1	S2
FC18328-1	Z76730.D	114	94
FC18328-2	Z76731.D	113	94
FC18328-3	Z76732.D	114	94
FC18326-36MS	Z76739.D	118	93
FC18326-36MSD	Z76740.D	117	93
VZ3089-BS	Z76726.D	113	93
VZ3089-MB	Z76728.D	113	93

Surrogate Compounds	Recovery Limits
S1 = 1,2-Dichloroethane-D4	74-125%
S2 = Toluene-D8	88-111%

6.6.1
6

Initial Calibration Summary

Job Number: FC18328
Account: AHTNACAS Ahtna Global, LLC
Project: Fort Ord Groundwater Monitoring

Sample: VZ3084-ICC3084
Lab FileID: Z76607.D

Response Factor Report MSVOA15-Z

Method : C:\msdchem\1\met...MCL-08-28-2024.M (RTE Integrator)
 Title : Standard Methods 6200B
 Last Update : Wed Aug 28 11:30:23 2024
 Response via : Initial Calibration

Calibration Files

1 =Z76603.D 2 =Z76604.D 3 =Z76605.D 4 =Z76606.D
 5 =Z76607.D 6 =Z76608.D 7 =Z76609.D

Compound	1	2	3	4	5	6	7	Avg	%RSD
1) I Fluorobenzene									
-----ISTD-----									
2) Vinyl Chloride	3.087	1.012	0.556	0.503	0.479	0.452	0.435	0.932	104.18
	---- Quadratic regr., Force(0,0) ---- Coefficient = 0.9993								
	Response Ratio = 0.00000 + 0.52615 *A + -0.02329 *A^2								
3) Chloromethane	2.523	0.959	0.605	0.563	0.550	0.521	0.500	0.889	83.00
	---- Quadratic regr., Force(0,0) ---- Coefficient = 0.9996								
	Response Ratio = 0.00000 + 0.59622 *A + -0.02423 *A^2								
4) 1,1-Dichloroethen	0.877	0.664	0.596	0.575	0.527	0.520	0.480	0.605	22.10
	---- Quadratic regr., Force(0,0) ---- Coefficient = 0.9995								
	Response Ratio = 0.00000 + 0.59770 *A + -0.02887 *A^2								
5) Methylene Chlorid	8.589	2.190	1.016	0.727	0.601	0.557	0.499	2.026	145.79
	---- Quadratic regr., Force(0,0) ---- Coefficient = 0.9956								
	Response Ratio = 0.00000 + 0.77053 *A + -0.06924 *A^2								
6) trans-1,2-Dichlor	0.751	0.607	0.568	0.547	0.508	0.507	0.469	0.565	16.55
	---- Quadratic regr., Force(0,0) ---- Coefficient = 0.9994								
	Response Ratio = 0.00000 + 0.56981 *A + -0.02450 *A^2								
7) 1,1-Dichloroethan	0.926	0.787	0.739	0.727	0.669	0.668	0.620	0.734	13.79
	---- Linear regr., Force(0,0) ---- Coefficient = 0.9968								
	Response Ratio = 0.00000 + 0.64509 *A								
8) cis-1,2-Dichloroe	0.659	0.467	0.453	0.442	0.411	0.412	0.382	0.461	19.94
	---- Quadratic regression ---- Coefficient = 0.9994								
	Response Ratio = 0.00106 + 0.45841 *A + -0.01862 *A^2								
9) Chloroform	1.108	0.825	1.049	0.868	0.757	0.739	0.679	0.861	18.78
	---- Quadratic regr., Force(0,0) ---- Coefficient = 0.9987								
	Response Ratio = 0.00000 + 0.89510 *A + -0.05419 *A^2								
10) Carbon Tetrachlor	0.917	0.701	0.694	0.622	0.554	0.546	0.503	0.648	21.66
	---- Quadratic regr., Force(0,0) ---- Coefficient = 0.9992								
	Response Ratio = 0.00000 + 0.66516 *A + -0.04150 *A^2								
11) 1,1,1-Trichloroet	1.142	0.759	0.771	0.707	0.620	0.626	0.579	0.743	25.57
	---- Quadratic regr., Force(0,0) ---- Coefficient = 0.9989								
	Response Ratio = 0.00000 + 0.71523 *A + -0.03354 *A^2								
12) Benzene	1.880	1.455	1.405	1.398	1.334	1.377	1.298	1.449	13.57
13)S 1,2-Dichloroethan	0.301	0.312	0.326	0.310	0.295	0.291	0.286	0.303	4.61
14) 1,2-Dichloroethan	0.711	0.552	0.544	0.540	0.497	0.498	0.462	0.543	14.82
	---- Quadratic regr., Force(0,0) ---- Coefficient = 0.9994								
	Response Ratio = 0.00000 + 0.55725 *A + -0.02314 *A^2								

6.7.1
6



Initial Calibration Summary

Job Number: FC18328
Account: AHTNACAS Ahtna Global, LLC
Project: Fort Ord Groundwater Monitoring

Sample: VZ3084-ICC3084
Lab FileID: Z76607.D

- 15) Trichloroethene 0.554 0.401 0.391 0.387 0.373 0.386 0.362 0.408 16.13
---- Quadratic regr., Force(0,0) ---- Coefficient = 0.9990
Response Ratio = 0.00000 + 0.40128 *A + -0.00897 *A^2

- 16) 1,2-Dichloropropa 0.511 0.390 0.383 0.391 0.371 0.381 0.355 0.397 12.96
- 17) cis-1,3-Dichlorop 0.837 0.597 0.596 0.606 0.584 0.605 0.566 0.627 14.91
---- Quadratic regr., Force(0,0) ---- Coefficient = 0.9990
Response Ratio = 0.00000 + 0.62772 *A + -0.01386 *A^2

- 18) I Chlorobenzene-d5 -----ISTD-----
- 19)S Toluene-d8 1.128 1.121 1.112 1.104 1.113 1.112 1.116 1.115 0.68
- 20) trans-1,3-Dichlor 0.802 0.511 0.514 0.521 0.525 0.563 0.536 0.567 18.51
---- Quadratic regr., Force(0,0) ---- Coefficient = 0.9986
Response Ratio = 0.00000 + 0.53685 *A + 0.00156 *A^2

- 21) Tetrachloroethene 0.673 0.431 0.384 0.373 0.362 0.375 0.356 0.422 26.88
---- Quadratic regr., Force(0,0) ---- Coefficient = 0.9992
Response Ratio = 0.00000 + 0.38455 *A + -0.00653 *A^2

- 22) 1,4-Dichlorobenze 1.466 0.855 0.839 0.874 0.856 0.886 0.827 0.943 24.54
---- Linear regr., Force(0,0) ---- Coefficient = 0.9981
Response Ratio = 0.00000 + 0.85017 *A

- 23) 1,2-Dibromo-3-Chl 0.276 0.129 0.115 0.118 0.109 0.111 0.104 0.137 44.85
---- Quadratic regr., Force(0,0) ---- Coefficient = 0.9993
Response Ratio = 0.00000 + 0.11991 *A + -0.00370 *A^2

(#) = Out of Range

SIMCL-08-28-2024.M

Wed Aug 28 12:39:52 2024

Initial Calibration Verification

Job Number: FC18328
Account: AHTNACAS Ahtna Global, LLC
Project: Fort Ord Groundwater Monitoring

Sample: VZ3084-ICV3084
Lab FileID: Z76611.D

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\data\082824\Z76611.D
 Acq On : 28 Aug 2024 11:43 am
 Sample : icv3084-5
 Misc : MS57344,VZ3084,,,,,
 MS Integration Params: micro.p
 Vial: 11
 Operator: claudias
 Inst : MSVOA15-Z
 Multiplr: 1.00

Method : C:\msdchem\1\met...MCL-08-28-2024.M (RTE Integrator)
 Title : Standard Methods 6200B
 Last Update : Wed Aug 28 11:30:23 2024
 Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 200%

Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1 I Fluorobenzene	1.000	1.000	0.0	104	0.00	7.89
----- Amount Calc. %Drift -----						
2 Vinyl Chloride	10.000	8.263	17.4	88	0.00	3.19
3 Chloromethane	10.000	8.151	18.5	86	0.00	3.13
4 1,1-Dichloroethene	10.000	10.149	-1.5	109	0.00	4.57
5 Methylene Chloride	10.000	10.019	-0.2	110	0.00	5.21
6 trans-1,2-Dichloroethene	10.000	10.428	-4.3	111	0.00	5.39
7 1,1-Dichloroethane	10.000	10.758	-7.6	108	0.00	6.06
8 cis-1,2-Dichloroethene	10.000	10.302	-3.0	110	0.00	6.62
9 Chloroform	10.000	9.932	0.7	108	0.00	6.88
10 Carbon Tetrachloride	10.000	9.924	0.8	109	0.00	7.05
11 1,1,1-Trichloroethane	10.000	10.210	-2.1	111	0.00	7.13
----- AvgRF CCRF %Dev -----						
12 Benzene	1.449	1.430	1.3	112	0.00	7.49
13 S 1,2-Dichloroethane-d4	0.303	0.292	3.6	103	0.00	7.63
----- Amount Calc. %Drift -----						
14 1,2-Dichloroethane	10.000	10.396	-4.0	111	0.00	7.70
15 Trichloroethene	10.000	10.628	-6.3	114	0.00	8.06
----- AvgRF CCRF %Dev -----						
16 1,2-Dichloropropane	0.397	0.400	-0.8	113	0.00	8.59
----- Amount Calc. %Drift -----						
17 cis-1,3-Dichloropropene	10.000	10.097	-1.0	108	0.00	9.24
----- AvgRF CCRF %Dev -----						
18 I Chlorobenzene-d5	1.000	1.000	0.0	104	0.00	10.98
19 S Toluene-d8	1.115	1.111	0.4	103	0.00	9.43
----- Amount Calc. %Drift -----						
20 trans-1,3-Dichloropropene	10.000	9.423	5.8	101	0.00	9.87
21 Tetrachloroethene	10.000	10.507	-5.1	112	0.00	9.87
22 1,4-Dichlorobenzene	10.000	10.637	-6.4	110	0.00	13.35
23 1,2-Dibromo-3-Chloropropa	10.000	10.154	-1.5	108	0.00	14.52

(#) = Out of Range

SPCC's out = 0 CCC's out = 0



Initial Calibration Verification

Job Number: FC18328
Account: AHTNACAS Ahtna Global, LLC
Project: Fort Ord Groundwater Monitoring

Sample: VZ3084-ICV3084
Lab FileID: Z76611.D

Z76607.D SIMCL-08-28-2024.M

Wed Aug 28 12:39:18 2024

6.7.2

6

Continuing Calibration Summary

Job Number: FC18328
Account: AHTNACAS Ahtna Global, LLC
Project: Fort Ord Groundwater Monitoring

Sample: VZ3089-CC3084
Lab FileID: Z76725.D

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\data\090424\Z76725.D
 Acq On : 4 Sep 2024 7:17 am
 Sample : cc3084-5
 Misc : MS57405,VZ3089,,,,,
 MS Integration Params: micro.p
 Vial: 2
 Operator: claudias
 Inst : MSVOA15-Z
 Multiplr: 1.00

Method : C:\msdchem\1\met...MCL-08-28-2024.M (RTE Integrator)
 Title : Standard Methods 6200B
 Last Update : Wed Aug 28 11:30:23 2024
 Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 200%

Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1 I Fluorobenzene	1.000	1.000	0.0	103	0.00	7.89
----- Amount Calc. %Drift -----						
2 Vinyl Chloride	10.000	12.000	-20.0	122	0.00	3.19
3 Chloromethane	10.000	12.675	-26.8#	127	-0.01	3.12
4 1,1-Dichloroethene	10.000	12.512	-25.1#	129	0.00	4.56
5 Methylene Chloride	10.000	13.254	-32.5#	134	0.00	5.21
6 trans-1,2-Dichloroethene	10.000	12.777	-27.8#	132	0.00	5.38
7 1,1-Dichloroethane	10.000	13.256	-32.6#	132	0.00	6.05
8 cis-1,2-Dichloroethene	10.000	12.209	-22.1#	127	0.00	6.62
9 Chloroform	10.000	11.847	-18.5	124	0.00	6.88
10 Carbon Tetrachloride	10.000	10.263	-2.6	111	0.00	7.05
11 1,1,1-Trichloroethane	10.000	11.695	-17.0	124	0.00	7.12
----- AvgRF CCRF %Dev -----						
12 Benzene	1.449	1.556	-7.4	120	0.00	7.49
13 S 1,2-Dichloroethane-d4	0.303	0.334	-10.2	117	0.00	7.62
----- Amount Calc. %Drift -----						
14 1,2-Dichloroethane	10.000	12.664	-26.6#	131	0.00	7.69
15 Trichloroethene	10.000	10.862	-8.6	115	0.00	8.05
----- AvgRF CCRF %Dev -----						
16 1,2-Dichloropropane	0.397	0.443	-11.6	123	0.00	8.58
----- Amount Calc. %Drift -----						
17 cis-1,3-Dichloropropene	10.000	10.973	-9.7	116	0.00	9.24
----- AvgRF CCRF %Dev -----						
18 I Chlorobenzene-d5	1.000	1.000	0.0	118	0.00	10.97
19 S Toluene-d8	1.115	1.031	7.5	110	0.00	9.42
----- Amount Calc. %Drift -----						
20 trans-1,3-Dichloropropene	10.000	9.473	5.3	116	0.00	9.87
21 Tetrachloroethene	10.000	9.262	7.4	113	0.00	9.87
22 1,4-Dichlorobenzene	10.000	10.363	-3.6	122	0.00	13.35
23 1,2-Dibromo-3-Chloropropa	10.000	8.821	11.8	108	0.00	14.52

(#) = Out of Range

SPCC's out = 0 CCC's out = 0

Continuing Calibration Summary

Job Number: FC18328
Account: AHTNACAS Ahtna Global, LLC
Project: Fort Ord Groundwater Monitoring

Sample: VZ3089-CC3084
Lab FileID: Z76725.D

Z76607.D SIMCL-08-28-2024.M

Wed Sep 04 09:21:35 2024

Continuing Calibration Summary

Job Number: FC18328
Account: AHTNACAS Ahtna Global, LLC
Project: Fort Ord Groundwater Monitoring

Sample: VZ3089-ECC3084
Lab FileID: Z76741.D

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\data\090424\Z76741.D Vial: 18
 Acq On : 4 Sep 2024 2:03 pm Operator: claudias
 Sample : ECC3084-5 Inst : MSVOA15-Z
 Misc : MS57418,VZ3089,,,,, Multiplr: 1.00
 MS Integration Params: micro.p

Method : C:\msdchem\1\met...MCL-08-28-2024.M (RTE Integrator)
 Title : Standard Methods 6200B
 Last Update : Wed Aug 28 11:30:23 2024
 Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 50% Max. Rel. Area : 200%

Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1 I Fluorobenzene	1.000	1.000	0.0	105	0.00	7.89
----- Amount Calc. %Drift -----						
2 Vinyl Chloride	10.000	11.551	-15.5	120	0.00	3.19
3 Chloromethane	10.000	12.047	-20.5	124	0.00	3.13
4 1,1-Dichloroethene	10.000	11.892	-18.9	126	0.00	4.57
5 Methylene Chloride	10.000	14.016	-40.2	141	0.00	5.21
6 trans-1,2-Dichloroethene	10.000	11.848	-18.5	126	0.00	5.39
7 1,1-Dichloroethane	10.000	12.498	-25.0	127	0.00	6.06
8 cis-1,2-Dichloroethene	10.000	11.058	-10.6	118	0.00	6.62
9 Chloroform	10.000	10.724	-7.2	116	0.00	6.88
10 Carbon Tetrachloride	10.000	9.217	7.8	103	0.00	7.05
11 1,1,1-Trichloroethane	10.000	10.826	-8.3	118	0.00	7.13
----- AvgRF CCRF %Dev -----						
12 Benzene	1.449	1.498	-3.4	118	0.00	7.49
13 S 1,2-Dichloroethane-d4	0.303	0.337	-11.2	120	0.00	7.63
----- Amount Calc. %Drift -----						
14 1,2-Dichloroethane	10.000	12.000	-20.0	127	0.00	7.70
15 Trichloroethene	10.000	10.304	-3.0	111	0.00	8.06
----- AvgRF CCRF %Dev -----						
16 1,2-Dichloropropane	0.397	0.425	-7.1	121	0.00	8.59
----- Amount Calc. %Drift -----						
17 cis-1,3-Dichloropropene	10.000	10.110	-1.1	109	0.00	9.24
----- AvgRF CCRF %Dev -----						
18 I Chlorobenzene-d5	1.000	1.000	0.0	119	0.00	10.97
19 S Toluene-d8	1.115	1.044	6.4	111	0.00	9.43
----- Amount Calc. %Drift -----						
20 trans-1,3-Dichloropropene	10.000	9.020	9.8	110	0.00	9.87
21 Tetrachloroethene	10.000	8.482	15.2	104	0.00	9.87
22 1,4-Dichlorobenzene	10.000	9.278	7.2	109	0.00	13.35
23 1,2-Dibromo-3-Chloropropa	10.000	8.839	11.6	109	0.00	14.52

(#) = Out of Range

SPCC's out = 0 CCC's out = 0

Continuing Calibration Summary

Job Number: FC18328
Account: AHTNACAS Ahtna Global, LLC
Project: Fort Ord Groundwater Monitoring

Sample: VZ3089-ECC3084
Lab FileID: Z76741.D

Z76607.D SIMCL-08-28-2024.M

Thu Sep 05 06:22:22 2024

Run Sequence Report

Job Number: FC18328
Account: AHTNACAS Ahtna Global, LLC
Project: Fort Ord Groundwater Monitoring

Run ID: VZ3084	Method: SW846 8260D BY SIM	Instrument ID: GCMSZ
-----------------------	-----------------------------------	-----------------------------

Lab Sample ID	Lab File ID	Date/Time Analyzed	Prep QC Batch	Client Sample ID
VZ3084-BFB	Z76601.D	08/28/24 07:36	n/a	BFB Tune
VZ3084-IC3084	Z76603.D	08/28/24 08:29	n/a	Initial cal 1
VZ3084-IC3084	Z76604.D	08/28/24 08:51	n/a	Initial cal 2
VZ3084-IC3084	Z76605.D	08/28/24 09:24	n/a	Initial cal 3
VZ3084-IC3084	Z76606.D	08/28/24 09:47	n/a	Initial cal 4
VZ3084-ICC3084	Z76607.D	08/28/24 10:10	n/a	Initial cal 5
VZ3084-IC3084	Z76608.D	08/28/24 10:33	n/a	Initial cal 6
VZ3084-IC3084	Z76609.D	08/28/24 10:57	n/a	Initial cal 7
VZ3084-ICV3084	Z76611.D	08/28/24 11:43	n/a	Initial cal verification 5

Run Sequence Report

Job Number: FC18328
Account: AHTNACAS Ahtna Global, LLC
Project: Fort Ord Groundwater Monitoring

Run ID: VZ3089	Method: SW846 8260D BY SIM	Instrument ID: GCMSZ
-----------------------	-----------------------------------	-----------------------------

Lab Sample ID	Lab File ID	Date/Time Analyzed	Prep QC Batch	Client Sample ID
VZ3089-BFB	Z76724.D	09/04/24 06:49	n/a	BFB Tune
VZ3089-CC3084	Z76725.D	09/04/24 07:17	n/a	Continuing cal 5
VZ3089-BS	Z76726.D	09/04/24 07:53	n/a	Blank Spike
VZ3089-MB	Z76728.D	09/04/24 08:54	n/a	Method Blank
ZZZZZZ	Z76729.D	09/04/24 09:29	n/a	(unrelated sample)
FC18328-1	Z76730.D	09/04/24 09:51	n/a	2434WOU2149F
FC18328-2	Z76731.D	09/04/24 10:14	n/a	2434WOU2175D
FC18328-3	Z76732.D	09/04/24 10:37	n/a	2434X0BW030F
FC18326-36	Z76733.D	09/04/24 11:00	n/a	(used for QC only; not part of job FC18328)
ZZZZZZ	Z76734.D	09/04/24 11:23	n/a	(unrelated sample)
ZZZZZZ	Z76735.D	09/04/24 11:46	n/a	(unrelated sample)
ZZZZZZ	Z76736.D	09/04/24 12:08	n/a	(unrelated sample)
ZZZZZZ	Z76737.D	09/04/24 12:31	n/a	(unrelated sample)
ZZZZZZ	Z76738.D	09/04/24 12:54	n/a	(unrelated sample)
FC18326-36MS	Z76739.D	09/04/24 13:17	n/a	Matrix Spike
FC18326-36MSD	Z76740.D	09/04/24 13:40	n/a	Matrix Spike Duplicate
VZ3089-ECC3084	Z76741.D	09/04/24 14:03	n/a	Ending cal 5

MS Volatiles

Raw Data

7

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\090424\
Data File : Z76730.D
Acq On : 4 Sep 2024 9:51 am
Operator : claudias
Sample : FC18328-1 Inst : MSVOA15-Z
Misc : MS57418,VZ3089,,,,,
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Sep 04 10:09:34 2024
Quant Method : C:\msdchem\1\methods\SIMCL-08-28-2024.M
Quant Title : Standard Methods 6200B
QLast Update : Wed Aug 28 11:30:23 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Fluorobenzene	7.895	96	18920	5.00	ug/L	0.00
18) Chlorobenzene-d5	10.975	117	22670	5.00	ug/L	0.00
System Monitoring Compounds						
13) 1,2-Dichloroethane-d4	7.622	65	6510	5.68	ug/L	0.00
Spiked Amount	5.000	Range 74 - 125	Recovery	=	113.60%	
19) Toluene-d8	9.428	98	23708	4.69	ug/L	0.00
Spiked Amount	5.000	Range 88 - 111	Recovery	=	93.80%	
Target Compounds						
5) Methylene Chloride	5.208	49	292	0.10	ug/L	93
9) Chloroform	6.878	83	796m	0.24	ug/L	
10) Carbon Tetrachloride	7.051	117	4607	1.87	ug/L	97
15) Trichloroethene	8.061	95	100	0.07	ug/L	89

(#) = qualifier out of range (m) = manual integration (+) = signals summed

7.1.1
7

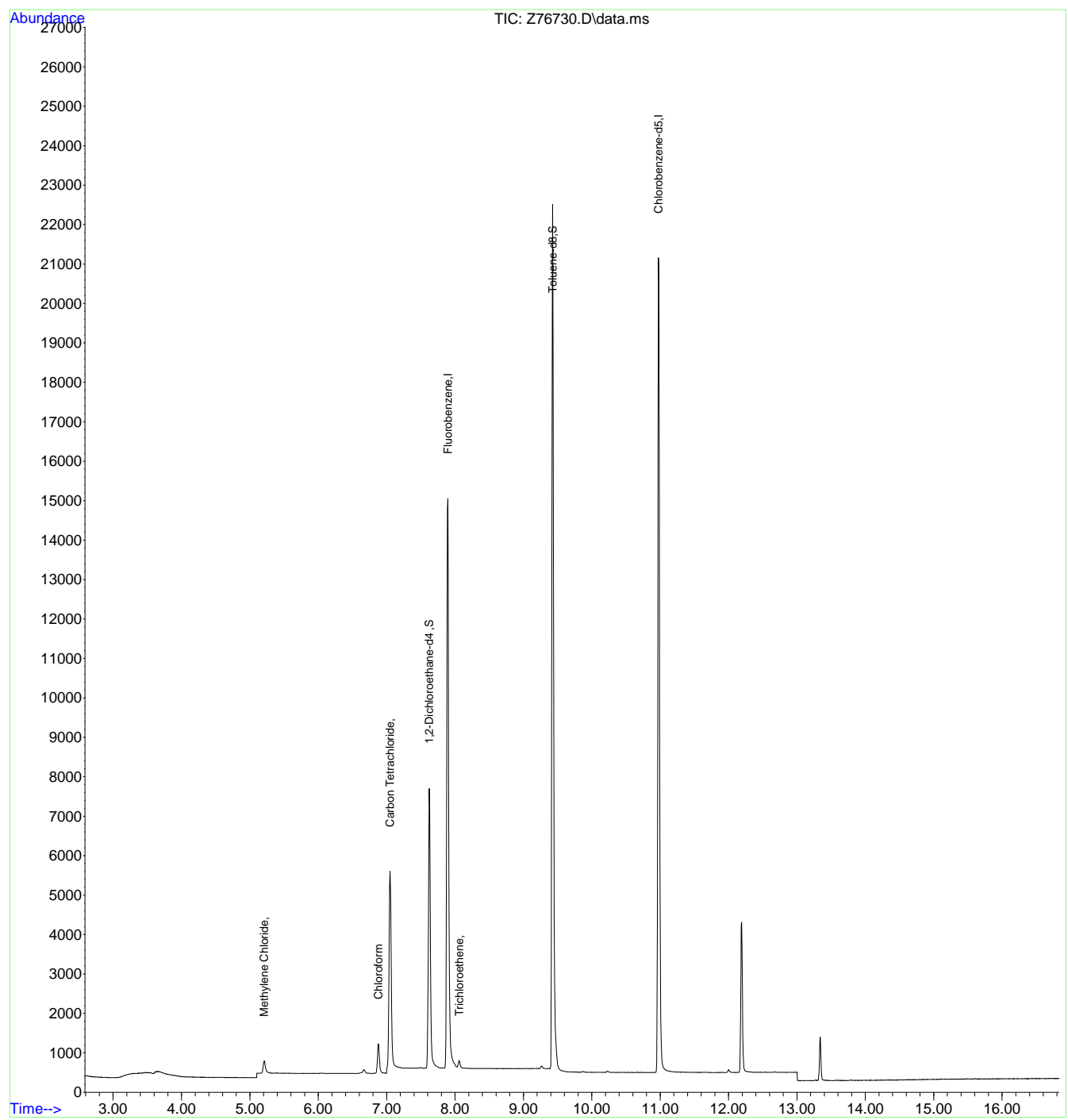


Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\090424\
Data File : Z76730.D
Acq On : 4 Sep 2024 9:51 am
Operator : claudias
Sample : FC18328-1
Misc : MS57418,VZ3089,,,,,
ALS Vial : 7 Sample Multiplier: 1

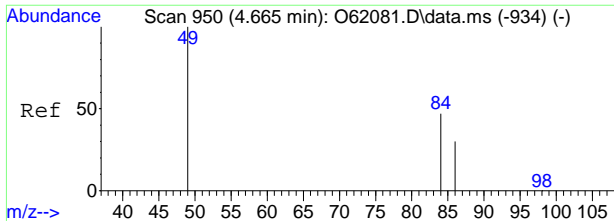
Inst : MSVOA15-Z

Quant Time: Sep 04 10:09:34 2024
Quant Method : C:\msdchem\1\methods\SIMCL-08-28-2024.M
Quant Title : Standard Methods 6200B
QLast Update : Wed Aug 28 11:30:23 2024
Response via : Initial Calibration



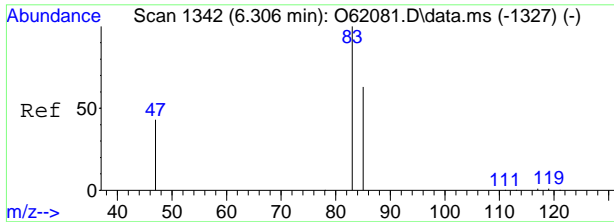
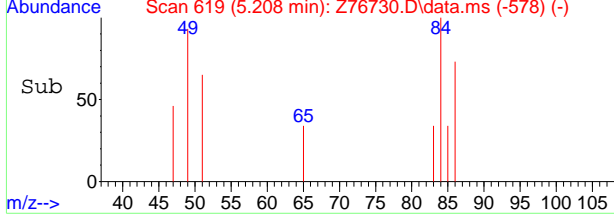
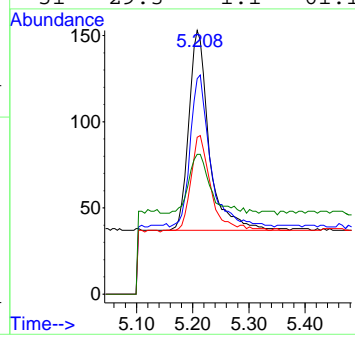
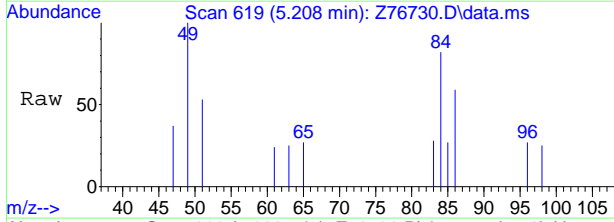
7.1.1
7





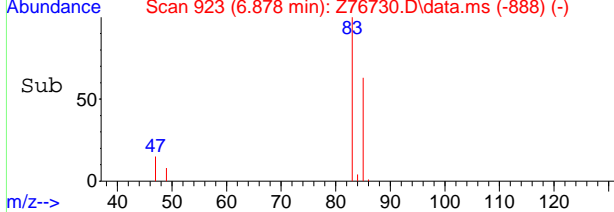
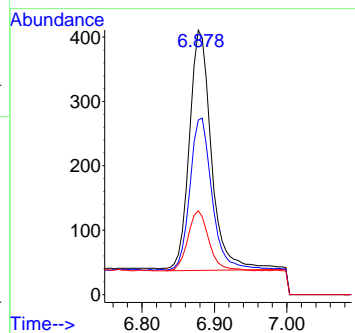
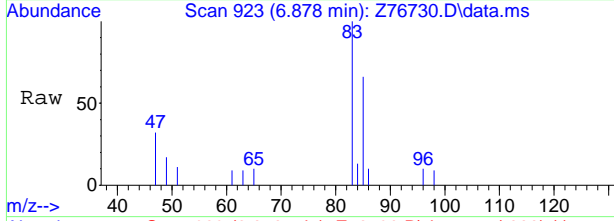
#5
 Methylene Chloride
 Concen: 0.10 ug/L
 RT: 5.208 min Scan# 619
 Delta R.T. -0.005 min
 Lab File: Z76730.D
 Acq: 4 Sep 2024 9:51 am

Tgt Ion	Ratio	Lower	Upper
49	100		
84	73.3	49.7	109.7
86	46.6	22.0	82.0
51	29.3	1.1	61.1



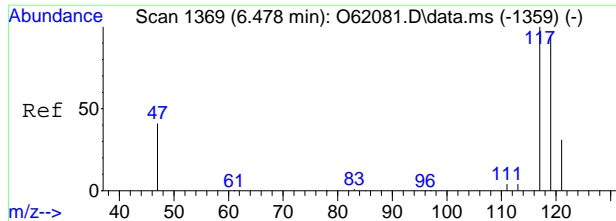
#9
 Chloroform
 Concen: 0.24 ug/L m
 RT: 6.878 min Scan# 923
 Delta R.T. -0.005 min
 Lab File: Z76730.D
 Acq: 4 Sep 2024 9:51 am

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.9	35.9	95.9
47	31.6	0.0	51.0



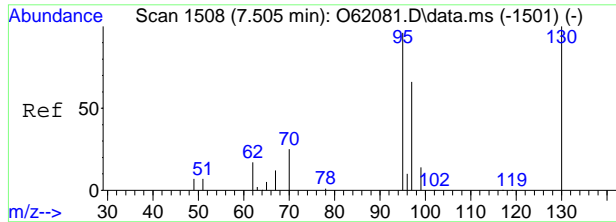
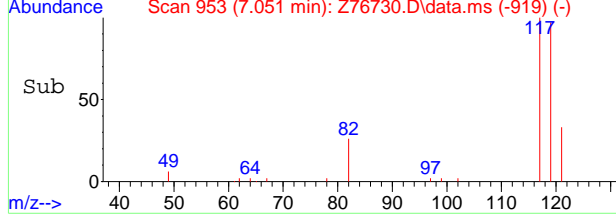
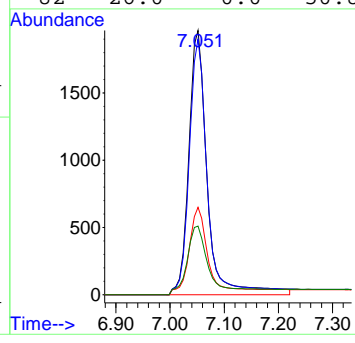
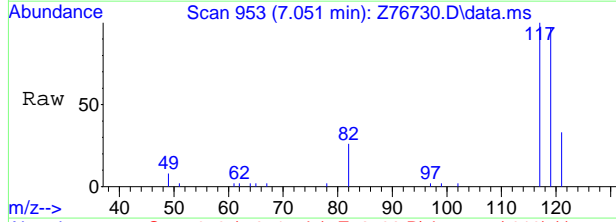
7.1.1
7





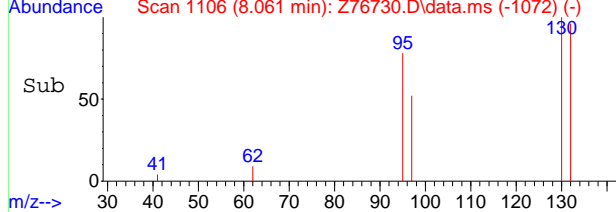
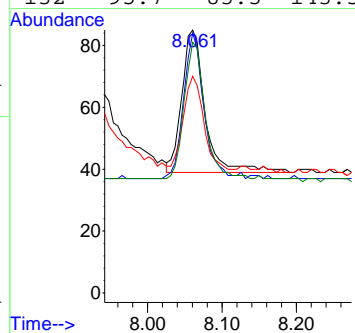
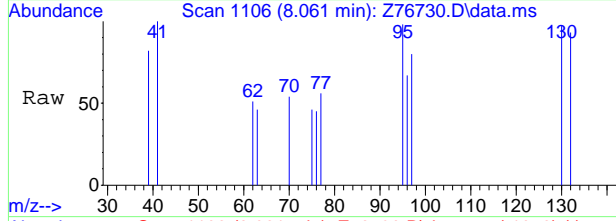
#10
 Carbon Tetrachloride
 Concen: 1.87 ug/L
 RT: 7.051 min Scan# 953
 Delta R.T. -0.007 min
 Lab File: Z76730.D
 Acq: 4 Sep 2024 9:51 am

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.7	66.2	126.2
121	33.1	1.2	61.2
82	26.0	0.0	50.8



#15
 Trichloroethene
 Concen: 0.07 ug/L
 RT: 8.061 min Scan# 1106
 Delta R.T. -0.000 min
 Lab File: Z76730.D
 Acq: 4 Sep 2024 9:51 am

Tgt Ion	Ratio	Lower	Upper
95	100		
130	102.2	84.5	144.5
97	67.4	36.4	96.4
132	95.7	83.5	143.5



7.1.1
7



Manual Integration Approval Summary

Sample Number: FC18328-1 **Method:** SW846 8260D BY SIM
Lab FileID: Z76730.D **Analyst approved:** 09/05/24 06:45 Claudia Sosa
Injection Time: 09/04/24 09:51 **Supervisor approved:** 09/05/24 09:02 Karen Watson

Parameter	CAS	Sig#	R.T. (min.)	Reason
Chloroform	67-66-3		6.88	Poor instrument integration

7.1.1.1

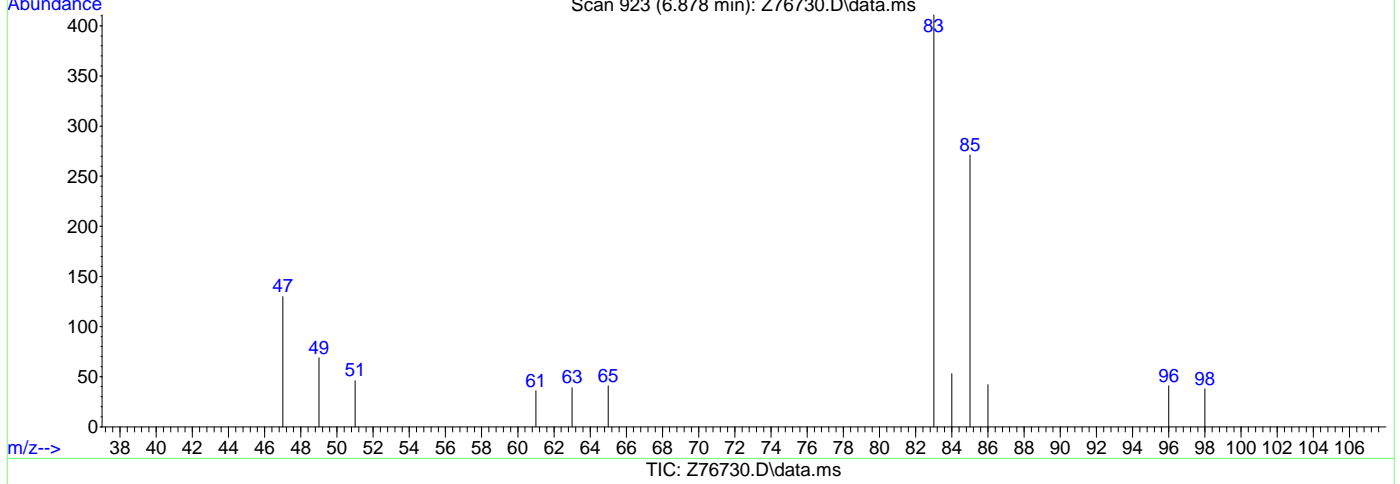
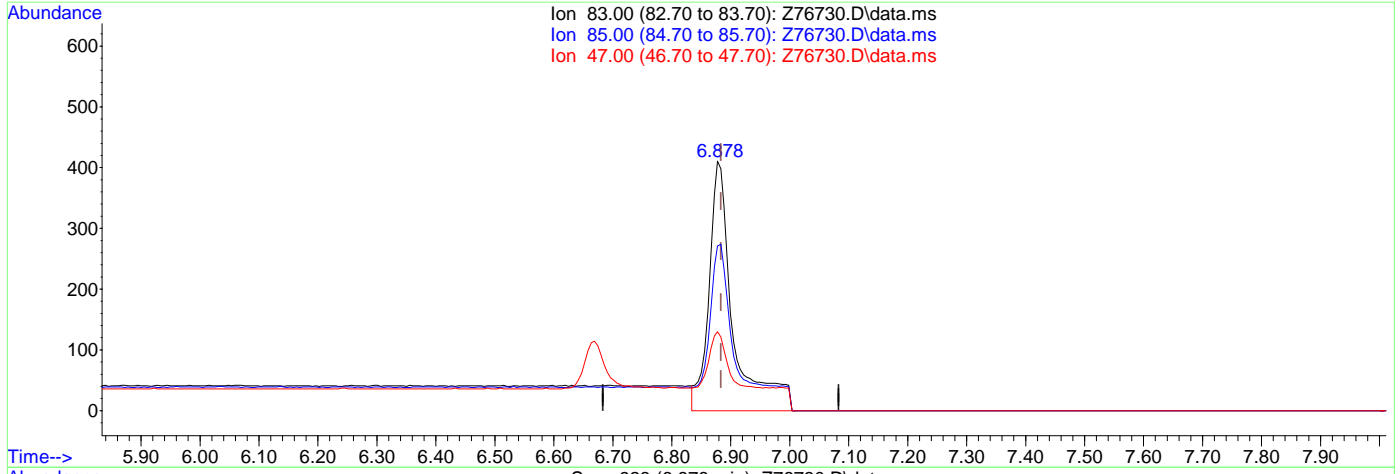
7

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\090424\
Data File : Z76730.D
Acq On : 4 Sep 2024 9:51 am
Operator : claudias
Sample : FC18328-1
Misc : MS57418,VZ3089,,,,,
ALS Vial : 7 Sample Multiplier: 1

Inst : MSVOA15-Z

Quant Time: Sep 04 10:09:02 2024
Quant Method : C:\msdchem\1\methods\SIMCL-08-28-2024.M
Quant Title : Standard Methods 6200B
QLast Update : Wed Aug 28 11:30:23 2024
Response via : Initial Calibration



(9) Chloroform

6.878min (-0.005) 0.35ug/L

response 1180

Ion	Exp%	Act%
83.00	100	100
85.00	65.90	65.94
47.00	21.00	31.63
0.00	0.00	0.00

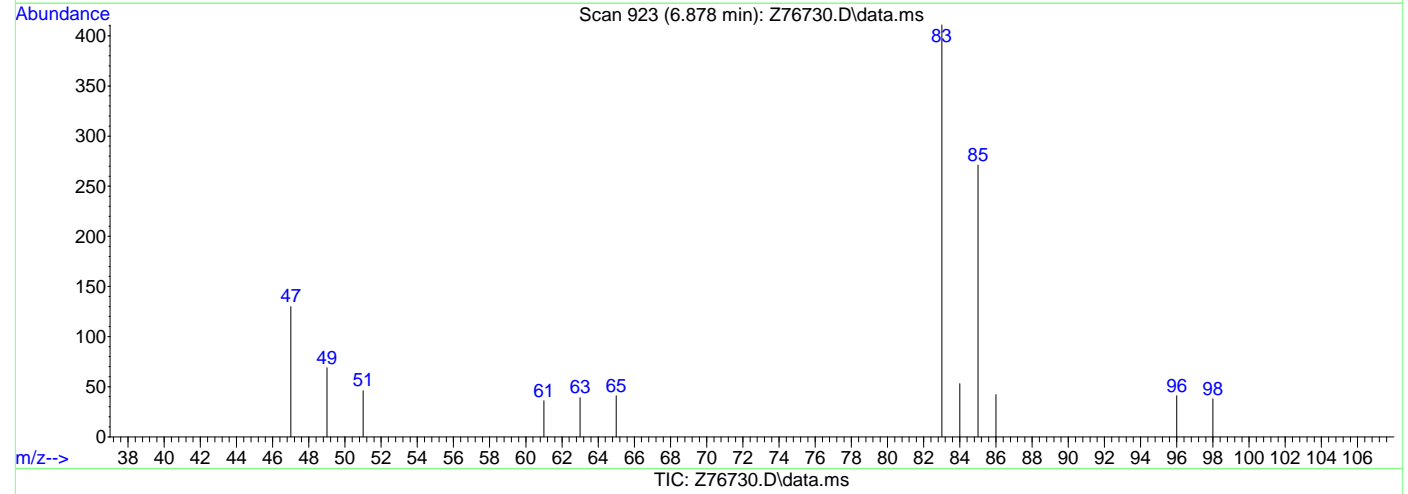
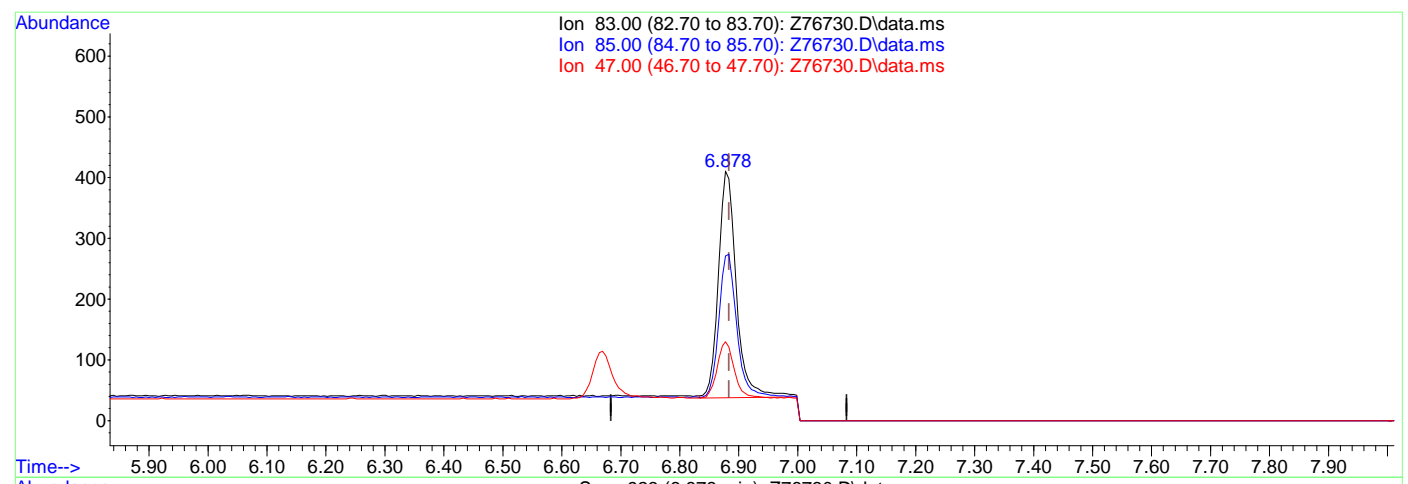


7.1.12
7

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\090424\
Data File : Z76730.D
Acq On : 4 Sep 2024 9:51 am
Operator : claudias
Sample : FC18328-1
Misc : MS57418,VZ3089,,,,,
ALS Vial : 7 Sample Multiplier: 1
Inst : MSVOA15-Z

Quant Time: Sep 04 10:09:02 2024
Quant Method : C:\msdchem\1\methods\SIMCL-08-28-2024.M
Quant Title : Standard Methods 6200B
QLast Update : Wed Aug 28 11:30:23 2024
Response via : Initial Calibration



(9) Chloroform

6.878min (-0.005) 0.24ug/L m

response 796

Ion	Exp%	Act%
83.00	100	100
85.00	65.90	65.94
47.00	21.00	31.63
0.00	0.00	0.00



7.1.1.3
7

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\090424\
Data File : Z76731.D
Acq On : 4 Sep 2024 10:14 am
Operator : claudias
Sample : FC18328-2 Inst : MSVOA15-Z
Misc : MS57418,VZ3089,,,,,
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Sep 04 10:35:42 2024
Quant Method : C:\msdchem\1\methods\SIMCL-08-28-2024.M
Quant Title : Standard Methods 6200B
QLast Update : Wed Aug 28 11:30:23 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	

Internal Standards							
1) Fluorobenzene	7.895	96	19169	5.00	ug/L	0.00	
18) Chlorobenzene-d5	10.975	117	23015	5.00	ug/L	0.00	
System Monitoring Compounds							
13) 1,2-Dichloroethane-d4	7.621	65	6565	5.65	ug/L	0.00	
Spiked Amount	5.000	Range	74 - 125	Recovery	=	113.00%	
19) Toluene-d8	9.428	98	24127	4.70	ug/L	0.00	
Spiked Amount	5.000	Range	88 - 111	Recovery	=	94.00%	
Target Compounds							
5) Methylene Chloride	5.208	49	347	0.12	ug/L		Qvalue 93
9) Chloroform	6.878	83	838m	0.24	ug/L		
10) Carbon Tetrachloride	7.051	117	4612	1.85	ug/L		98
15) Trichloroethene	8.061	95	90	0.06	ug/L		84

(#) = qualifier out of range (m) = manual integration (+) = signals summed

7.12
7

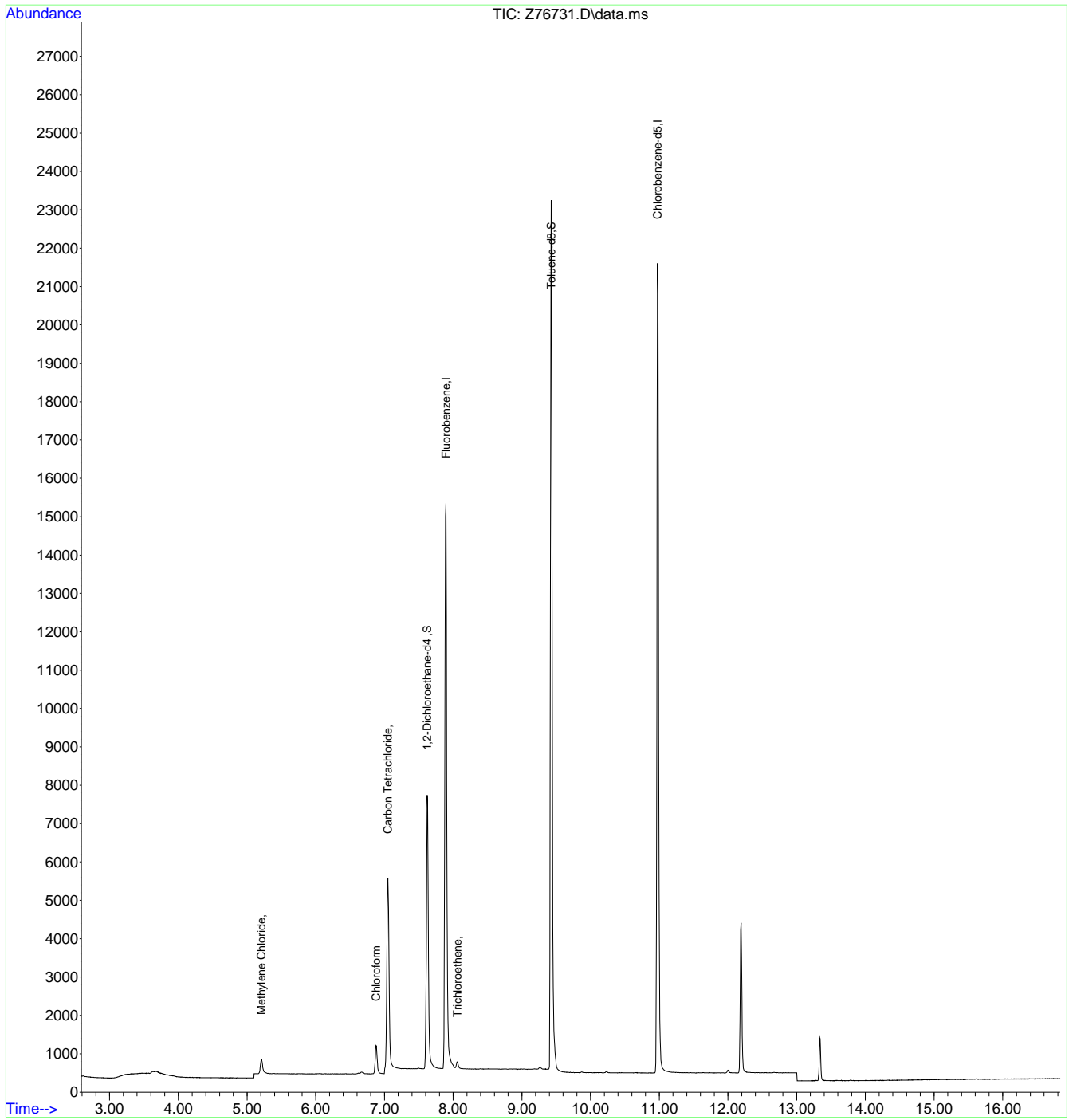


Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\090424\
Data File : Z76731.D
Acq On : 4 Sep 2024 10:14 am
Operator : claudias
Sample : FC18328-2
Misc : MS57418,VZ3089,,,,,
ALS Vial : 8 Sample Multiplier: 1

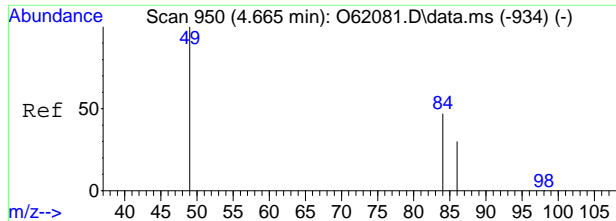
Inst : MSVOA15-Z

Quant Time: Sep 04 10:35:42 2024
Quant Method : C:\msdchem\1\methods\SIMCL-08-28-2024.M
Quant Title : Standard Methods 6200B
QLast Update : Wed Aug 28 11:30:23 2024
Response via : Initial Calibration



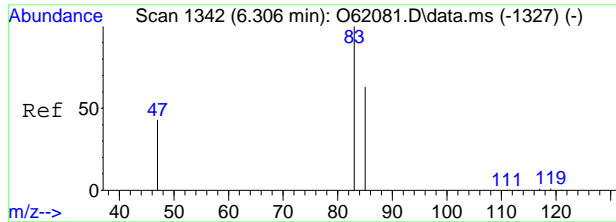
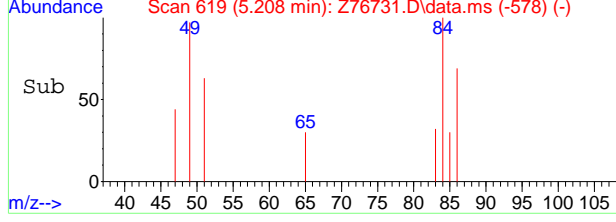
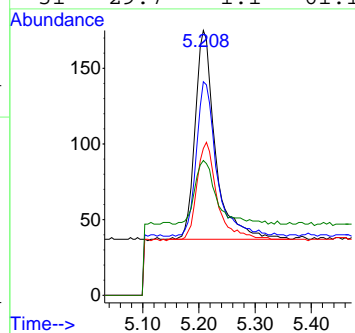
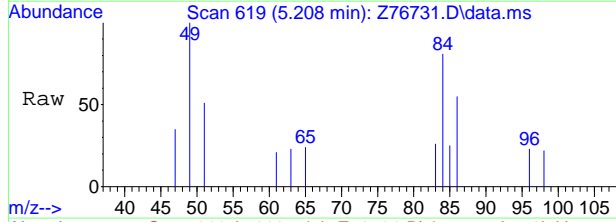
7.1.2
7





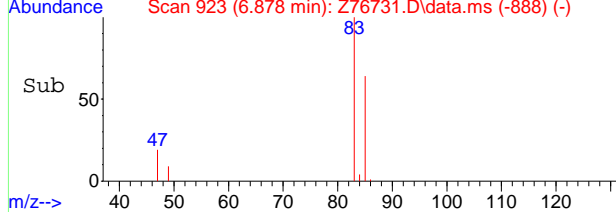
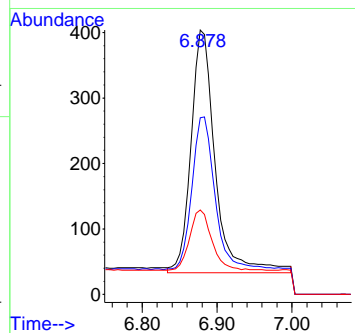
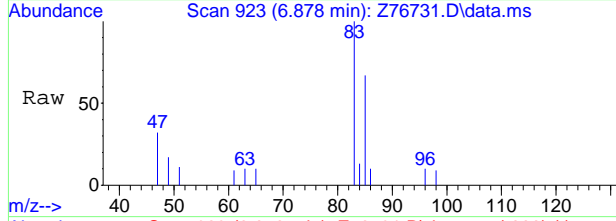
#5
 Methylene Chloride
 Concen: 0.12 ug/L
 RT: 5.208 min Scan# 619
 Delta R.T. -0.005 min
 Lab File: Z76731.D
 Acq: 4 Sep 2024 10:14 am

Tgt Ion	Ratio	Lower	Upper
49	100		
84	73.9	49.7	109.7
86	44.2	22.0	82.0
51	29.7	1.1	61.1



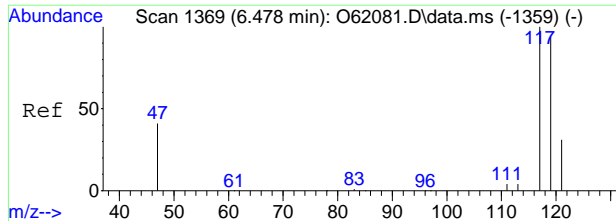
#9
 Chloroform
 Concen: 0.24 ug/L m
 RT: 6.878 min Scan# 923
 Delta R.T. -0.005 min
 Lab File: Z76731.D
 Acq: 4 Sep 2024 10:14 am

Tgt Ion	Ratio	Lower	Upper
83	100		
85	66.8	35.9	95.9
47	31.9	0.0	51.0



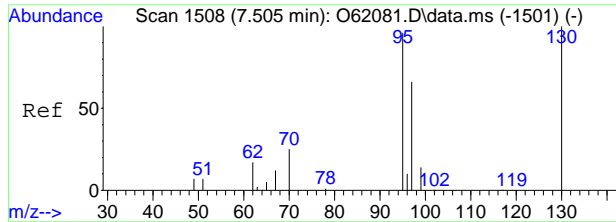
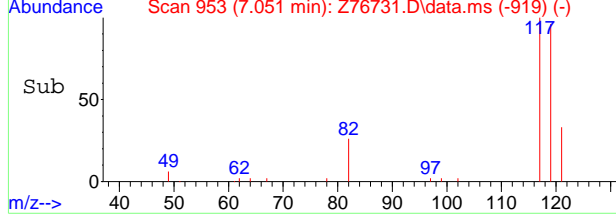
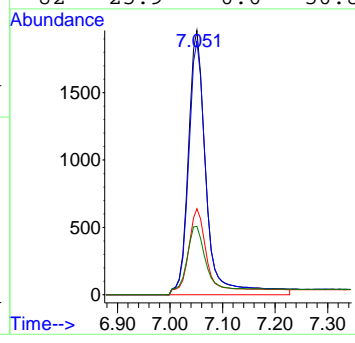
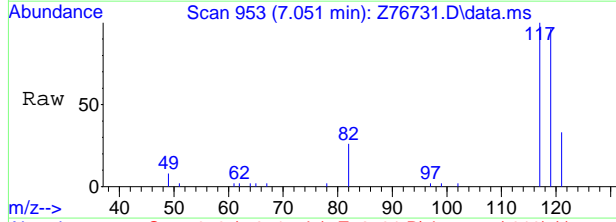
7.12
7





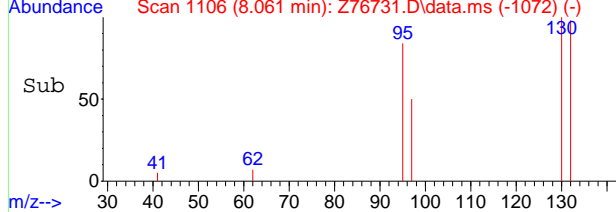
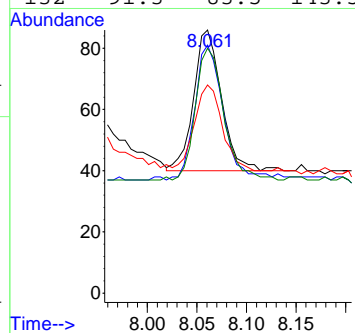
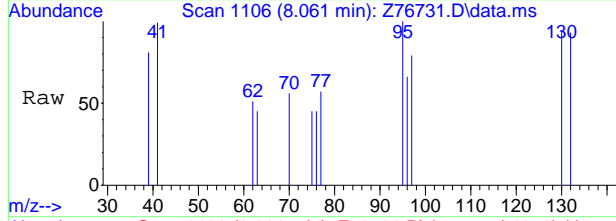
#10
Carbon Tetrachloride
Concen: 1.85 ug/L
RT: 7.051 min Scan# 953
Delta R.T. -0.007 min
Lab File: Z76731.D
Acq: 4 Sep 2024 10:14 am

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.8	66.2	126.2
121	32.5	1.2	61.2
82	25.9	0.0	50.8



#15
Trichloroethene
Concen: 0.06 ug/L
RT: 8.061 min Scan# 1106
Delta R.T. -0.000 min
Lab File: Z76731.D
Acq: 4 Sep 2024 10:14 am

Tgt Ion	Ratio	Lower	Upper
95	100		
130	95.7	84.5	144.5
97	60.9	36.4	96.4
132	91.3	83.5	143.5



Manual Integration Approval Summary

Sample Number: FC18328-2 **Method:** SW846 8260D BY SIM
Lab FileID: Z76731.D **Analyst approved:** 09/05/24 06:45 Claudia Sosa
Injection Time: 09/04/24 10:14 **Supervisor approved:** 09/05/24 09:02 Karen Watson

Parameter	CAS	Sig#	R.T. (min.)	Reason
Chloroform	67-66-3		6.88	Poor instrument integration

7.1.2.1

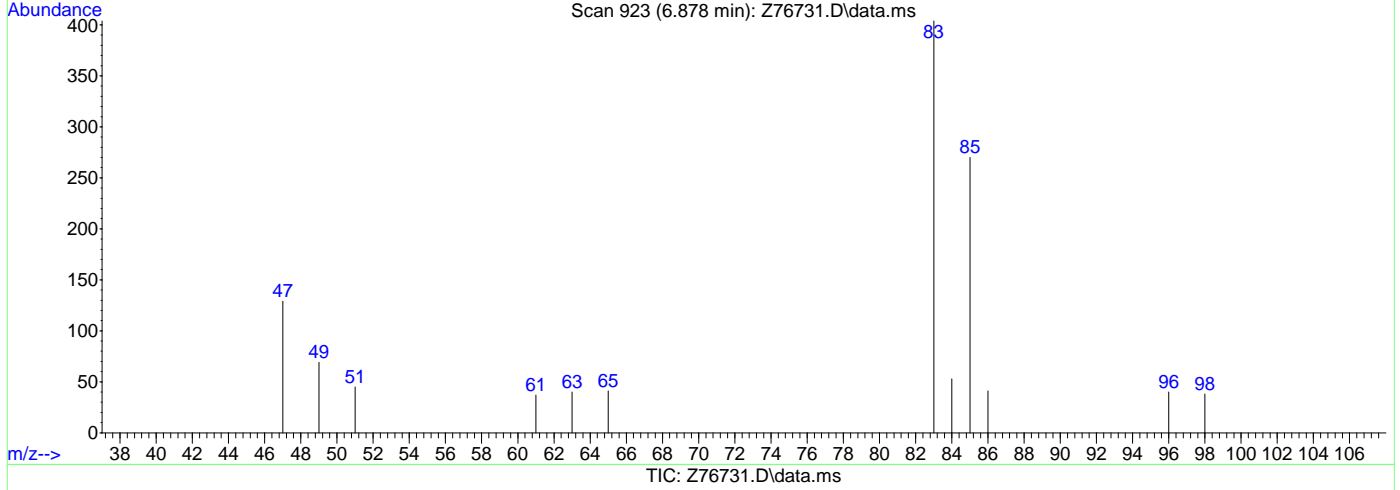
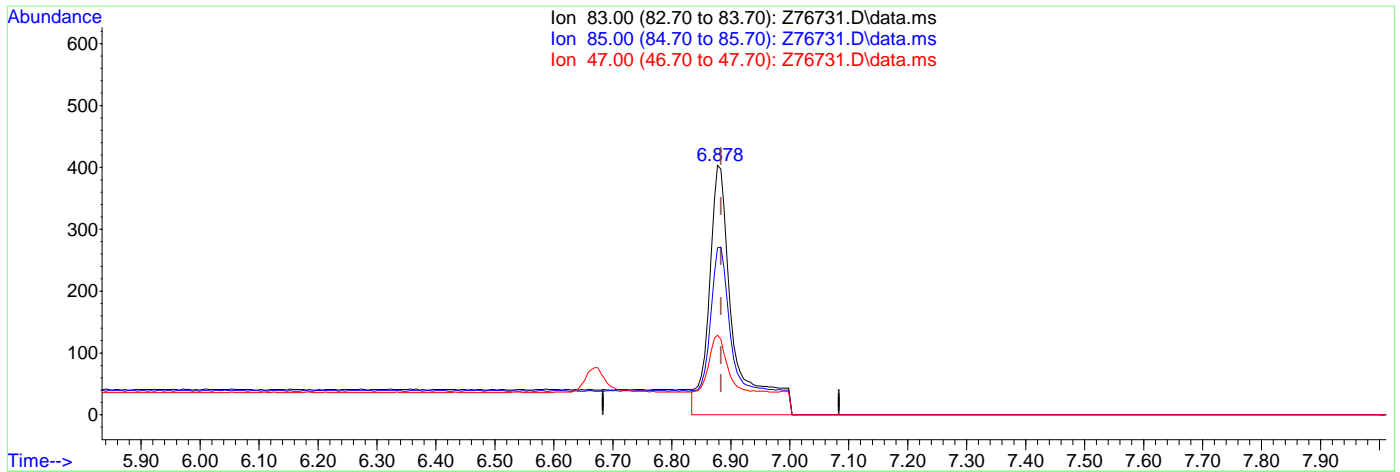
7

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\090424\
Data File : Z76731.D
Acq On : 4 Sep 2024 10:14 am
Operator : claudias
Sample : FC18328-2
Misc : MS57418,VZ3089,,,,,
ALS Vial : 8 Sample Multiplier: 1

Inst : MSVOA15-Z

Quant Time: Sep 04 10:34:55 2024
Quant Method : C:\msdchem\1\methods\SIMCL-08-28-2024.M
Quant Title : Standard Methods 6200B
QLast Update : Wed Aug 28 11:30:23 2024
Response via : Initial Calibration



(9) Chloroform

6.878min (-0.005) 0.34ug/L

response 1173

Ion	Exp%	Act%
83.00	100	100
85.00	65.90	66.83
47.00	21.00	31.93
0.00	0.00	0.00



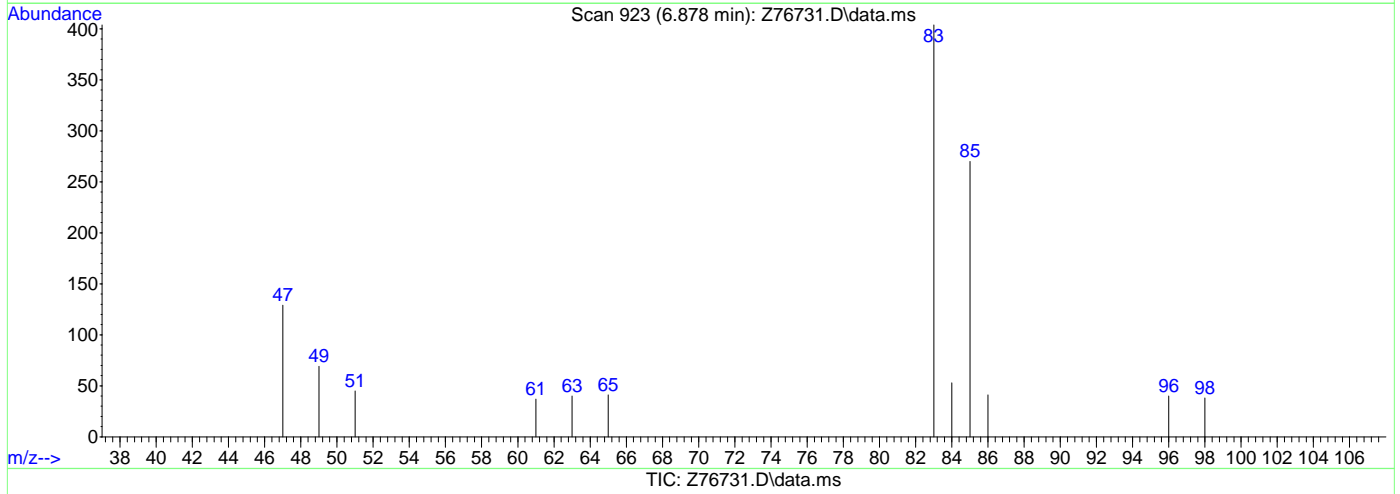
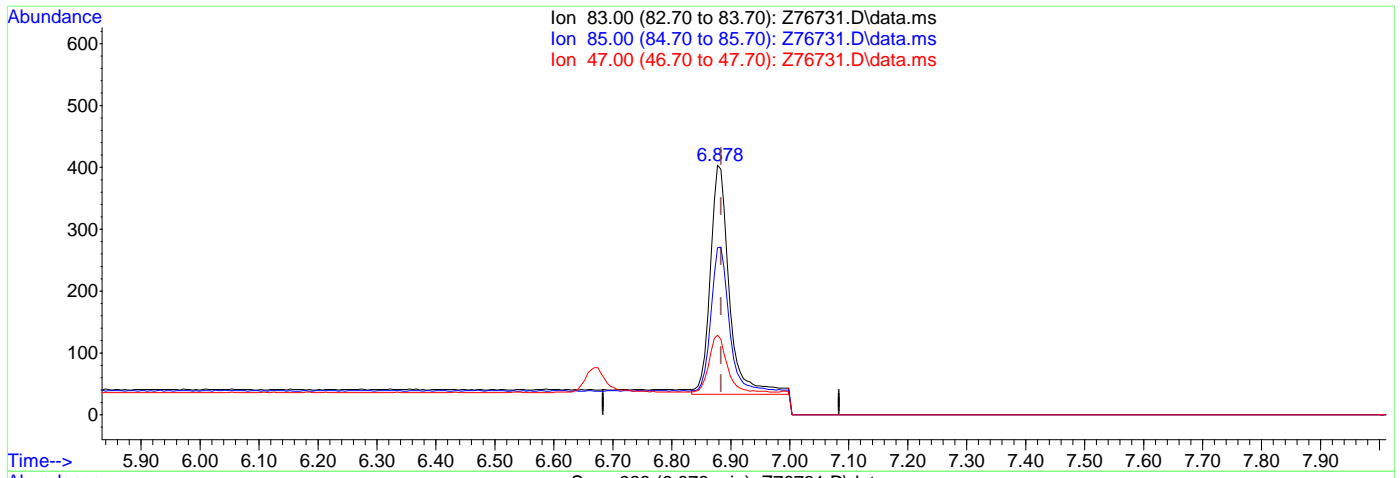
7.1.22
7

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\090424\
Data File : Z76731.D
Acq On : 4 Sep 2024 10:14 am
Operator : claudias
Sample : FC18328-2
Misc : MS57418,VZ3089,,,,,
ALS Vial : 8 Sample Multiplier: 1

Inst : MSVOA15-Z

Quant Time: Sep 04 10:34:55 2024
Quant Method : C:\msdchem\1\methods\SIMCL-08-28-2024.M
Quant Title : Standard Methods 6200B
QLast Update : Wed Aug 28 11:30:23 2024
Response via : Initial Calibration



(9) Chloroform

6.878min (-0.005) 0.24ug/L m

response 838

Ion	Exp%	Act%
83.00	100	100
85.00	65.90	66.83
47.00	21.00	31.93
0.00	0.00	0.00



7.1.2.3
7

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\090424\
Data File : Z76732.D
Acq On : 4 Sep 2024 10:37 am
Operator : claudias
Sample : FC18328-3 Inst : MSVOA15-Z
Misc : MS57418,VZ3089,,,,,
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Sep 04 11:00:29 2024
Quant Method : C:\msdchem\1\methods\SIMCL-08-28-2024.M
Quant Title : Standard Methods 6200B
QLast Update : Wed Aug 28 11:30:23 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Fluorobenzene	7.895	96	19265	5.00	ug/L	0.00
18) Chlorobenzene-d5	10.975	117	23206	5.00	ug/L	0.00
System Monitoring Compounds						
13) 1,2-Dichloroethane-d4	7.622	65	6656	5.70	ug/L	0.00
Spiked Amount	5.000	Range 74 - 125	Recovery	=	114.00%	
19) Toluene-d8	9.428	98	24252	4.69	ug/L	0.00
Spiked Amount	5.000	Range 88 - 111	Recovery	=	93.80%	
Target Compounds						
5) Methylene Chloride	5.208	49	341	0.12	ug/L	Qvalue 92

(#) = qualifier out of range (m) = manual integration (+) = signals summed

7.1.3
7

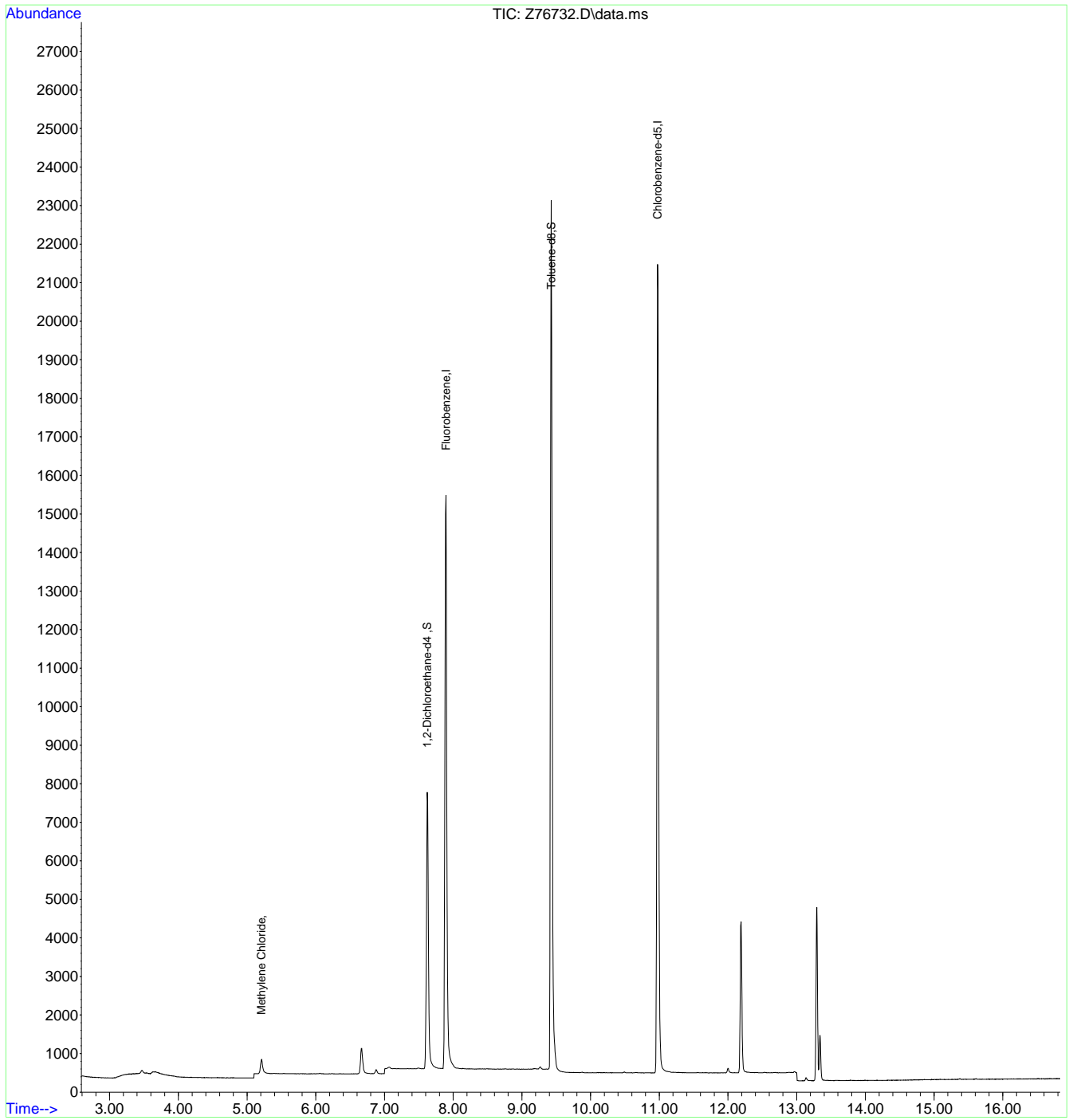


Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\090424\
Data File : Z76732.D
Acq On : 4 Sep 2024 10:37 am
Operator : claudias
Sample : FC18328-3
Misc : MS57418,VZ3089,,,,,
ALS Vial : 9 Sample Multiplier: 1

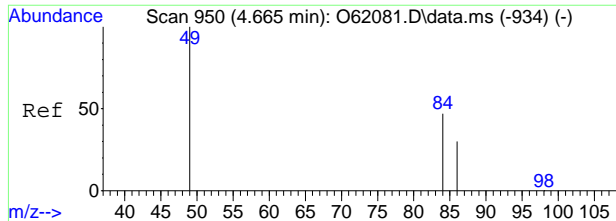
Inst : MSVOA15-Z

Quant Time: Sep 04 11:00:29 2024
Quant Method : C:\msdchem\1\methods\SIMCL-08-28-2024.M
Quant Title : Standard Methods 6200B
QLast Update : Wed Aug 28 11:30:23 2024
Response via : Initial Calibration



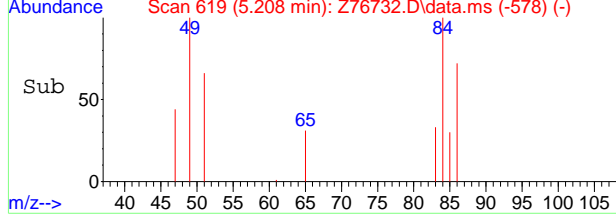
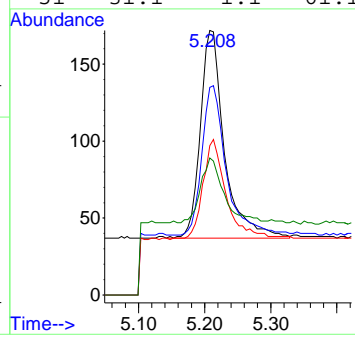
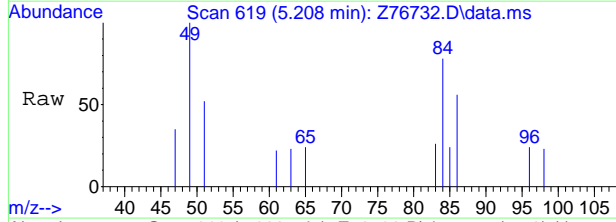
7.1.3
7





#5
 Methylene Chloride
 Concen: 0.12 ug/L
 RT: 5.208 min Scan# 619
 Delta R.T. -0.005 min
 Lab File: Z76732.D
 Acq: 4 Sep 2024 10:37 am

Tgt Ion	Ratio	Lower	Upper
49	100		
84	71.1	49.7	109.7
86	44.4	22.0	82.0
51	31.1	1.1	61.1



7.1.3
7



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\090424\
 Data File : Z76728.D
 Acq On : 4 Sep 2024 8:54 am
 Operator : claudias
 Sample : MB Inst : MSVOA15-Z
 Misc : MS57418,VZ3089,,,,,
 ALS Vial : 5 Sample Multiplier: 1

Quant Time: Sep 04 09:11:46 2024
 Quant Method : C:\msdchem\1\methods\SIMCL-08-28-2024.M
 Quant Title : Standard Methods 6200B
 QLast Update : Wed Aug 28 11:30:23 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Fluorobenzene	7.895	96	19770	5.00	ug/L	0.00
18) Chlorobenzene-d5	10.975	117	23821	5.00	ug/L	0.00
System Monitoring Compounds						
13) 1,2-Dichloroethane-d4	7.621	65	6770	5.65	ug/L	0.00
Spiked Amount	5.000	Range 74 - 125	Recovery	=	113.00%	
19) Toluene-d8	9.428	98	24829	4.67	ug/L	0.00
Spiked Amount	5.000	Range 88 - 111	Recovery	=	93.40%	
Target Compounds						
5) Methylene Chloride	5.208	49	786	0.26	ug/L	Qvalue 92

(#) = qualifier out of range (m) = manual integration (+) = signals summed

7.2.1
7

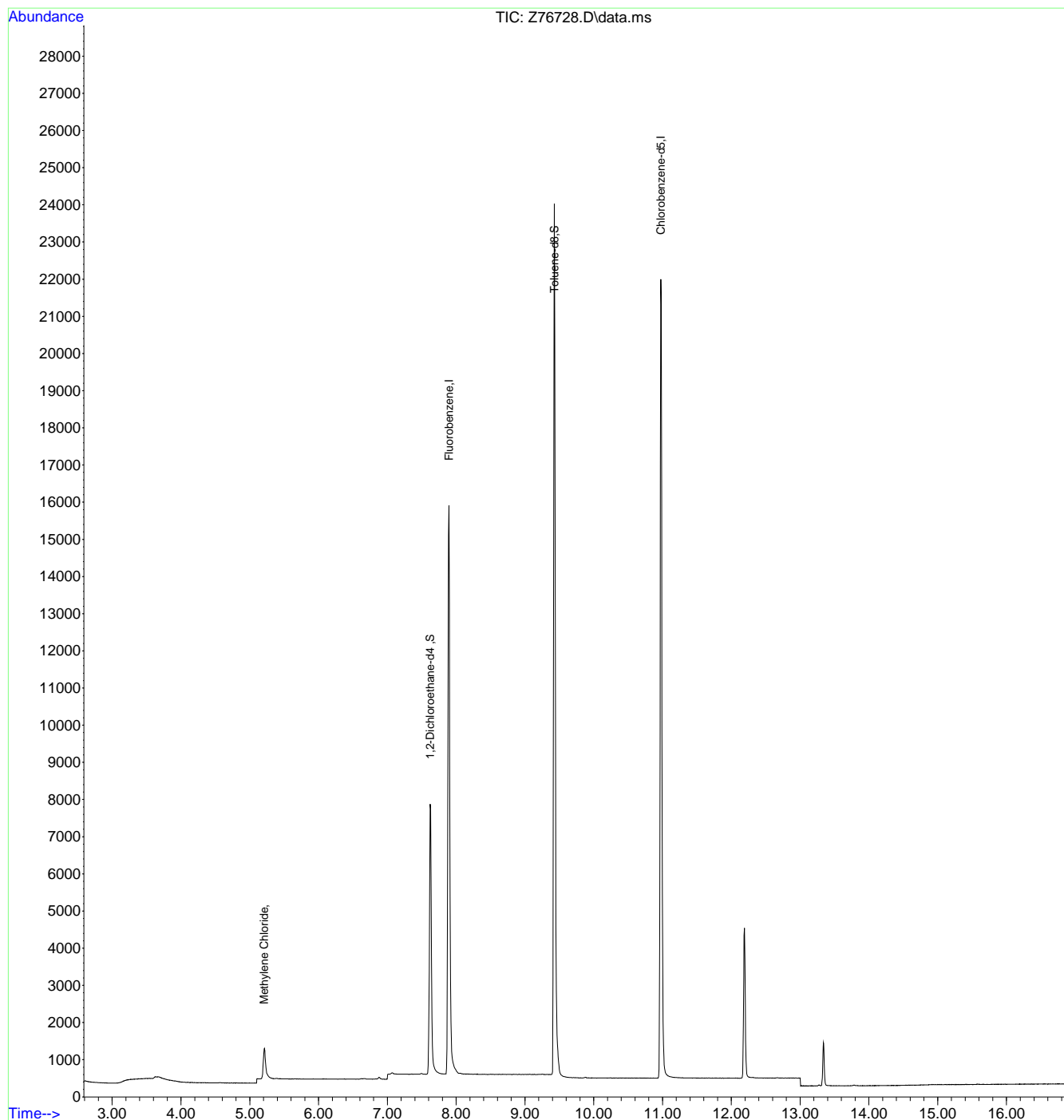


Quantitation Report (QT Reviewed)

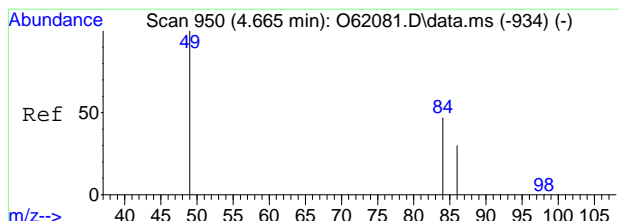
Data Path : C:\msdchem\1\data\090424\
Data File : Z76728.D
Acq On : 4 Sep 2024 8:54 am
Operator : claudias
Sample : MB
Misc : MS57418,VZ3089,,,,,
ALS Vial : 5 Sample Multiplier: 1

Inst : MSVOA15-Z

Quant Time: Sep 04 09:11:46 2024
Quant Method : C:\msdchem\1\methods\SIMCL-08-28-2024.M
Quant Title : Standard Methods 6200B
QLast Update : Wed Aug 28 11:30:23 2024
Response via : Initial Calibration

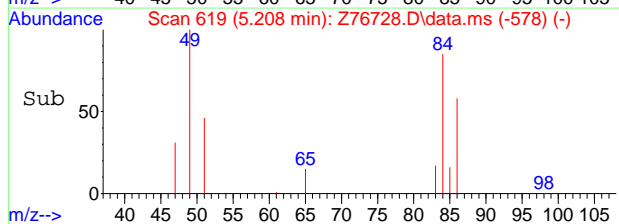
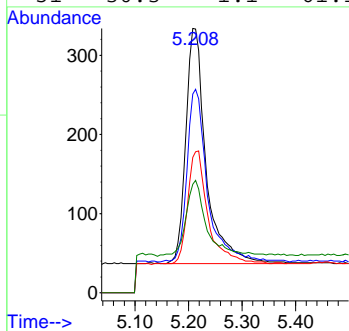
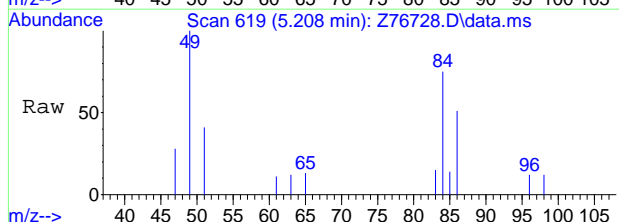


7.2.1
7



#5
 Methylene Chloride
 Concen: 0.26 ug/L
 RT: 5.208 min Scan# 619
 Delta R.T. -0.005 min
 Lab File: Z76728.D
 Acq: 4 Sep 2024 8:54 am

Tgt Ion	Ratio	Lower	Upper
49	100		
84	71.0	49.7	109.7
86	45.1	22.0	82.0
51	30.3	1.1	61.1



7.2.1
7

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\090424\
 Data File : Z76726.D
 Acq On : 4 Sep 2024 7:53 am
 Operator : claudias
 Sample : bs Inst : MSVOA15-Z
 Misc : MS57405,VZ3089,,,,,
 ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 04 08:11:09 2024
 Quant Method : C:\msdchem\1\methods\SIMCL-08-28-2024.M
 Quant Title : Standard Methods 6200B
 QLast Update : Wed Aug 28 11:30:23 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	

Internal Standards							
1) Fluorobenzene	7.894	96	18930	5.00	ug/L	0.00	
18) Chlorobenzene-d5	10.975	117	22704	5.00	ug/L	0.00	
System Monitoring Compounds							
13) 1,2-Dichloroethane-d4	7.621	65	6451	5.63	ug/L	0.00	
Spiked Amount	5.000	Range 74 - 125	Recovery	=	112.60%		
19) Toluene-d8	9.428	98	23476	4.64	ug/L	0.00	
Spiked Amount	5.000	Range 88 - 111	Recovery	=	92.80%		
Target Compounds							
							Qvalue
2) Vinyl Chloride	3.188	62	9861	5.19	ug/L		100
3) Chloromethane	3.120	50	11651	5.40	ug/L		98
4) 1,1-Dichloroethene	4.561	61	13892	6.55	ug/L		95
5) Methylene Chloride	5.208	49	19104	7.58	ug/L		92
6) trans-1,2-Dichloroethene	5.383	61	13704	6.74	ug/L		93
7) 1,1-Dichloroethane	6.059	63	17512	7.17	ug/L		100
8) cis-1,2-Dichloroethene	6.619	96	10404	6.31	ug/L		91
9) Chloroform	6.877	83	18676	5.94	ug/L		96
10) Carbon Tetrachloride	7.051	117	11979	5.08	ug/L		99
11) 1,1,1-Trichloroethane	7.119	97	15419	6.04	ug/L		96
12) Benzene	7.492	78	30484	5.56	ug/L		94
14) 1,2-Dichloroethane	7.689	62	12751	6.38	ug/L		94
15) Trichloroethene	8.055	95	7943	5.36	ug/L		87
16) 1,2-Dichloropropane	8.582	63	8396	5.58	ug/L		91
17) cis-1,3-Dichloropropene	9.240	75	11638	5.01	ug/L		91
20) trans-1,3-Dichloropropene	9.869	75	9732	3.98	ug/L		92
21) Tetrachloroethene	9.869	166	8159	4.75	ug/L #		90
22) 1,4-Dichlorobenzene	13.354	146	19666	5.09	ug/L		93
23) 1,2-Dibromo-3-Chloropr...	14.517	75	1997	3.75	ug/L #		66

(#) = qualifier out of range (m) = manual integration (+) = signals summed

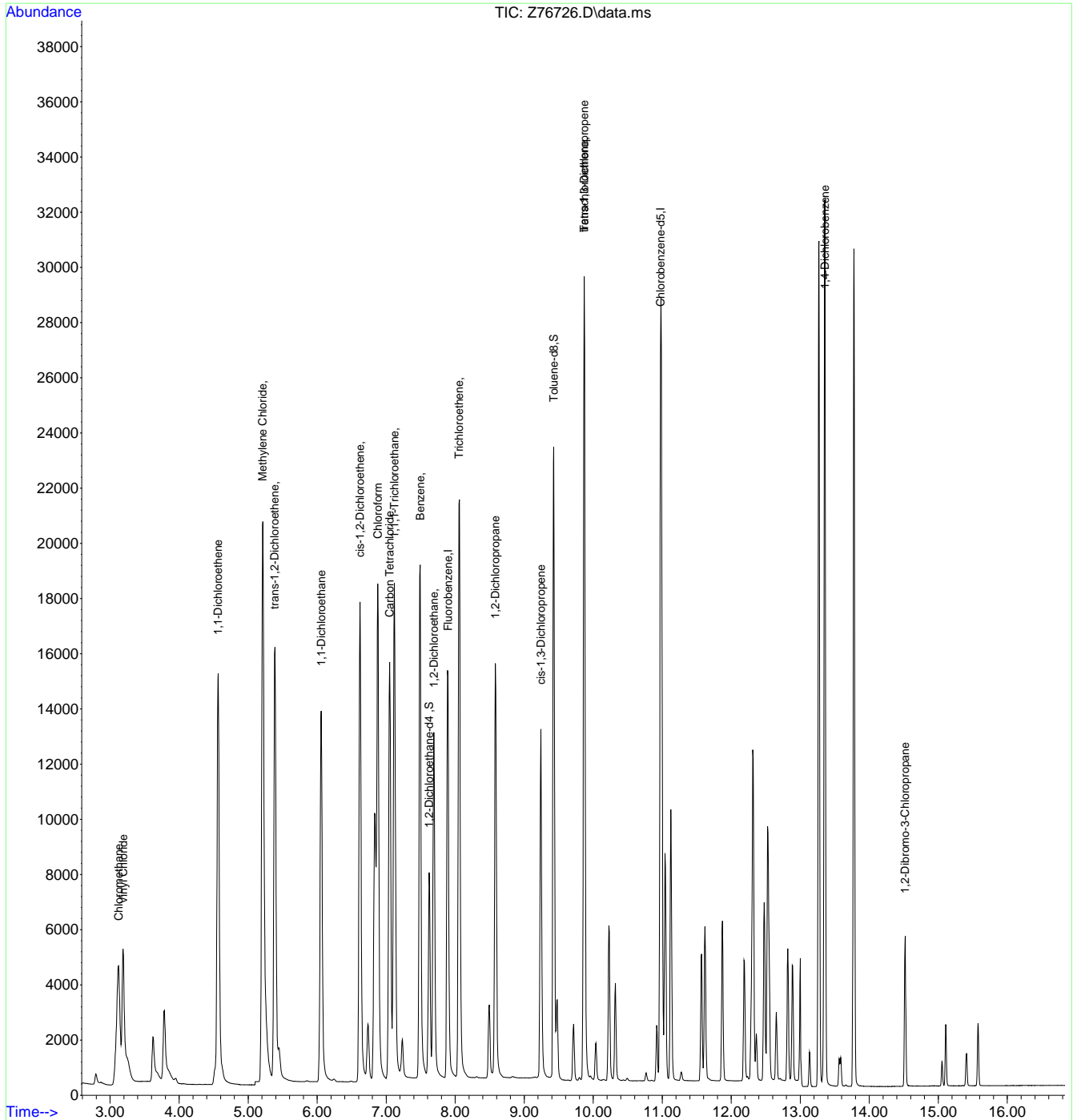
7.3.1
7

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\090424\
 Data File : Z76726.D
 Acq On : 4 Sep 2024 7:53 am
 Operator : claudias
 Sample : bs
 Misc : MS57405,VZ3089,,,,,
 ALS Vial : 3 Sample Multiplier: 1

Inst : MSVOA15-Z

Quant Time: Sep 04 08:11:09 2024
 Quant Method : C:\msdchem\1\methods\SIMCL-08-28-2024.M
 Quant Title : Standard Methods 6200B
 QLast Update : Wed Aug 28 11:30:23 2024
 Response via : Initial Calibration



7.3.1
7

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\090424\
 Data File : Z76739.D
 Acq On : 4 Sep 2024 1:17 pm
 Operator : claudias
 Sample : Fc18326-36ms Inst : MSVOA15-Z
 Misc : MS57418,VZ3089,,,,,5
 ALS Vial : 16 Sample Multiplier: 1

Quant Time: Sep 05 06:16:09 2024
 Quant Method : C:\msdchem\1\methods\SIMCL-08-28-2024.M
 Quant Title : Standard Methods 6200B
 QLast Update : Wed Aug 28 11:30:23 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	

Internal Standards							
1) Fluorobenzene	7.894	96	18462	5.00	ug/L	0.00	
18) Chlorobenzene-d5	10.975	117	21872	5.00	ug/L	0.00	
System Monitoring Compounds							
13) 1,2-Dichloroethane-d4	7.628	65	6580	5.88	ug/L	0.00	
Spiked Amount	5.000	Range 74 - 125	Recovery	=	117.60%		
19) Toluene-d8	9.428	98	22599	4.63	ug/L	0.00	
Spiked Amount	5.000	Range 88 - 111	Recovery	=	92.60%		
Target Compounds							
							Qvalue
2) Vinyl Chloride	3.183	62	9646	5.20	ug/L		99
3) Chloromethane	3.120	50	10851	5.14	ug/L		98
4) 1,1-Dichloroethene	4.561	61	14194	6.89	ug/L		95
5) Methylene Chloride	5.208	49	17018	6.82	ug/L		91
6) trans-1,2-Dichloroethene	5.389	61	13300	6.71	ug/L		96
7) 1,1-Dichloroethane	6.059	63	17157	7.20	ug/L		100
8) cis-1,2-Dichloroethene	6.625	96	9833	6.10	ug/L		95
9) Chloroform	6.877	83	18108	5.90	ug/L		95
10) Carbon Tetrachloride	7.051	117	12032	5.24	ug/L		98
11) 1,1,1-Trichloroethane	7.119	97	15687	6.31	ug/L		94
12) Benzene	7.492	78	30761	5.75	ug/L		96
14) 1,2-Dichloroethane	7.689	62	12817	6.59	ug/L		93
15) Trichloroethene	8.060	95	8154	5.65	ug/L		89
16) 1,2-Dichloropropane	8.588	63	8598	5.86	ug/L		92
17) cis-1,3-Dichloropropene	9.240	75	11516	5.08	ug/L		87
20) trans-1,3-Dichloropropene	9.874	75	9622	4.09	ug/L		93
21) Tetrachloroethene	9.869	166	7947	4.80	ug/L #		88
22) 1,4-Dichlorobenzene	13.354	146	18200	4.89	ug/L		93
23) 1,2-Dibromo-3-Chloropr...	14.517	75	2236	4.38	ug/L #		63

(#) = qualifier out of range (m) = manual integration (+) = signals summed

7.4.1
7

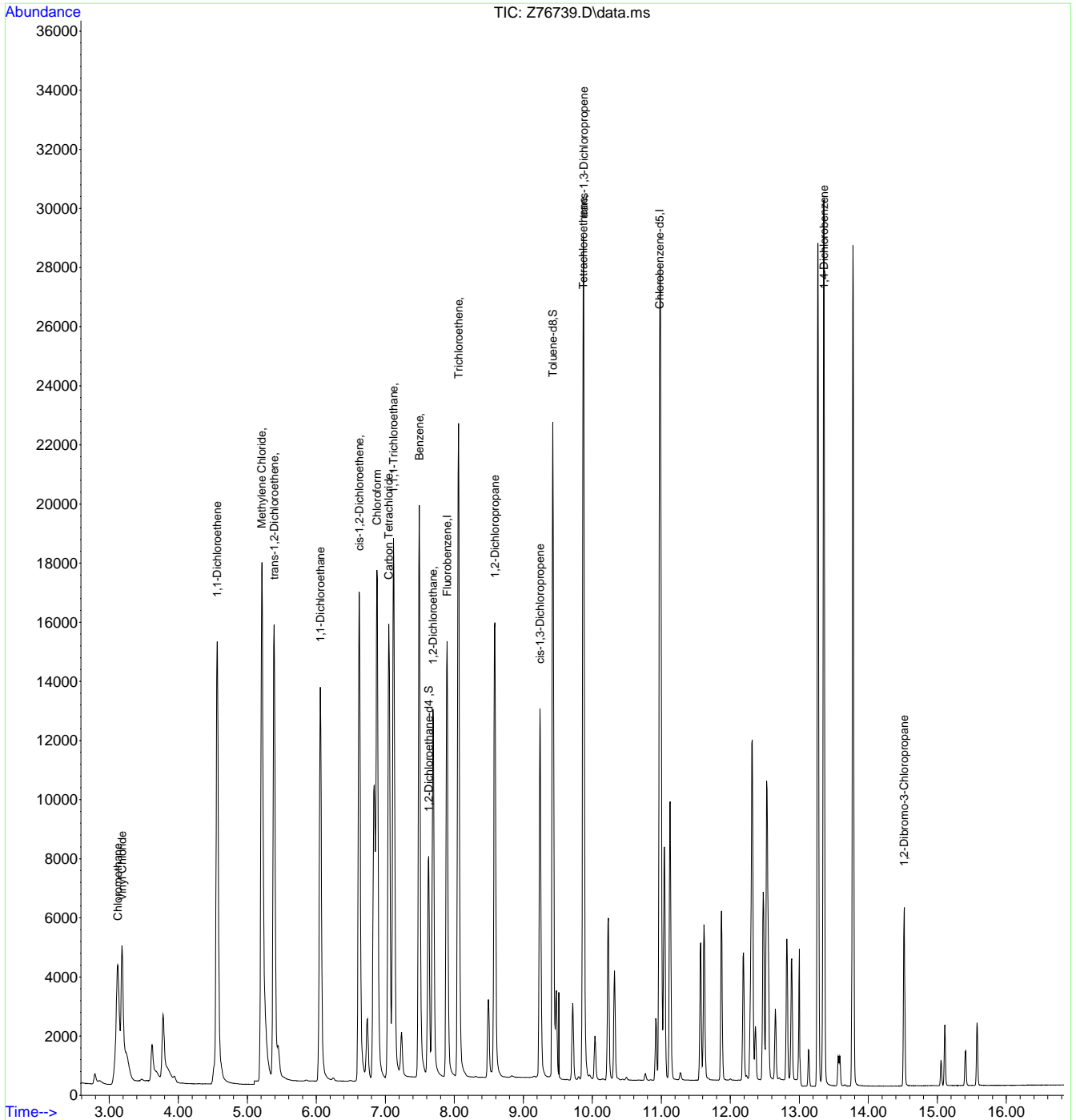


Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\090424\
Data File : Z76739.D
Acq On : 4 Sep 2024 1:17 pm
Operator : claudias
Sample : Fc18326-36ms
Misc : MS57418,VZ3089,,,,,5
ALS Vial : 16 Sample Multiplier: 1

Inst : MSVOA15-Z

Quant Time: Sep 05 06:16:09 2024
Quant Method : C:\msdchem\1\methods\SIMCL-08-28-2024.M
Quant Title : Standard Methods 6200B
QLast Update : Wed Aug 28 11:30:23 2024
Response via : Initial Calibration



7.4.1
7

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\090424\
 Data File : Z76740.D
 Acq On : 4 Sep 2024 1:40 pm
 Operator : claudias
 Sample : FC18326-36msd Inst : MSVOA15-Z
 Misc : MS57418,VZ3089,,,,,5
 ALS Vial : 17 Sample Multiplier: 1

Quant Time: Sep 05 06:16:13 2024
 Quant Method : C:\msdchem\1\methods\SIMCL-08-28-2024.M
 Quant Title : Standard Methods 6200B
 QLast Update : Wed Aug 28 11:30:23 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	

Internal Standards							
1) Fluorobenzene	7.894	96	18661	5.00	ug/L	0.00	
18) Chlorobenzene-d5	10.975	117	22209	5.00	ug/L	0.00	
System Monitoring Compounds							
13) 1,2-Dichloroethane-d4	7.628	65	6613	5.85	ug/L	0.00	
Spiked Amount	5.000	Range	74 - 125	Recovery	=	117.00%	
19) Toluene-d8	9.428	98	23031	4.65	ug/L	0.00	
Spiked Amount	5.000	Range	88 - 111	Recovery	=	93.00%	
Target Compounds							
							Qvalue
2) Vinyl Chloride	3.188	62	10152	5.43	ug/L		98
3) Chloromethane	3.129	50	11464	5.39	ug/L		99
4) 1,1-Dichloroethene	4.566	61	13202	6.30	ug/L		95
5) Methylene Chloride	5.213	49	17391	6.90	ug/L		92
6) trans-1,2-Dichloroethene	5.389	61	12400	6.16	ug/L		93
7) 1,1-Dichloroethane	6.059	63	16013	6.65	ug/L		99
8) cis-1,2-Dichloroethene	6.625	96	9173	5.61	ug/L		92
9) Chloroform	6.883	83	16847	5.40	ug/L		97
10) Carbon Tetrachloride	7.051	117	11285	4.84	ug/L		98
11) 1,1,1-Trichloroethane	7.126	97	14596	5.78	ug/L		96
12) Benzene	7.492	78	28592	5.29	ug/L		97
14) 1,2-Dichloroethane	7.696	62	11822	5.98	ug/L		95
15) Trichloroethene	8.060	95	7534	5.15	ug/L		88
16) 1,2-Dichloropropane	8.588	63	7921	5.34	ug/L		92
17) cis-1,3-Dichloropropene	9.240	75	10600	4.62	ug/L		86
20) trans-1,3-Dichloropropene	9.874	75	8832	3.70	ug/L		93
21) Tetrachloroethene	9.874	166	7409	4.40	ug/L #		91
22) 1,4-Dichlorobenzene	13.354	146	16884	4.47	ug/L		92
23) 1,2-Dibromo-3-Chloropr...	14.517	75	2030	3.91	ug/L #		63

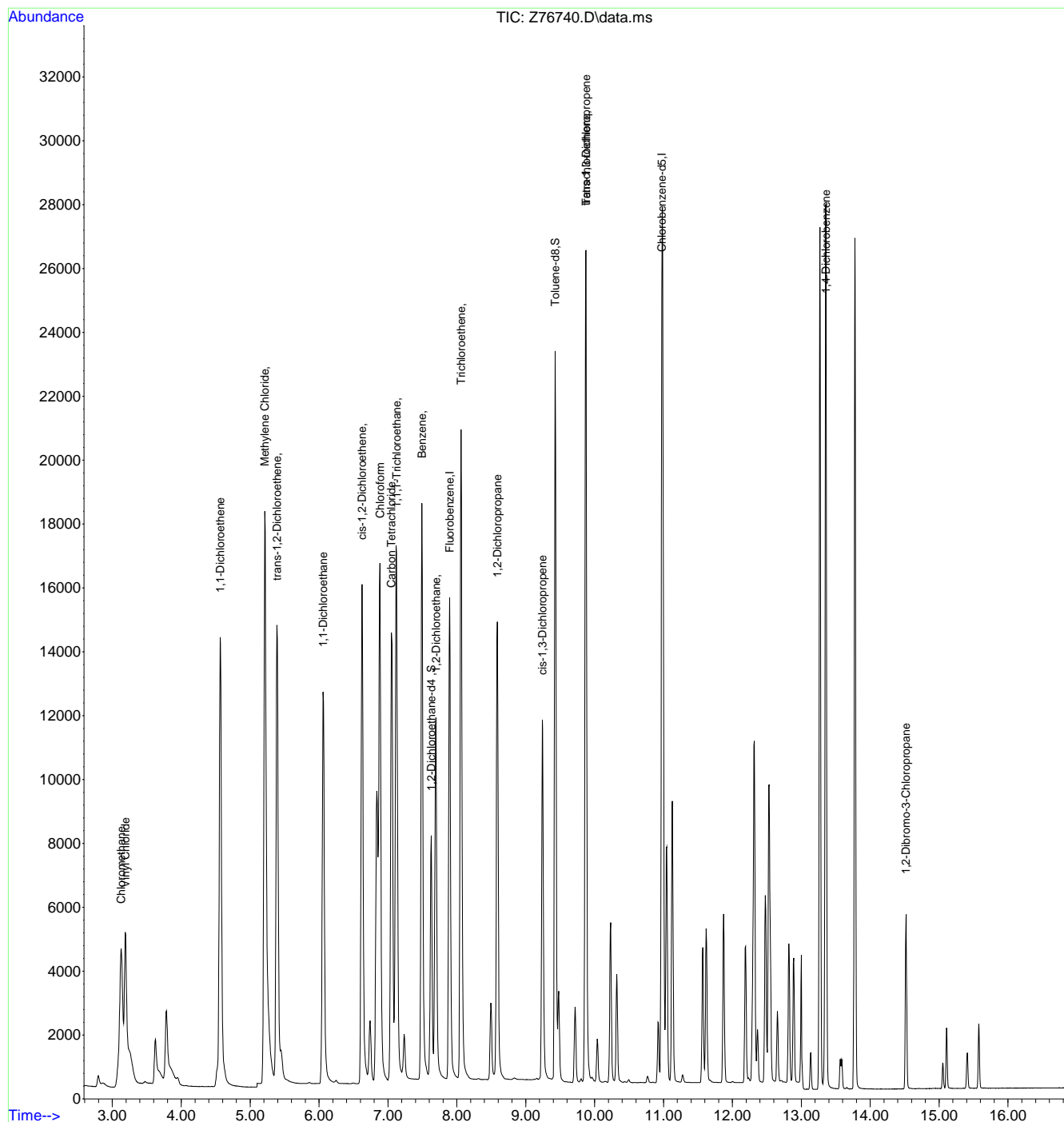
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\090424\
 Data File : Z76740.D
 Acq On : 4 Sep 2024 1:40 pm
 Operator : claudias
 Sample : FC18326-36msd
 Misc : MS57418,VZ3089,,,,,5
 ALS Vial : 17 Sample Multiplier: 1

Inst : MSVOA15-Z

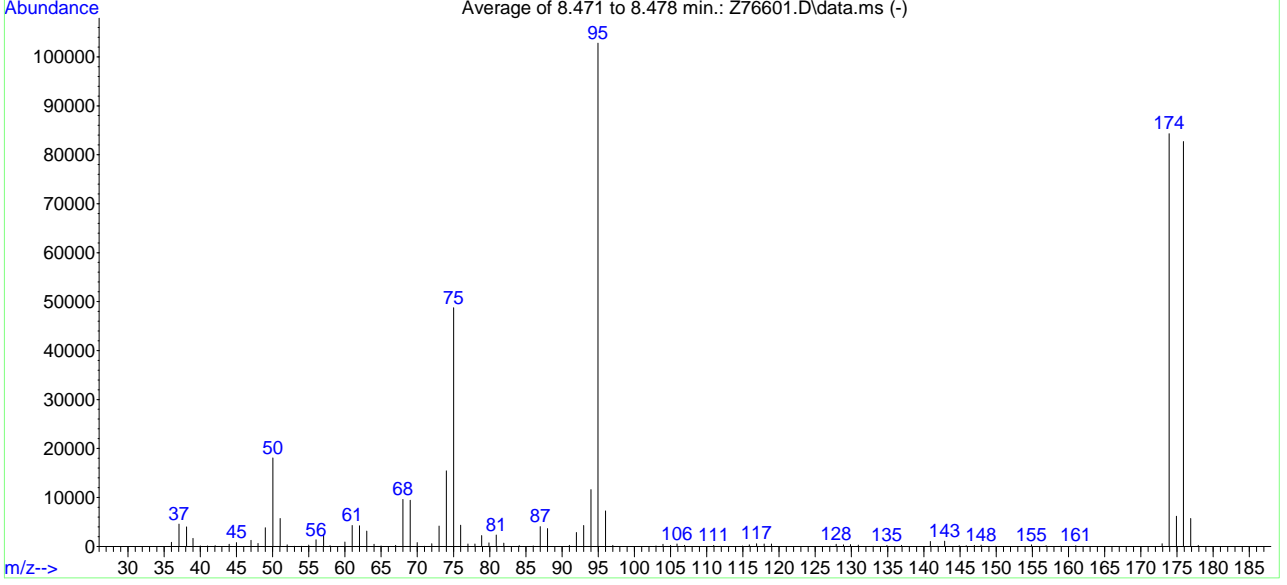
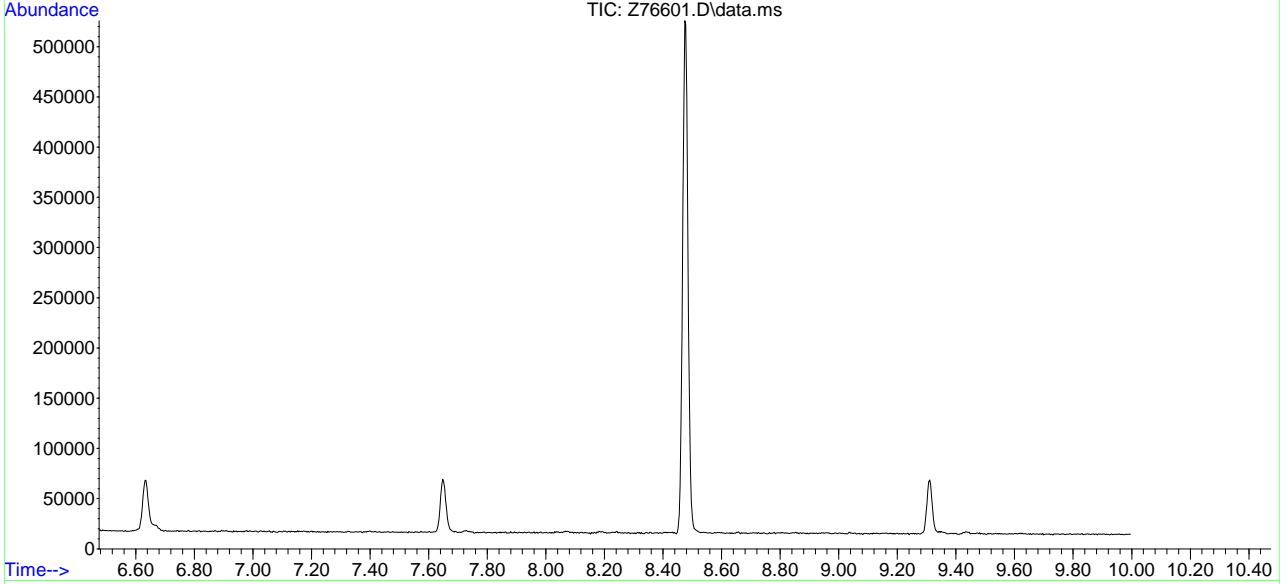
Quant Time: Sep 05 06:16:13 2024
 Quant Method : C:\msdchem\1\methods\SIMCL-08-28-2024.M
 Quant Title : Standard Methods 6200B
 QLast Update : Wed Aug 28 11:30:23 2024
 Response via : Initial Calibration



Methods: SW-846 8260B

Data File : C:\msdchem\1\data\082824\Z76601.D Vial: 1
 Acq On : 28 Aug 2024 7:36 am Operator: claudias
 Sample : bfb Inst : MSVOA15-Z
 Misc : MS57344,VZ3084,,,,, Multiplr: 1.00
 MS Integration Params: micro.p

Method : C:\msdchem\1\met...MCL-08-28-2024.M (RTE Integrator)
 Title : Standard Methods 6200B



AutoFind: Scans 1488, 1489, 1490; Background Corrected with Scan 1477

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
95	95	100	100	100.0	102783	PASS
96	95	5	9	7.1	7256	PASS
173	174	0.00	2	0.6	537	PASS
174	95	50	200	82.0	84304	PASS
175	174	5	9	7.3	6173	PASS
176	174	95	105	98.1	82709	PASS
177	176	5	10	6.9	5685	PASS



7.5.1
7

Methods: SW-846 8260B

Data File : C:\msdchem\1\data\090424\Z76724.D

Vial: 1

Acq On : 4 Sep 2024 6:49 am

Operator: claudias

Sample : BFB

Inst : MSVOA15-Z

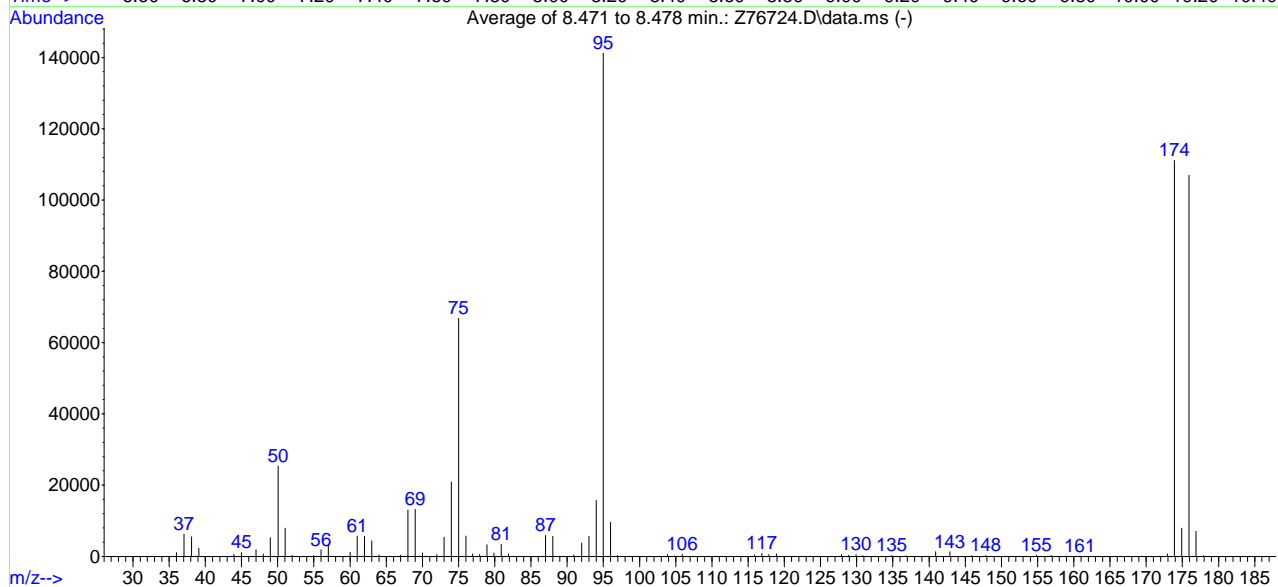
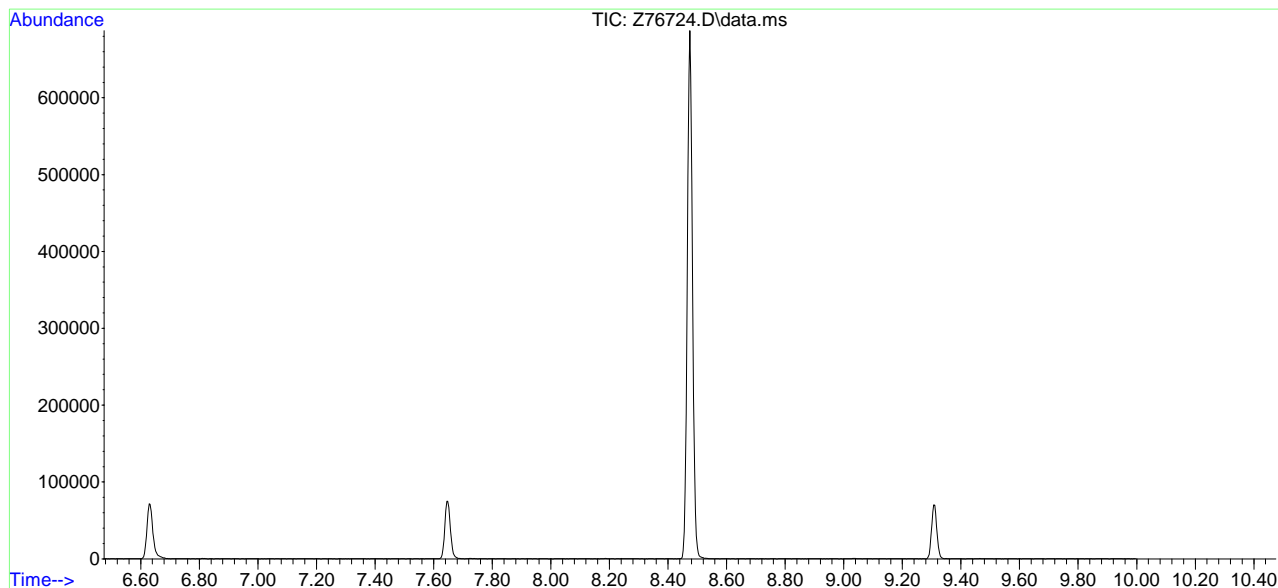
Misc : MS57405,VZ3089,,,,,

Multiplr: 1.00

MS Integration Params: micro.p

Method : C:\msdchem\1\met...MCL-08-28-2024.M (RTE Integrator)

Title : Standard Methods 6200B



AutoFind: Scans 1488, 1489, 1490; Background Corrected with Scan 1477

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
95	95	100	100	100.0	141205	PASS
96	95	5	9	6.8	9537	PASS
173	174	0.00	2	0.6	652	PASS
174	95	50	200	78.7	111064	PASS
175	174	5	9	7.1	7903	PASS
176	174	95	105	96.3	106971	PASS
177	176	5	10	6.6	7010	PASS

7.5.2
7

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\082824\
 Data File : Z76603.D
 Acq On : 28 Aug 2024 8:29 am
 Operator : claudias
 Sample : IC3084-1 Inst : MSVOA15-Z
 Misc : MS57344,VZ3084,,,,,
 ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 28 09:43:35 2024
 Quant Method : C:\msdchem\1\methods\SIMCL-08-26-2024.M
 Quant Title : Standard Methods 6200B
 QLast Update : Mon Aug 26 13:08:06 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Fluorobenzene	7.895	96	16248	5.00	ug/L	0.00
18) Chlorobenzene-d5	10.980	117	17016	5.00	ug/L	0.00
System Monitoring Compounds						
13) 1,2-Dichloroethane-d4	7.628	65	4890	3.51	ug/L	0.00
Spiked Amount	5.000	Range 74 - 125	Recovery	=	70.20%#	
19) Toluene-d8	9.428	98	19188	6.95	ug/L	0.00
Spiked Amount	5.000	Range 88 - 111	Recovery	=	139.00%#	
Target Compounds						
						Qvalue
2) Vinyl Chloride	3.192	62	1003	0.52	ug/L	# 40
3) Chloromethane	3.133	50	820	0.32	ug/L	99
4) 1,1-Dichloroethene	4.570	61	285	0.11	ug/L	97
5) Methylene Chloride	5.213	49	2791	0.80	ug/L	96
6) trans-1,2-Dichloroethene	5.395	61	244	0.10	ug/L	94
7) 1,1-Dichloroethane	6.065	63	301	0.09	ug/L	97
8) cis-1,2-Dichloroethene	6.625	96	214	0.12	ug/L	95
9) Chloroform	6.883	83	360m	0.10	ug/L	
10) Carbon Tetrachloride	7.051	117	298m	0.11	ug/L	
11) 1,1,1-Trichloroethane	7.126	97	371m	0.13	ug/L	
12) Benzene	7.499	78	611	0.12	ug/L	93
14) 1,2-Dichloroethane	7.696	62	231	0.09	ug/L	95
15) Trichloroethene	8.066	95	180	0.12	ug/L	93
16) 1,2-Dichloropropane	8.588	63	166	0.11	ug/L	89
17) cis-1,3-Dichloropropene	9.246	75	272	0.20	ug/L	87
20) trans-1,3-Dichloropropene	9.880	75	273	0.25	ug/L	92
21) Tetrachloroethene	9.874	166	229	0.16	ug/L	# 92
22) 1,4-Dichlorobenzene	13.274	146	499	0.16	ug/L	95
23) 1,2-Dibromo-3-Chloropr...	14.517	75	94m	0.33	ug/L	

(#) = qualifier out of range (m) = manual integration (+) = signals summed

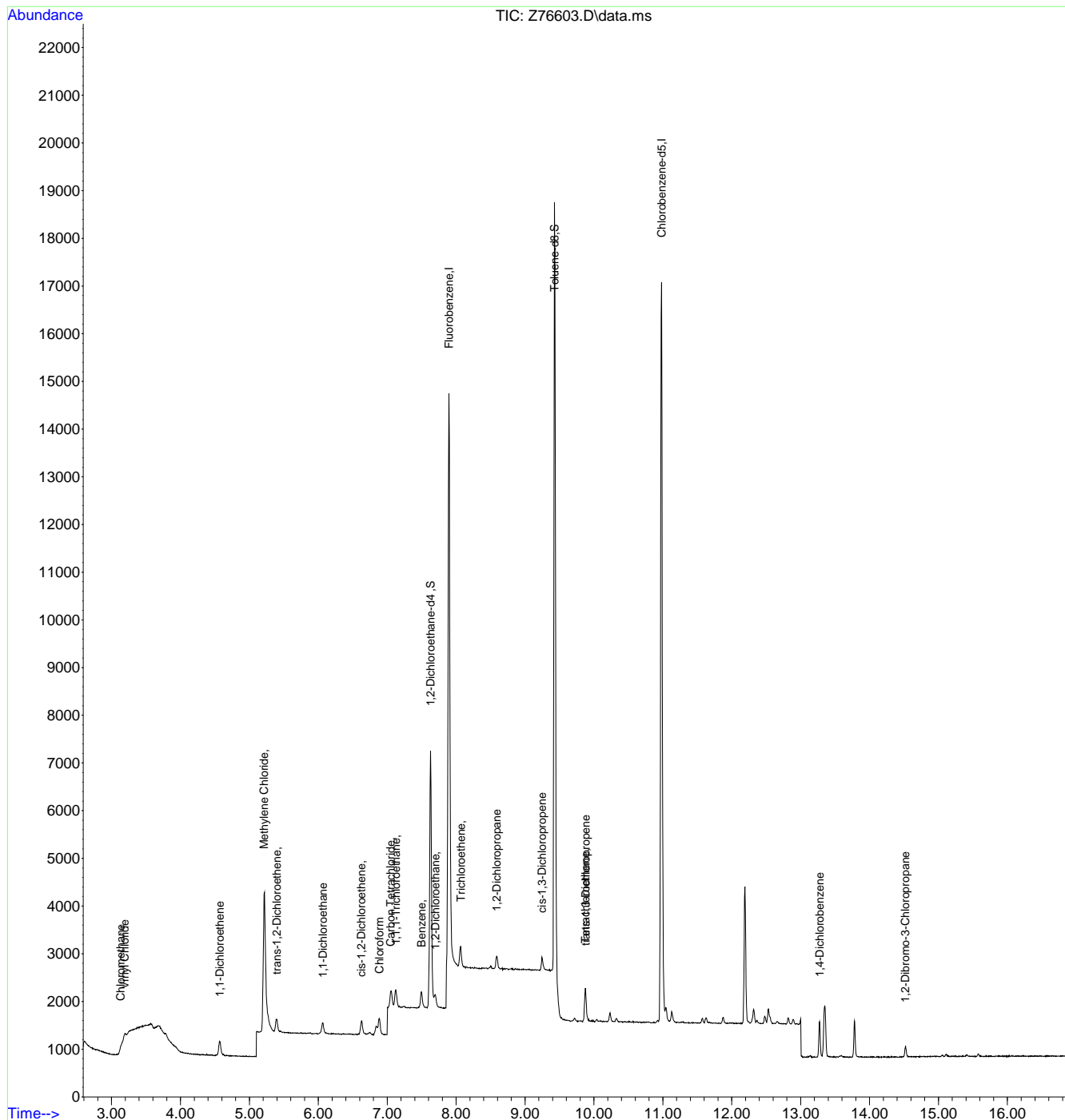
7.6.1
7



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\082824\
 Data File : Z76603.D
 Acq On : 28 Aug 2024 8:29 am
 Operator : claudias
 Sample : IC3084-1
 Misc : MS57344,VZ3084,,,,,
 ALS Vial : 3 Sample Multiplier: 1
 Inst : MSVOA15-Z

Quant Time: Aug 28 09:43:35 2024
 Quant Method : C:\msdchem\1\methods\SIMCL-08-26-2024.M
 Quant Title : Standard Methods 6200B
 QLast Update : Mon Aug 26 13:08:06 2024
 Response via : Initial Calibration



7.6.1
7

Manual Integration Approval Summary

Sample Number: VZ3084-IC3084 **Method:** SW846 8260D BY SIM
Lab FileID: Z76603.D **Analyst approved:** 08/28/24 12:42 Claudia Sosa
Injection Time: 08/28/24 08:29 **Supervisor approved:** 08/28/24 14:42 Karen Watson

Parameter	CAS	Sig#	R.T. (min.)	Reason
Chloroform	67-66-3		6.88	Poor instrument integration
Carbon Tetrachloride	56-23-5		7.05	Poor instrument integration
1,1,1-Trichloroethane	71-55-6		7.13	Poor instrument integration
1,2-Dibromo-3-chloropropane	96-12-8		14.52	Missed peak

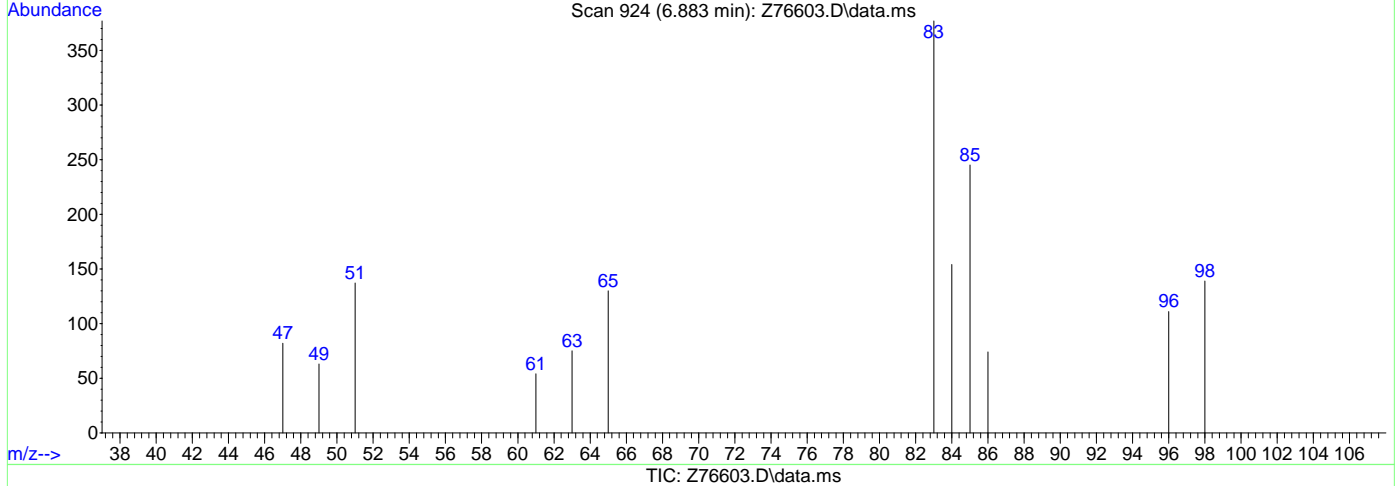
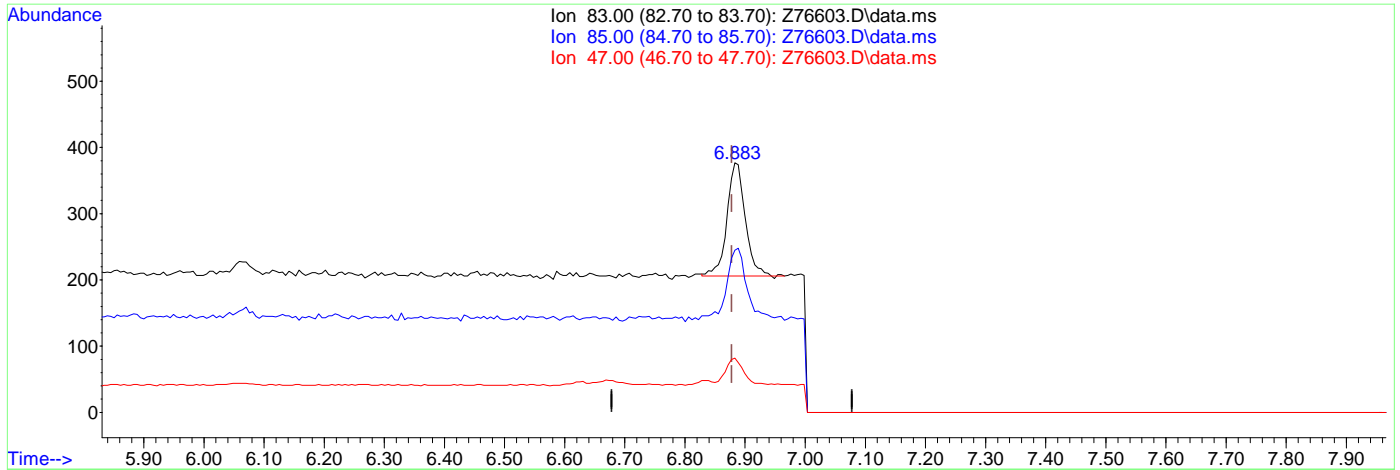
7.6.1.1
7

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\082824\
 Data File : Z76603.D
 Acq On : 28 Aug 2024 8:29 am
 Operator : claudias
 Sample : IC3084-1
 Misc : MS57344,VZ3084,,,,,
 ALS Vial : 3 Sample Multiplier: 1

Inst : MSVOA15-Z

Quant Time: Aug 28 09:43:35 2024
 Quant Method : C:\msdchem\1\methods\SIMCL-08-26-2024.M
 Quant Title : Standard Methods 6200B
 QLast Update : Mon Aug 26 13:08:06 2024
 Response via : Initial Calibration



(9) Chloroform

6.883min (+0.005) 0.10ug/L m

response 360

Ion	Exp%	Act%
83.00	100	100
85.00	65.90	64.99
47.00	21.00	21.75
0.00	0.00	0.00

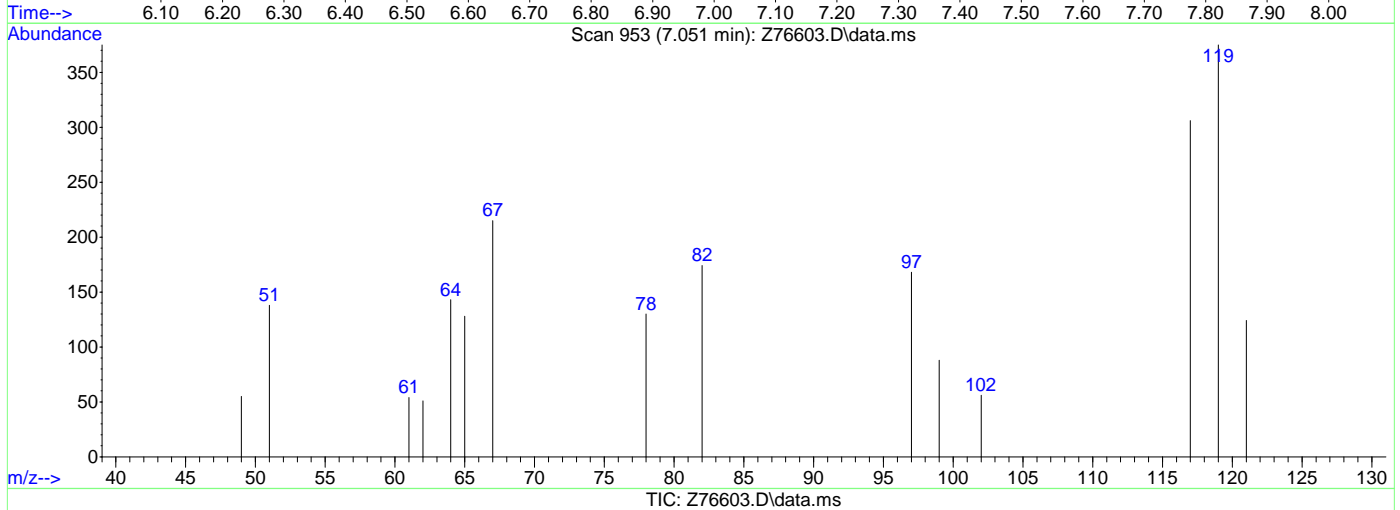
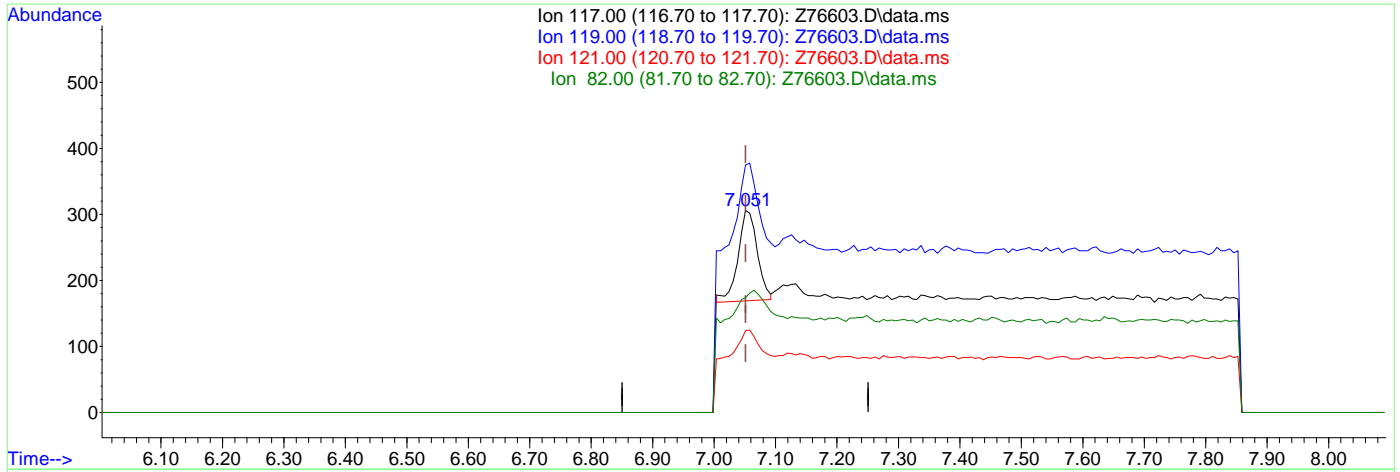
7.6.1.2
7

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\082824\
 Data File : Z76603.D
 Acq On : 28 Aug 2024 8:29 am
 Operator : claudias
 Sample : IC3084-1
 Misc : MS57344,VZ3084,,,,,
 ALS Vial : 3 Sample Multiplier: 1

Inst : MSVOA15-Z

Quant Time: Aug 28 09:43:35 2024
 Quant Method : C:\msdchem\1\methods\SIMCL-08-26-2024.M
 Quant Title : Standard Methods 6200B
 QLast Update : Mon Aug 26 13:08:06 2024
 Response via : Initial Calibration



(10) Carbon Tetrachloride ()

7.051min (+0.000) 0.11ug/L m

response 298

Ion	Exp%	Act%
117.00	100	100
119.00	96.20	122.55
121.00	31.20	40.52
82.00	20.80	56.86#

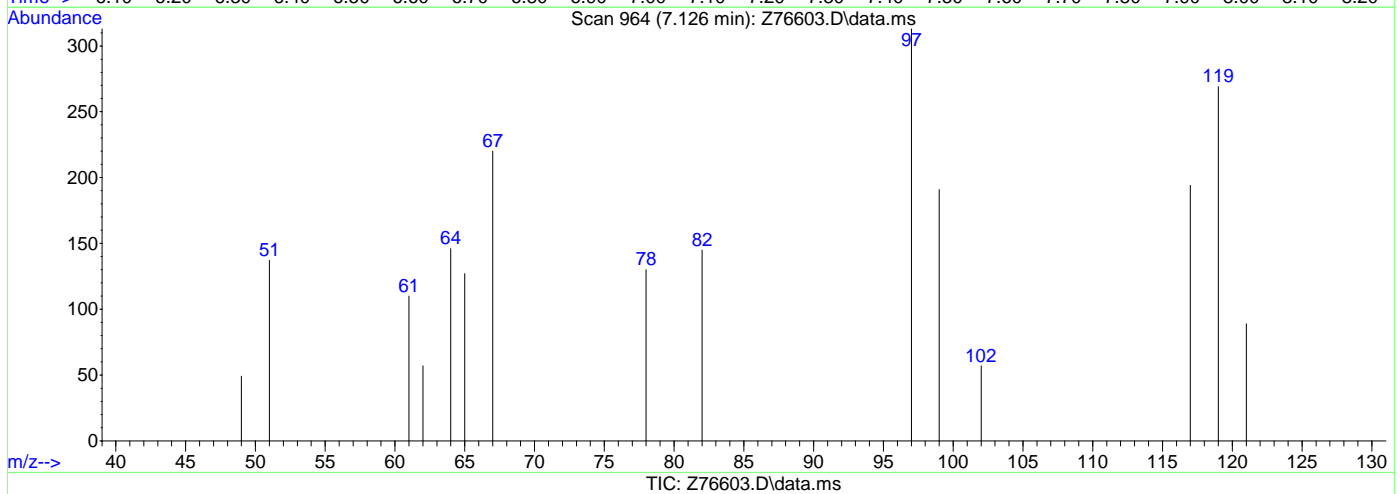
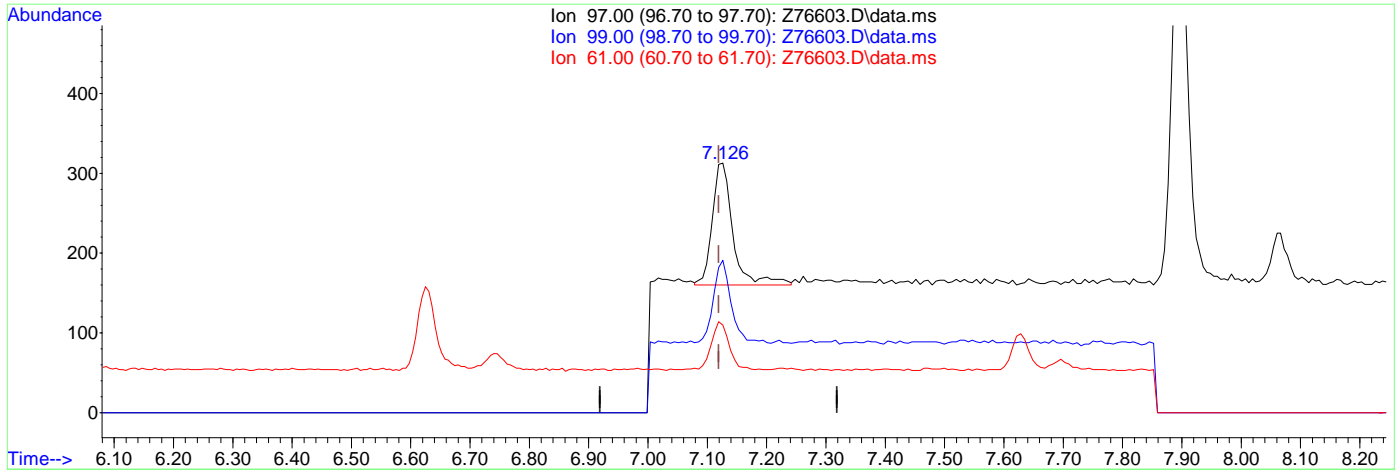
7.6.1.3
7

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\082824\
 Data File : Z76603.D
 Acq On : 28 Aug 2024 8:29 am
 Operator : claudias
 Sample : IC3084-1
 Misc : MS57344,VZ3084,,,,,
 ALS Vial : 3 Sample Multiplier: 1

Inst : MSVOA15-Z

Quant Time: Aug 28 09:43:35 2024
 Quant Method : C:\msdchem\1\methods\SIMCL-08-26-2024.M
 Quant Title : Standard Methods 6200B
 QLast Update : Mon Aug 26 13:08:06 2024
 Response via : Initial Calibration



(11) 1,1,1-Trichloroethane ()

7.126min (+0.007) 0.13ug/L m

response 371

Ion	Exp%	Act%
97.00	100	100
99.00	64.80	61.02
61.00	33.90	35.14
0.00	0.00	0.00

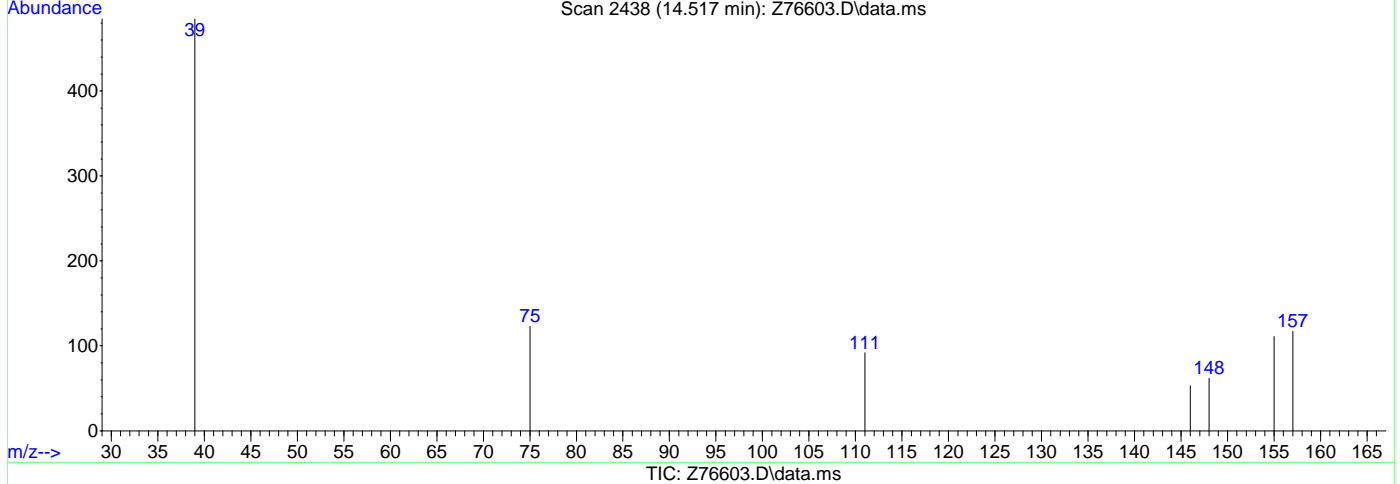
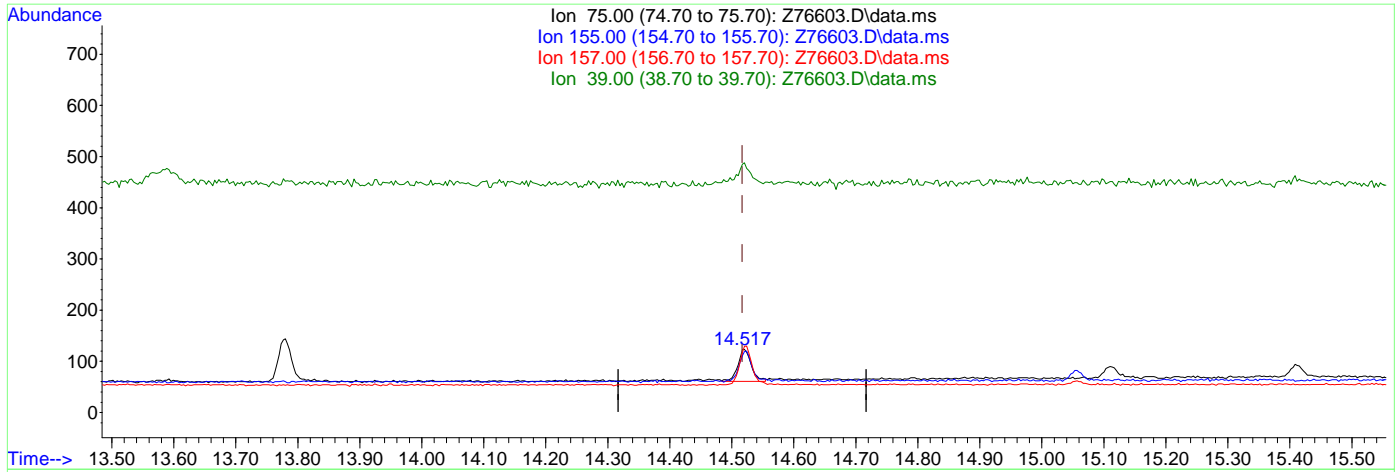
7.6.1.4
7

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\082824\
 Data File : Z76603.D
 Acq On : 28 Aug 2024 8:29 am
 Operator : claudias
 Sample : IC3084-1
 Misc : MS57344,VZ3084,,,,,
 ALS Vial : 3 Sample Multiplier: 1

Inst : MSVOA15-Z

Quant Time: Aug 28 09:43:35 2024
 Quant Method : C:\msdchem\1\methods\SIMCL-08-26-2024.M
 Quant Title : Standard Methods 6200B
 QLast Update : Mon Aug 26 13:08:06 2024
 Response via : Initial Calibration



(23) 1,2-Dibromo-3-Chloropropane

14.517min (+0.000) 0.33ug/L m

response 94

Ion	Exp%	Act%
75.00	100	100
155.00	116.30	90.24
157.00	149.10	95.12#
39.00	55.20	394.31#

7.6.1.5
7

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\082824\
 Data File : Z76604.D
 Acq On : 28 Aug 2024 8:51 am
 Operator : claudias
 Sample : IC3084-2 Inst : MSVOA15-Z
 Misc : MS57344,VZ3084,,,,,
 ALS Vial : 4 Sample Multiplier: 1

Quant Time: Aug 28 09:15:52 2024
 Quant Method : C:\msdchem\1\methods\SIMCL-08-26-2024.M
 Quant Title : Standard Methods 6200B
 QLast Update : Mon Aug 26 13:08:06 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	Qvalue

Internal Standards							
1) Fluorobenzene	7.894	96	16712	5.00	ug/L	0.00	
18) Chlorobenzene-d5	10.980	117	17424	5.00	ug/L	0.00	
System Monitoring Compounds							
13) 1,2-Dichloroethane-d4	7.628	65	5206	3.64	ug/L	0.00	
Spiked Amount	5.000	Range 74 - 125	Recovery	=	72.80%#		
19) Toluene-d8	9.428	98	19524	6.91	ug/L	0.00	
Spiked Amount	5.000	Range 88 - 111	Recovery	=	138.20%#		
Target Compounds							
2) Vinyl Chloride	3.188	62	1692	0.85	ug/L		78
3) Chloromethane	3.133	50	1602	0.60	ug/L		97
4) 1,1-Dichloroethene	4.566	61	1109	0.42	ug/L		97
5) Methylene Chloride	5.213	49	3660	1.03	ug/L		96
6) trans-1,2-Dichloroethene	5.389	61	1014	0.39	ug/L		96
7) 1,1-Dichloroethane	6.059	63	1316	0.37	ug/L		99
8) cis-1,2-Dichloroethene	6.625	96	781	0.44	ug/L		94
9) Chloroform	6.883	83	1378m	0.36	ug/L		
10) Carbon Tetrachloride	7.058	117	1171m	0.44	ug/L		
11) 1,1,1-Trichloroethane	7.126	97	1268m	0.43	ug/L		
12) Benzene	7.492	78	2431	0.46	ug/L		96
14) 1,2-Dichloroethane	7.696	62	922	0.36	ug/L		95
15) Trichloroethene	8.060	95	670	0.43	ug/L		92
16) 1,2-Dichloropropane	8.588	63	652	0.42	ug/L		93
17) cis-1,3-Dichloropropene	9.246	75	997	0.70	ug/L		94
20) trans-1,3-Dichloropropene	9.874	75	890	0.79	ug/L		95
21) Tetrachloroethene	9.874	166	751	0.53	ug/L #		94
22) 1,4-Dichlorobenzene	13.354	146	1489	0.45	ug/L		87
23) 1,2-Dibromo-3-Chloropr...	14.520	75	224m	0.77	ug/L		

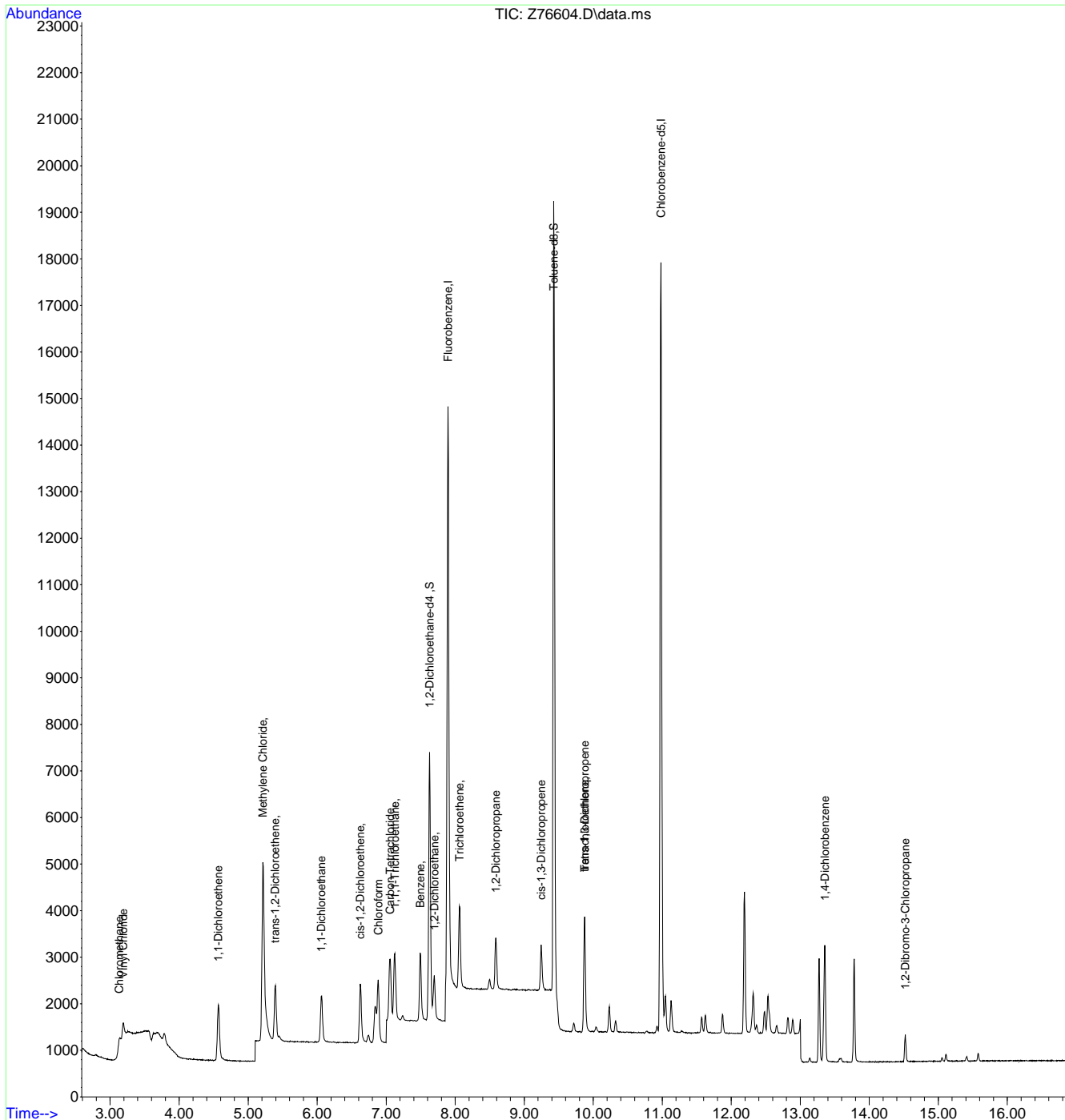
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\082824\
 Data File : Z76604.D
 Acq On : 28 Aug 2024 8:51 am
 Operator : claudias
 Sample : IC3084-2
 Misc : MS57344,VZ3084,,,,,
 ALS Vial : 4 Sample Multiplier: 1

Inst : MSVOA15-Z

Quant Time: Aug 28 09:15:52 2024
 Quant Method : C:\msdchem\1\methods\SIMCL-08-26-2024.M
 Quant Title : Standard Methods 6200B
 QLast Update : Mon Aug 26 13:08:06 2024
 Response via : Initial Calibration



7.6.2
7



Manual Integration Approval Summary

Sample Number: VZ3084-IC3084 **Method:** SW846 8260D BY SIM
Lab FileID: Z76604.D **Analyst approved:** 08/28/24 12:42 Claudia Sosa
Injection Time: 08/28/24 08:51 **Supervisor approved:** 08/28/24 14:42 Karen Watson

Parameter	CAS	Sig#	R.T. (min.)	Reason
Chloroform	67-66-3		6.88	Poor instrument integration
Carbon Tetrachloride	56-23-5		7.06	Poor instrument integration
1,1,1-Trichloroethane	71-55-6		7.13	Poor instrument integration
1,2-Dibromo-3-chloropropane	96-12-8		14.52	Missed peak

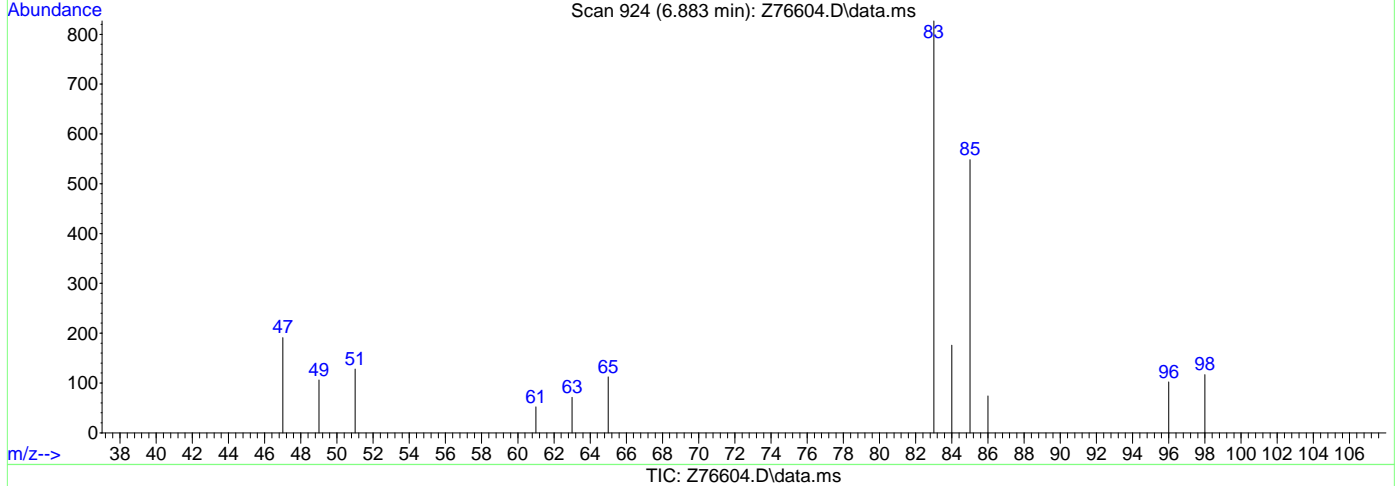
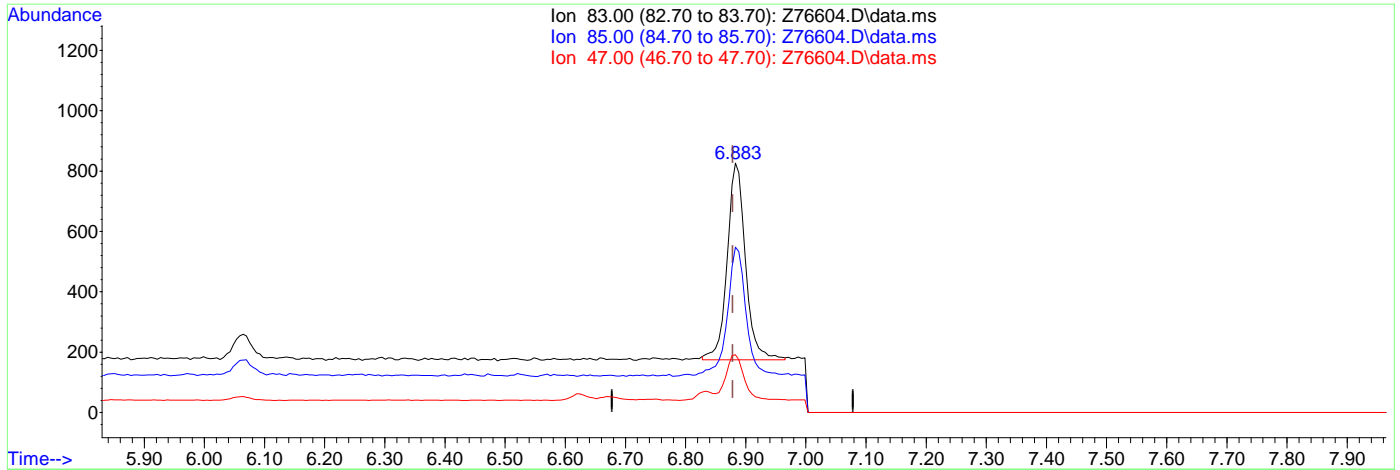
7.6.2.1
7

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\082824\
 Data File : Z76604.D
 Acq On : 28 Aug 2024 8:51 am
 Operator : claudias
 Sample : IC3084-2
 Misc : MS57344,VZ3084,,,,,
 ALS Vial : 4 Sample Multiplier: 1

Inst : MSVOA15-Z

Quant Time: Aug 28 09:15:52 2024
 Quant Method : C:\msdchem\1\methods\SIMCL-08-26-2024.M
 Quant Title : Standard Methods 6200B
 QLast Update : Mon Aug 26 13:08:06 2024
 Response via : Initial Calibration



(9) Chloroform

6.883min (+0.005) 0.36ug/L m

response 1378

Ion	Exp%	Act%
83.00	100	100
85.00	65.90	66.26
47.00	21.00	23.10
0.00	0.00	0.00

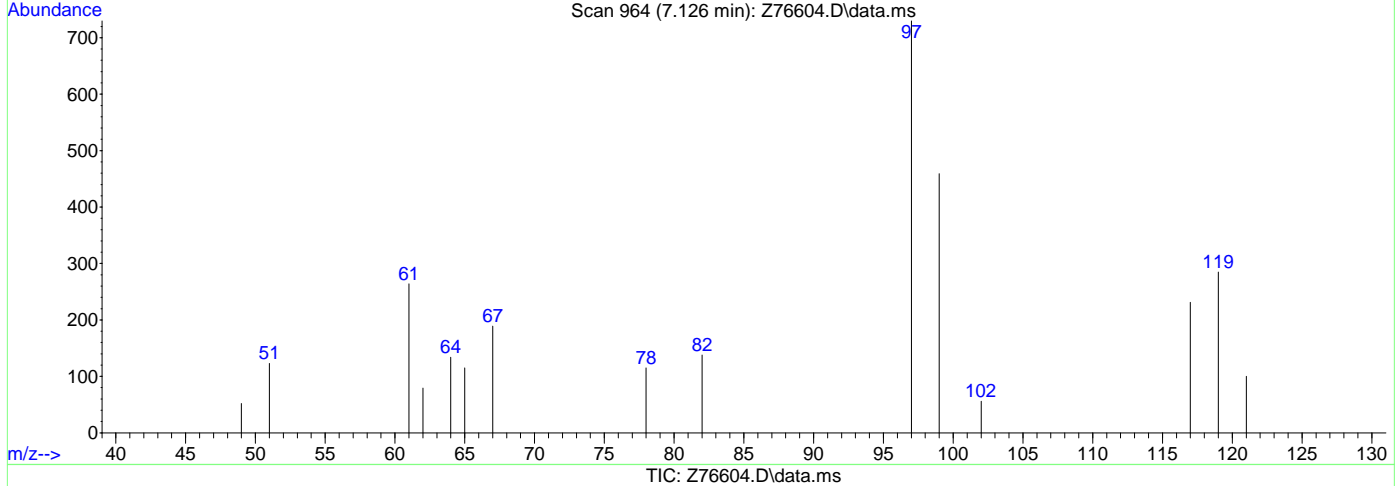
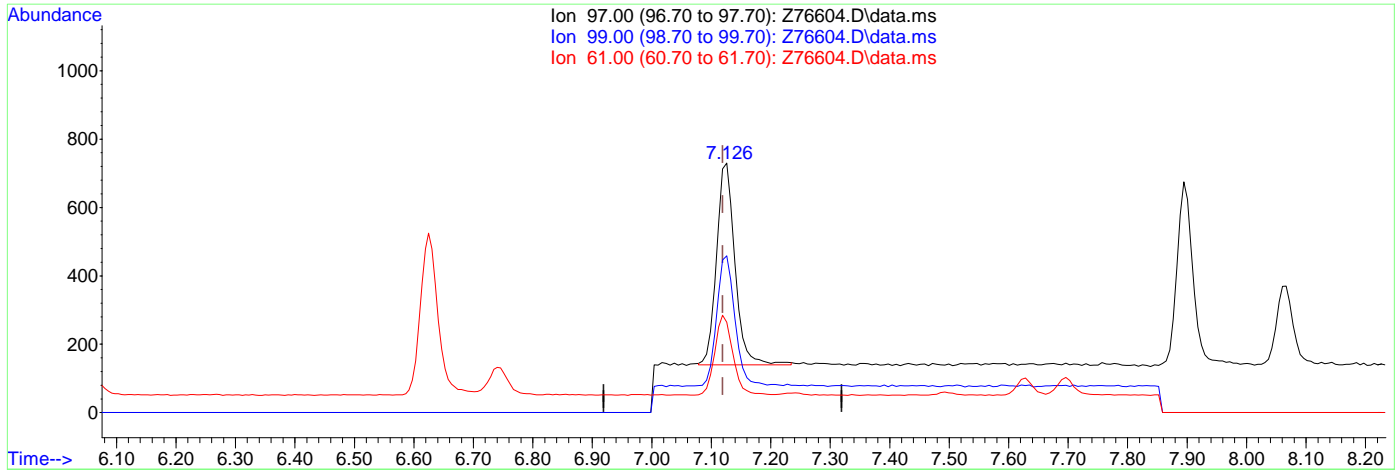
7.6.2.2
7

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\082824\
 Data File : Z76604.D
 Acq On : 28 Aug 2024 8:51 am
 Operator : claudias
 Sample : IC3084-2
 Misc : MS57344,VZ3084,,,,,
 ALS Vial : 4 Sample Multiplier: 1

Inst : MSVOA15-Z

Quant Time: Aug 28 09:15:52 2024
 Quant Method : C:\msdchem\1\methods\SIMCL-08-26-2024.M
 Quant Title : Standard Methods 6200B
 QLast Update : Mon Aug 26 13:08:06 2024
 Response via : Initial Calibration



(11) 1,1,1-Trichloroethane ()

7.126min (+0.007) 0.43ug/L m

response 1268

Ion	Exp%	Act%
97.00	100	100
99.00	64.80	62.88
61.00	33.90	36.16
0.00	0.00	0.00

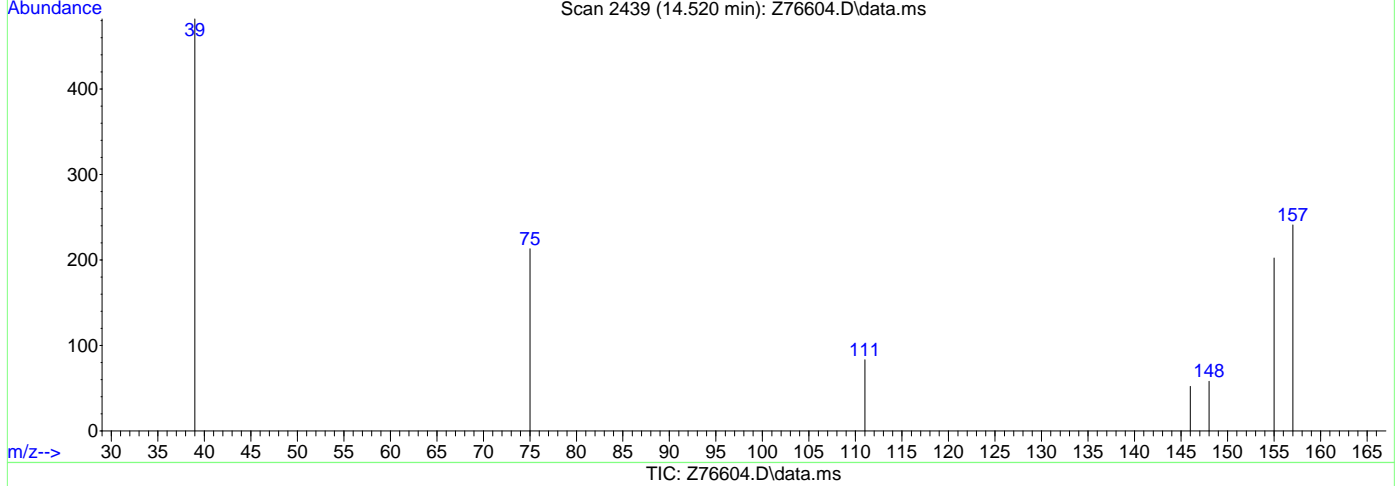
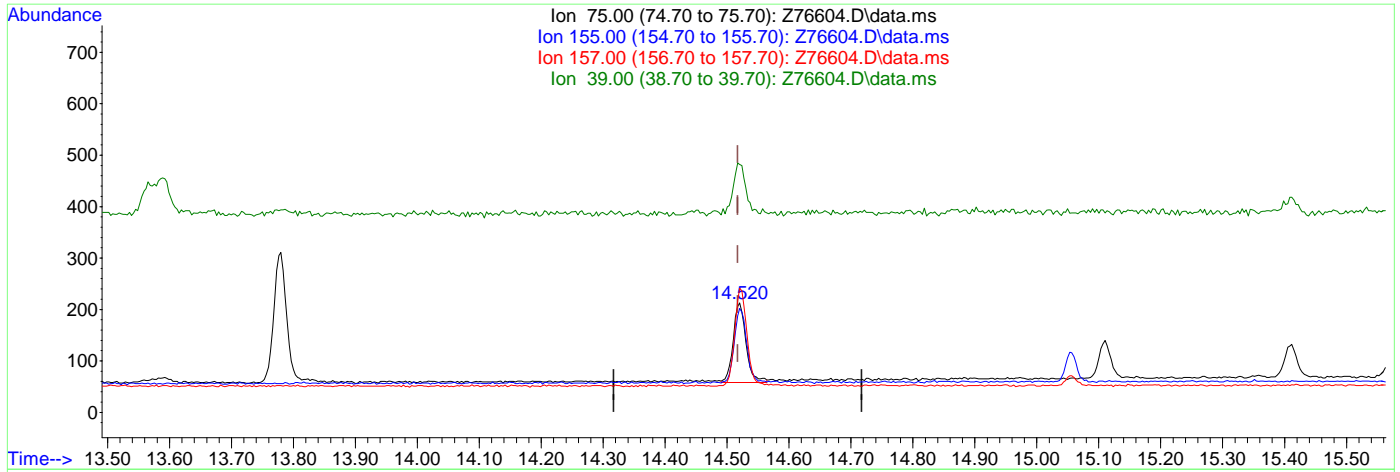
7.6.2.3
7

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\082824\
 Data File : Z76604.D
 Acq On : 28 Aug 2024 8:51 am
 Operator : claudias
 Sample : IC3084-2
 Misc : MS57344,VZ3084,,,,,
 ALS Vial : 4 Sample Multiplier: 1

Inst : MSVOA15-Z

Quant Time: Aug 28 09:15:52 2024
 Quant Method : C:\msdchem\1\methods\SIMCL-08-26-2024.M
 Quant Title : Standard Methods 6200B
 QLast Update : Mon Aug 26 13:08:06 2024
 Response via : Initial Calibration



(23) 1,2-Dibromo-3-Chloropropane

14.520min (+0.003) 0.77ug/L m

response 224

Ion	Exp%	Act%
75.00	100	100
155.00	116.30	94.84
157.00	149.10	113.15#
39.00	55.20	226.29#

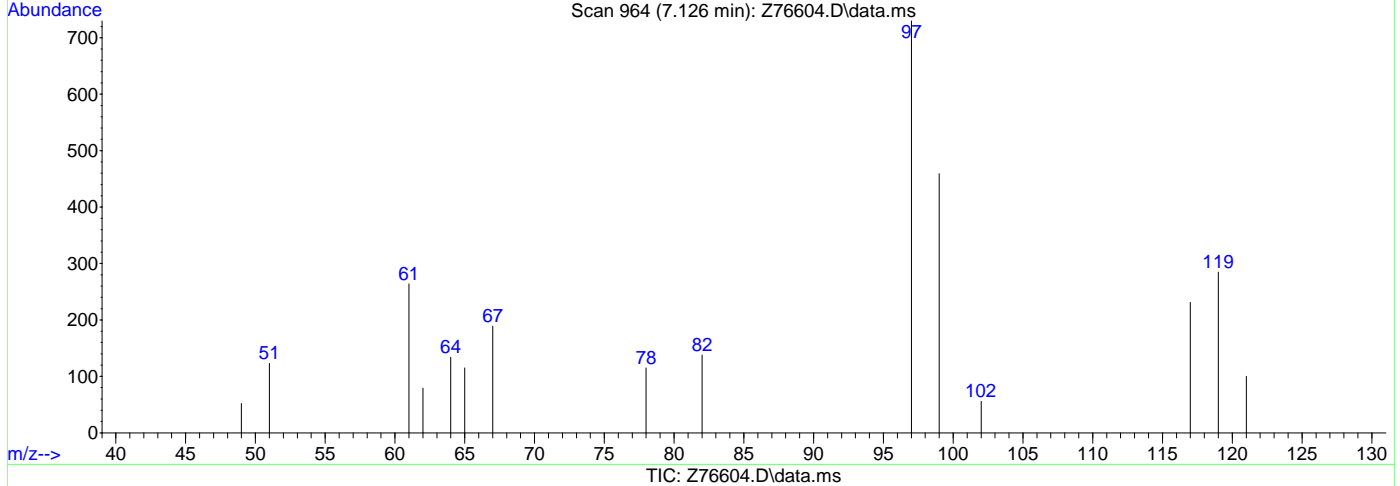
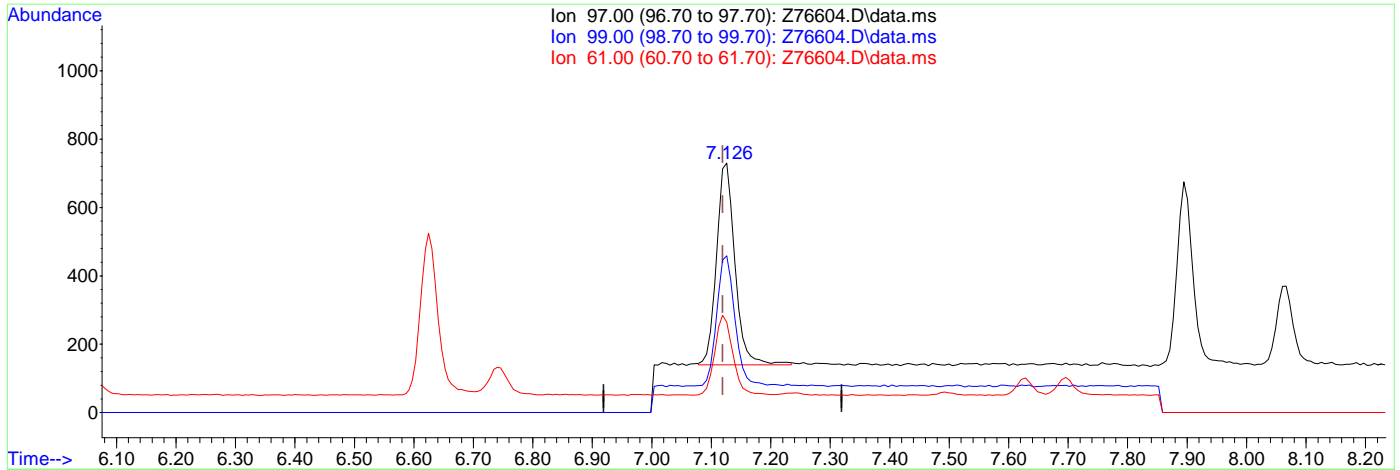
7.6.2.4
7

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\082824\
 Data File : Z76604.D
 Acq On : 28 Aug 2024 8:51 am
 Operator : claudias
 Sample : IC3084-2
 Misc : MS57344,VZ3084,,,,,
 ALS Vial : 4 Sample Multiplier: 1

Inst : MSVOA15-Z

Quant Time: Aug 28 09:15:52 2024
 Quant Method : C:\msdchem\1\methods\SIMCL-08-26-2024.M
 Quant Title : Standard Methods 6200B
 QLast Update : Mon Aug 26 13:08:06 2024
 Response via : Initial Calibration



(11) 1,1,1-Trichloroethane ()

7.126min (+0.007) 0.43ug/L m

response 1268

Ion	Exp%	Act%
97.00	100	100
99.00	64.80	62.88
61.00	33.90	36.16
0.00	0.00	0.00

7.6.2.5
7

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\082824\
 Data File : Z76605.D
 Acq On : 28 Aug 2024 9:24 am
 Operator : claudias
 Sample : IC3084-3 Inst : MSVOA15-Z
 Misc : MS57344,VZ3084,,,,,
 ALS Vial : 5 Sample Multiplier: 1

Quant Time: Aug 28 09:44:27 2024
 Quant Method : C:\msdchem\1\methods\SIMCL-08-26-2024.M
 Quant Title : Standard Methods 6200B
 QLast Update : Mon Aug 26 13:08:06 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	

Internal Standards							
1) Fluorobenzene	7.895	96	17109	5.00	ug/L	0.00	
18) Chlorobenzene-d5	10.975	117	18056	5.00	ug/L	0.00	
System Monitoring Compounds							
13) 1,2-Dichloroethane-d4	7.621	65	5580	3.81	ug/L	0.00	
Spiked Amount	5.000	Range 74 - 125	Recovery	=	76.20%		
19) Toluene-d8	9.428	98	20074	6.85	ug/L	0.00	
Spiked Amount	5.000	Range 88 - 111	Recovery	=	137.00%#		
Target Compounds							
							Qvalue
2) Vinyl Chloride	3.184	62	3807	1.87	ug/L		95
3) Chloromethane	3.129	50	4138	1.52	ug/L		98
4) 1,1-Dichloroethene	4.562	61	4077	1.51	ug/L		98
5) Methylene Chloride	5.208	49	6955	1.94	ug/L		96
6) trans-1,2-Dichloroethene	5.384	61	3886	1.48	ug/L		95
7) 1,1-Dichloroethane	6.059	63	5059	1.42	ug/L		100
8) cis-1,2-Dichloroethene	6.625	96	3101	1.72	ug/L		99
9) Chloroform	6.878	83	7182	1.85	ug/L		97
10) Carbon Tetrachloride	7.051	117	4748	1.76	ug/L		96
11) 1,1,1-Trichloroethane	7.119	97	5278	1.76	ug/L		97
12) Benzene	7.493	78	9612	1.78	ug/L		94
14) 1,2-Dichloroethane	7.689	62	3720	1.42	ug/L		94
15) Trichloroethene	8.061	95	2673	1.67	ug/L		93
16) 1,2-Dichloropropane	8.582	63	2618	1.66	ug/L		92
17) cis-1,3-Dichloropropene	9.240	75	4076	2.73	ug/L		91
20) trans-1,3-Dichloropropene	9.874	75	3710	3.00	ug/L		94
21) Tetrachloroethene	9.869	166	2773	1.87	ug/L #		91
22) 1,4-Dichlorobenzene	13.354	146	6062	1.78	ug/L		92
23) 1,2-Dibromo-3-Chloropr...	14.521	75	827	2.74	ug/L		83

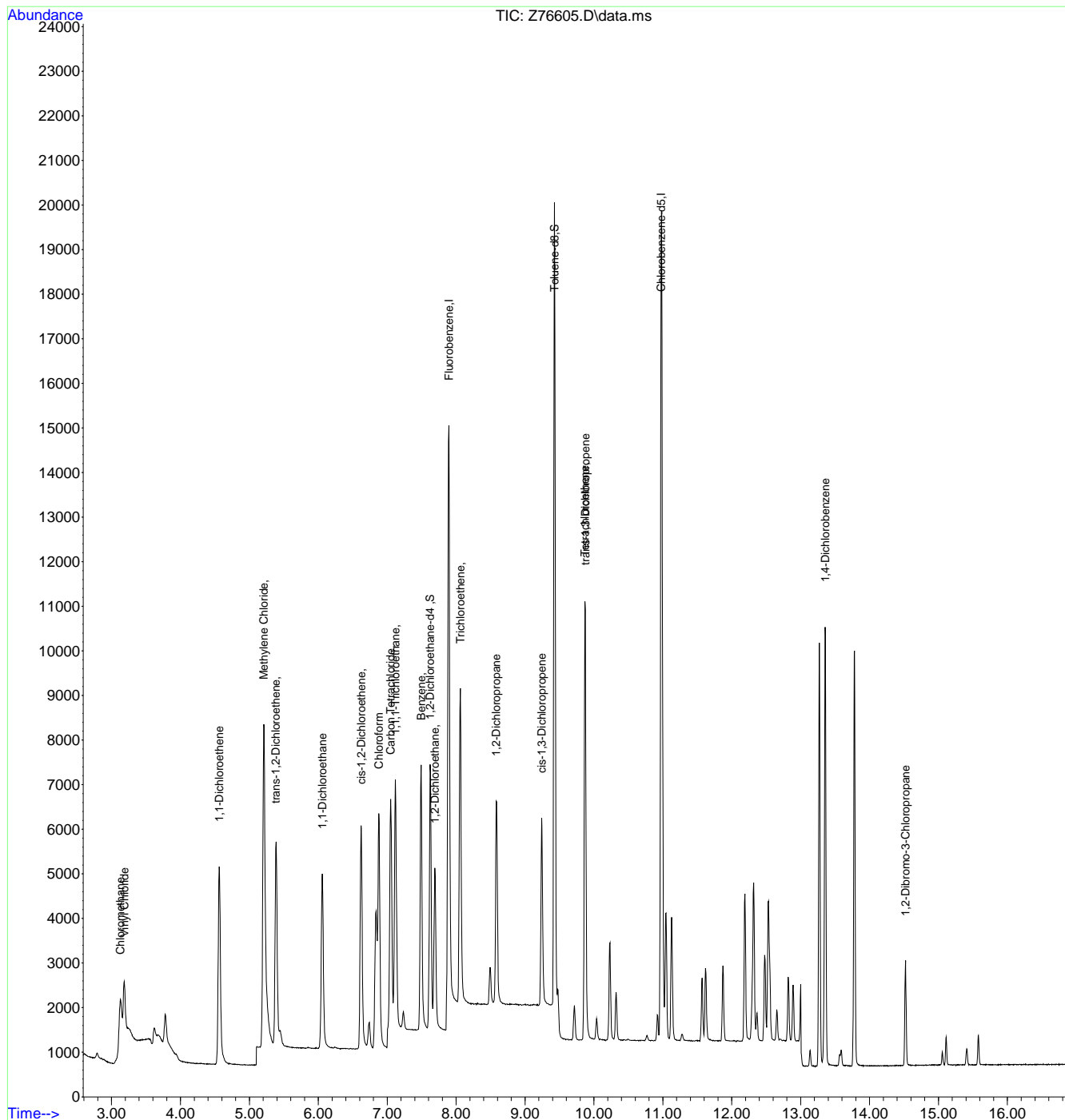
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\082824\
 Data File : Z76605.D
 Acq On : 28 Aug 2024 9:24 am
 Operator : claudias
 Sample : IC3084-3
 Misc : MS57344,VZ3084,,,,,
 ALS Vial : 5 Sample Multiplier: 1

Inst : MSVOA15-Z

Quant Time: Aug 28 09:44:27 2024
 Quant Method : C:\msdchem\1\methods\SIMCL-08-26-2024.M
 Quant Title : Standard Methods 6200B
 QLast Update : Mon Aug 26 13:08:06 2024
 Response via : Initial Calibration



7.6.3
7



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\082824\
 Data File : Z76606.D
 Acq On : 28 Aug 2024 9:47 am
 Operator : claudias
 Sample : IC3084-4 Inst : MSVOA15-Z
 Misc : MS57344,VZ3084,,,,,
 ALS Vial : 6 Sample Multiplier: 1

Quant Time: Aug 28 10:16:43 2024
 Quant Method : C:\msdchem\1\methods\SIMCL-08-26-2024.M
 Quant Title : Standard Methods 6200B
 QLast Update : Mon Aug 26 13:08:06 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	

Internal Standards							
1) Fluorobenzene	7.895	96	17386	5.00	ug/L	0.00	
18) Chlorobenzene-d5	10.980	117	18190	5.00	ug/L	0.00	
System Monitoring Compounds							
13) 1,2-Dichloroethane-d4	7.628	65	5389	3.62	ug/L	0.00	
Spiked Amount	5.000	Range 74 - 125	Recovery	=	72.40%#		
19) Toluene-d8	9.428	98	20073	6.80	ug/L	0.00	
Spiked Amount	5.000	Range 88 - 111	Recovery	=	136.00%#		
Target Compounds							
							Qvalue
2) Vinyl Chloride	3.192	62	8752	4.23	ug/L		97
3) Chloromethane	3.133	50	9782	3.54	ug/L		98
4) 1,1-Dichloroethene	4.566	61	10002	3.73	ug/L		98
5) Methylene Chloride	5.213	49	12634	3.58	ug/L		97
6) trans-1,2-Dichloroethene	5.389	61	9518	3.63	ug/L		96
7) 1,1-Dichloroethane	6.059	63	12642	3.58	ug/L		100
8) cis-1,2-Dichloroethene	6.625	96	7691	4.28	ug/L		96
9) Chloroform	6.883	83	15084	3.95	ug/L		97
10) Carbon Tetrachloride	7.058	117	10818	4.07	ug/L		98
11) 1,1,1-Trichloroethane	7.126	97	12294	4.15	ug/L		97
12) Benzene	7.493	78	24297	4.49	ug/L		95
14) 1,2-Dichloroethane	7.696	62	9391	3.63	ug/L		95
15) Trichloroethene	8.061	95	6734	4.17	ug/L		92
16) 1,2-Dichloropropane	8.588	63	6797	4.27	ug/L		93
17) cis-1,3-Dichloropropene	9.246	75	10532	6.63	ug/L		96
20) trans-1,3-Dichloropropene	9.874	75	9485	6.99	ug/L		94
21) Tetrachloroethene	9.874	166	6789	4.54	ug/L #		94
22) 1,4-Dichlorobenzene	13.354	146	15890	4.63	ug/L		94
23) 1,2-Dibromo-3-Chloropr...	14.520	75	2147	6.99	ug/L		83

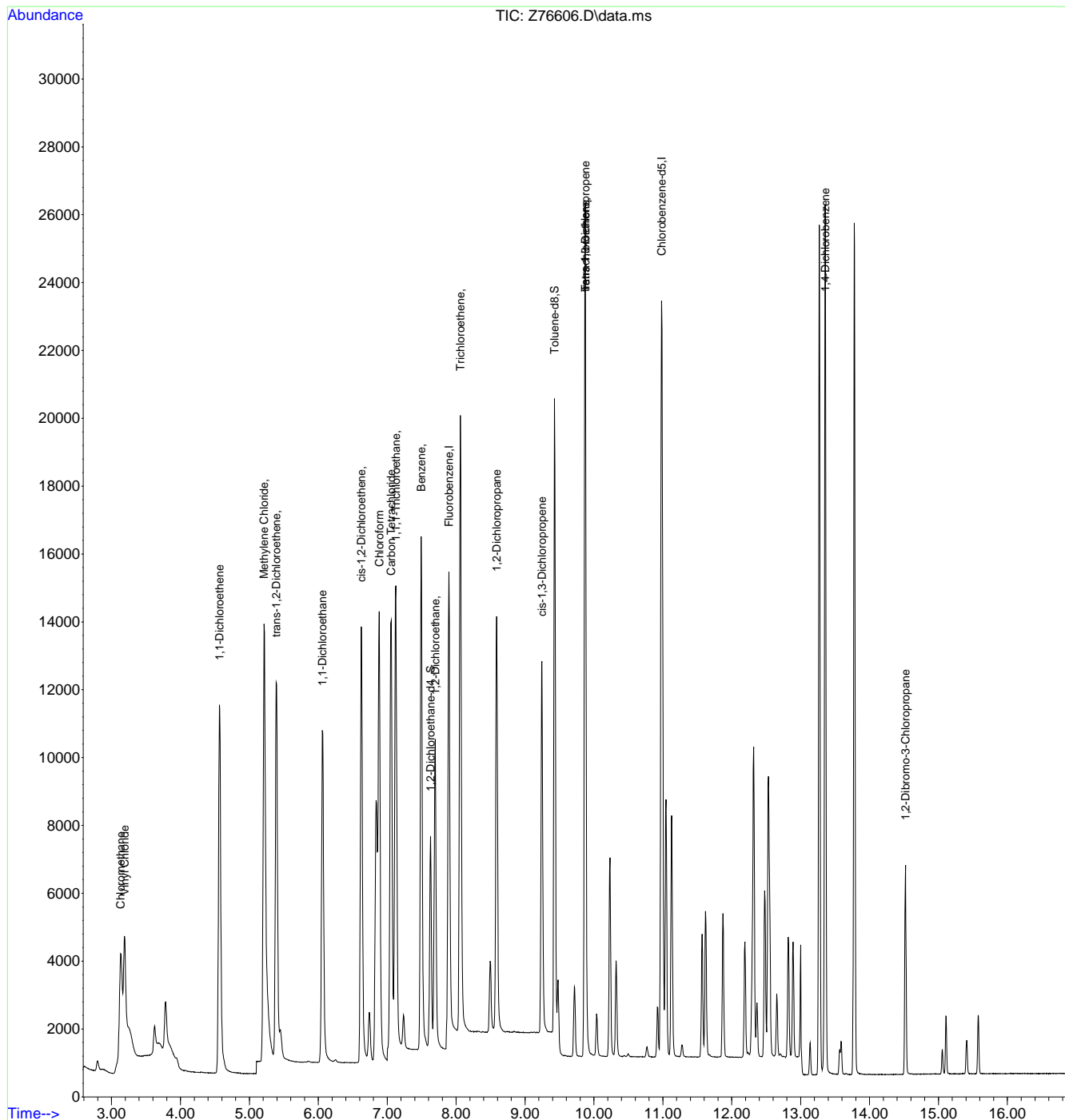
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\082824\
 Data File : Z76606.D
 Acq On : 28 Aug 2024 9:47 am
 Operator : claudias
 Sample : IC3084-4
 Misc : MS57344,VZ3084,,,,,
 ALS Vial : 6 Sample Multiplier: 1

Inst : MSVOA15-Z

Quant Time: Aug 28 10:16:43 2024
 Quant Method : C:\msdchem\1\methods\SIMCL-08-26-2024.M
 Quant Title : Standard Methods 6200B
 QLast Update : Mon Aug 26 13:08:06 2024
 Response via : Initial Calibration



7.6.4
7



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\082824\
 Data File : Z76607.D
 Acq On : 28 Aug 2024 10:10 am
 Operator : claudias
 Sample : ICC3084-5 Inst : MSVOA15-Z
 Misc : MS57344,VZ3084,,,,,
 ALS Vial : 7 Sample Multiplier: 1

Quant Time: Aug 28 10:28:32 2024
 Quant Method : C:\msdchem\1\methods\SIMCL-08-26-2024.M
 Quant Title : Standard Methods 6200B
 QLast Update : Mon Aug 26 13:08:06 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	

Internal Standards							
1) Fluorobenzene	7.894	96	18387	5.00	ug/L	0.00	
18) Chlorobenzene-d5	10.980	117	18425	5.00	ug/L	0.00	
System Monitoring Compounds							
13) 1,2-Dichloroethane-d4	7.628	65	5426	3.44	ug/L	0.00	
Spiked Amount	5.000	Range 74 - 125	Recovery	=	68.80%#		
19) Toluene-d8	9.428	98	20516	6.86	ug/L	0.00	
Spiked Amount	5.000	Range 88 - 111	Recovery	=	137.20%#		
Target Compounds							
							Qvalue
2) Vinyl Chloride	3.188	62	17613	8.06	ug/L		100
3) Chloromethane	3.133	50	20236	6.92	ug/L		98
4) 1,1-Dichloroethene	4.566	61	19367	7.06	ug/L		98
5) Methylene Chloride	5.213	49	22107	6.25	ug/L		96
6) trans-1,2-Dichloroethene	5.389	61	18666	6.95	ug/L		96
7) 1,1-Dichloroethane	6.059	63	24610	6.86	ug/L		100
8) cis-1,2-Dichloroethene	6.625	96	15116	8.15	ug/L		95
9) Chloroform	6.883	83	27829	7.23	ug/L		97
10) Carbon Tetrachloride	7.058	117	20386	7.64	ug/L		98
11) 1,1,1-Trichloroethane	7.126	97	22799	7.57	ug/L		97
12) Benzene	7.492	78	49059	8.72	ug/L		95
14) 1,2-Dichloroethane	7.696	62	18289	6.98	ug/L		95
15) Trichloroethene	8.060	95	13705	8.12	ug/L		92
16) 1,2-Dichloropropane	8.588	63	13638	8.22	ug/L		93
17) cis-1,3-Dichloropropene	9.246	75	21468	12.03	ug/L		96
20) trans-1,3-Dichloropropene	9.874	75	19329	12.60	ug/L		94
21) Tetrachloroethene	9.874	166	13326	8.74	ug/L #		94
22) 1,4-Dichlorobenzene	13.354	146	31554	9.05	ug/L		95
23) 1,2-Dibromo-3-Chloropr...	14.517	75	4029	12.79	ug/L #		77

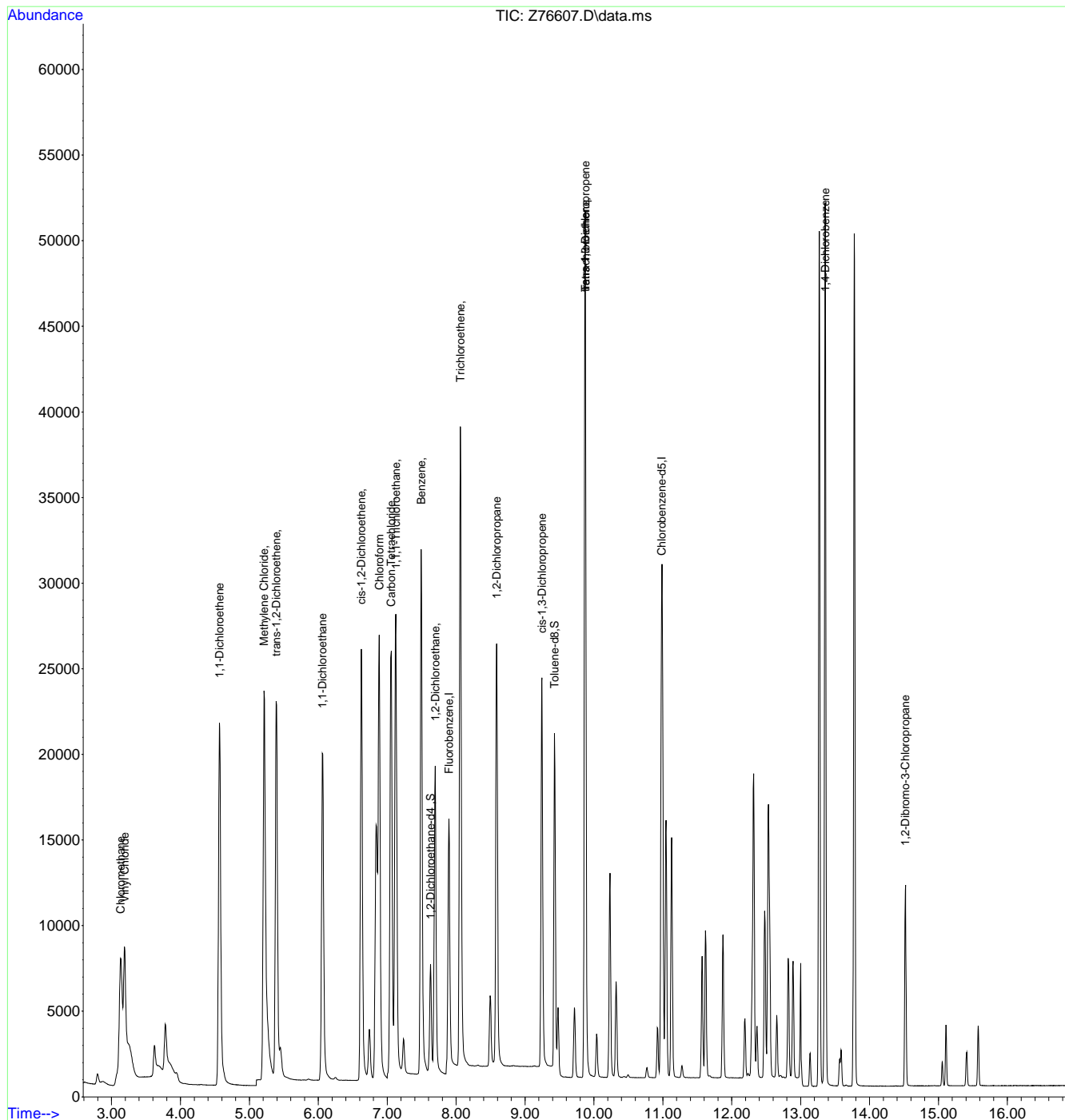
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\082824\
 Data File : Z76607.D
 Acq On : 28 Aug 2024 10:10 am
 Operator : claudias
 Sample : ICC3084-5
 Misc : MS57344,VZ3084,,,,,
 ALS Vial : 7 Sample Multiplier: 1

Inst : MSVOA15-Z

Quant Time: Aug 28 10:28:32 2024
 Quant Method : C:\msdchem\1\methods\SIMCL-08-26-2024.M
 Quant Title : Standard Methods 6200B
 QLast Update : Mon Aug 26 13:08:06 2024
 Response via : Initial Calibration



7.6.5
7

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\082824\
 Data File : Z76608.D
 Acq On : 28 Aug 2024 10:33 am
 Operator : claudias
 Sample : IC3084-6 Inst : MSVOA15-Z
 Misc : MS57344,VZ3084,,,,,
 ALS Vial : 8 Sample Multiplier: 1

Quant Time: Aug 28 10:56:38 2024
 Quant Method : C:\msdchem\1\methods\SIMCL-08-26-2024.M
 Quant Title : Standard Methods 6200B
 QLast Update : Mon Aug 26 13:08:06 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	

Internal Standards							
1) Fluorobenzene	7.895	96	19075	5.00	ug/L	0.00	
18) Chlorobenzene-d5	10.981	117	18623	5.00	ug/L	0.00	
System Monitoring Compounds							
13) 1,2-Dichloroethane-d4	7.628	65	5553	3.40	ug/L	0.00	
Spiked Amount	5.000	Range 74 - 125	Recovery	=	68.00%#		
19) Toluene-d8	9.429	98	20707	6.85	ug/L	0.00	
Spiked Amount	5.000	Range 88 - 111	Recovery	=	137.00%#		
Target Compounds							
							Qvalue
2) Vinyl Chloride	3.188	62	25840	11.40	ug/L		100
3) Chloromethane	3.133	50	29834	9.84	ug/L		99
4) 1,1-Dichloroethene	4.562	61	29746	10.86	ug/L		97
5) Methylene Chloride	5.213	49	31859	9.27	ug/L		97
6) trans-1,2-Dichloroethene	5.389	61	28992	10.82	ug/L		98
7) 1,1-Dichloroethane	6.059	63	38212	10.82	ug/L		100
8) cis-1,2-Dichloroethene	6.625	96	23568	12.64	ug/L		97
9) Chloroform	6.883	83	42304	11.30	ug/L		98
10) Carbon Tetrachloride	7.051	117	31222	12.11	ug/L		99
11) 1,1,1-Trichloroethane	7.126	97	35849	12.13	ug/L		97
12) Benzene	7.493	78	78789	13.79	ug/L		95
14) 1,2-Dichloroethane	7.696	62	28511	11.10	ug/L		95
15) Trichloroethene	8.061	95	22084	12.79	ug/L		92
16) 1,2-Dichloropropane	8.588	63	21809	12.87	ug/L		92
17) cis-1,3-Dichloropropene	9.241	75	34624	17.63	ug/L		91
20) trans-1,3-Dichloropropene	9.874	75	31427	18.32	ug/L		94
21) Tetrachloroethene	9.874	166	20947	13.52	ug/L #		94
22) 1,4-Dichlorobenzene	13.354	146	49500	14.00	ug/L		95
23) 1,2-Dibromo-3-Chloropr...	14.521	75	6212	19.22	ug/L		84

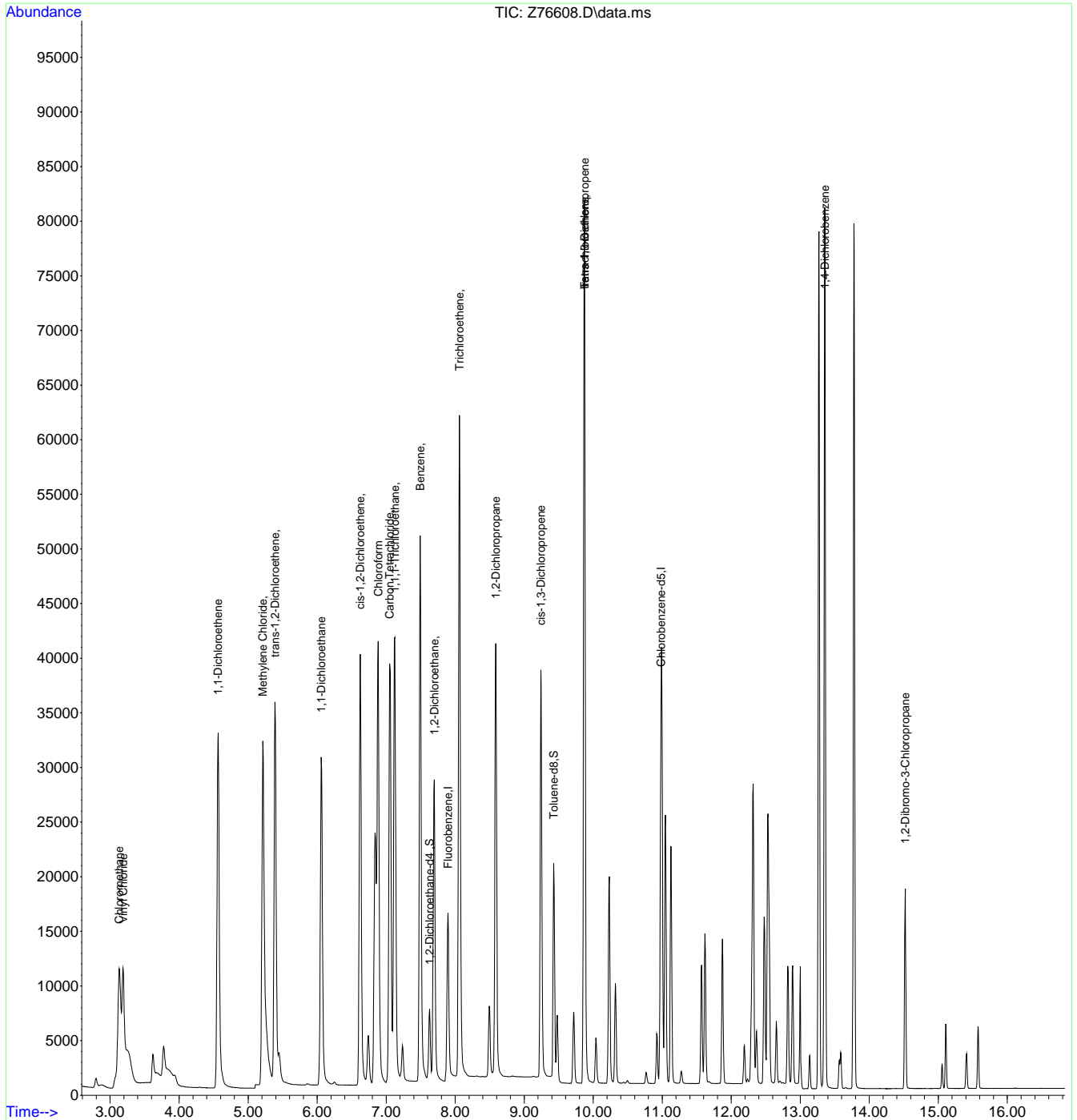
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\082824\
 Data File : Z76608.D
 Acq On : 28 Aug 2024 10:33 am
 Operator : claudias
 Sample : IC3084-6
 Misc : MS57344,VZ3084,,,,,
 ALS Vial : 8 Sample Multiplier: 1

Inst : MSVOA15-Z

Quant Time: Aug 28 10:56:38 2024
 Quant Method : C:\msdchem\1\methods\SIMCL-08-26-2024.M
 Quant Title : Standard Methods 6200B
 QLast Update : Mon Aug 26 13:08:06 2024
 Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\082824\
 Data File : Z76609.D
 Acq On : 28 Aug 2024 10:57 am
 Operator : claudias
 Sample : IC3084-7 Inst : MSVOA15-Z
 Misc : MS57344,VZ3084,,,,,
 ALS Vial : 9 Sample Multiplier: 1

Quant Time: Aug 28 11:14:06 2024
 Quant Method : C:\msdchem\1\methods\SIMCL-08-26-2024.M
 Quant Title : Standard Methods 6200B
 QLast Update : Mon Aug 26 13:08:06 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Fluorobenzene	7.895	96	19854	5.00	ug/L	0.00
18) Chlorobenzene-d5	10.980	117	19130	5.00	ug/L	0.00
System Monitoring Compounds						
13) 1,2-Dichloroethane-d4	7.628	65	5670	3.33	ug/L	0.00
Spiked Amount	5.000	Range 74 - 125	Recovery	=	66.60%#	
19) Toluene-d8	9.428	98	21351	6.88	ug/L	0.00
Spiked Amount	5.000	Range 88 - 111	Recovery	=	137.60%#	
Target Compounds						
						Qvalue
2) Vinyl Chloride	3.188	62	34546	14.64	ug/L	99
3) Chloromethane	3.133	50	39712	12.58	ug/L	99
4) 1,1-Dichloroethene	4.566	61	38127	13.78	ug/L	99
5) Methylene Chloride	5.213	49	39652	11.72	ug/L	97
6) trans-1,2-Dichloroethene	5.389	61	37250	13.77	ug/L	97
7) 1,1-Dichloroethane	6.059	63	49250	13.99	ug/L	100
8) cis-1,2-Dichloroethene	6.625	96	30314	15.99	ug/L	97
9) Chloroform	6.883	83	53897	14.61	ug/L	98
10) Carbon Tetrachloride	7.051	117	39942	15.86	ug/L	98
11) 1,1,1-Trichloroethane	7.126	97	45992	15.65	ug/L	97
12) Benzene	7.492	78	103044	17.62	ug/L	95
14) 1,2-Dichloroethane	7.696	62	36685	14.40	ug/L	95
15) Trichloroethene	8.061	95	28743	16.16	ug/L	92
16) 1,2-Dichloropropane	8.588	63	28227	16.20	ug/L	93
17) cis-1,3-Dichloropropene	9.246	75	44988	21.23	ug/L	96
20) trans-1,3-Dichloropropene	9.869	75	41051	21.96	ug/L	93
21) Tetrachloroethene	9.874	166	27204	17.02	ug/L #	94
22) 1,4-Dichlorobenzene	13.354	146	63291	17.40	ug/L	95
23) 1,2-Dibromo-3-Chloropr...	14.517	75	7993	23.82	ug/L #	77

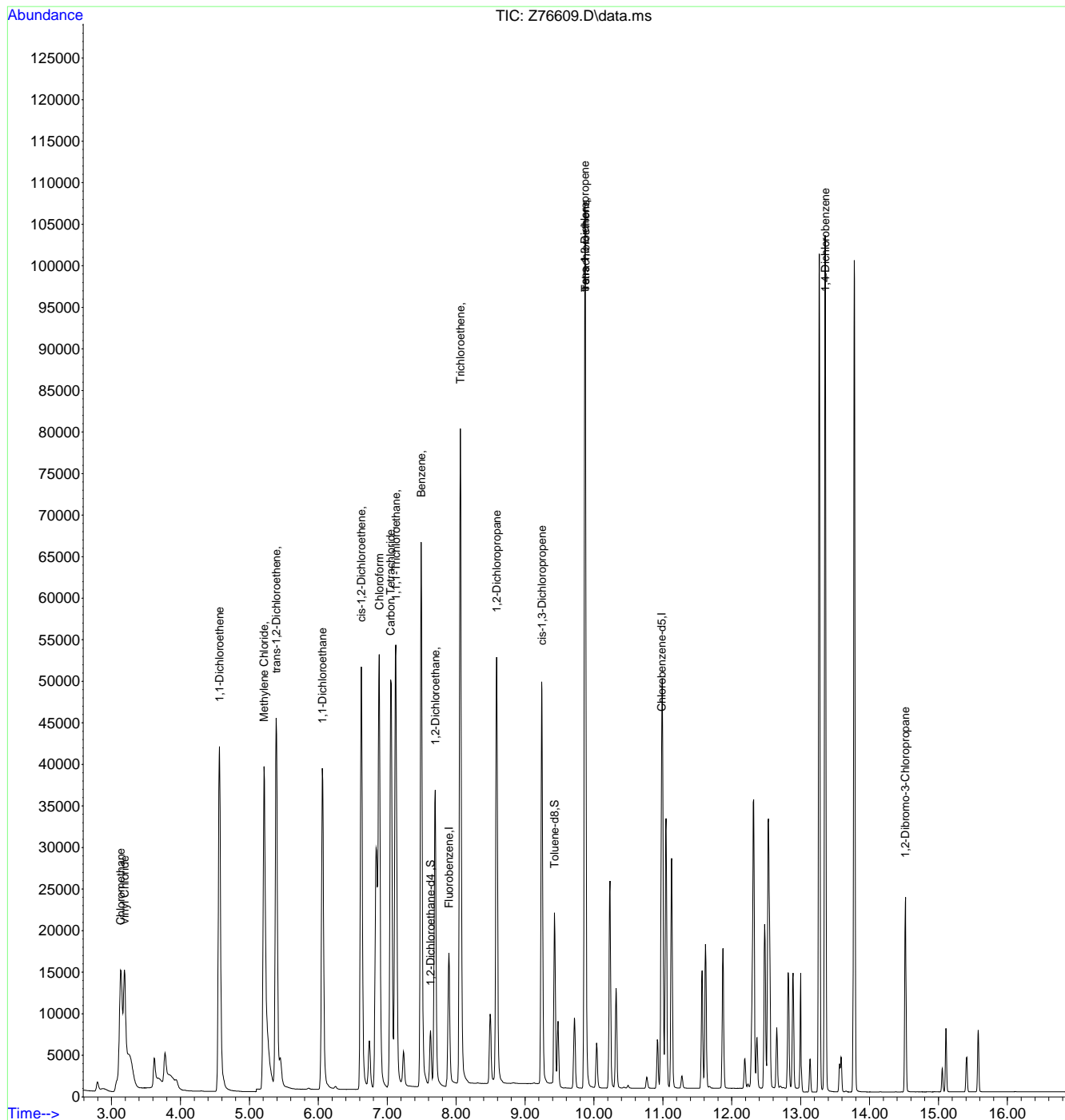
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\082824\
 Data File : Z76609.D
 Acq On : 28 Aug 2024 10:57 am
 Operator : claudias
 Sample : IC3084-7
 Misc : MS57344,VZ3084,,,,,
 ALS Vial : 9 Sample Multiplier: 1

Inst : MSVOA15-Z

Quant Time: Aug 28 11:14:06 2024
 Quant Method : C:\msdchem\1\methods\SIMCL-08-26-2024.M
 Quant Title : Standard Methods 6200B
 QLast Update : Mon Aug 26 13:08:06 2024
 Response via : Initial Calibration



7.6.7
7

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\082824\
 Data File : Z76611.D
 Acq On : 28 Aug 2024 11:43 am
 Operator : claudias
 Sample : icv3084-5 Inst : MSVOA15-Z
 Misc : MS57344,VZ3084,,,,,
 ALS Vial : 11 Sample Multiplier: 1

Quant Time: Aug 28 12:04:53 2024
 Quant Method : C:\msdchem\1\methods\SIMCL-08-28-2024.M
 Quant Title : Standard Methods 6200B
 QLast Update : Wed Aug 28 11:30:23 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	

Internal Standards							
1) Fluorobenzene	7.895	96	19205	5.00	ug/L	0.00	
18) Chlorobenzene-d5	10.980	117	19116	5.00	ug/L	0.00	
System Monitoring Compounds							
13) 1,2-Dichloroethane-d4	7.628	65	5603	4.82	ug/L	0.00	
Spiked Amount	5.000	Range 74 - 125	Recovery	=	96.40%		
19) Toluene-d8	9.428	98	21232	4.98	ug/L	0.00	
Spiked Amount	5.000	Range 88 - 111	Recovery	=	99.60%		
Target Compounds							
							Qvalue
2) Vinyl Chloride	3.188	62	15478	8.26	ug/L		99
3) Chloromethane	3.133	50	17429	8.15	ug/L		98
4) 1,1-Dichloroethene	4.566	61	21016	10.15	ug/L		99
5) Methylene Chloride	5.213	49	24313	10.02	ug/L		97
6) trans-1,2-Dichloroethene	5.389	61	20777	10.43	ug/L		98
7) 1,1-Dichloroethane	6.059	63	26656	10.76	ug/L		100
8) cis-1,2-Dichloroethene	6.625	96	16641	10.30	ug/L		97
9) Chloroform	6.883	83	30040	9.93	ug/L		98
10) Carbon Tetrachloride	7.051	117	22215	9.92	ug/L		98
11) 1,1,1-Trichloroethane	7.126	97	25363	10.21	ug/L		97
12) Benzene	7.492	78	54941	9.87	ug/L		95
14) 1,2-Dichloroethane	7.696	62	20330	10.40	ug/L		95
15) Trichloroethene	8.061	95	15602	10.63	ug/L		92
16) 1,2-Dichloropropane	8.588	63	15371	10.07	ug/L		93
17) cis-1,3-Dichloropropene	9.240	75	23259	10.10	ug/L		90
20) trans-1,3-Dichloropropene	9.874	75	19446	9.42	ug/L		94
21) Tetrachloroethene	9.874	166	14896	10.51	ug/L #		93
22) 1,4-Dichlorobenzene	13.354	146	34574	10.64	ug/L		95
23) 1,2-Dibromo-3-Chloropr...	14.520	75	4363	10.15	ug/L		83

(#) = qualifier out of range (m) = manual integration (+) = signals summed

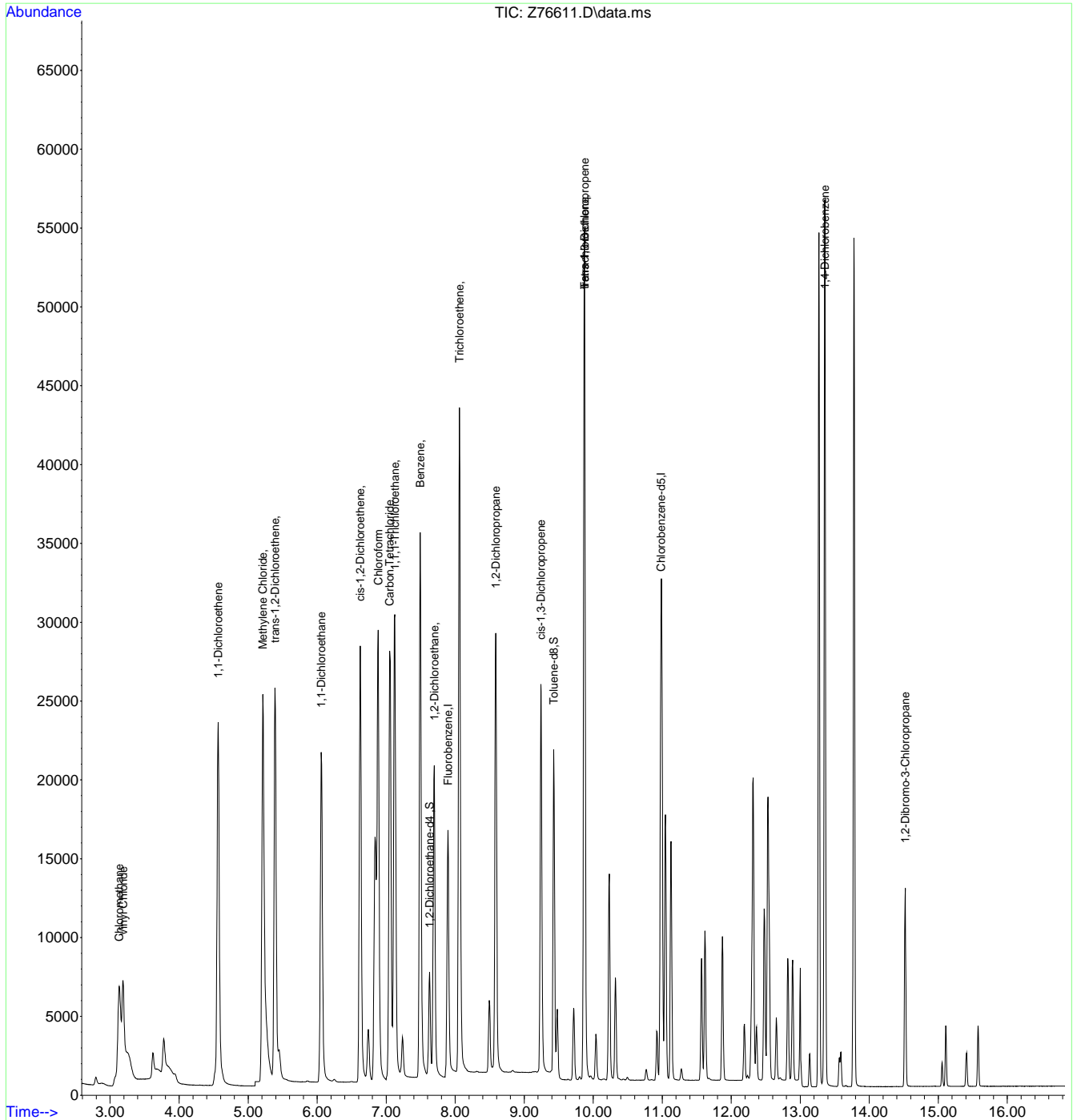
7.6.8
7

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\082824\
 Data File : Z76611.D
 Acq On : 28 Aug 2024 11:43 am
 Operator : claudias
 Sample : icv3084-5
 Misc : MS57344,VZ3084,,,,,
 ALS Vial : 11 Sample Multiplier: 1

Inst : MSVOA15-Z

Quant Time: Aug 28 12:04:53 2024
 Quant Method : C:\msdchem\1\methods\SIMCL-08-28-2024.M
 Quant Title : Standard Methods 6200B
 QLast Update : Wed Aug 28 11:30:23 2024
 Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\090424\
 Data File : Z76725.D
 Acq On : 4 Sep 2024 7:17 am
 Operator : claudias
 Sample : cc3084-5 Inst : MSVOA15-Z
 Misc : MS57405,VZ3089,,,,,
 ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 04 07:33:57 2024
 Quant Method : C:\msdchem\1\methods\SIMCL-08-28-2024.M
 Quant Title : Standard Methods 6200B
 QLast Update : Wed Aug 28 11:30:23 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	

Internal Standards							
1) Fluorobenzene	7.889	96	18987	5.00	ug/L	0.00	
18) Chlorobenzene-d5	10.975	117	21828	5.00	ug/L	0.00	
System Monitoring Compounds							
13) 1,2-Dichloroethane-d4	7.621	65	6337	5.51	ug/L	0.00	
Spiked Amount	5.000	Range 74 - 125	Recovery	=	110.20%		
19) Toluene-d8	9.423	98	22508	4.62	ug/L	0.00	
Spiked Amount	5.000	Range 88 - 111	Recovery	=	92.40%		
Target Compounds							
							Qvalue
2) Vinyl Chloride	3.188	62	21429	12.00	ug/L		99
3) Chloromethane	3.120	50	25741	12.67	ug/L		99
4) 1,1-Dichloroethene	4.561	61	24966	12.51	ug/L		96
5) Methylene Chloride	5.208	49	29544	13.25	ug/L		93
6) trans-1,2-Dichloroethene	5.383	61	24609	12.78	ug/L		94
7) 1,1-Dichloroethane	6.054	63	32473	13.26	ug/L		100
8) cis-1,2-Dichloroethene	6.619	96	19165	12.21	ug/L		93
9) Chloroform	6.877	83	34492	11.85	ug/L		97
10) Carbon Tetrachloride	7.051	117	22604	10.26	ug/L		99
11) 1,1,1-Trichloroethane	7.119	97	28280	11.70	ug/L		96
12) Benzene	7.486	78	59098	10.74	ug/L		97
14) 1,2-Dichloroethane	7.689	62	23981	12.66	ug/L		94
15) Trichloroethene	8.055	95	15748	10.86	ug/L		88
16) 1,2-Dichloropropane	8.582	63	16827	11.15	ug/L		92
17) cis-1,3-Dichloropropene	9.240	75	24888	10.97	ug/L		92
20) trans-1,3-Dichloropropene	9.869	75	22325	9.47	ug/L		93
21) Tetrachloroethene	9.869	166	15060	9.26	ug/L #		90
22) 1,4-Dichlorobenzene	13.354	146	38464	10.36	ug/L		94
23) 1,2-Dibromo-3-Chloropr...	14.517	75	4366	8.82	ug/L #		70

(#) = qualifier out of range (m) = manual integration (+) = signals summed



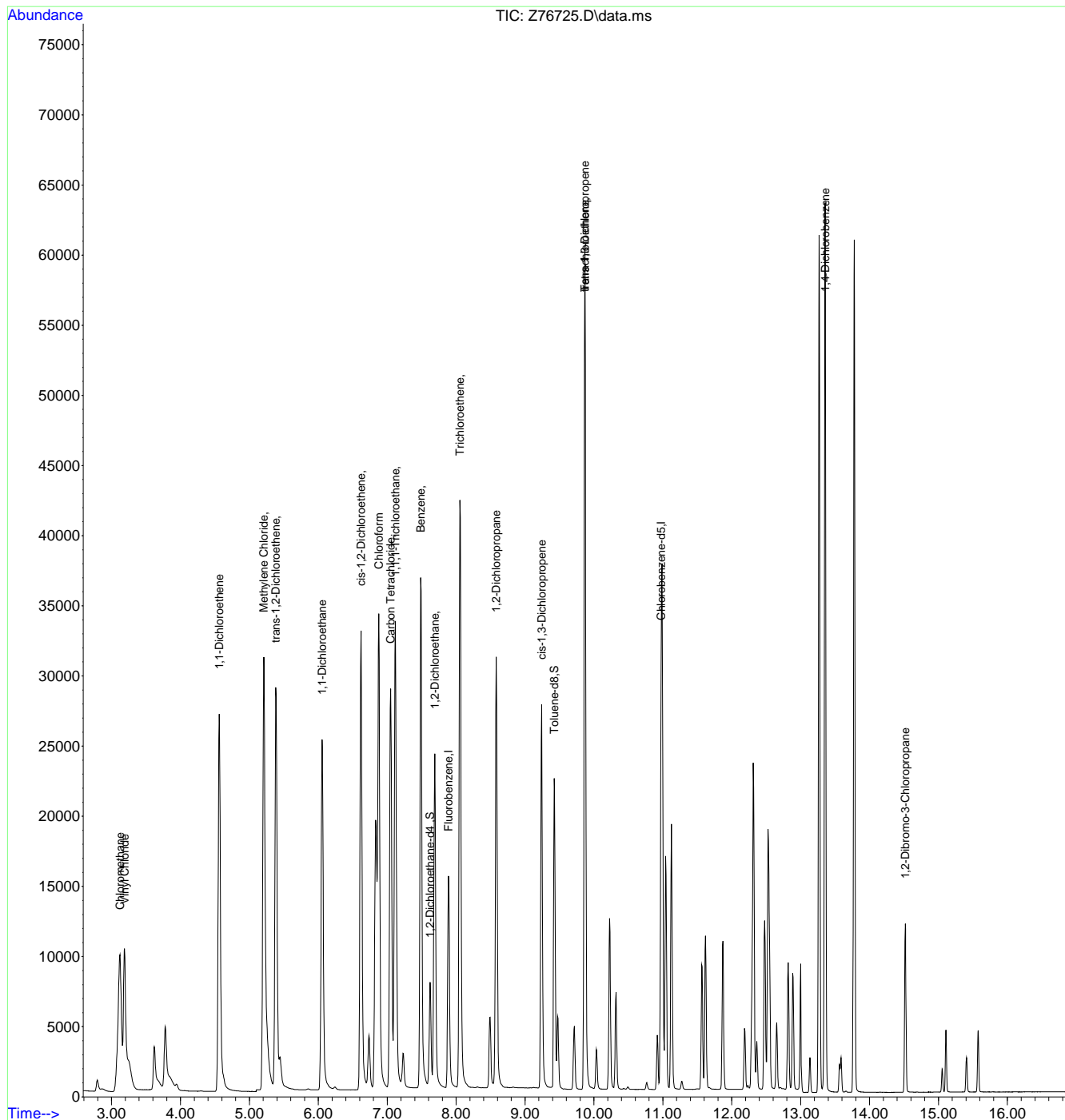
7.6.9
7

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\090424\
 Data File : Z76725.D
 Acq On : 4 Sep 2024 7:17 am
 Operator : claudias
 Sample : cc3084-5
 Misc : MS57405,VZ3089,,,,,
 ALS Vial : 2 Sample Multiplier: 1

Inst : MSVOA15-Z

Quant Time: Sep 04 07:33:57 2024
 Quant Method : C:\msdchem\1\methods\SIMCL-08-28-2024.M
 Quant Title : Standard Methods 6200B
 QLast Update : Wed Aug 28 11:30:23 2024
 Response via : Initial Calibration



6.9.7



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\090424\
 Data File : Z76741.D
 Acq On : 4 Sep 2024 2:03 pm
 Operator : claudias
 Sample : ECC3084-5 Inst : MSVOA15-Z
 Misc : MS57418,VZ3089,,,,,
 ALS Vial : 18 Sample Multiplier: 1

Quant Time: Sep 05 06:16:17 2024
 Quant Method : C:\msdchem\1\methods\SIMCL-08-28-2024.M
 Quant Title : Standard Methods 6200B
 QLast Update : Wed Aug 28 11:30:23 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	

Internal Standards							
1) Fluorobenzene	7.895	96	19358	5.00	ug/L	0.00	
18) Chlorobenzene-d5	10.975	117	21860	5.00	ug/L	0.00	
System Monitoring Compounds							
13) 1,2-Dichloroethane-d4	7.628	65	6524	5.56	ug/L	0.00	
Spiked Amount	5.000	Range	74 - 125	Recovery	=	111.20%	
19) Toluene-d8	9.428	98	22825	4.68	ug/L	0.00	
Spiked Amount	5.000	Range	88 - 111	Recovery	=	93.60%	
Target Compounds							
							Qvalue
2) Vinyl Chloride	3.192	62	21124	11.55	ug/L		99
3) Chloromethane	3.129	50	25085	12.05	ug/L		99
4) 1,1-Dichloroethene	4.566	61	24357	11.89	ug/L		95
5) Methylene Chloride	5.213	49	31279	14.02	ug/L		93
6) trans-1,2-Dichloroethene	5.389	61	23475	11.85	ug/L		94
7) 1,1-Dichloroethane	6.059	63	31214	12.50	ug/L		100
8) cis-1,2-Dichloroethene	6.625	96	17883	11.06	ug/L		92
9) Chloroform	6.883	83	32339	10.72	ug/L		97
10) Carbon Tetrachloride	7.051	117	21007	9.22	ug/L		98
11) 1,1,1-Trichloroethane	7.126	97	26935	10.83	ug/L		96
12) Benzene	7.492	78	58011	10.34	ug/L		96
14) 1,2-Dichloroethane	7.696	62	23310	12.00	ug/L		94
15) Trichloroethene	8.061	95	15271	10.30	ug/L		88
16) 1,2-Dichloropropane	8.588	63	16443	10.69	ug/L		92
17) cis-1,3-Dichloropropene	9.240	75	23474	10.11	ug/L		88
20) trans-1,3-Dichloropropene	9.874	75	21282	9.02	ug/L		93
21) Tetrachloroethene	9.869	166	13849	8.48	ug/L #		88
22) 1,4-Dichlorobenzene	13.354	146	34487	9.28	ug/L		93
23) 1,2-Dibromo-3-Chloropr...	14.517	75	4381	8.84	ug/L #		66

(#) = qualifier out of range (m) = manual integration (+) = signals summed

7.6.10
7

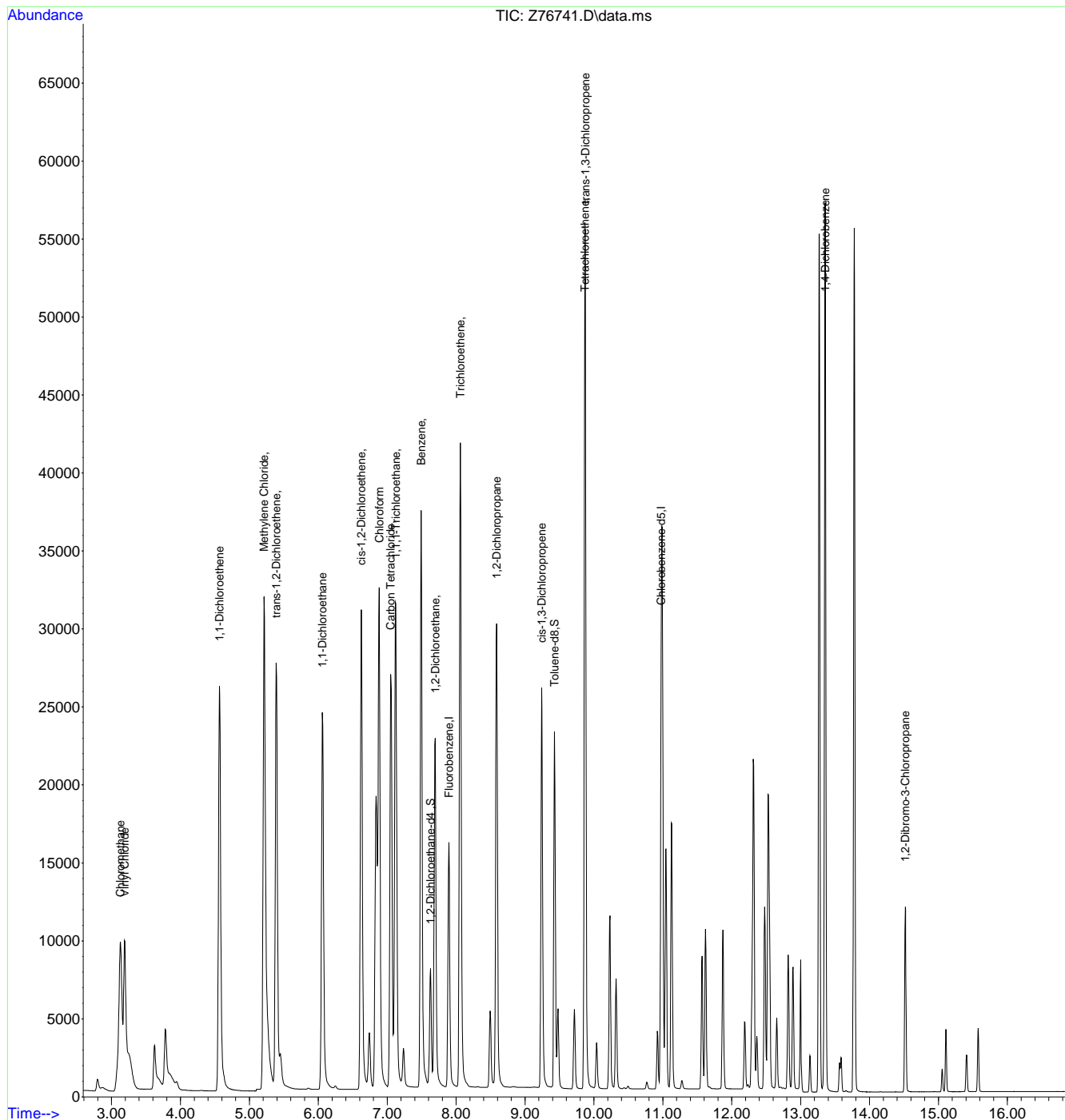


Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\090424\
 Data File : Z76741.D
 Acq On : 4 Sep 2024 2:03 pm
 Operator : claudias
 Sample : ECC3084-5
 Misc : MS57418,VZ3089,,,,,
 ALS Vial : 18 Sample Multiplier: 1

Inst : MSVOA15-Z

Quant Time: Sep 05 06:16:17 2024
 Quant Method : C:\msdchem\1\methods\SIMCL-08-28-2024.M
 Quant Title : Standard Methods 6200B
 QLast Update : Wed Aug 28 11:30:23 2024
 Response via : Initial Calibration



7.6.10
7



SGS -ORLANDO

VOA-GC/MS ANALYSIS LOG

Instrument:	MSVOA15-Z
Date:	08/28/2024
Analyst:	claudias
Column Type	RTX/MS
Detector	5975C-MSD
Purge Pressure	
Purge Volume	5ml

Method(s):	8260SIMCL
Method File:	SIMCL-08-21-2024.M
Calibration Date:	08/21/24
Acq. Method:	ACQ_SIMCLB.M
EM Voltage:	1452
Run ID:	VZ3084

BFB:	VS4150
ICAL/CC:	, VS4183, VS4198
ICV/BS:	, VS4167, VS4199
ISTD/Surr.:	VS4083

pH Paper Lot#:	230320A
KI Paper Lot#:	n/a
AFA Lot#:	n/a
Data processed by:	claudias
Sample ID Ver. by:	claudias
Date Verified:	8/26/2024 0:00

Data File	Sample ID	Dilution Factor	Vial #	Matrix	A.S. Pos.	Work Group	pH	CI? (Y/N)	RR	Comments and Manually Integrated Peaks (Peak # and Rational)
Z76601	BFB	-	-	W	1	-	-	-	-	10.5 µl-40 ml; passed
Z76602	rinse	-	-	W	2	-	-	-	-	
Z76603	lc3084-1	-	-	W	3	-	-	-	-	4µl- 100 ml #23(MP), #9,#10,#11(PH)
Z76604	lc3084-2	-	-	W	4	-	-	-	-	5µl- 100 ml #23(MP), #9,#10,#11(PH)
Z76605	lc3084-3	-	-	W	5	-	-	-	-	10µl- 50 ml ✓
Z76606	lc3084-4	-	-	W	6	-	-	-	-	25µl- 50 ml ✓
Z76607	lc3084-5	-	-	W	7	-	-	-	-	50µl- 50 ml ✓
Z76608	lc3084-6	-	-	W	8	-	-	-	-	75µl- 50 ml ✓
Z76609	lc3084-7	-	-	W	9	-	-	-	-	100µl-50 ml ✓
Z76610	rinse	-	-	W	10	-	-	-	-	
Z76611	lc3084-5	-	-	W	11	-	-	-	-	50µl- 50 ml ✓

Matrix: Designate "W" for Water, "S" for soil, "O" for Oil, "L" for Non-aqueous Liquid, and "TCLP" or "SPLP" for Leachate
Manual Integration Rational SOP QAO29: MP Missed Peak, OP Overlapping Peak, SP Split Peak, PDB Poorly Defined Baseline, BR Baseline Ripple, PH Poor Instrument



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

e-Hardcopy 2.0
Automated Report

Technical Report for

Ahtna Global, LLC

Fort Ord Groundwater Monitoring

21187.001.01.0000 (FFO 2024 Q3) OUCTP-Lower

SGS Job Number: FC18340

Sampling Date: 08/21/24



Report to:

Ahtna Global, LLC
9699 Blue Larkspur Lane Suite 203
Monterey, CA 93940
dlieberman@ahtna.net; mfisher@ahtna.net;
hdillon@ahtna.net; eschmidt@ahtna.net;
ATTN: Derek Lieberman

Total number of pages in report: **194**



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

Norm Farmer
Technical Director

Client Service contact: Elvin Kumar 407-425-6700

Certifications: FL(E83510), LA(03051), KS(E-10327), NC(573), NJ(FL002), NY(12022), SC(96038001)

DoD ELAP(ANAB L2229), AZ(AZ0806), CA(2937), TX(T104704404), PA(68-03573), VA(460177),

AL, AK, AR, CT, IA, KY, MA, MI, MS, ND, NH, NV, OK, OR, IL, UT, VT, WA, WI, WV

This report shall not be reproduced, except in its entirety, without the written approval of SGS.

Test results relate only to samples analyzed.

Table of Contents

-1-

Section 1: Sample Summary	3
Section 2: Case Narrative/Conformance Summary	4
Section 3: Summary of Hits	5
Section 4: Sample Results	6
4.1: FC18340-1: 2434W0BW220A	7
4.2: FC18340-2: 2434W0BW164F	8
4.3: FC18340-3: 2434W0BW163F	9
4.4: FC18340-4: 2434W0BW203C	10
4.5: FC18340-5: 2434W0BW161F	11
4.6: FC18340-6: 2434WOU2144F	12
4.7: FC18340-7: 2434WOU2146F	13
4.8: FC18340-8: 2434WOU2176D	14
4.9: FC18340-9: 2434W0BW169F	15
Section 5: Misc. Forms	16
5.1: Chain of Custody	17
5.2: QC Evaluation: DOD QSM5.x Limits	20
Section 6: MS Volatiles - QC Data Summaries	22
6.1: Method Blank Summary	23
6.2: Blank Spike Summary	25
6.3: Matrix Spike/Matrix Spike Duplicate Summary	27
6.4: Instrument Performance Checks (BFB)	29
6.5: Internal Standard Area Summaries	33
6.6: Surrogate Recovery Summaries	35
6.7: Initial and Continuing Calibration Summaries	36
6.8: Run Sequence Reports	51
Section 7: MS Volatiles - Raw Data	55
7.1: Samples	56
7.2: Method Blanks	114
7.3: Blank Spikes	120
7.4: Matrix Spike/Matrix Spike Duplicates	124
7.5: Instrument Performance Checks (BFB)	132
7.6: Initial and Continuing Calibrations	136
7.7: Instrument Run Logs	191



Sample Summary

Ahtna Global, LLC

Job No: FC18340

Fort Ord Groundwater Monitoring

Project No: 21187.001.01.0000 (FFO 2024 Q3) OUCTP-Lower

Sample Number	Collected		Received	Matrix		Client Sample ID
	Date	Time By		Code	Type	
FC18340-1	08/21/24	07:37	08/27/24	AQ	Trip Blank Water	2434W0BW220A
FC18340-2	08/21/24	08:20	08/27/24	AQ	Ground Water	2434W0BW164F
FC18340-3	08/21/24	08:35	08/27/24	AQ	Ground Water	2434W0BW163F
FC18340-4	08/21/24	09:02	08/27/24	AQ	Field Blank Water	2434W0BW203C
FC18340-5	08/21/24	13:17	08/27/24	AQ	Ground Water	2434W0BW161F
FC18340-6	08/21/24	13:57	08/27/24	AQ	Ground Water	2434WOU2144F
FC18340-7	08/21/24	14:31	08/27/24	AQ	Ground Water	2434WOU2146F
FC18340-8	08/21/24	14:36	08/27/24	AQ	Ground Water	2434WOU2176D
FC18340-9	08/21/24	15:30	08/27/24	AQ	Ground Water	2434W0BW169F

SAMPLE DELIVERY GROUP CASE NARRATIVE

Client: Ahtna Global, LLC

Job No: FC18340

Site: Fort Ord Groundwater Monitoring

Report Date: 9/3/2024 4:18:36 PM

On 08/27/2024, 7 Sample(s), 1 Trip Blank(s), 0 Equip. Blank(s) and 1 Field Blank(s) were received at SGS North America Inc - Orlando. at a maximum corrected temperature of 3.4 C. Samples were intact and chemically preserved, unless noted below. A SGS North America Inc. - Orlando Job Number of FC18340 was assigned to the project.

Laboratory sample ID, client sample ID and dates of sample collection are detailed in the report's Results Summary Section. Specified quality control criteria were achieved for this job except as noted below. For more information, please refer to the analytical results and QC summary pages.

MS Volatiles By Method SW846 8260D BY SIM

Matrix: AQ

Batch ID: VN6712

Sample(s) FC18198-6MS, FC18198-6MSD were used as the QC samples indicated.

Matrix: AQ

Batch ID: VZ3086

Sample(s) FC18339-9MS, FC18339-9MSD were used as the QC samples indicated.

SGS North America Inc. - Orlando certifies that data reported for samples received, listed on the associated custody chain or analytical task order, were produced to specifications meeting the Quality System precision, accuracy and completeness objectives except as noted. Estimated non-standard method measurement uncertainty data is available on request, based on quality control bias and implicit for standard methods. Acceptable uncertainty requires tested parameter quality control data to meet method criteria. SGS North America Inc.- Orlando is not responsible for data quality assumptions if partial reports are used and recommends that this report be used in its entirety.

Narrative prepared by:

Kim Benham, Report Generation (signature on file)

Summary of Hits

Job Number: FC18340
Account: Ahtna Global, LLC
Project: Fort Ord Groundwater Monitoring
Collected: 08/21/24



Lab Sample ID	Client Sample ID	Result/ Qual	LOQ	LOD	Units	Method
---------------	------------------	-----------------	-----	-----	-------	--------

FC18340-1 **2434W0BW220A**

No hits reported in this sample.

FC18340-2 **2434W0BW164F**

Trichloroethylene	0.72	0.50	0.25	ug/l	SW846 8260D BY SIM
-------------------	------	------	------	------	--------------------

FC18340-3 **2434W0BW163F**

Carbon Tetrachloride	0.70	0.50	0.25	ug/l	SW846 8260D BY SIM
----------------------	------	------	------	------	--------------------

FC18340-4 **2434W0BW203C**

No hits reported in this sample.

FC18340-5 **2434W0BW161F**

Trichloroethylene	0.93	0.50	0.25	ug/l	SW846 8260D BY SIM
-------------------	------	------	------	------	--------------------

FC18340-6 **2434WOU2144F**

Carbon Tetrachloride	0.16 J	0.50	0.25	ug/l	SW846 8260D BY SIM
Trichloroethylene	1.1	0.50	0.25	ug/l	SW846 8260D BY SIM

FC18340-7 **2434WOU2146F**

Carbon Tetrachloride	0.92	0.50	0.25	ug/l	SW846 8260D BY SIM
----------------------	------	------	------	------	--------------------

FC18340-8 **2434WOU2176D**

Carbon Tetrachloride	1.2	0.50	0.25	ug/l	SW846 8260D BY SIM
----------------------	-----	------	------	------	--------------------

FC18340-9 **2434W0BW169F**

Trichloroethylene	0.77	0.50	0.25	ug/l	SW846 8260D BY SIM
-------------------	------	------	------	------	--------------------

Sample Results

Report of Analysis

SGS North America Inc.

Report of Analysis

Page 1 of 1

Client Sample ID: 2434W0BW220A	
Lab Sample ID: FC18340-1	Date Sampled: 08/21/24
Matrix: AQ - Trip Blank Water	Date Received: 08/27/24
Method: SW846 8260D BY SIM	Percent Solids: n/a
Project: Fort Ord Groundwater Monitoring	

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	Z76646.D	1	08/29/24 09:55	CS	n/a	n/a	VZ3086
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA Special List

CAS No.	Compound	Result	LOQ	LOD	DL	Units	Q
56-23-5	Carbon Tetrachloride	0.25 U	0.50	0.25	0.10	ug/l	
107-06-2	1,2-Dichloroethane	0.25 U	0.50	0.25	0.10	ug/l	
79-01-6	Trichloroethylene	0.25 U	0.50	0.25	0.10	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
17060-07-0	1,2-Dichloroethane-D4	106%		74-125%
2037-26-5	Toluene-D8	97%		88-111%

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

4.1
4

SGS North America Inc.

Report of Analysis

Page 1 of 1

Client Sample ID: 2434W0BW164F	
Lab Sample ID: FC18340-2	Date Sampled: 08/21/24
Matrix: AQ - Ground Water	Date Received: 08/27/24
Method: SW846 8260D BY SIM	Percent Solids: n/a
Project: Fort Ord Groundwater Monitoring	

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	Z76660.D	1	08/29/24 15:18	CS	n/a	n/a	VZ3086
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA Special List

CAS No.	Compound	Result	LOQ	LOD	DL	Units	Q
56-23-5	Carbon Tetrachloride	0.25 U	0.50	0.25	0.10	ug/l	
107-06-2	1,2-Dichloroethane	0.25 U	0.50	0.25	0.10	ug/l	
79-01-6	Trichloroethylene	0.72	0.50	0.25	0.10	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
17060-07-0	1,2-Dichloroethane-D4	107%		74-125%
2037-26-5	Toluene-D8	97%		88-111%

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

4.2
4

SGS North America Inc.

Report of Analysis

Page 1 of 1

Client Sample ID: 2434W0BW163F	
Lab Sample ID: FC18340-3	Date Sampled: 08/21/24
Matrix: AQ - Ground Water	Date Received: 08/27/24
Method: SW846 8260D BY SIM	Percent Solids: n/a
Project: Fort Ord Groundwater Monitoring	

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	Z76661.D	1	08/29/24 15:41	CS	n/a	n/a	VZ3086
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA Special List

CAS No.	Compound	Result	LOQ	LOD	DL	Units	Q
56-23-5	Carbon Tetrachloride	0.70	0.50	0.25	0.10	ug/l	
107-06-2	1,2-Dichloroethane	0.25 U	0.50	0.25	0.10	ug/l	
79-01-6	Trichloroethylene	0.25 U	0.50	0.25	0.10	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
17060-07-0	1,2-Dichloroethane-D4	109%		74-125%
2037-26-5	Toluene-D8	97%		88-111%

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

4.3
 4

SGS North America Inc.

Report of Analysis

Page 1 of 1

Client Sample ID: 2434W0BW203C	
Lab Sample ID: FC18340-4	Date Sampled: 08/21/24
Matrix: AQ - Field Blank Water	Date Received: 08/27/24
Method: SW846 8260D BY SIM	Percent Solids: n/a
Project: Fort Ord Groundwater Monitoring	

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	Z76647.D	1	08/29/24 10:18	CS	n/a	n/a	VZ3086
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA Special List

CAS No.	Compound	Result	LOQ	LOD	DL	Units	Q
56-23-5	Carbon Tetrachloride	0.25 U	0.50	0.25	0.10	ug/l	
107-06-2	1,2-Dichloroethane	0.25 U	0.50	0.25	0.10	ug/l	
79-01-6	Trichloroethylene	0.25 U	0.50	0.25	0.10	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
17060-07-0	1,2-Dichloroethane-D4	109%		74-125%
2037-26-5	Toluene-D8	96%		88-111%

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

4.4
 4

SGS North America Inc.

Report of Analysis

Page 1 of 1

Client Sample ID: 2434W0BW161F	
Lab Sample ID: FC18340-5	Date Sampled: 08/21/24
Matrix: AQ - Ground Water	Date Received: 08/27/24
Method: SW846 8260D BY SIM	Percent Solids: n/a
Project: Fort Ord Groundwater Monitoring	

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	Z76662.D	1	08/29/24 16:04	CS	n/a	n/a	VZ3086
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA Special List

CAS No.	Compound	Result	LOQ	LOD	DL	Units	Q
56-23-5	Carbon Tetrachloride	0.25 U	0.50	0.25	0.10	ug/l	
107-06-2	1,2-Dichloroethane	0.25 U	0.50	0.25	0.10	ug/l	
79-01-6	Trichloroethylene	0.93	0.50	0.25	0.10	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
17060-07-0	1,2-Dichloroethane-D4	109%		74-125%
2037-26-5	Toluene-D8	97%		88-111%

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

4.5
4

SGS North America Inc.

Report of Analysis

Page 1 of 1

Client Sample ID: 2434WOU2144F	
Lab Sample ID: FC18340-6	Date Sampled: 08/21/24
Matrix: AQ - Ground Water	Date Received: 08/27/24
Method: SW846 8260D BY SIM	Percent Solids: n/a
Project: Fort Ord Groundwater Monitoring	

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	Z76663.D	1	08/29/24 16:27	CS	n/a	n/a	VZ3086
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA Special List

CAS No.	Compound	Result	LOQ	LOD	DL	Units	Q
56-23-5	Carbon Tetrachloride	0.16	0.50	0.25	0.10	ug/l	J
107-06-2	1,2-Dichloroethane	0.25 U	0.50	0.25	0.10	ug/l	
79-01-6	Trichloroethylene	1.1	0.50	0.25	0.10	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
17060-07-0	1,2-Dichloroethane-D4	107%		74-125%
2037-26-5	Toluene-D8	97%		88-111%

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

4.6
4

SGS North America Inc.

Report of Analysis

Page 1 of 1

Client Sample ID: 2434WOU2146F	
Lab Sample ID: FC18340-7	Date Sampled: 08/21/24
Matrix: AQ - Ground Water	Date Received: 08/27/24
Method: SW846 8260D BY SIM	Percent Solids: n/a
Project: Fort Ord Groundwater Monitoring	

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	Z76664.D	1	08/29/24 16:50	CS	n/a	n/a	VZ3086
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA Special List

CAS No.	Compound	Result	LOQ	LOD	DL	Units	Q
56-23-5	Carbon Tetrachloride	0.92	0.50	0.25	0.10	ug/l	
107-06-2	1,2-Dichloroethane	0.25 U	0.50	0.25	0.10	ug/l	
79-01-6	Trichloroethylene	0.25 U	0.50	0.25	0.10	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
17060-07-0	1,2-Dichloroethane-D4	110%		74-125%
2037-26-5	Toluene-D8	97%		88-111%

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

4.7
 4

Report of Analysis

Client Sample ID: 2434WOU2176D	
Lab Sample ID: FC18340-8	Date Sampled: 08/21/24
Matrix: AQ - Ground Water	Date Received: 08/27/24
Method: SW846 8260D BY SIM	Percent Solids: n/a
Project: Fort Ord Groundwater Monitoring	

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	N0132384.D	1	08/30/24 12:36	JW	n/a	n/a	VN6712
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA Special List

CAS No.	Compound	Result	LOQ	LOD	DL	Units	Q
56-23-5	Carbon Tetrachloride	1.2	0.50	0.25	0.10	ug/l	
107-06-2	1,2-Dichloroethane	0.25 U	0.50	0.25	0.10	ug/l	
79-01-6	Trichloroethylene	0.25 U	0.50	0.25	0.10	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
17060-07-0	1,2-Dichloroethane-D4	110%		74-125%
2037-26-5	Toluene-D8	103%		88-111%

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

SGS North America Inc.

Report of Analysis

Page 1 of 1

Client Sample ID:	2434W0BW169F	Date Sampled:	08/21/24
Lab Sample ID:	FC18340-9	Date Received:	08/27/24
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8260D BY SIM		
Project:	Fort Ord Groundwater Monitoring		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	N0132385.D	1	08/30/24 12:59	JW	n/a	n/a	VN6712
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA Special List

CAS No.	Compound	Result	LOQ	LOD	DL	Units	Q
56-23-5	Carbon Tetrachloride	0.25 U	0.50	0.25	0.10	ug/l	
107-06-2	1,2-Dichloroethane	0.25 U	0.50	0.25	0.10	ug/l	
79-01-6	Trichloroethylene	0.77	0.50	0.25	0.10	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
17060-07-0	1,2-Dichloroethane-D4	111%		74-125%
2037-26-5	Toluene-D8	106%		88-111%

U = Not detected

LOD = Limit of Detection

J = Indicates an estimated value

LOQ = Limit of Quantitation

DL = Detection Limit

B = Indicates analyte found in associated method blank

E = Indicates value exceeds calibration range

N = Indicates presumptive evidence of a compound

Misc. Forms

Custody Documents and Other Forms

Includes the following where applicable:

- Chain of Custody
- QC Evaluation: DOD QSM5.x Limits

Ahtna CADS3425

FC18340

Chain-of-Custody / Analytical Request Document

Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed and accurate

Cooler No.:		of	
COC No: 240821-Site(OUCTP LOWER)-Team(3)			
Task Desc: FFO2024Q3_Team1234			

Lab Name: SGS North America Inc. - Orlando Lab Address: Lab PM: Elvin Kumar Lab Phone/Fax: (407) 425-6700 Lab PM Email:	Site ID #: FFORD Project #: 21187.001.01.0000 Site Address: FFO, Marina, CA 93933 Site PM Name: Derek Lieberman Site Phone/Fax:	Sampler: 1741469 Sampling Company: Ahtna 9401 Redwood Lakespur Ln Ste 201 Monterey Sampling Company Phone: (831)287-5250 Sampling Team Number: 3 Reimbursable Project?	Filtered Preserve Analysis SW8260D HCL
Applicable Lab Quote: 10 Business Days	Site PM Email: dlieberman@ahntna.net Turnaround Standard: Standard	Send EDD/Hard Copy To: labs@ahntna.net, dlieberman@ahntna.net	

Items No.	Sample ID	Sample Location	Matrix	Depth	G-Grab C-Comp	Sample Type	Sample Date Time	# of Containers	Comments Lab I.D.
1	2434W0BW220A		WQ		G	TB1	08/21/2024 07:37	2	X
2	2434W0BW162F		WG	384 - ft btoc	G	NS1	08/21/2024 08:20	3	X
3	2434W0BW163F		WG		G	NS1	08/21/2024 08:35	3	X
4	2434W0BW203C		WG		G	FB1	08/21/2024 09:02	3	X
5	2434W0BW161F		WG		G	NS1	08/21/2024 13:17	3	X
6	2434WOU2144F		WG	367 - 367 ft btoc	G	NS1	08/21/2024 13:57	3	X
7	2434WOU2146F		WG	330 - 330 ft btoc	G	NS1	08/21/2024 14:31	3	X

INITIAL ASSESSMENT [Signature]
LABEL VERIFICATION [Signature]

5.1
5

Sample Reason:	3.6 IELW1				
Additional Comments/Special Instructions: OUCTP - L	RELINQUISHED BY / AFFILIATION	Date Time	ACCEPTED BY / AFFILIATION	Date Time	Sample Receipt Conditions
	<u>[Signature]</u> / Blainetech	08/21/24 11:53	<u>[Signature]</u> / Ahtna	8/21/24 16:38	<input type="checkbox"/> Yes <input type="checkbox"/> Yes <input type="checkbox"/> Yes <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> No <input type="checkbox"/> No <input type="checkbox"/> No
	<u>[Signature]</u> / Ahtna	8/22/24 09:00	<u>[Signature]</u> / Le. Bantz SGS	8/22/24 12:05	<input type="checkbox"/> Yes <input type="checkbox"/> Yes <input type="checkbox"/> Yes <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> No <input type="checkbox"/> No <input type="checkbox"/> No
	<u>[Signature]</u> / Le. Bantz SGS	8/26/24 15:00	<u>[Signature]</u> / FedEx	9/26/24 15:00	<input type="checkbox"/> Yes <input type="checkbox"/> Yes <input type="checkbox"/> Yes <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> No <input type="checkbox"/> No <input type="checkbox"/> No
			<u>[Signature]</u>	08/27/24 9:00	<input type="checkbox"/> Yes <input type="checkbox"/> Yes <input type="checkbox"/> Yes <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> No <input type="checkbox"/> No <input type="checkbox"/> No
	SHIPPING METHOD: (mark as appropriate)		SAMPLER NAME AND SIGNATURE	Date Time	Temperature in °C Sample on Ice? Sample Intact? Trip Blank?

Ahtna

CADS 3425

FC18340

Chain-of-Custody / Analytical Request Document

Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed and accurate

Cooler No.:		of	
COC No: 240821-Site(OUCTP LOWER)-Team(3)			
Task Desc: FFO2024Q3_Team1234			

Lab Name: SGS North America Inc. - Orlando	Site ID #: FFORD	Sampler: 1741469	Filtered																		
Lab Address:	Project #: 21187.001.01.0000	Sampling Company: Ahtna																			
Lab PM: Elvin Kumar	Site Address: FFO, Marina, CA 93933	Sampling Company Phone: (831)287-5250	Preserve	HCL																	
Lab Phone/Fax: (407) 425-6700	Site PM Name: Derek Lieberman	Sampling Team Number: 3																			
Lab PM Email:	Site Phone/Fax:	Reimbursable Project?	Analysis	SW6260D																	
Applicable Lab Quote:	Site PM Email: dlieberman@ahina.net	Send EDD/Hard Copy To: labs@ahina.net, dlieberman@ahina.net																			
Turnaround Time: 10 Business Days	Turnaround Standard: Standard																				

Items No.	Sample ID	Sample Location	Matrix	Depth	G-Grain	Occ Comb	Sample Type	Sample Date Time	# of Containers	Comments Lab I.D.											
8	2434WOU2176D		WG	330 - 330 ft btoc	G		FD1	08/21/2024 14:36	3												X
9	2434W0BW169F		WG		G		NS1	08/21/2024 15:30	3												X

Sample Reason:	RELINQUISHED BY / AFFILIATION	Date Time	ACCEPTED BY / AFFILIATION	Date Time	Sample Receipt Conditions			
Additional Comments/Special Instructions: OUCTP-L	<i>Blainetech</i>	<i>8/21/24 16:33</i>	<i>Ahtna</i>	<i>8.21.24 16:23</i>	<input type="checkbox"/> Yes	<input type="checkbox"/> Yes	<input type="checkbox"/> Yes	<input type="checkbox"/> Yes
	<i>Ahtna</i>	<i>8/22/24 12:40</i>	<i>Lac Boz SGS</i>	<i>8/22/24 12:00</i>	<input type="checkbox"/> No	<input type="checkbox"/> No	<input type="checkbox"/> No	<input type="checkbox"/> No
	<i>Lac Boz SGS</i>	<i>8/26/24 15:00</i>	<i>FEDIX</i>	<i>8/26/24 15:00</i>	<input type="checkbox"/> Yes	<input type="checkbox"/> Yes	<input type="checkbox"/> Yes	<input type="checkbox"/> Yes
			<i>A/C</i>	<i>08/27/24 9:00</i>	<input type="checkbox"/> No	<input type="checkbox"/> No	<input type="checkbox"/> No	<input type="checkbox"/> No
	SHIPPING METHOD: (mark as appropriate)		SAMPLER NAME AND SIGNATURE	Date Time	Temperature in °C	Sample on Ice?	Sample Intact?	Trip Blank?

FC18340: Chain of Custody



5.1 5

SGS - Orlando Sample Receipt Summary

Job Number: fc18340

Client: AHTNA

Project: OUCTP-Lower FFO2024Q3

Date / Time Received: 8/27/2024 9:00:00 AM

Delivery Method: FEDEX

Airbill #s: 778194819312

Cooler Temps (Raw Measured) °C: Cooler 1: (3.6);

Cooler Temps (Corrected) °C: Cooler 1: (3.4);

Cooler Informatio

Y or N

- 1. Custody Seals Present:
- 2. Custody Seals Intact:
- 3. Temp criteria achieved:
- 4. Cooler temp verification: IR Gun
- 5. Cooler media: Ice (Bag)

Trip Blank Information

Y or N N/A

- 1. Trip Blank present / cooler:
- 2. Trip Blank listed on COC:

W or S N/A

- 3. Type of TB Received

Sample Information

Y or N N/A

- 1. Sample labels present on bottles:
- 2. Samples presented properly:
- 3. Sufficient volume/containers recv'd for analysi:
- 4. Condition of sample: Intact
- 5. Sample recv'd within HT:
- 6. Dates/Times/IDs on COC match sample labe:
- 7. VOCs have headspace:
- 8. Bottles received for unspecified tests:
- 9. Compositing instructions clear:
- 10. Voa Soil Kits/Jars received past 48hrs?:
- 11. % Solids Jar Received?:
- 12. Residual Chlorine Present?:

Misc Information

Number of Encores: 25 Gram 5 Gram
 Test Strip Lot #: pH 0-3: 226422
 Residual Chlorine Test Strip Lot: _____

Number of Lab Filtered Metals

pH 10-12: _____ Other: (Specify) pH 1.0 - 12.0 222221

Comments

Sample Receipt Summary 112723 EK

Technician: ZANEB

Date: 8/27/2024 12:04:03 PM

Reviewer: TW

Date: 08/27/24

FC18340: Chain of Custody

Page 3 of 3

5.1
5

QC Evaluation: DOD QSM5.x Limits

Job Number: FC18340
Account: Ahtna Global, LLC
Project: Fort Ord Groundwater Monitoring
Collected: 08/21/24

QC Sample ID	CAS#	Analyte	Sample Type	Result Type	Result	Units	Limits
--------------	------	---------	-------------	-------------	--------	-------	--------

VN6712 SW846 8260D BY SIM

VN6712-BS	56-23-5	Carbon Tetrachloride	BSP	REC	90	%	72-136
VN6712-BS	107-06-2	1,2-Dichloroethane	BSP	REC	108	%	73-128
VN6712-BS	79-01-6	Trichloroethylene	BSP	REC	100	%	79-123
VN6712-BS	17060-07-0	1,2-Dichloroethane-D4	BSP	SURR	98	%	81-118
VN6712-BS	2037-26-5	Toluene-D8	BSP	SURR	106	%	89-112
FC18198-6MS*	56-23-5	Carbon Tetrachloride	MS	REC	98	%	72-136
FC18198-6MS*	107-06-2	1,2-Dichloroethane	MS	REC	114	%	73-128
FC18198-6MS*	79-01-6	Trichloroethylene	MS	REC	102	%	79-123
FC18198-6MS*	17060-07-0	1,2-Dichloroethane-D4	MS	SURR	106	%	81-118
FC18198-6MS*	2037-26-5	Toluene-D8	MS	SURR	90	%	89-112
FC18198-6MSD*	56-23-5	Carbon Tetrachloride	MSD	REC	100	%	72-136
FC18198-6MSD*	56-23-5	Carbon Tetrachloride	MSD	RPD	2	%	20
FC18198-6MSD*	107-06-2	1,2-Dichloroethane	MSD	REC	114	%	73-128
FC18198-6MSD*	107-06-2	1,2-Dichloroethane	MSD	RPD	0	%	20
FC18198-6MSD*	79-01-6	Trichloroethylene	MSD	REC	102	%	79-123
FC18198-6MSD*	79-01-6	Trichloroethylene	MSD	RPD	0	%	20
FC18198-6MSD*	17060-07-0	1,2-Dichloroethane-D4	MSD	SURR	106	%	81-118
FC18198-6MSD*	2037-26-5	Toluene-D8	MSD	SURR	103	%	89-112
VN6712-MB	17060-07-0	1,2-Dichloroethane-D4	MB	SURR	105	%	81-118
VN6712-MB	2037-26-5	Toluene-D8	MB	SURR	107	%	89-112
FC18340-8	17060-07-0	1,2-Dichloroethane-D4	SAMP	SURR	110	%	81-118
FC18340-8	2037-26-5	Toluene-D8	SAMP	SURR	103	%	89-112
FC18340-9	17060-07-0	1,2-Dichloroethane-D4	SAMP	SURR	111	%	81-118
FC18340-9	2037-26-5	Toluene-D8	SAMP	SURR	106	%	89-112

VZ3086 SW846 8260D BY SIM

VZ3086-BS	56-23-5	Carbon Tetrachloride	BSP	REC	94	%	72-136
VZ3086-BS	107-06-2	1,2-Dichloroethane	BSP	REC	108	%	73-128
VZ3086-BS	79-01-6	Trichloroethylene	BSP	REC	102	%	79-123
VZ3086-BS	17060-07-0	1,2-Dichloroethane-D4	BSP	SURR	103	%	81-118
VZ3086-BS	2037-26-5	Toluene-D8	BSP	SURR	97	%	89-112
FC18339-9MS*	56-23-5	Carbon Tetrachloride	MS	REC	89	%	72-136
FC18339-9MS*	107-06-2	1,2-Dichloroethane	MS	REC	102	%	73-128
FC18339-9MS*	79-01-6	Trichloroethylene	MS	REC	94	%	79-123
FC18339-9MS*	17060-07-0	1,2-Dichloroethane-D4	MS	SURR	107	%	81-118
FC18339-9MS*	2037-26-5	Toluene-D8	MS	SURR	96	%	89-112
FC18339-9MSD*	56-23-5	Carbon Tetrachloride	MSD	REC	91	%	72-136
FC18339-9MSD*	56-23-5	Carbon Tetrachloride	MSD	RPD	2	%	20
FC18339-9MSD*	107-06-2	1,2-Dichloroethane	MSD	REC	104	%	73-128
FC18339-9MSD*	107-06-2	1,2-Dichloroethane	MSD	RPD	2	%	20
FC18339-9MSD*	79-01-6	Trichloroethylene	MSD	REC	96	%	79-123

* Sample used for QC is not from job FC18340

5.2
5

QC Evaluation: DOD QSM5.x Limits

Job Number: FC18340
Account: Ahtna Global, LLC
Project: Fort Ord Groundwater Monitoring
Collected: 08/21/24

QC Sample ID	CAS#	Analyte	Sample Type	Result Type	Result	Units	Limits
FC18339-9MSD*	79-01-6	Trichloroethylene	MSD	RPD	2	%	20
FC18339-9MSD*	17060-07-0	1,2-Dichloroethane-D4	MSD	SURR	108	%	81-118
FC18339-9MSD*	2037-26-5	Toluene-D8	MSD	SURR	97	%	89-112
VZ3086-MB	17060-07-0	1,2-Dichloroethane-D4	MB	SURR	107	%	81-118
VZ3086-MB	2037-26-5	Toluene-D8	MB	SURR	96	%	89-112
FC18340-1	17060-07-0	1,2-Dichloroethane-D4	SAMP	SURR	106	%	81-118
FC18340-1	2037-26-5	Toluene-D8	SAMP	SURR	97	%	89-112
FC18340-2	17060-07-0	1,2-Dichloroethane-D4	SAMP	SURR	107	%	81-118
FC18340-2	2037-26-5	Toluene-D8	SAMP	SURR	97	%	89-112
FC18340-3	17060-07-0	1,2-Dichloroethane-D4	SAMP	SURR	109	%	81-118
FC18340-3	2037-26-5	Toluene-D8	SAMP	SURR	97	%	89-112
FC18340-4	17060-07-0	1,2-Dichloroethane-D4	SAMP	SURR	109	%	81-118
FC18340-4	2037-26-5	Toluene-D8	SAMP	SURR	96	%	89-112
FC18340-5	17060-07-0	1,2-Dichloroethane-D4	SAMP	SURR	109	%	81-118
FC18340-5	2037-26-5	Toluene-D8	SAMP	SURR	97	%	89-112
FC18340-6	17060-07-0	1,2-Dichloroethane-D4	SAMP	SURR	107	%	81-118
FC18340-6	2037-26-5	Toluene-D8	SAMP	SURR	97	%	89-112
FC18340-7	17060-07-0	1,2-Dichloroethane-D4	SAMP	SURR	110	%	81-118
FC18340-7	2037-26-5	Toluene-D8	SAMP	SURR	97	%	89-112

* Sample used for QC is not from job FC18340

MS Volatiles

QC Data Summaries

Includes the following where applicable:

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

Method Blank Summary

Job Number: FC18340
Account: AHTNACAS Ahtna Global, LLC
Project: Fort Ord Groundwater Monitoring

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VZ3086-MB	Z76644.D	1	08/29/24	CS	n/a	n/a	VZ3086

The QC reported here applies to the following samples:

Method: SW846 8260D BY SIM

FC18340-1, FC18340-2, FC18340-3, FC18340-4, FC18340-5, FC18340-6, FC18340-7

CAS No.	Compound	Result	RL	MDL	Units	Q
56-23-5	Carbon Tetrachloride	ND	0.50	0.10	ug/l	
107-06-2	1,2-Dichloroethane	ND	0.50	0.10	ug/l	
79-01-6	Trichloroethylene	ND	0.50	0.10	ug/l	

CAS No.	Surrogate Recoveries	Limits	
17060-07-0	1,2-Dichloroethane-D4	107%	74-125%
2037-26-5	Toluene-D8	96%	88-111%

Method Blank Summary

Job Number: FC18340
Account: AHTNACAS Ahtna Global, LLC
Project: Fort Ord Groundwater Monitoring

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VN6712-MB	N0132374.D	1	08/30/24	JW	n/a	n/a	VN6712

The QC reported here applies to the following samples:

Method: SW846 8260D BY SIM

FC18340-8, FC18340-9

CAS No.	Compound	Result	RL	MDL	Units	Q
56-23-5	Carbon Tetrachloride	ND	0.50	0.10	ug/l	
107-06-2	1,2-Dichloroethane	ND	0.50	0.10	ug/l	
79-01-6	Trichloroethylene	ND	0.50	0.10	ug/l	

CAS No.	Surrogate Recoveries	Limits	
17060-07-0	1,2-Dichloroethane-D4	105%	74-125%
2037-26-5	Toluene-D8	107%	88-111%

Blank Spike Summary

Job Number: FC18340
Account: AHTNACAS Ahtna Global, LLC
Project: Fort Ord Groundwater Monitoring

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VZ3086-BS	Z76642.D	1	08/29/24	CS	n/a	n/a	VZ3086

The QC reported here applies to the following samples:

Method: SW846 8260D BY SIM

FC18340-1, FC18340-2, FC18340-3, FC18340-4, FC18340-5, FC18340-6, FC18340-7

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
56-23-5	Carbon Tetrachloride	5	4.7	94	76-136
107-06-2	1,2-Dichloroethane	5	5.4	108	75-125
79-01-6	Trichloroethylene	5	5.1	102	81-126

CAS No.	Surrogate Recoveries	BSP	Limits
17060-07-0	1,2-Dichloroethane-D4	103%	74-125%
2037-26-5	Toluene-D8	97%	88-111%

* = Outside of Control Limits.

Blank Spike Summary

Job Number: FC18340
Account: AHTNACAS Ahtna Global, LLC
Project: Fort Ord Groundwater Monitoring

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VN6712-BS	N0132372.D	1	08/30/24	JW	n/a	n/a	VN6712

The QC reported here applies to the following samples:

Method: SW846 8260D BY SIM

FC18340-8, FC18340-9

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
56-23-5	Carbon Tetrachloride	5	4.5	90	76-136
107-06-2	1,2-Dichloroethane	5	5.4	108	75-125
79-01-6	Trichloroethylene	5	5.0	100	81-126

CAS No.	Surrogate Recoveries	BSP	Limits
17060-07-0	1,2-Dichloroethane-D4	98%	74-125%
2037-26-5	Toluene-D8	106%	88-111%

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: FC18340
Account: AHTNACAS Ahtna Global, LLC
Project: Fort Ord Groundwater Monitoring

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
FC18339-9MS	Z76665.D	5	08/29/24	CS	n/a	n/a	VZ3086
FC18339-9MSD	Z76666.D	5	08/29/24	CS	n/a	n/a	VZ3086
FC18339-9	Z76648.D	1	08/29/24	CS	n/a	n/a	VZ3086

The QC reported here applies to the following samples:

Method: SW846 8260D BY SIM

FC18340-1, FC18340-2, FC18340-3, FC18340-4, FC18340-5, FC18340-6, FC18340-7

CAS No.	Compound	FC18339-9 ug/l	Spike Q ug/l	MS ug/l	MS %	Spike ug/l	MSD ug/l	MSD %	RPD	Limits Rec/RPD
56-23-5	Carbon Tetrachloride	0.50 U	25	22.2	89	25	22.7	91	2	76-136/23
107-06-2	1,2-Dichloroethane	0.50 U	25	25.6	102	25	26.0	104	2	75-125/14
79-01-6	Trichloroethylene	1.4	25	24.8	94	25	25.4	96	2	81-126/15

CAS No.	Surrogate Recoveries	MS	MSD	FC18339-9	Limits
17060-07-0	1,2-Dichloroethane-D4	107%	108%	108%	74-125%
2037-26-5	Toluene-D8	96%	97%	97%	88-111%

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: FC18340
Account: AHTNACAS Ahtna Global, LLC
Project: Fort Ord Groundwater Monitoring

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
FC18198-6MS	N0132395.D	1	08/30/24	JW	n/a	n/a	VN6712
FC18198-6MSD	N0132396.D	1	08/30/24	JW	n/a	n/a	VN6712
FC18198-6	N0132377.D	1	08/30/24	JW	n/a	n/a	VN6712

The QC reported here applies to the following samples:

Method: SW846 8260D BY SIM

FC18340-8, FC18340-9

CAS No.	Compound	FC18198-6 ug/l	Spike Q ug/l	MS ug/l	MS %	Spike ug/l	MSD ug/l	MSD %	RPD	Limits Rec/RPD
56-23-5	Carbon Tetrachloride	0.50 U	5	4.9	98	5	5.0	100	2	76-136/23
107-06-2	1,2-Dichloroethane	0.50 U	5	5.7	114	5	5.7	114	0	75-125/14
79-01-6	Trichloroethylene	2.3	5	7.4	102	5	7.4	102	0	81-126/15

CAS No.	Surrogate Recoveries	MS	MSD	FC18198-6	Limits
17060-07-0	1,2-Dichloroethane-D4	106%	106%	107%	74-125%
2037-26-5	Toluene-D8	90%	103%	105%	88-111%

* = Outside of Control Limits.

Instrument Performance Check (BFB)

Job Number: FC18340
Account: AHTNACAS Ahtna Global, LLC
Project: Fort Ord Groundwater Monitoring

Sample: VN6705-BFB	Injection Date: 08/20/24
Lab File ID: N0132197.D	Injection Time: 09:04
Instrument ID: GCMSN	

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance	Pass/Fail
95	Base peak, 100% relative abundance	28939	100.0	Pass
96	5.0 - 9.0% of mass 95	1718	5.94	Pass
173	Less than 2.0% of mass 174	120	0.41 (0.48) ^a	Pass
174	50.0 - 200.0% of mass 95	24867	85.9	Pass
175	5.0 - 9.0% of mass 174	1811	6.26 (7.28) ^a	Pass
176	95.0 - 105.0% of mass 174	24459	84.5 (98.4) ^a	Pass
177	5.0 - 10.0% of mass 176	1743	6.02 (7.13) ^b	Pass

(a) Value is % of mass 174

(b) Value is % of mass 176

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

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
VN6705-IC6705	N0132200.D	08/20/24	10:17	01:13	Initial cal 3
VN6705-IC6705	N0132201.D	08/20/24	10:41	01:37	Initial cal 4
VN6705-ICC6705	N0132202.D	08/20/24	11:04	02:00	Initial cal 5
VN6705-IC6705	N0132203.D	08/20/24	11:28	02:24	Initial cal 6
VN6705-IC6705	N0132204.D	08/20/24	11:51	02:47	Initial cal 7
VN6705-IC6705	N0132207.D	08/20/24	13:05	04:01	Initial cal 1
VN6705-IC6705	N0132208.D	08/20/24	13:28	04:24	Initial cal 2
VN6705-ICV6705	N0132209.D	08/20/24	13:52	04:48	Initial cal verification 5

Instrument Performance Check (BFB)

Job Number: FC18340
Account: AHTNACAS Ahtna Global, LLC
Project: Fort Ord Groundwater Monitoring

Sample: VN6712-BFB	Injection Date: 08/30/24
Lab File ID: N0132370.D	Injection Time: 06:56
Instrument ID: GCMSN	

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance	Pass/Fail
95	Base peak, 100% relative abundance	35797	100.0	Pass
96	5.0 - 9.0% of mass 95	2648	7.40	Pass
173	Less than 2.0% of mass 174	134	0.37 (0.45) ^a	Pass
174	50.0 - 200.0% of mass 95	29725	83.0	Pass
175	5.0 - 9.0% of mass 174	2310	6.45 (7.77) ^a	Pass
176	95.0 - 105.0% of mass 174	30096	84.1 (101.2) ^a	Pass
177	5.0 - 10.0% of mass 176	1610	4.50 (5.35) ^b	Pass

(a) Value is % of mass 174

(b) Value is % of mass 176

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

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
VN6712-CC6705	N0132371.D	08/30/24	07:22	00:26	Continuing cal 5
VN6712-BS	N0132372.D	08/30/24	07:47	00:51	Blank Spike
VN6712-MB	N0132374.D	08/30/24	08:33	01:37	Method Blank
ZZZZZZ	N0132375.D	08/30/24	09:06	02:10	(unrelated sample)
ZZZZZZ	N0132376.D	08/30/24	09:30	02:34	(unrelated sample)
FC18198-6	N0132377.D	08/30/24	09:53	02:57	(used for QC only; not part of job FC18340)
ZZZZZZ	N0132378.D	08/30/24	10:16	03:20	(unrelated sample)
ZZZZZZ	N0132379.D	08/30/24	10:40	03:44	(unrelated sample)
ZZZZZZ	N0132380.D	08/30/24	11:03	04:07	(unrelated sample)
ZZZZZZ	N0132381.D	08/30/24	11:26	04:30	(unrelated sample)
ZZZZZZ	N0132382.D	08/30/24	11:49	04:53	(unrelated sample)
ZZZZZZ	N0132383.D	08/30/24	12:13	05:17	(unrelated sample)
FC18340-8	N0132384.D	08/30/24	12:36	05:40	2434WOU2176D
FC18340-9	N0132385.D	08/30/24	12:59	06:03	2434W0BW169F
ZZZZZZ	N0132386.D	08/30/24	13:23	06:27	(unrelated sample)
ZZZZZZ	N0132387.D	08/30/24	13:46	06:50	(unrelated sample)
ZZZZZZ	N0132388.D	08/30/24	14:09	07:13	(unrelated sample)
ZZZZZZ	N0132389.D	08/30/24	14:33	07:37	(unrelated sample)
ZZZZZZ	N0132390.D	08/30/24	14:56	08:00	(unrelated sample)
ZZZZZZ	N0132391.D	08/30/24	15:19	08:23	(unrelated sample)
ZZZZZZ	N0132392.D	08/30/24	15:43	08:47	(unrelated sample)
ZZZZZZ	N0132393.D	08/30/24	16:06	09:10	(unrelated sample)
ZZZZZZ	N0132394.D	08/30/24	16:29	09:33	(unrelated sample)
FC18198-6MS	N0132395.D	08/30/24	16:53	09:57	Matrix Spike
FC18198-6MSD	N0132396.D	08/30/24	17:16	10:20	Matrix Spike Duplicate
VN6712-ECC6705	N0132397.D	08/30/24	17:39	10:43	Ending cal 5

Instrument Performance Check (BFB)

Job Number: FC18340
Account: AHTNACAS Ahtna Global, LLC
Project: Fort Ord Groundwater Monitoring

Sample: VZ3084-BFB	Injection Date: 08/28/24
Lab File ID: Z76601.D	Injection Time: 07:36
Instrument ID: GCMSZ	

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance	Pass/Fail
95	Base peak, 100% relative abundance	102783	100.0	Pass
96	5.0 - 9.0% of mass 95	7256	7.06	Pass
173	Less than 2.0% of mass 174	537	0.52 (0.64) ^a	Pass
174	50.0 - 200.0% of mass 95	84304	82.0	Pass
175	5.0 - 9.0% of mass 174	6173	6.01 (7.32) ^a	Pass
176	95.0 - 105.0% of mass 174	82709	80.5 (98.1) ^a	Pass
177	5.0 - 10.0% of mass 176	5685	5.53 (6.87) ^b	Pass

(a) Value is % of mass 174

(b) Value is % of mass 176

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

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
VZ3084-IC3084	Z76603.D	08/28/24	08:29	00:53	Initial cal 1
VZ3084-IC3084	Z76604.D	08/28/24	08:51	01:15	Initial cal 2
VZ3084-IC3084	Z76605.D	08/28/24	09:24	01:48	Initial cal 3
VZ3084-IC3084	Z76606.D	08/28/24	09:47	02:11	Initial cal 4
VZ3084-ICC3084	Z76607.D	08/28/24	10:10	02:34	Initial cal 5
VZ3084-IC3084	Z76608.D	08/28/24	10:33	02:57	Initial cal 6
VZ3084-IC3084	Z76609.D	08/28/24	10:57	03:21	Initial cal 7
VZ3084-ICV3084	Z76611.D	08/28/24	11:43	04:07	Initial cal verification 5

Instrument Performance Check (BFB)

Job Number: FC18340
Account: AHTNACAS Ahtna Global, LLC
Project: Fort Ord Groundwater Monitoring

Sample: VZ3086-BFB	Injection Date: 08/29/24
Lab File ID: Z76640.D	Injection Time: 06:55
Instrument ID: GCMSZ	

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance	Pass/Fail
95	Base peak, 100% relative abundance	146880	100.0	Pass
96	5.0 - 9.0% of mass 95	9902	6.74	Pass
173	Less than 2.0% of mass 174	715	0.49 (0.60) ^a	Pass
174	50.0 - 200.0% of mass 95	118525	80.7	Pass
175	5.0 - 9.0% of mass 174	8713	5.93 (7.35) ^a	Pass
176	95.0 - 105.0% of mass 174	115933	78.9 (97.8) ^a	Pass
177	5.0 - 10.0% of mass 176	7598	5.17 (6.55) ^b	Pass

(a) Value is % of mass 174

(b) Value is % of mass 176

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

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
VZ3086-CC3084	Z76641.D	08/29/24	07:23	00:28	Continuing cal 5
VZ3086-BS	Z76642.D	08/29/24	07:56	01:01	Blank Spike
VZ3086-MB	Z76644.D	08/29/24	08:57	02:02	Method Blank
ZZZZZZ	Z76645.D	08/29/24	09:32	02:37	(unrelated sample)
FC18340-1	Z76646.D	08/29/24	09:55	03:00	2434W0BW220A
FC18340-4	Z76647.D	08/29/24	10:18	03:23	2434W0BW203C
FC18339-9	Z76648.D	08/29/24	10:41	03:46	(used for QC only; not part of job FC18340)
ZZZZZZ	Z76649.D	08/29/24	11:04	04:09	(unrelated sample)
ZZZZZZ	Z76650.D	08/29/24	11:27	04:32	(unrelated sample)
ZZZZZZ	Z76651.D	08/29/24	11:50	04:55	(unrelated sample)
ZZZZZZ	Z76652.D	08/29/24	12:14	05:19	(unrelated sample)
ZZZZZZ	Z76653.D	08/29/24	12:37	05:42	(unrelated sample)
ZZZZZZ	Z76654.D	08/29/24	13:00	06:05	(unrelated sample)
ZZZZZZ	Z76655.D	08/29/24	13:23	06:28	(unrelated sample)
ZZZZZZ	Z76656.D	08/29/24	13:46	06:51	(unrelated sample)
ZZZZZZ	Z76657.D	08/29/24	14:09	07:14	(unrelated sample)
ZZZZZZ	Z76658.D	08/29/24	14:32	07:37	(unrelated sample)
ZZZZZZ	Z76659.D	08/29/24	14:55	08:00	(unrelated sample)
FC18340-2	Z76660.D	08/29/24	15:18	08:23	2434W0BW164F
FC18340-3	Z76661.D	08/29/24	15:41	08:46	2434W0BW163F
FC18340-5	Z76662.D	08/29/24	16:04	09:09	2434W0BW161F
FC18340-6	Z76663.D	08/29/24	16:27	09:32	2434WOU2144F
FC18340-7	Z76664.D	08/29/24	16:50	09:55	2434WOU2146F
FC18339-9MS	Z76665.D	08/29/24	17:13	10:18	Matrix Spike
FC18339-9MSD	Z76666.D	08/29/24	17:36	10:41	Matrix Spike Duplicate
VZ3086-ECC3084	Z76667.D	08/29/24	17:59	11:04	Ending cal 5

Internal Standard Area Summary

Job Number: FC18340
Account: AHTNACAS Ahtna Global, LLC
Project: Fort Ord Groundwater Monitoring

Check Std: VN6712-CC6705	Injection Date: 08/30/24
Lab File ID: N0132371.D	Injection Time: 07:22
Instrument ID: GCMSN	Method: SW846 8260D BY SIM

	IS 1 AREA	RT	IS 2 AREA	RT
Initial Cal ^a	57601	6.34	36791	9.51
Check Std ^b	66375	6.34	44473	9.51
Upper Limit ^c	132750	6.51	88946	9.68
Lower Limit ^d	33188	6.17	22237	9.34

Lab Sample ID	IS 1 AREA	RT	IS 2 AREA	RT
VN6712-BS	63875	6.34	41118	9.51
VN6712-MB	52090	6.34	33088	9.52
ZZZZZZ	54455	6.34	34817	9.52
ZZZZZZ	53012	6.34	34668	9.52
FC18198-6	52626	6.34	33811	9.52
ZZZZZZ	52597	6.34	33621	9.52
ZZZZZZ	52202	6.34	33442	9.52
ZZZZZZ	50630	6.34	32431	9.52
ZZZZZZ	50653	6.34	32324	9.52
ZZZZZZ	50987	6.34	32626	9.52
ZZZZZZ	50198	6.34	32053	9.52
FC18340-8	49847	6.34	32058	9.52
FC18340-9	50156	6.34	31790	9.52
ZZZZZZ	50657	6.34	31899	9.52
ZZZZZZ	48388	6.34	31010	9.52
ZZZZZZ	48986	6.34	31689	9.52
ZZZZZZ	49667	6.34	31527	9.52
ZZZZZZ	48621	6.34	31254	9.52
ZZZZZZ	49169	6.34	31569	9.52
ZZZZZZ	47842	6.34	30961	9.52
ZZZZZZ	48718	6.34	31220	9.52
ZZZZZZ	47690	6.34	30788	9.52
FC18198-6MS	55485	6.34	41165	9.52
FC18198-6MSD	58662	6.34	39184	9.51
VN6712-ECC670564811		6.34	44659	9.51

IS 1 = Fluorobenzene
IS 2 = Chlorobenzene-D5

- (a) Initial Cal is: VN6705-ICC6705 N0132202.D 08/20/24 11:04
- (b) Check Std Limit = -50 to + 100% of initial cal area.
- (c) Upper Limit = + 100% of check standard area; Retention time + 0.167 minutes.
- (d) Lower Limit = -50% of check standard area; Retention time -0.167 minutes.

6.5.1
6

Internal Standard Area Summary

Job Number: FC18340
Account: AHTNACAS Ahtna Global, LLC
Project: Fort Ord Groundwater Monitoring

Check Std: VZ3086-CC3084	Injection Date: 08/29/24
Lab File ID: Z76641.D	Injection Time: 07:23
Instrument ID: GCMSZ	Method: SW846 8260D BY SIM

	IS 1 AREA	RT	IS 2 AREA	RT
Initial Cal ^a	18387	7.89	18425	10.98
Check Std ^b	20891	7.89	21810	10.98
Upper Limit ^c	41782	8.06	43620	11.15
Lower Limit ^d	10446	7.72	10905	10.81

Lab Sample ID	IS 1 AREA	RT	IS 2 AREA	RT
VZ3086-BS	20763	7.89	22486	10.97
VZ3086-MB	21300	7.89	23710	10.98
ZZZZZZ	21214	7.89	23366	10.98
FC18340-1	21051	7.89	23301	10.98
FC18340-4	20645	7.89	23123	10.98
FC18339-9	21048	7.89	23479	10.98
ZZZZZZ	21065	7.89	23273	10.98
ZZZZZZ	21050	7.89	23341	10.98
ZZZZZZ	21642	7.89	23888	10.98
ZZZZZZ	21416	7.89	23658	10.98
ZZZZZZ	20699	7.89	23094	10.98
ZZZZZZ	20873	7.89	23194	10.98
ZZZZZZ	21059	7.89	23267	10.98
ZZZZZZ	21570	7.89	23760	10.98
ZZZZZZ	21132	7.89	23361	10.98
ZZZZZZ	21268	7.89	23826	10.98
ZZZZZZ	20991	7.89	23315	10.98
FC18340-2	20031	7.89	22238	10.98
FC18340-3	20702	7.89	23051	10.98
FC18340-5	20240	7.89	22649	10.98
FC18340-6	20872	7.89	23229	10.98
FC18340-7	20297	7.89	22765	10.98
FC18339-9MS	20832	7.89	23000	10.98
FC18339-9MSD	20923	7.89	22962	10.98
VZ3086-ECC308421801		7.89	23127	10.98

IS 1 = Fluorobenzene
IS 2 = Chlorobenzene-D5

- (a) Initial Cal is: VZ3084-ICC3084 Z76607.D 08/28/24 10:10
- (b) Check Std Limit = -50 to + 100% of initial cal area.
- (c) Upper Limit = + 100% of check standard area; Retention time + 0.167 minutes.
- (d) Lower Limit = -50% of check standard area; Retention time -0.167 minutes.

6.5.2
6

Surrogate Recovery Summary

Job Number: FC18340
Account: AHTNACAS Ahtna Global, LLC
Project: Fort Ord Groundwater Monitoring

Method: SW846 8260D BY SIM **Matrix:** AQ

Samples and QC shown here apply to the above method

Lab Sample ID	Lab File ID	S1	S2
FC18340-1	Z76646.D	106	97
FC18340-2	Z76660.D	107	97
FC18340-3	Z76661.D	109	97
FC18340-4	Z76647.D	109	96
FC18340-5	Z76662.D	109	97
FC18340-6	Z76663.D	107	97
FC18340-7	Z76664.D	110	97
FC18340-8	N0132384.D	110	103
FC18340-9	N0132385.D	111	106
FC18198-6MS	N0132395.D	106	90
FC18198-6MSD	N0132396.D	106	103
FC18339-9MS	Z76665.D	107	96
FC18339-9MSD	Z76666.D	108	97
VN6712-BS	N0132372.D	98	106
VN6712-MB	N0132374.D	105	107
VZ3086-BS	Z76642.D	103	97
VZ3086-MB	Z76644.D	107	96

Surrogate Compounds

Recovery Limits

S1 = 1,2-Dichloroethane-D4 74-125%
S2 = Toluene-D8 88-111%

6.6.1

6

Initial Calibration Summary

Job Number: FC18340
Account: AHTNACAS Ahtna Global, LLC
Project: Fort Ord Groundwater Monitoring

Sample: VN6705-ICC6705
Lab FileID: N0132202.D

Response Factor Report MSVOA6-N

Method : C:\msdchem\1\met..._VN6705_082024.M (RTE Integrator)
 Title : Standard Methods 6200B
 Last Update : Tue Aug 20 14:01:28 2024
 Response via : Initial Calibration

Calibration Files

1 =N0132207.D 2 =N0132208.D 3 =N0132200.D 4 =N0132201.D
 5 =N0132202.D 6 =N0132203.D 7 =N0132204.D

Compound	1	2	3	4	5	6	7	Avg	%RSD
1) I Fluorobenzene	-----ISTD-----								
2) Vinyl Chloride	0.524	0.203	0.123	0.115	0.109	0.111	0.105	0.184	83.41
	---- Linear regr., Force(0,0) ---- Coefficient = 0.9993								
	Response Ratio = 0.00000 + 0.11062 *A								
3) Chloromethane	0.373	0.193	0.164	0.149	0.144	0.136	0.193	46.88	
	---- Linear regr., Force(0,0) ---- Coefficient = 0.9990								
	Response Ratio = 0.00000 + 0.14771 *A								
4) 1,1-Dichloroethen	0.184	0.146	0.144	0.137	0.136	0.135	0.147	12.46	
5) Methylene Chlorid		0.280	0.215	0.185	0.172	0.165	0.204	23.15	
	---- Quadratic regr., Force(0,0) ---- Coefficient = 0.9927								
	Response Ratio = 0.00000 + 0.23670 *A + -0.01952 *A^2								
6) trans-1,2-Dichlor	0.152	0.118	0.119	0.116	0.116	0.116	0.123	11.71	
7) 1,1-Dichloroethan	0.199	0.168	0.165	0.156	0.152	0.149	0.165	11.13	
8) cis-1,2-Dichloroe	0.092	0.069	0.069	0.066	0.067	0.068	0.072	13.85	
9) Chloroform	0.311	0.197	0.172	0.154	0.149	0.145	0.188	33.73	
	---- Quadratic regr., Force(0,0) ---- Coefficient = 0.9968								
	Response Ratio = 0.00000 + 0.18931 *A + -0.01236 *A^2								
10) Carbon Tetrachlor	0.093	0.071	0.074	0.070	0.070	0.071	0.075	12.09	
11) 1,1,1-Trichloroet	0.133	0.104	0.104	0.099	0.100	0.099	0.106	12.29	
12) Benzene	0.338	0.258	0.259	0.249	0.249	0.250	0.267	13.14	
13)S 1,2-Dichloroethan	0.436	0.438	0.464	0.438	0.419	0.414	0.401	4.75	
14) 1,2-Dichloroethan	0.143	0.130	0.129	0.122	0.118	0.115	0.126	8.10	
15) Trichloroethene	0.097	0.070	0.071	0.070	0.071	0.071	0.075	13.97	
16) 1,2-Dichloropropa	0.104	0.083	0.083	0.080	0.078	0.078	0.084	11.71	
17) cis-1,3-Dichlorop	0.069	0.056	0.064	0.067	0.071	0.074	0.067	9.18	
18) I Chlorobenzene-d5	-----ISTD-----								
19)S Toluene-d8	1.165	1.153	1.086	1.012	1.108	1.106	1.095	1.104	4.51
20) trans-1,3-Dichlor	0.068	0.070	0.087	0.105	0.111	0.116	0.093	22.28	
	---- Quadratic regr., Force(0,0) ---- Coefficient = 0.9983								
	Response Ratio = 0.00000 + 0.07956 *A + 0.00965 *A^2								
21) Tetrachloroethene	0.141	0.110	0.106	0.109	0.106	0.104	0.113	12.56	
22) 1,4-Dichlorobenze	0.326	0.233	0.231	0.254	0.248	0.241	0.256	13.89	
23) 1,2-Dibromo-3-Chl	0.039	0.022	0.018	0.021	0.021	0.021	0.024	31.24	
	---- Linear regr., Force(0,0) ---- Coefficient = 0.9956								
	Response Ratio = 0.00000 + 0.02093 *A								

(#) = Out of Range

Initial Calibration Verification

Job Number: FC18340
 Account: AHTNACAS Ahtna Global, LLC
 Project: Fort Ord Groundwater Monitoring

Sample: VN6705-ICV6705
 Lab FileID: N0132209.D

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\data\08-20-24\N0132209.D Vial: 13
 Acq On : 20 Aug 2024 1:52 pm Operator: jeniferw
 Sample : ICV6705-5 Inst : MSVOA6-N
 Misc : MS57318,VN6705,,,,, Multiplr: 1.00
 MS Integration Params: rteint.p

Method : C:\msdchem\1\met..._VN6705_082024.M (RTE Integrator)
 Title : Standard Methods 6200B
 Last Update : Tue Aug 20 14:01:28 2024
 Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1 I	Fluorobenzene	1.000	1.000	0.0	106	0.00	6.34
	----- Amount	Calc.	%Drift	-----			
2	Vinyl Chloride	10.000	8.338	16.6	89	0.00	2.06
3	Chloromethane	10.000	8.095	19.0	85	0.00	1.98
	----- AvgRF	CCRF	%Dev	-----			
4	1,1-Dichloroethene	0.147	0.153	-4.1	117	0.00	3.15
	----- Amount	Calc.	%Drift	-----			
5	Methylene Chloride	10.000	10.751	-7.5	120	0.00	3.71
	----- AvgRF	CCRF	%Dev	-----			
6	trans-1,2-Dichloroethene	0.123	0.132	-7.3	121	0.00	3.88
7	1,1-Dichloroethane	0.165	0.173	-4.8	118	0.00	4.49
8	cis-1,2-Dichloroethene	0.072	0.076	-5.6	120	0.00	5.04
	----- Amount	Calc.	%Drift	-----			
9	Chloroform	10.000	10.626	-6.3	119	0.00	5.30
	----- AvgRF	CCRF	%Dev	-----			
10	Carbon Tetrachloride	0.075	0.080	-6.7	121	0.00	5.47
11	1,1,1-Trichloroethane	0.106	0.116	-9.4	124	0.00	5.53
12	Benzene	0.267	0.286	-7.1	121	0.00	5.91
13 S	1,2-Dichloroethane-d4	0.430	0.408	5.1	103	0.00	6.04
14	1,2-Dichloroethane	0.126	0.139	-10.3	120	0.00	6.12
15	Trichloroethene	0.075	0.082	-9.3	124	0.00	6.53
16	1,2-Dichloropropane	0.084	0.091	-8.3	121	0.00	7.05
17	cis-1,3-Dichloropropene	0.067	0.076	-13.4	120	0.00	7.77
18 I	Chlorobenzene-d5	1.000	1.000	0.0	105	0.00	9.52
19 S	Toluene-d8	1.104	1.144	-3.6	108	0.00	7.95
	----- Amount	Calc.	%Drift	-----			
20	trans-1,3-Dichloropropene	10.000	10.987	-9.9	110	0.00	8.42
	----- AvgRF	CCRF	%Dev	-----			
21	Tetrachloroethene	0.113	0.131	-15.9	126	0.00	8.41
22	1,4-Dichlorobenzene	0.256	0.290	-13.3	119	0.00	11.91
	----- Amount	Calc.	%Drift	-----			
23	1,2-Dibromo-3-Chloropropa	10.000	10.883	-8.8	111	0.00	13.18

Initial Calibration Verification

Job Number: FC18340
Account: AHTNACAS Ahtna Global, LLC
Project: Fort Ord Groundwater Monitoring

Sample: VN6705-ICV6705
Lab FileID: N0132209.D

(#) = Out of Range SPCC's out = 0 CCC's out = 0
N0132202.D SIMCL_VN6705_082024.M Tue Aug 20 14:16:10 2024

6.7.2
6

Continuing Calibration Summary

Job Number: FC18340
 Account: AHTNACAS Ahtna Global, LLC
 Project: Fort Ord Groundwater Monitoring

Sample: VN6712-CC6705
 Lab FileID: N0132371.D

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\data\08-30-24\N0132371.D Vial: 2
 Acq On : 30 Aug 2024 7:22 am Operator: jeniferw
 Sample : CC6705-5 Inst : MSVOA6-N
 Misc : MS57382,VN6712,,,,, Multiplr: 1.00
 MS Integration Params: rteint.p

Method : C:\msdchem\1\met..._VN6705_082024.M (RTE Integrator)
 Title : Standard Methods 6200B
 Last Update : Tue Aug 20 14:01:28 2024
 Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 50% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1 I	Fluorobenzene	1.000	1.000	0.0	115	0.00	6.34
	----- Amount	Calc.	%Drift	-----			
2	Vinyl Chloride	10.000	11.717	-17.2	137	0.00	2.06
3	Chloromethane	10.000	11.120	-11.2	127	0.00	1.98
	----- AvgRF	CCRF	%Dev	-----			
4	1,1-Dichloroethene	0.147	0.133	9.5	111	0.00	3.15
	----- Amount	Calc.	%Drift	-----			
5	Methylene Chloride	10.000	11.554	-15.5	138	0.00	3.71
	----- AvgRF	CCRF	%Dev	-----			
6	trans-1,2-Dichloroethene	0.123	0.120	2.4	119	0.00	3.88
7	1,1-Dichloroethane	0.165	0.162	1.8	120	0.00	4.49
8	cis-1,2-Dichloroethene	0.072	0.073	-1.4	127	0.00	5.04
	----- Amount	Calc.	%Drift	-----			
9	Chloroform	10.000	9.801	2.0	121	0.00	5.30
	----- AvgRF	CCRF	%Dev	-----			
10	Carbon Tetrachloride	0.075	0.065	13.3	107	0.00	5.47
11	1,1,1-Trichloroethane	0.106	0.100	5.7	116	0.00	5.53
12	Benzene	0.267	0.263	1.5	121	0.00	5.91
13 S	1,2-Dichloroethane-d4	0.430	0.420	2.3	116	0.00	6.04
14	1,2-Dichloroethane	0.126	0.124	1.6	116	0.00	6.12
15	Trichloroethene	0.075	0.073	2.7	119	0.00	6.53
16	1,2-Dichloropropane	0.084	0.081	3.6	117	0.00	7.05
17	cis-1,3-Dichloropropene	0.067	0.069	-3.0	118	0.00	7.76
18 I	Chlorobenzene-d5	1.000	1.000	0.0	121	0.00	9.51
19 S	Toluene-d8	1.104	1.112	-0.7	121	0.00	7.94
	----- Amount	Calc.	%Drift	-----			
20	trans-1,3-Dichloropropene	10.000	10.250	-2.5	117	0.00	8.42
	----- AvgRF	CCRF	%Dev	-----			
21	Tetrachloroethene	0.113	0.111	1.8	123	0.00	8.41
22	1,4-Dichlorobenzene	0.256	0.230	10.2	109	0.00	11.91
	----- Amount	Calc.	%Drift	-----			
23	1,2-Dibromo-3-Chloropropa	10.000	4.367	56.3#	51	0.00	13.18

Continuing Calibration Summary

Job Number: FC18340
Account: AHTNACAS Ahtna Global, LLC
Project: Fort Ord Groundwater Monitoring

Sample: VN6712-CC6705
Lab FileID: N0132371.D

(#) = Out of Range SPCC's out = 0 CCC's out = 0
N0132202.D SIMCL_VN6705_082024.M Fri Aug 30 08:05:02 2024

6.7.3

6

Continuing Calibration Summary

Job Number: FC18340
 Account: AHTNACAS Ahtna Global, LLC
 Project: Fort Ord Groundwater Monitoring

Sample: VN6712-ECC6705
 Lab FileID: N0132397.D

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\data\08-30-24\N0132397.D Vial: 28
 Acq On : 30 Aug 2024 5:39 pm Operator: jeniferw
 Sample : ECC6705-5 Inst : MSVOA6-N
 Misc : MS57392,VN6712,,,,, Multiplr: 1.00
 MS Integration Params: rteint.p

Method : C:\msdchem\1\met..._VN6705_082024.M (RTE Integrator)
 Title : Standard Methods 6200B
 Last Update : Tue Aug 20 14:01:28 2024
 Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 50% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1 I	Fluorobenzene	1.000	1.000	0.0	113	0.00	6.34
	----- Amount	Calc.	%Drift	-----			
2	Vinyl Chloride	10.000	12.990	-29.9	148	0.00	2.06
3	Chloromethane	10.000	12.155	-21.5	135	0.00	1.98
	----- AvgRF	CCRF	%Dev	-----			
4	1,1-Dichloroethene	0.147	0.144	2.0	118	0.00	3.15
	----- Amount	Calc.	%Drift	-----			
5	Methylene Chloride	10.000	22.103	-121.0#	202	0.00	3.72
	----- AvgRF	CCRF	%Dev	-----			
6	trans-1,2-Dichloroethene	0.123	0.125	-1.6	122	0.00	3.89
7	1,1-Dichloroethane	0.165	0.170	-3.0	123	0.00	4.49
8	cis-1,2-Dichloroethene	0.072	0.073	-1.4	124	0.00	5.04
	----- Amount	Calc.	%Drift	-----			
9	Chloroform	10.000	10.175	-1.8	122	0.00	5.30
	----- AvgRF	CCRF	%Dev	-----			
10	Carbon Tetrachloride	0.075	0.069	8.0	111	0.00	5.47
11	1,1,1-Trichloroethane	0.106	0.106	0.0	120	0.00	5.53
12	Benzene	0.267	0.276	-3.4	125	0.00	5.91
13 S	1,2-Dichloroethane-d4	0.430	0.443	-3.0	119	0.00	6.04
14	1,2-Dichloroethane	0.126	0.133	-5.6	122	0.00	6.12
15	Trichloroethene	0.075	0.076	-1.3	122	0.00	6.53
16	1,2-Dichloropropane	0.084	0.085	-1.2	120	0.00	7.05
17	cis-1,3-Dichloropropene	0.067	0.071	-6.0	119	0.00	7.77
18 I	Chlorobenzene-d5	1.000	1.000	0.0	121	0.00	9.51
19 S	Toluene-d8	1.104	1.084	1.8	119	0.00	7.95
	----- Amount	Calc.	%Drift	-----			
20	trans-1,3-Dichloropropene	10.000	10.285	-2.9	118	0.00	8.42
	----- AvgRF	CCRF	%Dev	-----			
21	Tetrachloroethene	0.113	0.114	-0.9	127	0.00	8.41
22	1,4-Dichlorobenzene	0.256	0.253	1.2	121	0.00	11.91
	----- Amount	Calc.	%Drift	-----			
23	1,2-Dibromo-3-Chloropropa	10.000	6.263	37.4	74	0.00	13.18

Continuing Calibration Summary

Job Number: FC18340
 Account: AHTNACAS Ahtna Global, LLC
 Project: Fort Ord Groundwater Monitoring

Sample: VN6712-ECC6705
 Lab FileID: N0132397.D

(#) = Out of Range SPCC's out = 0 CCC's out = 0
 N0132202.D SIMCL_VN6705_082024.M Tue Sep 03 10:15:22 2024

6.7.4
 6

Initial Calibration Summary

Job Number: FC18340
Account: AHTNACAS Ahtna Global, LLC
Project: Fort Ord Groundwater Monitoring

Sample: VZ3084-ICC3084
Lab FileID: Z76607.D

Response Factor Report MSVOA15-Z

Method : C:\msdchem\1\met...MCL-08-28-2024.M (RTE Integrator)
 Title : Standard Methods 6200B
 Last Update : Wed Aug 28 11:30:23 2024
 Response via : Initial Calibration

Calibration Files

1 =Z76603.D 2 =Z76604.D 3 =Z76605.D 4 =Z76606.D
 5 =Z76607.D 6 =Z76608.D 7 =Z76609.D

Compound	1	2	3	4	5	6	7	Avg	%RSD
1) I Fluorobenzene									
-----ISTD-----									
2) Vinyl Chloride	3.087	1.012	0.556	0.503	0.479	0.452	0.435	0.932	104.18
	---- Quadratic regr., Force(0,0) ---- Coefficient = 0.9993								
	Response Ratio = 0.00000 + 0.52615 *A + -0.02329 *A^2								
3) Chloromethane	2.523	0.959	0.605	0.563	0.550	0.521	0.500	0.889	83.00
	---- Quadratic regr., Force(0,0) ---- Coefficient = 0.9996								
	Response Ratio = 0.00000 + 0.59622 *A + -0.02423 *A^2								
4) 1,1-Dichloroethen	0.877	0.664	0.596	0.575	0.527	0.520	0.480	0.605	22.10
	---- Quadratic regr., Force(0,0) ---- Coefficient = 0.9995								
	Response Ratio = 0.00000 + 0.59770 *A + -0.02887 *A^2								
5) Methylene Chlorid	8.589	2.190	1.016	0.727	0.601	0.557	0.499	2.026	145.79
	---- Quadratic regr., Force(0,0) ---- Coefficient = 0.9956								
	Response Ratio = 0.00000 + 0.77053 *A + -0.06924 *A^2								
6) trans-1,2-Dichlor	0.751	0.607	0.568	0.547	0.508	0.507	0.469	0.565	16.55
	---- Quadratic regr., Force(0,0) ---- Coefficient = 0.9994								
	Response Ratio = 0.00000 + 0.56981 *A + -0.02450 *A^2								
7) 1,1-Dichloroethan	0.926	0.787	0.739	0.727	0.669	0.668	0.620	0.734	13.79
	---- Linear regr., Force(0,0) ---- Coefficient = 0.9968								
	Response Ratio = 0.00000 + 0.64509 *A								
8) cis-1,2-Dichloroe	0.659	0.467	0.453	0.442	0.411	0.412	0.382	0.461	19.94
	---- Quadratic regression ---- Coefficient = 0.9994								
	Response Ratio = 0.00106 + 0.45841 *A + -0.01862 *A^2								
9) Chloroform	1.108	0.825	1.049	0.868	0.757	0.739	0.679	0.861	18.78
	---- Quadratic regr., Force(0,0) ---- Coefficient = 0.9987								
	Response Ratio = 0.00000 + 0.89510 *A + -0.05419 *A^2								
10) Carbon Tetrachlor	0.917	0.701	0.694	0.622	0.554	0.546	0.503	0.648	21.66
	---- Quadratic regr., Force(0,0) ---- Coefficient = 0.9992								
	Response Ratio = 0.00000 + 0.66516 *A + -0.04150 *A^2								
11) 1,1,1-Trichloroet	1.142	0.759	0.771	0.707	0.620	0.626	0.579	0.743	25.57
	---- Quadratic regr., Force(0,0) ---- Coefficient = 0.9989								
	Response Ratio = 0.00000 + 0.71523 *A + -0.03354 *A^2								
12) Benzene	1.880	1.455	1.405	1.398	1.334	1.377	1.298	1.449	13.57
13)S 1,2-Dichloroethan	0.301	0.312	0.326	0.310	0.295	0.291	0.286	0.303	4.61
14) 1,2-Dichloroethan	0.711	0.552	0.544	0.540	0.497	0.498	0.462	0.543	14.82
	---- Quadratic regr., Force(0,0) ---- Coefficient = 0.9994								
	Response Ratio = 0.00000 + 0.55725 *A + -0.02314 *A^2								

6.7.5
6

Initial Calibration Summary

Job Number: FC18340
Account: AHTNACAS Ahtna Global, LLC
Project: Fort Ord Groundwater Monitoring

Sample: VZ3084-ICC3084
Lab FileID: Z76607.D

- 15) Trichloroethene 0.554 0.401 0.391 0.387 0.373 0.386 0.362 0.408 16.13
---- Quadratic regr., Force(0,0) ---- Coefficient = 0.9990
Response Ratio = 0.00000 + 0.40128 *A + -0.00897 *A^2

- 16) 1,2-Dichloropropa 0.511 0.390 0.383 0.391 0.371 0.381 0.355 0.397 12.96
- 17) cis-1,3-Dichlorop 0.837 0.597 0.596 0.606 0.584 0.605 0.566 0.627 14.91
---- Quadratic regr., Force(0,0) ---- Coefficient = 0.9990
Response Ratio = 0.00000 + 0.62772 *A + -0.01386 *A^2

- 18) I Chlorobenzene-d5 -----ISTD-----
- 19)S Toluene-d8 1.128 1.121 1.112 1.104 1.113 1.112 1.116 1.115 0.68
- 20) trans-1,3-Dichlor 0.802 0.511 0.514 0.521 0.525 0.563 0.536 0.567 18.51
---- Quadratic regr., Force(0,0) ---- Coefficient = 0.9986
Response Ratio = 0.00000 + 0.53685 *A + 0.00156 *A^2

- 21) Tetrachloroethene 0.673 0.431 0.384 0.373 0.362 0.375 0.356 0.422 26.88
---- Quadratic regr., Force(0,0) ---- Coefficient = 0.9992
Response Ratio = 0.00000 + 0.38455 *A + -0.00653 *A^2

- 22) 1,4-Dichlorobenze 1.466 0.855 0.839 0.874 0.856 0.886 0.827 0.943 24.54
---- Linear regr., Force(0,0) ---- Coefficient = 0.9981
Response Ratio = 0.00000 + 0.85017 *A

- 23) 1,2-Dibromo-3-Chl 0.276 0.129 0.115 0.118 0.109 0.111 0.104 0.137 44.85
---- Quadratic regr., Force(0,0) ---- Coefficient = 0.9993
Response Ratio = 0.00000 + 0.11991 *A + -0.00370 *A^2

(#) = Out of Range

SIMCL-08-28-2024.M

Wed Aug 28 12:39:52 2024

Initial Calibration Verification

Job Number: FC18340
Account: AHTNACAS Ahtna Global, LLC
Project: Fort Ord Groundwater Monitoring

Sample: VZ3084-ICV3084
Lab FileID: Z76611.D

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\data\082824\Z76611.D
 Acq On : 28 Aug 2024 11:43 am
 Sample : icv3084-5
 Misc : MS57344,VZ3084,,,,,
 MS Integration Params: micro.p
 Vial: 11
 Operator: claudias
 Inst : MSVOA15-Z
 Multiplr: 1.00

Method : C:\msdchem\1\met...MCL-08-28-2024.M (RTE Integrator)
 Title : Standard Methods 6200B
 Last Update : Wed Aug 28 11:30:23 2024
 Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 200%

Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1 I Fluorobenzene	1.000	1.000	0.0	104	0.00	7.89
----- Amount Calc. %Drift -----						
2 Vinyl Chloride	10.000	8.263	17.4	88	0.00	3.19
3 Chloromethane	10.000	8.151	18.5	86	0.00	3.13
4 1,1-Dichloroethene	10.000	10.149	-1.5	109	0.00	4.57
5 Methylene Chloride	10.000	10.019	-0.2	110	0.00	5.21
6 trans-1,2-Dichloroethene	10.000	10.428	-4.3	111	0.00	5.39
7 1,1-Dichloroethane	10.000	10.758	-7.6	108	0.00	6.06
8 cis-1,2-Dichloroethene	10.000	10.302	-3.0	110	0.00	6.62
9 Chloroform	10.000	9.932	0.7	108	0.00	6.88
10 Carbon Tetrachloride	10.000	9.924	0.8	109	0.00	7.05
11 1,1,1-Trichloroethane	10.000	10.210	-2.1	111	0.00	7.13
----- AvgRF CCRF %Dev -----						
12 Benzene	1.449	1.430	1.3	112	0.00	7.49
13 S 1,2-Dichloroethane-d4	0.303	0.292	3.6	103	0.00	7.63
----- Amount Calc. %Drift -----						
14 1,2-Dichloroethane	10.000	10.396	-4.0	111	0.00	7.70
15 Trichloroethene	10.000	10.628	-6.3	114	0.00	8.06
----- AvgRF CCRF %Dev -----						
16 1,2-Dichloropropane	0.397	0.400	-0.8	113	0.00	8.59
----- Amount Calc. %Drift -----						
17 cis-1,3-Dichloropropene	10.000	10.097	-1.0	108	0.00	9.24
----- AvgRF CCRF %Dev -----						
18 I Chlorobenzene-d5	1.000	1.000	0.0	104	0.00	10.98
19 S Toluene-d8	1.115	1.111	0.4	103	0.00	9.43
----- Amount Calc. %Drift -----						
20 trans-1,3-Dichloropropene	10.000	9.423	5.8	101	0.00	9.87
21 Tetrachloroethene	10.000	10.507	-5.1	112	0.00	9.87
22 1,4-Dichlorobenzene	10.000	10.637	-6.4	110	0.00	13.35
23 1,2-Dibromo-3-Chloropropa	10.000	10.154	-1.5	108	0.00	14.52

(#) = Out of Range

SPCC's out = 0 CCC's out = 0



Initial Calibration Verification

Job Number: FC18340
Account: AHTNACAS Ahtna Global, LLC
Project: Fort Ord Groundwater Monitoring

Sample: VZ3084-ICV3084
Lab FileID: Z76611.D

Z76607.D SIMCL-08-28-2024.M

Wed Aug 28 12:39:18 2024

Continuing Calibration Summary

Job Number: FC18340
 Account: AHTNACAS Ahtna Global, LLC
 Project: Fort Ord Groundwater Monitoring

Sample: VZ3086-CC3084
 Lab FileID: Z76641.D

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\data\082924\Z76641.D Vial: 2
 Acq On : 29 Aug 2024 7:23 am Operator: claudias
 Sample : cc3084-5 Inst : MSVOA15-Z
 Misc : MS57380,VZ3086,,,,, Multiplr: 1.00
 MS Integration Params: micro.p

Method : C:\msdchem\1\met...MCL-08-28-2024.M (RTE Integrator)
 Title : Standard Methods 6200B
 Last Update : Wed Aug 28 11:30:23 2024
 Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1 I	Fluorobenzene	1.000	1.000	0.0	114	0.00	7.89
	----- Amount	Calc.	%Drift	-----			
2	Vinyl Chloride	10.000	10.591	-5.9	120	0.00	3.19
3	Chloromethane	10.000	10.793	-7.9	121	0.00	3.13
4	1,1-Dichloroethene	10.000	10.822	-8.2	125	0.00	4.56
5	Methylene Chloride	10.000	11.115	-11.2	130	0.00	5.21
6	trans-1,2-Dichloroethene	10.000	10.792	-7.9	125	0.00	5.38
7	1,1-Dichloroethane	10.000	11.265	-12.7	123	0.00	6.06
8	cis-1,2-Dichloroethene	10.000	10.440	-4.4	121	0.00	6.62
9	Chloroform	10.000	9.861	1.4	117	0.00	6.88
10	Carbon Tetrachloride	10.000	9.696	3.0	116	0.00	7.05
11	1,1,1-Trichloroethane	10.000	10.293	-2.9	122	0.00	7.12
	----- AvgRF	CCRF	%Dev	-----			
12	Benzene	1.449	1.433	1.1	122	0.00	7.49
13 S	1,2-Dichloroethane-d4	0.303	0.300	1.0	116	0.00	7.62
	----- Amount	Calc.	%Drift	-----			
14	1,2-Dichloroethane	10.000	10.283	-2.8	120	0.00	7.69
15	Trichloroethene	10.000	10.194	-1.9	119	0.00	8.06
	----- AvgRF	CCRF	%Dev	-----			
16	1,2-Dichloropropane	0.397	0.395	0.5	121	0.00	8.58
	----- Amount	Calc.	%Drift	-----			
17	cis-1,3-Dichloropropene	10.000	10.124	-1.2	118	0.00	9.24
	----- AvgRF	CCRF	%Dev	-----			
18 I	Chlorobenzene-d5	1.000	1.000	0.0	118	0.00	10.98
19 S	Toluene-d8	1.115	1.085	2.7	115	0.00	9.43
	----- Amount	Calc.	%Drift	-----			
20	trans-1,3-Dichloropropene	10.000	9.656	3.4	118	0.00	9.87
21	Tetrachloroethene	10.000	9.799	2.0	119	0.00	9.87
22	1,4-Dichlorobenzene	10.000	10.034	-0.3	118	0.00	13.35
23	1,2-Dibromo-3-Chloropropa	10.000	9.309	6.9	114	0.00	14.52

(#) = Out of Range

SPCC's out = 0 CCC's out = 0

Continuing Calibration Summary

Job Number: FC18340
Account: AHTNACAS Ahtna Global, LLC
Project: Fort Ord Groundwater Monitoring

Sample: VZ3086-CC3084
Lab FileID: Z76641.D

Z76607.D SIMCL-08-28-2024.M

Thu Aug 29 08:58:15 2024

Continuing Calibration Summary

Job Number: FC18340
Account: AHTNACAS Ahtna Global, LLC
Project: Fort Ord Groundwater Monitoring

Sample: VZ3086-ECC3084
Lab FileID: Z76667.D

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\data\082924\Z76667.D
 Acq On : 29 Aug 2024 5:59 pm
 Sample : ECC3084-5
 Misc : MS57383,VZ3086,,,,,
 MS Integration Params: micro.p
 Vial: 28
 Operator: claudias
 Inst : MSVOA15-Z
 Multiplr: 1.00

Method : C:\msdchem\1\met...MCL-08-28-2024.M (RTE Integrator)
 Title : Standard Methods 6200B
 Last Update : Wed Aug 28 11:30:23 2024
 Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 50% Max. Rel. Area : 200%

Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1 I Fluorobenzene	1.000	1.000	0.0	119	0.00	7.89
----- Amount Calc. %Drift -----						
2 Vinyl Chloride	10.000	10.559	-5.6	125	0.00	3.19
3 Chloromethane	10.000	11.133	-11.3	130	0.00	3.13
4 1,1-Dichloroethene	10.000	10.367	-3.7	126	0.00	4.57
5 Methylene Chloride	10.000	11.043	-10.4	135	0.00	5.21
6 trans-1,2-Dichloroethene	10.000	10.316	-3.2	125	0.00	5.39
7 1,1-Dichloroethane	10.000	11.061	-10.6	126	0.00	6.06
8 cis-1,2-Dichloroethene	10.000	9.962	0.4	121	0.00	6.62
9 Chloroform	10.000	9.443	5.6	117	0.00	6.88
10 Carbon Tetrachloride	10.000	8.762	12.4	111	0.00	7.06
11 1,1,1-Trichloroethane	10.000	9.620	3.8	120	0.00	7.13
----- AvgRF CCRF %Dev -----						
12 Benzene	1.449	1.409	2.8	125	0.00	7.49
13 S 1,2-Dichloroethane-d4	0.303	0.317	-4.6	127	0.00	7.63
----- Amount Calc. %Drift -----						
14 1,2-Dichloroethane	10.000	10.373	-3.7	126	0.00	7.70
15 Trichloroethene	10.000	9.694	3.1	118	0.00	8.06
----- AvgRF CCRF %Dev -----						
16 1,2-Dichloropropane	0.397	0.395	0.5	126	0.00	8.59
----- Amount Calc. %Drift -----						
17 cis-1,3-Dichloropropene	10.000	9.594	4.1	117	0.00	9.25
----- AvgRF CCRF %Dev -----						
18 I Chlorobenzene-d5	1.000	1.000	0.0	126	0.00	10.98
19 S Toluene-d8	1.115	1.079	3.2	122	0.00	9.43
----- Amount Calc. %Drift -----						
20 trans-1,3-Dichloropropene	10.000	9.001	10.0	116	0.00	9.87
21 Tetrachloroethene	10.000	8.679	13.2	112	0.00	9.87
22 1,4-Dichlorobenzene	10.000	9.212	7.9	115	0.00	13.35
23 1,2-Dibromo-3-Chloropropa	10.000	8.874	11.3	115	0.00	14.52

(#) = Out of Range

SPCC's out = 0 CCC's out = 0



Continuing Calibration Summary

Job Number: FC18340
Account: AHTNACAS Ahtna Global, LLC
Project: Fort Ord Groundwater Monitoring

Sample: VZ3086-ECC3084
Lab FileID: Z76667.D

Z76607.D SIMCL-08-28-2024.M

Fri Aug 30 09:10:54 2024

Run Sequence Report

Job Number: FC18340
Account: AHTNACAS Ahtna Global, LLC
Project: Fort Ord Groundwater Monitoring

Run ID: VN6705	Method: SW846 8260D BY SIM	Instrument ID: GCMSN
-----------------------	-----------------------------------	-----------------------------

Lab Sample ID	Lab File ID	Date/Time Analyzed	Prep QC Batch	Client Sample ID
VN6705-BFB	N0132197.D	08/20/24 09:04	n/a	BFB Tune
VN6705-IC6705	N0132200.D	08/20/24 10:17	n/a	Initial cal 3
VN6705-IC6705	N0132201.D	08/20/24 10:41	n/a	Initial cal 4
VN6705-ICC6705	N0132202.D	08/20/24 11:04	n/a	Initial cal 5
VN6705-IC6705	N0132203.D	08/20/24 11:28	n/a	Initial cal 6
VN6705-IC6705	N0132204.D	08/20/24 11:51	n/a	Initial cal 7
VN6705-IC6705	N0132207.D	08/20/24 13:05	n/a	Initial cal 1
VN6705-IC6705	N0132208.D	08/20/24 13:28	n/a	Initial cal 2
VN6705-ICV6705	N0132209.D	08/20/24 13:52	n/a	Initial cal verification 5

Run Sequence Report

Job Number: FC18340
Account: AHTNACAS Ahtna Global, LLC
Project: Fort Ord Groundwater Monitoring

Run ID: VN6712 **Method:** SW846 8260D BY SIM **Instrument ID:** GCMSN

Lab Sample ID	Lab File ID	Date/Time Analyzed	Prep QC Batch	Client Sample ID
VN6712-BFB	N0132370.D	08/30/24 06:56	n/a	BFB Tune
VN6712-CC6705	N0132371.D	08/30/24 07:22	n/a	Continuing cal 5
VN6712-BS	N0132372.D	08/30/24 07:47	n/a	Blank Spike
VN6712-MB	N0132374.D	08/30/24 08:33	n/a	Method Blank
ZZZZZZ	N0132375.D	08/30/24 09:06	n/a	(unrelated sample)
ZZZZZZ	N0132376.D	08/30/24 09:30	n/a	(unrelated sample)
FC18198-6	N0132377.D	08/30/24 09:53	n/a	(used for QC only; not part of job FC18340)
ZZZZZZ	N0132378.D	08/30/24 10:16	n/a	(unrelated sample)
ZZZZZZ	N0132379.D	08/30/24 10:40	n/a	(unrelated sample)
ZZZZZZ	N0132380.D	08/30/24 11:03	n/a	(unrelated sample)
ZZZZZZ	N0132381.D	08/30/24 11:26	n/a	(unrelated sample)
ZZZZZZ	N0132382.D	08/30/24 11:49	n/a	(unrelated sample)
ZZZZZZ	N0132383.D	08/30/24 12:13	n/a	(unrelated sample)
FC18340-8	N0132384.D	08/30/24 12:36	n/a	2434WOU2176D
FC18340-9	N0132385.D	08/30/24 12:59	n/a	2434W0BW169F
ZZZZZZ	N0132386.D	08/30/24 13:23	n/a	(unrelated sample)
ZZZZZZ	N0132387.D	08/30/24 13:46	n/a	(unrelated sample)
ZZZZZZ	N0132388.D	08/30/24 14:09	n/a	(unrelated sample)
ZZZZZZ	N0132389.D	08/30/24 14:33	n/a	(unrelated sample)
ZZZZZZ	N0132390.D	08/30/24 14:56	n/a	(unrelated sample)
ZZZZZZ	N0132391.D	08/30/24 15:19	n/a	(unrelated sample)
ZZZZZZ	N0132392.D	08/30/24 15:43	n/a	(unrelated sample)
ZZZZZZ	N0132393.D	08/30/24 16:06	n/a	(unrelated sample)
ZZZZZZ	N0132394.D	08/30/24 16:29	n/a	(unrelated sample)
FC18198-6MS	N0132395.D	08/30/24 16:53	n/a	Matrix Spike
FC18198-6MSD	N0132396.D	08/30/24 17:16	n/a	Matrix Spike Duplicate
VN6712-ECC6705	N0132397.D	08/30/24 17:39	n/a	Ending cal 5

Run Sequence Report

Job Number: FC18340
Account: AHTNACAS Ahtna Global, LLC
Project: Fort Ord Groundwater Monitoring

Run ID: VZ3084	Method: SW846 8260D BY SIM	Instrument ID: GCMSZ
-----------------------	-----------------------------------	-----------------------------

Lab Sample ID	Lab File ID	Date/Time Analyzed	Prep QC Batch	Client Sample ID
VZ3084-BFB	Z76601.D	08/28/24 07:36	n/a	BFB Tune
VZ3084-IC3084	Z76603.D	08/28/24 08:29	n/a	Initial cal 1
VZ3084-IC3084	Z76604.D	08/28/24 08:51	n/a	Initial cal 2
VZ3084-IC3084	Z76605.D	08/28/24 09:24	n/a	Initial cal 3
VZ3084-IC3084	Z76606.D	08/28/24 09:47	n/a	Initial cal 4
VZ3084-ICC3084	Z76607.D	08/28/24 10:10	n/a	Initial cal 5
VZ3084-IC3084	Z76608.D	08/28/24 10:33	n/a	Initial cal 6
VZ3084-IC3084	Z76609.D	08/28/24 10:57	n/a	Initial cal 7
VZ3084-ICV3084	Z76611.D	08/28/24 11:43	n/a	Initial cal verification 5

Run Sequence Report

Job Number: FC18340
Account: AHTNACAS Ahtna Global, LLC
Project: Fort Ord Groundwater Monitoring

Run ID: VZ3086	Method: SW846 8260D BY SIM	Instrument ID: GCMSZ
-----------------------	-----------------------------------	-----------------------------

Lab Sample ID	Lab File ID	Date/Time Analyzed	Prep QC Batch	Client Sample ID
VZ3086-BFB	Z76640.D	08/29/24 06:55	n/a	BFB Tune
VZ3086-CC3084	Z76641.D	08/29/24 07:23	n/a	Continuing cal 5
VZ3086-BS	Z76642.D	08/29/24 07:56	n/a	Blank Spike
VZ3086-MB	Z76644.D	08/29/24 08:57	n/a	Method Blank
ZZZZZZ	Z76645.D	08/29/24 09:32	n/a	(unrelated sample)
FC18340-1	Z76646.D	08/29/24 09:55	n/a	2434W0BW220A
FC18340-4	Z76647.D	08/29/24 10:18	n/a	2434W0BW203C
FC18339-9	Z76648.D	08/29/24 10:41	n/a	(used for QC only; not part of job FC18340)
ZZZZZZ	Z76649.D	08/29/24 11:04	n/a	(unrelated sample)
ZZZZZZ	Z76650.D	08/29/24 11:27	n/a	(unrelated sample)
ZZZZZZ	Z76651.D	08/29/24 11:50	n/a	(unrelated sample)
ZZZZZZ	Z76652.D	08/29/24 12:14	n/a	(unrelated sample)
ZZZZZZ	Z76653.D	08/29/24 12:37	n/a	(unrelated sample)
ZZZZZZ	Z76654.D	08/29/24 13:00	n/a	(unrelated sample)
ZZZZZZ	Z76655.D	08/29/24 13:23	n/a	(unrelated sample)
ZZZZZZ	Z76656.D	08/29/24 13:46	n/a	(unrelated sample)
ZZZZZZ	Z76657.D	08/29/24 14:09	n/a	(unrelated sample)
ZZZZZZ	Z76658.D	08/29/24 14:32	n/a	(unrelated sample)
ZZZZZZ	Z76659.D	08/29/24 14:55	n/a	(unrelated sample)
FC18340-2	Z76660.D	08/29/24 15:18	n/a	2434W0BW164F
FC18340-3	Z76661.D	08/29/24 15:41	n/a	2434W0BW163F
FC18340-5	Z76662.D	08/29/24 16:04	n/a	2434W0BW161F
FC18340-6	Z76663.D	08/29/24 16:27	n/a	2434WOU2144F
FC18340-7	Z76664.D	08/29/24 16:50	n/a	2434WOU2146F
FC18339-9MS	Z76665.D	08/29/24 17:13	n/a	Matrix Spike
FC18339-9MSD	Z76666.D	08/29/24 17:36	n/a	Matrix Spike Duplicate
VZ3086-ECC3084	Z76667.D	08/29/24 17:59	n/a	Ending cal 5

MS Volatiles

Raw Data

7

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\082924\
Data File : Z76646.D
Acq On : 29 Aug 2024 9:55 am
Operator : claudias
Sample : FC18340-1 Inst : MSVOA15-Z
Misc : MS57383,VZ3086,,,,,
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Aug 29 10:48:24 2024
Quant Method : C:\msdchem\1\methods\SIMCL-08-28-2024.M
Quant Title : Standard Methods 6200B
QLast Update : Wed Aug 28 11:30:23 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Fluorobenzene	7.895	96	21051	5.00	ug/L	0.00
18) Chlorobenzene-d5	10.980	117	23301	5.00	ug/L	0.00
System Monitoring Compounds						
13) 1,2-Dichloroethane-d4	7.628	65	6741	5.29	ug/L	0.00
Spiked Amount	5.000	Range 74 - 125	Recovery	=	105.80%	
19) Toluene-d8	9.428	98	25186	4.85	ug/L	0.00
Spiked Amount	5.000	Range 88 - 111	Recovery	=	97.00%	
Target Compounds						
5) Methylene Chloride	5.213	49	207	0.06	ug/L	Qvalue 94

(#) = qualifier out of range (m) = manual integration (+) = signals summed

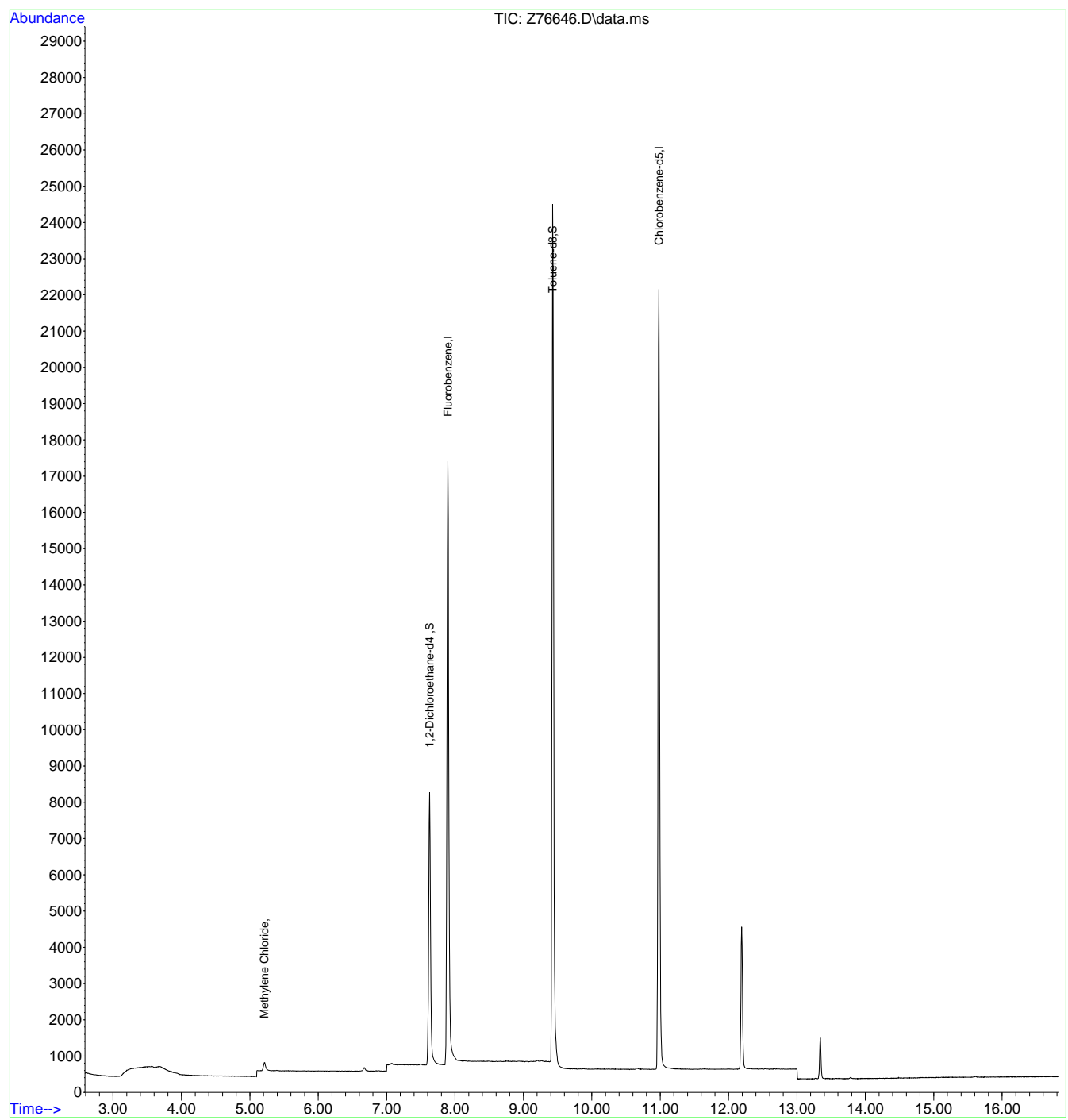
7.1.1
7



Quantitation Report (QT Reviewed)

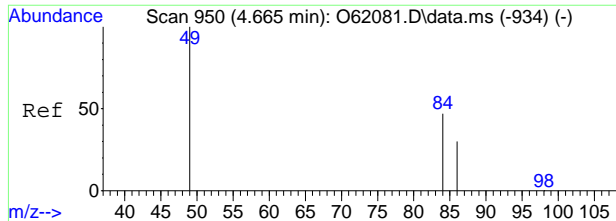
Data Path : C:\msdchem\1\data\082924\
Data File : Z76646.D
Acq On : 29 Aug 2024 9:55 am
Operator : claudias
Sample : FC18340-1 Inst : MSVOA15-Z
Misc : MS57383,VZ3086,,,,,
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Aug 29 10:48:24 2024
Quant Method : C:\msdchem\1\methods\SIMCL-08-28-2024.M
Quant Title : Standard Methods 6200B
QLast Update : Wed Aug 28 11:30:23 2024
Response via : Initial Calibration



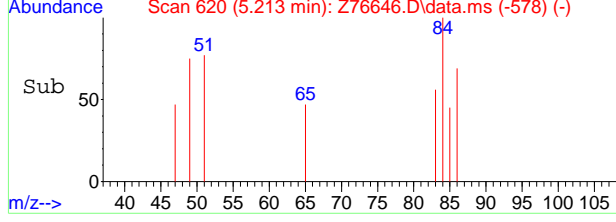
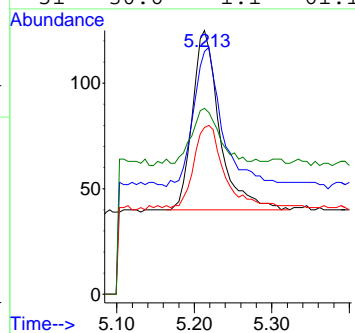
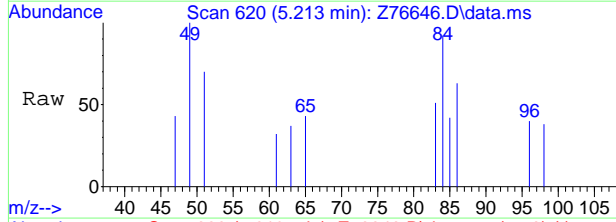
7.1.1
7





#5
 Methylene Chloride
 Concen: 0.06 ug/L
 RT: 5.213 min Scan# 620
 Delta R.T. 0.000 min
 Lab File: Z76646.D
 Acq: 29 Aug 2024 9:55 am

Tgt Ion	Ratio	Lower	Upper
49	100		
84	75.3	49.7	109.7
86	43.5	22.0	82.0
51	30.6	1.1	61.1



7.1.1
7



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\082924\
Data File : Z76660.D
Acq On : 29 Aug 2024 3:18 pm
Operator : claudias
Sample : FC18340-2 Inst : MSVOA15-Z
Misc : MS57383,VZ3086,,,,,
ALS Vial : 21 Sample Multiplier: 1

Quant Time: Aug 30 08:21:42 2024
Quant Method : C:\msdchem\1\methods\SIMCL-08-28-2024.M
Quant Title : Standard Methods 6200B
QLast Update : Wed Aug 28 11:30:23 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	

Internal Standards							
1) Fluorobenzene	7.894	96	20031	5.00	ug/L	0.00	
18) Chlorobenzene-d5	10.980	117	22238	5.00	ug/L	0.00	
System Monitoring Compounds							
13) 1,2-Dichloroethane-d4	7.628	65	6476	5.34	ug/L	0.00	
Spiked Amount	5.000	Range	74 - 125	Recovery	=	106.80%	
19) Toluene-d8	9.428	98	24106	4.86	ug/L	0.00	
Spiked Amount	5.000	Range	88 - 111	Recovery	=	97.20%	
Target Compounds							
5) Methylene Chloride	5.213	49	192	0.06	ug/L		Qvalue 96
9) Chloroform	6.883	83	159m	0.04	ug/L		
15) Trichloroethene	8.060	95	1150	0.72	ug/L		88
21) Tetrachloroethene	9.874	166	62	0.04	ug/L #		92

(#) = qualifier out of range (m) = manual integration (+) = signals summed

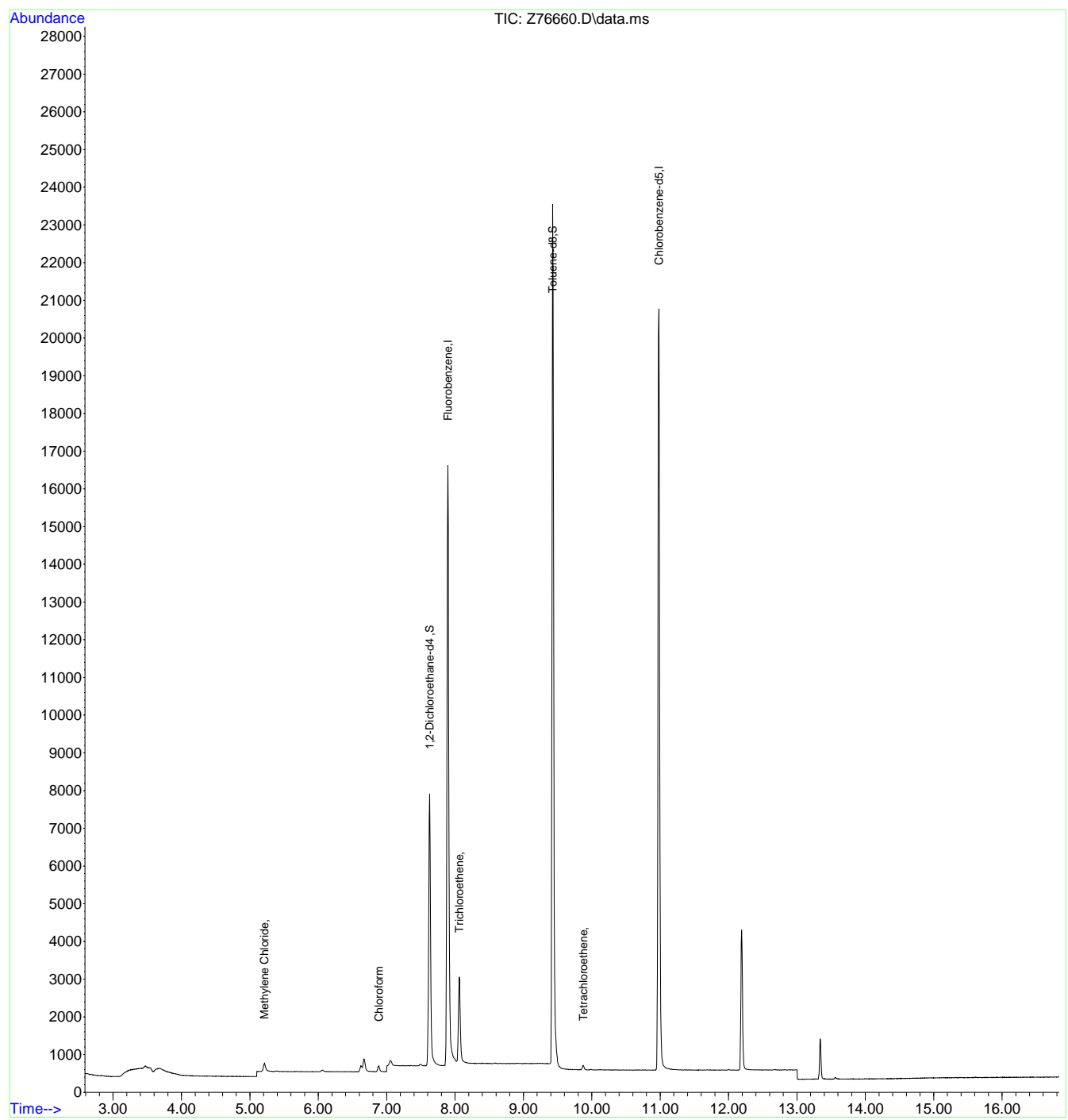
7.12
7



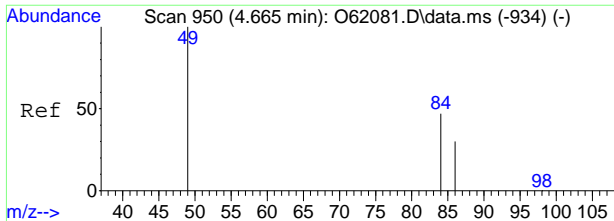
Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\082924\
Data File : Z76660.D
Acq On : 29 Aug 2024 3:18 pm
Operator : claudias
Sample : FC18340-2 Inst : MSVOA15-Z
Misc : MS57383,VZ3086,,,,,
ALS Vial : 21 Sample Multiplier: 1

Quant Time: Aug 30 08:21:42 2024
Quant Method : C:\msdchem\1\methods\SIMCL-08-28-2024.M
Quant Title : Standard Methods 6200B
QLast Update : Wed Aug 28 11:30:23 2024
Response via : Initial Calibration

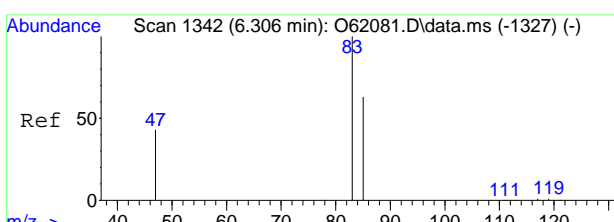
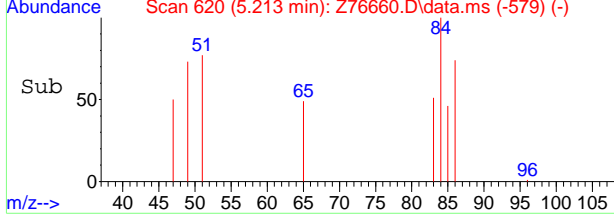
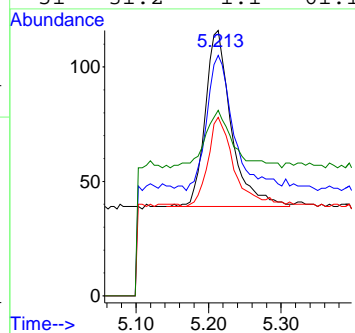
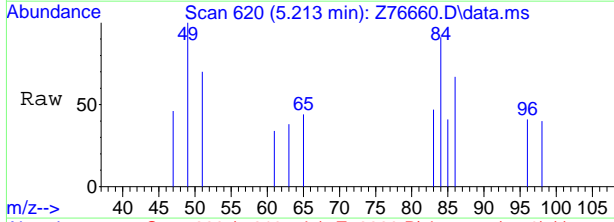


7.1.2
7



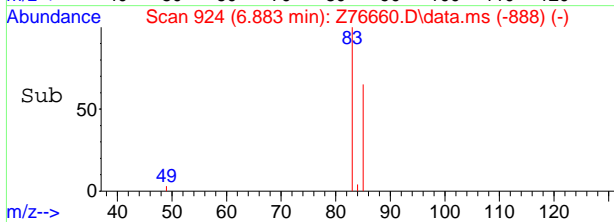
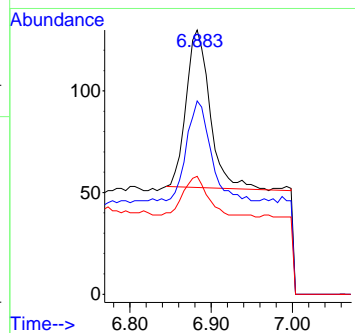
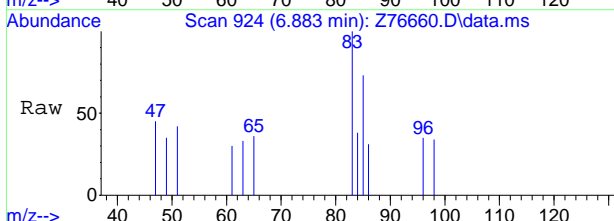
#5
 Methylene Chloride
 Concen: 0.06 ug/L
 RT: 5.213 min Scan# 620
 Delta R.T. 0.000 min
 Lab File: Z76660.D
 Acq: 29 Aug 2024 3:18 pm

Tgt Ion	Ratio	Lower	Upper
49	100		
84	74.0	49.7	109.7
86	49.4	22.0	82.0
51	31.2	1.1	61.1



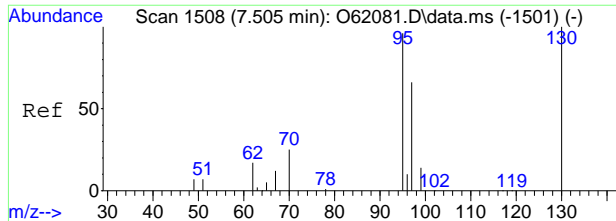
#9
 Chloroform
 Concen: 0.04 ug/L m
 RT: 6.883 min Scan# 924
 Delta R.T. -0.000 min
 Lab File: Z76660.D
 Acq: 29 Aug 2024 3:18 pm

Tgt Ion	Ratio	Lower	Upper
83	100		
85	73.1	35.9	95.9
47	44.6	0.0	51.0



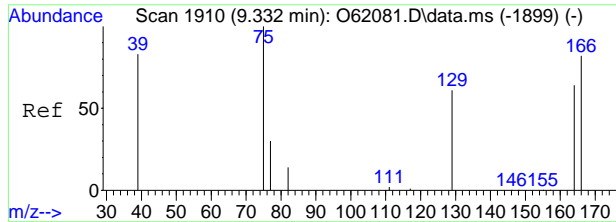
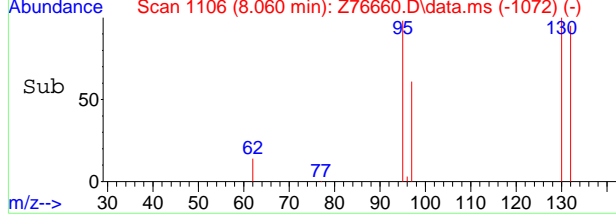
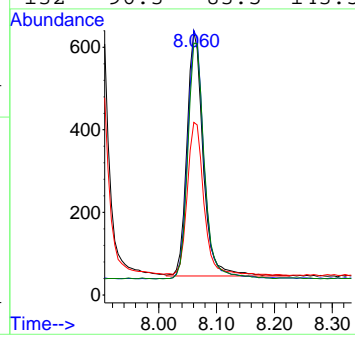
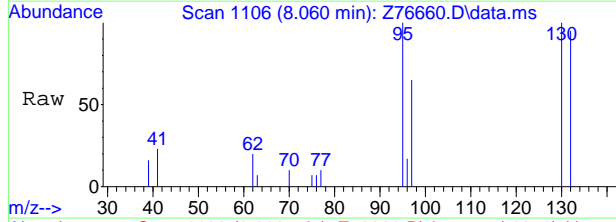
7.12
7





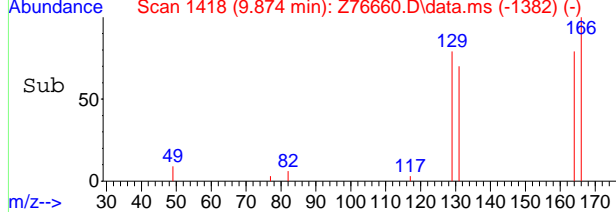
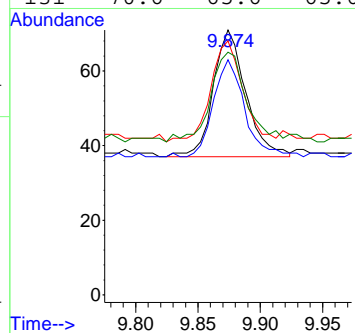
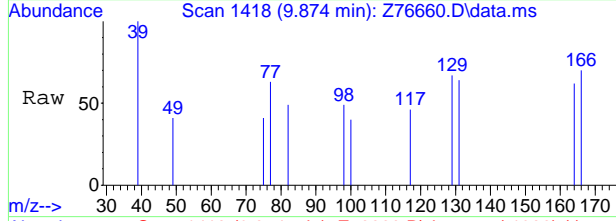
#15
Trichloroethene
Concen: 0.72 ug/L
RT: 8.060 min Scan# 1106
Delta R.T. -0.001 min
Lab File: Z76660.D
Acq: 29 Aug 2024 3:18 pm

Tgt Ion	Resp	Lower	Upper
95	1150		
130	101.5	84.5	144.5
97	62.7	36.4	96.4
132	96.3	83.5	143.5



#21
Tetrachloroethene
Concen: 0.04 ug/L
RT: 9.874 min Scan# 1418
Delta R.T. 0.000 min
Lab File: Z76660.D
Acq: 29 Aug 2024 3:18 pm

Tgt Ion	Resp	Lower	Upper
166	62		
166	100		
164	76.5	47.5	107.5
129	79.4	34.2	94.2
131	70.6	65.6	65.6#



Manual Integration Approval Summary

Sample Number: FC18340-2 **Method:** SW846 8260D BY SIM
Lab FileID: Z76660.D **Analyst approved:** 08/30/24 09:16 Claudia Sosa
Injection Time: 08/29/24 15:18 **Supervisor approved:** 08/30/24 11:55 Karen Watson

Parameter	CAS	Sig#	R.T. (min.)	Reason
Chloroform	67-66-3		6.88	Poor instrument integration

7.1.2.1

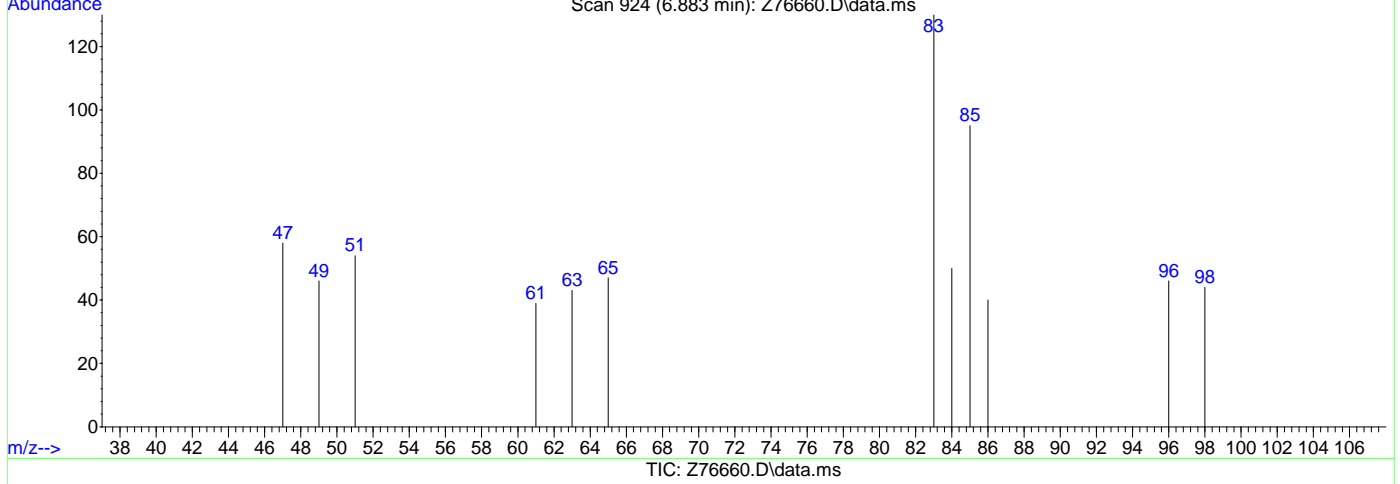
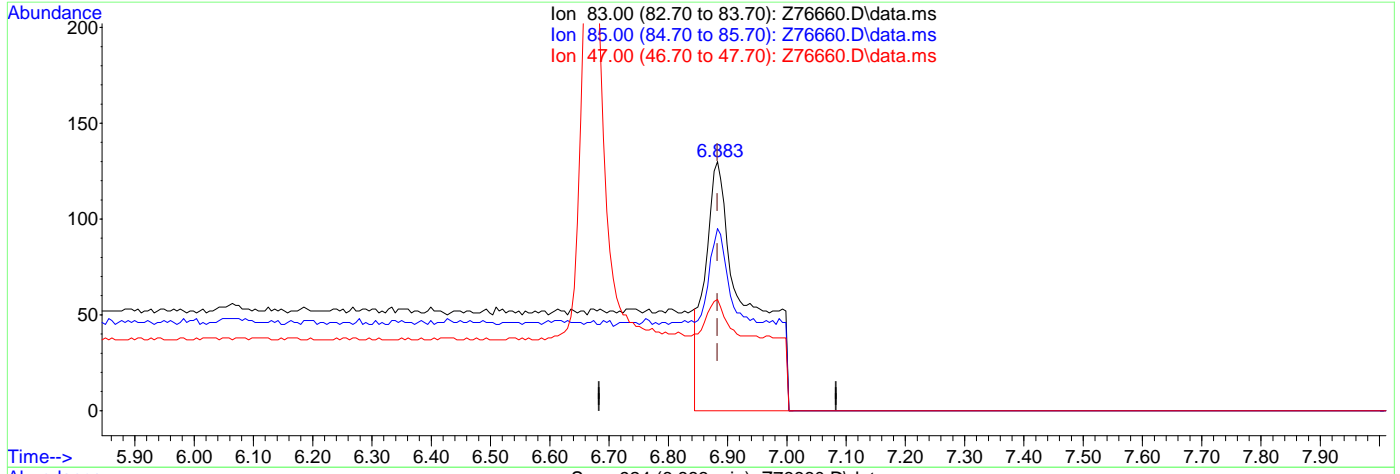
7

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\082924\
Data File : Z76660.D
Acq On : 29 Aug 2024 3:18 pm
Operator : claudias
Sample : FC18340-2
Misc : MS57383,VZ3086,,,,,
ALS Vial : 21 Sample Multiplier: 1

Inst : MSVOA15-Z

Quant Time: Aug 30 06:22:12 2024
Quant Method : C:\msdchem\1\methods\SIMCL-08-28-2024.M
Quant Title : Standard Methods 6200B
QLast Update : Wed Aug 28 11:30:23 2024
Response via : Initial Calibration



(9) Chloroform

6.883min (-0.000) 0.18ug/L

response 644

Ion	Exp%	Act%
83.00	100	100
85.00	65.90	73.08
47.00	21.00	44.62
0.00	0.00	0.00



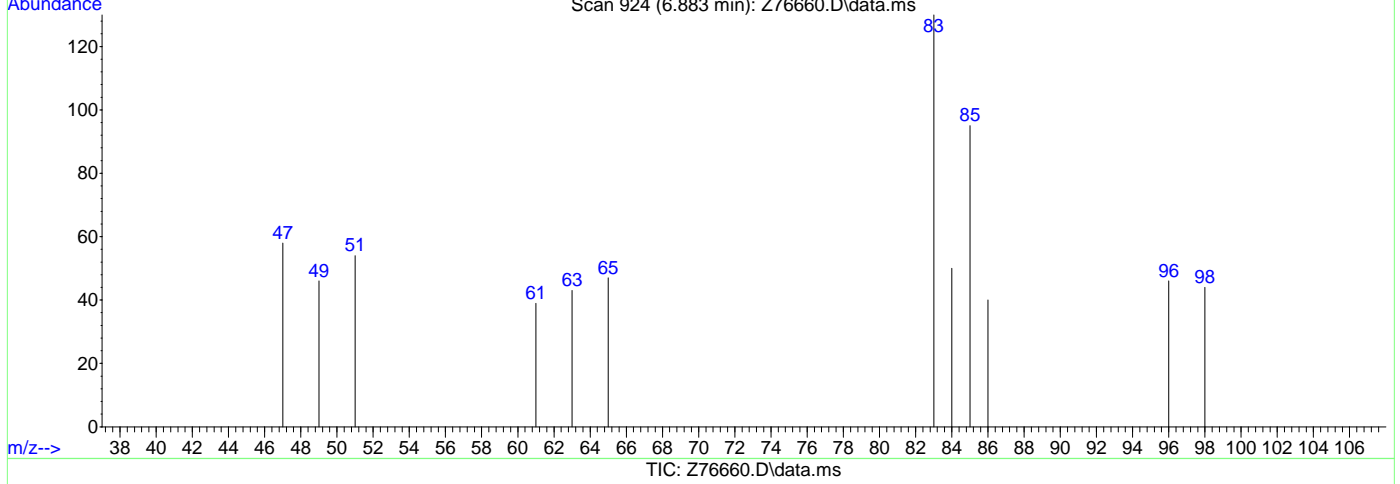
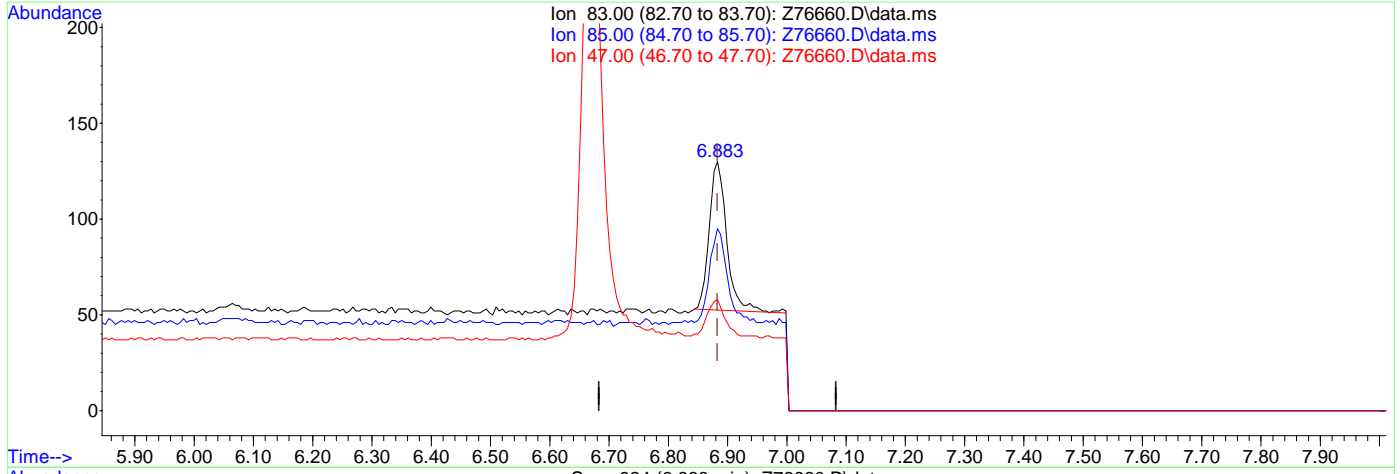
7.1.2.2
7

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\082924\
Data File : Z76660.D
Acq On : 29 Aug 2024 3:18 pm
Operator : claudias
Sample : FC18340-2
Misc : MS57383,VZ3086,,,,,
ALS Vial : 21 Sample Multiplier: 1

Inst : MSVOA15-Z

Quant Time: Aug 30 06:22:12 2024
Quant Method : C:\msdchem\1\methods\SIMCL-08-28-2024.M
Quant Title : Standard Methods 6200B
QLast Update : Wed Aug 28 11:30:23 2024
Response via : Initial Calibration



(9) Chloroform

6.883min (-0.000) 0.04ug/L m

response 159

Ion	Exp%	Act%
83.00	100	100
85.00	65.90	73.08
47.00	21.00	44.62
0.00	0.00	0.00



7.1.2.3
7

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\082924\
Data File : Z76661.D
Acq On : 29 Aug 2024 3:41 pm
Operator : claudias
Sample : FC18340-3 Inst : MSVOA15-Z
Misc : MS57383,VZ3086,,,,,
ALS Vial : 22 Sample Multiplier: 1

Quant Time: Aug 30 08:23:01 2024
Quant Method : C:\msdchem\1\methods\SIMCL-08-28-2024.M
Quant Title : Standard Methods 6200B
QLast Update : Wed Aug 28 11:30:23 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	

Internal Standards							
1) Fluorobenzene	7.895	96	20702	5.00	ug/L	0.00	
18) Chlorobenzene-d5	10.980	117	23051	5.00	ug/L	0.00	
System Monitoring Compounds							
13) 1,2-Dichloroethane-d4	7.628	65	6848	5.46	ug/L	0.00	
Spiked Amount	5.000	Range	74 - 125	Recovery	=	109.20%	
19) Toluene-d8	9.428	98	24922	4.85	ug/L	0.00	
Spiked Amount	5.000	Range	88 - 111	Recovery	=	97.00%	
Target Compounds							
5) Methylene Chloride	5.208	49	208	0.07	ug/L	90	Qvalue
8) cis-1,2-Dichloroethene	6.625	96	177	0.08	ug/L	95	
9) Chloroform	6.883	83	344m	0.09	ug/L		
10) Carbon Tetrachloride	7.051	117	1917m	0.70	ug/L		
15) Trichloroethene	8.061	95	95	0.06	ug/L	92	

(#) = qualifier out of range (m) = manual integration (+) = signals summed

7.1.3
7

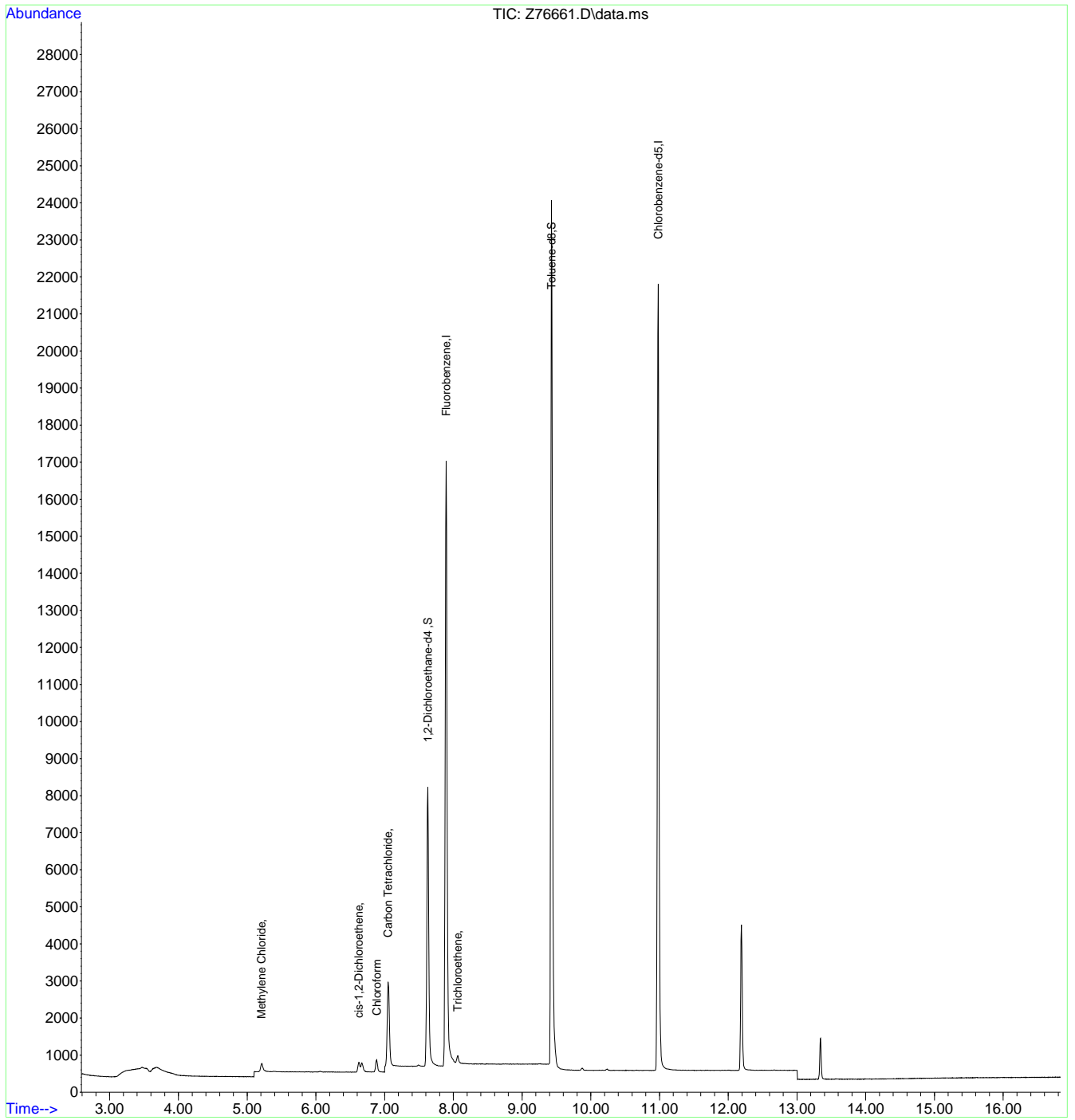


Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\082924\
Data File : Z76661.D
Acq On : 29 Aug 2024 3:41 pm
Operator : claudias
Sample : FC18340-3
Misc : MS57383,VZ3086,,,,,
ALS Vial : 22 Sample Multiplier: 1

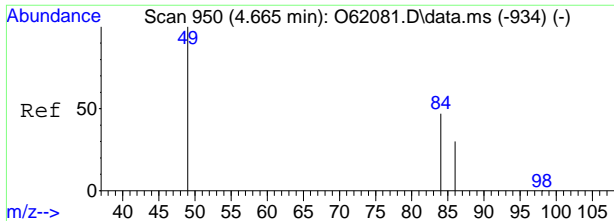
Inst : MSVOA15-Z

Quant Time: Aug 30 08:23:01 2024
Quant Method : C:\msdchem\1\methods\SIMCL-08-28-2024.M
Quant Title : Standard Methods 6200B
QLast Update : Wed Aug 28 11:30:23 2024
Response via : Initial Calibration



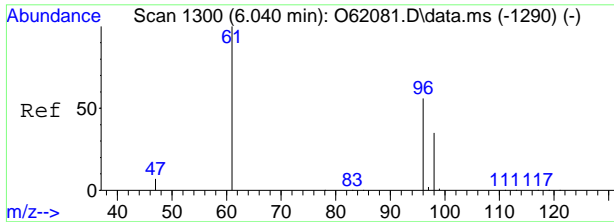
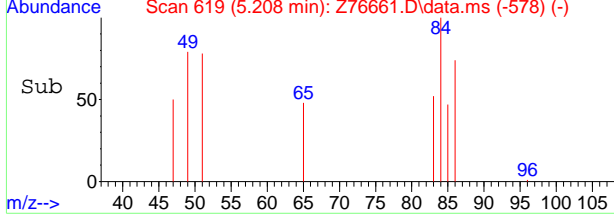
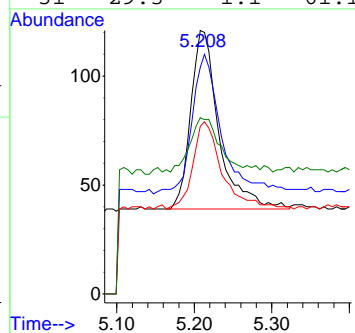
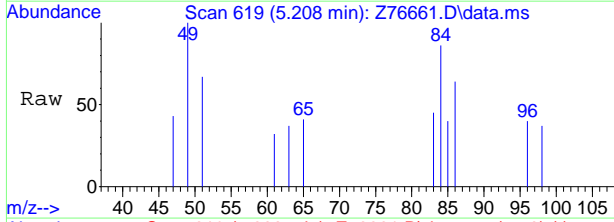
7.1.3
7





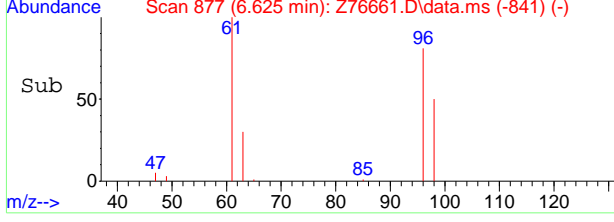
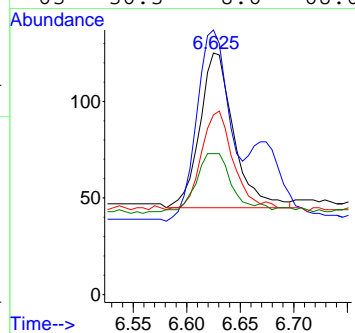
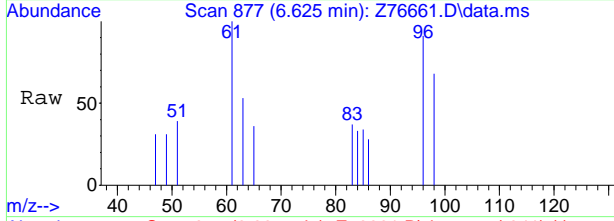
#5
Methylene Chloride
Concen: 0.07 ug/L
RT: 5.208 min Scan# 619
Delta R.T. -0.005 min
Lab File: Z76661.D
Acq: 29 Aug 2024 3:41 pm

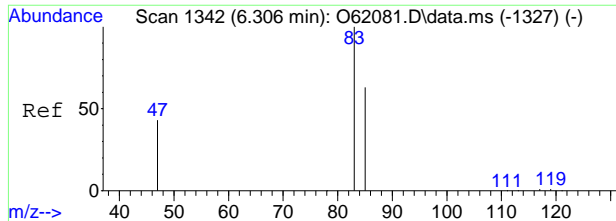
Tgt Ion	Ratio	Lower	Upper
49	100		
84	68.3	49.7	109.7
86	46.3	22.0	82.0
51	29.3	1.1	61.1



#8
cis-1,2-Dichloroethene
Concen: 0.08 ug/L
RT: 6.625 min Scan# 877
Delta R.T. -0.000 min
Lab File: Z76661.D
Acq: 29 Aug 2024 3:41 pm

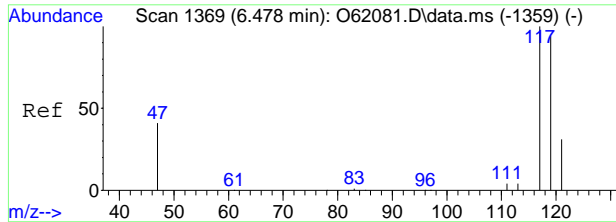
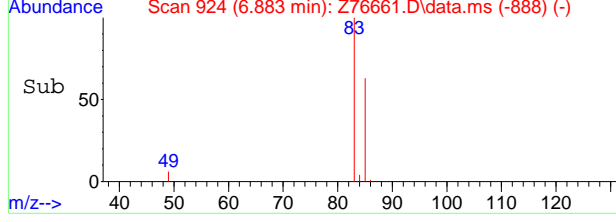
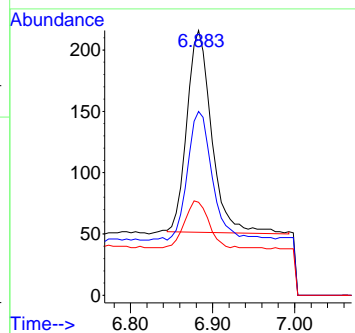
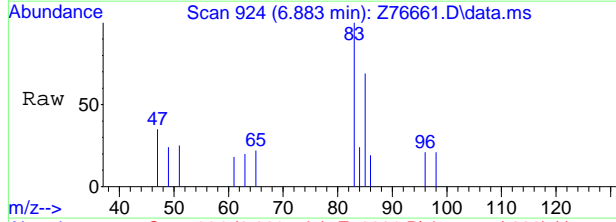
Tgt Ion	Ratio	Lower	Upper
96	100		
61	123.8	87.8	147.8
98	61.2	34.4	94.4
63	36.3	8.6	68.6





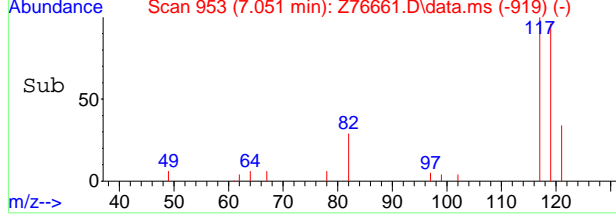
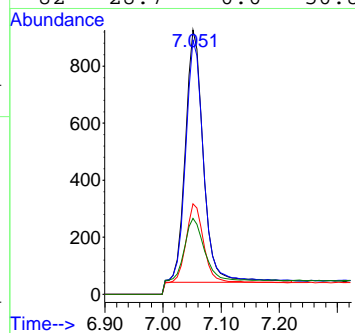
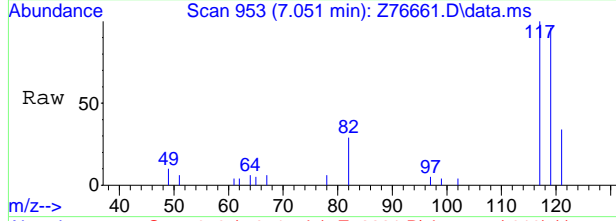
#9
 Chloroform
 Concen: 0.09 ug/L m
 RT: 6.883 min Scan# 924
 Delta R.T. -0.000 min
 Lab File: Z76661.D
 Acq: 29 Aug 2024 3:41 pm

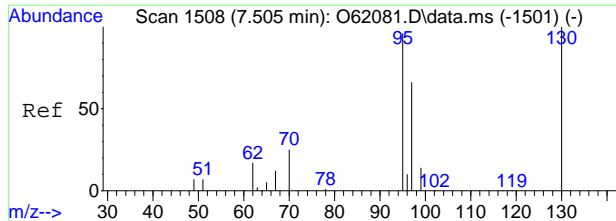
Tgt Ion	Resp	Lower	Upper
83	344		
85	69.4	35.9	95.9
47	35.2	0.0	51.0



#10
 Carbon Tetrachloride
 Concen: 0.70 ug/L m
 RT: 7.051 min Scan# 953
 Delta R.T. -0.007 min
 Lab File: Z76661.D
 Acq: 29 Aug 2024 3:41 pm

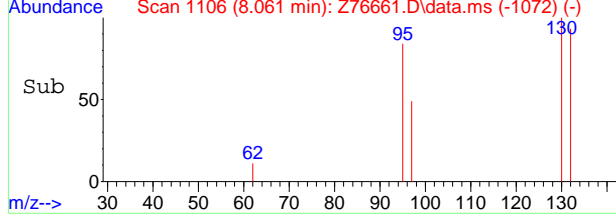
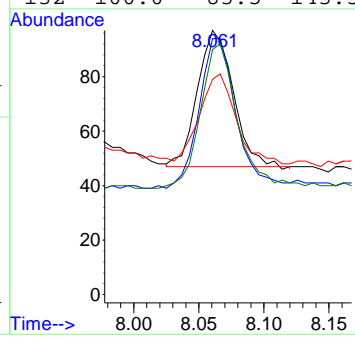
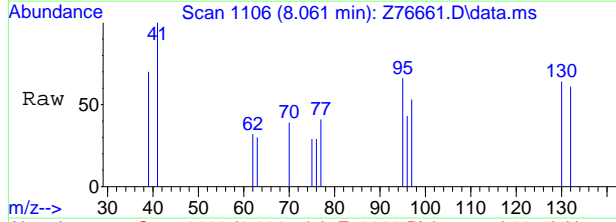
Tgt Ion	Resp	Lower	Upper
117	1917		
119	96.1	66.2	126.2
121	34.2	1.2	61.2
82	28.7	0.0	50.8





#15
 Trichloroethene
 Concen: 0.06 ug/L
 RT: 8.061 min Scan# 1106
 Delta R.T. -0.000 min
 Lab File: Z76661.D
 Acq: 29 Aug 2024 3:41 pm

Tgt Ion	Ratio	Lower	Upper
95	100		
130	110.0	84.5	144.5
97	62.0	36.4	96.4
132	100.0	83.5	143.5



7.1.3
7



Manual Integration Approval Summary

Sample Number: FC18340-3 **Method:** SW846 8260D BY SIM
Lab FileID: Z76661.D **Analyst approved:** 08/30/24 09:16 Claudia Sosa
Injection Time: 08/29/24 15:41 **Supervisor approved:** 08/30/24 11:55 Karen Watson

Parameter	CAS	Sig#	R.T. (min.)	Reason
Chloroform	67-66-3		6.88	Poor instrument integration
Carbon Tetrachloride	56-23-5		7.05	Poor instrument integration

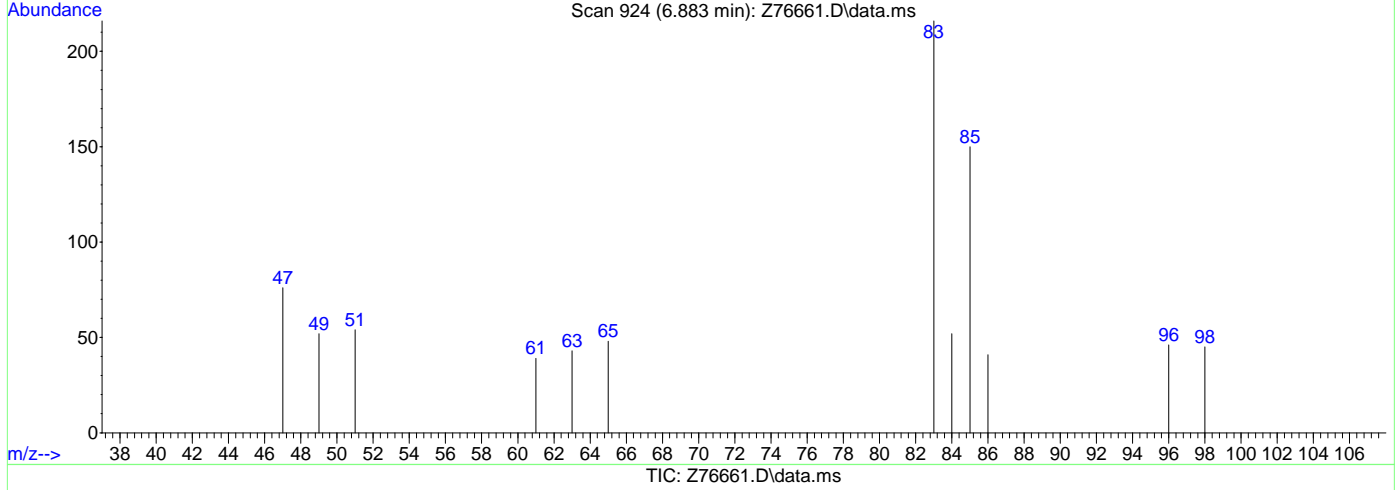
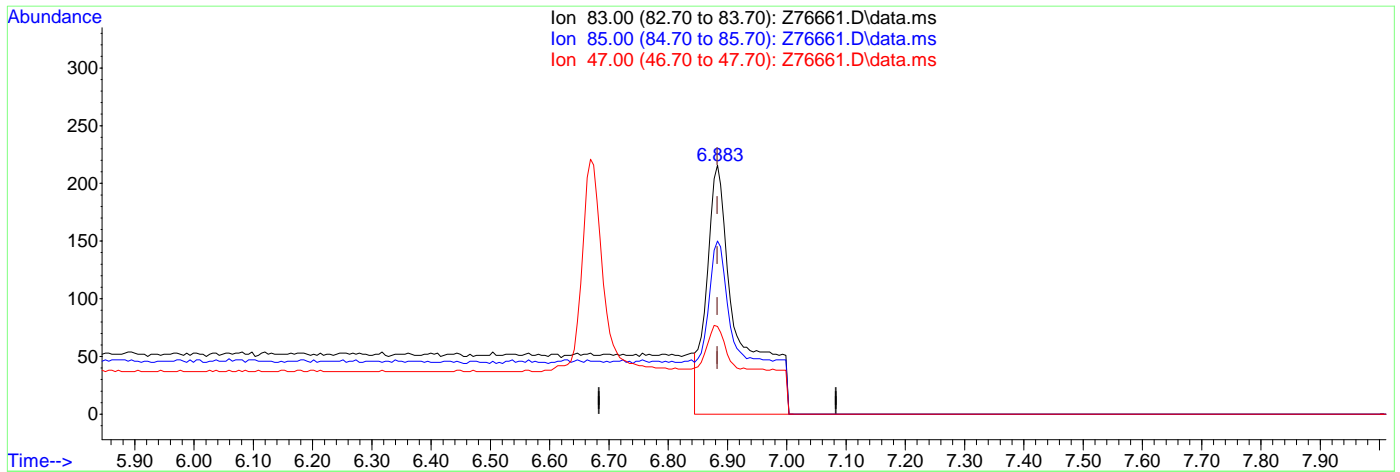
71.3.1
7

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\082924\
Data File : Z76661.D
Acq On : 29 Aug 2024 3:41 pm
Operator : claudias
Sample : FC18340-3
Misc : MS57383,VZ3086,,,,,
ALS Vial : 22 Sample Multiplier: 1

Inst : MSVOA15-Z

Quant Time: Aug 30 06:22:14 2024
Quant Method : C:\msdchem\1\methods\SIMCL-08-28-2024.M
Quant Title : Standard Methods 6200B
QLast Update : Wed Aug 28 11:30:23 2024
Response via : Initial Calibration



(9) Chloroform

6.883min (-0.000) 0.22ug/L

response 821

Ion	Exp%	Act%
83.00	100	100
85.00	65.90	69.44
47.00	21.00	35.19
0.00	0.00	0.00



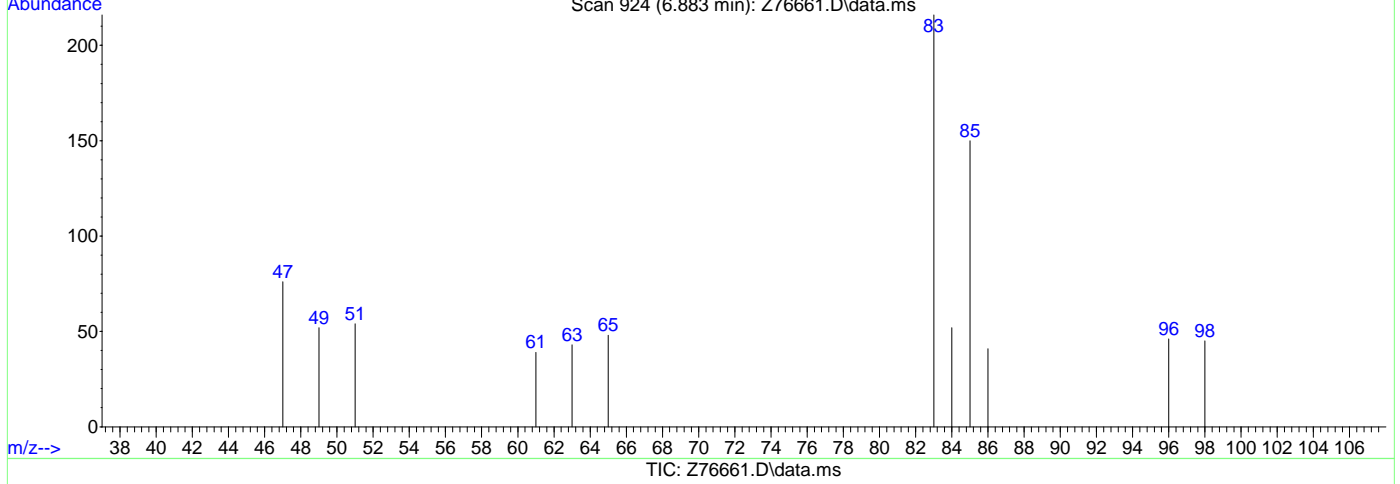
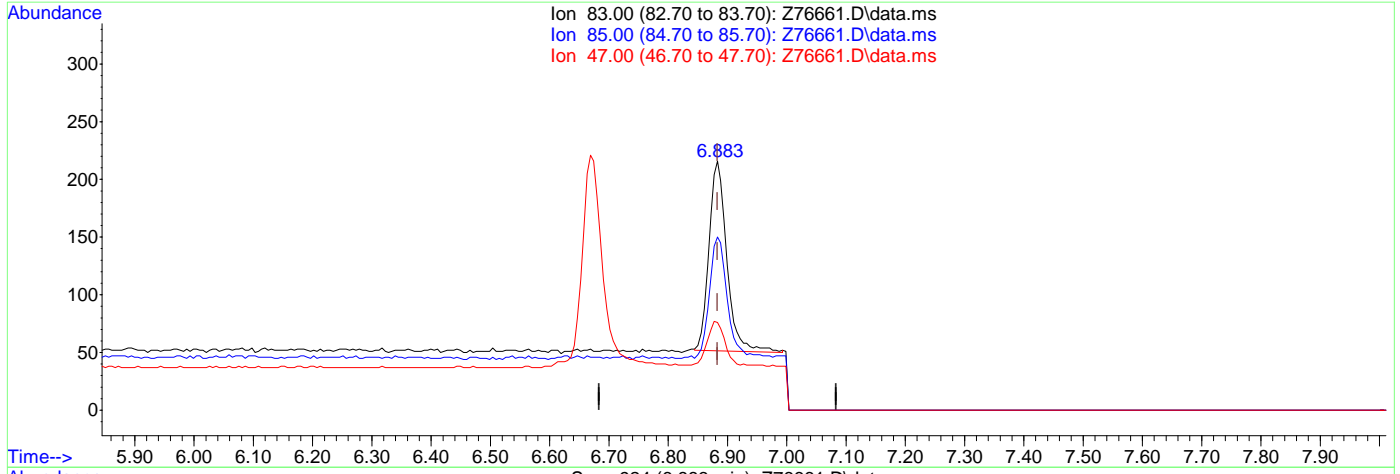
7.1.3.2
7

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\082924\
Data File : Z76661.D
Acq On : 29 Aug 2024 3:41 pm
Operator : claudias
Sample : FC18340-3
Misc : MS57383,VZ3086,,,,,
ALS Vial : 22 Sample Multiplier: 1

Inst : MSVOA15-Z

Quant Time: Aug 30 06:22:14 2024
Quant Method : C:\msdchem\1\methods\SIMCL-08-28-2024.M
Quant Title : Standard Methods 6200B
QLast Update : Wed Aug 28 11:30:23 2024
Response via : Initial Calibration



(9) Chloroform

6.883min (-0.000) 0.09ug/L m

response 344

Ion	Exp%	Act%
83.00	100	100
85.00	65.90	69.44
47.00	21.00	35.19
0.00	0.00	0.00

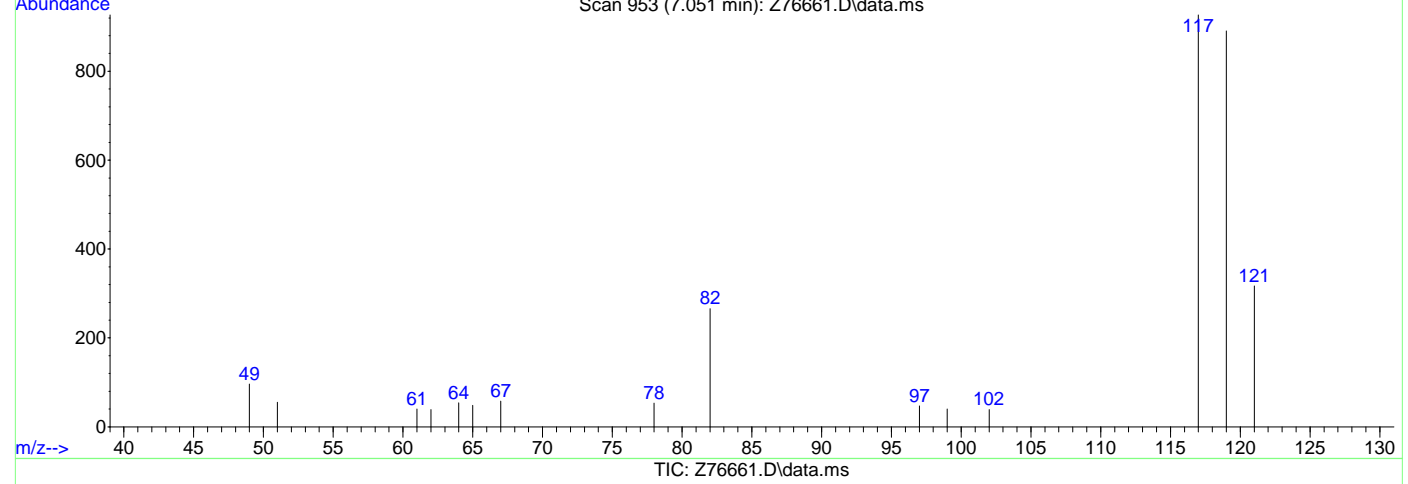
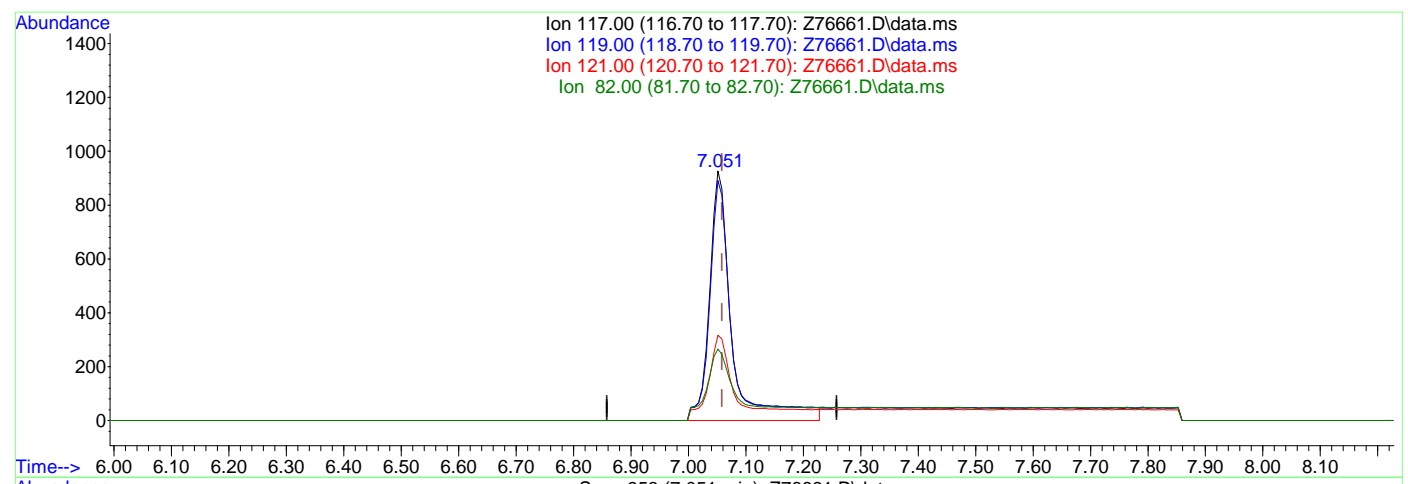


7.1.3.3
7

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\082924\
Data File : Z76661.D
Acq On : 29 Aug 2024 3:41 pm
Operator : claudias
Sample : FC18340-3
Misc : MS57383,VZ3086,,,,,
ALS Vial : 22 Sample Multiplier: 1
Inst : MSVOA15-Z

Quant Time: Aug 30 06:22:14 2024
Quant Method : C:\msdchem\1\methods\SIMCL-08-28-2024.M
Quant Title : Standard Methods 6200B
QLast Update : Wed Aug 28 11:30:23 2024
Response via : Initial Calibration



(10) Carbon Tetrachloride ()

7.051min (-0.007) 0.91ug/L

response 2475

Ion	Exp%	Act%
117.00	100	100
119.00	96.20	96.12
121.00	31.20	34.20
82.00	20.80	28.69



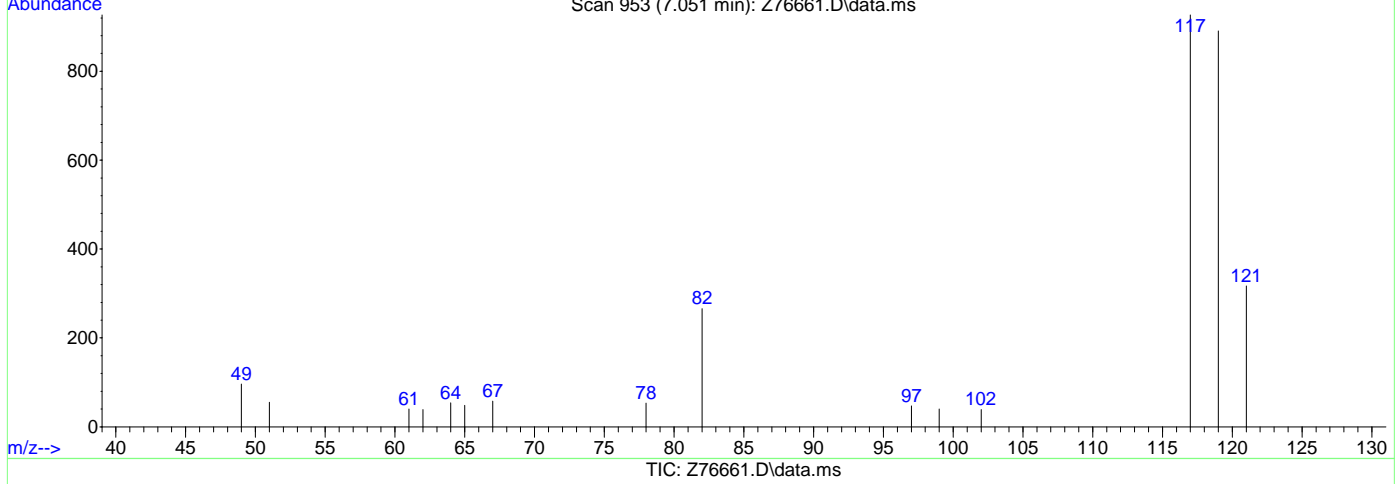
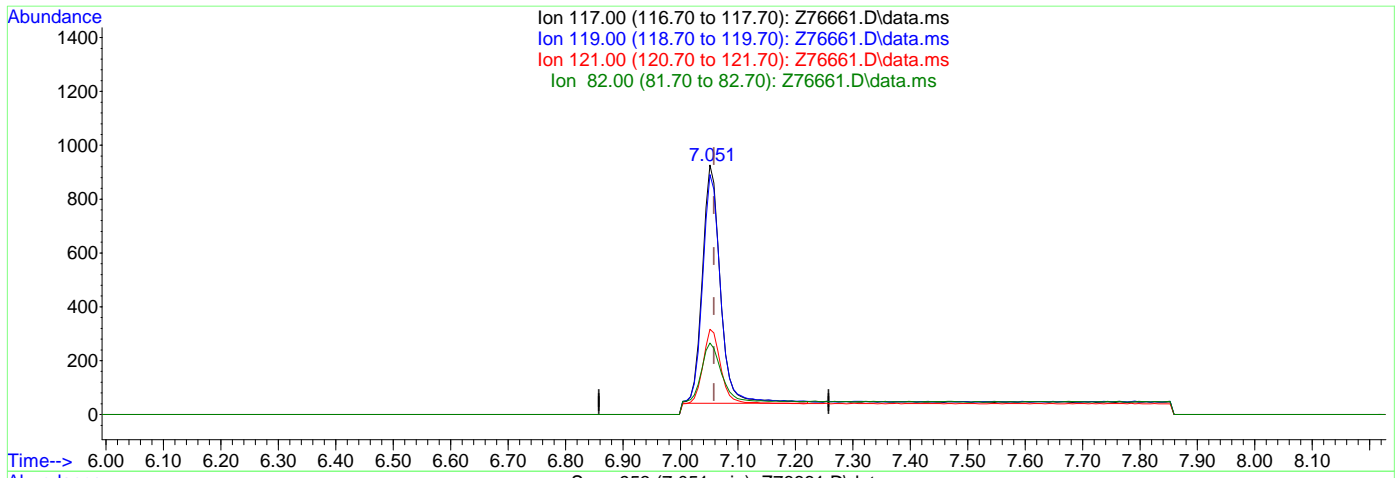
7.1.3.4
7

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\082924\
Data File : Z76661.D
Acq On : 29 Aug 2024 3:41 pm
Operator : claudias
Sample : FC18340-3
Misc : MS57383,VZ3086,,,,,
ALS Vial : 22 Sample Multiplier: 1

Inst : MSVOA15-Z

Quant Time: Aug 30 06:22:14 2024
Quant Method : C:\msdchem\1\methods\SIMCL-08-28-2024.M
Quant Title : Standard Methods 6200B
QLast Update : Wed Aug 28 11:30:23 2024
Response via : Initial Calibration



(10) Carbon Tetrachloride ()

7.051min (-0.007) 0.70ug/L m

response 1917

Ion	Exp%	Act%
117.00	100	100
119.00	96.20	96.12
121.00	31.20	34.20
82.00	20.80	28.69



7.1.3.5
7

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\082924\
Data File : Z76647.D
Acq On : 29 Aug 2024 10:18 am
Operator : claudias
Sample : FC18340-4 Inst : MSVOA15-Z
Misc : MS57383,VZ3086,,,,,
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Aug 29 10:48:51 2024
Quant Method : C:\msdchem\1\methods\SIMCL-08-28-2024.M
Quant Title : Standard Methods 6200B
QLast Update : Wed Aug 28 11:30:23 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Fluorobenzene	7.894	96	20645	5.00	ug/L	0.00
18) Chlorobenzene-d5	10.980	117	23123	5.00	ug/L	0.00
System Monitoring Compounds						
13) 1,2-Dichloroethane-d4	7.628	65	6846	5.47	ug/L	0.00
Spiked Amount	5.000	Range 74 - 125	Recovery	=	109.40%	
19) Toluene-d8	9.428	98	24781	4.81	ug/L	0.00
Spiked Amount	5.000	Range 88 - 111	Recovery	=	96.20%	
Target Compounds						
5) Methylene Chloride	5.213	49	216	0.07	ug/L	Qvalue 91

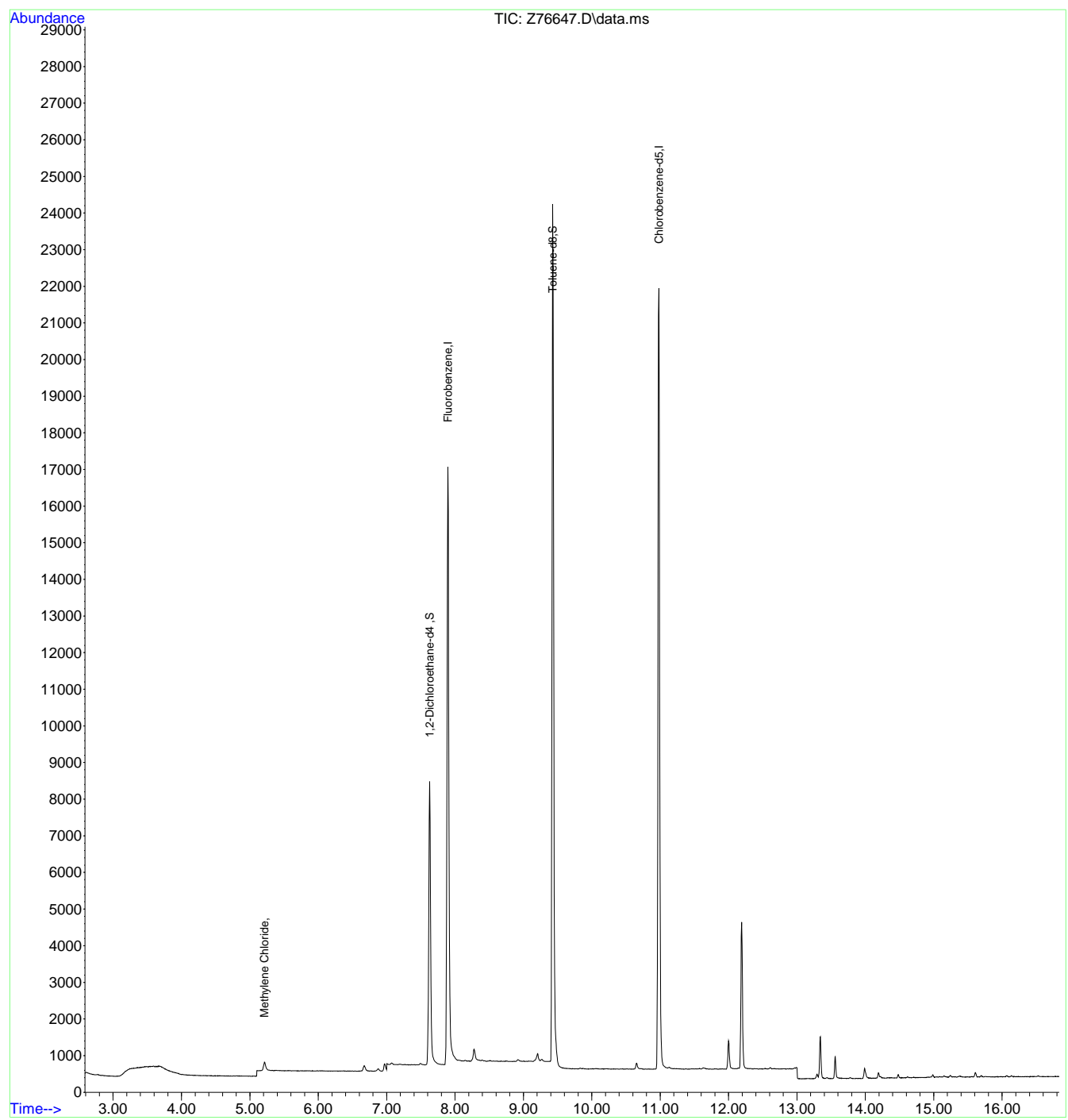
(#) = qualifier out of range (m) = manual integration (+) = signals summed

7.14
7

Quantitation Report (QT Reviewed)

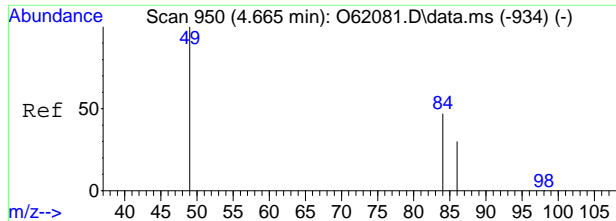
Data Path : C:\msdchem\1\data\082924\
Data File : Z76647.D
Acq On : 29 Aug 2024 10:18 am
Operator : claudias
Sample : FC18340-4 Inst : MSVOA15-Z
Misc : MS57383,VZ3086,,,,,
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Aug 29 10:48:51 2024
Quant Method : C:\msdchem\1\methods\SIMCL-08-28-2024.M
Quant Title : Standard Methods 6200B
QLast Update : Wed Aug 28 11:30:23 2024
Response via : Initial Calibration



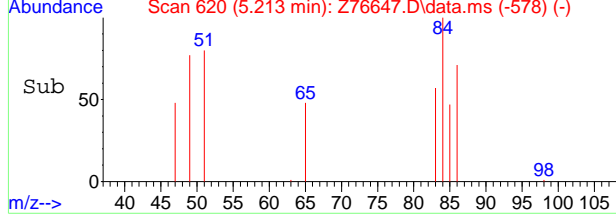
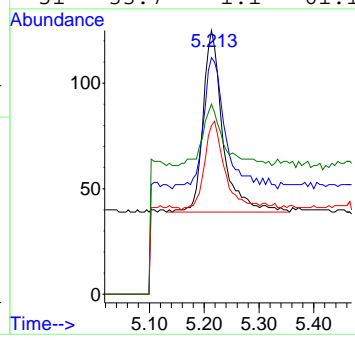
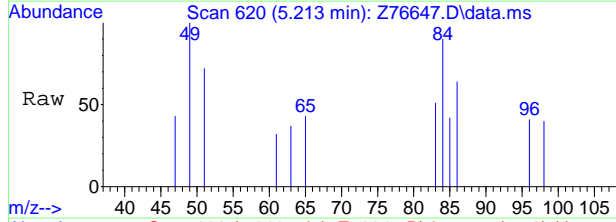
7.1.4
7





#5
 Methylene Chloride
 Concen: 0.07 ug/L
 RT: 5.213 min Scan# 620
 Delta R.T. 0.000 min
 Lab File: Z76647.D
 Acq: 29 Aug 2024 10:18 am

Tgt Ion	Ratio	Lower	Upper
49	100		
84	69.8	49.7	109.7
86	45.3	22.0	82.0
51	33.7	1.1	61.1



7.1.4
7



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\082924\
Data File : Z76662.D
Acq On : 29 Aug 2024 4:04 pm
Operator : claudias
Sample : FC18340-5 Inst : MSVOA15-Z
Misc : MS57383,VZ3086,,,,,
ALS Vial : 23 Sample Multiplier: 1

Quant Time: Aug 30 08:43:11 2024
Quant Method : C:\msdchem\1\methods\SIMCL-08-28-2024.M
Quant Title : Standard Methods 6200B
QLast Update : Wed Aug 28 11:30:23 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	Qvalue

Internal Standards							
1) Fluorobenzene	7.894	96	20240	5.00	ug/L	0.00	
18) Chlorobenzene-d5	10.980	117	22649	5.00	ug/L	0.00	
System Monitoring Compounds							
13) 1,2-Dichloroethane-d4	7.628	65	6662	5.43	ug/L	0.00	
Spiked Amount	5.000	Range 74 - 125	Recovery	=	108.60%		
19) Toluene-d8	9.428	98	24436	4.84	ug/L	0.00	
Spiked Amount	5.000	Range 88 - 111	Recovery	=	96.80%		
Target Compounds							
5) Methylene Chloride	5.208	49	206	0.07	ug/L		94
10) Carbon Tetrachloride	7.058	117	171m	0.06	ug/L		
15) Trichloroethene	8.060	95	1504	0.93	ug/L		87
21) Tetrachloroethene	9.874	166	98	0.06	ug/L #		84

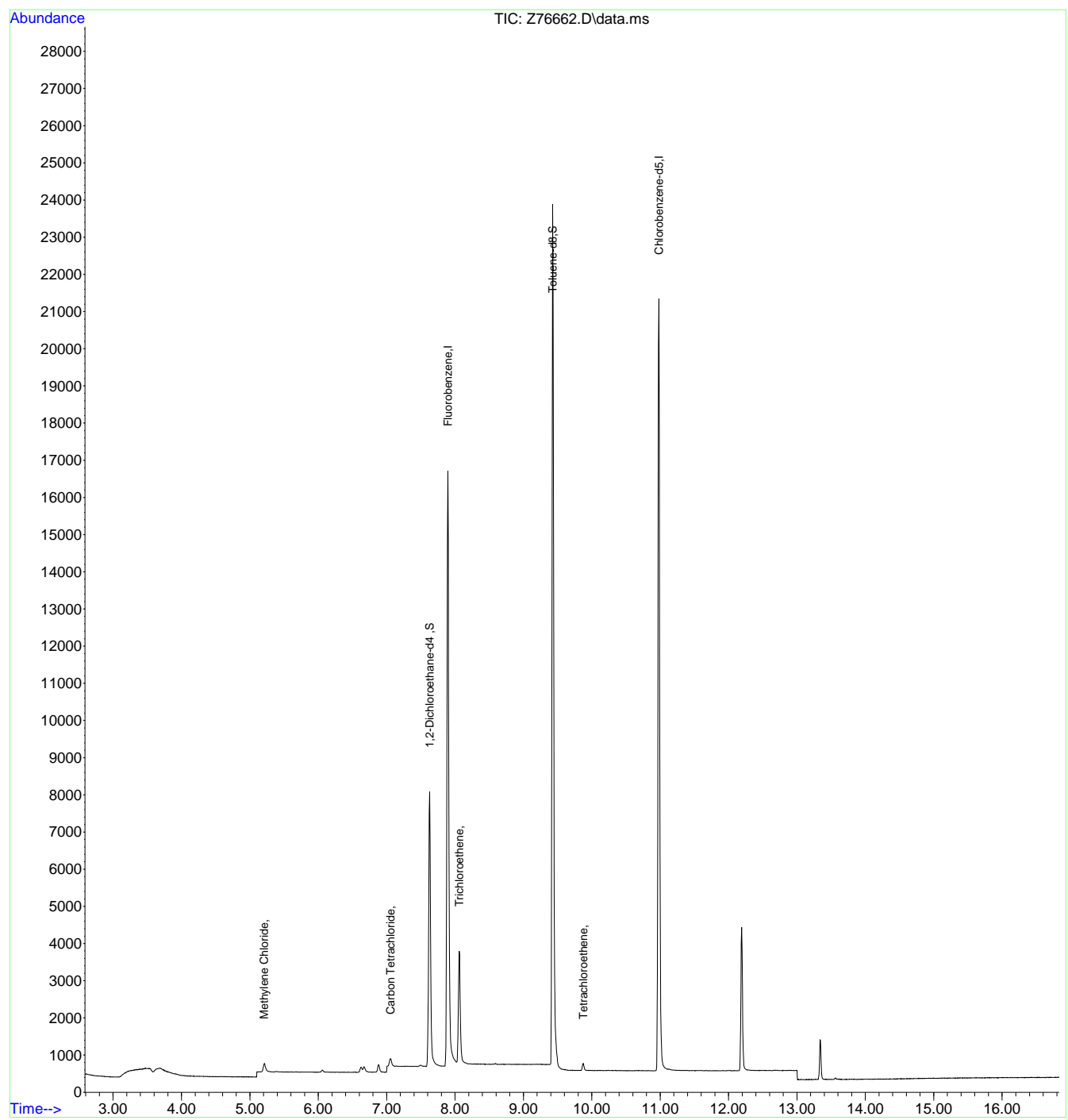
(#) = qualifier out of range (m) = manual integration (+) = signals summed

7.15
7

Quantitation Report (QT Reviewed)

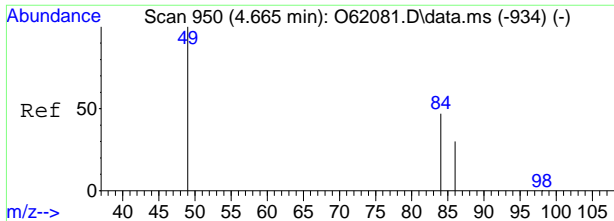
Data Path : C:\msdchem\1\data\082924\
Data File : Z76662.D
Acq On : 29 Aug 2024 4:04 pm
Operator : claudias
Sample : FC18340-5 Inst : MSVOA15-Z
Misc : MS57383,VZ3086,,,,,
ALS Vial : 23 Sample Multiplier: 1

Quant Time: Aug 30 08:43:11 2024
Quant Method : C:\msdchem\1\methods\SIMCL-08-28-2024.M
Quant Title : Standard Methods 6200B
QLast Update : Wed Aug 28 11:30:23 2024
Response via : Initial Calibration



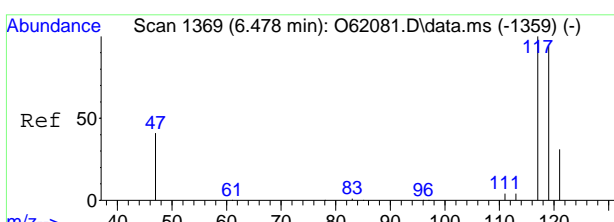
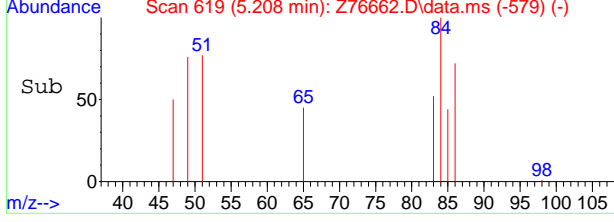
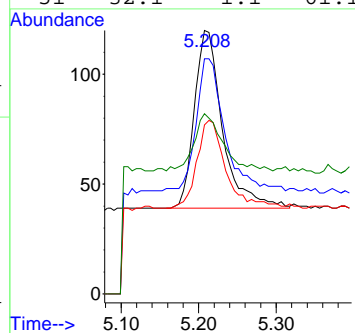
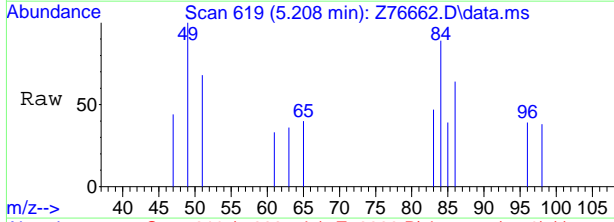
7.15
7





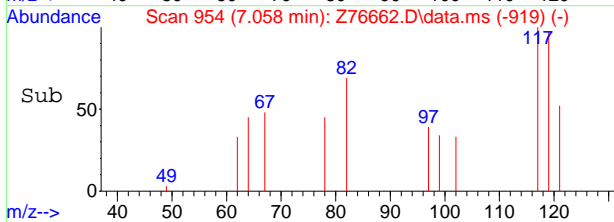
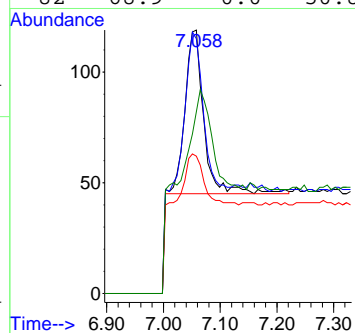
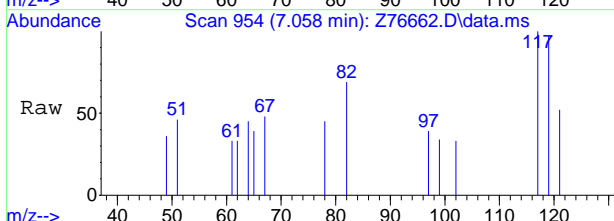
#5
 Methylene Chloride
 Concen: 0.07 ug/L
 RT: 5.208 min Scan# 619
 Delta R.T. -0.005 min
 Lab File: Z76662.D
 Acq: 29 Aug 2024 4:04 pm

Tgt Ion	Ratio	Lower	Upper
49	100		
84	72.8	49.7	109.7
86	46.9	22.0	82.0
51	32.1	1.1	61.1



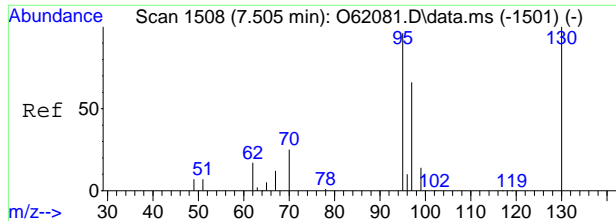
#10
 Carbon Tetrachloride
 Concen: 0.06 ug/L m
 RT: 7.058 min Scan# 954
 Delta R.T. 0.000 min
 Lab File: Z76662.D
 Acq: 29 Aug 2024 4:04 pm

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.6	66.2	126.2
121	52.1	1.2	61.2
82	68.9	0.0	50.8



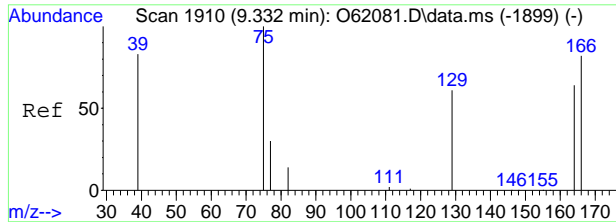
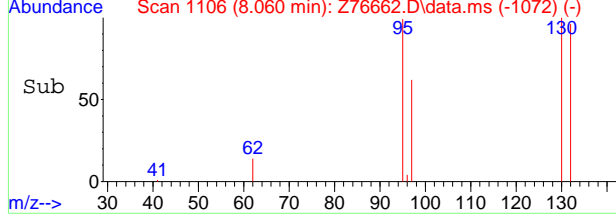
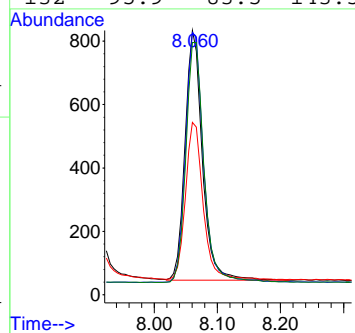
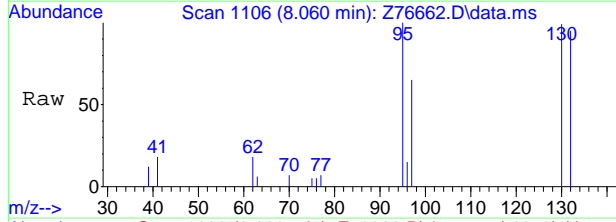
7.15
7





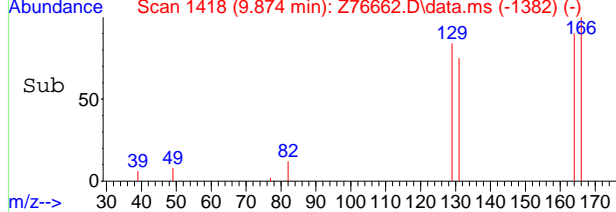
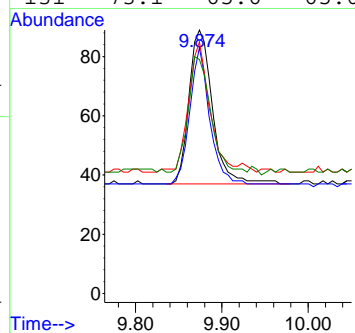
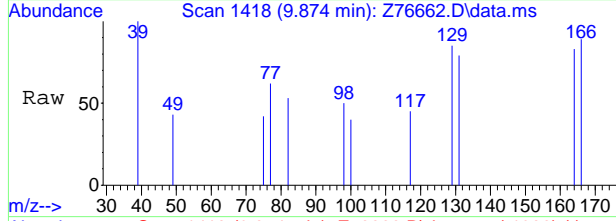
#15
 Trichloroethene
 Concen: 0.93 ug/L
 RT: 8.060 min Scan# 1106
 Delta R.T. -0.001 min
 Lab File: Z76662.D
 Acq: 29 Aug 2024 4:04 pm

Tgt Ion	Resp	Lower	Upper
95	1504		
100			
130	99.9	84.5	144.5
97	62.8	36.4	96.4
132	95.9	83.5	143.5



#21
 Tetrachloroethene
 Concen: 0.06 ug/L
 RT: 9.874 min Scan# 1418
 Delta R.T. 0.000 min
 Lab File: Z76662.D
 Acq: 29 Aug 2024 4:04 pm

Tgt Ion	Resp	Lower	Upper
166	98		
100			
164	88.5	47.5	107.5
129	84.6	34.2	94.2
131	73.1	65.6	65.6#



Manual Integration Approval Summary

Sample Number: FC18340-5 **Method:** SW846 8260D BY SIM
Lab FileID: Z76662.D **Analyst approved:** 08/30/24 09:16 Claudia Sosa
Injection Time: 08/29/24 16:04 **Supervisor approved:** 08/30/24 11:55 Karen Watson

Parameter	CAS	Sig#	R.T. (min.)	Reason
Carbon Tetrachloride	56-23-5		7.06	Poor instrument integration

7.1.5.1

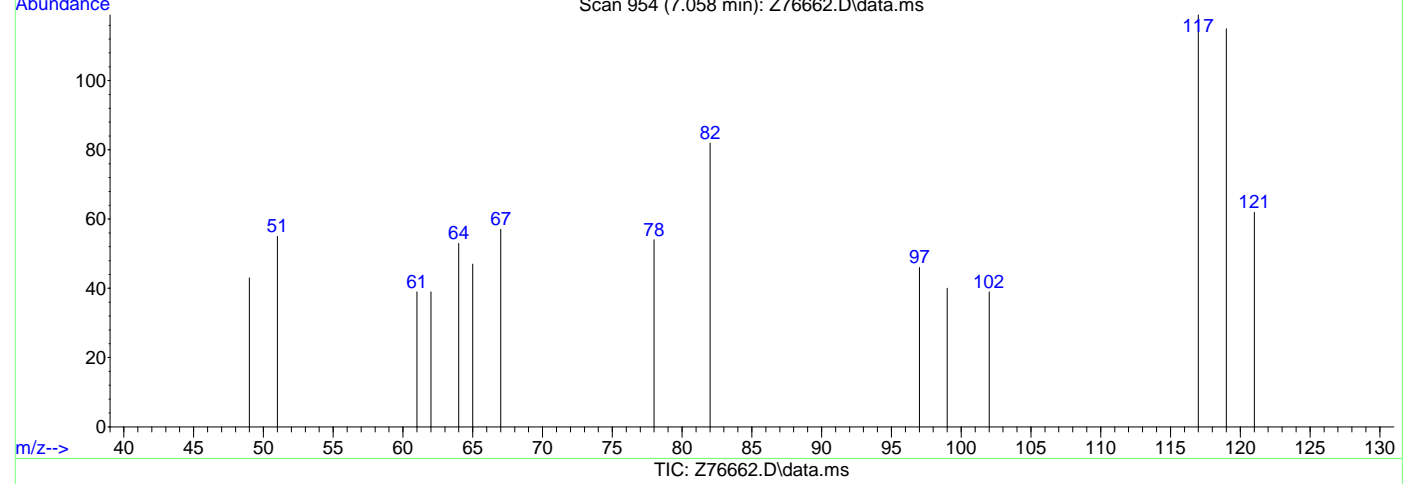
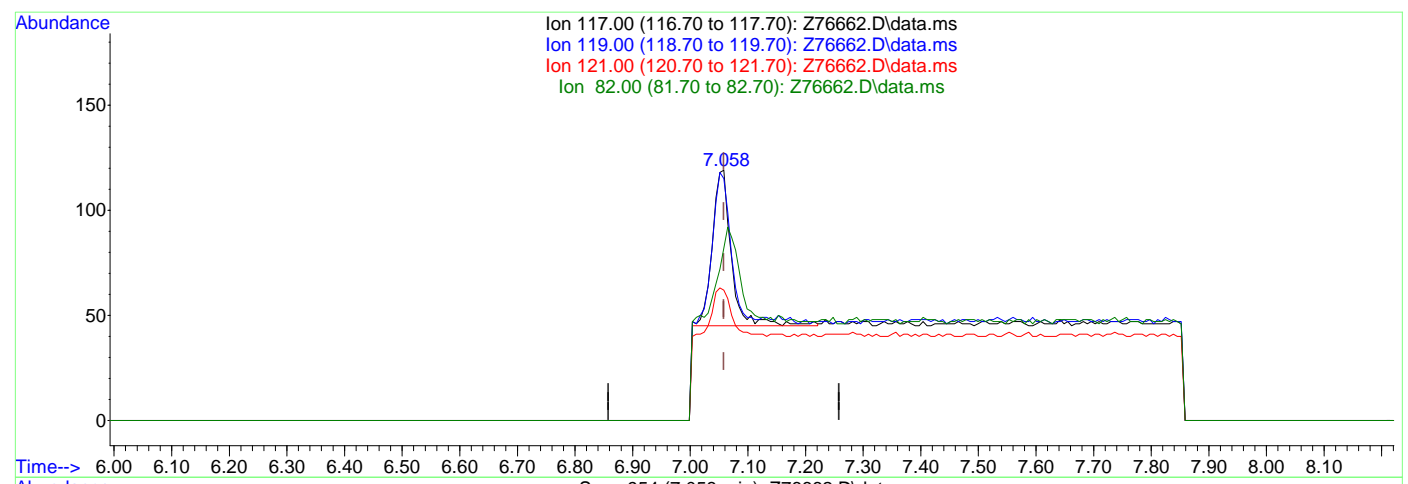
7

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\082924\
Data File : Z76662.D
Acq On : 29 Aug 2024 4:04 pm
Operator : claudias
Sample : FC18340-5
Misc : MS57383,VZ3086,,,,,
ALS Vial : 23 Sample Multiplier: 1

Inst : MSVOA15-Z

Quant Time: Aug 30 06:22:16 2024
Quant Method : C:\msdchem\1\methods\SIMCL-08-28-2024.M
Quant Title : Standard Methods 6200B
QLast Update : Wed Aug 28 11:30:23 2024
Response via : Initial Calibration



(10) Carbon Tetrachloride ()

7.058min (0.000) 0.06ug/L m

response 171

Ion	Exp%	Act%
117.00	100	100
119.00	96.20	96.64
121.00	31.20	52.10
82.00	20.80	68.91#



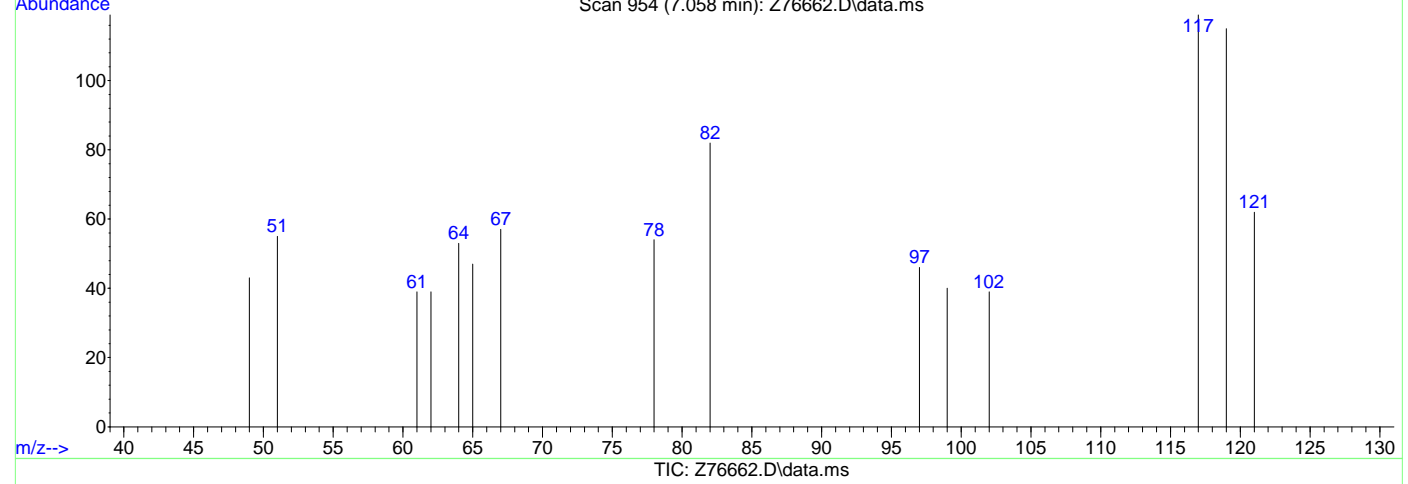
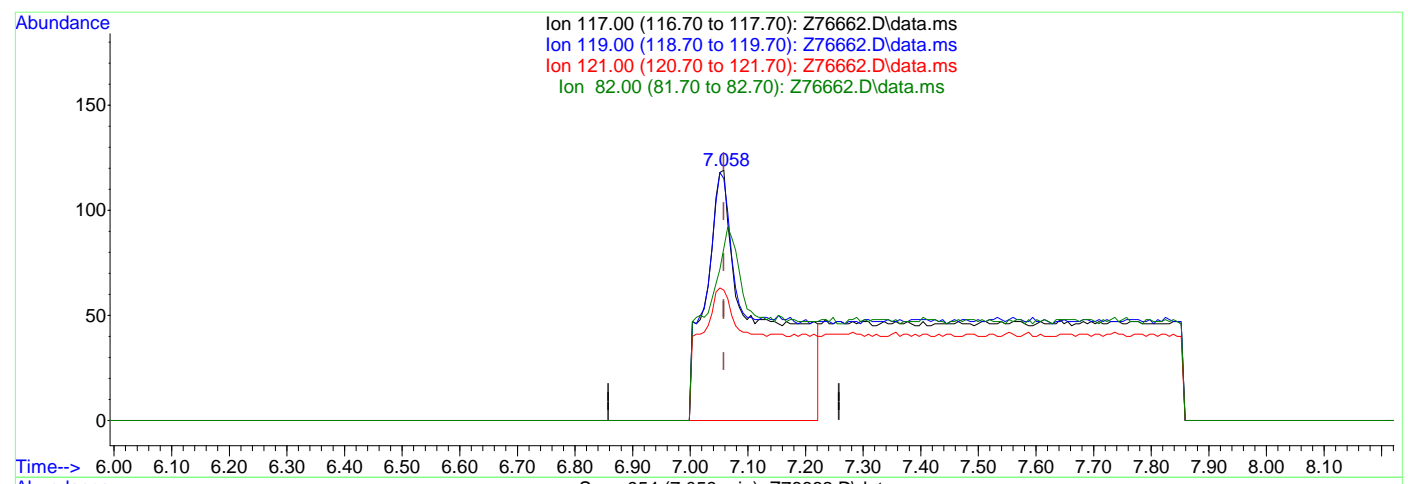
7.1.5.2
7

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\082924\
Data File : Z76662.D
Acq On : 29 Aug 2024 4:04 pm
Operator : claudias
Sample : FC18340-5
Misc : MS57383,VZ3086,,,,,
ALS Vial : 23 Sample Multiplier: 1

Inst : MSVOA15-Z

Quant Time: Aug 30 06:22:16 2024
Quant Method : C:\msdchem\1\methods\SIMCL-08-28-2024.M
Quant Title : Standard Methods 6200B
QLast Update : Wed Aug 28 11:30:23 2024
Response via : Initial Calibration



(10) Carbon Tetrachloride ()

7.058min (0.000) 0.29ug/L

response 768

Ion	Exp%	Act%
117.00	100	100
119.00	96.20	96.64
121.00	31.20	52.10
82.00	20.80	68.91#



7.1.5.3
7

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\082924\
Data File : Z76663.D
Acq On : 29 Aug 2024 4:27 pm
Operator : claudias
Sample : FC18340-6 Inst : MSVOA15-Z
Misc : MS57383,VZ3086,,,,,
ALS Vial : 24 Sample Multiplier: 1

Quant Time: Aug 30 08:44:28 2024
Quant Method : C:\msdchem\1\methods\SIMCL-08-28-2024.M
Quant Title : Standard Methods 6200B
QLast Update : Wed Aug 28 11:30:23 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	

Internal Standards							
1) Fluorobenzene	7.895	96	20872	5.00	ug/L	0.00	
18) Chlorobenzene-d5	10.981	117	23229	5.00	ug/L	0.00	
System Monitoring Compounds							
13) 1,2-Dichloroethane-d4	7.628	65	6784	5.37	ug/L	0.00	
Spiked Amount	5.000	Range 74 - 125	Recovery	=	107.40%		
19) Toluene-d8	9.428	98	25106	4.85	ug/L	0.00	
Spiked Amount	5.000	Range 88 - 111	Recovery	=	97.00%		
Target Compounds							
5) Methylene Chloride	5.208	49	214	0.07	ug/L		Qvalue 92
9) Chloroform	6.883	83	267m	0.07	ug/L		
10) Carbon Tetrachloride	7.051	117	430m	0.16	ug/L		
15) Trichloroethene	8.061	95	1790	1.07	ug/L		90
21) Tetrachloroethene	9.874	166	354	0.20	ug/L #		91

(#) = qualifier out of range (m) = manual integration (+) = signals summed

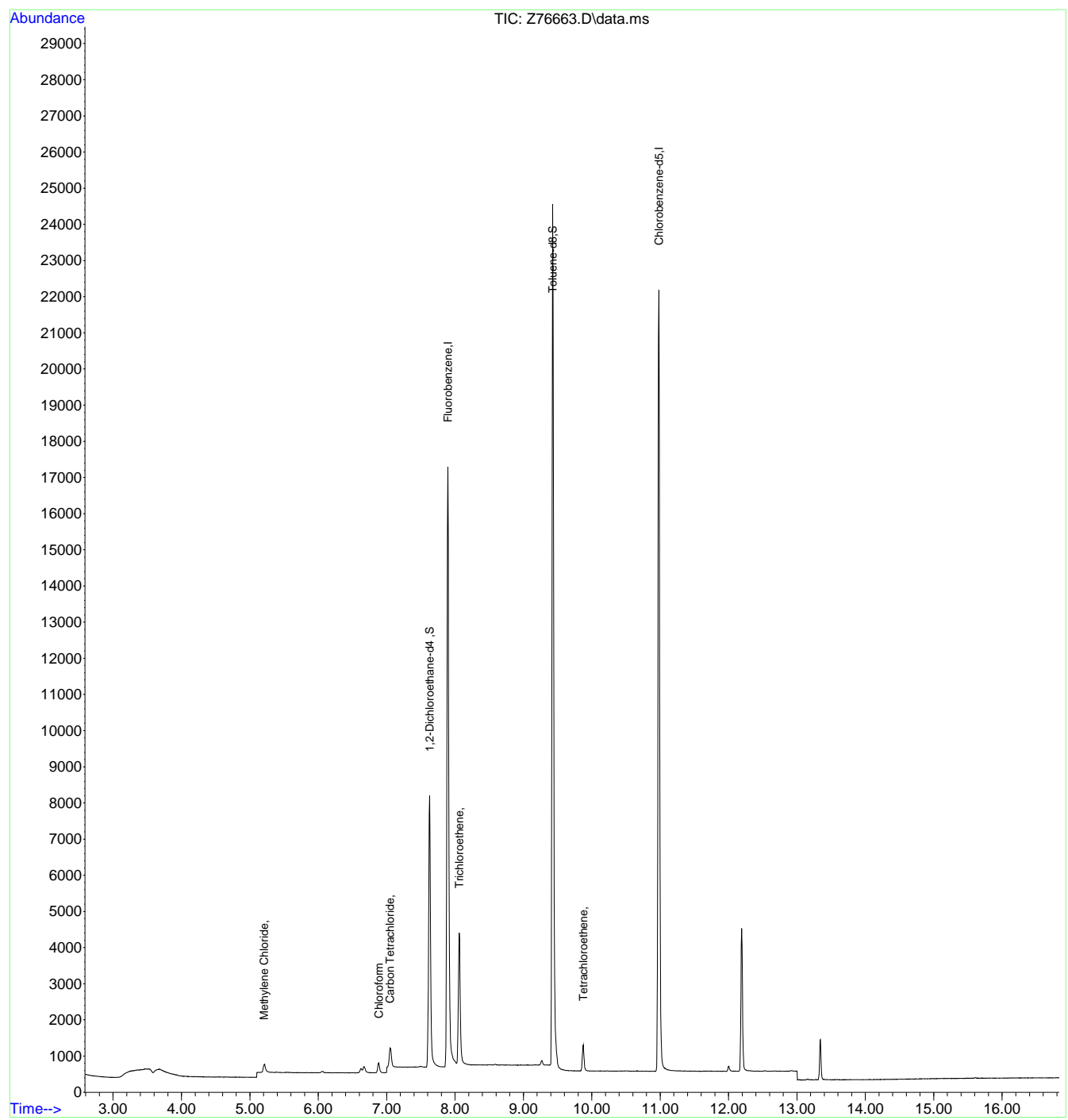
7.1.6
7



Quantitation Report (QT Reviewed)

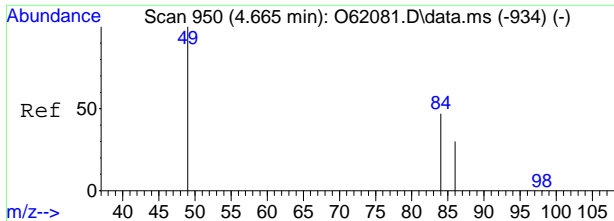
Data Path : C:\msdchem\1\data\082924\
Data File : Z76663.D
Acq On : 29 Aug 2024 4:27 pm
Operator : claudias
Sample : FC18340-6 Inst : MSVOA15-Z
Misc : MS57383,VZ3086,,,,,
ALS Vial : 24 Sample Multiplier: 1

Quant Time: Aug 30 08:44:28 2024
Quant Method : C:\msdchem\1\methods\SIMCL-08-28-2024.M
Quant Title : Standard Methods 6200B
QLast Update : Wed Aug 28 11:30:23 2024
Response via : Initial Calibration



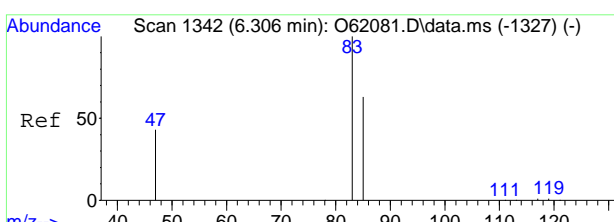
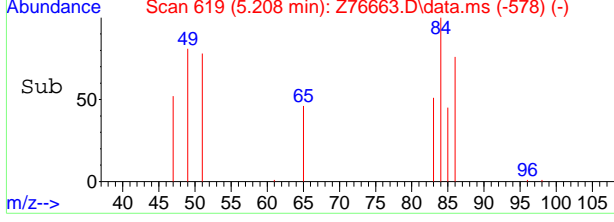
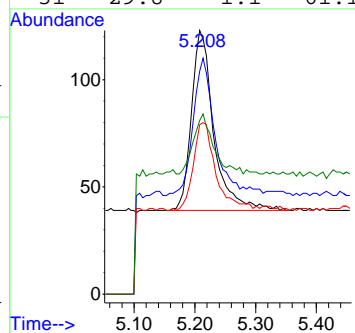
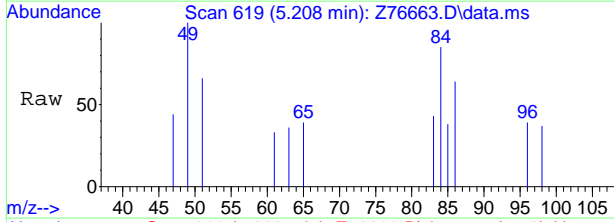
7.1.6
7





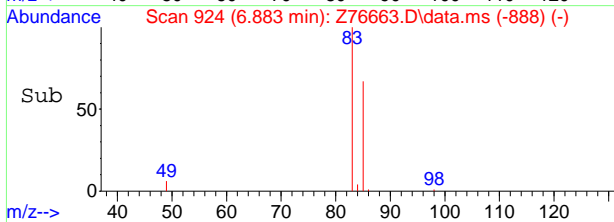
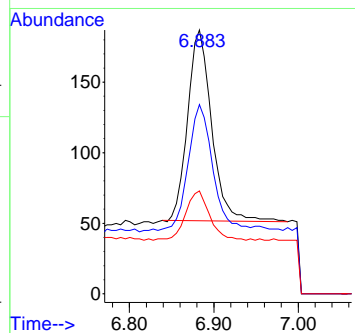
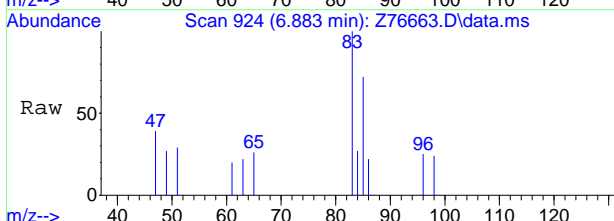
#5
 Methylene Chloride
 Concen: 0.07 ug/L
 RT: 5.208 min Scan# 619
 Delta R.T. -0.005 min
 Lab File: Z76663.D
 Acq: 29 Aug 2024 4:27 pm

Tgt Ion	Ratio	Lower	Upper
49	100		
84	69.0	49.7	109.7
86	47.6	22.0	82.0
51	29.8	1.1	61.1



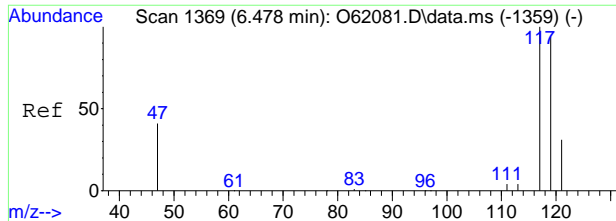
#9
 Chloroform
 Concen: 0.07 ug/L m
 RT: 6.883 min Scan# 924
 Delta R.T. 0.000 min
 Lab File: Z76663.D
 Acq: 29 Aug 2024 4:27 pm

Tgt Ion	Ratio	Lower	Upper
83	100		
85	71.7	35.9	95.9
47	39.0	0.0	51.0



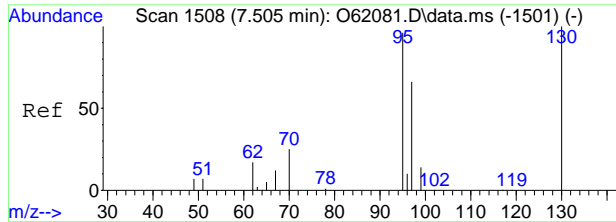
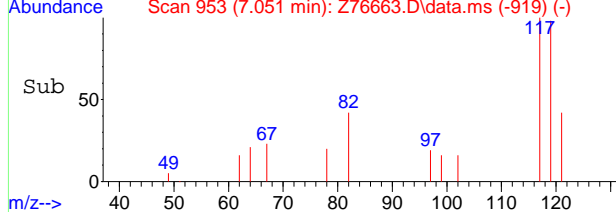
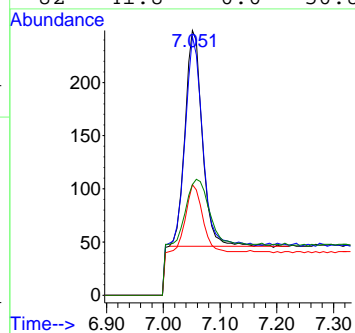
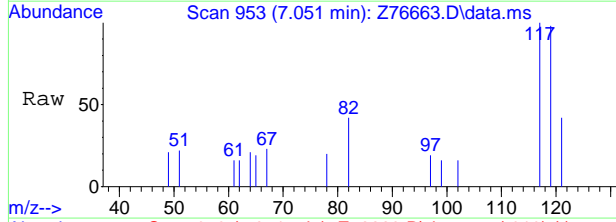
7.1.6
7





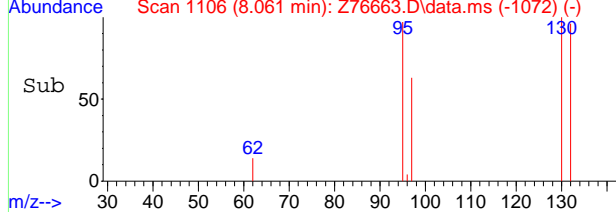
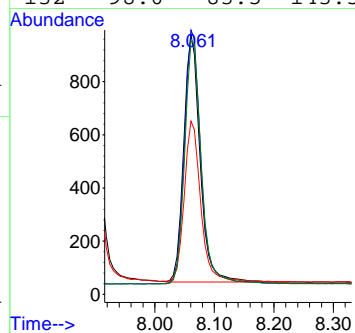
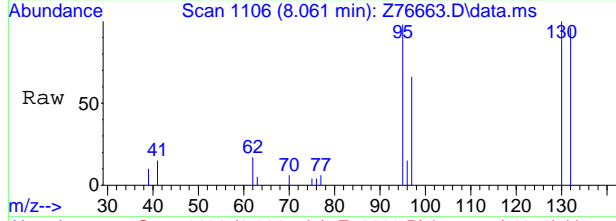
#10
 Carbon Tetrachloride
 Concen: 0.16 ug/L m
 RT: 7.051 min Scan# 953
 Delta R.T. -0.007 min
 Lab File: Z76663.D
 Acq: 29 Aug 2024 4:27 pm

Tgt Ion	Resp	Lower	Upper
117	430		
119	97.6	66.2	126.2
121	41.8	1.2	61.2
82	41.8	0.0	50.8



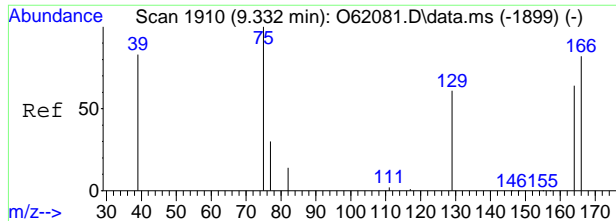
#15
 Trichloroethene
 Concen: 1.07 ug/L
 RT: 8.061 min Scan# 1106
 Delta R.T. -0.000 min
 Lab File: Z76663.D
 Acq: 29 Aug 2024 4:27 pm

Tgt Ion	Resp	Lower	Upper
95	1790		
95	100		
130	102.5	84.5	144.5
97	64.7	36.4	96.4
132	98.0	83.5	143.5

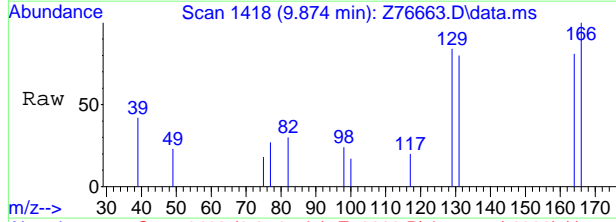


7.1.6
7



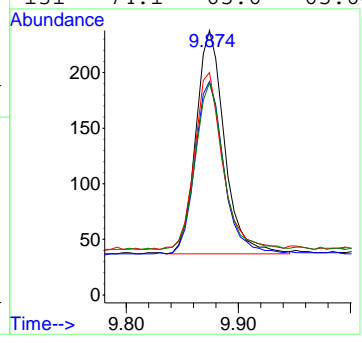
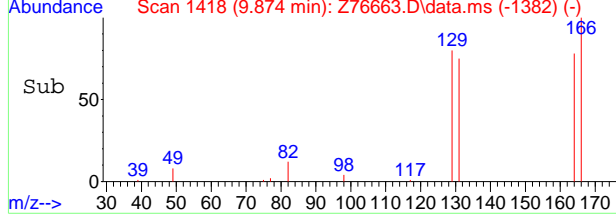


#21
 Tetrachloroethene
 Concen: 0.20 ug/L
 RT: 9.874 min Scan# 1418
 Delta R.T. 0.000 min
 Lab File: Z76663.D
 Acq: 29 Aug 2024 4:27 pm



Tgt Ion: 166 Resp: 354

Ion	Ratio	Lower	Upper
166	100		
164	77.1	47.5	107.5
129	78.1	34.2	94.2
131	74.1	65.6	65.6#



7.1.6
7



Manual Integration Approval Summary

Sample Number: FC18340-6 **Method:** SW846 8260D BY SIM
Lab FileID: Z76663.D **Analyst approved:** 08/30/24 09:16 Claudia Sosa
Injection Time: 08/29/24 16:27 **Supervisor approved:** 08/30/24 11:55 Karen Watson

Parameter	CAS	Sig#	R.T. (min.)	Reason
Chloroform	67-66-3		6.88	Poor instrument integration
Carbon Tetrachloride	56-23-5		7.05	Poor instrument integration

7.1.6.1

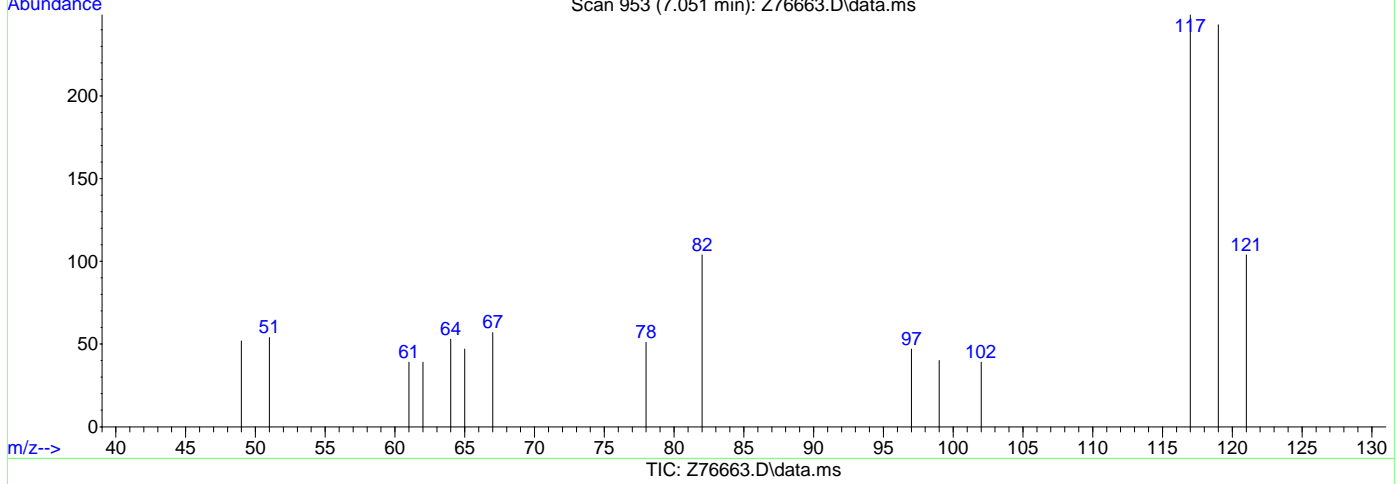
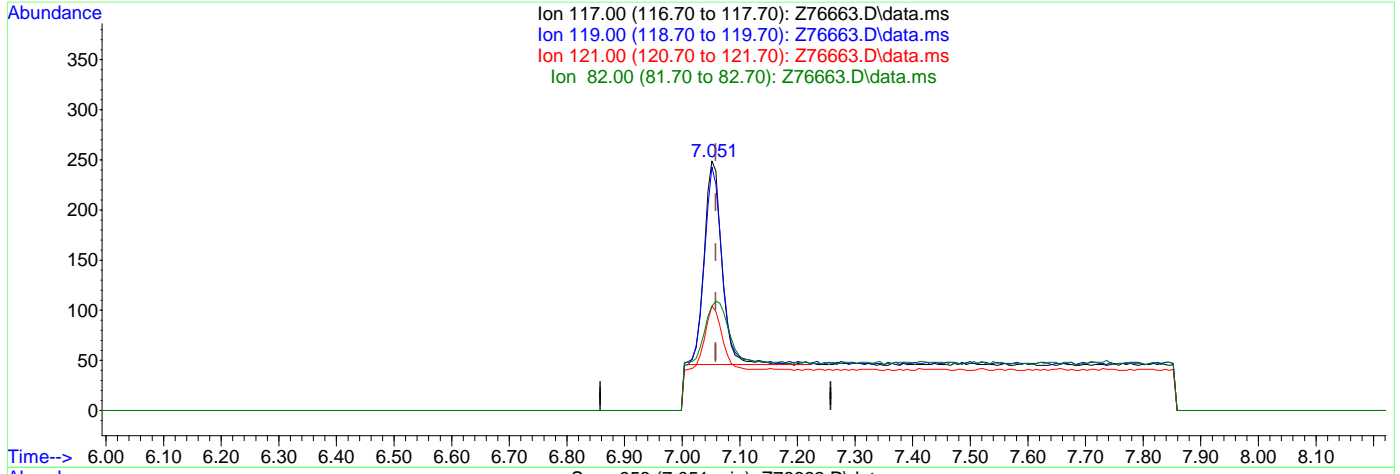
7

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\082924\
Data File : Z76663.D
Acq On : 29 Aug 2024 4:27 pm
Operator : claudias
Sample : FC18340-6
Misc : MS57383,VZ3086,,,,,
ALS Vial : 24 Sample Multiplier: 1

Inst : MSVOA15-Z

Quant Time: Aug 30 06:22:18 2024
Quant Method : C:\msdchem\1\methods\SIMCL-08-28-2024.M
Quant Title : Standard Methods 6200B
QLast Update : Wed Aug 28 11:30:23 2024
Response via : Initial Calibration



(10) Carbon Tetrachloride ()

7.051min (-0.007) 0.16ug/L m

response 430

Ion	Exp%	Act%
117.00	100	100
119.00	96.20	97.59
121.00	31.20	41.77
82.00	20.80	41.77



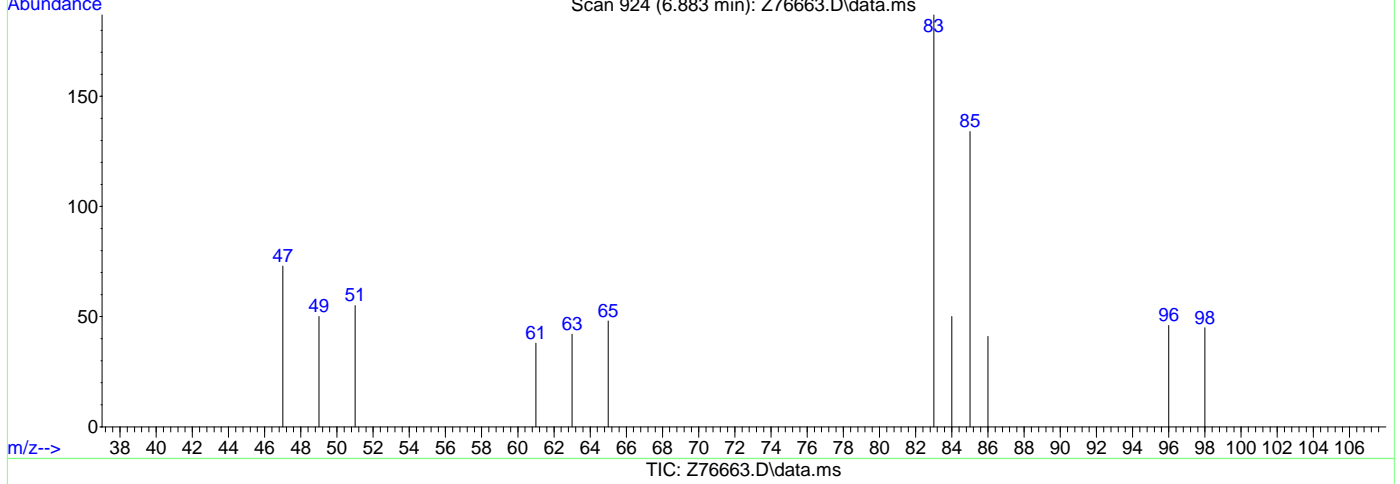
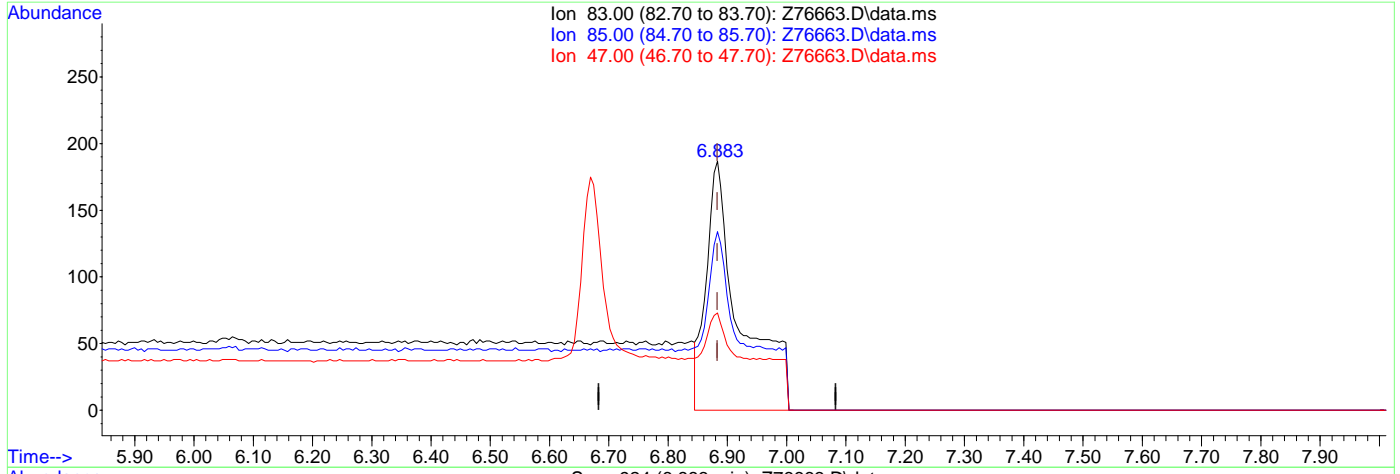
7.1.6.2
7

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\082924\
Data File : Z76663.D
Acq On : 29 Aug 2024 4:27 pm
Operator : claudias
Sample : FC18340-6
Misc : MS57383,VZ3086,,,,,
ALS Vial : 24 Sample Multiplier: 1

Inst : MSVOA15-Z

Quant Time: Aug 30 06:22:18 2024
Quant Method : C:\msdchem\1\methods\SIMCL-08-28-2024.M
Quant Title : Standard Methods 6200B
QLast Update : Wed Aug 28 11:30:23 2024
Response via : Initial Calibration



(9) Chloroform
6.883min (+0.000) 0.20ug/L
response 749

Ion	Exp%	Act%
83.00	100	100
85.00	65.90	71.66
47.00	21.00	39.04
0.00	0.00	0.00



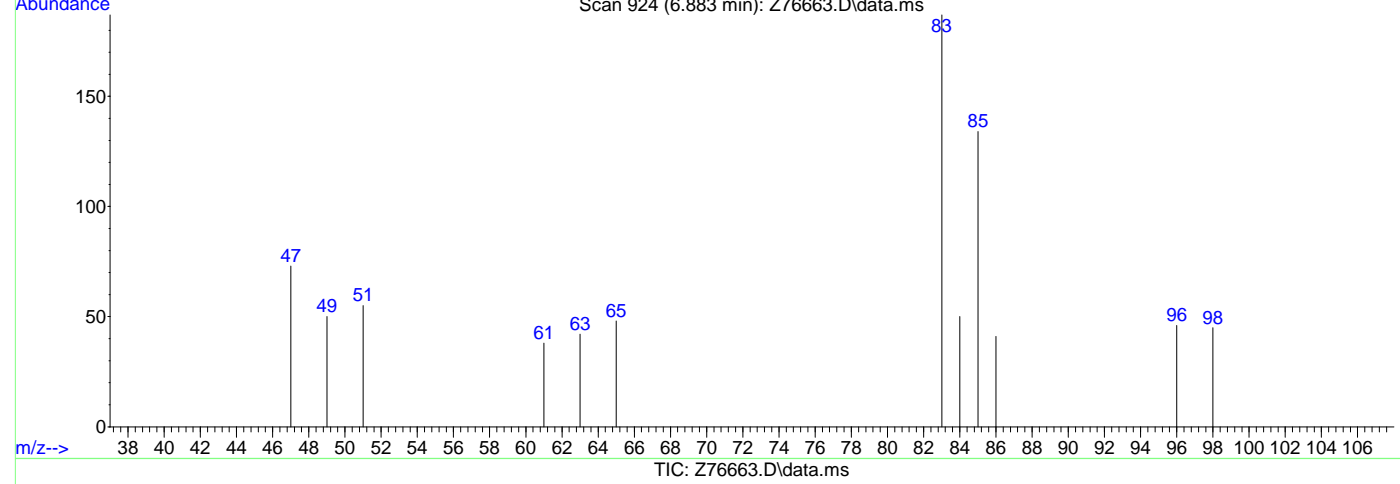
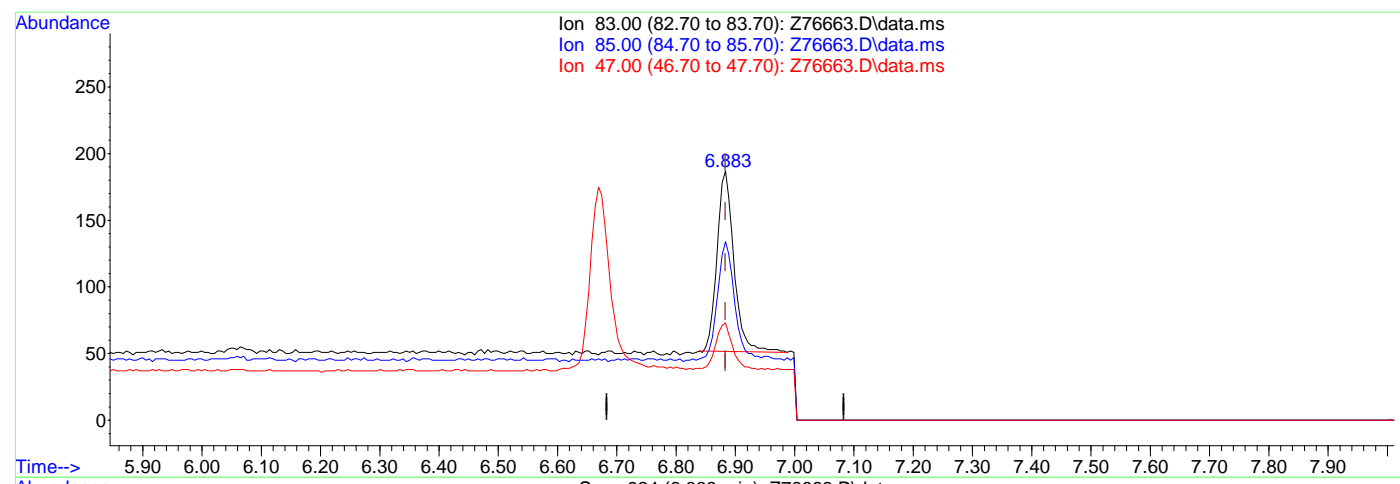
7.1.6.3
7

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\082924\
Data File : Z76663.D
Acq On : 29 Aug 2024 4:27 pm
Operator : claudias
Sample : FC18340-6
Misc : MS57383,VZ3086,,,,,
ALS Vial : 24 Sample Multiplier: 1

Inst : MSVOA15-Z

Quant Time: Aug 30 06:22:18 2024
Quant Method : C:\msdchem\1\methods\SIMCL-08-28-2024.M
Quant Title : Standard Methods 6200B
QLast Update : Wed Aug 28 11:30:23 2024
Response via : Initial Calibration



(9) Chloroform

6.883min (+0.000) 0.07ug/L m

response 267

Ion	Exp%	Act%
83.00	100	100
85.00	65.90	71.66
47.00	21.00	39.04
0.00	0.00	0.00



7.1.6.4
7

Manual Integrations
APPROVED
 (compounds with "m" flag)
 Karen Watson
 08/30/24 11:55

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\082924\
 Data File : Z76664.D
 Acq On : 29 Aug 2024 4:50 pm
 Operator : claudias
 Sample : FC18340-7 Inst : MSVOA15-Z
 Misc : MS57383,VZ3086,,,,,
 ALS Vial : 25 Sample Multiplier: 1

Quant Time: Aug 30 08:46:02 2024
 Quant Method : C:\msdchem\1\methods\SIMCL-08-28-2024.M
 Quant Title : Standard Methods 6200B
 QLast Update : Wed Aug 28 11:30:23 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	

Internal Standards							
1) Fluorobenzene	7.894	96	20297	5.00	ug/L	0.00	
18) Chlorobenzene-d5	10.980	117	22765	5.00	ug/L	0.00	
System Monitoring Compounds							
13) 1,2-Dichloroethane-d4	7.628	65	6753	5.49	ug/L	0.00	
Spiked Amount	5.000	Range	74 - 125	Recovery	=	109.80%	
19) Toluene-d8	9.428	98	24568	4.84	ug/L	0.00	
Spiked Amount	5.000	Range	88 - 111	Recovery	=	96.80%	
Target Compounds							
5) Methylene Chloride	5.208	49	206	0.07	ug/L		Qvalue 90
9) Chloroform	6.883	83	493m	0.14	ug/L		
10) Carbon Tetrachloride	7.051	117	2457m	0.92	ug/L		
15) Trichloroethene	8.060	95	53	0.03	ug/L		89

(#) = qualifier out of range (m) = manual integration (+) = signals summed

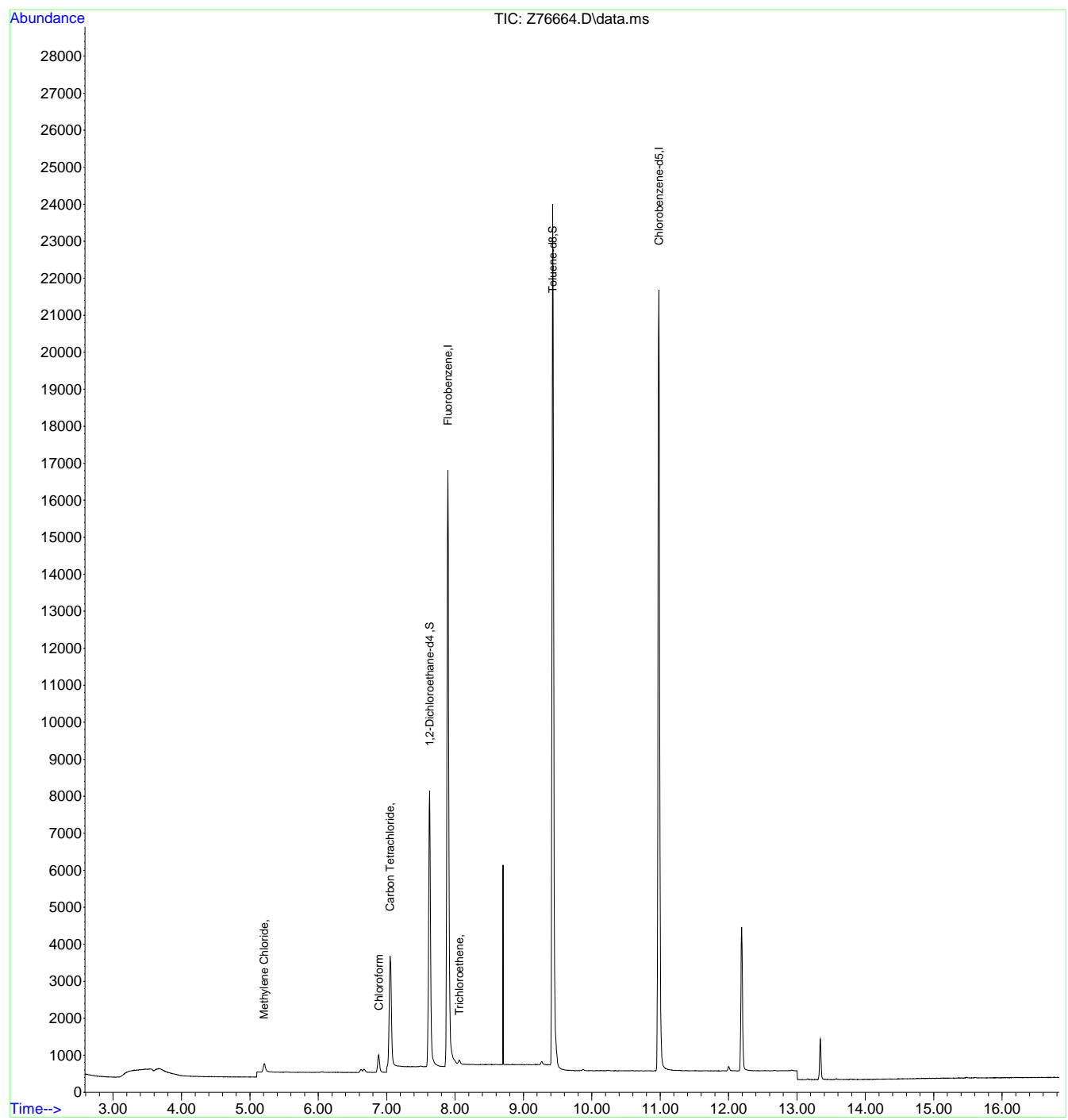
7.17
7



Quantitation Report (QT Reviewed)

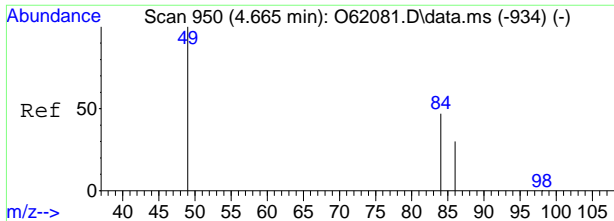
Data Path : C:\msdchem\1\data\082924\
Data File : Z76664.D
Acq On : 29 Aug 2024 4:50 pm
Operator : claudias
Sample : FC18340-7 Inst : MSVOA15-Z
Misc : MS57383,VZ3086,,,,,
ALS Vial : 25 Sample Multiplier: 1

Quant Time: Aug 30 08:46:02 2024
Quant Method : C:\msdchem\1\methods\SIMCL-08-28-2024.M
Quant Title : Standard Methods 6200B
QLast Update : Wed Aug 28 11:30:23 2024
Response via : Initial Calibration



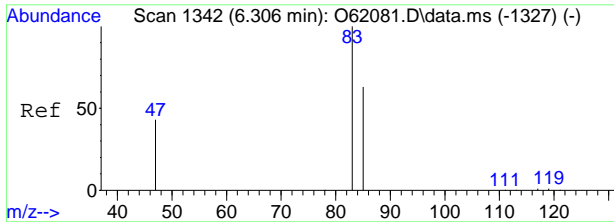
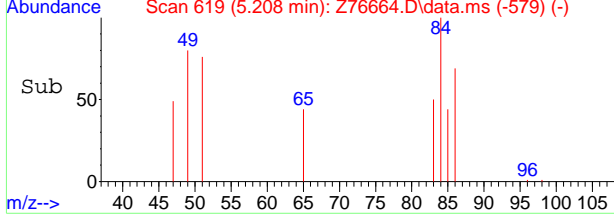
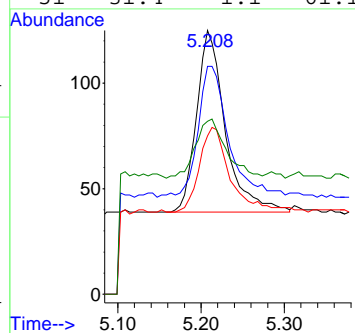
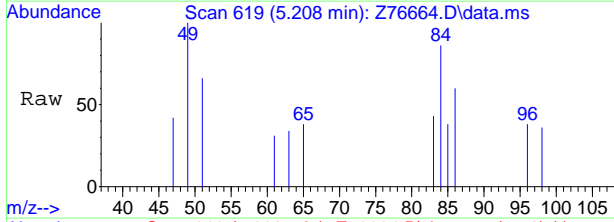
7.17
7





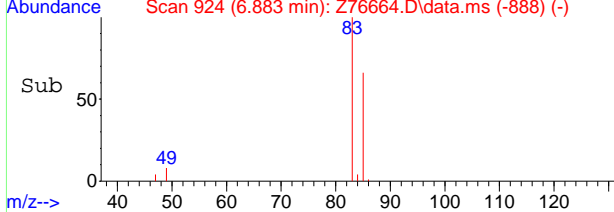
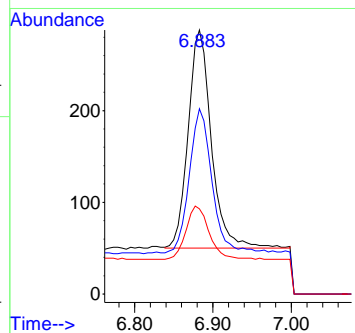
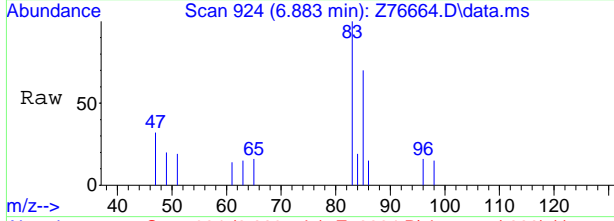
#5
 Methylene Chloride
 Concen: 0.07 ug/L
 RT: 5.208 min Scan# 619
 Delta R.T. -0.005 min
 Lab File: Z76664.D
 Acq: 29 Aug 2024 4:50 pm

Tgt Ion	Ratio	Lower	Upper
49	100		
84	70.9	49.7	109.7
86	41.9	22.0	82.0
51	31.4	1.1	61.1



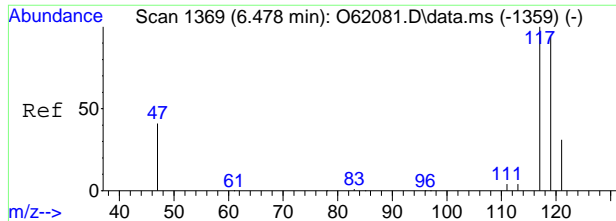
#9
 Chloroform
 Concen: 0.14 ug/L m
 RT: 6.883 min Scan# 924
 Delta R.T. -0.000 min
 Lab File: Z76664.D
 Acq: 29 Aug 2024 4:50 pm

Tgt Ion	Ratio	Lower	Upper
83	100		
85	70.1	35.9	95.9
47	32.3	0.0	51.0



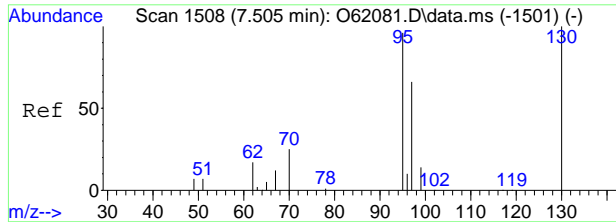
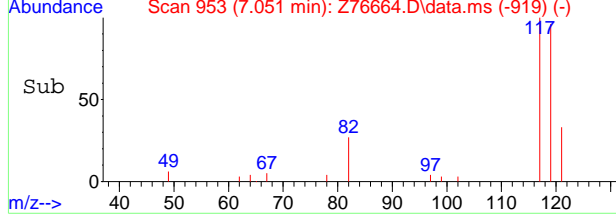
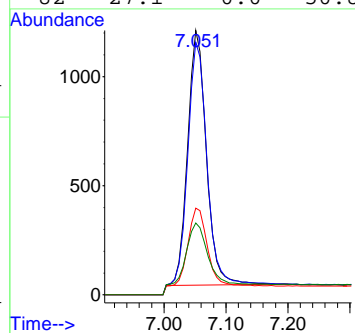
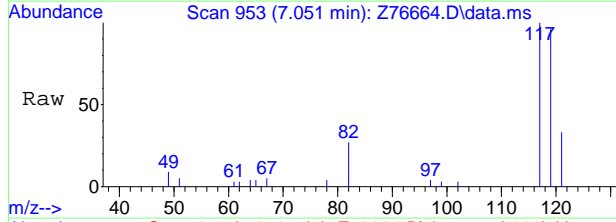
7.17
7





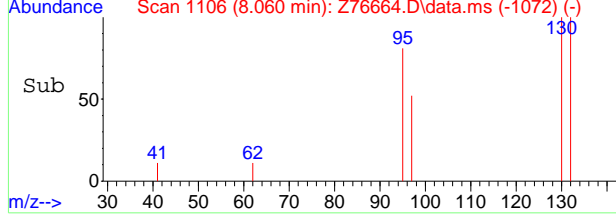
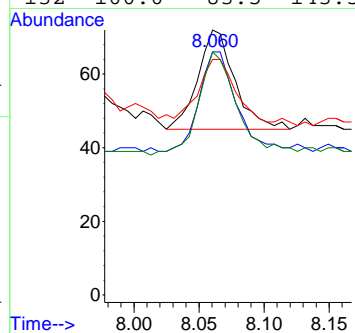
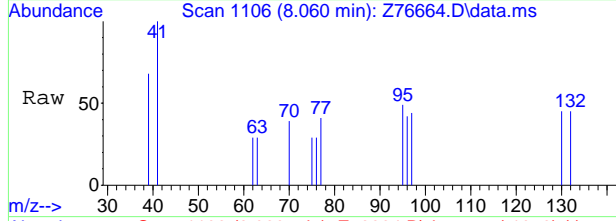
#10
 Carbon Tetrachloride
 Concen: 0.92 ug/L m
 RT: 7.051 min Scan# 953
 Delta R.T. -0.007 min
 Lab File: Z76664.D
 Acq: 29 Aug 2024 4:50 pm

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.5	66.2	126.2
121	32.8	1.2	61.2
82	27.1	0.0	50.8



#15
 Trichloroethene
 Concen: 0.03 ug/L
 RT: 8.060 min Scan# 1106
 Delta R.T. -0.001 min
 Lab File: Z76664.D
 Acq: 29 Aug 2024 4:50 pm

Tgt Ion	Ratio	Lower	Upper
95	100		
130	100.0	84.5	144.5
97	63.0	36.4	96.4
132	100.0	83.5	143.5



7.17



Manual Integration Approval Summary

Sample Number: FC18340-7 **Method:** SW846 8260D BY SIM
Lab FileID: Z76664.D **Analyst approved:** 08/30/24 09:16 Claudia Sosa
Injection Time: 08/29/24 16:50 **Supervisor approved:** 08/30/24 11:55 Karen Watson

Parameter	CAS	Sig#	R.T. (min.)	Reason
Chloroform	67-66-3		6.88	Poor instrument integration
Carbon Tetrachloride	56-23-5		7.05	Poor instrument integration

7.1.7.1

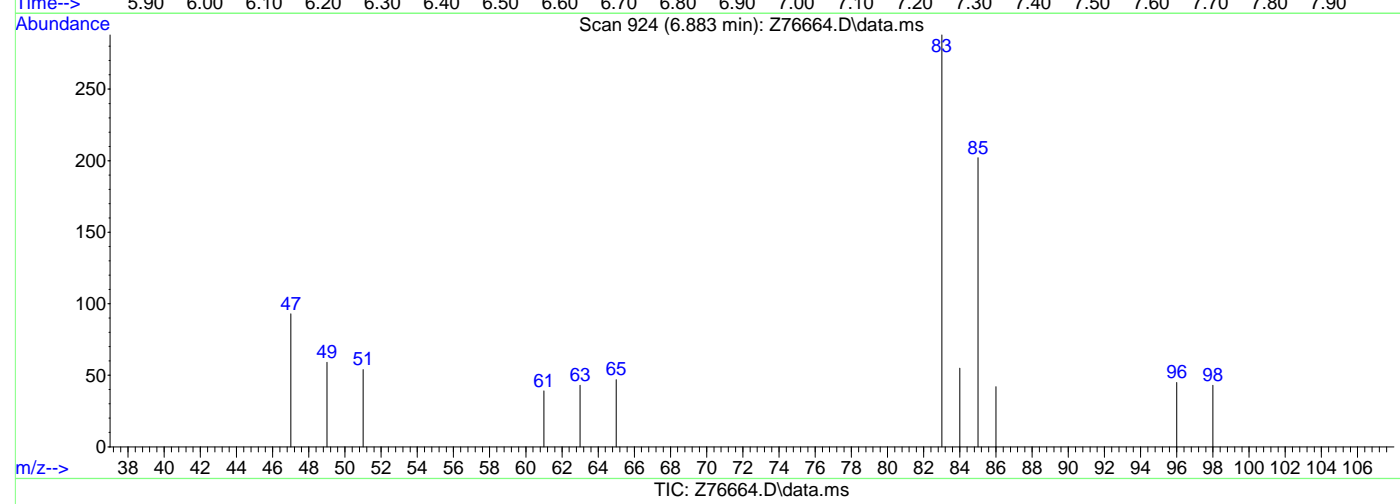
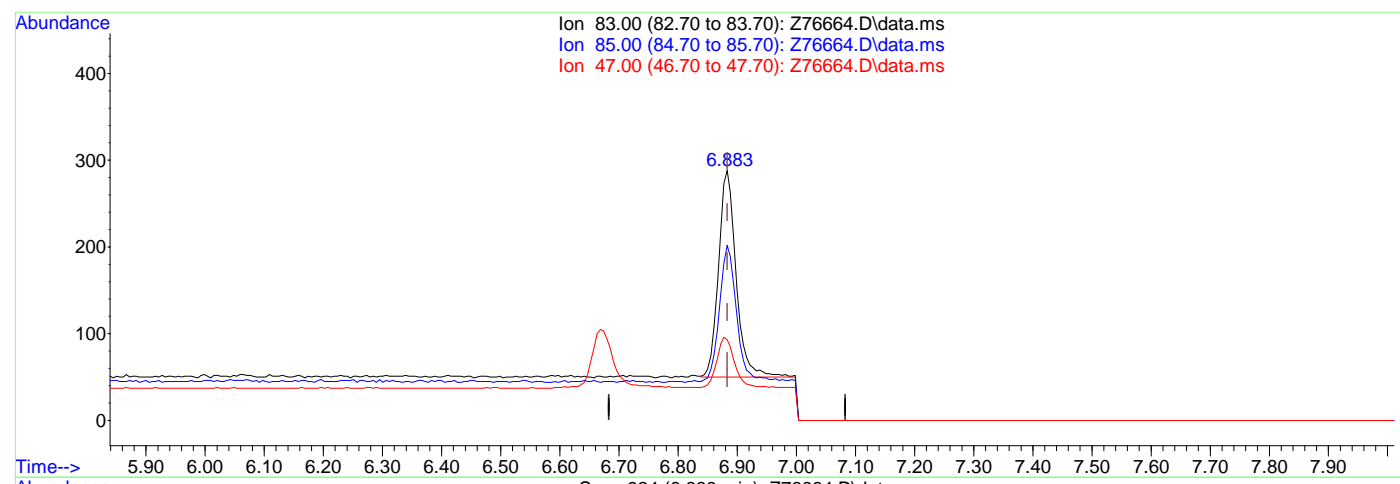
7

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\082924\
Data File : Z76664.D
Acq On : 29 Aug 2024 4:50 pm
Operator : claudias
Sample : FC18340-7
Misc : MS57383,VZ3086,,,,,
ALS Vial : 25 Sample Multiplier: 1

Inst : MSVOA15-Z

Quant Time: Aug 30 06:22:20 2024
Quant Method : C:\msdchem\1\methods\SIMCL-08-28-2024.M
Quant Title : Standard Methods 6200B
QLast Update : Wed Aug 28 11:30:23 2024
Response via : Initial Calibration



(9) Chloroform

6.883min (-0.000) 0.14ug/L m

response 493

Ion	Exp%	Act%
83.00	100	100
85.00	65.90	70.14
47.00	21.00	32.29
0.00	0.00	0.00



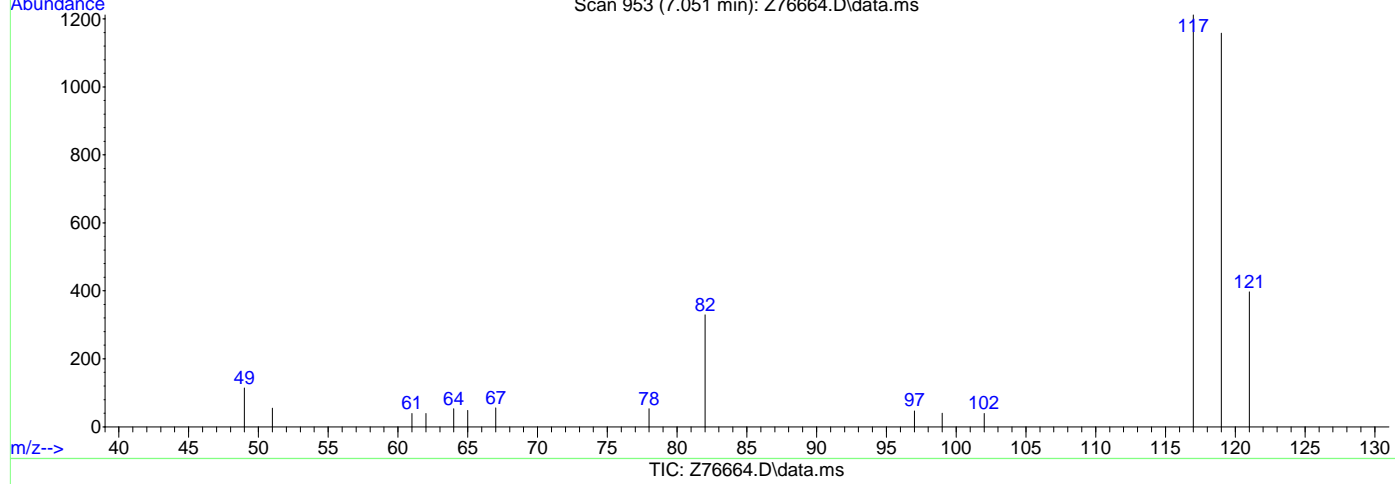
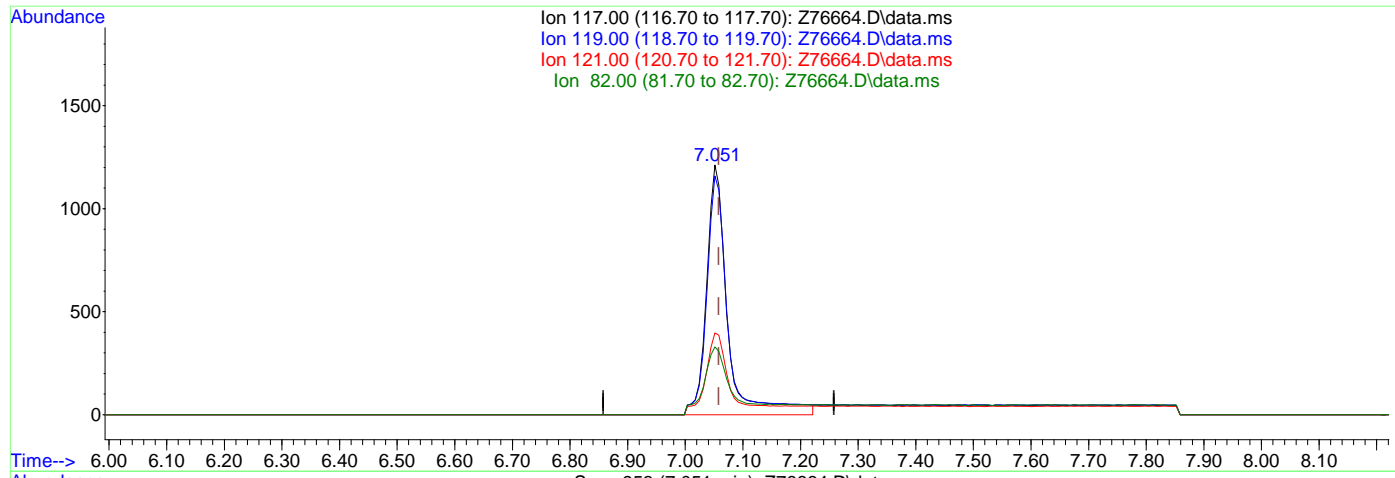
7.1.7.2
7

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\082924\
Data File : Z76664.D
Acq On : 29 Aug 2024 4:50 pm
Operator : claudias
Sample : FC18340-7
Misc : MS57383,VZ3086,,,,,
ALS Vial : 25 Sample Multiplier: 1

Inst : MSVOA15-Z

Quant Time: Aug 30 06:22:20 2024
Quant Method : C:\msdchem\1\methods\SIMCL-08-28-2024.M
Quant Title : Standard Methods 6200B
QLast Update : Wed Aug 28 11:30:23 2024
Response via : Initial Calibration



(10) Carbon Tetrachloride ()

7.051min (-0.007) 1.14ug/L

response 3043

Ion	Exp%	Act%
117.00	100	100
119.00	96.20	95.54
121.00	31.20	32.76
82.00	20.80	27.15



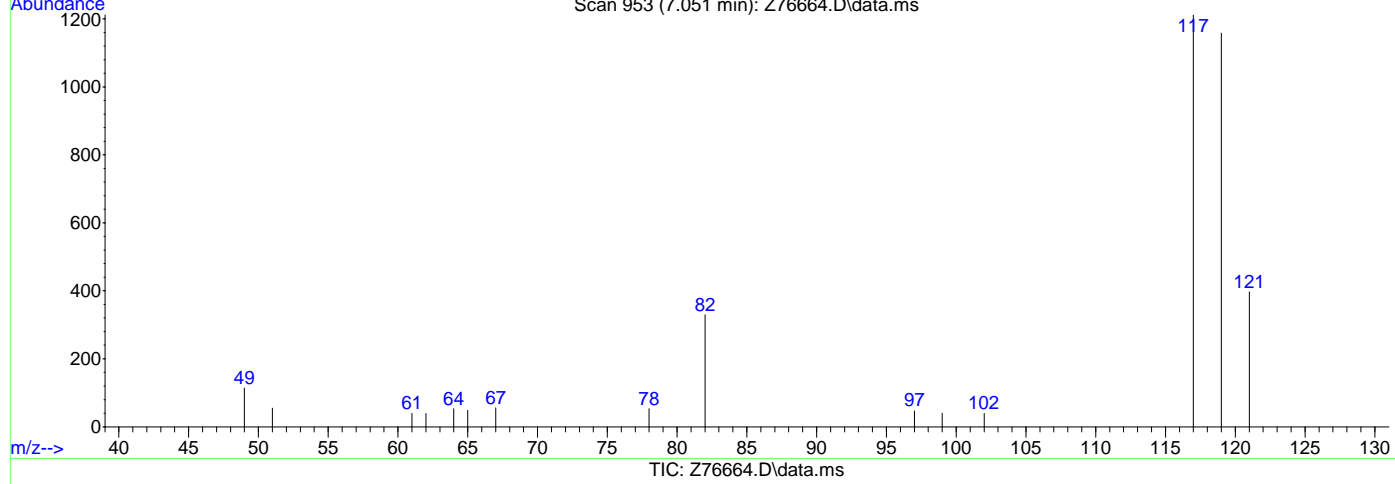
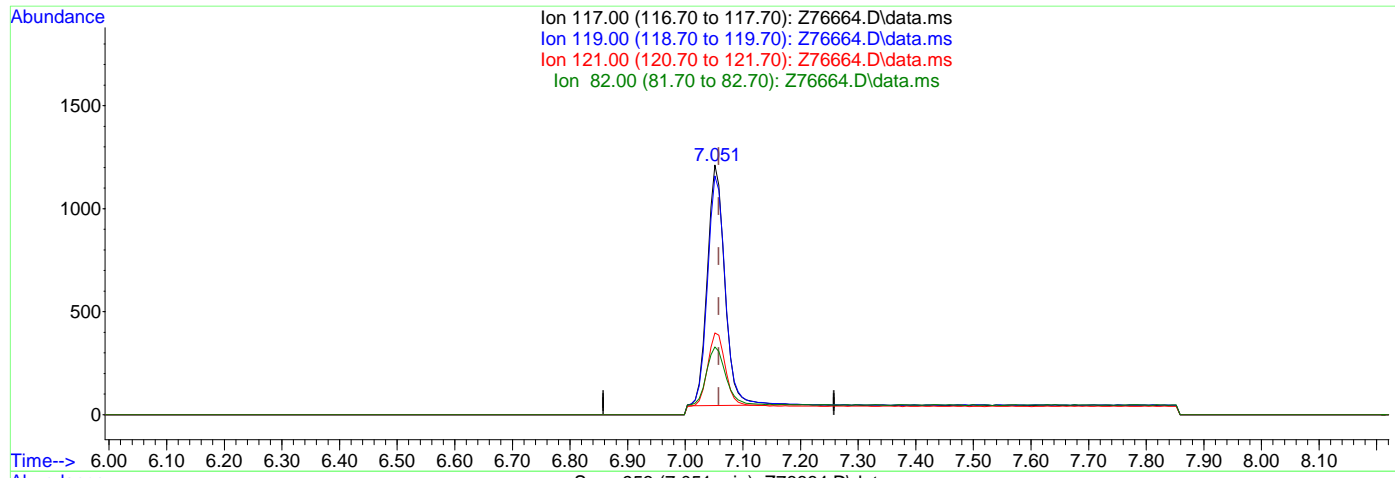
7.1.7.3
7

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\082924\
Data File : Z76664.D
Acq On : 29 Aug 2024 4:50 pm
Operator : claudias
Sample : FC18340-7
Misc : MS57383,VZ3086,,,,,
ALS Vial : 25 Sample Multiplier: 1

Inst : MSVOA15-Z

Quant Time: Aug 30 06:22:20 2024
Quant Method : C:\msdchem\1\methods\SIMCL-08-28-2024.M
Quant Title : Standard Methods 6200B
QLast Update : Wed Aug 28 11:30:23 2024
Response via : Initial Calibration



(10) Carbon Tetrachloride ()

7.051min (-0.007) 0.92ug/L m

response 2457

Ion	Exp%	Act%
117.00	100	100
119.00	96.20	95.54
121.00	31.20	32.76
82.00	20.80	27.15



7.1.7.4
7

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\08-30-24\
 Data File : N0132384.D
 Acq On : 30 Aug 2024 12:36 pm
 Operator : jeniferw
 Sample : FC18340-8
 Misc : MS57392,VN6712,,,,,
 ALS Vial : 15 Sample Multiplier: 1

Quant Time: Sep 03 10:10:13 2024
 Quant Method : C:\msdchem\1\methods\SIMCL_VN6705_082024.M
 Quant Title : Standard Methods 6200B
 QLast Update : Tue Aug 20 14:01:28 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	Qvalue

Internal Standards							
1) Fluorobenzene	6.341	96	49847	5.00	ug/L	0.00	
18) Chlorobenzene-d5	9.519	117	32058	5.00	ug/L	0.00	
System Monitoring Compounds							
13) 1,2-Dichloroethane-d4	6.045	65	23677	5.52	ug/L	0.00	
Spiked Amount	5.000	Range 74 - 125	Recovery	=	110.40%		
19) Toluene-d8	7.950	98	36615	5.17	ug/L	0.00	
Spiked Amount	5.000	Range 88 - 111	Recovery	=	103.40%		
Target Compounds							
3) Chloromethane	1.982	50	286	0.19	ug/L	95	
5) Methylene Chloride	3.718	49	2868	1.24	ug/L	96	
9) Chloroform	5.303	83	369m	0.20	ug/L		
10) Carbon Tetrachloride	5.466	117	906	1.22	ug/L	98	

(#) = qualifier out of range (m) = manual integration (+) = signals summed

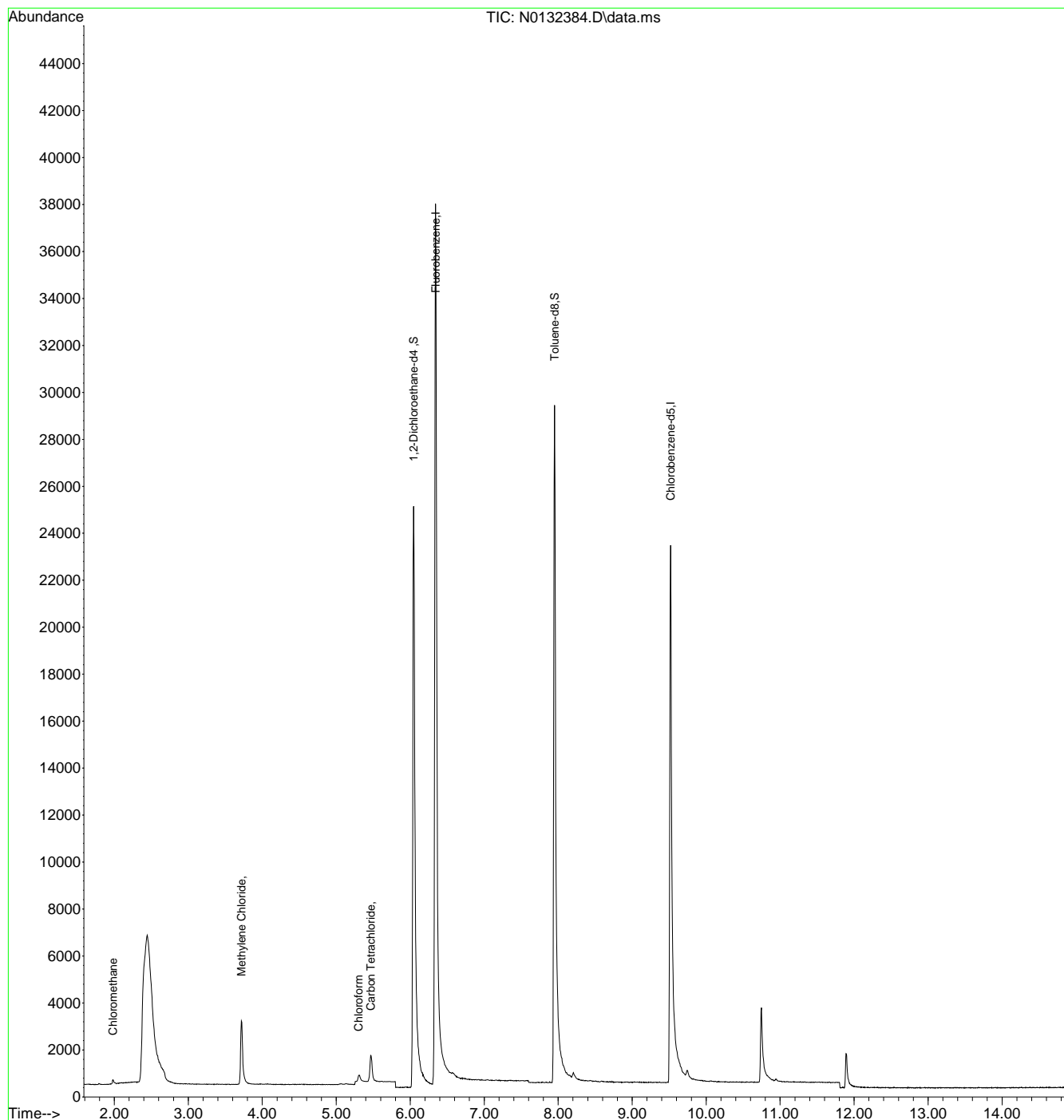
7.1.8
7



Quantitation Report (QT Reviewed)

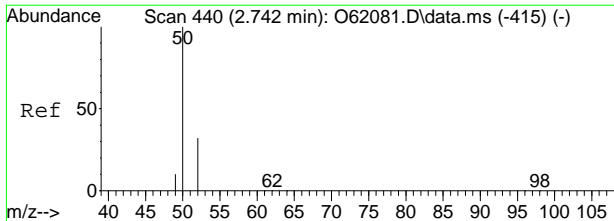
Data Path : C:\msdchem\1\data\08-30-24\
Data File : N0132384.D
Acq On : 30 Aug 2024 12:36 pm
Operator : jeniferw
Sample : FC18340-8
Misc : MS57392,VN6712,,,,,
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Sep 03 10:10:13 2024
Quant Method : C:\msdchem\1\methods\SIMCL_VN6705_082024.M
Quant Title : Standard Methods 6200B
QLast Update : Tue Aug 20 14:01:28 2024
Response via : Initial Calibration



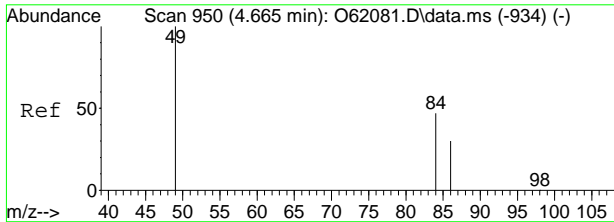
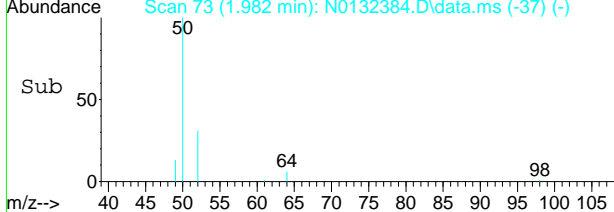
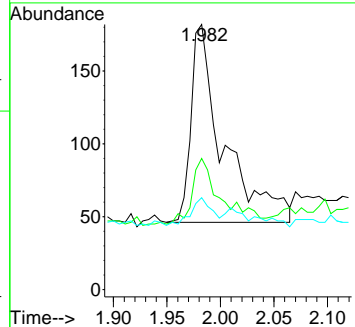
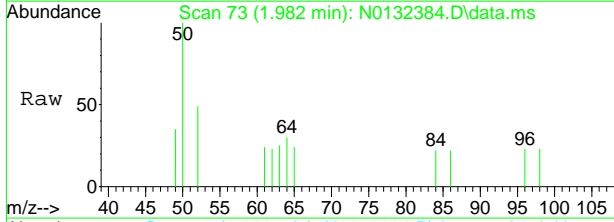
7.1.8
7





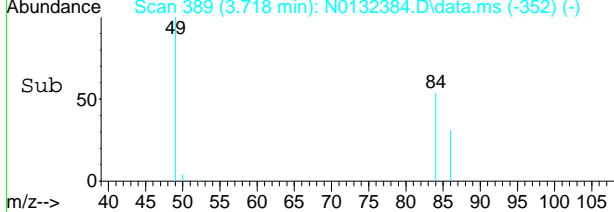
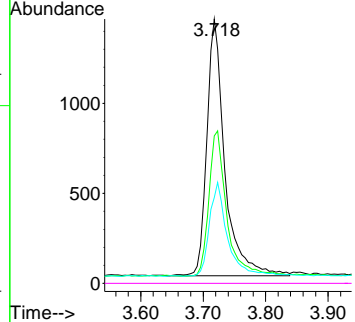
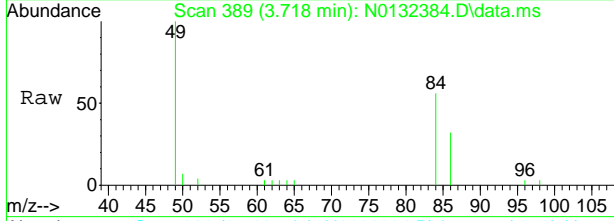
#3
 Chloromethane
 Concen: 0.19 ug/L
 RT: 1.982 min Scan# 73
 Delta R.T. 0.000 min
 Lab File: N0132384.D
 Acq: 30 Aug 2024 12:36 pm

Tgt Ion	Ratio	Lower	Upper
50	100		
52	33.1	2.1	62.1
49	14.7	0.0	39.6

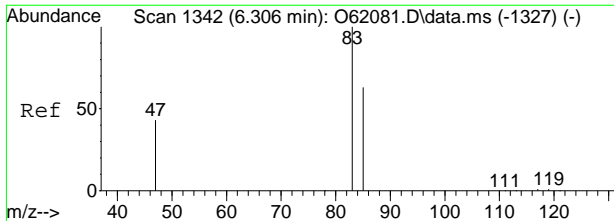


#5
 Methylene Chloride
 Concen: 1.24 ug/L
 RT: 3.718 min Scan# 389
 Delta R.T. 0.006 min
 Lab File: N0132384.D
 Acq: 30 Aug 2024 12:36 pm

Tgt Ion	Ratio	Lower	Upper
49	100		
84	54.2	20.0	80.0
86	30.6	0.4	60.4
51	0.0	0.0	30.0

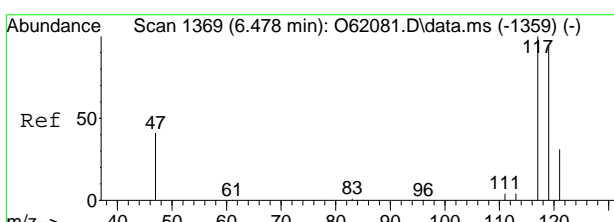
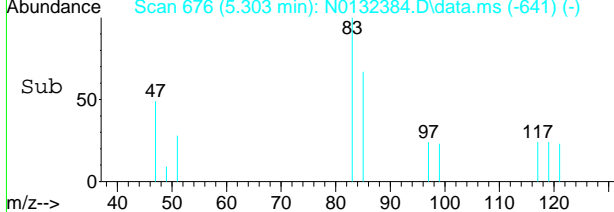
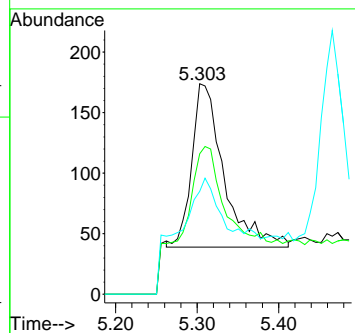
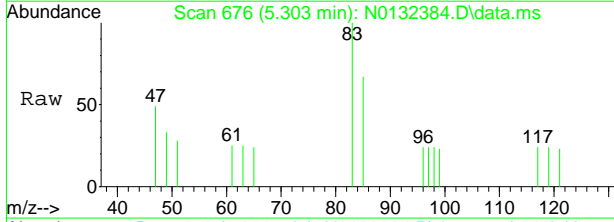


7.18
7



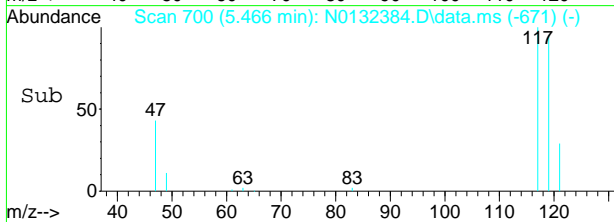
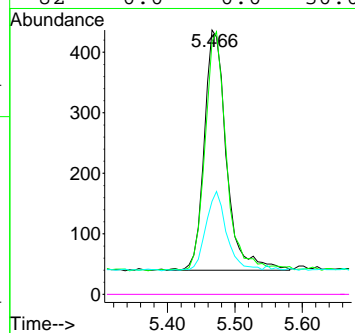
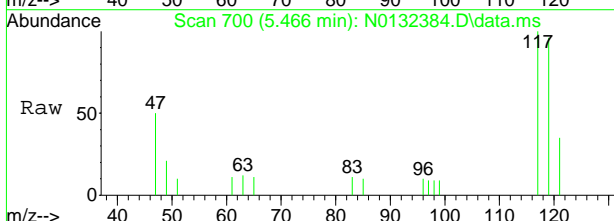
#9
 Chloroform
 Concen: 0.20 ug/L m
 RT: 5.303 min Scan# 676
 Delta R.T. 0.000 min
 Lab File: N0132384.D
 Acq: 30 Aug 2024 12:36 pm

Tgt Ion	Resp	Lower	Upper
83	369		
85	66.7	36.3	96.3
47	48.9	2.6	62.6



#10
 Carbon Tetrachloride
 Concen: 1.22 ug/L
 RT: 5.466 min Scan# 700
 Delta R.T. -0.000 min
 Lab File: N0132384.D
 Acq: 30 Aug 2024 12:36 pm

Tgt Ion	Resp	Lower	Upper
117	906		
117	100		
119	95.0	67.0	127.0
121	28.5	0.5	60.5
82	0.0	0.0	30.0



7.1.8
7

Manual Integration Approval Summary

Sample Number: FC18340-8 **Method:** SW846 8260D BY SIM
Lab FileID: N0132384.D **Analyst approved:** 09/03/24 10:23 Jenifer Willis
Injection Time: 08/30/24 12:36 **Supervisor approved:** 09/03/24 12:20 Karen Watson

Parameter	CAS	Sig#	R.T. (min.)	Reason
Chloroform	67-66-3		5.30	Poorly defined baseline

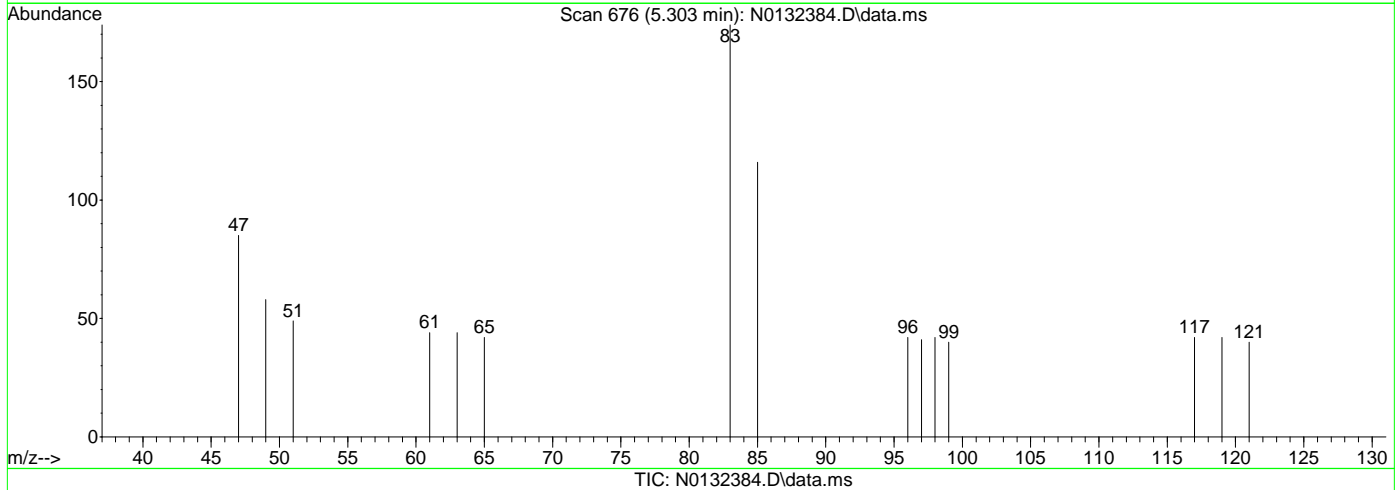
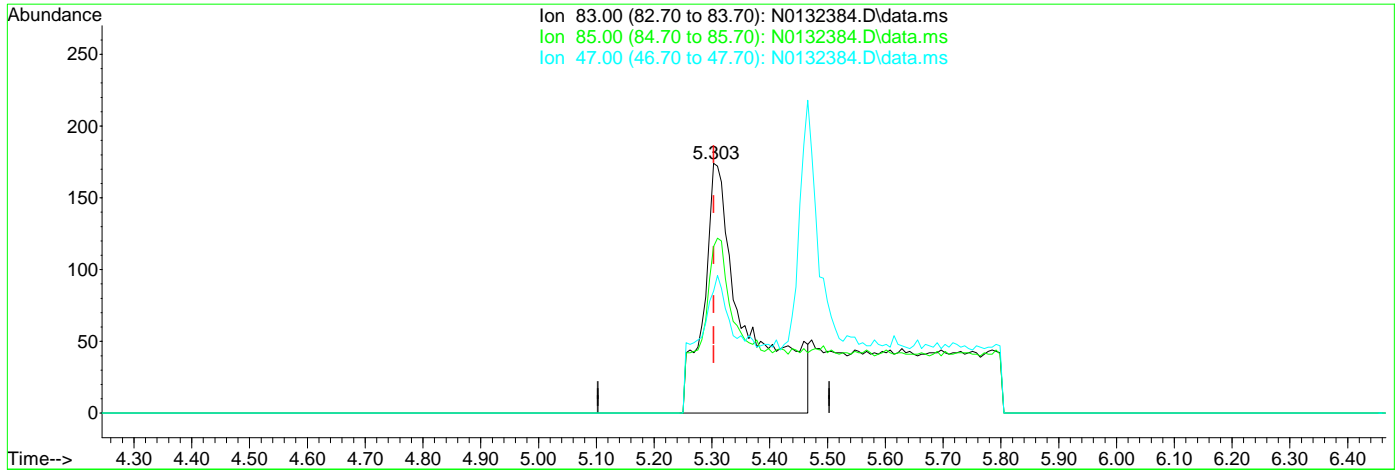
7.1.8.1

7

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\08-30-24\
 Data File : N0132384.D
 Acq On : 30 Aug 2024 12:36 pm
 Operator : jeniferw
 Sample : FC18340-8
 Misc : MS57392,VN6712,,,,,
 ALS Vial : 15 Sample Multiplier: 1

Quant Time: Sep 03 05:51:02 2024
 Quant Method : C:\msdchem\1\methods\SIMCL_VN6705_082024.M
 Quant Title : Standard Methods 6200B
 QLast Update : Tue Aug 20 14:01:28 2024
 Response via : Initial Calibration



(9) Chloroform

5.303min (+0.000) 0.48ug/L

response 892

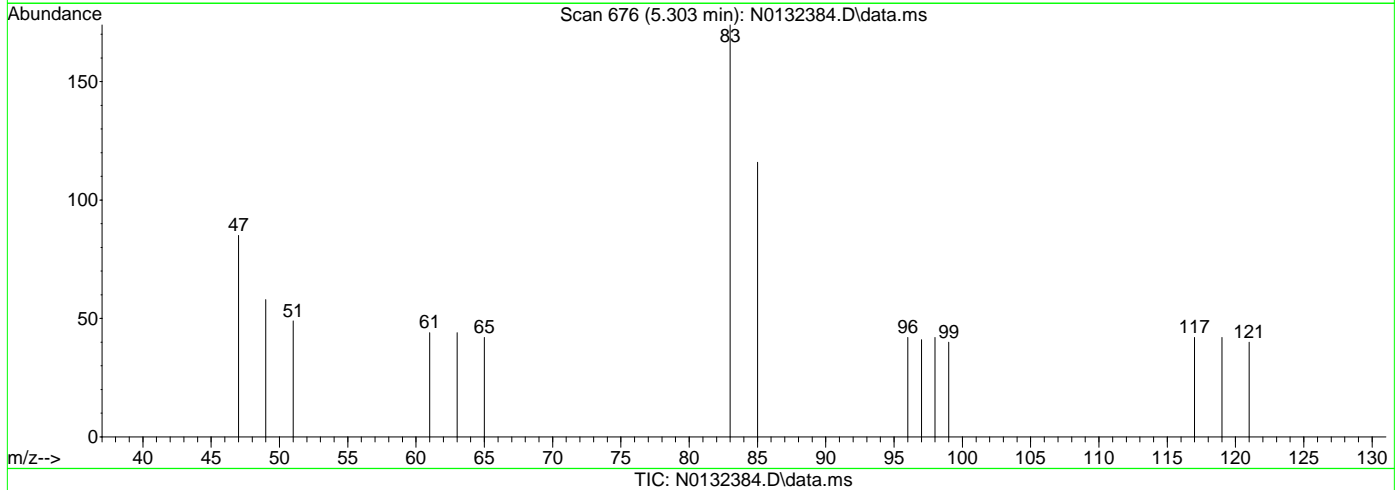
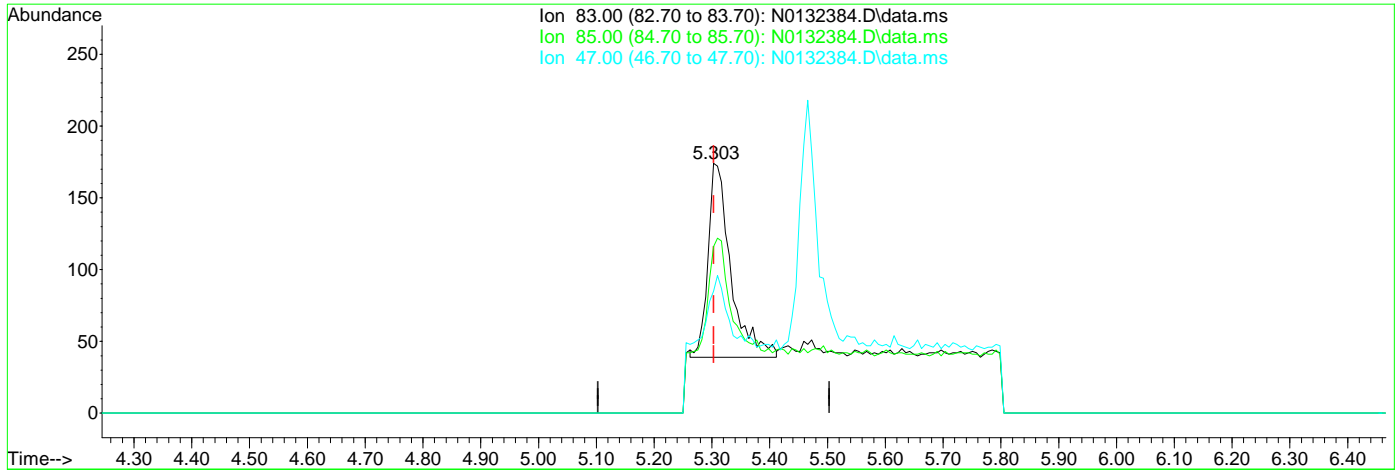
Ion	Exp%	Act%
83.00	100	100
85.00	66.30	66.67
47.00	32.60	48.85
0.00	0.00	0.00

7.1.8.2
7

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\08-30-24\
 Data File : N0132384.D
 Acq On : 30 Aug 2024 12:36 pm
 Operator : jeniferw
 Sample : FC18340-8
 Misc : MS57392,VN6712,,,,,
 ALS Vial : 15 Sample Multiplier: 1

Quant Time: Sep 03 05:51:02 2024
 Quant Method : C:\msdchem\1\methods\SIMCL_VN6705_082024.M
 Quant Title : Standard Methods 6200B
 QLast Update : Tue Aug 20 14:01:28 2024
 Response via : Initial Calibration



(9) Chloroform

5.303min (+0.000) 0.20ug/L m

response 369

Ion	Exp%	Act%
83.00	100	100
85.00	66.30	66.67
47.00	32.60	48.85
0.00	0.00	0.00

7.1.8.3
7

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\08-30-24\
 Data File : N0132385.D
 Acq On : 30 Aug 2024 12:59 pm
 Operator : jeniferw
 Sample : FC18340-9
 Misc : MS57392,VN6712,,,,,
 ALS Vial : 16 Sample Multiplier: 1

Quant Time: Sep 03 10:10:24 2024
 Quant Method : C:\msdchem\1\methods\SIMCL_VN6705_082024.M
 Quant Title : Standard Methods 6200B
 QLast Update : Tue Aug 20 14:01:28 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	Qvalue

Internal Standards							
1) Fluorobenzene	6.341	96	50156	5.00	ug/L	0.00	
18) Chlorobenzene-d5	9.519	117	31790	5.00	ug/L	0.00	
System Monitoring Compounds							
13) 1,2-Dichloroethane-d4	6.045	65	23847	5.53	ug/L	0.00	
Spiked Amount	5.000	Range 74 - 125	Recovery	=	110.60%		
19) Toluene-d8	7.951	98	37256	5.31	ug/L	0.00	
Spiked Amount	5.000	Range 88 - 111	Recovery	=	106.20%		
Target Compounds							
3) Chloromethane	1.982	50	268	0.18	ug/L	91	
5) Methylene Chloride	3.718	49	2839	1.22	ug/L	95	
15) Trichloroethene	6.554	95	582	0.77	ug/L	97	

(#) = qualifier out of range (m) = manual integration (+) = signals summed

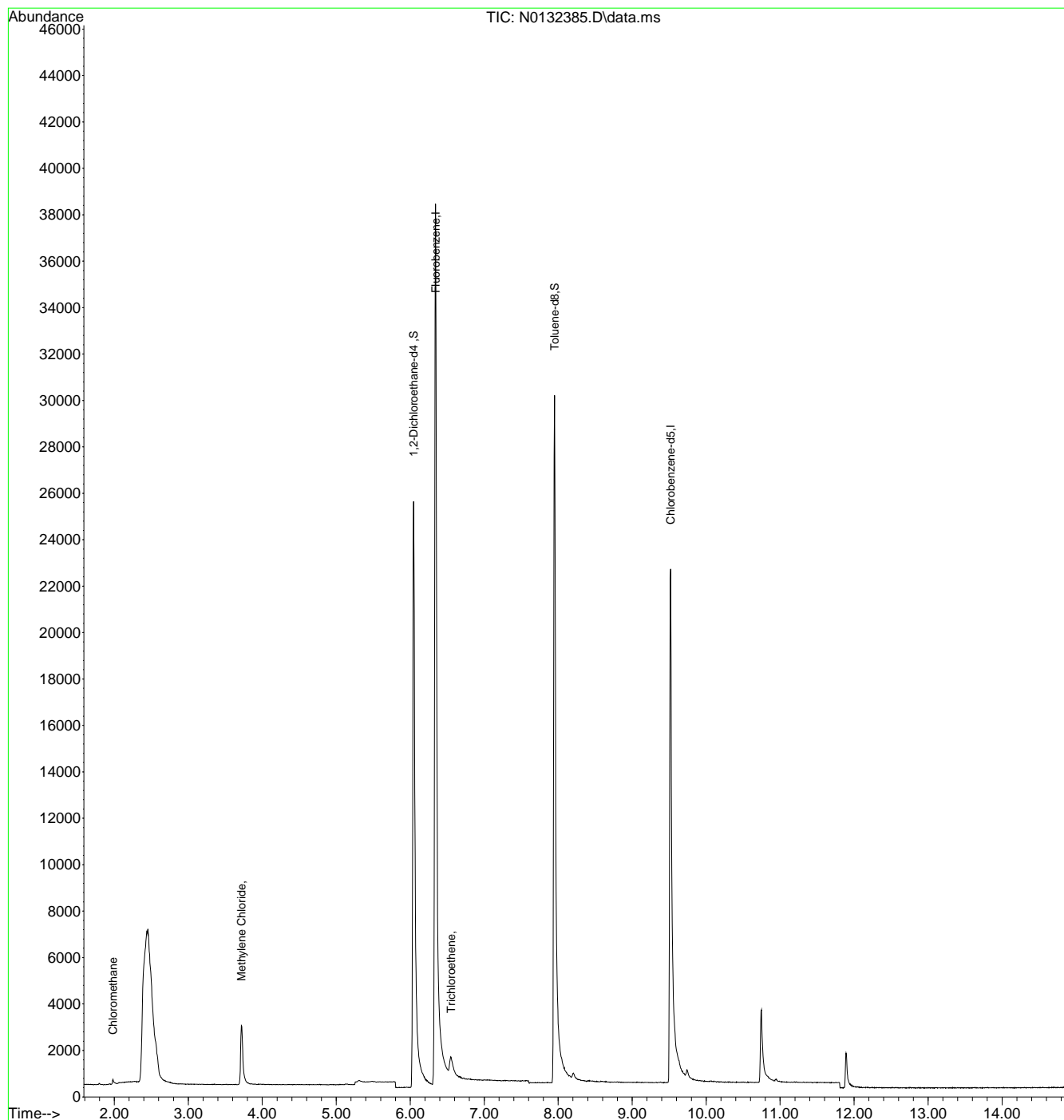
7.1.9
7



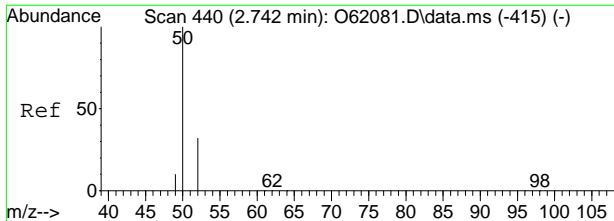
Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\08-30-24\
 Data File : N0132385.D
 Acq On : 30 Aug 2024 12:59 pm
 Operator : jeniferw
 Sample : FC18340-9
 Misc : MS57392,VN6712,,,,,
 ALS Vial : 16 Sample Multiplier: 1

Quant Time: Sep 03 10:10:24 2024
 Quant Method : C:\msdchem\1\methods\SIMCL_VN6705_082024.M
 Quant Title : Standard Methods 6200B
 QLast Update : Tue Aug 20 14:01:28 2024
 Response via : Initial Calibration

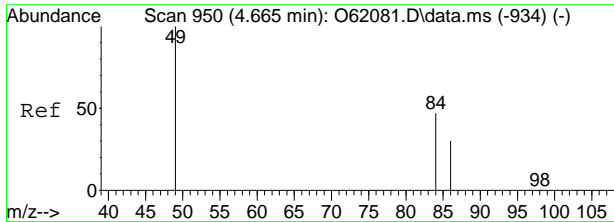
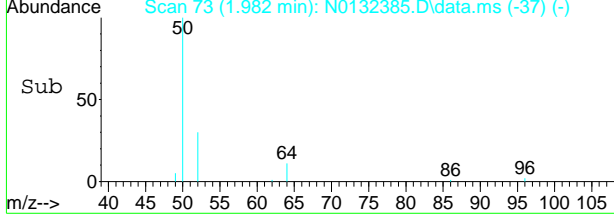
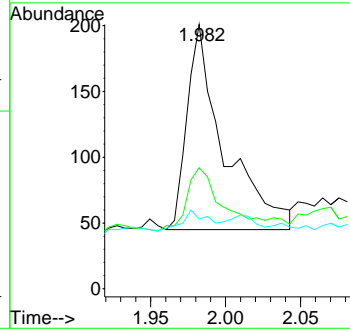
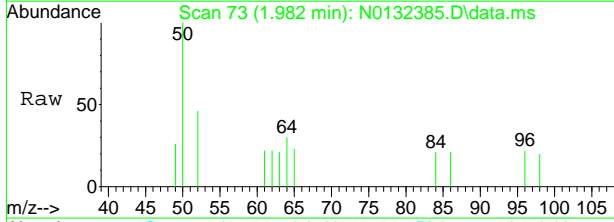


7.1.7
7



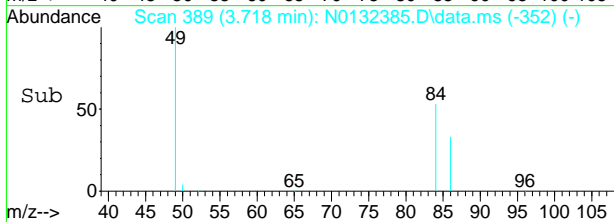
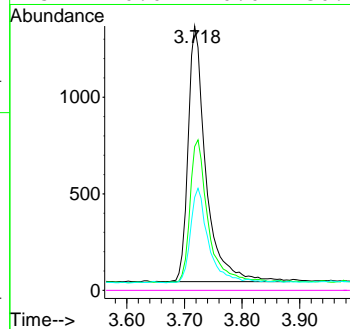
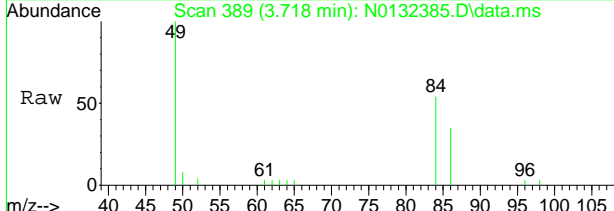
#3
 Chloromethane
 Concen: 0.18 ug/L
 RT: 1.982 min Scan# 73
 Delta R.T. 0.000 min
 Lab File: N0132385.D
 Acq: 30 Aug 2024 12:59 pm

Tgt Ion	Ratio	Lower	Upper
50	100		
52	28.2	2.1	62.1
49	4.5	0.0	39.6



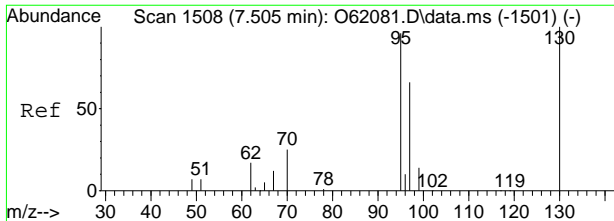
#5
 Methylene Chloride
 Concen: 1.22 ug/L
 RT: 3.718 min Scan# 389
 Delta R.T. 0.006 min
 Lab File: N0132385.D
 Acq: 30 Aug 2024 12:59 pm

Tgt Ion	Ratio	Lower	Upper
49	100		
84	53.1	20.0	80.0
86	33.4	0.4	60.4
51	0.0	0.0	30.0

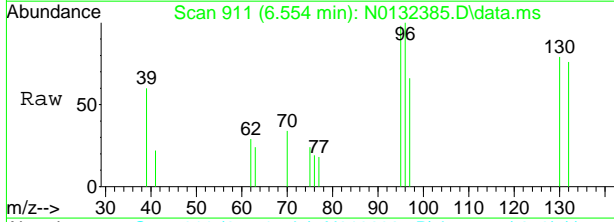


7.19
7



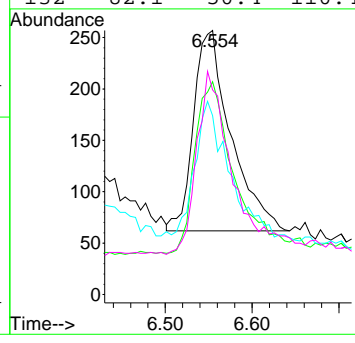
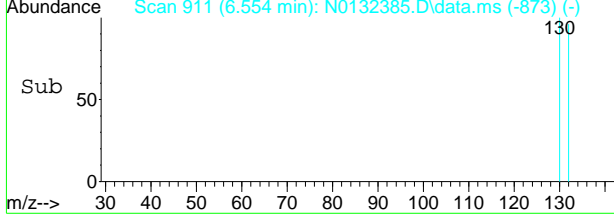


#15
 Trichloroethene
 Concen: 0.77 ug/L
 RT: 6.554 min Scan# 911
 Delta R.T. 0.023 min
 Lab File: N0132385.D
 Acq: 30 Aug 2024 12:59 pm



Tgt Ion: 95 Resp: 582

Ion	Ratio	Lower	Upper
95	100		
130	85.6	55.7	115.7
97	61.0	36.4	96.4
132	82.1	50.4	110.4



7.1.9
7

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\082924\
 Data File : Z76644.D
 Acq On : 29 Aug 2024 8:57 am
 Operator : claudias
 Sample : MB Inst : MSVOA15-Z
 Misc : MS57383,VZ3086,,,,,
 ALS Vial : 5 Sample Multiplier: 1

Quant Time: Aug 29 09:15:05 2024
 Quant Method : C:\msdchem\1\methods\SIMCL-08-28-2024.M
 Quant Title : Standard Methods 6200B
 QLast Update : Wed Aug 28 11:30:23 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Fluorobenzene	7.894	96	21300	5.00	ug/L	0.00
18) Chlorobenzene-d5	10.980	117	23710	5.00	ug/L	0.00
System Monitoring Compounds						
13) 1,2-Dichloroethane-d4	7.628	65	6892	5.34	ug/L	0.00
Spiked Amount	5.000	Range 74 - 125	Recovery	=	106.80%	
19) Toluene-d8	9.428	98	25506	4.82	ug/L	0.00
Spiked Amount	5.000	Range 88 - 111	Recovery	=	96.40%	
Target Compounds						
5) Methylene Chloride	5.213	49	610	0.19	ug/L	Qvalue 94

(#) = qualifier out of range (m) = manual integration (+) = signals summed

7.2.1
7

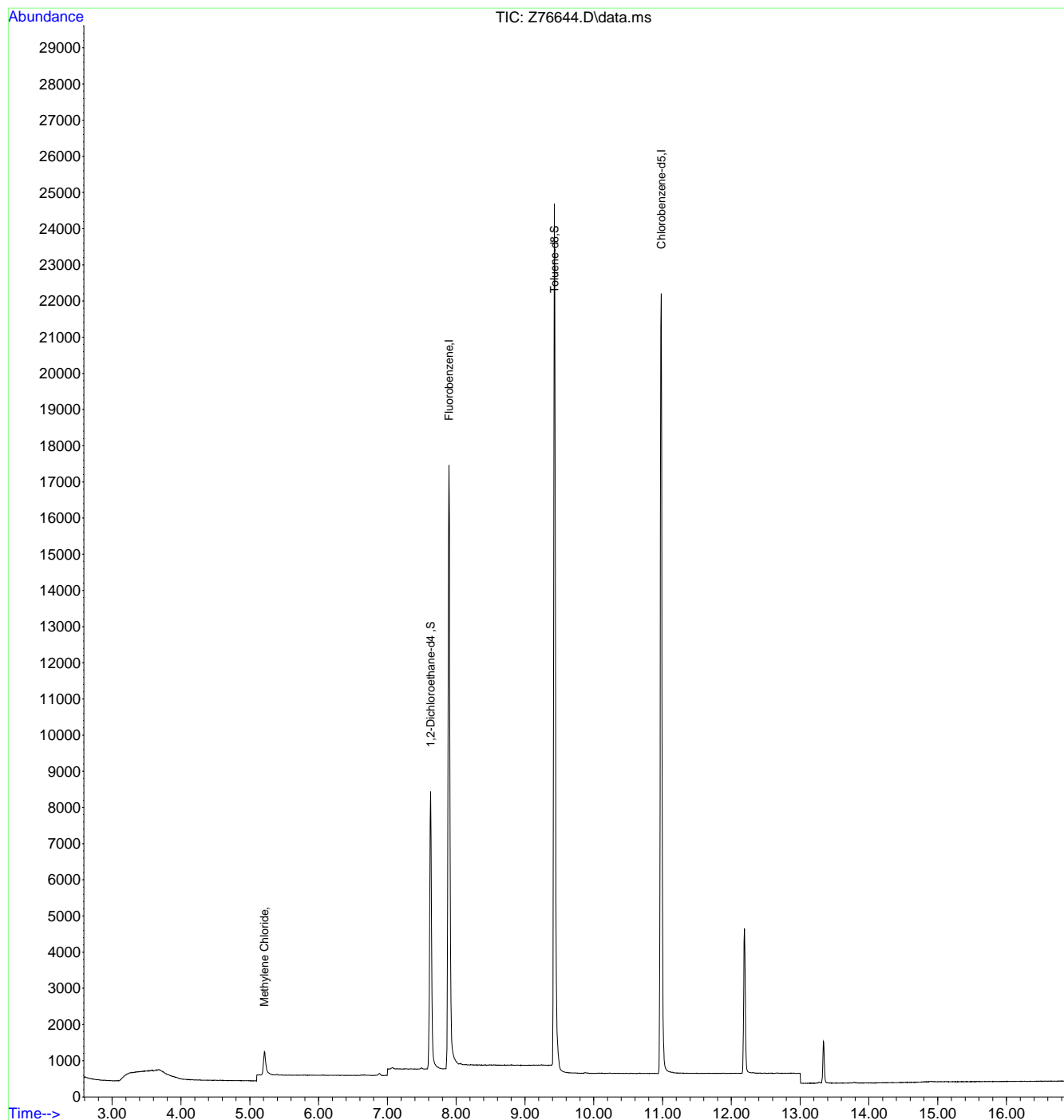


Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\082924\
Data File : Z76644.D
Acq On : 29 Aug 2024 8:57 am
Operator : claudias
Sample : MB
Misc : MS57383,VZ3086,,,,,
ALS Vial : 5 Sample Multiplier: 1

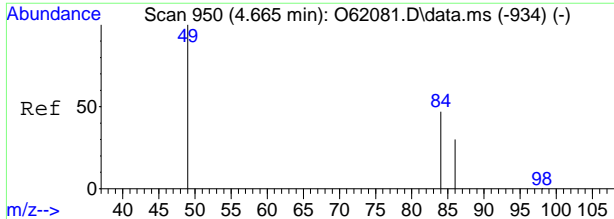
Inst : MSVOA15-Z

Quant Time: Aug 29 09:15:05 2024
Quant Method : C:\msdchem\1\methods\SIMCL-08-28-2024.M
Quant Title : Standard Methods 6200B
QLast Update : Wed Aug 28 11:30:23 2024
Response via : Initial Calibration



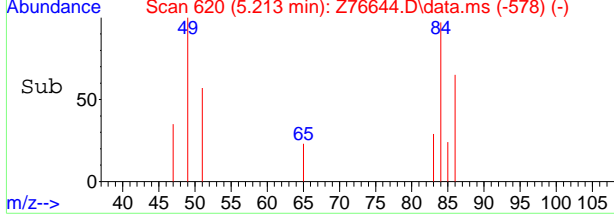
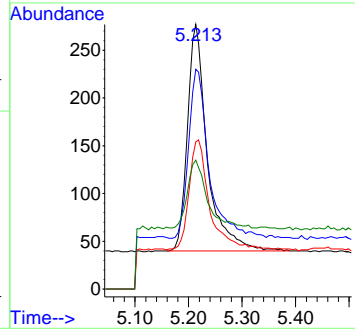
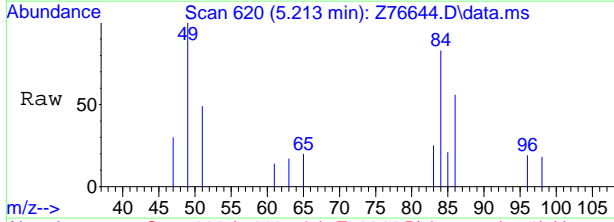
7.2.1
7





#5
 Methylene Chloride
 Concen: 0.19 ug/L
 RT: 5.213 min Scan# 620
 Delta R.T. 0.000 min
 Lab File: Z76644.D
 Acq: 29 Aug 2024 8:57 am

Tgt Ion	Ratio	Lower	Upper
49	100		
84	74.3	49.7	109.7
86	47.7	22.0	82.0
51	29.5	1.1	61.1



7.2.1
7



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\08-30-24\
 Data File : N0132374.D
 Acq On : 30 Aug 2024 8:33 am
 Operator : jeniferw
 Sample : MB
 Misc : MS57382,VN6712,,,,,
 ALS Vial : 5 Sample Multiplier: 1

Quant Time: Aug 30 08:51:47 2024
 Quant Method : C:\msdchem\1\methods\SIMCL_VN6705_082024.M
 Quant Title : Standard Methods 6200B
 QLast Update : Tue Aug 20 14:01:28 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Fluorobenzene	6.341	96	52090	5.00	ug/L	0.00
18) Chlorobenzene-d5	9.519	117	33088	5.00	ug/L	0.00
System Monitoring Compounds						
13) 1,2-Dichloroethane-d4	6.045	65	23530	5.25	ug/L	0.00
Spiked Amount	5.000	Range 74 - 125	Recovery	=	105.00%	
19) Toluene-d8	7.951	98	39031	5.34	ug/L	0.00
Spiked Amount	5.000	Range 88 - 111	Recovery	=	106.80%	
Target Compounds						
3) Chloromethane	1.982	50	377	0.24	ug/L	94
5) Methylene Chloride	3.718	49	3559	1.48	ug/L	91

(#) = qualifier out of range (m) = manual integration (+) = signals summed

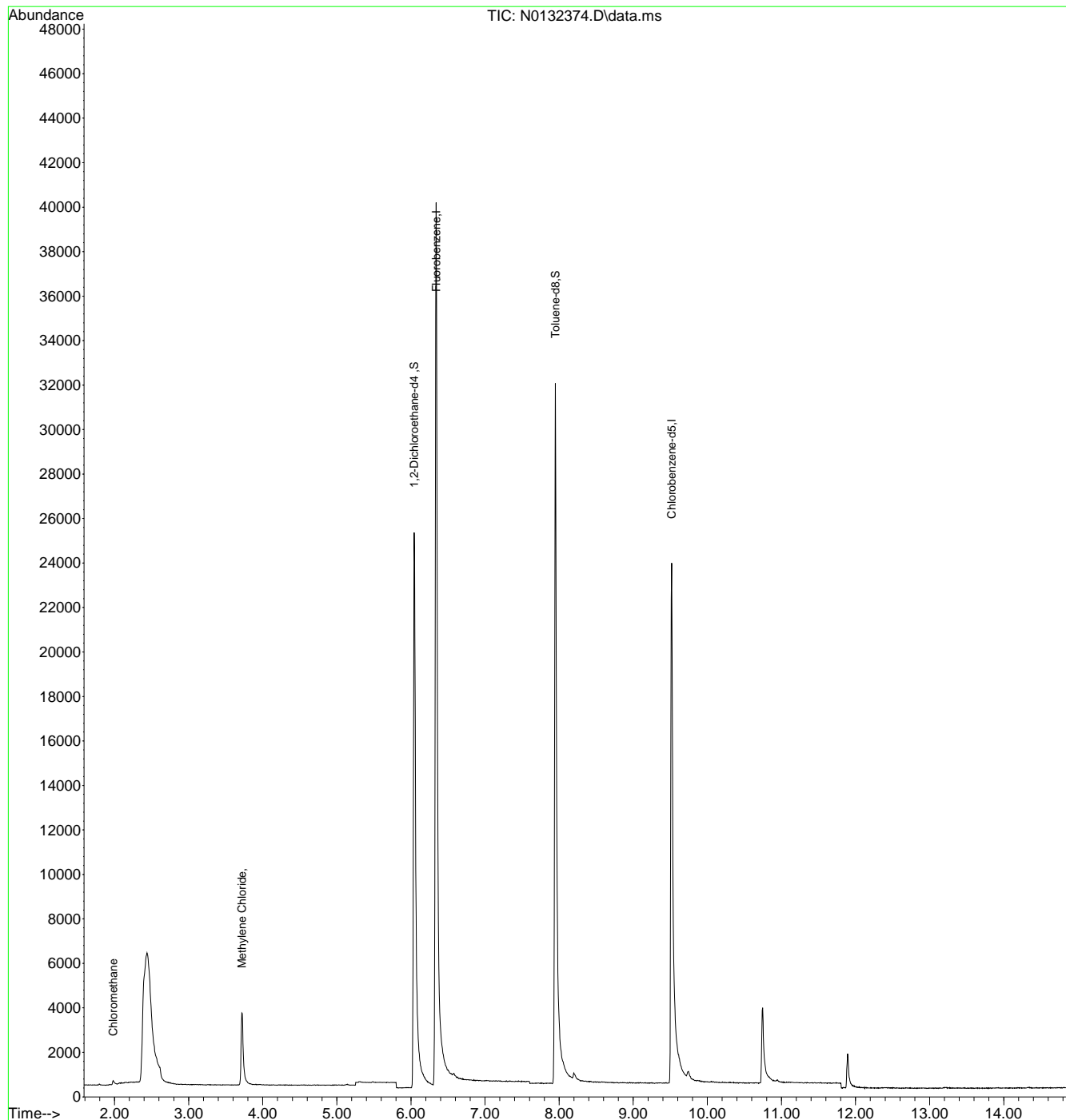
7.22
7



Quantitation Report (QT Reviewed)

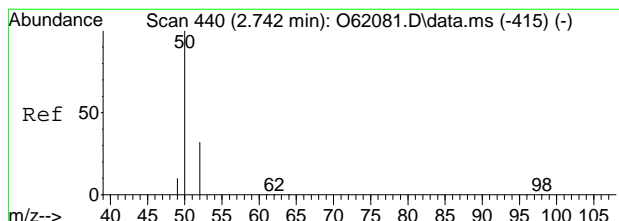
Data Path : C:\msdchem\1\data\08-30-24\
 Data File : N0132374.D
 Acq On : 30 Aug 2024 8:33 am
 Operator : jeniferw
 Sample : MB
 Misc : MS57382,VN6712,,,,,
 ALS Vial : 5 Sample Multiplier: 1

Quant Time: Aug 30 08:51:47 2024
 Quant Method : C:\msdchem\1\methods\SIMCL_VN6705_082024.M
 Quant Title : Standard Methods 6200B
 QLast Update : Tue Aug 20 14:01:28 2024
 Response via : Initial Calibration



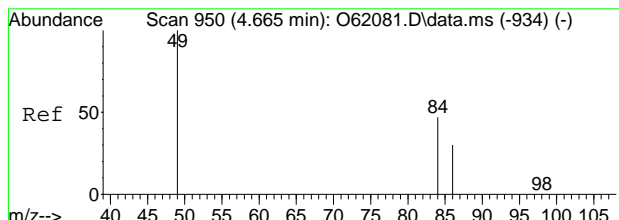
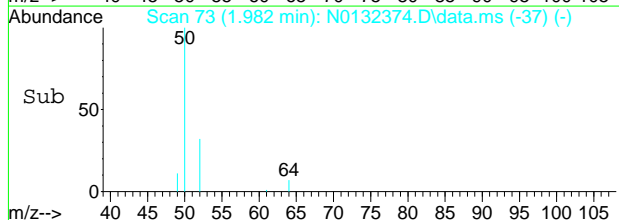
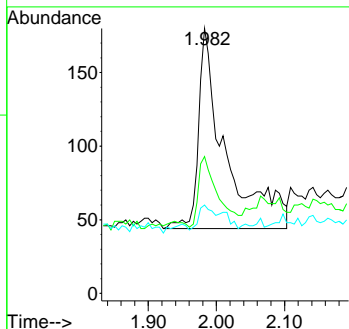
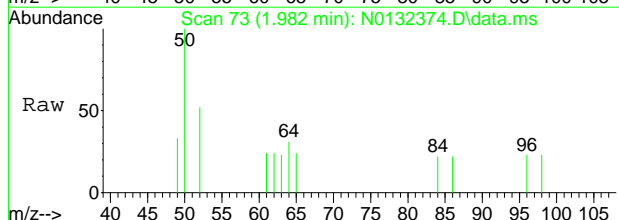
7.2.2
7





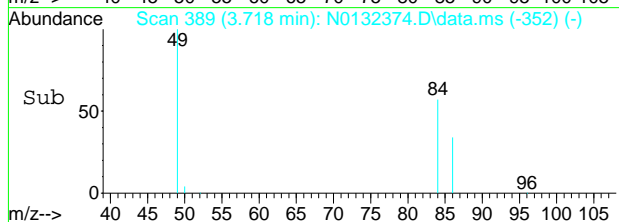
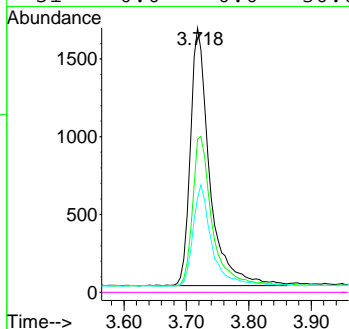
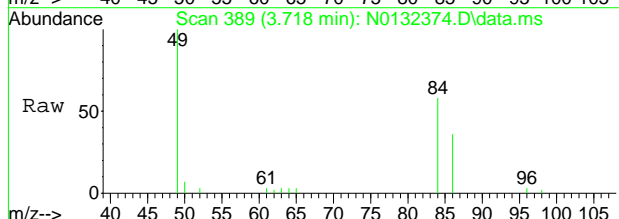
#3
 Chloromethane
 Concen: 0.24 ug/L
 RT: 1.982 min Scan# 73
 Delta R.T. 0.000 min
 Lab File: N0132374.D
 Acq: 30 Aug 2024 8:33 am

Tgt Ion	Resp	Lower	Upper
50	377		
52	34.6	2.1	62.1
49	14.0	0.0	39.6



#5
 Methylene Chloride
 Concen: 1.48 ug/L
 RT: 3.718 min Scan# 389
 Delta R.T. 0.006 min
 Lab File: N0132374.D
 Acq: 30 Aug 2024 8:33 am

Tgt Ion	Resp	Lower	Upper
49	3559		
49	100		
84	57.0	20.0	80.0
86	34.1	0.4	60.4
51	0.0	0.0	30.0



7.22
7

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\082924\
 Data File : Z76642.D
 Acq On : 29 Aug 2024 7:56 am
 Operator : claudias
 Sample : bs Inst : MSVOA15-Z
 Misc : MS57380,VZ3086,,,,,
 ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 29 08:13:51 2024
 Quant Method : C:\msdchem\1\methods\SIMCL-08-28-2024.M
 Quant Title : Standard Methods 6200B
 QLast Update : Wed Aug 28 11:30:23 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	

Internal Standards							
1) Fluorobenzene	7.894	96	20763	5.00	ug/L	0.00	
18) Chlorobenzene-d5	10.975	117	22486	5.00	ug/L	0.00	
System Monitoring Compounds							
13) 1,2-Dichloroethane-d4	7.621	65	6493	5.16	ug/L	0.00	
Spiked Amount	5.000	Range 74 - 125	Recovery	=	103.20%		
19) Toluene-d8	9.428	98	24286	4.84	ug/L	0.00	
Spiked Amount	5.000	Range 88 - 111	Recovery	=	96.80%		
Target Compounds							
							Qvalue
2) Vinyl Chloride	3.183	62	9308	4.43	ug/L		100
3) Chloromethane	3.129	50	10723	4.50	ug/L		98
4) 1,1-Dichloroethene	4.561	61	12633	5.37	ug/L		97
5) Methylene Chloride	5.208	49	19087	6.80	ug/L		94
6) trans-1,2-Dichloroethene	5.383	61	12503	5.55	ug/L		94
7) 1,1-Dichloroethane	6.059	63	15970	5.96	ug/L		100
8) cis-1,2-Dichloroethene	6.619	96	9775	5.36	ug/L		93
9) Chloroform	6.877	83	17604	5.04	ug/L		96
10) Carbon Tetrachloride	7.051	117	12339	4.75	ug/L		99
11) 1,1,1-Trichloroethane	7.119	97	14942	5.29	ug/L		96
12) Benzene	7.492	78	30981	5.15	ug/L		93
14) 1,2-Dichloroethane	7.689	62	11949	5.41	ug/L		93
15) Trichloroethene	8.060	95	8376	5.14	ug/L		94
16) 1,2-Dichloropropane	8.582	63	8573	5.19	ug/L		91
17) cis-1,3-Dichloropropene	9.240	75	12632	4.95	ug/L		91
20) trans-1,3-Dichloropropene	9.874	75	10511	4.34	ug/L		94
21) Tetrachloroethene	9.869	166	8312	4.89	ug/L #		89
22) 1,4-Dichlorobenzene	13.354	146	19326	5.05	ug/L		94
23) 1,2-Dibromo-3-Chloropr...	14.517	75	2384	4.55	ug/L #		73

(#) = qualifier out of range (m) = manual integration (+) = signals summed



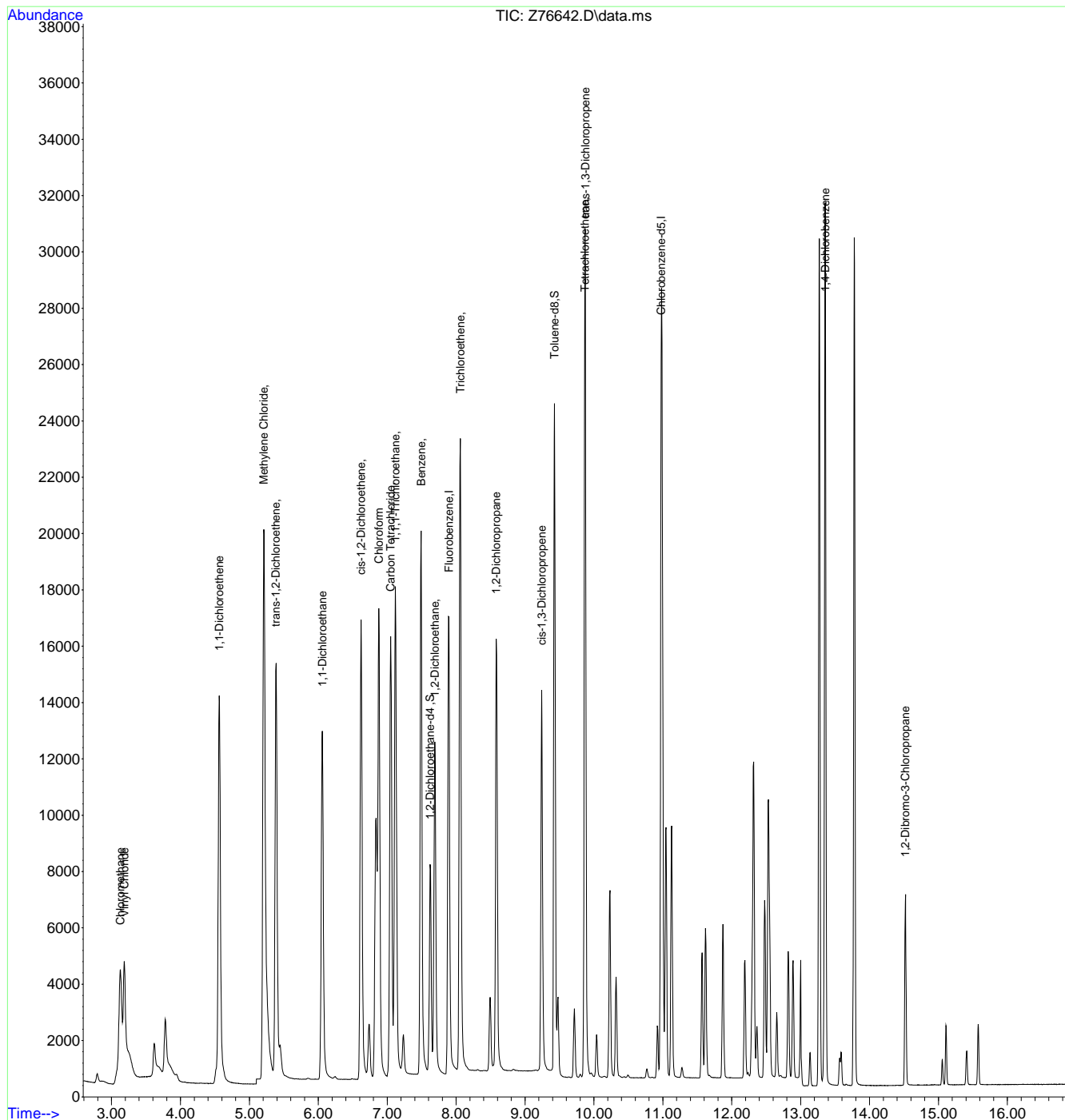
7.3.1
7

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\082924\
 Data File : Z76642.D
 Acq On : 29 Aug 2024 7:56 am
 Operator : claudias
 Sample : bs
 Misc : MS57380,VZ3086,,,,,
 ALS Vial : 3 Sample Multiplier: 1

Inst : MSVOA15-Z

Quant Time: Aug 29 08:13:51 2024
 Quant Method : C:\msdchem\1\methods\SIMCL-08-28-2024.M
 Quant Title : Standard Methods 6200B
 QLast Update : Wed Aug 28 11:30:23 2024
 Response via : Initial Calibration



7.3.1
7

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\08-30-24\
 Data File : N0132372.D
 Acq On : 30 Aug 2024 7:47 am
 Operator : jeniferw
 Sample : BS
 Misc : MS57382,VN6712,,,,,
 ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 30 08:04:14 2024
 Quant Method : C:\msdchem\1\methods\SIMCL_VN6705_082024.M
 Quant Title : Standard Methods 6200B
 QLast Update : Tue Aug 20 14:01:28 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	

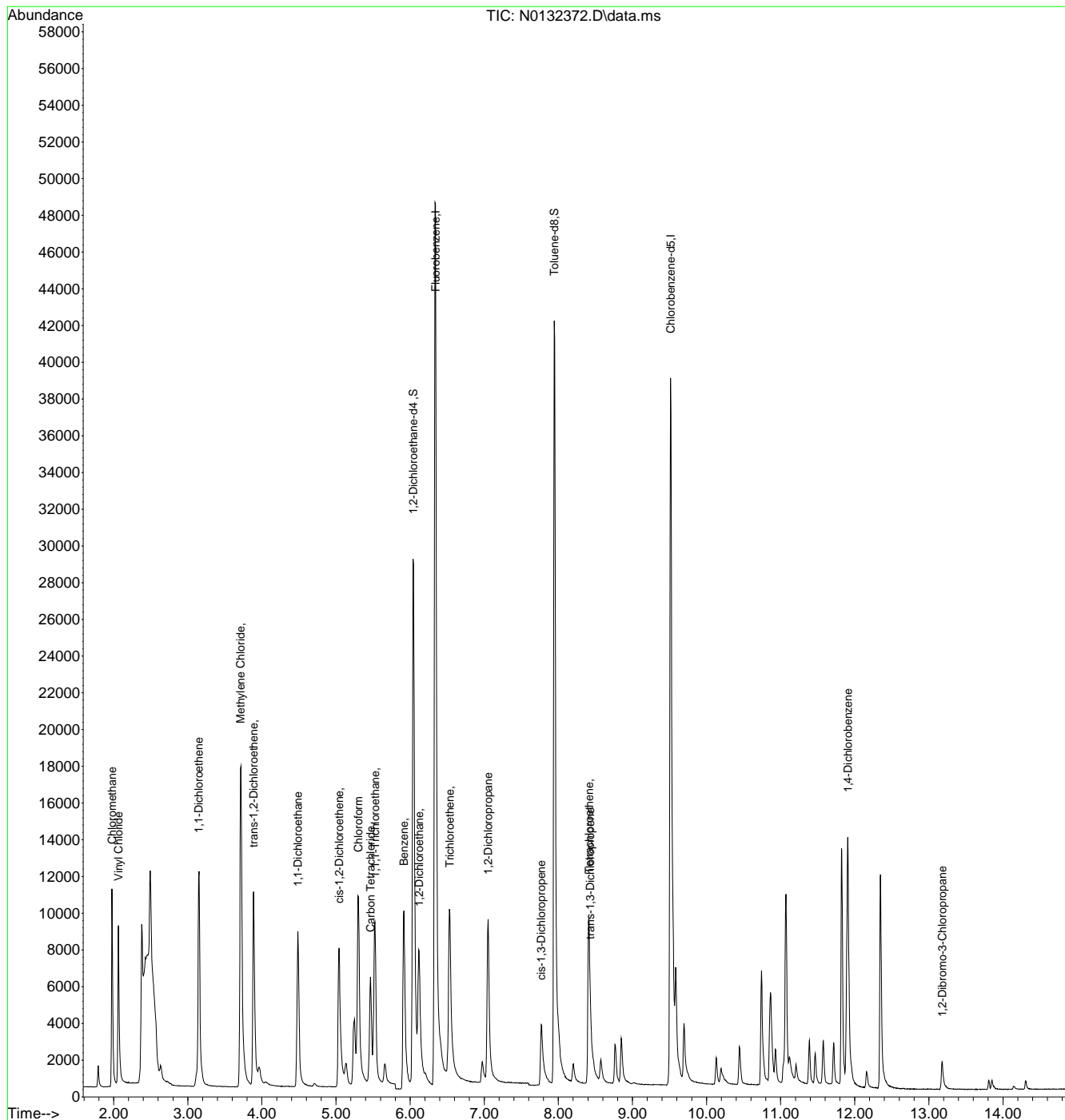
Internal Standards							
1) Fluorobenzene	6.341	96	63875	5.00	ug/L	0.00	
18) Chlorobenzene-d5	9.514	117	41118	5.00	ug/L	0.00	
System Monitoring Compounds							
13) 1,2-Dichloroethane-d4	6.041	65	26858	4.89	ug/L	0.00	
Spiked Amount	5.000	Range 74 - 125	Recovery	=	97.80%		
19) Toluene-d8	7.945	98	48106	5.30	ug/L	0.00	
Spiked Amount	5.000	Range 88 - 111	Recovery	=	106.00%		
Target Compounds							
							Qvalue
2) Vinyl Chloride	2.065	62	7976	5.64	ug/L		95
3) Chloromethane	1.977	50	9629	5.10	ug/L		99
4) 1,1-Dichloroethene	3.147	61	8759	4.66	ug/L		97
5) Methylene Chloride	3.712	49	18514	6.91	ug/L		95
6) trans-1,2-Dichloroethene	3.888	61	8254	5.26	ug/L		88
7) 1,1-Dichloroethane	4.487	63	10915	5.18	ug/L		98
8) cis-1,2-Dichloroethene	5.041	96	5127	5.57	ug/L		97
9) Chloroform	5.303	83	11322	5.01	ug/L		98
10) Carbon Tetrachloride	5.466	117	4288	4.49	ug/L		99
11) 1,1,1-Trichloroethane	5.527	97	6713	4.94	ug/L		98
12) Benzene	5.915	78	17870	5.24	ug/L		99
14) 1,2-Dichloroethane	6.121	62	8779	5.45	ug/L		99
15) Trichloroethene	6.537	95	4793	4.99	ug/L		97
16) 1,2-Dichloropropane	7.052	63	5718	5.31	ug/L		98
17) cis-1,3-Dichloropropene	7.769	75	4435	5.20	ug/L		99
20) trans-1,3-Dichloropropene	8.429	75	3791	5.15	ug/L		90
21) Tetrachloroethene	8.413	166	5026	5.43	ug/L #		98
22) 1,4-Dichlorobenzene	11.906	146	11230	5.34	ug/L		96
23) 1,2-Dibromo-3-Chloropr...	13.179	75	847	4.92	ug/L		96

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\08-30-24\
 Data File : N0132372.D
 Acq On : 30 Aug 2024 7:47 am
 Operator : jeniferw
 Sample : BS
 Misc : MS57382,VN6712,,,,,
 ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 30 08:04:14 2024
 Quant Method : C:\msdchem\1\methods\SIMCL_VN6705_082024.M
 Quant Title : Standard Methods 6200B
 QLast Update : Tue Aug 20 14:01:28 2024
 Response via : Initial Calibration



7.3.2
7



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\082924\
 Data File : Z76665.D
 Acq On : 29 Aug 2024 5:13 pm
 Operator : claudias
 Sample : FC18339-9MS Inst : MSVOA15-Z
 Misc : MS57383,VZ3086,,,,,5
 ALS Vial : 26 Sample Multiplier: 1

Quant Time: Aug 30 06:22:22 2024
 Quant Method : C:\msdchem\1\methods\SIMCL-08-28-2024.M
 Quant Title : Standard Methods 6200B
 QLast Update : Wed Aug 28 11:30:23 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	

Internal Standards							
1) Fluorobenzene	7.895	96	20832	5.00	ug/L	0.00	
18) Chlorobenzene-d5	10.980	117	23000	5.00	ug/L	0.00	
System Monitoring Compounds							
13) 1,2-Dichloroethane-d4	7.628	65	6757	5.35	ug/L	0.00	
Spiked Amount	5.000	Range 74 - 125	Recovery	=	107.00%		
19) Toluene-d8	9.428	98	24681	4.81	ug/L	0.00	
Spiked Amount	5.000	Range 88 - 111	Recovery	=	96.20%		
Target Compounds							
							Qvalue
2) Vinyl Chloride	3.192	62	9036	4.28	ug/L		100
3) Chloromethane	3.133	50	10537	4.40	ug/L		98
4) 1,1-Dichloroethene	4.570	61	12633	5.35	ug/L		98
5) Methylene Chloride	5.213	49	17834	6.26	ug/L		92
6) trans-1,2-Dichloroethene	5.389	61	11877	5.24	ug/L		93
7) 1,1-Dichloroethane	6.065	63	15517	5.77	ug/L		100
8) cis-1,2-Dichloroethene	6.625	96	9167	4.99	ug/L		92
9) Chloroform	6.883	83	16563	4.71	ug/L		96
10) Carbon Tetrachloride	7.058	117	11647	4.45	ug/L		99
11) 1,1,1-Trichloroethane	7.126	97	14383	5.07	ug/L		96
12) Benzene	7.492	78	29517	4.89	ug/L		97
14) 1,2-Dichloroethane	7.696	62	11375	5.12	ug/L		94
15) Trichloroethene	8.061	95	8124	4.97	ug/L		89
16) 1,2-Dichloropropane	8.588	63	8227	4.97	ug/L		92
17) cis-1,3-Dichloropropene	9.246	75	11241	4.38	ug/L		92
20) trans-1,3-Dichloropropene	9.874	75	9254	3.74	ug/L		93
21) Tetrachloroethene	9.874	166	7499	4.30	ug/L #		92
22) 1,4-Dichlorobenzene	13.354	146	16749	4.28	ug/L		93
23) 1,2-Dibromo-3-Chloropr...	14.520	75	2184	4.06	ug/L #		73

(#) = qualifier out of range (m) = manual integration (+) = signals summed

7.4.1
7

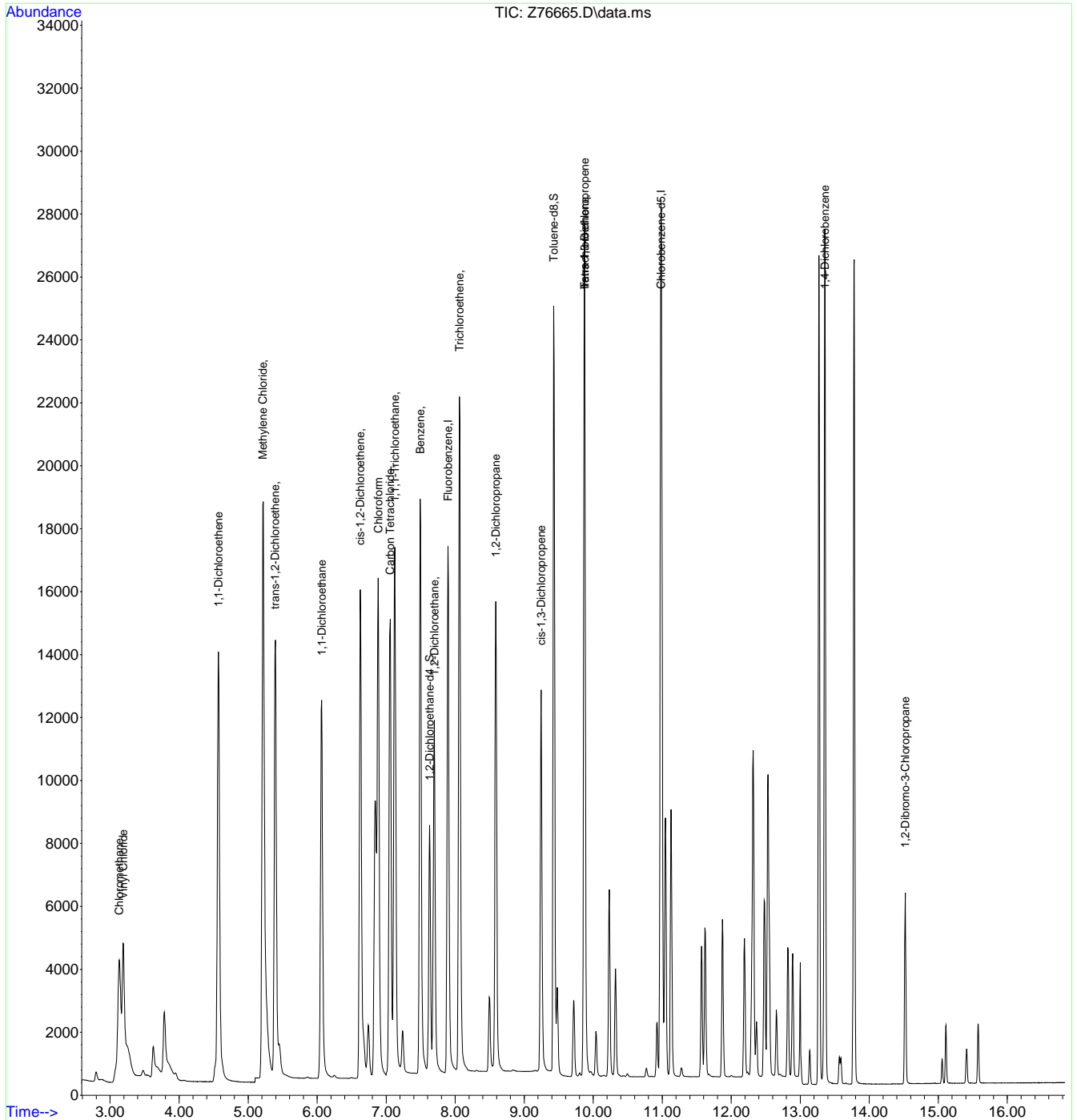


Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\082924\
Data File : Z76665.D
Acq On : 29 Aug 2024 5:13 pm
Operator : claudias
Sample : FC18339-9MS
Misc : MS57383,VZ3086,,,,,5
ALS Vial : 26 Sample Multiplier: 1

Inst : MSVOA15-Z

Quant Time: Aug 30 06:22:22 2024
Quant Method : C:\msdchem\1\methods\SIMCL-08-28-2024.M
Quant Title : Standard Methods 6200B
QLast Update : Wed Aug 28 11:30:23 2024
Response via : Initial Calibration



7.4.1
7



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\082924\
 Data File : Z76666.D
 Acq On : 29 Aug 2024 5:36 pm
 Operator : claudias
 Sample : FC18339-9MSD Inst : MSVOA15-Z
 Misc : MS57383,VZ3086,,,,,5
 ALS Vial : 27 Sample Multiplier: 1

Quant Time: Aug 30 06:22:24 2024
 Quant Method : C:\msdchem\1\methods\SIMCL-08-28-2024.M
 Quant Title : Standard Methods 6200B
 QLast Update : Wed Aug 28 11:30:23 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	

Internal Standards							
1) Fluorobenzene	7.894	96	20923	5.00	ug/L	0.00	
18) Chlorobenzene-d5	10.980	117	22962	5.00	ug/L	0.00	
System Monitoring Compounds							
13) 1,2-Dichloroethane-d4	7.628	65	6831	5.39	ug/L	0.00	
Spiked Amount	5.000	Range	74 - 125	Recovery	=	107.80%	
19) Toluene-d8	9.428	98	24721	4.83	ug/L	0.00	
Spiked Amount	5.000	Range	88 - 111	Recovery	=	96.60%	
Target Compounds							
							Qvalue
2) Vinyl Chloride	3.192	62	9713	4.60	ug/L		100
3) Chloromethane	3.133	50	11051	4.60	ug/L		99
4) 1,1-Dichloroethene	4.566	61	12806	5.40	ug/L		96
5) Methylene Chloride	5.213	49	18229	6.39	ug/L		92
6) trans-1,2-Dichloroethene	5.389	61	12070	5.30	ug/L		92
7) 1,1-Dichloroethane	6.064	63	15663	5.80	ug/L		100
8) cis-1,2-Dichloroethene	6.625	96	9323	5.06	ug/L		92
9) Chloroform	6.883	83	16821	4.77	ug/L		96
10) Carbon Tetrachloride	7.058	117	11934	4.55	ug/L		99
11) 1,1,1-Trichloroethane	7.126	97	14651	5.14	ug/L		96
12) Benzene	7.492	78	30165	4.97	ug/L		97
14) 1,2-Dichloroethane	7.696	62	11607	5.20	ug/L		94
15) Trichloroethene	8.060	95	8348	5.09	ug/L		89
16) 1,2-Dichloropropane	8.588	63	8394	5.05	ug/L		92
17) cis-1,3-Dichloropropene	9.246	75	11509	4.47	ug/L		93
20) trans-1,3-Dichloropropene	9.874	75	9499	3.84	ug/L		93
21) Tetrachloroethene	9.874	166	7720	4.44	ug/L #		92
22) 1,4-Dichlorobenzene	13.354	146	17101	4.38	ug/L		93
23) 1,2-Dibromo-3-Chloropr...	14.517	75	2229	4.15	ug/L #		68

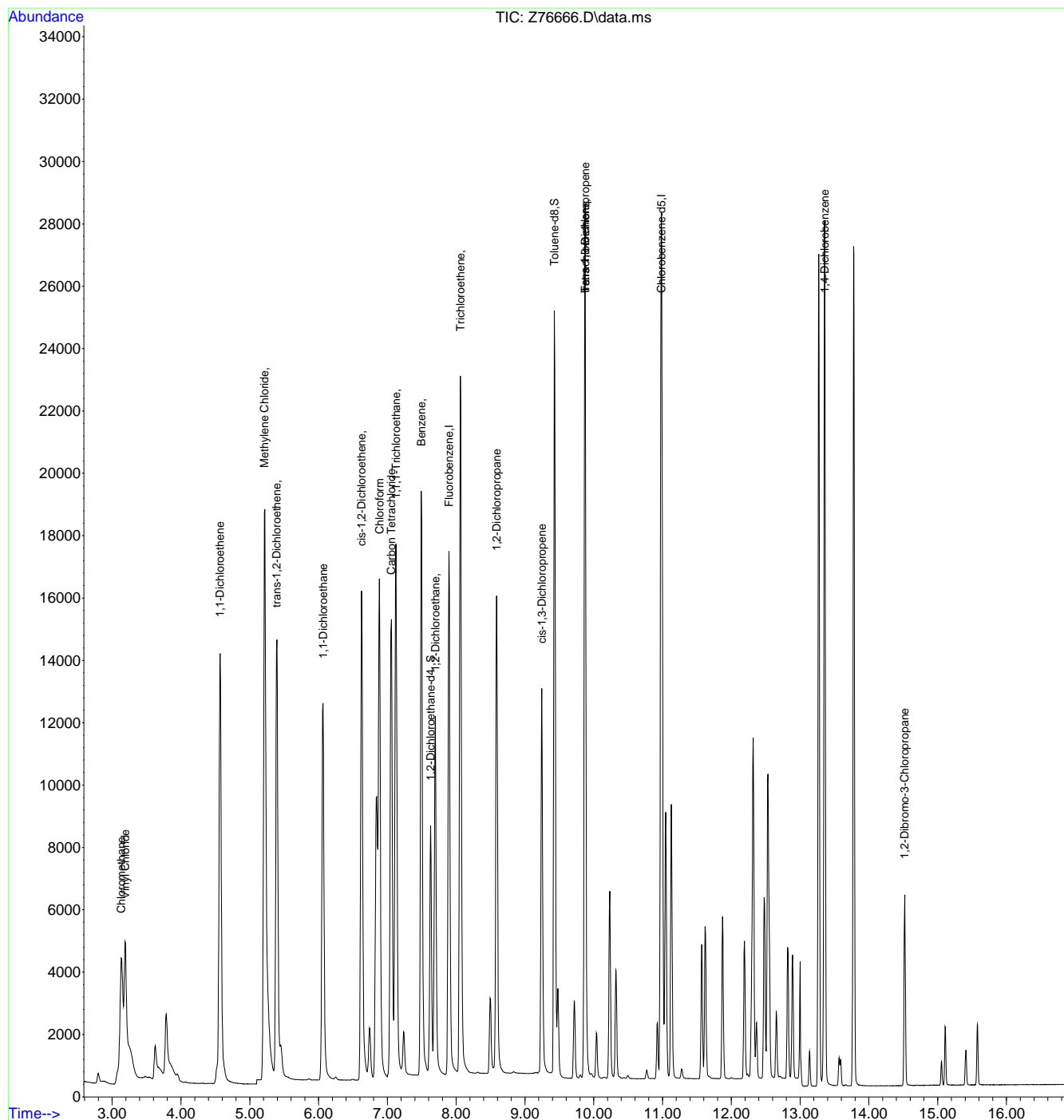
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\082924\
Data File : Z76666.D
Acq On : 29 Aug 2024 5:36 pm
Operator : claudias
Sample : FC18339-9MSD
Misc : MS57383,VZ3086,,,,,5
ALS Vial : 27 Sample Multiplier: 1

Inst : MSVOA15-Z

Quant Time: Aug 30 06:22:24 2024
Quant Method : C:\msdchem\1\methods\SIMCL-08-28-2024.M
Quant Title : Standard Methods 6200B
QLast Update : Wed Aug 28 11:30:23 2024
Response via : Initial Calibration



7.4.2
7



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\08-30-24\
 Data File : N0132395.D
 Acq On : 30 Aug 2024 4:53 pm
 Operator : jeniferw
 Sample : FC18198-6MS
 Misc : MS57392,VN6712,,,,,
 ALS Vial : 26 Sample Multiplier: 1

Quant Time: Sep 03 05:51:24 2024
 Quant Method : C:\msdchem\1\methods\SIMCL_VN6705_082024.M
 Quant Title : Standard Methods 6200B
 QLast Update : Tue Aug 20 14:01:28 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	

Internal Standards							
1) Fluorobenzene	6.341	96	55485	5.00	ug/L	0.00	
18) Chlorobenzene-d5	9.519	117	41165	5.00	ug/L	0.00	
System Monitoring Compounds							
13) 1,2-Dichloroethane-d4	6.045	65	25407	5.32	ug/L	0.00	
Spiked Amount	5.000	Range 74 - 125	Recovery	=	106.40%		
19) Toluene-d8	7.951	98	41043	4.52	ug/L	0.00	
Spiked Amount	5.000	Range 88 - 111	Recovery	=	90.40%		
Target Compounds							
							Qvalue
2) Vinyl Chloride	2.065	62	6723	5.48	ug/L		98
3) Chloromethane	1.977	50	8921	5.44	ug/L		98
4) 1,1-Dichloroethene	3.152	61	8513	5.21	ug/L		92
5) Methylene Chloride	3.718	49	15407	6.58	ug/L		88
6) trans-1,2-Dichloroethene	3.888	61	7369	5.41	ug/L		94
7) 1,1-Dichloroethane	4.487	63	10117	5.53	ug/L		100
8) cis-1,2-Dichloroethene	5.041	96	4238	5.30	ug/L		95
9) Chloroform	5.303	83	10525	5.39	ug/L		98
10) Carbon Tetrachloride	5.466	117	4102	4.94	ug/L		99
11) 1,1,1-Trichloroethane	5.527	97	6377	5.40	ug/L		97
12) Benzene	5.919	78	15945	5.38	ug/L		99
14) 1,2-Dichloroethane	6.121	62	7940	5.67	ug/L		99
15) Trichloroethene	6.537	95	6174	7.40	ug/L		96
16) 1,2-Dichloropropane	7.052	63	5044	5.39	ug/L		99
17) cis-1,3-Dichloropropene	7.774	75	3533	4.77	ug/L		100
20) trans-1,3-Dichloropropene	8.435	75	3110	4.30	ug/L		92
21) Tetrachloroethene	8.413	166	4641	5.01	ug/L #		97
22) 1,4-Dichlorobenzene	11.906	146	9773	4.64	ug/L		95

(#) = qualifier out of range (m) = manual integration (+) = signals summed

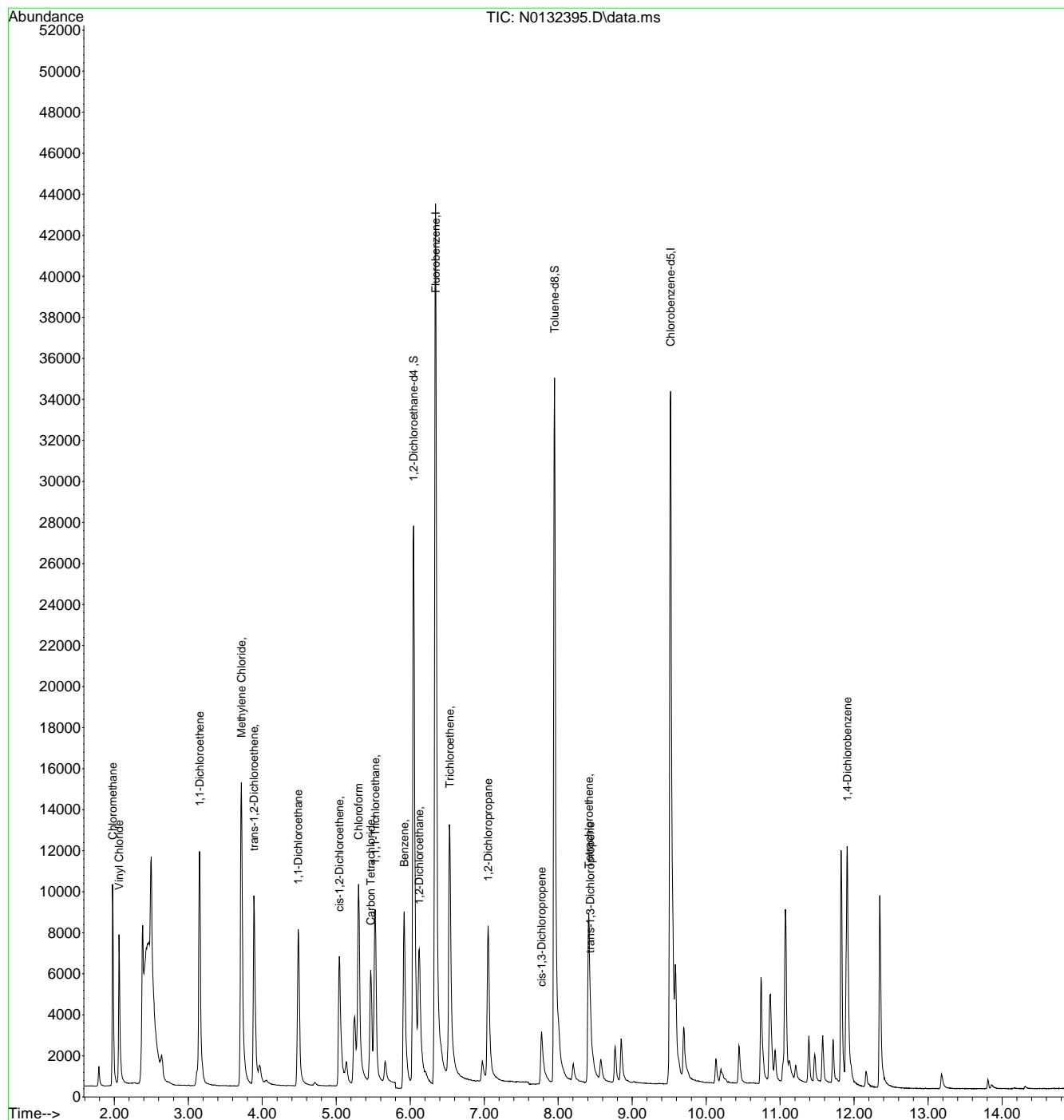
7.4.3
7



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\08-30-24\
 Data File : N0132395.D
 Acq On : 30 Aug 2024 4:53 pm
 Operator : jeniferw
 Sample : FC18198-6MS
 Misc : MS57392,VN6712,,,,,
 ALS Vial : 26 Sample Multiplier: 1

Quant Time: Sep 03 05:51:24 2024
 Quant Method : C:\msdchem\1\methods\SIMCL_VN6705_082024.M
 Quant Title : Standard Methods 6200B
 QLast Update : Tue Aug 20 14:01:28 2024
 Response via : Initial Calibration



7.4.3
7



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\08-30-24\
 Data File : N0132396.D
 Acq On : 30 Aug 2024 5:16 pm
 Operator : jeniferw
 Sample : FC18198-6MSD
 Misc : MS57392,VN6712,,,,,
 ALS Vial : 27 Sample Multiplier: 1

Quant Time: Sep 03 05:51:26 2024
 Quant Method : C:\msdchem\1\methods\SIMCL_VN6705_082024.M
 Quant Title : Standard Methods 6200B
 QLast Update : Tue Aug 20 14:01:28 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	

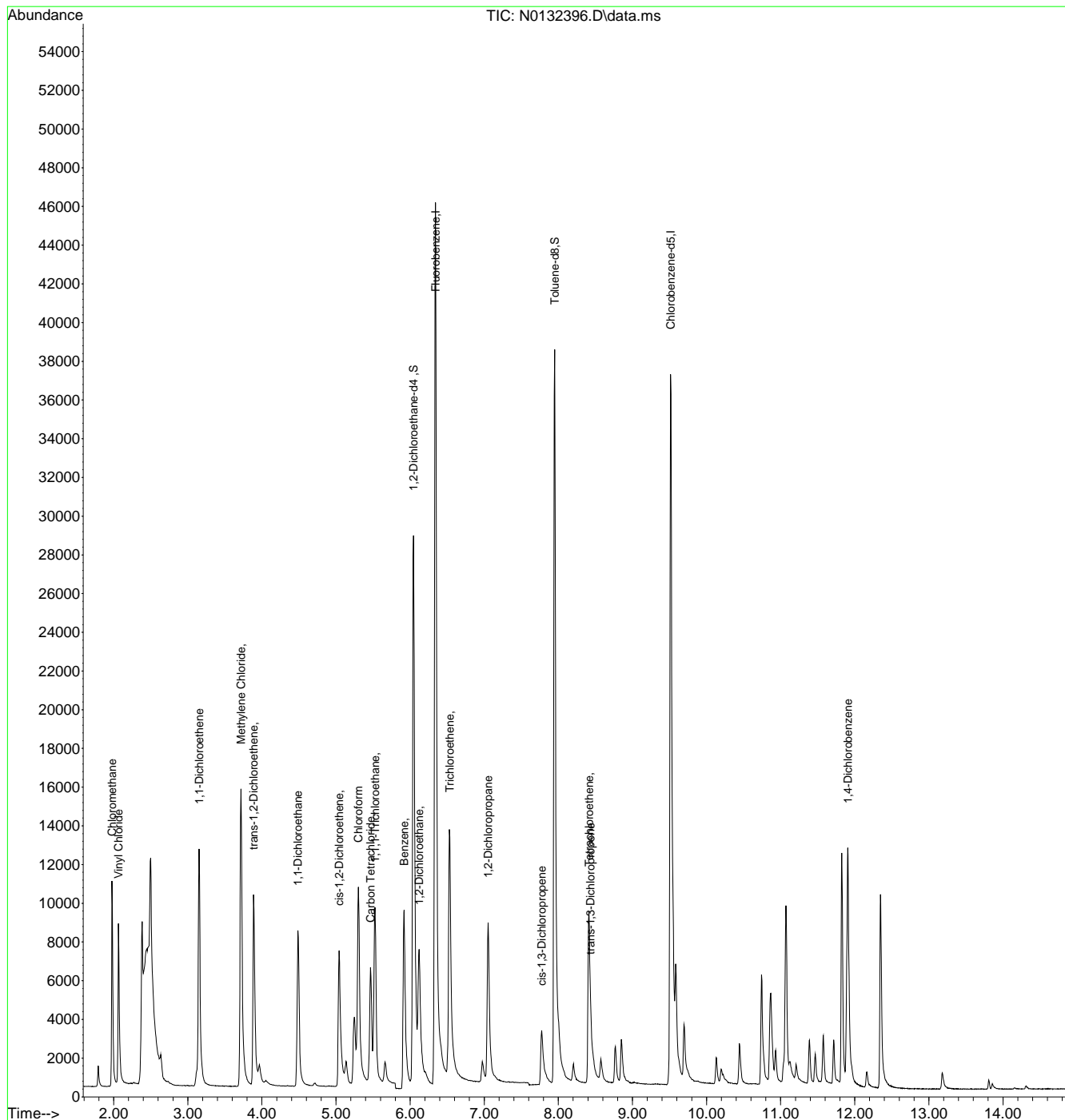
Internal Standards							
1) Fluorobenzene	6.341	96	58662	5.00	ug/L	0.00	
18) Chlorobenzene-d5	9.514	117	39184	5.00	ug/L	0.00	
System Monitoring Compounds							
13) 1,2-Dichloroethane-d4	6.045	65	26666	5.28	ug/L	0.00	
Spiked Amount	5.000	Range 74 - 125	Recovery	=	105.60%		
19) Toluene-d8	7.951	98	44407	5.13	ug/L	0.00	
Spiked Amount	5.000	Range 88 - 111	Recovery	=	102.60%		
Target Compounds							
							Qvalue
2) Vinyl Chloride	2.065	62	7623	5.87	ug/L		97
3) Chloromethane	1.977	50	9708	5.60	ug/L		98
4) 1,1-Dichloroethene	3.152	61	9021	5.23	ug/L		93
5) Methylene Chloride	3.718	49	15841	6.37	ug/L		87
6) trans-1,2-Dichloroethene	3.888	61	7940	5.51	ug/L		96
7) 1,1-Dichloroethane	4.487	63	10699	5.53	ug/L		99
8) cis-1,2-Dichloroethene	5.041	96	4627	5.48	ug/L		96
9) Chloroform	5.303	83	11094	5.37	ug/L		99
10) Carbon Tetrachloride	5.466	117	4390	5.00	ug/L		97
11) 1,1,1-Trichloroethane	5.527	97	6888	5.52	ug/L		99
12) Benzene	5.919	78	17023	5.43	ug/L		98
14) 1,2-Dichloroethane	6.120	62	8443	5.70	ug/L		99
15) Trichloroethene	6.537	95	6566	7.44	ug/L		97
16) 1,2-Dichloropropane	7.052	63	5359	5.42	ug/L		98
17) cis-1,3-Dichloropropene	7.774	75	3951	5.05	ug/L		96
20) trans-1,3-Dichloropropene	8.435	75	3428	4.91	ug/L		96
21) Tetrachloroethene	8.413	166	5085	5.76	ug/L #		99
22) 1,4-Dichlorobenzene	11.906	146	10174	5.08	ug/L		96

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\08-30-24\
 Data File : N0132396.D
 Acq On : 30 Aug 2024 5:16 pm
 Operator : jeniferw
 Sample : FC18198-6MSD
 Misc : MS57392,VN6712,,,,,
 ALS Vial : 27 Sample Multiplier: 1

Quant Time: Sep 03 05:51:26 2024
 Quant Method : C:\msdchem\1\methods\SIMCL_VN6705_082024.M
 Quant Title : Standard Methods 6200B
 QLast Update : Tue Aug 20 14:01:28 2024
 Response via : Initial Calibration



7.4.4
7



Methods: SW-846 8260B

Data File : C:\msdchem\1\data\08-20-24\N0132197.D

Vial: 1

Acq On : 20 Aug 2024 9:04 am

Operator: jeniferw

Sample : BFB

Inst : MSVOA6-N

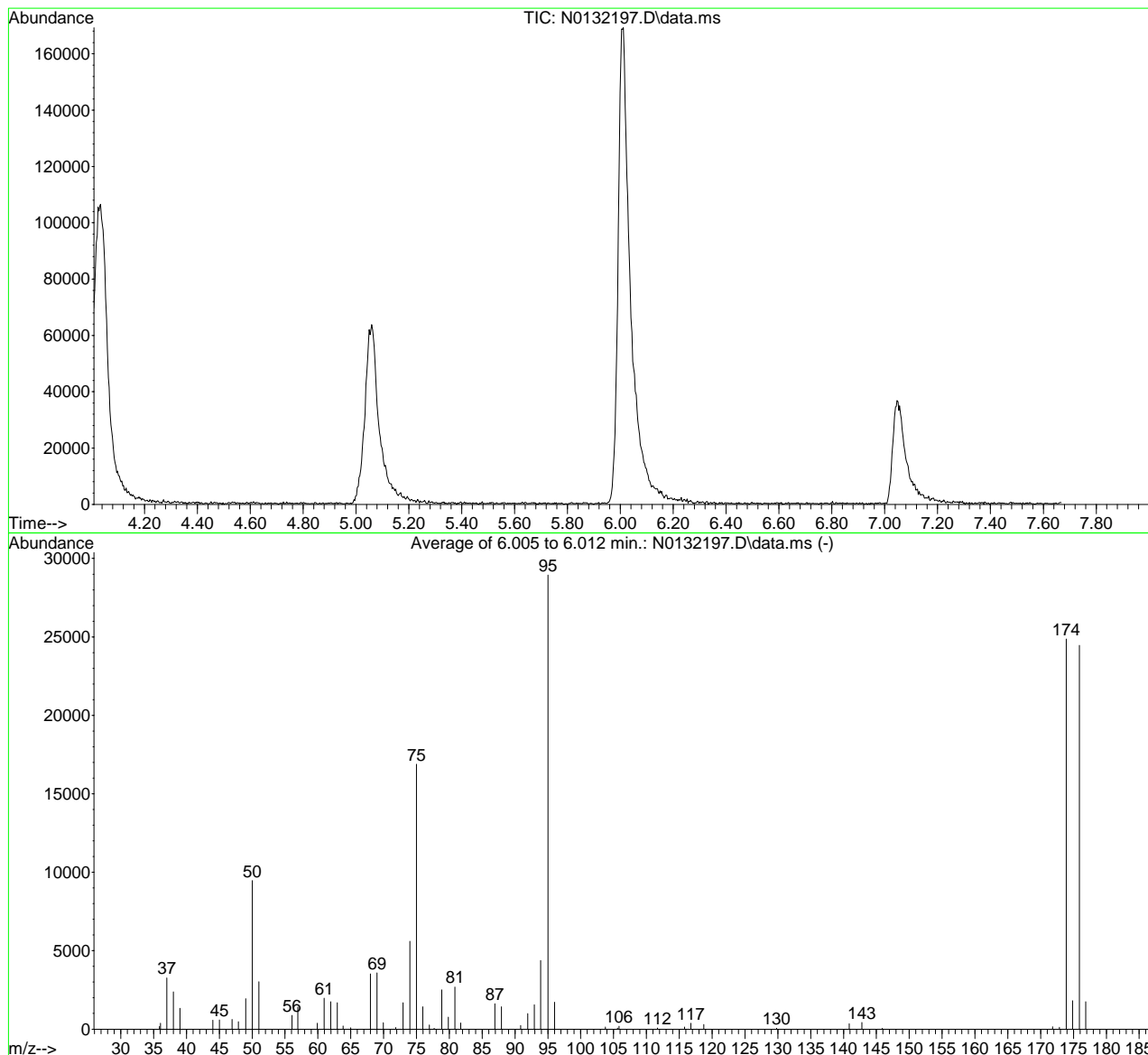
Misc : MS57274,VN6705,,,,,

Multiplr: 1.00

MS Integration Params: rteint.p

Method : C:\msdchem\1\met..._VN6705_082024.M (RTE Integrator)

Title : Standard Methods 6200B



AutoFind: Scans 721, 722, 723; Background Corrected with Scan 702

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
95	95	100	100	100.0	28939	PASS
96	95	5	9	5.9	1718	PASS
173	174	0.00	2	0.5	120	PASS
174	95	50	200	85.9	24867	PASS
175	174	5	9	7.3	1811	PASS
176	174	95	105	98.4	24459	PASS
177	176	5	10	7.1	1743	PASS

Methods: SW-846 8260B

Data File : C:\msdchem\1\data\08-30-24\N0132370.D

Vial: 1

Acq On : 30 Aug 2024 6:56 am

Operator: jeniferw

Sample : BFB

Inst : MSVOA6-N

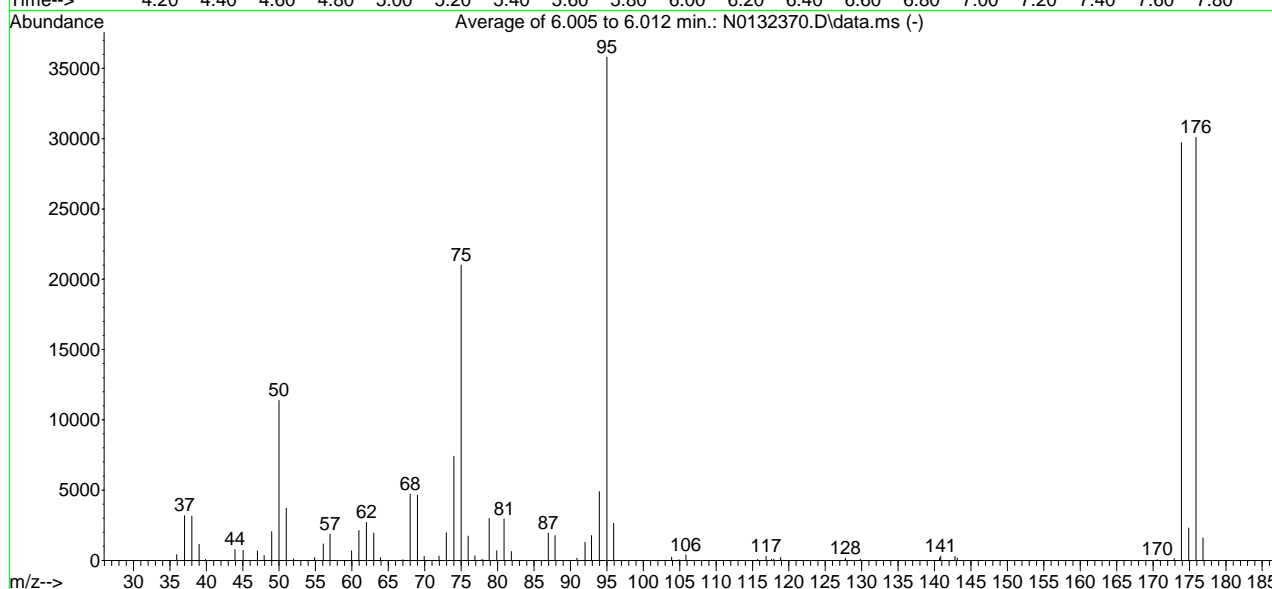
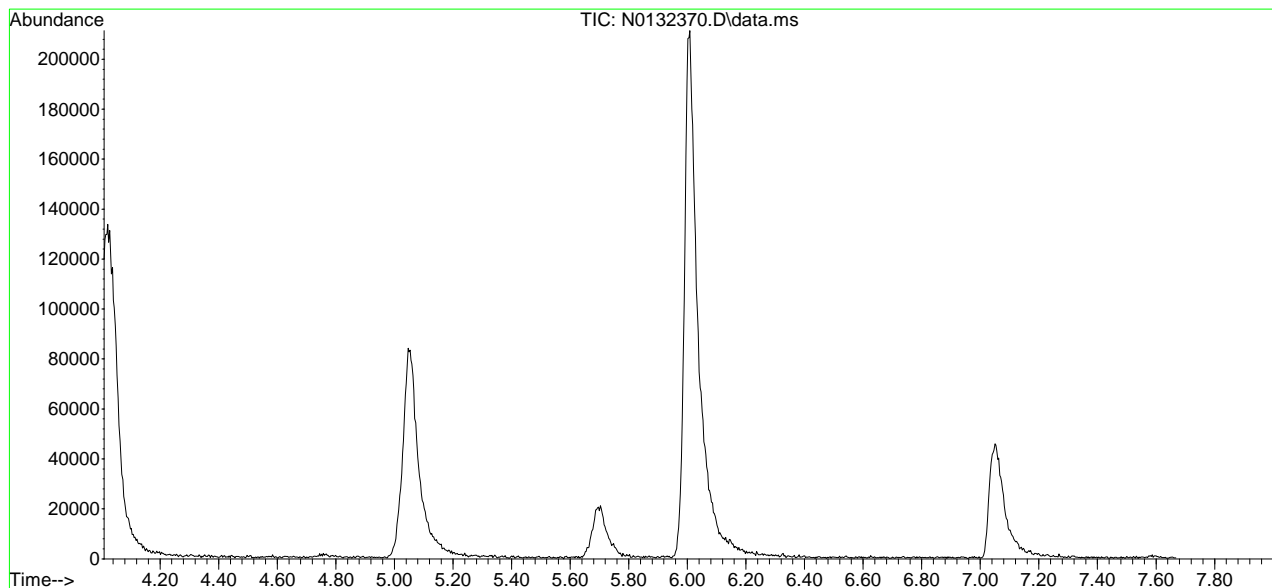
Misc : MS57382,VN6712,,,,,

Multiplr: 1.00

MS Integration Params: rteint.p

Method : C:\msdchem\1\met..._VN6705_082024.M (RTE Integrator)

Title : Standard Methods 6200B



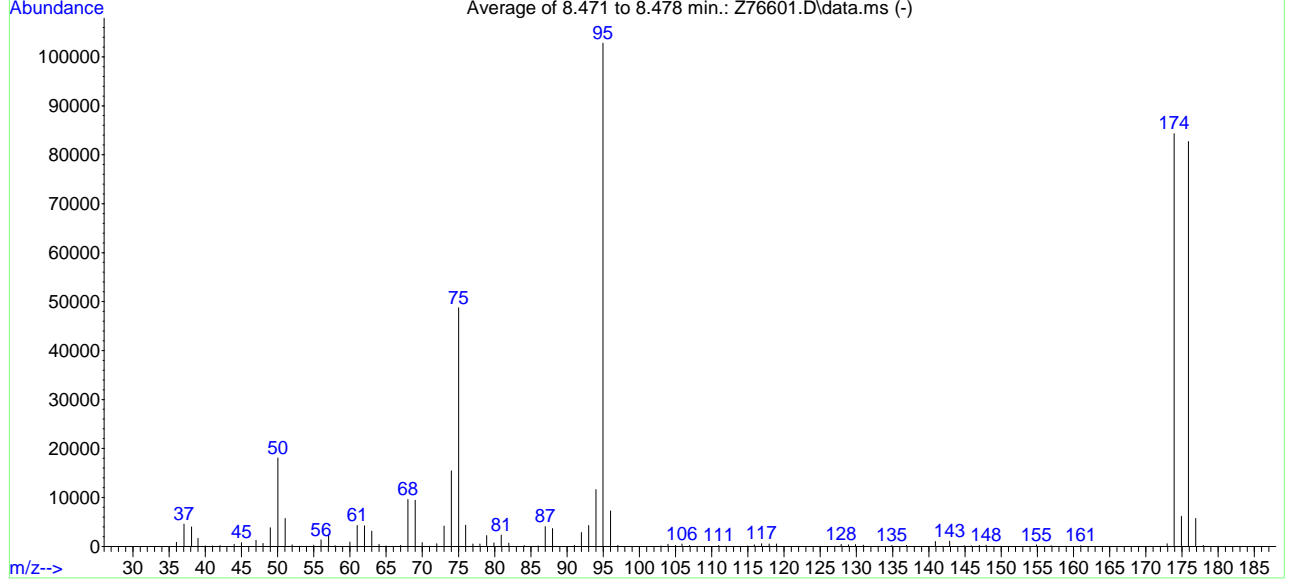
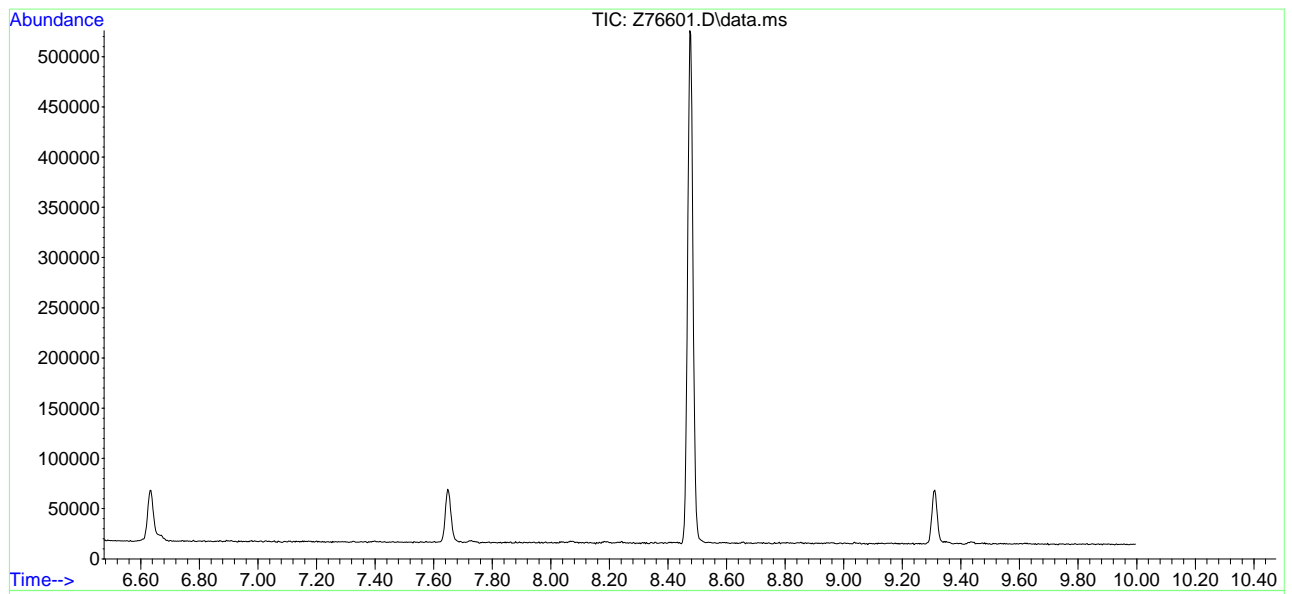
AutoFind: Scans 721, 722, 723; Background Corrected with Scan 701

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
95	95	100	100	100.0	35797	PASS
96	95	5	9	7.4	2648	PASS
173	174	0.00	2	0.5	134	PASS
174	95	50	200	83.0	29725	PASS
175	174	5	9	7.8	2310	PASS
176	174	95	105	101.2	30096	PASS
177	176	5	10	5.3	1610	PASS

Methods: SW-846 8260B

Data File : C:\msdchem\1\data\082824\Z76601.D Vial: 1
 Acq On : 28 Aug 2024 7:36 am Operator: claudias
 Sample : bfb Inst : MSVOA15-Z
 Misc : MS57344,VZ3084,,,,, Multiplr: 1.00
 MS Integration Params: micro.p

Method : C:\msdchem\1\met...MCL-08-28-2024.M (RTE Integrator)
 Title : Standard Methods 6200B



AutoFind: Scans 1488, 1489, 1490; Background Corrected with Scan 1477

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
95	95	100	100	100.0	102783	PASS
96	95	5	9	7.1	7256	PASS
173	174	0.00	2	0.6	537	PASS
174	95	50	200	82.0	84304	PASS
175	174	5	9	7.3	6173	PASS
176	174	95	105	98.1	82709	PASS
177	176	5	10	6.9	5685	PASS



7.5.3
7

Methods: SW-846 8260B

Data File : C:\msdchem\1\data\082924\Z76640.D

Vial: 1

Acq On : 29 Aug 2024 6:55 am

Operator: claudias

Sample : bfb

Inst : MSVOA15-Z

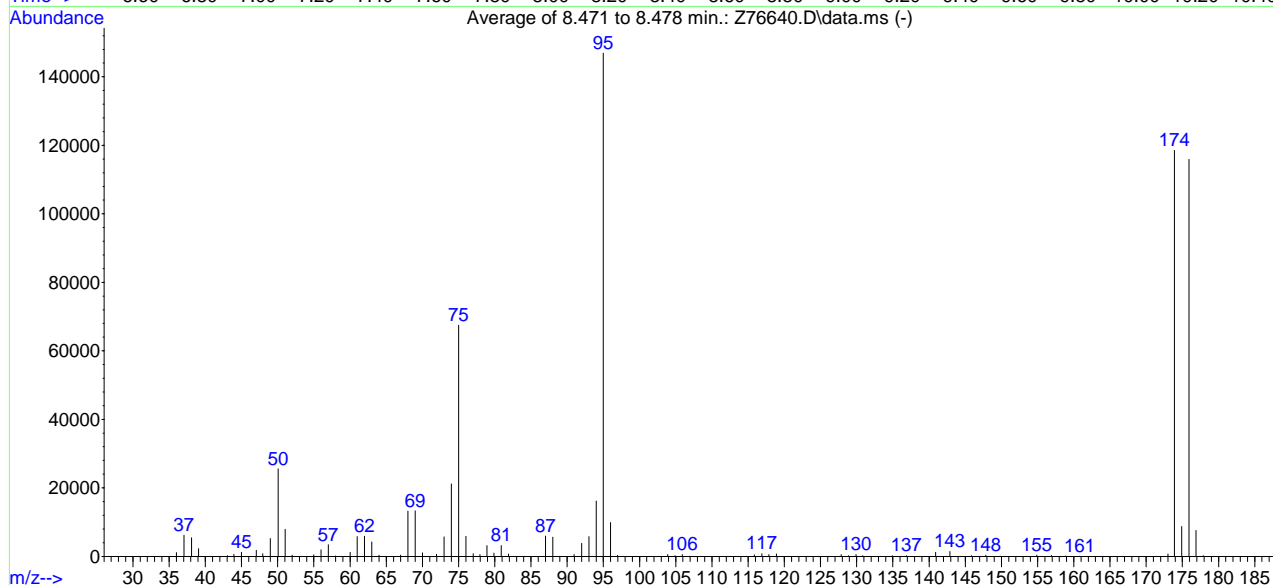
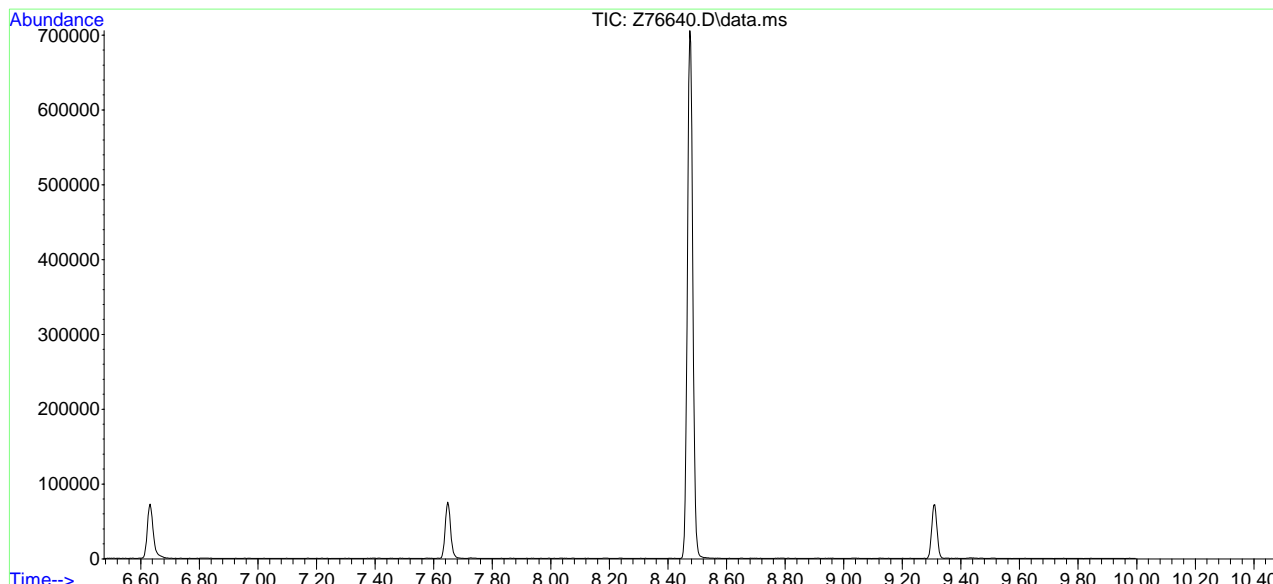
Misc : MS57380,VZ3086,,,,,

Multiplr: 1.00

MS Integration Params: micro.p

Method : C:\msdchem\1\met...MCL-08-28-2024.M (RTE Integrator)

Title : Standard Methods 6200B



AutoFind: Scans 1488, 1489, 1490; Background Corrected with Scan 1477

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
95	95	100	100	100.0	146880	PASS
96	95	5	9	6.7	9902	PASS
173	174	0.00	2	0.6	715	PASS
174	95	50	200	80.7	118525	PASS
175	174	5	9	7.4	8713	PASS
176	174	95	105	97.8	115933	PASS
177	176	5	10	6.6	7598	PASS



7.5.4
7

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\08-20-24\
 Data File : N0132200.D
 Acq On : 20 Aug 2024 10:17 am
 Operator : jeniferw
 Sample : IC6705-3
 Misc : MS57318,VN6705,,,,,
 ALS Vial : 4 Sample Multiplier: 1

Quant Time: Aug 20 11:00:35 2024
 Quant Method : C:\msdchem\1\methods\SIMCL_VN6705_082024.M
 Quant Title : Standard Methods 6200B
 QLast Update : Wed May 22 11:09:52 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Fluorobenzene	6.341	96	46182	5.00	ug/L	0.00
18) Chlorobenzene-d5	9.519	117	30522	5.00	ug/L	0.00
System Monitoring Compounds						
13) 1,2-Dichloroethane-d4	6.045	65	21421	6.43	ug/L	0.00
Spiked Amount	5.000	Range 74 - 125	Recovery	=	128.60%#	
19) Toluene-d8	7.951	98	33133	5.47	ug/L	0.00
Spiked Amount	5.000	Range 88 - 111	Recovery	=	109.40%	
Target Compounds						
						Qvalue
2) Vinyl Chloride	2.065	62	2279	1.70	ug/L	96
3) Chloromethane	1.982	50	3557	2.28	ug/L	99
4) 1,1-Dichloroethene	3.152	61	2696	1.52	ug/L	89
5) Methylene Chloride	3.718	49	5181	2.31	ug/L	81
6) trans-1,2-Dichloroethene	3.888	61	2171	1.34	ug/L	83
7) 1,1-Dichloroethane	4.492	63	3108	1.41	ug/L	98
8) cis-1,2-Dichloroethene	5.047	96	1281	1.02	ug/L #	79
9) Chloroform	5.303	83	3640	1.37	ug/L	92
10) Carbon Tetrachloride	5.473	117	1305	1.04	ug/L	97
11) 1,1,1-Trichloroethane	5.527	97	1917	1.00	ug/L	89
12) Benzene	5.923	78	4760	1.25	ug/L	93
14) 1,2-Dichloroethane	6.125	62	2409	1.35	ug/L	90
15) Trichloroethene	6.543	95	1301	1.02	ug/L	93
16) 1,2-Dichloropropane	7.052	63	1534	1.40	ug/L	91
17) cis-1,3-Dichloropropene	7.785	75	1038	0.98	ug/L	86
20) trans-1,3-Dichloropropene	8.462	75	856	0.86	ug/L #	71
21) Tetrachloroethene	8.418	166	1339	0.95	ug/L #	96
22) 1,4-Dichlorobenzene	11.909	146	2846	1.00	ug/L #	73
23) 1,2-Dibromo-3-Chloropr...	13.189	75	271m	1.09	ug/L	

(#) = qualifier out of range (m) = manual integration (+) = signals summed

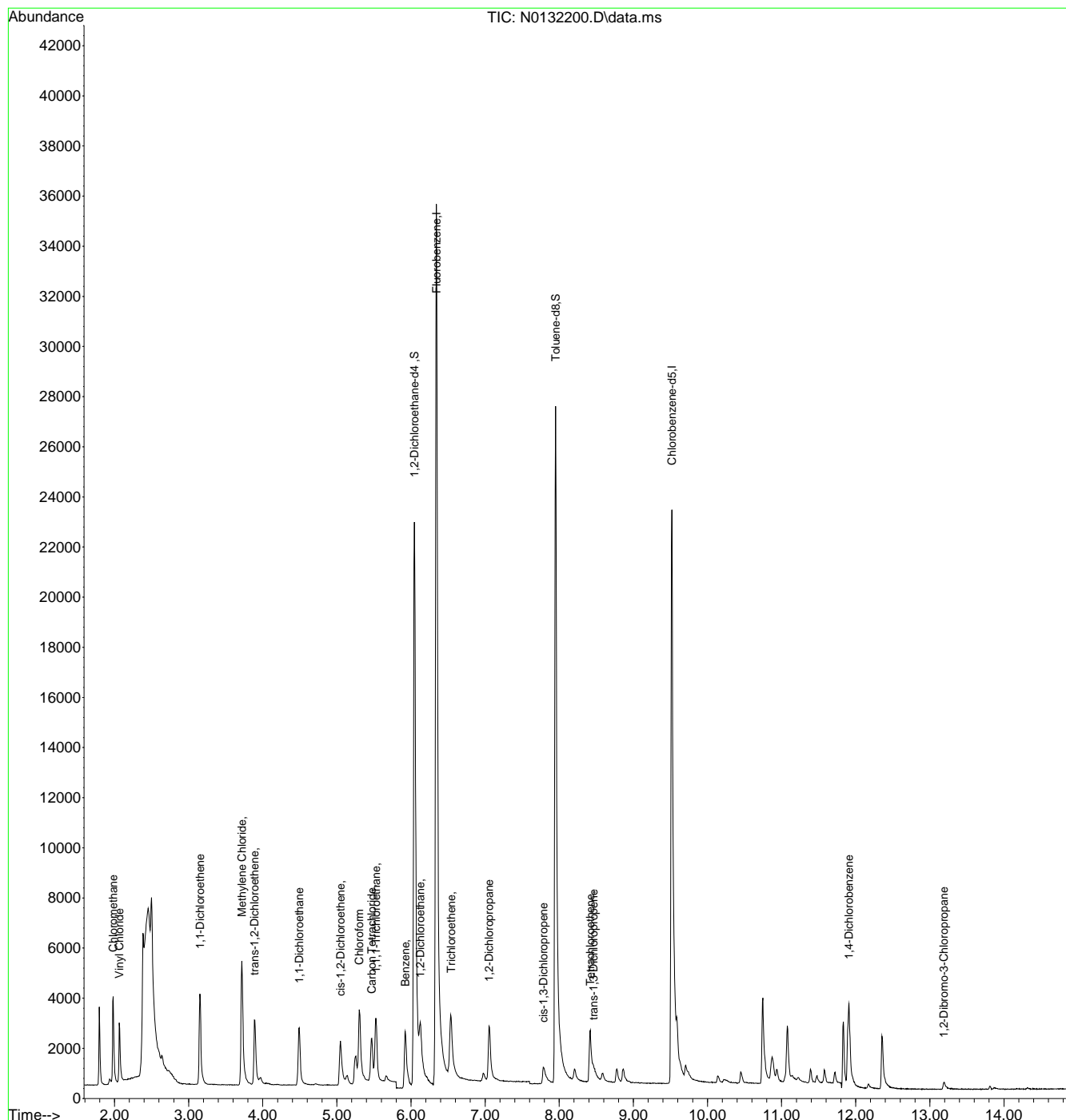
7.6.1
7



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\08-20-24\
 Data File : N0132200.D
 Acq On : 20 Aug 2024 10:17 am
 Operator : jeniferw
 Sample : IC6705-3
 Misc : MS57318,VN6705,,,,,
 ALS Vial : 4 Sample Multiplier: 1

Quant Time: Aug 20 11:00:35 2024
 Quant Method : C:\msdchem\1\methods\SIMCL_VN6705_082024.M
 Quant Title : Standard Methods 6200B
 QLast Update : Wed May 22 11:09:52 2024
 Response via : Initial Calibration

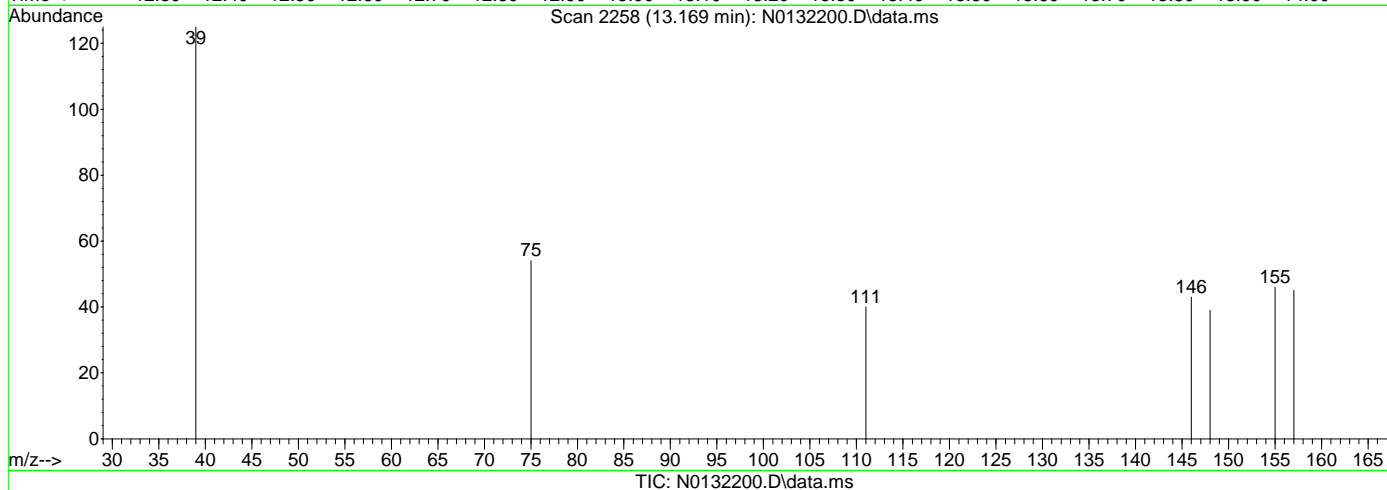
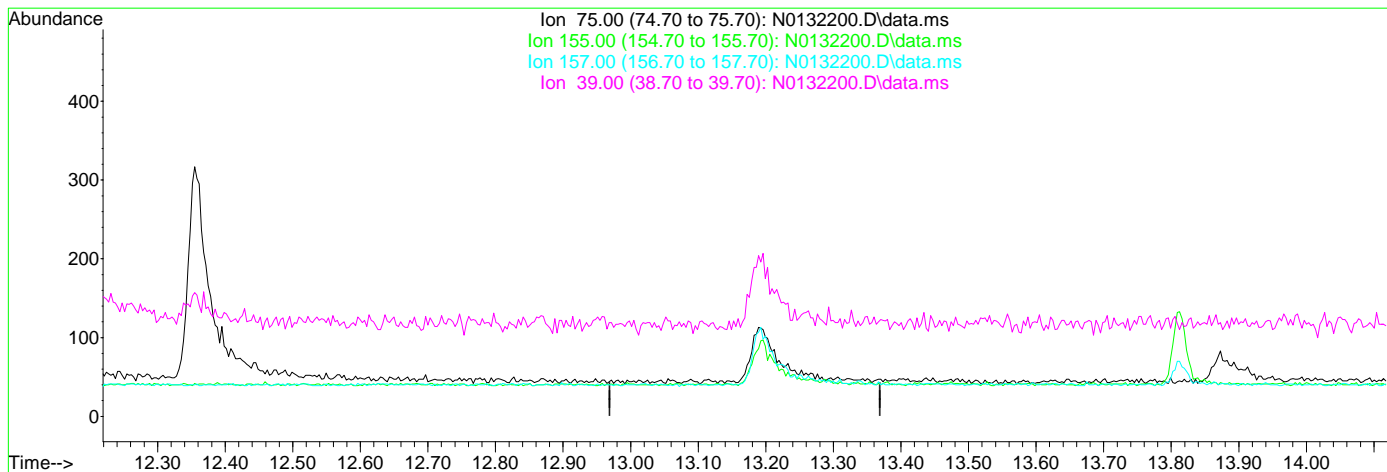


1.9.7
7

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\08-20-24\
 Data File : N0132200.D
 Acq On : 20 Aug 2024 10:17 am
 Operator : jeniferw
 Sample : IC6705-3
 Misc : MS57274,VN6705,,,,,
 ALS Vial : 4 Sample Multiplier: 1

Quant Time: Aug 20 10:44:20 2024
 Quant Method : C:\msdchem\1\methods\SIMCL_VN6705_082024.M
 Quant Title : Standard Methods 6200B
 QLast Update : Wed May 22 11:09:52 2024
 Response via : Initial Calibration



(23) 1,2-Dibromo-3-Chloropropane

13.169min (-13.169) 0.00ug/L

response 0

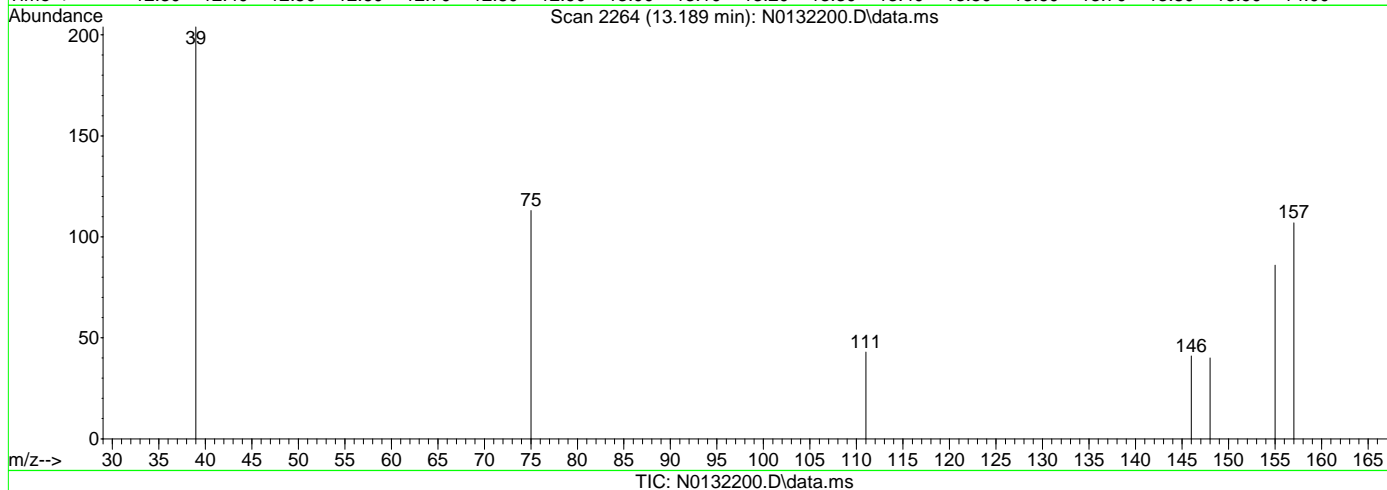
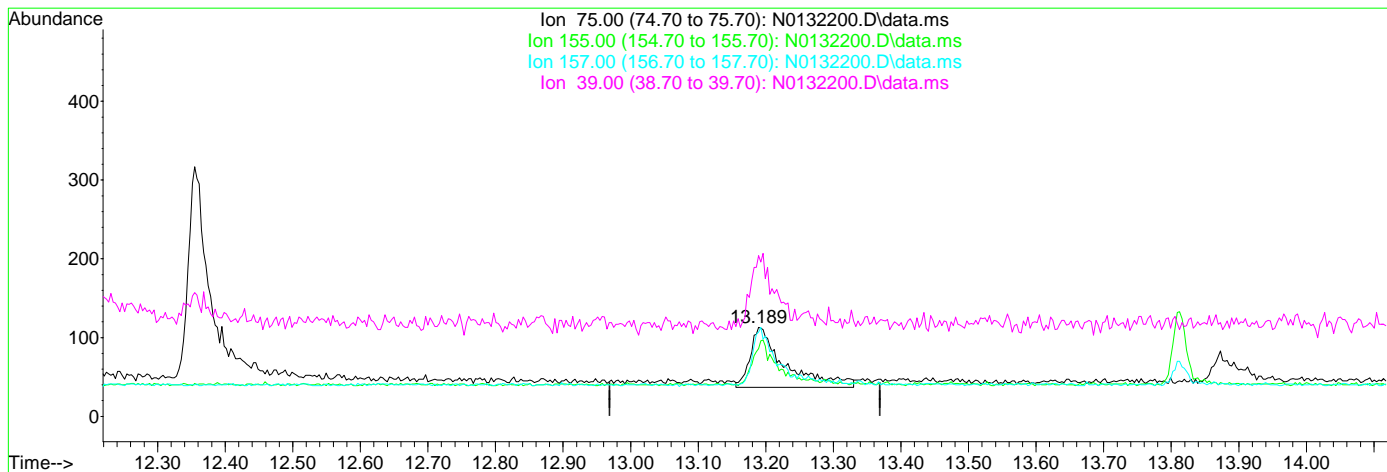
Ion	Exp%	Act%
75.00	100	0.00
155.00	95.00	0.00#
157.00	121.70	0.00#
39.00	85.30	0.00#

7.6.1.1
7

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\08-20-24\
 Data File : N0132200.D
 Acq On : 20 Aug 2024 10:17 am
 Operator : jeniferw
 Sample : IC6705-3
 Misc : MS57274,VN6705,,,,,
 ALS Vial : 4 Sample Multiplier: 1

Quant Time: Aug 20 10:44:20 2024
 Quant Method : C:\msdchem\1\methods\SIMCL_VN6705_082024.M
 Quant Title : Standard Methods 6200B
 QLast Update : Wed May 22 11:09:52 2024
 Response via : Initial Calibration



(23) 1,2-Dibromo-3-Chloropropane

13.189min (+0.020) 1.09ug/L m

response 271

Ion	Exp%	Act%
75.00	100	100
155.00	95.00	76.11
157.00	121.70	94.69
39.00	85.30	180.53#

7.6.1.2
7

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\08-20-24\
 Data File : N0132201.D
 Acq On : 20 Aug 2024 10:41 am
 Operator : jeniferw
 Sample : IC6705-4
 Misc : MS57318,VN6705,,,,,
 ALS Vial : 5 Sample Multiplier: 1

Quant Time: Aug 20 10:59:46 2024
 Quant Method : C:\msdchem\1\methods\SIMCL_VN6705_082024.M
 Quant Title : Standard Methods 6200B
 QLast Update : Wed May 22 11:09:52 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

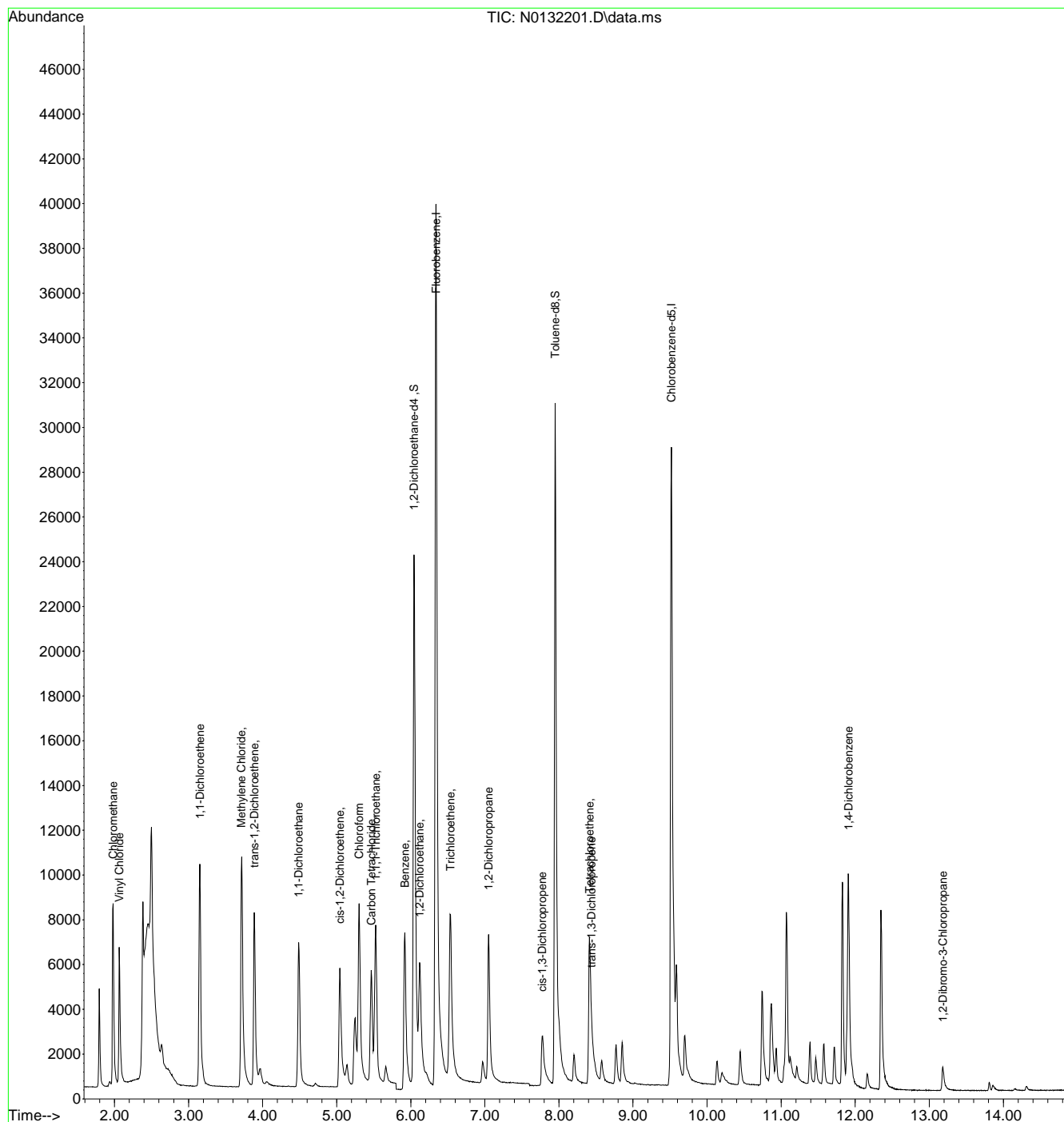
Internal Standards						
1) Fluorobenzene	6.341	96	50648	5.00	ug/L	0.00
18) Chlorobenzene-d5	9.519	117	35540	5.00	ug/L	0.00
System Monitoring Compounds						
13) 1,2-Dichloroethane-d4	6.045	65	22204	6.08	ug/L	0.00
Spiked Amount	5.000	Range 74 - 125	Recovery	=	121.60%	
19) Toluene-d8	7.951	98	35982	5.10	ug/L	0.00
Spiked Amount	5.000	Range 88 - 111	Recovery	=	102.00%	
Target Compounds						
						Qvalue
2) Vinyl Chloride	2.065	62	5841	3.98	ug/L	94
3) Chloromethane	1.982	50	8302	4.86	ug/L	99
4) 1,1-Dichloroethene	3.152	61	7294	3.75	ug/L	91
5) Methylene Chloride	3.712	49	10894	4.43	ug/L	75
6) trans-1,2-Dichloroethene	3.888	61	6014	3.40	ug/L	87
7) 1,1-Dichloroethane	4.487	63	8339	3.45	ug/L	95
8) cis-1,2-Dichloroethene	5.041	96	3496	2.54	ug/L #	77
9) Chloroform	5.303	83	8721	2.99	ug/L	94
10) Carbon Tetrachloride	5.466	117	3737	2.70	ug/L	97
11) 1,1,1-Trichloroethane	5.527	97	5256	2.49	ug/L	89
12) Benzene	5.919	78	13106	3.13	ug/L	90
14) 1,2-Dichloroethane	6.121	62	6527	3.34	ug/L	93
15) Trichloroethene	6.537	95	3617	2.59	ug/L	93
16) 1,2-Dichloropropane	7.053	63	4202	3.49	ug/L	92
17) cis-1,3-Dichloropropene	7.774	75	3251	2.81	ug/L	91
20) trans-1,3-Dichloropropene	8.440	75	3079	2.67	ug/L	89
21) Tetrachloroethene	8.413	166	3763	2.28	ug/L #	96
22) 1,4-Dichlorobenzene	11.909	146	8216	2.47	ug/L	88
23) 1,2-Dibromo-3-Chloropr...	13.183	75	654	2.26	ug/L #	70

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\08-20-24\
 Data File : N0132201.D
 Acq On : 20 Aug 2024 10:41 am
 Operator : jeniferw
 Sample : IC6705-4
 Misc : MS57318,VN6705,,,,,
 ALS Vial : 5 Sample Multiplier: 1

Quant Time: Aug 20 10:59:46 2024
 Quant Method : C:\msdchem\1\methods\SIMCL_VN6705_082024.M
 Quant Title : Standard Methods 6200B
 QLast Update : Wed May 22 11:09:52 2024
 Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\08-20-24\
 Data File : N0132202.D
 Acq On : 20 Aug 2024 11:04 am
 Operator : jeniferw
 Sample : ICC6705-5
 Misc : MS57318,VN6705,,,,,
 ALS Vial : 6 Sample Multiplier: 1

Quant Time: Aug 20 11:20:16 2024
 Quant Method : C:\msdchem\1\methods\SIMCL_VN6705_082024.M
 Quant Title : Standard Methods 6200B
 QLast Update : Wed May 22 11:09:52 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	

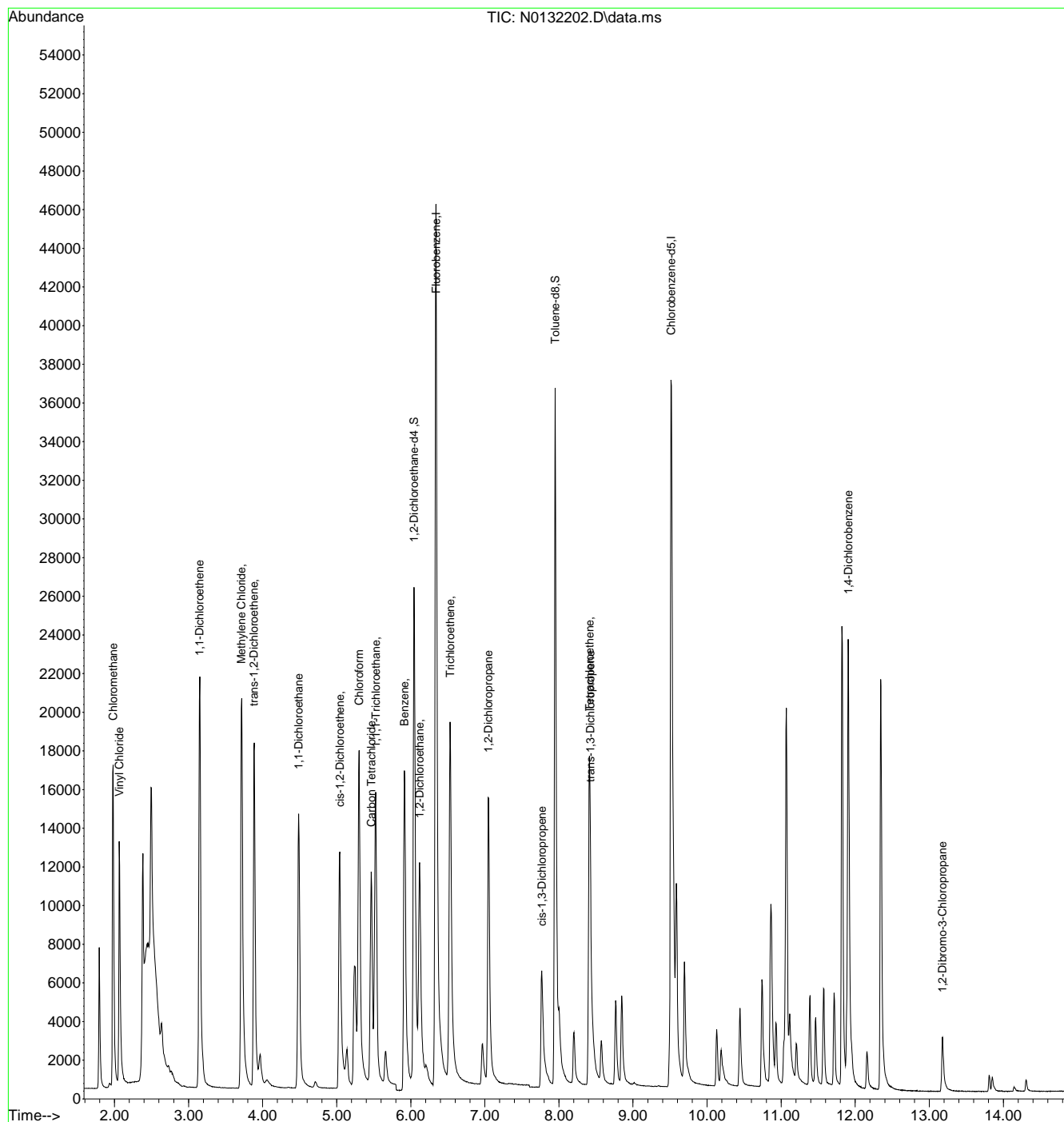
Internal Standards							
1) Fluorobenzene	6.341	96	57601	5.00	ug/L	0.00	
18) Chlorobenzene-d5	9.514	117	36791	5.00	ug/L	0.00	
System Monitoring Compounds							
13) 1,2-Dichloroethane-d4	6.045	65	24119	5.81	ug/L	0.00	
Spiked Amount	5.000	Range 74 - 125	Recovery	=	116.20%		
19) Toluene-d8	7.951	98	40760	5.58	ug/L	0.00	
Spiked Amount	5.000	Range 88 - 111	Recovery	=	111.60%#		
Target Compounds							
							Qvalue
2) Vinyl Chloride	2.065	62	12559	7.52	ug/L		94
3) Chloromethane	1.982	50	17210	8.86	ug/L		99
4) 1,1-Dichloroethene	3.147	61	15828	7.16	ug/L		85
5) Methylene Chloride	3.712	49	21315	7.62	ug/L		75
6) trans-1,2-Dichloroethene	3.883	61	13357	6.63	ug/L		82
7) 1,1-Dichloroethane	4.487	63	17936	6.52	ug/L		96
8) cis-1,2-Dichloroethene	5.042	96	7655	4.88	ug/L #		81
9) Chloroform	5.303	83	17762	5.35	ug/L		94
10) Carbon Tetrachloride	5.466	117	8068	5.13	ug/L		97
11) 1,1,1-Trichloroethane	5.527	97	11455	4.78	ug/L		92
12) Benzene	5.915	78	28737	6.04	ug/L		90
14) 1,2-Dichloroethane	6.121	62	14104	6.35	ug/L		93
15) Trichloroethene	6.531	95	8092	5.10	ug/L		88
16) 1,2-Dichloropropane	7.047	63	9164	6.70	ug/L		93
17) cis-1,3-Dichloropropene	7.769	75	7699	5.84	ug/L		91
20) trans-1,3-Dichloropropene	8.424	75	7735	6.47	ug/L		89
21) Tetrachloroethene	8.413	166	8026	4.71	ug/L #		98
22) 1,4-Dichlorobenzene	11.906	146	18712	5.44	ug/L		91
23) 1,2-Dibromo-3-Chloropr...	13.176	75	1582	5.29	ug/L #		72

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\08-20-24\
 Data File : N0132202.D
 Acq On : 20 Aug 2024 11:04 am
 Operator : jeniferw
 Sample : ICC6705-5
 Misc : MS57318,VN6705,,,,,
 ALS Vial : 6 Sample Multiplier: 1

Quant Time: Aug 20 11:20:16 2024
 Quant Method : C:\msdchem\1\methods\SIMCL_VN6705_082024.M
 Quant Title : Standard Methods 6200B
 QLast Update : Wed May 22 11:09:52 2024
 Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\08-20-24\
 Data File : N0132203.D
 Acq On : 20 Aug 2024 11:28 am
 Operator : jeniferw
 Sample : IC6705-6
 Misc : MS57318,VN6705,,,,,
 ALS Vial : 7 Sample Multiplier: 1

Quant Time: Aug 20 11:51:08 2024
 Quant Method : C:\msdchem\1\methods\SIMCL_VN6705_082024.M
 Quant Title : Standard Methods 6200B
 QLast Update : Wed May 22 11:09:52 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	

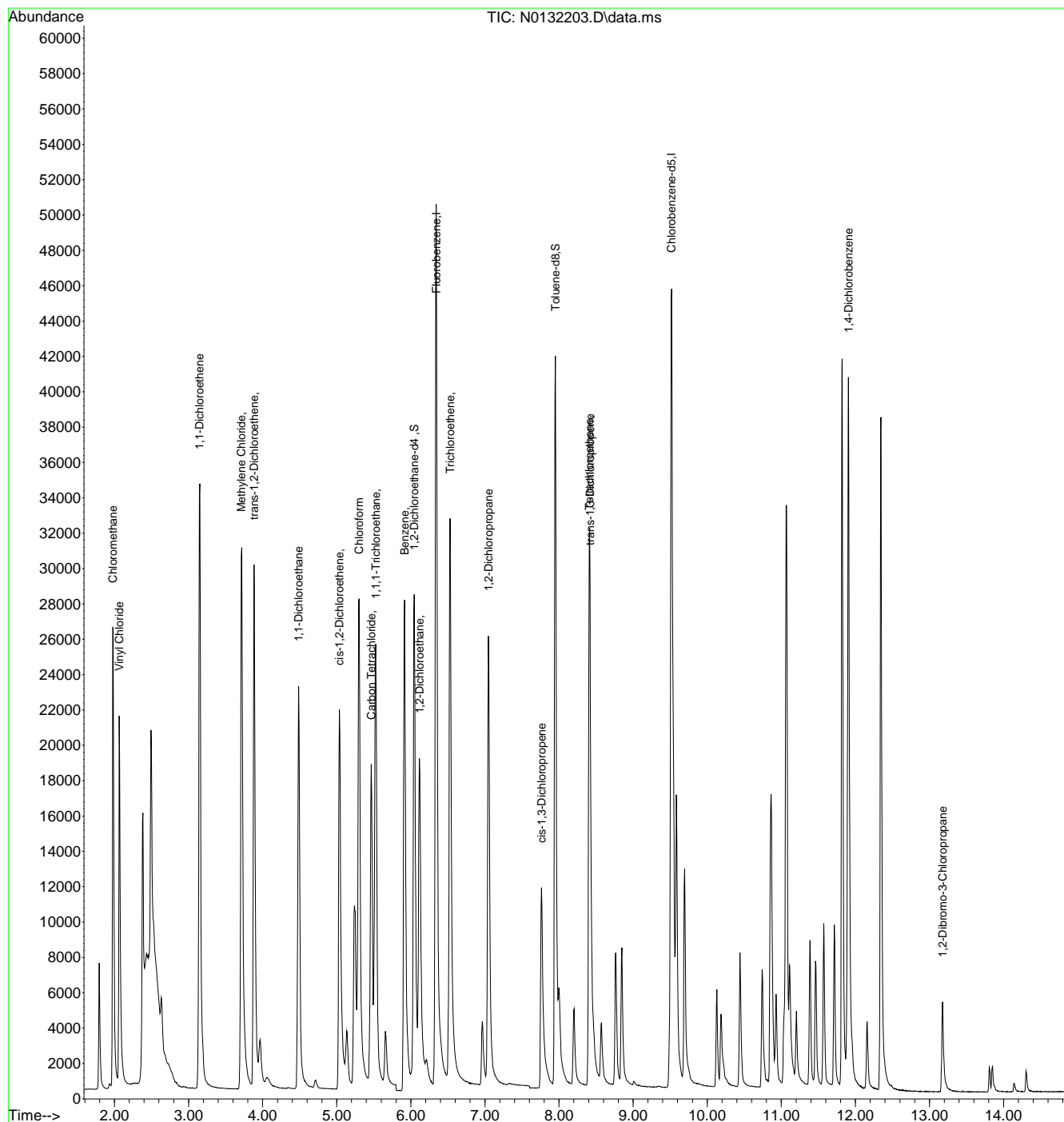
Internal Standards							
1) Fluorobenzene	6.341	96	62820	5.00	ug/L	0.00	
18) Chlorobenzene-d5	9.514	117	41500	5.00	ug/L	0.00	
System Monitoring Compounds							
13) 1,2-Dichloroethane-d4	6.045	65	26036	5.75	ug/L	0.00	
Spiked Amount	5.000	Range 74 - 125	Recovery	=	115.00%		
19) Toluene-d8	7.951	98	45907	5.57	ug/L	0.00	
Spiked Amount	5.000	Range 88 - 111	Recovery	=	111.40%#		
Target Compounds							
							Qvalue
2) Vinyl Chloride	2.065	62	20844	11.45	ug/L		94
3) Chloromethane	1.977	50	27127	12.80	ug/L		99
4) 1,1-Dichloroethene	3.147	61	25712	10.66	ug/L		86
5) Methylene Chloride	3.712	49	32479	10.65	ug/L		76
6) trans-1,2-Dichloroethene	3.883	61	21918	9.98	ug/L		84
7) 1,1-Dichloroethane	4.487	63	28686	9.56	ug/L		98
8) cis-1,2-Dichloroethene	5.036	96	12700	7.43	ug/L #		75
9) Chloroform	5.303	83	28040	7.75	ug/L		96
10) Carbon Tetrachloride	5.466	117	13283	7.75	ug/L		96
11) 1,1,1-Trichloroethane	5.527	97	18815	7.20	ug/L		91
12) Benzene	5.915	78	46884	9.04	ug/L		92
14) 1,2-Dichloroethane	6.116	62	22194	9.17	ug/L		93
15) Trichloroethene	6.531	95	13449	7.77	ug/L		90
16) 1,2-Dichloropropane	7.047	63	14788	9.92	ug/L		93
17) cis-1,3-Dichloropropene	7.764	75	13326	9.28	ug/L		90
20) trans-1,3-Dichloropropene	8.418	75	13780	10.23	ug/L		89
21) Tetrachloroethene	8.407	166	13210	6.87	ug/L #		98
22) 1,4-Dichlorobenzene	11.906	146	30877	7.96	ug/L		93
23) 1,2-Dibromo-3-Chloropr...	13.176	75	2628	7.79	ug/L		77

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\08-20-24\
Data File : N0132203.D
Acq On : 20 Aug 2024 11:28 am
Operator : jeniferw
Sample : IC6705-6
Misc : MS57318,VN6705,,,,,
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Aug 20 11:51:08 2024
Quant Method : C:\msdchem\1\methods\SIMCL_VN6705_082024.M
Quant Title : Standard Methods 6200B
QLast Update : Wed May 22 11:09:52 2024
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\08-20-24\
 Data File : N0132204.D
 Acq On : 20 Aug 2024 11:51 am
 Operator : jeniferw
 Sample : IC6705-7
 Misc : MS57318,VN6705,,,,,
 ALS Vial : 8 Sample Multiplier: 1

Quant Time: Aug 20 12:07:12 2024
 Quant Method : C:\msdchem\1\methods\SIMCL_VN6705_082024.M
 Quant Title : Standard Methods 6200B
 QLast Update : Tue Aug 20 11:59:16 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	

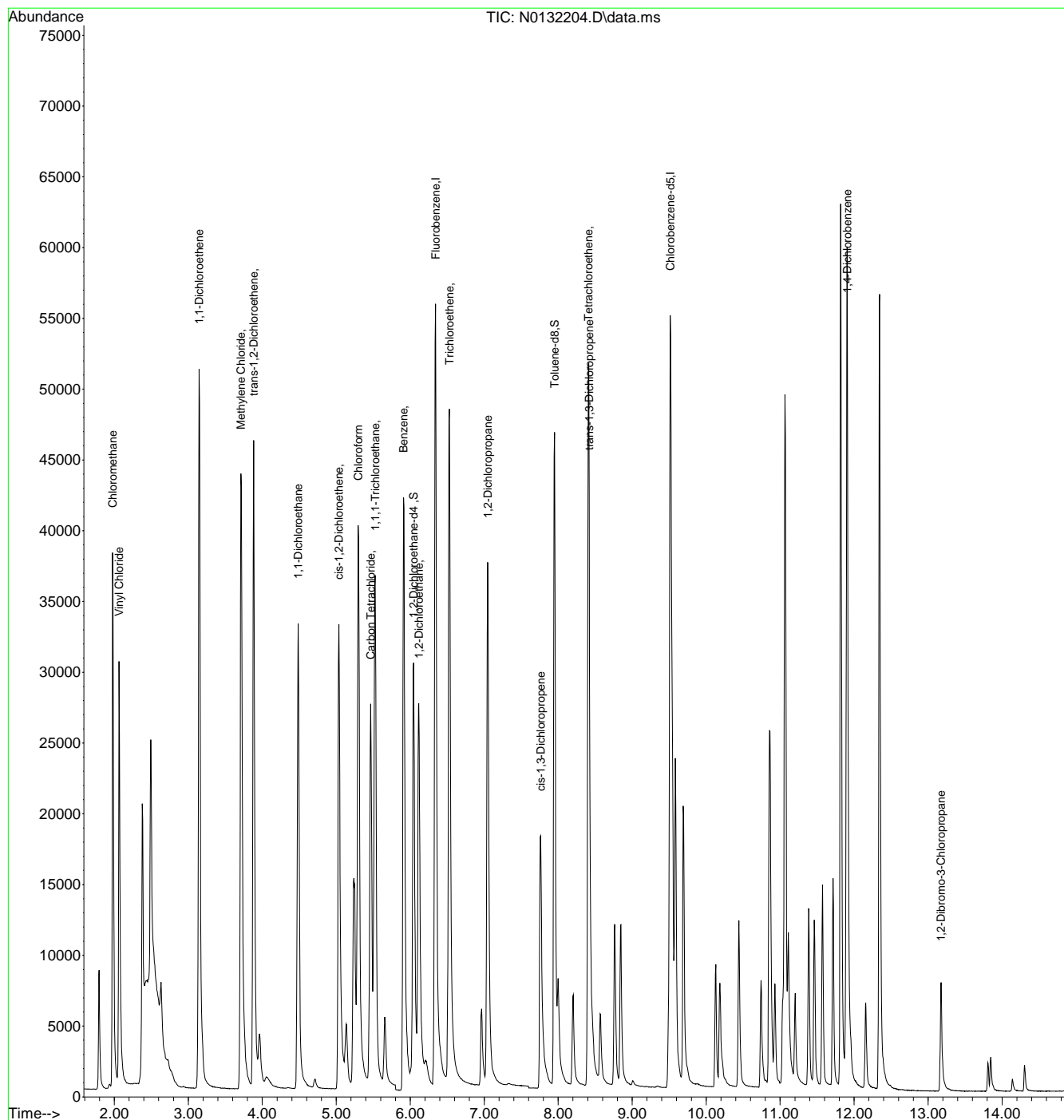
Internal Standards							
1) Fluorobenzene	6.341	96	69391	5.00	ug/L	0.00	
18) Chlorobenzene-d5	9.514	117	46307	5.00	ug/L	0.00	
System Monitoring Compounds							
13) 1,2-Dichloroethane-d4	6.045	65	27853	4.48	ug/L	0.00	
Spiked Amount	5.000	Range 74 - 125	Recovery	=	89.60%		
19) Toluene-d8	7.951	98	50729	4.98	ug/L	0.00	
Spiked Amount	5.000	Range 88 - 111	Recovery	=	99.60%		
Target Compounds							
							Qvalue
2) Vinyl Chloride	2.065	62	29031	14.67	ug/L		99
3) Chloromethane	1.977	50	37619	13.89	ug/L		97
4) 1,1-Dichloroethene	3.147	61	37603	17.34	ug/L		96
5) Methylene Chloride	3.712	49	45706	15.45	ug/L		96
6) trans-1,2-Dichloroethene	3.883	61	32274	17.55	ug/L		96
7) 1,1-Dichloroethane	4.487	63	41444	16.53	ug/L		98
8) cis-1,2-Dichloroethene	5.036	96	18767	17.98	ug/L		98
9) Chloroform	5.296	83	40115	13.76	ug/L		96
10) Carbon Tetrachloride	5.466	117	19636	18.02	ug/L		99
11) 1,1,1-Trichloroethane	5.527	97	27467	17.28	ug/L		99
12) Benzene	5.910	78	69333	17.40	ug/L		100
14) 1,2-Dichloroethane	6.116	62	31799	17.96	ug/L		99
15) Trichloroethene	6.531	95	19716	17.66	ug/L		96
16) 1,2-Dichloropropane	7.047	63	21581	18.03	ug/L		99
17) cis-1,3-Dichloropropene	7.763	75	20502	22.35	ug/L		99
20) trans-1,3-Dichloropropene	8.418	75	21425	26.00	ug/L		97
21) Tetrachloroethene	8.407	166	19204	16.95	ug/L #		97
22) 1,4-Dichlorobenzene	11.906	146	44673	18.33	ug/L		96
23) 1,2-Dibromo-3-Chloropr...	13.172	75	3812	18.20	ug/L		96

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\08-20-24\
 Data File : N0132204.D
 Acq On : 20 Aug 2024 11:51 am
 Operator : jeniferw
 Sample : IC6705-7
 Misc : MS57318,VN6705,,,,,
 ALS Vial : 8 Sample Multiplier: 1

Quant Time: Aug 20 12:07:12 2024
 Quant Method : C:\msdchem\1\methods\SIMCL_VN6705_082024.M
 Quant Title : Standard Methods 6200B
 QLast Update : Tue Aug 20 11:59:16 2024
 Response via : Initial Calibration



7.6.5
7



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\08-20-24\
 Data File : N0132207.D
 Acq On : 20 Aug 2024 1:05 pm
 Operator : jeniferw
 Sample : IC6705-1
 Misc : MS57318,VN6705,,,,,
 ALS Vial : 11 Sample Multiplier: 1

Quant Time: Aug 20 13:21:18 2024
 Quant Method : C:\msdchem\1\methods\SIMCL_VN6705_082024.M
 Quant Title : Standard Methods 6200B
 QLast Update : Tue Aug 20 12:28:26 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	

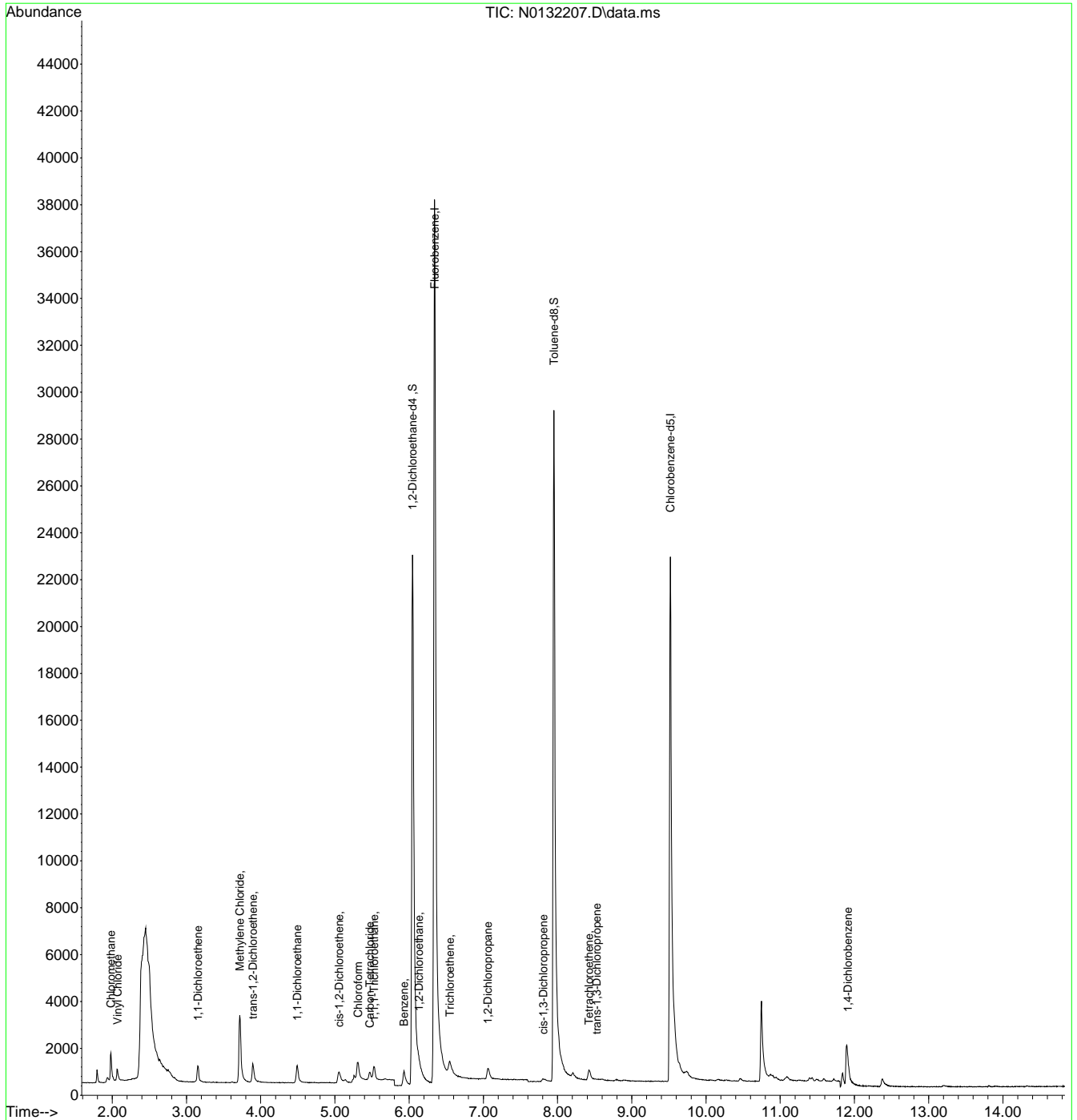
Internal Standards							
1) Fluorobenzene	6.341	96	49779	5.00	ug/L	0.00	
18) Chlorobenzene-d5	9.519	117	31002	5.00	ug/L	0.00	
System Monitoring Compounds							
13) 1,2-Dichloroethane-d4	6.045	65	21712	4.94	ug/L	0.00	
Spiked Amount	5.000	Range 74 - 125	Recovery	=	98.80%		
19) Toluene-d8	7.951	98	36102	5.30	ug/L	0.00	
Spiked Amount	5.000	Range 88 - 111	Recovery	=	106.00%		
Target Compounds							
							Qvalue
2) Vinyl Chloride	2.070	62	522	0.38	ug/L		95
3) Chloromethane	1.982	50	1298	0.70	ug/L		97
4) 1,1-Dichloroethene	3.152	61	535	0.38	ug/L		94
5) Methylene Chloride	3.718	49	3088	1.52	ug/L		93
6) trans-1,2-Dichloroethene	3.894	61	698	0.54	ug/L		95
7) 1,1-Dichloroethane	4.492	63	957	0.55	ug/L		91
8) cis-1,2-Dichloroethene	5.058	96	335	0.45	ug/L		95
9) Chloroform	5.310	83	1449	0.73	ug/L		94
10) Carbon Tetrachloride	5.473	117	253	0.33	ug/L		94
11) 1,1,1-Trichloroethane	5.527	97	441	0.40	ug/L		91
12) Benzene	5.931	78	1563	0.56	ug/L		97
14) 1,2-Dichloroethane	6.129	62	319	0.25	ug/L		80
15) Trichloroethene	6.549	95	410	0.52	ug/L		96
16) 1,2-Dichloropropane	7.058	63	373	0.44	ug/L		88
17) cis-1,3-Dichloropropene	7.807	75	217	0.32	ug/L		73
20) trans-1,3-Dichloropropene	8.528	75	94	0.16	ug/L		74
21) Tetrachloroethene	8.424	166	328	0.44	ug/L #		91
22) 1,4-Dichlorobenzene	11.913	146	897	0.56	ug/L #		26

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\08-20-24\
 Data File : N0132207.D
 Acq On : 20 Aug 2024 1:05 pm
 Operator : jeniferw
 Sample : IC6705-1
 Misc : MS57318,VN6705,,,,,
 ALS Vial : 11 Sample Multiplier: 1

Quant Time: Aug 20 13:21:18 2024
 Quant Method : C:\msdchem\1\methods\SIMCL_VN6705_082024.M
 Quant Title : Standard Methods 6200B
 QLast Update : Tue Aug 20 12:28:26 2024
 Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\08-20-24\
 Data File : N0132208.D
 Acq On : 20 Aug 2024 1:28 pm
 Operator : jeniferw
 Sample : IC6705-2
 Misc : MS57318,VN6705,,,,,
 ALS Vial : 12 Sample Multiplier: 1

Quant Time: Aug 20 13:44:15 2024
 Quant Method : C:\msdchem\1\methods\SIMCL_VN6705_082024.M
 Quant Title : Standard Methods 6200B
 QLast Update : Tue Aug 20 13:23:25 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	

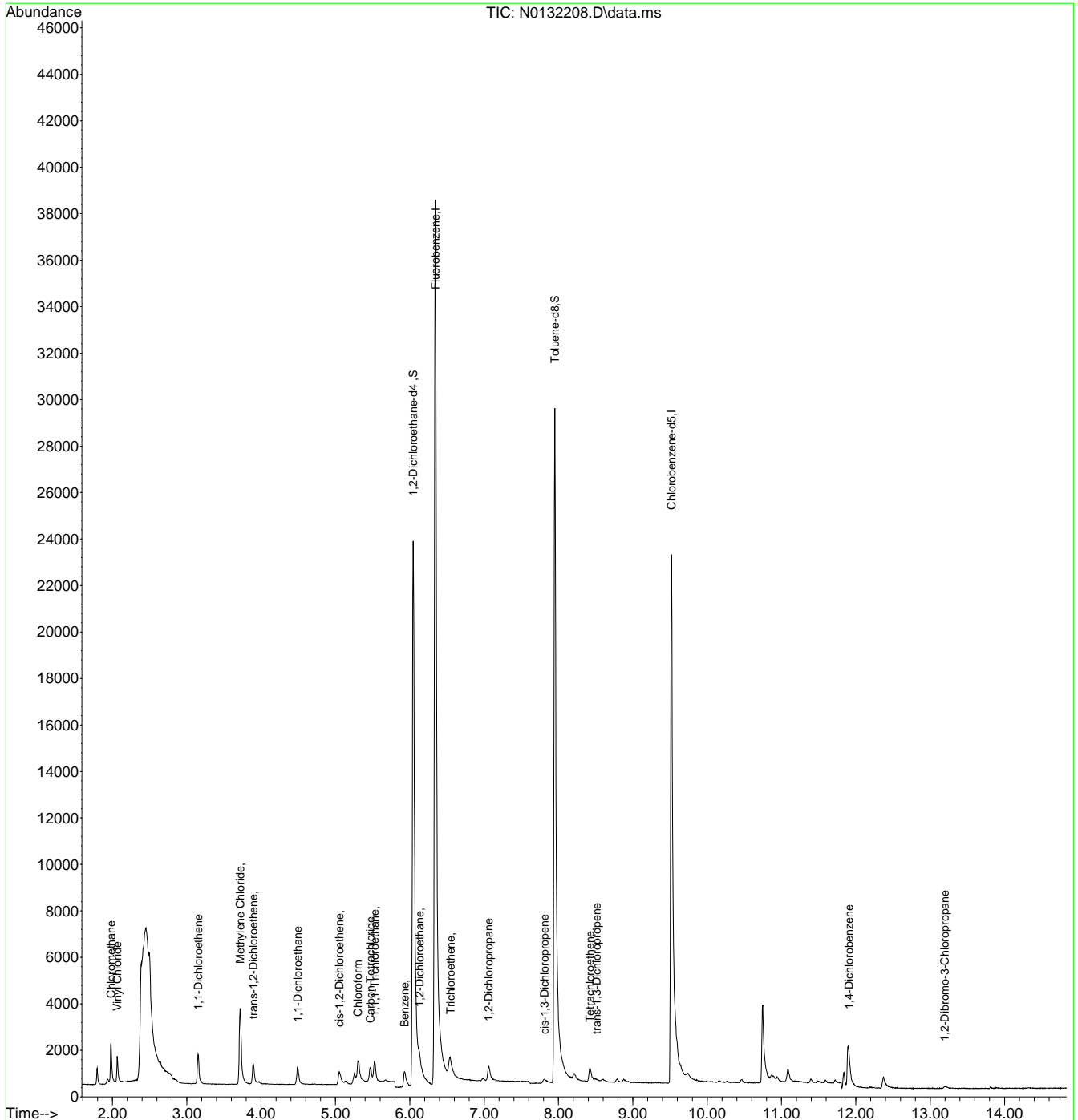
Internal Standards							
1) Fluorobenzene	6.341	96	50625	5.00	ug/L	0.00	
18) Chlorobenzene-d5	9.519	117	31825	5.00	ug/L	0.00	
System Monitoring Compounds							
13) 1,2-Dichloroethane-d4	6.045	65	22163	5.02	ug/L	0.00	
Spiked Amount	5.000	Range 74 - 125	Recovery	=	100.40%		
19) Toluene-d8	7.950	98	36684	5.24	ug/L	0.00	
Spiked Amount	5.000	Range 88 - 111	Recovery	=	104.80%		
Target Compounds							
							Qvalue
2) Vinyl Chloride	2.065	62	1030	0.92	ug/L		99
3) Chloromethane	1.982	50	1890	1.01	ug/L		99
4) 1,1-Dichloroethene	3.152	61	929	0.60	ug/L		88
5) Methylene Chloride	3.718	49	3350	1.63	ug/L		88
6) trans-1,2-Dichloroethene	3.894	61	770	0.59	ug/L		95
7) 1,1-Dichloroethane	4.492	63	1009	0.57	ug/L		96
8) cis-1,2-Dichloroethene	5.052	96	467	0.62	ug/L		94
9) Chloroform	5.303	83	1576	0.78	ug/L		93
10) Carbon Tetrachloride	5.473	117	471	0.60	ug/L		97
11) 1,1,1-Trichloroethane	5.527	97	672	0.59	ug/L		94
12) Benzene	5.931	78	1712	0.60	ug/L		96
14) 1,2-Dichloroethane	6.129	62	723	0.56	ug/L		98
15) Trichloroethene	6.548	95	489	0.61	ug/L		93
16) 1,2-Dichloropropane	7.058	63	526	0.61	ug/L		92
17) cis-1,3-Dichloropropene	7.813	75	347	0.51	ug/L		78
20) trans-1,3-Dichloropropene	8.512	75	218	0.37	ug/L #		59
21) Tetrachloroethene	8.424	166	449	0.59	ug/L #		96
22) 1,4-Dichlorobenzene	11.909	146	1037	0.63	ug/L #		32
23) 1,2-Dibromo-3-Chloropr...	13.196	75	123m	0.87	ug/L		

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\08-20-24\
Data File : N0132208.D
Acq On : 20 Aug 2024 1:28 pm
Operator : jeniferw
Sample : IC6705-2
Misc : MS57318,VN6705,,,,,
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Aug 20 13:44:15 2024
Quant Method : C:\msdchem\1\methods\SIMCL_VN6705_082024.M
Quant Title : Standard Methods 6200B
QLast Update : Tue Aug 20 13:23:25 2024
Response via : Initial Calibration



Manual Integration Approval Summary

Sample Number: VN6705-IC6705 **Method:** SW846 8260D BY SIM
Lab FileID: N0132208.D **Analyst approved:** 08/20/24 14:18 Jenifer Willis
Injection Time: 08/20/24 13:28 **Supervisor approved:** 08/20/24 14:44 Karen Watson

Parameter	CAS	Sig#	R.T. (min.)	Reason
1,2-Dibromo-3-chloropropane	96-12-8		13.20	Missed peak

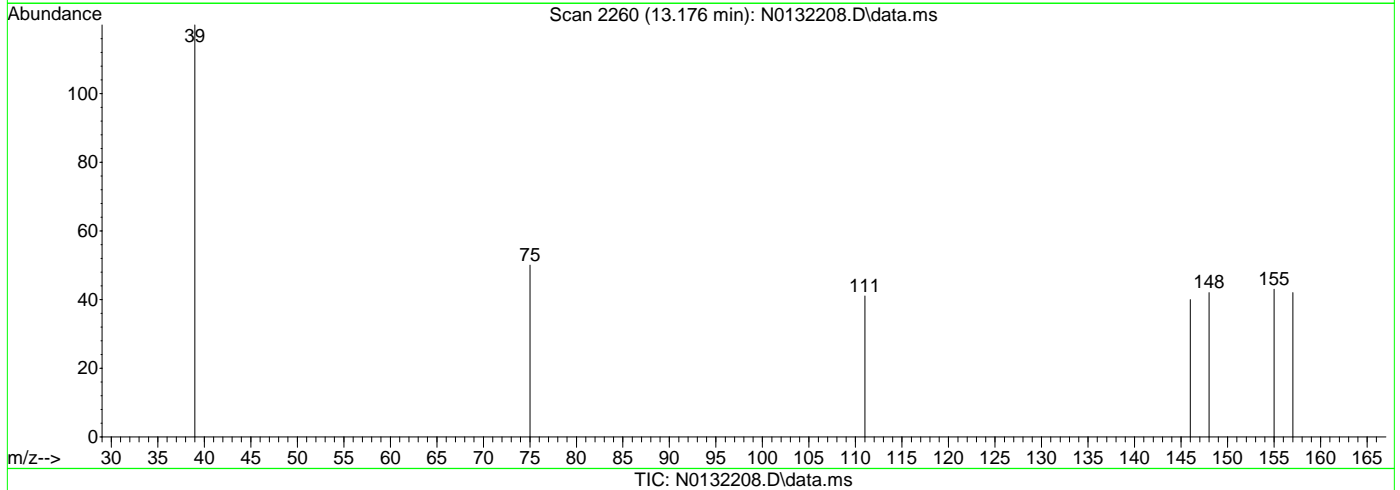
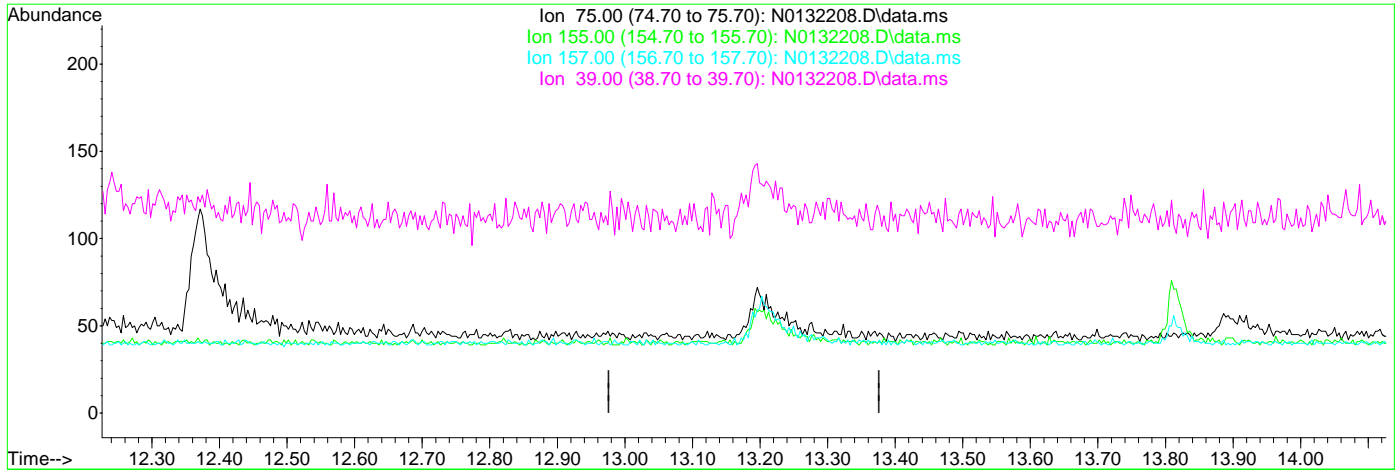
7.6.7.1

7

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\08-20-24\
 Data File : N0132208.D
 Acq On : 20 Aug 2024 1:28 pm
 Operator : jeniferw
 Sample : IC6705-2
 Misc : MS57274,VN6705,,,,,
 ALS Vial : 12 Sample Multiplier: 1

Quant Time: Aug 20 13:44:05 2024
 Quant Method : C:\msdchem\1\methods\SIMCL_VN6705_082024.M
 Quant Title : Standard Methods 6200B
 QLast Update : Tue Aug 20 13:23:25 2024
 Response via : Initial Calibration



(23) 1,2-Dibromo-3-Chloropropane

13.176min (-13.176) 0.00ug/L

response 0

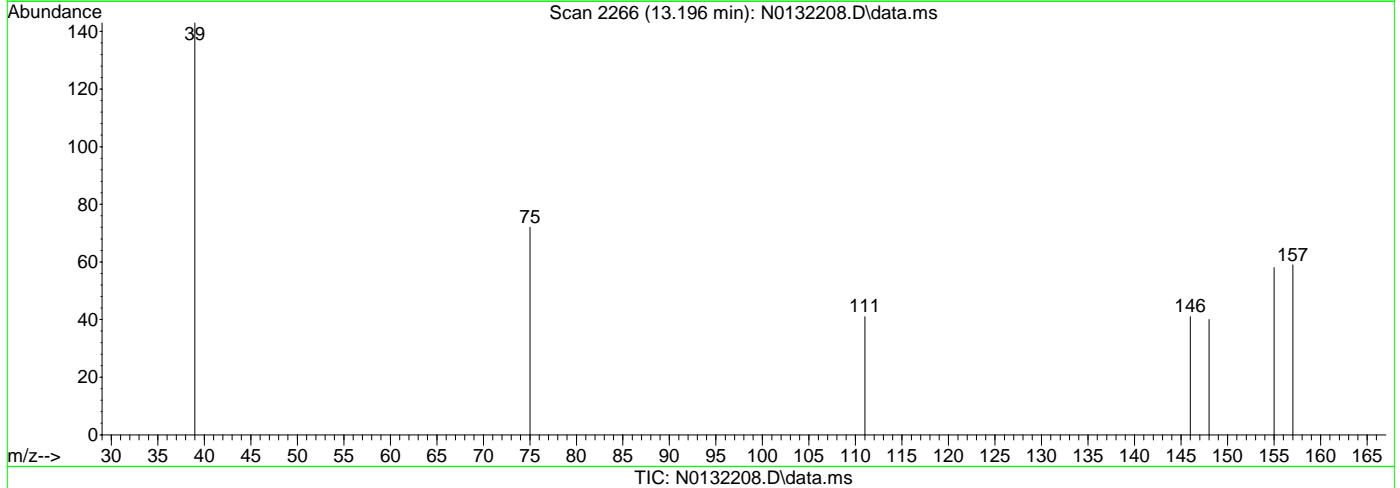
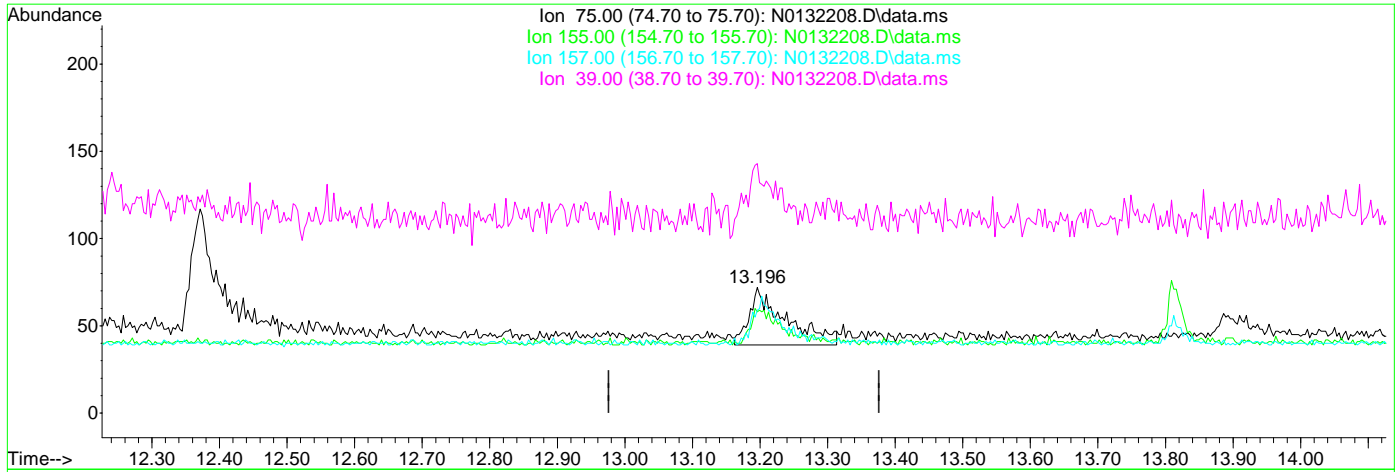
Ion	Exp%	Act%
75.00	100	0.00
155.00	72.00	0.00#
157.00	87.40	0.00#
39.00	113.50	0.00#

7.6.7.2
7

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\08-20-24\
 Data File : N0132208.D
 Acq On : 20 Aug 2024 1:28 pm
 Operator : jeniferw
 Sample : IC6705-2
 Misc : MS57274,VN6705,,,,,
 ALS Vial : 12 Sample Multiplier: 1

Quant Time: Aug 20 13:44:05 2024
 Quant Method : C:\msdchem\1\methods\SIMCL_VN6705_082024.M
 Quant Title : Standard Methods 6200B
 QLast Update : Tue Aug 20 13:23:25 2024
 Response via : Initial Calibration



(23) 1,2-Dibromo-3-Chloropropane

13.196min (+0.020) 0.87ug/L m

response 123

Ion	Exp%	Act%
75.00	100	100
155.00	72.00	80.56
157.00	87.40	81.94
39.00	113.50	198.61#

7.6.7.3
7

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\08-20-24\
 Data File : N0132209.D
 Acq On : 20 Aug 2024 1:52 pm
 Operator : jeniferw
 Sample : ICV6705-5
 Misc : MS57318,VN6705,,,,,
 ALS Vial : 13 Sample Multiplier: 1

Quant Time: Aug 20 14:07:51 2024
 Quant Method : C:\msdchem\1\methods\SIMCL_VN6705_082024.M
 Quant Title : Standard Methods 6200B
 QLast Update : Tue Aug 20 14:01:28 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	

Internal Standards							
1) Fluorobenzene	6.341	96	60876	5.00	ug/L	0.00	
18) Chlorobenzene-d5	9.519	117	38477	5.00	ug/L	0.00	
System Monitoring Compounds							
13) 1,2-Dichloroethane-d4	6.045	65	24856	4.75	ug/L	0.00	
Spiked Amount	5.000	Range 74 - 125	Recovery	=	95.00%		
19) Toluene-d8	7.950	98	44023	5.18	ug/L	0.00	
Spiked Amount	5.000	Range 88 - 111	Recovery	=	103.60%		
Target Compounds							
							Qvalue
2) Vinyl Chloride	2.065	62	11230	8.34	ug/L		100
3) Chloromethane	1.977	50	14558	8.09	ug/L		99
4) 1,1-Dichloroethene	3.147	61	18570	10.37	ug/L		99
5) Methylene Chloride	3.712	49	25489	10.75	ug/L		99
6) trans-1,2-Dichloroethene	3.883	61	16100	10.77	ug/L		99
7) 1,1-Dichloroethane	4.487	63	21110	10.51	ug/L		100
8) cis-1,2-Dichloroethene	5.041	96	9214	10.51	ug/L		96
9) Chloroform	5.303	83	21095	10.63	ug/L		99
10) Carbon Tetrachloride	5.466	117	9791	10.75	ug/L		97
11) 1,1,1-Trichloroethane	5.527	97	14177	10.94	ug/L		100
12) Benzene	5.915	78	34837	10.71	ug/L		99
14) 1,2-Dichloroethane	6.120	62	16914	11.01	ug/L		98
15) Trichloroethene	6.531	95	10005	10.93	ug/L		99
16) 1,2-Dichloropropane	7.046	63	11103	10.82	ug/L		99
17) cis-1,3-Dichloropropene	7.769	75	9207	11.33	ug/L		99
20) trans-1,3-Dichloropropene	8.424	75	8519	10.99	ug/L		97
21) Tetrachloroethene	8.407	166	10078	11.63	ug/L #		97
22) 1,4-Dichlorobenzene	11.906	146	22317	11.35	ug/L		99
23) 1,2-Dibromo-3-Chloropr...	13.179	75	1753	10.88	ug/L		98

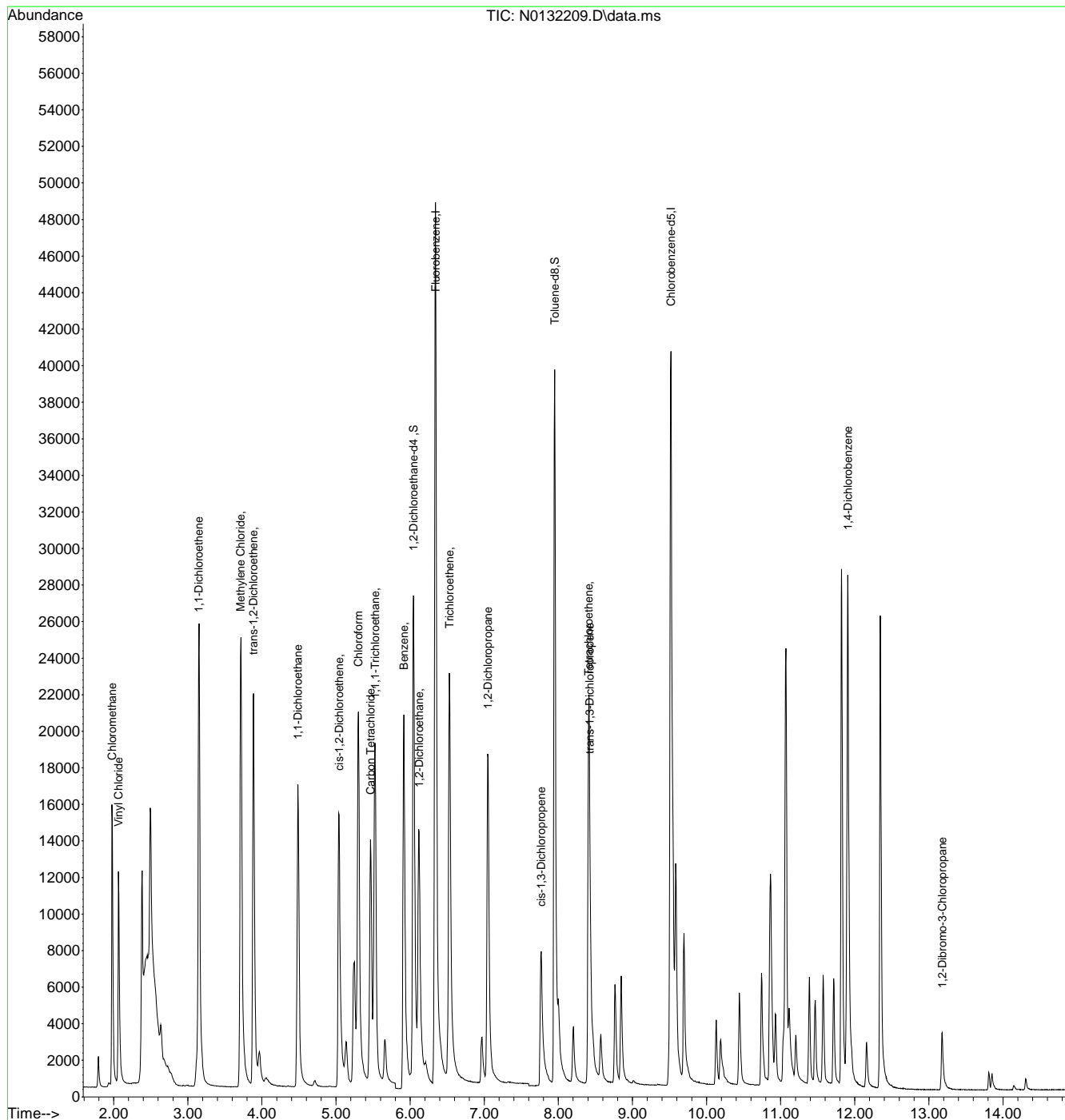
(#) = qualifier out of range (m) = manual integration (+) = signals summed

7.6.8
7

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\08-20-24\
 Data File : N0132209.D
 Acq On : 20 Aug 2024 1:52 pm
 Operator : jeniferw
 Sample : ICV6705-5
 Misc : MS57318,VN6705,,,,,
 ALS Vial : 13 Sample Multiplier: 1

Quant Time: Aug 20 14:07:51 2024
 Quant Method : C:\msdchem\1\methods\SIMCL_VN6705_082024.M
 Quant Title : Standard Methods 6200B
 QLast Update : Tue Aug 20 14:01:28 2024
 Response via : Initial Calibration



8'9'7

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\08-30-24\
 Data File : N0132371.D
 Acq On : 30 Aug 2024 7:22 am
 Operator : jeniferw
 Sample : CC6705-5
 Misc : MS57382,VN6712,,,,,
 ALS Vial : 2 Sample Multiplier: 1

Quant Time: Aug 30 08:04:08 2024
 Quant Method : C:\msdchem\1\methods\SIMCL_VN6705_082024.M
 Quant Title : Standard Methods 6200B
 QLast Update : Tue Aug 20 14:01:28 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	

Internal Standards							
1) Fluorobenzene	6.341	96	66375	5.00	ug/L	0.00	
18) Chlorobenzene-d5	9.514	117	44473	5.00	ug/L	0.00	
System Monitoring Compounds							
13) 1,2-Dichloroethane-d4	6.041	65	27882	4.88	ug/L	0.00	
Spiked Amount	5.000	Range 74 - 125	Recovery	=	97.60%		
19) Toluene-d8	7.945	98	49439	5.04	ug/L	0.00	
Spiked Amount	5.000	Range 88 - 111	Recovery	=	100.80%		
Target Compounds							
							Qvalue
2) Vinyl Chloride	2.065	62	17206	11.72	ug/L		98
3) Chloromethane	1.977	50	21806	11.12	ug/L		98
4) 1,1-Dichloroethene	3.152	61	17639	9.03	ug/L		92
5) Methylene Chloride	3.712	49	29387	11.55	ug/L		96
6) trans-1,2-Dichloroethene	3.882	61	15954	9.79	ug/L		99
7) 1,1-Dichloroethane	4.487	63	21526	9.83	ug/L		99
8) cis-1,2-Dichloroethene	5.036	96	9732	10.18	ug/L		97
9) Chloroform	5.296	83	21480	9.80	ug/L		97
10) Carbon Tetrachloride	5.466	117	8599	8.66	ug/L		98
11) 1,1,1-Trichloroethane	5.527	97	13233	9.37	ug/L		99
12) Benzene	5.915	78	34872	9.83	ug/L		96
14) 1,2-Dichloroethane	6.116	62	16407	9.80	ug/L		98
15) Trichloroethene	6.531	95	9654	9.67	ug/L		97
16) 1,2-Dichloropropane	7.046	63	10701	9.56	ug/L		98
17) cis-1,3-Dichloropropene	7.763	75	9096	10.27	ug/L		98
20) trans-1,3-Dichloropropene	8.418	75	9057	10.25	ug/L		95
21) Tetrachloroethene	8.407	166	9899	9.89	ug/L #		97
22) 1,4-Dichlorobenzene	11.906	146	20449	8.99	ug/L		98
23) 1,2-Dibromo-3-Chloropr...	13.179	75	813	4.37	ug/L		95

(#) = qualifier out of range (m) = manual integration (+) = signals summed

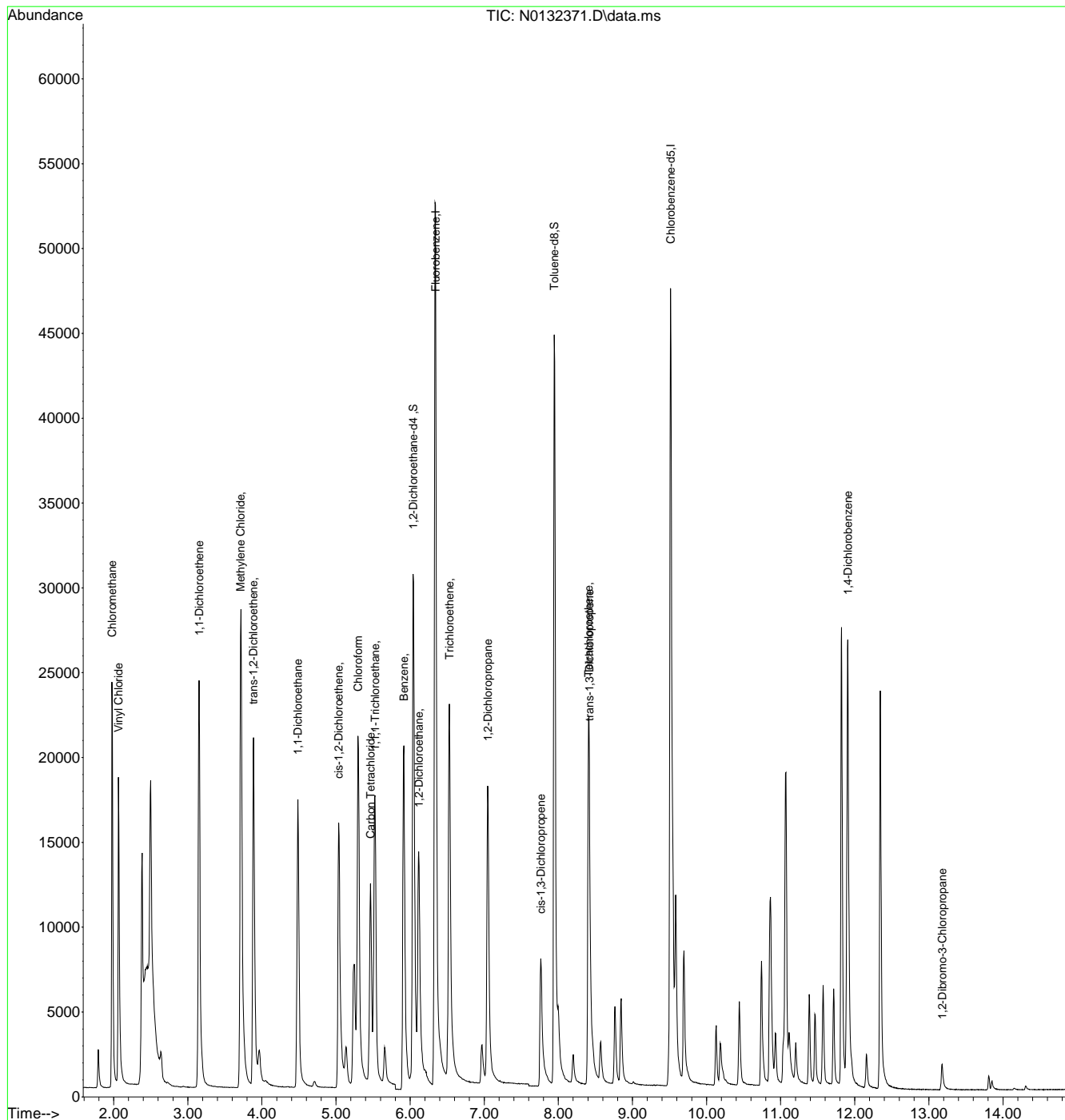


7.6.9
7

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\08-30-24\
 Data File : N0132371.D
 Acq On : 30 Aug 2024 7:22 am
 Operator : jeniferw
 Sample : CC6705-5
 Misc : MS57382,VN6712,,,,,
 ALS Vial : 2 Sample Multiplier: 1

Quant Time: Aug 30 08:04:08 2024
 Quant Method : C:\msdchem\1\methods\SIMCL_VN6705_082024.M
 Quant Title : Standard Methods 6200B
 QLast Update : Tue Aug 20 14:01:28 2024
 Response via : Initial Calibration



6'9" L

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\08-30-24\
 Data File : N0132397.D
 Acq On : 30 Aug 2024 5:39 pm
 Operator : jeniferw
 Sample : ECC6705-5
 Misc : MS57392,VN6712,,,,,
 ALS Vial : 28 Sample Multiplier: 1

Quant Time: Sep 03 05:51:28 2024
 Quant Method : C:\msdchem\1\methods\SIMCL_VN6705_082024.M
 Quant Title : Standard Methods 6200B
 QLast Update : Tue Aug 20 14:01:28 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	

Internal Standards							
1) Fluorobenzene	6.341	96	64811	5.00	ug/L	0.00	
18) Chlorobenzene-d5	9.514	117	44659	5.00	ug/L	0.00	
System Monitoring Compounds							
13) 1,2-Dichloroethane-d4	6.045	65	28702	5.15	ug/L	0.00	
Spiked Amount	5.000	Range	74 - 125	Recovery	=	103.00%	
19) Toluene-d8	7.951	98	48424	4.91	ug/L	0.00	
Spiked Amount	5.000	Range	88 - 111	Recovery	=	98.20%	
Target Compounds							
							Qvalue
2) Vinyl Chloride	2.065	62	18626	12.99	ug/L		99
3) Chloromethane	1.977	50	23273	12.15	ug/L		98
4) 1,1-Dichloroethene	3.152	61	18701	9.81	ug/L		93
5) Methylene Chloride	3.718	49	43095	22.10	ug/L		87
6) trans-1,2-Dichloroethene	3.888	61	16256	10.21	ug/L		91
7) 1,1-Dichloroethane	4.487	63	22054	10.32	ug/L		100
8) cis-1,2-Dichloroethene	5.042	96	9456	10.13	ug/L		99
9) Chloroform	5.303	83	21652	10.18	ug/L		98
10) Carbon Tetrachloride	5.466	117	8952	9.23	ug/L		99
11) 1,1,1-Trichloroethane	5.527	97	13715	9.94	ug/L		100
12) Benzene	5.915	78	35812	10.34	ug/L		99
14) 1,2-Dichloroethane	6.116	62	17209	10.52	ug/L		97
15) Trichloroethene	6.531	95	9909	10.17	ug/L		99
16) 1,2-Dichloropropane	7.053	63	11014	10.08	ug/L		98
17) cis-1,3-Dichloropropene	7.769	75	9142	10.57	ug/L		99
20) trans-1,3-Dichloropropene	8.424	75	9132	10.28	ug/L		96
21) Tetrachloroethene	8.407	166	10174	10.12	ug/L #		96
22) 1,4-Dichlorobenzene	11.906	146	22639	9.92	ug/L		98
23) 1,2-Dibromo-3-Chloropr...	13.176	75	1171	6.26	ug/L		99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

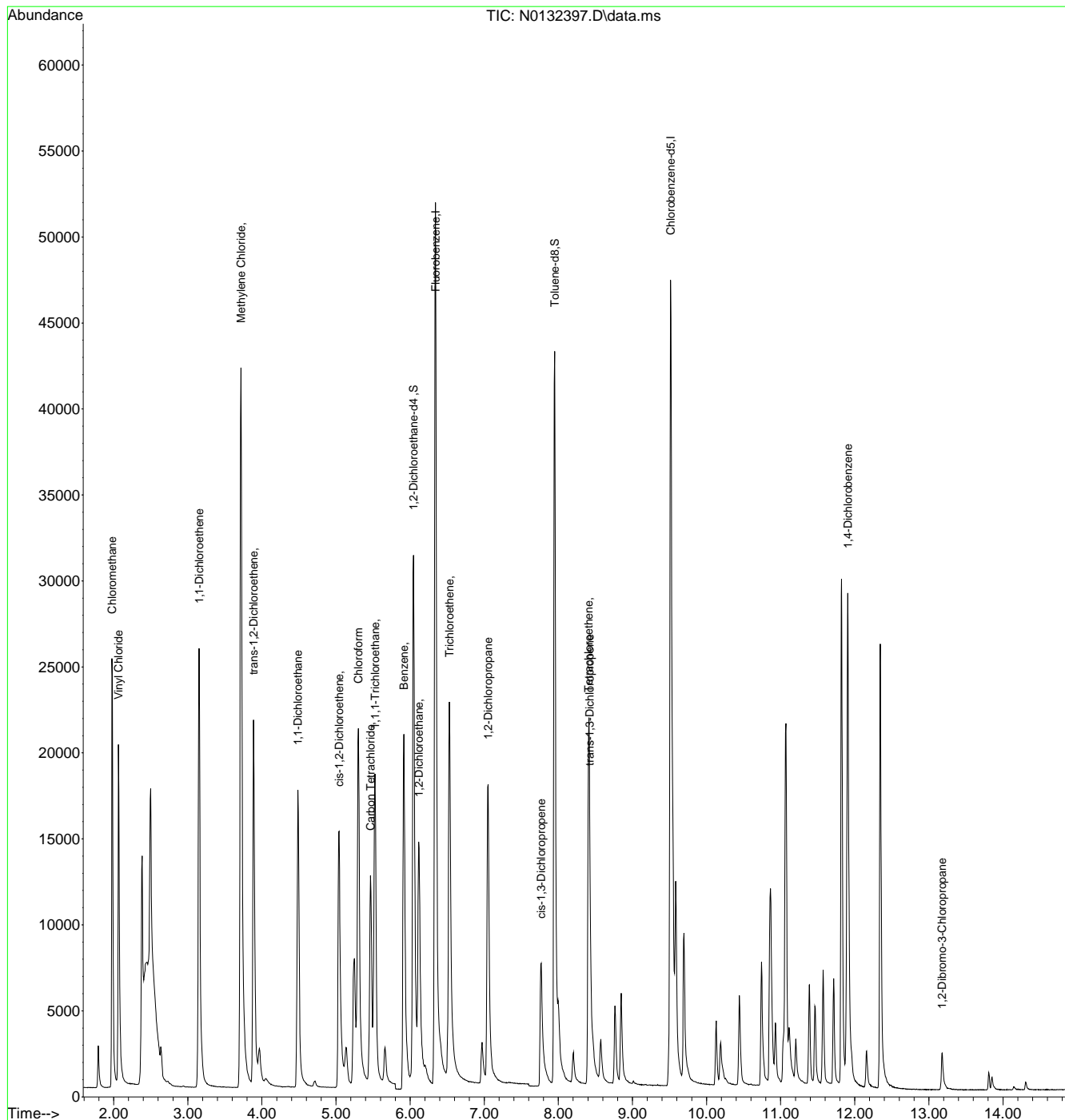
7.6.10
7



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\08-30-24\
 Data File : N0132397.D
 Acq On : 30 Aug 2024 5:39 pm
 Operator : jeniferw
 Sample : ECC6705-5
 Misc : MS57392,VN6712,,,,,
 ALS Vial : 28 Sample Multiplier: 1

Quant Time: Sep 03 05:51:28 2024
 Quant Method : C:\msdchem\1\methods\SIMCL_VN6705_082024.M
 Quant Title : Standard Methods 6200B
 QLast Update : Tue Aug 20 14:01:28 2024
 Response via : Initial Calibration



7.6.10
7



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\082824\
 Data File : Z76603.D
 Acq On : 28 Aug 2024 8:29 am
 Operator : claudias
 Sample : IC3084-1 Inst : MSVOA15-Z
 Misc : MS57344,VZ3084,,,,,
 ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 28 09:43:35 2024
 Quant Method : C:\msdchem\1\methods\SIMCL-08-26-2024.M
 Quant Title : Standard Methods 6200B
 QLast Update : Mon Aug 26 13:08:06 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Fluorobenzene	7.895	96	16248	5.00	ug/L	0.00
18) Chlorobenzene-d5	10.980	117	17016	5.00	ug/L	0.00
System Monitoring Compounds						
13) 1,2-Dichloroethane-d4	7.628	65	4890	3.51	ug/L	0.00
Spiked Amount	5.000	Range 74 - 125	Recovery	=	70.20%#	
19) Toluene-d8	9.428	98	19188	6.95	ug/L	0.00
Spiked Amount	5.000	Range 88 - 111	Recovery	=	139.00%#	
Target Compounds						
						Qvalue
2) Vinyl Chloride	3.192	62	1003	0.52	ug/L	# 40
3) Chloromethane	3.133	50	820	0.32	ug/L	99
4) 1,1-Dichloroethene	4.570	61	285	0.11	ug/L	97
5) Methylene Chloride	5.213	49	2791	0.80	ug/L	96
6) trans-1,2-Dichloroethene	5.395	61	244	0.10	ug/L	94
7) 1,1-Dichloroethane	6.065	63	301	0.09	ug/L	97
8) cis-1,2-Dichloroethene	6.625	96	214	0.12	ug/L	95
9) Chloroform	6.883	83	360m	0.10	ug/L	
10) Carbon Tetrachloride	7.051	117	298m	0.11	ug/L	
11) 1,1,1-Trichloroethane	7.126	97	371m	0.13	ug/L	
12) Benzene	7.499	78	611	0.12	ug/L	93
14) 1,2-Dichloroethane	7.696	62	231	0.09	ug/L	95
15) Trichloroethene	8.066	95	180	0.12	ug/L	93
16) 1,2-Dichloropropane	8.588	63	166	0.11	ug/L	89
17) cis-1,3-Dichloropropene	9.246	75	272	0.20	ug/L	87
20) trans-1,3-Dichloropropene	9.880	75	273	0.25	ug/L	92
21) Tetrachloroethene	9.874	166	229	0.16	ug/L	# 92
22) 1,4-Dichlorobenzene	13.274	146	499	0.16	ug/L	95
23) 1,2-Dibromo-3-Chloropr...	14.517	75	94m	0.33	ug/L	

(#) = qualifier out of range (m) = manual integration (+) = signals summed

7.6.11
7

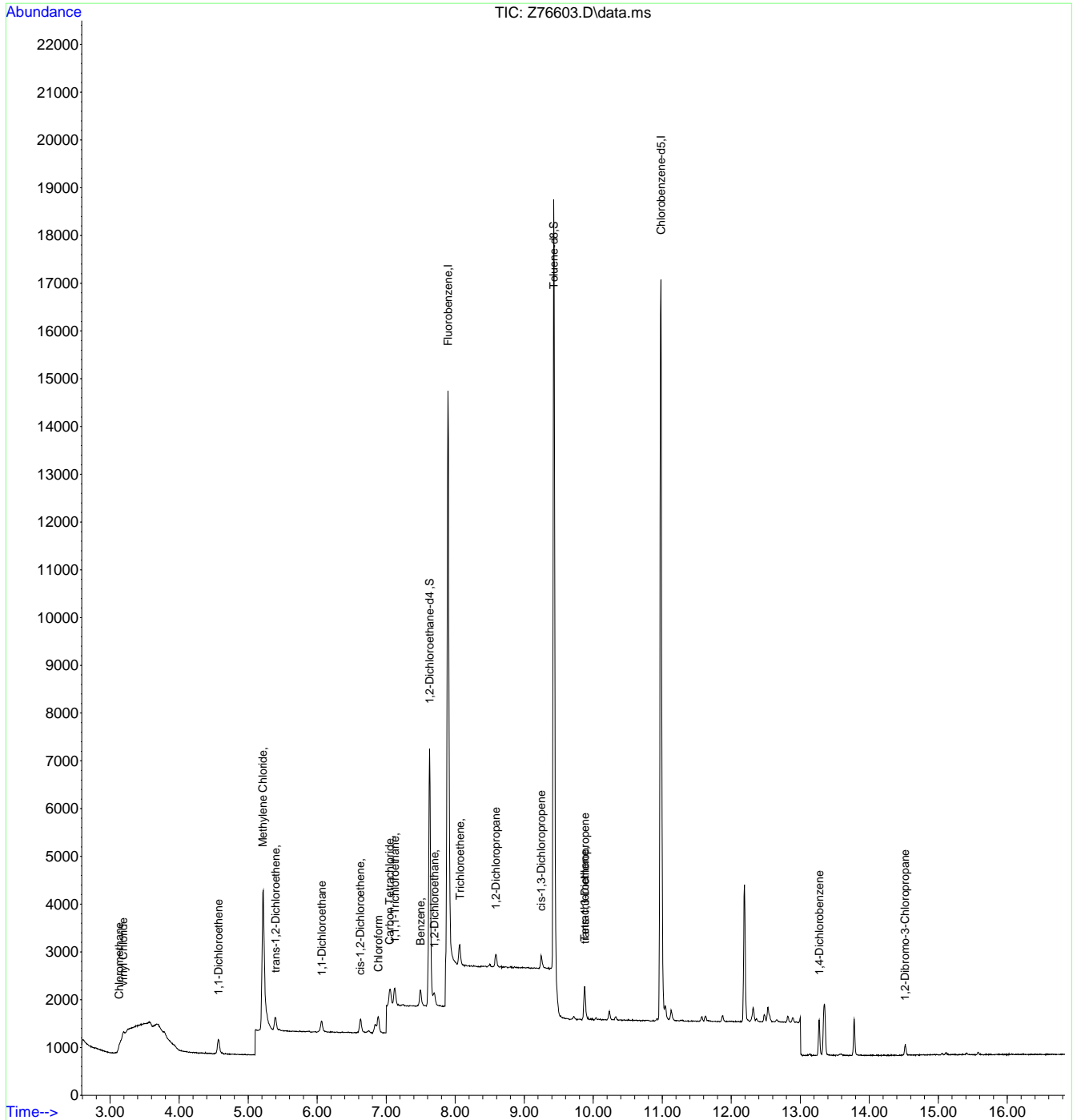


Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\082824\
 Data File : Z76603.D
 Acq On : 28 Aug 2024 8:29 am
 Operator : claudias
 Sample : IC3084-1
 Misc : MS57344,VZ3084,,,,,
 ALS Vial : 3 Sample Multiplier: 1

Inst : MSVOA15-Z

Quant Time: Aug 28 09:43:35 2024
 Quant Method : C:\msdchem\1\methods\SIMCL-08-26-2024.M
 Quant Title : Standard Methods 6200B
 QLast Update : Mon Aug 26 13:08:06 2024
 Response via : Initial Calibration



7.6.11
7



Manual Integration Approval Summary

Sample Number: VZ3084-IC3084
Lab FileID: Z76603.D
Injection Time: 08/28/24 08:29

Method: SW846 8260D BY SIM
Analyst approved: 08/28/24 12:42 Claudia Sosa
Supervisor approved: 08/28/24 14:42 Karen Watson

Parameter	CAS	Sig#	R.T. (min.)	Reason
Chloroform	67-66-3		6.88	Poor instrument integration
Carbon Tetrachloride	56-23-5		7.05	Poor instrument integration
1,1,1-Trichloroethane	71-55-6		7.13	Poor instrument integration
1,2-Dibromo-3-chloropropane	96-12-8		14.52	Missed peak

7.6.11.1

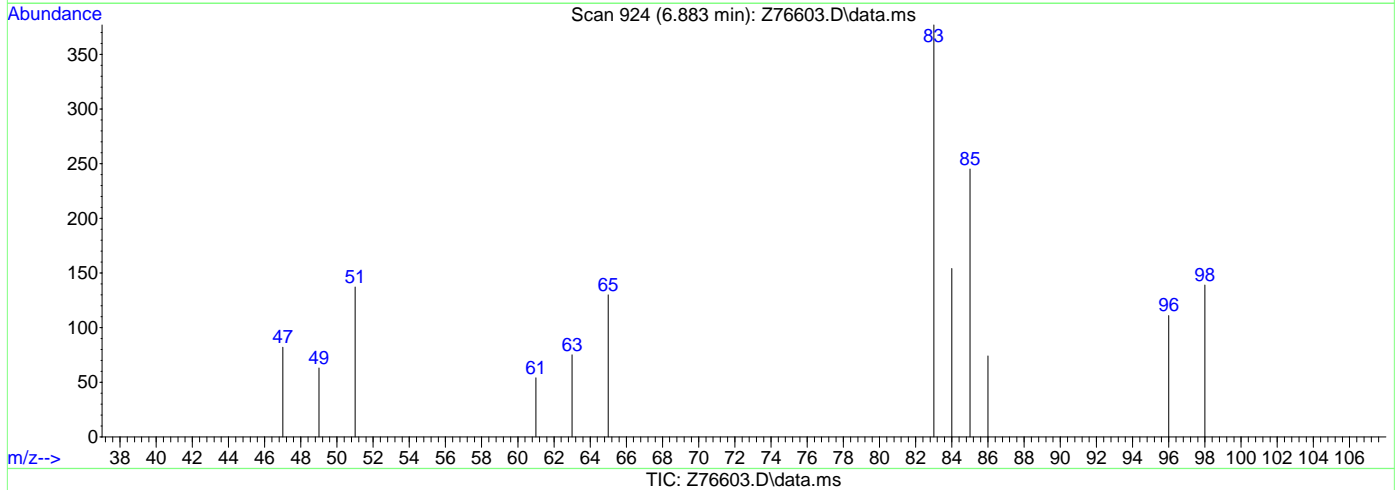
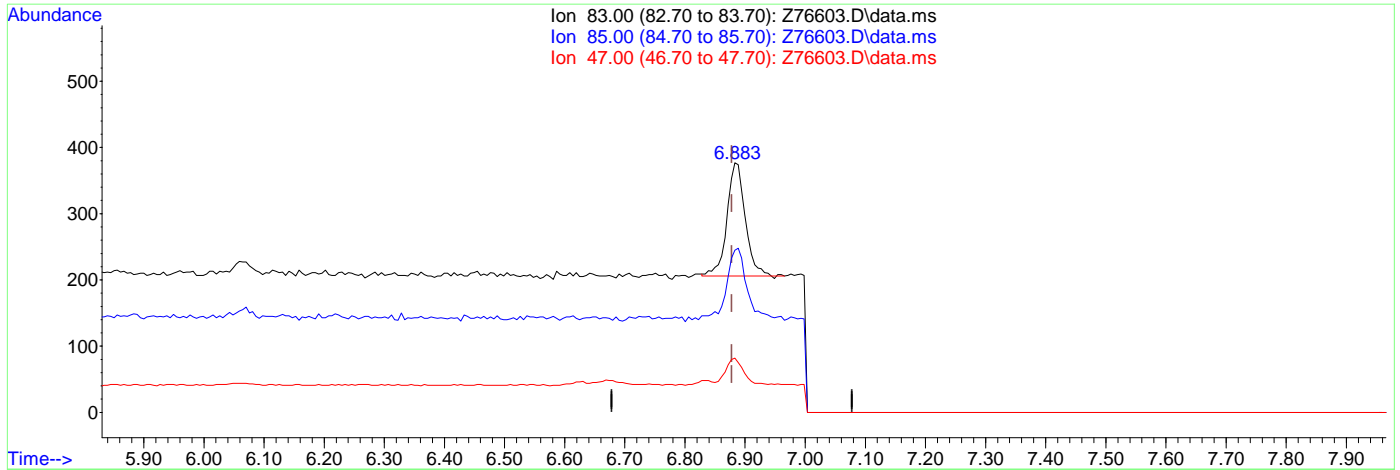
7

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\082824\
 Data File : Z76603.D
 Acq On : 28 Aug 2024 8:29 am
 Operator : claudias
 Sample : IC3084-1
 Misc : MS57344,VZ3084,,,,,
 ALS Vial : 3 Sample Multiplier: 1

Inst : MSVOA15-Z

Quant Time: Aug 28 09:43:35 2024
 Quant Method : C:\msdchem\1\methods\SIMCL-08-26-2024.M
 Quant Title : Standard Methods 6200B
 QLast Update : Mon Aug 26 13:08:06 2024
 Response via : Initial Calibration



(9) Chloroform

6.883min (+0.005) 0.10ug/L m

response 360

Ion	Exp%	Act%
83.00	100	100
85.00	65.90	64.99
47.00	21.00	21.75
0.00	0.00	0.00

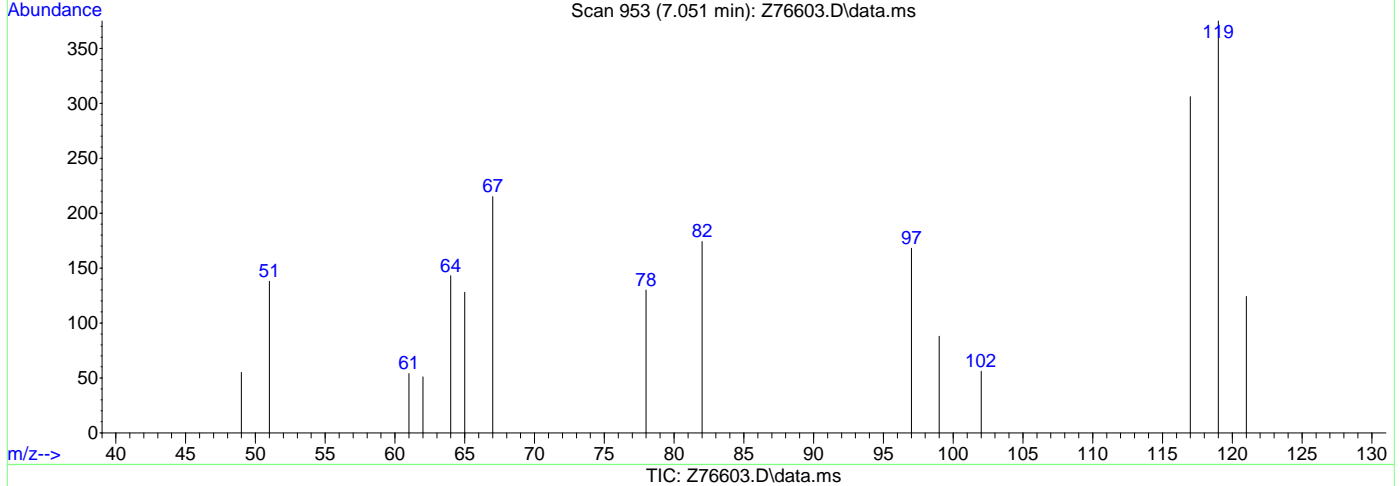
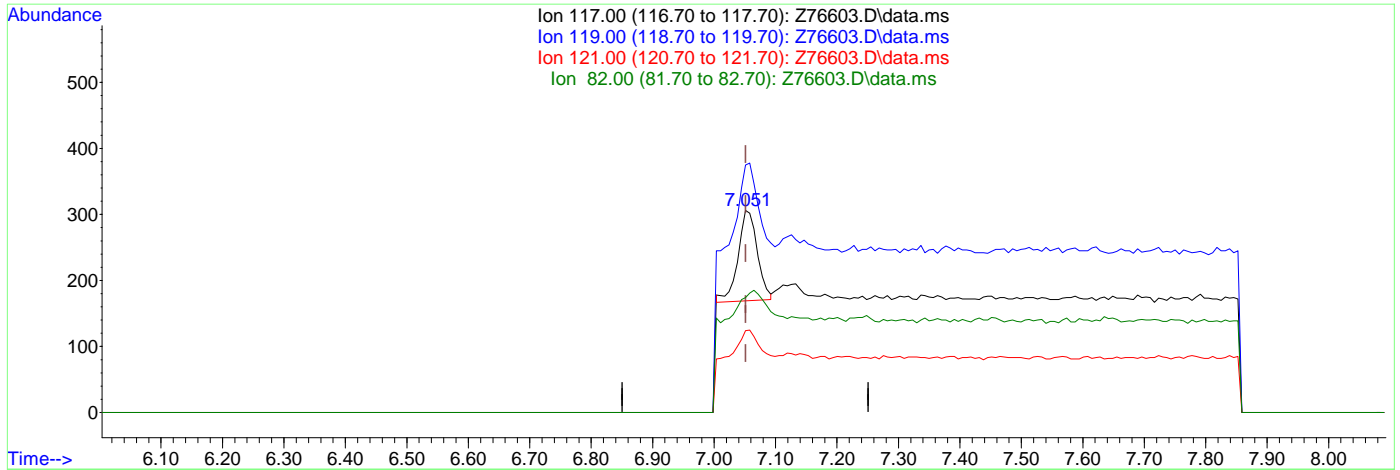
7.6.11.2
7

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\082824\
 Data File : Z76603.D
 Acq On : 28 Aug 2024 8:29 am
 Operator : claudias
 Sample : IC3084-1
 Misc : MS57344,VZ3084,,,,,
 ALS Vial : 3 Sample Multiplier: 1

Inst : MSVOA15-Z

Quant Time: Aug 28 09:43:35 2024
 Quant Method : C:\msdchem\1\methods\SIMCL-08-26-2024.M
 Quant Title : Standard Methods 6200B
 QLast Update : Mon Aug 26 13:08:06 2024
 Response via : Initial Calibration



(10) Carbon Tetrachloride ()

7.051min (+0.000) 0.11ug/L m

response 298

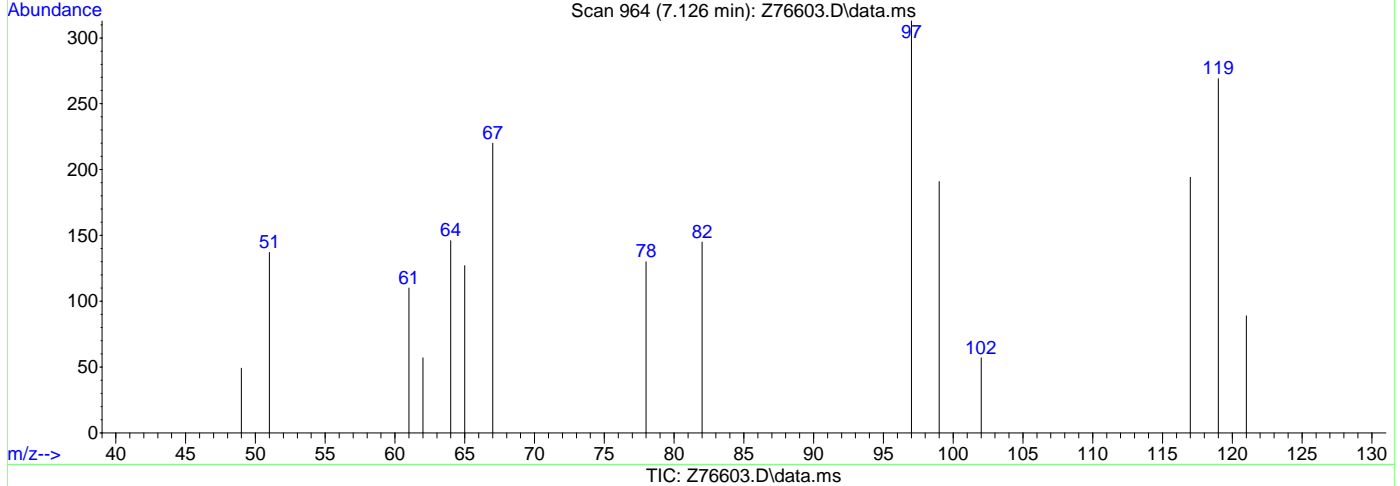
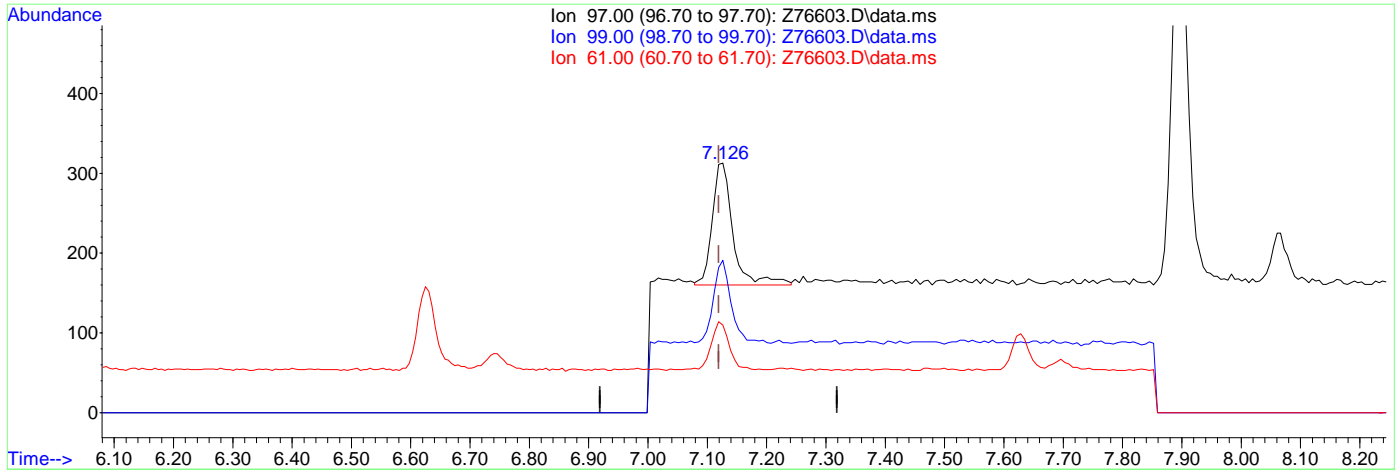
Ion	Exp%	Act%
117.00	100	100
119.00	96.20	122.55
121.00	31.20	40.52
82.00	20.80	56.86#

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\082824\
 Data File : Z76603.D
 Acq On : 28 Aug 2024 8:29 am
 Operator : claudias
 Sample : IC3084-1
 Misc : MS57344,VZ3084,,,,,
 ALS Vial : 3 Sample Multiplier: 1

Inst : MSVOA15-Z

Quant Time: Aug 28 09:43:35 2024
 Quant Method : C:\msdchem\1\methods\SIMCL-08-26-2024.M
 Quant Title : Standard Methods 6200B
 QLast Update : Mon Aug 26 13:08:06 2024
 Response via : Initial Calibration



(11) 1,1,1-Trichloroethane ()

7.126min (+0.007) 0.13ug/L m

response 371

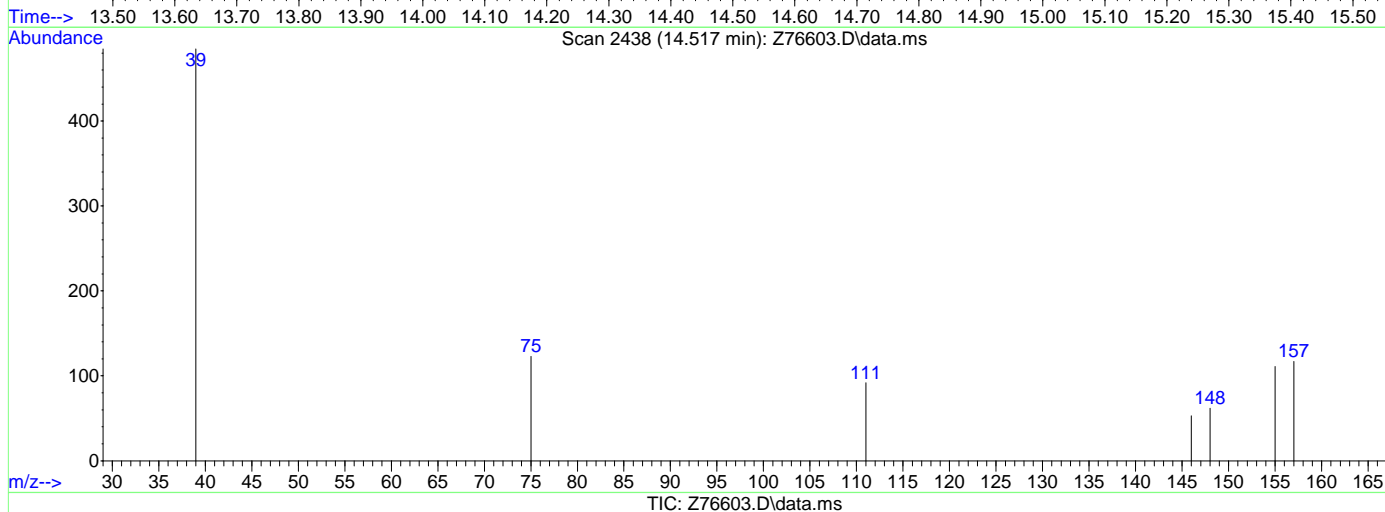
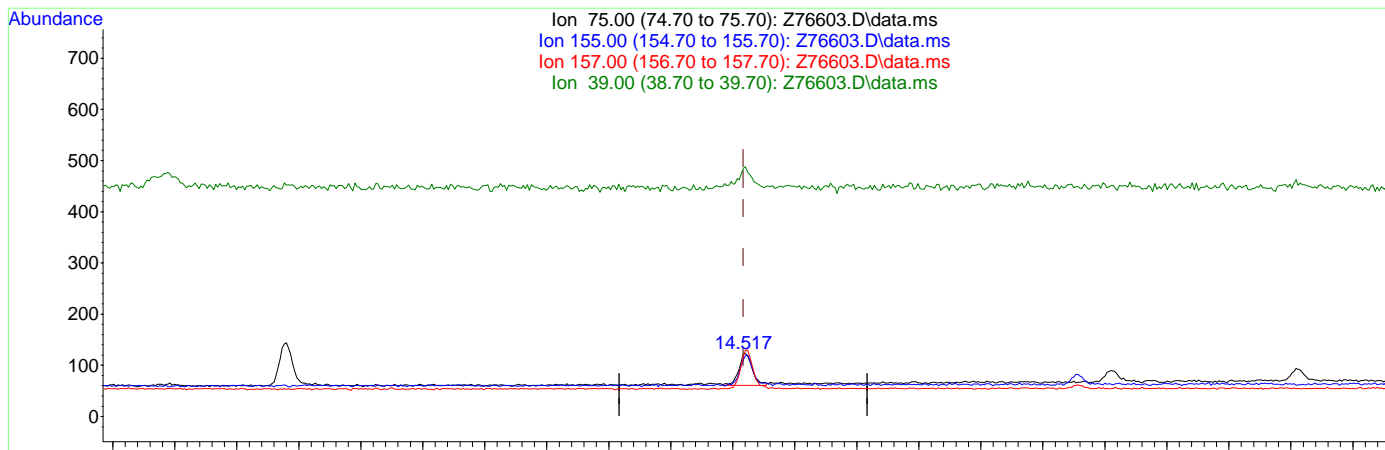
Ion	Exp%	Act%
97.00	100	100
99.00	64.80	61.02
61.00	33.90	35.14
0.00	0.00	0.00

7.6.11.4
7

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\082824\
 Data File : Z76603.D
 Acq On : 28 Aug 2024 8:29 am
 Operator : claudias
 Sample : IC3084-1
 Misc : MS57344,VZ3084,,,,,
 ALS Vial : 3 Sample Multiplier: 1
 Inst : MSVOA15-Z

Quant Time: Aug 28 09:43:35 2024
 Quant Method : C:\msdchem\1\methods\SIMCL-08-26-2024.M
 Quant Title : Standard Methods 6200B
 QLast Update : Mon Aug 26 13:08:06 2024
 Response via : Initial Calibration



(23) 1,2-Dibromo-3-Chloropropane

14.517min (+0.000) 0.33ug/L m

response 94

Ion	Exp%	Act%
75.00	100	100
155.00	116.30	90.24
157.00	149.10	95.12#
39.00	55.20	394.31#

7.6.11.5
7

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\082824\
 Data File : Z76604.D
 Acq On : 28 Aug 2024 8:51 am
 Operator : claudias
 Sample : IC3084-2 Inst : MSVOA15-Z
 Misc : MS57344,VZ3084,,,,,
 ALS Vial : 4 Sample Multiplier: 1

Quant Time: Aug 28 09:15:52 2024
 Quant Method : C:\msdchem\1\methods\SIMCL-08-26-2024.M
 Quant Title : Standard Methods 6200B
 QLast Update : Mon Aug 26 13:08:06 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	

Internal Standards							
1) Fluorobenzene	7.894	96	16712	5.00	ug/L	0.00	
18) Chlorobenzene-d5	10.980	117	17424	5.00	ug/L	0.00	
System Monitoring Compounds							
13) 1,2-Dichloroethane-d4	7.628	65	5206	3.64	ug/L	0.00	
Spiked Amount	5.000	Range 74 - 125	Recovery	=	72.80%#		
19) Toluene-d8	9.428	98	19524	6.91	ug/L	0.00	
Spiked Amount	5.000	Range 88 - 111	Recovery	=	138.20%#		
Target Compounds							
							Qvalue
2) Vinyl Chloride	3.188	62	1692	0.85	ug/L		78
3) Chloromethane	3.133	50	1602	0.60	ug/L		97
4) 1,1-Dichloroethene	4.566	61	1109	0.42	ug/L		97
5) Methylene Chloride	5.213	49	3660	1.03	ug/L		96
6) trans-1,2-Dichloroethene	5.389	61	1014	0.39	ug/L		96
7) 1,1-Dichloroethane	6.059	63	1316	0.37	ug/L		99
8) cis-1,2-Dichloroethene	6.625	96	781	0.44	ug/L		94
9) Chloroform	6.883	83	1378m	0.36	ug/L		
10) Carbon Tetrachloride	7.058	117	1171m	0.44	ug/L		
11) 1,1,1-Trichloroethane	7.126	97	1268m	0.43	ug/L		
12) Benzene	7.492	78	2431	0.46	ug/L		96
14) 1,2-Dichloroethane	7.696	62	922	0.36	ug/L		95
15) Trichloroethene	8.060	95	670	0.43	ug/L		92
16) 1,2-Dichloropropane	8.588	63	652	0.42	ug/L		93
17) cis-1,3-Dichloropropene	9.246	75	997	0.70	ug/L		94
20) trans-1,3-Dichloropropene	9.874	75	890	0.79	ug/L		95
21) Tetrachloroethene	9.874	166	751	0.53	ug/L #		94
22) 1,4-Dichlorobenzene	13.354	146	1489	0.45	ug/L		87
23) 1,2-Dibromo-3-Chloropr...	14.520	75	224m	0.77	ug/L		

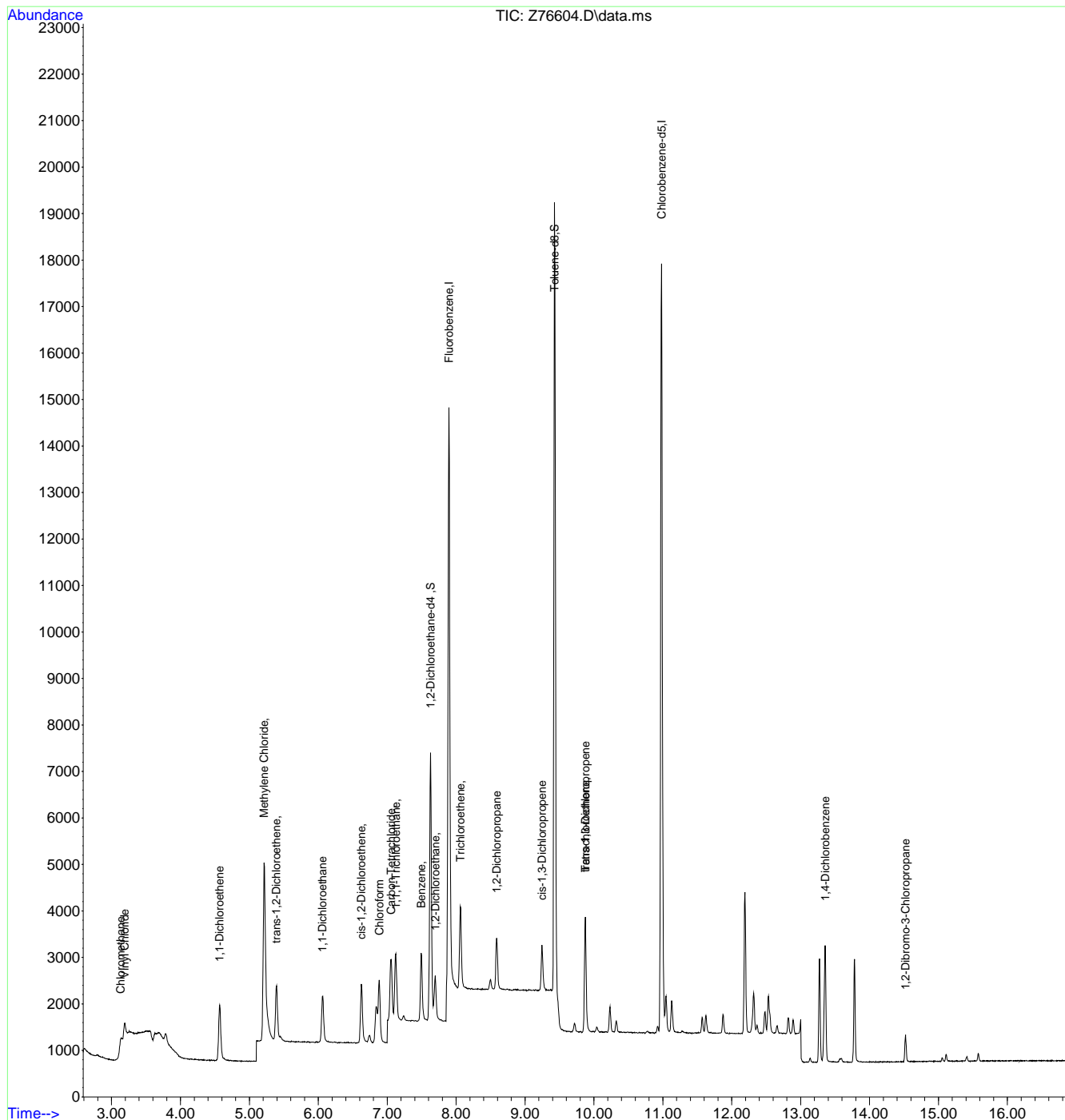
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\082824\
 Data File : Z76604.D
 Acq On : 28 Aug 2024 8:51 am
 Operator : claudias
 Sample : IC3084-2
 Misc : MS57344,VZ3084,,,,,
 ALS Vial : 4 Sample Multiplier: 1

Inst : MSVOA15-Z

Quant Time: Aug 28 09:15:52 2024
 Quant Method : C:\msdchem\1\methods\SIMCL-08-26-2024.M
 Quant Title : Standard Methods 6200B
 QLast Update : Mon Aug 26 13:08:06 2024
 Response via : Initial Calibration



7.6.12
7



Manual Integration Approval Summary

Sample Number: VZ3084-IC3084 **Method:** SW846 8260D BY SIM
Lab FileID: Z76604.D **Analyst approved:** 08/28/24 12:42 Claudia Sosa
Injection Time: 08/28/24 08:51 **Supervisor approved:** 08/28/24 14:42 Karen Watson

Parameter	CAS	Sig#	R.T. (min.)	Reason
Chloroform	67-66-3		6.88	Poor instrument integration
Carbon Tetrachloride	56-23-5		7.06	Poor instrument integration
1,1,1-Trichloroethane	71-55-6		7.13	Poor instrument integration
1,2-Dibromo-3-chloropropane	96-12-8		14.52	Missed peak

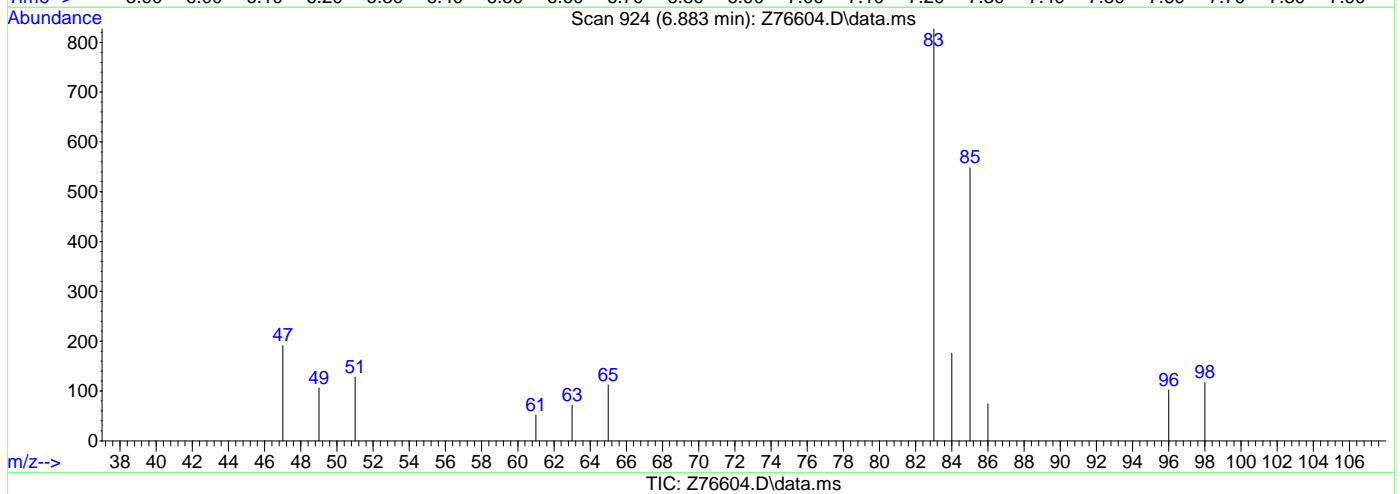
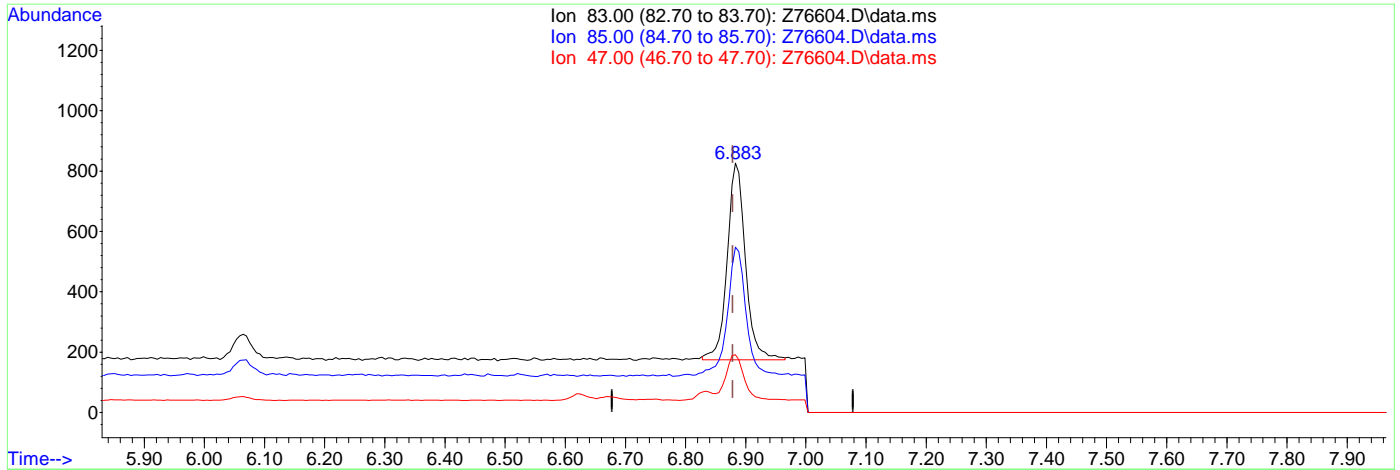
7.6.12.1
7

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\082824\
 Data File : Z76604.D
 Acq On : 28 Aug 2024 8:51 am
 Operator : claudias
 Sample : IC3084-2
 Misc : MS57344,VZ3084,,,,,
 ALS Vial : 4 Sample Multiplier: 1

Inst : MSVOA15-Z

Quant Time: Aug 28 09:15:52 2024
 Quant Method : C:\msdchem\1\methods\SIMCL-08-26-2024.M
 Quant Title : Standard Methods 6200B
 QLast Update : Mon Aug 26 13:08:06 2024
 Response via : Initial Calibration



(9) Chloroform
 6.883min (+0.005) 0.36ug/L m

response 1378

Ion	Exp%	Act%
83.00	100	100
85.00	65.90	66.26
47.00	21.00	23.10
0.00	0.00	0.00

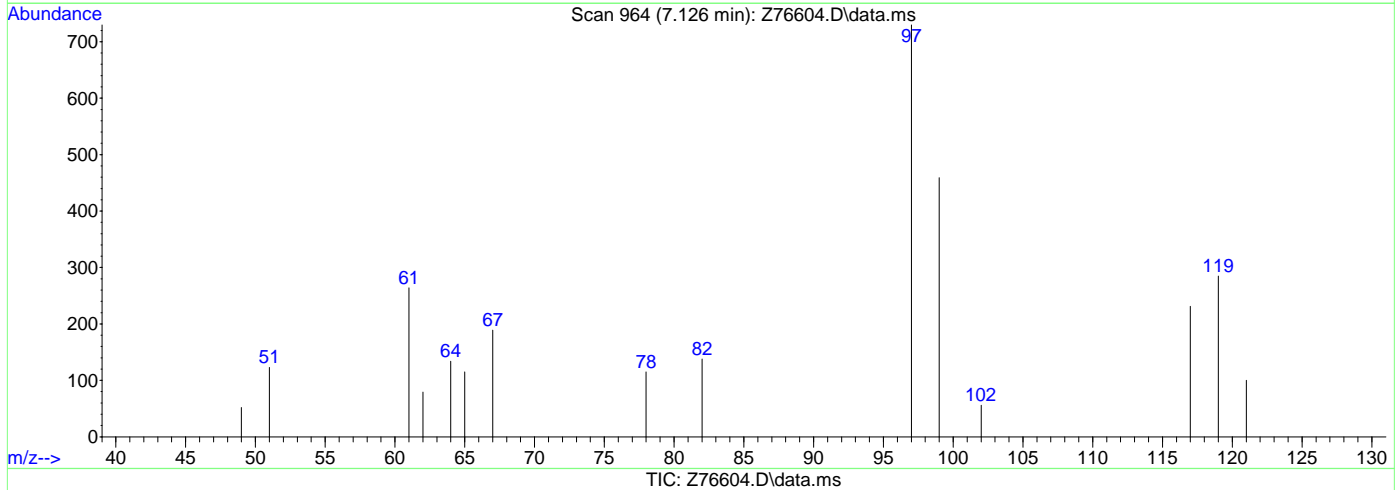
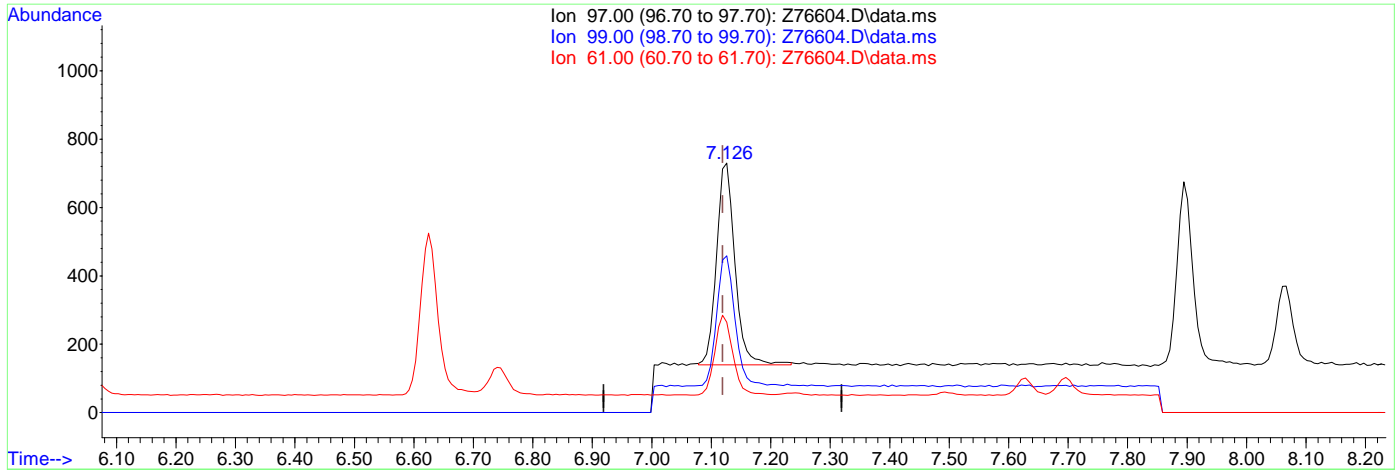
7.6.122
7

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\082824\
 Data File : Z76604.D
 Acq On : 28 Aug 2024 8:51 am
 Operator : claudias
 Sample : IC3084-2
 Misc : MS57344,VZ3084,,,,,
 ALS Vial : 4 Sample Multiplier: 1

Inst : MSVOA15-Z

Quant Time: Aug 28 09:15:52 2024
 Quant Method : C:\msdchem\1\methods\SIMCL-08-26-2024.M
 Quant Title : Standard Methods 6200B
 QLast Update : Mon Aug 26 13:08:06 2024
 Response via : Initial Calibration



(11) 1,1,1-Trichloroethane ()

7.126min (+0.007) 0.43ug/L m

response 1268

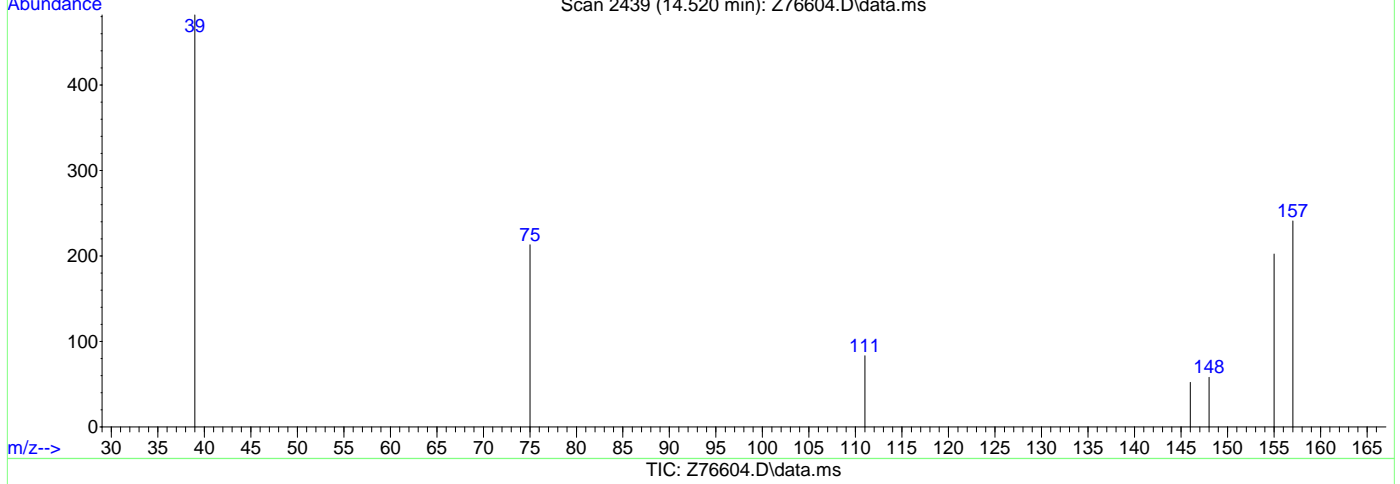
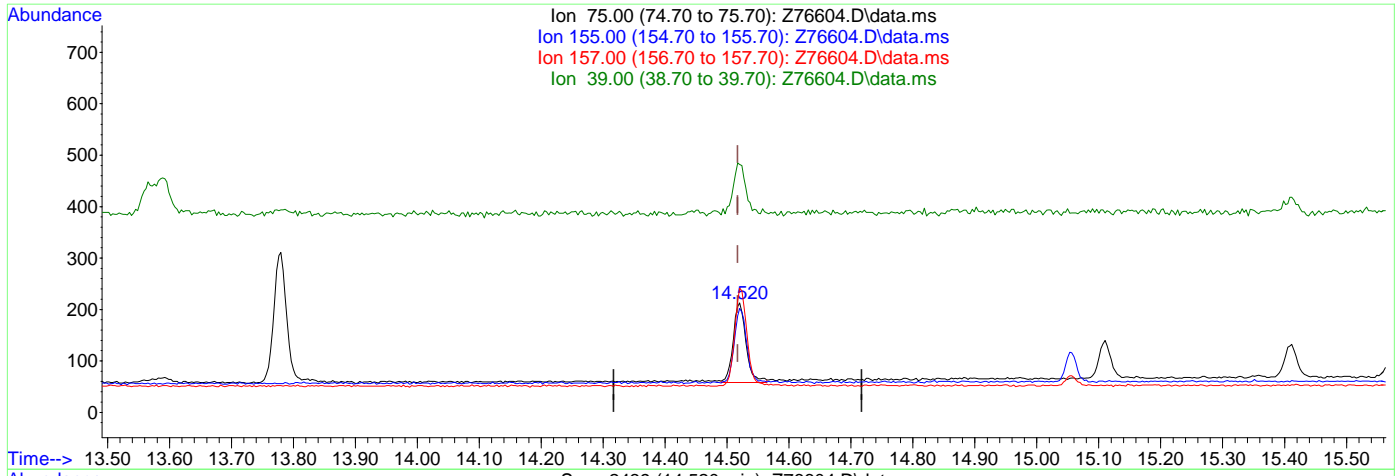
Ion	Exp%	Act%
97.00	100	100
99.00	64.80	62.88
61.00	33.90	36.16
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\082824\
 Data File : Z76604.D
 Acq On : 28 Aug 2024 8:51 am
 Operator : claudias
 Sample : IC3084-2
 Misc : MS57344,VZ3084,,,,,
 ALS Vial : 4 Sample Multiplier: 1

Inst : MSVOA15-Z

Quant Time: Aug 28 09:15:52 2024
 Quant Method : C:\msdchem\1\methods\SIMCL-08-26-2024.M
 Quant Title : Standard Methods 6200B
 QLast Update : Mon Aug 26 13:08:06 2024
 Response via : Initial Calibration



(23) 1,2-Dibromo-3-Chloropropane

14.520min (+0.003) 0.77ug/L m

response 224

Ion	Exp%	Act%
75.00	100	100
155.00	116.30	94.84
157.00	149.10	113.15#
39.00	55.20	226.29#



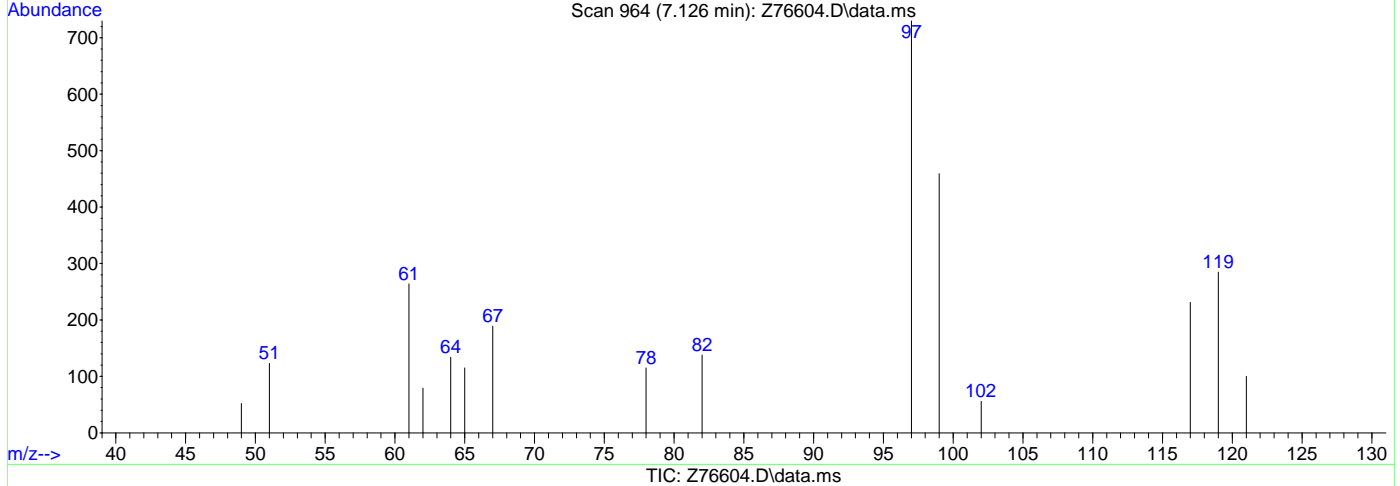
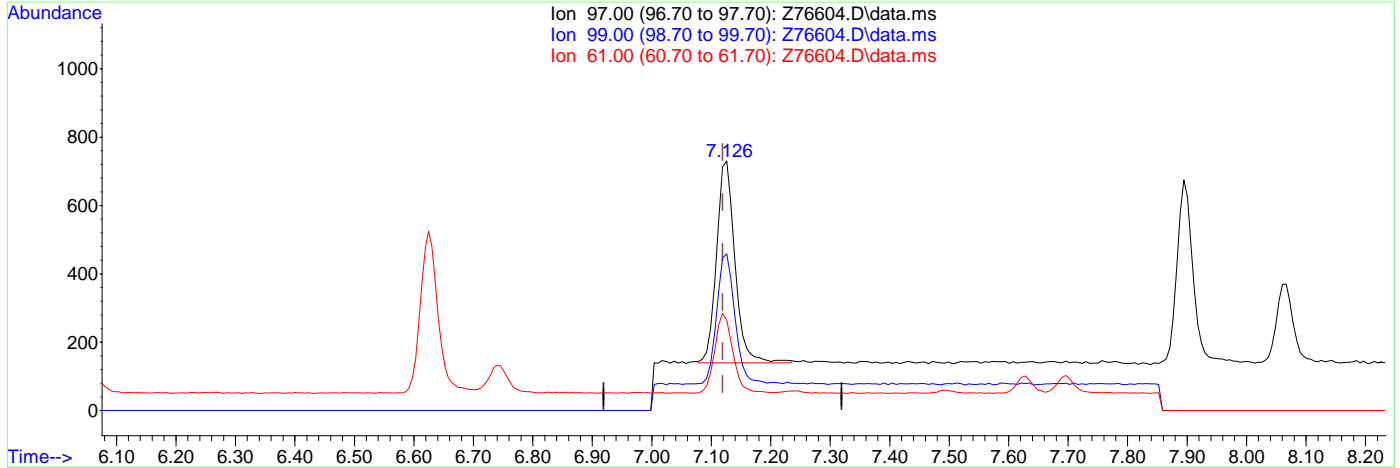
7.6.12.4
7

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\082824\
 Data File : Z76604.D
 Acq On : 28 Aug 2024 8:51 am
 Operator : claudias
 Sample : IC3084-2
 Misc : MS57344,VZ3084,,,,,
 ALS Vial : 4 Sample Multiplier: 1

Inst : MSVOA15-Z

Quant Time: Aug 28 09:15:52 2024
 Quant Method : C:\msdchem\1\methods\SIMCL-08-26-2024.M
 Quant Title : Standard Methods 6200B
 QLast Update : Mon Aug 26 13:08:06 2024
 Response via : Initial Calibration



(11) 1,1,1-Trichloroethane ()

7.126min (+0.007) 0.43ug/L m

response 1268

Ion	Exp%	Act%
97.00	100	100
99.00	64.80	62.88
61.00	33.90	36.16
0.00	0.00	0.00

7.6.12.5
7

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\082824\
 Data File : Z76605.D
 Acq On : 28 Aug 2024 9:24 am
 Operator : claudias
 Sample : IC3084-3 Inst : MSVOA15-Z
 Misc : MS57344,VZ3084,,,,,
 ALS Vial : 5 Sample Multiplier: 1

Quant Time: Aug 28 09:44:27 2024
 Quant Method : C:\msdchem\1\methods\SIMCL-08-26-2024.M
 Quant Title : Standard Methods 6200B
 QLast Update : Mon Aug 26 13:08:06 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	

Internal Standards							
1) Fluorobenzene	7.895	96	17109	5.00	ug/L	0.00	
18) Chlorobenzene-d5	10.975	117	18056	5.00	ug/L	0.00	
System Monitoring Compounds							
13) 1,2-Dichloroethane-d4	7.621	65	5580	3.81	ug/L	0.00	
Spiked Amount	5.000	Range 74 - 125	Recovery	=	76.20%		
19) Toluene-d8	9.428	98	20074	6.85	ug/L	0.00	
Spiked Amount	5.000	Range 88 - 111	Recovery	=	137.00%#		
Target Compounds							
							Qvalue
2) Vinyl Chloride	3.184	62	3807	1.87	ug/L		95
3) Chloromethane	3.129	50	4138	1.52	ug/L		98
4) 1,1-Dichloroethene	4.562	61	4077	1.51	ug/L		98
5) Methylene Chloride	5.208	49	6955	1.94	ug/L		96
6) trans-1,2-Dichloroethene	5.384	61	3886	1.48	ug/L		95
7) 1,1-Dichloroethane	6.059	63	5059	1.42	ug/L		100
8) cis-1,2-Dichloroethene	6.625	96	3101	1.72	ug/L		99
9) Chloroform	6.878	83	7182	1.85	ug/L		97
10) Carbon Tetrachloride	7.051	117	4748	1.76	ug/L		96
11) 1,1,1-Trichloroethane	7.119	97	5278	1.76	ug/L		97
12) Benzene	7.493	78	9612	1.78	ug/L		94
14) 1,2-Dichloroethane	7.689	62	3720	1.42	ug/L		94
15) Trichloroethene	8.061	95	2673	1.67	ug/L		93
16) 1,2-Dichloropropane	8.582	63	2618	1.66	ug/L		92
17) cis-1,3-Dichloropropene	9.240	75	4076	2.73	ug/L		91
20) trans-1,3-Dichloropropene	9.874	75	3710	3.00	ug/L		94
21) Tetrachloroethene	9.869	166	2773	1.87	ug/L #		91
22) 1,4-Dichlorobenzene	13.354	146	6062	1.78	ug/L		92
23) 1,2-Dibromo-3-Chloropr...	14.521	75	827	2.74	ug/L		83

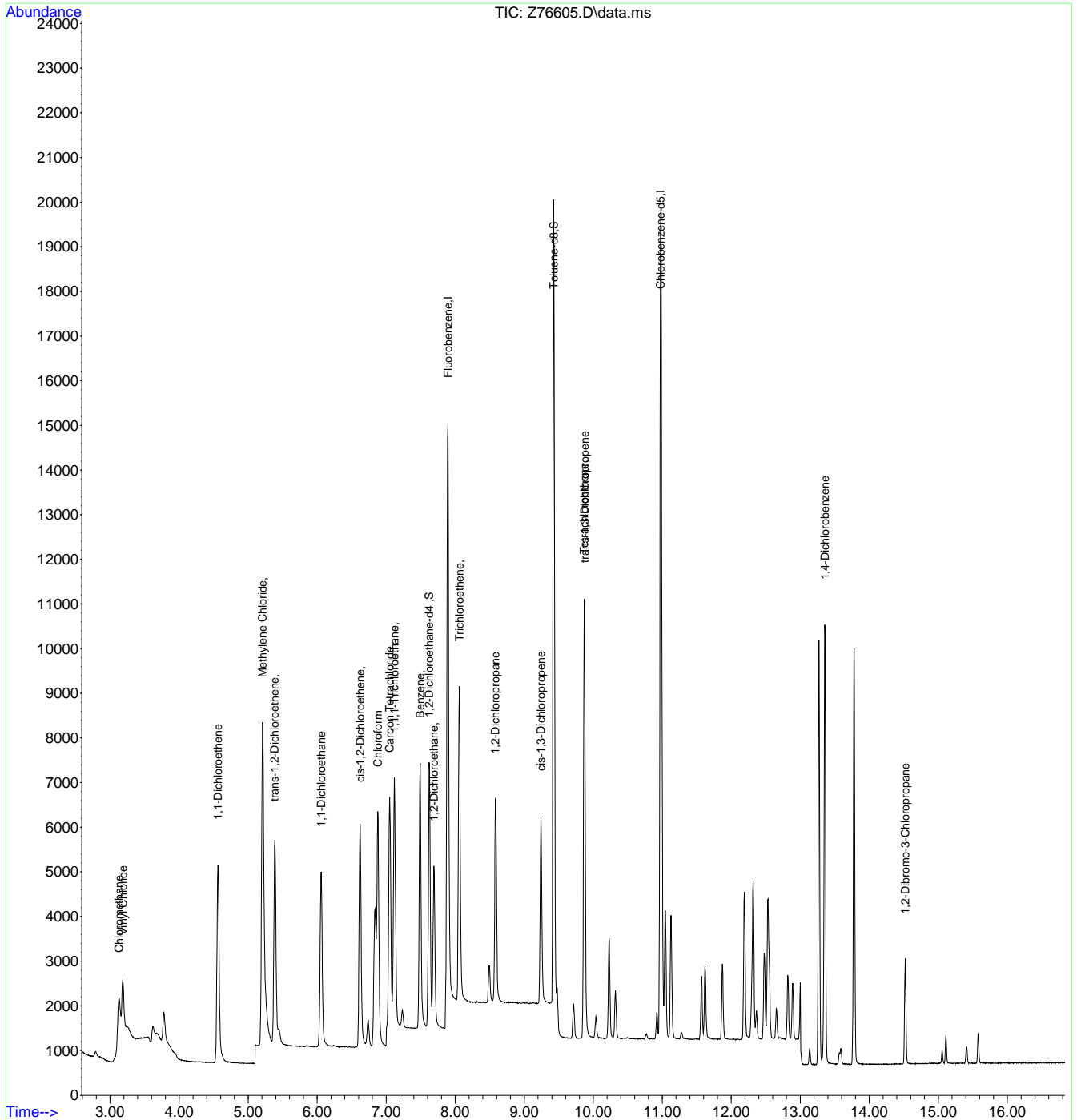
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\082824\
 Data File : Z76605.D
 Acq On : 28 Aug 2024 9:24 am
 Operator : claudias
 Sample : IC3084-3
 Misc : MS57344,VZ3084,,,,,
 ALS Vial : 5 Sample Multiplier: 1

Inst : MSVOA15-Z

Quant Time: Aug 28 09:44:27 2024
 Quant Method : C:\msdchem\1\methods\SIMCL-08-26-2024.M
 Quant Title : Standard Methods 6200B
 QLast Update : Mon Aug 26 13:08:06 2024
 Response via : Initial Calibration



7.6.13
7



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\082824\
 Data File : Z76606.D
 Acq On : 28 Aug 2024 9:47 am
 Operator : claudias
 Sample : IC3084-4 Inst : MSVOA15-Z
 Misc : MS57344,VZ3084,,,,,
 ALS Vial : 6 Sample Multiplier: 1

Quant Time: Aug 28 10:16:43 2024
 Quant Method : C:\msdchem\1\methods\SIMCL-08-26-2024.M
 Quant Title : Standard Methods 6200B
 QLast Update : Mon Aug 26 13:08:06 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	

Internal Standards							
1) Fluorobenzene	7.895	96	17386	5.00	ug/L	0.00	
18) Chlorobenzene-d5	10.980	117	18190	5.00	ug/L	0.00	
System Monitoring Compounds							
13) 1,2-Dichloroethane-d4	7.628	65	5389	3.62	ug/L	0.00	
Spiked Amount	5.000	Range 74 - 125	Recovery	=	72.40%#		
19) Toluene-d8	9.428	98	20073	6.80	ug/L	0.00	
Spiked Amount	5.000	Range 88 - 111	Recovery	=	136.00%#		
Target Compounds							
							Qvalue
2) Vinyl Chloride	3.192	62	8752	4.23	ug/L		97
3) Chloromethane	3.133	50	9782	3.54	ug/L		98
4) 1,1-Dichloroethene	4.566	61	10002	3.73	ug/L		98
5) Methylene Chloride	5.213	49	12634	3.58	ug/L		97
6) trans-1,2-Dichloroethene	5.389	61	9518	3.63	ug/L		96
7) 1,1-Dichloroethane	6.059	63	12642	3.58	ug/L		100
8) cis-1,2-Dichloroethene	6.625	96	7691	4.28	ug/L		96
9) Chloroform	6.883	83	15084	3.95	ug/L		97
10) Carbon Tetrachloride	7.058	117	10818	4.07	ug/L		98
11) 1,1,1-Trichloroethane	7.126	97	12294	4.15	ug/L		97
12) Benzene	7.493	78	24297	4.49	ug/L		95
14) 1,2-Dichloroethane	7.696	62	9391	3.63	ug/L		95
15) Trichloroethene	8.061	95	6734	4.17	ug/L		92
16) 1,2-Dichloropropane	8.588	63	6797	4.27	ug/L		93
17) cis-1,3-Dichloropropene	9.246	75	10532	6.63	ug/L		96
20) trans-1,3-Dichloropropene	9.874	75	9485	6.99	ug/L		94
21) Tetrachloroethene	9.874	166	6789	4.54	ug/L #		94
22) 1,4-Dichlorobenzene	13.354	146	15890	4.63	ug/L		94
23) 1,2-Dibromo-3-Chloropr...	14.520	75	2147	6.99	ug/L		83

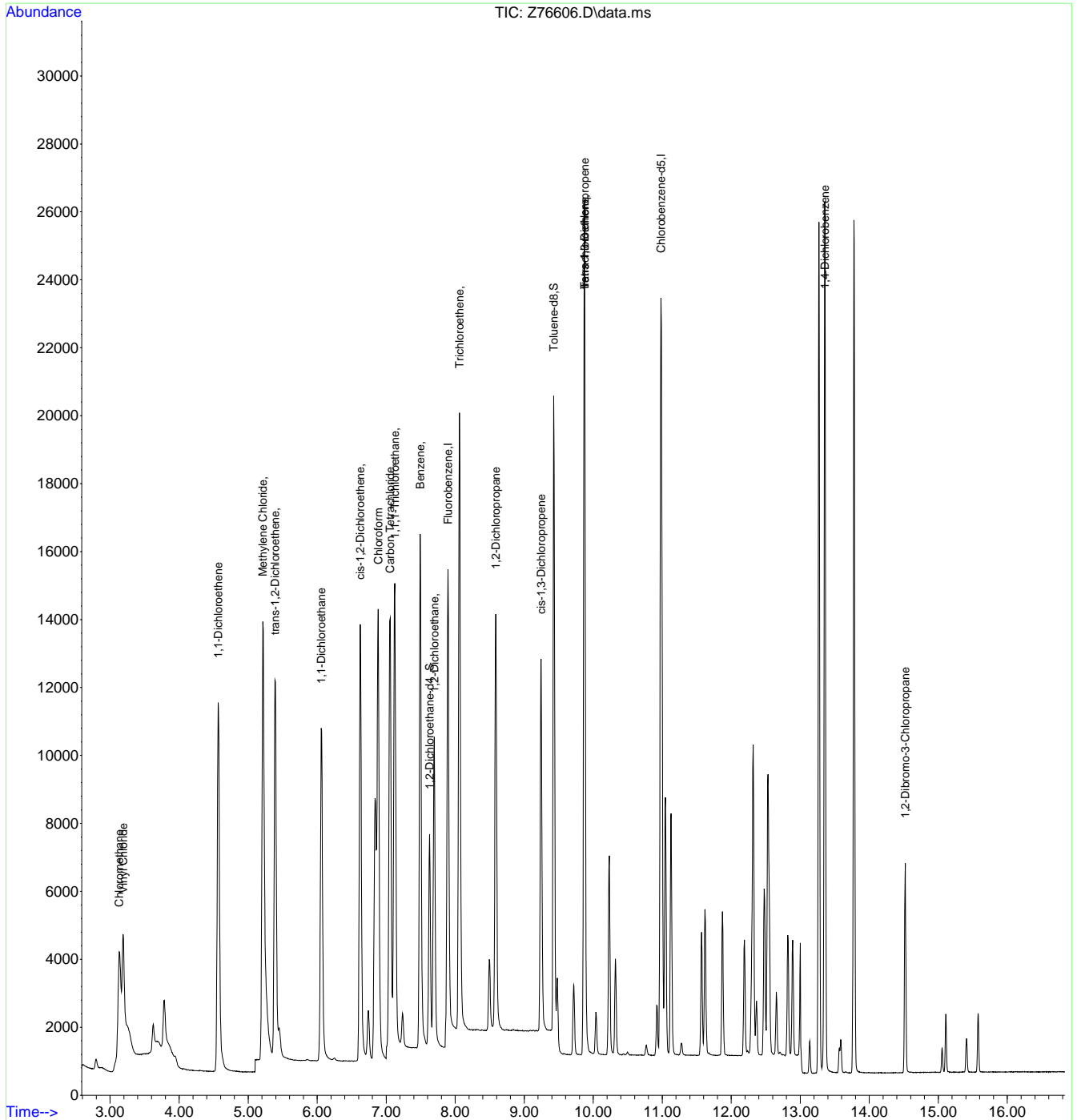
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\082824\
 Data File : Z76606.D
 Acq On : 28 Aug 2024 9:47 am
 Operator : claudias
 Sample : IC3084-4
 Misc : MS57344,VZ3084,,,,,
 ALS Vial : 6 Sample Multiplier: 1

Inst : MSVOA15-Z

Quant Time: Aug 28 10:16:43 2024
 Quant Method : C:\msdchem\1\methods\SIMCL-08-26-2024.M
 Quant Title : Standard Methods 6200B
 QLast Update : Mon Aug 26 13:08:06 2024
 Response via : Initial Calibration



7.6.14
7



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\082824\
 Data File : Z76607.D
 Acq On : 28 Aug 2024 10:10 am
 Operator : claudias
 Sample : ICC3084-5 Inst : MSVOA15-Z
 Misc : MS57344,VZ3084,,,,,
 ALS Vial : 7 Sample Multiplier: 1

Quant Time: Aug 28 10:28:32 2024
 Quant Method : C:\msdchem\1\methods\SIMCL-08-26-2024.M
 Quant Title : Standard Methods 6200B
 QLast Update : Mon Aug 26 13:08:06 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	

Internal Standards							
1) Fluorobenzene	7.894	96	18387	5.00	ug/L	0.00	
18) Chlorobenzene-d5	10.980	117	18425	5.00	ug/L	0.00	
System Monitoring Compounds							
13) 1,2-Dichloroethane-d4	7.628	65	5426	3.44	ug/L	0.00	
Spiked Amount	5.000	Range 74 - 125	Recovery	=	68.80%#		
19) Toluene-d8	9.428	98	20516	6.86	ug/L	0.00	
Spiked Amount	5.000	Range 88 - 111	Recovery	=	137.20%#		
Target Compounds							
							Qvalue
2) Vinyl Chloride	3.188	62	17613	8.06	ug/L		100
3) Chloromethane	3.133	50	20236	6.92	ug/L		98
4) 1,1-Dichloroethene	4.566	61	19367	7.06	ug/L		98
5) Methylene Chloride	5.213	49	22107	6.25	ug/L		96
6) trans-1,2-Dichloroethene	5.389	61	18666	6.95	ug/L		96
7) 1,1-Dichloroethane	6.059	63	24610	6.86	ug/L		100
8) cis-1,2-Dichloroethene	6.625	96	15116	8.15	ug/L		95
9) Chloroform	6.883	83	27829	7.23	ug/L		97
10) Carbon Tetrachloride	7.058	117	20386	7.64	ug/L		98
11) 1,1,1-Trichloroethane	7.126	97	22799	7.57	ug/L		97
12) Benzene	7.492	78	49059	8.72	ug/L		95
14) 1,2-Dichloroethane	7.696	62	18289	6.98	ug/L		95
15) Trichloroethene	8.060	95	13705	8.12	ug/L		92
16) 1,2-Dichloropropane	8.588	63	13638	8.22	ug/L		93
17) cis-1,3-Dichloropropene	9.246	75	21468	12.03	ug/L		96
20) trans-1,3-Dichloropropene	9.874	75	19329	12.60	ug/L		94
21) Tetrachloroethene	9.874	166	13326	8.74	ug/L #		94
22) 1,4-Dichlorobenzene	13.354	146	31554	9.05	ug/L		95
23) 1,2-Dibromo-3-Chloropr...	14.517	75	4029	12.79	ug/L #		77

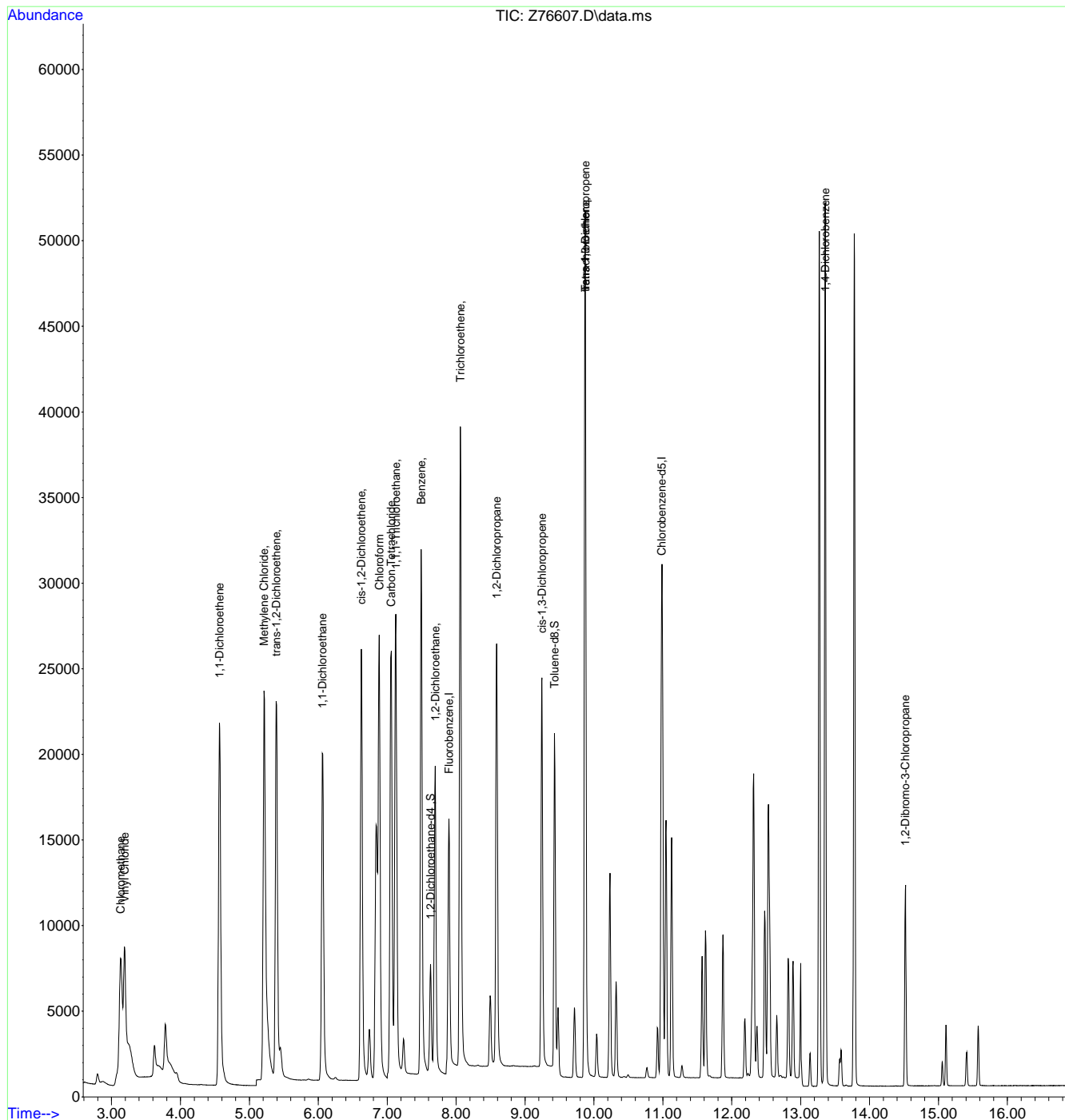
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\082824\
 Data File : Z76607.D
 Acq On : 28 Aug 2024 10:10 am
 Operator : claudias
 Sample : ICC3084-5
 Misc : MS57344,VZ3084,,,,,
 ALS Vial : 7 Sample Multiplier: 1

Inst : MSVOA15-Z

Quant Time: Aug 28 10:28:32 2024
 Quant Method : C:\msdchem\1\methods\SIMCL-08-26-2024.M
 Quant Title : Standard Methods 6200B
 QLast Update : Mon Aug 26 13:08:06 2024
 Response via : Initial Calibration



7.6.15
7



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\082824\
 Data File : Z76608.D
 Acq On : 28 Aug 2024 10:33 am
 Operator : claudias
 Sample : IC3084-6 Inst : MSVOA15-Z
 Misc : MS57344,VZ3084,,,,,
 ALS Vial : 8 Sample Multiplier: 1

Quant Time: Aug 28 10:56:38 2024
 Quant Method : C:\msdchem\1\methods\SIMCL-08-26-2024.M
 Quant Title : Standard Methods 6200B
 QLast Update : Mon Aug 26 13:08:06 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	

Internal Standards							
1) Fluorobenzene	7.895	96	19075	5.00	ug/L	0.00	
18) Chlorobenzene-d5	10.981	117	18623	5.00	ug/L	0.00	
System Monitoring Compounds							
13) 1,2-Dichloroethane-d4	7.628	65	5553	3.40	ug/L	0.00	
Spiked Amount	5.000	Range 74 - 125	Recovery	=	68.00%#		
19) Toluene-d8	9.429	98	20707	6.85	ug/L	0.00	
Spiked Amount	5.000	Range 88 - 111	Recovery	=	137.00%#		
Target Compounds							
							Qvalue
2) Vinyl Chloride	3.188	62	25840	11.40	ug/L		100
3) Chloromethane	3.133	50	29834	9.84	ug/L		99
4) 1,1-Dichloroethene	4.562	61	29746	10.86	ug/L		97
5) Methylene Chloride	5.213	49	31859	9.27	ug/L		97
6) trans-1,2-Dichloroethene	5.389	61	28992	10.82	ug/L		98
7) 1,1-Dichloroethane	6.059	63	38212	10.82	ug/L		100
8) cis-1,2-Dichloroethene	6.625	96	23568	12.64	ug/L		97
9) Chloroform	6.883	83	42304	11.30	ug/L		98
10) Carbon Tetrachloride	7.051	117	31222	12.11	ug/L		99
11) 1,1,1-Trichloroethane	7.126	97	35849	12.13	ug/L		97
12) Benzene	7.493	78	78789	13.79	ug/L		95
14) 1,2-Dichloroethane	7.696	62	28511	11.10	ug/L		95
15) Trichloroethene	8.061	95	22084	12.79	ug/L		92
16) 1,2-Dichloropropane	8.588	63	21809	12.87	ug/L		92
17) cis-1,3-Dichloropropene	9.241	75	34624	17.63	ug/L		91
20) trans-1,3-Dichloropropene	9.874	75	31427	18.32	ug/L		94
21) Tetrachloroethene	9.874	166	20947	13.52	ug/L #		94
22) 1,4-Dichlorobenzene	13.354	146	49500	14.00	ug/L		95
23) 1,2-Dibromo-3-Chloropr...	14.521	75	6212	19.22	ug/L		84

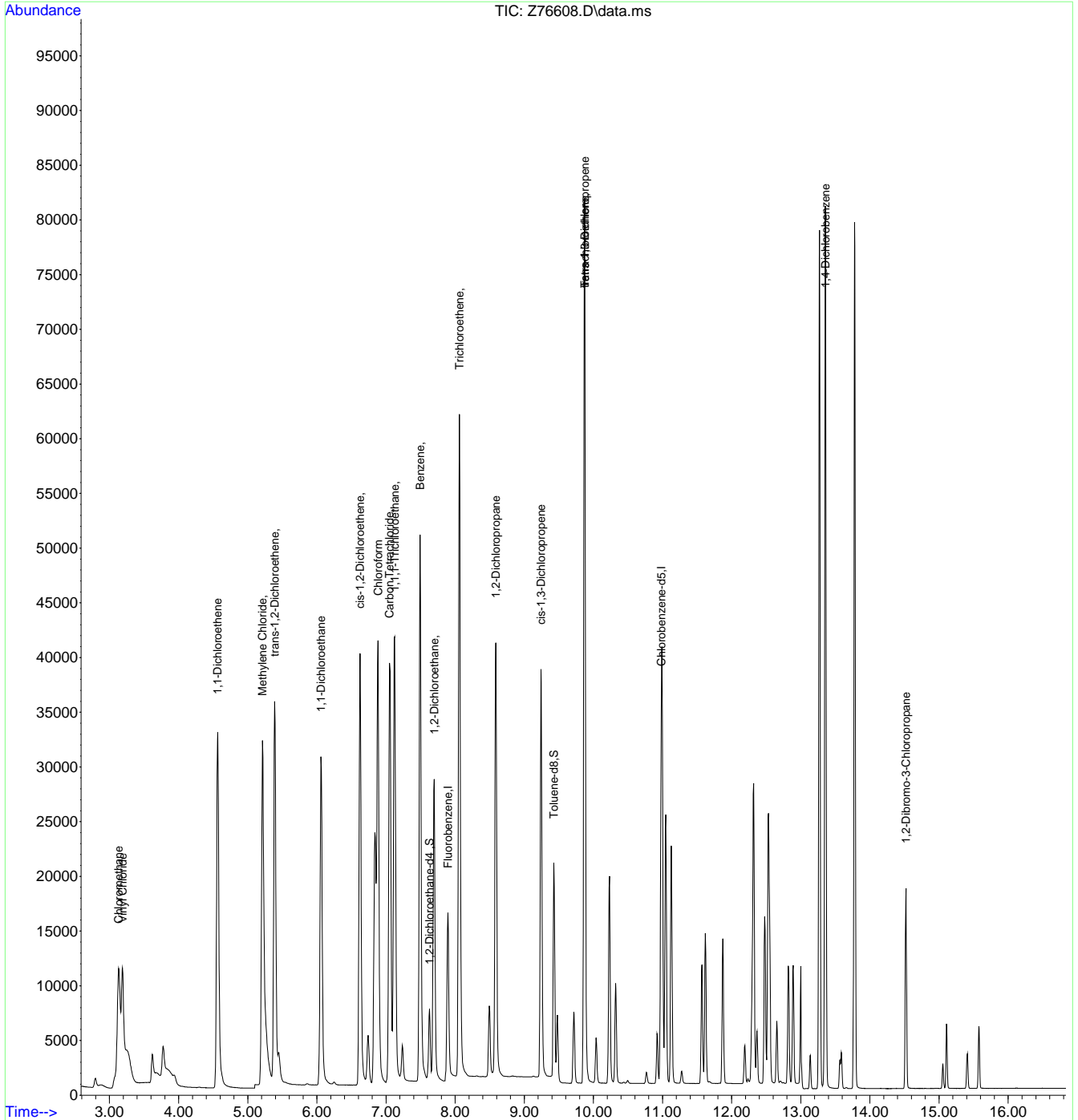
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\082824\
 Data File : Z76608.D
 Acq On : 28 Aug 2024 10:33 am
 Operator : claudias
 Sample : IC3084-6
 Misc : MS57344,VZ3084,,,,,
 ALS Vial : 8 Sample Multiplier: 1

Inst : MSVOA15-Z

Quant Time: Aug 28 10:56:38 2024
 Quant Method : C:\msdchem\1\methods\SIMCL-08-26-2024.M
 Quant Title : Standard Methods 6200B
 QLast Update : Mon Aug 26 13:08:06 2024
 Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\082824\
 Data File : Z76609.D
 Acq On : 28 Aug 2024 10:57 am
 Operator : claudias
 Sample : IC3084-7 Inst : MSVOA15-Z
 Misc : MS57344,VZ3084,,,,,
 ALS Vial : 9 Sample Multiplier: 1

Quant Time: Aug 28 11:14:06 2024
 Quant Method : C:\msdchem\1\methods\SIMCL-08-26-2024.M
 Quant Title : Standard Methods 6200B
 QLast Update : Mon Aug 26 13:08:06 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Fluorobenzene	7.895	96	19854	5.00	ug/L	0.00
18) Chlorobenzene-d5	10.980	117	19130	5.00	ug/L	0.00
System Monitoring Compounds						
13) 1,2-Dichloroethane-d4	7.628	65	5670	3.33	ug/L	0.00
Spiked Amount	5.000	Range 74 - 125	Recovery	=	66.60%#	
19) Toluene-d8	9.428	98	21351	6.88	ug/L	0.00
Spiked Amount	5.000	Range 88 - 111	Recovery	=	137.60%#	
Target Compounds						
						Qvalue
2) Vinyl Chloride	3.188	62	34546	14.64	ug/L	99
3) Chloromethane	3.133	50	39712	12.58	ug/L	99
4) 1,1-Dichloroethene	4.566	61	38127	13.78	ug/L	99
5) Methylene Chloride	5.213	49	39652	11.72	ug/L	97
6) trans-1,2-Dichloroethene	5.389	61	37250	13.77	ug/L	97
7) 1,1-Dichloroethane	6.059	63	49250	13.99	ug/L	100
8) cis-1,2-Dichloroethene	6.625	96	30314	15.99	ug/L	97
9) Chloroform	6.883	83	53897	14.61	ug/L	98
10) Carbon Tetrachloride	7.051	117	39942	15.86	ug/L	98
11) 1,1,1-Trichloroethane	7.126	97	45992	15.65	ug/L	97
12) Benzene	7.492	78	103044	17.62	ug/L	95
14) 1,2-Dichloroethane	7.696	62	36685	14.40	ug/L	95
15) Trichloroethene	8.061	95	28743	16.16	ug/L	92
16) 1,2-Dichloropropane	8.588	63	28227	16.20	ug/L	93
17) cis-1,3-Dichloropropene	9.246	75	44988	21.23	ug/L	96
20) trans-1,3-Dichloropropene	9.869	75	41051	21.96	ug/L	93
21) Tetrachloroethene	9.874	166	27204	17.02	ug/L #	94
22) 1,4-Dichlorobenzene	13.354	146	63291	17.40	ug/L	95
23) 1,2-Dibromo-3-Chloropr...	14.517	75	7993	23.82	ug/L #	77

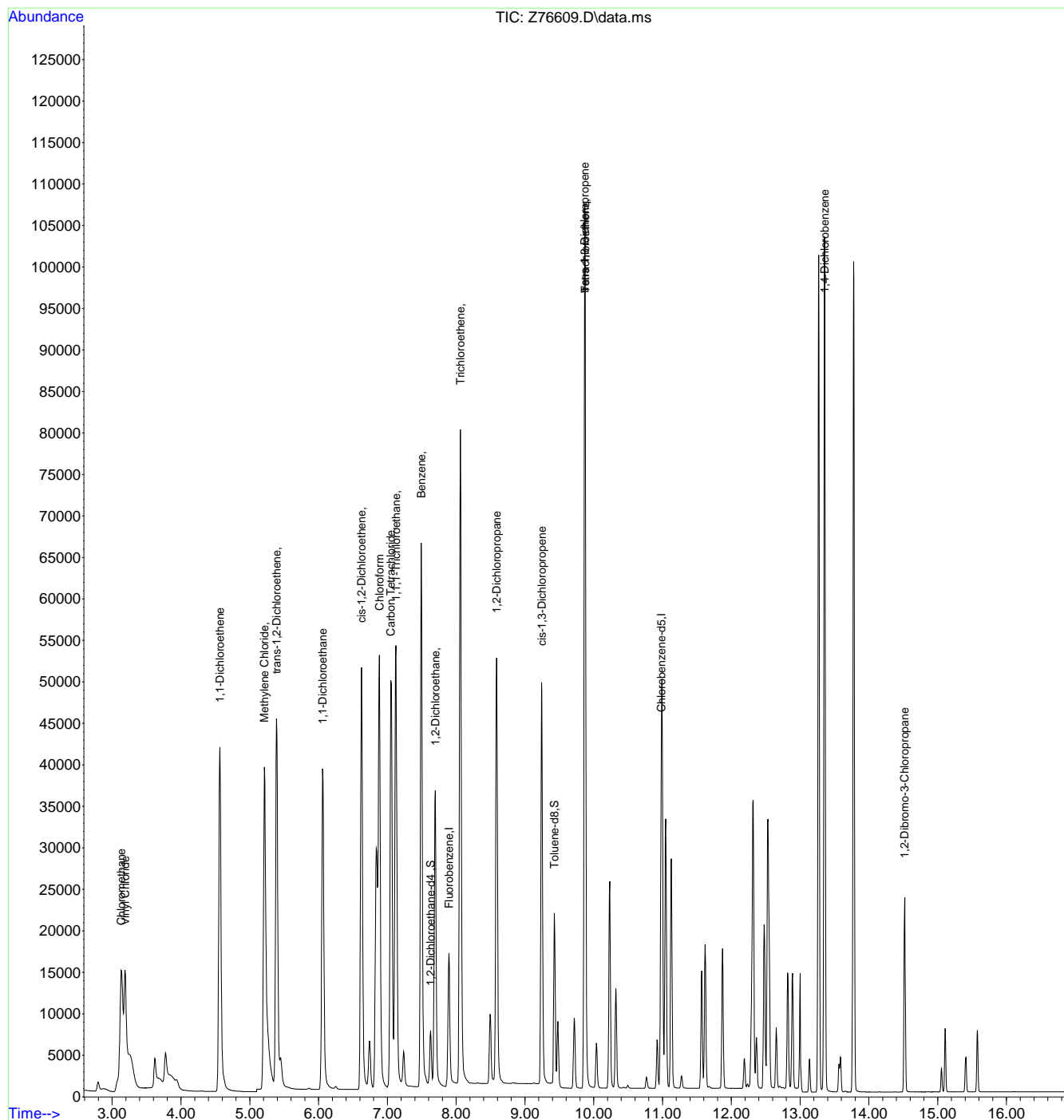
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\082824\
 Data File : Z76609.D
 Acq On : 28 Aug 2024 10:57 am
 Operator : claudias
 Sample : IC3084-7
 Misc : MS57344,VZ3084,,,,,
 ALS Vial : 9 Sample Multiplier: 1

Inst : MSVOA15-Z

Quant Time: Aug 28 11:14:06 2024
 Quant Method : C:\msdchem\1\methods\SIMCL-08-26-2024.M
 Quant Title : Standard Methods 6200B
 QLast Update : Mon Aug 26 13:08:06 2024
 Response via : Initial Calibration



7.6.17
7



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\082824\
 Data File : Z76611.D
 Acq On : 28 Aug 2024 11:43 am
 Operator : claudias
 Sample : icv3084-5 Inst : MSVOA15-Z
 Misc : MS57344,VZ3084,,,,,
 ALS Vial : 11 Sample Multiplier: 1

Quant Time: Aug 28 12:04:53 2024
 Quant Method : C:\msdchem\1\methods\SIMCL-08-28-2024.M
 Quant Title : Standard Methods 6200B
 QLast Update : Wed Aug 28 11:30:23 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	

Internal Standards							
1) Fluorobenzene	7.895	96	19205	5.00	ug/L	0.00	
18) Chlorobenzene-d5	10.980	117	19116	5.00	ug/L	0.00	
System Monitoring Compounds							
13) 1,2-Dichloroethane-d4	7.628	65	5603	4.82	ug/L	0.00	
Spiked Amount	5.000	Range	74 - 125	Recovery	=	96.40%	
19) Toluene-d8	9.428	98	21232	4.98	ug/L	0.00	
Spiked Amount	5.000	Range	88 - 111	Recovery	=	99.60%	
Target Compounds							
							Qvalue
2) Vinyl Chloride	3.188	62	15478	8.26	ug/L		99
3) Chloromethane	3.133	50	17429	8.15	ug/L		98
4) 1,1-Dichloroethene	4.566	61	21016	10.15	ug/L		99
5) Methylene Chloride	5.213	49	24313	10.02	ug/L		97
6) trans-1,2-Dichloroethene	5.389	61	20777	10.43	ug/L		98
7) 1,1-Dichloroethane	6.059	63	26656	10.76	ug/L		100
8) cis-1,2-Dichloroethene	6.625	96	16641	10.30	ug/L		97
9) Chloroform	6.883	83	30040	9.93	ug/L		98
10) Carbon Tetrachloride	7.051	117	22215	9.92	ug/L		98
11) 1,1,1-Trichloroethane	7.126	97	25363	10.21	ug/L		97
12) Benzene	7.492	78	54941	9.87	ug/L		95
14) 1,2-Dichloroethane	7.696	62	20330	10.40	ug/L		95
15) Trichloroethene	8.061	95	15602	10.63	ug/L		92
16) 1,2-Dichloropropane	8.588	63	15371	10.07	ug/L		93
17) cis-1,3-Dichloropropene	9.240	75	23259	10.10	ug/L		90
20) trans-1,3-Dichloropropene	9.874	75	19446	9.42	ug/L		94
21) Tetrachloroethene	9.874	166	14896	10.51	ug/L #		93
22) 1,4-Dichlorobenzene	13.354	146	34574	10.64	ug/L		95
23) 1,2-Dibromo-3-Chloropr...	14.520	75	4363	10.15	ug/L		83

(#) = qualifier out of range (m) = manual integration (+) = signals summed



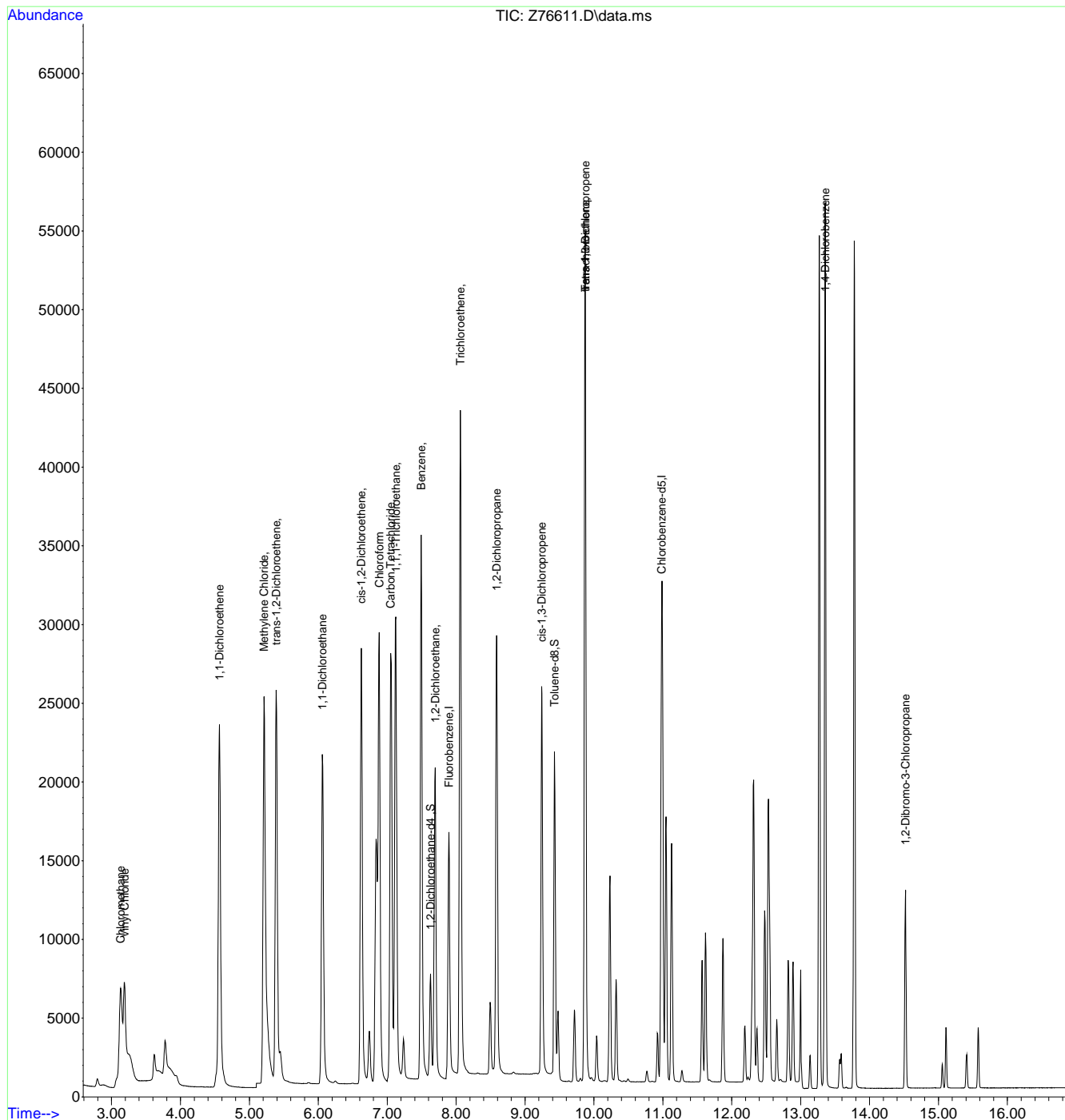
7.6.18
7

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\082824\
 Data File : Z76611.D
 Acq On : 28 Aug 2024 11:43 am
 Operator : claudias
 Sample : icv3084-5
 Misc : MS57344,VZ3084,,,,,
 ALS Vial : 11 Sample Multiplier: 1

Inst : MSVOA15-Z

Quant Time: Aug 28 12:04:53 2024
 Quant Method : C:\msdchem\1\methods\SIMCL-08-28-2024.M
 Quant Title : Standard Methods 6200B
 QLast Update : Wed Aug 28 11:30:23 2024
 Response via : Initial Calibration



7.6.18
7



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\082924\
 Data File : Z76641.D
 Acq On : 29 Aug 2024 7:23 am
 Operator : claudias
 Sample : cc3084-5 Inst : MSVOA15-Z
 Misc : MS57380,VZ3086,,,,,
 ALS Vial : 2 Sample Multiplier: 1

Quant Time: Aug 29 07:40:23 2024
 Quant Method : C:\msdchem\1\methods\SIMCL-08-28-2024.M
 Quant Title : Standard Methods 6200B
 QLast Update : Wed Aug 28 11:30:23 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	

Internal Standards							
1) Fluorobenzene	7.895	96	20891	5.00	ug/L	0.00	
18) Chlorobenzene-d5	10.975	117	21810	5.00	ug/L	0.00	
System Monitoring Compounds							
13) 1,2-Dichloroethane-d4	7.622	65	6271	4.95	ug/L	0.00	
Spiked Amount	5.000	Range 74 - 125	Recovery	=	99.00%		
19) Toluene-d8	9.429	98	23671	4.87	ug/L	0.00	
Spiked Amount	5.000	Range 88 - 111	Recovery	=	97.40%		
Target Compounds							
							Qvalue
2) Vinyl Chloride	3.188	62	21100	10.59	ug/L		100
3) Chloromethane	3.129	50	24528	10.79	ug/L		98
4) 1,1-Dichloroethene	4.562	61	24201	10.82	ug/L		97
5) Methylene Chloride	5.208	49	28636	11.12	ug/L		94
6) trans-1,2-Dichloroethene	5.384	61	23309	10.79	ug/L		94
7) 1,1-Dichloroethane	6.059	63	30364	11.27	ug/L		99
8) cis-1,2-Dichloroethene	6.620	96	18322	10.44	ug/L		93
9) Chloroform	6.878	83	32476	9.86	ug/L		96
10) Carbon Tetrachloride	7.051	117	23686	9.70	ug/L		99
11) 1,1,1-Trichloroethane	7.119	97	27791	10.29	ug/L		96
12) Benzene	7.493	78	59894	9.89	ug/L		93
14) 1,2-Dichloroethane	7.689	62	21898	10.28	ug/L		94
15) Trichloroethene	8.061	95	16312	10.19	ug/L		94
16) 1,2-Dichloropropane	8.582	63	16489	9.93	ug/L		91
17) cis-1,3-Dichloropropene	9.241	75	25365	10.12	ug/L		92
20) trans-1,3-Dichloropropene	9.869	75	22738	9.66	ug/L		93
21) Tetrachloroethene	9.869	166	15890	9.80	ug/L #		90
22) 1,4-Dichlorobenzene	13.355	146	37212	10.03	ug/L		95
23) 1,2-Dibromo-3-Chloropr...	14.517	75	4589	9.31	ug/L #		76

(#) = qualifier out of range (m) = manual integration (+) = signals summed

7.6.19
7

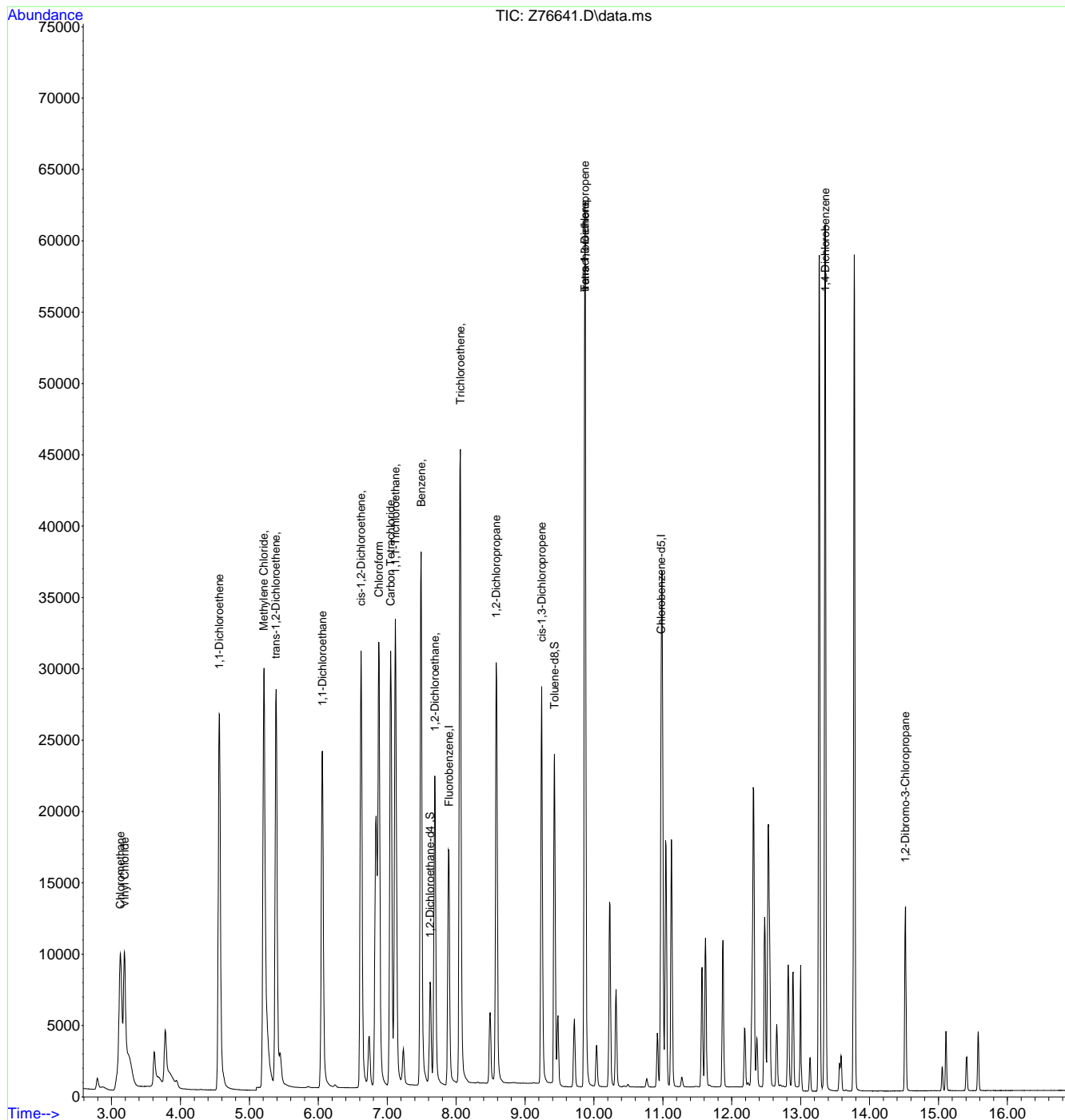


Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\082924\
 Data File : Z76641.D
 Acq On : 29 Aug 2024 7:23 am
 Operator : claudias
 Sample : cc3084-5
 Misc : MS57380,VZ3086,,,,,
 ALS Vial : 2 Sample Multiplier: 1

Inst : MSVOA15-Z

Quant Time: Aug 29 07:40:23 2024
 Quant Method : C:\msdchem\1\methods\SIMCL-08-28-2024.M
 Quant Title : Standard Methods 6200B
 QLast Update : Wed Aug 28 11:30:23 2024
 Response via : Initial Calibration



7.6.19
7



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\082924\
 Data File : Z76667.D
 Acq On : 29 Aug 2024 5:59 pm
 Operator : claudias
 Sample : ECC3084-5 Inst : MSVOA15-Z
 Misc : MS57383,VZ3086,,,,,
 ALS Vial : 28 Sample Multiplier: 1

Quant Time: Aug 30 06:22:26 2024
 Quant Method : C:\msdchem\1\methods\SIMCL-08-28-2024.M
 Quant Title : Standard Methods 6200B
 QLast Update : Wed Aug 28 11:30:23 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	

Internal Standards							
1) Fluorobenzene	7.895	96	21801	5.00	ug/L	0.00	
18) Chlorobenzene-d5	10.981	117	23127	5.00	ug/L	0.00	
System Monitoring Compounds							
13) 1,2-Dichloroethane-d4	7.628	65	6918	5.24	ug/L	0.00	
Spiked Amount	5.000	Range 74 - 125	Recovery	=	104.80%		
19) Toluene-d8	9.428	98	24952	4.84	ug/L	0.00	
Spiked Amount	5.000	Range 88 - 111	Recovery	=	96.80%		
Target Compounds							
							Qvalue
2) Vinyl Chloride	3.192	62	21960	10.56	ug/L		100
3) Chloromethane	3.133	50	26323	11.13	ug/L		99
4) 1,1-Dichloroethene	4.566	61	24311	10.37	ug/L		96
5) Methylene Chloride	5.213	49	29737	11.04	ug/L		93
6) trans-1,2-Dichloroethene	5.389	61	23357	10.32	ug/L		94
7) 1,1-Dichloroethane	6.059	63	31111	11.06	ug/L		100
8) cis-1,2-Dichloroethene	6.625	96	18323	9.96	ug/L		93
9) Chloroform	6.883	83	32641	9.44	ug/L		96
10) Carbon Tetrachloride	7.058	117	22634	8.76	ug/L		99
11) 1,1,1-Trichloroethane	7.126	97	27293	9.62	ug/L		96
12) Benzene	7.493	78	61415	9.72	ug/L		97
14) 1,2-Dichloroethane	7.696	62	23032	10.37	ug/L		93
15) Trichloroethene	8.061	95	16226	9.69	ug/L		90
16) 1,2-Dichloropropane	8.588	63	17220	9.94	ug/L		92
17) cis-1,3-Dichloropropene	9.246	75	25147	9.59	ug/L		93
20) trans-1,3-Dichloropropene	9.874	75	22469	9.00	ug/L		93
21) Tetrachloroethene	9.874	166	14983	8.68	ug/L #		92
22) 1,4-Dichlorobenzene	13.354	146	36224	9.21	ug/L		93
23) 1,2-Dibromo-3-Chloropr...	14.517	75	4652	8.87	ug/L #		69

(#) = qualifier out of range (m) = manual integration (+) = signals summed

7.6.20
7

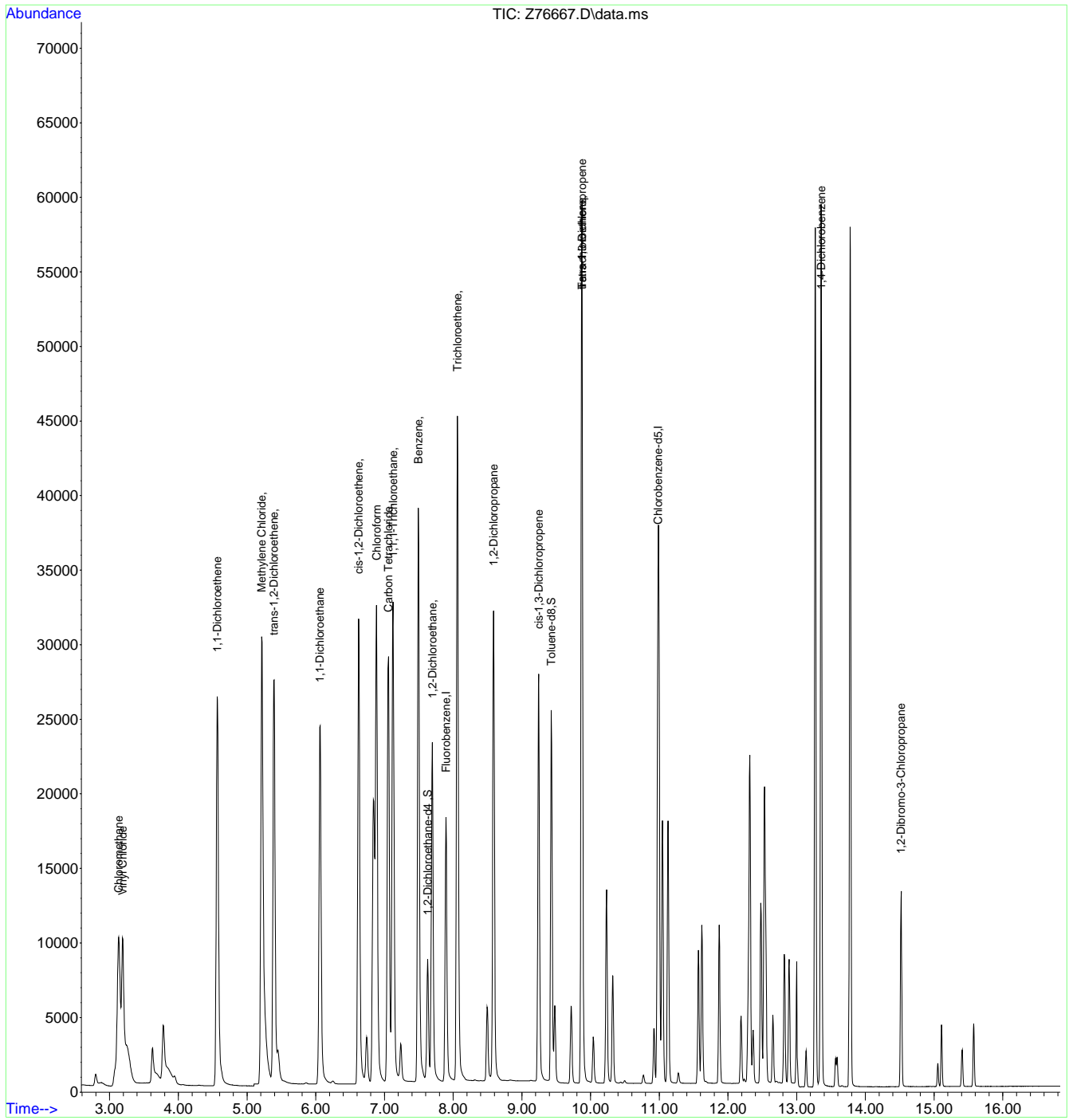


Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\082924\
Data File : Z76667.D
Acq On : 29 Aug 2024 5:59 pm
Operator : claudias
Sample : ECC3084-5
Misc : MS57383,VZ3086,,,,,
ALS Vial : 28 Sample Multiplier: 1

Inst : MSVOA15-Z

Quant Time: Aug 30 06:22:26 2024
Quant Method : C:\msdchem\1\methods\SIMCL-08-28-2024.M
Quant Title : Standard Methods 6200B
QLast Update : Wed Aug 28 11:30:23 2024
Response via : Initial Calibration



7.6.20
7



SGS -ORLANDO

VOA-GCMS ANALYSIS LOG

Instrument:	MS-VOA8-N
Date:	08/30/2024
Analyst:	Jenifer W
Column Type	RTX/VMS
Detector	5975C-MSD
Purge Pressure	
Purge Volume	5mL

Method(s):	SIMCL
Method File:	SIMCL_VN6705_08202024.M
Calibration Date:	08/20/2024
Acq. Method:	ACQ_SIMCLb
EM Voltage:	1353V
Run ID:	VN6712

BFB:	VS4050
ICAL/CC:	, VS4183, VS4198
ICV/BS:	, VS4167, VS4199
ISTD/Surr.:	VS4180

pH Paper Lot#:	230320A/211623A
KI Paper Lot#:	14-860 03/13/23
AFA Lot#:	VS3860
Data processed by:	Jenifer W
Sample ID Ver. by:	Jenifer W
Date Verified:	08/30/2024

Data File	Sample ID	Dilution Factor	Vial #	Matrix	A.S. Pos.	Work Group	pH	C? (Y/N)	RR	Comments and Manually Integrated Peaks (Peak # and Rational)
N0132370	BFB	-	-	Water	1	-	-	-	-	10uL → 40mL Autofind Tune Passed
N0132371	CC6705-5	-	-	Water	2	-	-	-	-	50uL → 50mL ✓
N0132372	BS	-	-	Water	3	-	-	-	-	25uL → 50mL ✓
N0132373	rinse	-	-	Water	4	-	-	-	-	
N0132374	MB	-	-	Water	5	-	-	-	-	ND ✓
N0132375	FC18342-1	-	1	Water	6	MS57392	1	N	-	PBL#9 ✓
N0132376	FC18342-2	-	1	Water	7	MS57392	1	N	-	✓
N0132377	FC18198-6	-	5	Water	8	MS57392	1	N	-	✓
N0132378	FC18342-3	-	1	Water	9	MS57392	1	N	-	✓
N0132379	FC18342-4	-	1	Water	10	MS57392	1	N	-	✓
N0132380	FC18342-5	-	1	Water	11	MS57392	1	N	-	✓
N0132381	FC18342-6	-	1	Water	12	MS57392	1	N	-	PBL#9 ✓
N0132382	FC18342-7	-	1	Water	13	MS57392	1	N	-	✓
N0132383	FC18342-8	-	1	Water	14	MS57392	1	N	-	✓
N0132384	FC18340-8	-	1	Water	15	MS57392	1	N	-	PBL#9 ✓
N0132385	FC18340-9	-	1	Water	16	MS57392	1	N	-	✓
N0132386	FC18198-2	-	2	Water	17	MS57392	1	N	-	✓
N0132387	FC18198-4	-	1	Water	18	MS57392	1	N	-	✓
N0132388	FC18198-8	-	3	Water	19	MS57392	1	N	-	✓
N0132389	FC18198-9	-	2	Water	20	MS57392	1	N	-	✓
N0132390	FC18198-12	-	2	Water	21	MS57392	1	N	-	PBL#9 ✓
N0132391	FC18198-16	-	2	Water	22	MS57392	1	N	-	PBL#9 ✓
N0132392	FC18198-18	-	2	Water	23	MS57392	1	N	-	✓
N0132393	FC18198-19	-	2	Water	24	MS57392	1	N	-	PBL#9 ✓
N0132394	FC18198-22	-	2	Water	25	MS57392	1	N	-	✓
N0132395	FC18198-6MS	-	6	Water	26	MS57392	1	N	-	spike 20uL → 40mL ✓
N0132396	FC18198-6MSD	-	7	Water	27	MS57392	1	N	-	spike 20uL → 40mL ✓
N0132397	ECC6705-5	-	-	Water	28	-	-	-	-	50uL → 50mL ✓

Matrix: Designate "V" for Water "S" for soil, "O" for Oil, "Liq" for Non-aqueous Liquid, and "TCLP" or "SPLP" for Leachate
 Manual Integration Rational SOP 0A029: NP Missed Peak, OP Overlapping Peak, SP Split Peak, PDB Poorly Defined Baseline, BR Baseline Ripple, PI Poor Instrument

SGS -ORLANDO

VOA-GCMS ANALYSIS LOG

Instrument:	MS/VOA15-Z
Date:	08/29/2024
Analyst:	claudias
Column Type	RTX/MS
Detector	5975C-MSD
Purge Pressure	
Purge Volume	5ml

Method(s):	8260SIMCL
Method File:	SIMCL-08-28-2024.M
Calibration Date:	08/28/24
Acq. Method:	ACQ_SIMCLB.M
EM Voltage:	1452
Run ID:	VZ3086

BFB:	VS4150
ICAL/CC:	, VS4183, VS4198
ICV/BS:	, VS4167, VS4199
ISTD/Surr.:	VS4083

pH Paper Lot#:	230320A
KI Paper Lot#:	n/a
AFA Lot#:	n/a
Data processed by:	claudias
Sample ID Ver. by:	claudias
Date Verified:	8/29/2024 0:00

Data File	Sample ID	Dilution Factor	Vial #	Matrix	A.S. Pos.	Work Group	pH	CI? (Y/N)	RR	Comments and Manually Integrated Peaks (Peak # and Rational)
Z76640	BFB	-	-	W	1	-	-	-	-	10.5 µl- 40 ml; passed
Z76641	cc3084-5	-	-	W	2	-	-	-	-	50µl- 50 ml
Z76642	BS	-	-	W	3	-	-	-	-	25µl- 50 ml
Z76643	rinse	-	-	W	4	-	-	-	-	
Z76644	Mb	-	-	W	5	-	-	-	-	✓
Z76645	FC-18339-18	1X	1	W	6	MSS7383	1	N	-	✓
Z76646	FC-18340-1	1X	1	W	7	MSS7383	1	N	-	✓
Z76647	FC-18340-4	1X	1	W	8	MSS7383	1	N	-	✓
Z76648	FC-18339-9	1X	1	W	9	MSS7383	1	N	-	✓ #9 (PII)
Z76649	FC-18339-10	1X	3	W	10	MSS7383	1	N	-	✓ #9 (PII)
Z76650	FC-18339-11	1X	1	W	11	MSS7383	1	N	-	✓ #9 (PII)
Z76651	FC-18339-12	1X	1	W	12	MSS7383	1	N	-	✓ #9 (PII)
Z76652	FC-18339-13	1X	1	W	13	MSS7383	1	N	-	✓
Z76653	FC-18339-14	1X	1	W	14	MSS7383	1	N	-	✓ #9 (PII)
Z76654	FC-18339-15	1X	1	W	15	MSS7383	1	N	-	✓ #9 (PII)
Z76655	FC-18339-16	1X	1	W	16	MSS7383	1	N	-	✓
Z76656	FC-18339-17	1X	1	W	17	MSS7383	1	N	-	✓
Z76657	FC-18339-19	1X	1	W	18	MSS7383	1	N	-	✓
Z76658	FC-18339-20	1X	1	W	19	MSS7383	1	N	-	✓ #9 (PII)
Z76659	FC-18339-21	1X	1	W	20	MSS7383	1	N	-	✓ #9 (PII)
Z76660	FC-18340-2	1X	1	W	21	MSS7383	1	N	-	✓ #9 (PII)
Z76661	FC-18340-3	1X	1	W	22	MSS7383	1	N	-	✓ #9, #10 (PII)
Z76662	FC-18340-5	1X	1	W	23	MSS7383	1	N	-	✓ #10 (PII)
Z76663	FC-18340-6	1X	1	W	24	MSS7383	1	N	-	✓ #9, #10 (PII)
Z76664	FC-18340-7	1X	1	W	25	MSS7383	1	N	-	✓ #9, #10 (PII)
Z76665	FC-18339-9MS	5X	2	W	26	MSS7383	1	N	-	20µl- 40 ml 10ml-50 ml✓
Z76666	FC-18339-9MSD	5X	2	W	27	MSS7383	1	N	-	20µl- 40 ml 10ml-50 ml✓
Z76667	ECC3084-5	-	-	W	28	-	-	-	-	50µl- 50 ml ✓

Matrix: Designate "W" for Water, "S" for soil, "O" for Oil, "L" for Non-aqueous Liquid, and "TCLP" or "SPLP" for Leachate
 Manual Integration Rational SOP QAO29: I/P Missed Peak, O/P Overlapping Peak, SP Split Peak, PDB Poorly Defined Baseline, BR Baseline Ripple, PII Poor Instrument

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

e-Hardcopy 2.0
Automated Report

Technical Report for

Ahtna Global, LLC

Fort Ord Groundwater Monitoring

21187.001.01.0000 (FFO 2024 Q3) OUCTP-A

SGS Job Number: FC18341

Sampling Date: 08/21/24

Report to:

Ahtna Global, LLC
9699 Blue Larkspur Lane Suite 203
Monterey, CA 93940
dlieberman@ahtna.net; mfisher@ahtna.net;
hdillon@ahtna.net; eschmidt@ahtna.net;
ATTN: Derek Lieberman

Total number of pages in report: **145**



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

A handwritten signature in black ink that reads "Norm Farmer".

Norm Farmer
Technical Director

Client Service contact: Elvin Kumar 407-425-6700

Certifications: FL(E83510), LA(03051), KS(E-10327), NC(573), NJ(FL002), NY(12022), SC(96038001)

DoD ELAP(ANAB L2229), AZ(AZ0806), CA(2937), TX(T104704404), PA(68-03573), VA(460177),

AL, AK, AR, CT, IA, KY, MA, MI, MS, ND, NH, NV, OK, OR, IL, UT, VT, WA, WI, WV

This report shall not be reproduced, except in its entirety, without the written approval of SGS.

Test results relate only to samples analyzed.

Table of Contents

-1-

Section 1: Sample Summary	3
Section 2: Case Narrative/Conformance Summary	4
Section 3: Summary of Hits	6
Section 4: Sample Results	8
4.1: FC18341-1: 2434X0BW048F	9
4.2: FC18341-2: 2434X0BW041F	10
4.3: FC18341-3: 2434X0BW053F	11
4.4: FC18341-4: 2434X0BW056F	12
4.5: FC18341-5: 2434X0BW052F	13
4.6: FC18341-6: 2434X0BW036F	14
4.7: FC18341-7: 2434X0BW049F	15
4.8: FC18341-8: 2434X0BW066D	16
4.9: FC18341-9: 2434X0BW050F	17
4.10: FC18341-10: 2434X0BW017F	18
Section 5: Misc. Forms	19
5.1: Chain of Custody	20
5.2: QC Evaluation: DOD QSM5.x Limits	23
Section 6: MS Volatiles - QC Data Summaries	25
6.1: Method Blank Summary	26
6.2: Blank Spike Summary	27
6.3: Matrix Spike/Matrix Spike Duplicate Summary	28
6.4: Instrument Performance Checks (BFB)	29
6.5: Internal Standard Area Summaries	31
6.6: Surrogate Recovery Summaries	32
6.7: Initial and Continuing Calibration Summaries	33
6.8: Run Sequence Reports	40
Section 7: MS Volatiles - Raw Data	42
7.1: Samples	43
7.2: Method Blanks	105
7.3: Blank Spikes	108
7.4: Matrix Spike/Matrix Spike Duplicates	110
7.5: Instrument Performance Checks (BFB)	117
7.6: Initial and Continuing Calibrations	119
7.7: Instrument Run Logs	144



Sample Summary

Ahtna Global, LLC

Job No: FC18341

Fort Ord Groundwater Monitoring

Project No: 21187.001.01.0000 (FFO 2024 Q3) OUCTP-A

Sample Number	Collected		Received	Matrix		Client Sample ID
	Date	Time By		Code	Type	
FC18341-1	08/21/24	08:46	08/27/24	AQ	Ground Water	2434X0BW048F
FC18341-2	08/21/24	09:20	08/27/24	AQ	Ground Water	2434X0BW041F
FC18341-3	08/21/24	10:35	08/27/24	AQ	Ground Water	2434X0BW053F
FC18341-4	08/21/24	11:12	08/27/24	AQ	Ground Water	2434X0BW056F
FC18341-5	08/21/24	11:40	08/27/24	AQ	Ground Water	2434X0BW052F
FC18341-6	08/21/24	11:57	08/27/24	AQ	Ground Water	2434X0BW036F
FC18341-7	08/21/24	13:47	08/27/24	AQ	Ground Water	2434X0BW049F
FC18341-8	08/21/24	13:48	08/27/24	AQ	Ground Water	2434X0BW066D
FC18341-9	08/21/24	14:23	08/27/24	AQ	Ground Water	2434X0BW050F
FC18341-10	08/21/24	14:44	08/27/24	AQ	Ground Water	2434X0BW017F

SAMPLE DELIVERY GROUP CASE NARRATIVE

Client: Ahtna Global, LLC

Job No: FC18341

Site: Fort Ord Groundwater Monitoring

Report Date: 9/3/2024 4:16:45 PM

On 08/27/2024, 10 Sample(s), 0 Trip Blank(s), 0 Equip. Blank(s) and 0 Field Blank(s) were received at SGS North America Inc - Orlando. at a maximum corrected temperature of 3.4 C. Samples were intact and chemically preserved, unless noted below. A SGS North America Inc. - Orlando Job Number of FC18341 was assigned to the project.

Laboratory sample ID, client sample ID and dates of sample collection are detailed in the report's Results Summary Section. Specified quality control criteria were achieved for this job except as noted below. For more information, please refer to the analytical results and QC summary pages.

MS Volatiles By Method SW846 8260D BY SIM

Matrix: AQ

Batch ID: VN6711

Sample(s) FC18256-4MS, FC18256-4MSD were used as the QC samples indicated.

Sample(s) FC18341-1, FC18341-10, FC18341-2, FC18341-3, FC18341-4, FC18341-5, FC18341-6, FC18341-7, FC18341-8, FC18341-9 have compound(s) reported with a "B" qualifier, indicating analyte is found in the associated method blank.

Blank Spike Recovery(s) for Methylene Chloride are outside control limits.

Matrix Spike Duplicate Recovery(s) for Tetrachloroethylene are outside control limits. Probable cause is due to matrix interference.

RPD(s) for MSD for Tetrachloroethylene are outside control limits for sample FC18256-4MSD. Probable cause is due to sample non-homogeneity.

VN6711-MB for Methylene Chloride: Suspected laboratory contaminant.

FC18341-1 for Vinyl Chloride: Associated CCV outside of DOD QSM control limits high, sample is ND.

FC18341-1 for Methylene Chloride: Suspected laboratory contaminant. Associated CCV and BS recovery outside DOD QSM control limits high.

FC18341-2 for Vinyl Chloride: Associated CCV outside of DOD QSM control limits high, sample is ND.

FC18341-2 for Methylene Chloride: Suspected laboratory contaminant. Associated CCV and BS recovery outside DOD QSM control limits high.

FC18341-3 for Vinyl Chloride: Associated CCV outside of DOD QSM control limits high, sample is ND.

FC18341-3 for Methylene Chloride: Suspected laboratory contaminant. Associated CCV and BS recovery outside DOD QSM control limits high.

FC18341-4 for Vinyl Chloride: Associated CCV outside of DOD QSM control limits high, sample is ND.

FC18341-4 for Methylene Chloride: Suspected laboratory contaminant. Associated CCV and BS recovery outside DOD QSM control limits high.

FC18341-5 for Vinyl Chloride: Associated CCV outside of DOD QSM control limits high, sample is ND.

FC18341-5 for Methylene Chloride: Suspected laboratory contaminant. Associated CCV and BS recovery outside DOD QSM control limits high.

FC18341-6 for Vinyl Chloride: Associated CCV outside of DOD QSM control limits high, sample is ND.

FC18341-6 for Methylene Chloride: Suspected laboratory contaminant. Associated CCV and BS recovery outside DOD QSM control limits high.

FC18341-7 for Vinyl Chloride: Associated CCV outside of DOD QSM control limits high, sample is ND.

FC18341-7 for Methylene Chloride: Suspected laboratory contaminant. Associated CCV and BS recovery outside DOD QSM control limits high.

FC18341-8 for Vinyl Chloride: Associated CCV outside of DOD QSM control limits high, sample is ND.

FC18341-8 for Methylene Chloride: Suspected laboratory contaminant. Associated CCV and BS recovery outside DOD QSM control limits high.

FC18341-9 for Vinyl Chloride: Associated CCV outside of DOD QSM control limits high, sample is ND.

FC18341-9 for Methylene Chloride: Suspected laboratory contaminant. Associated CCV and BS recovery outside DOD QSM control limits high.

FC18341-10 for Vinyl Chloride: Associated CCV outside of DOD QSM control limits high, sample is ND.

FC18341-10 for Methylene Chloride: Suspected laboratory contaminant. Associated CCV and BS recovery outside DOD QSM control limits high.

SGS North America Inc. - Orlando certifies that data reported for samples received, listed on the associated custody chain or analytical task order, were produced to specifications meeting the Quality System precision, accuracy and completeness objectives except as noted. Estimated non-standard method measurement uncertainty data is available on request, based on quality control bias and implicit for standard methods. Acceptable uncertainty requires tested parameter quality control data to meet method criteria. SGS North America Inc.- Orlando is not responsible for data quality assumptions if partial reports are used and recommends that this report be used in its entirety.

Narrative prepared by:

Kim Benham, Report Generation (signature on file)

Summary of Hits

Job Number: FC18341
Account: Ahtna Global, LLC
Project: Fort Ord Groundwater Monitoring
Collected: 08/21/24



Lab Sample ID	Client Sample ID	Result/ Analyte	LOQ	LOD	Units	Method	
FC18341-1	2434X0BW048F						
		Carbon Tetrachloride	0.45 J	0.50	0.25	ug/l	SW846 8260D BY SIM
		Chloroform	0.18 J	0.50	0.25	ug/l	SW846 8260D BY SIM
		Methylene Chloride ^a	1.5 JB	2.0	0.50	ug/l	SW846 8260D BY SIM
FC18341-2	2434X0BW041F						
		Carbon Tetrachloride	0.70	0.50	0.25	ug/l	SW846 8260D BY SIM
		Chloroform	0.19 J	0.50	0.25	ug/l	SW846 8260D BY SIM
		Methylene Chloride ^a	1.5 JB	2.0	0.50	ug/l	SW846 8260D BY SIM
FC18341-3	2434X0BW053F						
		Carbon Tetrachloride	0.31 J	0.50	0.25	ug/l	SW846 8260D BY SIM
		Chloroform	0.52	0.50	0.25	ug/l	SW846 8260D BY SIM
		Methylene Chloride ^a	1.6 JB	2.0	0.50	ug/l	SW846 8260D BY SIM
FC18341-4	2434X0BW056F						
		Carbon Tetrachloride	0.25 J	0.50	0.25	ug/l	SW846 8260D BY SIM
		Methylene Chloride ^a	1.7 JB	2.0	0.50	ug/l	SW846 8260D BY SIM
FC18341-5	2434X0BW052F						
		Carbon Tetrachloride	0.41 J	0.50	0.25	ug/l	SW846 8260D BY SIM
		Chloroform	0.13 J	0.50	0.25	ug/l	SW846 8260D BY SIM
		Methylene Chloride ^a	1.5 JB	2.0	0.50	ug/l	SW846 8260D BY SIM
FC18341-6	2434X0BW036F						
		Carbon Tetrachloride	0.52	0.50	0.25	ug/l	SW846 8260D BY SIM
		Chloroform	0.15 J	0.50	0.25	ug/l	SW846 8260D BY SIM
		Methylene Chloride ^a	1.4 JB	2.0	0.50	ug/l	SW846 8260D BY SIM
FC18341-7	2434X0BW049F						
		Carbon Tetrachloride	0.93	0.50	0.25	ug/l	SW846 8260D BY SIM
		Chloroform	0.27 J	0.50	0.25	ug/l	SW846 8260D BY SIM
		Methylene Chloride ^a	1.3 JB	2.0	0.50	ug/l	SW846 8260D BY SIM
FC18341-8	2434X0BW066D						
		Carbon Tetrachloride	0.93	0.50	0.25	ug/l	SW846 8260D BY SIM
		Chloroform	0.28 J	0.50	0.25	ug/l	SW846 8260D BY SIM

Summary of Hits

Job Number: FC18341
Account: Ahtna Global, LLC
Project: Fort Ord Groundwater Monitoring
Collected: 08/21/24



Lab Sample ID	Client Sample ID	Result/ Qual	LOQ	LOD	Units	Method
Methylene Chloride ^a		1.3 JB	2.0	0.50	ug/l	SW846 8260D BY SIM
FC18341-9	2434X0BW050F					
Carbon Tetrachloride		0.68	0.50	0.25	ug/l	SW846 8260D BY SIM
Chloroform		0.35 J	0.50	0.25	ug/l	SW846 8260D BY SIM
Methylene Chloride ^a		1.3 JB	2.0	0.50	ug/l	SW846 8260D BY SIM
FC18341-10	2434X0BW017F					
Methylene Chloride ^a		1.3 JB	2.0	0.50	ug/l	SW846 8260D BY SIM

(a) Suspected laboratory contaminant. Associated CCV and BS recovery outside DOD QSM control limits high.

Sample Results

Report of Analysis

SGS North America Inc.

Report of Analysis

Page 1 of 1

Client Sample ID:	2434X0BW048F	Date Sampled:	08/21/24
Lab Sample ID:	FC18341-1	Date Received:	08/27/24
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8260D BY SIM		
Project:	Fort Ord Groundwater Monitoring		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	N0132357.D	1	08/29/24 12:43	JW	n/a	n/a	VN6711
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA Special List

CAS No.	Compound	Result	LOQ	LOD	DL	Units	Q
56-23-5	Carbon Tetrachloride	0.45	0.50	0.25	0.10	ug/l	J
67-66-3	Chloroform	0.18	0.50	0.25	0.10	ug/l	J
75-35-4	1,1-Dichloroethylene	0.25 U	0.50	0.25	0.10	ug/l	
540-59-0	1,2-Dichloroethene (total)	0.25 U	0.50	0.25	0.10	ug/l	
75-09-2	Methylene Chloride ^a	1.5	2.0	0.50	0.50	ug/l	JB
127-18-4	Tetrachloroethylene	0.25 U	0.50	0.25	0.10	ug/l	
79-01-6	Trichloroethylene	0.25 U	0.50	0.25	0.10	ug/l	
75-01-4	Vinyl Chloride ^b	0.10 U	0.10	0.10	0.050	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
17060-07-0	1,2-Dichloroethane-D4	112%		74-125%
2037-26-5	Toluene-D8	103%		88-111%

(a) Suspected laboratory contaminant. Associated CCV and BS recovery outside DOD QSM control limits high.

(b) Associated CCV outside of DOD QSM control limits high, sample is ND.

U = Not detected

LOD = Limit of Detection

J = Indicates an estimated value

LOQ = Limit of Quantitation

DL = Detection Limit

B = Indicates analyte found in associated method blank

E = Indicates value exceeds calibration range

N = Indicates presumptive evidence of a compound

SGS North America Inc.

Report of Analysis

Page 1 of 1

Client Sample ID:	2434X0BW041F	Date Sampled:	08/21/24
Lab Sample ID:	FC18341-2	Date Received:	08/27/24
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8260D BY SIM		
Project:	Fort Ord Groundwater Monitoring		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	N0132358.D	1	08/29/24 13:07	JW	n/a	n/a	VN6711
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA Special List

CAS No.	Compound	Result	LOQ	LOD	DL	Units	Q
56-23-5	Carbon Tetrachloride	0.70	0.50	0.25	0.10	ug/l	
67-66-3	Chloroform	0.19	0.50	0.25	0.10	ug/l	J
75-35-4	1,1-Dichloroethylene	0.25 U	0.50	0.25	0.10	ug/l	
540-59-0	1,2-Dichloroethene (total)	0.25 U	0.50	0.25	0.10	ug/l	
75-09-2	Methylene Chloride ^a	1.5	2.0	0.50	0.50	ug/l	JB
127-18-4	Tetrachloroethylene	0.25 U	0.50	0.25	0.10	ug/l	
79-01-6	Trichloroethylene	0.25 U	0.50	0.25	0.10	ug/l	
75-01-4	Vinyl Chloride ^b	0.10 U	0.10	0.10	0.050	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
17060-07-0	1,2-Dichloroethane-D4	114%		74-125%
2037-26-5	Toluene-D8	102%		88-111%

(a) Suspected laboratory contaminant. Associated CCV and BS recovery outside DOD QSM control limits high.

(b) Associated CCV outside of DOD QSM control limits high, sample is ND.

U = Not detected

LOD = Limit of Detection

J = Indicates an estimated value

LOQ = Limit of Quantitation

DL = Detection Limit

B = Indicates analyte found in associated method blank

E = Indicates value exceeds calibration range

N = Indicates presumptive evidence of a compound

SGS North America Inc.

Report of Analysis

Page 1 of 1

Client Sample ID:	2434X0BW053F	Date Sampled:	08/21/24
Lab Sample ID:	FC18341-3	Date Received:	08/27/24
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8260D BY SIM		
Project:	Fort Ord Groundwater Monitoring		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	N0132359.D	1	08/29/24 13:31	JW	n/a	n/a	VN6711
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA Special List

CAS No.	Compound	Result	LOQ	LOD	DL	Units	Q
56-23-5	Carbon Tetrachloride	0.31	0.50	0.25	0.10	ug/l	J
67-66-3	Chloroform	0.52	0.50	0.25	0.10	ug/l	
75-35-4	1,1-Dichloroethylene	0.25 U	0.50	0.25	0.10	ug/l	
540-59-0	1,2-Dichloroethene (total)	0.25 U	0.50	0.25	0.10	ug/l	
75-09-2	Methylene Chloride ^a	1.6	2.0	0.50	0.50	ug/l	JB
127-18-4	Tetrachloroethylene	0.25 U	0.50	0.25	0.10	ug/l	
79-01-6	Trichloroethylene	0.25 U	0.50	0.25	0.10	ug/l	
75-01-4	Vinyl Chloride ^b	0.10 U	0.10	0.10	0.050	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
17060-07-0	1,2-Dichloroethane-D4	114%		74-125%
2037-26-5	Toluene-D8	102%		88-111%

(a) Suspected laboratory contaminant. Associated CCV and BS recovery outside DOD QSM control limits high.

(b) Associated CCV outside of DOD QSM control limits high, sample is ND.

U = Not detected

LOD = Limit of Detection

J = Indicates an estimated value

LOQ = Limit of Quantitation

DL = Detection Limit

B = Indicates analyte found in associated method blank

E = Indicates value exceeds calibration range

N = Indicates presumptive evidence of a compound

SGS North America Inc.

Report of Analysis

Page 1 of 1

Client Sample ID:	2434X0BW056F	Date Sampled:	08/21/24
Lab Sample ID:	FC18341-4	Date Received:	08/27/24
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8260D BY SIM		
Project:	Fort Ord Groundwater Monitoring		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	N0132360.D	1	08/29/24 13:56	JW	n/a	n/a	VN6711
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA Special List

CAS No.	Compound	Result	LOQ	LOD	DL	Units	Q
56-23-5	Carbon Tetrachloride	0.25	0.50	0.25	0.10	ug/l	J
67-66-3	Chloroform	0.25 U	0.50	0.25	0.10	ug/l	
75-35-4	1,1-Dichloroethylene	0.25 U	0.50	0.25	0.10	ug/l	
540-59-0	1,2-Dichloroethene (total)	0.25 U	0.50	0.25	0.10	ug/l	
75-09-2	Methylene Chloride ^a	1.7	2.0	0.50	0.50	ug/l	JB
127-18-4	Tetrachloroethylene	0.25 U	0.50	0.25	0.10	ug/l	
79-01-6	Trichloroethylene	0.25 U	0.50	0.25	0.10	ug/l	
75-01-4	Vinyl Chloride ^b	0.10 U	0.10	0.10	0.050	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
17060-07-0	1,2-Dichloroethane-D4	112%		74-125%
2037-26-5	Toluene-D8	104%		88-111%

(a) Suspected laboratory contaminant. Associated CCV and BS recovery outside DOD QSM control limits high.

(b) Associated CCV outside of DOD QSM control limits high, sample is ND.

U = Not detected

LOD = Limit of Detection

J = Indicates an estimated value

LOQ = Limit of Quantitation

DL = Detection Limit

B = Indicates analyte found in associated method blank

E = Indicates value exceeds calibration range

N = Indicates presumptive evidence of a compound

SGS North America Inc.

Report of Analysis

Page 1 of 1

Client Sample ID:	2434X0BW052F	Date Sampled:	08/21/24
Lab Sample ID:	FC18341-5	Date Received:	08/27/24
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8260D BY SIM		
Project:	Fort Ord Groundwater Monitoring		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	N0132361.D	1	08/29/24 14:20	JW	n/a	n/a	VN6711
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA Special List

CAS No.	Compound	Result	LOQ	LOD	DL	Units	Q
56-23-5	Carbon Tetrachloride	0.41	0.50	0.25	0.10	ug/l	J
67-66-3	Chloroform	0.13	0.50	0.25	0.10	ug/l	J
75-35-4	1,1-Dichloroethylene	0.25 U	0.50	0.25	0.10	ug/l	
540-59-0	1,2-Dichloroethene (total)	0.25 U	0.50	0.25	0.10	ug/l	
75-09-2	Methylene Chloride ^a	1.5	2.0	0.50	0.50	ug/l	JB
127-18-4	Tetrachloroethylene	0.25 U	0.50	0.25	0.10	ug/l	
79-01-6	Trichloroethylene	0.25 U	0.50	0.25	0.10	ug/l	
75-01-4	Vinyl Chloride ^b	0.10 U	0.10	0.10	0.050	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
17060-07-0	1,2-Dichloroethane-D4	115%		74-125%
2037-26-5	Toluene-D8	103%		88-111%

(a) Suspected laboratory contaminant. Associated CCV and BS recovery outside DOD QSM control limits high.

(b) Associated CCV outside of DOD QSM control limits high, sample is ND.

U = Not detected

LOD = Limit of Detection

J = Indicates an estimated value

LOQ = Limit of Quantitation

DL = Detection Limit

B = Indicates analyte found in associated method blank

E = Indicates value exceeds calibration range

N = Indicates presumptive evidence of a compound

SGS North America Inc.

Report of Analysis

Page 1 of 1

Client Sample ID:	2434X0BW036F	Date Sampled:	08/21/24
Lab Sample ID:	FC18341-6	Date Received:	08/27/24
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8260D BY SIM		
Project:	Fort Ord Groundwater Monitoring		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	N0132362.D	1	08/29/24 14:44	JW	n/a	n/a	VN6711
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA Special List

CAS No.	Compound	Result	LOQ	LOD	DL	Units	Q
56-23-5	Carbon Tetrachloride	0.52	0.50	0.25	0.10	ug/l	
67-66-3	Chloroform	0.15	0.50	0.25	0.10	ug/l	J
75-35-4	1,1-Dichloroethylene	0.25 U	0.50	0.25	0.10	ug/l	
540-59-0	1,2-Dichloroethene (total)	0.25 U	0.50	0.25	0.10	ug/l	
75-09-2	Methylene Chloride ^a	1.4	2.0	0.50	0.50	ug/l	JB
127-18-4	Tetrachloroethylene	0.25 U	0.50	0.25	0.10	ug/l	
79-01-6	Trichloroethylene	0.25 U	0.50	0.25	0.10	ug/l	
75-01-4	Vinyl Chloride ^b	0.10 U	0.10	0.10	0.050	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
17060-07-0	1,2-Dichloroethane-D4	113%		74-125%
2037-26-5	Toluene-D8	105%		88-111%

(a) Suspected laboratory contaminant. Associated CCV and BS recovery outside DOD QSM control limits high.

(b) Associated CCV outside of DOD QSM control limits high, sample is ND.

U = Not detected

LOD = Limit of Detection

J = Indicates an estimated value

LOQ = Limit of Quantitation

DL = Detection Limit

B = Indicates analyte found in associated method blank

E = Indicates value exceeds calibration range

N = Indicates presumptive evidence of a compound

SGS North America Inc.

Report of Analysis

Page 1 of 1

Client Sample ID:	2434X0BW049F	Date Sampled:	08/21/24
Lab Sample ID:	FC18341-7	Date Received:	08/27/24
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8260D BY SIM		
Project:	Fort Ord Groundwater Monitoring		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	N0132363.D	1	08/29/24 15:07	JW	n/a	n/a	VN6711
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA Special List

CAS No.	Compound	Result	LOQ	LOD	DL	Units	Q
56-23-5	Carbon Tetrachloride	0.93	0.50	0.25	0.10	ug/l	
67-66-3	Chloroform	0.27	0.50	0.25	0.10	ug/l	J
75-35-4	1,1-Dichloroethylene	0.25 U	0.50	0.25	0.10	ug/l	
540-59-0	1,2-Dichloroethene (total)	0.25 U	0.50	0.25	0.10	ug/l	
75-09-2	Methylene Chloride ^a	1.3	2.0	0.50	0.50	ug/l	JB
127-18-4	Tetrachloroethylene	0.25 U	0.50	0.25	0.10	ug/l	
79-01-6	Trichloroethylene	0.25 U	0.50	0.25	0.10	ug/l	
75-01-4	Vinyl Chloride ^b	0.10 U	0.10	0.10	0.050	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
17060-07-0	1,2-Dichloroethane-D4	115%		74-125%
2037-26-5	Toluene-D8	104%		88-111%

(a) Suspected laboratory contaminant. Associated CCV and BS recovery outside DOD QSM control limits high.

(b) Associated CCV outside of DOD QSM control limits high, sample is ND.

U = Not detected

LOD = Limit of Detection

J = Indicates an estimated value

LOQ = Limit of Quantitation

DL = Detection Limit

B = Indicates analyte found in associated method blank

E = Indicates value exceeds calibration range

N = Indicates presumptive evidence of a compound

SGS North America Inc.

Report of Analysis

Page 1 of 1

Client Sample ID:	2434X0BW066D	Date Sampled:	08/21/24
Lab Sample ID:	FC18341-8	Date Received:	08/27/24
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8260D BY SIM		
Project:	Fort Ord Groundwater Monitoring		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	N0132364.D	1	08/29/24 15:31	JW	n/a	n/a	VN6711
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA Special List

CAS No.	Compound	Result	LOQ	LOD	DL	Units	Q
56-23-5	Carbon Tetrachloride	0.93	0.50	0.25	0.10	ug/l	
67-66-3	Chloroform	0.28	0.50	0.25	0.10	ug/l	J
75-35-4	1,1-Dichloroethylene	0.25 U	0.50	0.25	0.10	ug/l	
540-59-0	1,2-Dichloroethene (total)	0.25 U	0.50	0.25	0.10	ug/l	
75-09-2	Methylene Chloride ^a	1.3	2.0	0.50	0.50	ug/l	JB
127-18-4	Tetrachloroethylene	0.25 U	0.50	0.25	0.10	ug/l	
79-01-6	Trichloroethylene	0.25 U	0.50	0.25	0.10	ug/l	
75-01-4	Vinyl Chloride ^b	0.10 U	0.10	0.10	0.050	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
17060-07-0	1,2-Dichloroethane-D4	115%		74-125%
2037-26-5	Toluene-D8	103%		88-111%

(a) Suspected laboratory contaminant. Associated CCV and BS recovery outside DOD QSM control limits high.

(b) Associated CCV outside of DOD QSM control limits high, sample is ND.

U = Not detected

LOD = Limit of Detection

J = Indicates an estimated value

LOQ = Limit of Quantitation

DL = Detection Limit

B = Indicates analyte found in associated method blank

E = Indicates value exceeds calibration range

N = Indicates presumptive evidence of a compound

SGS North America Inc.

Report of Analysis

Page 1 of 1

Client Sample ID:	2434X0BW050F	Date Sampled:	08/21/24
Lab Sample ID:	FC18341-9	Date Received:	08/27/24
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8260D BY SIM		
Project:	Fort Ord Groundwater Monitoring		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	N0132365.D	1	08/29/24 15:54	JW	n/a	n/a	VN6711
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA Special List

CAS No.	Compound	Result	LOQ	LOD	DL	Units	Q
56-23-5	Carbon Tetrachloride	0.68	0.50	0.25	0.10	ug/l	
67-66-3	Chloroform	0.35	0.50	0.25	0.10	ug/l	J
75-35-4	1,1-Dichloroethylene	0.25 U	0.50	0.25	0.10	ug/l	
540-59-0	1,2-Dichloroethene (total)	0.25 U	0.50	0.25	0.10	ug/l	
75-09-2	Methylene Chloride ^a	1.3	2.0	0.50	0.50	ug/l	JB
127-18-4	Tetrachloroethylene	0.25 U	0.50	0.25	0.10	ug/l	
79-01-6	Trichloroethylene	0.25 U	0.50	0.25	0.10	ug/l	
75-01-4	Vinyl Chloride ^b	0.10 U	0.10	0.10	0.050	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
17060-07-0	1,2-Dichloroethane-D4	114%		74-125%
2037-26-5	Toluene-D8	103%		88-111%

(a) Suspected laboratory contaminant. Associated CCV and BS recovery outside DOD QSM control limits high.

(b) Associated CCV outside of DOD QSM control limits high, sample is ND.

U = Not detected

LOD = Limit of Detection

J = Indicates an estimated value

LOQ = Limit of Quantitation

DL = Detection Limit

B = Indicates analyte found in associated method blank

E = Indicates value exceeds calibration range

N = Indicates presumptive evidence of a compound

SGS North America Inc.

Report of Analysis

Page 1 of 1

Client Sample ID:	2434X0BW017F	Date Sampled:	08/21/24
Lab Sample ID:	FC18341-10	Date Received:	08/27/24
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8260D BY SIM		
Project:	Fort Ord Groundwater Monitoring		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	N0132366.D	1	08/29/24 16:18	JW	n/a	n/a	VN6711
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA Special List

CAS No.	Compound	Result	LOQ	LOD	DL	Units	Q
56-23-5	Carbon Tetrachloride	0.25 U	0.50	0.25	0.10	ug/l	
67-66-3	Chloroform	0.25 U	0.50	0.25	0.10	ug/l	
75-35-4	1,1-Dichloroethylene	0.25 U	0.50	0.25	0.10	ug/l	
540-59-0	1,2-Dichloroethene (total)	0.25 U	0.50	0.25	0.10	ug/l	
75-09-2	Methylene Chloride ^a	1.3	2.0	0.50	0.50	ug/l	JB
127-18-4	Tetrachloroethylene	0.25 U	0.50	0.25	0.10	ug/l	
79-01-6	Trichloroethylene	0.25 U	0.50	0.25	0.10	ug/l	
75-01-4	Vinyl Chloride ^b	0.10 U	0.10	0.10	0.050	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
17060-07-0	1,2-Dichloroethane-D4	113%		74-125%
2037-26-5	Toluene-D8	103%		88-111%

(a) Suspected laboratory contaminant. Associated CCV and BS recovery outside DOD QSM control limits high.

(b) Associated CCV outside of DOD QSM control limits high, sample is ND.

U = Not detected

LOD = Limit of Detection

J = Indicates an estimated value

LOQ = Limit of Quantitation

DL = Detection Limit

B = Indicates analyte found in associated method blank

E = Indicates value exceeds calibration range

N = Indicates presumptive evidence of a compound

Misc. Forms

Custody Documents and Other Forms

Includes the following where applicable:

- Chain of Custody
- QC Evaluation: DOD QSM5.x Limits

Ahtna CAD53420

FC18341

Chain-of-Custody / Analytical Request Document
 Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed and accurate

Cooler No.: _____ of _____
 COC No: 240821-OUTCP A-1
 Task Desc: FFO2024Q3_Team1234

Lab Name: SGS North America Inc. - Orlando	Site ID #: FFORD	Sampler: 1741467	Filtered
Lab Address:	Project #: 21187.001.01.0000	Sampling Company: AHTNA	
Lab PM: Elvin Kumar	Site Address: FFO, Marina, CA 93933	Sampling Company Phone: 8312875250	Preserve HCL
Lab Phone/Fax: (407) 425-6700	Site PM Name: Derek Lieberman	Sampling Team Number: 1	
Lab PM Email:	Site PM Email: dlieberman@ahna.net	Reimbursable Project?	Analysis SW8260D
Applicable Lab Quote:	Turnaround Standard: Standard	Send EDD/Hard Copy To: labs@ahna.net, dlieberman@ahna.net	
Turnaround Time: 10 Business Days			

Items No.	Sample ID	Sample Location	Matrix	Depth	Grain Size	Sample Type	Sample Date Time	# of Containers	Comments Lab I.D.	Analysis
1	2434X0BW048F		WG	83 - 83 ft btoc	G	NS1	08/21/2024 08:46	3		X
2	2434X0BW014F		WG	81 - 81 ft btoc	G	NS1	08/21/2024 09:20	3	pH=2.87,	X
3	2434X0BW053F		WG	85 - 85 ft btoc	G	NS1	08/21/2024 10:35	3		X
4	2434X0BW056F		WG	88 - 88 ft btoc	G	NS1	08/21/2024 11:12	3		X
5	2434X0BW052F		WG	73 - 73 ft btoc	G	NS1	08/21/2024 11:40	3		X
6	2434X0BW036F		WG	86 - 86 ft btoc	G	NS1	08/21/2024 11:57	3		X

INITIAL ASSESSMENT
 LABEL VERIFICATION ZB

3.6 IR#1

Sample Reason:	RELINQUISHED BY / AFFILIATION	Date Time	ACCEPTED BY / AFFILIATION	Date Time	Sample Receipt Conditions			
Additional Comments/Special Instructions: <i>OUCTP - A</i>	<i>Blane Tech Services</i>	<i>16:52 8/21/24</i>	<i>SBS / Ahtna</i>	<i>8:21:24 1652</i>	<input type="checkbox"/> Yes	<input type="checkbox"/> Yes	<input type="checkbox"/> Yes	<input type="checkbox"/> Yes
	<i>SBS / Ahtna</i>	<i>8:22:24 0900</i>	<i>LeaBaz SGS</i>	<i>8/22/24 1700</i>	<input type="checkbox"/> No	<input type="checkbox"/> No	<input type="checkbox"/> No	<input type="checkbox"/> No
	<i>LeaBaz SGS</i>	<i>8/24/24 1500</i>	<i>FAFEX</i>	<i>8/26/24 1500</i>	<input type="checkbox"/> Yes	<input type="checkbox"/> Yes	<input type="checkbox"/> Yes	<input type="checkbox"/> Yes
			<i>L/C</i>	<i>08/27/24 900</i>	<input type="checkbox"/> No	<input type="checkbox"/> No	<input type="checkbox"/> No	<input type="checkbox"/> No
	SHIPPING METHOD: (mark as appropriate)		SAMPLER NAME AND SIGNATURE	Date Time	Temperature in °C	Sample on Ice?	Sample Intact?	Trip Blank?

5.1
5

SGS - Orlando Sample Receipt Summary

Job Number: fc18341

Client: AHTNA

Project: OUCTP-A FFO2024Q3

Date / Time Received: 8/27/2024 9:00:00 AM

Delivery Method: FEDEX

Airbill #'s: 778194819312

Cooler Temps (Raw Measured) °C: Cooler 1: (3.6);

Cooler Temps (Corrected) °C: Cooler 1: (3.4);

Cooler Informatio

Table with 3 columns: Y, or, N. Rows include Custody Seals Present, Custody Seals Intact, Temp criteria achieved, Cooler temp verification (IR Gun), and Cooler media (Ice (Bag)).

Trip Blank Information

Table with 4 columns: Y, or, N, N/A. Rows include Trip Blank present / cooler, Trip Blank listed on COC, and Type of TB Received (W, or, S, N/A).

Sample Information

Table with 4 columns: Y, or, N, N/A. Rows include Sample labels present on bottles, Samples presented properly, Sufficient volume/containers recv'd for analysi, Condition of sample (Intact), Sample recv'd within HT, Dates/Times/IDs on COC match sample labe, VOCs have headspace, Bottles received for unspecified tests, Compositing instructions clear, Voa Soil Kits/Jars received past 48hrs?, % Solids Jar Received?, and Residual Chlorine Present?

Misc Information

Table with 4 columns: Number of Encores (25 Gram, 5 Gram), Number of Lab Filtered Metals, Test Strip Lot #s (pH 0-3: 226422, pH 10-12: , Other: (Specify) pH 1.0 - 12.0: 222221), and Residual Chlorine Test Strip Lot.

Comments

Sample Receipt Summary 112723 EK Technician: ZANEB Date: 8/27/2024 12:08:21 PM Reviewer: ZB Date: 08/27/24

FC18341: Chain of Custody

Page 3 of 3

5.1 5



QC Evaluation: DOD QSM5.x Limits

Job Number: FC18341
Account: Ahtna Global, LLC
Project: Fort Ord Groundwater Monitoring
Collected: 08/21/24

QC Sample ID	CAS#	Analyte	Sample Type	Result Type	Result	Units	Limits
VN6711 SW846 8260D BY SIM							
VN6711-BS	56-23-5	Carbon Tetrachloride	BSP	REC	94	%	72-136
VN6711-BS	67-66-3	Chloroform	BSP	REC	104	%	79-124
VN6711-BS	75-35-4	1,1-Dichloroethylene	BSP	REC	98	%	71-131
VN6711-BS	540-59-0	1,2-Dichloroethene (total)	BSP	REC	110	%	79-121
VN6711-BS	75-09-2	Methylene Chloride	BSP	REC	186	%	74-124
VN6711-BS	127-18-4	Tetrachloroethylene	BSP	REC	116	%	74-129
VN6711-BS	79-01-6	Trichloroethylene	BSP	REC	104	%	79-123
VN6711-BS	75-01-4	Vinyl Chloride	BSP	REC	128	%	58-137
VN6711-BS	17060-07-0	1,2-Dichloroethane-D4	BSP	SURR	96	%	81-118
VN6711-BS	2037-26-5	Toluene-D8	BSP	SURR	105	%	89-112
FC18256-4MS*	56-23-5	Carbon Tetrachloride	MS	REC	93	%	72-136
FC18256-4MS*	67-66-3	Chloroform	MS	REC	113	%	79-124
FC18256-4MS*	75-35-4	1,1-Dichloroethylene	MS	REC	101	%	71-131
FC18256-4MS*	540-59-0	1,2-Dichloroethene (total)	MS	REC	110	%	79-121
FC18256-4MS*	75-09-2	Methylene Chloride	MS	REC	119	%	74-124
FC18256-4MS*	127-18-4	Tetrachloroethylene	MS	REC	79	%	74-129
FC18256-4MS*	79-01-6	Trichloroethylene	MS	REC	106	%	79-123
FC18256-4MS*	75-01-4	Vinyl Chloride	MS	REC	110	%	58-137
FC18256-4MS*	17060-07-0	1,2-Dichloroethane-D4	MS	SURR	107	%	81-118
FC18256-4MS*	2037-26-5	Toluene-D8	MS	SURR	102	%	89-112
FC18256-4MSD*	56-23-5	Carbon Tetrachloride	MSD	REC	87	%	72-136
FC18256-4MSD*	56-23-5	Carbon Tetrachloride	MSD	RPD	7	%	20
FC18256-4MSD*	67-66-3	Chloroform	MSD	REC	102	%	79-124
FC18256-4MSD*	67-66-3	Chloroform	MSD	RPD	10	%	20
FC18256-4MSD*	75-35-4	1,1-Dichloroethylene	MSD	REC	93	%	71-131
FC18256-4MSD*	75-35-4	1,1-Dichloroethylene	MSD	RPD	8	%	20
FC18256-4MSD*	540-59-0	1,2-Dichloroethene (total)	MSD	REC	103	%	79-121
FC18256-4MSD*	540-59-0	1,2-Dichloroethene (total)	MSD	RPD	6	%	20
FC18256-4MSD*	75-09-2	Methylene Chloride	MSD	REC	111	%	74-124
FC18256-4MSD*	75-09-2	Methylene Chloride	MSD	RPD	5	%	20
FC18256-4MSD*	127-18-4	Tetrachloroethylene	MSD	REC	38	%	74-129
FC18256-4MSD*	127-18-4	Tetrachloroethylene	MSD	RPD	19	%	20
FC18256-4MSD*	79-01-6	Trichloroethylene	MSD	REC	94	%	79-123
FC18256-4MSD*	79-01-6	Trichloroethylene	MSD	RPD	11	%	20
FC18256-4MSD*	75-01-4	Vinyl Chloride	MSD	REC	104	%	58-137
FC18256-4MSD*	75-01-4	Vinyl Chloride	MSD	RPD	5	%	20
FC18256-4MSD*	17060-07-0	1,2-Dichloroethane-D4	MSD	SURR	104	%	81-118
FC18256-4MSD*	2037-26-5	Toluene-D8	MSD	SURR	92	%	89-112
VN6711-MB	17060-07-0	1,2-Dichloroethane-D4	MB	SURR	106	%	81-118
VN6711-MB	2037-26-5	Toluene-D8	MB	SURR	106	%	89-112
FC18341-1	17060-07-0	1,2-Dichloroethane-D4	SAMP	SURR	112	%	81-118
FC18341-1	2037-26-5	Toluene-D8	SAMP	SURR	103	%	89-112

* Sample used for QC is not from job FC18341

5.2
5

QC Evaluation: DOD QSM5.x Limits

Job Number: FC18341
Account: Ahtna Global, LLC
Project: Fort Ord Groundwater Monitoring
Collected: 08/21/24

QC Sample ID	CAS#	Analyte	Sample Type	Result Type	Result	Units	Limits
FC18341-2	17060-07-0	1,2-Dichloroethane-D4	SAMP	SURR	114	%	81-118
FC18341-2	2037-26-5	Toluene-D8	SAMP	SURR	102	%	89-112
FC18341-3	17060-07-0	1,2-Dichloroethane-D4	SAMP	SURR	114	%	81-118
FC18341-3	2037-26-5	Toluene-D8	SAMP	SURR	102	%	89-112
FC18341-4	17060-07-0	1,2-Dichloroethane-D4	SAMP	SURR	112	%	81-118
FC18341-4	2037-26-5	Toluene-D8	SAMP	SURR	104	%	89-112
FC18341-5	17060-07-0	1,2-Dichloroethane-D4	SAMP	SURR	115	%	81-118
FC18341-5	2037-26-5	Toluene-D8	SAMP	SURR	103	%	89-112
FC18341-6	17060-07-0	1,2-Dichloroethane-D4	SAMP	SURR	113	%	81-118
FC18341-6	2037-26-5	Toluene-D8	SAMP	SURR	105	%	89-112
FC18341-7	17060-07-0	1,2-Dichloroethane-D4	SAMP	SURR	115	%	81-118
FC18341-7	2037-26-5	Toluene-D8	SAMP	SURR	104	%	89-112
FC18341-8	17060-07-0	1,2-Dichloroethane-D4	SAMP	SURR	115	%	81-118
FC18341-8	2037-26-5	Toluene-D8	SAMP	SURR	103	%	89-112
FC18341-9	17060-07-0	1,2-Dichloroethane-D4	SAMP	SURR	114	%	81-118
FC18341-9	2037-26-5	Toluene-D8	SAMP	SURR	103	%	89-112
FC18341-10	17060-07-0	1,2-Dichloroethane-D4	SAMP	SURR	113	%	81-118
FC18341-10	2037-26-5	Toluene-D8	SAMP	SURR	103	%	89-112

* Sample used for QC is not from job FC18341

MS Volatiles

QC Data Summaries

Includes the following where applicable:

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

Method Blank Summary

Job Number: FC18341
Account: AHTNACAS Ahtna Global, LLC
Project: Fort Ord Groundwater Monitoring

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VN6711-MB	N0132345.D	1	08/29/24	JW	n/a	n/a	VN6711

The QC reported here applies to the following samples:

Method: SW846 8260D BY SIM

FC18341-1, FC18341-2, FC18341-3, FC18341-4, FC18341-5, FC18341-6, FC18341-7, FC18341-8, FC18341-9, FC18341-10

CAS No.	Compound	Result	RL	MDL	Units	Q
56-23-5	Carbon Tetrachloride	ND	0.50	0.10	ug/l	
67-66-3	Chloroform	ND	0.50	0.10	ug/l	
75-35-4	1,1-Dichloroethylene	ND	0.50	0.10	ug/l	
540-59-0	1,2-Dichloroethene (total)	ND	0.50	0.10	ug/l	
75-09-2	Methylene Chloride ^a	1.8	2.0	0.50	ug/l	J
127-18-4	Tetrachloroethylene	ND	0.50	0.10	ug/l	
79-01-6	Trichloroethylene	ND	0.50	0.10	ug/l	
75-01-4	Vinyl Chloride	ND	0.10	0.050	ug/l	

CAS No.	Surrogate Recoveries	Limits	
17060-07-0	1,2-Dichloroethane-D4	106%	74-125%
2037-26-5	Toluene-D8	106%	88-111%

(a) Suspected laboratory contaminant.

Blank Spike Summary

Job Number: FC18341
Account: AHTNACAS Ahtna Global, LLC
Project: Fort Ord Groundwater Monitoring

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VN6711-BS	N0132343.D	1	08/29/24	JW	n/a	n/a	VN6711

The QC reported here applies to the following samples:

Method: SW846 8260D BY SIM

FC18341-1, FC18341-2, FC18341-3, FC18341-4, FC18341-5, FC18341-6, FC18341-7, FC18341-8, FC18341-9, FC18341-10

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
56-23-5	Carbon Tetrachloride	5	4.7	94	76-136
67-66-3	Chloroform	5	5.2	104	80-124
75-35-4	1,1-Dichloroethylene	5	4.9	98	78-137
540-59-0	1,2-Dichloroethene (total)	10	11.0	110	76-127
75-09-2	Methylene Chloride	5	9.3	186*	69-135
127-18-4	Tetrachloroethylene	5	5.8	116	76-135
79-01-6	Trichloroethylene	5	5.2	104	81-126
75-01-4	Vinyl Chloride	5	6.4	128	69-159

CAS No.	Surrogate Recoveries	BSP	Limits
17060-07-0	1,2-Dichloroethane-D4	96%	74-125%
2037-26-5	Toluene-D8	105%	88-111%

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: FC18341
Account: AHTNACAS Ahtna Global, LLC
Project: Fort Ord Groundwater Monitoring

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
FC18256-4MS	N0132367.D	5	08/29/24	JW	n/a	n/a	VN6711
FC18256-4MSD	N0132368.D	5	08/29/24	JW	n/a	n/a	VN6711
FC18256-4	N0132346.D	5	08/29/24	JW	n/a	n/a	VN6711

The QC reported here applies to the following samples:

Method: SW846 8260D BY SIM

FC18341-1, FC18341-2, FC18341-3, FC18341-4, FC18341-5, FC18341-6, FC18341-7, FC18341-8, FC18341-9, FC18341-10

CAS No.	Compound	FC18256-4 ug/l	Spike Q ug/l	MS ug/l	MS %	Spike ug/l	MSD ug/l	MSD %	RPD	Limits Rec/RPD
56-23-5	Carbon Tetrachloride	2.5 U	25	23.3	93	25	21.8	87	7	76-136/23
67-66-3	Chloroform	2.5 U	25	28.2	113	25	25.6	102	10	80-124/15
75-35-4	1,1-Dichloroethylene	2.5 U	25	25.2	101	25	23.3	93	8	78-137/18
540-59-0	1,2-Dichloroethene (total)	2.5 U	50	55.1	110	50	51.7	103	6	76-127/17
75-09-2	Methylene Chloride	12.5	25	42.3	119	25	40.2	111	5	69-135/16
127-18-4	Tetrachloroethylene	38.5	25	58.2	79	25	48.0	38*	19*	76-135/16
79-01-6	Trichloroethylene	1.1	J 25	27.6	106	25	24.6	94	11	81-126/15
75-01-4	Vinyl Chloride	0.50 U	25	27.4	110	25	26.1	104	5	69-159/18

CAS No.	Surrogate Recoveries	MS	MSD	FC18256-4	Limits
17060-07-0	1,2-Dichloroethane-D4	107%	104%	106%	74-125%
2037-26-5	Toluene-D8	102%	92%	105%	88-111%

* = Outside of Control Limits.

Instrument Performance Check (BFB)

Job Number: FC18341
Account: AHTNACAS Ahtna Global, LLC
Project: Fort Ord Groundwater Monitoring

Sample: VN6705-BFB	Injection Date: 08/20/24
Lab File ID: N0132197.D	Injection Time: 09:04
Instrument ID: GCMSN	

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance	Pass/Fail
95	Base peak, 100% relative abundance	28939	100.0	Pass
96	5.0 - 9.0% of mass 95	1718	5.94	Pass
173	Less than 2.0% of mass 174	120	0.41 (0.48) ^a	Pass
174	50.0 - 200.0% of mass 95	24867	85.9	Pass
175	5.0 - 9.0% of mass 174	1811	6.26 (7.28) ^a	Pass
176	95.0 - 105.0% of mass 174	24459	84.5 (98.4) ^a	Pass
177	5.0 - 10.0% of mass 176	1743	6.02 (7.13) ^b	Pass

(a) Value is % of mass 174

(b) Value is % of mass 176

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

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
VN6705-IC6705	N0132200.D	08/20/24	10:17	01:13	Initial cal 3
VN6705-IC6705	N0132201.D	08/20/24	10:41	01:37	Initial cal 4
VN6705-ICC6705	N0132202.D	08/20/24	11:04	02:00	Initial cal 5
VN6705-IC6705	N0132203.D	08/20/24	11:28	02:24	Initial cal 6
VN6705-IC6705	N0132204.D	08/20/24	11:51	02:47	Initial cal 7
VN6705-IC6705	N0132207.D	08/20/24	13:05	04:01	Initial cal 1
VN6705-IC6705	N0132208.D	08/20/24	13:28	04:24	Initial cal 2
VN6705-ICV6705	N0132209.D	08/20/24	13:52	04:48	Initial cal verification 5

Instrument Performance Check (BFB)

Job Number: FC18341
Account: AHTNACAS Ahtna Global, LLC
Project: Fort Ord Groundwater Monitoring

Sample: VN6711-BFB	Injection Date: 08/29/24
Lab File ID: N0132341.D	Injection Time: 06:22
Instrument ID: GCMSN	

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance	Pass/Fail
95	Base peak, 100% relative abundance	43235	100.0	Pass
96	5.0 - 9.0% of mass 95	2934	6.79	Pass
173	Less than 2.0% of mass 174	382	0.88 (1.03) ^a	Pass
174	50.0 - 200.0% of mass 95	37040	85.7	Pass
175	5.0 - 9.0% of mass 174	2566	5.94 (6.93) ^a	Pass
176	95.0 - 105.0% of mass 174	37861	87.6 (102.2) ^a	Pass
177	5.0 - 10.0% of mass 176	2513	5.81 (6.64) ^b	Pass

(a) Value is % of mass 174

(b) Value is % of mass 176

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

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
VN6711-CC6705	N0132342.D	08/29/24	06:49	00:27	Continuing cal 5
VN6711-BS	N0132343.D	08/29/24	07:14	00:52	Blank Spike
VN6711-MB	N0132345.D	08/29/24	08:03	01:41	Method Blank
FC18256-4	N0132346.D	08/29/24	08:34	02:12	(used for QC only; not part of job FC18341)
ZZZZZZ	N0132347.D	08/29/24	08:59	02:37	(unrelated sample)
ZZZZZZ	N0132348.D	08/29/24	09:24	03:02	(unrelated sample)
ZZZZZZ	N0132349.D	08/29/24	09:48	03:26	(unrelated sample)
ZZZZZZ	N0132350.D	08/29/24	10:13	03:51	(unrelated sample)
ZZZZZZ	N0132351.D	08/29/24	10:38	04:16	(unrelated sample)
ZZZZZZ	N0132352.D	08/29/24	11:02	04:40	(unrelated sample)
ZZZZZZ	N0132354.D	08/29/24	11:29	05:07	(unrelated sample)
ZZZZZZ	N0132355.D	08/29/24	11:54	05:32	(unrelated sample)
ZZZZZZ	N0132356.D	08/29/24	12:18	05:56	(unrelated sample)
FC18341-1	N0132357.D	08/29/24	12:43	06:21	2434X0BW048F
FC18341-2	N0132358.D	08/29/24	13:07	06:45	2434X0BW041F
FC18341-3	N0132359.D	08/29/24	13:31	07:09	2434X0BW053F
FC18341-4	N0132360.D	08/29/24	13:56	07:34	2434X0BW056F
FC18341-5	N0132361.D	08/29/24	14:20	07:58	2434X0BW052F
FC18341-6	N0132362.D	08/29/24	14:44	08:22	2434X0BW036F
FC18341-7	N0132363.D	08/29/24	15:07	08:45	2434X0BW049F
FC18341-8	N0132364.D	08/29/24	15:31	09:09	2434X0BW066D
FC18341-9	N0132365.D	08/29/24	15:54	09:32	2434X0BW050F
FC18341-10	N0132366.D	08/29/24	16:18	09:56	2434X0BW017F
FC18256-4MS	N0132367.D	08/29/24	16:41	10:19	Matrix Spike
FC18256-4MSD	N0132368.D	08/29/24	17:05	10:43	Matrix Spike Duplicate
VN6711-ECC6705	N0132369.D	08/29/24	17:28	11:06	Ending cal 5

Internal Standard Area Summary

Job Number: FC18341
Account: AHTNACAS Ahtna Global, LLC
Project: Fort Ord Groundwater Monitoring

Check Std: VN6711-CC6705	Injection Date: 08/29/24
Lab File ID: N0132342.D	Injection Time: 06:49
Instrument ID: GCMSN	Method: SW846 8260D BY SIM

	IS 1 AREA	RT	IS 2 AREA	RT
Initial Cal ^a	57601	6.34	36791	9.51
Check Std ^b	59336	6.34	39178	9.51
Upper Limit ^c	118672	6.51	78356	9.68
Lower Limit ^d	29668	6.17	19589	9.34

Lab Sample ID	IS 1 AREA	RT	IS 2 AREA	RT
VN6711-BS	57356	6.34	35866	9.51
VN6711-MB	46351	6.34	29760	9.51
FC18256-4	47021	6.34	30075	9.52
ZZZZZZ	45215	6.34	29204	9.52
ZZZZZZ	44652	6.34	28706	9.52
ZZZZZZ	44893	6.34	29002	9.51
ZZZZZZ	43841	6.34	28531	9.51
ZZZZZZ	43948	6.34	28423	9.51
ZZZZZZ	43507	6.34	28097	9.52
ZZZZZZ	42655	6.34	27247	9.51
ZZZZZZ	41918	6.34	26814	9.51
ZZZZZZ	42038	6.34	26989	9.52
FC18341-1	42783	6.34	27856	9.51
FC18341-2	41727	6.34	27433	9.51
FC18341-3	42257	6.34	27284	9.51
FC18341-4	43234	6.34	27133	9.52
FC18341-5	42443	6.34	26882	9.52
FC18341-6	43039	6.34	27210	9.52
FC18341-7	42911	6.34	27312	9.52
FC18341-8	42825	6.34	27362	9.52
FC18341-9	43742	6.34	28149	9.52
FC18341-10	44688	6.34	28699	9.52
FC18256-4MS	51589	6.34	33202	9.52
FC18256-4MSD	54534	6.34	40142	9.52
VN6711-ECC670560767		6.34	40877	9.51

IS 1 = Fluorobenzene
IS 2 = Chlorobenzene-D5

- (a) Initial Cal is: VN6705-ICC6705 N0132202.D 08/20/24 11:04
- (b) Check Std Limit = -50 to + 100% of initial cal area.
- (c) Upper Limit = + 100% of check standard area; Retention time + 0.167 minutes.
- (d) Lower Limit = -50% of check standard area; Retention time -0.167 minutes.

6.5.1
6

Surrogate Recovery Summary

Job Number: FC18341
Account: AHTNACAS Ahtna Global, LLC
Project: Fort Ord Groundwater Monitoring

Method: SW846 8260D BY SIM **Matrix:** AQ

Samples and QC shown here apply to the above method

Lab Sample ID	Lab File ID	S1	S2
FC18341-1	N0132357.D	112	103
FC18341-2	N0132358.D	114	102
FC18341-3	N0132359.D	114	102
FC18341-4	N0132360.D	112	104
FC18341-5	N0132361.D	115	103
FC18341-6	N0132362.D	113	105
FC18341-7	N0132363.D	115	104
FC18341-8	N0132364.D	115	103
FC18341-9	N0132365.D	114	103
FC18341-10	N0132366.D	113	103
FC18256-4MS	N0132367.D	107	102
FC18256-4MSD	N0132368.D	104	92
VN6711-BS	N0132343.D	96	105
VN6711-MB	N0132345.D	106	106

Surrogate Compounds	Recovery Limits
S1 = 1,2-Dichloroethane-D4	74-125%
S2 = Toluene-D8	88-111%

6.6.1
6

Initial Calibration Summary

Job Number: FC18341
Account: AHTNACAS Ahtna Global, LLC
Project: Fort Ord Groundwater Monitoring

Sample: VN6705-ICC6705
Lab FileID: N0132202.D

Response Factor Report MSVOA6-N

Method : C:\msdchem\1\met..._VN6705_082024.M (RTE Integrator)
 Title : Standard Methods 6200B
 Last Update : Tue Aug 20 14:01:28 2024
 Response via : Initial Calibration

Calibration Files

1 =N0132207.D 2 =N0132208.D 3 =N0132200.D 4 =N0132201.D
 5 =N0132202.D 6 =N0132203.D 7 =N0132204.D

Compound	1	2	3	4	5	6	7	Avg	%RSD
1) I Fluorobenzene	-----ISTD-----								
2) Vinyl Chloride	0.524	0.203	0.123	0.115	0.109	0.111	0.105	0.184	83.41
	---- Linear regr., Force(0,0) ---- Coefficient = 0.9993								
	Response Ratio = 0.00000 + 0.11062 *A								
3) Chloromethane	0.373	0.193	0.164	0.149	0.144	0.136	0.193	46.88	
	---- Linear regr., Force(0,0) ---- Coefficient = 0.9990								
	Response Ratio = 0.00000 + 0.14771 *A								
4) 1,1-Dichloroethen	0.184	0.146	0.144	0.137	0.136	0.135	0.147	12.46	
5) Methylene Chlorid		0.280	0.215	0.185	0.172	0.165	0.204	23.15	
	---- Quadratic regr., Force(0,0) ---- Coefficient = 0.9927								
	Response Ratio = 0.00000 + 0.23670 *A + -0.01952 *A^2								
6) trans-1,2-Dichlor	0.152	0.118	0.119	0.116	0.116	0.116	0.123	11.71	
7) 1,1-Dichloroethan	0.199	0.168	0.165	0.156	0.152	0.149	0.165	11.13	
8) cis-1,2-Dichloroe	0.092	0.069	0.069	0.066	0.067	0.068	0.072	13.85	
9) Chloroform	0.311	0.197	0.172	0.154	0.149	0.145	0.188	33.73	
	---- Quadratic regr., Force(0,0) ---- Coefficient = 0.9968								
	Response Ratio = 0.00000 + 0.18931 *A + -0.01236 *A^2								
10) Carbon Tetrachlor	0.093	0.071	0.074	0.070	0.070	0.071	0.075	12.09	
11) 1,1,1-Trichloroet	0.133	0.104	0.104	0.099	0.100	0.099	0.106	12.29	
12) Benzene	0.338	0.258	0.259	0.249	0.249	0.250	0.267	13.14	
13)S 1,2-Dichloroethan	0.436	0.438	0.464	0.438	0.419	0.414	0.401	4.75	
14) 1,2-Dichloroethan	0.143	0.130	0.129	0.122	0.118	0.115	0.126	8.10	
15) Trichloroethene	0.097	0.070	0.071	0.070	0.071	0.071	0.075	13.97	
16) 1,2-Dichloropropa	0.104	0.083	0.083	0.080	0.078	0.078	0.084	11.71	
17) cis-1,3-Dichlorop	0.069	0.056	0.064	0.067	0.071	0.074	0.067	9.18	
18) I Chlorobenzene-d5	-----ISTD-----								
19)S Toluene-d8	1.165	1.153	1.086	1.012	1.108	1.106	1.095	1.104	4.51
20) trans-1,3-Dichlor	0.068	0.070	0.087	0.105	0.111	0.116	0.093	22.28	
	---- Quadratic regr., Force(0,0) ---- Coefficient = 0.9983								
	Response Ratio = 0.00000 + 0.07956 *A + 0.00965 *A^2								
21) Tetrachloroethene	0.141	0.110	0.106	0.109	0.106	0.104	0.113	12.56	
22) 1,4-Dichlorobenze	0.326	0.233	0.231	0.254	0.248	0.241	0.256	13.89	
23) 1,2-Dibromo-3-Chl	0.039	0.022	0.018	0.021	0.021	0.021	0.024	31.24	
	---- Linear regr., Force(0,0) ---- Coefficient = 0.9956								
	Response Ratio = 0.00000 + 0.02093 *A								

(#) = Out of Range

Initial Calibration Verification

Job Number: FC18341
 Account: AHTNACAS Ahtna Global, LLC
 Project: Fort Ord Groundwater Monitoring

Sample: VN6705-ICV6705
 Lab FileID: N0132209.D

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\data\08-20-24\N0132209.D Vial: 13
 Acq On : 20 Aug 2024 1:52 pm Operator: jeniferw
 Sample : ICV6705-5 Inst : MSVOA6-N
 Misc : MS57318,VN6705,,,,, Multiplr: 1.00
 MS Integration Params: rteint.p

Method : C:\msdchem\1\met..._VN6705_082024.M (RTE Integrator)
 Title : Standard Methods 6200B
 Last Update : Tue Aug 20 14:01:28 2024
 Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1 I	Fluorobenzene	1.000	1.000	0.0	106	0.00	6.34
	----- Amount	Calc.	%Drift	-----			
2	Vinyl Chloride	10.000	8.338	16.6	89	0.00	2.06
3	Chloromethane	10.000	8.095	19.0	85	0.00	1.98
	----- AvgRF	CCRF	%Dev	-----			
4	1,1-Dichloroethene	0.147	0.153	-4.1	117	0.00	3.15
	----- Amount	Calc.	%Drift	-----			
5	Methylene Chloride	10.000	10.751	-7.5	120	0.00	3.71
	----- AvgRF	CCRF	%Dev	-----			
6	trans-1,2-Dichloroethene	0.123	0.132	-7.3	121	0.00	3.88
7	1,1-Dichloroethane	0.165	0.173	-4.8	118	0.00	4.49
8	cis-1,2-Dichloroethene	0.072	0.076	-5.6	120	0.00	5.04
	----- Amount	Calc.	%Drift	-----			
9	Chloroform	10.000	10.626	-6.3	119	0.00	5.30
	----- AvgRF	CCRF	%Dev	-----			
10	Carbon Tetrachloride	0.075	0.080	-6.7	121	0.00	5.47
11	1,1,1-Trichloroethane	0.106	0.116	-9.4	124	0.00	5.53
12	Benzene	0.267	0.286	-7.1	121	0.00	5.91
13 S	1,2-Dichloroethane-d4	0.430	0.408	5.1	103	0.00	6.04
14	1,2-Dichloroethane	0.126	0.139	-10.3	120	0.00	6.12
15	Trichloroethene	0.075	0.082	-9.3	124	0.00	6.53
16	1,2-Dichloropropane	0.084	0.091	-8.3	121	0.00	7.05
17	cis-1,3-Dichloropropene	0.067	0.076	-13.4	120	0.00	7.77
18 I	Chlorobenzene-d5	1.000	1.000	0.0	105	0.00	9.52
19 S	Toluene-d8	1.104	1.144	-3.6	108	0.00	7.95
	----- Amount	Calc.	%Drift	-----			
20	trans-1,3-Dichloropropene	10.000	10.987	-9.9	110	0.00	8.42
	----- AvgRF	CCRF	%Dev	-----			
21	Tetrachloroethene	0.113	0.131	-15.9	126	0.00	8.41
22	1,4-Dichlorobenzene	0.256	0.290	-13.3	119	0.00	11.91
	----- Amount	Calc.	%Drift	-----			
23	1,2-Dibromo-3-Chloropropa	10.000	10.883	-8.8	111	0.00	13.18

Continuing Calibration Summary

Job Number: FC18341
 Account: AHTNACAS Ahtna Global, LLC
 Project: Fort Ord Groundwater Monitoring

Sample: VN6711-CC6705
 Lab FileID: N0132342.D

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\data\08-29-24\N0132342.D Vial: 2
 Acq On : 29 Aug 2024 6:49 am Operator: jeniferw
 Sample : CC6705-5 Inst : MSVOA6-N
 Misc : MS57378,VN6711,,,,, Multiplr: 1.00
 MS Integration Params: rteint.p

Method : C:\msdchem\1\met..._VN6705_082024.M (RTE Integrator)
 Title : Standard Methods 6200B
 Last Update : Tue Aug 20 14:01:28 2024
 Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1 I	Fluorobenzene	1.000	1.000	0.0	103	0.00	6.34
	----- Amount	Calc.	%Drift	-----			
2	Vinyl Chloride	10.000	14.614	-46.1#	153	0.00	2.06
3	Chloromethane	10.000	11.888	-18.9	121	0.00	1.98
	----- AvgRF	CCRF	%Dev	-----			
4	1,1-Dichloroethene	0.147	0.133	9.5	100	0.00	3.15
	----- Amount	Calc.	%Drift	-----			
5	Methylene Chloride	10.000	14.706	-47.1#	147	0.00	3.71
	----- AvgRF	CCRF	%Dev	-----			
6	trans-1,2-Dichloroethene	0.123	0.121	1.6	108	0.00	3.88
7	1,1-Dichloroethane	0.165	0.165	0.0	109	0.00	4.48
8	cis-1,2-Dichloroethene	0.072	0.074	-2.8	114	0.00	5.04
	----- Amount	Calc.	%Drift	-----			
9	Chloroform	10.000	10.048	-0.5	110	0.00	5.30
	----- AvgRF	CCRF	%Dev	-----			
10	Carbon Tetrachloride	0.075	0.063	16.0	93	0.00	5.47
11	1,1,1-Trichloroethane	0.106	0.100	5.7	103	0.00	5.52
12	Benzene	0.267	0.266	0.4	110	0.00	5.91
13 S	1,2-Dichloroethane-d4	0.430	0.410	4.7	101	0.00	6.04
14	1,2-Dichloroethane	0.126	0.124	1.6	105	0.00	6.11
15	Trichloroethene	0.075	0.074	1.3	109	0.00	6.53
16	1,2-Dichloropropane	0.084	0.084	0.0	109	0.00	7.05
17	cis-1,3-Dichloropropene	0.067	0.071	-6.0	109	-0.01	7.76
18 I	Chlorobenzene-d5	1.000	1.000	0.0	106	0.00	9.51
19 S	Toluene-d8	1.104	1.119	-1.4	108	0.00	7.95
	----- Amount	Calc.	%Drift	-----			
20	trans-1,3-Dichloropropene	10.000	10.678	-6.8	108	0.00	8.42
	----- AvgRF	CCRF	%Dev	-----			
21	Tetrachloroethene	0.113	0.114	-0.9	111	0.00	8.41
22	1,4-Dichlorobenzene	0.256	0.270	-5.5	113	0.00	11.90
	----- Amount	Calc.	%Drift	-----			
23	1,2-Dibromo-3-Chloropropa	10.000	9.188	8.1	95	0.00	13.17

Continuing Calibration Summary

Job Number: FC18341
 Account: AHTNACAS Ahtna Global, LLC
 Project: Fort Ord Groundwater Monitoring

Sample: VN6711-ECC6705
 Lab FileID: N0132369.D

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\data\08-29-24\N0132369.D Vial: 28
 Acq On : 29 Aug 2024 5:28 pm Operator: jeniferw
 Sample : ECC6705-5 Inst : MSVOA6-N
 Misc : MS57382,VN6711,,,,, Multiplr: 1.00
 MS Integration Params: rteint.p

Method : C:\msdchem\1\met..._VN6705_082024.M (RTE Integrator)
 Title : Standard Methods 6200B
 Last Update : Tue Aug 20 14:01:28 2024
 Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 50% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1 I	Fluorobenzene	1.000	1.000	0.0	105	0.00	6.34
	----- Amount	Calc.	%Drift	-----			
2	Vinyl Chloride	10.000	10.923	-9.2	117	0.00	2.06
3	Chloromethane	10.000	10.679	-6.8	111	0.00	1.98
	----- AvgRF	CCRF	%Dev	-----			
4	1,1-Dichloroethene	0.147	0.127	13.6	98	0.00	3.15
	----- Amount	Calc.	%Drift	-----			
5	Methylene Chloride	10.000	13.391	-33.9	141	0.00	3.71
	----- AvgRF	CCRF	%Dev	-----			
6	trans-1,2-Dichloroethene	0.123	0.115	6.5	105	0.00	3.88
7	1,1-Dichloroethane	0.165	0.159	3.6	108	0.00	4.49
8	cis-1,2-Dichloroethene	0.072	0.069	4.2	110	0.00	5.04
	----- Amount	Calc.	%Drift	-----			
9	Chloroform	10.000	9.579	4.2	109	0.00	5.30
	----- AvgRF	CCRF	%Dev	-----			
10	Carbon Tetrachloride	0.075	0.062	17.3	93	0.00	5.47
11	1,1,1-Trichloroethane	0.106	0.097	8.5	102	0.00	5.53
12	Benzene	0.267	0.259	3.0	109	0.00	5.91
13 S	1,2-Dichloroethane-d4	0.430	0.435	-1.2	110	0.00	6.04
14	1,2-Dichloroethane	0.126	0.128	-1.6	110	0.00	6.12
15	Trichloroethene	0.075	0.071	5.3	107	0.00	6.53
16	1,2-Dichloropropane	0.084	0.081	3.6	107	0.00	7.05
17	cis-1,3-Dichloropropene	0.067	0.066	1.5	104	0.00	7.77
18 I	Chlorobenzene-d5	1.000	1.000	0.0	111	0.00	9.51
19 S	Toluene-d8	1.104	1.093	1.0	110	0.00	7.95
	----- Amount	Calc.	%Drift	-----			
20	trans-1,3-Dichloropropene	10.000	9.991	0.1	104	0.00	8.42
	----- AvgRF	CCRF	%Dev	-----			
21	Tetrachloroethene	0.113	0.108	4.4	110	0.00	8.41
22	1,4-Dichlorobenzene	0.256	0.246	3.9	108	0.00	11.91
	----- Amount	Calc.	%Drift	-----			
23	1,2-Dibromo-3-Chloropropa	10.000	6.913	30.9	75	0.00	13.18

Run Sequence Report

Job Number: FC18341
Account: AHTNACAS Ahtna Global, LLC
Project: Fort Ord Groundwater Monitoring

Run ID: VN6705	Method: SW846 8260D BY SIM	Instrument ID: GCMSN
-----------------------	-----------------------------------	-----------------------------

Lab Sample ID	Lab File ID	Date/Time Analyzed	Prep QC Batch	Client Sample ID
VN6705-BFB	N0132197.D	08/20/24 09:04	n/a	BFB Tune
VN6705-IC6705	N0132200.D	08/20/24 10:17	n/a	Initial cal 3
VN6705-IC6705	N0132201.D	08/20/24 10:41	n/a	Initial cal 4
VN6705-ICC6705	N0132202.D	08/20/24 11:04	n/a	Initial cal 5
VN6705-IC6705	N0132203.D	08/20/24 11:28	n/a	Initial cal 6
VN6705-IC6705	N0132204.D	08/20/24 11:51	n/a	Initial cal 7
VN6705-IC6705	N0132207.D	08/20/24 13:05	n/a	Initial cal 1
VN6705-IC6705	N0132208.D	08/20/24 13:28	n/a	Initial cal 2
VN6705-ICV6705	N0132209.D	08/20/24 13:52	n/a	Initial cal verification 5

Run Sequence Report

Job Number: FC18341
Account: AHTNACAS Ahtna Global, LLC
Project: Fort Ord Groundwater Monitoring

Run ID: VN6711 **Method:** SW846 8260D BY SIM **Instrument ID:** GCMSN

Lab Sample ID	Lab File ID	Date/Time Analyzed	Prep QC Batch	Client Sample ID
VN6711-BFB	N0132341.D	08/29/24 06:22	n/a	BFB Tune
VN6711-CC6705	N0132342.D	08/29/24 06:49	n/a	Continuing cal 5
VN6711-BS	N0132343.D	08/29/24 07:14	n/a	Blank Spike
VN6711-MB	N0132345.D	08/29/24 08:03	n/a	Method Blank
FC18256-4	N0132346.D	08/29/24 08:34	n/a	(used for QC only; not part of job FC18341)
ZZZZZZ	N0132347.D	08/29/24 08:59	n/a	(unrelated sample)
ZZZZZZ	N0132348.D	08/29/24 09:24	n/a	(unrelated sample)
ZZZZZZ	N0132349.D	08/29/24 09:48	n/a	(unrelated sample)
ZZZZZZ	N0132350.D	08/29/24 10:13	n/a	(unrelated sample)
ZZZZZZ	N0132351.D	08/29/24 10:38	n/a	(unrelated sample)
ZZZZZZ	N0132352.D	08/29/24 11:02	n/a	(unrelated sample)
ZZZZZZ	N0132354.D	08/29/24 11:29	n/a	(unrelated sample)
ZZZZZZ	N0132355.D	08/29/24 11:54	n/a	(unrelated sample)
ZZZZZZ	N0132356.D	08/29/24 12:18	n/a	(unrelated sample)
FC18341-1	N0132357.D	08/29/24 12:43	n/a	2434X0BW048F
FC18341-2	N0132358.D	08/29/24 13:07	n/a	2434X0BW041F
FC18341-3	N0132359.D	08/29/24 13:31	n/a	2434X0BW053F
FC18341-4	N0132360.D	08/29/24 13:56	n/a	2434X0BW056F
FC18341-5	N0132361.D	08/29/24 14:20	n/a	2434X0BW052F
FC18341-6	N0132362.D	08/29/24 14:44	n/a	2434X0BW036F
FC18341-7	N0132363.D	08/29/24 15:07	n/a	2434X0BW049F
FC18341-8	N0132364.D	08/29/24 15:31	n/a	2434X0BW066D
FC18341-9	N0132365.D	08/29/24 15:54	n/a	2434X0BW050F
FC18341-10	N0132366.D	08/29/24 16:18	n/a	2434X0BW017F
FC18256-4MS	N0132367.D	08/29/24 16:41	n/a	Matrix Spike
FC18256-4MSD	N0132368.D	08/29/24 17:05	n/a	Matrix Spike Duplicate
VN6711-ECC6705	N0132369.D	08/29/24 17:28	n/a	Ending cal 5

MS Volatiles

Raw Data

7

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\08-29-24\
 Data File : N0132357.D
 Acq On : 29 Aug 2024 12:43 pm
 Operator : jeniferw
 Sample : FC18341-1
 Misc : MS57382,VN6711,,,,,
 ALS Vial : 16 Sample Multiplier: 1

Quant Time: Aug 29 13:08:22 2024
 Quant Method : C:\msdchem\1\methods\SIMCL_VN6705_082024.M
 Quant Title : Standard Methods 6200B
 QLast Update : Tue Aug 20 14:01:28 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	Qvalue

Internal Standards							
1) Fluorobenzene	6.341	96	42783	5.00	ug/L	0.00	
18) Chlorobenzene-d5	9.514	117	27856	5.00	ug/L	0.00	
System Monitoring Compounds							
13) 1,2-Dichloroethane-d4	6.041	65	20634	5.61	ug/L	0.00	
Spiked Amount	5.000	Range 74 - 125	Recovery	=	112.20%		
19) Toluene-d8	7.945	98	31730	5.16	ug/L	0.00	
Spiked Amount	5.000	Range 88 - 111	Recovery	=	103.20%		
Target Compounds							
3) Chloromethane	1.977	50	524	0.41	ug/L	99	
5) Methylene Chloride	3.712	49	2970	1.50	ug/L	95	
9) Chloroform	5.303	83	284m	0.18	ug/L		
10) Carbon Tetrachloride	5.459	117	288	0.45	ug/L	99	

(#) = qualifier out of range (m) = manual integration (+) = signals summed

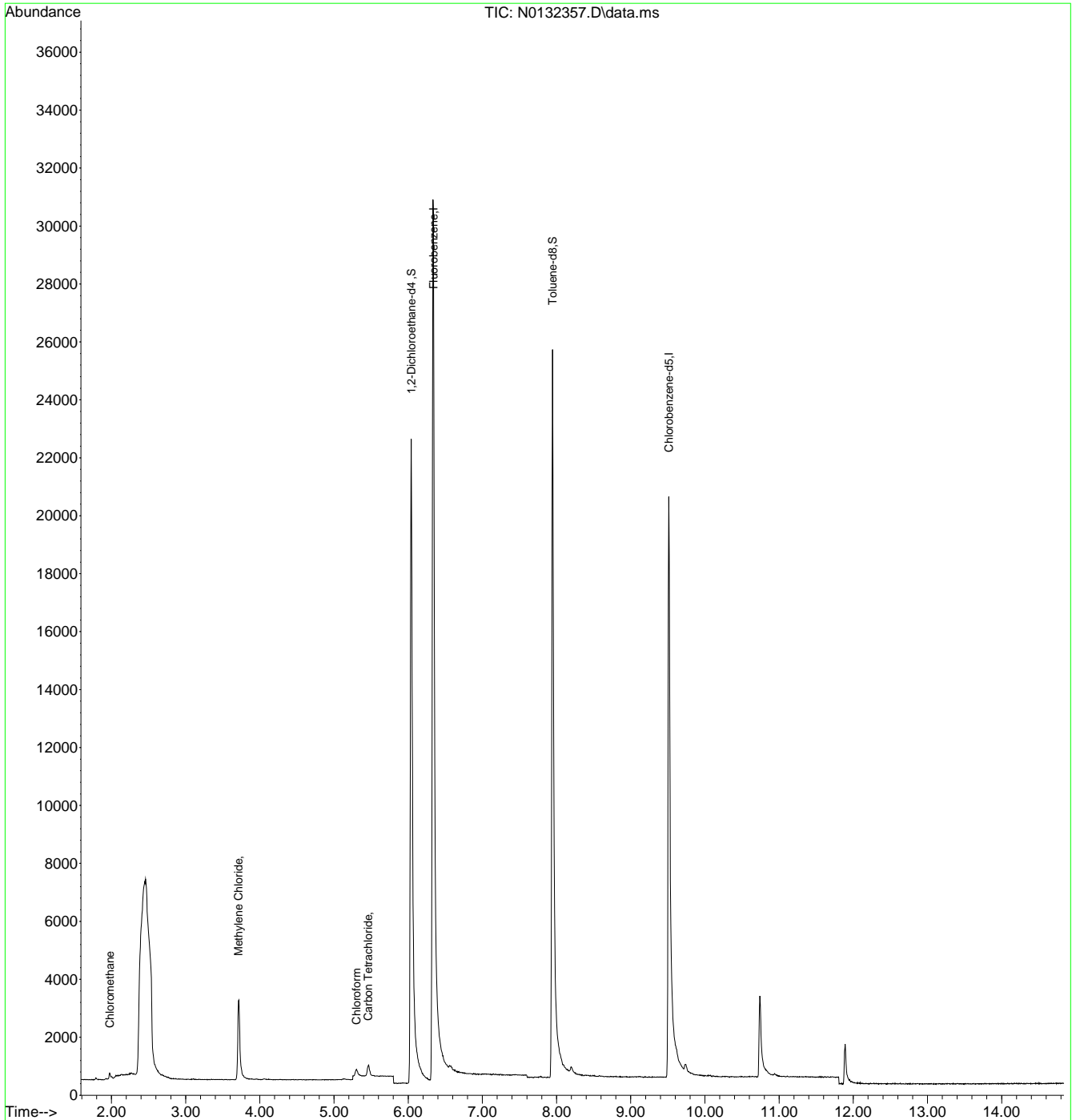
7.1.1
7



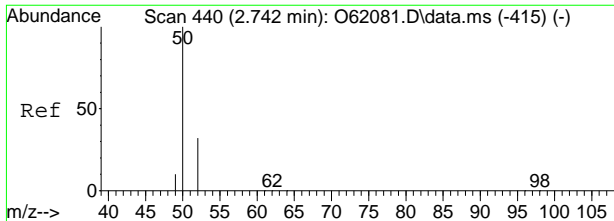
Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\08-29-24\
 Data File : N0132357.D
 Acq On : 29 Aug 2024 12:43 pm
 Operator : jeniferw
 Sample : FC18341-1
 Misc : MS57382,VN6711,,,,,
 ALS Vial : 16 Sample Multiplier: 1

Quant Time: Aug 29 13:08:22 2024
 Quant Method : C:\msdchem\1\methods\SIMCL_VN6705_082024.M
 Quant Title : Standard Methods 6200B
 QLast Update : Tue Aug 20 14:01:28 2024
 Response via : Initial Calibration

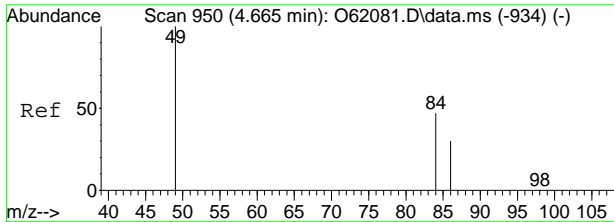
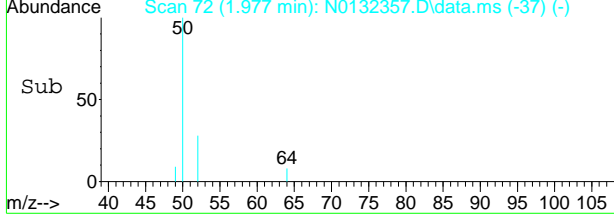
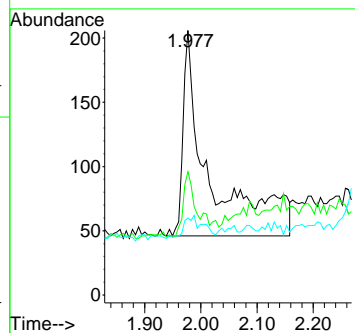
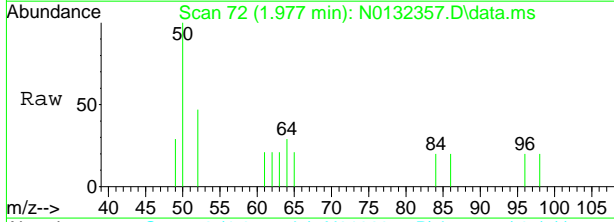


7.1.1
7



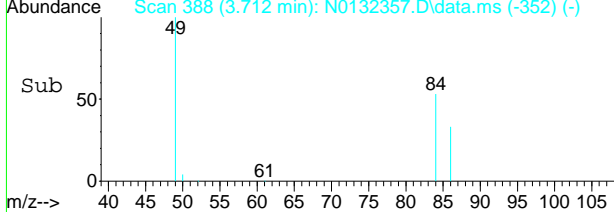
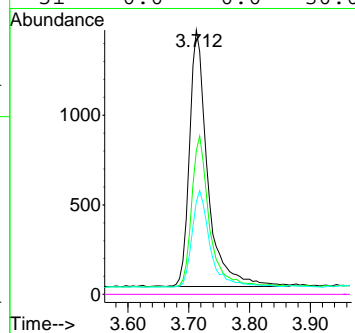
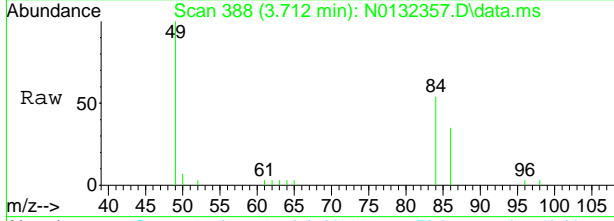
#3
 Chloromethane
 Concen: 0.41 ug/L
 RT: 1.977 min Scan# 72
 Delta R.T. -0.005 min
 Lab File: N0132357.D
 Acq: 29 Aug 2024 12:43 pm

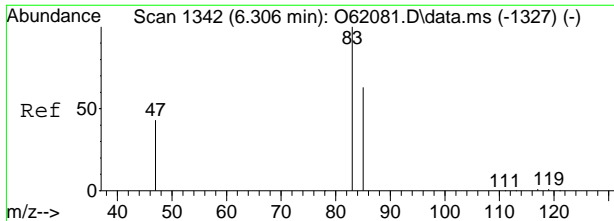
Tgt Ion	Ratio	Lower	Upper
50	100		
52	31.9	2.1	62.1
49	10.0	0.0	39.6



#5
 Methylene Chloride
 Concen: 1.50 ug/L
 RT: 3.712 min Scan# 388
 Delta R.T. 0.000 min
 Lab File: N0132357.D
 Acq: 29 Aug 2024 12:43 pm

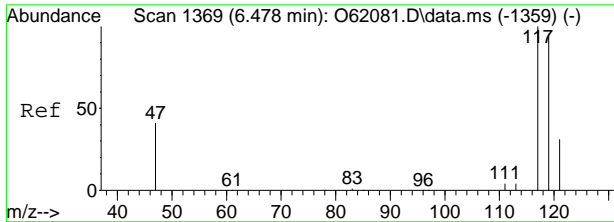
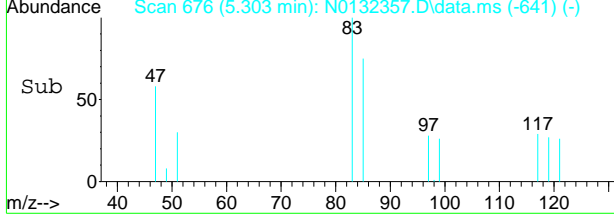
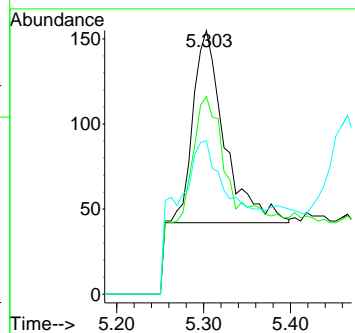
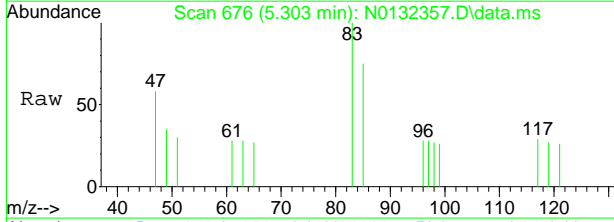
Tgt Ion	Ratio	Lower	Upper
49	100		
84	53.1	20.0	80.0
86	33.1	0.4	60.4
51	0.0	0.0	30.0





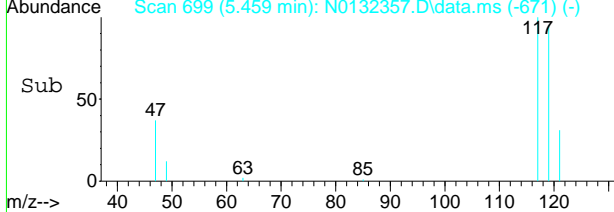
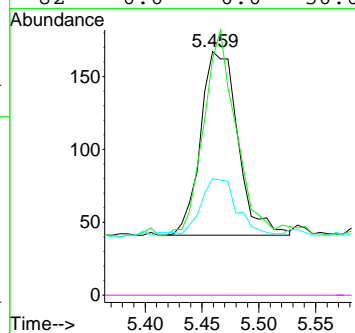
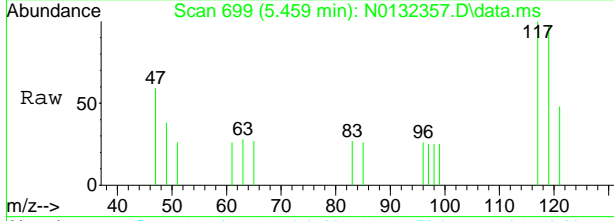
#9
 Chloroform
 Concen: 0.18 ug/L m
 RT: 5.303 min Scan# 676
 Delta R.T. 0.000 min
 Lab File: N0132357.D
 Acq: 29 Aug 2024 12:43 pm

Tgt Ion	Resp	Lower	Upper
83	284		
85	74.8	36.3	96.3
47	58.1	2.6	62.6



#10
 Carbon Tetrachloride
 Concen: 0.45 ug/L
 RT: 5.459 min Scan# 699
 Delta R.T. -0.007 min
 Lab File: N0132357.D
 Acq: 29 Aug 2024 12:43 pm

Tgt Ion	Resp	Lower	Upper
117	288		
117	100		
119	96.0	67.0	127.0
121	29.4	0.5	60.5
82	0.0	0.0	30.0



7.1.1
 7



Manual Integration Approval Summary

Sample Number: FC18341-1 **Method:** SW846 8260D BY SIM
Lab FileID: N0132357.D **Analyst approved:** 08/30/24 12:06 Jenifer Willis
Injection Time: 08/29/24 12:43 **Supervisor approved:** 08/30/24 13:18 Karen Watson

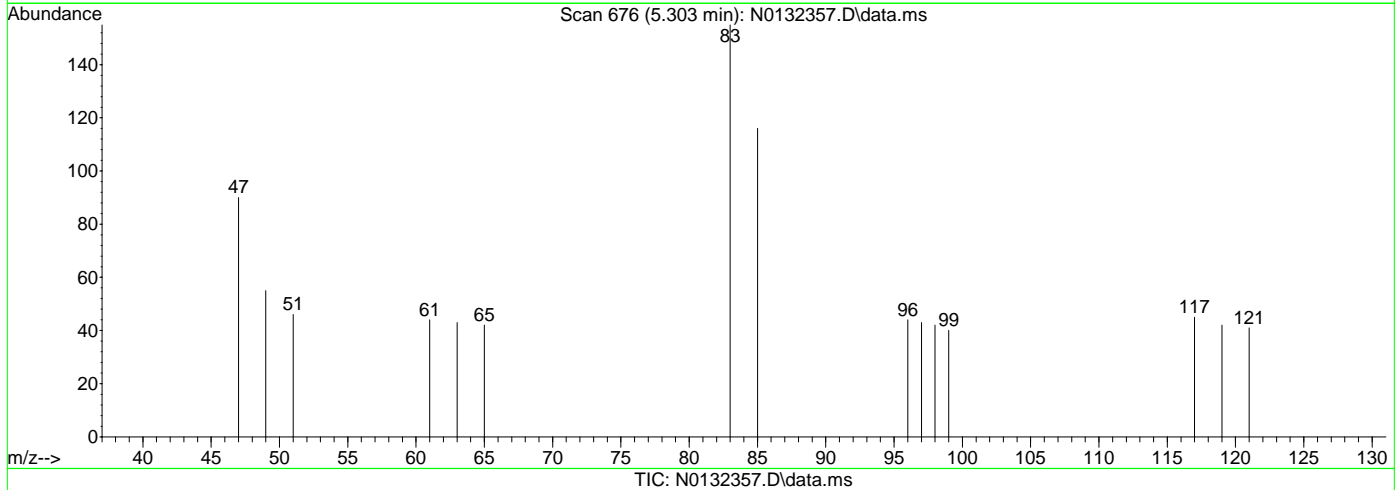
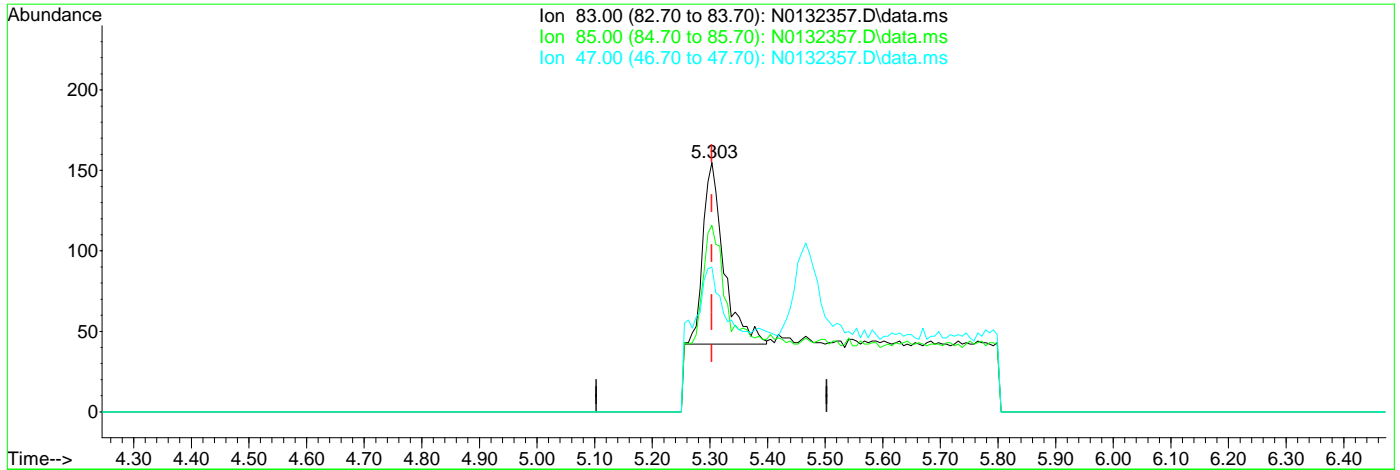
Parameter	CAS	Sig#	R.T. (min.)	Reason
Chloroform	67-66-3		5.30	Poorly defined baseline

7.1.1.1
7

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\08-29-24\
 Data File : N0132357.D
 Acq On : 29 Aug 2024 12:43 pm
 Operator : jeniferw
 Sample : FC18341-1
 Misc : MS57382,VN6711,,,,,
 ALS Vial : 16 Sample Multiplier: 1

Quant Time: Aug 29 13:08:00 2024
 Quant Method : C:\msdchem\1\methods\SIMCL_VN6705_082024.M
 Quant Title : Standard Methods 6200B
 QLast Update : Tue Aug 20 14:01:28 2024
 Response via : Initial Calibration



(9) Chloroform

5.303min (+0.000) 0.18ug/L m

response 284

Ion	Exp%	Act%
83.00	100	100
85.00	66.30	74.84
47.00	32.60	58.06
0.00	0.00	0.00



7.1.1.2
7

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\08-29-24\
 Data File : N0132358.D
 Acq On : 29 Aug 2024 1:07 pm
 Operator : jeniferw
 Sample : FC18341-2
 Misc : MS57382,VN6711,,,,,
 ALS Vial : 17 Sample Multiplier: 1

Quant Time: Aug 29 13:39:54 2024
 Quant Method : C:\msdchem\1\methods\SIMCL_VN6705_082024.M
 Quant Title : Standard Methods 6200B
 QLast Update : Tue Aug 20 14:01:28 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	Qvalue

Internal Standards							
1) Fluorobenzene	6.341	96	41727	5.00	ug/L	0.00	
18) Chlorobenzene-d5	9.514	117	27433	5.00	ug/L	0.00	
System Monitoring Compounds							
13) 1,2-Dichloroethane-d4	6.041	65	20476	5.70	ug/L	0.00	
Spiked Amount	5.000	Range 74 - 125	Recovery	=	114.00%		
19) Toluene-d8	7.945	98	30909	5.11	ug/L	0.00	
Spiked Amount	5.000	Range 88 - 111	Recovery	=	102.20%		
Target Compounds							
3) Chloromethane	1.977	50	430	0.35	ug/L	92	
5) Methylene Chloride	3.712	49	2969	1.54	ug/L	95	
9) Chloroform	5.303	83	306m	0.19	ug/L		
10) Carbon Tetrachloride	5.466	117	437	0.70	ug/L	98	

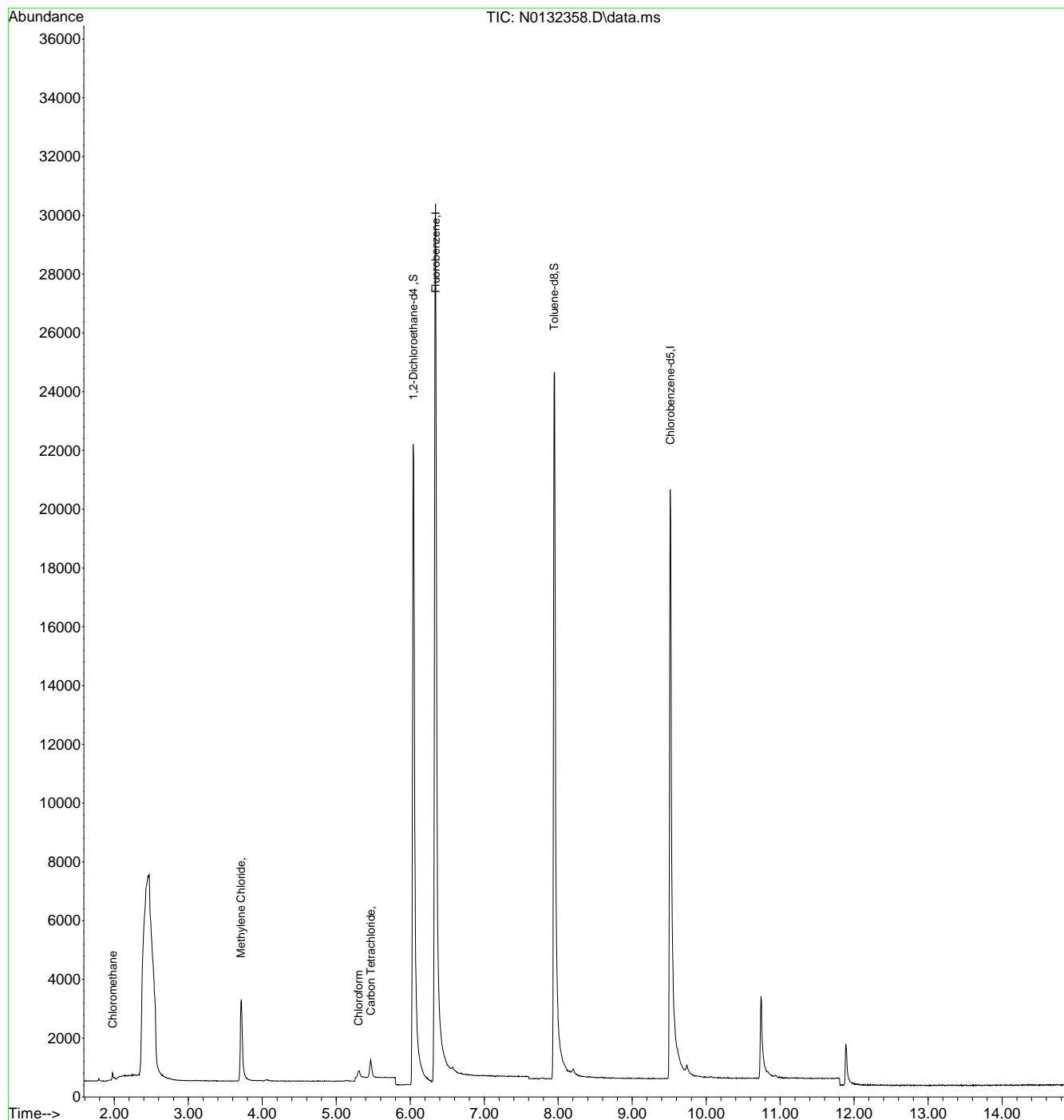
(#) = qualifier out of range (m) = manual integration (+) = signals summed

7.12
7

Quantitation Report (QT Reviewed)

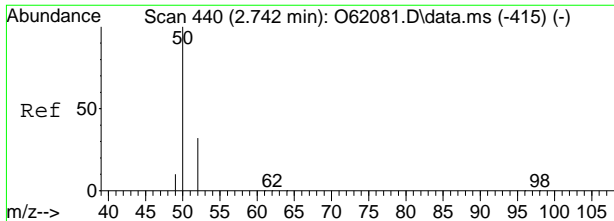
Data Path : C:\msdchem\1\data\08-29-24\
Data File : N0132358.D
Acq On : 29 Aug 2024 1:07 pm
Operator : jeniferw
Sample : FC18341-2
Misc : MS57382,VN6711,,,,,
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Aug 29 13:39:54 2024
Quant Method : C:\msdchem\1\methods\SIMCL_VN6705_082024.M
Quant Title : Standard Methods 6200B
QLast Update : Tue Aug 20 14:01:28 2024
Response via : Initial Calibration



7.1.2
7

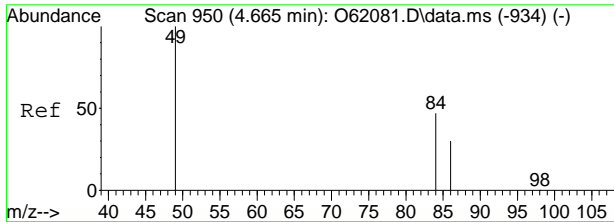
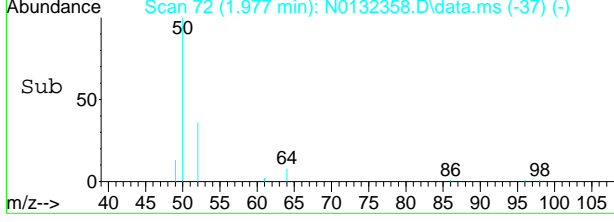
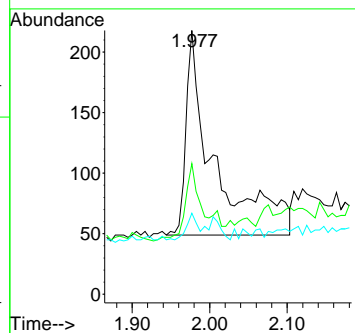
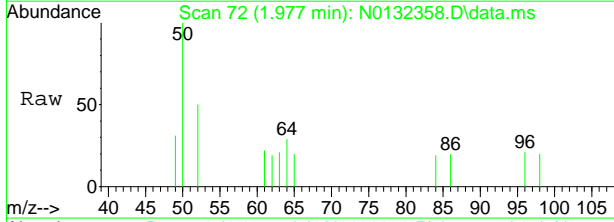




#3
 Chloromethane
 Concen: 0.35 ug/L
 RT: 1.977 min Scan# 72
 Delta R.T. -0.005 min
 Lab File: N0132358.D
 Acq: 29 Aug 2024 1:07 pm

Tgt Ion: 50 Resp: 430

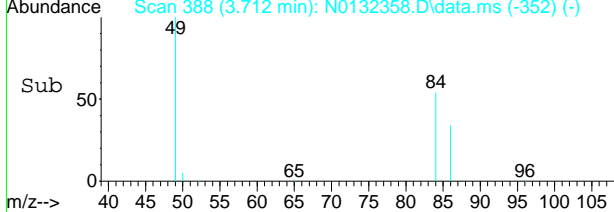
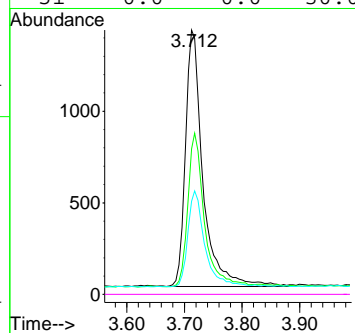
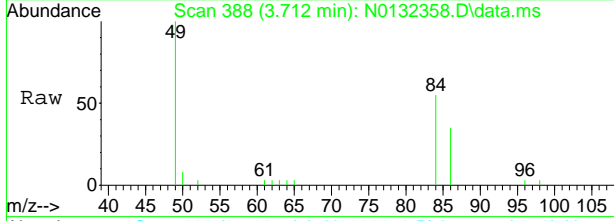
Ion	Ratio	Lower	Upper
50	100		
52	36.1	2.1	62.1
49	13.0	0.0	39.6

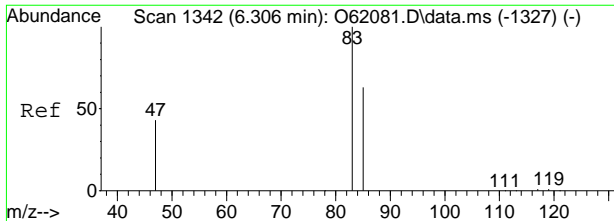


#5
 Methylene Chloride
 Concen: 1.54 ug/L
 RT: 3.712 min Scan# 388
 Delta R.T. 0.000 min
 Lab File: N0132358.D
 Acq: 29 Aug 2024 1:07 pm

Tgt Ion: 49 Resp: 2969

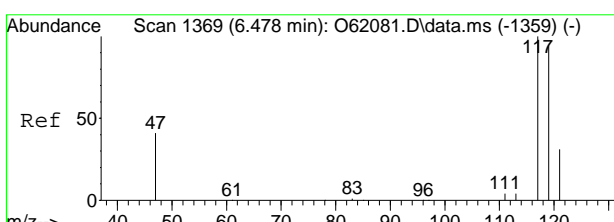
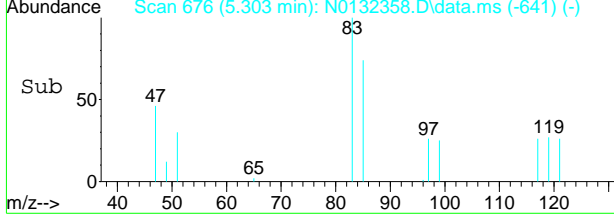
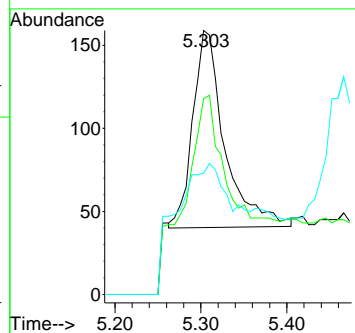
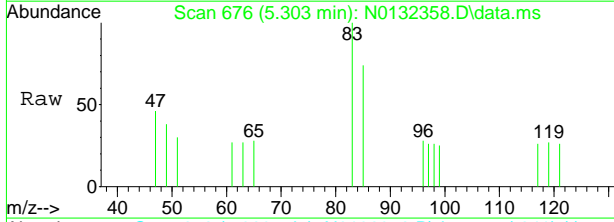
Ion	Ratio	Lower	Upper
49	100		
84	53.7	20.0	80.0
86	33.3	0.4	60.4
51	0.0	0.0	30.0





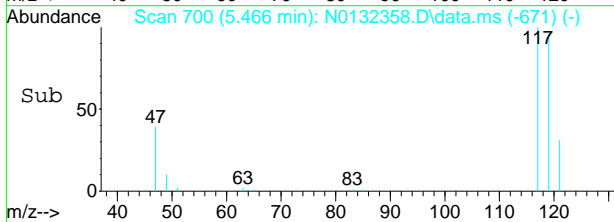
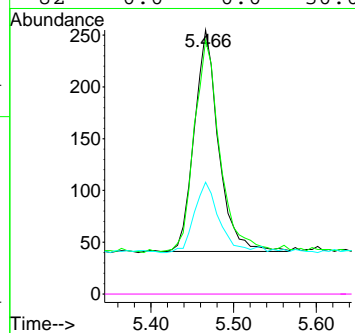
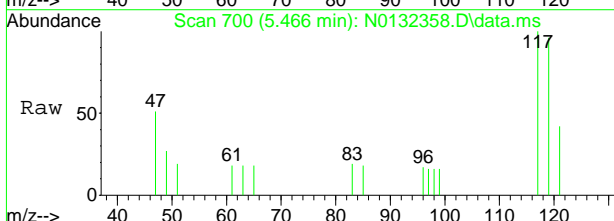
#9
 Chloroform
 Concen: 0.19 ug/L m
 RT: 5.303 min Scan# 676
 Delta R.T. 0.000 min
 Lab File: N0132358.D
 Acq: 29 Aug 2024 1:07 pm

Tgt Ion	Resp	Lower	Upper
83	306		
85	74.2	36.3	96.3
47	45.9	2.6	62.6



#10
 Carbon Tetrachloride
 Concen: 0.70 ug/L
 RT: 5.466 min Scan# 700
 Delta R.T. 0.000 min
 Lab File: N0132358.D
 Acq: 29 Aug 2024 1:07 pm

Tgt Ion	Resp	Lower	Upper
117	437		
117	100		
119	94.9	67.0	127.0
121	31.8	0.5	60.5
82	0.0	0.0	30.0



Manual Integration Approval Summary

Sample Number: FC18341-2 **Method:** SW846 8260D BY SIM
Lab FileID: N0132358.D **Analyst approved:** 08/30/24 12:06 Jenifer Willis
Injection Time: 08/29/24 13:07 **Supervisor approved:** 08/30/24 13:18 Karen Watson

Parameter	CAS	Sig#	R.T. (min.)	Reason
Chloroform	67-66-3		5.30	Poorly defined baseline

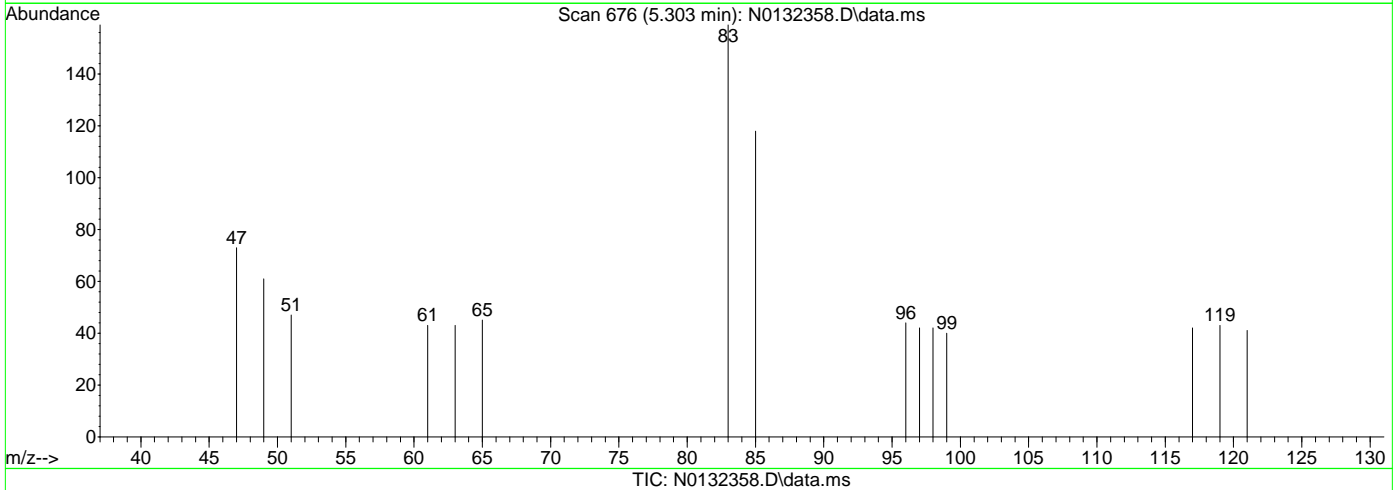
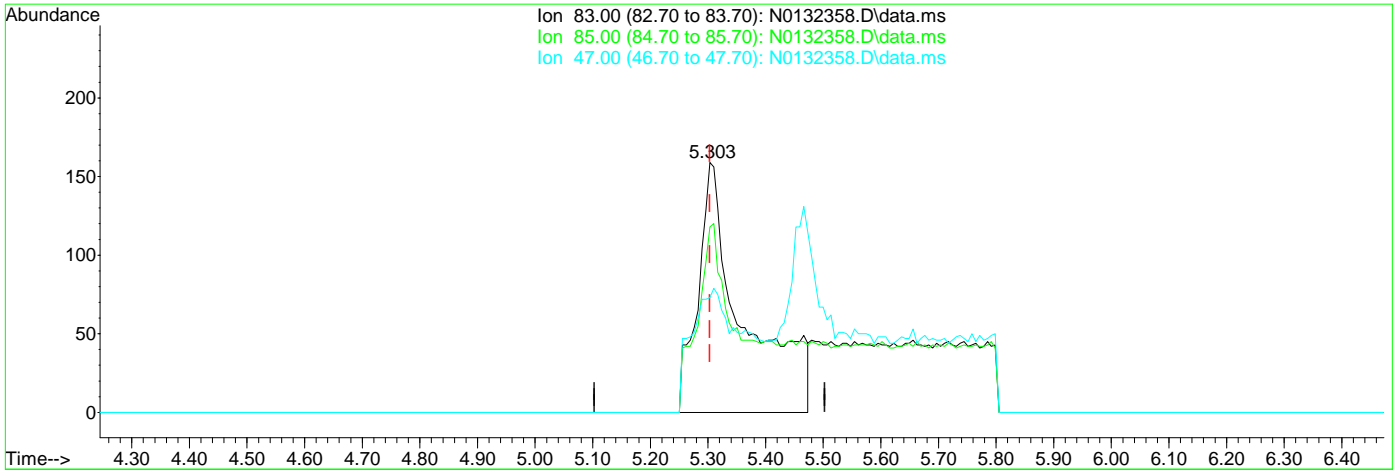
7.1.2.1

7

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\08-29-24\
 Data File : N0132358.D
 Acq On : 29 Aug 2024 1:07 pm
 Operator : jeniferw
 Sample : FC18341-2
 Misc : MS57382,VN6711,,,,,
 ALS Vial : 17 Sample Multiplier: 1

Quant Time: Aug 29 13:39:35 2024
 Quant Method : C:\msdchem\1\methods\SIMCL_VN6705_082024.M
 Quant Title : Standard Methods 6200B
 QLast Update : Tue Aug 20 14:01:28 2024
 Response via : Initial Calibration



(9) Chloroform

5.303min (+0.000) 0.55ug/L

response 861

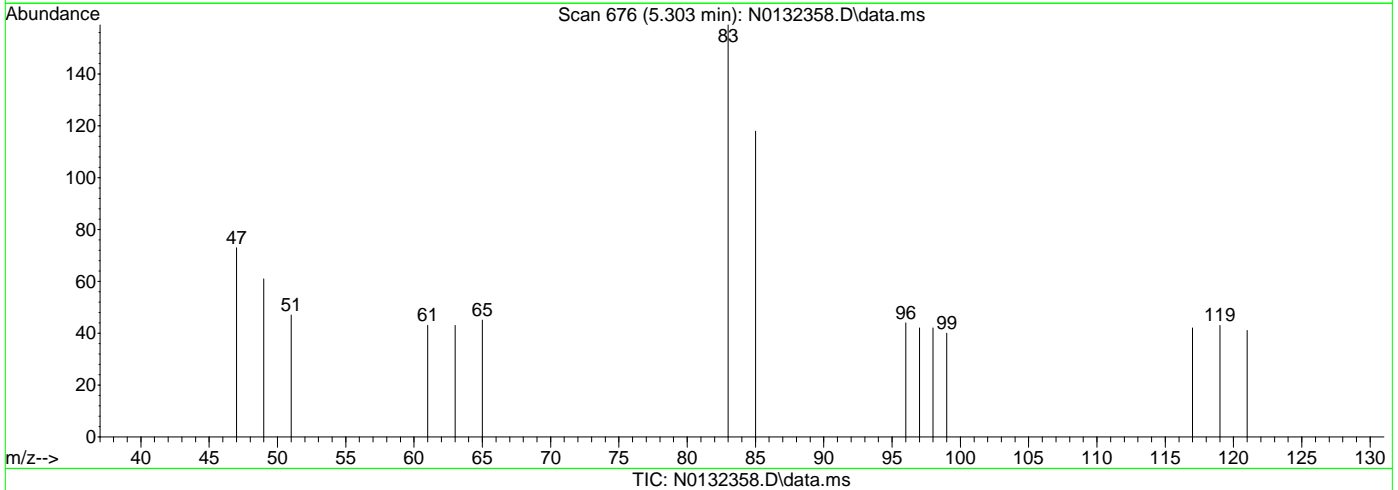
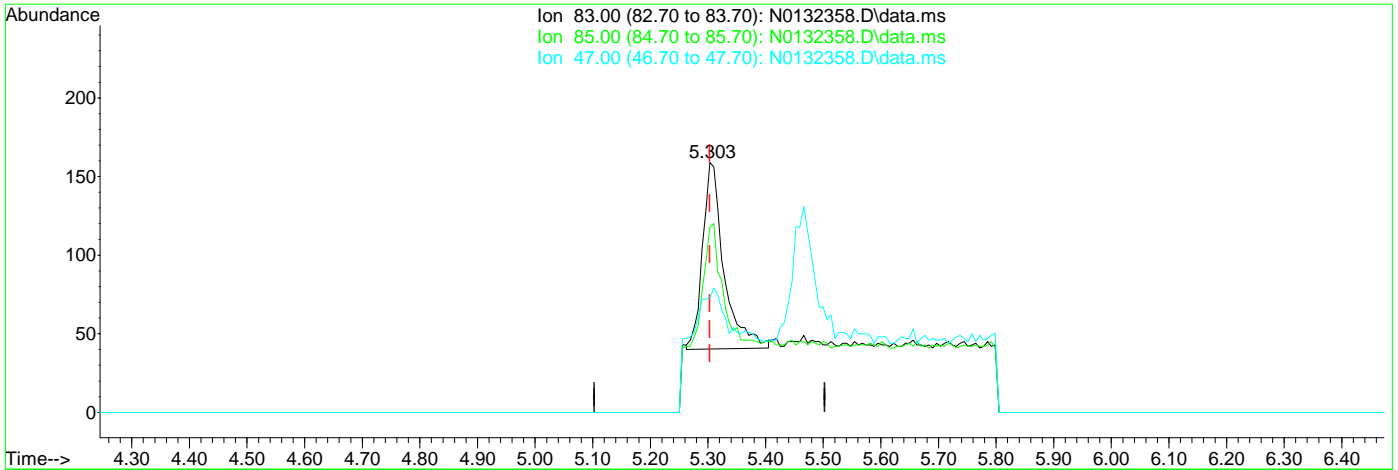
Ion	Exp%	Act%
83.00	100	100
85.00	66.30	74.21
47.00	32.60	45.91
0.00	0.00	0.00

7.1.2.2
7

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\08-29-24\
 Data File : N0132358.D
 Acq On : 29 Aug 2024 1:07 pm
 Operator : jeniferw
 Sample : FC18341-2
 Misc : MS57382,VN6711,,,,,
 ALS Vial : 17 Sample Multiplier: 1

Quant Time: Aug 29 13:39:35 2024
 Quant Method : C:\msdchem\1\methods\SIMCL_VN6705_082024.M
 Quant Title : Standard Methods 6200B
 QLast Update : Tue Aug 20 14:01:28 2024
 Response via : Initial Calibration



(9) Chloroform

5.303min (+0.000) 0.19ug/L m

response 306

Ion	Exp%	Act%
83.00	100	100
85.00	66.30	74.21
47.00	32.60	45.91
0.00	0.00	0.00



7.1.2.3
7

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\08-29-24\
 Data File : N0132359.D
 Acq On : 29 Aug 2024 1:31 pm
 Operator : jeniferw
 Sample : FC18341-3
 Misc : MS57382,VN6711,,,,,
 ALS Vial : 18 Sample Multiplier: 1

Quant Time: Aug 30 11:57:44 2024
 Quant Method : C:\msdchem\1\methods\SIMCL_VN6705_082024.M
 Quant Title : Standard Methods 6200B
 QLast Update : Tue Aug 20 14:01:28 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	Qvalue

Internal Standards							
1) Fluorobenzene	6.341	96	42257	5.00	ug/L	0.00	
18) Chlorobenzene-d5	9.514	117	27284	5.00	ug/L	0.00	
System Monitoring Compounds							
13) 1,2-Dichloroethane-d4	6.041	65	20729	5.70	ug/L	0.00	
Spiked Amount	5.000	Range 74 - 125	Recovery	=	114.00%		
19) Toluene-d8	7.951	98	30688	5.10	ug/L	0.00	
Spiked Amount	5.000	Range 88 - 111	Recovery	=	102.00%		
Target Compounds							
3) Chloromethane	1.977	50	531	0.43	ug/L	97	
5) Methylene Chloride	3.712	49	3187	1.64	ug/L	89	
9) Chloroform	5.303	83	822m	0.52	ug/L		
10) Carbon Tetrachloride	5.466	117	195	0.31	ug/L	85	

(#) = qualifier out of range (m) = manual integration (+) = signals summed

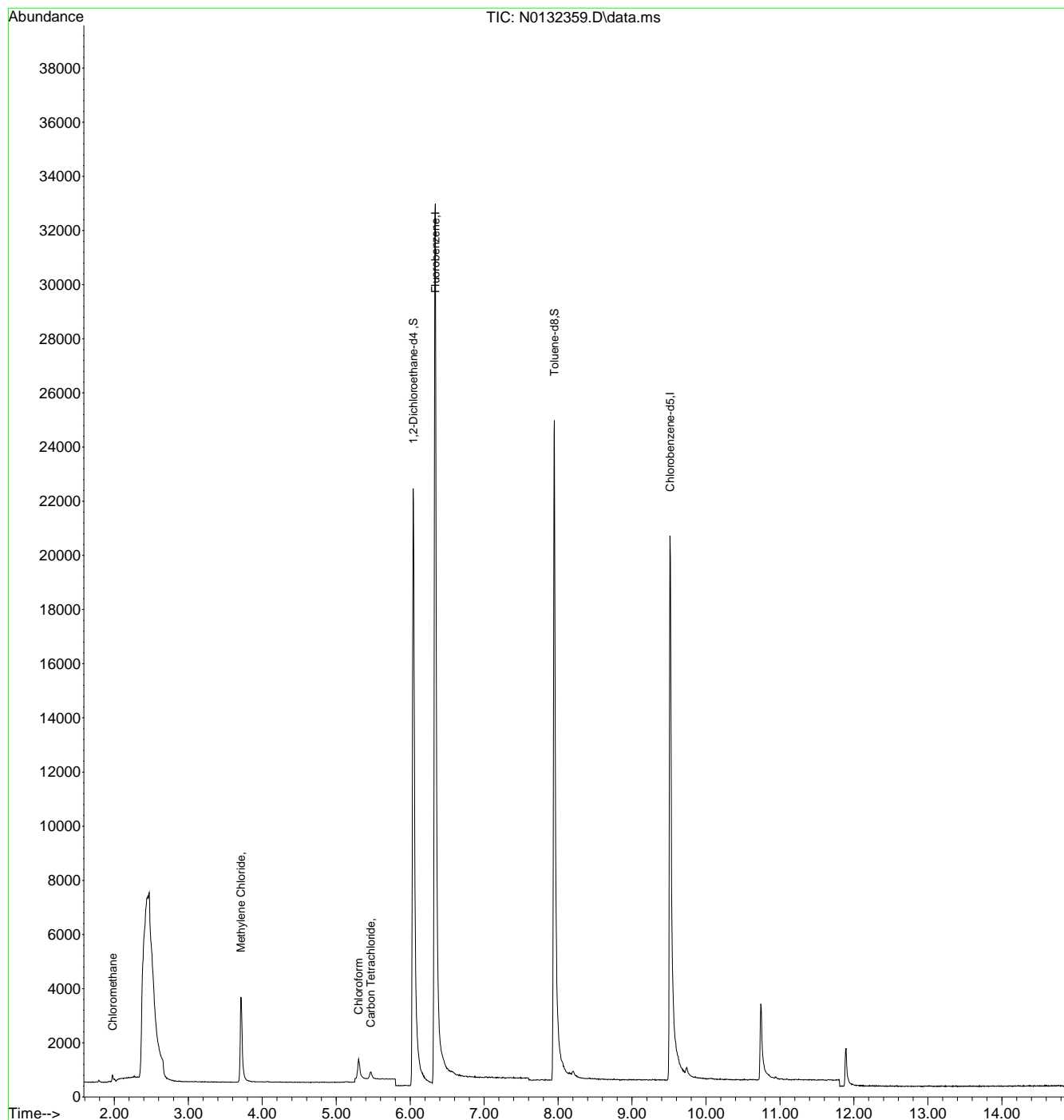
7.1.3
7



Quantitation Report (QT Reviewed)

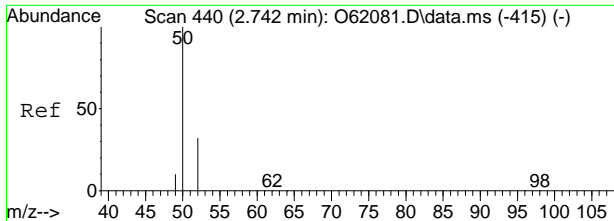
Data Path : C:\msdchem\1\data\08-29-24\
Data File : N0132359.D
Acq On : 29 Aug 2024 1:31 pm
Operator : jeniferw
Sample : FC18341-3
Misc : MS57382,VN6711,,,,,
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Aug 30 11:57:44 2024
Quant Method : C:\msdchem\1\methods\SIMCL_VN6705_082024.M
Quant Title : Standard Methods 6200B
QLast Update : Tue Aug 20 14:01:28 2024
Response via : Initial Calibration



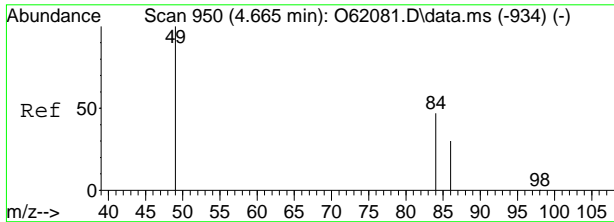
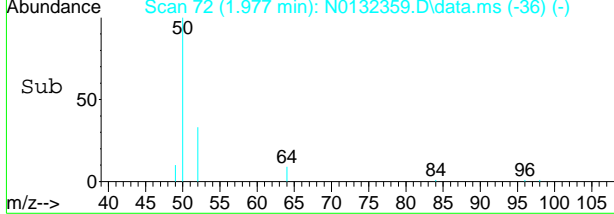
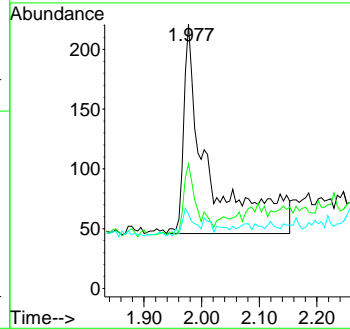
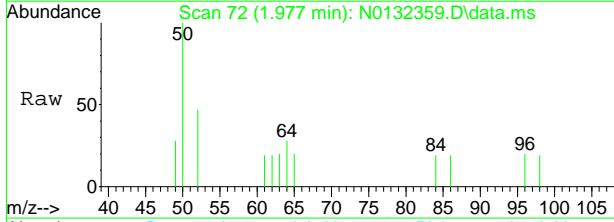
7.1.3
7





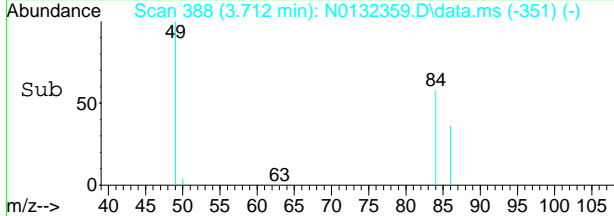
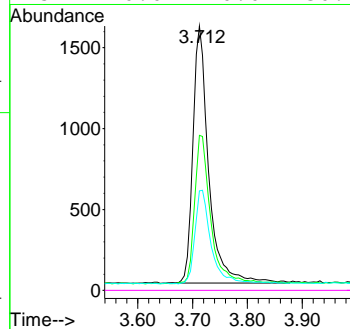
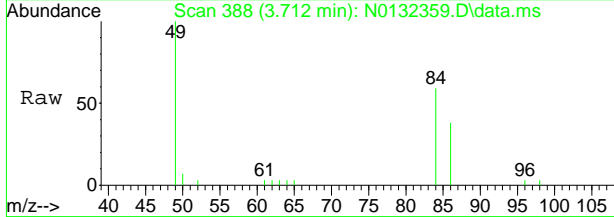
#3
 Chloromethane
 Concen: 0.43 ug/L
 RT: 1.977 min Scan# 72
 Delta R.T. -0.005 min
 Lab File: N0132359.D
 Acq: 29 Aug 2024 1:31 pm

Tgt Ion	Ratio	Lower	Upper
50	100		
52	33.7	2.1	62.1
49	10.3	0.0	39.6

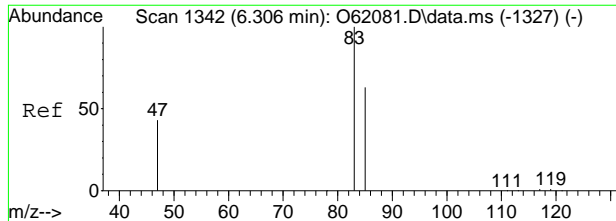


#5
 Methylene Chloride
 Concen: 1.64 ug/L
 RT: 3.712 min Scan# 388
 Delta R.T. 0.000 min
 Lab File: N0132359.D
 Acq: 29 Aug 2024 1:31 pm

Tgt Ion	Ratio	Lower	Upper
49	100		
84	57.5	20.0	80.0
86	35.9	0.4	60.4
51	0.0	0.0	30.0

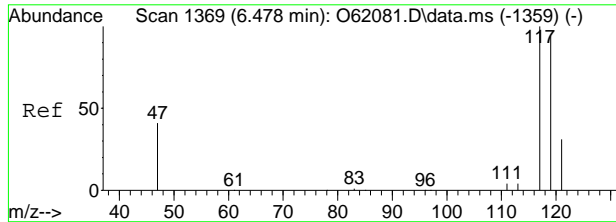
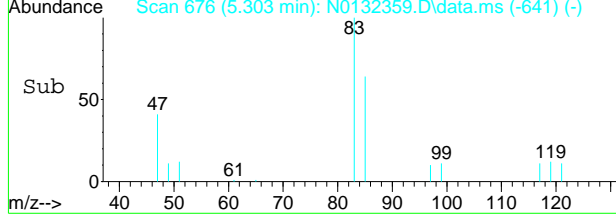
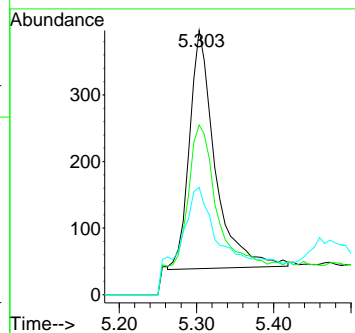
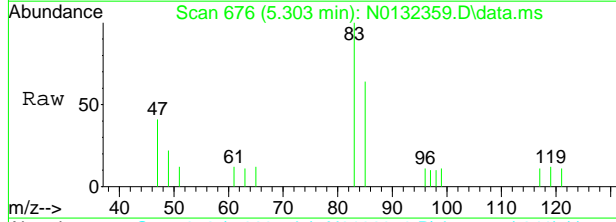


7.1.3
7



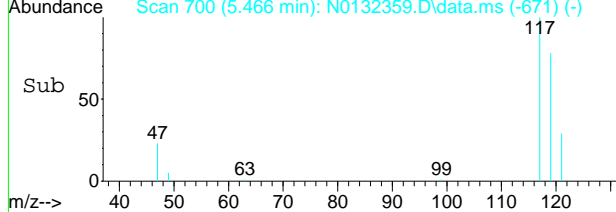
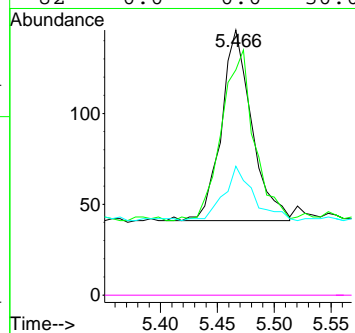
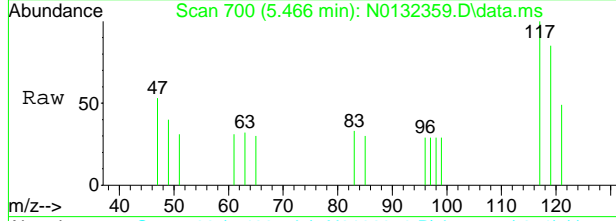
#9
 Chloroform
 Concen: 0.52 ug/L m
 RT: 5.303 min Scan# 676
 Delta R.T. 0.000 min
 Lab File: N0132359.D
 Acq: 29 Aug 2024 1:31 pm

Tgt Ion	Resp	Lower	Upper
83	822		
85	64.2	36.3	96.3
47	40.6	2.6	62.6



#10
 Carbon Tetrachloride
 Concen: 0.31 ug/L
 RT: 5.466 min Scan# 700
 Delta R.T. 0.000 min
 Lab File: N0132359.D
 Acq: 29 Aug 2024 1:31 pm

Tgt Ion	Resp	Lower	Upper
117	195		
117	100		
119	79.0	67.0	127.0
121	27.6	0.5	60.5
82	0.0	0.0	30.0



Manual Integration Approval Summary

Sample Number: FC18341-3 **Method:** SW846 8260D BY SIM
Lab FileID: N0132359.D **Analyst approved:** 08/30/24 12:06 Jenifer Willis
Injection Time: 08/29/24 13:31 **Supervisor approved:** 08/30/24 13:18 Karen Watson

Parameter	CAS	Sig#	R.T. (min.)	Reason
Chloroform	67-66-3		5.30	Poorly defined baseline

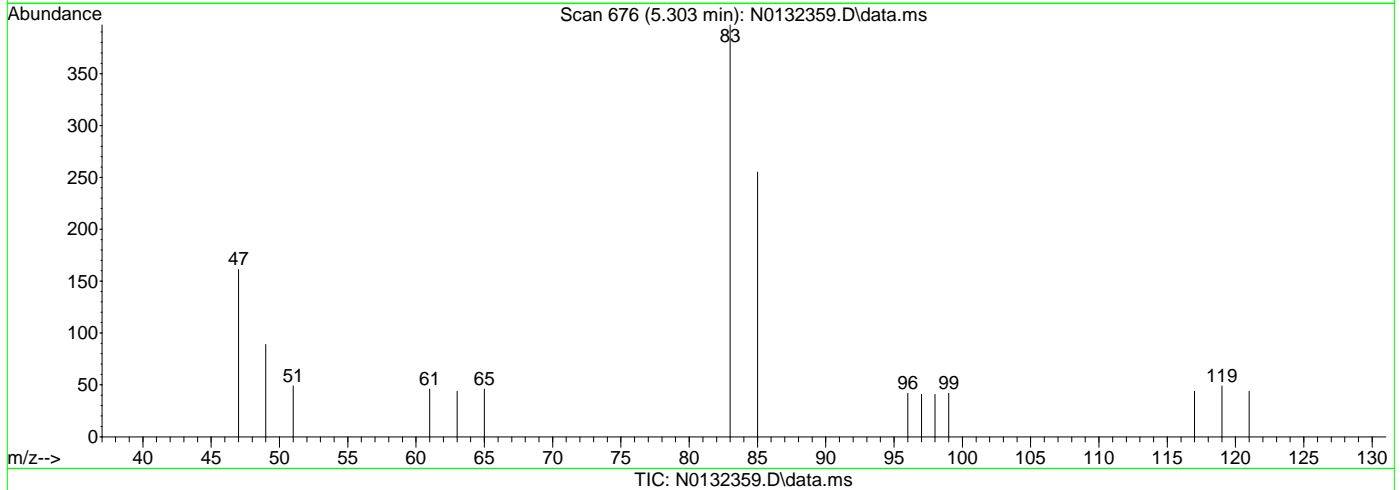
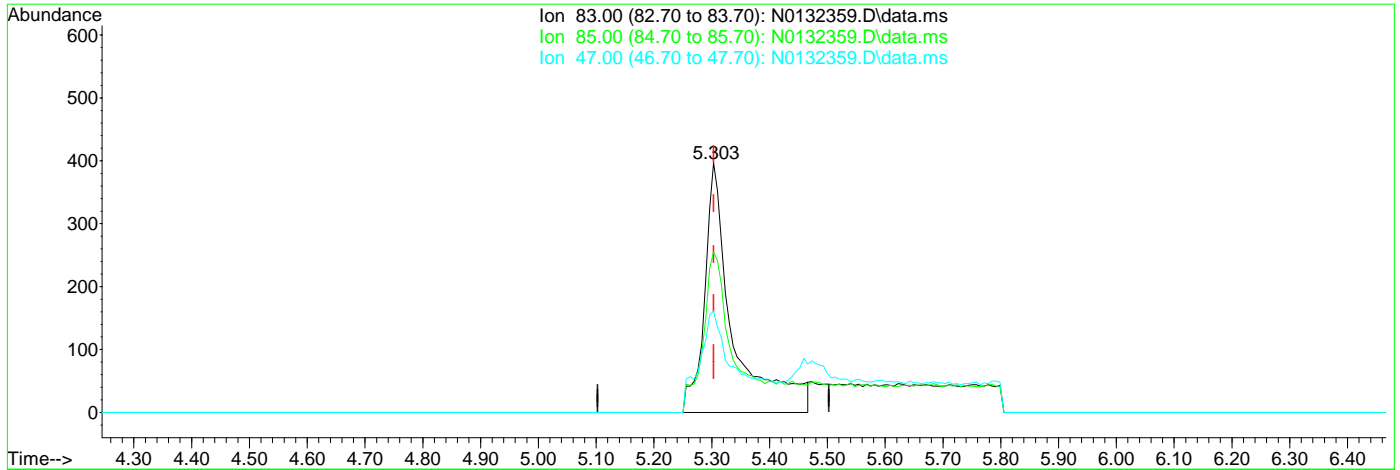
7.1.3.1

7

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\08-29-24\
 Data File : N0132359.D
 Acq On : 29 Aug 2024 1:31 pm
 Operator : jeniferw
 Sample : FC18341-3
 Misc : MS57382,VN6711,,,,,
 ALS Vial : 18 Sample Multiplier: 1

Quant Time: Aug 30 06:42:06 2024
 Quant Method : C:\msdchem\1\methods\SIMCL_VN6705_082024.M
 Quant Title : Standard Methods 6200B
 QLast Update : Tue Aug 20 14:01:28 2024
 Response via : Initial Calibration



(9) Chloroform
 5.303min (+0.000) 0.86ug/L

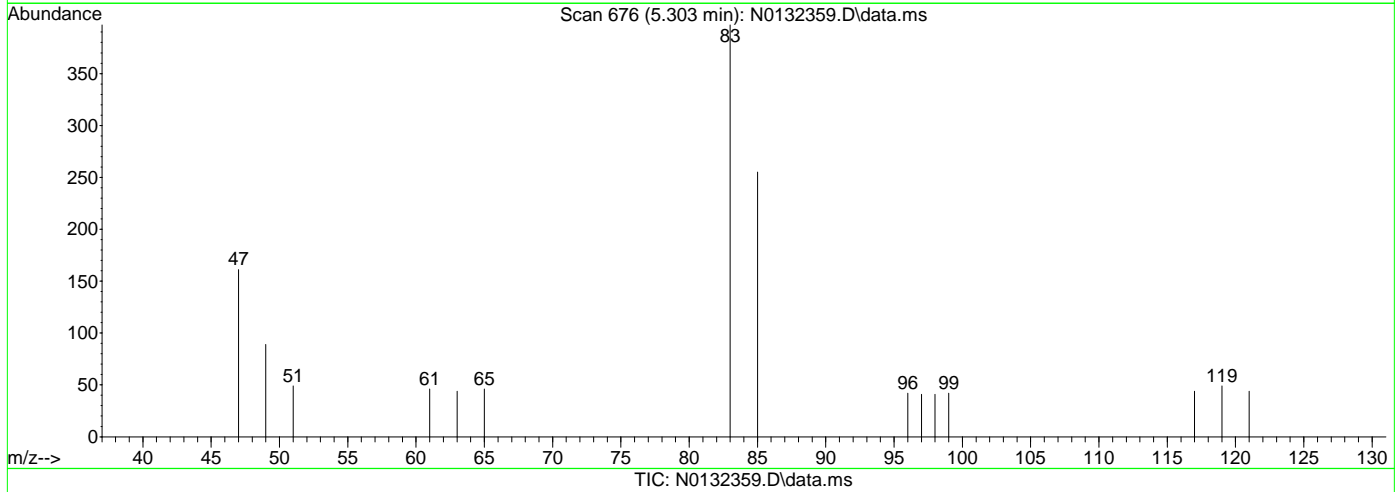
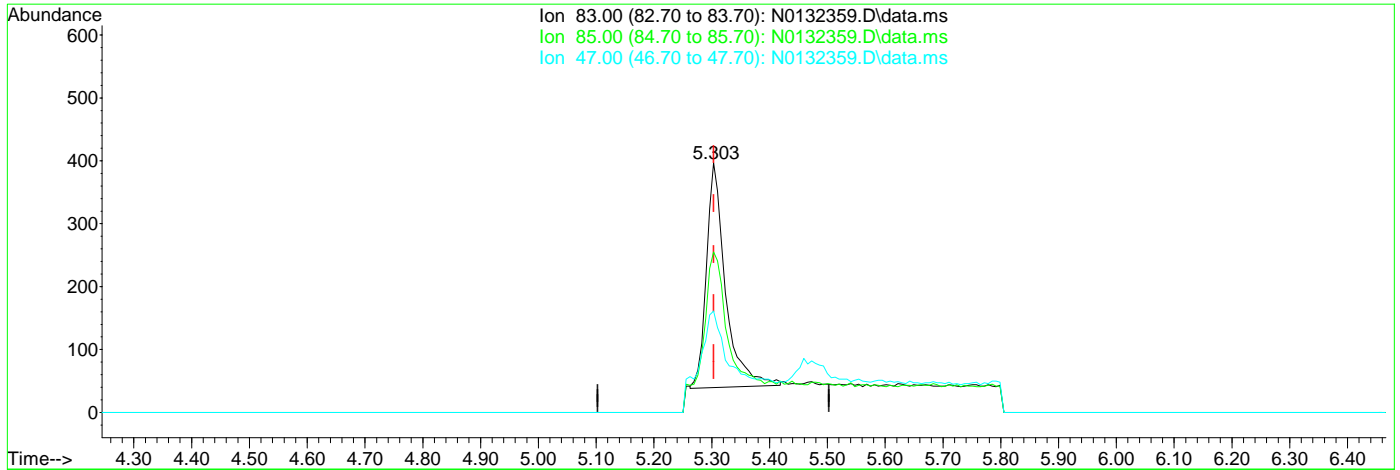
response 1353

Ion	Exp%	Act%
83.00	100	100
85.00	66.30	64.23
47.00	32.60	40.55
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\08-29-24\
 Data File : N0132359.D
 Acq On : 29 Aug 2024 1:31 pm
 Operator : jeniferw
 Sample : FC18341-3
 Misc : MS57382,VN6711,,,,,
 ALS Vial : 18 Sample Multiplier: 1

Quant Time: Aug 30 06:42:06 2024
 Quant Method : C:\msdchem\1\methods\SIMCL_VN6705_082024.M
 Quant Title : Standard Methods 6200B
 QLast Update : Tue Aug 20 14:01:28 2024
 Response via : Initial Calibration



(9) Chloroform
 5.303min (+0.000) 0.52ug/L m

response 822

Ion	Exp%	Act%
83.00	100	100
85.00	66.30	64.23
47.00	32.60	40.55
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\08-29-24\
 Data File : N0132360.D
 Acq On : 29 Aug 2024 1:56 pm
 Operator : jeniferw
 Sample : FC18341-4
 Misc : MS57382,VN6711,,,,,
 ALS Vial : 19 Sample Multiplier: 1

Quant Time: Aug 30 11:58:24 2024
 Quant Method : C:\msdchem\1\methods\SIMCL_VN6705_082024.M
 Quant Title : Standard Methods 6200B
 QLast Update : Tue Aug 20 14:01:28 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	Qvalue

Internal Standards							
1) Fluorobenzene	6.341	96	43234	5.00	ug/L	0.00	
18) Chlorobenzene-d5	9.519	117	27133	5.00	ug/L	0.00	
System Monitoring Compounds							
13) 1,2-Dichloroethane-d4	6.045	65	20813	5.60	ug/L	0.00	
Spiked Amount	5.000	Range 74 - 125	Recovery	=	112.00%		
19) Toluene-d8	7.951	98	30997	5.18	ug/L	0.00	
Spiked Amount	5.000	Range 88 - 111	Recovery	=	103.60%		
Target Compounds							
3) Chloromethane	1.977	50	540	0.42	ug/L	95	
5) Methylene Chloride	3.712	49	3403	1.71	ug/L	96	
10) Carbon Tetrachloride	5.466	117	162	0.25	ug/L	85	

(#) = qualifier out of range (m) = manual integration (+) = signals summed

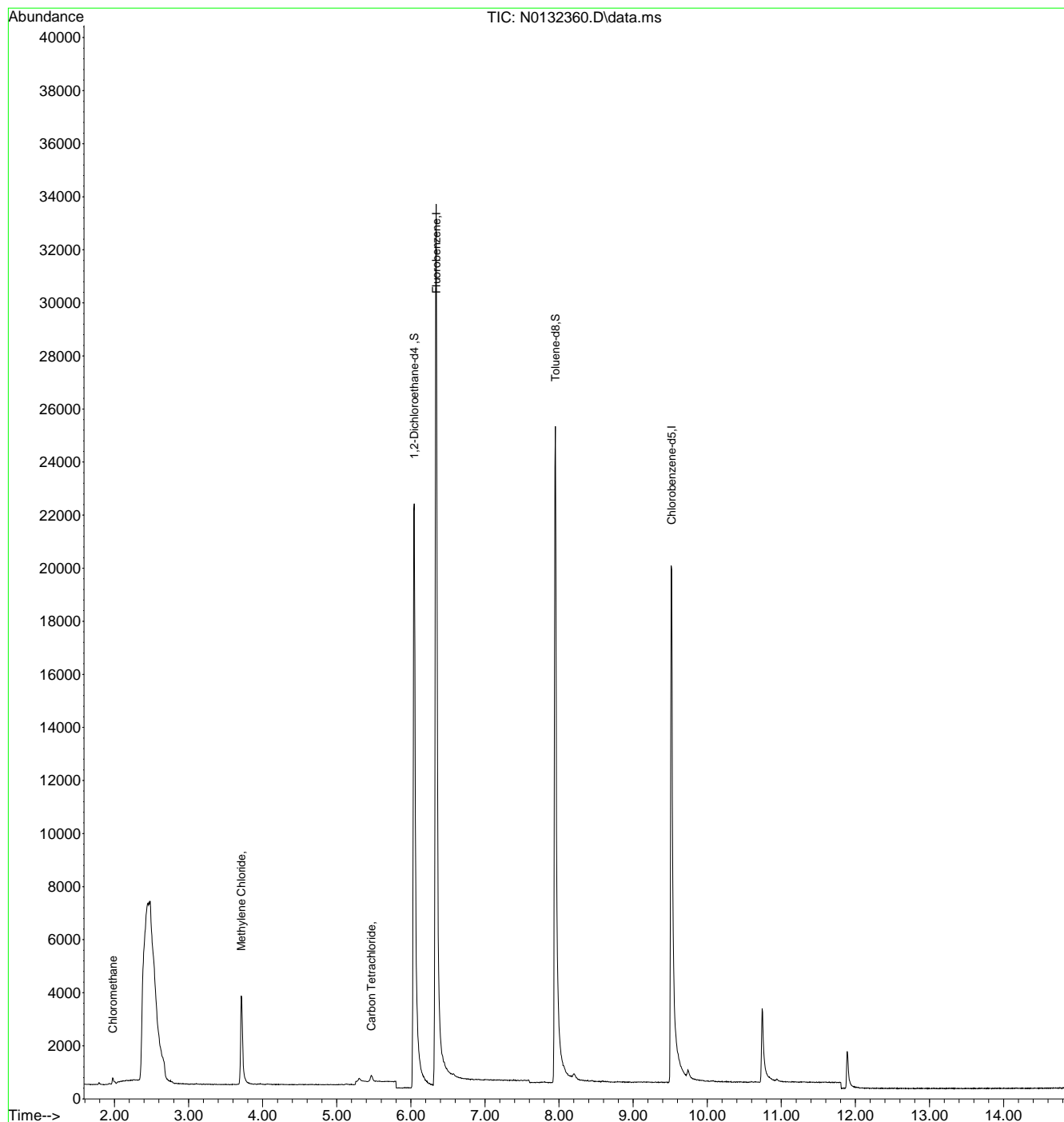
7.14
7

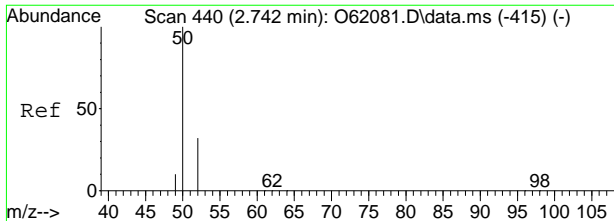


Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\08-29-24\
Data File : N0132360.D
Acq On : 29 Aug 2024 1:56 pm
Operator : jeniferw
Sample : FC18341-4
Misc : MS57382,VN6711,,,,,
ALS Vial : 19 Sample Multiplier: 1

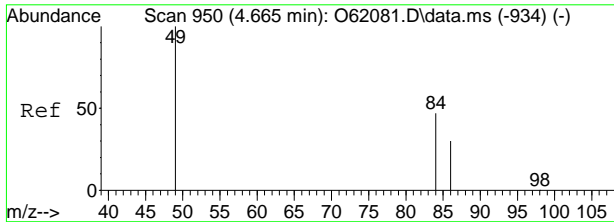
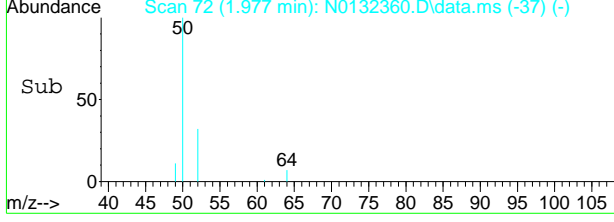
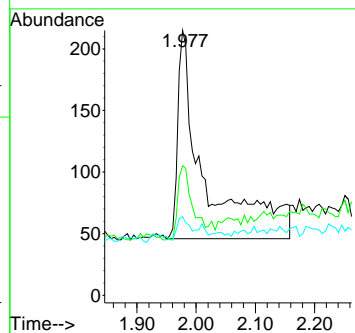
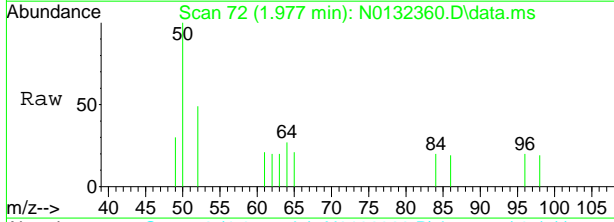
Quant Time: Aug 30 11:58:24 2024
Quant Method : C:\msdchem\1\methods\SIMCL_VN6705_082024.M
Quant Title : Standard Methods 6200B
QLast Update : Tue Aug 20 14:01:28 2024
Response via : Initial Calibration





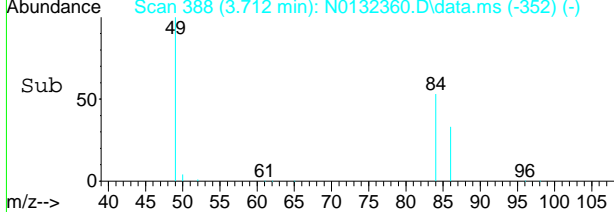
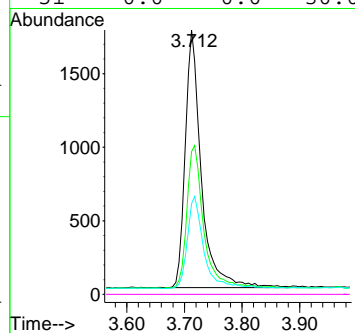
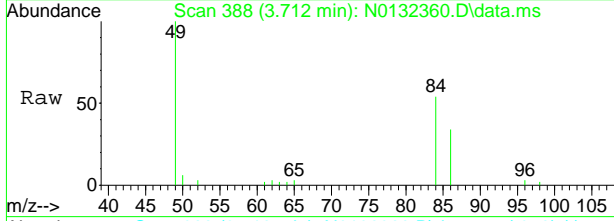
#3
 Chloromethane
 Concen: 0.42 ug/L
 RT: 1.977 min Scan# 72
 Delta R.T. -0.005 min
 Lab File: N0132360.D
 Acq: 29 Aug 2024 1:56 pm

Tgt Ion	Resp	Lower	Upper
50	540		
52	35.5	2.1	62.1
49	9.5	0.0	39.6

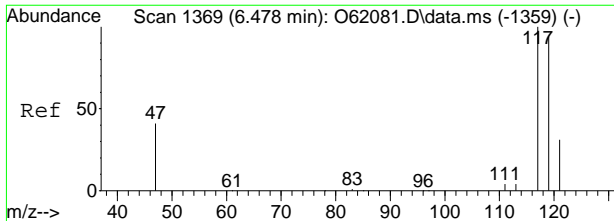


#5
 Methylene Chloride
 Concen: 1.71 ug/L
 RT: 3.712 min Scan# 388
 Delta R.T. 0.000 min
 Lab File: N0132360.D
 Acq: 29 Aug 2024 1:56 pm

Tgt Ion	Resp	Lower	Upper
49	3403		
84	52.8	20.0	80.0
86	32.9	0.4	60.4
51	0.0	0.0	30.0

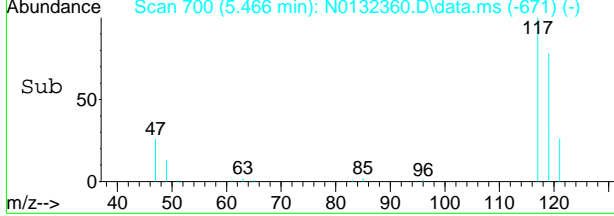
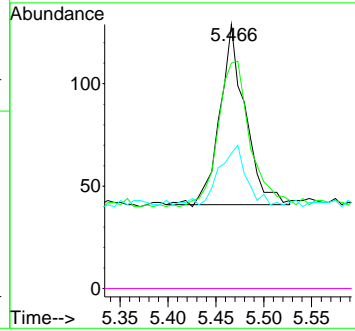
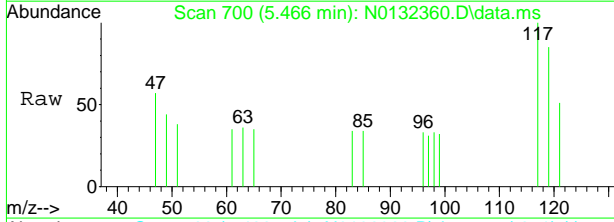


7.14
7



#10
 Carbon Tetrachloride
 Concen: 0.25 ug/L
 RT: 5.466 min Scan# 700
 Delta R.T. 0.000 min
 Lab File: N0132360.D
 Acq: 29 Aug 2024 1:56 pm

Tgt Ion	Ratio	Lower	Upper
117	100		
119	79.5	67.0	127.0
121	27.3	0.5	60.5
82	0.0	0.0	30.0



7.1.4
7

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\08-29-24\
 Data File : N0132361.D
 Acq On : 29 Aug 2024 2:20 pm
 Operator : jeniferw
 Sample : FC18341-5
 Misc : MS57382,VN6711,,,,,
 ALS Vial : 20 Sample Multiplier: 1

Quant Time: Aug 30 11:58:42 2024
 Quant Method : C:\msdchem\1\methods\SIMCL_VN6705_082024.M
 Quant Title : Standard Methods 6200B
 QLast Update : Tue Aug 20 14:01:28 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	Qvalue

Internal Standards							
1) Fluorobenzene	6.341	96	42443	5.00	ug/L	0.00	
18) Chlorobenzene-d5	9.519	117	26882	5.00	ug/L	0.00	
System Monitoring Compounds							
13) 1,2-Dichloroethane-d4	6.045	65	20909	5.73	ug/L	0.00	
Spiked Amount	5.000	Range 74 - 125	Recovery	=	114.60%		
19) Toluene-d8	7.951	98	30590	5.16	ug/L	0.00	
Spiked Amount	5.000	Range 88 - 111	Recovery	=	103.20%		
Target Compounds							
3) Chloromethane	1.982	50	323	0.26	ug/L	96	
5) Methylene Chloride	3.712	49	2990	1.53	ug/L	97	
9) Chloroform	5.303	83	215m	0.13	ug/L		
10) Carbon Tetrachloride	5.473	117	263	0.41	ug/L	94	

(#) = qualifier out of range (m) = manual integration (+) = signals summed

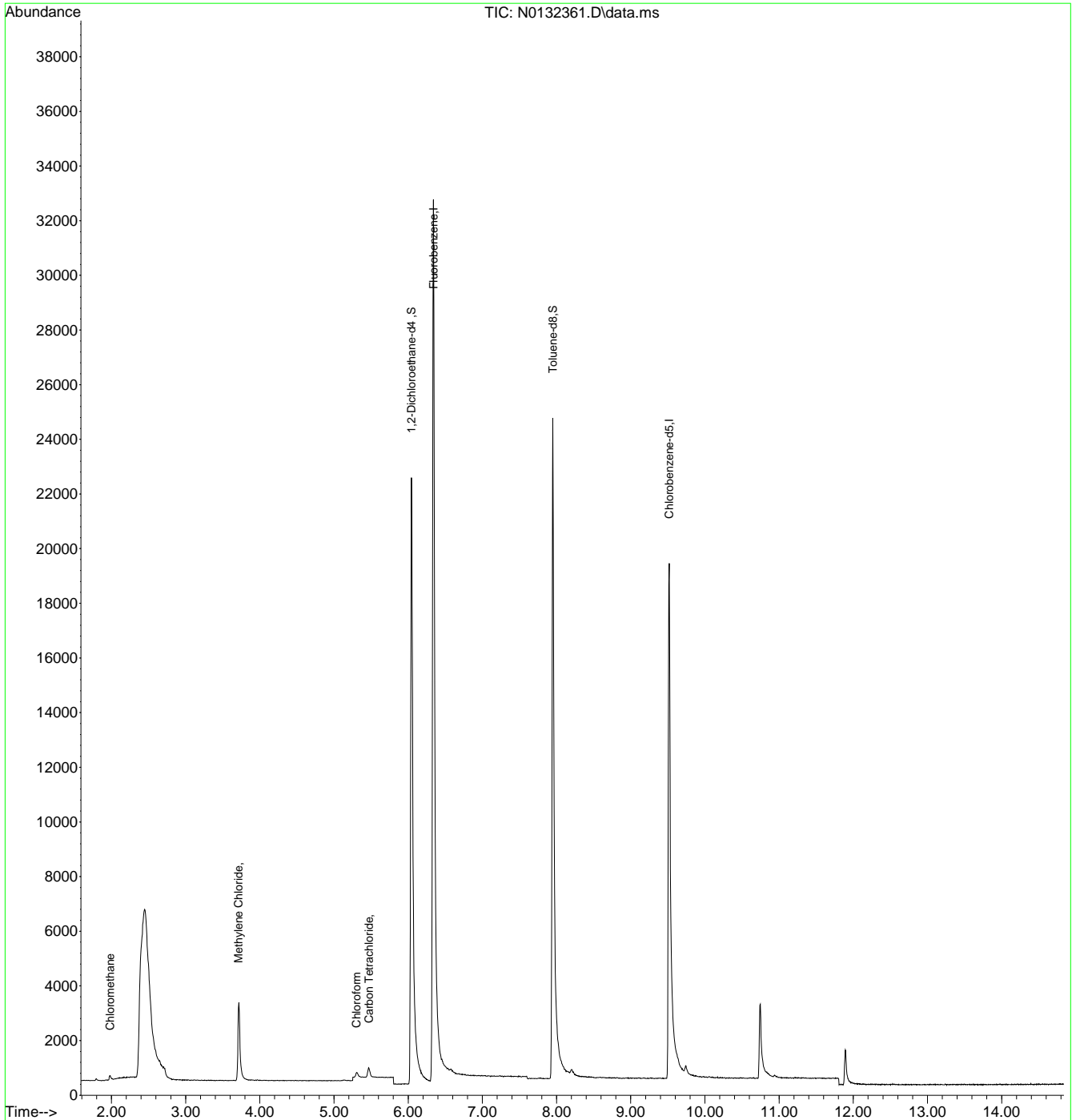
7.15
7

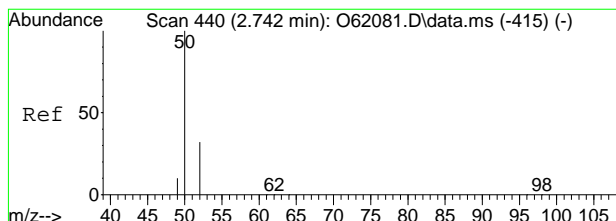


Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\08-29-24\
 Data File : N0132361.D
 Acq On : 29 Aug 2024 2:20 pm
 Operator : jeniferw
 Sample : FC18341-5
 Misc : MS57382,VN6711,,,,,
 ALS Vial : 20 Sample Multiplier: 1

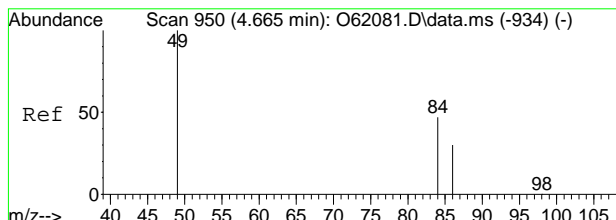
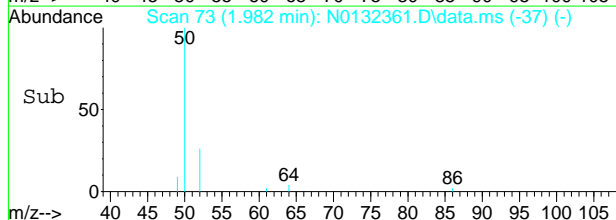
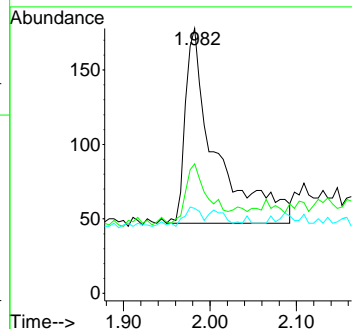
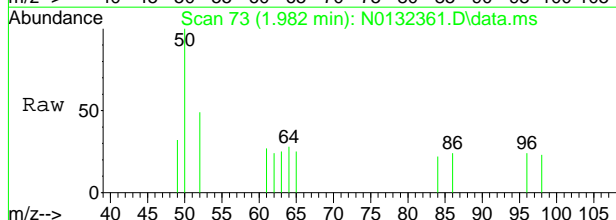
Quant Time: Aug 30 11:58:42 2024
 Quant Method : C:\msdchem\1\methods\SIMCL_VN6705_082024.M
 Quant Title : Standard Methods 6200B
 QLast Update : Tue Aug 20 14:01:28 2024
 Response via : Initial Calibration





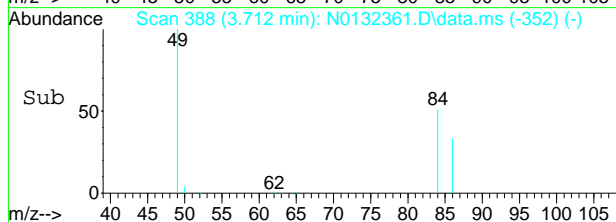
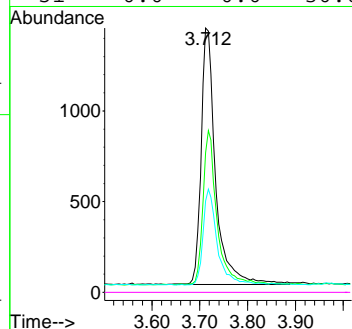
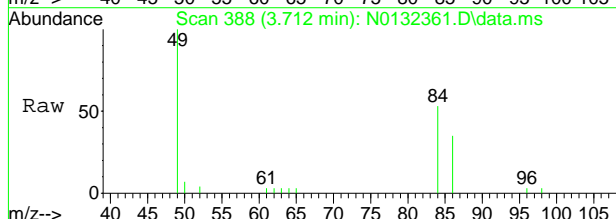
#3
 Chloromethane
 Concen: 0.26 ug/L
 RT: 1.982 min Scan# 73
 Delta R.T. 0.000 min
 Lab File: N0132361.D
 Acq: 29 Aug 2024 2:20 pm

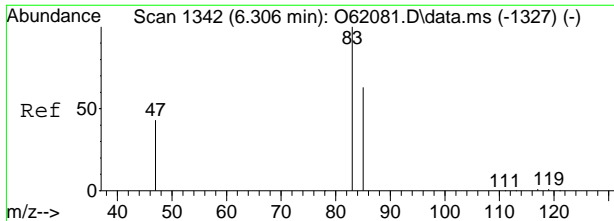
Tgt Ion	Ratio	Lower	Upper
50	100		
52	29.8	2.1	62.1
49	8.4	0.0	39.6



#5
 Methylene Chloride
 Concen: 1.53 ug/L
 RT: 3.712 min Scan# 388
 Delta R.T. 0.000 min
 Lab File: N0132361.D
 Acq: 29 Aug 2024 2:20 pm

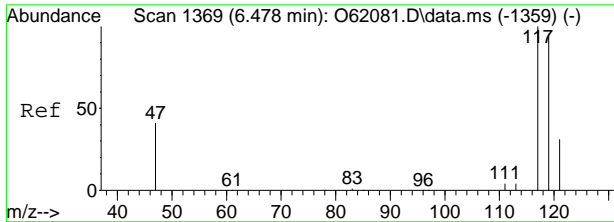
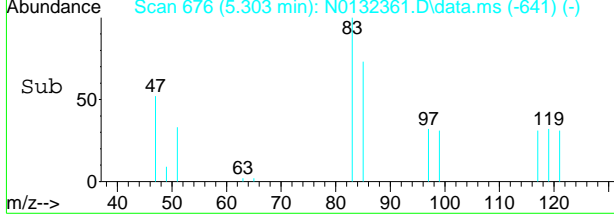
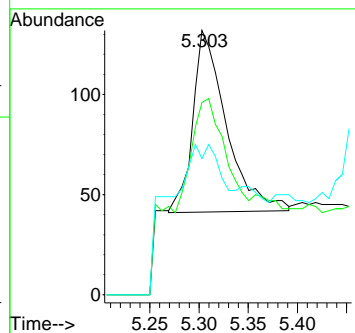
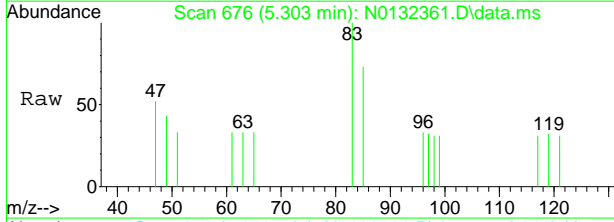
Tgt Ion	Ratio	Lower	Upper
49	100		
84	51.3	20.0	80.0
86	32.7	0.4	60.4
51	0.0	0.0	30.0





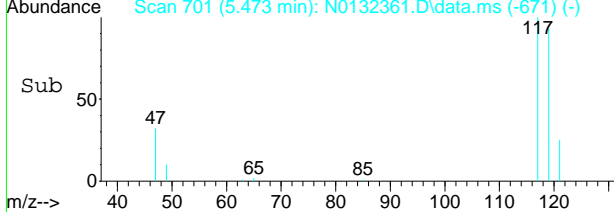
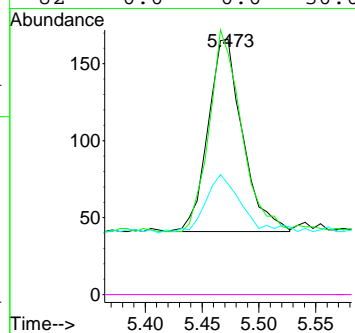
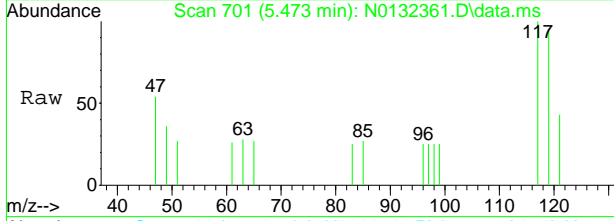
#9
 Chloroform
 Concen: 0.13 ug/L m
 RT: 5.303 min Scan# 676
 Delta R.T. 0.000 min
 Lab File: N0132361.D
 Acq: 29 Aug 2024 2:20 pm

Tgt Ion	Resp	Lower	Upper
83	215		
85	72.7	36.3	96.3
47	51.5	2.6	62.6



#10
 Carbon Tetrachloride
 Concen: 0.41 ug/L
 RT: 5.473 min Scan# 701
 Delta R.T. 0.007 min
 Lab File: N0132361.D
 Acq: 29 Aug 2024 2:20 pm

Tgt Ion	Resp	Lower	Upper
117	263		
119	92.8	67.0	127.0
121	24.0	0.5	60.5
82	0.0	0.0	30.0



7.15
7

Manual Integration Approval Summary

Sample Number: FC18341-5 **Method:** SW846 8260D BY SIM
Lab FileID: N0132361.D **Analyst approved:** 08/30/24 12:06 Jenifer Willis
Injection Time: 08/29/24 14:20 **Supervisor approved:** 08/30/24 13:18 Karen Watson

Parameter	CAS	Sig#	R.T. (min.)	Reason
Chloroform	67-66-3		5.30	Poorly defined baseline

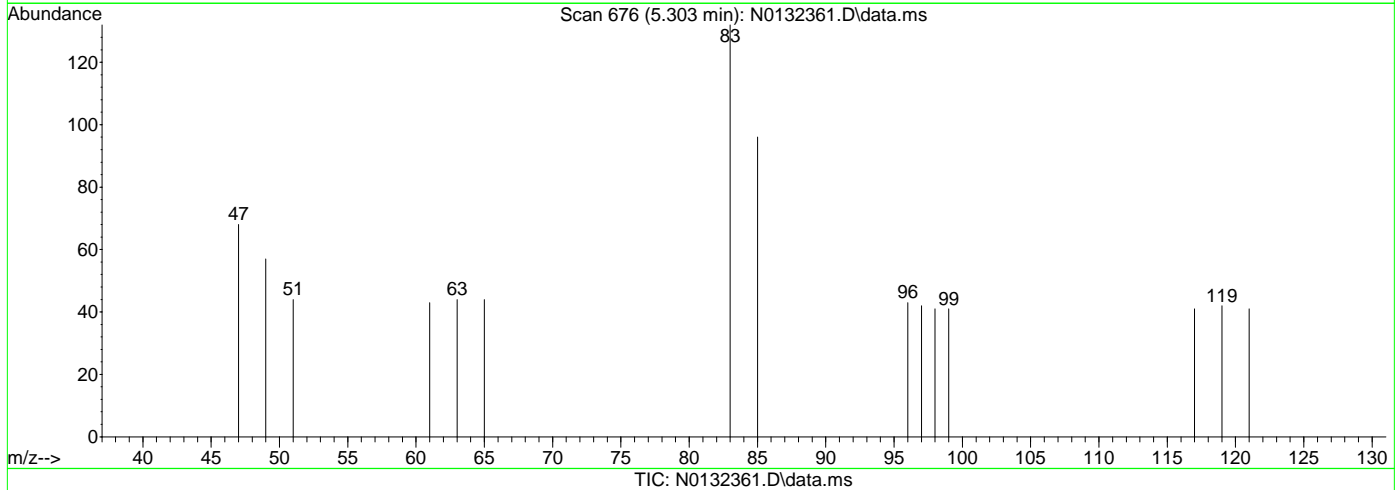
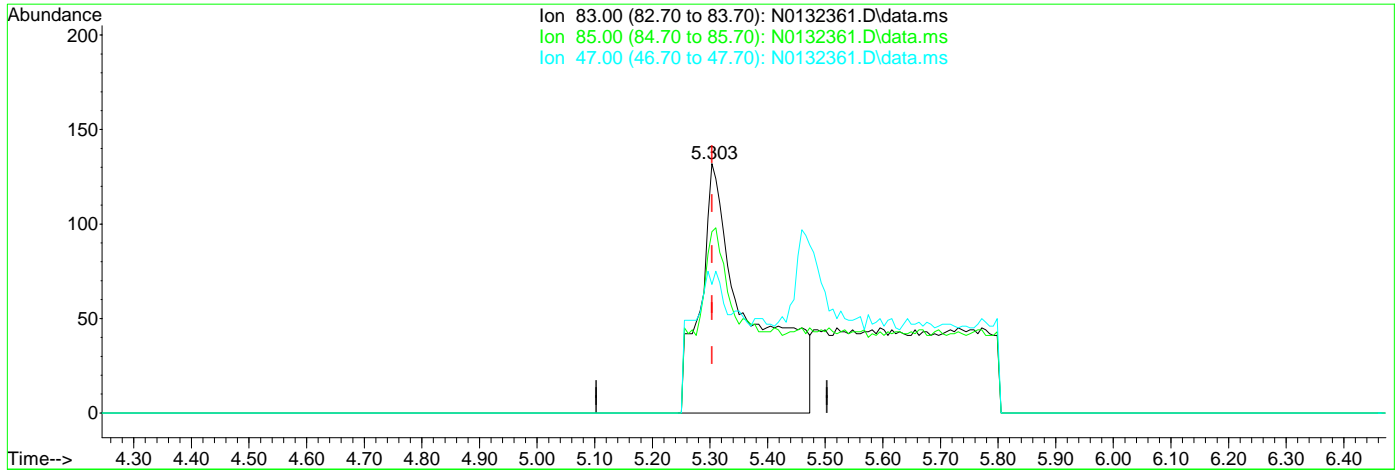
7.1.5.1

7

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\08-29-24\
 Data File : N0132361.D
 Acq On : 29 Aug 2024 2:20 pm
 Operator : jeniferw
 Sample : FC18341-5
 Misc : MS57382,VN6711,,,,,
 ALS Vial : 20 Sample Multiplier: 1

Quant Time: Aug 30 06:42:10 2024
 Quant Method : C:\msdchem\1\methods\SIMCL_VN6705_082024.M
 Quant Title : Standard Methods 6200B
 QLast Update : Tue Aug 20 14:01:28 2024
 Response via : Initial Calibration



(9) Chloroform

5.303min (+0.000) 0.49ug/L

response 780

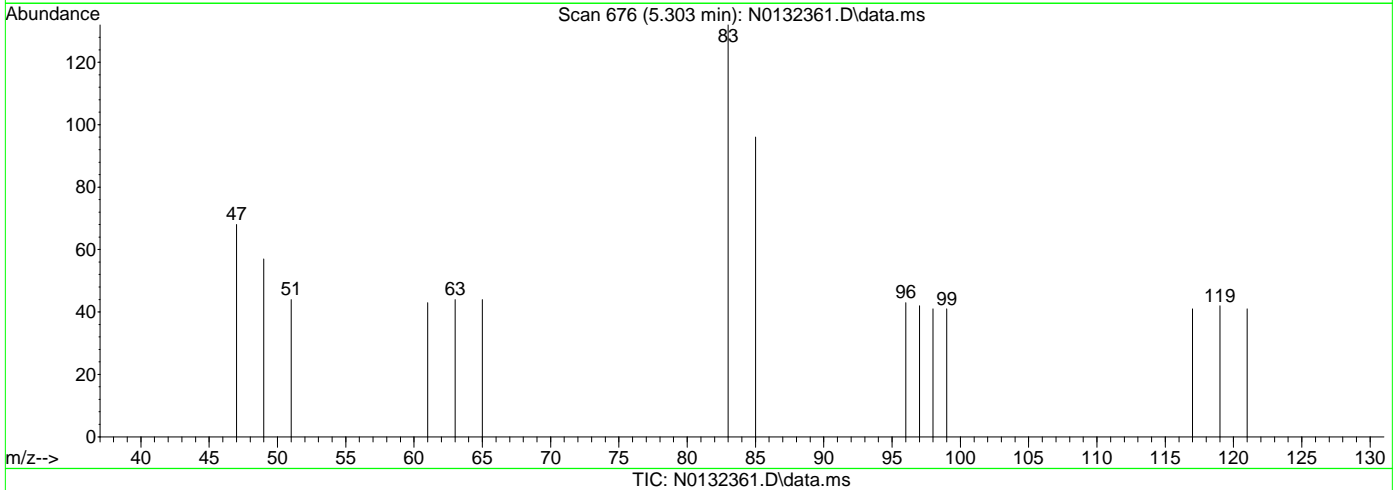
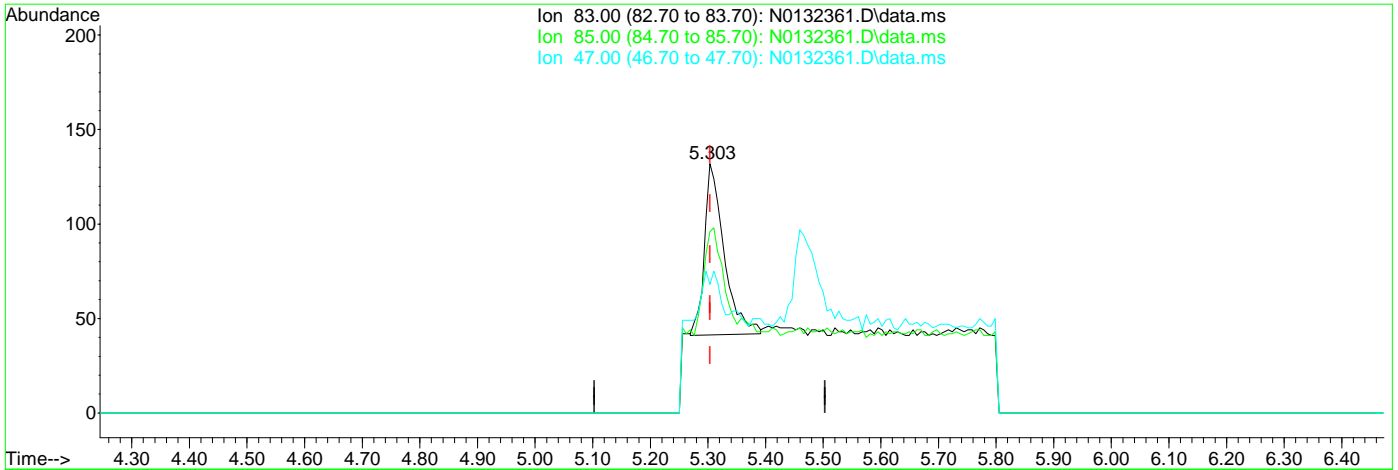
Ion	Exp%	Act%
83.00	100	100
85.00	66.30	72.73
47.00	32.60	51.52
0.00	0.00	0.00

7.1.5.2
7

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\08-29-24\
 Data File : N0132361.D
 Acq On : 29 Aug 2024 2:20 pm
 Operator : jeniferw
 Sample : FC18341-5
 Misc : MS57382,VN6711,,,,,
 ALS Vial : 20 Sample Multiplier: 1

Quant Time: Aug 30 06:42:10 2024
 Quant Method : C:\msdchem\1\methods\SIMCL_VN6705_082024.M
 Quant Title : Standard Methods 6200B
 QLast Update : Tue Aug 20 14:01:28 2024
 Response via : Initial Calibration



(9) Chloroform
 5.303min (+0.000) 0.13ug/L m

response 215

Ion	Exp%	Act%
83.00	100	100
85.00	66.30	72.73
47.00	32.60	51.52
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\08-29-24\
 Data File : N0132362.D
 Acq On : 29 Aug 2024 2:44 pm
 Operator : jeniferw
 Sample : FC18341-6
 Misc : MS57382,VN6711,,,,,
 ALS Vial : 21 Sample Multiplier: 1

Quant Time: Aug 30 11:58:57 2024
 Quant Method : C:\msdchem\1\methods\SIMCL_VN6705_082024.M
 Quant Title : Standard Methods 6200B
 QLast Update : Tue Aug 20 14:01:28 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	Qvalue

Internal Standards							
1) Fluorobenzene	6.341	96	43039	5.00	ug/L	0.00	
18) Chlorobenzene-d5	9.519	117	27210	5.00	ug/L	0.00	
System Monitoring Compounds							
13) 1,2-Dichloroethane-d4	6.045	65	20984	5.67	ug/L	0.00	
Spiked Amount	5.000	Range 74 - 125	Recovery	=	113.40%		
19) Toluene-d8	7.951	98	31433	5.23	ug/L	0.00	
Spiked Amount	5.000	Range 88 - 111	Recovery	=	104.60%		
Target Compounds							
3) Chloromethane	1.977	50	399	0.31	ug/L	96	
5) Methylene Chloride	3.712	49	2734	1.37	ug/L	98	
9) Chloroform	5.310	83	246m	0.15	ug/L		
10) Carbon Tetrachloride	5.473	117	332	0.52	ug/L	94	

(#) = qualifier out of range (m) = manual integration (+) = signals summed

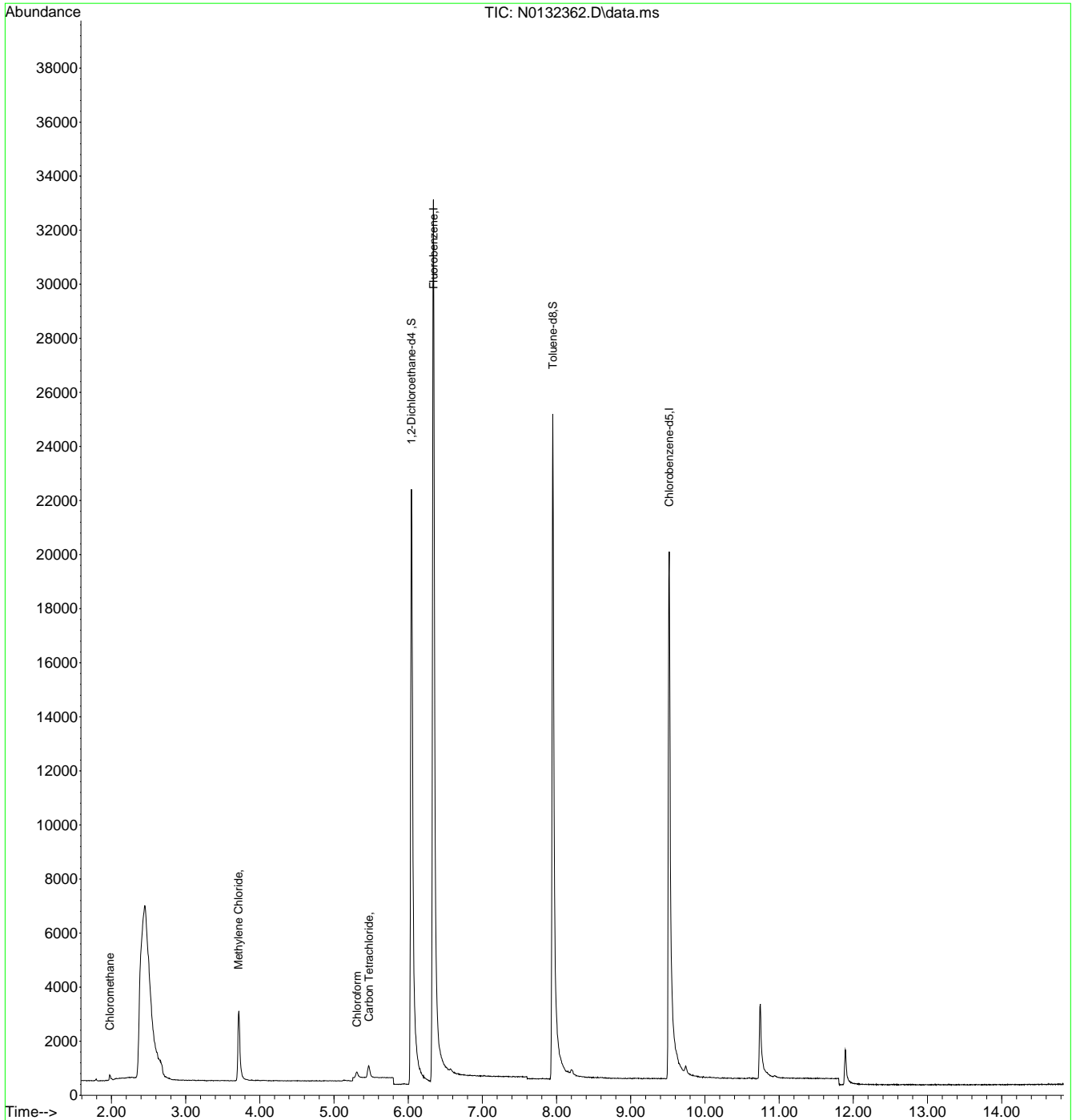
7.1.6
7



Quantitation Report (QT Reviewed)

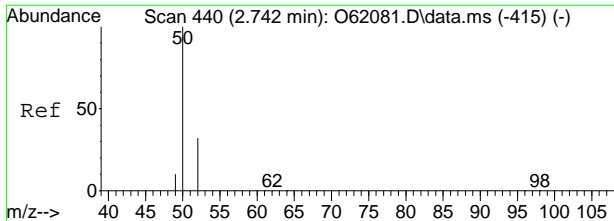
Data Path : C:\msdchem\1\data\08-29-24\
Data File : N0132362.D
Acq On : 29 Aug 2024 2:44 pm
Operator : jeniferw
Sample : FC18341-6
Misc : MS57382,VN6711,,,,,
ALS Vial : 21 Sample Multiplier: 1

Quant Time: Aug 30 11:58:57 2024
Quant Method : C:\msdchem\1\methods\SIMCL_VN6705_082024.M
Quant Title : Standard Methods 6200B
QLast Update : Tue Aug 20 14:01:28 2024
Response via : Initial Calibration



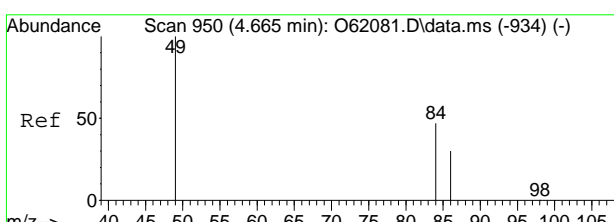
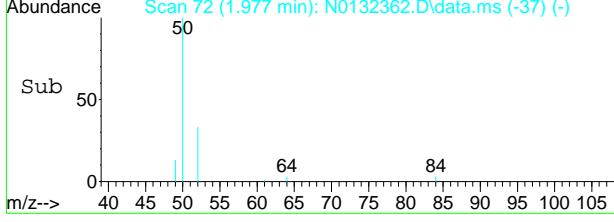
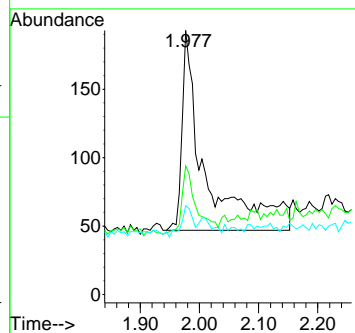
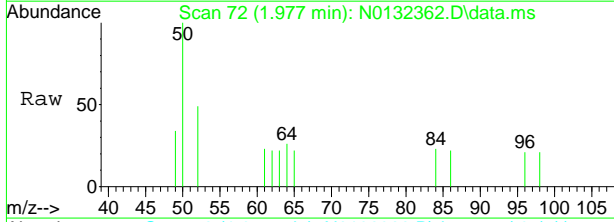
7.1.6
7





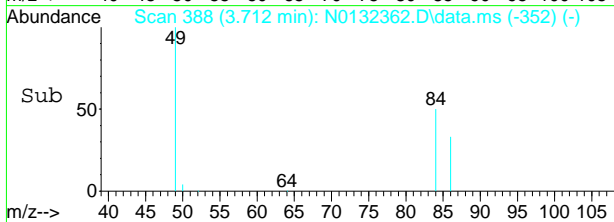
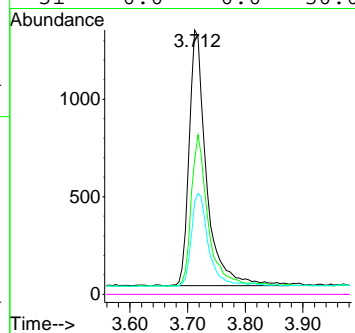
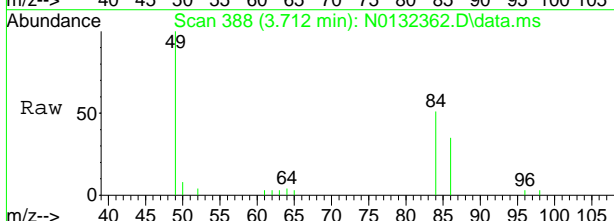
#3
 Chloromethane
 Concen: 0.31 ug/L
 RT: 1.977 min Scan# 72
 Delta R.T. -0.005 min
 Lab File: N0132362.D
 Acq: 29 Aug 2024 2:44 pm

Tgt Ion	Resp	Lower	Upper
50	399		
52	33.6	2.1	62.1
49	13.0	0.0	39.6

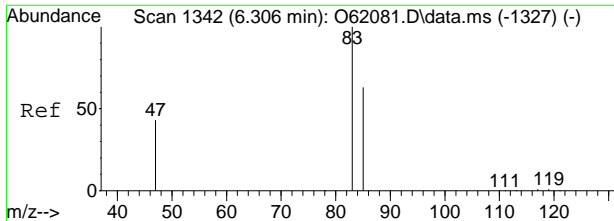


#5
 Methylene Chloride
 Concen: 1.37 ug/L
 RT: 3.712 min Scan# 388
 Delta R.T. 0.000 min
 Lab File: N0132362.D
 Acq: 29 Aug 2024 2:44 pm

Tgt Ion	Resp	Lower	Upper
49	2734		
84	49.6	20.0	80.0
86	32.9	0.4	60.4
51	0.0	0.0	30.0

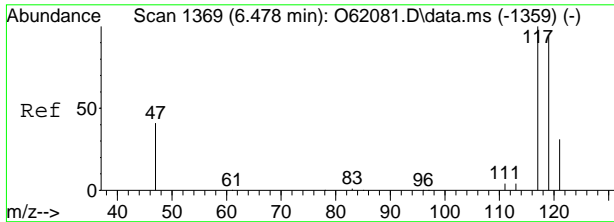
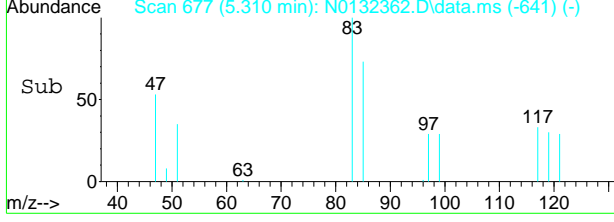
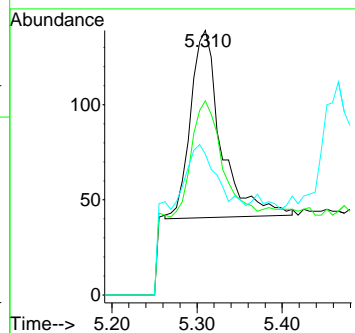
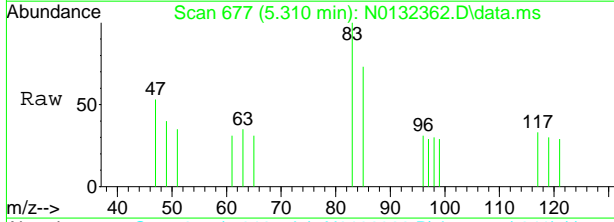


7.16
7



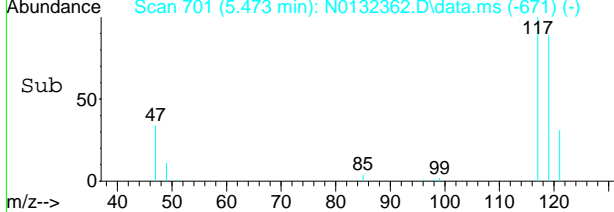
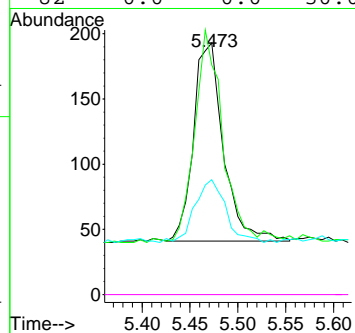
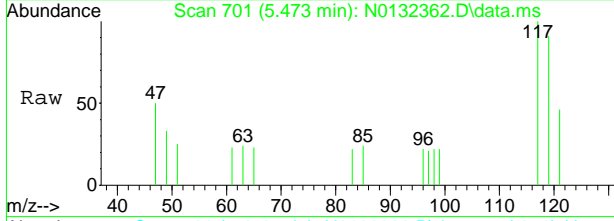
#9
 Chloroform
 Concen: 0.15 ug/L m
 RT: 5.310 min Scan# 677
 Delta R.T. 0.007 min
 Lab File: N0132362.D
 Acq: 29 Aug 2024 2:44 pm

Tgt Ion	Resp	Lower	Upper
83	246		
85	73.4	36.3	96.3
47	53.2	2.6	62.6



#10
 Carbon Tetrachloride
 Concen: 0.52 ug/L
 RT: 5.473 min Scan# 701
 Delta R.T. 0.007 min
 Lab File: N0132362.D
 Acq: 29 Aug 2024 2:44 pm

Tgt Ion	Resp	Lower	Upper
117	332		
117	100		
119	88.8	67.0	127.0
121	30.3	0.5	60.5
82	0.0	0.0	30.0



7.1.6
7

Manual Integration Approval Summary

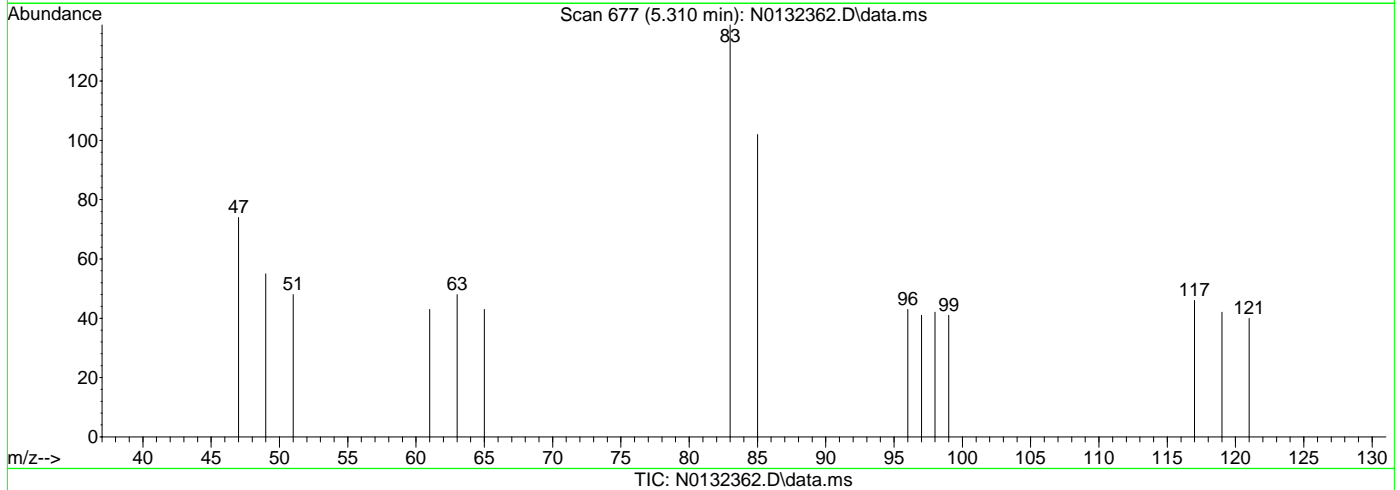
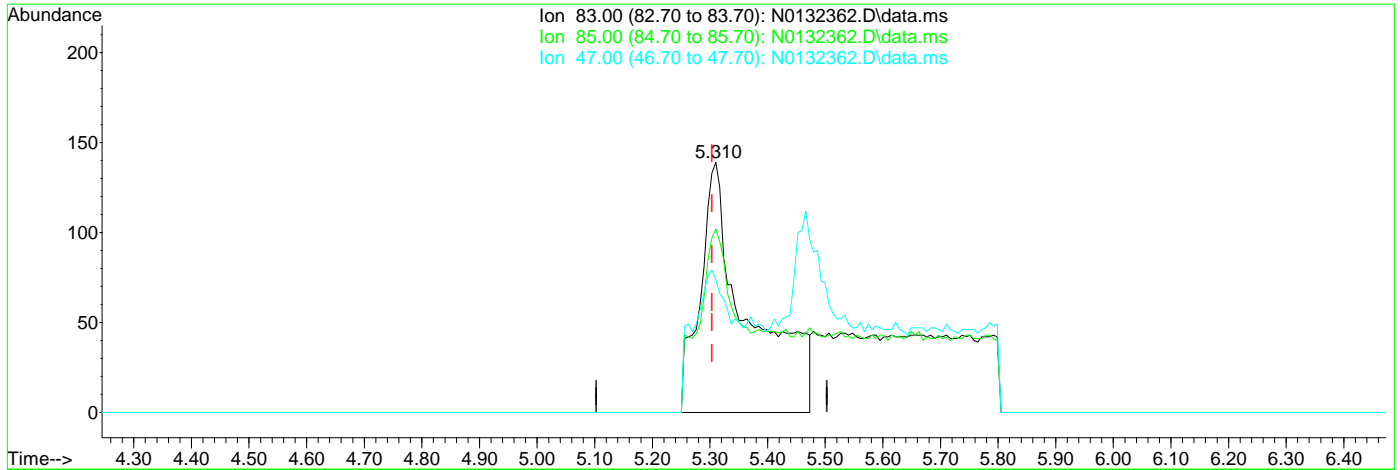
Sample Number: FC18341-6 **Method:** SW846 8260D BY SIM
Lab FileID: N0132362.D **Analyst approved:** 08/30/24 12:06 Jenifer Willis
Injection Time: 08/29/24 14:44 **Supervisor approved:** 08/30/24 13:18 Karen Watson

Parameter	CAS	Sig#	R.T. (min.)	Reason
Chloroform	67-66-3		5.31	Poorly defined baseline

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\08-29-24\
 Data File : N0132362.D
 Acq On : 29 Aug 2024 2:44 pm
 Operator : jeniferw
 Sample : FC18341-6
 Misc : MS57382,VN6711,,,,,
 ALS Vial : 21 Sample Multiplier: 1

Quant Time: Aug 30 06:42:12 2024
 Quant Method : C:\msdchem\1\methods\SIMCL_VN6705_082024.M
 Quant Title : Standard Methods 6200B
 QLast Update : Tue Aug 20 14:01:28 2024
 Response via : Initial Calibration



(9) Chloroform

5.310min (+0.007) 0.49ug/L

response 799

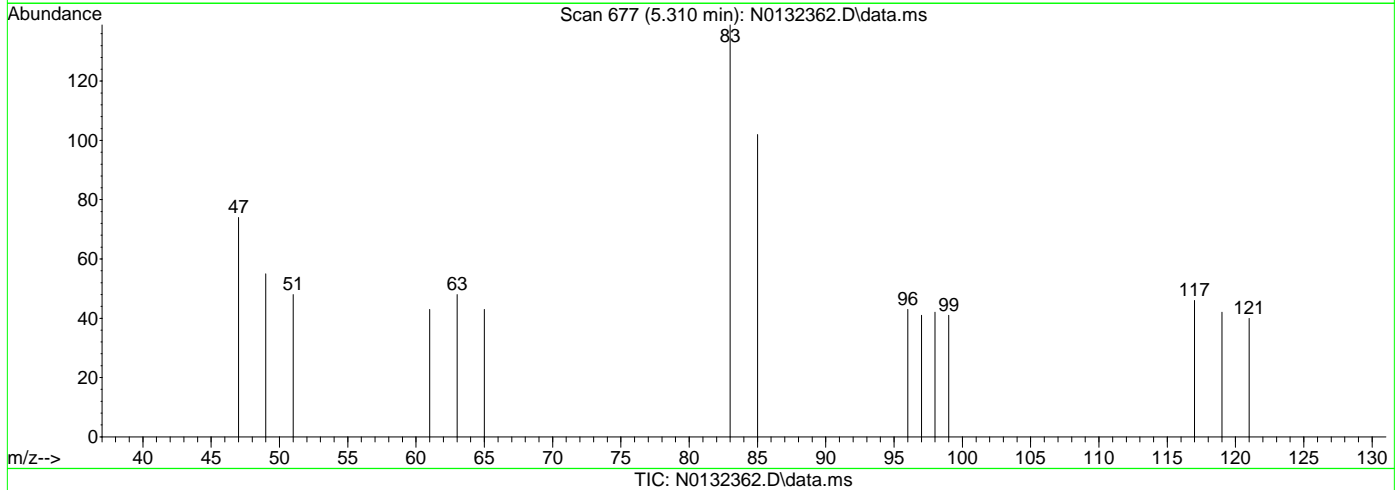
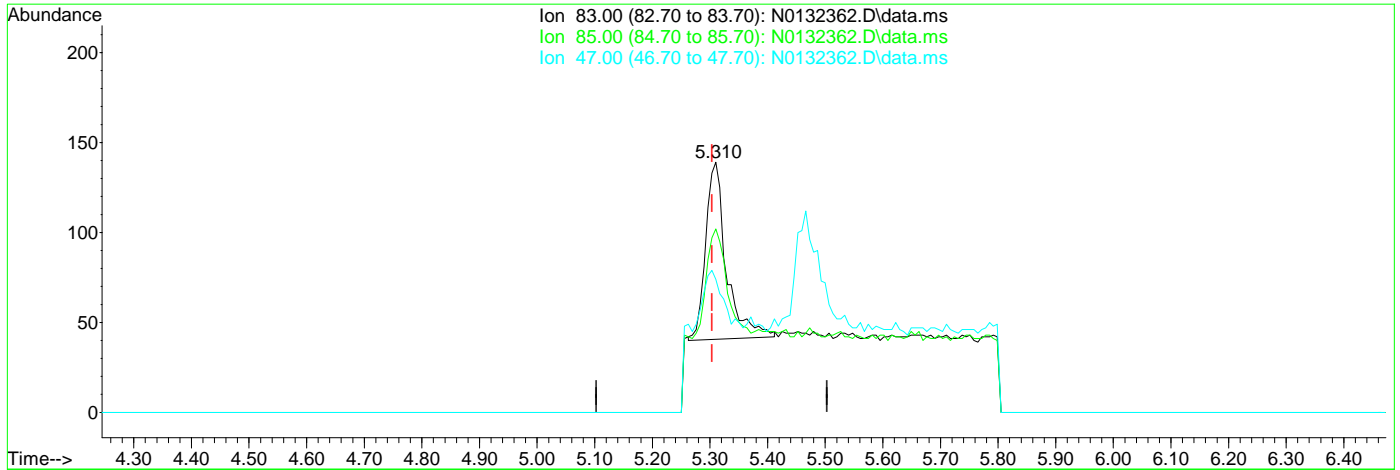
Ion	Exp%	Act%
83.00	100	100
85.00	66.30	73.38
47.00	32.60	53.24
0.00	0.00	0.00

7.1.6.2
7

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\08-29-24\
 Data File : N0132362.D
 Acq On : 29 Aug 2024 2:44 pm
 Operator : jeniferw
 Sample : FC18341-6
 Misc : MS57382,VN6711,,,,,
 ALS Vial : 21 Sample Multiplier: 1

Quant Time: Aug 30 06:42:12 2024
 Quant Method : C:\msdchem\1\methods\SIMCL_VN6705_082024.M
 Quant Title : Standard Methods 6200B
 QLast Update : Tue Aug 20 14:01:28 2024
 Response via : Initial Calibration



(9) Chloroform
 5.310min (+0.007) 0.15ug/L m

response 246

Ion	Exp%	Act%
83.00	100	100
85.00	66.30	73.38
47.00	32.60	53.24
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\08-29-24\
 Data File : N0132363.D
 Acq On : 29 Aug 2024 3:07 pm
 Operator : jeniferw
 Sample : FC18341-7
 Misc : MS57382,VN6711,,,,,
 ALS Vial : 22 Sample Multiplier: 1

Quant Time: Aug 30 11:59:13 2024
 Quant Method : C:\msdchem\1\methods\SIMCL_VN6705_082024.M
 Quant Title : Standard Methods 6200B
 QLast Update : Tue Aug 20 14:01:28 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	Qvalue

Internal Standards							
1) Fluorobenzene	6.341	96	42911	5.00	ug/L	0.00	
18) Chlorobenzene-d5	9.519	117	27312	5.00	ug/L	0.00	
System Monitoring Compounds							
13) 1,2-Dichloroethane-d4	6.045	65	21301	5.77	ug/L	0.00	
Spiked Amount	5.000	Range 74 - 125	Recovery	=	115.40%		
19) Toluene-d8	7.951	98	31263	5.19	ug/L	0.00	
Spiked Amount	5.000	Range 88 - 111	Recovery	=	103.80%		
Target Compounds							
3) Chloromethane	1.982	50	238	0.19	ug/L	97	
5) Methylene Chloride	3.718	49	2587	1.30	ug/L	87	
9) Chloroform	5.303	83	432m	0.27	ug/L		
10) Carbon Tetrachloride	5.466	117	596	0.93	ug/L	92	

(#) = qualifier out of range (m) = manual integration (+) = signals summed

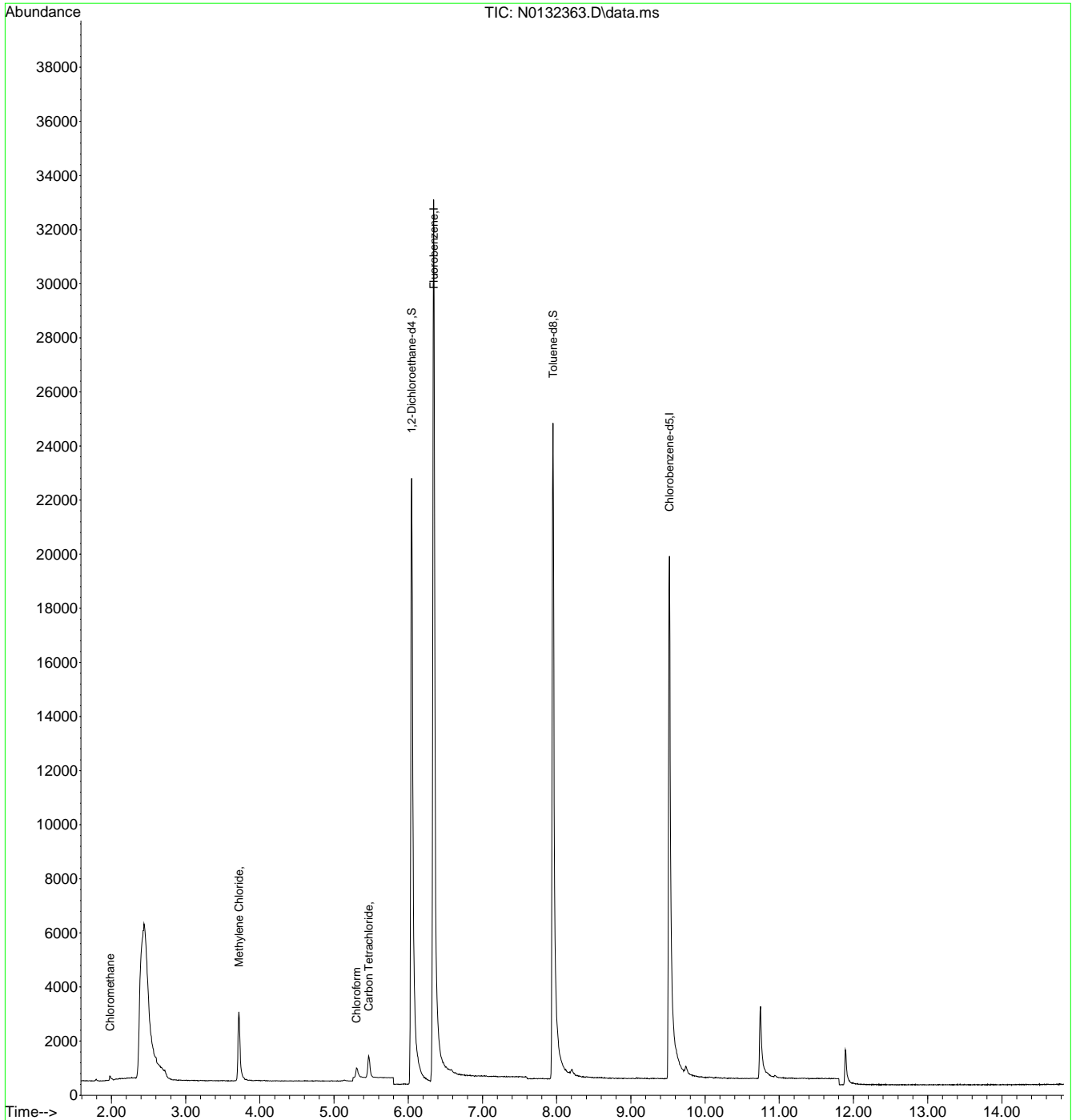
7.17
7



Quantitation Report (QT Reviewed)

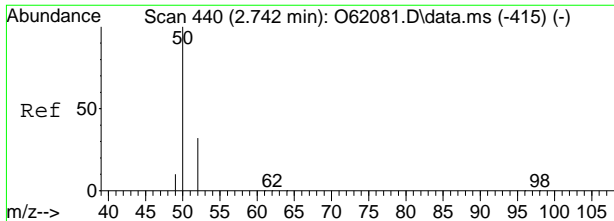
Data Path : C:\msdchem\1\data\08-29-24\
 Data File : N0132363.D
 Acq On : 29 Aug 2024 3:07 pm
 Operator : jeniferw
 Sample : FC18341-7
 Misc : MS57382,VN6711,,,,,
 ALS Vial : 22 Sample Multiplier: 1

Quant Time: Aug 30 11:59:13 2024
 Quant Method : C:\msdchem\1\methods\SIMCL_VN6705_082024.M
 Quant Title : Standard Methods 6200B
 QLast Update : Tue Aug 20 14:01:28 2024
 Response via : Initial Calibration



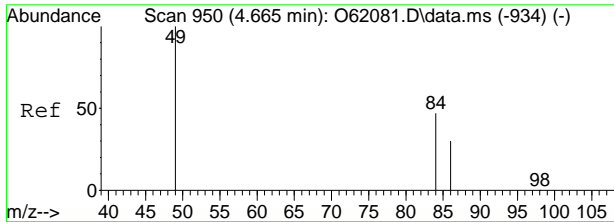
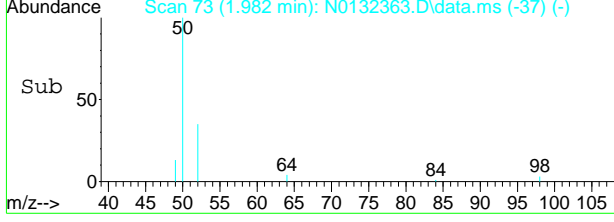
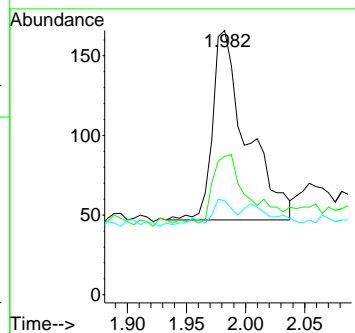
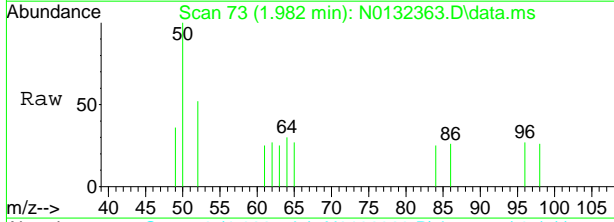
7.1.7
7





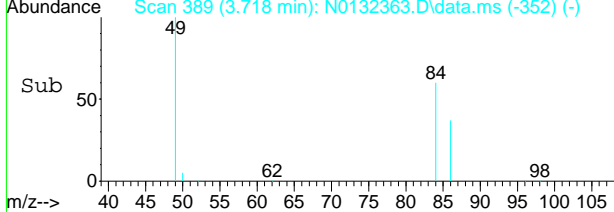
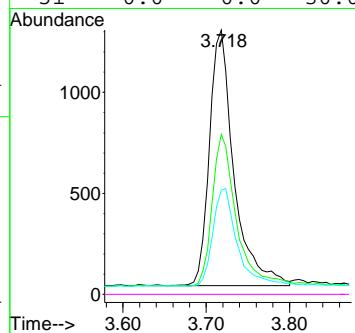
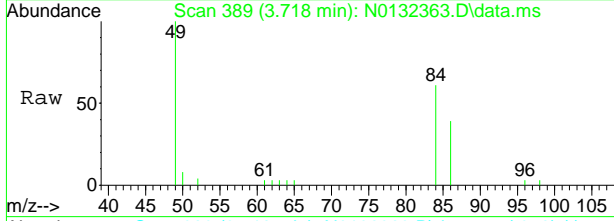
#3
 Chloromethane
 Concen: 0.19 ug/L
 RT: 1.982 min Scan# 73
 Delta R.T. 0.000 min
 Lab File: N0132363.D
 Acq: 29 Aug 2024 3:07 pm

Tgt Ion	Resp	Lower	Upper
50	238		
52	33.6	2.1	62.1
49	11.8	0.0	39.6

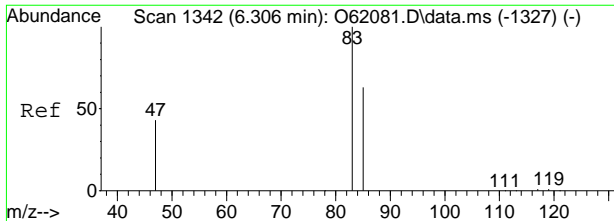


#5
 Methylene Chloride
 Concen: 1.30 ug/L
 RT: 3.718 min Scan# 389
 Delta R.T. 0.006 min
 Lab File: N0132363.D
 Acq: 29 Aug 2024 3:07 pm

Tgt Ion	Resp	Lower	Upper
49	2587		
84	59.4	20.0	80.0
86	37.5	0.4	60.4
51	0.0	0.0	30.0

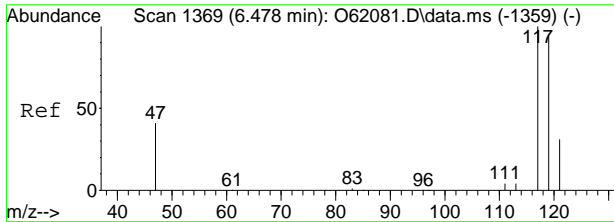
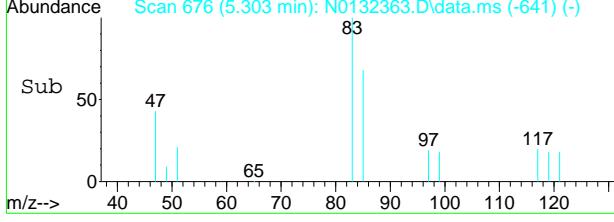
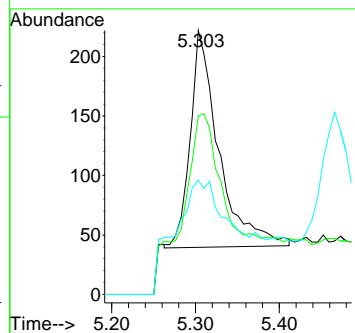
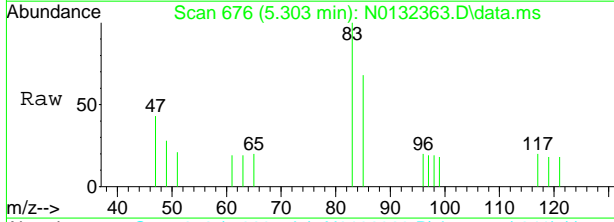


7.17
7



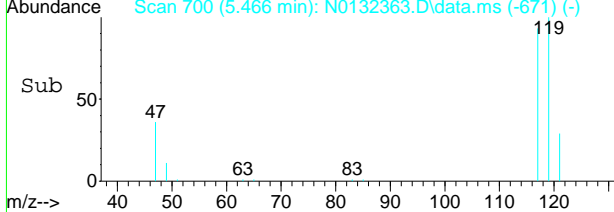
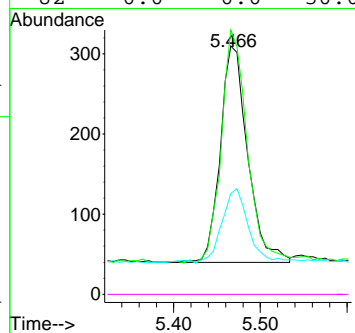
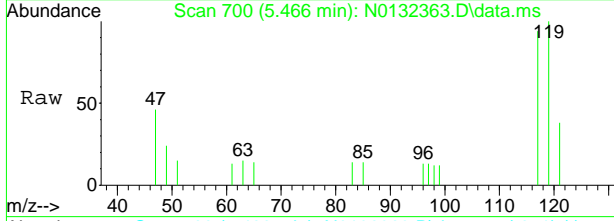
#9
 Chloroform
 Concen: 0.27 ug/L m
 RT: 5.303 min Scan# 676
 Delta R.T. 0.000 min
 Lab File: N0132363.D
 Acq: 29 Aug 2024 3:07 pm

Tgt Ion	Resp	Lower	Upper
83	432		
85	67.6	36.3	96.3
47	43.2	2.6	62.6



#10
 Carbon Tetrachloride
 Concen: 0.93 ug/L
 RT: 5.466 min Scan# 700
 Delta R.T. 0.000 min
 Lab File: N0132363.D
 Acq: 29 Aug 2024 3:07 pm

Tgt Ion	Resp	Lower	Upper
117	596		
119	107.0	67.0	127.0
121	31.9	0.5	60.5
82	0.0	0.0	30.0



7.17
7

Manual Integration Approval Summary

Sample Number: FC18341-7 **Method:** SW846 8260D BY SIM
Lab FileID: N0132363.D **Analyst approved:** 08/30/24 12:06 Jenifer Willis
Injection Time: 08/29/24 15:07 **Supervisor approved:** 08/30/24 13:18 Karen Watson

Parameter	CAS	Sig#	R.T. (min.)	Reason
Chloroform	67-66-3		5.30	Poorly defined baseline

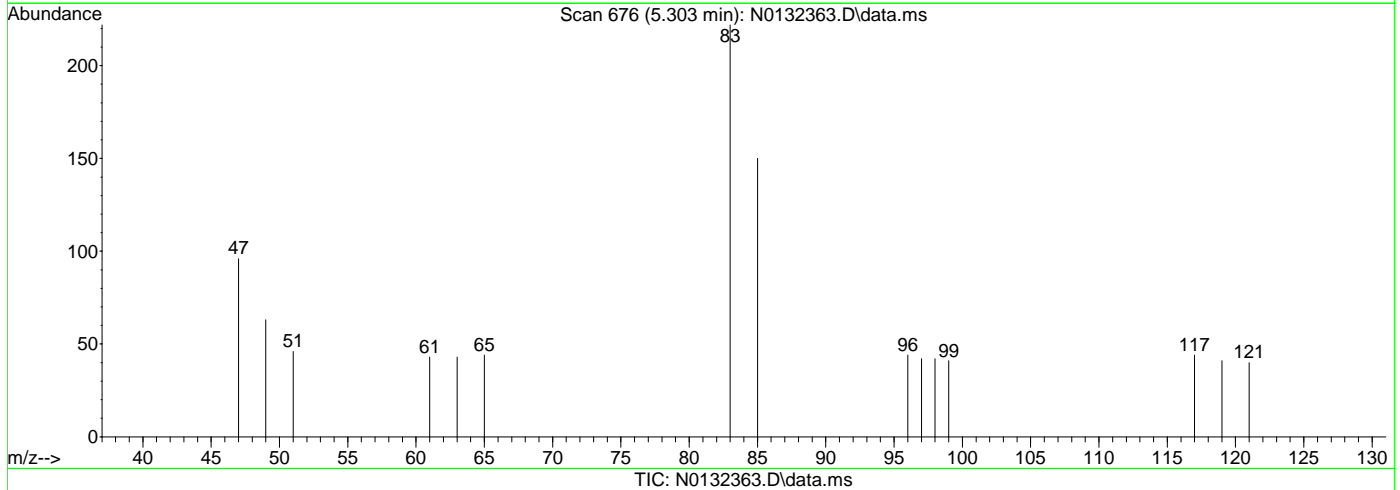
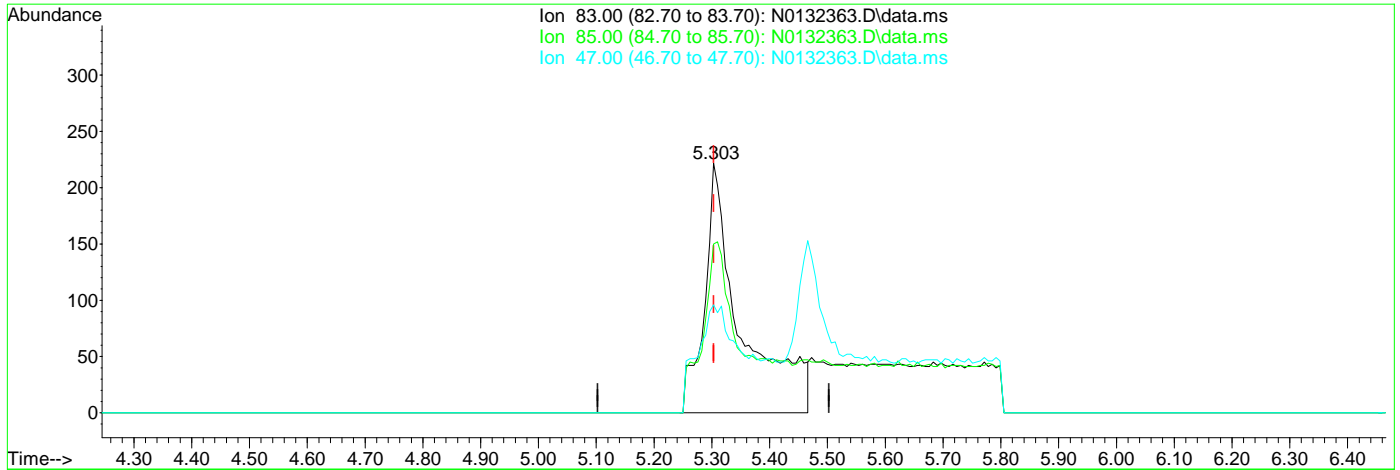
7.1.7.1

7

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\08-29-24\
 Data File : N0132363.D
 Acq On : 29 Aug 2024 3:07 pm
 Operator : jeniferw
 Sample : FC18341-7
 Misc : MS57382,VN6711,,,,,
 ALS Vial : 22 Sample Multiplier: 1

Quant Time: Aug 30 06:42:14 2024
 Quant Method : C:\msdchem\1\methods\SIMCL_VN6705_082024.M
 Quant Title : Standard Methods 6200B
 QLast Update : Tue Aug 20 14:01:28 2024
 Response via : Initial Calibration



(9) Chloroform
 5.303min (+0.000) 0.60ug/L
 response 962

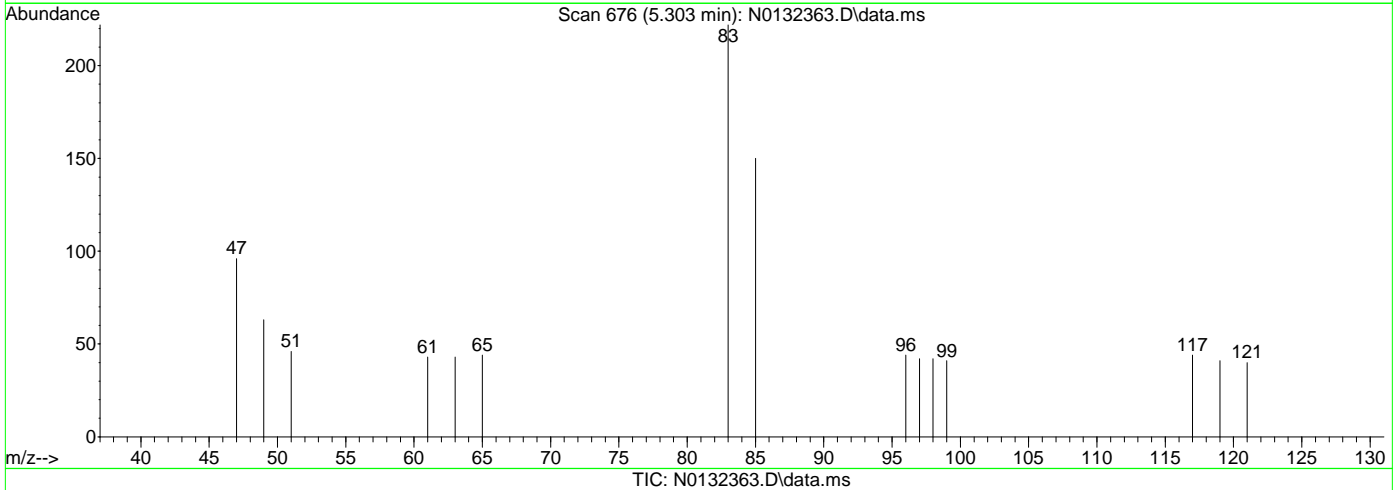
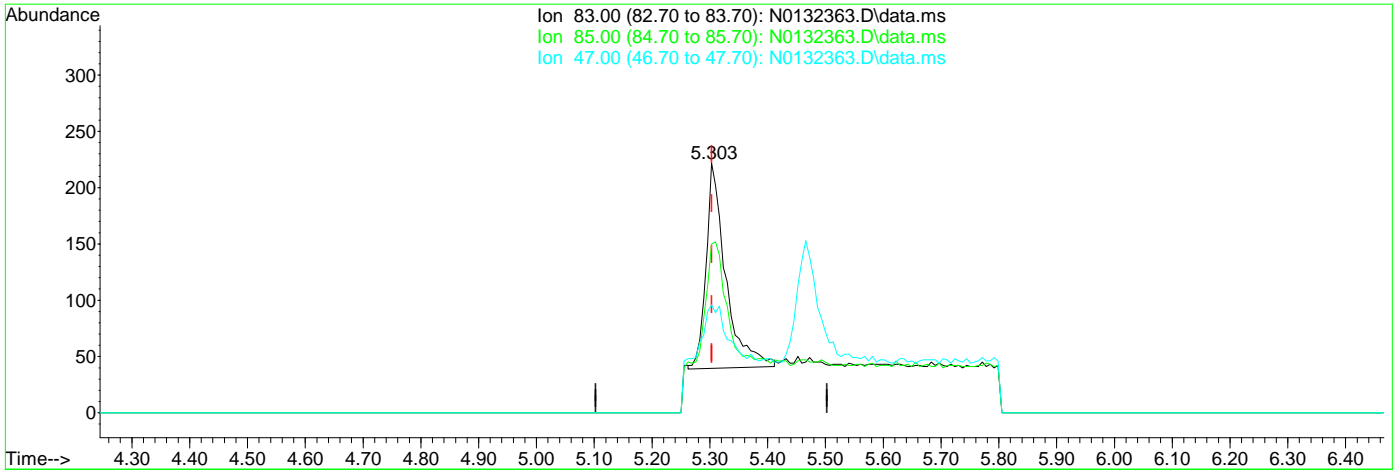
Ion	Exp%	Act%
83.00	100	100
85.00	66.30	67.57
47.00	32.60	43.24
0.00	0.00	0.00

7.1.7.2
7

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\08-29-24\
 Data File : N0132363.D
 Acq On : 29 Aug 2024 3:07 pm
 Operator : jeniferw
 Sample : FC18341-7
 Misc : MS57382,VN6711,,,,,
 ALS Vial : 22 Sample Multiplier: 1

Quant Time: Aug 30 06:42:14 2024
 Quant Method : C:\msdchem\1\methods\SIMCL_VN6705_082024.M
 Quant Title : Standard Methods 6200B
 QLast Update : Tue Aug 20 14:01:28 2024
 Response via : Initial Calibration



(9) Chloroform

5.303min (+0.000) 0.27ug/L m

response 432

Ion	Exp%	Act%
83.00	100	100
85.00	66.30	67.57
47.00	32.60	43.24
0.00	0.00	0.00

7.1.7.3
7

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\08-29-24\
 Data File : N0132364.D
 Acq On : 29 Aug 2024 3:31 pm
 Operator : jeniferw
 Sample : FC18341-8
 Misc : MS57382,VN6711,,,,,
 ALS Vial : 23 Sample Multiplier: 1

Quant Time: Aug 30 11:59:28 2024
 Quant Method : C:\msdchem\1\methods\SIMCL_VN6705_082024.M
 Quant Title : Standard Methods 6200B
 QLast Update : Tue Aug 20 14:01:28 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	Qvalue

Internal Standards							
1) Fluorobenzene	6.341	96	42825	5.00	ug/L	0.00	
18) Chlorobenzene-d5	9.519	117	27362	5.00	ug/L	0.00	
System Monitoring Compounds							
13) 1,2-Dichloroethane-d4	6.045	65	21138	5.74	ug/L	0.00	
Spiked Amount	5.000	Range 74 - 125	Recovery	=	114.80%		
19) Toluene-d8	7.951	98	31101	5.15	ug/L	0.00	
Spiked Amount	5.000	Range 88 - 111	Recovery	=	103.00%		
Target Compounds							
3) Chloromethane	1.982	50	229	0.18	ug/L		94
5) Methylene Chloride	3.718	49	2583	1.30	ug/L		86
9) Chloroform	5.303	83	457m	0.28	ug/L		
10) Carbon Tetrachloride	5.466	117	594	0.93	ug/L		93

(#) = qualifier out of range (m) = manual integration (+) = signals summed

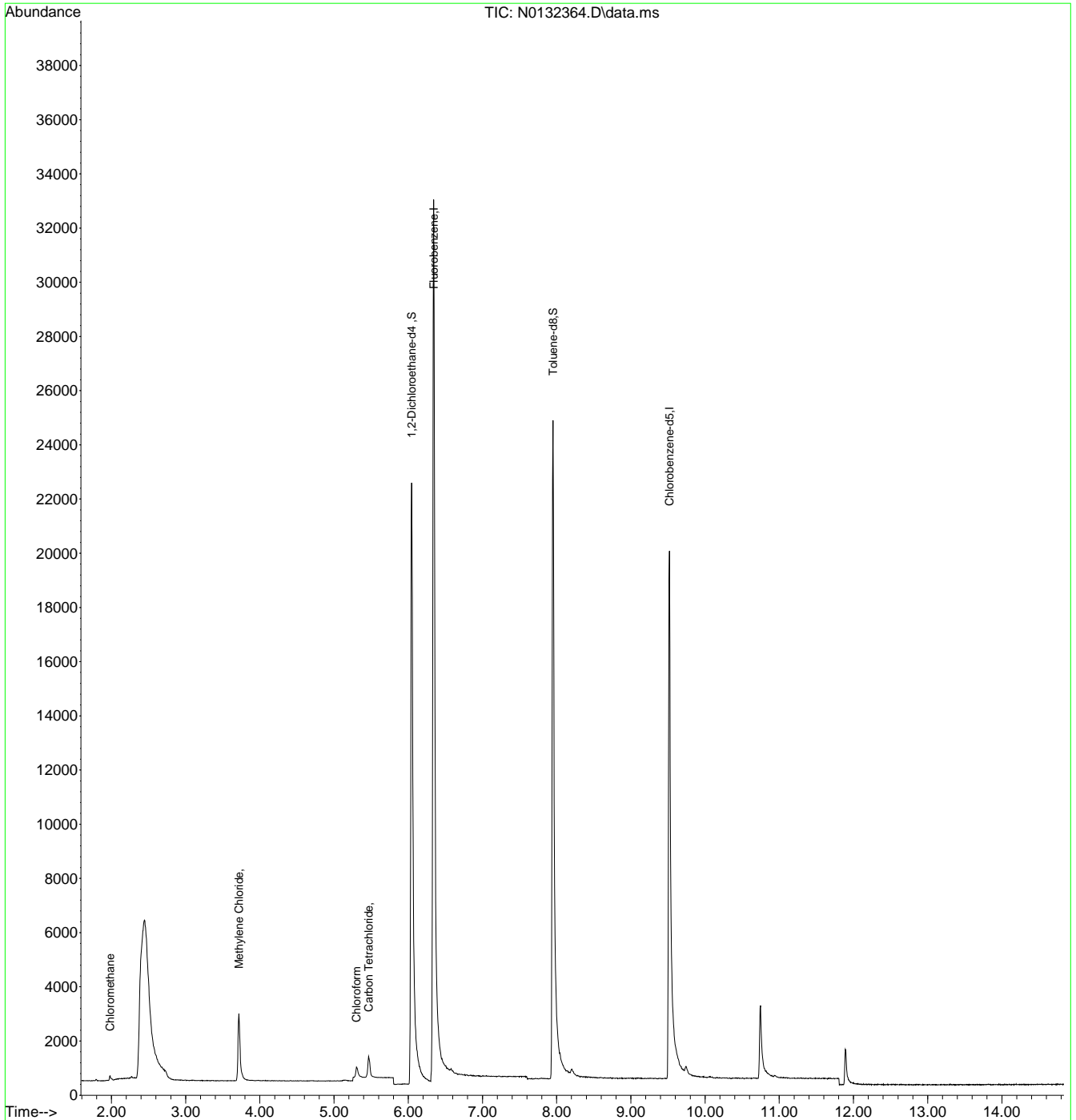
7.1.8
7

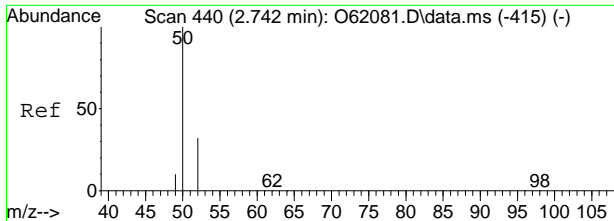


Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\08-29-24\
Data File : N0132364.D
Acq On : 29 Aug 2024 3:31 pm
Operator : jeniferw
Sample : FC18341-8
Misc : MS57382,VN6711,,,,,
ALS Vial : 23 Sample Multiplier: 1

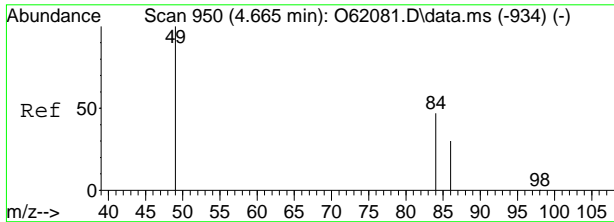
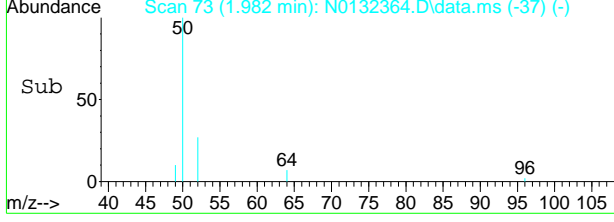
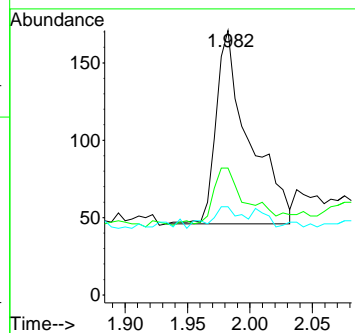
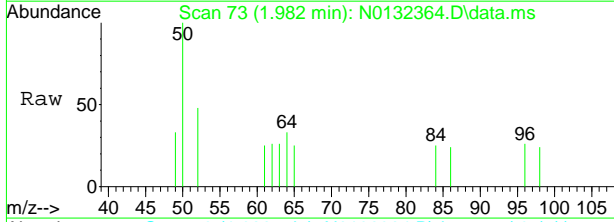
Quant Time: Aug 30 11:59:28 2024
Quant Method : C:\msdchem\1\methods\SIMCL_VN6705_082024.M
Quant Title : Standard Methods 6200B
QLast Update : Tue Aug 20 14:01:28 2024
Response via : Initial Calibration





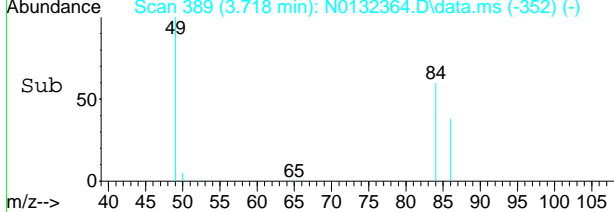
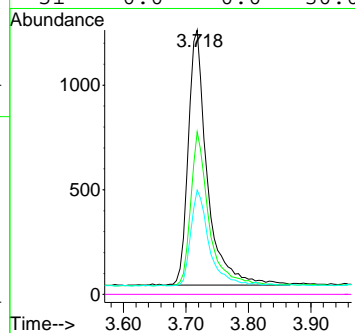
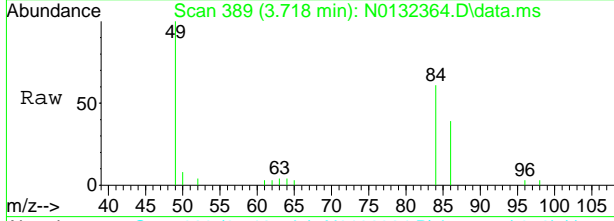
#3
 Chloromethane
 Concen: 0.18 ug/L
 RT: 1.982 min Scan# 73
 Delta R.T. 0.000 min
 Lab File: N0132364.D
 Acq: 29 Aug 2024 3:31 pm

Tgt Ion	Resp	Lower	Upper
50	229		
52	28.8	2.1	62.1
49	8.0	0.0	39.6



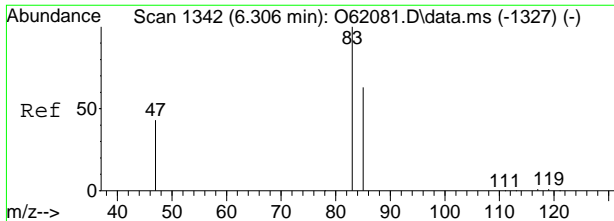
#5
 Methylene Chloride
 Concen: 1.30 ug/L
 RT: 3.718 min Scan# 389
 Delta R.T. 0.006 min
 Lab File: N0132364.D
 Acq: 29 Aug 2024 3:31 pm

Tgt Ion	Resp	Lower	Upper
49	2583		
84	60.2	20.0	80.0
86	37.5	0.4	60.4
51	0.0	0.0	30.0



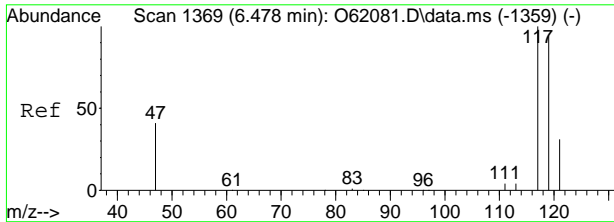
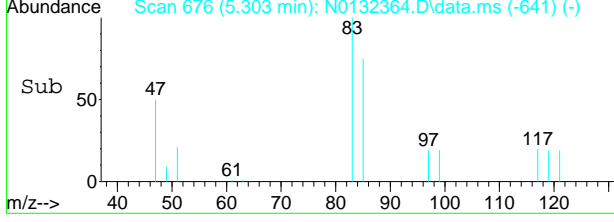
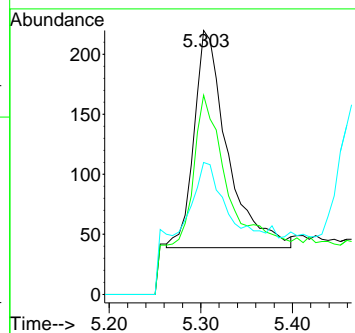
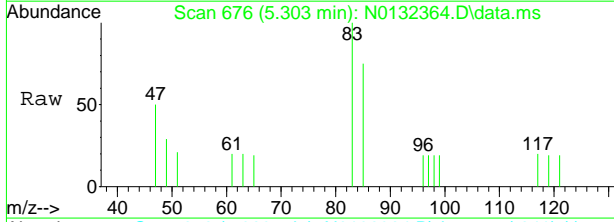
7.18
7





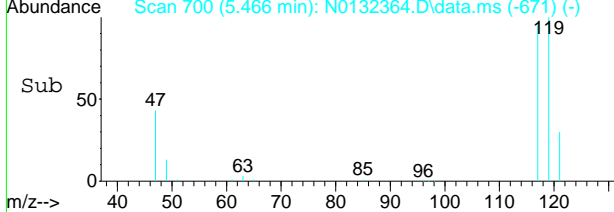
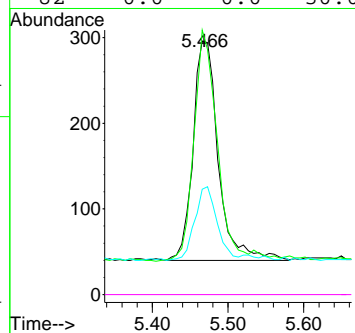
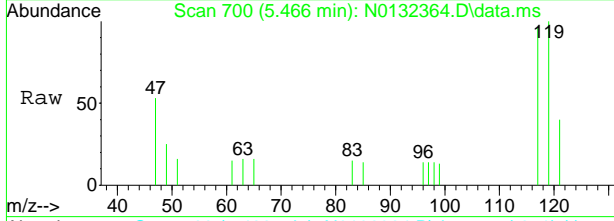
#9
 Chloroform
 Concen: 0.28 ug/L m
 RT: 5.303 min Scan# 676
 Delta R.T. 0.000 min
 Lab File: N0132364.D
 Acq: 29 Aug 2024 3:31 pm

Tgt Ion	Resp	Lower	Upper
83	100		
85	75.5	36.3	96.3
47	50.0	2.6	62.6



#10
 Carbon Tetrachloride
 Concen: 0.93 ug/L
 RT: 5.466 min Scan# 700
 Delta R.T. 0.000 min
 Lab File: N0132364.D
 Acq: 29 Aug 2024 3:31 pm

Tgt Ion	Resp	Lower	Upper
117	100		
119	104.7	67.0	127.0
121	32.4	0.5	60.5
82	0.0	0.0	30.0



7.1.8
7

Manual Integration Approval Summary

Sample Number: FC18341-8 **Method:** SW846 8260D BY SIM
Lab FileID: N0132364.D **Analyst approved:** 08/30/24 12:06 Jenifer Willis
Injection Time: 08/29/24 15:31 **Supervisor approved:** 08/30/24 13:18 Karen Watson

Parameter	CAS	Sig#	R.T. (min.)	Reason
Chloroform	67-66-3		5.30	Poorly defined baseline

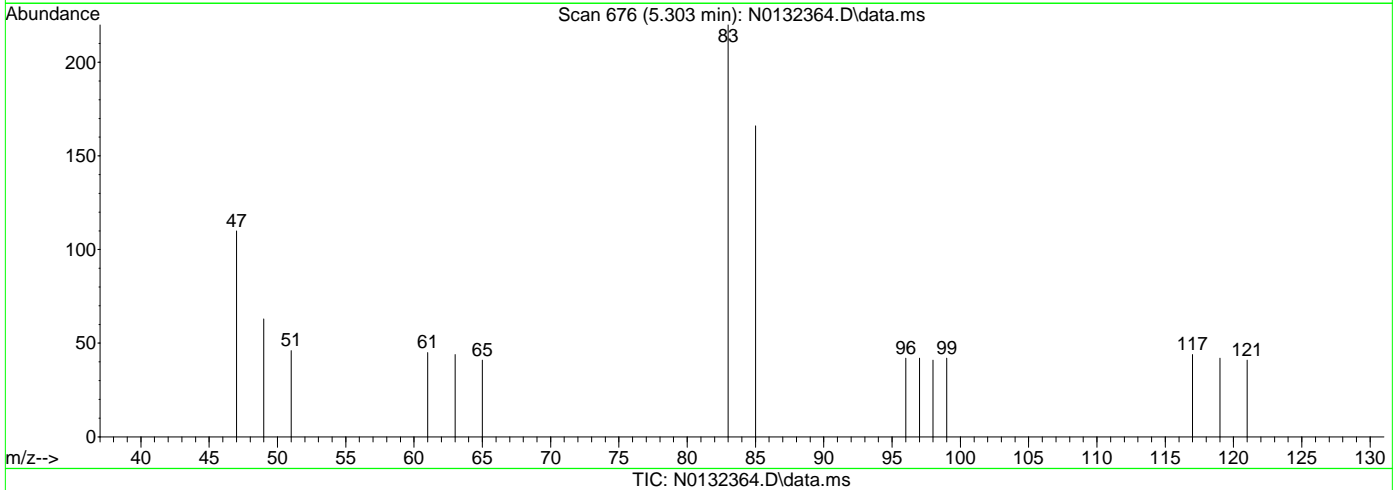
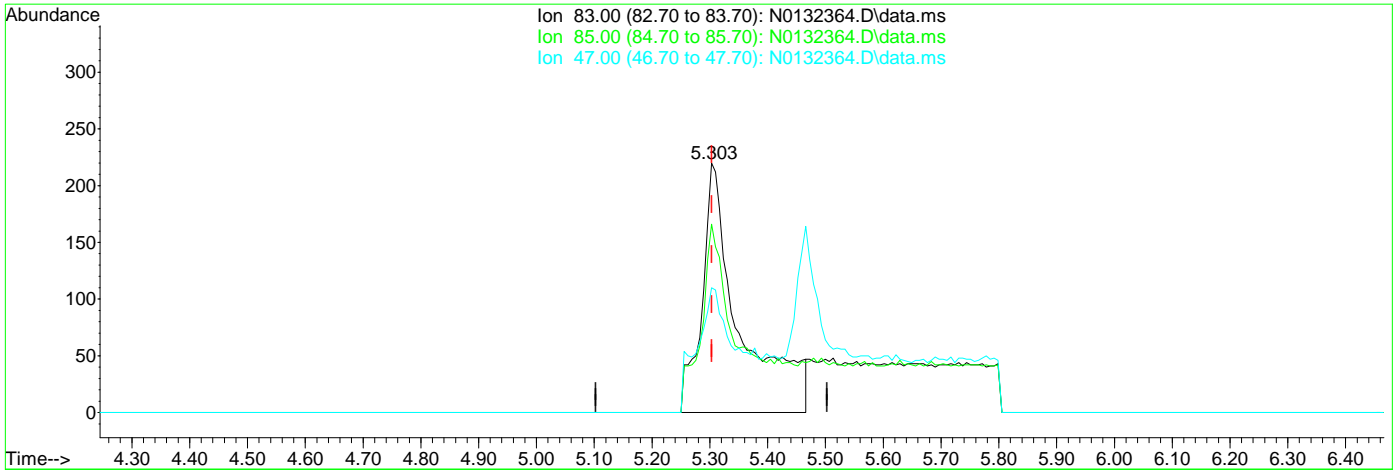
7.1.8.1

7

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\08-29-24\
 Data File : N0132364.D
 Acq On : 29 Aug 2024 3:31 pm
 Operator : jeniferw
 Sample : FC18341-8
 Misc : MS57382,VN6711,,,,,
 ALS Vial : 23 Sample Multiplier: 1

Quant Time: Aug 30 06:42:16 2024
 Quant Method : C:\msdchem\1\methods\SIMCL_VN6705_082024.M
 Quant Title : Standard Methods 6200B
 QLast Update : Tue Aug 20 14:01:28 2024
 Response via : Initial Calibration



(9) Chloroform

5.303min (+0.000) 0.61ug/L

response 987

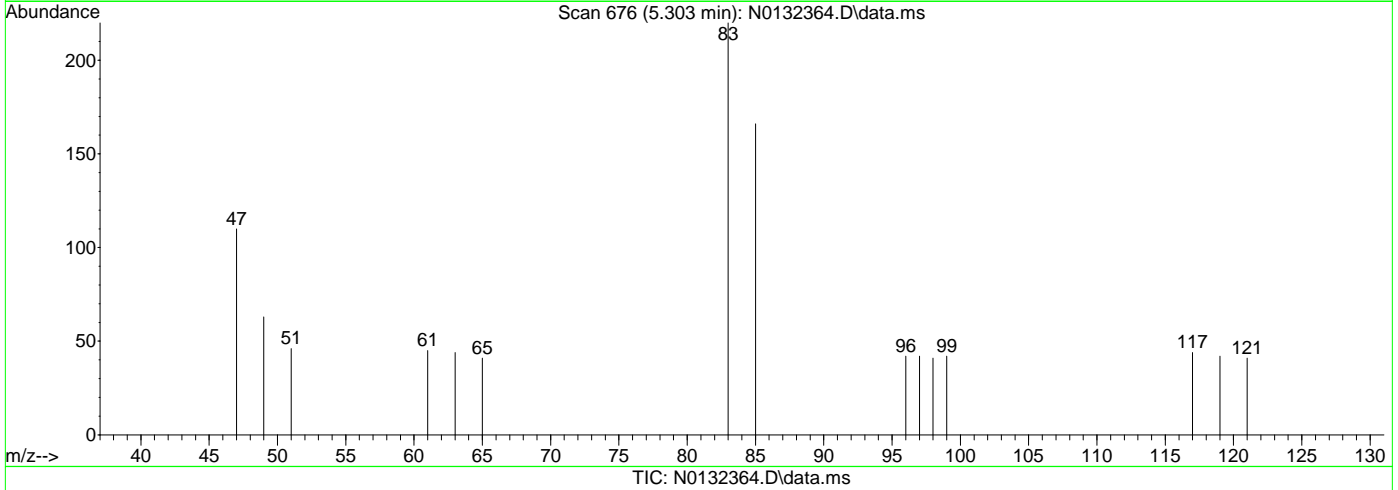
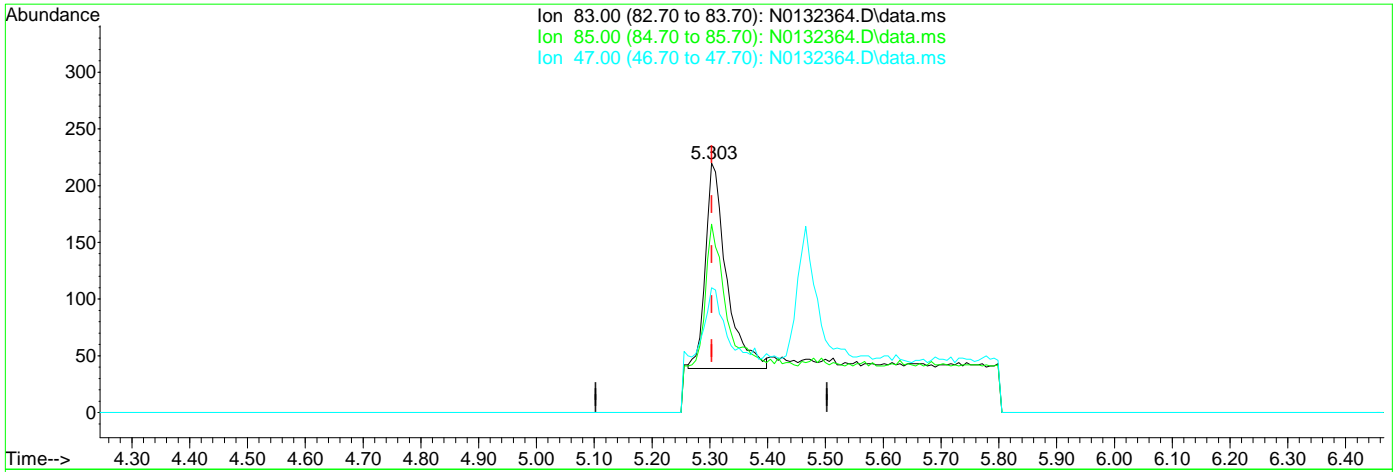
Ion	Exp%	Act%
83.00	100	100
85.00	66.30	75.45
47.00	32.60	50.00
0.00	0.00	0.00

7.1.8.2
7

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\08-29-24\
 Data File : N0132364.D
 Acq On : 29 Aug 2024 3:31 pm
 Operator : jeniferw
 Sample : FC18341-8
 Misc : MS57382,VN6711,,,,,
 ALS Vial : 23 Sample Multiplier: 1

Quant Time: Aug 30 06:42:16 2024
 Quant Method : C:\msdchem\1\methods\SIMCL_VN6705_082024.M
 Quant Title : Standard Methods 6200B
 QLast Update : Tue Aug 20 14:01:28 2024
 Response via : Initial Calibration



(9) Chloroform
 5.303min (+0.000) 0.28ug/L m
 response 457

Ion	Exp%	Act%
83.00	100	100
85.00	66.30	75.45
47.00	32.60	50.00
0.00	0.00	0.00

7.1.8.3
7

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\08-29-24\
 Data File : N0132365.D
 Acq On : 29 Aug 2024 3:54 pm
 Operator : jeniferw
 Sample : FC18341-9
 Misc : MS57382,VN6711,,,,,
 ALS Vial : 24 Sample Multiplier: 1

Quant Time: Aug 30 11:59:46 2024
 Quant Method : C:\msdchem\1\methods\SIMCL_VN6705_082024.M
 Quant Title : Standard Methods 6200B
 QLast Update : Tue Aug 20 14:01:28 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	Qvalue

Internal Standards							
1) Fluorobenzene	6.341	96	43742	5.00	ug/L	0.00	
18) Chlorobenzene-d5	9.519	117	28149	5.00	ug/L	0.00	
System Monitoring Compounds							
13) 1,2-Dichloroethane-d4	6.045	65	21469	5.71	ug/L	0.00	
Spiked Amount	5.000	Range 74 - 125	Recovery	=	114.20%		
19) Toluene-d8	7.951	98	31898	5.13	ug/L	0.00	
Spiked Amount	5.000	Range 88 - 111	Recovery	=	102.60%		
Target Compounds							
3) Chloromethane	1.982	50	386	0.30	ug/L	97	
5) Methylene Chloride	3.718	49	2585	1.28	ug/L	88	
9) Chloroform	5.310	83	572m	0.35	ug/L		
10) Carbon Tetrachloride	5.466	117	443	0.68	ug/L	95	

(#) = qualifier out of range (m) = manual integration (+) = signals summed

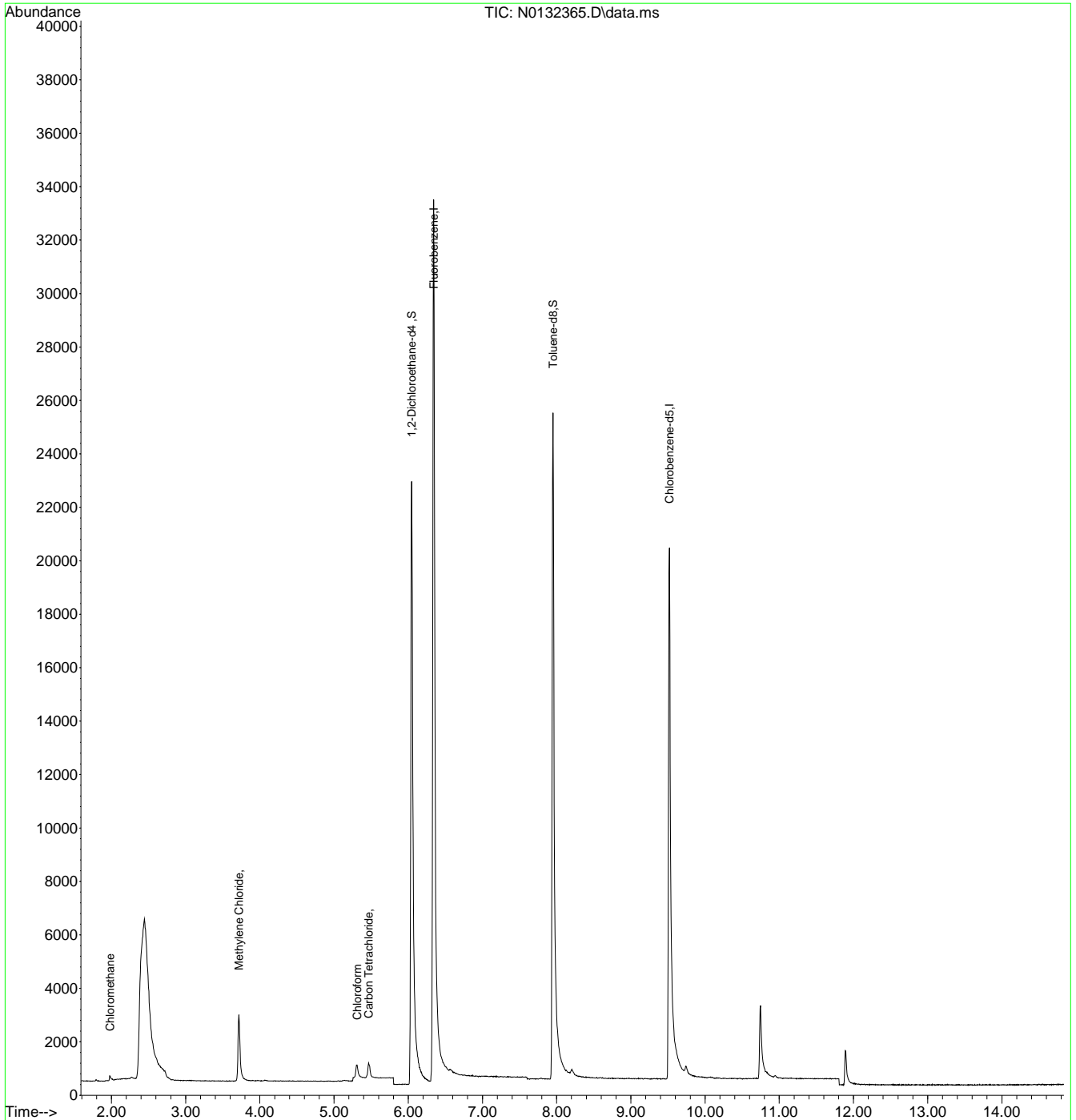
7.1.9
7



Quantitation Report (QT Reviewed)

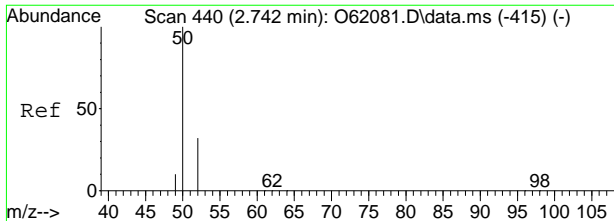
Data Path : C:\msdchem\1\data\08-29-24\
 Data File : N0132365.D
 Acq On : 29 Aug 2024 3:54 pm
 Operator : jeniferw
 Sample : FC18341-9
 Misc : MS57382,VN6711,,,,,
 ALS Vial : 24 Sample Multiplier: 1

Quant Time: Aug 30 11:59:46 2024
 Quant Method : C:\msdchem\1\methods\SIMCL_VN6705_082024.M
 Quant Title : Standard Methods 6200B
 QLast Update : Tue Aug 20 14:01:28 2024
 Response via : Initial Calibration



7.1.9
7

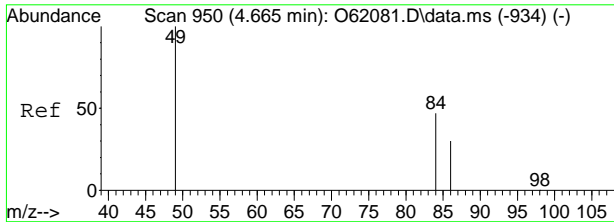
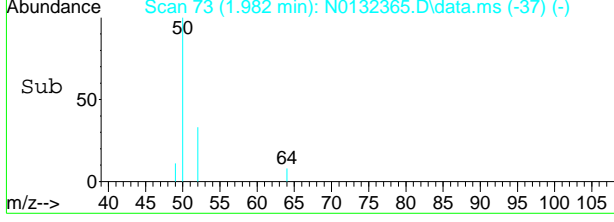
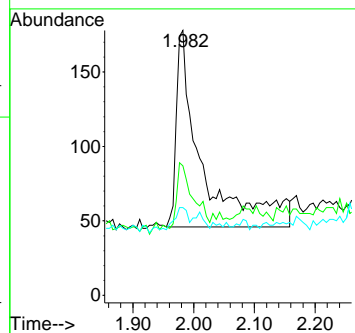
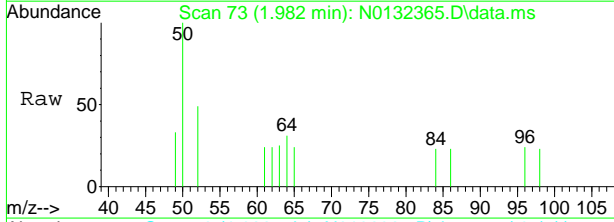




#3
 Chloromethane
 Concen: 0.30 ug/L
 RT: 1.982 min Scan# 73
 Delta R.T. 0.000 min
 Lab File: N0132365.D
 Acq: 29 Aug 2024 3:54 pm

Tgt Ion: 50 Resp: 386

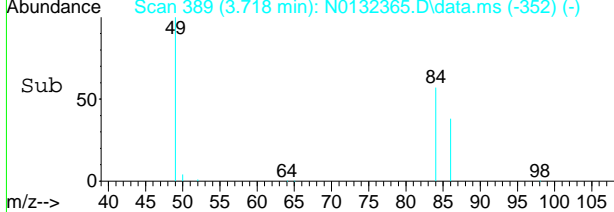
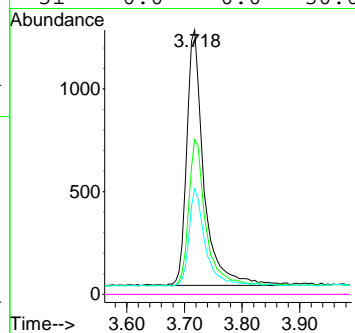
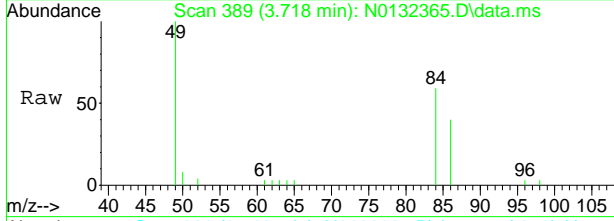
Ion	Ratio	Lower	Upper
50	100		
52	31.1	2.1	62.1
49	11.4	0.0	39.6



#5
 Methylene Chloride
 Concen: 1.28 ug/L
 RT: 3.718 min Scan# 389
 Delta R.T. 0.006 min
 Lab File: N0132365.D
 Acq: 29 Aug 2024 3:54 pm

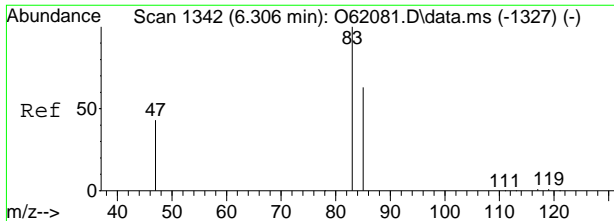
Tgt Ion: 49 Resp: 2585

Ion	Ratio	Lower	Upper
49	100		
84	57.3	20.0	80.0
86	37.9	0.4	60.4
51	0.0	0.0	30.0



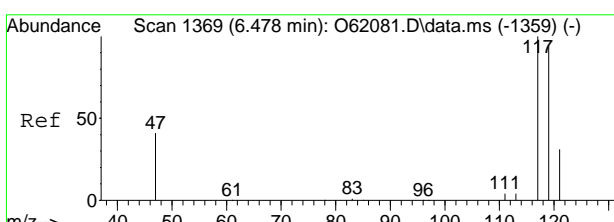
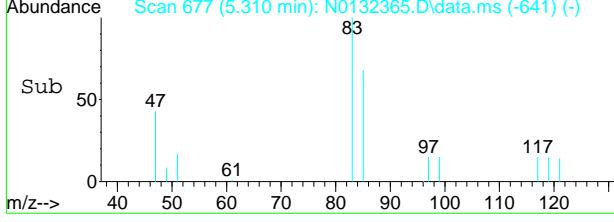
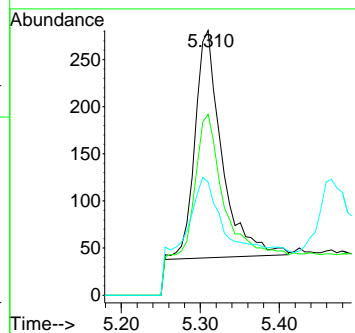
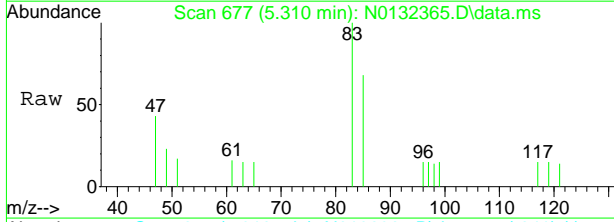
7.19
7





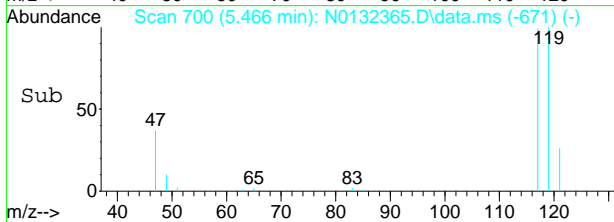
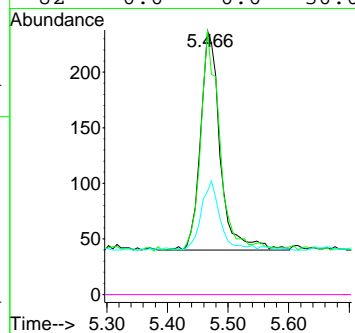
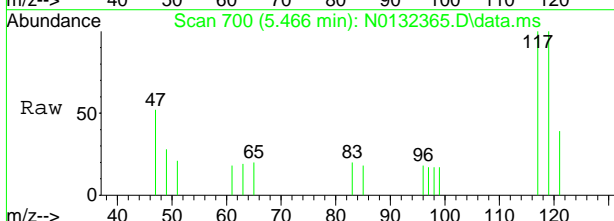
#9
 Chloroform
 Concen: 0.35 ug/L m
 RT: 5.310 min Scan# 677
 Delta R.T. 0.007 min
 Lab File: N0132365.D
 Acq: 29 Aug 2024 3:54 pm

Tgt Ion	Resp	Lower	Upper
83	572		
85	68.3	36.3	96.3
47	42.7	2.6	62.6



#10
 Carbon Tetrachloride
 Concen: 0.68 ug/L
 RT: 5.466 min Scan# 700
 Delta R.T. 0.000 min
 Lab File: N0132365.D
 Acq: 29 Aug 2024 3:54 pm

Tgt Ion	Resp	Lower	Upper
117	443		
117	100		
119	100.5	67.0	127.0
121	26.4	0.5	60.5
82	0.0	0.0	30.0



7.19
7

Manual Integration Approval Summary

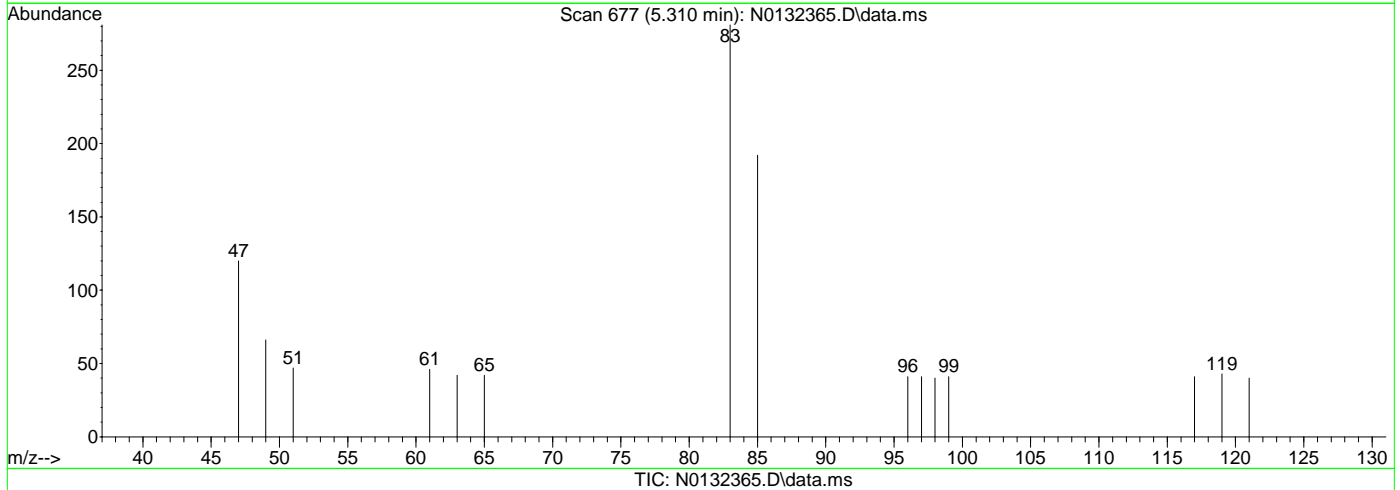
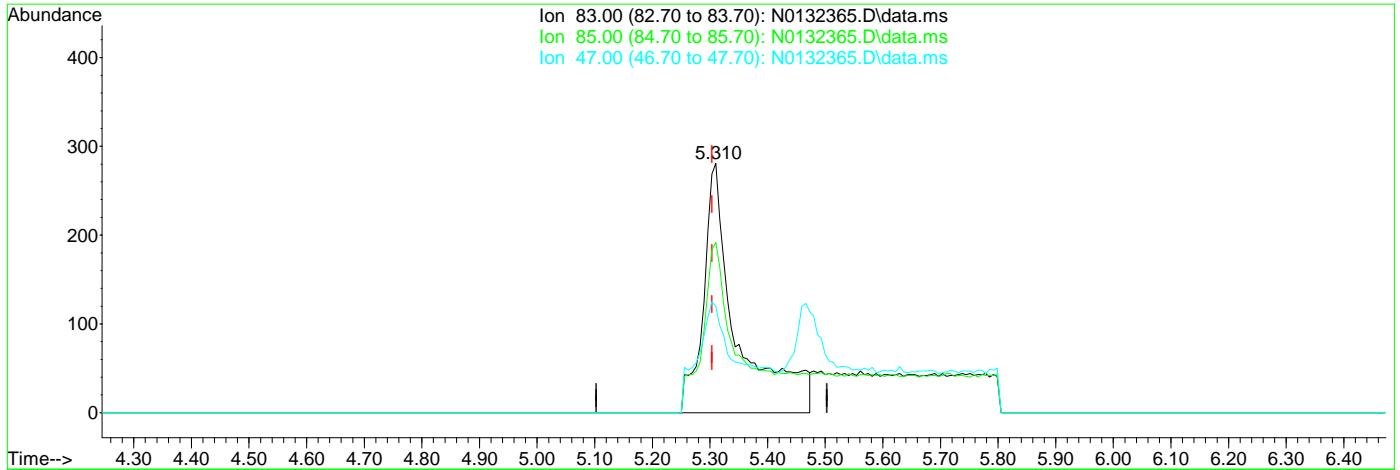
Sample Number: FC18341-9 **Method:** SW846 8260D BY SIM
Lab FileID: N0132365.D **Analyst approved:** 08/30/24 12:06 Jenifer Willis
Injection Time: 08/29/24 15:54 **Supervisor approved:** 08/30/24 13:18 Karen Watson

Parameter	CAS	Sig#	R.T. (min.)	Reason
Chloroform	67-66-3		5.31	Poorly defined baseline

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\08-29-24\
 Data File : N0132365.D
 Acq On : 29 Aug 2024 3:54 pm
 Operator : jeniferw
 Sample : FC18341-9
 Misc : MS57382,VN6711,,,,,
 ALS Vial : 24 Sample Multiplier: 1

Quant Time: Aug 30 06:42:18 2024
 Quant Method : C:\msdchem\1\methods\SIMCL_VN6705_082024.M
 Quant Title : Standard Methods 6200B
 QLast Update : Tue Aug 20 14:01:28 2024
 Response via : Initial Calibration



(9) Chloroform
 5.310min (+0.007) 0.69ug/L

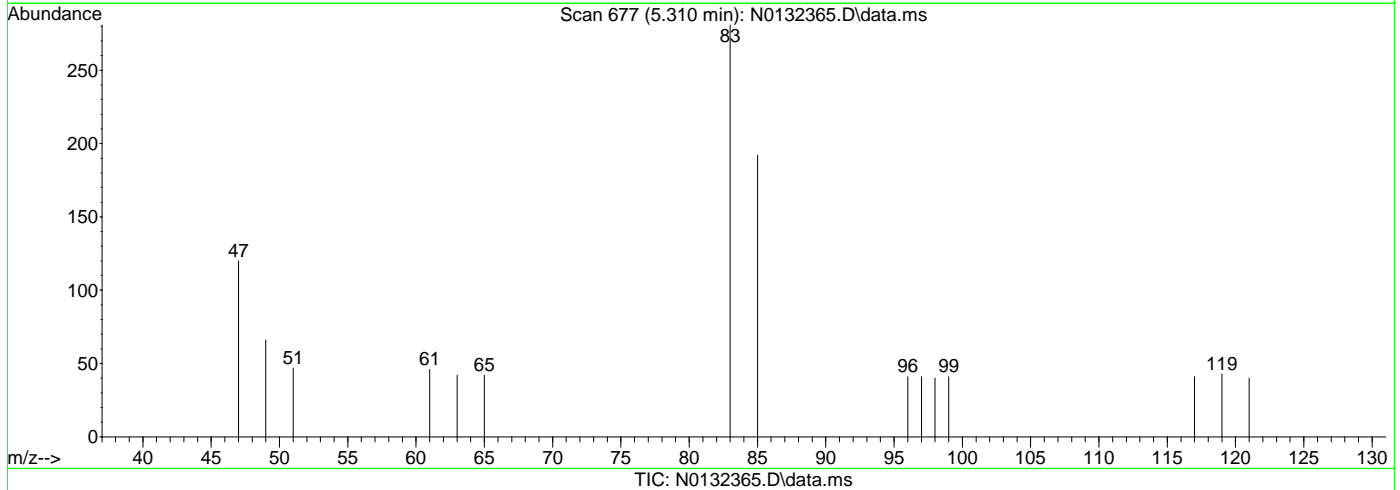
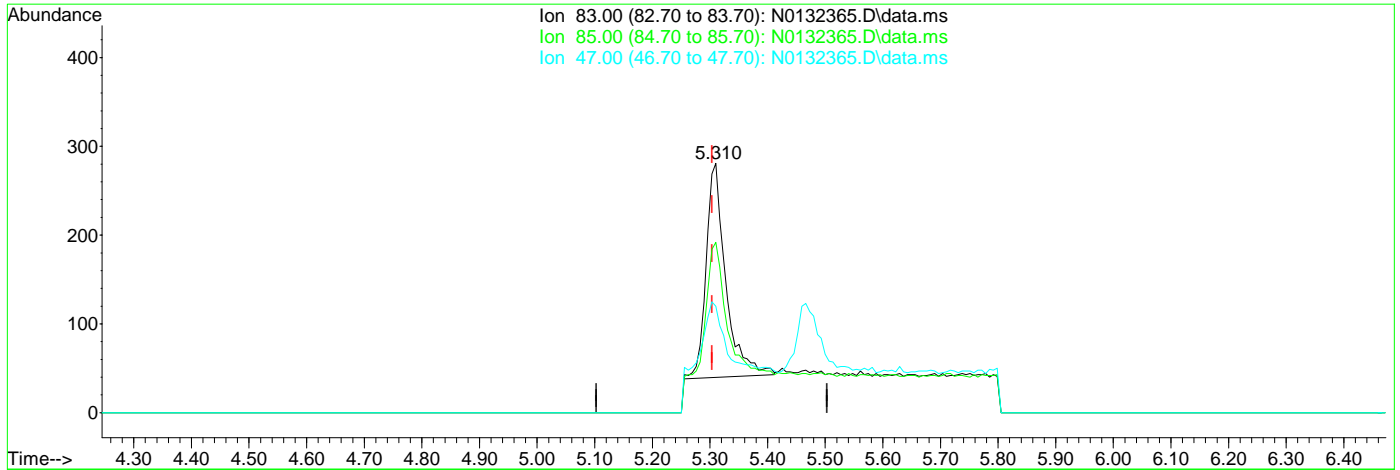
response 1127

Ion	Exp%	Act%
83.00	100	100
85.00	66.30	68.33
47.00	32.60	42.70
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\08-29-24\
 Data File : N0132365.D
 Acq On : 29 Aug 2024 3:54 pm
 Operator : jeniferw
 Sample : FC18341-9
 Misc : MS57382,VN6711,,,,,
 ALS Vial : 24 Sample Multiplier: 1

Quant Time: Aug 30 06:42:18 2024
 Quant Method : C:\msdchem\1\methods\SIMCL_VN6705_082024.M
 Quant Title : Standard Methods 6200B
 QLast Update : Tue Aug 20 14:01:28 2024
 Response via : Initial Calibration



(9) Chloroform
 5.310min (+0.007) 0.35ug/L m

response 572

Ion	Exp%	Act%
83.00	100	100
85.00	66.30	68.33
47.00	32.60	42.70
0.00	0.00	0.00

7.1.9.3
7

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\08-29-24\
 Data File : N0132366.D
 Acq On : 29 Aug 2024 4:18 pm
 Operator : jeniferw
 Sample : FC18341-10
 Misc : MS57382,VN6711,,,,,
 ALS Vial : 25 Sample Multiplier: 1

Quant Time: Aug 30 11:59:56 2024
 Quant Method : C:\msdchem\1\methods\SIMCL_VN6705_082024.M
 Quant Title : Standard Methods 6200B
 QLast Update : Tue Aug 20 14:01:28 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	Qvalue

Internal Standards							
1) Fluorobenzene	6.341	96	44688	5.00	ug/L	0.00	
18) Chlorobenzene-d5	9.519	117	28699	5.00	ug/L	0.00	
System Monitoring Compounds							
13) 1,2-Dichloroethane-d4	6.045	65	21790	5.67	ug/L	0.00	
Spiked Amount	5.000	Range 74 - 125	Recovery	=	113.40%		
19) Toluene-d8	7.951	98	32647	5.15	ug/L	0.00	
Spiked Amount	5.000	Range 88 - 111	Recovery	=	103.00%		
Target Compounds							
3) Chloromethane	1.977	50	196	0.15	ug/L	96	
5) Methylene Chloride	3.718	49	2592	1.25	ug/L	89	

(#) = qualifier out of range (m) = manual integration (+) = signals summed

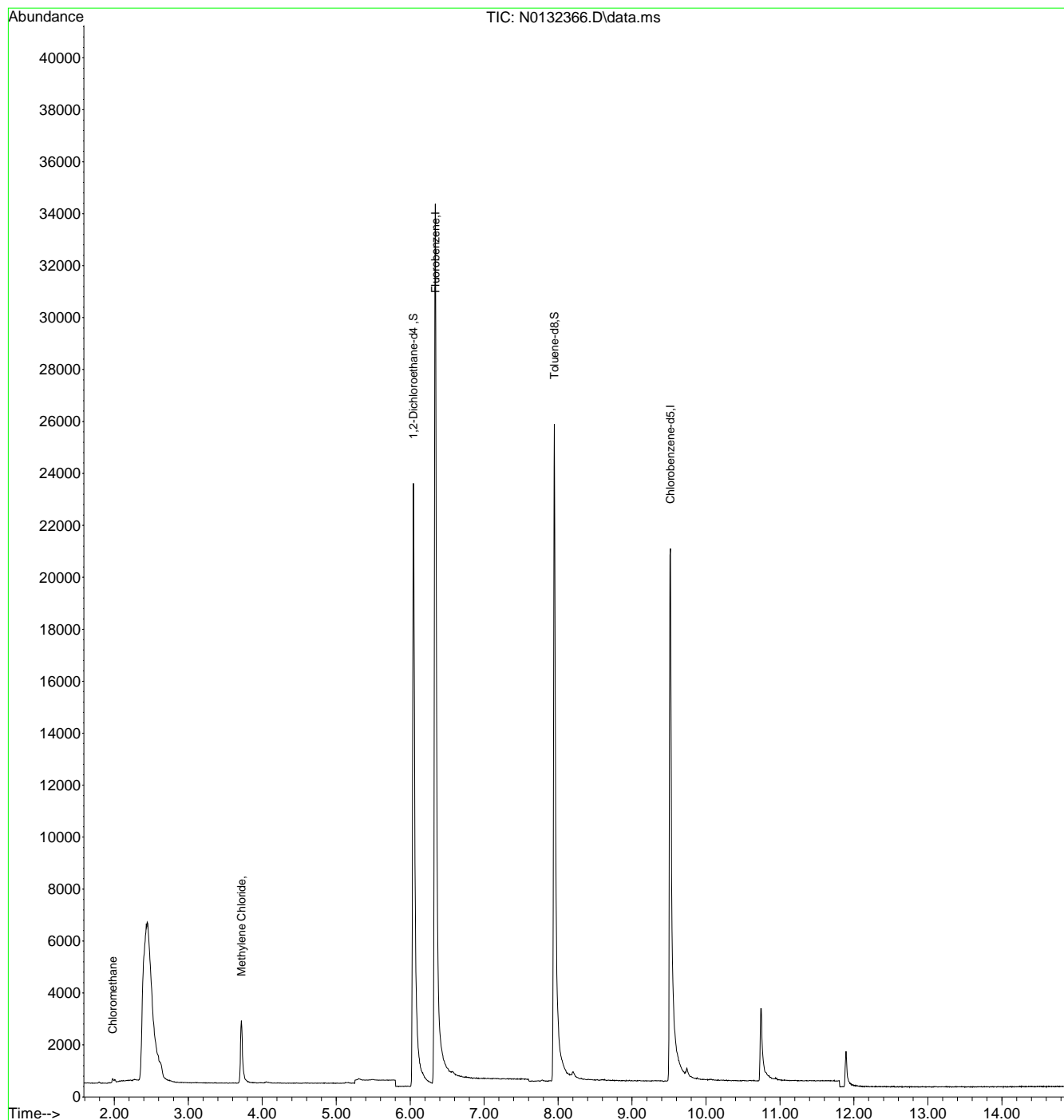
7.1.10
7



Quantitation Report (QT Reviewed)

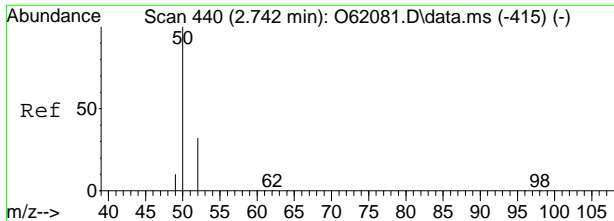
Data Path : C:\msdchem\1\data\08-29-24\
Data File : N0132366.D
Acq On : 29 Aug 2024 4:18 pm
Operator : jeniferw
Sample : FC18341-10
Misc : MS57382,VN6711,,,,,
ALS Vial : 25 Sample Multiplier: 1

Quant Time: Aug 30 11:59:56 2024
Quant Method : C:\msdchem\1\methods\SIMCL_VN6705_082024.M
Quant Title : Standard Methods 6200B
QLast Update : Tue Aug 20 14:01:28 2024
Response via : Initial Calibration



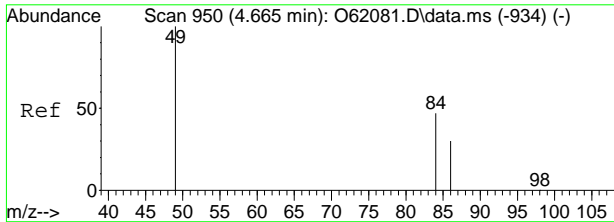
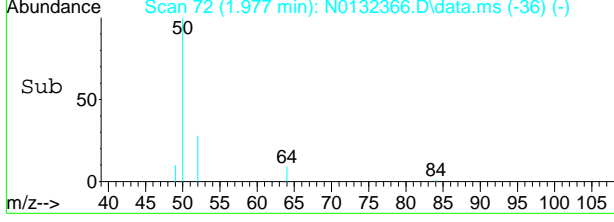
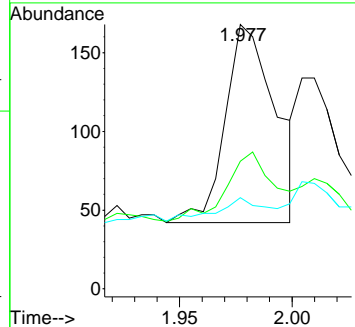
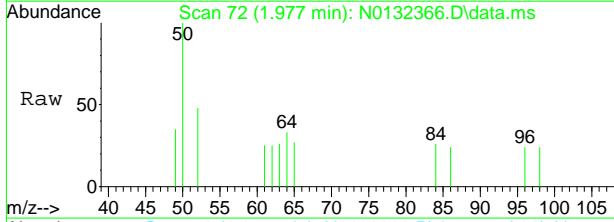
7.1.10
7





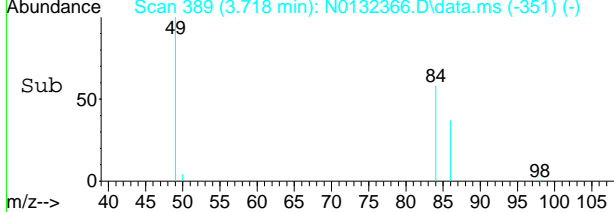
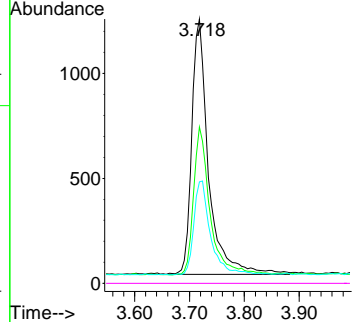
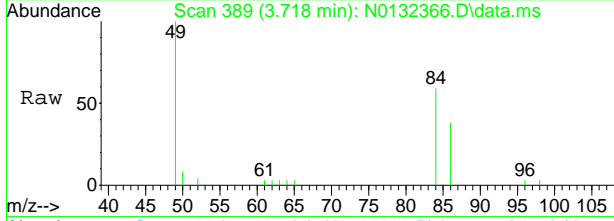
#3
 Chloromethane
 Concen: 0.15 ug/L
 RT: 1.977 min Scan# 72
 Delta R.T. -0.005 min
 Lab File: N0132366.D
 Acq: 29 Aug 2024 4:18 pm

Tgt Ion	Ratio	Lower	Upper
50	100		
52	30.2	2.1	62.1
49	11.9	0.0	39.6



#5
 Methylene Chloride
 Concen: 1.25 ug/L
 RT: 3.718 min Scan# 389
 Delta R.T. 0.006 min
 Lab File: N0132366.D
 Acq: 29 Aug 2024 4:18 pm

Tgt Ion	Ratio	Lower	Upper
49	100		
84	57.8	20.0	80.0
86	36.2	0.4	60.4
51	0.0	0.0	30.0



7.1.10
7

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\08-29-24\
 Data File : N0132345.D
 Acq On : 29 Aug 2024 8:03 am
 Operator : jeniferw
 Sample : MB
 Misc : MS57378,VN6711,,,,,
 ALS Vial : 5 Sample Multiplier: 1

Quant Time: Aug 29 08:19:42 2024
 Quant Method : C:\msdchem\1\methods\SIMCL_VN6705_082024.M
 Quant Title : Standard Methods 6200B
 QLast Update : Tue Aug 20 14:01:28 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Fluorobenzene	6.341	96	46351	5.00	ug/L	0.00
18) Chlorobenzene-d5	9.514	117	29760	5.00	ug/L	0.00
System Monitoring Compounds						
13) 1,2-Dichloroethane-d4	6.041	65	21081	5.29	ug/L	0.00
Spiked Amount	5.000	Range 74 - 125	Recovery	=	105.80%	
19) Toluene-d8	7.945	98	34662	5.28	ug/L	0.00
Spiked Amount	5.000	Range 88 - 111	Recovery	=	105.60%	
Target Compounds						
3) Chloromethane	1.977	50	522	0.38	ug/L	90
5) Methylene Chloride	3.712	49	3889	1.83	ug/L	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

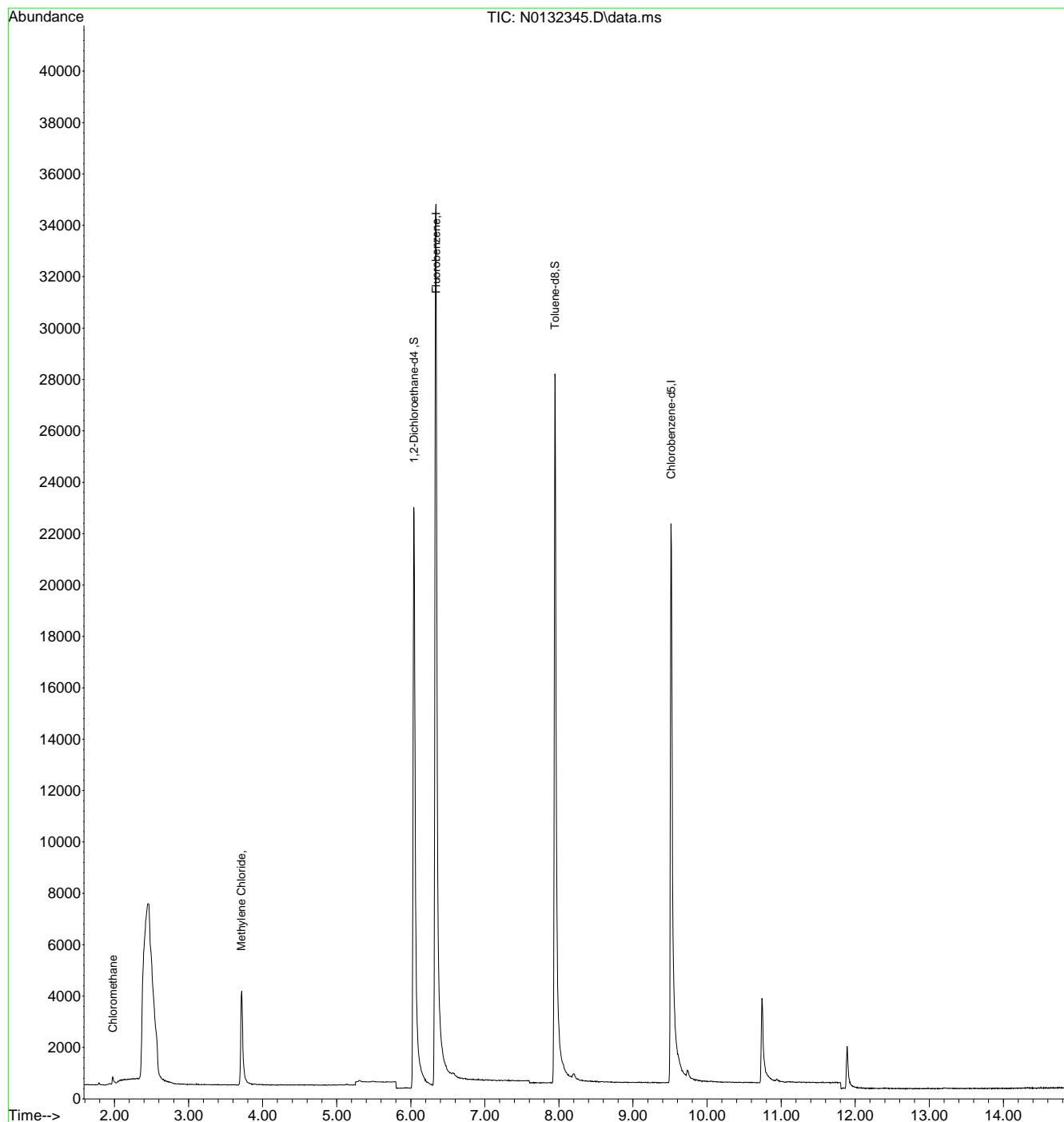
7.2.1
7

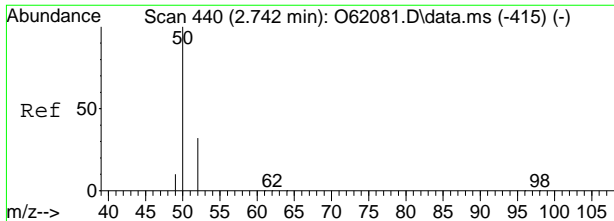


Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\08-29-24\
Data File : N0132345.D
Acq On : 29 Aug 2024 8:03 am
Operator : jeniferw
Sample : MB
Misc : MS57378,VN6711,,,,,
ALS Vial : 5 Sample Multiplier: 1

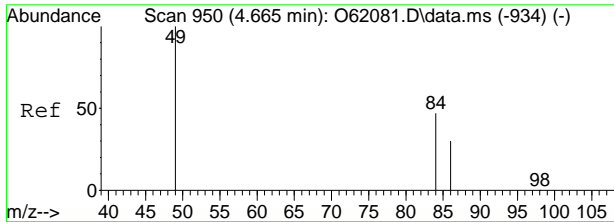
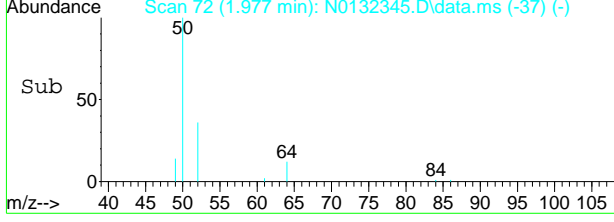
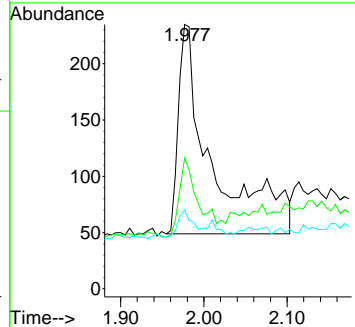
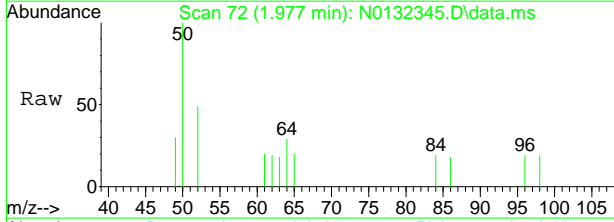
Quant Time: Aug 29 08:19:42 2024
Quant Method : C:\msdchem\1\methods\SIMCL_VN6705_082024.M
Quant Title : Standard Methods 6200B
QLast Update : Tue Aug 20 14:01:28 2024
Response via : Initial Calibration





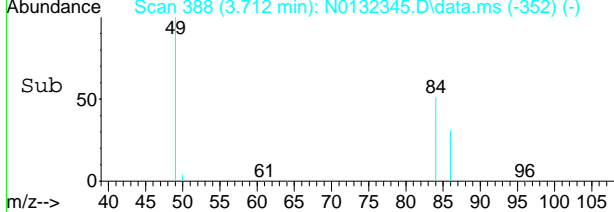
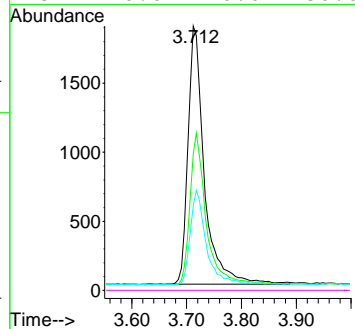
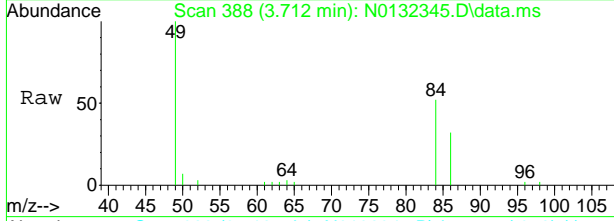
#3
 Chloromethane
 Concen: 0.38 ug/L
 RT: 1.977 min Scan# 72
 Delta R.T. -0.005 min
 Lab File: N0132345.D
 Acq: 29 Aug 2024 8:03 am

Tgt Ion	Resp	Lower	Upper
50	522		
52	37.6	2.1	62.1
49	12.9	0.0	39.6



#5
 Methylene Chloride
 Concen: 1.83 ug/L
 RT: 3.712 min Scan# 388
 Delta R.T. 0.000 min
 Lab File: N0132345.D
 Acq: 29 Aug 2024 8:03 am

Tgt Ion	Resp	Lower	Upper
49	3889		
84	50.5	20.0	80.0
86	30.7	0.4	60.4
51	0.0	0.0	30.0



7.2.1
7

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\08-29-24\
 Data File : N0132343.D
 Acq On : 29 Aug 2024 7:14 am
 Operator : jeniferw
 Sample : BS
 Misc : MS57378,VN6711,,,,,
 ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 29 07:33:13 2024
 Quant Method : C:\msdchem\1\methods\SIMCL_VN6705_082024.M
 Quant Title : Standard Methods 6200B
 QLast Update : Tue Aug 20 14:01:28 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	

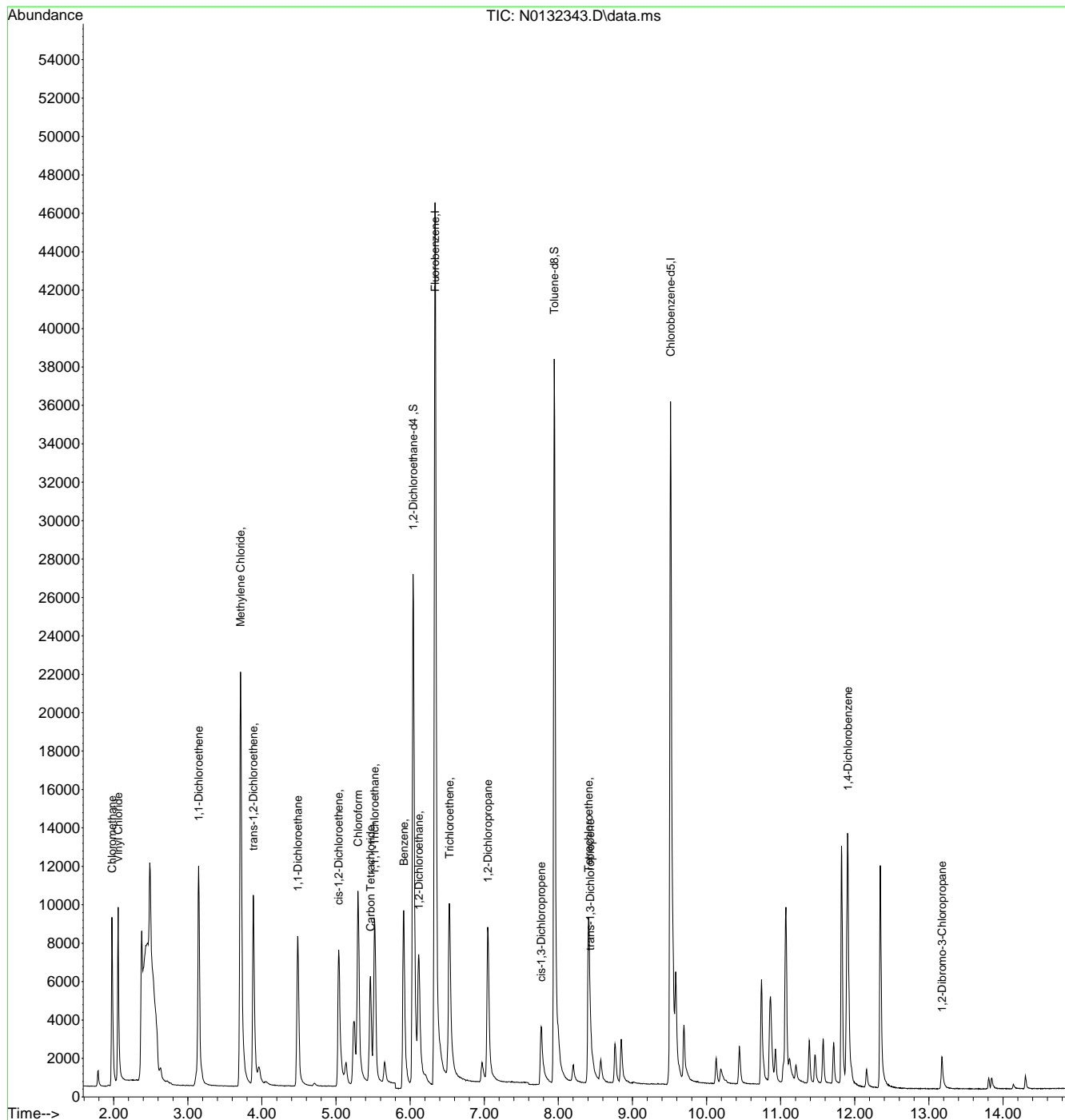
Internal Standards							
1) Fluorobenzene	6.335	96	57356	5.00	ug/L	0.00	
18) Chlorobenzene-d5	9.514	117	35866	5.00	ug/L	0.00	
System Monitoring Compounds							
13) 1,2-Dichloroethane-d4	6.041	65	23683	4.80	ug/L	0.00	
Spiked Amount	5.000	Range 74 - 125	Recovery	=	96.00%		
19) Toluene-d8	7.945	98	41483	5.24	ug/L	0.00	
Spiked Amount	5.000	Range 88 - 111	Recovery	=	104.80%		
Target Compounds							
							Qvalue
2) Vinyl Chloride	2.059	62	8089	6.37	ug/L		99
3) Chloromethane	1.977	50	9146	5.40	ug/L		99
4) 1,1-Dichloroethene	3.147	61	8326	4.93	ug/L		90
5) Methylene Chloride	3.712	49	21338	9.28	ug/L		89
6) trans-1,2-Dichloroethene	3.883	61	7635	5.42	ug/L		95
7) 1,1-Dichloroethane	4.481	63	10112	5.35	ug/L		98
8) cis-1,2-Dichloroethene	5.036	96	4589	5.56	ug/L		95
9) Chloroform	5.296	83	10568	5.22	ug/L		97
10) Carbon Tetrachloride	5.466	117	4064	4.74	ug/L		97
11) 1,1,1-Trichloroethane	5.520	97	6283	5.15	ug/L		97
12) Benzene	5.915	78	16358	5.34	ug/L		96
14) 1,2-Dichloroethane	6.116	62	7963	5.50	ug/L		99
15) Trichloroethene	6.531	95	4454	5.16	ug/L		99
16) 1,2-Dichloropropane	7.047	63	5187	5.37	ug/L		100
17) cis-1,3-Dichloropropene	7.769	75	4078	5.33	ug/L		97
20) trans-1,3-Dichloropropene	8.429	75	3429	5.32	ug/L		92
21) Tetrachloroethene	8.407	166	4654	5.76	ug/L #		95
22) 1,4-Dichlorobenzene	11.906	146	10580	5.77	ug/L		98
23) 1,2-Dibromo-3-Chloropr...	13.176	75	849	5.65	ug/L		95

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\08-29-24\
 Data File : N0132343.D
 Acq On : 29 Aug 2024 7:14 am
 Operator : jeniferw
 Sample : BS
 Misc : MS57378,VN6711,,,,,
 ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 29 07:33:13 2024
 Quant Method : C:\msdchem\1\methods\SIMCL_VN6705_082024.M
 Quant Title : Standard Methods 6200B
 QLast Update : Tue Aug 20 14:01:28 2024
 Response via : Initial Calibration



7.3.1
7



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\08-29-24\
 Data File : N0132367.D
 Acq On : 29 Aug 2024 4:41 pm
 Operator : jeniferw
 Sample : FC18256-4MS
 Misc : MS57382,VN6711,,,,,5
 ALS Vial : 26 Sample Multiplier: 1

Quant Time: Aug 30 12:00:51 2024
 Quant Method : C:\msdchem\1\methods\SIMCL_VN6705_082024.M
 Quant Title : Standard Methods 6200B
 QLast Update : Tue Aug 20 14:01:28 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	

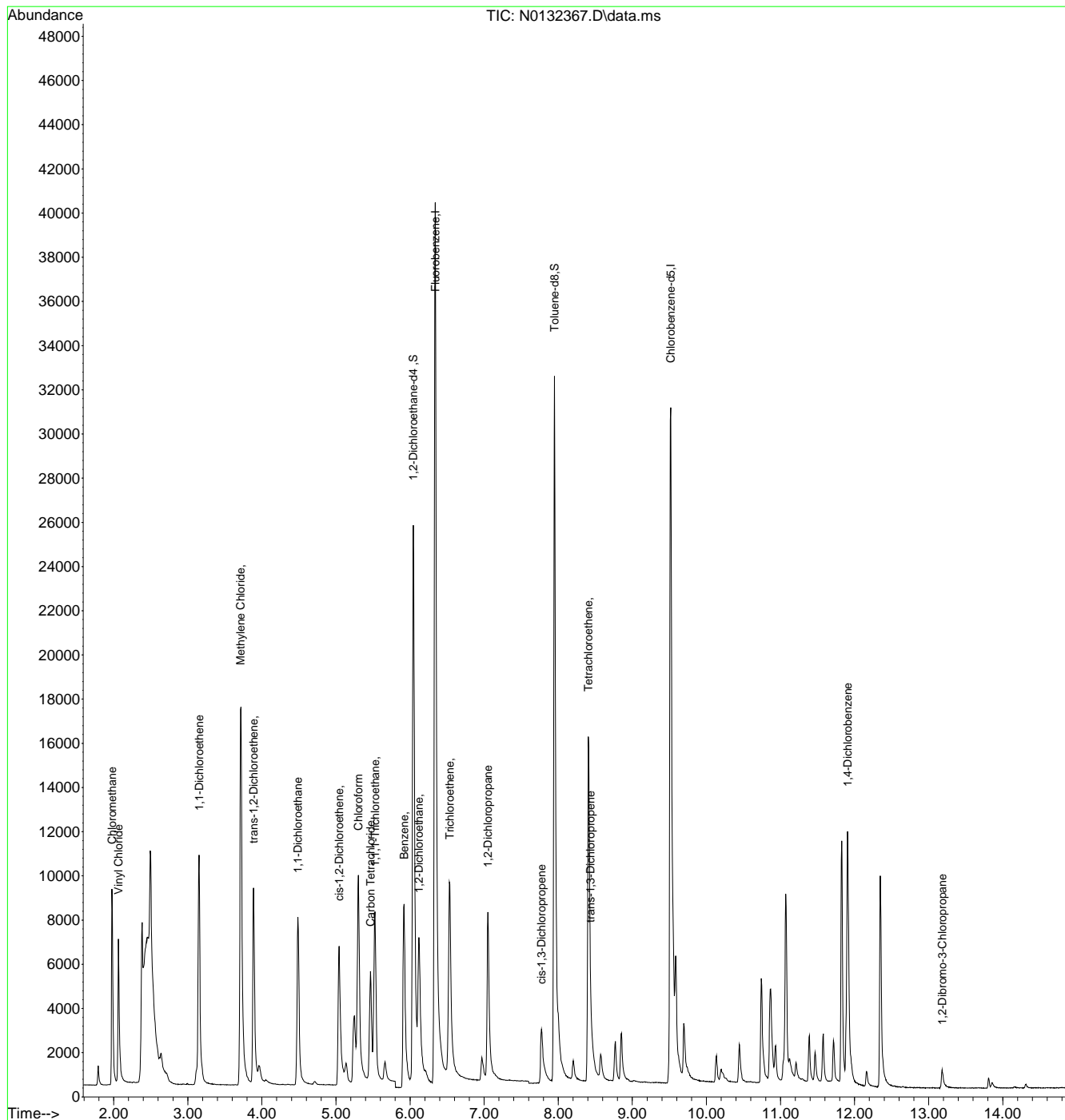
Internal Standards							
1) Fluorobenzene	6.341	96	51589	5.00	ug/L	0.00	
18) Chlorobenzene-d5	9.519	117	33202	5.00	ug/L	0.00	
System Monitoring Compounds							
13) 1,2-Dichloroethane-d4	6.045	65	23715	5.34	ug/L	0.00	
Spiked Amount	5.000	Range 74 - 125	Recovery	=	106.80%		
19) Toluene-d8	7.951	98	37547	5.12	ug/L	0.00	
Spiked Amount	5.000	Range 88 - 111	Recovery	=	102.40%		
Target Compounds							
							Qvalue
2) Vinyl Chloride	2.065	62	6265	5.49	ug/L		100
3) Chloromethane	1.977	50	8550	5.61	ug/L		99
4) 1,1-Dichloroethene	3.152	61	7637	5.03	ug/L		89
5) Methylene Chloride	3.712	49	17774	8.46	ug/L		96
6) trans-1,2-Dichloroethene	3.888	61	6864	5.42	ug/L		91
7) 1,1-Dichloroethane	4.487	63	9857	5.79	ug/L		100
8) cis-1,2-Dichloroethene	5.041	96	4161	5.60	ug/L		98
9) Chloroform	5.303	83	10201	5.64	ug/L		98
10) Carbon Tetrachloride	5.466	117	3600	4.67	ug/L		95
11) 1,1,1-Trichloroethane	5.527	97	5773	5.26	ug/L		98
12) Benzene	5.919	78	15287	5.55	ug/L		97
14) 1,2-Dichloroethane	6.121	62	8032	6.17	ug/L		99
15) Trichloroethene	6.537	95	4275	5.51	ug/L		96
16) 1,2-Dichloropropane	7.052	63	4928	5.67	ug/L		96
17) cis-1,3-Dichloropropene	7.774	75	3439	5.00	ug/L		98
20) trans-1,3-Dichloropropene	8.435	75	2993	5.05	ug/L		96
21) Tetrachloroethene	8.407	166	8708	11.65	ug/L #		96
22) 1,4-Dichlorobenzene	11.906	146	9618	5.67	ug/L		94
23) 1,2-Dibromo-3-Chloropr...	13.183	75	566m	4.07	ug/L		

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\08-29-24\
 Data File : N0132367.D
 Acq On : 29 Aug 2024 4:41 pm
 Operator : jeniferw
 Sample : FC18256-4MS
 Misc : MS57382,VN6711,,,,,5
 ALS Vial : 26 Sample Multiplier: 1

Quant Time: Aug 30 12:00:51 2024
 Quant Method : C:\msdchem\1\methods\SIMCL_VN6705_082024.M
 Quant Title : Standard Methods 6200B
 QLast Update : Tue Aug 20 14:01:28 2024
 Response via : Initial Calibration



7.4.1
7



Manual Integration Approval Summary

Sample Number: FC18256-4MS

Method: SW846 8260D BY SIM

Lab FileID: N0132367.D

Analyst approved: 08/30/24 12:06 Jenifer Willis

Injection Time: 08/29/24 16:41

Supervisor approved: 08/30/24 13:18 Karen Watson

Parameter	CAS	Sig#	R.T. (min.)	Reason
1,2-Dibromo-3-chloropropane	96-12-8		13.18	Missed peak

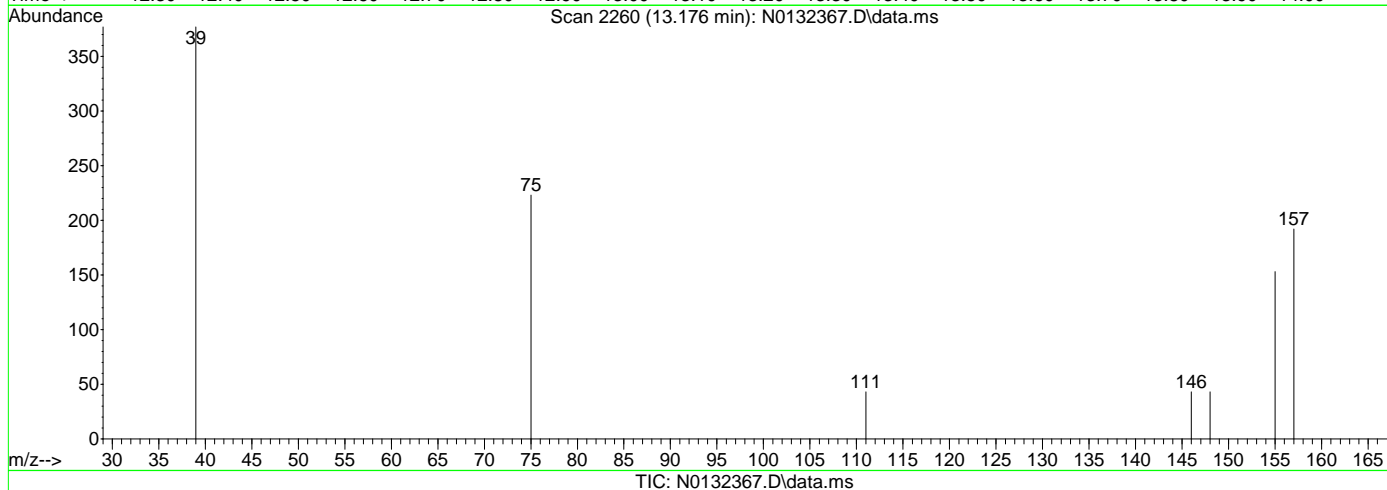
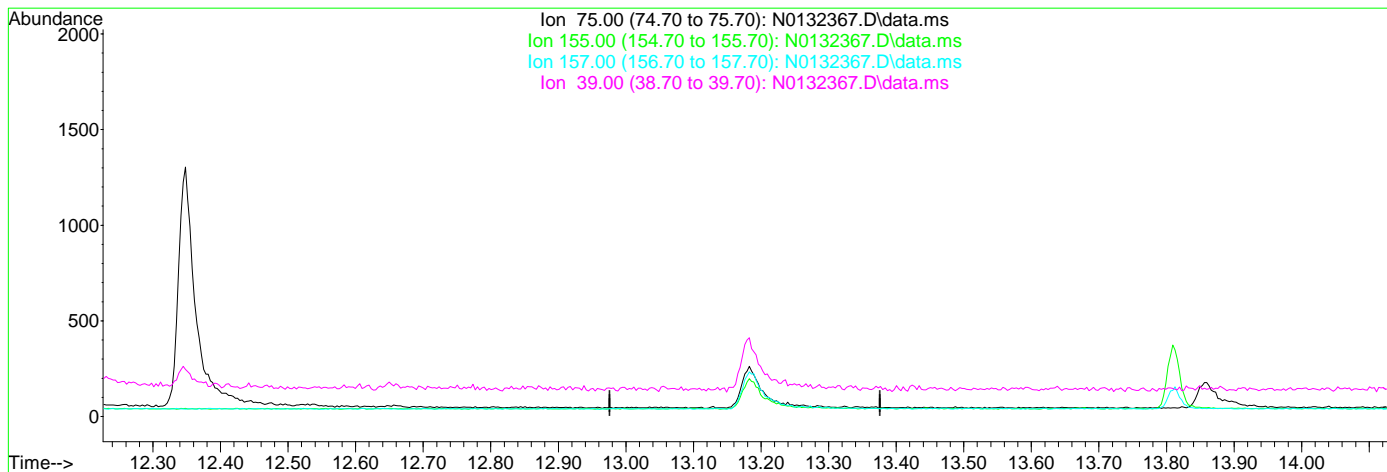
7.4.1.1

7

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\08-29-24\
 Data File : N0132367.D
 Acq On : 29 Aug 2024 4:41 pm
 Operator : jeniferw
 Sample : FC18256-4MS
 Misc : MS57382,VN6711,,,,,5
 ALS Vial : 26 Sample Multiplier: 1

Quant Time: Aug 30 06:42:22 2024
 Quant Method : C:\msdchem\1\methods\SIMCL_VN6705_082024.M
 Quant Title : Standard Methods 6200B
 QLast Update : Tue Aug 20 14:01:28 2024
 Response via : Initial Calibration



(23) 1,2-Dibromo-3-Chloropropane

13.176min (-13.176) 0.00ug/L

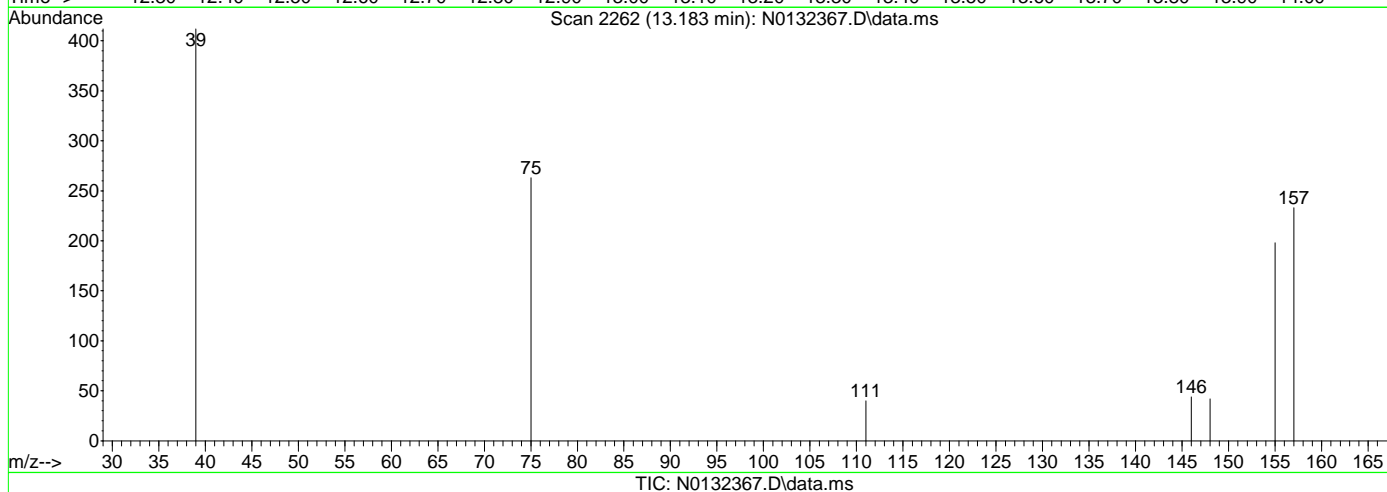
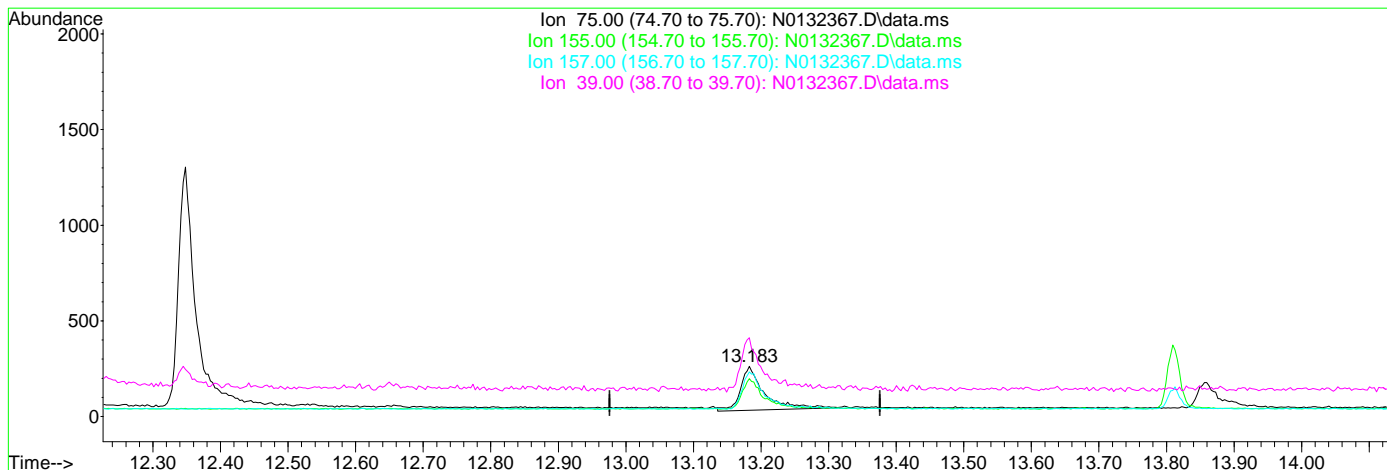
response 0

Ion	Exp%	Act%
75.00	100	0.00
155.00	72.00	0.00#
157.00	87.40	0.00#
39.00	113.50	0.00#

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\08-29-24\
 Data File : N0132367.D
 Acq On : 29 Aug 2024 4:41 pm
 Operator : jeniferw
 Sample : FC18256-4MS
 Misc : MS57382,VN6711,,,,,5
 ALS Vial : 26 Sample Multiplier: 1

Quant Time: Aug 30 06:42:22 2024
 Quant Method : C:\msdchem\1\methods\SIMCL_VN6705_082024.M
 Quant Title : Standard Methods 6200B
 QLast Update : Tue Aug 20 14:01:28 2024
 Response via : Initial Calibration



(23) 1,2-Dibromo-3-Chloropropane

13.183min (+0.007) 4.07ug/L m

response 566

Ion	Exp%	Act%
75.00	100	100
155.00	72.00	75.29
157.00	87.40	88.59
39.00	113.50	156.65#

7.4.1.3
7

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\08-29-24\
 Data File : N0132368.D
 Acq On : 29 Aug 2024 5:05 pm
 Operator : jeniferw
 Sample : FC18256-4MSD
 Misc : MS57382,VN6711,,,,,5
 ALS Vial : 27 Sample Multiplier: 1

Quant Time: Aug 30 06:42:24 2024
 Quant Method : C:\msdchem\1\methods\SIMCL_VN6705_082024.M
 Quant Title : Standard Methods 6200B
 QLast Update : Tue Aug 20 14:01:28 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

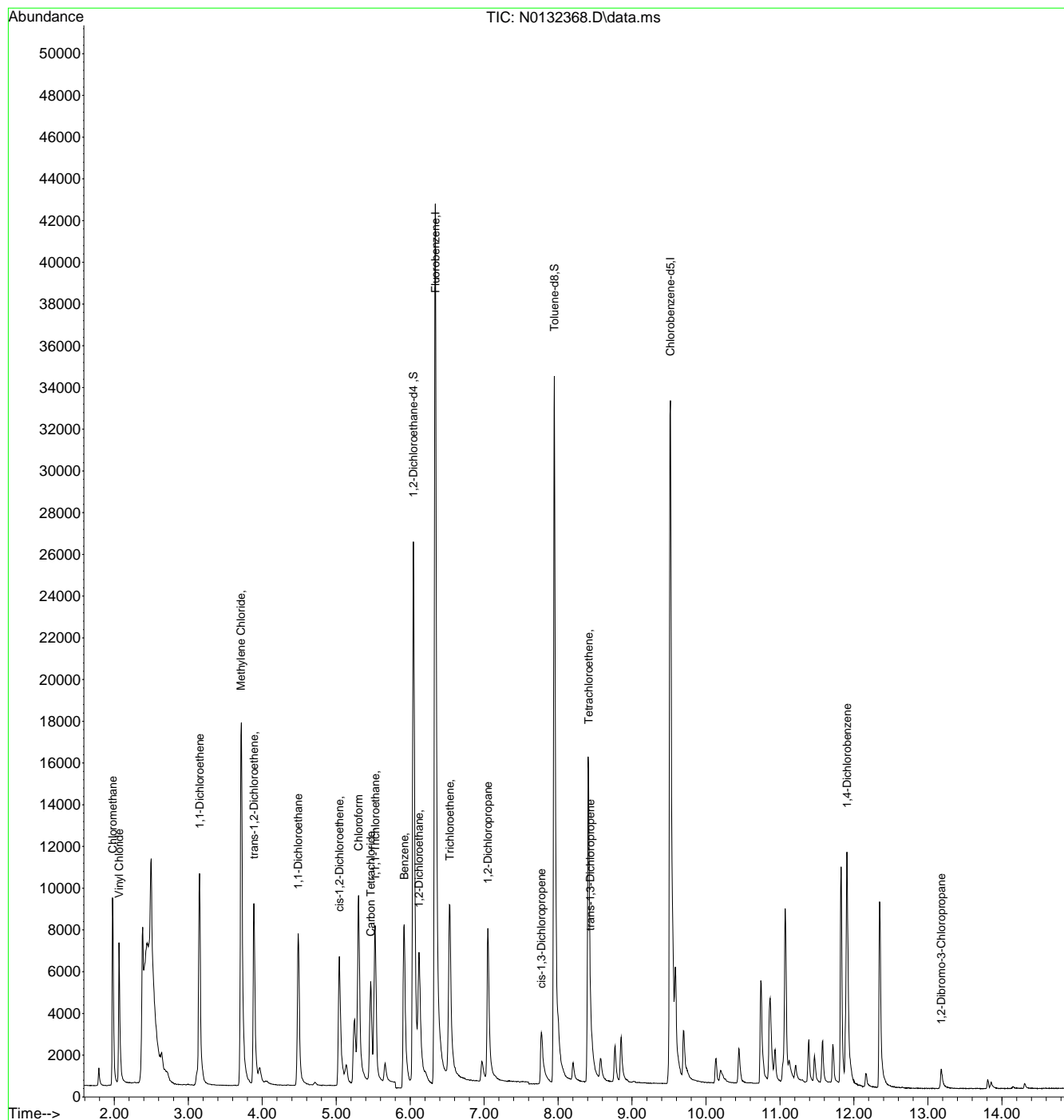
Internal Standards						
1) Fluorobenzene	6.341	96	54534	5.00	ug/L	0.00
18) Chlorobenzene-d5	9.519	117	40142	5.00	ug/L	0.00
System Monitoring Compounds						
13) 1,2-Dichloroethane-d4	6.045	65	24469	5.22	ug/L	0.00
Spiked Amount	5.000	Range 74 - 125	Recovery	=	104.40%	
19) Toluene-d8	7.951	98	40534	4.58	ug/L	0.00
Spiked Amount	5.000	Range 88 - 111	Recovery	=	91.60%	
Target Compounds						
						Qvalue
2) Vinyl Chloride	2.065	62	6309	5.23	ug/L	99
3) Chloromethane	1.977	50	8163	5.07	ug/L	98
4) 1,1-Dichloroethene	3.152	61	7476	4.66	ug/L	89
5) Methylene Chloride	3.712	49	17996	8.04	ug/L	98
6) trans-1,2-Dichloroethene	3.888	61	6761	5.05	ug/L	91
7) 1,1-Dichloroethane	4.487	63	9405	5.23	ug/L	99
8) cis-1,2-Dichloroethene	5.042	96	4164	5.30	ug/L	98
9) Chloroform	5.303	83	9856	5.11	ug/L	97
10) Carbon Tetrachloride	5.466	117	3556	4.36	ug/L	96
11) 1,1,1-Trichloroethane	5.527	97	5715	4.92	ug/L	98
12) Benzene	5.919	78	14847	5.10	ug/L	98
14) 1,2-Dichloroethane	6.121	62	7529	5.47	ug/L	98
15) Trichloroethene	6.537	95	4037	4.92	ug/L	93
16) 1,2-Dichloropropane	7.053	63	4842	5.27	ug/L	98
17) cis-1,3-Dichloropropene	7.775	75	3455	4.75	ug/L	99
20) trans-1,3-Dichloropropene	8.435	75	2985	4.24	ug/L	94
21) Tetrachloroethene	8.413	166	8677	9.60	ug/L #	98
22) 1,4-Dichlorobenzene	11.906	146	9276	4.52	ug/L	95
23) 1,2-Dibromo-3-Chloropr...	13.179	75	549	3.27	ug/L	96

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\08-29-24\
 Data File : N0132368.D
 Acq On : 29 Aug 2024 5:05 pm
 Operator : jeniferw
 Sample : FC18256-4MSD
 Misc : MS57382,VN6711,,,,,5
 ALS Vial : 27 Sample Multiplier: 1

Quant Time: Aug 30 06:42:24 2024
 Quant Method : C:\msdchem\1\methods\SIMCL_VN6705_082024.M
 Quant Title : Standard Methods 6200B
 QLast Update : Tue Aug 20 14:01:28 2024
 Response via : Initial Calibration



7.4.2
7



Methods: SW-846 8260B

Data File : C:\msdchem\1\data\08-20-24\N0132197.D

Vial: 1

Acq On : 20 Aug 2024 9:04 am

Operator: jeniferw

Sample : BFB

Inst : MSVOA6-N

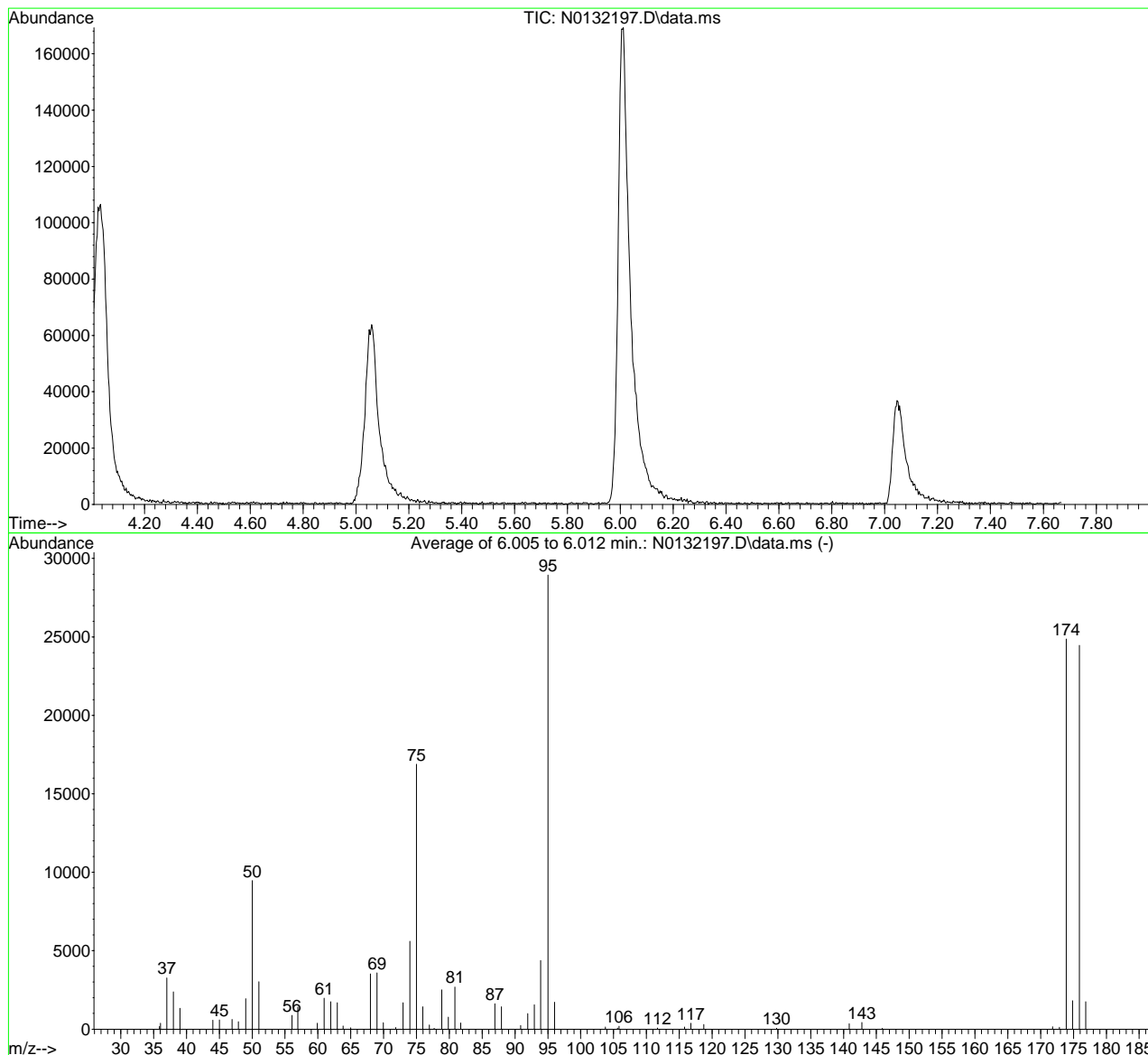
Misc : MS57274,VN6705,,,,,

Multiplr: 1.00

MS Integration Params: rteint.p

Method : C:\msdchem\1\met..._VN6705_082024.M (RTE Integrator)

Title : Standard Methods 6200B



AutoFind: Scans 721, 722, 723; Background Corrected with Scan 702

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
95	95	100	100	100.0	28939	PASS
96	95	5	9	5.9	1718	PASS
173	174	0.00	2	0.5	120	PASS
174	95	50	200	85.9	24867	PASS
175	174	5	9	7.3	1811	PASS
176	174	95	105	98.4	24459	PASS
177	176	5	10	7.1	1743	PASS

Methods: SW-846 8260B

Data File : C:\msdchem\1\data\08-29-24\N0132341.D

Vial: 1

Acq On : 29 Aug 2024 6:22 am

Operator: jeniferw

Sample : BFB

Inst : MSVOA6-N

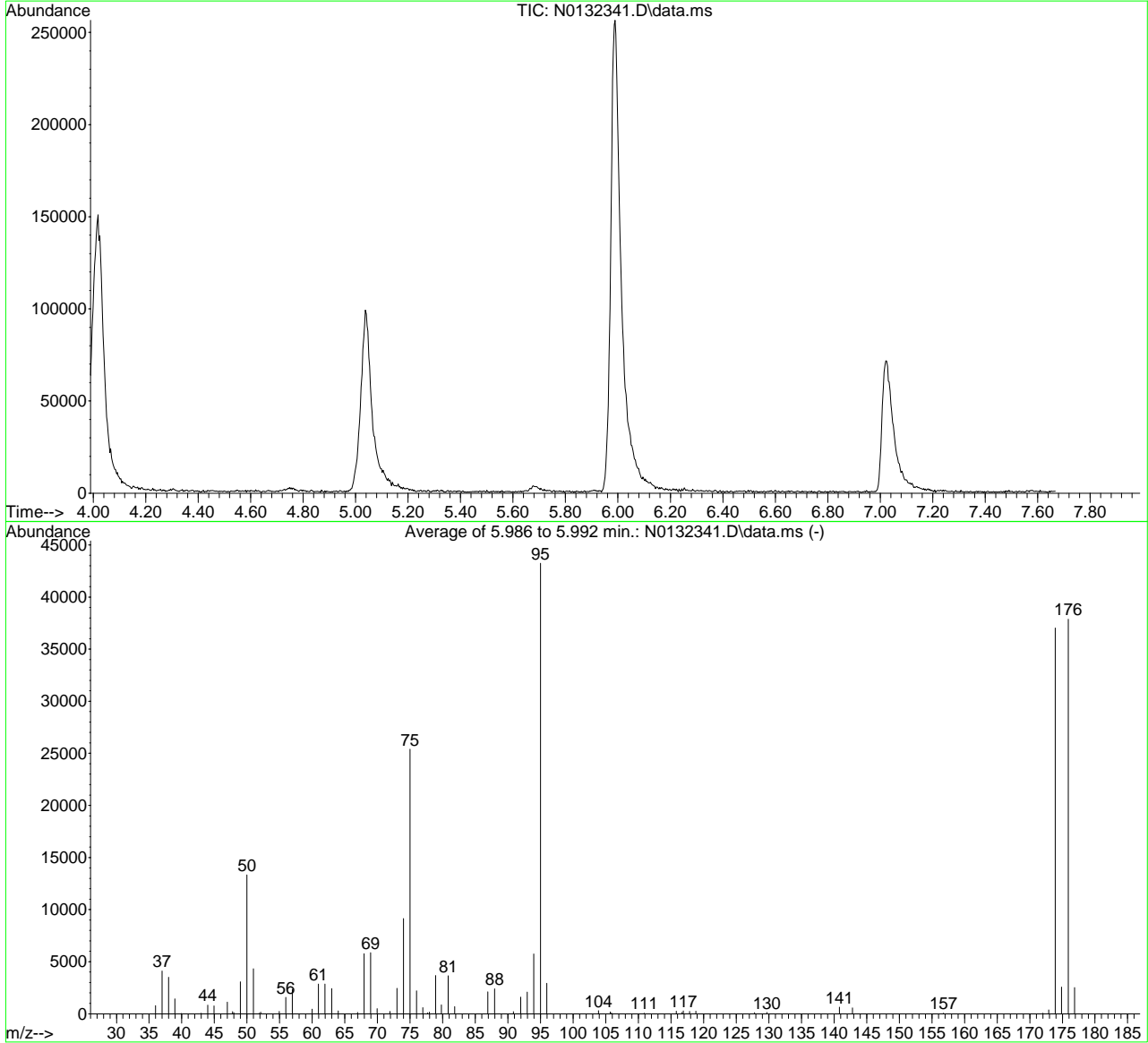
Misc : MS57378,VN6711,,,,,

Multiplr: 1.00

MS Integration Params: rteint.p

Method : C:\msdchem\1\met..._VN6705_082024.M (RTE Integrator)

Title : Standard Methods 6200B



AutoFind: Scans 715, 716, 717; Background Corrected with Scan 698

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
95	95	100	100	100.0	43235	PASS
96	95	5	9	6.8	2934	PASS
173	174	0.00	2	1.0	382	PASS
174	95	50	200	85.7	37040	PASS
175	174	5	9	6.9	2566	PASS
176	174	95	105	102.2	37861	PASS
177	176	5	10	6.6	2513	PASS

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\08-20-24\
 Data File : N0132200.D
 Acq On : 20 Aug 2024 10:17 am
 Operator : jeniferw
 Sample : IC6705-3
 Misc : MS57318,VN6705,,,,,
 ALS Vial : 4 Sample Multiplier: 1

Quant Time: Aug 20 11:00:35 2024
 Quant Method : C:\msdchem\1\methods\SIMCL_VN6705_082024.M
 Quant Title : Standard Methods 6200B
 QLast Update : Wed May 22 11:09:52 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	

Internal Standards							
1) Fluorobenzene	6.341	96	46182	5.00	ug/L	0.00	
18) Chlorobenzene-d5	9.519	117	30522	5.00	ug/L	0.00	
System Monitoring Compounds							
13) 1,2-Dichloroethane-d4	6.045	65	21421	6.43	ug/L	0.00	
Spiked Amount	5.000	Range 74 - 125	Recovery	=	128.60%#		
19) Toluene-d8	7.951	98	33133	5.47	ug/L	0.00	
Spiked Amount	5.000	Range 88 - 111	Recovery	=	109.40%		
Target Compounds							
							Qvalue
2) Vinyl Chloride	2.065	62	2279	1.70	ug/L		96
3) Chloromethane	1.982	50	3557	2.28	ug/L		99
4) 1,1-Dichloroethene	3.152	61	2696	1.52	ug/L		89
5) Methylene Chloride	3.718	49	5181	2.31	ug/L		81
6) trans-1,2-Dichloroethene	3.888	61	2171	1.34	ug/L		83
7) 1,1-Dichloroethane	4.492	63	3108	1.41	ug/L		98
8) cis-1,2-Dichloroethene	5.047	96	1281	1.02	ug/L #		79
9) Chloroform	5.303	83	3640	1.37	ug/L		92
10) Carbon Tetrachloride	5.473	117	1305	1.04	ug/L		97
11) 1,1,1-Trichloroethane	5.527	97	1917	1.00	ug/L		89
12) Benzene	5.923	78	4760	1.25	ug/L		93
14) 1,2-Dichloroethane	6.125	62	2409	1.35	ug/L		90
15) Trichloroethene	6.543	95	1301	1.02	ug/L		93
16) 1,2-Dichloropropane	7.052	63	1534	1.40	ug/L		91
17) cis-1,3-Dichloropropene	7.785	75	1038	0.98	ug/L		86
20) trans-1,3-Dichloropropene	8.462	75	856	0.86	ug/L #		71
21) Tetrachloroethene	8.418	166	1339	0.95	ug/L #		96
22) 1,4-Dichlorobenzene	11.909	146	2846	1.00	ug/L #		73
23) 1,2-Dibromo-3-Chloropr...	13.189	75	271m	1.09	ug/L		

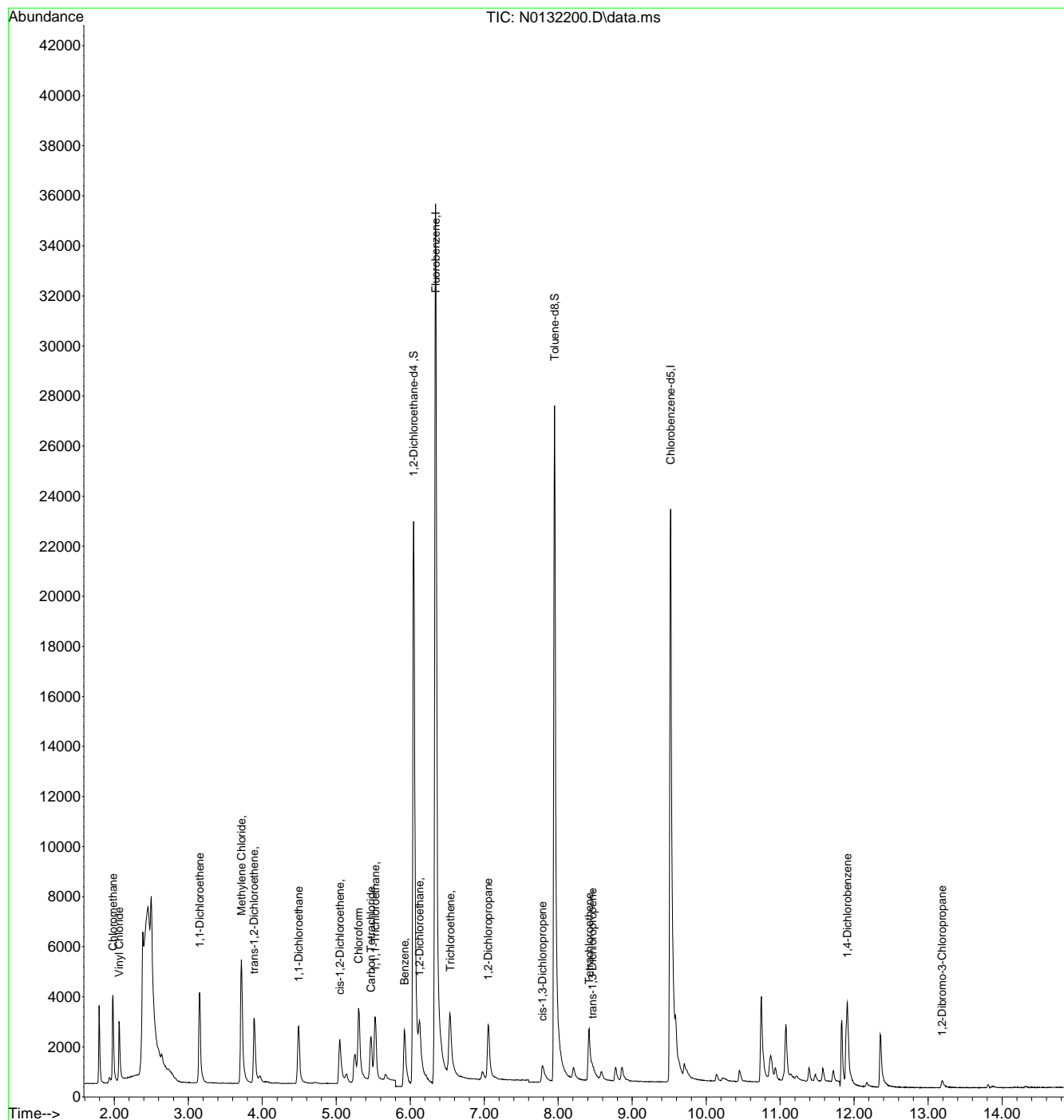
(#) = qualifier out of range (m) = manual integration (+) = signals summed

7.6.1
7

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\08-20-24\
 Data File : N0132200.D
 Acq On : 20 Aug 2024 10:17 am
 Operator : jeniferw
 Sample : IC6705-3
 Misc : MS57318,VN6705,,,,,
 ALS Vial : 4 Sample Multiplier: 1

Quant Time: Aug 20 11:00:35 2024
 Quant Method : C:\msdchem\1\methods\SIMCL_VN6705_082024.M
 Quant Title : Standard Methods 6200B
 QLast Update : Wed May 22 11:09:52 2024
 Response via : Initial Calibration



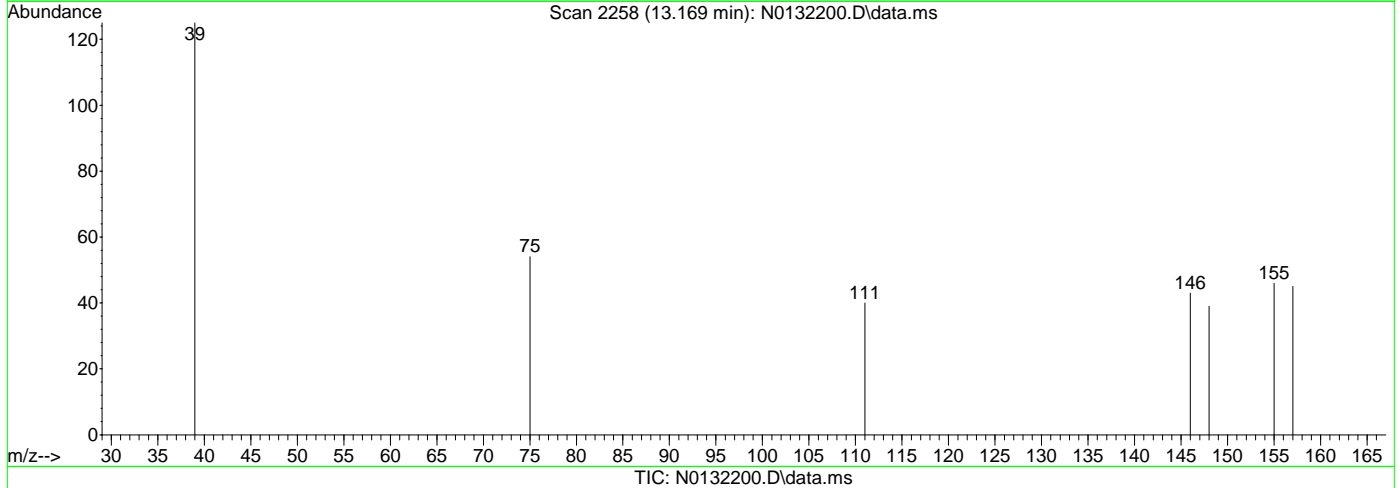
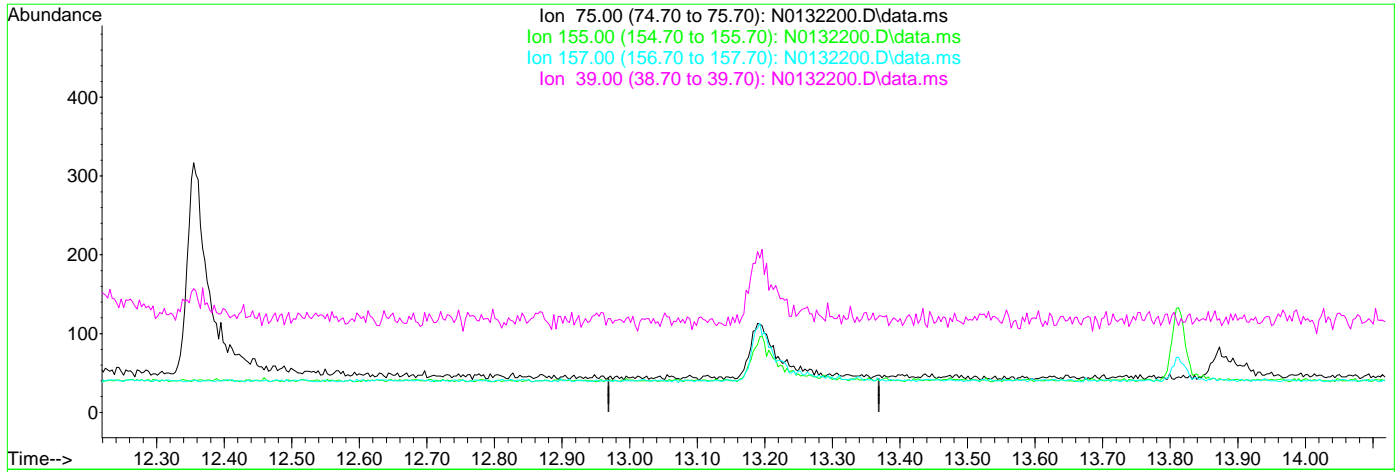
197



Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\08-20-24\
 Data File : N0132200.D
 Acq On : 20 Aug 2024 10:17 am
 Operator : jeniferw
 Sample : IC6705-3
 Misc : MS57274,VN6705,,,,,
 ALS Vial : 4 Sample Multiplier: 1

Quant Time: Aug 20 10:44:20 2024
 Quant Method : C:\msdchem\1\methods\SIMCL_VN6705_082024.M
 Quant Title : Standard Methods 6200B
 QLast Update : Wed May 22 11:09:52 2024
 Response via : Initial Calibration



(23) 1,2-Dibromo-3-Chloropropane

13.169min (-13.169) 0.00ug/L

response 0

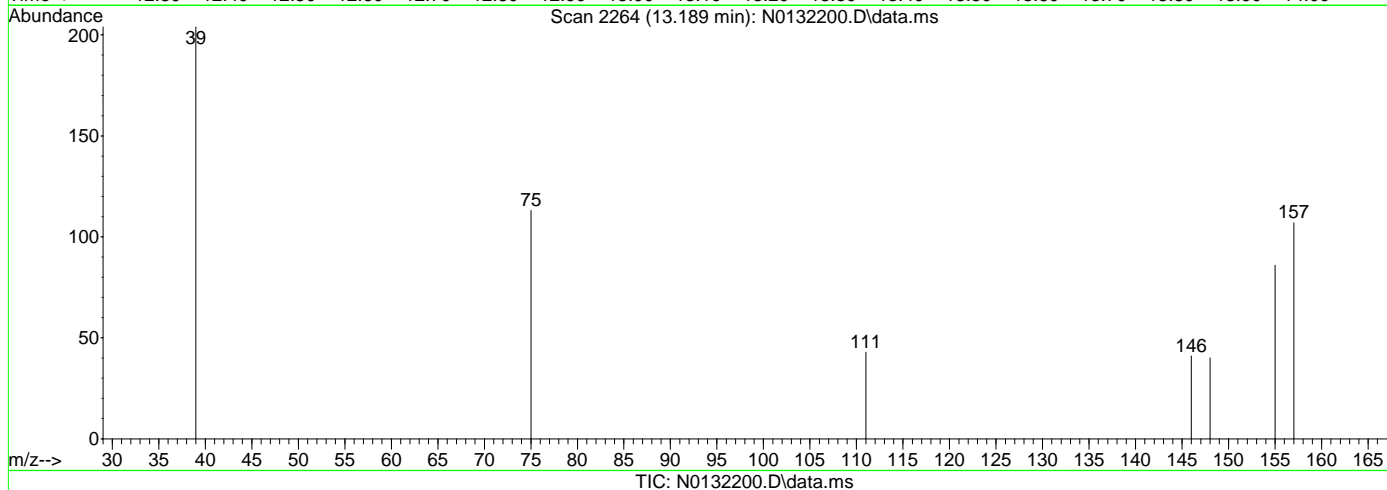
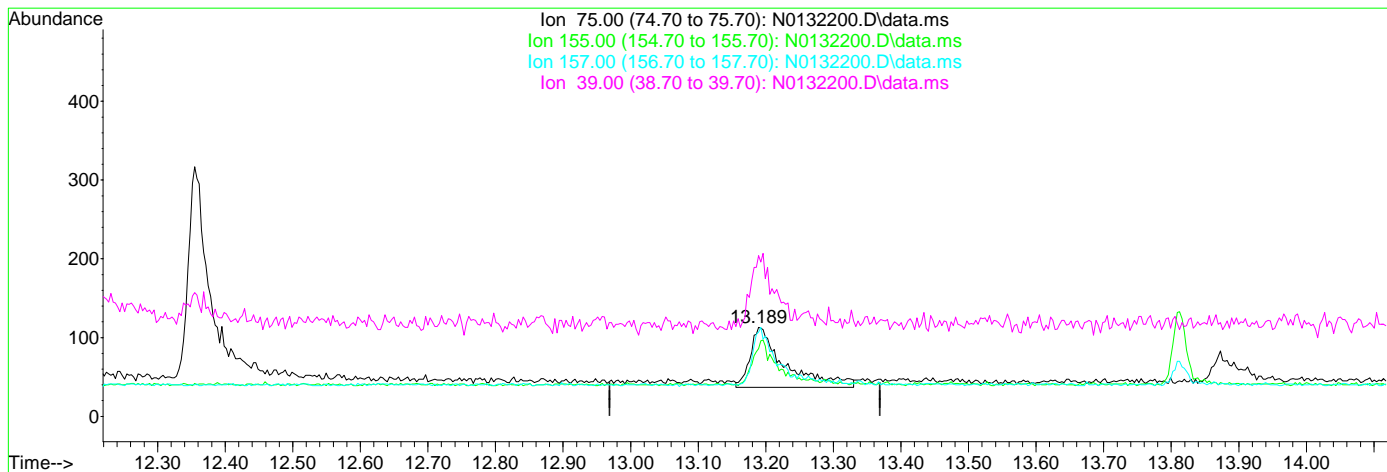
Ion	Exp%	Act%
75.00	100	0.00
155.00	95.00	0.00#
157.00	121.70	0.00#
39.00	85.30	0.00#

7.6.1.1
7

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\08-20-24\
 Data File : N0132200.D
 Acq On : 20 Aug 2024 10:17 am
 Operator : jeniferw
 Sample : IC6705-3
 Misc : MS57274,VN6705,,,,,
 ALS Vial : 4 Sample Multiplier: 1

Quant Time: Aug 20 10:44:20 2024
 Quant Method : C:\msdchem\1\methods\SIMCL_VN6705_082024.M
 Quant Title : Standard Methods 6200B
 QLast Update : Wed May 22 11:09:52 2024
 Response via : Initial Calibration



(23) 1,2-Dibromo-3-Chloropropane

13.189min (+0.020) 1.09ug/L m

response 271

Ion	Exp%	Act%
75.00	100	100
155.00	95.00	76.11
157.00	121.70	94.69
39.00	85.30	180.53#

7.6.1.2
7

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\08-20-24\
 Data File : N0132201.D
 Acq On : 20 Aug 2024 10:41 am
 Operator : jeniferw
 Sample : IC6705-4
 Misc : MS57318,VN6705,,,,,
 ALS Vial : 5 Sample Multiplier: 1

Quant Time: Aug 20 10:59:46 2024
 Quant Method : C:\msdchem\1\methods\SIMCL_VN6705_082024.M
 Quant Title : Standard Methods 6200B
 QLast Update : Wed May 22 11:09:52 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

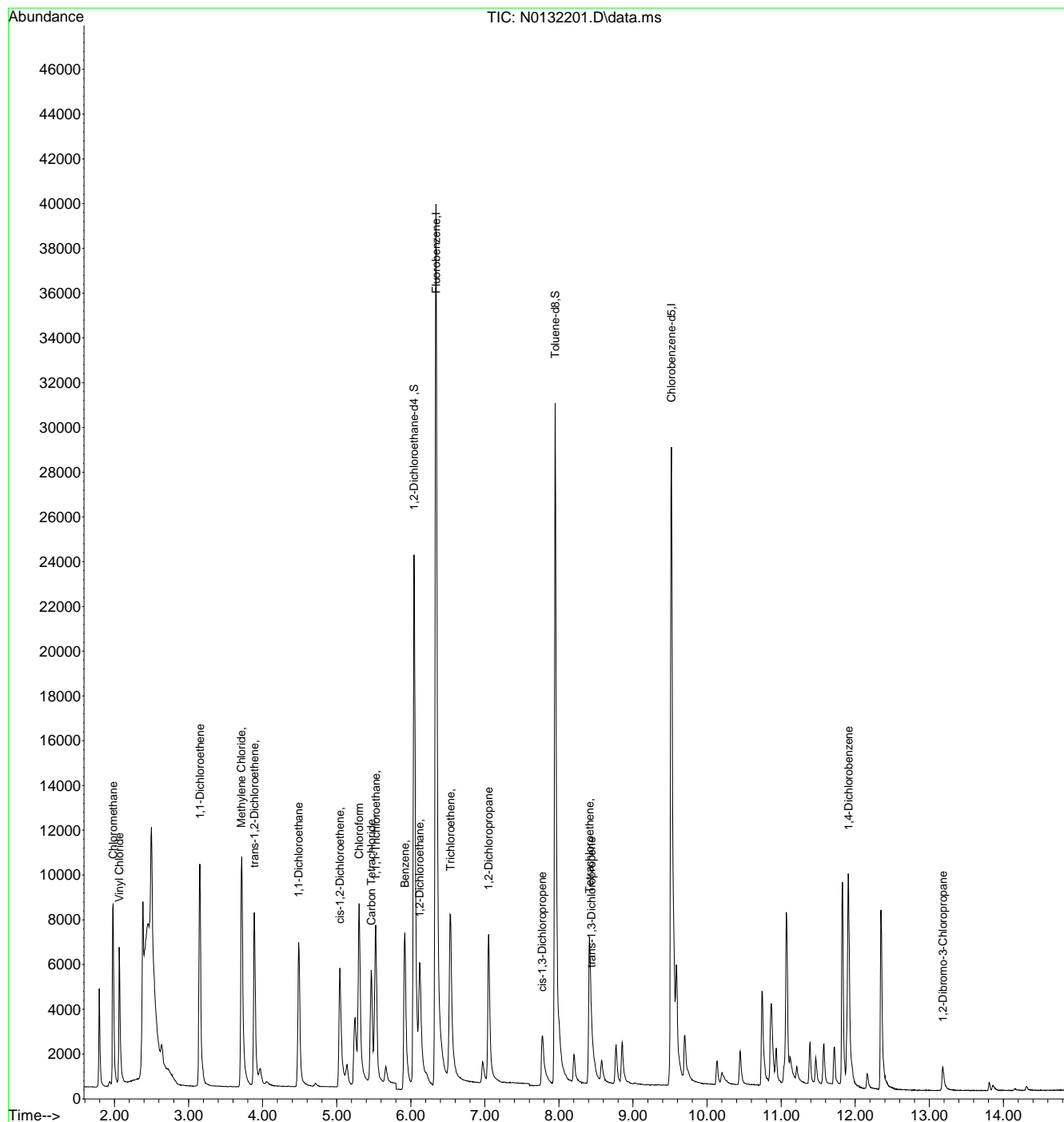
Internal Standards						
1) Fluorobenzene	6.341	96	50648	5.00	ug/L	0.00
18) Chlorobenzene-d5	9.519	117	35540	5.00	ug/L	0.00
System Monitoring Compounds						
13) 1,2-Dichloroethane-d4	6.045	65	22204	6.08	ug/L	0.00
Spiked Amount	5.000	Range 74 - 125	Recovery	=	121.60%	
19) Toluene-d8	7.951	98	35982	5.10	ug/L	0.00
Spiked Amount	5.000	Range 88 - 111	Recovery	=	102.00%	
Target Compounds						
						Qvalue
2) Vinyl Chloride	2.065	62	5841	3.98	ug/L	94
3) Chloromethane	1.982	50	8302	4.86	ug/L	99
4) 1,1-Dichloroethene	3.152	61	7294	3.75	ug/L	91
5) Methylene Chloride	3.712	49	10894	4.43	ug/L	75
6) trans-1,2-Dichloroethene	3.888	61	6014	3.40	ug/L	87
7) 1,1-Dichloroethane	4.487	63	8339	3.45	ug/L	95
8) cis-1,2-Dichloroethene	5.041	96	3496	2.54	ug/L #	77
9) Chloroform	5.303	83	8721	2.99	ug/L	94
10) Carbon Tetrachloride	5.466	117	3737	2.70	ug/L	97
11) 1,1,1-Trichloroethane	5.527	97	5256	2.49	ug/L	89
12) Benzene	5.919	78	13106	3.13	ug/L	90
14) 1,2-Dichloroethane	6.121	62	6527	3.34	ug/L	93
15) Trichloroethene	6.537	95	3617	2.59	ug/L	93
16) 1,2-Dichloropropane	7.053	63	4202	3.49	ug/L	92
17) cis-1,3-Dichloropropene	7.774	75	3251	2.81	ug/L	91
20) trans-1,3-Dichloropropene	8.440	75	3079	2.67	ug/L	89
21) Tetrachloroethene	8.413	166	3763	2.28	ug/L #	96
22) 1,4-Dichlorobenzene	11.909	146	8216	2.47	ug/L	88
23) 1,2-Dibromo-3-Chloropr...	13.183	75	654	2.26	ug/L #	70

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\08-20-24\
 Data File : N0132201.D
 Acq On : 20 Aug 2024 10:41 am
 Operator : jeniferw
 Sample : IC6705-4
 Misc : MS57318,VN6705,,,,,
 ALS Vial : 5 Sample Multiplier: 1

Quant Time: Aug 20 10:59:46 2024
 Quant Method : C:\msdchem\1\methods\SIMCL_VN6705_082024.M
 Quant Title : Standard Methods 6200B
 QLast Update : Wed May 22 11:09:52 2024
 Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\08-20-24\
 Data File : N0132202.D
 Acq On : 20 Aug 2024 11:04 am
 Operator : jeniferw
 Sample : ICC6705-5
 Misc : MS57318,VN6705,,,,,
 ALS Vial : 6 Sample Multiplier: 1

Quant Time: Aug 20 11:20:16 2024
 Quant Method : C:\msdchem\1\methods\SIMCL_VN6705_082024.M
 Quant Title : Standard Methods 6200B
 QLast Update : Wed May 22 11:09:52 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	

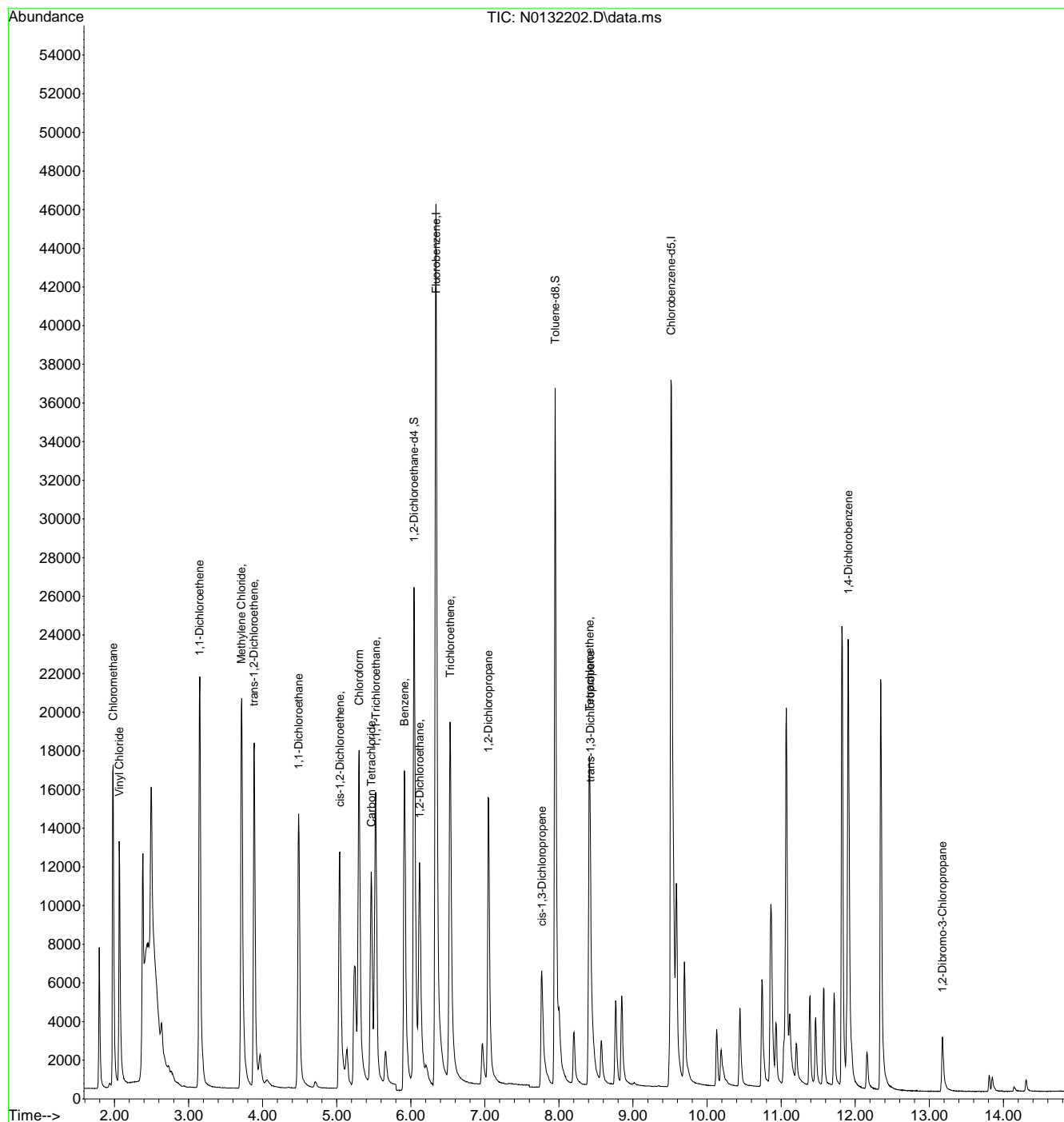
Internal Standards							
1) Fluorobenzene	6.341	96	57601	5.00	ug/L	0.00	
18) Chlorobenzene-d5	9.514	117	36791	5.00	ug/L	0.00	
System Monitoring Compounds							
13) 1,2-Dichloroethane-d4	6.045	65	24119	5.81	ug/L	0.00	
Spiked Amount	5.000	Range 74 - 125	Recovery	=	116.20%		
19) Toluene-d8	7.951	98	40760	5.58	ug/L	0.00	
Spiked Amount	5.000	Range 88 - 111	Recovery	=	111.60%#		
Target Compounds							
							Qvalue
2) Vinyl Chloride	2.065	62	12559	7.52	ug/L		94
3) Chloromethane	1.982	50	17210	8.86	ug/L		99
4) 1,1-Dichloroethene	3.147	61	15828	7.16	ug/L		85
5) Methylene Chloride	3.712	49	21315	7.62	ug/L		75
6) trans-1,2-Dichloroethene	3.883	61	13357	6.63	ug/L		82
7) 1,1-Dichloroethane	4.487	63	17936	6.52	ug/L		96
8) cis-1,2-Dichloroethene	5.042	96	7655	4.88	ug/L #		81
9) Chloroform	5.303	83	17762	5.35	ug/L		94
10) Carbon Tetrachloride	5.466	117	8068	5.13	ug/L		97
11) 1,1,1-Trichloroethane	5.527	97	11455	4.78	ug/L		92
12) Benzene	5.915	78	28737	6.04	ug/L		90
14) 1,2-Dichloroethane	6.121	62	14104	6.35	ug/L		93
15) Trichloroethene	6.531	95	8092	5.10	ug/L		88
16) 1,2-Dichloropropane	7.047	63	9164	6.70	ug/L		93
17) cis-1,3-Dichloropropene	7.769	75	7699	5.84	ug/L		91
20) trans-1,3-Dichloropropene	8.424	75	7735	6.47	ug/L		89
21) Tetrachloroethene	8.413	166	8026	4.71	ug/L #		98
22) 1,4-Dichlorobenzene	11.906	146	18712	5.44	ug/L		91
23) 1,2-Dibromo-3-Chloropr...	13.176	75	1582	5.29	ug/L #		72

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\08-20-24\
Data File : N0132202.D
Acq On : 20 Aug 2024 11:04 am
Operator : jeniferw
Sample : ICC6705-5
Misc : MS57318,VN6705,,,,,
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Aug 20 11:20:16 2024
Quant Method : C:\msdchem\1\methods\SIMCL_VN6705_082024.M
Quant Title : Standard Methods 6200B
QLast Update : Wed May 22 11:09:52 2024
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\08-20-24\
 Data File : N0132203.D
 Acq On : 20 Aug 2024 11:28 am
 Operator : jeniferw
 Sample : IC6705-6
 Misc : MS57318,VN6705,,,,,
 ALS Vial : 7 Sample Multiplier: 1

Quant Time: Aug 20 11:51:08 2024
 Quant Method : C:\msdchem\1\methods\SIMCL_VN6705_082024.M
 Quant Title : Standard Methods 6200B
 QLast Update : Wed May 22 11:09:52 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	

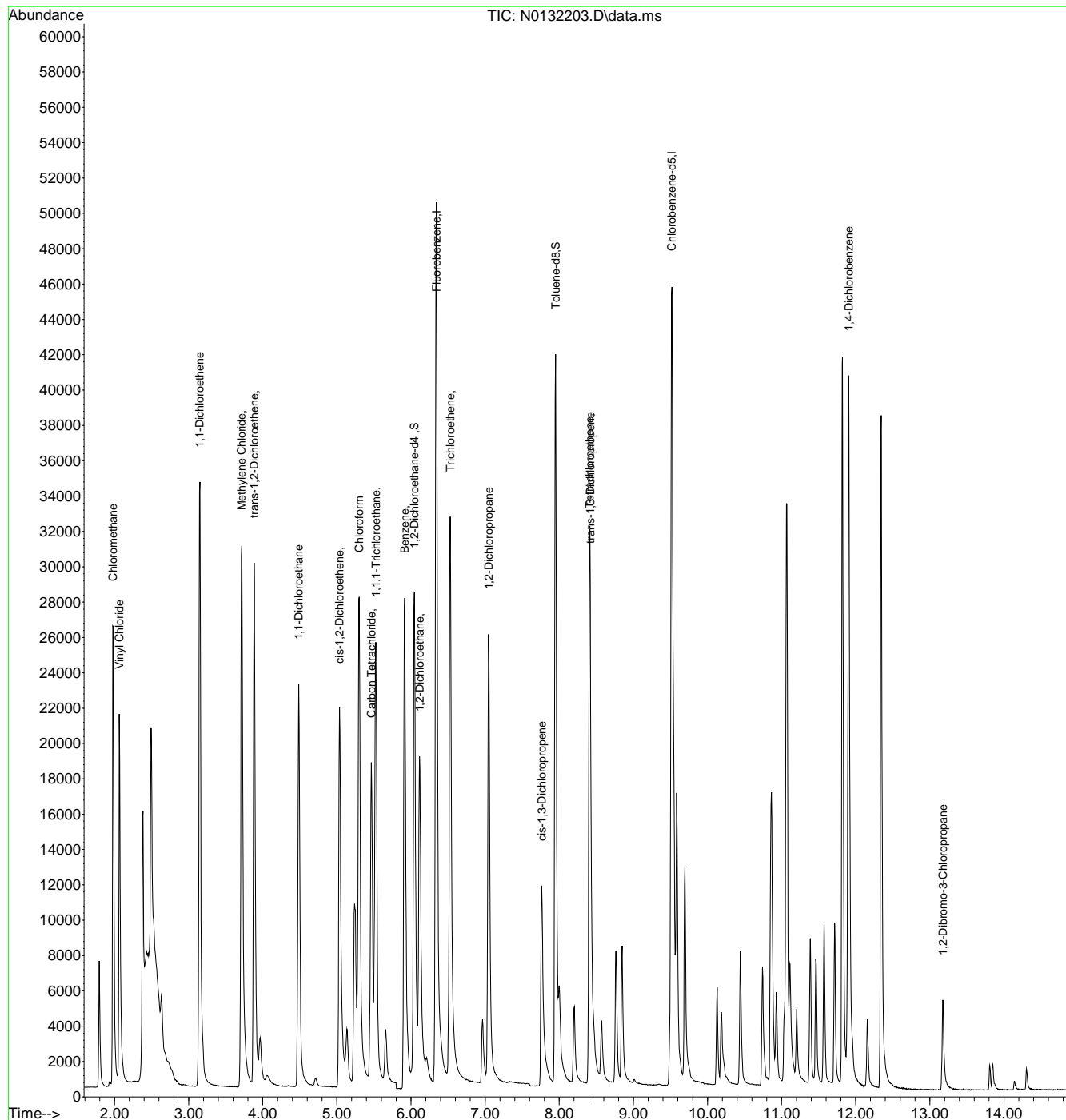
Internal Standards							
1) Fluorobenzene	6.341	96	62820	5.00	ug/L	0.00	
18) Chlorobenzene-d5	9.514	117	41500	5.00	ug/L	0.00	
System Monitoring Compounds							
13) 1,2-Dichloroethane-d4	6.045	65	26036	5.75	ug/L	0.00	
Spiked Amount	5.000	Range 74 - 125	Recovery	=	115.00%		
19) Toluene-d8	7.951	98	45907	5.57	ug/L	0.00	
Spiked Amount	5.000	Range 88 - 111	Recovery	=	111.40%#		
Target Compounds							
							Qvalue
2) Vinyl Chloride	2.065	62	20844	11.45	ug/L		94
3) Chloromethane	1.977	50	27127	12.80	ug/L		99
4) 1,1-Dichloroethene	3.147	61	25712	10.66	ug/L		86
5) Methylene Chloride	3.712	49	32479	10.65	ug/L		76
6) trans-1,2-Dichloroethene	3.883	61	21918	9.98	ug/L		84
7) 1,1-Dichloroethane	4.487	63	28686	9.56	ug/L		98
8) cis-1,2-Dichloroethene	5.036	96	12700	7.43	ug/L #		75
9) Chloroform	5.303	83	28040	7.75	ug/L		96
10) Carbon Tetrachloride	5.466	117	13283	7.75	ug/L		96
11) 1,1,1-Trichloroethane	5.527	97	18815	7.20	ug/L		91
12) Benzene	5.915	78	46884	9.04	ug/L		92
14) 1,2-Dichloroethane	6.116	62	22194	9.17	ug/L		93
15) Trichloroethene	6.531	95	13449	7.77	ug/L		90
16) 1,2-Dichloropropane	7.047	63	14788	9.92	ug/L		93
17) cis-1,3-Dichloropropene	7.764	75	13326	9.28	ug/L		90
20) trans-1,3-Dichloropropene	8.418	75	13780	10.23	ug/L		89
21) Tetrachloroethene	8.407	166	13210	6.87	ug/L #		98
22) 1,4-Dichlorobenzene	11.906	146	30877	7.96	ug/L		93
23) 1,2-Dibromo-3-Chloropr...	13.176	75	2628	7.79	ug/L		77

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\08-20-24\
 Data File : N0132203.D
 Acq On : 20 Aug 2024 11:28 am
 Operator : jeniferw
 Sample : IC6705-6
 Misc : MS57318,VN6705,,,,,
 ALS Vial : 7 Sample Multiplier: 1

Quant Time: Aug 20 11:51:08 2024
 Quant Method : C:\msdchem\1\methods\SIMCL_VN6705_082024.M
 Quant Title : Standard Methods 6200B
 QLast Update : Wed May 22 11:09:52 2024
 Response via : Initial Calibration



7.6.4
7



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\08-20-24\
 Data File : N0132204.D
 Acq On : 20 Aug 2024 11:51 am
 Operator : jeniferw
 Sample : IC6705-7
 Misc : MS57318,VN6705,,,,,
 ALS Vial : 8 Sample Multiplier: 1

Quant Time: Aug 20 12:07:12 2024
 Quant Method : C:\msdchem\1\methods\SIMCL_VN6705_082024.M
 Quant Title : Standard Methods 6200B
 QLast Update : Tue Aug 20 11:59:16 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	

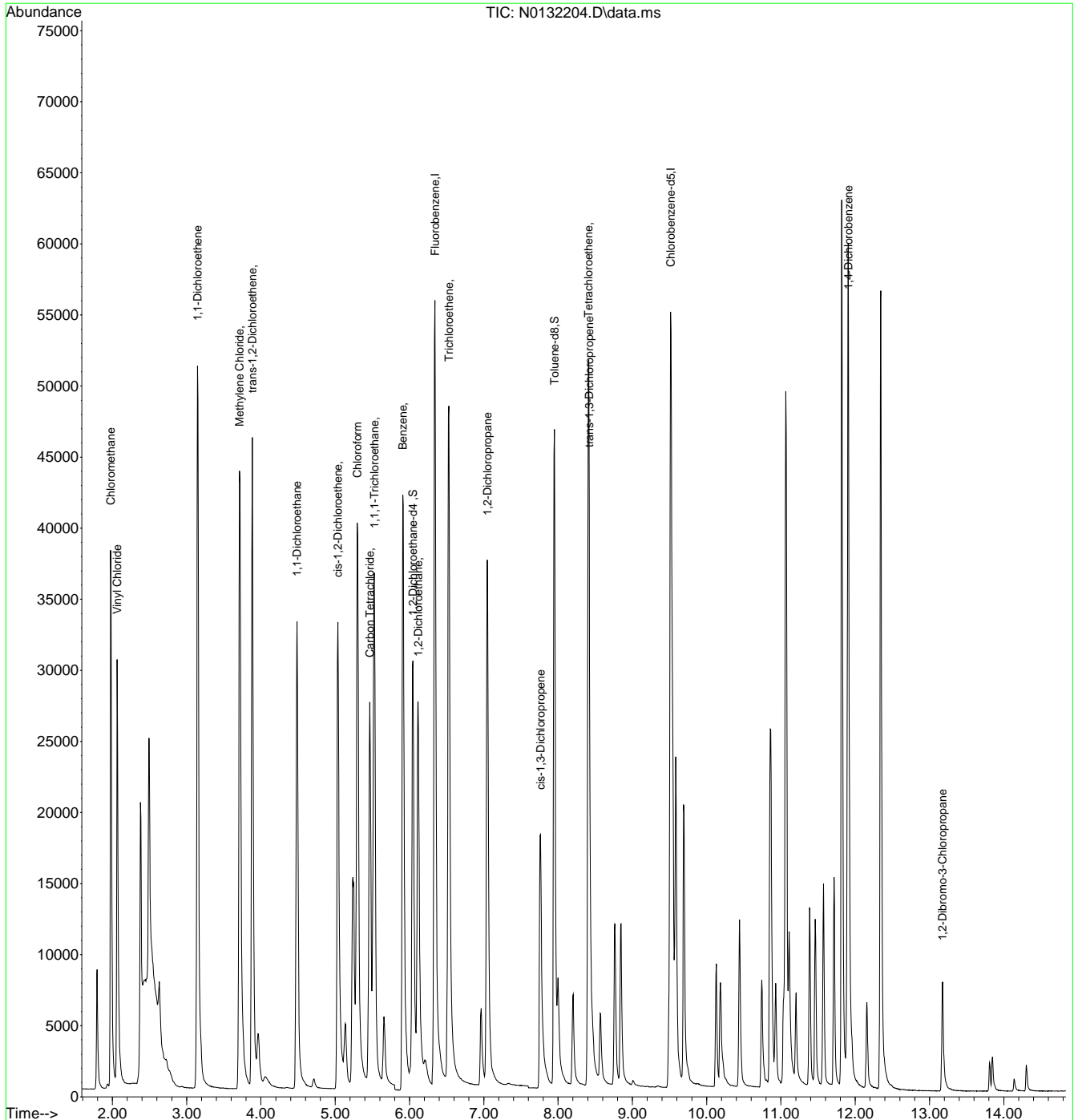
Internal Standards							
1) Fluorobenzene	6.341	96	69391	5.00	ug/L	0.00	
18) Chlorobenzene-d5	9.514	117	46307	5.00	ug/L	0.00	
System Monitoring Compounds							
13) 1,2-Dichloroethane-d4	6.045	65	27853	4.48	ug/L	0.00	
Spiked Amount	5.000	Range 74 - 125	Recovery	=	89.60%		
19) Toluene-d8	7.951	98	50729	4.98	ug/L	0.00	
Spiked Amount	5.000	Range 88 - 111	Recovery	=	99.60%		
Target Compounds							
							Qvalue
2) Vinyl Chloride	2.065	62	29031	14.67	ug/L		99
3) Chloromethane	1.977	50	37619	13.89	ug/L		97
4) 1,1-Dichloroethene	3.147	61	37603	17.34	ug/L		96
5) Methylene Chloride	3.712	49	45706	15.45	ug/L		96
6) trans-1,2-Dichloroethene	3.883	61	32274	17.55	ug/L		96
7) 1,1-Dichloroethane	4.487	63	41444	16.53	ug/L		98
8) cis-1,2-Dichloroethene	5.036	96	18767	17.98	ug/L		98
9) Chloroform	5.296	83	40115	13.76	ug/L		96
10) Carbon Tetrachloride	5.466	117	19636	18.02	ug/L		99
11) 1,1,1-Trichloroethane	5.527	97	27467	17.28	ug/L		99
12) Benzene	5.910	78	69333	17.40	ug/L		100
14) 1,2-Dichloroethane	6.116	62	31799	17.96	ug/L		99
15) Trichloroethene	6.531	95	19716	17.66	ug/L		96
16) 1,2-Dichloropropane	7.047	63	21581	18.03	ug/L		99
17) cis-1,3-Dichloropropene	7.763	75	20502	22.35	ug/L		99
20) trans-1,3-Dichloropropene	8.418	75	21425	26.00	ug/L		97
21) Tetrachloroethene	8.407	166	19204	16.95	ug/L #		97
22) 1,4-Dichlorobenzene	11.906	146	44673	18.33	ug/L		96
23) 1,2-Dibromo-3-Chloropr...	13.172	75	3812	18.20	ug/L		96

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\08-20-24\
 Data File : N0132204.D
 Acq On : 20 Aug 2024 11:51 am
 Operator : jeniferw
 Sample : IC6705-7
 Misc : MS57318,VN6705,,,,,
 ALS Vial : 8 Sample Multiplier: 1

Quant Time: Aug 20 12:07:12 2024
 Quant Method : C:\msdchem\1\methods\SIMCL_VN6705_082024.M
 Quant Title : Standard Methods 6200B
 QLast Update : Tue Aug 20 11:59:16 2024
 Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\08-20-24\
 Data File : N0132207.D
 Acq On : 20 Aug 2024 1:05 pm
 Operator : jeniferw
 Sample : IC6705-1
 Misc : MS57318,VN6705,,,,,
 ALS Vial : 11 Sample Multiplier: 1

Quant Time: Aug 20 13:21:18 2024
 Quant Method : C:\msdchem\1\methods\SIMCL_VN6705_082024.M
 Quant Title : Standard Methods 6200B
 QLast Update : Tue Aug 20 12:28:26 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

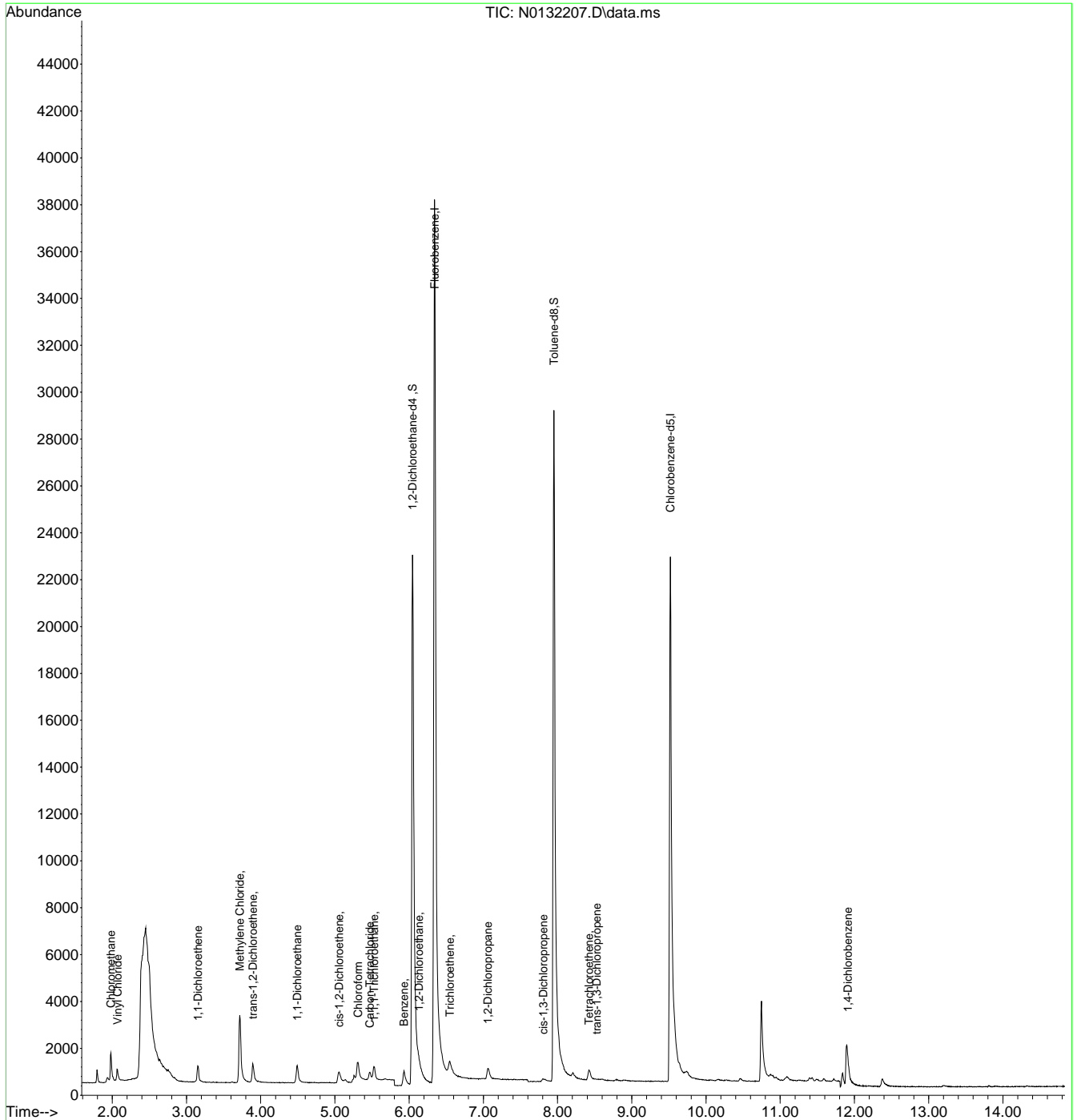
Internal Standards						
1) Fluorobenzene	6.341	96	49779	5.00	ug/L	0.00
18) Chlorobenzene-d5	9.519	117	31002	5.00	ug/L	0.00
System Monitoring Compounds						
13) 1,2-Dichloroethane-d4	6.045	65	21712	4.94	ug/L	0.00
Spiked Amount	5.000	Range 74 - 125	Recovery	=	98.80%	
19) Toluene-d8	7.951	98	36102	5.30	ug/L	0.00
Spiked Amount	5.000	Range 88 - 111	Recovery	=	106.00%	
Target Compounds						
						Qvalue
2) Vinyl Chloride	2.070	62	522	0.38	ug/L	95
3) Chloromethane	1.982	50	1298	0.70	ug/L	97
4) 1,1-Dichloroethene	3.152	61	535	0.38	ug/L	94
5) Methylene Chloride	3.718	49	3088	1.52	ug/L	93
6) trans-1,2-Dichloroethene	3.894	61	698	0.54	ug/L	95
7) 1,1-Dichloroethane	4.492	63	957	0.55	ug/L	91
8) cis-1,2-Dichloroethene	5.058	96	335	0.45	ug/L	95
9) Chloroform	5.310	83	1449	0.73	ug/L	94
10) Carbon Tetrachloride	5.473	117	253	0.33	ug/L	94
11) 1,1,1-Trichloroethane	5.527	97	441	0.40	ug/L	91
12) Benzene	5.931	78	1563	0.56	ug/L	97
14) 1,2-Dichloroethane	6.129	62	319	0.25	ug/L	80
15) Trichloroethene	6.549	95	410	0.52	ug/L	96
16) 1,2-Dichloropropane	7.058	63	373	0.44	ug/L	88
17) cis-1,3-Dichloropropene	7.807	75	217	0.32	ug/L	73
20) trans-1,3-Dichloropropene	8.528	75	94	0.16	ug/L	74
21) Tetrachloroethene	8.424	166	328	0.44	ug/L #	91
22) 1,4-Dichlorobenzene	11.913	146	897	0.56	ug/L #	26

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\08-20-24\
 Data File : N0132207.D
 Acq On : 20 Aug 2024 1:05 pm
 Operator : jeniferw
 Sample : IC6705-1
 Misc : MS57318,VN6705,,,,,
 ALS Vial : 11 Sample Multiplier: 1

Quant Time: Aug 20 13:21:18 2024
 Quant Method : C:\msdchem\1\methods\SIMCL_VN6705_082024.M
 Quant Title : Standard Methods 6200B
 QLast Update : Tue Aug 20 12:28:26 2024
 Response via : Initial Calibration



9.9.7

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\08-20-24\
 Data File : N0132208.D
 Acq On : 20 Aug 2024 1:28 pm
 Operator : jeniferw
 Sample : IC6705-2
 Misc : MS57318,VN6705,,,,,
 ALS Vial : 12 Sample Multiplier: 1

Quant Time: Aug 20 13:44:15 2024
 Quant Method : C:\msdchem\1\methods\SIMCL_VN6705_082024.M
 Quant Title : Standard Methods 6200B
 QLast Update : Tue Aug 20 13:23:25 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	

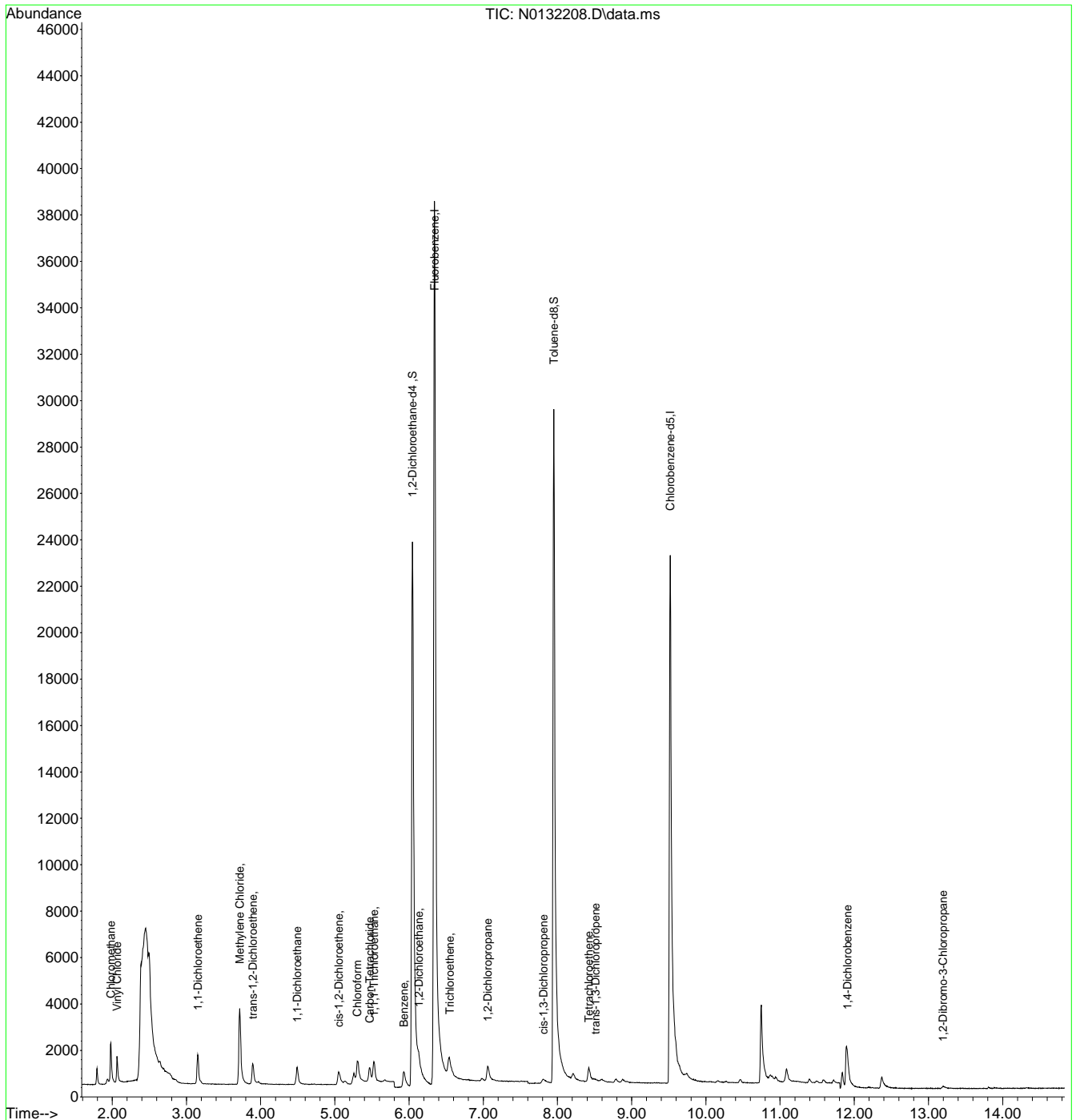
Internal Standards							
1) Fluorobenzene	6.341	96	50625	5.00	ug/L	0.00	
18) Chlorobenzene-d5	9.519	117	31825	5.00	ug/L	0.00	
System Monitoring Compounds							
13) 1,2-Dichloroethane-d4	6.045	65	22163	5.02	ug/L	0.00	
Spiked Amount	5.000	Range 74 - 125	Recovery	=	100.40%		
19) Toluene-d8	7.950	98	36684	5.24	ug/L	0.00	
Spiked Amount	5.000	Range 88 - 111	Recovery	=	104.80%		
Target Compounds							
							Qvalue
2) Vinyl Chloride	2.065	62	1030	0.92	ug/L		99
3) Chloromethane	1.982	50	1890	1.01	ug/L		99
4) 1,1-Dichloroethene	3.152	61	929	0.60	ug/L		88
5) Methylene Chloride	3.718	49	3350	1.63	ug/L		88
6) trans-1,2-Dichloroethene	3.894	61	770	0.59	ug/L		95
7) 1,1-Dichloroethane	4.492	63	1009	0.57	ug/L		96
8) cis-1,2-Dichloroethene	5.052	96	467	0.62	ug/L		94
9) Chloroform	5.303	83	1576	0.78	ug/L		93
10) Carbon Tetrachloride	5.473	117	471	0.60	ug/L		97
11) 1,1,1-Trichloroethane	5.527	97	672	0.59	ug/L		94
12) Benzene	5.931	78	1712	0.60	ug/L		96
14) 1,2-Dichloroethane	6.129	62	723	0.56	ug/L		98
15) Trichloroethene	6.548	95	489	0.61	ug/L		93
16) 1,2-Dichloropropane	7.058	63	526	0.61	ug/L		92
17) cis-1,3-Dichloropropene	7.813	75	347	0.51	ug/L		78
20) trans-1,3-Dichloropropene	8.512	75	218	0.37	ug/L #		59
21) Tetrachloroethene	8.424	166	449	0.59	ug/L #		96
22) 1,4-Dichlorobenzene	11.909	146	1037	0.63	ug/L #		32
23) 1,2-Dibromo-3-Chloropr...	13.196	75	123m	0.87	ug/L		

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\08-20-24\
 Data File : N0132208.D
 Acq On : 20 Aug 2024 1:28 pm
 Operator : jeniferw
 Sample : IC6705-2
 Misc : MS57318,VN6705,,,,,
 ALS Vial : 12 Sample Multiplier: 1

Quant Time: Aug 20 13:44:15 2024
 Quant Method : C:\msdchem\1\methods\SIMCL_VN6705_082024.M
 Quant Title : Standard Methods 6200B
 QLast Update : Tue Aug 20 13:23:25 2024
 Response via : Initial Calibration



Manual Integration Approval Summary

Sample Number: VN6705-IC6705 **Method:** SW846 8260D BY SIM
Lab FileID: N0132208.D **Analyst approved:** 08/20/24 14:18 Jenifer Willis
Injection Time: 08/20/24 13:28 **Supervisor approved:** 08/20/24 14:44 Karen Watson

Parameter	CAS	Sig#	R.T. (min.)	Reason
1,2-Dibromo-3-chloropropane	96-12-8		13.20	Missed peak

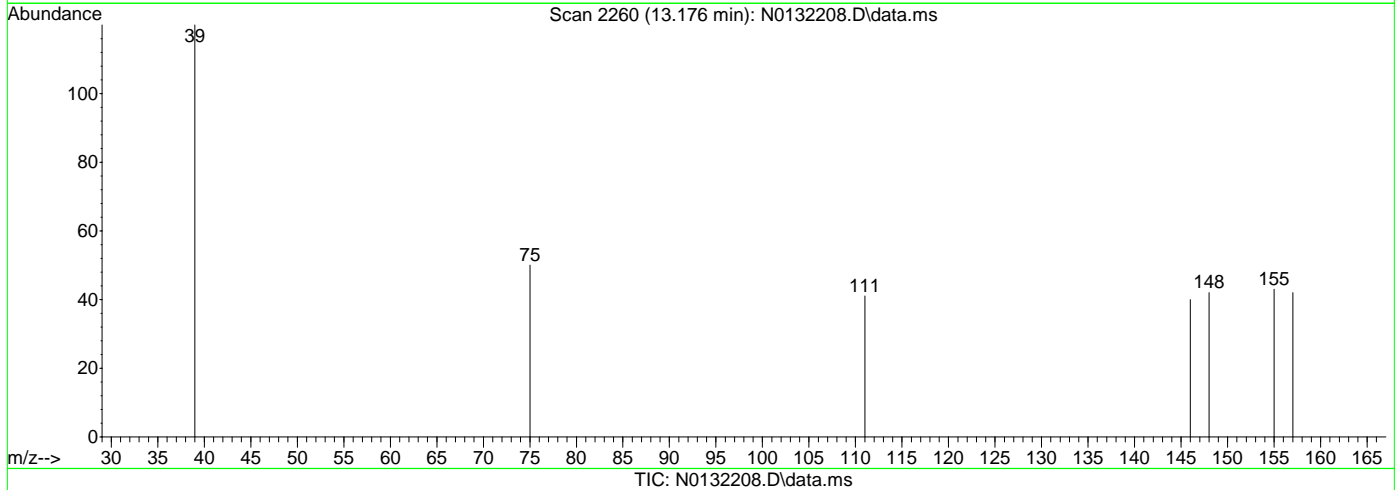
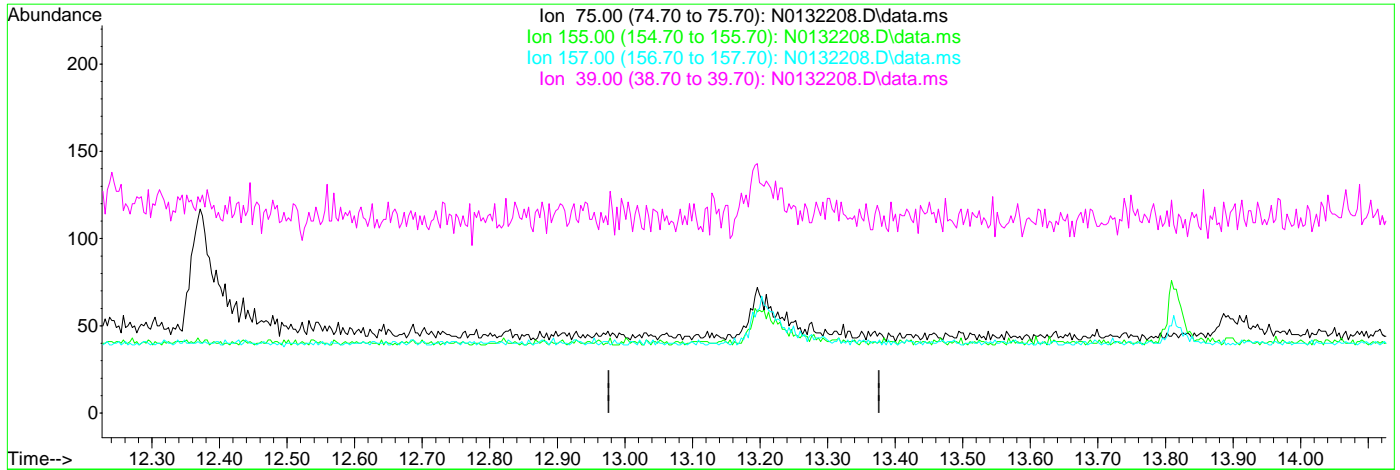
7.6.7.1

7

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\08-20-24\
 Data File : N0132208.D
 Acq On : 20 Aug 2024 1:28 pm
 Operator : jeniferw
 Sample : IC6705-2
 Misc : MS57274,VN6705,,,,,
 ALS Vial : 12 Sample Multiplier: 1

Quant Time: Aug 20 13:44:05 2024
 Quant Method : C:\msdchem\1\methods\SIMCL_VN6705_082024.M
 Quant Title : Standard Methods 6200B
 QLast Update : Tue Aug 20 13:23:25 2024
 Response via : Initial Calibration



(23) 1,2-Dibromo-3-Chloropropane

13.176min (-13.176) 0.00ug/L

response 0

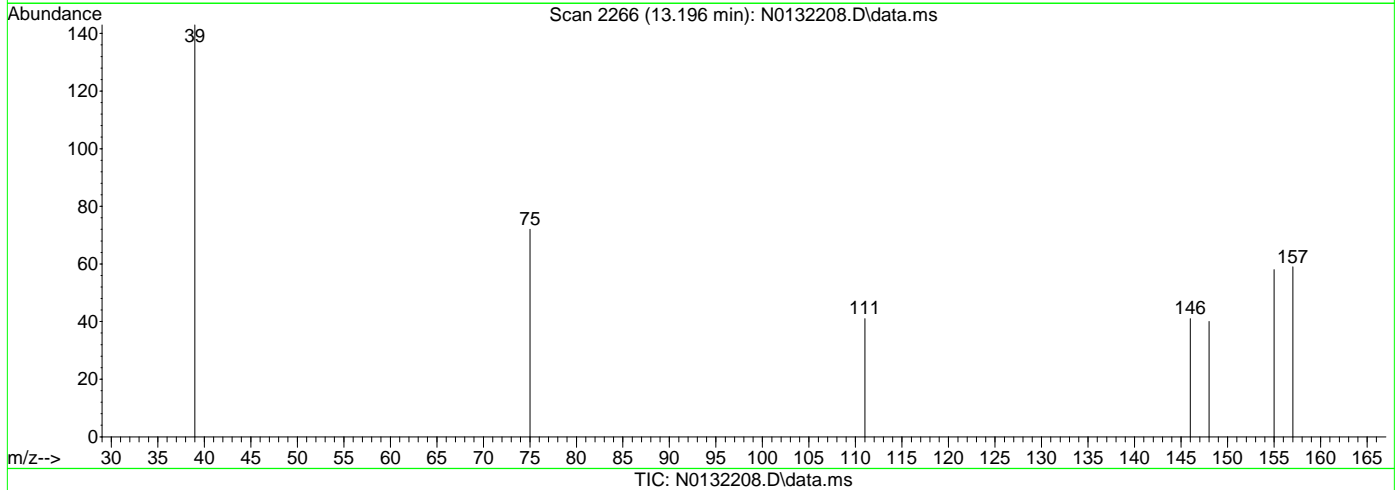
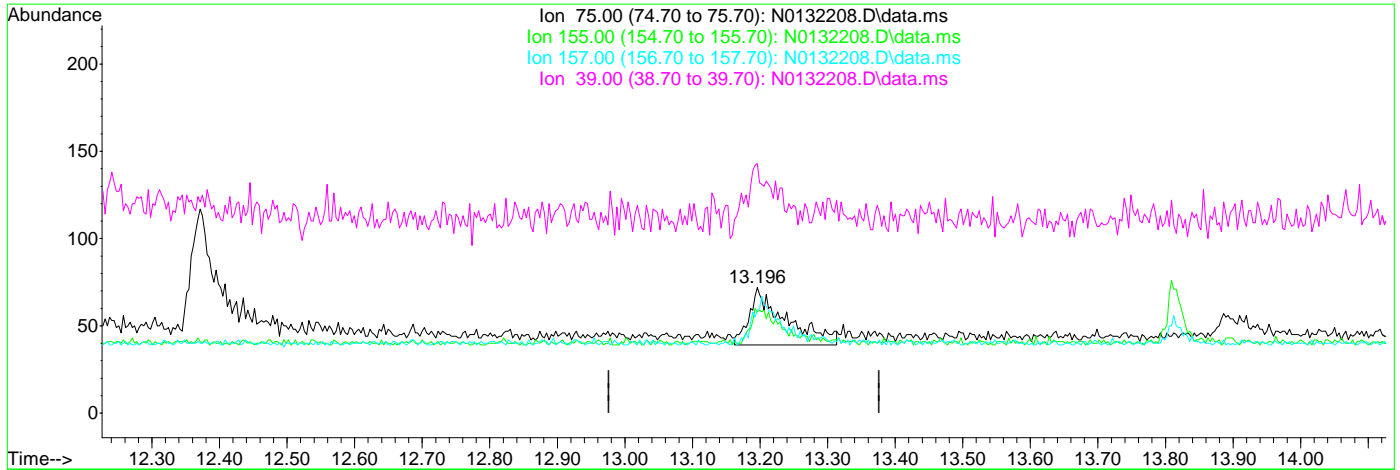
Ion	Exp%	Act%
75.00	100	0.00
155.00	72.00	0.00#
157.00	87.40	0.00#
39.00	113.50	0.00#

7.6.7.2
7

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\08-20-24\
 Data File : N0132208.D
 Acq On : 20 Aug 2024 1:28 pm
 Operator : jeniferw
 Sample : IC6705-2
 Misc : MS57274,VN6705,,,,,
 ALS Vial : 12 Sample Multiplier: 1

Quant Time: Aug 20 13:44:05 2024
 Quant Method : C:\msdchem\1\methods\SIMCL_VN6705_082024.M
 Quant Title : Standard Methods 6200B
 QLast Update : Tue Aug 20 13:23:25 2024
 Response via : Initial Calibration



(23) 1,2-Dibromo-3-Chloropropane

13.196min (+0.020) 0.87ug/L m

response 123

Ion	Exp%	Act%
75.00	100	100
155.00	72.00	80.56
157.00	87.40	81.94
39.00	113.50	198.61#

7.6.7.3
7

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\08-20-24\
 Data File : N0132209.D
 Acq On : 20 Aug 2024 1:52 pm
 Operator : jeniferw
 Sample : ICV6705-5
 Misc : MS57318,VN6705,,,,,
 ALS Vial : 13 Sample Multiplier: 1

Quant Time: Aug 20 14:07:51 2024
 Quant Method : C:\msdchem\1\methods\SIMCL_VN6705_082024.M
 Quant Title : Standard Methods 6200B
 QLast Update : Tue Aug 20 14:01:28 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	

Internal Standards							
1) Fluorobenzene	6.341	96	60876	5.00	ug/L	0.00	
18) Chlorobenzene-d5	9.519	117	38477	5.00	ug/L	0.00	
System Monitoring Compounds							
13) 1,2-Dichloroethane-d4	6.045	65	24856	4.75	ug/L	0.00	
Spiked Amount	5.000	Range 74 - 125	Recovery	=	95.00%		
19) Toluene-d8	7.950	98	44023	5.18	ug/L	0.00	
Spiked Amount	5.000	Range 88 - 111	Recovery	=	103.60%		
Target Compounds							
							Qvalue
2) Vinyl Chloride	2.065	62	11230	8.34	ug/L		100
3) Chloromethane	1.977	50	14558	8.09	ug/L		99
4) 1,1-Dichloroethene	3.147	61	18570	10.37	ug/L		99
5) Methylene Chloride	3.712	49	25489	10.75	ug/L		99
6) trans-1,2-Dichloroethene	3.883	61	16100	10.77	ug/L		99
7) 1,1-Dichloroethane	4.487	63	21110	10.51	ug/L		100
8) cis-1,2-Dichloroethene	5.041	96	9214	10.51	ug/L		96
9) Chloroform	5.303	83	21095	10.63	ug/L		99
10) Carbon Tetrachloride	5.466	117	9791	10.75	ug/L		97
11) 1,1,1-Trichloroethane	5.527	97	14177	10.94	ug/L		100
12) Benzene	5.915	78	34837	10.71	ug/L		99
14) 1,2-Dichloroethane	6.120	62	16914	11.01	ug/L		98
15) Trichloroethene	6.531	95	10005	10.93	ug/L		99
16) 1,2-Dichloropropane	7.046	63	11103	10.82	ug/L		99
17) cis-1,3-Dichloropropene	7.769	75	9207	11.33	ug/L		99
20) trans-1,3-Dichloropropene	8.424	75	8519	10.99	ug/L		97
21) Tetrachloroethene	8.407	166	10078	11.63	ug/L #		97
22) 1,4-Dichlorobenzene	11.906	146	22317	11.35	ug/L		99
23) 1,2-Dibromo-3-Chloropr...	13.179	75	1753	10.88	ug/L		98

(#) = qualifier out of range (m) = manual integration (+) = signals summed

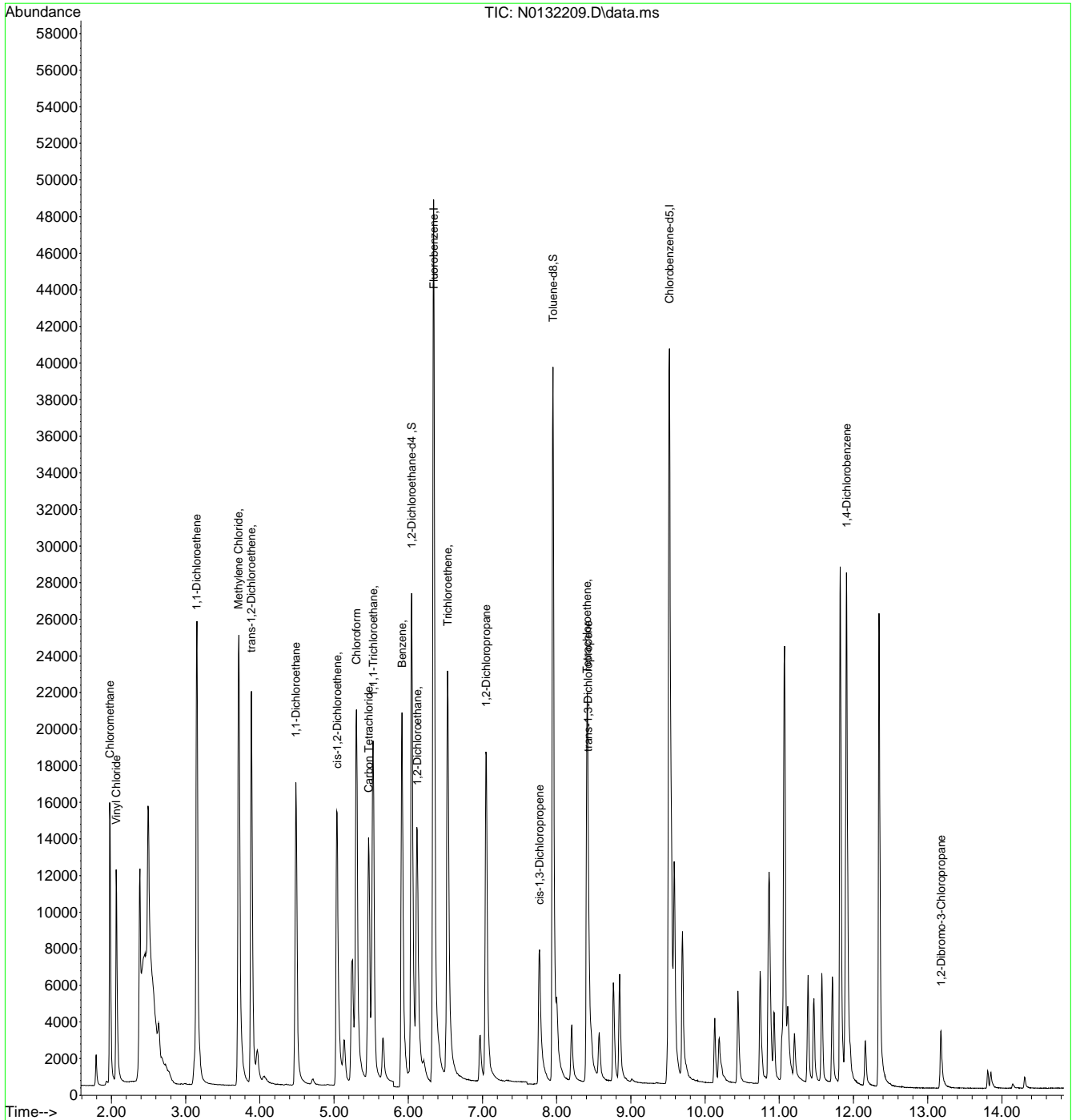


7.6.8
7

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\08-20-24\
 Data File : N0132209.D
 Acq On : 20 Aug 2024 1:52 pm
 Operator : jeniferw
 Sample : ICV6705-5
 Misc : MS57318,VN6705,,,,,
 ALS Vial : 13 Sample Multiplier: 1

Quant Time: Aug 20 14:07:51 2024
 Quant Method : C:\msdchem\1\methods\SIMCL_VN6705_082024.M
 Quant Title : Standard Methods 6200B
 QLast Update : Tue Aug 20 14:01:28 2024
 Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\08-29-24\
 Data File : N0132342.D
 Acq On : 29 Aug 2024 6:49 am
 Operator : jeniferw
 Sample : CC6705-5
 Misc : MS57378,VN6711,,,,,
 ALS Vial : 2 Sample Multiplier: 1

Quant Time: Aug 29 07:33:06 2024
 Quant Method : C:\msdchem\1\methods\SIMCL_VN6705_082024.M
 Quant Title : Standard Methods 6200B
 QLast Update : Tue Aug 20 14:01:28 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	

Internal Standards							
1) Fluorobenzene	6.335	96	59336	5.00	ug/L	0.00	
18) Chlorobenzene-d5	9.514	117	39178	5.00	ug/L	0.00	
System Monitoring Compounds							
13) 1,2-Dichloroethane-d4	6.041	65	24308	4.76	ug/L	0.00	
Spiked Amount	5.000	Range 74 - 125	Recovery	=	95.20%		
19) Toluene-d8	7.945	98	43840	5.07	ug/L	0.00	
Spiked Amount	5.000	Range 88 - 111	Recovery	=	101.40%		
Target Compounds							
							Qvalue
2) Vinyl Chloride	2.059	62	19184	14.61	ug/L		98
3) Chloromethane	1.977	50	20839	11.89	ug/L		99
4) 1,1-Dichloroethene	3.147	61	15809	9.05	ug/L		89
5) Methylene Chloride	3.712	49	31290	14.71	ug/L		86
6) trans-1,2-Dichloroethene	3.883	61	14367	9.86	ug/L		90
7) 1,1-Dichloroethane	4.481	63	19630	10.03	ug/L		99
8) cis-1,2-Dichloroethene	5.036	96	8764	10.26	ug/L		95
9) Chloroform	5.296	83	19612	10.05	ug/L		98
10) Carbon Tetrachloride	5.466	117	7497	8.45	ug/L		98
11) 1,1,1-Trichloroethane	5.520	97	11811	9.35	ug/L		97
12) Benzene	5.911	78	31572	9.96	ug/L		98
14) 1,2-Dichloroethane	6.112	62	14762	9.86	ug/L		98
15) Trichloroethene	6.531	95	8803	9.87	ug/L		96
16) 1,2-Dichloropropane	7.047	63	9957	9.96	ug/L		98
17) cis-1,3-Dichloropropene	7.758	75	8385	10.59	ug/L		97
20) trans-1,3-Dichloropropene	8.419	75	8381	10.68	ug/L		94
21) Tetrachloroethene	8.408	166	8904	10.09	ug/L #		98
22) 1,4-Dichlorobenzene	11.903	146	21131	10.55	ug/L		98
23) 1,2-Dibromo-3-Chloropr...	13.173	75	1507	9.19	ug/L		90

(#) = qualifier out of range (m) = manual integration (+) = signals summed

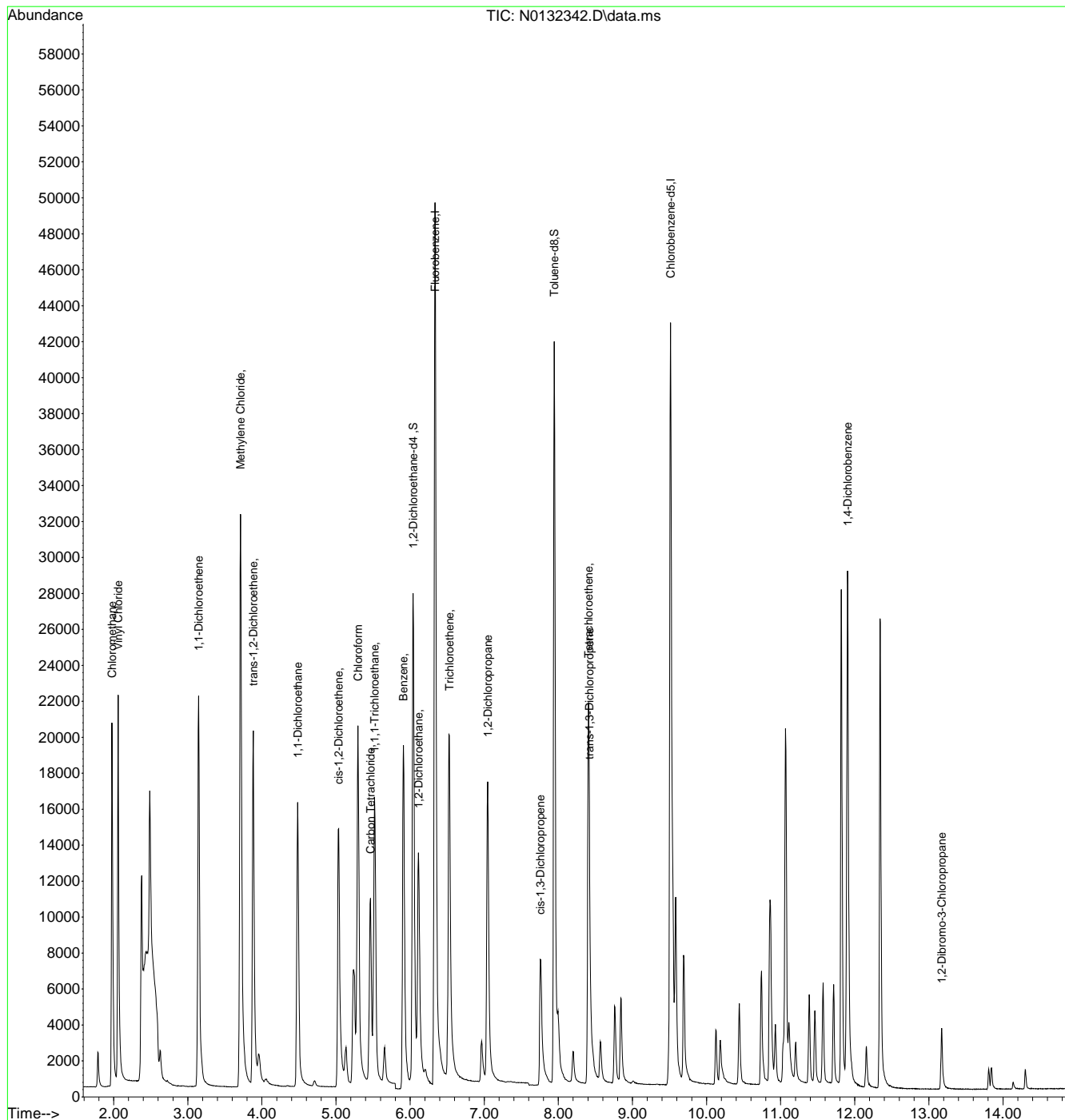
7.6.9
7



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\08-29-24\
 Data File : N0132342.D
 Acq On : 29 Aug 2024 6:49 am
 Operator : jeniferw
 Sample : CC6705-5
 Misc : MS57378,VN6711,,,,,
 ALS Vial : 2 Sample Multiplier: 1

Quant Time: Aug 29 07:33:06 2024
 Quant Method : C:\msdchem\1\methods\SIMCL_VN6705_082024.M
 Quant Title : Standard Methods 6200B
 QLast Update : Tue Aug 20 14:01:28 2024
 Response via : Initial Calibration



6.9.7



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\08-29-24\
 Data File : N0132369.D
 Acq On : 29 Aug 2024 5:28 pm
 Operator : jeniferw
 Sample : ECC6705-5
 Misc : MS57382,VN6711,,,,,
 ALS Vial : 28 Sample Multiplier: 1

Quant Time: Aug 30 06:42:26 2024
 Quant Method : C:\msdchem\1\methods\SIMCL_VN6705_082024.M
 Quant Title : Standard Methods 6200B
 QLast Update : Tue Aug 20 14:01:28 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	

Internal Standards							
1) Fluorobenzene	6.341	96	60767	5.00	ug/L	0.00	
18) Chlorobenzene-d5	9.514	117	40877	5.00	ug/L	0.00	
System Monitoring Compounds							
13) 1,2-Dichloroethane-d4	6.045	65	26443	5.06	ug/L	0.00	
Spiked Amount	5.000	Range 74 - 125	Recovery	=	101.20%		
19) Toluene-d8	7.951	98	44683	4.95	ug/L	0.00	
Spiked Amount	5.000	Range 88 - 111	Recovery	=	99.00%		
Target Compounds							
							Qvalue
2) Vinyl Chloride	2.065	62	14685	10.92	ug/L		98
3) Chloromethane	1.977	50	19171	10.68	ug/L		99
4) 1,1-Dichloroethene	3.147	61	15471	8.65	ug/L		99
5) Methylene Chloride	3.712	49	30015	13.39	ug/L		95
6) trans-1,2-Dichloroethene	3.883	61	14037	9.40	ug/L		99
7) 1,1-Dichloroethane	4.487	63	19342	9.65	ug/L		99
8) cis-1,2-Dichloroethene	5.041	96	8441	9.64	ug/L		98
9) Chloroform	5.303	83	19283	9.58	ug/L		99
10) Carbon Tetrachloride	5.466	117	7508	8.26	ug/L		98
11) 1,1,1-Trichloroethane	5.527	97	11738	9.08	ug/L		99
12) Benzene	5.915	78	31467	9.69	ug/L		98
14) 1,2-Dichloroethane	6.116	62	15575	10.16	ug/L		99
15) Trichloroethene	6.531	95	8631	9.45	ug/L		97
16) 1,2-Dichloropropane	7.053	63	9834	9.60	ug/L		98
17) cis-1,3-Dichloropropene	7.769	75	8015	9.88	ug/L		98
20) trans-1,3-Dichloropropene	8.424	75	8073	9.99	ug/L		97
21) Tetrachloroethene	8.407	166	8793	9.55	ug/L #		96
22) 1,4-Dichlorobenzene	11.906	146	20151	9.64	ug/L		98
23) 1,2-Dibromo-3-Chloropr...	13.176	75	1183	6.91	ug/L		98

(#) = qualifier out of range (m) = manual integration (+) = signals summed

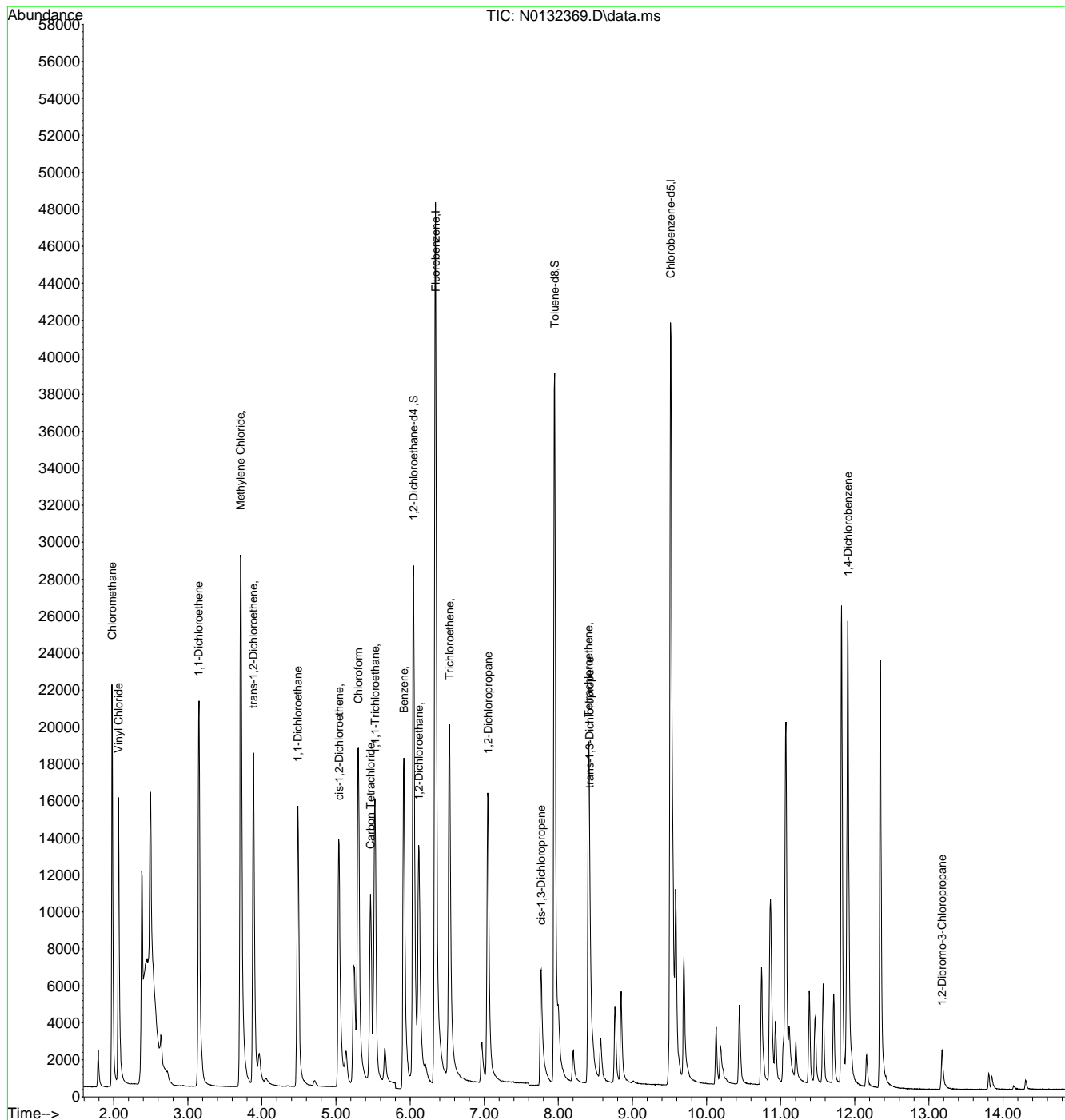
7.6.10
7



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\08-29-24\
 Data File : N0132369.D
 Acq On : 29 Aug 2024 5:28 pm
 Operator : jeniferw
 Sample : ECC6705-5
 Misc : MS57382,VN6711,,,,,
 ALS Vial : 28 Sample Multiplier: 1

Quant Time: Aug 30 06:42:26 2024
 Quant Method : C:\msdchem\1\methods\SIMCL_VN6705_082024.M
 Quant Title : Standard Methods 6200B
 QLast Update : Tue Aug 20 14:01:28 2024
 Response via : Initial Calibration



7.6.10
7

SGS -ORLANDO

VOA-GCMS ANALYSIS LOG

Instrument:	MS-VOA8-N
Date:	08/29/2024
Analyst:	Jenifer W
Column Type	RTX/VMS
Detector	5975C-MSD
Purge Pressure	
Purge Volume	5mL

Method(s):	SIMCL
Method File:	SIMCL_VN6705_08202024.M
Calibration Date:	08/20/2024
Acq. Method:	ACQ_SIMCLb
EM Voltage:	1353V
Run ID:	VN6711

BF#:	VS4050
ICAL/CC:	, VS4183, VS4198
ICV/BS:	, VS4167, VS4199
ISTD/Surr.:	VS4180

pH Paper Lot#:	230320A/211623A
KI Paper Lot#:	14-860 03/13/23
AFA Lot#:	VS3860
Data processed by:	Jenifer W
Sample ID Ver. by:	Jenifer W
Date Verified:	08/29/2024

Data File	Sample ID	Dilution Factor	Vial #	Matrix	A.S. Pos.	Work Group	pH	Ci? (Y/N)	RR	Comments and Manually Integrated Peaks (Peak # and Rational)
N0132341	BFB	-	-	Water	1	-	-	-	-	10uL→40mL Autofind Tune Passed
N0132342	CC6705-5	-	-	Water	2	-	-	-	-	50uL→50mL ✓
N0132343	BS	-	-	Water	3	-	-	-	-	25uL→50mL ✓
N0132344	rinse	-	-	Water	4	-	-	-	-	
N0132345	MB	-	-	Water	5	-	-	-	-	ND✓
N0132346	FC18256-4	5X	2	Water	6	MS57382	1	N	-	10mL→50mL Ecombine PCE ✓
N0132347	FC18256-5	5X	2	Water	7	MS57382	1	N	-	10mL→50mL Ecombine PCE ✓
N0132348	FC18256-6	5X	2	Water	8	MS57382	1	N	-	10mL→50mL Ecombine PCE ✓
N0132349	FC18260-4	-	2	Water	9	MS57382	1	N	-	C12DCE only; PBL#9 ✓
N0132350	FC18260-6	-	2	Water	10	MS57382	1	N	-	C12DCE only; PBL#9 ✓
N0132351	FC18260-11	-	2	Water	11	MS57382	1	N	-	C12DCE only; PBL#9 ✓
N0132352	FC18260-13	-	2	Water	12	MS57382	1	N	-	C12DCE only✓
N0132354	FC18260-14	-	2	Water	13	MS57382	1	N	-	C12DCE only; PBL#9 ✓
N0132355	FC18260-16	-	2	Water	14	MS57382	1	N	-	C12DCE only; PBL#9 ✓
N0132356	FC18261-18	-	2	Water	15	MS57382	1	N	-	PBL#9 ✓
N0132357	FC18341-1	-	1	Water	16	MS57382	1	N	-	PBL#9 ✓
N0132358	FC18341-2	-	1	Water	17	MS57382	1	N	-	PBL#9 ✓
N0132359	FC18341-3	-	1	Water	18	MS57382	1	N	-	PBL#9 ✓
N0132360	FC18341-4	-	1	Water	19	MS57382	1	N	-	✓
N0132361	FC18341-5	-	1	Water	20	MS57382	1	N	-	PBL#9 ✓
N0132362	FC18341-6	-	1	Water	21	MS57382	1	N	-	PBL#9 ✓
N0132363	FC18341-7	-	1	Water	22	MS57382	1	N	-	PBL#9 ✓
N0132364	FC18341-8	-	1	Water	23	MS57382	1	N	-	PBL#9 ✓
N0132365	FC18341-9	-	1	Water	24	MS57382	1	N	-	PBL#9 ✓
N0132366	FC18341-10	-	1	Water	25	MS57382	1	N	-	✓
N0132367	FC18256-4MS	5X	1	Water	26	MS57382	1	N	-	20mL→100mL spike 50uL→100mL MP#23 ✓
N0132368	FC18256-4MSD	5X	1	Water	27	MS57382	1	N	-	20mL→100mL spike 50uL→100mL ✓
N0132369	ECC6705-5	-	-	Water	28	-	-	-	-	50uL→50mL ✓

Matrix: Designate "W" for Water "S" for soil, "O" for Oil, "Liq" for Non-aqueous Liquid, and "TCLP" or "SPLP" for Leachate
 Manual Integration Rational SOP 0A029: MP Missed Peak, OP Overlapping Peak, SP Split Peak, PDB Poorly Defined Baseline, BR Baseline Ripple, PI Poor Instrument

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

e-Hardcopy 2.0
Automated Report

Technical Report for

Ahtna Global, LLC

Fort Ord Groundwater Monitoring

21187.001.01.0000 (FFO 2024 Q3) OUCTP-Upper

SGS Job Number: FC18342

Sampling Date: 08/21/24



Report to:

Ahtna Global, LLC
9699 Blue Larkspur Lane Suite 203
Monterey, CA 93940
dlieberman@ahtna.net; mfisher@ahtna.net;
hdillon@ahtna.net; eschmidt@ahtna.net;
ATTN: Derek Lieberman

Total number of pages in report: **109**



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

Norm Farmer
Technical Director

Client Service contact: Elvin Kumar 407-425-6700

Certifications: FL(E83510), LA(03051), KS(E-10327), NC(573), NJ(FL002), NY(12022), SC(96038001)

DoD ELAP(ANAB L2229), AZ(AZ0806), CA(2937), TX(T104704404), PA(68-03573), VA(460177),

AL, AK, AR, CT, IA, KY, MA, MI, MS, ND, NH, NV, OK, OR, IL, UT, VT, WA, WI, WV

This report shall not be reproduced, except in its entirety, without the written approval of SGS.

Test results relate only to samples analyzed.

Table of Contents

-1-

Section 1: Sample Summary	3
Section 2: Case Narrative/Conformance Summary	4
Section 3: Summary of Hits	5
Section 4: Sample Results	6
4.1: FC18342-1: 24340BWX209A	7
4.2: FC18342-2: 24340BWX192C	8
4.3: FC18342-3: 2434X0BW023F	9
4.4: FC18342-4: 2434W0BW151F	10
4.5: FC18342-5: 2434W0BW152F	11
4.6: FC18342-6: 2434W0BW168F	12
4.7: FC18342-7: 2434WOU2145F	13
4.8: FC18342-8: 2434WOU2147F	14
Section 5: Misc. Forms	15
5.1: Chain of Custody	16
5.2: QC Evaluation: DOD QSM5.x Limits	19
Section 6: MS Volatiles - QC Data Summaries	20
6.1: Method Blank Summary	21
6.2: Blank Spike Summary	22
6.3: Matrix Spike/Matrix Spike Duplicate Summary	23
6.4: Instrument Performance Checks (BFB)	24
6.5: Internal Standard Area Summaries	26
6.6: Surrogate Recovery Summaries	27
6.7: Initial and Continuing Calibration Summaries	28
6.8: Run Sequence Reports	35
Section 7: MS Volatiles - Raw Data	37
7.1: Samples	38
7.2: Method Blanks	72
7.3: Blank Spikes	75
7.4: Matrix Spike/Matrix Spike Duplicates	77
7.5: Instrument Performance Checks (BFB)	81
7.6: Initial and Continuing Calibrations	83
7.7: Instrument Run Logs	108



Sample Summary

Ahtna Global, LLC

Job No: FC18342

Fort Ord Groundwater Monitoring

Project No: 21187.001.01.0000 (FFO 2024 Q3) OUCTP-Upper

Sample Number	Collected		Received	Matrix		Client Sample ID
	Date	Time By		Code	Type	
FC18342-1	08/21/24	07:30	08/27/24	AQ	Trip Blank Water	24340BWX209A
FC18342-2	08/21/24	14:24	08/27/24	AQ	Field Blank Water	24340BWX192C
FC18342-3	08/21/24	15:37	08/27/24	AQ	Ground Water	2434X0BW023F
FC18342-4	08/21/24	08:58	08/27/24	AQ	Ground Water	2434W0BW151F
FC18342-5	08/21/24	09:21	08/27/24	AQ	Ground Water	2434W0BW152F
FC18342-6	08/21/24	11:03	08/27/24	AQ	Ground Water	2434W0BW168F
FC18342-7	08/21/24	13:47	08/27/24	AQ	Ground Water	2434WOU2145F
FC18342-8	08/21/24	14:16	08/27/24	AQ	Ground Water	2434WOU2147F

SAMPLE DELIVERY GROUP CASE NARRATIVE

Client: Ahtna Global, LLC

Job No: FC18342

Site: Fort Ord Groundwater Monitoring

Report Date: 9/3/2024 4:19:21 PM

On 08/27/2024, 6 Sample(s), 1 Trip Blank(s), 0 Equip. Blank(s) and 1 Field Blank(s) were received at SGS North America Inc - Orlando. at a maximum corrected temperature of 3.4 C. Samples were intact and chemically preserved, unless noted below. A SGS North America Inc. - Orlando Job Number of FC18342 was assigned to the project.

Laboratory sample ID, client sample ID and dates of sample collection are detailed in the report's Results Summary Section. Specified quality control criteria were achieved for this job except as noted below. For more information, please refer to the analytical results and QC summary pages.

MS Volatiles By Method SW846 8260D BY SIM

Matrix: AQ

Batch ID: VN6712

All samples were analyzed within the recommended method holding time.

All method blanks for this batch meet method specific criteria.

Sample(s) FC18198-6MS, FC18198-6MSD were used as the QC samples indicated.

SGS North America Inc. - Orlando certifies that data reported for samples received, listed on the associated custody chain or analytical task order, were produced to specifications meeting the Quality System precision, accuracy and completeness objectives except as noted. Estimated non-standard method measurement uncertainty data is available on request, based on quality control bias and implicit for standard methods. Acceptable uncertainty requires tested parameter quality control data to meet method criteria. SGS North America Inc.- Orlando is not responsible for data quality assumptions if partial reports are used and recommends that this report be used in its entirety.

Narrative prepared by:

Kim Benham, Report Generation (signature on file)

Summary of Hits

Job Number: FC18342
Account: Ahtna Global, LLC
Project: Fort Ord Groundwater Monitoring
Collected: 08/21/24



Lab Sample ID	Client Sample ID	Result/ Qual	LOQ	LOD	Units	Method
---------------	------------------	-----------------	-----	-----	-------	--------

FC18342-1 **24340BWX209A**

No hits reported in this sample.

FC18342-2 **24340BWX192C**

No hits reported in this sample.

FC18342-3 **2434X0BW023F**

Carbon Tetrachloride 0.27 J 0.50 0.25 ug/l SW846 8260D BY SIM

FC18342-4 **2434W0BW151F**

No hits reported in this sample.

FC18342-5 **2434W0BW152F**

No hits reported in this sample.

FC18342-6 **2434W0BW168F**

Carbon Tetrachloride 2.3 0.50 0.25 ug/l SW846 8260D BY SIM

FC18342-7 **2434WOU2145F**

No hits reported in this sample.

FC18342-8 **2434WOU2147F**

No hits reported in this sample.

Sample Results

Report of Analysis

SGS North America Inc.

Report of Analysis

Page 1 of 1

Client Sample ID: 24340BWX209A	
Lab Sample ID: FC18342-1	Date Sampled: 08/21/24
Matrix: AQ - Trip Blank Water	Date Received: 08/27/24
Method: SW846 8260D BY SIM	Percent Solids: n/a
Project: Fort Ord Groundwater Monitoring	

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	N0132375.D	1	08/30/24 09:06	JW	n/a	n/a	VN6712
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA Special List

CAS No.	Compound	Result	LOQ	LOD	DL	Units	Q
56-23-5	Carbon Tetrachloride	0.25 U	0.50	0.25	0.10	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
17060-07-0	1,2-Dichloroethane-D4	106%		74-125%
2037-26-5	Toluene-D8	107%		88-111%

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

4.1
4

SGS North America Inc.

Report of Analysis

Page 1 of 1

Client Sample ID: 24340BWX192C	
Lab Sample ID: FC18342-2	Date Sampled: 08/21/24
Matrix: AQ - Field Blank Water	Date Received: 08/27/24
Method: SW846 8260D BY SIM	Percent Solids: n/a
Project: Fort Ord Groundwater Monitoring	

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	N0132376.D	1	08/30/24 09:30	JW	n/a	n/a	VN6712
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA Special List

CAS No.	Compound	Result	LOQ	LOD	DL	Units	Q
56-23-5	Carbon Tetrachloride	0.25 U	0.50	0.25	0.10	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
17060-07-0	1,2-Dichloroethane-D4	106%		74-125%
2037-26-5	Toluene-D8	104%		88-111%

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

4.2
4

SGS North America Inc.

Report of Analysis

Page 1 of 1

Client Sample ID: 2434X0BW023F	
Lab Sample ID: FC18342-3	Date Sampled: 08/21/24
Matrix: AQ - Ground Water	Date Received: 08/27/24
Method: SW846 8260D BY SIM	Percent Solids: n/a
Project: Fort Ord Groundwater Monitoring	

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	N0132378.D	1	08/30/24 10:16	JW	n/a	n/a	VN6712
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA Special List

CAS No.	Compound	Result	LOQ	LOD	DL	Units	Q
56-23-5	Carbon Tetrachloride	0.27	0.50	0.25	0.10	ug/l	J

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
17060-07-0	1,2-Dichloroethane-D4	109%		74-125%
2037-26-5	Toluene-D8	106%		88-111%

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

4.3
 4

SGS North America Inc.

Report of Analysis

Page 1 of 1

Client Sample ID: 2434W0BW151F	
Lab Sample ID: FC18342-4	Date Sampled: 08/21/24
Matrix: AQ - Ground Water	Date Received: 08/27/24
Method: SW846 8260D BY SIM	Percent Solids: n/a
Project: Fort Ord Groundwater Monitoring	

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	N0132379.D	1	08/30/24 10:40	JW	n/a	n/a	VN6712
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA Special List

CAS No.	Compound	Result	LOQ	LOD	DL	Units	Q
56-23-5	Carbon Tetrachloride	0.25 U	0.50	0.25	0.10	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
17060-07-0	1,2-Dichloroethane-D4	108%		74-125%
2037-26-5	Toluene-D8	105%		88-111%

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

4.4
 4

SGS North America Inc.

Report of Analysis

Page 1 of 1

Client Sample ID:	2434W0BW152F	Date Sampled:	08/21/24
Lab Sample ID:	FC18342-5	Date Received:	08/27/24
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8260D BY SIM		
Project:	Fort Ord Groundwater Monitoring		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	N0132380.D	1	08/30/24 11:03	JW	n/a	n/a	VN6712
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA Special List

CAS No.	Compound	Result	LOQ	LOD	DL	Units	Q
56-23-5	Carbon Tetrachloride	0.25 U	0.50	0.25	0.10	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
17060-07-0	1,2-Dichloroethane-D4	109%		74-125%
2037-26-5	Toluene-D8	105%		88-111%

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

4.5
4

SGS North America Inc.

Report of Analysis

Page 1 of 1

Client Sample ID: 2434W0BW168F	
Lab Sample ID: FC18342-6	Date Sampled: 08/21/24
Matrix: AQ - Ground Water	Date Received: 08/27/24
Method: SW846 8260D BY SIM	Percent Solids: n/a
Project: Fort Ord Groundwater Monitoring	

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	N0132381.D	1	08/30/24 11:26	JW	n/a	n/a	VN6712
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA Special List

CAS No.	Compound	Result	LOQ	LOD	DL	Units	Q
56-23-5	Carbon Tetrachloride	2.3	0.50	0.25	0.10	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
17060-07-0	1,2-Dichloroethane-D4	110%		74-125%
2037-26-5	Toluene-D8	105%		88-111%

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

4.6
 4

SGS North America Inc.

Report of Analysis

Page 1 of 1

Client Sample ID:	2434WOU2145F	Date Sampled:	08/21/24
Lab Sample ID:	FC18342-7	Date Received:	08/27/24
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8260D BY SIM		
Project:	Fort Ord Groundwater Monitoring		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	N0132382.D	1	08/30/24 11:49	JW	n/a	n/a	VN6712
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA Special List

CAS No.	Compound	Result	LOQ	LOD	DL	Units	Q
56-23-5	Carbon Tetrachloride	0.25 U	0.50	0.25	0.10	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
17060-07-0	1,2-Dichloroethane-D4	110%		74-125%
2037-26-5	Toluene-D8	104%		88-111%

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

4.7
 4

SGS North America Inc.

Report of Analysis

Page 1 of 1

Client Sample ID: 2434WOU2147F	
Lab Sample ID: FC18342-8	Date Sampled: 08/21/24
Matrix: AQ - Ground Water	Date Received: 08/27/24
Method: SW846 8260D BY SIM	Percent Solids: n/a
Project: Fort Ord Groundwater Monitoring	

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	N0132383.D	1	08/30/24 12:13	JW	n/a	n/a	VN6712
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA Special List

CAS No.	Compound	Result	LOQ	LOD	DL	Units	Q
56-23-5	Carbon Tetrachloride	0.25 U	0.50	0.25	0.10	ug/l	
CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits			
17060-07-0	1,2-Dichloroethane-D4	109%		74-125%			
2037-26-5	Toluene-D8	105%		88-111%			

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

4.8
4

Misc. Forms

Custody Documents and Other Forms

Includes the following where applicable:

- Chain of Custody
- QC Evaluation: DOD QSM5.x Limits

Ahtna

CADS3427

FC18342 Page 1 of 2 ^{B/22}

Cooler No.:		of	^{B/22}
COC No: 240821-OUTCP UPPER-1			
Task Desc: FFO2024Q3_Team1234			

Chain-of-Custody / Analytical Request Document

Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed and accurate

Lab Name: SGS North America Inc. - Orlando	Site ID #: FFORD	Sampler: 1741467	Filtered															
Lab Address:	Project #: 21187.001.01.0000	Sampling Company: AHTNA																
Lab PM: Elvin Kumar	Site Address: FFO, Marina, CA 93933	Sampling Company Phone: 8312875250																
Lab Phone/Fax: (407) 425-6700	Site PM Name: Derek Lieberman	Sampling Team Number: 1	Preserve	HCL														
Lab PM Email:	Site Phone/Fax:	Reimbursable Project?																
Applicable Lab Quote:	Site PM Email: dlieberman@ahtna.net	Send EDD/Hard Copy To: labs@ahtna.net, dlieberman@ahtna.net	Analysis	SW6260D														
Turnaround Time: 10 Business Days	Turnaround Standard: Standard																	

Items No.	Sample ID	Sample Location	Matrix	Depth	Geo-Grab C-Contd	Sample Type	Sample Date Time	# of Containers	Comments Lab I.D.											
1	24340BWX209A		WQ		G	TB1	08/21/2024 07:30	2												X
2	24340BWX192C		WQ		G	FB1	08/21/2024 14:24	3												X
3	2434X0BW023F		WG	191 - 191 ft bloc	G	NS1	08/21/2024 15:37	3												X

INITIAL ASSESSMENT
 LABEL VERIFICATION

3.6 TR #1

Sample Reason:	RELINQUISHED BY / AFFILIATION	Date Time	ACCEPTED BY / AFFILIATION	Date Time	Sample Receipt Conditions			
Additional Comments/Special Instructions:	<u> </u> / Blank Tech Series	16:52 8/21/24	<u> </u> / Ahtna	8:21:24 16:52	<input type="checkbox"/> Yes	<input type="checkbox"/> Yes	<input type="checkbox"/> Yes	<input type="checkbox"/> Yes
	<u> </u> / Ahtna	8:22:24 09:00	<u> </u> / SGS	8/22/24 1:20	<input type="checkbox"/> Yes	<input type="checkbox"/> Yes	<input type="checkbox"/> Yes	<input type="checkbox"/> Yes
	<u> </u> / SGS	8/22/24 1:50	<u> </u> / FEDEX	8/24/24 1:50	<input type="checkbox"/> Yes	<input type="checkbox"/> Yes	<input type="checkbox"/> Yes	<input type="checkbox"/> Yes
			<u> </u> /	08/27/24 9:00	<input type="checkbox"/> Yes	<input type="checkbox"/> Yes	<input type="checkbox"/> Yes	<input type="checkbox"/> Yes
	SHIPPING METHOD: (mark as appropriate)		SAMPLER NAME AND SIGNATURE	Date Time	Temperature in °C	Sample on Ice?	Sample Intact?	Trip Blank?

OUTCP - U

FC18342: Chain of Custody

Page 1 of 3

Ahtna CADS3427

FC18342 Page 2 of 2 8/22

Chain-of-Custody / Analytical Request Document
 Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed and accurate

Cooler No.: _____ of _____
 COC No: 240821-Site(OUCTP UPPER)-Team(3)
 Task Desc: FFO2024Q3_Team1234

Lab Name: SGS North America Inc. - Orlando	Site ID #: FFORD	Sampler: 1741469	Filtered Preserve Analysis	HCL SW6260D
Lab Address:	Project #: 21187.001.01.0000	Sampling Company: Ahtna		
Lab PM: Elvin Kumar	Site Address: FFO, Marina, CA 93933	Sampling Company Phone: (831)287-5250		
Lab Phone/Fax: (407) 425-6700	Site PM Name: Derek Lieberman	Sampling Team Number: 3		
Lab PM Email:	Site Phone/Fax:	Reimbursable Project?		
Applicable Lab Quote:	Site PM Email: dlieberman@ahtna.net	Send EDD/Hard Copy To: labs@ahtna.net, dlieberman@ahtna.net		
Turnaround Time: 10 Business Days	Turnaround Standard: Standard			

Items No.	Sample ID	Sample Location	Matrix	Depth	Grain Comp.	Sample Type	Sample Date Time	# of Containers	Comments Lab I.D.	
4	2434W0BW151F		WG	170 - 170 ft btoc	G	NS1	08/21/2024 08:58	3		X
5	2434W0BW152F		WG	193 - 193 ft btoc	G	NS1	08/21/2024 09:21	3		X
6	2434W0BW168F		WG		G	NS1	08/21/2024 11:03	3		X
7	2434WOU2145F		WG	230 - 230 ft btoc	G	NS1	08/21/2024 13:47	3		X
8	2434WOU2147F		WG	206 - 206 ft btoc	G	NS1	08/21/2024 14:16	3		X

Sample Reason:	RELINQUISHED BY / AFFILIATION	Date Time	ACCEPTED BY / AFFILIATION	Date Time	Sample Receipt Conditions				
Additional Comments/Special Instructions: OUCTP-U	<i>[Signature]</i> / Blinfect	08/21/24 1633	<i>[Signature]</i> / Ahtna	8-21-24 1633	<input type="checkbox"/> Yes	<input type="checkbox"/> Yes	<input type="checkbox"/> Yes	<input type="checkbox"/> Yes	
	<i>[Signature]</i> / Ahtna	8-22-24 09:00			<input type="checkbox"/> No	<input type="checkbox"/> No	<input type="checkbox"/> No	<input type="checkbox"/> No	
					<input type="checkbox"/> Yes	<input type="checkbox"/> Yes	<input type="checkbox"/> Yes	<input type="checkbox"/> Yes	
					<input type="checkbox"/> No	<input type="checkbox"/> No	<input type="checkbox"/> No	<input type="checkbox"/> No	
				<i>[Signature]</i> / Ahtna	08/27/24 900	<input type="checkbox"/> Yes	<input type="checkbox"/> Yes	<input type="checkbox"/> Yes	<input type="checkbox"/> Yes
					<input type="checkbox"/> No	<input type="checkbox"/> No	<input type="checkbox"/> No	<input type="checkbox"/> No	
	SHIPPING METHOD: (mark as appropriate)			SAMPLER NAME AND SIGNATURE	Date Time	Temperature in °C	Sample on Ice?	Sample Intact?	Trip Blank?

SGS - Orlando Sample Receipt Summary

Job Number: fc18342

Client: AHTNA

Project: OUCTP-Upper FFO2024Q3

Date / Time Received: 8/27/2024 9:00:00 AM

Delivery Method: FEDEX

Airbill #s: 778194819312

Cooler Temps (Raw Measured) °C: Cooler 1: (3.6);

Cooler Temps (Corrected) °C: Cooler 1: (3.4);

Cooler Informatio

	Y	or	N
1. Custody Seals Present:	<input checked="" type="checkbox"/>		<input type="checkbox"/>
2. Custody Seals Intact:	<input checked="" type="checkbox"/>		<input type="checkbox"/>
3. Temp criteria achieved:	<input checked="" type="checkbox"/>		<input type="checkbox"/>
4. Cooler temp verification:			IR Gun
5. Cooler media:			Ice (Bag)

Trip Blank Information

	Y	or	N	N/A
1. Trip Blank present / cooler:	<input checked="" type="checkbox"/>		<input type="checkbox"/>	<input type="checkbox"/>
2. Trip Blank listed on COC:	<input checked="" type="checkbox"/>		<input type="checkbox"/>	<input type="checkbox"/>

	W	or	S	N/A
3. Type of TB Received	<input checked="" type="checkbox"/>		<input type="checkbox"/>	<input type="checkbox"/>

Sample Information

	Y	or	N	N/A
1. Sample labels present on bottles:	<input checked="" type="checkbox"/>		<input type="checkbox"/>	
2. Samples presented properly	<input checked="" type="checkbox"/>		<input type="checkbox"/>	
3. Sufficient volume/containers recv'd for analysi	<input checked="" type="checkbox"/>		<input type="checkbox"/>	
4. Condition of sample:			Intact	
5. Sample recv'd within HT	<input checked="" type="checkbox"/>		<input type="checkbox"/>	
6. Dates/Times/IDs on COC match sample labe	<input checked="" type="checkbox"/>		<input type="checkbox"/>	
7. VOCs have headspace	<input type="checkbox"/>		<input checked="" type="checkbox"/>	<input type="checkbox"/>
8. Bottles received for unspecified tests	<input type="checkbox"/>		<input checked="" type="checkbox"/>	
9. Compositing instructions clear	<input type="checkbox"/>		<input type="checkbox"/>	<input checked="" type="checkbox"/>
10. Voa Soil Kits/Jars received past 48hrs?	<input type="checkbox"/>		<input type="checkbox"/>	<input checked="" type="checkbox"/>
11. % Solids Jar Received?	<input type="checkbox"/>		<input type="checkbox"/>	<input checked="" type="checkbox"/>
12. Residual Chlorine Present?	<input type="checkbox"/>		<input type="checkbox"/>	<input checked="" type="checkbox"/>

Misc Information

Number of Encores: 25 Gram	5 Gram	Number of Lab Filtered Metals
Test Strip Lot #s: pH 0-3: <u>226422</u>	pH 10-12: _____	Other: (Specify) pH 1.0 - 12.0 <u>222221</u>
Residual Chlorine Test Strip Lot _____		

Comments

Sample Receipt Summary 112723 EK Technician: ZANEB Date: 8/27/2024 12:12:17 PM Reviewer: ZB Date: 08/27/24

5.1
5

QC Evaluation: DOD QSM5.x Limits

Job Number: FC18342
Account: Ahtna Global, LLC
Project: Fort Ord Groundwater Monitoring
Collected: 08/21/24

QC Sample ID	CAS#	Analyte	Sample Type	Result Type	Result	Units	Limits
--------------	------	---------	-------------	-------------	--------	-------	--------

VN6712 SW846 8260D BY SIM

VN6712-BS	56-23-5	Carbon Tetrachloride	BSP	REC	90	%	72-136
VN6712-BS	17060-07-0	1,2-Dichloroethane-D4	BSP	SURR	98	%	81-118
VN6712-BS	2037-26-5	Toluene-D8	BSP	SURR	106	%	89-112
FC18198-6MS*	56-23-5	Carbon Tetrachloride	MS	REC	98	%	72-136
FC18198-6MS*	17060-07-0	1,2-Dichloroethane-D4	MS	SURR	106	%	81-118
FC18198-6MS*	2037-26-5	Toluene-D8	MS	SURR	90	%	89-112
FC18198-6MSD*	56-23-5	Carbon Tetrachloride	MSD	REC	100	%	72-136
FC18198-6MSD*	56-23-5	Carbon Tetrachloride	MSD	RPD	2	%	20
FC18198-6MSD*	17060-07-0	1,2-Dichloroethane-D4	MSD	SURR	106	%	81-118
FC18198-6MSD*	2037-26-5	Toluene-D8	MSD	SURR	103	%	89-112
VN6712-MB	17060-07-0	1,2-Dichloroethane-D4	MB	SURR	105	%	81-118
VN6712-MB	2037-26-5	Toluene-D8	MB	SURR	107	%	89-112
FC18342-1	17060-07-0	1,2-Dichloroethane-D4	SAMP	SURR	106	%	81-118
FC18342-1	2037-26-5	Toluene-D8	SAMP	SURR	107	%	89-112
FC18342-2	17060-07-0	1,2-Dichloroethane-D4	SAMP	SURR	106	%	81-118
FC18342-2	2037-26-5	Toluene-D8	SAMP	SURR	104	%	89-112
FC18342-3	17060-07-0	1,2-Dichloroethane-D4	SAMP	SURR	109	%	81-118
FC18342-3	2037-26-5	Toluene-D8	SAMP	SURR	106	%	89-112
FC18342-4	17060-07-0	1,2-Dichloroethane-D4	SAMP	SURR	108	%	81-118
FC18342-4	2037-26-5	Toluene-D8	SAMP	SURR	105	%	89-112
FC18342-5	17060-07-0	1,2-Dichloroethane-D4	SAMP	SURR	109	%	81-118
FC18342-5	2037-26-5	Toluene-D8	SAMP	SURR	105	%	89-112
FC18342-6	17060-07-0	1,2-Dichloroethane-D4	SAMP	SURR	110	%	81-118
FC18342-6	2037-26-5	Toluene-D8	SAMP	SURR	105	%	89-112
FC18342-7	17060-07-0	1,2-Dichloroethane-D4	SAMP	SURR	110	%	81-118
FC18342-7	2037-26-5	Toluene-D8	SAMP	SURR	104	%	89-112
FC18342-8	17060-07-0	1,2-Dichloroethane-D4	SAMP	SURR	109	%	81-118
FC18342-8	2037-26-5	Toluene-D8	SAMP	SURR	105	%	89-112

* Sample used for QC is not from job FC18342

5.2
5

MS Volatiles

QC Data Summaries

Includes the following where applicable:

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

Method Blank Summary

Job Number: FC18342
Account: AHTNACAS Ahtna Global, LLC
Project: Fort Ord Groundwater Monitoring

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VN6712-MB	N0132374.D	1	08/30/24	JW	n/a	n/a	VN6712

The QC reported here applies to the following samples:

Method: SW846 8260D BY SIM

FC18342-1, FC18342-2, FC18342-3, FC18342-4, FC18342-5, FC18342-6, FC18342-7, FC18342-8

CAS No.	Compound	Result	RL	MDL	Units	Q
56-23-5	Carbon Tetrachloride	ND	0.50	0.10	ug/l	

CAS No.	Surrogate Recoveries	Limits	
17060-07-0	1,2-Dichloroethane-D4	105%	74-125%
2037-26-5	Toluene-D8	107%	88-111%

Blank Spike Summary

Job Number: FC18342
Account: AHTNACAS Ahtna Global, LLC
Project: Fort Ord Groundwater Monitoring

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VN6712-BS	N0132372.D	1	08/30/24	JW	n/a	n/a	VN6712

The QC reported here applies to the following samples:

Method: SW846 8260D BY SIM

FC18342-1, FC18342-2, FC18342-3, FC18342-4, FC18342-5, FC18342-6, FC18342-7, FC18342-8

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
56-23-5	Carbon Tetrachloride	5	4.5	90	76-136

CAS No.	Surrogate Recoveries	BSP	Limits
17060-07-0	1,2-Dichloroethane-D4	98%	74-125%
2037-26-5	Toluene-D8	106%	88-111%

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: FC18342
Account: AHTNACAS Ahtna Global, LLC
Project: Fort Ord Groundwater Monitoring

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
FC18198-6MS	N0132395.D	1	08/30/24	JW	n/a	n/a	VN6712
FC18198-6MSD	N0132396.D	1	08/30/24	JW	n/a	n/a	VN6712
FC18198-6	N0132377.D	1	08/30/24	JW	n/a	n/a	VN6712

The QC reported here applies to the following samples:

Method: SW846 8260D BY SIM

FC18342-1, FC18342-2, FC18342-3, FC18342-4, FC18342-5, FC18342-6, FC18342-7, FC18342-8

CAS No.	Compound	FC18198-6 ug/l	Spike Q ug/l	MS ug/l	MS %	Spike ug/l	MSD ug/l	MSD %	RPD	Limits Rec/RPD
56-23-5	Carbon Tetrachloride	0.50 U	5	4.9	98	5	5.0	100	2	76-136/23

CAS No.	Surrogate Recoveries	MS	MSD	FC18198-6	Limits
17060-07-0	1,2-Dichloroethane-D4	106%	106%	107%	74-125%
2037-26-5	Toluene-D8	90%	103%	105%	88-111%

* = Outside of Control Limits.

Instrument Performance Check (BFB)

Job Number: FC18342
Account: AHTNACAS Ahtna Global, LLC
Project: Fort Ord Groundwater Monitoring

Sample: VN6705-BFB	Injection Date: 08/20/24
Lab File ID: N0132197.D	Injection Time: 09:04
Instrument ID: GCMSN	

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance	Pass/Fail
95	Base peak, 100% relative abundance	28939	100.0	Pass
96	5.0 - 9.0% of mass 95	1718	5.94	Pass
173	Less than 2.0% of mass 174	120	0.41 (0.48) ^a	Pass
174	50.0 - 200.0% of mass 95	24867	85.9	Pass
175	5.0 - 9.0% of mass 174	1811	6.26 (7.28) ^a	Pass
176	95.0 - 105.0% of mass 174	24459	84.5 (98.4) ^a	Pass
177	5.0 - 10.0% of mass 176	1743	6.02 (7.13) ^b	Pass

(a) Value is % of mass 174

(b) Value is % of mass 176

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

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
VN6705-IC6705	N0132200.D	08/20/24	10:17	01:13	Initial cal 3
VN6705-IC6705	N0132201.D	08/20/24	10:41	01:37	Initial cal 4
VN6705-ICC6705	N0132202.D	08/20/24	11:04	02:00	Initial cal 5
VN6705-IC6705	N0132203.D	08/20/24	11:28	02:24	Initial cal 6
VN6705-IC6705	N0132204.D	08/20/24	11:51	02:47	Initial cal 7
VN6705-IC6705	N0132207.D	08/20/24	13:05	04:01	Initial cal 1
VN6705-IC6705	N0132208.D	08/20/24	13:28	04:24	Initial cal 2
VN6705-ICV6705	N0132209.D	08/20/24	13:52	04:48	Initial cal verification 5

Instrument Performance Check (BFB)

Job Number: FC18342
Account: AHTNACAS Ahtna Global, LLC
Project: Fort Ord Groundwater Monitoring

Sample: VN6712-BFB	Injection Date: 08/30/24
Lab File ID: N0132370.D	Injection Time: 06:56
Instrument ID: GCMSN	

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance	Pass/Fail
95	Base peak, 100% relative abundance	35797	100.0	Pass
96	5.0 - 9.0% of mass 95	2648	7.40	Pass
173	Less than 2.0% of mass 174	134	0.37 (0.45) ^a	Pass
174	50.0 - 200.0% of mass 95	29725	83.0	Pass
175	5.0 - 9.0% of mass 174	2310	6.45 (7.77) ^a	Pass
176	95.0 - 105.0% of mass 174	30096	84.1 (101.2) ^a	Pass
177	5.0 - 10.0% of mass 176	1610	4.50 (5.35) ^b	Pass

(a) Value is % of mass 174

(b) Value is % of mass 176

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

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
VN6712-CC6705	N0132371.D	08/30/24	07:22	00:26	Continuing cal 5
VN6712-BS	N0132372.D	08/30/24	07:47	00:51	Blank Spike
VN6712-MB	N0132374.D	08/30/24	08:33	01:37	Method Blank
FC18342-1	N0132375.D	08/30/24	09:06	02:10	24340BWX209A
FC18342-2	N0132376.D	08/30/24	09:30	02:34	24340BWX192C
FC18198-6	N0132377.D	08/30/24	09:53	02:57	(used for QC only; not part of job FC18342)
FC18342-3	N0132378.D	08/30/24	10:16	03:20	2434X0BW023F
FC18342-4	N0132379.D	08/30/24	10:40	03:44	2434W0BW151F
FC18342-5	N0132380.D	08/30/24	11:03	04:07	2434W0BW152F
FC18342-6	N0132381.D	08/30/24	11:26	04:30	2434W0BW168F
FC18342-7	N0132382.D	08/30/24	11:49	04:53	2434W0U2145F
FC18342-8	N0132383.D	08/30/24	12:13	05:17	2434WOU2147F
ZZZZZZ	N0132384.D	08/30/24	12:36	05:40	(unrelated sample)
ZZZZZZ	N0132385.D	08/30/24	12:59	06:03	(unrelated sample)
ZZZZZZ	N0132386.D	08/30/24	13:23	06:27	(unrelated sample)
ZZZZZZ	N0132387.D	08/30/24	13:46	06:50	(unrelated sample)
ZZZZZZ	N0132388.D	08/30/24	14:09	07:13	(unrelated sample)
ZZZZZZ	N0132389.D	08/30/24	14:33	07:37	(unrelated sample)
ZZZZZZ	N0132390.D	08/30/24	14:56	08:00	(unrelated sample)
ZZZZZZ	N0132391.D	08/30/24	15:19	08:23	(unrelated sample)
ZZZZZZ	N0132392.D	08/30/24	15:43	08:47	(unrelated sample)
ZZZZZZ	N0132393.D	08/30/24	16:06	09:10	(unrelated sample)
ZZZZZZ	N0132394.D	08/30/24	16:29	09:33	(unrelated sample)
FC18198-6MS	N0132395.D	08/30/24	16:53	09:57	Matrix Spike
FC18198-6MSD	N0132396.D	08/30/24	17:16	10:20	Matrix Spike Duplicate
VN6712-ECC6705	N0132397.D	08/30/24	17:39	10:43	Ending cal 5

Internal Standard Area Summary

Job Number: FC18342
Account: AHTNACAS Ahtna Global, LLC
Project: Fort Ord Groundwater Monitoring

Check Std: VN6712-CC6705	Injection Date: 08/30/24
Lab File ID: N0132371.D	Injection Time: 07:22
Instrument ID: GCMSN	Method: SW846 8260D BY SIM

	IS 1 AREA	RT	IS 2 AREA	RT
Initial Cal ^a	57601	6.34	36791	9.51
Check Std ^b	66375	6.34	44473	9.51
Upper Limit ^c	132750	6.51	88946	9.68
Lower Limit ^d	33188	6.17	22237	9.34

Lab Sample ID	IS 1 AREA	RT	IS 2 AREA	RT
VN6712-BS	63875	6.34	41118	9.51
VN6712-MB	52090	6.34	33088	9.52
FC18342-1	54455	6.34	34817	9.52
FC18342-2	53012	6.34	34668	9.52
FC18198-6	52626	6.34	33811	9.52
FC18342-3	52597	6.34	33621	9.52
FC18342-4	52202	6.34	33442	9.52
FC18342-5	50630	6.34	32431	9.52
FC18342-6	50653	6.34	32324	9.52
FC18342-7	50987	6.34	32626	9.52
FC18342-8	50198	6.34	32053	9.52
ZZZZZZ	49847	6.34	32058	9.52
ZZZZZZ	50156	6.34	31790	9.52
ZZZZZZ	50657	6.34	31899	9.52
ZZZZZZ	48388	6.34	31010	9.52
ZZZZZZ	48986	6.34	31689	9.52
ZZZZZZ	49667	6.34	31527	9.52
ZZZZZZ	48621	6.34	31254	9.52
ZZZZZZ	49169	6.34	31569	9.52
ZZZZZZ	47842	6.34	30961	9.52
ZZZZZZ	48718	6.34	31220	9.52
ZZZZZZ	47690	6.34	30788	9.52
FC18198-6MS	55485	6.34	41165	9.52
FC18198-6MSD	58662	6.34	39184	9.51
VN6712-ECC670564811		6.34	44659	9.51

IS 1 = Fluorobenzene
IS 2 = Chlorobenzene-D5

- (a) Initial Cal is: VN6705-ICC6705 N0132202.D 08/20/24 11:04
- (b) Check Std Limit = -50 to + 100% of initial cal area.
- (c) Upper Limit = + 100% of check standard area; Retention time + 0.167 minutes.
- (d) Lower Limit = -50% of check standard area; Retention time -0.167 minutes.

6.5.1
6

Surrogate Recovery Summary

Job Number: FC18342
Account: AHTNACAS Ahtna Global, LLC
Project: Fort Ord Groundwater Monitoring

Method: SW846 8260D BY SIM	Matrix: AQ
-----------------------------------	-------------------

Samples and QC shown here apply to the above method

Lab Sample ID	Lab File ID	S1	S2
FC18342-1	N0132375.D	106	107
FC18342-2	N0132376.D	106	104
FC18342-3	N0132378.D	109	106
FC18342-4	N0132379.D	108	105
FC18342-5	N0132380.D	109	105
FC18342-6	N0132381.D	110	105
FC18342-7	N0132382.D	110	104
FC18342-8	N0132383.D	109	105
FC18198-6MS	N0132395.D	106	90
FC18198-6MSD	N0132396.D	106	103
VN6712-BS	N0132372.D	98	106
VN6712-MB	N0132374.D	105	107

Surrogate Compounds	Recovery Limits
S1 = 1,2-Dichloroethane-D4	74-125%
S2 = Toluene-D8	88-111%

6.6.1
6

Initial Calibration Summary

Job Number: FC18342
Account: AHTNACAS Ahtna Global, LLC
Project: Fort Ord Groundwater Monitoring

Sample: VN6705-ICC6705
Lab FileID: N0132202.D

Response Factor Report MSVOA6-N

Method : C:\msdchem\1\met..._VN6705_082024.M (RTE Integrator)
 Title : Standard Methods 6200B
 Last Update : Tue Aug 20 14:01:28 2024
 Response via : Initial Calibration

Calibration Files

1 =N0132207.D 2 =N0132208.D 3 =N0132200.D 4 =N0132201.D
 5 =N0132202.D 6 =N0132203.D 7 =N0132204.D

Compound	1	2	3	4	5	6	7	Avg	%RSD
1) I Fluorobenzene	-----ISTD-----								
2) Vinyl Chloride	0.524	0.203	0.123	0.115	0.109	0.111	0.105	0.184	83.41
	---- Linear regr., Force(0,0) ---- Coefficient = 0.9993								
	Response Ratio = 0.00000 + 0.11062 *A								
3) Chloromethane	0.373	0.193	0.164	0.149	0.144	0.136	0.193	46.88	
	---- Linear regr., Force(0,0) ---- Coefficient = 0.9990								
	Response Ratio = 0.00000 + 0.14771 *A								
4) 1,1-Dichloroethen	0.184	0.146	0.144	0.137	0.136	0.135	0.147	12.46	
5) Methylene Chlorid		0.280	0.215	0.185	0.172	0.165	0.204	23.15	
	---- Quadratic regr., Force(0,0) ---- Coefficient = 0.9927								
	Response Ratio = 0.00000 + 0.23670 *A + -0.01952 *A^2								
6) trans-1,2-Dichlor	0.152	0.118	0.119	0.116	0.116	0.116	0.123	11.71	
7) 1,1-Dichloroethan	0.199	0.168	0.165	0.156	0.152	0.149	0.165	11.13	
8) cis-1,2-Dichloroe	0.092	0.069	0.069	0.066	0.067	0.068	0.072	13.85	
9) Chloroform	0.311	0.197	0.172	0.154	0.149	0.145	0.188	33.73	
	---- Quadratic regr., Force(0,0) ---- Coefficient = 0.9968								
	Response Ratio = 0.00000 + 0.18931 *A + -0.01236 *A^2								
10) Carbon Tetrachlor	0.093	0.071	0.074	0.070	0.070	0.071	0.075	12.09	
11) 1,1,1-Trichloroet	0.133	0.104	0.104	0.099	0.100	0.099	0.106	12.29	
12) Benzene	0.338	0.258	0.259	0.249	0.249	0.250	0.267	13.14	
13)S 1,2-Dichloroethan	0.436	0.438	0.464	0.438	0.419	0.414	0.401	4.75	
14) 1,2-Dichloroethan	0.143	0.130	0.129	0.122	0.118	0.115	0.126	8.10	
15) Trichloroethene	0.097	0.070	0.071	0.070	0.071	0.071	0.075	13.97	
16) 1,2-Dichloropropa	0.104	0.083	0.083	0.080	0.078	0.078	0.084	11.71	
17) cis-1,3-Dichlorop	0.069	0.056	0.064	0.067	0.071	0.074	0.067	9.18	
18) I Chlorobenzene-d5	-----ISTD-----								
19)S Toluene-d8	1.165	1.153	1.086	1.012	1.108	1.106	1.095	1.104	4.51
20) trans-1,3-Dichlor	0.068	0.070	0.087	0.105	0.111	0.116	0.093	22.28	
	---- Quadratic regr., Force(0,0) ---- Coefficient = 0.9983								
	Response Ratio = 0.00000 + 0.07956 *A + 0.00965 *A^2								
21) Tetrachloroethene	0.141	0.110	0.106	0.109	0.106	0.104	0.113	12.56	
22) 1,4-Dichlorobenze	0.326	0.233	0.231	0.254	0.248	0.241	0.256	13.89	
23) 1,2-Dibromo-3-Chl	0.039	0.022	0.018	0.021	0.021	0.021	0.024	31.24	
	---- Linear regr., Force(0,0) ---- Coefficient = 0.9956								
	Response Ratio = 0.00000 + 0.02093 *A								

(#) = Out of Range

Initial Calibration Verification

Job Number: FC18342
 Account: AHTNACAS Ahtna Global, LLC
 Project: Fort Ord Groundwater Monitoring

Sample: VN6705-ICV6705
 Lab FileID: N0132209.D

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\data\08-20-24\N0132209.D Vial: 13
 Acq On : 20 Aug 2024 1:52 pm Operator: jeniferw
 Sample : ICV6705-5 Inst : MSVOA6-N
 Misc : MS57318,VN6705,,,,, Multiplr: 1.00
 MS Integration Params: rteint.p

Method : C:\msdchem\1\met..._VN6705_082024.M (RTE Integrator)
 Title : Standard Methods 6200B
 Last Update : Tue Aug 20 14:01:28 2024
 Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1 I	Fluorobenzene	1.000	1.000	0.0	106	0.00	6.34
	----- Amount	Calc.	%Drift	-----			
2	Vinyl Chloride	10.000	8.338	16.6	89	0.00	2.06
3	Chloromethane	10.000	8.095	19.0	85	0.00	1.98
	----- AvgRF	CCRF	%Dev	-----			
4	1,1-Dichloroethene	0.147	0.153	-4.1	117	0.00	3.15
	----- Amount	Calc.	%Drift	-----			
5	Methylene Chloride	10.000	10.751	-7.5	120	0.00	3.71
	----- AvgRF	CCRF	%Dev	-----			
6	trans-1,2-Dichloroethene	0.123	0.132	-7.3	121	0.00	3.88
7	1,1-Dichloroethane	0.165	0.173	-4.8	118	0.00	4.49
8	cis-1,2-Dichloroethene	0.072	0.076	-5.6	120	0.00	5.04
	----- Amount	Calc.	%Drift	-----			
9	Chloroform	10.000	10.626	-6.3	119	0.00	5.30
	----- AvgRF	CCRF	%Dev	-----			
10	Carbon Tetrachloride	0.075	0.080	-6.7	121	0.00	5.47
11	1,1,1-Trichloroethane	0.106	0.116	-9.4	124	0.00	5.53
12	Benzene	0.267	0.286	-7.1	121	0.00	5.91
13 S	1,2-Dichloroethane-d4	0.430	0.408	5.1	103	0.00	6.04
14	1,2-Dichloroethane	0.126	0.139	-10.3	120	0.00	6.12
15	Trichloroethene	0.075	0.082	-9.3	124	0.00	6.53
16	1,2-Dichloropropane	0.084	0.091	-8.3	121	0.00	7.05
17	cis-1,3-Dichloropropene	0.067	0.076	-13.4	120	0.00	7.77
18 I	Chlorobenzene-d5	1.000	1.000	0.0	105	0.00	9.52
19 S	Toluene-d8	1.104	1.144	-3.6	108	0.00	7.95
	----- Amount	Calc.	%Drift	-----			
20	trans-1,3-Dichloropropene	10.000	10.987	-9.9	110	0.00	8.42
	----- AvgRF	CCRF	%Dev	-----			
21	Tetrachloroethene	0.113	0.131	-15.9	126	0.00	8.41
22	1,4-Dichlorobenzene	0.256	0.290	-13.3	119	0.00	11.91
	----- Amount	Calc.	%Drift	-----			
23	1,2-Dibromo-3-Chloropropa	10.000	10.883	-8.8	111	0.00	13.18

Continuing Calibration Summary

Job Number: FC18342
Account: AHTNACAS Ahtna Global, LLC
Project: Fort Ord Groundwater Monitoring

Sample: VN6712-CC6705
Lab FileID: N0132371.D

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\data\08-30-24\N0132371.D Vial: 2
 Acq On : 30 Aug 2024 7:22 am Operator: jeniferw
 Sample : CC6705-5 Inst : MSVOA6-N
 Misc : MS57382,VN6712,,,,, Multiplr: 1.00
 MS Integration Params: rteint.p

Method : C:\msdchem\1\met..._VN6705_082024.M (RTE Integrator)
 Title : Standard Methods 6200B
 Last Update : Tue Aug 20 14:01:28 2024
 Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 50% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1 I	Fluorobenzene	1.000	1.000	0.0	115	0.00	6.34
	----- Amount	Calc.	%Drift	-----			
2	Vinyl Chloride	10.000	11.717	-17.2	137	0.00	2.06
3	Chloromethane	10.000	11.120	-11.2	127	0.00	1.98
	----- AvgRF	CCRF	%Dev	-----			
4	1,1-Dichloroethene	0.147	0.133	9.5	111	0.00	3.15
	----- Amount	Calc.	%Drift	-----			
5	Methylene Chloride	10.000	11.554	-15.5	138	0.00	3.71
	----- AvgRF	CCRF	%Dev	-----			
6	trans-1,2-Dichloroethene	0.123	0.120	2.4	119	0.00	3.88
7	1,1-Dichloroethane	0.165	0.162	1.8	120	0.00	4.49
8	cis-1,2-Dichloroethene	0.072	0.073	-1.4	127	0.00	5.04
	----- Amount	Calc.	%Drift	-----			
9	Chloroform	10.000	9.801	2.0	121	0.00	5.30
	----- AvgRF	CCRF	%Dev	-----			
10	Carbon Tetrachloride	0.075	0.065	13.3	107	0.00	5.47
11	1,1,1-Trichloroethane	0.106	0.100	5.7	116	0.00	5.53
12	Benzene	0.267	0.263	1.5	121	0.00	5.91
13 S	1,2-Dichloroethane-d4	0.430	0.420	2.3	116	0.00	6.04
14	1,2-Dichloroethane	0.126	0.124	1.6	116	0.00	6.12
15	Trichloroethene	0.075	0.073	2.7	119	0.00	6.53
16	1,2-Dichloropropane	0.084	0.081	3.6	117	0.00	7.05
17	cis-1,3-Dichloropropene	0.067	0.069	-3.0	118	0.00	7.76
18 I	Chlorobenzene-d5	1.000	1.000	0.0	121	0.00	9.51
19 S	Toluene-d8	1.104	1.112	-0.7	121	0.00	7.94
	----- Amount	Calc.	%Drift	-----			
20	trans-1,3-Dichloropropene	10.000	10.250	-2.5	117	0.00	8.42
	----- AvgRF	CCRF	%Dev	-----			
21	Tetrachloroethene	0.113	0.111	1.8	123	0.00	8.41
22	1,4-Dichlorobenzene	0.256	0.230	10.2	109	0.00	11.91
	----- Amount	Calc.	%Drift	-----			
23	1,2-Dibromo-3-Chloropropa	10.000	4.367	56.3#	51	0.00	13.18

Continuing Calibration Summary

Job Number: FC18342
 Account: AHTNACAS Ahtna Global, LLC
 Project: Fort Ord Groundwater Monitoring

Sample: VN6712-ECC6705
 Lab FileID: N0132397.D

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\data\08-30-24\N0132397.D Vial: 28
 Acq On : 30 Aug 2024 5:39 pm Operator: jeniferw
 Sample : ECC6705-5 Inst : MSVOA6-N
 Misc : MS57392,VN6712,,,,, Multiplr: 1.00
 MS Integration Params: rteint.p

Method : C:\msdchem\1\met..._VN6705_082024.M (RTE Integrator)
 Title : Standard Methods 6200B
 Last Update : Tue Aug 20 14:01:28 2024
 Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 50% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1 I	Fluorobenzene	1.000	1.000	0.0	113	0.00	6.34
	----- Amount	Calc.	%Drift	-----			
2	Vinyl Chloride	10.000	12.990	-29.9	148	0.00	2.06
3	Chloromethane	10.000	12.155	-21.5	135	0.00	1.98
	----- AvgRF	CCRF	%Dev	-----			
4	1,1-Dichloroethene	0.147	0.144	2.0	118	0.00	3.15
	----- Amount	Calc.	%Drift	-----			
5	Methylene Chloride	10.000	22.103	-121.0#	202	0.00	3.72
	----- AvgRF	CCRF	%Dev	-----			
6	trans-1,2-Dichloroethene	0.123	0.125	-1.6	122	0.00	3.89
7	1,1-Dichloroethane	0.165	0.170	-3.0	123	0.00	4.49
8	cis-1,2-Dichloroethene	0.072	0.073	-1.4	124	0.00	5.04
	----- Amount	Calc.	%Drift	-----			
9	Chloroform	10.000	10.175	-1.8	122	0.00	5.30
	----- AvgRF	CCRF	%Dev	-----			
10	Carbon Tetrachloride	0.075	0.069	8.0	111	0.00	5.47
11	1,1,1-Trichloroethane	0.106	0.106	0.0	120	0.00	5.53
12	Benzene	0.267	0.276	-3.4	125	0.00	5.91
13 S	1,2-Dichloroethane-d4	0.430	0.443	-3.0	119	0.00	6.04
14	1,2-Dichloroethane	0.126	0.133	-5.6	122	0.00	6.12
15	Trichloroethene	0.075	0.076	-1.3	122	0.00	6.53
16	1,2-Dichloropropane	0.084	0.085	-1.2	120	0.00	7.05
17	cis-1,3-Dichloropropene	0.067	0.071	-6.0	119	0.00	7.77
18 I	Chlorobenzene-d5	1.000	1.000	0.0	121	0.00	9.51
19 S	Toluene-d8	1.104	1.084	1.8	119	0.00	7.95
	----- Amount	Calc.	%Drift	-----			
20	trans-1,3-Dichloropropene	10.000	10.285	-2.9	118	0.00	8.42
	----- AvgRF	CCRF	%Dev	-----			
21	Tetrachloroethene	0.113	0.114	-0.9	127	0.00	8.41
22	1,4-Dichlorobenzene	0.256	0.253	1.2	121	0.00	11.91
	----- Amount	Calc.	%Drift	-----			
23	1,2-Dibromo-3-Chloropropa	10.000	6.263	37.4	74	0.00	13.18

Run Sequence Report

Job Number: FC18342
Account: AHTNACAS Ahtna Global, LLC
Project: Fort Ord Groundwater Monitoring

Run ID: VN6705	Method: SW846 8260D BY SIM	Instrument ID: GCMSN
-----------------------	-----------------------------------	-----------------------------

Lab Sample ID	Lab File ID	Date/Time Analyzed	Prep QC Batch	Client Sample ID
VN6705-BFB	N0132197.D	08/20/24 09:04	n/a	BFB Tune
VN6705-IC6705	N0132200.D	08/20/24 10:17	n/a	Initial cal 3
VN6705-IC6705	N0132201.D	08/20/24 10:41	n/a	Initial cal 4
VN6705-ICC6705	N0132202.D	08/20/24 11:04	n/a	Initial cal 5
VN6705-IC6705	N0132203.D	08/20/24 11:28	n/a	Initial cal 6
VN6705-IC6705	N0132204.D	08/20/24 11:51	n/a	Initial cal 7
VN6705-IC6705	N0132207.D	08/20/24 13:05	n/a	Initial cal 1
VN6705-IC6705	N0132208.D	08/20/24 13:28	n/a	Initial cal 2
VN6705-ICV6705	N0132209.D	08/20/24 13:52	n/a	Initial cal verification 5

Run Sequence Report

Job Number: FC18342
Account: AHTNACAS Ahtna Global, LLC
Project: Fort Ord Groundwater Monitoring

Run ID: VN6712 **Method:** SW846 8260D BY SIM **Instrument ID:** GCMSN

Lab Sample ID	Lab File ID	Date/Time Analyzed	Prep QC Batch	Client Sample ID
VN6712-BFB	N0132370.D	08/30/24 06:56	n/a	BFB Tune
VN6712-CC6705	N0132371.D	08/30/24 07:22	n/a	Continuing cal 5
VN6712-BS	N0132372.D	08/30/24 07:47	n/a	Blank Spike
VN6712-MB	N0132374.D	08/30/24 08:33	n/a	Method Blank
FC18342-1	N0132375.D	08/30/24 09:06	n/a	24340BWX209A
FC18342-2	N0132376.D	08/30/24 09:30	n/a	24340BWX192C
FC18198-6	N0132377.D	08/30/24 09:53	n/a	(used for QC only; not part of job FC18342)
FC18342-3	N0132378.D	08/30/24 10:16	n/a	2434X0BW023F
FC18342-4	N0132379.D	08/30/24 10:40	n/a	2434W0BW151F
FC18342-5	N0132380.D	08/30/24 11:03	n/a	2434W0BW152F
FC18342-6	N0132381.D	08/30/24 11:26	n/a	2434W0BW168F
FC18342-7	N0132382.D	08/30/24 11:49	n/a	2434WOU2145F
FC18342-8	N0132383.D	08/30/24 12:13	n/a	2434WOU2147F
ZZZZZZ	N0132384.D	08/30/24 12:36	n/a	(unrelated sample)
ZZZZZZ	N0132385.D	08/30/24 12:59	n/a	(unrelated sample)
ZZZZZZ	N0132386.D	08/30/24 13:23	n/a	(unrelated sample)
ZZZZZZ	N0132387.D	08/30/24 13:46	n/a	(unrelated sample)
ZZZZZZ	N0132388.D	08/30/24 14:09	n/a	(unrelated sample)
ZZZZZZ	N0132389.D	08/30/24 14:33	n/a	(unrelated sample)
ZZZZZZ	N0132390.D	08/30/24 14:56	n/a	(unrelated sample)
ZZZZZZ	N0132391.D	08/30/24 15:19	n/a	(unrelated sample)
ZZZZZZ	N0132392.D	08/30/24 15:43	n/a	(unrelated sample)
ZZZZZZ	N0132393.D	08/30/24 16:06	n/a	(unrelated sample)
ZZZZZZ	N0132394.D	08/30/24 16:29	n/a	(unrelated sample)
FC18198-6MS	N0132395.D	08/30/24 16:53	n/a	Matrix Spike
FC18198-6MSD	N0132396.D	08/30/24 17:16	n/a	Matrix Spike Duplicate
VN6712-ECC6705	N0132397.D	08/30/24 17:39	n/a	Ending cal 5

MS Volatiles

Raw Data

7

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\08-30-24\
 Data File : N0132375.D
 Acq On : 30 Aug 2024 9:06 am
 Operator : jeniferw
 Sample : FC18342-1
 Misc : MS57392,VN6712,,,,,
 ALS Vial : 6 Sample Multiplier: 1

Quant Time: Sep 03 09:57:58 2024
 Quant Method : C:\msdchem\1\methods\SIMCL_VN6705_082024.M
 Quant Title : Standard Methods 6200B
 QLast Update : Tue Aug 20 14:01:28 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	Qvalue

Internal Standards							
1) Fluorobenzene	6.341	96	54455	5.00	ug/L	0.00	
18) Chlorobenzene-d5	9.519	117	34817	5.00	ug/L	0.00	
System Monitoring Compounds							
13) 1,2-Dichloroethane-d4	6.045	65	24816	5.30	ug/L	0.00	
Spiked Amount	5.000	Range 74 - 125	Recovery	=	106.00%		
19) Toluene-d8	7.950	98	40985	5.33	ug/L	0.00	
Spiked Amount	5.000	Range 88 - 111	Recovery	=	106.60%		
Target Compounds							
3) Chloromethane	1.982	50	451	0.28	ug/L		93
5) Methylene Chloride	3.718	49	4191	1.67	ug/L		91
9) Chloroform	5.310	83	301m	0.15	ug/L		

(#) = qualifier out of range (m) = manual integration (+) = signals summed

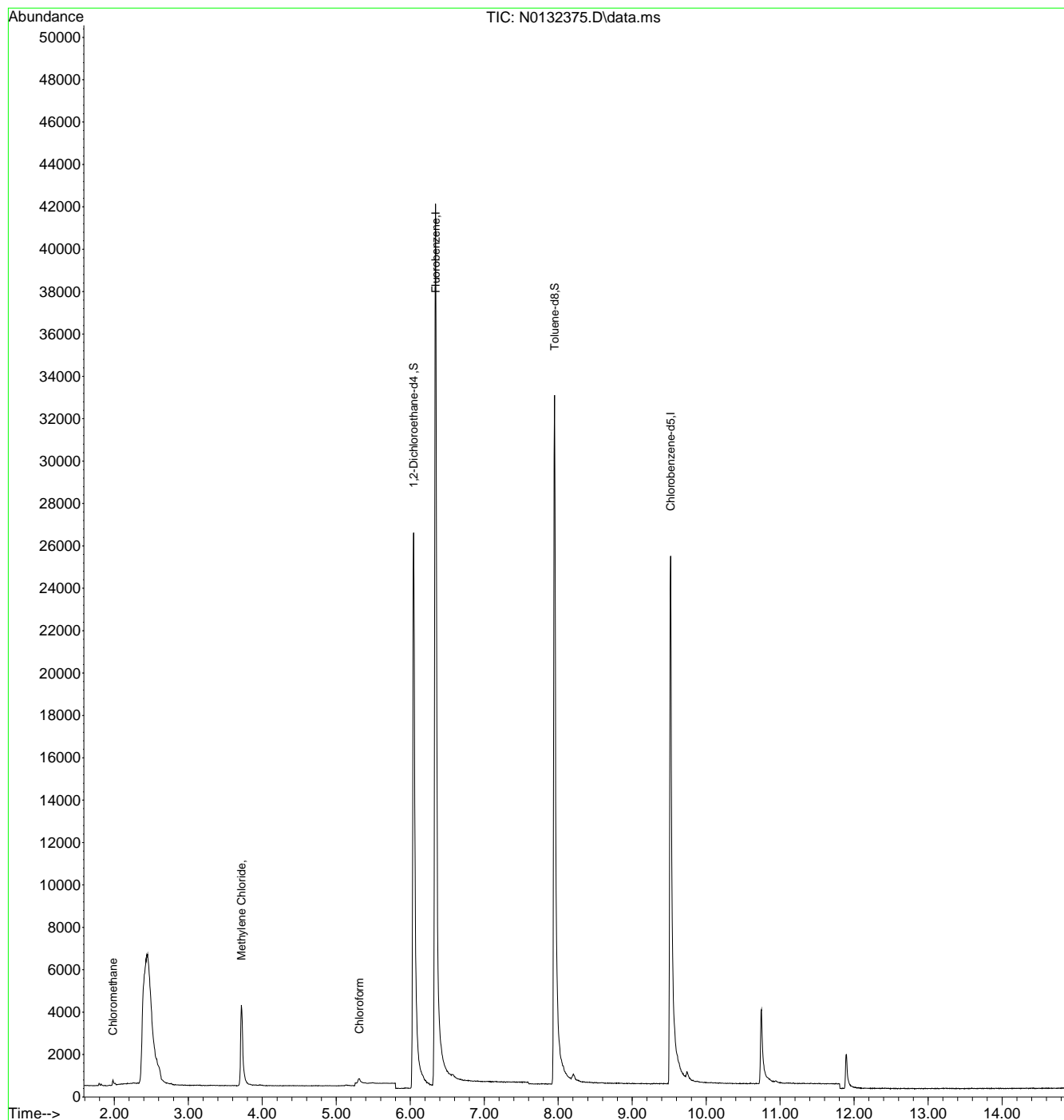
7.1.1
7



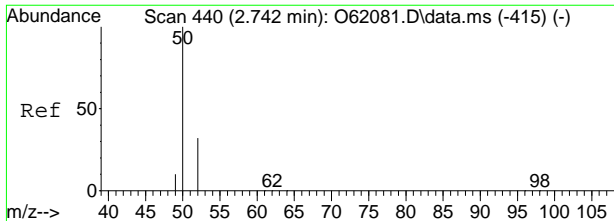
Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\08-30-24\
 Data File : N0132375.D
 Acq On : 30 Aug 2024 9:06 am
 Operator : jeniferw
 Sample : FC18342-1
 Misc : MS57392,VN6712,,,,,
 ALS Vial : 6 Sample Multiplier: 1

Quant Time: Sep 03 09:57:58 2024
 Quant Method : C:\msdchem\1\methods\SIMCL_VN6705_082024.M
 Quant Title : Standard Methods 6200B
 QLast Update : Tue Aug 20 14:01:28 2024
 Response via : Initial Calibration

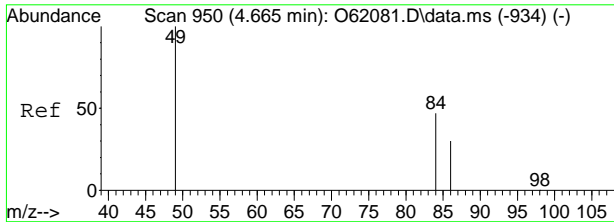
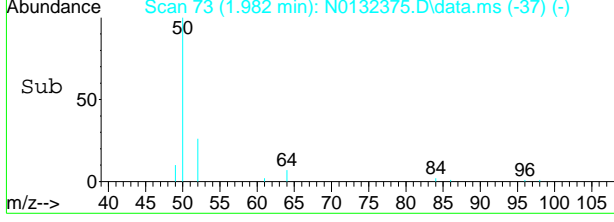
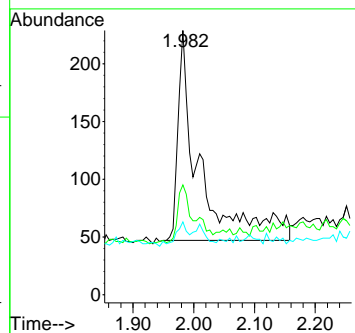
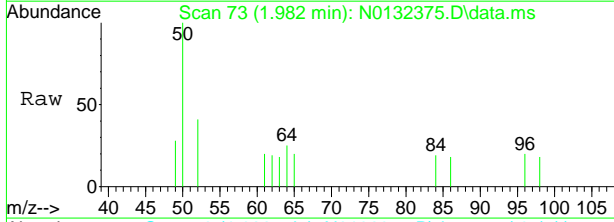


7.1.1
7



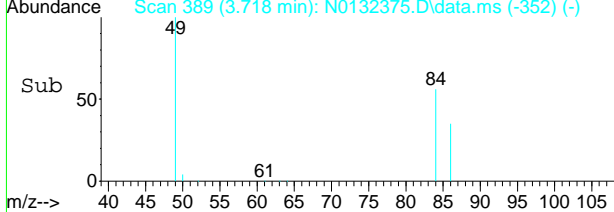
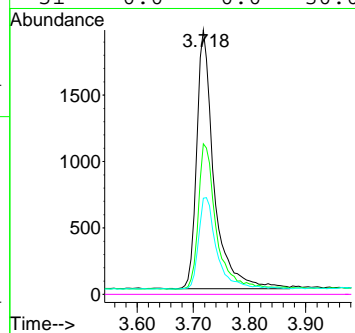
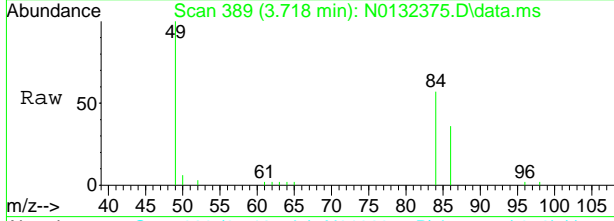
#3
 Chloromethane
 Concen: 0.28 ug/L
 RT: 1.982 min Scan# 73
 Delta R.T. 0.000 min
 Lab File: N0132375.D
 Acq: 30 Aug 2024 9:06 am

Tgt Ion	Ratio	Lower	Upper
50	100		
52	27.5	2.1	62.1
49	10.4	0.0	39.6

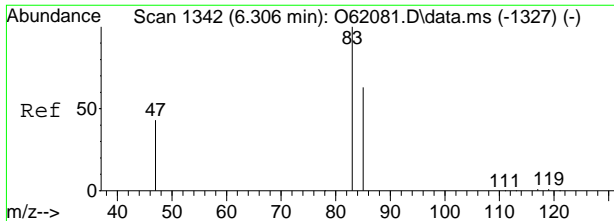


#5
 Methylene Chloride
 Concen: 1.67 ug/L
 RT: 3.718 min Scan# 389
 Delta R.T. 0.006 min
 Lab File: N0132375.D
 Acq: 30 Aug 2024 9:06 am

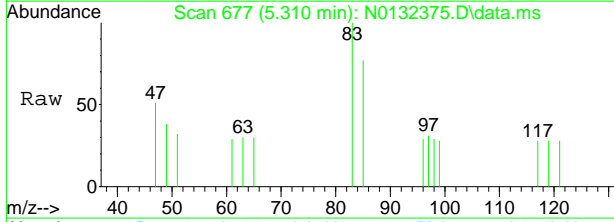
Tgt Ion	Ratio	Lower	Upper
49	100		
84	56.1	20.0	80.0
86	34.9	0.4	60.4
51	0.0	0.0	30.0



7.1.1
7

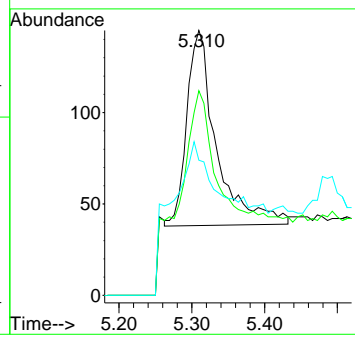
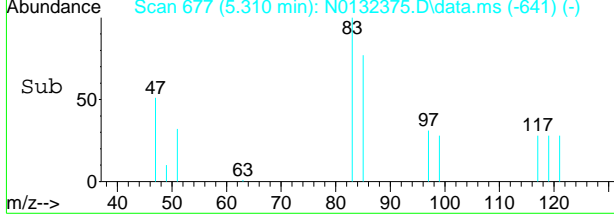


#9
 Chloroform
 Concen: 0.15 ug/L m
 RT: 5.310 min Scan# 677
 Delta R.T. 0.007 min
 Lab File: N0132375.D
 Acq: 30 Aug 2024 9:06 am



Tgt Ion: 83 Resp: 301

Ion	Ratio	Lower	Upper
83	100		
85	77.2	36.3	96.3
47	51.0	2.6	62.6



7.1.1
7

Manual Integration Approval Summary

Sample Number: FC18342-1 **Method:** SW846 8260D BY SIM
Lab FileID: N0132375.D **Analyst approved:** 09/03/24 10:23 Jenifer Willis
Injection Time: 08/30/24 09:06 **Supervisor approved:** 09/03/24 12:20 Karen Watson

Parameter	CAS	Sig#	R.T. (min.)	Reason
Chloroform	67-66-3		5.31	Poorly defined baseline

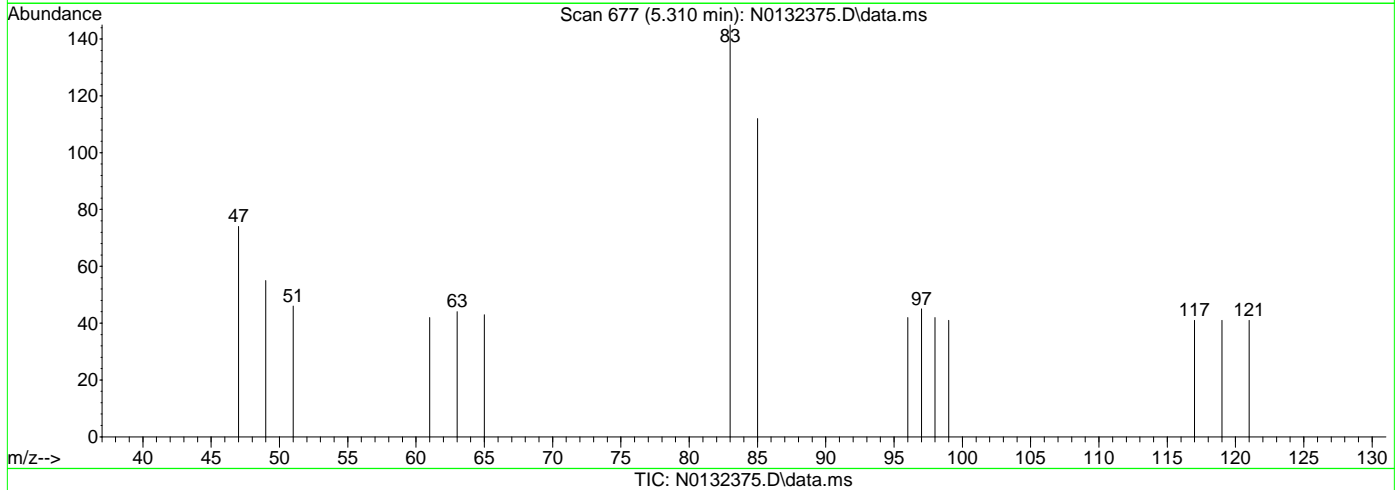
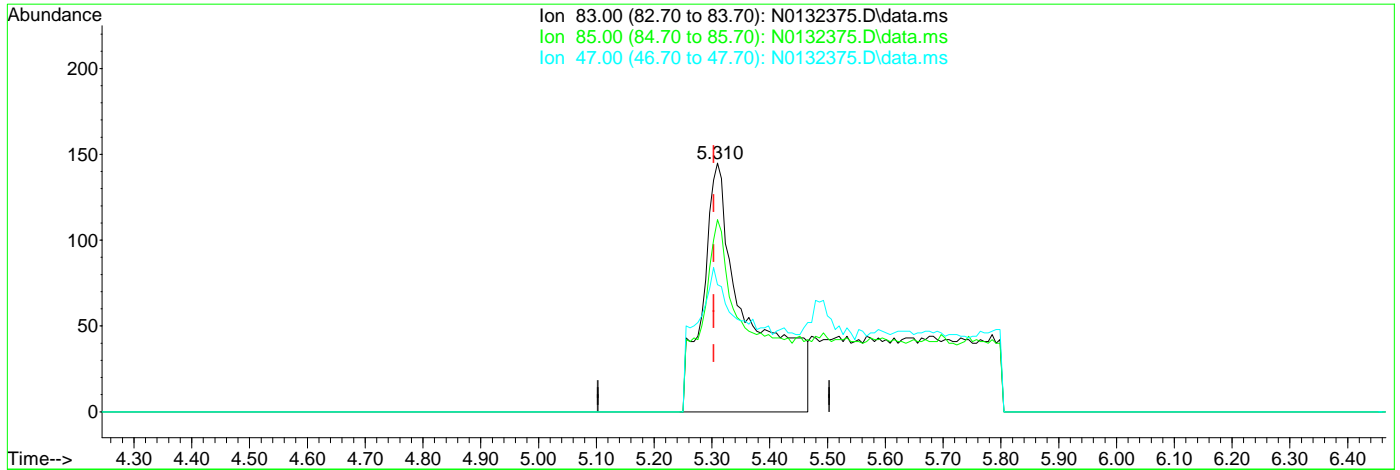
7.1.1.1

7

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\08-30-24\
 Data File : N0132375.D
 Acq On : 30 Aug 2024 9:06 am
 Operator : jeniferw
 Sample : FC18342-1
 Misc : MS57392,VN6712,,,,,
 ALS Vial : 6 Sample Multiplier: 1

Quant Time: Sep 03 05:50:44 2024
 Quant Method : C:\msdchem\1\methods\SIMCL_VN6705_082024.M
 Quant Title : Standard Methods 6200B
 QLast Update : Tue Aug 20 14:01:28 2024
 Response via : Initial Calibration



(9) Chloroform

5.310min (+0.007) 0.39ug/L

response 804

Ion	Exp%	Act%
83.00	100	100
85.00	66.30	77.24
47.00	32.60	51.03
0.00	0.00	0.00

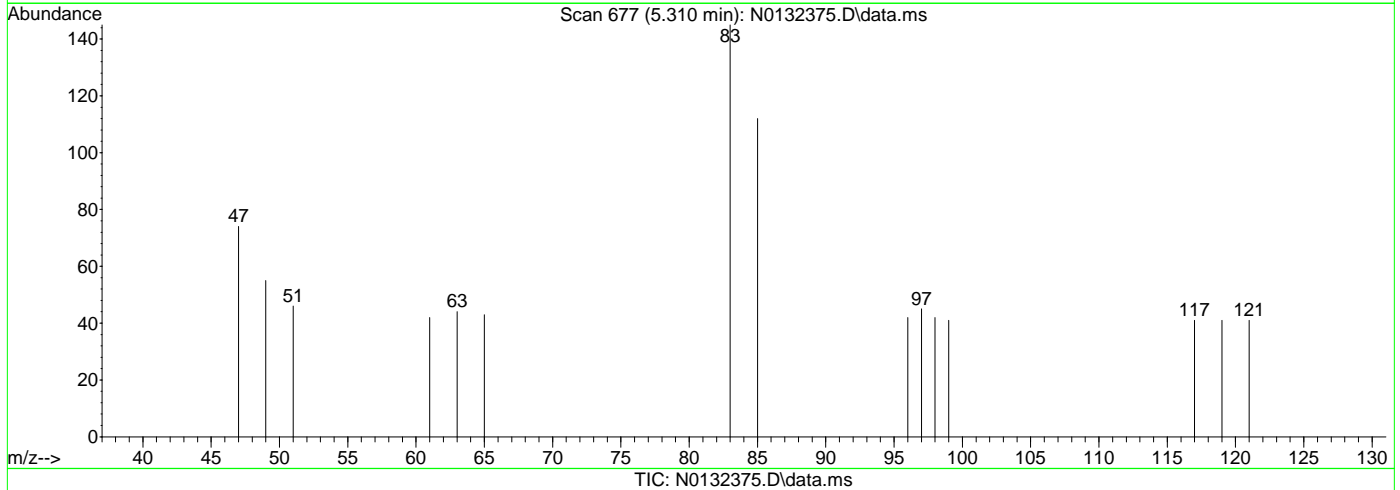
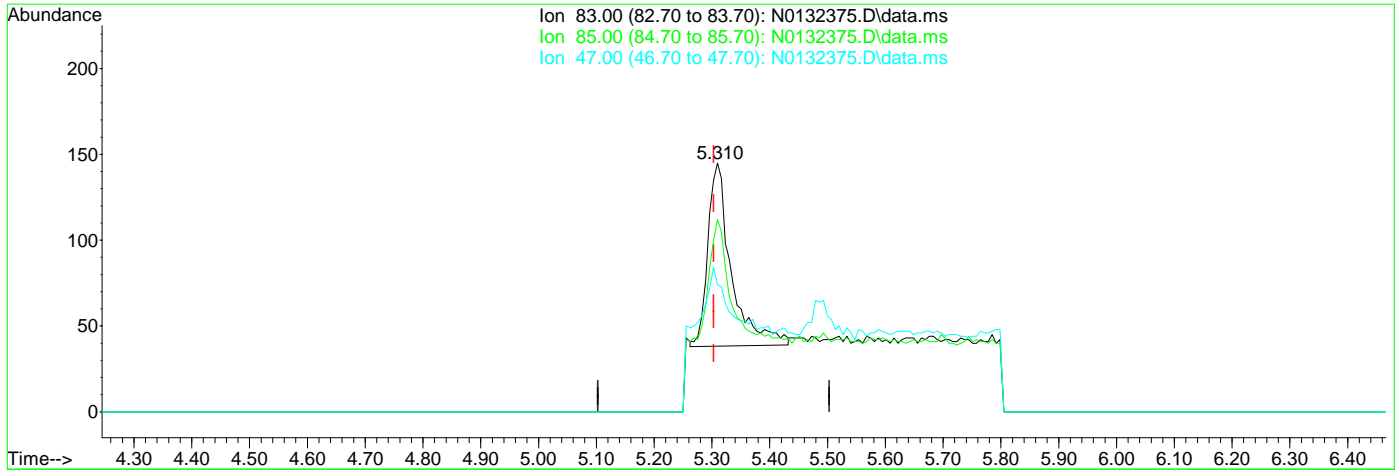
7.1.1.2
7



Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\08-30-24\
 Data File : N0132375.D
 Acq On : 30 Aug 2024 9:06 am
 Operator : jeniferw
 Sample : FC18342-1
 Misc : MS57392,VN6712,,,,,
 ALS Vial : 6 Sample Multiplier: 1

Quant Time: Sep 03 05:50:44 2024
 Quant Method : C:\msdchem\1\methods\SIMCL_VN6705_082024.M
 Quant Title : Standard Methods 6200B
 QLast Update : Tue Aug 20 14:01:28 2024
 Response via : Initial Calibration



(9) Chloroform
 5.310min (+0.007) 0.15ug/L m

response 301

Ion	Exp%	Act%
83.00	100	100
85.00	66.30	77.24
47.00	32.60	51.03
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\08-30-24\
 Data File : N0132376.D
 Acq On : 30 Aug 2024 9:30 am
 Operator : jeniferw
 Sample : FC18342-2
 Misc : MS57392,VN6712,,,,,
 ALS Vial : 7 Sample Multiplier: 1

Quant Time: Sep 03 09:55:57 2024
 Quant Method : C:\msdchem\1\methods\SIMCL_VN6705_082024.M
 Quant Title : Standard Methods 6200B
 QLast Update : Tue Aug 20 14:01:28 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	Qvalue

Internal Standards							
1) Fluorobenzene	6.341	96	53012	5.00	ug/L	0.00	
18) Chlorobenzene-d5	9.519	117	34668	5.00	ug/L	0.00	
System Monitoring Compounds							
13) 1,2-Dichloroethane-d4	6.045	65	24212	5.31	ug/L	0.00	
Spiked Amount	5.000	Range 74 - 125	Recovery	=	106.20%		
19) Toluene-d8	7.951	98	39686	5.19	ug/L	0.00	
Spiked Amount	5.000	Range 88 - 111	Recovery	=	103.80%		
Target Compounds							
3) Chloromethane	1.977	50	449	0.29	ug/L	99	
5) Methylene Chloride	3.718	49	3026	1.23	ug/L	91	

(#) = qualifier out of range (m) = manual integration (+) = signals summed

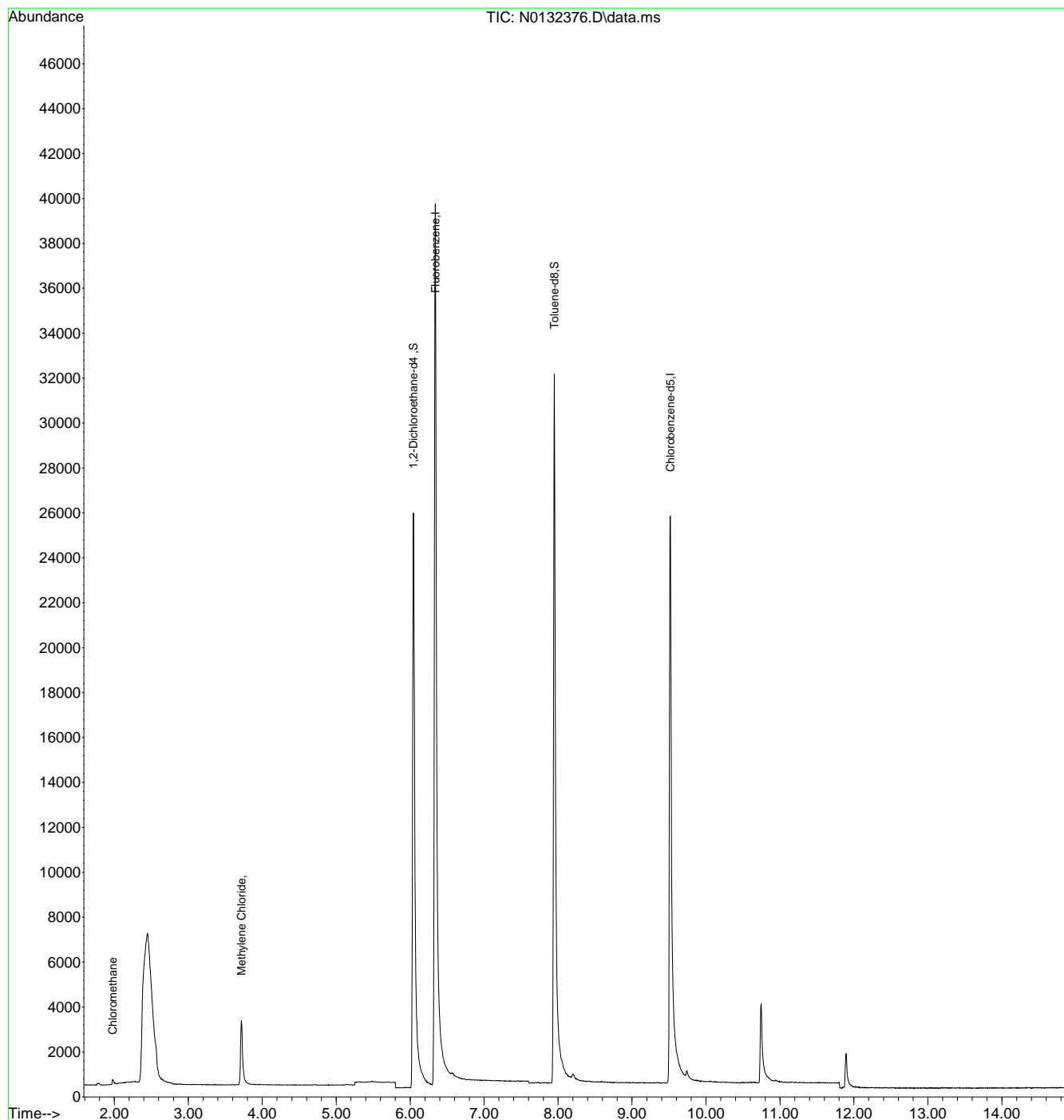
7.1.2
7



Quantitation Report (QT Reviewed)

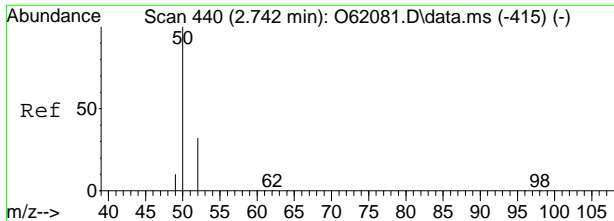
Data Path : C:\msdchem\1\data\08-30-24\
 Data File : N0132376.D
 Acq On : 30 Aug 2024 9:30 am
 Operator : jeniferw
 Sample : FC18342-2
 Misc : MS57392,VN6712,,,,,
 ALS Vial : 7 Sample Multiplier: 1

Quant Time: Sep 03 09:55:57 2024
 Quant Method : C:\msdchem\1\methods\SIMCL_VN6705_082024.M
 Quant Title : Standard Methods 6200B
 QLast Update : Tue Aug 20 14:01:28 2024
 Response via : Initial Calibration



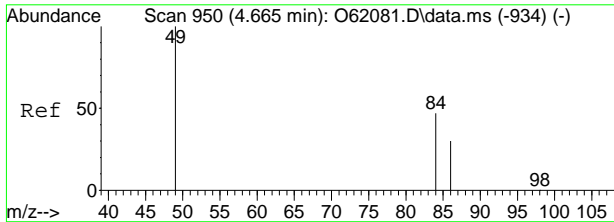
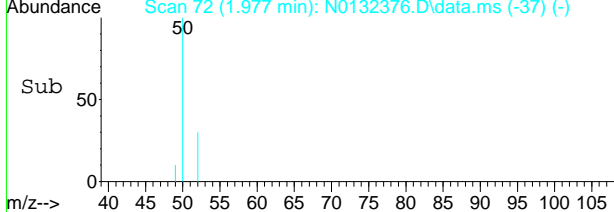
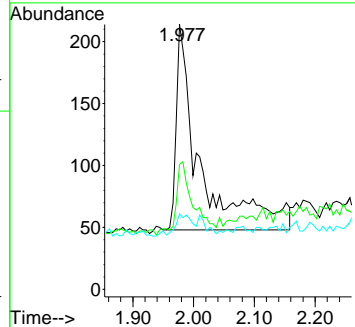
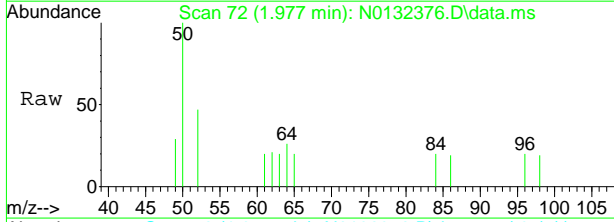
7.1.2
7





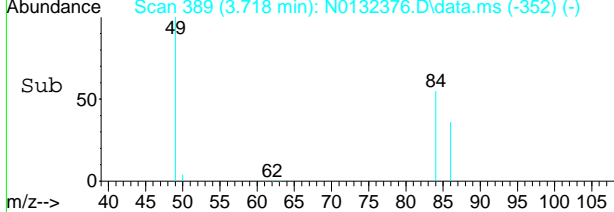
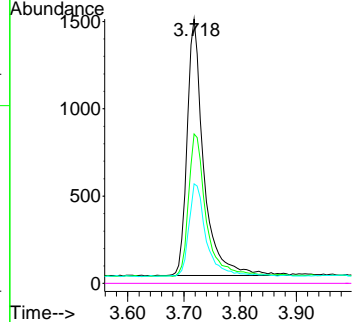
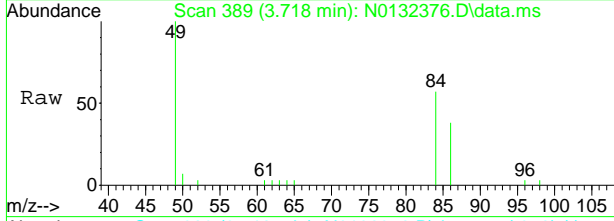
#3
 Chloromethane
 Concen: 0.29 ug/L
 RT: 1.977 min Scan# 72
 Delta R.T. -0.005 min
 Lab File: N0132376.D
 Acq: 30 Aug 2024 9:30 am

Tgt Ion	Ratio	Lower	Upper
50	100		
52	31.3	2.1	62.1
49	10.2	0.0	39.6



#5
 Methylene Chloride
 Concen: 1.23 ug/L
 RT: 3.718 min Scan# 389
 Delta R.T. 0.006 min
 Lab File: N0132376.D
 Acq: 30 Aug 2024 9:30 am

Tgt Ion	Ratio	Lower	Upper
49	100		
84	55.4	20.0	80.0
86	36.0	0.4	60.4
51	0.0	0.0	30.0



7.12
7

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\08-30-24\
 Data File : N0132378.D
 Acq On : 30 Aug 2024 10:16 am
 Operator : jeniferw
 Sample : FC18342-3
 Misc : MS57392,VN6712,,,,,
 ALS Vial : 9 Sample Multiplier: 1

Quant Time: Sep 03 09:56:48 2024
 Quant Method : C:\msdchem\1\methods\SIMCL_VN6705_082024.M
 Quant Title : Standard Methods 6200B
 QLast Update : Tue Aug 20 14:01:28 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	Qvalue

Internal Standards							
1) Fluorobenzene	6.341	96	52597	5.00	ug/L	0.00	
18) Chlorobenzene-d5	9.519	117	33621	5.00	ug/L	0.00	
System Monitoring Compounds							
13) 1,2-Dichloroethane-d4	6.045	65	24665	5.45	ug/L	0.00	
Spiked Amount	5.000	Range 74 - 125	Recovery	=	109.00%		
19) Toluene-d8	7.950	98	39160	5.28	ug/L	0.00	
Spiked Amount	5.000	Range 88 - 111	Recovery	=	105.60%		
Target Compounds							
3) Chloromethane	1.982	50	288	0.19	ug/L	95	
5) Methylene Chloride	3.718	49	2947	1.21	ug/L	93	
10) Carbon Tetrachloride	5.473	117	211	0.27	ug/L	87	

(#) = qualifier out of range (m) = manual integration (+) = signals summed

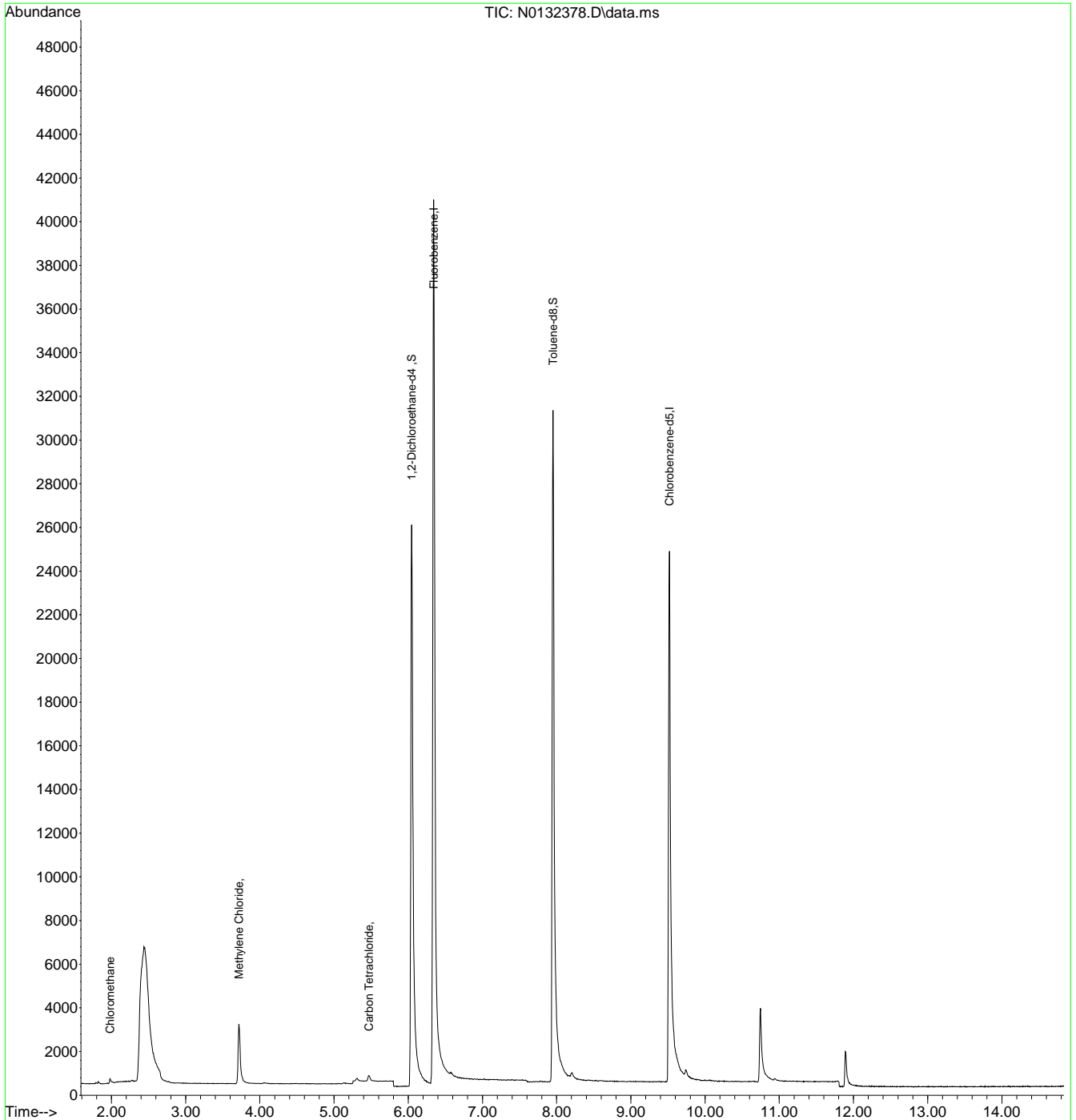
7.1.3
7



Quantitation Report (QT Reviewed)

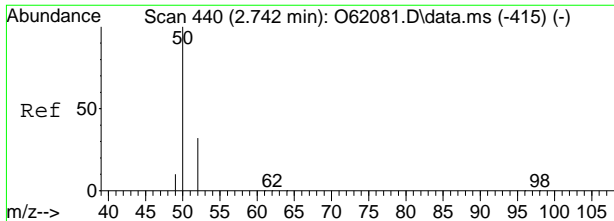
Data Path : C:\msdchem\1\data\08-30-24\
 Data File : N0132378.D
 Acq On : 30 Aug 2024 10:16 am
 Operator : jeniferw
 Sample : FC18342-3
 Misc : MS57392,VN6712,,,,,
 ALS Vial : 9 Sample Multiplier: 1

Quant Time: Sep 03 09:56:48 2024
 Quant Method : C:\msdchem\1\methods\SIMCL_VN6705_082024.M
 Quant Title : Standard Methods 6200B
 QLast Update : Tue Aug 20 14:01:28 2024
 Response via : Initial Calibration



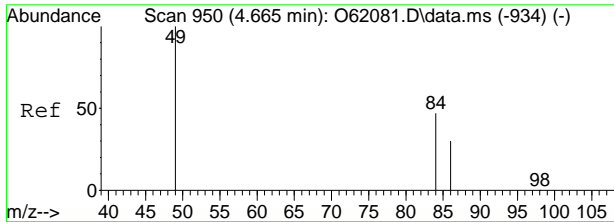
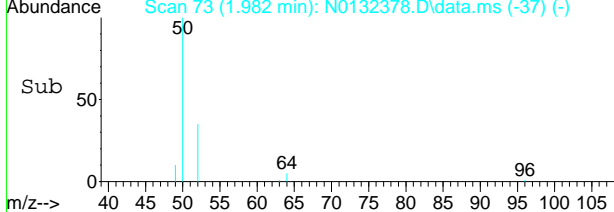
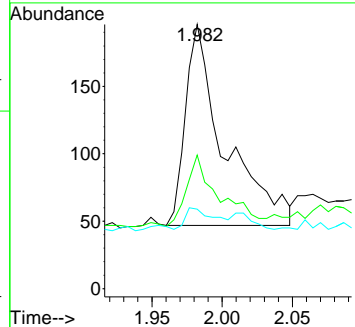
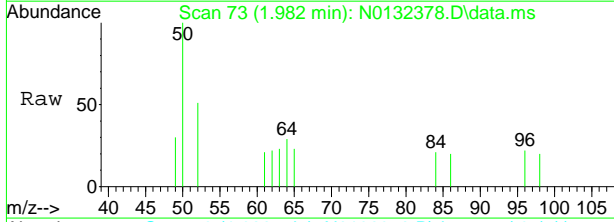
7.1.3
7





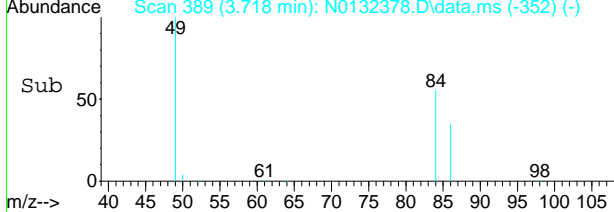
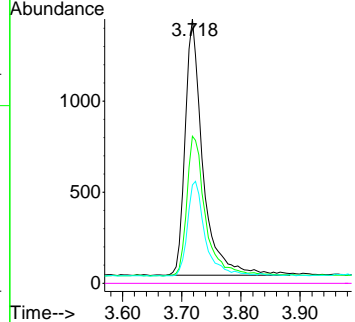
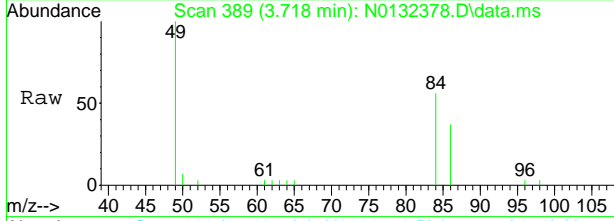
#3
 Chloromethane
 Concen: 0.19 ug/L
 RT: 1.982 min Scan# 73
 Delta R.T. 0.000 min
 Lab File: N0132378.D
 Acq: 30 Aug 2024 10:16 am

Tgt Ion	Ratio	Lower	Upper
50	100		
52	35.6	2.1	62.1
49	9.4	0.0	39.6

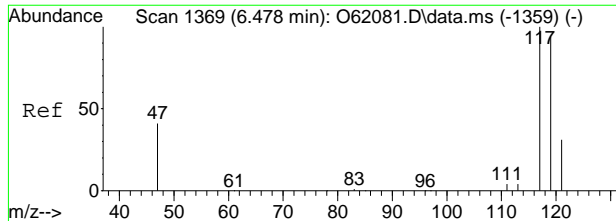


#5
 Methylene Chloride
 Concen: 1.21 ug/L
 RT: 3.718 min Scan# 389
 Delta R.T. 0.006 min
 Lab File: N0132378.D
 Acq: 30 Aug 2024 10:16 am

Tgt Ion	Ratio	Lower	Upper
49	100		
84	54.4	20.0	80.0
86	35.4	0.4	60.4
51	0.0	0.0	30.0

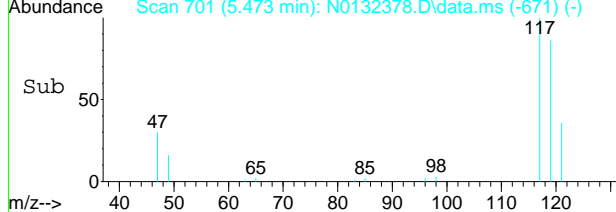
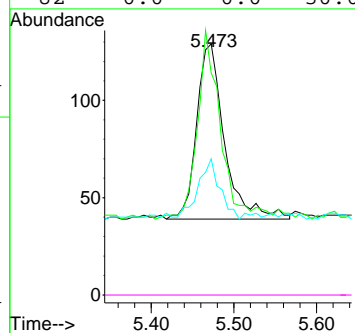
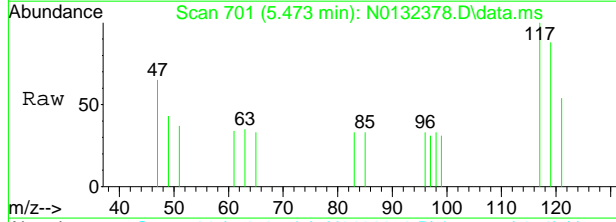


7.13
7



#10
 Carbon Tetrachloride
 Concen: 0.27 ug/L
 RT: 5.473 min Scan# 701
 Delta R.T. 0.007 min
 Lab File: N0132378.D
 Acq: 30 Aug 2024 10:16 am

Tgt Ion	Ratio	Lower	Upper
117	100		
119	81.1	67.0	127.0
121	32.2	0.5	60.5
82	0.0	0.0	30.0



7.1.3
7



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\08-30-24\
 Data File : N0132379.D
 Acq On : 30 Aug 2024 10:40 am
 Operator : jeniferw
 Sample : FC18342-4
 Misc : MS57392,VN6712,,,,,
 ALS Vial : 10 Sample Multiplier: 1

Quant Time: Sep 03 09:57:18 2024
 Quant Method : C:\msdchem\1\methods\SIMCL_VN6705_082024.M
 Quant Title : Standard Methods 6200B
 QLast Update : Tue Aug 20 14:01:28 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	Qvalue

Internal Standards							
1) Fluorobenzene	6.341	96	52202	5.00	ug/L	0.00	
18) Chlorobenzene-d5	9.519	117	33442	5.00	ug/L	0.00	
System Monitoring Compounds							
13) 1,2-Dichloroethane-d4	6.045	65	24299	5.41	ug/L	0.00	
Spiked Amount	5.000	Range 74 - 125	Recovery	=	108.20%		
19) Toluene-d8	7.950	98	38626	5.23	ug/L	0.00	
Spiked Amount	5.000	Range 88 - 111	Recovery	=	104.60%		
Target Compounds							
3) Chloromethane	1.982	50	412	0.27	ug/L	94	
5) Methylene Chloride	3.718	49	2884	1.19	ug/L	94	
15) Trichloroethene	6.560	95	217	0.28	ug/L	76	

(#) = qualifier out of range (m) = manual integration (+) = signals summed

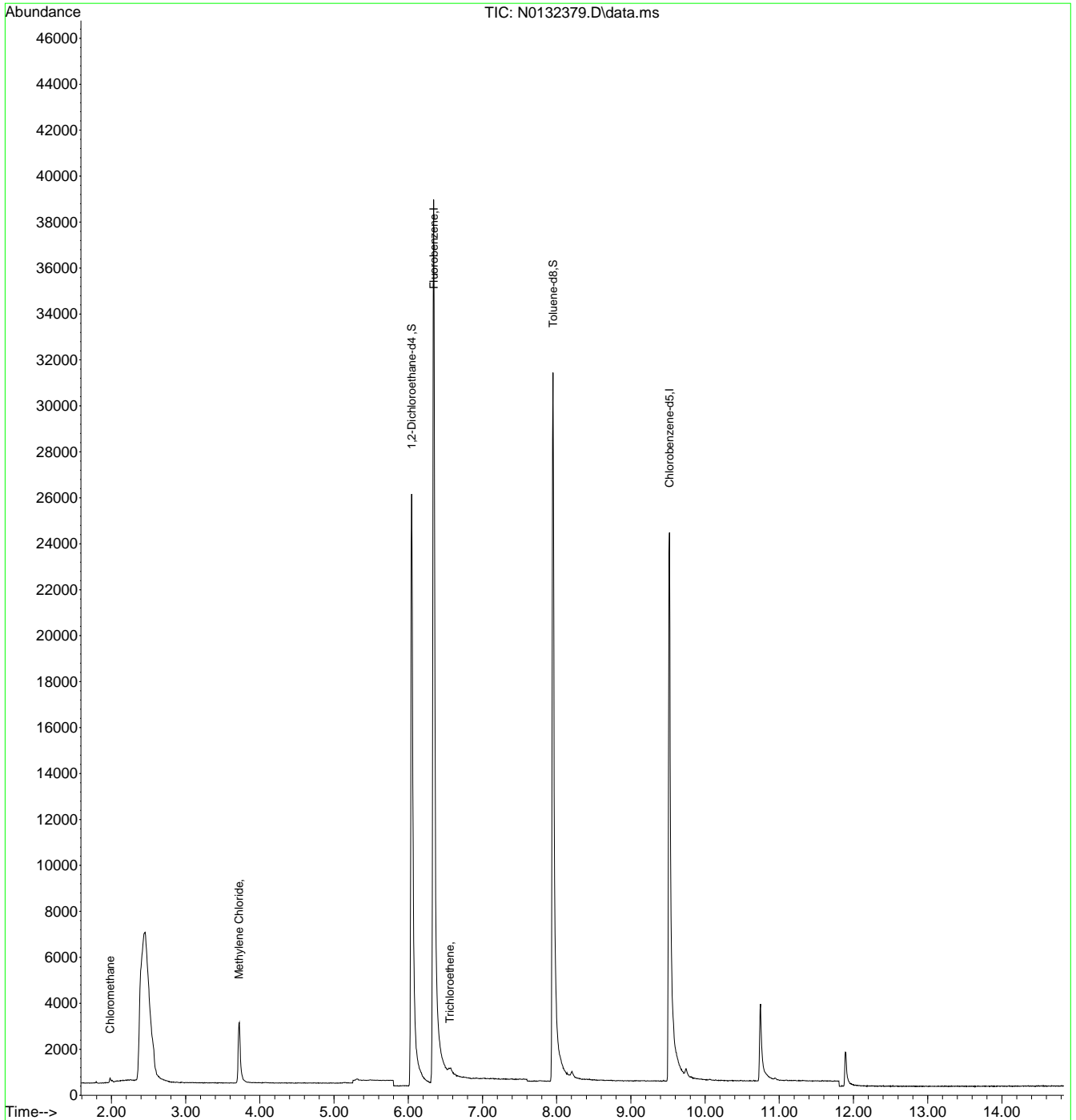
7.14
7

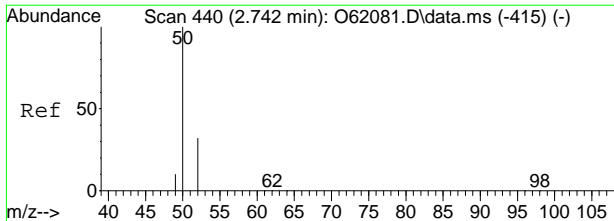


Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\08-30-24\
 Data File : N0132379.D
 Acq On : 30 Aug 2024 10:40 am
 Operator : jeniferw
 Sample : FC18342-4
 Misc : MS57392,VN6712,,,,,
 ALS Vial : 10 Sample Multiplier: 1

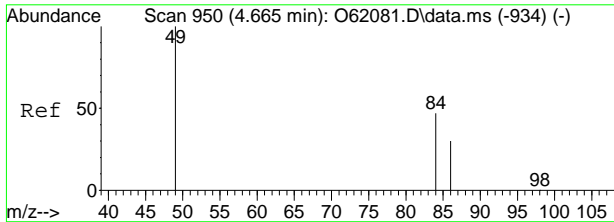
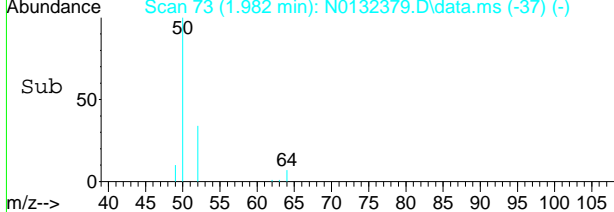
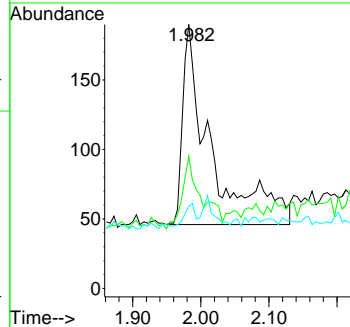
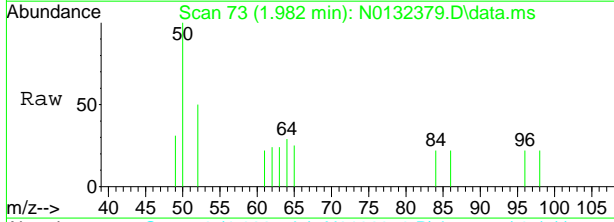
Quant Time: Sep 03 09:57:18 2024
 Quant Method : C:\msdchem\1\methods\SIMCL_VN6705_082024.M
 Quant Title : Standard Methods 6200B
 QLast Update : Tue Aug 20 14:01:28 2024
 Response via : Initial Calibration





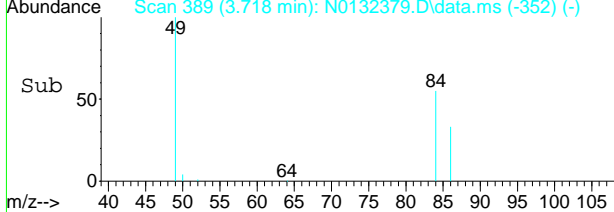
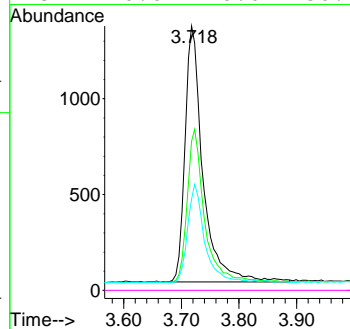
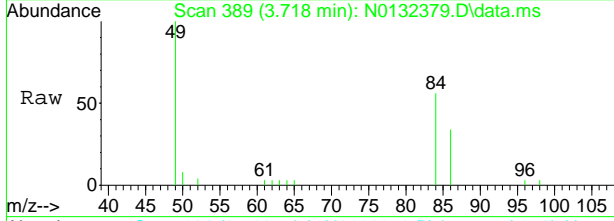
#3
 Chloromethane
 Concen: 0.27 ug/L
 RT: 1.982 min Scan# 73
 Delta R.T. 0.000 min
 Lab File: N0132379.D
 Acq: 30 Aug 2024 10:40 am

Tgt Ion	Ratio	Lower	Upper
50	100		
52	36.1	2.1	62.1
49	9.0	0.0	39.6



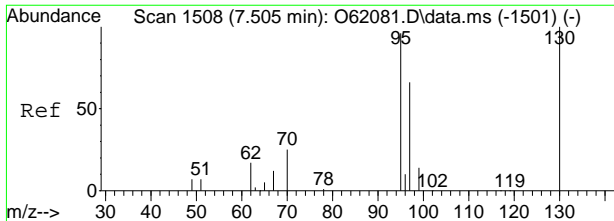
#5
 Methylene Chloride
 Concen: 1.19 ug/L
 RT: 3.718 min Scan# 389
 Delta R.T. 0.006 min
 Lab File: N0132379.D
 Acq: 30 Aug 2024 10:40 am

Tgt Ion	Ratio	Lower	Upper
49	100		
84	55.0	20.0	80.0
86	32.6	0.4	60.4
51	0.0	0.0	30.0



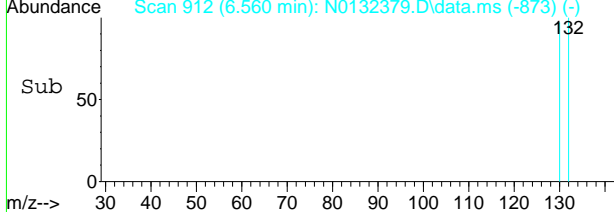
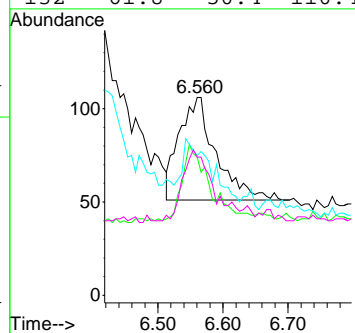
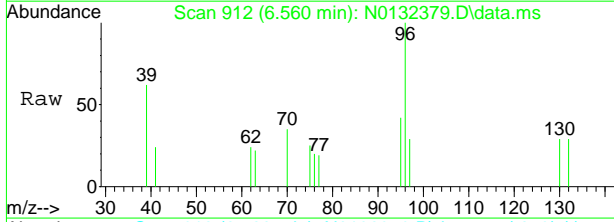
7.14
7





#15
 Trichloroethene
 Concen: 0.28 ug/L
 RT: 6.560 min Scan# 912
 Delta R.T. 0.029 min
 Lab File: N0132379.D
 Acq: 30 Aug 2024 10:40 am

Tgt Ion	Ratio	Lower	Upper
95	100		
130	60.0	55.7	115.7
97	49.1	36.4	96.4
132	61.8	50.4	110.4



7.14
7



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\08-30-24\
 Data File : N0132380.D
 Acq On : 30 Aug 2024 11:03 am
 Operator : jeniferw
 Sample : FC18342-5
 Misc : MS57392,VN6712,,,,,
 ALS Vial : 11 Sample Multiplier: 1

Quant Time: Sep 03 10:07:56 2024
 Quant Method : C:\msdchem\1\methods\SIMCL_VN6705_082024.M
 Quant Title : Standard Methods 6200B
 QLast Update : Tue Aug 20 14:01:28 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Fluorobenzene	6.341	96	50630	5.00	ug/L	0.00
18) Chlorobenzene-d5	9.519	117	32431	5.00	ug/L	0.00
System Monitoring Compounds						
13) 1,2-Dichloroethane-d4	6.045	65	23778	5.46	ug/L	0.00
Spiked Amount	5.000	Range 74 - 125	Recovery	=	109.20%	
19) Toluene-d8	7.951	98	37410	5.23	ug/L	0.00
Spiked Amount	5.000	Range 88 - 111	Recovery	=	104.60%	
Target Compounds						
3) Chloromethane	1.982	50	447	0.30	ug/L	94
5) Methylene Chloride	3.718	49	2845	1.21	ug/L	91

(#) = qualifier out of range (m) = manual integration (+) = signals summed

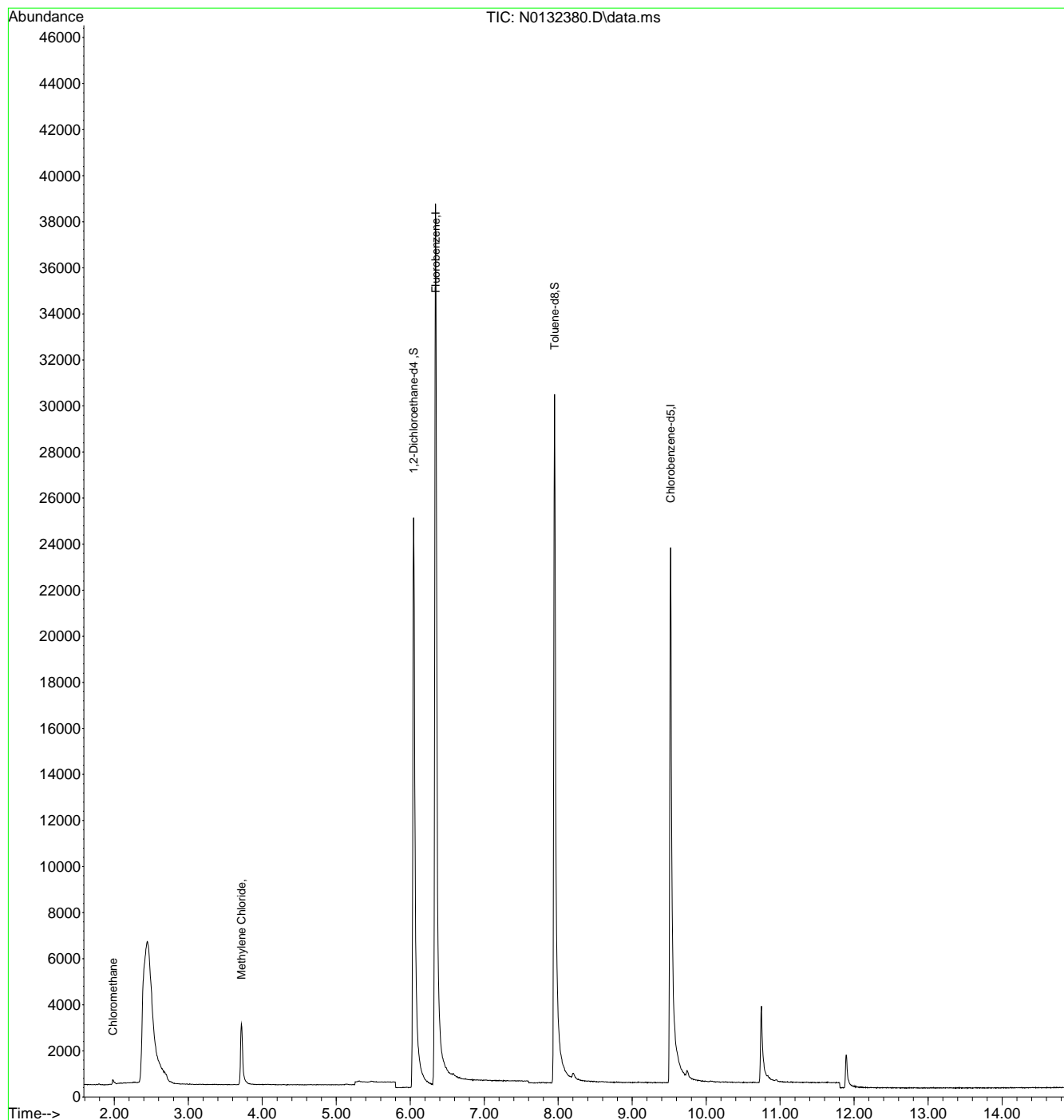
7.1.5
7



Quantitation Report (QT Reviewed)

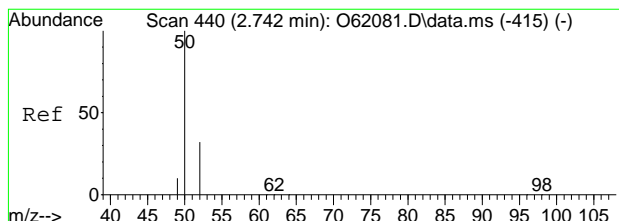
Data Path : C:\msdchem\1\data\08-30-24\
Data File : N0132380.D
Acq On : 30 Aug 2024 11:03 am
Operator : jeniferw
Sample : FC18342-5
Misc : MS57392,VN6712,,,,,
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Sep 03 10:07:56 2024
Quant Method : C:\msdchem\1\methods\SIMCL_VN6705_082024.M
Quant Title : Standard Methods 6200B
QLast Update : Tue Aug 20 14:01:28 2024
Response via : Initial Calibration



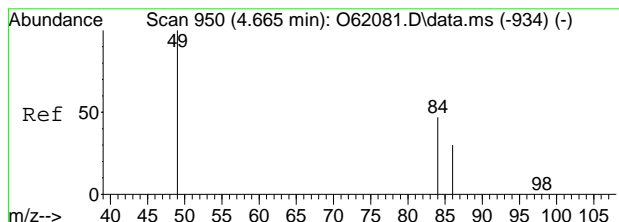
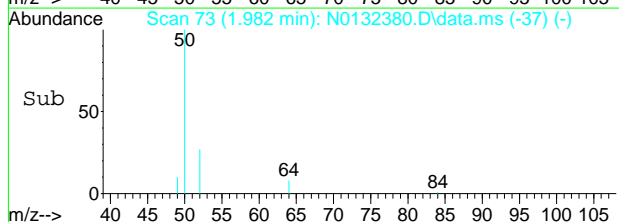
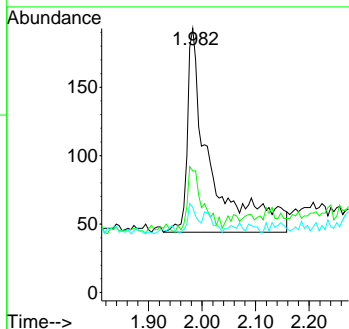
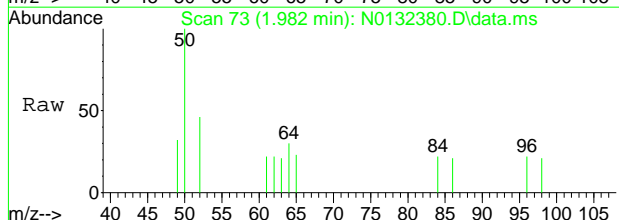
7.1.5
7





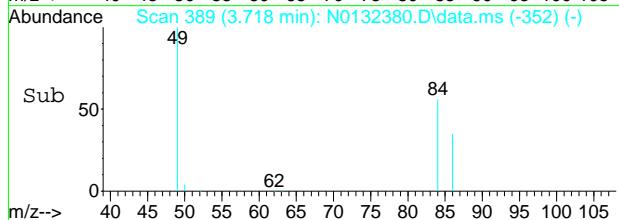
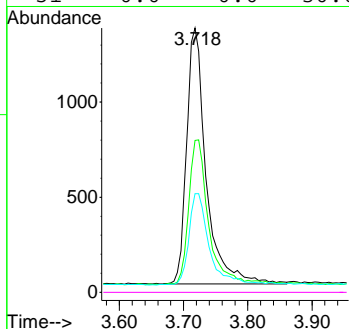
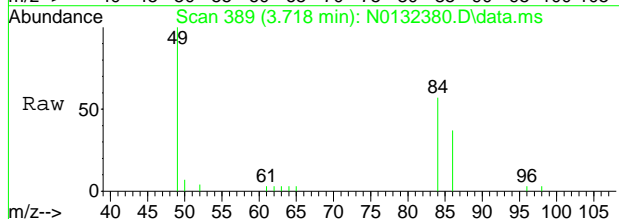
#3
 Chloromethane
 Concen: 0.30 ug/L
 RT: 1.982 min Scan# 73
 Delta R.T. 0.000 min
 Lab File: N0132380.D
 Acq: 30 Aug 2024 11:03 am

Tgt Ion	Resp	Lower	Upper
50	447		
52	28.2	2.1	62.1
49	10.7	0.0	39.6



#5
 Methylene Chloride
 Concen: 1.21 ug/L
 RT: 3.718 min Scan# 389
 Delta R.T. 0.006 min
 Lab File: N0132380.D
 Acq: 30 Aug 2024 11:03 am

Tgt Ion	Resp	Lower	Upper
49	2845		
49	100		
84	56.3	20.0	80.0
86	35.4	0.4	60.4
51	0.0	0.0	30.0



7.15
7

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\08-30-24\
 Data File : N0132381.D
 Acq On : 30 Aug 2024 11:26 am
 Operator : jeniferw
 Sample : FC18342-6
 Misc : MS57392,VN6712,,,,,
 ALS Vial : 12 Sample Multiplier: 1

Quant Time: Sep 03 10:08:19 2024
 Quant Method : C:\msdchem\1\methods\SIMCL_VN6705_082024.M
 Quant Title : Standard Methods 6200B
 QLast Update : Tue Aug 20 14:01:28 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	Qvalue
Internal Standards							
1) Fluorobenzene	6.341	96	50653	5.00	ug/L	0.00	
18) Chlorobenzene-d5	9.519	117	32324	5.00	ug/L	0.00	
System Monitoring Compounds							
13) 1,2-Dichloroethane-d4	6.049	65	23923	5.49	ug/L	0.00	
Spiked Amount	5.000	Range 74 - 125	Recovery	=	109.80%		
19) Toluene-d8	7.950	98	37518	5.26	ug/L	0.00	
Spiked Amount	5.000	Range 88 - 111	Recovery	=	105.20%		
Target Compounds							
3) Chloromethane	1.982	50	270	0.18	ug/L	99	
5) Methylene Chloride	3.718	49	2835	1.21	ug/L	92	
9) Chloroform	5.303	83	330m	0.17	ug/L		
10) Carbon Tetrachloride	5.466	117	1748	2.31	ug/L	96	

(#) = qualifier out of range (m) = manual integration (+) = signals summed

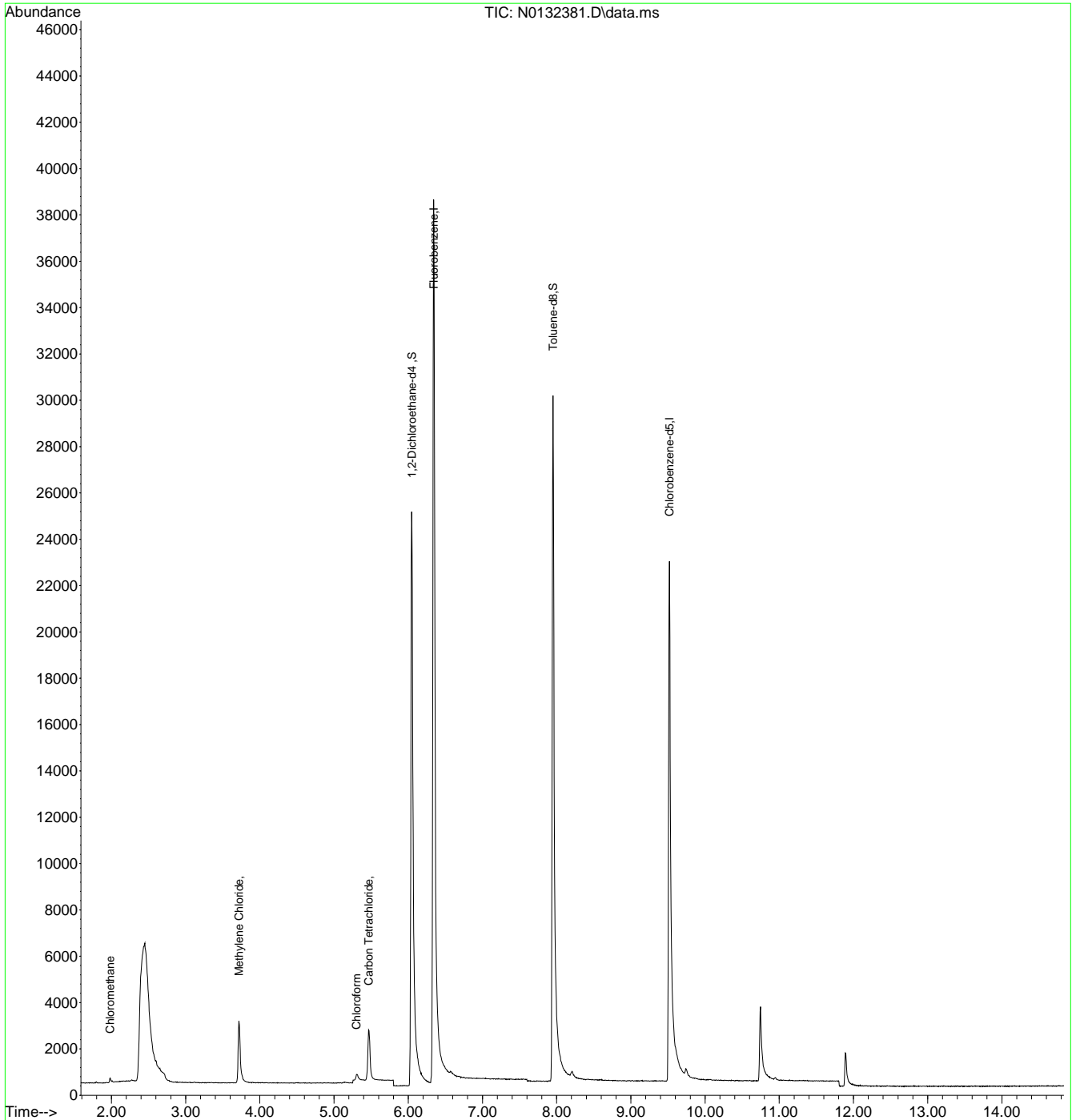
7.1.6
7

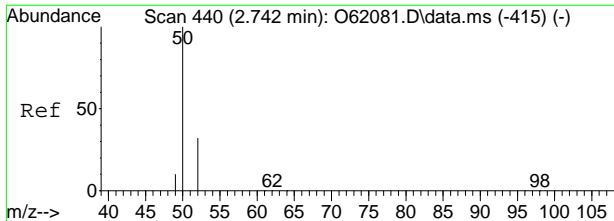


Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\08-30-24\
Data File : N0132381.D
Acq On : 30 Aug 2024 11:26 am
Operator : jeniferw
Sample : FC18342-6
Misc : MS57392,VN6712,,,,,
ALS Vial : 12 Sample Multiplier: 1

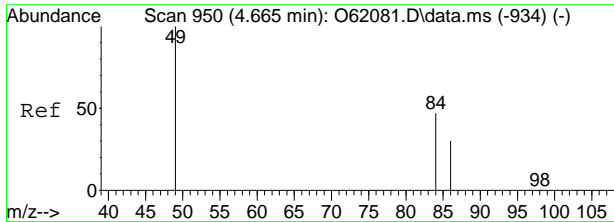
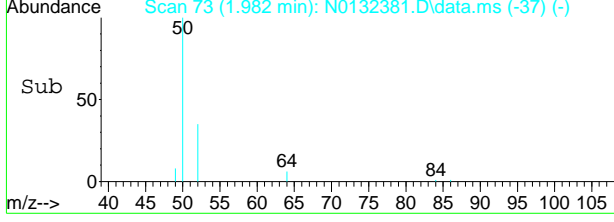
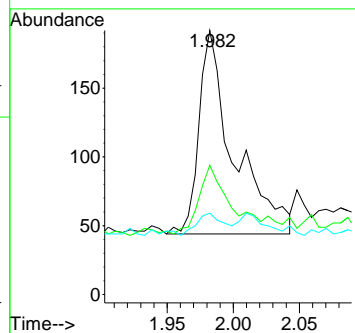
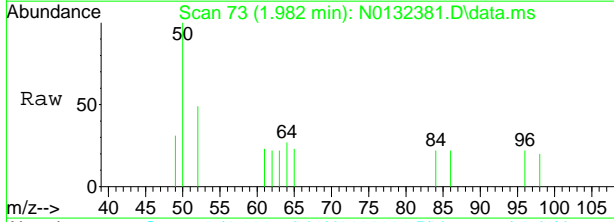
Quant Time: Sep 03 10:08:19 2024
Quant Method : C:\msdchem\1\methods\SIMCL_VN6705_082024.M
Quant Title : Standard Methods 6200B
QLast Update : Tue Aug 20 14:01:28 2024
Response via : Initial Calibration





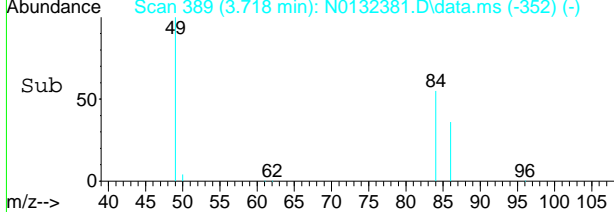
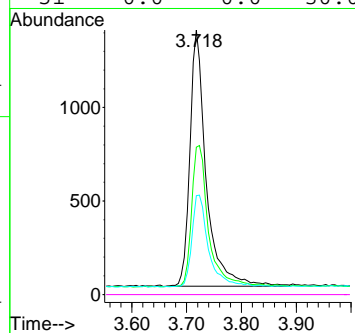
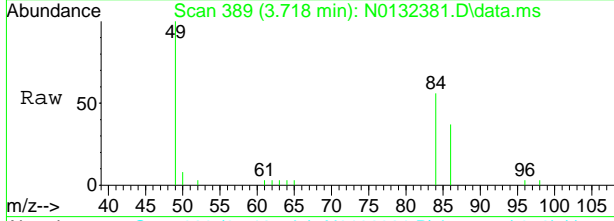
#3
 Chloromethane
 Concen: 0.18 ug/L
 RT: 1.982 min Scan# 73
 Delta R.T. 0.000 min
 Lab File: N0132381.D
 Acq: 30 Aug 2024 11:26 am

Tgt Ion	Ratio	Lower	Upper
50	100		
52	32.4	2.1	62.1
49	8.8	0.0	39.6

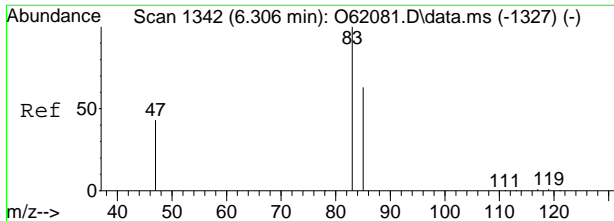


#5
 Methylene Chloride
 Concen: 1.21 ug/L
 RT: 3.718 min Scan# 389
 Delta R.T. 0.006 min
 Lab File: N0132381.D
 Acq: 30 Aug 2024 11:26 am

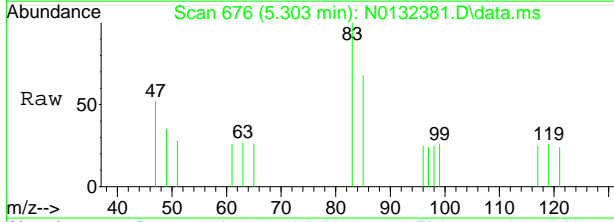
Tgt Ion	Ratio	Lower	Upper
49	100		
84	54.4	20.0	80.0
86	35.5	0.4	60.4
51	0.0	0.0	30.0



7.16
7

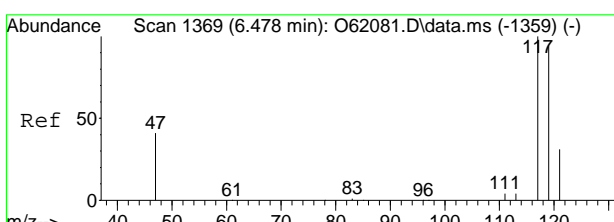
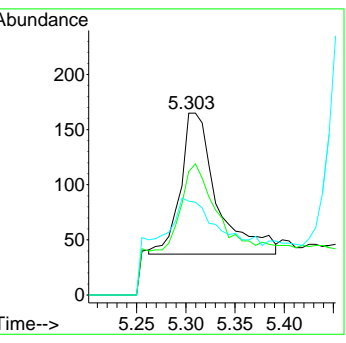
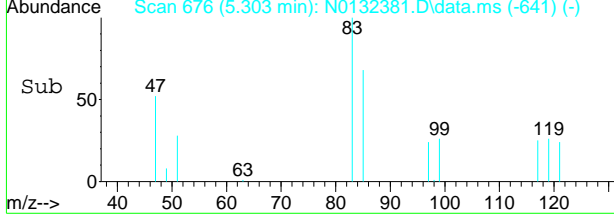


#9
 Chloroform
 Concen: 0.17 ug/L m
 RT: 5.303 min Scan# 676
 Delta R.T. 0.000 min
 Lab File: N0132381.D
 Acq: 30 Aug 2024 11:26 am

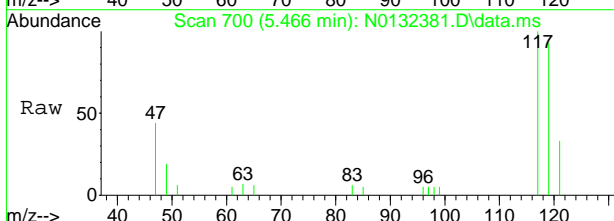


Tgt Ion: 83 Resp: 330

Ion	Ratio	Lower	Upper
83	100		
85	67.9	36.3	96.3
47	51.5	2.6	62.6

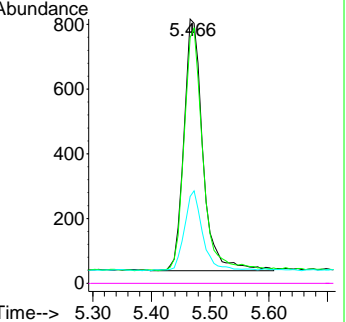
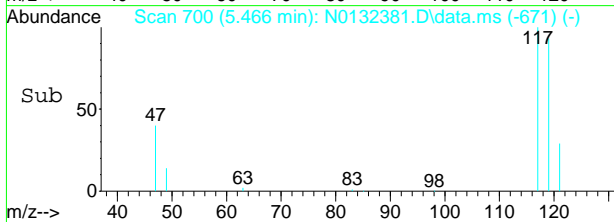


#10
 Carbon Tetrachloride
 Concen: 2.31 ug/L
 RT: 5.466 min Scan# 700
 Delta R.T. -0.000 min
 Lab File: N0132381.D
 Acq: 30 Aug 2024 11:26 am



Tgt Ion: 117 Resp: 1748

Ion	Ratio	Lower	Upper
117	100		
119	92.3	67.0	127.0
121	29.4	0.5	60.5
82	0.0	0.0	30.0



7.16
7

Manual Integration Approval Summary

Sample Number: FC18342-6 **Method:** SW846 8260D BY SIM
Lab FileID: N0132381.D **Analyst approved:** 09/03/24 10:23 Jenifer Willis
Injection Time: 08/30/24 11:26 **Supervisor approved:** 09/03/24 12:20 Karen Watson

Parameter	CAS	Sig#	R.T. (min.)	Reason
Chloroform	67-66-3		5.30	Poorly defined baseline

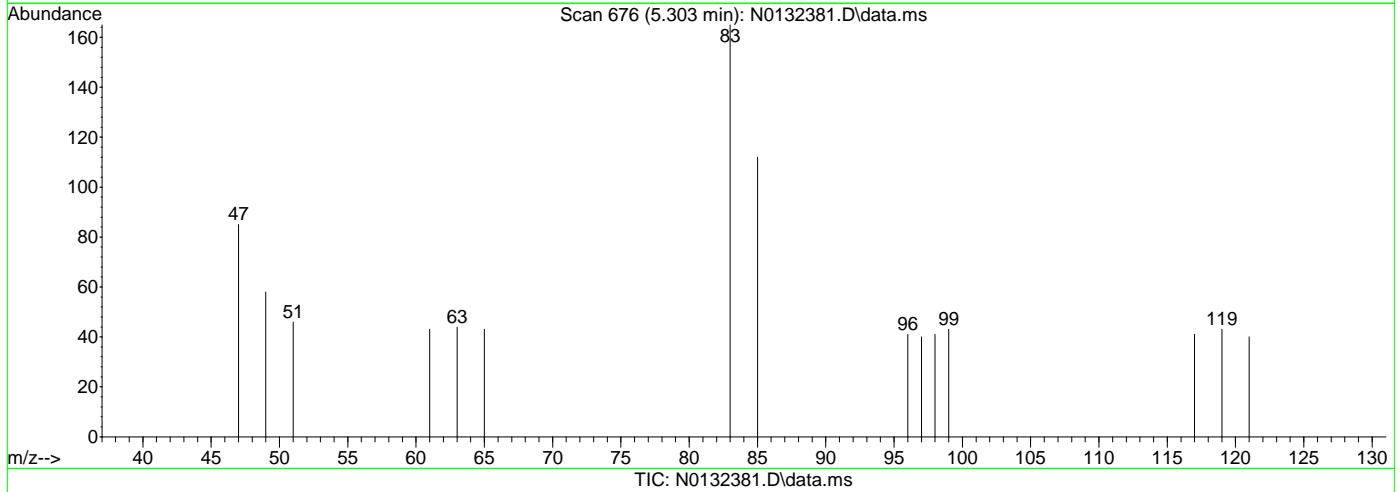
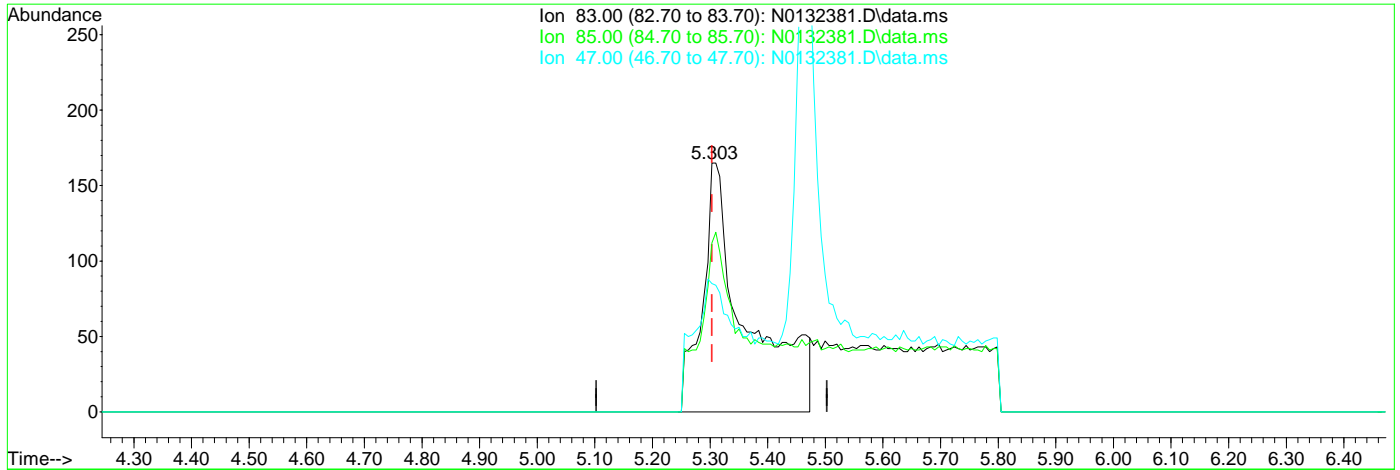
7.1.6.1

7

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\08-30-24\
 Data File : N0132381.D
 Acq On : 30 Aug 2024 11:26 am
 Operator : jeniferw
 Sample : FC18342-6
 Misc : MS57392,VN6712,,,,,
 ALS Vial : 12 Sample Multiplier: 1

Quant Time: Sep 03 05:50:56 2024
 Quant Method : C:\msdchem\1\methods\SIMCL_VN6705_082024.M
 Quant Title : Standard Methods 6200B
 QLast Update : Tue Aug 20 14:01:28 2024
 Response via : Initial Calibration



(9) Chloroform

5.303min (+0.000) 0.46ug/L

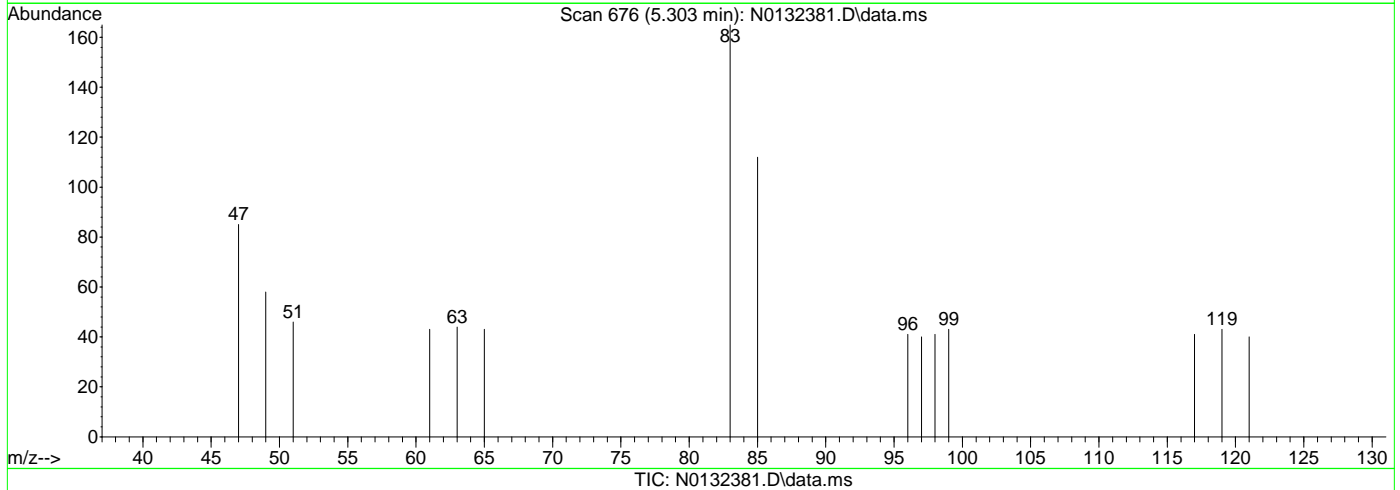
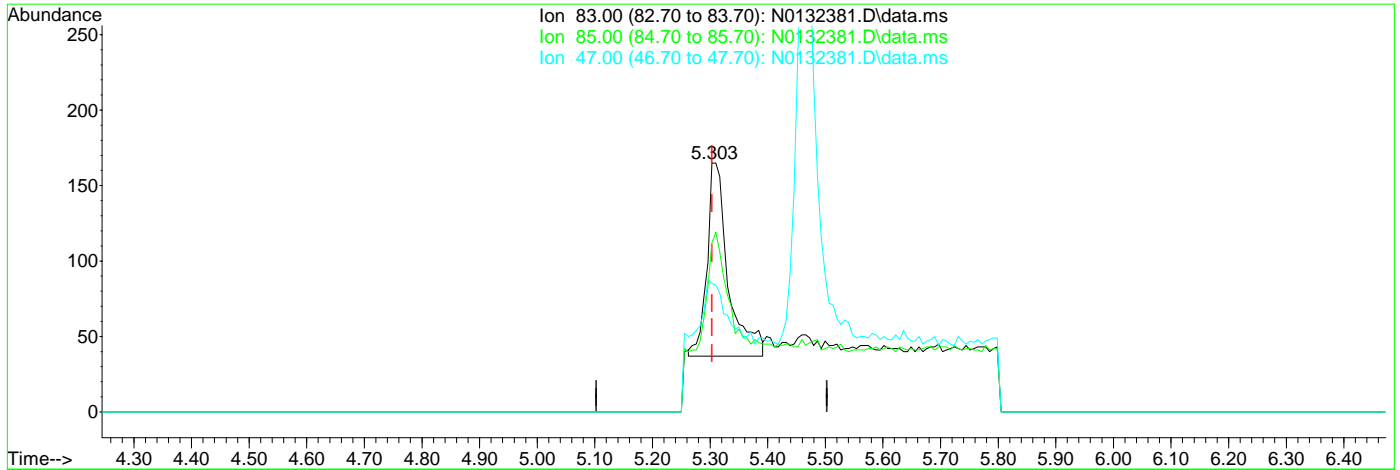
response 870

Ion	Exp%	Act%
83.00	100	100
85.00	66.30	67.88
47.00	32.60	51.52
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\08-30-24\
 Data File : N0132381.D
 Acq On : 30 Aug 2024 11:26 am
 Operator : jeniferw
 Sample : FC18342-6
 Misc : MS57392,VN6712,,,,,
 ALS Vial : 12 Sample Multiplier: 1

Quant Time: Sep 03 05:50:56 2024
 Quant Method : C:\msdchem\1\methods\SIMCL_VN6705_082024.M
 Quant Title : Standard Methods 6200B
 QLast Update : Tue Aug 20 14:01:28 2024
 Response via : Initial Calibration



(9) Chloroform

5.303min (+0.000) 0.17ug/L m

response 330

Ion	Exp%	Act%
83.00	100	100
85.00	66.30	67.88
47.00	32.60	51.52
0.00	0.00	0.00

7.1.6.3
7

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\08-30-24\
 Data File : N0132382.D
 Acq On : 30 Aug 2024 11:49 am
 Operator : jeniferw
 Sample : FC18342-7
 Misc : MS57392,VN6712,,,,,
 ALS Vial : 13 Sample Multiplier: 1

Quant Time: Sep 03 10:08:34 2024
 Quant Method : C:\msdchem\1\methods\SIMCL_VN6705_082024.M
 Quant Title : Standard Methods 6200B
 QLast Update : Tue Aug 20 14:01:28 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	Qvalue

Internal Standards							
1) Fluorobenzene	6.341	96	50987	5.00	ug/L	0.00	
18) Chlorobenzene-d5	9.519	117	32626	5.00	ug/L	0.00	
System Monitoring Compounds							
13) 1,2-Dichloroethane-d4	6.045	65	24133	5.50	ug/L	0.00	
Spiked Amount	5.000	Range 74 - 125	Recovery	=	110.00%		
19) Toluene-d8	7.951	98	37533	5.21	ug/L	0.00	
Spiked Amount	5.000	Range 88 - 111	Recovery	=	104.20%		
Target Compounds							
3) Chloromethane	1.982	50	191	0.13	ug/L	96	
5) Methylene Chloride	3.718	49	2829	1.20	ug/L	89	

(#) = qualifier out of range (m) = manual integration (+) = signals summed

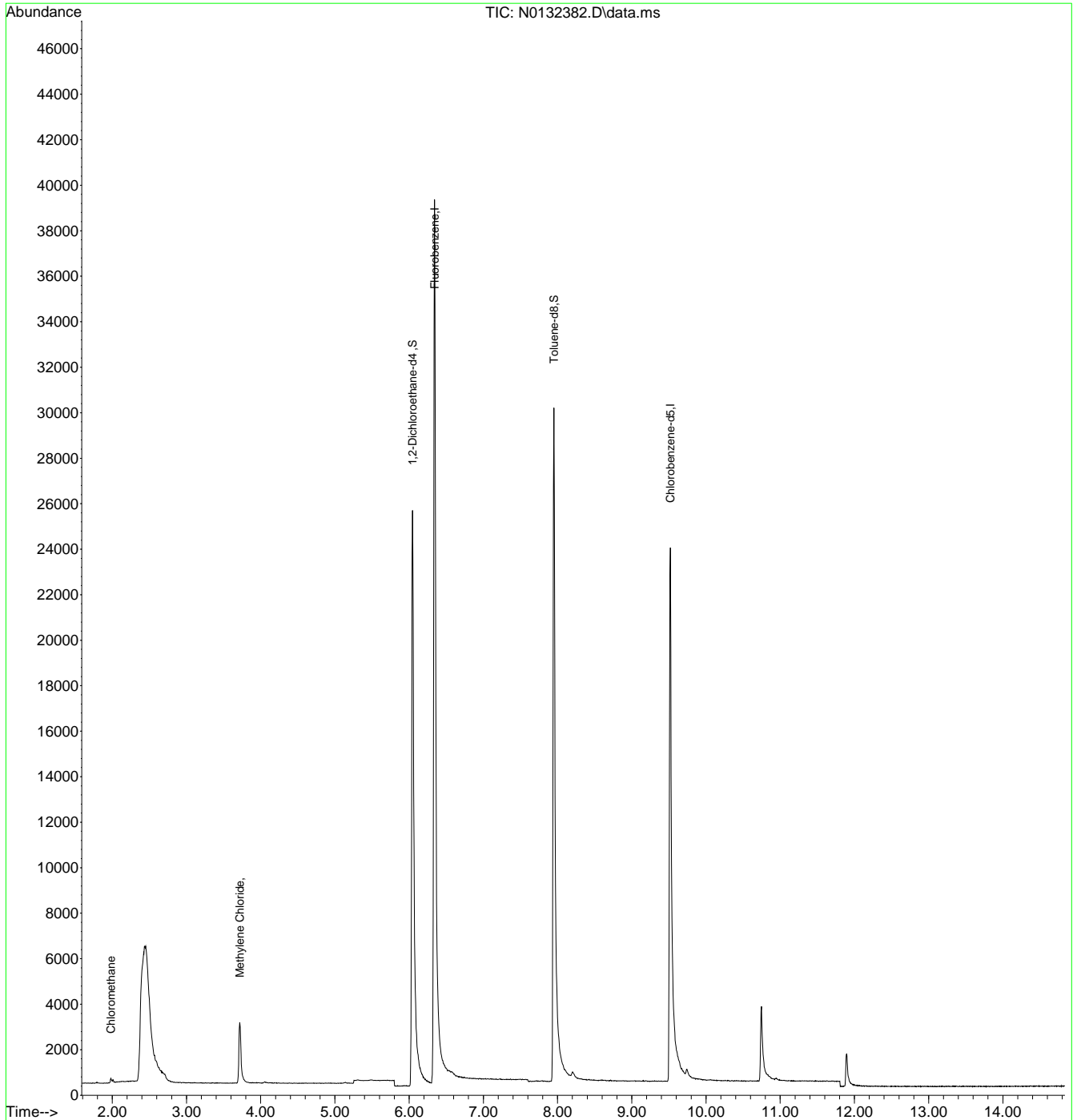
7.17
7



Quantitation Report (QT Reviewed)

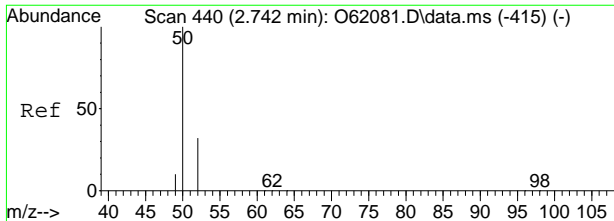
Data Path : C:\msdchem\1\data\08-30-24\
Data File : N0132382.D
Acq On : 30 Aug 2024 11:49 am
Operator : jeniferw
Sample : FC18342-7
Misc : MS57392,VN6712,,,,,
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Sep 03 10:08:34 2024
Quant Method : C:\msdchem\1\methods\SIMCL_VN6705_082024.M
Quant Title : Standard Methods 6200B
QLast Update : Tue Aug 20 14:01:28 2024
Response via : Initial Calibration



7.1.7
7

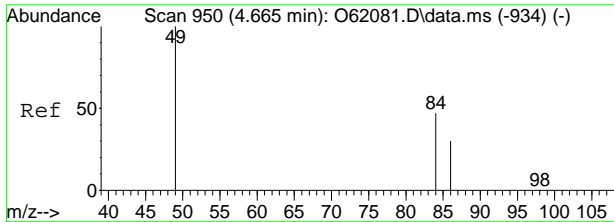
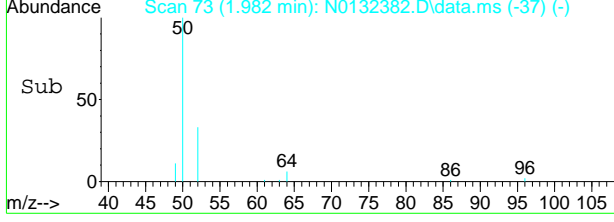
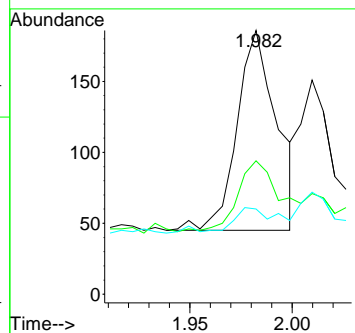
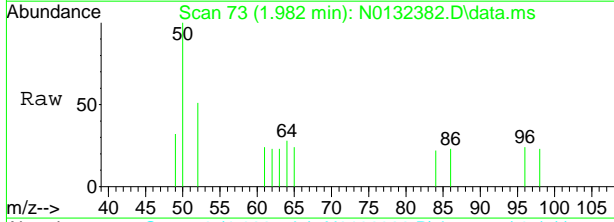




#3
 Chloromethane
 Concen: 0.13 ug/L
 RT: 1.982 min Scan# 73
 Delta R.T. 0.000 min
 Lab File: N0132382.D
 Acq: 30 Aug 2024 11:49 am

Tgt Ion: 50 Resp: 191

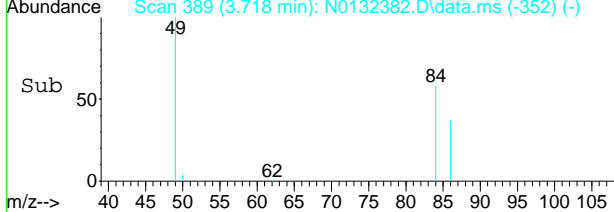
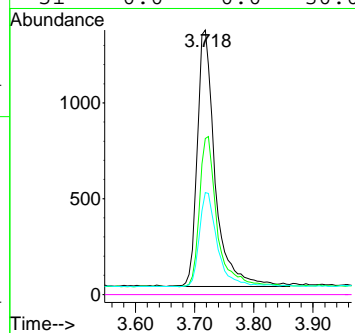
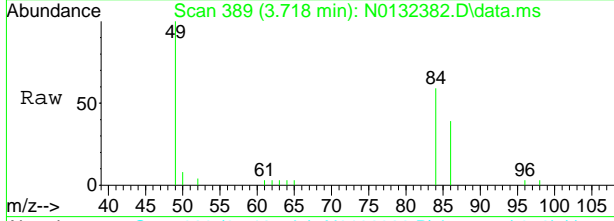
Ion	Ratio	Lower	Upper
50	100		
52	34.0	2.1	62.1
49	12.1	0.0	39.6



#5
 Methylene Chloride
 Concen: 1.20 ug/L
 RT: 3.718 min Scan# 389
 Delta R.T. 0.006 min
 Lab File: N0132382.D
 Acq: 30 Aug 2024 11:49 am

Tgt Ion: 49 Resp: 2829

Ion	Ratio	Lower	Upper
49	100		
84	57.7	20.0	80.0
86	36.7	0.4	60.4
51	0.0	0.0	30.0



7.17
7

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\08-30-24\
 Data File : N0132383.D
 Acq On : 30 Aug 2024 12:13 pm
 Operator : jeniferw
 Sample : FC18342-8
 Misc : MS57392,VN6712,,,,,
 ALS Vial : 14 Sample Multiplier: 1

Quant Time: Sep 03 10:08:52 2024
 Quant Method : C:\msdchem\1\methods\SIMCL_VN6705_082024.M
 Quant Title : Standard Methods 6200B
 QLast Update : Tue Aug 20 14:01:28 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	Qvalue

Internal Standards							
1) Fluorobenzene	6.341	96	50198	5.00	ug/L	0.00	
18) Chlorobenzene-d5	9.519	117	32053	5.00	ug/L	0.00	
System Monitoring Compounds							
13) 1,2-Dichloroethane-d4	6.045	65	23621	5.47	ug/L	0.00	
Spiked Amount	5.000	Range 74 - 125	Recovery	=	109.40%		
19) Toluene-d8	7.950	98	37048	5.24	ug/L	0.00	
Spiked Amount	5.000	Range 88 - 111	Recovery	=	104.80%		
Target Compounds							
3) Chloromethane	1.982	50	248	0.17	ug/L	94	
5) Methylene Chloride	3.718	49	2847	1.22	ug/L	92	

(#) = qualifier out of range (m) = manual integration (+) = signals summed

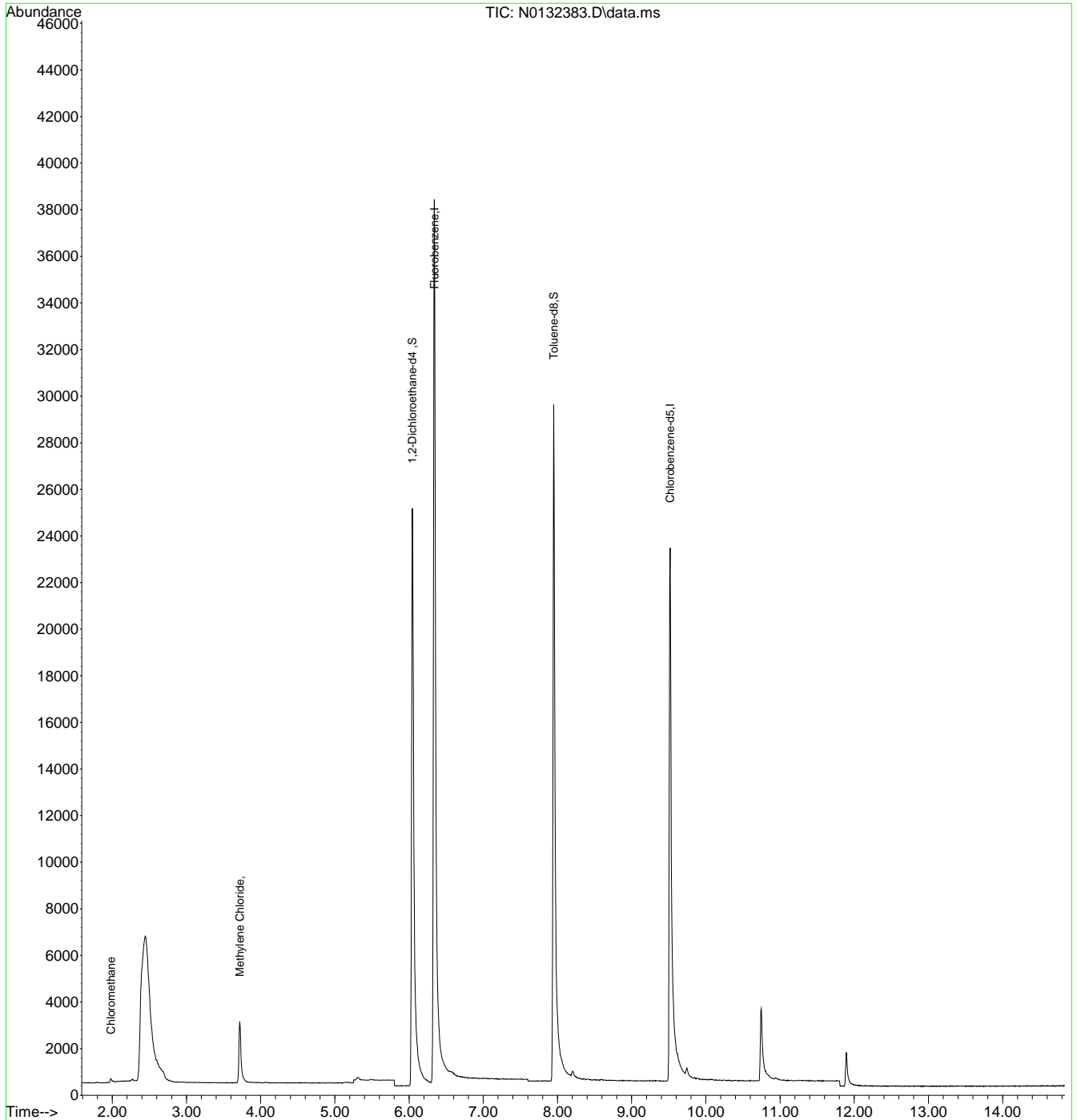
7.1.8
7



Quantitation Report (QT Reviewed)

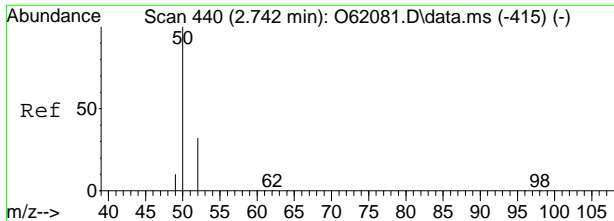
Data Path : C:\msdchem\1\data\08-30-24\
 Data File : N0132383.D
 Acq On : 30 Aug 2024 12:13 pm
 Operator : jeniferw
 Sample : FC18342-8
 Misc : MS57392,VN6712,,,,,
 ALS Vial : 14 Sample Multiplier: 1

Quant Time: Sep 03 10:08:52 2024
 Quant Method : C:\msdchem\1\methods\SIMCL_VN6705_082024.M
 Quant Title : Standard Methods 6200B
 QLast Update : Tue Aug 20 14:01:28 2024
 Response via : Initial Calibration



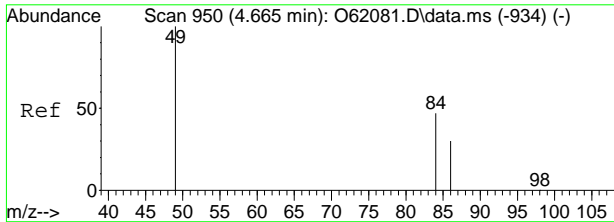
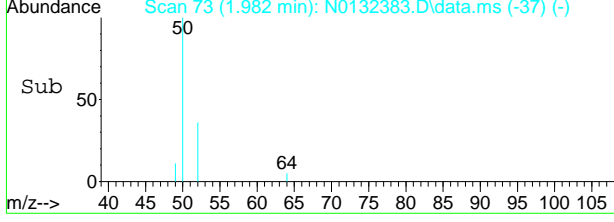
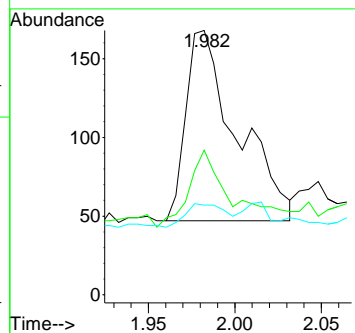
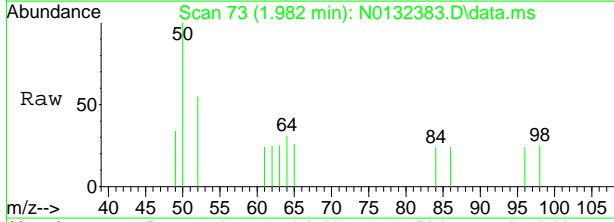
718
7





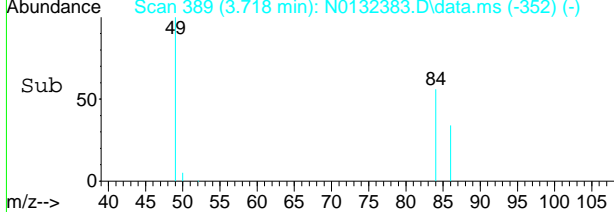
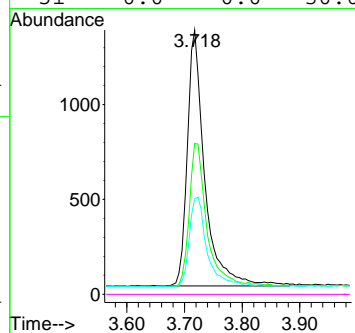
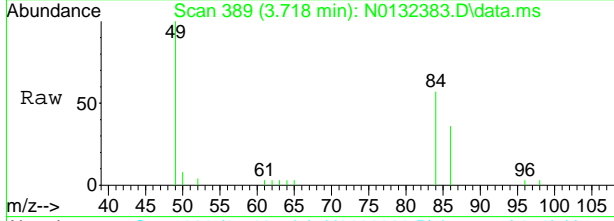
#3
 Chloromethane
 Concen: 0.17 ug/L
 RT: 1.982 min Scan# 73
 Delta R.T. 0.000 min
 Lab File: N0132383.D
 Acq: 30 Aug 2024 12:13 pm

Tgt Ion	Ratio	Lower	Upper
50	100		
52	35.5	2.1	62.1
49	11.6	0.0	39.6



#5
 Methylene Chloride
 Concen: 1.22 ug/L
 RT: 3.718 min Scan# 389
 Delta R.T. 0.006 min
 Lab File: N0132383.D
 Acq: 30 Aug 2024 12:13 pm

Tgt Ion	Ratio	Lower	Upper
49	100		
84	55.8	20.0	80.0
86	34.1	0.4	60.4
51	0.0	0.0	30.0



7.18
7

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\08-30-24\
 Data File : N0132374.D
 Acq On : 30 Aug 2024 8:33 am
 Operator : jeniferw
 Sample : MB
 Misc : MS57382,VN6712,,,,,
 ALS Vial : 5 Sample Multiplier: 1

Quant Time: Aug 30 08:51:47 2024
 Quant Method : C:\msdchem\1\methods\SIMCL_VN6705_082024.M
 Quant Title : Standard Methods 6200B
 QLast Update : Tue Aug 20 14:01:28 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Fluorobenzene	6.341	96	52090	5.00	ug/L	0.00
18) Chlorobenzene-d5	9.519	117	33088	5.00	ug/L	0.00
System Monitoring Compounds						
13) 1,2-Dichloroethane-d4	6.045	65	23530	5.25	ug/L	0.00
Spiked Amount	5.000	Range 74 - 125	Recovery	=	105.00%	
19) Toluene-d8	7.951	98	39031	5.34	ug/L	0.00
Spiked Amount	5.000	Range 88 - 111	Recovery	=	106.80%	
Target Compounds						
3) Chloromethane	1.982	50	377	0.24	ug/L	94
5) Methylene Chloride	3.718	49	3559	1.48	ug/L	91

(#) = qualifier out of range (m) = manual integration (+) = signals summed

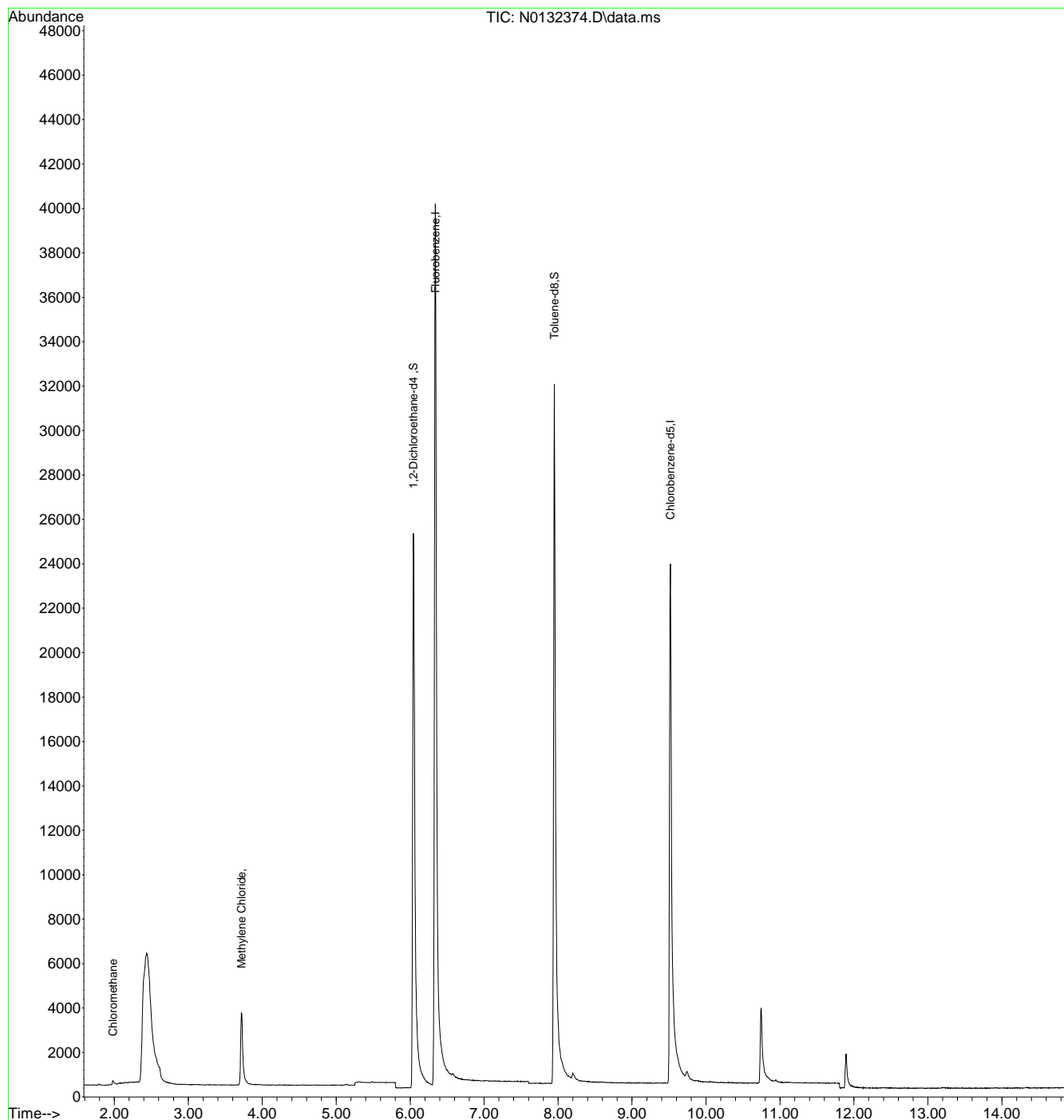
7.2.1
7



Quantitation Report (QT Reviewed)

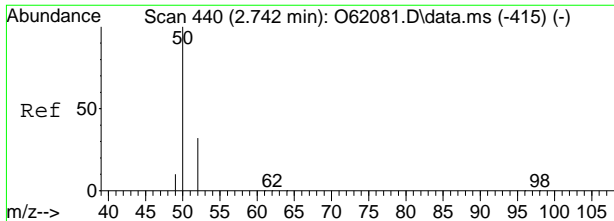
Data Path : C:\msdchem\1\data\08-30-24\
Data File : N0132374.D
Acq On : 30 Aug 2024 8:33 am
Operator : jeniferw
Sample : MB
Misc : MS57382,VN6712,,,,,
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Aug 30 08:51:47 2024
Quant Method : C:\msdchem\1\methods\SIMCL_VN6705_082024.M
Quant Title : Standard Methods 6200B
QLast Update : Tue Aug 20 14:01:28 2024
Response via : Initial Calibration



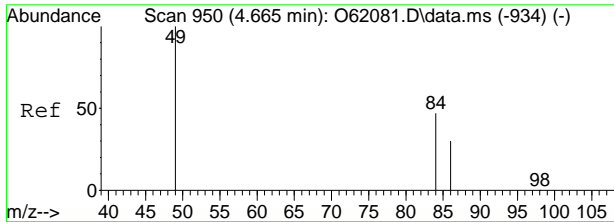
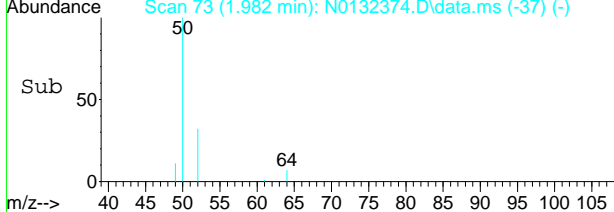
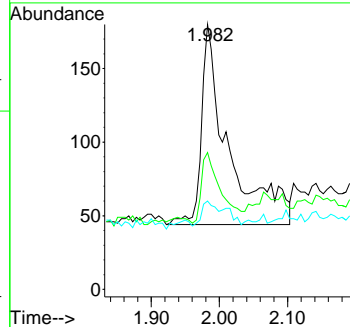
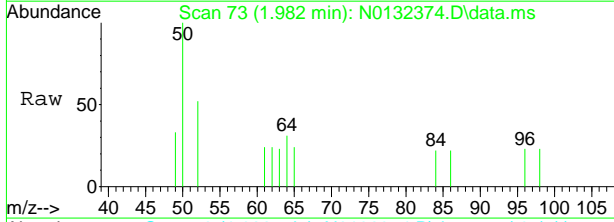
7.2.1
7





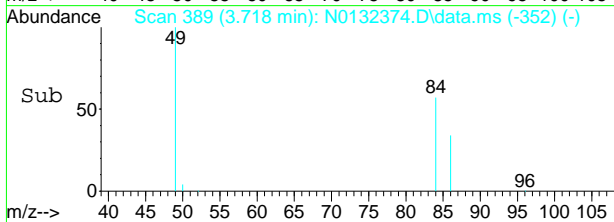
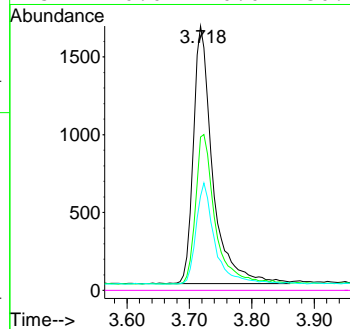
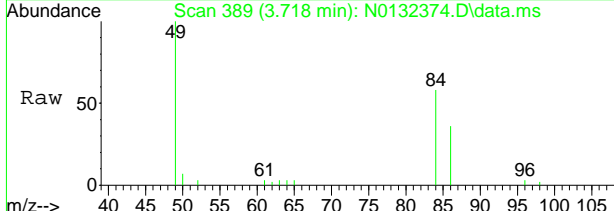
#3
 Chloromethane
 Concen: 0.24 ug/L
 RT: 1.982 min Scan# 73
 Delta R.T. 0.000 min
 Lab File: N0132374.D
 Acq: 30 Aug 2024 8:33 am

Tgt Ion	Ratio	Lower	Upper
50	100		
52	34.6	2.1	62.1
49	14.0	0.0	39.6



#5
 Methylene Chloride
 Concen: 1.48 ug/L
 RT: 3.718 min Scan# 389
 Delta R.T. 0.006 min
 Lab File: N0132374.D
 Acq: 30 Aug 2024 8:33 am

Tgt Ion	Ratio	Lower	Upper
49	100		
84	57.0	20.0	80.0
86	34.1	0.4	60.4
51	0.0	0.0	30.0



7.2.1
 7

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\08-30-24\
 Data File : N0132372.D
 Acq On : 30 Aug 2024 7:47 am
 Operator : jeniferw
 Sample : BS
 Misc : MS57382,VN6712,,,,,
 ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 30 08:04:14 2024
 Quant Method : C:\msdchem\1\methods\SIMCL_VN6705_082024.M
 Quant Title : Standard Methods 6200B
 QLast Update : Tue Aug 20 14:01:28 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	

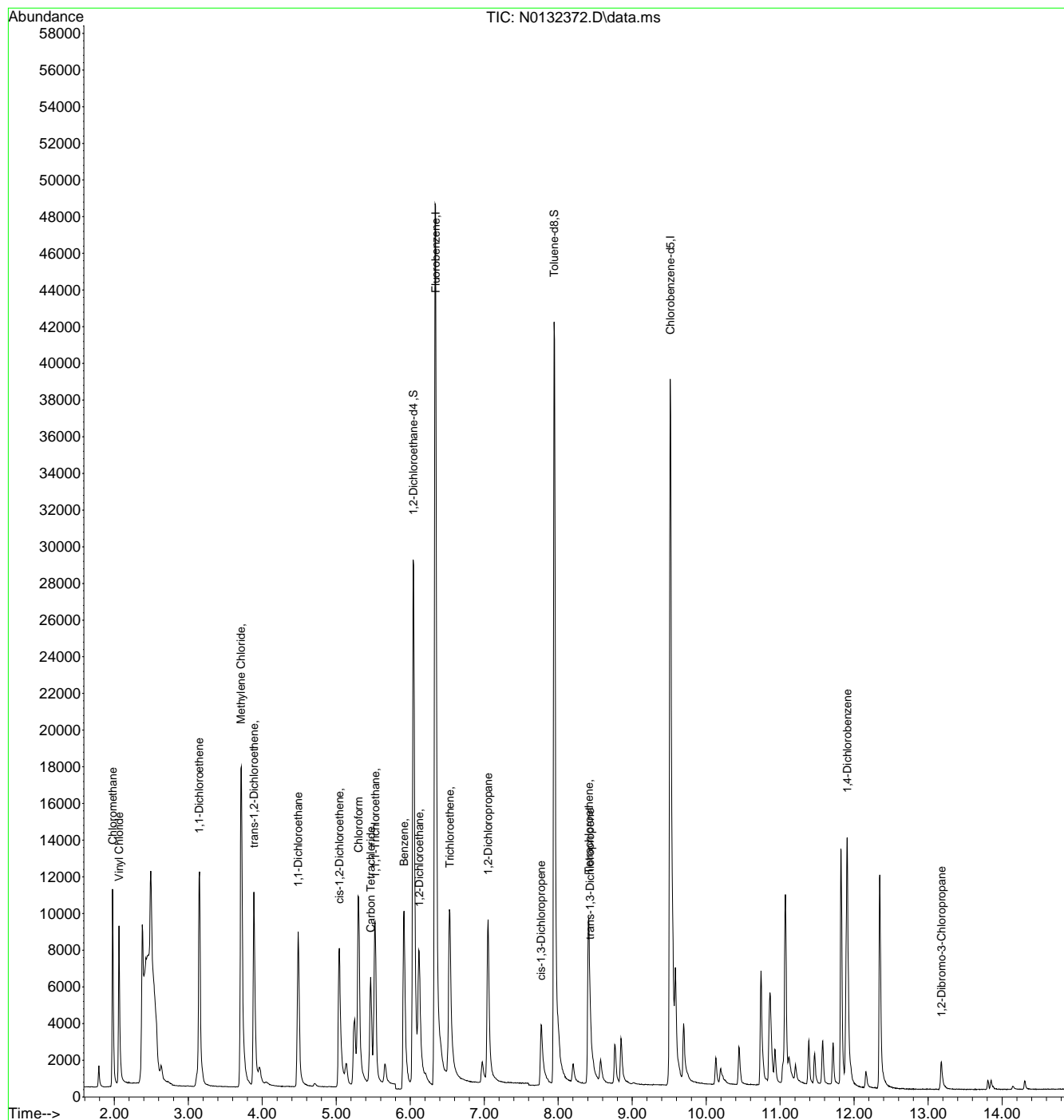
Internal Standards							
1) Fluorobenzene	6.341	96	63875	5.00	ug/L	0.00	
18) Chlorobenzene-d5	9.514	117	41118	5.00	ug/L	0.00	
System Monitoring Compounds							
13) 1,2-Dichloroethane-d4	6.041	65	26858	4.89	ug/L	0.00	
Spiked Amount	5.000	Range 74 - 125	Recovery	=	97.80%		
19) Toluene-d8	7.945	98	48106	5.30	ug/L	0.00	
Spiked Amount	5.000	Range 88 - 111	Recovery	=	106.00%		
Target Compounds							
							Qvalue
2) Vinyl Chloride	2.065	62	7976	5.64	ug/L		95
3) Chloromethane	1.977	50	9629	5.10	ug/L		99
4) 1,1-Dichloroethene	3.147	61	8759	4.66	ug/L		97
5) Methylene Chloride	3.712	49	18514	6.91	ug/L		95
6) trans-1,2-Dichloroethene	3.888	61	8254	5.26	ug/L		88
7) 1,1-Dichloroethane	4.487	63	10915	5.18	ug/L		98
8) cis-1,2-Dichloroethene	5.041	96	5127	5.57	ug/L		97
9) Chloroform	5.303	83	11322	5.01	ug/L		98
10) Carbon Tetrachloride	5.466	117	4288	4.49	ug/L		99
11) 1,1,1-Trichloroethane	5.527	97	6713	4.94	ug/L		98
12) Benzene	5.915	78	17870	5.24	ug/L		99
14) 1,2-Dichloroethane	6.121	62	8779	5.45	ug/L		99
15) Trichloroethene	6.537	95	4793	4.99	ug/L		97
16) 1,2-Dichloropropane	7.052	63	5718	5.31	ug/L		98
17) cis-1,3-Dichloropropene	7.769	75	4435	5.20	ug/L		99
20) trans-1,3-Dichloropropene	8.429	75	3791	5.15	ug/L		90
21) Tetrachloroethene	8.413	166	5026	5.43	ug/L #		98
22) 1,4-Dichlorobenzene	11.906	146	11230	5.34	ug/L		96
23) 1,2-Dibromo-3-Chloropr...	13.179	75	847	4.92	ug/L		96

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\08-30-24\
 Data File : N0132372.D
 Acq On : 30 Aug 2024 7:47 am
 Operator : jeniferw
 Sample : BS
 Misc : MS57382,VN6712,,,,,
 ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 30 08:04:14 2024
 Quant Method : C:\msdchem\1\methods\SIMCL_VN6705_082024.M
 Quant Title : Standard Methods 6200B
 QLast Update : Tue Aug 20 14:01:28 2024
 Response via : Initial Calibration



7.3.1
7



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\08-30-24\
 Data File : N0132395.D
 Acq On : 30 Aug 2024 4:53 pm
 Operator : jeniferw
 Sample : FC18198-6MS
 Misc : MS57392,VN6712,,,,,
 ALS Vial : 26 Sample Multiplier: 1

Quant Time: Sep 03 05:51:24 2024
 Quant Method : C:\msdchem\1\methods\SIMCL_VN6705_082024.M
 Quant Title : Standard Methods 6200B
 QLast Update : Tue Aug 20 14:01:28 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	

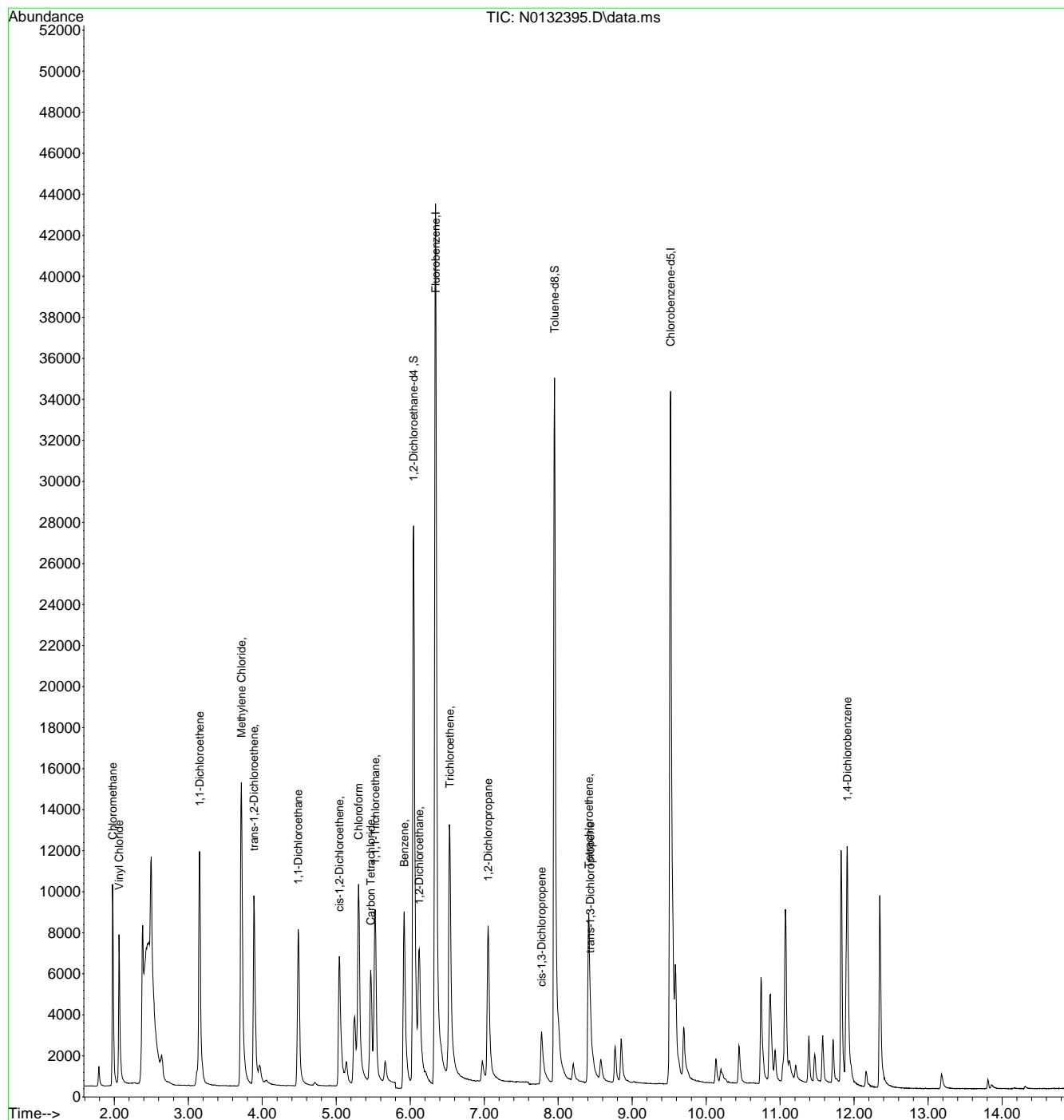
Internal Standards							
1) Fluorobenzene	6.341	96	55485	5.00	ug/L	0.00	
18) Chlorobenzene-d5	9.519	117	41165	5.00	ug/L	0.00	
System Monitoring Compounds							
13) 1,2-Dichloroethane-d4	6.045	65	25407	5.32	ug/L	0.00	
Spiked Amount	5.000	Range 74 - 125	Recovery	=	106.40%		
19) Toluene-d8	7.951	98	41043	4.52	ug/L	0.00	
Spiked Amount	5.000	Range 88 - 111	Recovery	=	90.40%		
Target Compounds							
							Qvalue
2) Vinyl Chloride	2.065	62	6723	5.48	ug/L		98
3) Chloromethane	1.977	50	8921	5.44	ug/L		98
4) 1,1-Dichloroethene	3.152	61	8513	5.21	ug/L		92
5) Methylene Chloride	3.718	49	15407	6.58	ug/L		88
6) trans-1,2-Dichloroethene	3.888	61	7369	5.41	ug/L		94
7) 1,1-Dichloroethane	4.487	63	10117	5.53	ug/L		100
8) cis-1,2-Dichloroethene	5.041	96	4238	5.30	ug/L		95
9) Chloroform	5.303	83	10525	5.39	ug/L		98
10) Carbon Tetrachloride	5.466	117	4102	4.94	ug/L		99
11) 1,1,1-Trichloroethane	5.527	97	6377	5.40	ug/L		97
12) Benzene	5.919	78	15945	5.38	ug/L		99
14) 1,2-Dichloroethane	6.121	62	7940	5.67	ug/L		99
15) Trichloroethene	6.537	95	6174	7.40	ug/L		96
16) 1,2-Dichloropropane	7.052	63	5044	5.39	ug/L		99
17) cis-1,3-Dichloropropene	7.774	75	3533	4.77	ug/L		100
20) trans-1,3-Dichloropropene	8.435	75	3110	4.30	ug/L		92
21) Tetrachloroethene	8.413	166	4641	5.01	ug/L #		97
22) 1,4-Dichlorobenzene	11.906	146	9773	4.64	ug/L		95

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\08-30-24\
 Data File : N0132395.D
 Acq On : 30 Aug 2024 4:53 pm
 Operator : jeniferw
 Sample : FC18198-6MS
 Misc : MS57392,VN6712,,,,,
 ALS Vial : 26 Sample Multiplier: 1

Quant Time: Sep 03 05:51:24 2024
 Quant Method : C:\msdchem\1\methods\SIMCL_VN6705_082024.M
 Quant Title : Standard Methods 6200B
 QLast Update : Tue Aug 20 14:01:28 2024
 Response via : Initial Calibration



7.4.1
7



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\08-30-24\
 Data File : N0132396.D
 Acq On : 30 Aug 2024 5:16 pm
 Operator : jeniferw
 Sample : FC18198-6MSD
 Misc : MS57392,VN6712,,,,,
 ALS Vial : 27 Sample Multiplier: 1

Quant Time: Sep 03 05:51:26 2024
 Quant Method : C:\msdchem\1\methods\SIMCL_VN6705_082024.M
 Quant Title : Standard Methods 6200B
 QLast Update : Tue Aug 20 14:01:28 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	

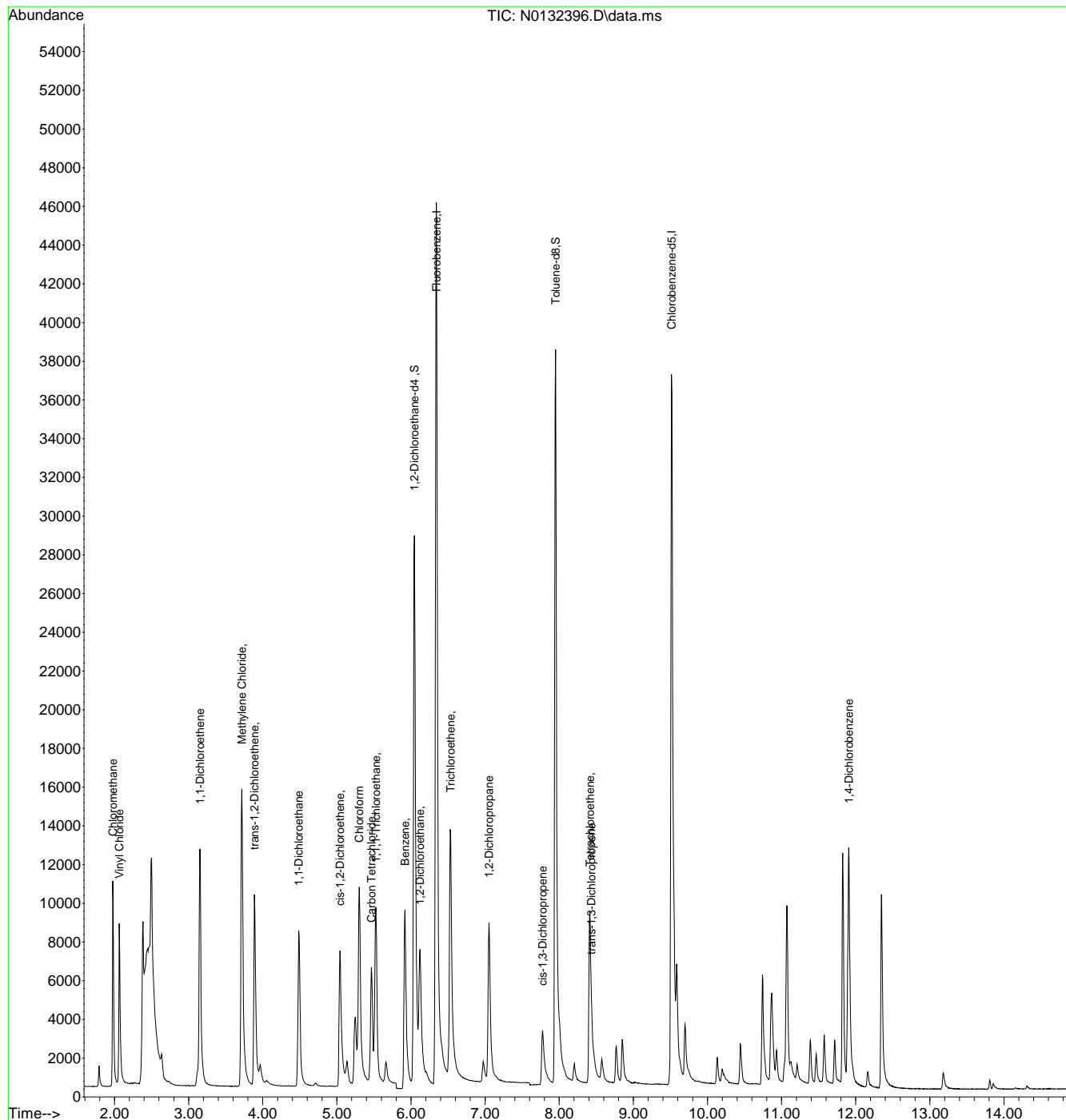
Internal Standards							
1) Fluorobenzene	6.341	96	58662	5.00	ug/L	0.00	
18) Chlorobenzene-d5	9.514	117	39184	5.00	ug/L	0.00	
System Monitoring Compounds							
13) 1,2-Dichloroethane-d4	6.045	65	26666	5.28	ug/L	0.00	
Spiked Amount	5.000	Range 74 - 125	Recovery	=	105.60%		
19) Toluene-d8	7.951	98	44407	5.13	ug/L	0.00	
Spiked Amount	5.000	Range 88 - 111	Recovery	=	102.60%		
Target Compounds							
							Qvalue
2) Vinyl Chloride	2.065	62	7623	5.87	ug/L		97
3) Chloromethane	1.977	50	9708	5.60	ug/L		98
4) 1,1-Dichloroethene	3.152	61	9021	5.23	ug/L		93
5) Methylene Chloride	3.718	49	15841	6.37	ug/L		87
6) trans-1,2-Dichloroethene	3.888	61	7940	5.51	ug/L		96
7) 1,1-Dichloroethane	4.487	63	10699	5.53	ug/L		99
8) cis-1,2-Dichloroethene	5.041	96	4627	5.48	ug/L		96
9) Chloroform	5.303	83	11094	5.37	ug/L		99
10) Carbon Tetrachloride	5.466	117	4390	5.00	ug/L		97
11) 1,1,1-Trichloroethane	5.527	97	6888	5.52	ug/L		99
12) Benzene	5.919	78	17023	5.43	ug/L		98
14) 1,2-Dichloroethane	6.120	62	8443	5.70	ug/L		99
15) Trichloroethene	6.537	95	6566	7.44	ug/L		97
16) 1,2-Dichloropropane	7.052	63	5359	5.42	ug/L		98
17) cis-1,3-Dichloropropene	7.774	75	3951	5.05	ug/L		96
20) trans-1,3-Dichloropropene	8.435	75	3428	4.91	ug/L		96
21) Tetrachloroethene	8.413	166	5085	5.76	ug/L #		99
22) 1,4-Dichlorobenzene	11.906	146	10174	5.08	ug/L		96

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\08-30-24\
 Data File : N0132396.D
 Acq On : 30 Aug 2024 5:16 pm
 Operator : jeniferw
 Sample : FC18198-6MSD
 Misc : MS57392,VN6712,,,,,
 ALS Vial : 27 Sample Multiplier: 1

Quant Time: Sep 03 05:51:26 2024
 Quant Method : C:\msdchem\1\methods\SIMCL_VN6705_082024.M
 Quant Title : Standard Methods 6200B
 QLast Update : Tue Aug 20 14:01:28 2024
 Response via : Initial Calibration



7.4.2
7



Methods: SW-846 8260B

Data File : C:\msdchem\1\data\08-20-24\N0132197.D

Vial: 1

Acq On : 20 Aug 2024 9:04 am

Operator: jeniferw

Sample : BFB

Inst : MSVOA6-N

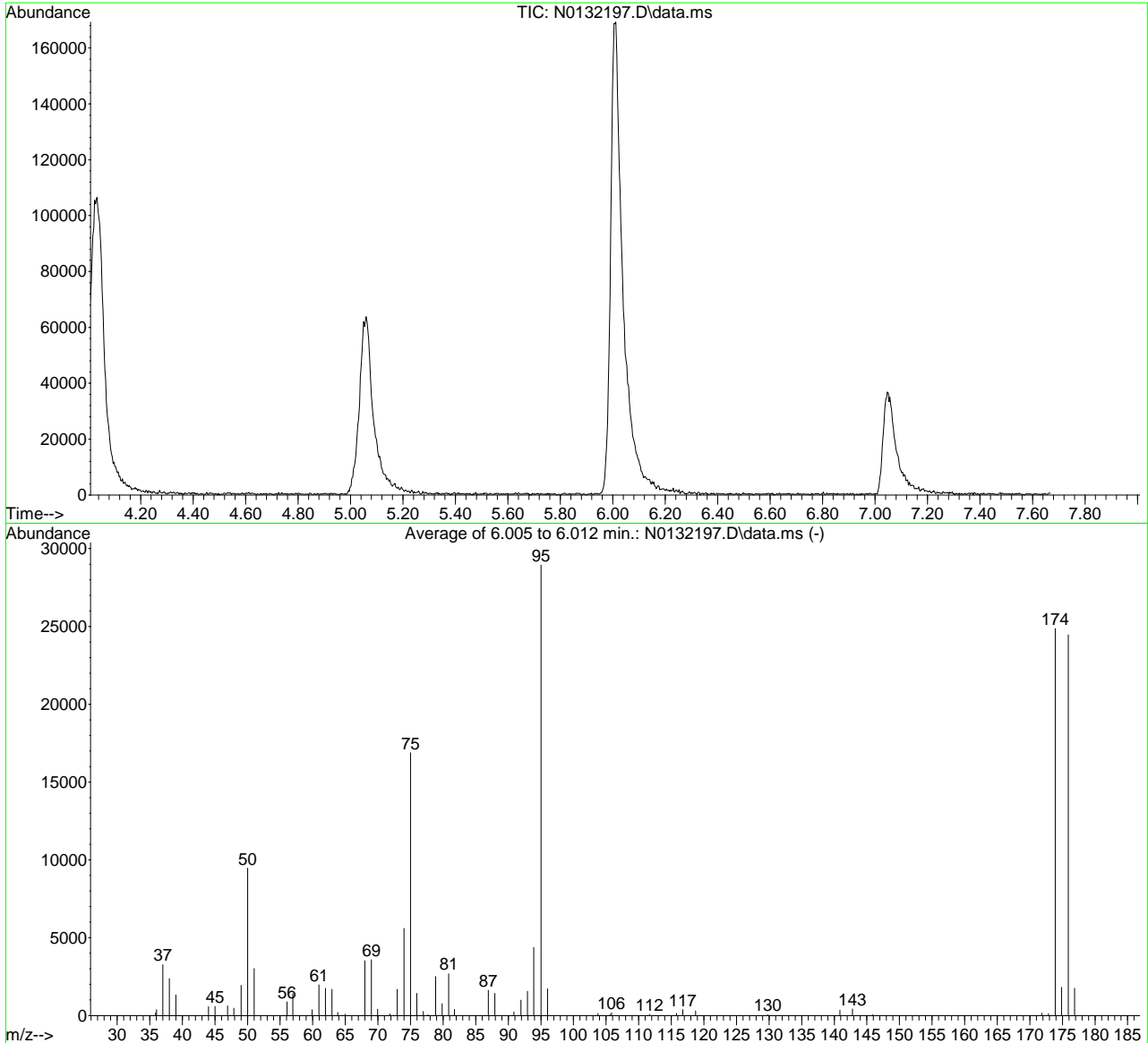
Misc : MS57274,VN6705,,,,,

Multiplr: 1.00

MS Integration Params: rteint.p

Method : C:\msdchem\1\met..._VN6705_082024.M (RTE Integrator)

Title : Standard Methods 6200B



AutoFind: Scans 721, 722, 723; Background Corrected with Scan 702

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
95	95	100	100	100.0	28939	PASS
96	95	5	9	5.9	1718	PASS
173	174	0.00	2	0.5	120	PASS
174	95	50	200	85.9	24867	PASS
175	174	5	9	7.3	1811	PASS
176	174	95	105	98.4	24459	PASS
177	176	5	10	7.1	1743	PASS

Methods: SW-846 8260B

Data File : C:\msdchem\1\data\08-30-24\N0132370.D

Vial: 1

Acq On : 30 Aug 2024 6:56 am

Operator: jeniferw

Sample : BFB

Inst : MSVOA6-N

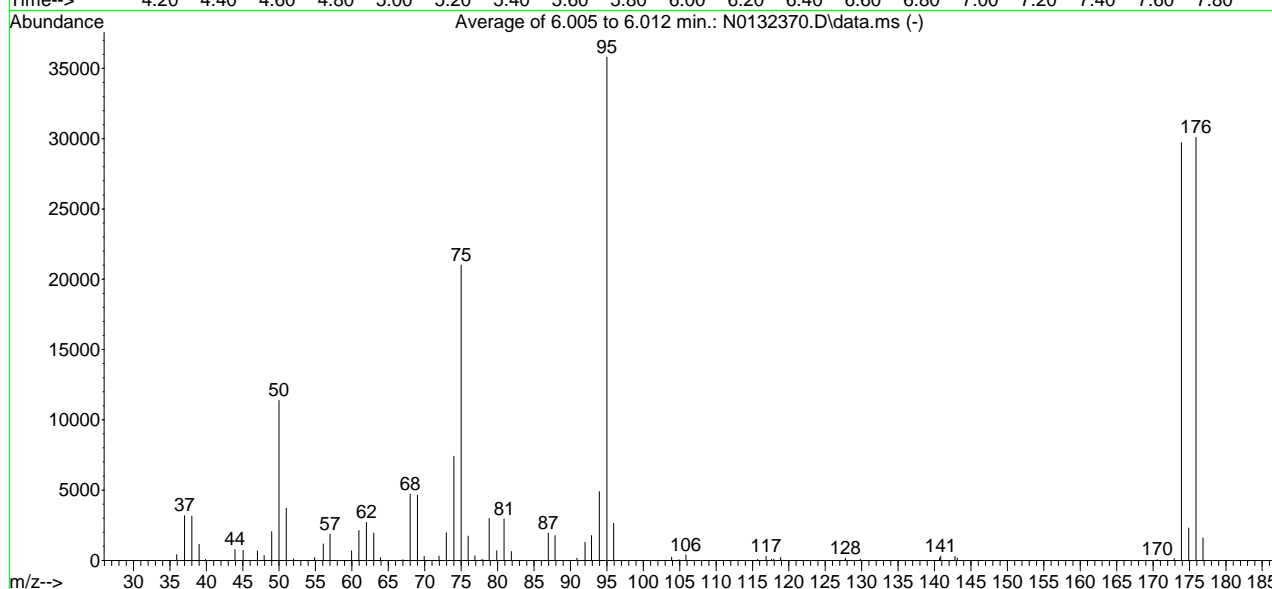
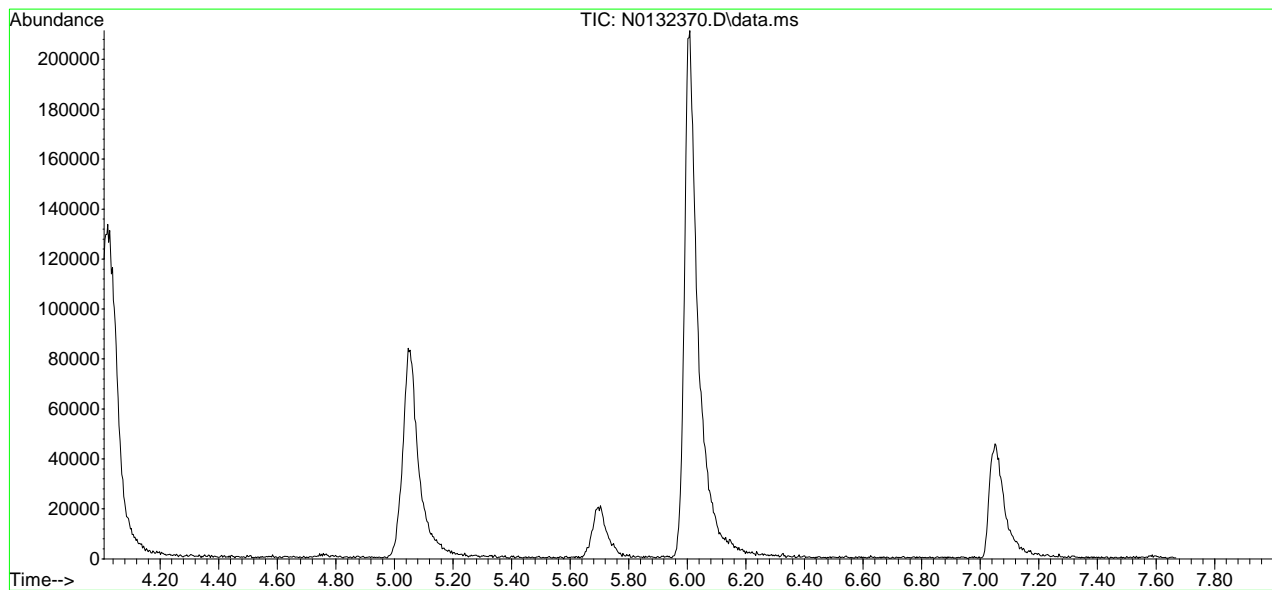
Misc : MS57382,VN6712,,,,,

Multiplr: 1.00

MS Integration Params: rteint.p

Method : C:\msdchem\1\met..._VN6705_082024.M (RTE Integrator)

Title : Standard Methods 6200B



AutoFind: Scans 721, 722, 723; Background Corrected with Scan 701

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
95	95	100	100	100.0	35797	PASS
96	95	5	9	7.4	2648	PASS
173	174	0.00	2	0.5	134	PASS
174	95	50	200	83.0	29725	PASS
175	174	5	9	7.8	2310	PASS
176	174	95	105	101.2	30096	PASS
177	176	5	10	5.3	1610	PASS

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\08-20-24\
 Data File : N0132200.D
 Acq On : 20 Aug 2024 10:17 am
 Operator : jeniferw
 Sample : IC6705-3
 Misc : MS57318,VN6705,,,,,
 ALS Vial : 4 Sample Multiplier: 1

Quant Time: Aug 20 11:00:35 2024
 Quant Method : C:\msdchem\1\methods\SIMCL_VN6705_082024.M
 Quant Title : Standard Methods 6200B
 QLast Update : Wed May 22 11:09:52 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Fluorobenzene	6.341	96	46182	5.00	ug/L	0.00
18) Chlorobenzene-d5	9.519	117	30522	5.00	ug/L	0.00
System Monitoring Compounds						
13) 1,2-Dichloroethane-d4	6.045	65	21421	6.43	ug/L	0.00
Spiked Amount	5.000	Range 74 - 125	Recovery	=	128.60%#	
19) Toluene-d8	7.951	98	33133	5.47	ug/L	0.00
Spiked Amount	5.000	Range 88 - 111	Recovery	=	109.40%	
Target Compounds						
						Qvalue
2) Vinyl Chloride	2.065	62	2279	1.70	ug/L	96
3) Chloromethane	1.982	50	3557	2.28	ug/L	99
4) 1,1-Dichloroethene	3.152	61	2696	1.52	ug/L	89
5) Methylene Chloride	3.718	49	5181	2.31	ug/L	81
6) trans-1,2-Dichloroethene	3.888	61	2171	1.34	ug/L	83
7) 1,1-Dichloroethane	4.492	63	3108	1.41	ug/L	98
8) cis-1,2-Dichloroethene	5.047	96	1281	1.02	ug/L #	79
9) Chloroform	5.303	83	3640	1.37	ug/L	92
10) Carbon Tetrachloride	5.473	117	1305	1.04	ug/L	97
11) 1,1,1-Trichloroethane	5.527	97	1917	1.00	ug/L	89
12) Benzene	5.923	78	4760	1.25	ug/L	93
14) 1,2-Dichloroethane	6.125	62	2409	1.35	ug/L	90
15) Trichloroethene	6.543	95	1301	1.02	ug/L	93
16) 1,2-Dichloropropane	7.052	63	1534	1.40	ug/L	91
17) cis-1,3-Dichloropropene	7.785	75	1038	0.98	ug/L	86
20) trans-1,3-Dichloropropene	8.462	75	856	0.86	ug/L #	71
21) Tetrachloroethene	8.418	166	1339	0.95	ug/L #	96
22) 1,4-Dichlorobenzene	11.909	146	2846	1.00	ug/L #	73
23) 1,2-Dibromo-3-Chloropr...	13.189	75	271m	1.09	ug/L	

(#) = qualifier out of range (m) = manual integration (+) = signals summed

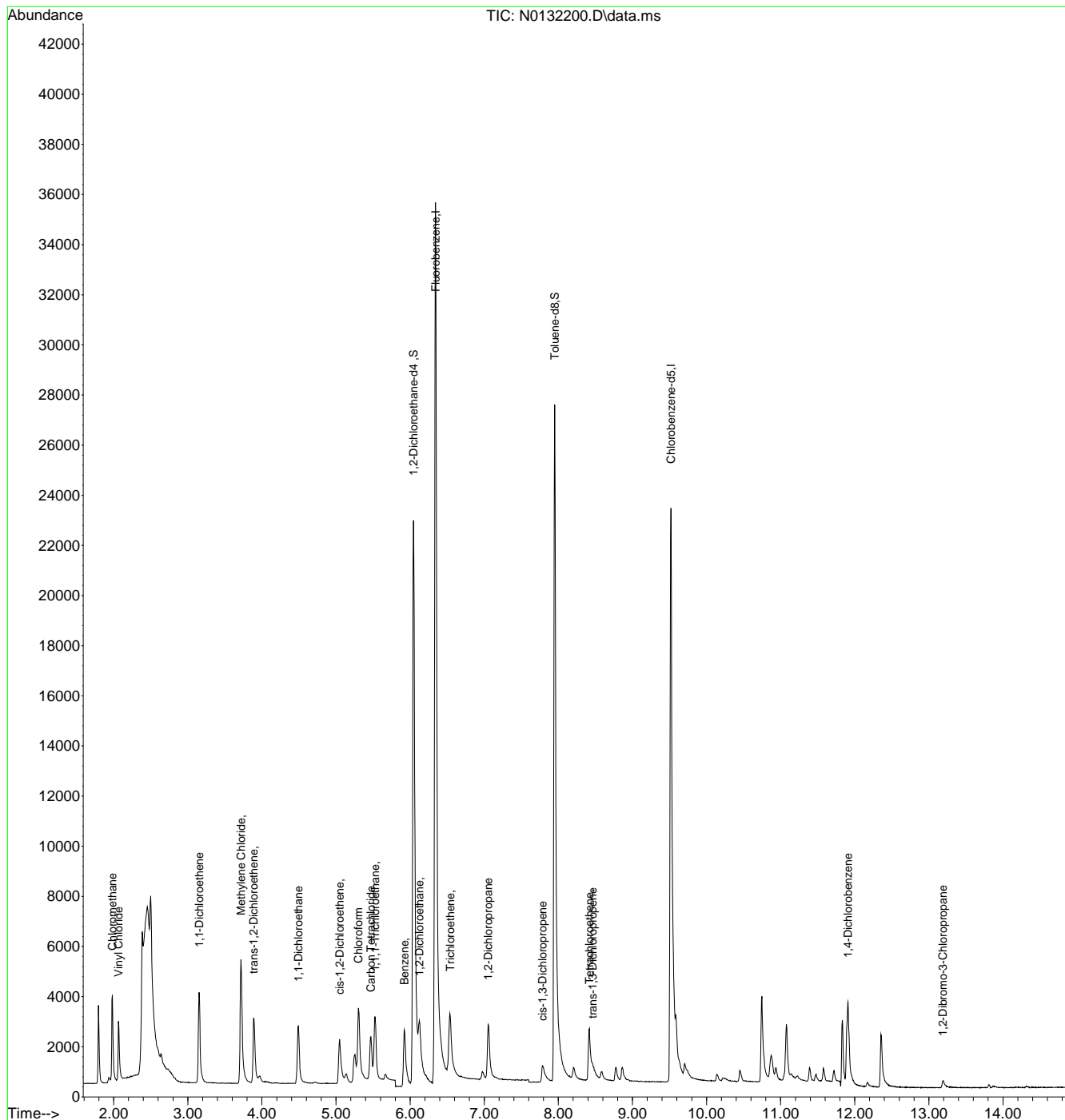
7.6.1
7



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\08-20-24\
 Data File : N0132200.D
 Acq On : 20 Aug 2024 10:17 am
 Operator : jeniferw
 Sample : IC6705-3
 Misc : MS57318,VN6705,,,,,
 ALS Vial : 4 Sample Multiplier: 1

Quant Time: Aug 20 11:00:35 2024
 Quant Method : C:\msdchem\1\methods\SIMCL_VN6705_082024.M
 Quant Title : Standard Methods 6200B
 QLast Update : Wed May 22 11:09:52 2024
 Response via : Initial Calibration

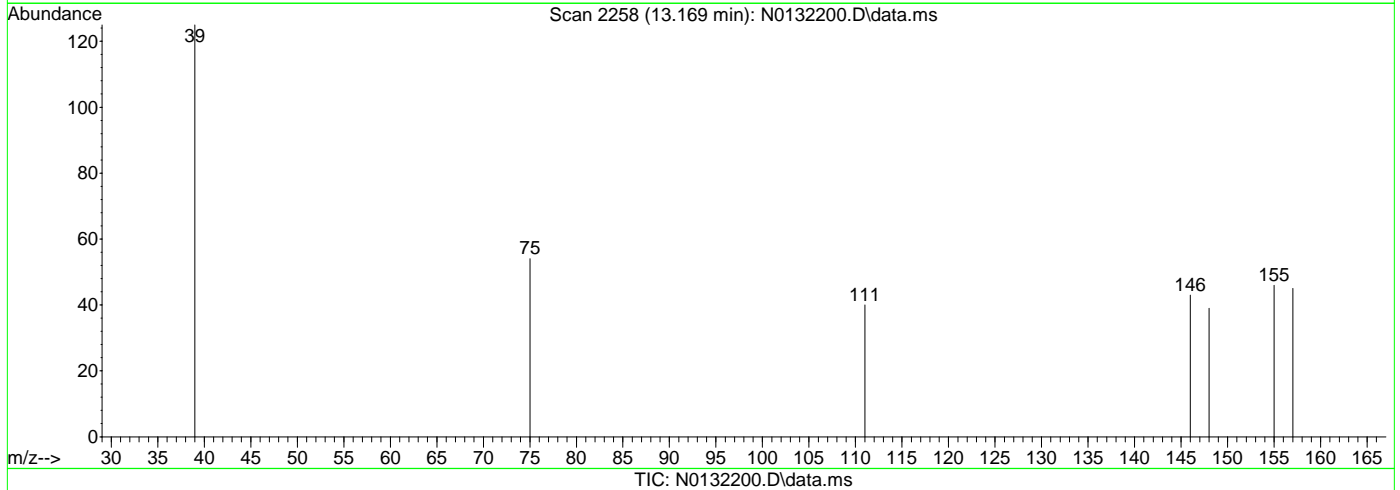
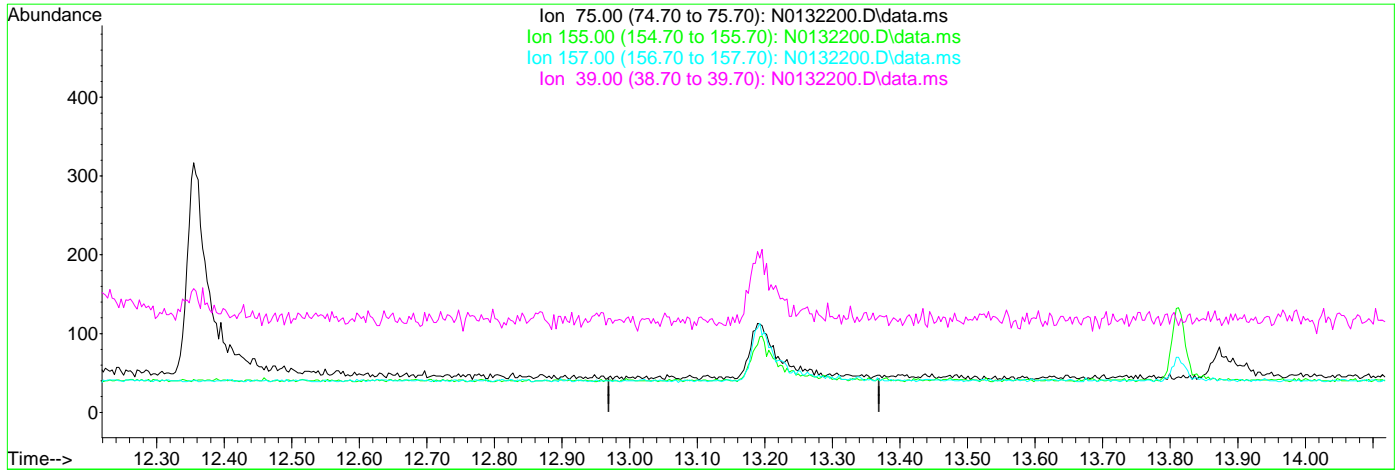


1.9.7
7

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\08-20-24\
 Data File : N0132200.D
 Acq On : 20 Aug 2024 10:17 am
 Operator : jeniferw
 Sample : IC6705-3
 Misc : MS57274,VN6705,,,,,
 ALS Vial : 4 Sample Multiplier: 1

Quant Time: Aug 20 10:44:20 2024
 Quant Method : C:\msdchem\1\methods\SIMCL_VN6705_082024.M
 Quant Title : Standard Methods 6200B
 QLast Update : Wed May 22 11:09:52 2024
 Response via : Initial Calibration



(23) 1,2-Dibromo-3-Chloropropane

13.169min (-13.169) 0.00ug/L

response 0

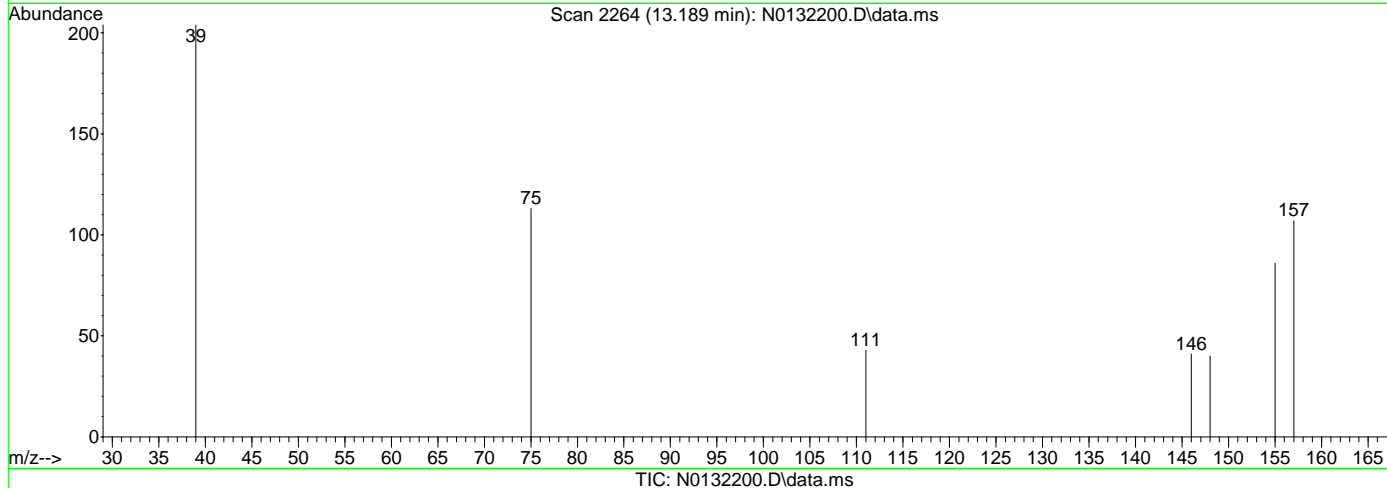
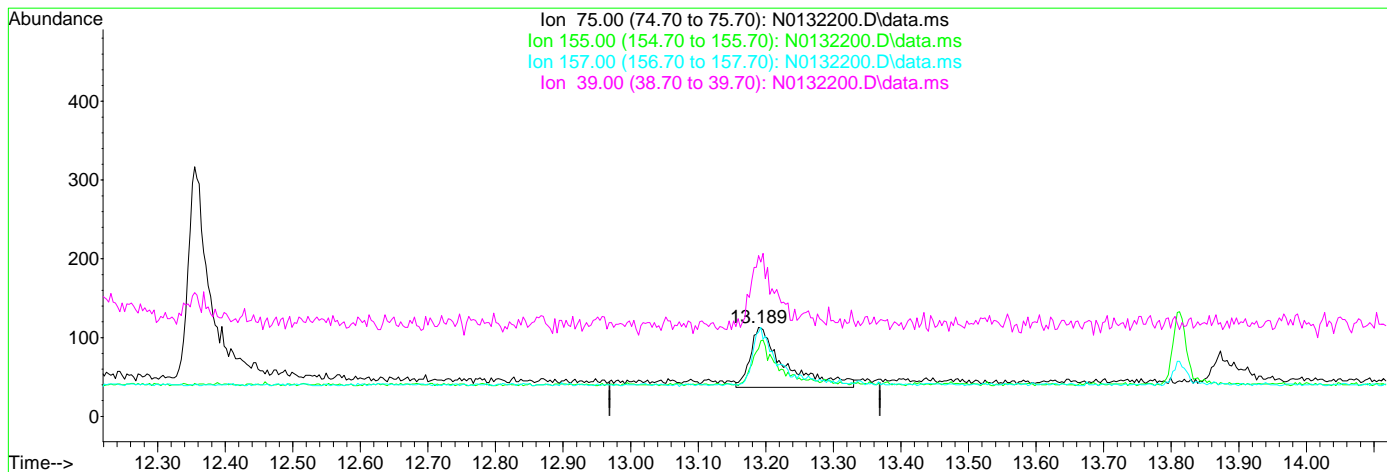
Ion	Exp%	Act%
75.00	100	0.00
155.00	95.00	0.00#
157.00	121.70	0.00#
39.00	85.30	0.00#

7.6.1.1
7

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\08-20-24\
 Data File : N0132200.D
 Acq On : 20 Aug 2024 10:17 am
 Operator : jeniferw
 Sample : IC6705-3
 Misc : MS57274,VN6705,,,,,
 ALS Vial : 4 Sample Multiplier: 1

Quant Time: Aug 20 10:44:20 2024
 Quant Method : C:\msdchem\1\methods\SIMCL_VN6705_082024.M
 Quant Title : Standard Methods 6200B
 QLast Update : Wed May 22 11:09:52 2024
 Response via : Initial Calibration



(23) 1,2-Dibromo-3-Chloropropane

13.189min (+0.020) 1.09ug/L m

response 271

Ion	Exp%	Act%
75.00	100	100
155.00	95.00	76.11
157.00	121.70	94.69
39.00	85.30	180.53#

7.6.1.2
7

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\08-20-24\
 Data File : N0132201.D
 Acq On : 20 Aug 2024 10:41 am
 Operator : jeniferw
 Sample : IC6705-4
 Misc : MS57318,VN6705,,,,,
 ALS Vial : 5 Sample Multiplier: 1

Quant Time: Aug 20 10:59:46 2024
 Quant Method : C:\msdchem\1\methods\SIMCL_VN6705_082024.M
 Quant Title : Standard Methods 6200B
 QLast Update : Wed May 22 11:09:52 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

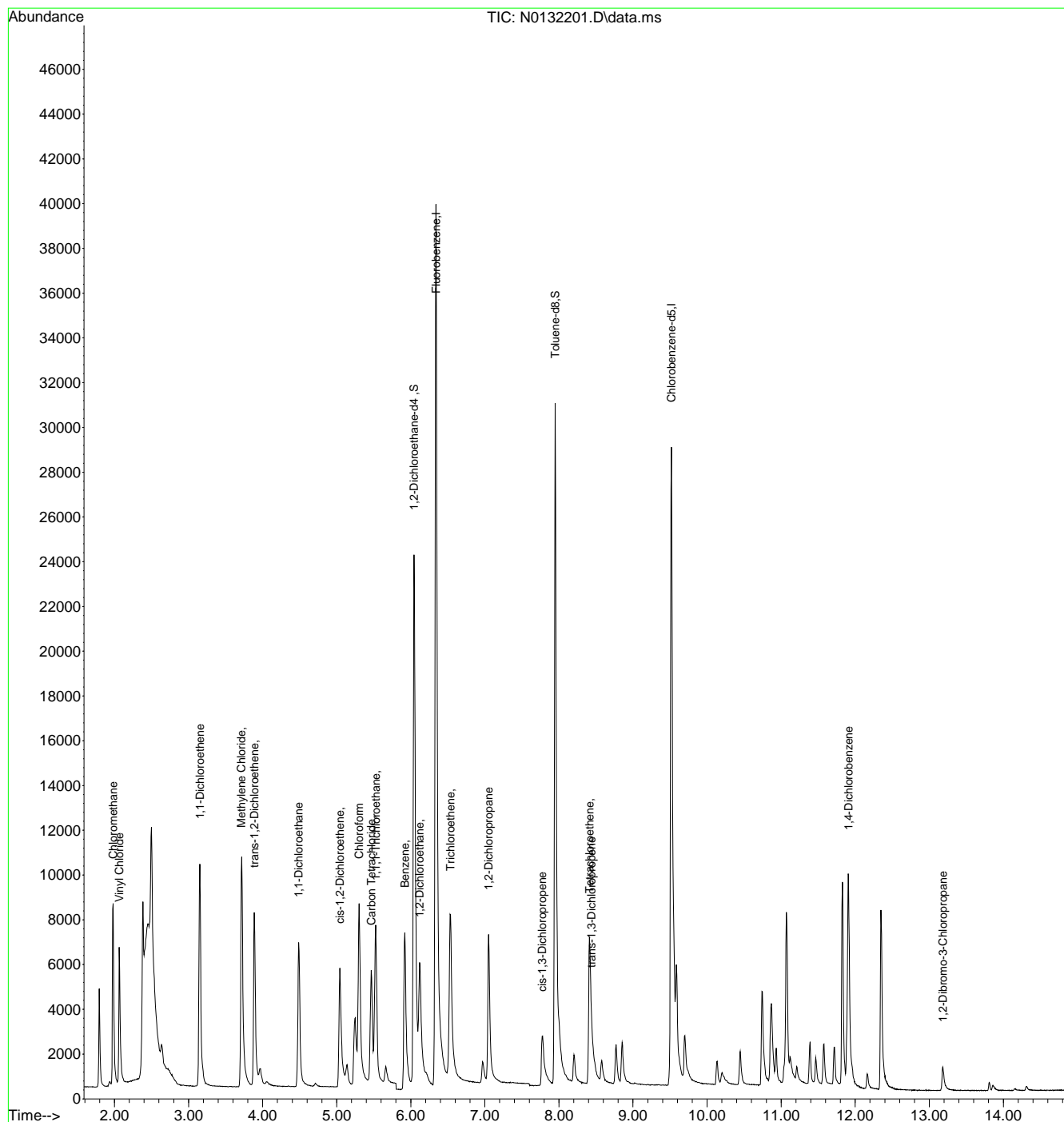
Internal Standards						
1) Fluorobenzene	6.341	96	50648	5.00	ug/L	0.00
18) Chlorobenzene-d5	9.519	117	35540	5.00	ug/L	0.00
System Monitoring Compounds						
13) 1,2-Dichloroethane-d4	6.045	65	22204	6.08	ug/L	0.00
Spiked Amount	5.000	Range 74 - 125	Recovery	=	121.60%	
19) Toluene-d8	7.951	98	35982	5.10	ug/L	0.00
Spiked Amount	5.000	Range 88 - 111	Recovery	=	102.00%	
Target Compounds						
						Qvalue
2) Vinyl Chloride	2.065	62	5841	3.98	ug/L	94
3) Chloromethane	1.982	50	8302	4.86	ug/L	99
4) 1,1-Dichloroethene	3.152	61	7294	3.75	ug/L	91
5) Methylene Chloride	3.712	49	10894	4.43	ug/L	75
6) trans-1,2-Dichloroethene	3.888	61	6014	3.40	ug/L	87
7) 1,1-Dichloroethane	4.487	63	8339	3.45	ug/L	95
8) cis-1,2-Dichloroethene	5.041	96	3496	2.54	ug/L #	77
9) Chloroform	5.303	83	8721	2.99	ug/L	94
10) Carbon Tetrachloride	5.466	117	3737	2.70	ug/L	97
11) 1,1,1-Trichloroethane	5.527	97	5256	2.49	ug/L	89
12) Benzene	5.919	78	13106	3.13	ug/L	90
14) 1,2-Dichloroethane	6.121	62	6527	3.34	ug/L	93
15) Trichloroethene	6.537	95	3617	2.59	ug/L	93
16) 1,2-Dichloropropane	7.053	63	4202	3.49	ug/L	92
17) cis-1,3-Dichloropropene	7.774	75	3251	2.81	ug/L	91
20) trans-1,3-Dichloropropene	8.440	75	3079	2.67	ug/L	89
21) Tetrachloroethene	8.413	166	3763	2.28	ug/L #	96
22) 1,4-Dichlorobenzene	11.909	146	8216	2.47	ug/L	88
23) 1,2-Dibromo-3-Chloropr...	13.183	75	654	2.26	ug/L #	70

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\08-20-24\
 Data File : N0132201.D
 Acq On : 20 Aug 2024 10:41 am
 Operator : jeniferw
 Sample : IC6705-4
 Misc : MS57318,VN6705,,,,,
 ALS Vial : 5 Sample Multiplier: 1

Quant Time: Aug 20 10:59:46 2024
 Quant Method : C:\msdchem\1\methods\SIMCL_VN6705_082024.M
 Quant Title : Standard Methods 6200B
 QLast Update : Wed May 22 11:09:52 2024
 Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\08-20-24\
 Data File : N0132202.D
 Acq On : 20 Aug 2024 11:04 am
 Operator : jeniferw
 Sample : ICC6705-5
 Misc : MS57318,VN6705,,,,,
 ALS Vial : 6 Sample Multiplier: 1

Quant Time: Aug 20 11:20:16 2024
 Quant Method : C:\msdchem\1\methods\SIMCL_VN6705_082024.M
 Quant Title : Standard Methods 6200B
 QLast Update : Wed May 22 11:09:52 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	

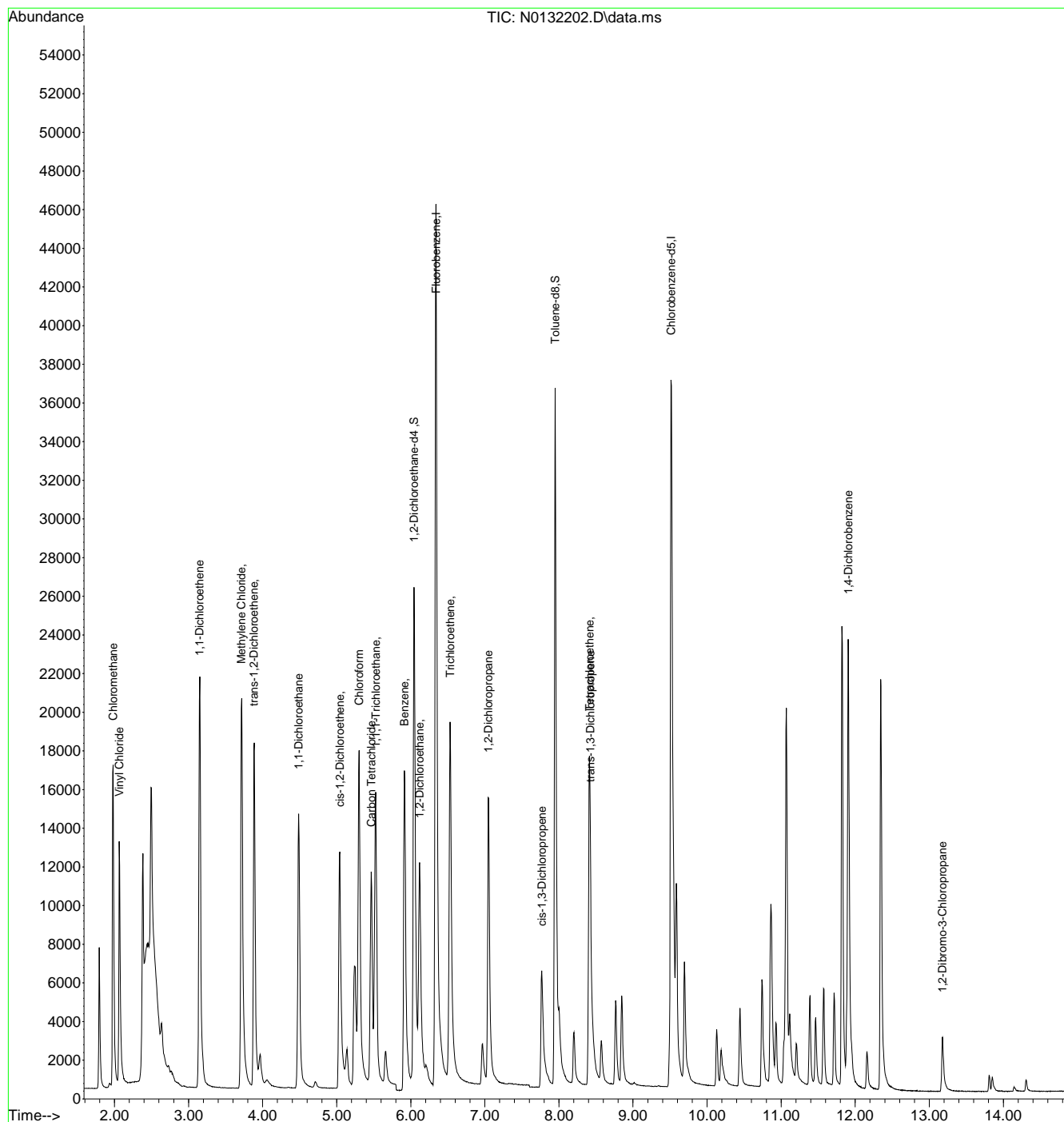
Internal Standards							
1) Fluorobenzene	6.341	96	57601	5.00	ug/L	0.00	
18) Chlorobenzene-d5	9.514	117	36791	5.00	ug/L	0.00	
System Monitoring Compounds							
13) 1,2-Dichloroethane-d4	6.045	65	24119	5.81	ug/L	0.00	
Spiked Amount	5.000	Range 74 - 125	Recovery	=	116.20%		
19) Toluene-d8	7.951	98	40760	5.58	ug/L	0.00	
Spiked Amount	5.000	Range 88 - 111	Recovery	=	111.60%#		
Target Compounds							
							Qvalue
2) Vinyl Chloride	2.065	62	12559	7.52	ug/L		94
3) Chloromethane	1.982	50	17210	8.86	ug/L		99
4) 1,1-Dichloroethene	3.147	61	15828	7.16	ug/L		85
5) Methylene Chloride	3.712	49	21315	7.62	ug/L		75
6) trans-1,2-Dichloroethene	3.883	61	13357	6.63	ug/L		82
7) 1,1-Dichloroethane	4.487	63	17936	6.52	ug/L		96
8) cis-1,2-Dichloroethene	5.042	96	7655	4.88	ug/L #		81
9) Chloroform	5.303	83	17762	5.35	ug/L		94
10) Carbon Tetrachloride	5.466	117	8068	5.13	ug/L		97
11) 1,1,1-Trichloroethane	5.527	97	11455	4.78	ug/L		92
12) Benzene	5.915	78	28737	6.04	ug/L		90
14) 1,2-Dichloroethane	6.121	62	14104	6.35	ug/L		93
15) Trichloroethene	6.531	95	8092	5.10	ug/L		88
16) 1,2-Dichloropropane	7.047	63	9164	6.70	ug/L		93
17) cis-1,3-Dichloropropene	7.769	75	7699	5.84	ug/L		91
20) trans-1,3-Dichloropropene	8.424	75	7735	6.47	ug/L		89
21) Tetrachloroethene	8.413	166	8026	4.71	ug/L #		98
22) 1,4-Dichlorobenzene	11.906	146	18712	5.44	ug/L		91
23) 1,2-Dibromo-3-Chloropr...	13.176	75	1582	5.29	ug/L #		72

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\08-20-24\
Data File : N0132202.D
Acq On : 20 Aug 2024 11:04 am
Operator : jeniferw
Sample : ICC6705-5
Misc : MS57318,VN6705,,,,,
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Aug 20 11:20:16 2024
Quant Method : C:\msdchem\1\methods\SIMCL_VN6705_082024.M
Quant Title : Standard Methods 6200B
QLast Update : Wed May 22 11:09:52 2024
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\08-20-24\
 Data File : N0132203.D
 Acq On : 20 Aug 2024 11:28 am
 Operator : jeniferw
 Sample : IC6705-6
 Misc : MS57318,VN6705,,,,,
 ALS Vial : 7 Sample Multiplier: 1

Quant Time: Aug 20 11:51:08 2024
 Quant Method : C:\msdchem\1\methods\SIMCL_VN6705_082024.M
 Quant Title : Standard Methods 6200B
 QLast Update : Wed May 22 11:09:52 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	

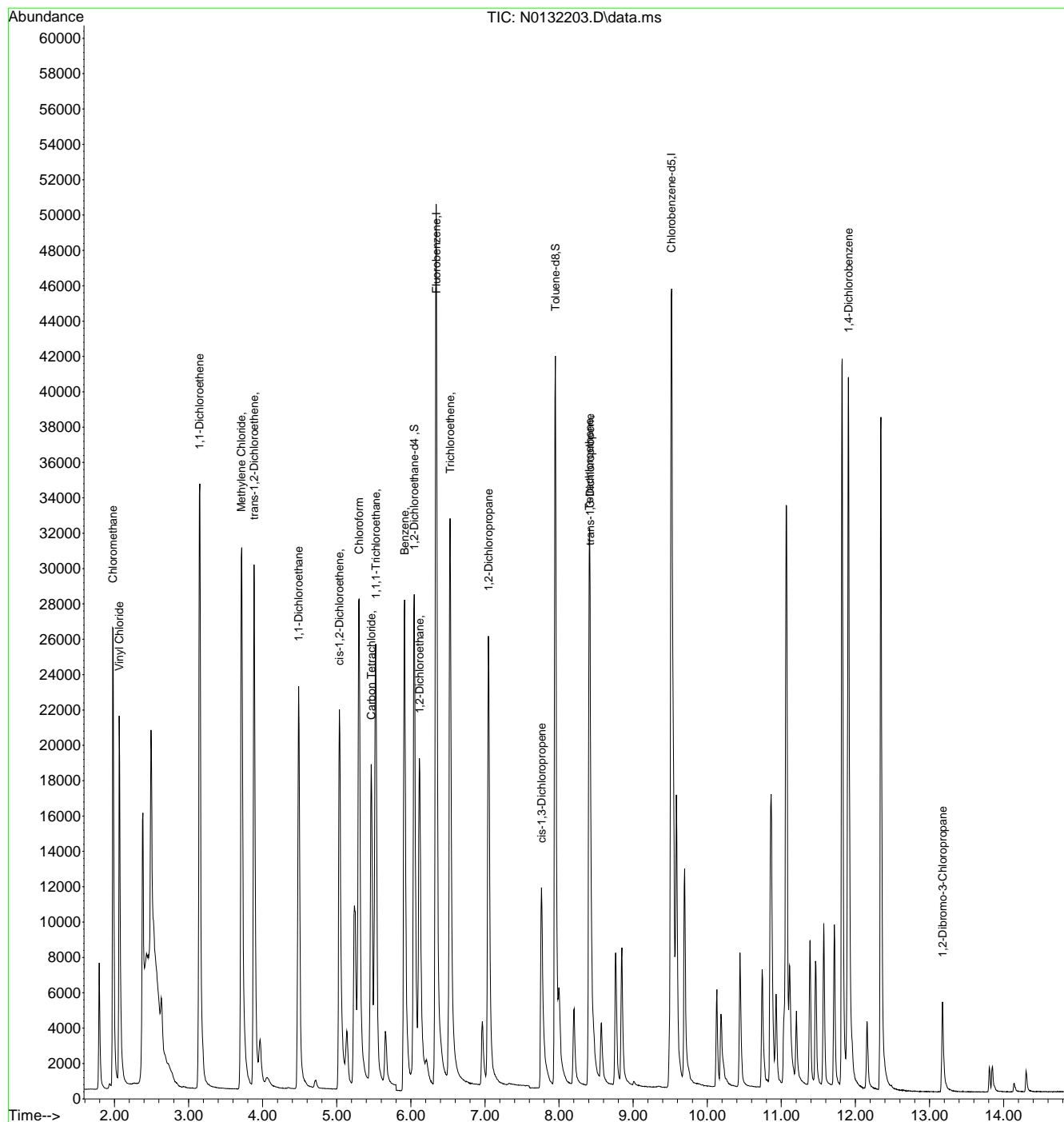
Internal Standards							
1) Fluorobenzene	6.341	96	62820	5.00	ug/L	0.00	
18) Chlorobenzene-d5	9.514	117	41500	5.00	ug/L	0.00	
System Monitoring Compounds							
13) 1,2-Dichloroethane-d4	6.045	65	26036	5.75	ug/L	0.00	
Spiked Amount	5.000	Range 74 - 125	Recovery	=	115.00%		
19) Toluene-d8	7.951	98	45907	5.57	ug/L	0.00	
Spiked Amount	5.000	Range 88 - 111	Recovery	=	111.40%#		
Target Compounds							
							Qvalue
2) Vinyl Chloride	2.065	62	20844	11.45	ug/L		94
3) Chloromethane	1.977	50	27127	12.80	ug/L		99
4) 1,1-Dichloroethene	3.147	61	25712	10.66	ug/L		86
5) Methylene Chloride	3.712	49	32479	10.65	ug/L		76
6) trans-1,2-Dichloroethene	3.883	61	21918	9.98	ug/L		84
7) 1,1-Dichloroethane	4.487	63	28686	9.56	ug/L		98
8) cis-1,2-Dichloroethene	5.036	96	12700	7.43	ug/L #		75
9) Chloroform	5.303	83	28040	7.75	ug/L		96
10) Carbon Tetrachloride	5.466	117	13283	7.75	ug/L		96
11) 1,1,1-Trichloroethane	5.527	97	18815	7.20	ug/L		91
12) Benzene	5.915	78	46884	9.04	ug/L		92
14) 1,2-Dichloroethane	6.116	62	22194	9.17	ug/L		93
15) Trichloroethene	6.531	95	13449	7.77	ug/L		90
16) 1,2-Dichloropropane	7.047	63	14788	9.92	ug/L		93
17) cis-1,3-Dichloropropene	7.764	75	13326	9.28	ug/L		90
20) trans-1,3-Dichloropropene	8.418	75	13780	10.23	ug/L		89
21) Tetrachloroethene	8.407	166	13210	6.87	ug/L #		98
22) 1,4-Dichlorobenzene	11.906	146	30877	7.96	ug/L		93
23) 1,2-Dibromo-3-Chloropr...	13.176	75	2628	7.79	ug/L		77

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\08-20-24\
Data File : N0132203.D
Acq On : 20 Aug 2024 11:28 am
Operator : jeniferw
Sample : IC6705-6
Misc : MS57318,VN6705,,,,,
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Aug 20 11:51:08 2024
Quant Method : C:\msdchem\1\methods\SIMCL_VN6705_082024.M
Quant Title : Standard Methods 6200B
QLast Update : Wed May 22 11:09:52 2024
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\08-20-24\
 Data File : N0132204.D
 Acq On : 20 Aug 2024 11:51 am
 Operator : jeniferw
 Sample : IC6705-7
 Misc : MS57318,VN6705,,,,,
 ALS Vial : 8 Sample Multiplier: 1

Quant Time: Aug 20 12:07:12 2024
 Quant Method : C:\msdchem\1\methods\SIMCL_VN6705_082024.M
 Quant Title : Standard Methods 6200B
 QLast Update : Tue Aug 20 11:59:16 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	

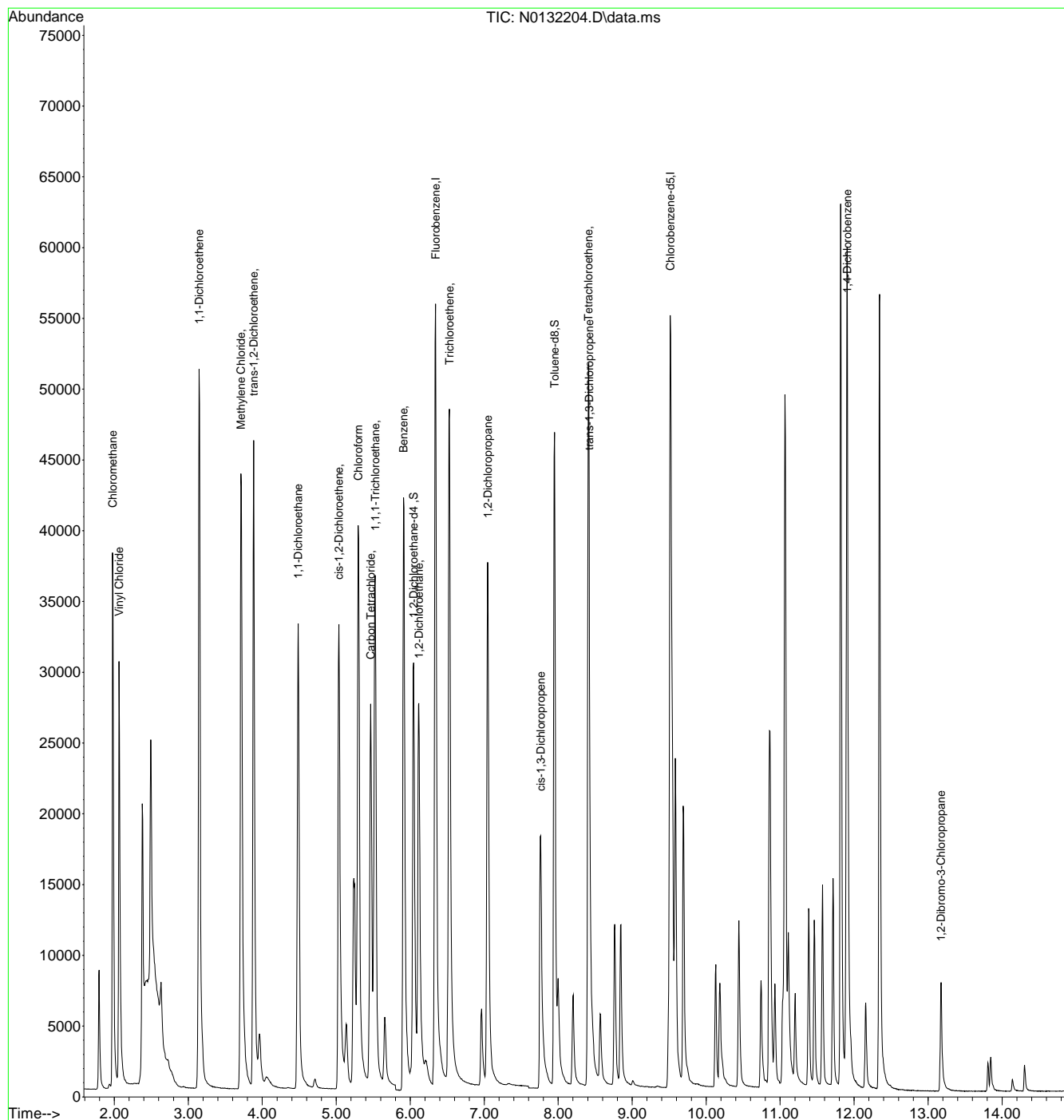
Internal Standards							
1) Fluorobenzene	6.341	96	69391	5.00	ug/L	0.00	
18) Chlorobenzene-d5	9.514	117	46307	5.00	ug/L	0.00	
System Monitoring Compounds							
13) 1,2-Dichloroethane-d4	6.045	65	27853	4.48	ug/L	0.00	
Spiked Amount	5.000	Range 74 - 125	Recovery	=	89.60%		
19) Toluene-d8	7.951	98	50729	4.98	ug/L	0.00	
Spiked Amount	5.000	Range 88 - 111	Recovery	=	99.60%		
Target Compounds							
							Qvalue
2) Vinyl Chloride	2.065	62	29031	14.67	ug/L		99
3) Chloromethane	1.977	50	37619	13.89	ug/L		97
4) 1,1-Dichloroethene	3.147	61	37603	17.34	ug/L		96
5) Methylene Chloride	3.712	49	45706	15.45	ug/L		96
6) trans-1,2-Dichloroethene	3.883	61	32274	17.55	ug/L		96
7) 1,1-Dichloroethane	4.487	63	41444	16.53	ug/L		98
8) cis-1,2-Dichloroethene	5.036	96	18767	17.98	ug/L		98
9) Chloroform	5.296	83	40115	13.76	ug/L		96
10) Carbon Tetrachloride	5.466	117	19636	18.02	ug/L		99
11) 1,1,1-Trichloroethane	5.527	97	27467	17.28	ug/L		99
12) Benzene	5.910	78	69333	17.40	ug/L		100
14) 1,2-Dichloroethane	6.116	62	31799	17.96	ug/L		99
15) Trichloroethene	6.531	95	19716	17.66	ug/L		96
16) 1,2-Dichloropropane	7.047	63	21581	18.03	ug/L		99
17) cis-1,3-Dichloropropene	7.763	75	20502	22.35	ug/L		99
20) trans-1,3-Dichloropropene	8.418	75	21425	26.00	ug/L		97
21) Tetrachloroethene	8.407	166	19204	16.95	ug/L #		97
22) 1,4-Dichlorobenzene	11.906	146	44673	18.33	ug/L		96
23) 1,2-Dibromo-3-Chloropr...	13.172	75	3812	18.20	ug/L		96

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\08-20-24\
 Data File : N0132204.D
 Acq On : 20 Aug 2024 11:51 am
 Operator : jeniferw
 Sample : IC6705-7
 Misc : MS57318,VN6705,,,,,
 ALS Vial : 8 Sample Multiplier: 1

Quant Time: Aug 20 12:07:12 2024
 Quant Method : C:\msdchem\1\methods\SIMCL_VN6705_082024.M
 Quant Title : Standard Methods 6200B
 QLast Update : Tue Aug 20 11:59:16 2024
 Response via : Initial Calibration



7.6.5
7



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\08-20-24\
 Data File : N0132207.D
 Acq On : 20 Aug 2024 1:05 pm
 Operator : jeniferw
 Sample : IC6705-1
 Misc : MS57318,VN6705,,,,,
 ALS Vial : 11 Sample Multiplier: 1

Quant Time: Aug 20 13:21:18 2024
 Quant Method : C:\msdchem\1\methods\SIMCL_VN6705_082024.M
 Quant Title : Standard Methods 6200B
 QLast Update : Tue Aug 20 12:28:26 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

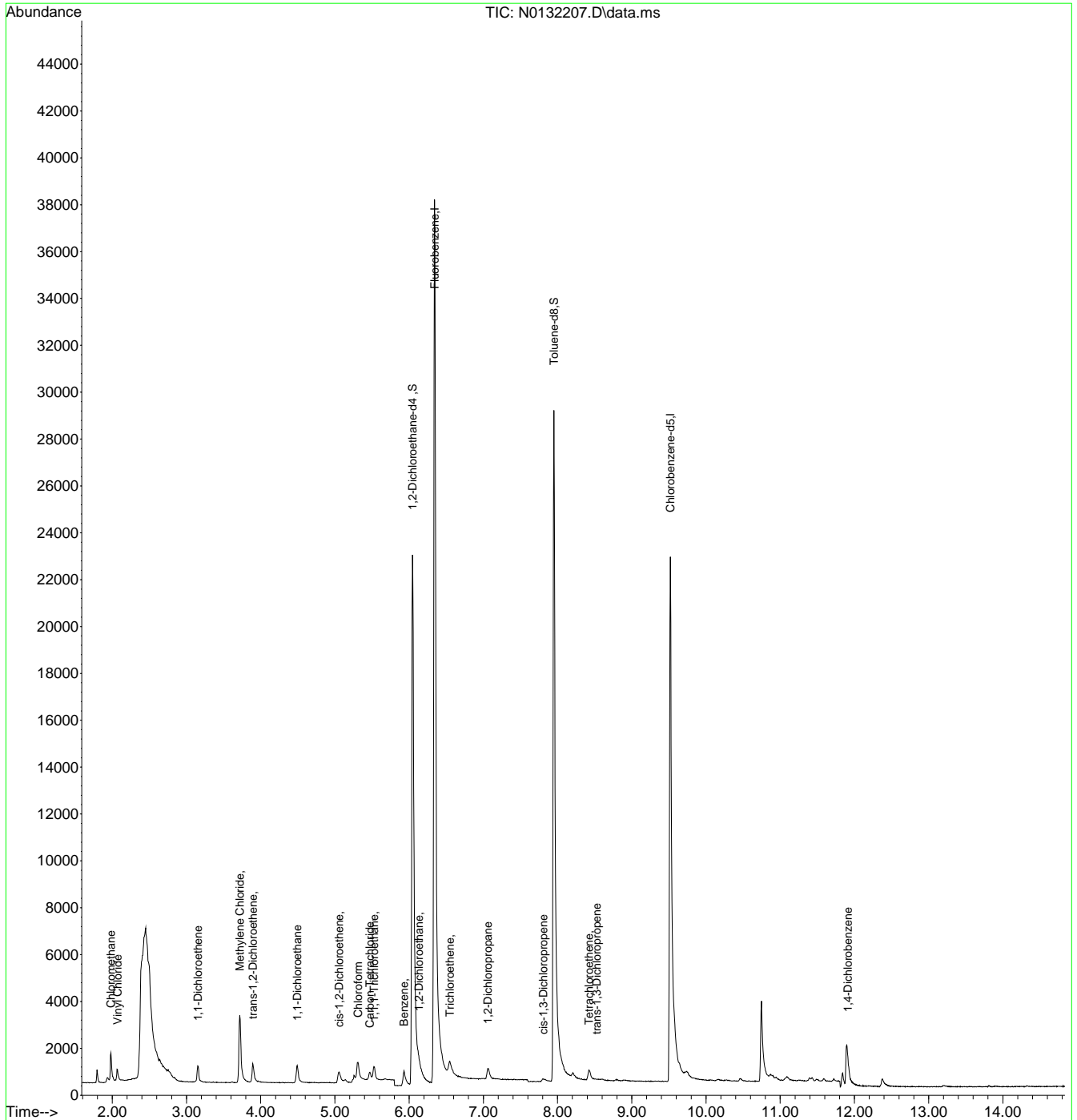
Internal Standards						
1) Fluorobenzene	6.341	96	49779	5.00	ug/L	0.00
18) Chlorobenzene-d5	9.519	117	31002	5.00	ug/L	0.00
System Monitoring Compounds						
13) 1,2-Dichloroethane-d4	6.045	65	21712	4.94	ug/L	0.00
Spiked Amount	5.000	Range 74 - 125	Recovery	=	98.80%	
19) Toluene-d8	7.951	98	36102	5.30	ug/L	0.00
Spiked Amount	5.000	Range 88 - 111	Recovery	=	106.00%	
Target Compounds						
						Qvalue
2) Vinyl Chloride	2.070	62	522	0.38	ug/L	95
3) Chloromethane	1.982	50	1298	0.70	ug/L	97
4) 1,1-Dichloroethene	3.152	61	535	0.38	ug/L	94
5) Methylene Chloride	3.718	49	3088	1.52	ug/L	93
6) trans-1,2-Dichloroethene	3.894	61	698	0.54	ug/L	95
7) 1,1-Dichloroethane	4.492	63	957	0.55	ug/L	91
8) cis-1,2-Dichloroethene	5.058	96	335	0.45	ug/L	95
9) Chloroform	5.310	83	1449	0.73	ug/L	94
10) Carbon Tetrachloride	5.473	117	253	0.33	ug/L	94
11) 1,1,1-Trichloroethane	5.527	97	441	0.40	ug/L	91
12) Benzene	5.931	78	1563	0.56	ug/L	97
14) 1,2-Dichloroethane	6.129	62	319	0.25	ug/L	80
15) Trichloroethene	6.549	95	410	0.52	ug/L	96
16) 1,2-Dichloropropane	7.058	63	373	0.44	ug/L	88
17) cis-1,3-Dichloropropene	7.807	75	217	0.32	ug/L	73
20) trans-1,3-Dichloropropene	8.528	75	94	0.16	ug/L	74
21) Tetrachloroethene	8.424	166	328	0.44	ug/L #	91
22) 1,4-Dichlorobenzene	11.913	146	897	0.56	ug/L #	26

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\08-20-24\
 Data File : N0132207.D
 Acq On : 20 Aug 2024 1:05 pm
 Operator : jeniferw
 Sample : IC6705-1
 Misc : MS57318,VN6705,,,,,
 ALS Vial : 11 Sample Multiplier: 1

Quant Time: Aug 20 13:21:18 2024
 Quant Method : C:\msdchem\1\methods\SIMCL_VN6705_082024.M
 Quant Title : Standard Methods 6200B
 QLast Update : Tue Aug 20 12:28:26 2024
 Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\08-20-24\
 Data File : N0132208.D
 Acq On : 20 Aug 2024 1:28 pm
 Operator : jeniferw
 Sample : IC6705-2
 Misc : MS57318,VN6705,,,,,
 ALS Vial : 12 Sample Multiplier: 1

Quant Time: Aug 20 13:44:15 2024
 Quant Method : C:\msdchem\1\methods\SIMCL_VN6705_082024.M
 Quant Title : Standard Methods 6200B
 QLast Update : Tue Aug 20 13:23:25 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	

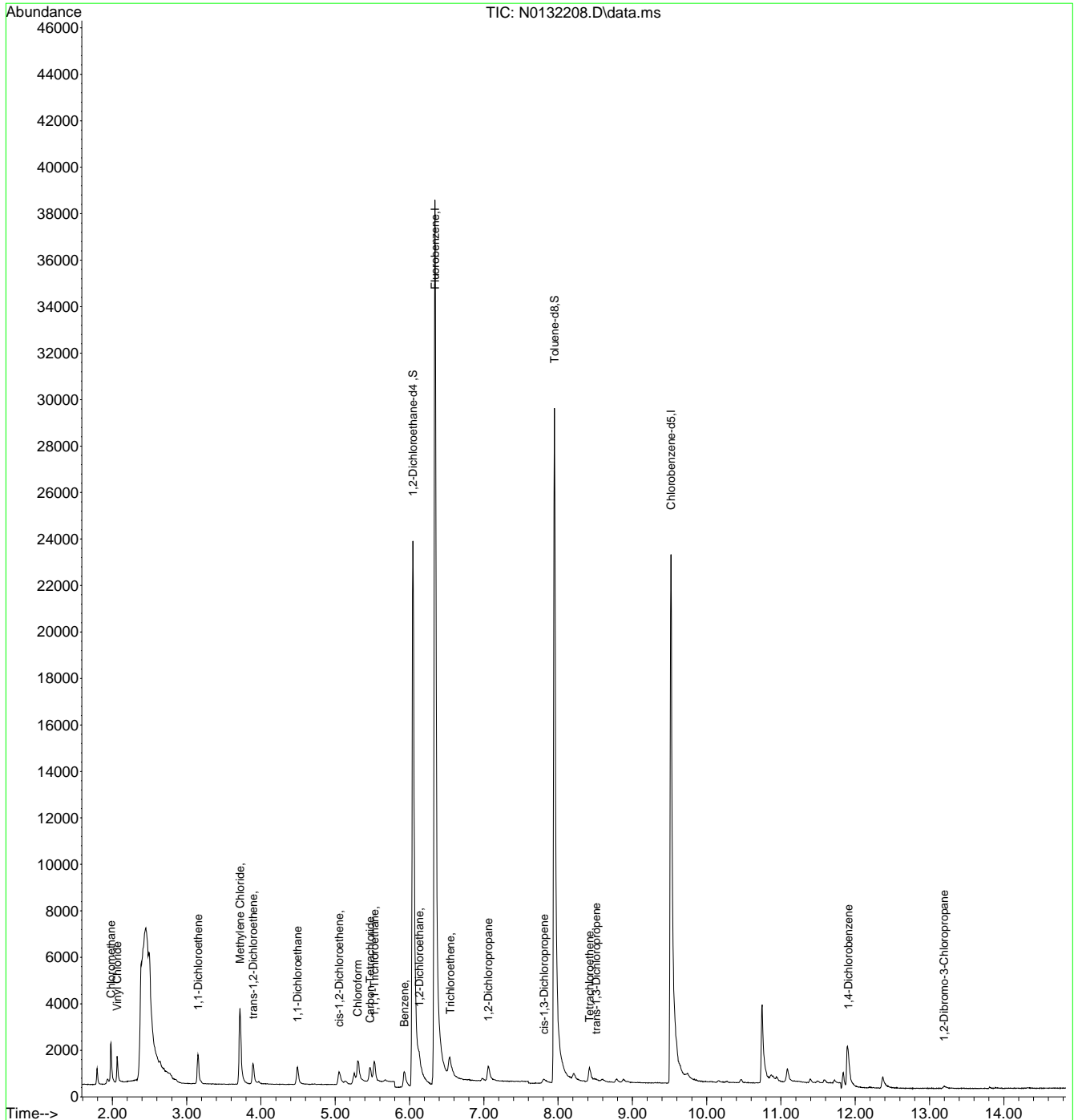
Internal Standards							
1) Fluorobenzene	6.341	96	50625	5.00	ug/L	0.00	
18) Chlorobenzene-d5	9.519	117	31825	5.00	ug/L	0.00	
System Monitoring Compounds							
13) 1,2-Dichloroethane-d4	6.045	65	22163	5.02	ug/L	0.00	
Spiked Amount	5.000	Range 74 - 125	Recovery	=	100.40%		
19) Toluene-d8	7.950	98	36684	5.24	ug/L	0.00	
Spiked Amount	5.000	Range 88 - 111	Recovery	=	104.80%		
Target Compounds							
							Qvalue
2) Vinyl Chloride	2.065	62	1030	0.92	ug/L		99
3) Chloromethane	1.982	50	1890	1.01	ug/L		99
4) 1,1-Dichloroethene	3.152	61	929	0.60	ug/L		88
5) Methylene Chloride	3.718	49	3350	1.63	ug/L		88
6) trans-1,2-Dichloroethene	3.894	61	770	0.59	ug/L		95
7) 1,1-Dichloroethane	4.492	63	1009	0.57	ug/L		96
8) cis-1,2-Dichloroethene	5.052	96	467	0.62	ug/L		94
9) Chloroform	5.303	83	1576	0.78	ug/L		93
10) Carbon Tetrachloride	5.473	117	471	0.60	ug/L		97
11) 1,1,1-Trichloroethane	5.527	97	672	0.59	ug/L		94
12) Benzene	5.931	78	1712	0.60	ug/L		96
14) 1,2-Dichloroethane	6.129	62	723	0.56	ug/L		98
15) Trichloroethene	6.548	95	489	0.61	ug/L		93
16) 1,2-Dichloropropane	7.058	63	526	0.61	ug/L		92
17) cis-1,3-Dichloropropene	7.813	75	347	0.51	ug/L		78
20) trans-1,3-Dichloropropene	8.512	75	218	0.37	ug/L #		59
21) Tetrachloroethene	8.424	166	449	0.59	ug/L #		96
22) 1,4-Dichlorobenzene	11.909	146	1037	0.63	ug/L #		32
23) 1,2-Dibromo-3-Chloropr...	13.196	75	123m	0.87	ug/L		

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\08-20-24\
 Data File : N0132208.D
 Acq On : 20 Aug 2024 1:28 pm
 Operator : jeniferw
 Sample : IC6705-2
 Misc : MS57318,VN6705,,,,,
 ALS Vial : 12 Sample Multiplier: 1

Quant Time: Aug 20 13:44:15 2024
 Quant Method : C:\msdchem\1\methods\SIMCL_VN6705_082024.M
 Quant Title : Standard Methods 6200B
 QLast Update : Tue Aug 20 13:23:25 2024
 Response via : Initial Calibration



7.6.7

Manual Integration Approval Summary

Sample Number: VN6705-IC6705 **Method:** SW846 8260D BY SIM
Lab FileID: N0132208.D **Analyst approved:** 08/20/24 14:18 Jenifer Willis
Injection Time: 08/20/24 13:28 **Supervisor approved:** 08/20/24 14:44 Karen Watson

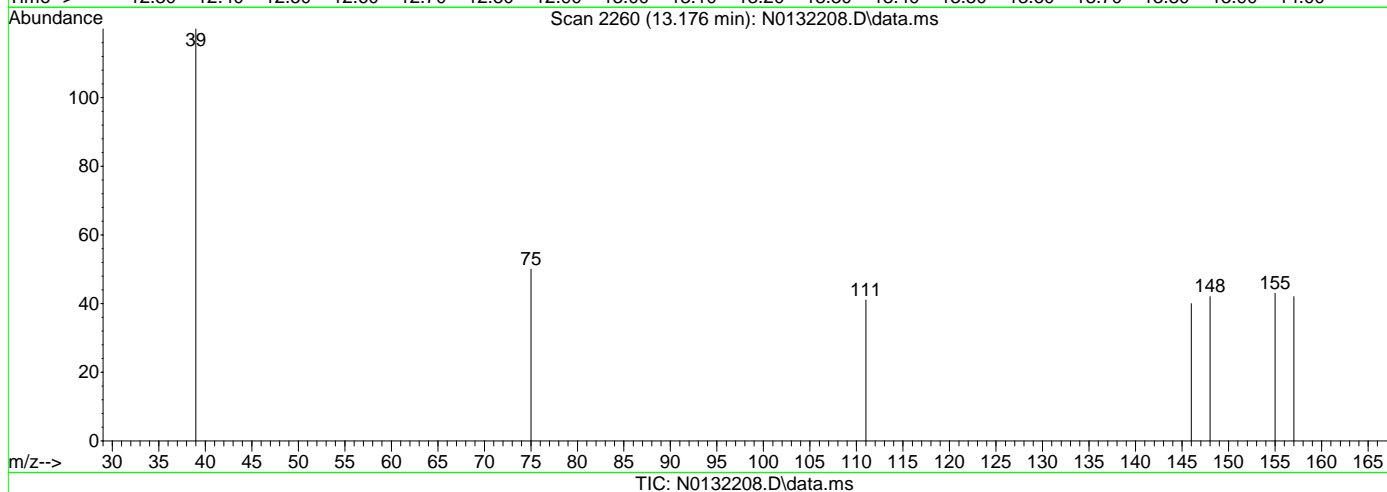
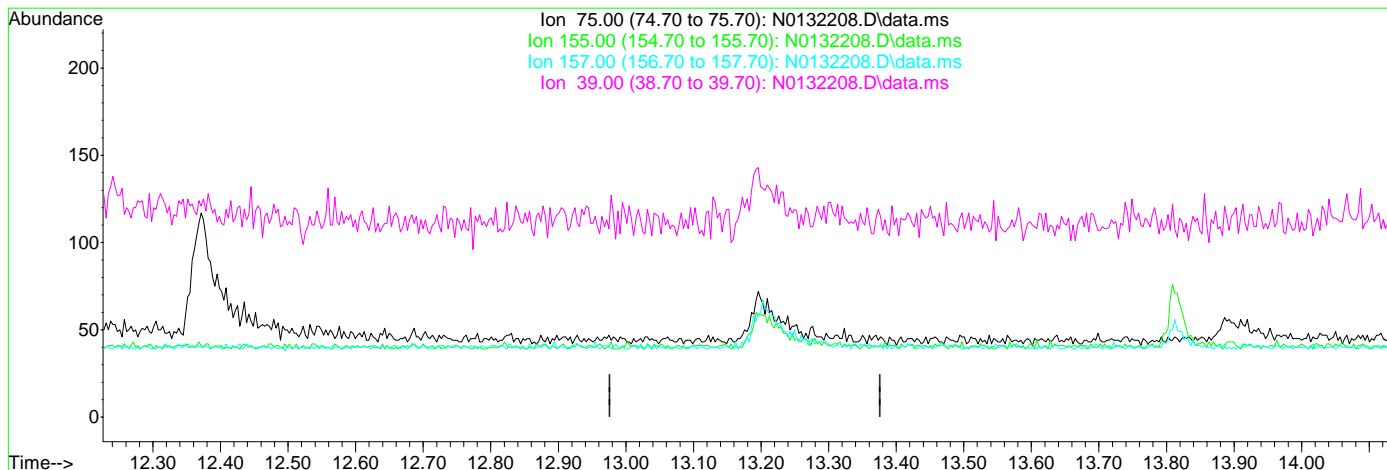
Parameter	CAS	Sig#	R.T. (min.)	Reason
1,2-Dibromo-3-chloropropane	96-12-8		13.20	Missed peak

7.6.7.1
7

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\08-20-24\
 Data File : N0132208.D
 Acq On : 20 Aug 2024 1:28 pm
 Operator : jeniferw
 Sample : IC6705-2
 Misc : MS57274,VN6705,,,,,
 ALS Vial : 12 Sample Multiplier: 1

Quant Time: Aug 20 13:44:05 2024
 Quant Method : C:\msdchem\1\methods\SIMCL_VN6705_082024.M
 Quant Title : Standard Methods 6200B
 QLast Update : Tue Aug 20 13:23:25 2024
 Response via : Initial Calibration



(23) 1,2-Dibromo-3-Chloropropane

13.176min (-13.176) 0.00ug/L

response 0

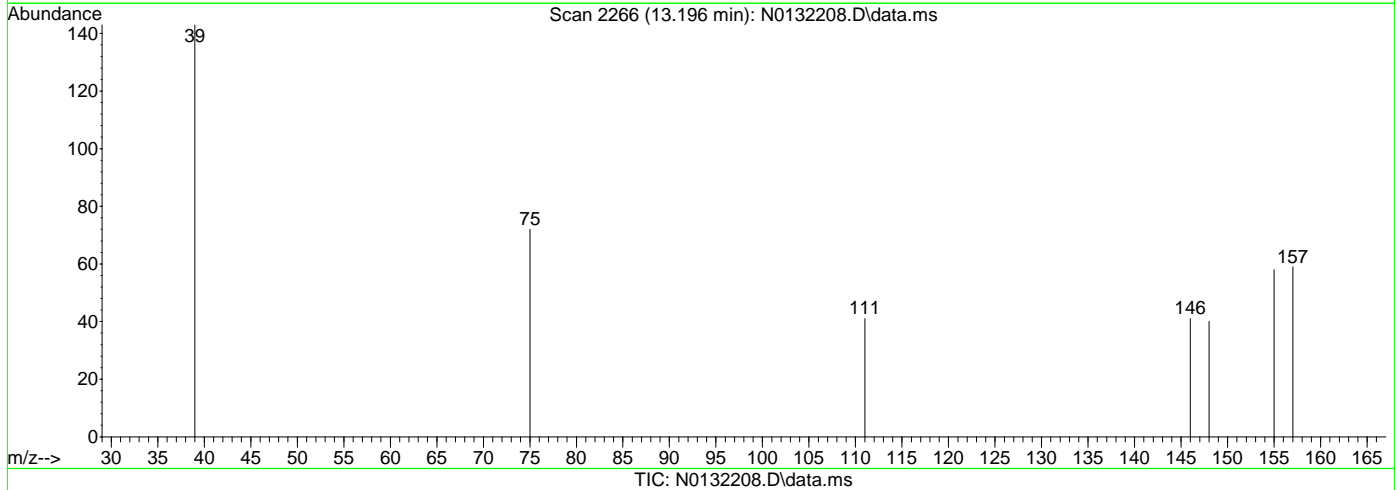
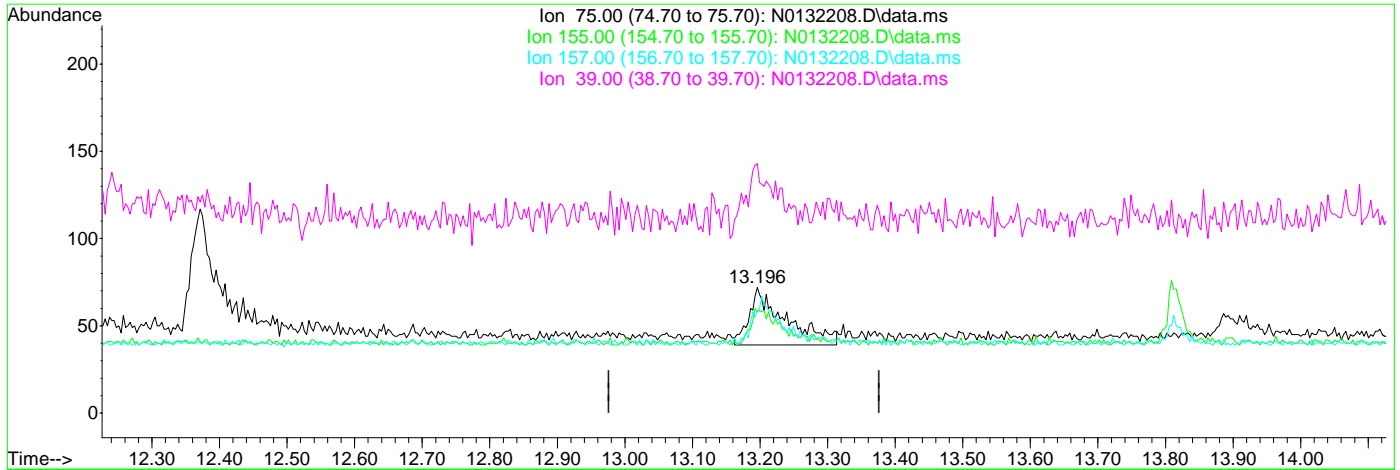
Ion	Exp%	Act%
75.00	100	0.00
155.00	72.00	0.00#
157.00	87.40	0.00#
39.00	113.50	0.00#

7.6.7.2
7

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\08-20-24\
 Data File : N0132208.D
 Acq On : 20 Aug 2024 1:28 pm
 Operator : jeniferw
 Sample : IC6705-2
 Misc : MS57274,VN6705,,,,,
 ALS Vial : 12 Sample Multiplier: 1

Quant Time: Aug 20 13:44:05 2024
 Quant Method : C:\msdchem\1\methods\SIMCL_VN6705_082024.M
 Quant Title : Standard Methods 6200B
 QLast Update : Tue Aug 20 13:23:25 2024
 Response via : Initial Calibration



(23) 1,2-Dibromo-3-Chloropropane

13.196min (+0.020) 0.87ug/L m

response 123

Ion	Exp%	Act%
75.00	100	100
155.00	72.00	80.56
157.00	87.40	81.94
39.00	113.50	198.61#

7.6.7.3
7

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\08-20-24\
 Data File : N0132209.D
 Acq On : 20 Aug 2024 1:52 pm
 Operator : jeniferw
 Sample : ICV6705-5
 Misc : MS57318,VN6705,,,,,
 ALS Vial : 13 Sample Multiplier: 1

Quant Time: Aug 20 14:07:51 2024
 Quant Method : C:\msdchem\1\methods\SIMCL_VN6705_082024.M
 Quant Title : Standard Methods 6200B
 QLast Update : Tue Aug 20 14:01:28 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	

Internal Standards							
1) Fluorobenzene	6.341	96	60876	5.00	ug/L	0.00	
18) Chlorobenzene-d5	9.519	117	38477	5.00	ug/L	0.00	
System Monitoring Compounds							
13) 1,2-Dichloroethane-d4	6.045	65	24856	4.75	ug/L	0.00	
Spiked Amount	5.000	Range 74 - 125	Recovery	=	95.00%		
19) Toluene-d8	7.950	98	44023	5.18	ug/L	0.00	
Spiked Amount	5.000	Range 88 - 111	Recovery	=	103.60%		
Target Compounds							
							Qvalue
2) Vinyl Chloride	2.065	62	11230	8.34	ug/L		100
3) Chloromethane	1.977	50	14558	8.09	ug/L		99
4) 1,1-Dichloroethene	3.147	61	18570	10.37	ug/L		99
5) Methylene Chloride	3.712	49	25489	10.75	ug/L		99
6) trans-1,2-Dichloroethene	3.883	61	16100	10.77	ug/L		99
7) 1,1-Dichloroethane	4.487	63	21110	10.51	ug/L		100
8) cis-1,2-Dichloroethene	5.041	96	9214	10.51	ug/L		96
9) Chloroform	5.303	83	21095	10.63	ug/L		99
10) Carbon Tetrachloride	5.466	117	9791	10.75	ug/L		97
11) 1,1,1-Trichloroethane	5.527	97	14177	10.94	ug/L		100
12) Benzene	5.915	78	34837	10.71	ug/L		99
14) 1,2-Dichloroethane	6.120	62	16914	11.01	ug/L		98
15) Trichloroethene	6.531	95	10005	10.93	ug/L		99
16) 1,2-Dichloropropane	7.046	63	11103	10.82	ug/L		99
17) cis-1,3-Dichloropropene	7.769	75	9207	11.33	ug/L		99
20) trans-1,3-Dichloropropene	8.424	75	8519	10.99	ug/L		97
21) Tetrachloroethene	8.407	166	10078	11.63	ug/L #		97
22) 1,4-Dichlorobenzene	11.906	146	22317	11.35	ug/L		99
23) 1,2-Dibromo-3-Chloropr...	13.179	75	1753	10.88	ug/L		98

(#) = qualifier out of range (m) = manual integration (+) = signals summed

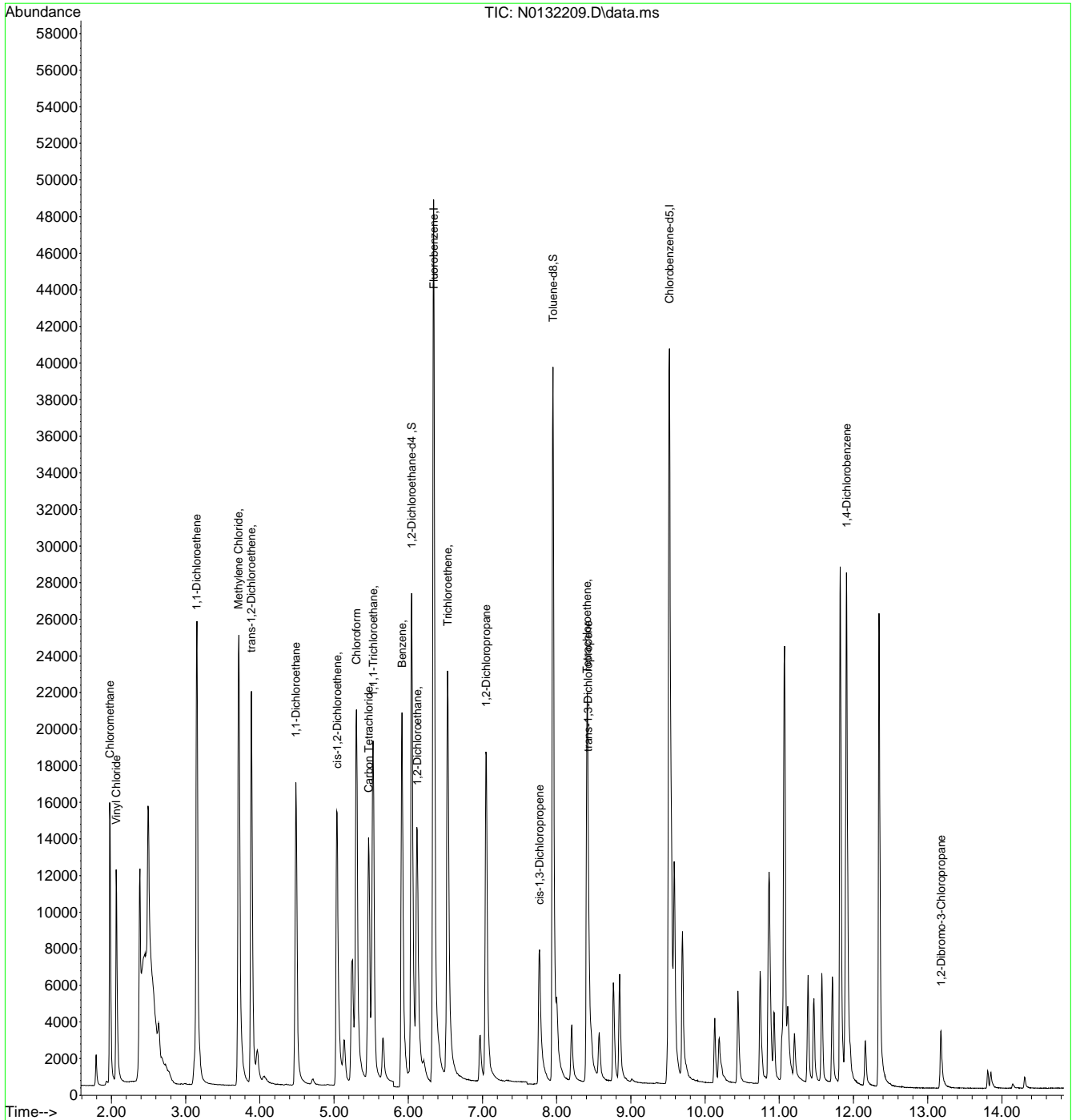


7.6.8
7

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\08-20-24\
 Data File : N0132209.D
 Acq On : 20 Aug 2024 1:52 pm
 Operator : jeniferw
 Sample : ICV6705-5
 Misc : MS57318,VN6705,,,,,
 ALS Vial : 13 Sample Multiplier: 1

Quant Time: Aug 20 14:07:51 2024
 Quant Method : C:\msdchem\1\methods\SIMCL_VN6705_082024.M
 Quant Title : Standard Methods 6200B
 QLast Update : Tue Aug 20 14:01:28 2024
 Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\08-30-24\
 Data File : N0132371.D
 Acq On : 30 Aug 2024 7:22 am
 Operator : jeniferw
 Sample : CC6705-5
 Misc : MS57382,VN6712,,,,,
 ALS Vial : 2 Sample Multiplier: 1

Quant Time: Aug 30 08:04:08 2024
 Quant Method : C:\msdchem\1\methods\SIMCL_VN6705_082024.M
 Quant Title : Standard Methods 6200B
 QLast Update : Tue Aug 20 14:01:28 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	

Internal Standards							
1) Fluorobenzene	6.341	96	66375	5.00	ug/L	0.00	
18) Chlorobenzene-d5	9.514	117	44473	5.00	ug/L	0.00	
System Monitoring Compounds							
13) 1,2-Dichloroethane-d4	6.041	65	27882	4.88	ug/L	0.00	
Spiked Amount	5.000	Range 74 - 125	Recovery	=	97.60%		
19) Toluene-d8	7.945	98	49439	5.04	ug/L	0.00	
Spiked Amount	5.000	Range 88 - 111	Recovery	=	100.80%		
Target Compounds							
							Qvalue
2) Vinyl Chloride	2.065	62	17206	11.72	ug/L		98
3) Chloromethane	1.977	50	21806	11.12	ug/L		98
4) 1,1-Dichloroethene	3.152	61	17639	9.03	ug/L		92
5) Methylene Chloride	3.712	49	29387	11.55	ug/L		96
6) trans-1,2-Dichloroethene	3.882	61	15954	9.79	ug/L		99
7) 1,1-Dichloroethane	4.487	63	21526	9.83	ug/L		99
8) cis-1,2-Dichloroethene	5.036	96	9732	10.18	ug/L		97
9) Chloroform	5.296	83	21480	9.80	ug/L		97
10) Carbon Tetrachloride	5.466	117	8599	8.66	ug/L		98
11) 1,1,1-Trichloroethane	5.527	97	13233	9.37	ug/L		99
12) Benzene	5.915	78	34872	9.83	ug/L		96
14) 1,2-Dichloroethane	6.116	62	16407	9.80	ug/L		98
15) Trichloroethene	6.531	95	9654	9.67	ug/L		97
16) 1,2-Dichloropropane	7.046	63	10701	9.56	ug/L		98
17) cis-1,3-Dichloropropene	7.763	75	9096	10.27	ug/L		98
20) trans-1,3-Dichloropropene	8.418	75	9057	10.25	ug/L		95
21) Tetrachloroethene	8.407	166	9899	9.89	ug/L #		97
22) 1,4-Dichlorobenzene	11.906	146	20449	8.99	ug/L		98
23) 1,2-Dibromo-3-Chloropr...	13.179	75	813	4.37	ug/L		95

(#) = qualifier out of range (m) = manual integration (+) = signals summed

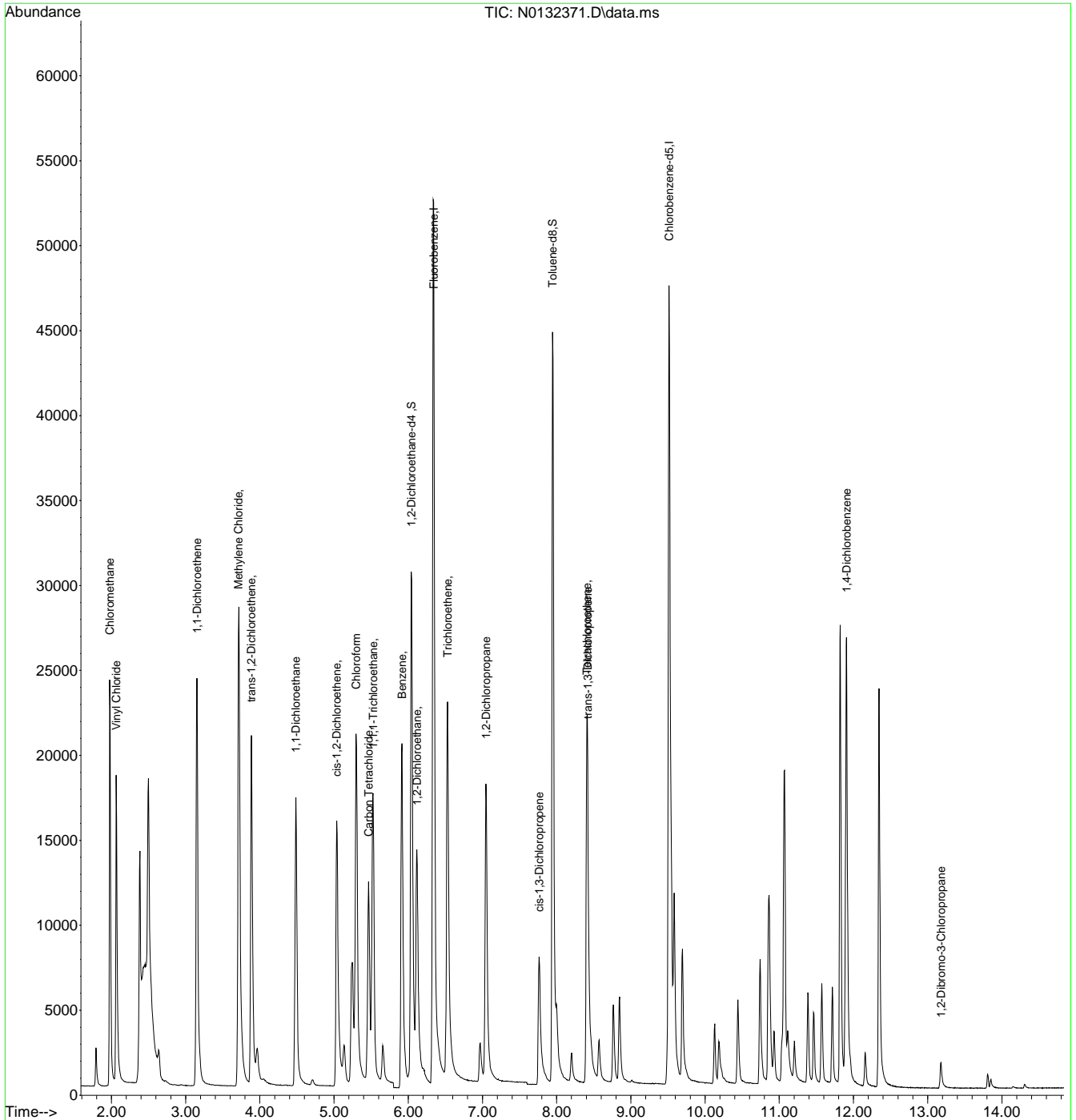


7.6.9
7

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\08-30-24\
 Data File : N0132371.D
 Acq On : 30 Aug 2024 7:22 am
 Operator : jeniferw
 Sample : CC6705-5
 Misc : MS57382,VN6712,,,,,
 ALS Vial : 2 Sample Multiplier: 1

Quant Time: Aug 30 08:04:08 2024
 Quant Method : C:\msdchem\1\methods\SIMCL_VN6705_082024.M
 Quant Title : Standard Methods 6200B
 QLast Update : Tue Aug 20 14:01:28 2024
 Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\08-30-24\
 Data File : N0132397.D
 Acq On : 30 Aug 2024 5:39 pm
 Operator : jeniferw
 Sample : ECC6705-5
 Misc : MS57392,VN6712,,,,,
 ALS Vial : 28 Sample Multiplier: 1

Quant Time: Sep 03 05:51:28 2024
 Quant Method : C:\msdchem\1\methods\SIMCL_VN6705_082024.M
 Quant Title : Standard Methods 6200B
 QLast Update : Tue Aug 20 14:01:28 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	

Internal Standards							
1) Fluorobenzene	6.341	96	64811	5.00	ug/L	0.00	
18) Chlorobenzene-d5	9.514	117	44659	5.00	ug/L	0.00	
System Monitoring Compounds							
13) 1,2-Dichloroethane-d4	6.045	65	28702	5.15	ug/L	0.00	
Spiked Amount	5.000	Range 74 - 125	Recovery	=	103.00%		
19) Toluene-d8	7.951	98	48424	4.91	ug/L	0.00	
Spiked Amount	5.000	Range 88 - 111	Recovery	=	98.20%		
Target Compounds							
							Qvalue
2) Vinyl Chloride	2.065	62	18626	12.99	ug/L		99
3) Chloromethane	1.977	50	23273	12.15	ug/L		98
4) 1,1-Dichloroethene	3.152	61	18701	9.81	ug/L		93
5) Methylene Chloride	3.718	49	43095	22.10	ug/L		87
6) trans-1,2-Dichloroethene	3.888	61	16256	10.21	ug/L		91
7) 1,1-Dichloroethane	4.487	63	22054	10.32	ug/L		100
8) cis-1,2-Dichloroethene	5.042	96	9456	10.13	ug/L		99
9) Chloroform	5.303	83	21652	10.18	ug/L		98
10) Carbon Tetrachloride	5.466	117	8952	9.23	ug/L		99
11) 1,1,1-Trichloroethane	5.527	97	13715	9.94	ug/L		100
12) Benzene	5.915	78	35812	10.34	ug/L		99
14) 1,2-Dichloroethane	6.116	62	17209	10.52	ug/L		97
15) Trichloroethene	6.531	95	9909	10.17	ug/L		99
16) 1,2-Dichloropropane	7.053	63	11014	10.08	ug/L		98
17) cis-1,3-Dichloropropene	7.769	75	9142	10.57	ug/L		99
20) trans-1,3-Dichloropropene	8.424	75	9132	10.28	ug/L		96
21) Tetrachloroethene	8.407	166	10174	10.12	ug/L #		96
22) 1,4-Dichlorobenzene	11.906	146	22639	9.92	ug/L		98
23) 1,2-Dibromo-3-Chloropr...	13.176	75	1171	6.26	ug/L		99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

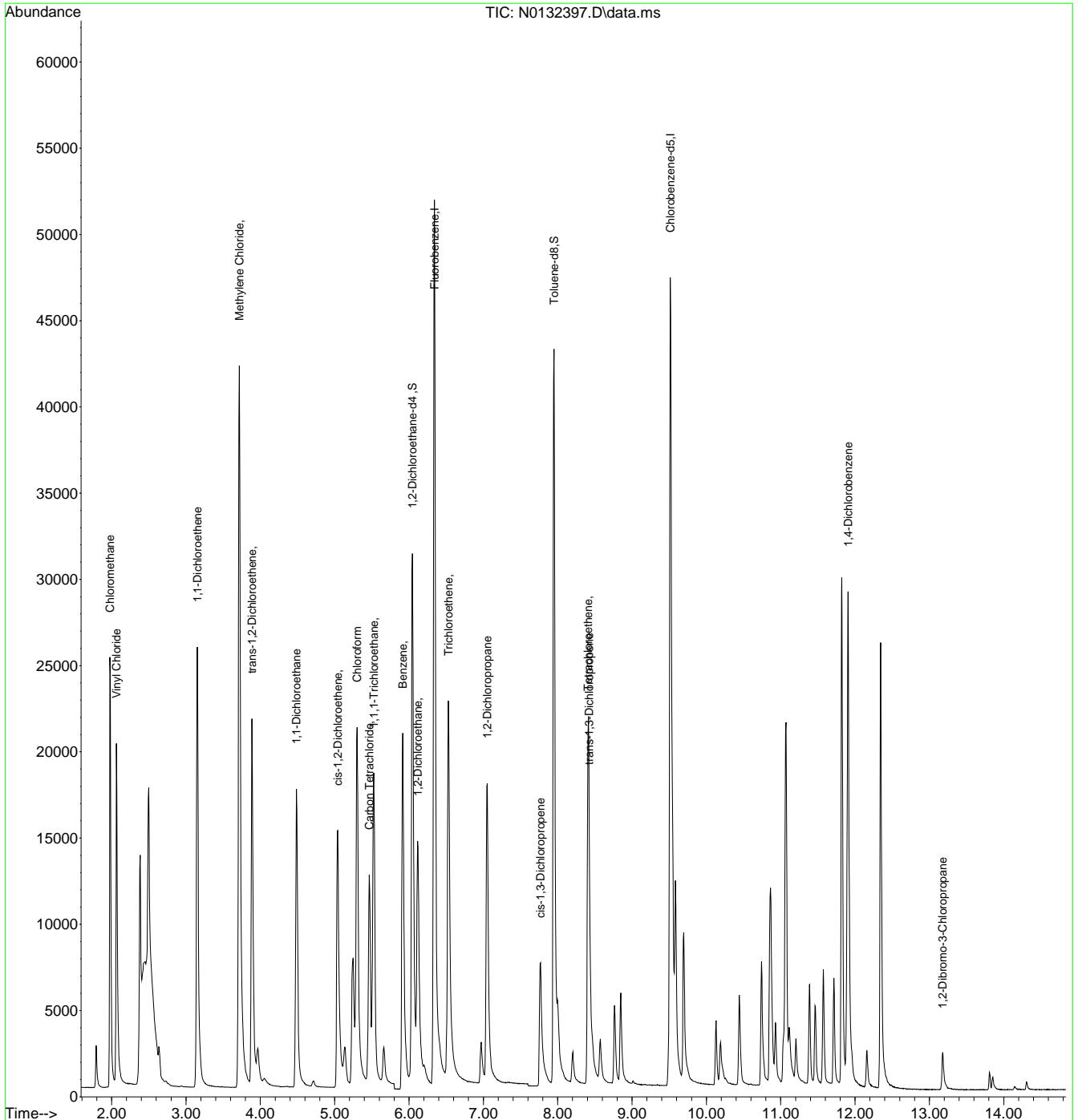
7.6.10
7



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\08-30-24\
 Data File : N0132397.D
 Acq On : 30 Aug 2024 5:39 pm
 Operator : jeniferw
 Sample : ECC6705-5
 Misc : MS57392,VN6712,,,,,
 ALS Vial : 28 Sample Multiplier: 1

Quant Time: Sep 03 05:51:28 2024
 Quant Method : C:\msdchem\1\methods\SIMCL_VN6705_082024.M
 Quant Title : Standard Methods 6200B
 QLast Update : Tue Aug 20 14:01:28 2024
 Response via : Initial Calibration



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

e-Hardcopy 2.0
Automated Report

Technical Report for

Ahtna Global, LLC

Fort Ord Groundwater Monitoring

SGS Job Number: FC18680

Sampling Date: 09/09/24



Report to:

Ahtna Global, LLC
9699 Blue Larkspur Lane Suite 203
Monterey, CA 93940
dlieberman@ahntna.net; mfisher@ahntna.net;
hdillon@ahntna.net; eschmidt@ahntna.net;
ATTN: Derek Lieberman

Total number of pages in report: 77



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

Norm Farmer
Technical Director

Client Service contact: Elvin Kumar 407-425-6700

Certifications: FL(E83510), LA(03051), KS(E-10327), NC(573), NJ(FL002), NY(12022), SC(96038001)

DoD ELAP(ANAB L2229), AZ(AZ0806), CA(2937), TX(T104704404), PA(68-03573), VA(460177),

AL, AK, AR, CT, IA, KY, MA, MI, MS, ND, NH, NV, OK, OR, IL, UT, VT, WA, WI, WV

This report shall not be reproduced, except in its entirety, without the written approval of SGS.

Test results relate only to samples analyzed.

Table of Contents

-1-

Section 1: Sample Summary	3
Section 2: Case Narrative/Conformance Summary	4
Section 3: Summary of Hits	5
Section 4: Sample Results	6
4.1: FC18680-1: 2437Z0BW223A	7
4.2: FC18680-2: 2437Z0BW206C	8
4.3: FC18680-3: 2437YOU2127F	9
Section 5: Misc. Forms	10
5.1: Chain of Custody	11
5.2: QC Evaluation: DOD QSM5.x Limits	13
Section 6: MS Volatiles - QC Data Summaries	14
6.1: Method Blank Summary	15
6.2: Blank Spike Summary	16
6.3: Matrix Spike/Matrix Spike Duplicate Summary	17
6.4: Instrument Performance Checks (BFB)	18
6.5: Internal Standard Area Summaries	19
6.6: Surrogate Recovery Summaries	20
6.7: Initial and Continuing Calibration Summaries	21
6.8: Run Sequence Reports	27
Section 7: MS Volatiles - Raw Data	28
7.1: Samples	29
7.2: Method Blanks	43
7.3: Blank Spikes	46
7.4: Matrix Spike/Matrix Spike Duplicates	48
7.5: Instrument Performance Checks (BFB)	52
7.6: Initial and Continuing Calibrations	53
7.7: Instrument Run Logs	77

1

2

3

4

5

6

7



Sample Summary

Ahtna Global, LLC

Job No: FC18680

Fort Ord Groundwater Monitoring

Sample Number	Collected		Received	Matrix		Client Sample ID
	Date	Time By		Code	Type	
FC18680-1	09/09/24	09:30	09/10/24	AQ	Trip Blank Water	2437Z0BW223A
FC18680-2	09/09/24	09:32	09/10/24	AQ	Ground Water	2437Z0BW206C
FC18680-3	09/09/24	09:40	09/10/24	AQ	Ground Water	2437YOU2127F

SAMPLE DELIVERY GROUP CASE NARRATIVE

2

Client: Ahtna Global, LLC

Job No: FC18680

Site: Fort Ord Groundwater Monitoring

Report Date 9/19/2024 10:08:14

On 09/10/2024, 2 Sample(s), 1 Trip Blank(s), 0 Equip. Blank(s) and 0 Field Blank(s) were received at SGS North America Inc - Orlando. at a maximum corrected temperature of 2 C. Samples were intact and chemically preserved, unless noted below. A SGS North America Inc. - Orlando Job Number of FC18680 was assigned to the project.

Laboratory sample ID, client sample ID and dates of sample collection are detailed in the report's Results Summary Section. Specified quality control criteria were achieved for this job except as noted below. For more information, please refer to the analytical results and QC summary pages.

MS Volatiles By Method SW846 8260D BY SIM

Matrix: AQ

Batch ID: VZ3090

Sample(s) FC18679-1MS, FC18679-1MSD were used as the QC samples indicated.

SGS North America Inc. - Orlando certifies that data reported for samples received, listed on the associated custody chain or analytical task order, were produced to specifications meeting the Quality System precision, accuracy and completeness objectives except as noted. Estimated non-standard method measurement uncertainty data is available on request, based on quality control bias and implicit for standard methods. Acceptable uncertainty requires tested parameter quality control data to meet method criteria. SGS North America Inc.- Orlando is not responsible for data quality assumptions if partial reports are used and recommends that this report be used in its entirety.

Narrative prepared by:

Kim Benham, Report Generation (signature on file)

Summary of Hits

Job Number: FC18680
Account: Ahtna Global, LLC
Project: Fort Ord Groundwater Monitoring
Collected: 09/09/24



Lab Sample ID	Client Sample ID	Result/ Qual	LOQ	LOD	Units	Method
---------------	------------------	-----------------	-----	-----	-------	--------

FC18680-1 **2437Z0BW223A**

No hits reported in this sample.

FC18680-2 **2437Z0BW206C**

No hits reported in this sample.

FC18680-3 **2437YOU2127F**

Trichloroethylene	3.2	0.50	0.25	ug/l	SW846 8260D BY SIM
-------------------	-----	------	------	------	--------------------

Sample Results

Report of Analysis

SGS North America Inc.

Report of Analysis

Page 1 of 1

Client Sample ID:	2437Z0BW223A	
Lab Sample ID:	FC18680-1	Date Sampled: 09/09/24
Matrix:	AQ - Trip Blank Water	Date Received: 09/10/24
Method:	SW846 8260D BY SIM	Percent Solids: n/a
Project:	Fort Ord Groundwater Monitoring	

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	Z76760.D	1	09/17/24 15:38	SS	n/a	n/a	VZ3090
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA Special List

CAS No.	Compound	Result	LOQ	LOD	DL	Units	Q
56-23-5	Carbon Tetrachloride	0.25 U	0.50	0.25	0.10	ug/l	
107-06-2	1,2-Dichloroethane	0.25 U	0.50	0.25	0.10	ug/l	
79-01-6	Trichloroethylene	0.25 U	0.50	0.25	0.10	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
17060-07-0	1,2-Dichloroethane-D4	104%		74-125%
2037-26-5	Toluene-D8	101%		88-111%

U = Not detected

LOD = Limit of Detection

J = Indicates an estimated value

LOQ = Limit of Quantitation

DL = Detection Limit

B = Indicates analyte found in associated method blank

E = Indicates value exceeds calibration range

N = Indicates presumptive evidence of a compound

SGS North America Inc.

Report of Analysis

Page 1 of 1

Client Sample ID: 2437Z0BW206C	Date Sampled: 09/09/24
Lab Sample ID: FC18680-2	Date Received: 09/10/24
Matrix: AQ - Ground Water	Percent Solids: n/a
Method: SW846 8260D BY SIM	
Project: Fort Ord Groundwater Monitoring	

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	Z76762.D	1	09/17/24 16:24	SS	n/a	n/a	VZ3090
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA Special List

CAS No.	Compound	Result	LOQ	LOD	DL	Units	Q
56-23-5	Carbon Tetrachloride	0.25 U	0.50	0.25	0.10	ug/l	
107-06-2	1,2-Dichloroethane	0.25 U	0.50	0.25	0.10	ug/l	
79-01-6	Trichloroethylene	0.25 U	0.50	0.25	0.10	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
17060-07-0	1,2-Dichloroethane-D4	107%		74-125%
2037-26-5	Toluene-D8	101%		88-111%

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

4.2
4

SGS North America Inc.

Report of Analysis

Page 1 of 1

Client Sample ID: 2437YOU2127F	
Lab Sample ID: FC18680-3	Date Sampled: 09/09/24
Matrix: AQ - Ground Water	Date Received: 09/10/24
Method: SW846 8260D BY SIM	Percent Solids: n/a
Project: Fort Ord Groundwater Monitoring	

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	Z76763.D	1	09/17/24 16:47	SS	n/a	n/a	VZ3090
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA Special List

CAS No.	Compound	Result	LOQ	LOD	DL	Units	Q
56-23-5	Carbon Tetrachloride	0.25 U	0.50	0.25	0.10	ug/l	
107-06-2	1,2-Dichloroethane	0.25 U	0.50	0.25	0.10	ug/l	
79-01-6	Trichloroethylene	3.2	0.50	0.25	0.10	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
17060-07-0	1,2-Dichloroethane-D4	106%		74-125%
2037-26-5	Toluene-D8	102%		88-111%

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



4.3
4

Misc. Forms

Custody Documents and Other Forms

Includes the following where applicable:

- Chain of Custody
- QC Evaluation: DOD QSM5.x Limits

Chain-of-Custody / Analytical Request Document

Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed and accurate

Cooler No.:		of	
COC No: 20240909_OUCTP-Lower_Team4			
Task Desc: FFO2024Q3_Team1234			

Lab Name: SGS North America Inc. - Orlando Lab Address:	Site ID #: FFORD Project #: 21187.001.01.0000	Sampler: 1741465 Sampling Company: AHTNA Address: 9699 Blue Larkspur Suite 201 Sampling Company Phone: (831)402-0727 Sampling Team Number: 4	Filtered Preserve Analysis																																																																																							
Lab PM: Elvin Kumar Lab Phone/Fax: (407) 425-6700 Lab PM Email:	Site Address: MARINA, CA Site PM Name: Derek Lieberman Site Phone/Fax: (831)402-0727 Site PM Email: dlieberman@ahtna.net	Reimbursable Project? Send EDD/Hard Copy To: Derek Lieberman	HCL SW6260D																																																																																							
Applicable Lab Quote: 10 Business Days																																																																																										
<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>Items No.</th> <th>Sample ID</th> <th>Sample Location</th> <th>Matrix</th> <th>Depth</th> <th>G-Grab Containing</th> <th>Sample Type</th> <th>Sample Date Time</th> <th># of Containers</th> <th>Comments Lab I.D.</th> <th></th> <th></th> <th></th> <th></th> <th></th> <th></th> <th></th> <th></th> <th></th> <th></th> <th></th> </tr> </thead> <tbody> <tr> <td>①</td> <td>2437Z0BW223A</td> <td></td> <td>WQ</td> <td></td> <td>G</td> <td>TB1</td> <td>09/09/2024 09:30</td> <td>2</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>X</td> </tr> <tr> <td>②</td> <td>2437Z0BW206C</td> <td></td> <td>WQ</td> <td></td> <td>G</td> <td>FB1</td> <td>09/09/2024 09:32</td> <td>3</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>X</td> </tr> <tr> <td>③</td> <td>2437YOU2127F</td> <td></td> <td>WG</td> <td>355 - 355 ft bloc</td> <td>G</td> <td>NS1</td> <td>09/09/2024 09:40</td> <td>3</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>X</td> </tr> </tbody> </table>				Items No.	Sample ID	Sample Location	Matrix	Depth	G-Grab Containing	Sample Type	Sample Date Time	# of Containers	Comments Lab I.D.												①	2437Z0BW223A		WQ		G	TB1	09/09/2024 09:30	2													X	②	2437Z0BW206C		WQ		G	FB1	09/09/2024 09:32	3													X	③	2437YOU2127F		WG	355 - 355 ft bloc	G	NS1	09/09/2024 09:40	3													X
Items No.	Sample ID	Sample Location	Matrix	Depth	G-Grab Containing	Sample Type	Sample Date Time	# of Containers	Comments Lab I.D.																																																																																	
①	2437Z0BW223A		WQ		G	TB1	09/09/2024 09:30	2													X																																																																					
②	2437Z0BW206C		WQ		G	FB1	09/09/2024 09:32	3													X																																																																					
③	2437YOU2127F		WG	355 - 355 ft bloc	G	NS1	09/09/2024 09:40	3													X																																																																					

INITIAL ASSESSMENT TH 2.2
 LABEL VERIFICATION TH 1/24

Sample Reason:	RELINQUISHED BY / AFFILIATION	Date Time	ACCEPTED BY / AFFILIATION	Date Time	Sample Receipt Conditions
Additional Comments/Special Instructions: OUCTP - Lower	<i>[Signature]</i>	9/8/24 11:00	<i>[Signature]</i>		<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Yes <input type="checkbox"/> No
			<i>[Signature]</i>	09/10/24 930	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Yes <input type="checkbox"/> No
					<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Yes <input type="checkbox"/> No
					<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Yes <input type="checkbox"/> No
	SHIPPING METHOD: (mark as appropriate)		SAMPLER NAME AND SIGNATURE		Date Time
					Temperature in °C Sample on Ice? Sample Intact? Trip Blank?



SGS - Orlando Sample Receipt Summary

Job Number: fc18680

Client: AHTNA

Project: OUCTP-Lower FFO2024Q3

Date / Time Received: 9/10/2024 9:30:00 AM

Delivery Method: FedEx

Airbill #s: 778466982164

Cooler Temps (Raw Measured) °C: Cooler 1: (2.2);

Cooler Temps (Corrected) °C: Cooler 1: (2.0);

Cooler Informatio

Y or N

- 1. Custody Seals Present:
- 2. Custody Seals Intact:
- 3. Temp criteria achieved:
- 4. Cooler temp verification: IR Gun
- 5. Cooler media: Ice (Bag)

Trip Blank Information

Y or N N/A

- 1. Trip Blank present / cooler:
- 2. Trip Blank listed on COC:

W or S N/A

- 3. Type of TB Received

Sample Information

Y or N N/A

- 1. Sample labels present on bottles:
- 2. Samples presented properly:
- 3. Sufficient volume/containers recv'd for analysi:
- 4. Condition of sample: Intact
- 5. Sample recv'd within HT:
- 6. Dates/Times/IDs on COC match sample labe:
- 7. VOCs have headspace:
- 8. Bottles received for unspecified tests:
- 9. Compositing instructions clear:
- 10. Voa Soil Kits/Jars received past 48hrs?:
- 11. % Solids Jar Received?:
- 12. Residual Chlorine Present?:

Misc Information

Number of Encores: 25 Gram 5 Gram Number of Lab Filtered Metals
 Test Strip Lot #: pH 0-3: 226422 pH 10-12: _____ Other: (Specify) pH 1.0 - 12.0 222221
 Residual Chlorine Test Strip Lot: _____

Comments

Sample Receipt Summary 112723 EK Technician: SHAYLAP Date: 9/10/2024 2:50:06 PM Reviewer: TH Date: 09/10/24

5.1
5

QC Evaluation: DOD QSM5.x Limits

Job Number: FC18680
Account: Ahtna Global, LLC
Project: Fort Ord Groundwater Monitoring
Collected: 09/09/24

QC Sample ID	CAS#	Analyte	Sample Type	Result Type	Result	Units	Limits
VZ3090	SW846 8260D BY SIM						
VZ3090-BS	56-23-5	Carbon Tetrachloride	BSP	REC	96	%	72-136
VZ3090-BS	107-06-2	1,2-Dichloroethane	BSP	REC	104	%	73-128
VZ3090-BS	79-01-6	Trichloroethylene	BSP	REC	98	%	79-123
VZ3090-BS	17060-07-0	1,2-Dichloroethane-D4	BSP	SURR	102	%	81-118
VZ3090-BS	2037-26-5	Toluene-D8	BSP	SURR	100	%	89-112
FC18679-1MS*	56-23-5	Carbon Tetrachloride	MS	REC	101	%	72-136
FC18679-1MS*	107-06-2	1,2-Dichloroethane	MS	REC	106	%	73-128
FC18679-1MS*	79-01-6	Trichloroethylene	MS	REC	104	%	79-123
FC18679-1MS*	17060-07-0	1,2-Dichloroethane-D4	MS	SURR	110	%	81-118
FC18679-1MS*	2037-26-5	Toluene-D8	MS	SURR	100	%	89-112
FC18679-1MSD*	56-23-5	Carbon Tetrachloride	MSD	REC	101	%	72-136
FC18679-1MSD*	56-23-5	Carbon Tetrachloride	MSD	RPD	0	%	20
FC18679-1MSD*	107-06-2	1,2-Dichloroethane	MSD	REC	106	%	73-128
FC18679-1MSD*	107-06-2	1,2-Dichloroethane	MSD	RPD	0	%	20
FC18679-1MSD*	79-01-6	Trichloroethylene	MSD	REC	105	%	79-123
FC18679-1MSD*	79-01-6	Trichloroethylene	MSD	RPD	1	%	20
FC18679-1MSD*	17060-07-0	1,2-Dichloroethane-D4	MSD	SURR	106	%	81-118
FC18679-1MSD*	2037-26-5	Toluene-D8	MSD	SURR	101	%	89-112
VZ3090-MB	17060-07-0	1,2-Dichloroethane-D4	MB	SURR	105	%	81-118
VZ3090-MB	2037-26-5	Toluene-D8	MB	SURR	101	%	89-112
FC18680-1	17060-07-0	1,2-Dichloroethane-D4	SAMP	SURR	104	%	81-118
FC18680-1	2037-26-5	Toluene-D8	SAMP	SURR	101	%	89-112
FC18680-2	17060-07-0	1,2-Dichloroethane-D4	SAMP	SURR	107	%	81-118
FC18680-2	2037-26-5	Toluene-D8	SAMP	SURR	101	%	89-112
FC18680-3	17060-07-0	1,2-Dichloroethane-D4	SAMP	SURR	106	%	81-118
FC18680-3	2037-26-5	Toluene-D8	SAMP	SURR	102	%	89-112

* Sample used for QC is not from job FC18680

MS Volatiles

QC Data Summaries

Includes the following where applicable:

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

Method Blank Summary

Job Number: FC18680
Account: AHTNACAS Ahtna Global, LLC
Project: Fort Ord Groundwater Monitoring

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VZ3090-MB	Z76758.D	1	09/17/24	SS	n/a	n/a	VZ3090

The QC reported here applies to the following samples:

Method: SW846 8260D BY SIM

FC18680-1, FC18680-2, FC18680-3

CAS No.	Compound	Result	RL	MDL	Units	Q
56-23-5	Carbon Tetrachloride	ND	0.50	0.10	ug/l	
107-06-2	1,2-Dichloroethane	ND	0.50	0.10	ug/l	
79-01-6	Trichloroethylene	ND	0.50	0.10	ug/l	

CAS No.	Surrogate Recoveries	Limits	
17060-07-0	1,2-Dichloroethane-D4	105%	74-125%
2037-26-5	Toluene-D8	101%	88-111%

Blank Spike Summary

Job Number: FC18680
Account: AHTNACAS Ahtna Global, LLC
Project: Fort Ord Groundwater Monitoring

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VZ3090-BS	Z76756.D	1	09/17/24	SS	n/a	n/a	VZ3090

The QC reported here applies to the following samples:

Method: SW846 8260D BY SIM

FC18680-1, FC18680-2, FC18680-3

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
56-23-5	Carbon Tetrachloride	5	4.8	96	76-136
107-06-2	1,2-Dichloroethane	5	5.2	104	75-125
79-01-6	Trichloroethylene	5	4.9	98	81-126

CAS No.	Surrogate Recoveries	BSP	Limits
17060-07-0	1,2-Dichloroethane-D4	102%	74-125%
2037-26-5	Toluene-D8	100%	88-111%

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: FC18680
Account: AHTNACAS Ahtna Global, LLC
Project: Fort Ord Groundwater Monitoring

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
FC18679-1MS	Z76764.D	10	09/17/24	SS	n/a	n/a	VZ3090
FC18679-1MSD	Z76765.D	10	09/17/24	SS	n/a	n/a	VZ3090
FC18679-1	Z76759.D	1	09/17/24	SS	n/a	n/a	VZ3090

The QC reported here applies to the following samples:

Method: SW846 8260D BY SIM

FC18680-1, FC18680-2, FC18680-3

CAS No.	Compound	FC18679-1 ug/l	Spike Q ug/l	MS ug/l	MS %	Spike ug/l	MSD ug/l	MSD %	RPD	Limits Rec/RPD
56-23-5	Carbon Tetrachloride	0.50 U	50	50.4	101	50	50.6	101	0	76-136/23
107-06-2	1,2-Dichloroethane	0.50 U	50	53.1	106	50	53.0	106	0	75-125/14
79-01-6	Trichloroethylene	0.50 U	50	52.1	104	50	52.4	105	1	81-126/15

CAS No.	Surrogate Recoveries	MS	MSD	FC18679-1	Limits
17060-07-0	1,2-Dichloroethane-D4	110%	106%	102%	74-125%
2037-26-5	Toluene-D8	100%	101%	101%	88-111%

* = Outside of Control Limits.

Instrument Performance Check (BFB)

Job Number: FC18680
Account: AHTNACAS Ahtna Global, LLC
Project: Fort Ord Groundwater Monitoring

Sample: VZ3090-BFB	Injection Date: 09/17/24
Lab File ID: Z76746.D	Injection Time: 09:48
Instrument ID: GCMSZ	

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance	Pass/Fail
95	Base peak, 100% relative abundance	160619	100.0	Pass
96	5.0 - 9.0% of mass 95	10686	6.65	Pass
173	Less than 2.0% of mass 174	739	0.46 (0.58) ^a	Pass
174	50.0 - 200.0% of mass 95	128312	79.9	Pass
175	5.0 - 9.0% of mass 174	9224	5.74 (7.19) ^a	Pass
176	95.0 - 105.0% of mass 174	125555	78.2 (97.9) ^a	Pass
177	5.0 - 10.0% of mass 176	8353	5.20 (6.65) ^b	Pass

(a) Value is % of mass 174

(b) Value is % of mass 176

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

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
VZ3090-IC3090	Z76747.D	09/17/24	10:14	00:26	Initial cal 1
VZ3090-IC3090	Z76748.D	09/17/24	10:37	00:49	Initial cal 2
VZ3090-IC3090	Z76749.D	09/17/24	11:00	01:12	Initial cal 3
VZ3090-IC3090	Z76750.D	09/17/24	11:22	01:34	Initial cal 4
VZ3090-ICC3090	Z76751.D	09/17/24	11:45	01:57	Initial cal 5
VZ3090-IC3090	Z76752.D	09/17/24	12:08	02:20	Initial cal 6
VZ3090-IC3090	Z76753.D	09/17/24	12:31	02:43	Initial cal 7
VZ3090-ICV3090	Z76755.D	09/17/24	13:17	03:29	Initial cal verification 5
VZ3090-BS	Z76756.D	09/17/24	13:59	04:11	Blank Spike
VZ3090-MB	Z76758.D	09/17/24	14:52	05:04	Method Blank
FC18679-1	Z76759.D	09/17/24	15:15	05:27	(used for QC only; not part of job FC18680)
FC18680-1	Z76760.D	09/17/24	15:38	05:50	2437Z0BW223A
ZZZZZZ	Z76761.D	09/17/24	16:01	06:13	(unrelated sample)
FC18680-2	Z76762.D	09/17/24	16:24	06:36	2437Z0BW206C
FC18680-3	Z76763.D	09/17/24	16:47	06:59	2437YOU2127F
FC18679-1MS	Z76764.D	09/17/24	17:10	07:22	Matrix Spike
FC18679-1MSD	Z76765.D	09/17/24	17:33	07:45	Matrix Spike Duplicate
VZ3090-ECC3090	Z76766.D	09/17/24	17:55	08:07	Ending cal 5

Internal Standard Area Summary

Job Number: FC18680
Account: AHTNACAS Ahtna Global, LLC
Project: Fort Ord Groundwater Monitoring

Check Std: VZ3090-ICC3090	Injection Date: 09/17/24
Lab File ID: Z76751.D	Injection Time: 11:45
Instrument ID: GCMSZ	Method: SW846 8260D BY SIM

	IS 1 AREA	RT	IS 2 AREA	RT
Initial Cal ^a	20026	7.89	23941	10.97
Check Std ^b	20026	7.89	23941	10.97
Upper Limit ^c	40052	8.06	47882	11.14
Lower Limit ^d	10013	7.72	11971	10.80

Lab Sample ID	IS 1 AREA	RT	IS 2 AREA	RT
VZ3090-BS	19033	7.89	24335	10.97
VZ3090-MB	18272	7.89	24122	10.98
FC18679-1	18378	7.89	24171	10.98
FC18680-1	17996	7.89	23692	10.98
ZZZZZZ	17609	7.89	23070	10.98
FC18680-2	17482	7.89	23125	10.98
FC18680-3	17568	7.89	23049	10.98
FC18679-1MS	17543	7.89	23135	10.98
FC18679-1MSD	17617	7.89	22948	10.98
VZ3090-ECC3090	18331	7.89	22828	10.98

IS 1 = Fluorobenzene
IS 2 = Chlorobenzene-D5

- (a) Initial Cal is: VZ3090-ICC3090 Z76751.D 09/17/24 11:45
- (b) Check Std Limit = -50 to + 100% of initial cal area.
- (c) Upper Limit = + 100% of check standard area; Retention time + 0.167 minutes.
- (d) Lower Limit = -50% of check standard area; Retention time -0.167 minutes.

6.5.1
6

Surrogate Recovery Summary

Job Number: FC18680
Account: AHTNACAS Ahtna Global, LLC
Project: Fort Ord Groundwater Monitoring

Method: SW846 8260D BY SIM **Matrix:** AQ

Samples and QC shown here apply to the above method

Lab Sample ID	Lab File ID	S1	S2
FC18680-1	Z76760.D	104	101
FC18680-2	Z76762.D	107	101
FC18680-3	Z76763.D	106	102
FC18679-1MS	Z76764.D	110	100
FC18679-1MSD	Z76765.D	106	101
VZ3090-BS	Z76756.D	102	100
VZ3090-MB	Z76758.D	105	101

Surrogate Compounds	Recovery Limits
----------------------------	------------------------

S1 = 1,2-Dichloroethane-D4	74-125%
S2 = Toluene-D8	88-111%

6.6.1
6

Initial Calibration Summary

Job Number: FC18680
Account: AHTNACAS Ahtna Global, LLC
Project: Fort Ord Groundwater Monitoring

Sample: VZ3090-ICC3090
Lab FileID: Z76751.D

Response Factor Report MSVOA15-Z

Method : C:\msdchem\1\met...MCL-09-17-2024.M (RTE Integrator)
 Title : SW-846 Method 5030/8260D SIM
 Last Update : Tue Sep 17 13:29:24 2024
 Response via : Initial Calibration

Calibration Files

1 =Z76747.D 2 =Z76748.D 3 =Z76749.D 4 =Z76750.D
 5 =Z76751.D 6 =Z76752.D 7 =Z76753.D

Compound	1	2	3	4	5	6	7	Avg	%RSD
1) I Fluorobenzene	-----ISTD-----								
2) Vinyl Chloride	1.149	1.062	0.555	0.512	0.482	0.465	0.445	0.667	45.35
	---- Quadratic regr., Force(0,0) ---- Coefficient = 0.9994								
	Response Ratio = 0.00000 + 0.53127 *A + -0.02183 *A^2								
3) Chloromethane	1.157	1.158	0.622	0.567	0.526	0.507	0.481	0.717	42.45
	---- Quadratic regr., Force(0,0) ---- Coefficient = 0.9994								
	Response Ratio = 0.00000 + 0.58852 *A + -0.02714 *A^2								
4) 1,1-Dichloroethen	0.847	0.998	0.759	0.713	0.729	0.608	0.632	0.755	17.67
	---- Quadratic regr., Force(0,0) ---- Coefficient = 0.9950								
	Response Ratio = 0.00000 + 0.74658 *A + -0.03172 *A^2								
5) Methylene Chlorid	1.358	0.267	0.144	0.090	0.074	0.067	0.064	0.295	E1 160.86
	---- Quadratic regr., Force(0,0) ---- Coefficient = 0.9914								
	Response Ratio = 0.00000 + 0.92787 *A + -0.07593 *A^2								
6) trans-1,2-Dichlor	0.792	0.929	0.728	0.666	0.680	0.586	0.598	0.711	16.78
	---- Quadratic regr., Force(0,0) ---- Coefficient = 0.9970								
	Response Ratio = 0.00000 + 0.70232 *A + -0.02826 *A^2								
7) 1,1-Dichloroethan	0.981	1.241	0.975	0.883	0.885	0.777	0.783	0.932	16.99
	---- Quadratic regr., Force(0,0) ---- Coefficient = 0.9979								
	Response Ratio = 0.00000 + 0.92761 *A + -0.03860 *A^2								
8) cis-1,2-Dichloroe	0.603	0.740	0.587	0.529	0.530	0.474	0.474	0.562	16.50
	---- Quadratic regr., Force(0,0) ---- Coefficient = 0.9986								
	Response Ratio = 0.00000 + 0.55554 *A + -0.02153 *A^2								
9) Chloroform	2.374	1.606	1.096	0.951	0.935	0.828	0.828	1.231	46.37
	---- Quadratic regr., Force(0,0) ---- Coefficient = 0.9983								
	Response Ratio = 0.00000 + 0.99784 *A + -0.04518 *A^2								
10) Carbon Tetrachlor	2.193	0.914	0.664	0.630	0.667	0.563	0.596	0.889	65.88
	---- Quadratic regr., Force(0,0) ---- Coefficient = 0.9955								
	Response Ratio = 0.00000 + 0.70643 *A + -0.03297 *A^2								
11) 1,1,1-Trichloroet	1.301	1.121	0.828	0.780	0.805	0.686	0.709	0.890	25.94
	---- Quadratic regr., Force(0,0) ---- Coefficient = 0.9962								
	Response Ratio = 0.00000 + 0.81953 *A + -0.03059 *A^2								
12) Benzene	1.915	2.157	1.691	1.578	1.677	1.535	1.594	1.735	12.89
	---- Quadratic regr., Force(0,0) ---- Coefficient = 0.9983								
	Response Ratio = 0.00000 + 1.68733 *A + -0.03003 *A^2								
13)S 1,2-Dichloroethan	0.321	0.350	0.356	0.335	0.317	0.317	0.304	0.329	5.78

6.7.1
6



Initial Calibration Summary

Job Number: FC18680
Account: AHTNACAS Ahtna Global, LLC
Project: Fort Ord Groundwater Monitoring

Sample: VZ3090-ICC3090
Lab FileID: Z76751.D

14)	1,2-Dichloroethan	0.624	0.890	0.702	0.641	0.638	0.593	0.578	0.667	15.92
	---- Quadratic regr., Force(0,0) ----	Coefficient = 0.9996								
		Response Ratio = 0.00000 + 0.67896 *A + -0.02584 *A^2								
15)	Trichloroethene	0.488	0.554	0.435	0.414	0.455	0.414	0.438	0.457	10.88
16)	1,2-Dichloropropa	0.420	0.548	0.457	0.433	0.462	0.434	0.440	0.456	9.44
17)	cis-1,3-Dichlorop	0.640	0.834	0.674	0.637	0.680	0.655	0.668	0.684	9.98
18)	I Chlorobenzene-d5	-----ISTD-----								
19)S	Toluene-d8	0.976	0.975	0.975	0.969	0.984	0.983	0.990	0.979	0.73
20)	trans-1,3-Dichlor	0.464	0.602	0.477	0.462	0.510	0.505	0.527	0.507	9.59
21)	Tetrachloroethene	0.404	0.473	0.361	0.342	0.376	0.329	0.352	0.377	13.01
	---- Quadratic regr., Force(0,0) ----	Coefficient = 0.9962								
		Response Ratio = 0.00000 + 0.35452 *A + -0.00193 *A^2								
22)	1,4-Dichlorobenze	0.761	1.038	0.861	0.818	0.881	0.828	0.842	0.861	10.04
23)	1,2-Dibromo-3-Chl	0.208	0.179	0.101	0.098	0.104	0.099	0.099	0.127	36.72
	---- Quadratic regr., Force(0,0) ----	Coefficient = 0.9992								
		Response Ratio = 0.00000 + 0.10293 *A + -0.00102 *A^2								

(#) = Out of Range

SIMCL-09-17-2024.M

Wed Sep 18 08:45:06 2024

Initial Calibration Verification

Job Number: FC18680
Account: AHTNACAS Ahtna Global, LLC
Project: Fort Ord Groundwater Monitoring

Sample: VZ3090-ICV3090
Lab FileID: Z76755.D

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\data\091724\Z76755.D
 Acq On : 17 Sep 2024 1:17 pm
 Sample : icv3090-5
 Misc : MS57418,VZ3090,,,,,
 MS Integration Params: micro.p
 Vial: 10
 Operator: samantha
 Inst : MSVOA15-Z
 Multiplr: 1.00

Method : C:\msdchem\1\met...MCL-09-17-2024.M (RTE Integrator)
 Title : SW-846 Method 5030/8260D SIM
 Last Update : Tue Sep 17 13:29:24 2024
 Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1 I	Fluorobenzene	1.000	1.000	0.0	101	0.00	7.89
----- Amount		Calc.	%Drift	-----			
2	Vinyl Chloride	10.000	9.256	7.4	96	0.01	3.18
3	Chloromethane	10.000	9.302	7.0	97	0.02	3.12
4	1,1-Dichloroethene	10.000	9.914	0.9	94	0.00	4.56
5	Methylene Chloride	10.000	10.008	-0.1	107	0.00	5.21
6	trans-1,2-Dichloroethene	10.000	10.018	-0.2	97	0.00	5.38
7	1,1-Dichloroethane	10.000	9.840	1.6	96	0.01	6.06
8	cis-1,2-Dichloroethene	10.000	9.937	0.6	98	0.01	6.62
9	Chloroform	10.000	9.876	1.2	97	0.00	6.88
10	Carbon Tetrachloride	10.000	9.633	3.7	94	0.00	7.05
11	1,1,1-Trichloroethane	10.000	10.208	-2.1	97	0.00	7.12
12	Benzene	10.000	9.944	0.6	98	0.00	7.49
----- AvgRF		CCRF	%Dev	-----			
13 S	1,2-Dichloroethane-d4	0.329	0.327	0.6	104	0.00	7.62
----- Amount		Calc.	%Drift	-----			
14	1,2-Dichloroethane	10.000	10.194	-1.9	101	0.00	7.69
----- AvgRF		CCRF	%Dev	-----			
15	Trichloroethene	0.457	0.444	2.8	99	0.00	8.06
16	1,2-Dichloropropane	0.456	0.457	-0.2	100	0.00	8.58
17	cis-1,3-Dichloropropene	0.684	0.640	6.4	96	0.00	9.24
18 I	Chlorobenzene-d5	1.000	1.000	0.0	104	0.00	10.98
19 S	Toluene-d8	0.979	0.984	-0.5	104	0.00	9.43
20	trans-1,3-Dichloropropene	0.507	0.434	14.4	88	0.00	9.87
----- Amount		Calc.	%Drift	-----			
21	Tetrachloroethene	10.000	9.943	0.6	96	0.00	9.87
----- AvgRF		CCRF	%Dev	-----			
22	1,4-Dichlorobenzene	0.861	0.829	3.7	98	0.00	13.35
----- Amount		Calc.	%Drift	-----			
23	1,2-Dibromo-3-Chloropropa	10.000	9.641	3.6	97	0.00	14.52

(#) = Out of Range

SPCC's out = 0 CCC's out = 0

6.7.2
6

Initial Calibration Verification

Job Number: FC18680
Account: AHTNACAS Ahtna Global, LLC
Project: Fort Ord Groundwater Monitoring

Sample: VZ3090-ICV3090
Lab FileID: Z76755.D

Z76751.D SIMCL-09-17-2024.M

Tue Sep 17 14:02:54 2024

6.7.2

6

Continuing Calibration Summary

Job Number: FC18680
Account: AHTNACAS Ahtna Global, LLC
Project: Fort Ord Groundwater Monitoring

Sample: VZ3090-ECC3090
Lab FileID: Z76766.D

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\data\091724\Z76766.D
 Acq On : 17 Sep 2024 5:55 pm
 Sample : ecc3090-5
 Misc : MS57511,VZ3090,,,,,
 MS Integration Params: micro.p
 Vial: 21
 Operator: samantha
 Inst : MSVOA15-Z
 Multiplr: 1.00

Method : C:\msdchem\1\met...MCL-09-17-2024.M (RTE Integrator)
 Title : SW-846 Method 5030/8260D SIM
 Last Update : Tue Sep 17 13:29:24 2024
 Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 50% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1 I	Fluorobenzene	1.000	1.000	0.0	92	0.00	7.89
----- Amount Calc. %Drift -----							
2	Vinyl Chloride	10.000	14.937	-49.4	132	0.02	3.19
3	Chloromethane	10.000	14.313	-43.1	127	0.02	3.12
4	1,1-Dichloroethene	10.000	10.856	-8.6	92	0.00	4.56
5	Methylene Chloride	10.000	9.835	1.6	95	0.01	5.21
6	trans-1,2-Dichloroethene	10.000	10.666	-6.7	92	0.01	5.39
7	1,1-Dichloroethane	10.000	10.693	-6.9	93	0.01	6.06
8	cis-1,2-Dichloroethene	10.000	11.291	-12.9	99	0.01	6.62
9	Chloroform	10.000	10.407	-4.1	92	0.01	6.88
10	Carbon Tetrachloride	10.000	9.985	0.2	88	0.00	7.05
11	1,1,1-Trichloroethane	10.000	10.613	-6.1	91	0.00	7.12
12	Benzene	10.000	10.377	-3.8	92	0.00	7.49
----- AvgRF CCRF %Dev -----							
13 S	1,2-Dichloroethane-d4	0.329	0.344	-4.6	99	0.00	7.63
----- Amount Calc. %Drift -----							
14	1,2-Dichloroethane	10.000	10.556	-5.6	95	0.00	7.69
----- AvgRF CCRF %Dev -----							
15	Trichloroethene	0.457	0.451	1.3	91	0.00	8.06
16	1,2-Dichloropropane	0.456	0.466	-2.2	92	0.00	8.59
17	cis-1,3-Dichloropropene	0.684	0.667	2.5	90	0.00	9.24
18 I	Chlorobenzene-d5	1.000	1.000	0.0	95	0.00	10.98
19 S	Toluene-d8	0.979	0.983	-0.4	95	0.00	9.43
20	trans-1,3-Dichloropropene	0.507	0.483	4.7	90	0.00	9.87
----- Amount Calc. %Drift -----							
21	Tetrachloroethene	10.000	9.703	3.0	86	0.00	9.87
----- AvgRF CCRF %Dev -----							
22	1,4-Dichlorobenzene	0.861	0.823	4.4	89	0.00	13.35
----- Amount Calc. %Drift -----							
23	1,2-Dibromo-3-Chloropropa	10.000	9.533	4.7	89	0.00	14.52

(#) = Out of Range

SPCC's out = 0 CCC's out = 0



Continuing Calibration Summary

Job Number: FC18680
Account: AHTNACAS Ahtna Global, LLC
Project: Fort Ord Groundwater Monitoring

Sample: VZ3090-ECC3090
Lab FileID: Z76766.D

Z76751.D SIMCL-09-17-2024.M

Wed Sep 18 08:44:23 2024

Run Sequence Report

Job Number: FC18680
Account: AHTNACAS Ahtna Global, LLC
Project: Fort Ord Groundwater Monitoring

Run ID: VZ3090	Method: SW846 8260D BY SIM	Instrument ID: GCMSZ
-----------------------	-----------------------------------	-----------------------------

Lab Sample ID	Lab File ID	Date/Time Analyzed	Prep QC Batch	Client Sample ID
VZ3090-BFB	Z76746.D	09/17/24 09:48	n/a	BFB Tune
VZ3090-IC3090	Z76747.D	09/17/24 10:14	n/a	Initial cal 1
VZ3090-IC3090	Z76748.D	09/17/24 10:37	n/a	Initial cal 2
VZ3090-IC3090	Z76749.D	09/17/24 11:00	n/a	Initial cal 3
VZ3090-IC3090	Z76750.D	09/17/24 11:22	n/a	Initial cal 4
VZ3090-ICC3090	Z76751.D	09/17/24 11:45	n/a	Initial cal 5
VZ3090-IC3090	Z76752.D	09/17/24 12:08	n/a	Initial cal 6
VZ3090-IC3090	Z76753.D	09/17/24 12:31	n/a	Initial cal 7
VZ3090-ICV3090	Z76755.D	09/17/24 13:17	n/a	Initial cal verification 5
VZ3090-BS	Z76756.D	09/17/24 13:59	n/a	Blank Spike
VZ3090-MB	Z76758.D	09/17/24 14:52	n/a	Method Blank
FC18679-1	Z76759.D	09/17/24 15:15	n/a	(used for QC only; not part of job FC18680)
FC18680-1	Z76760.D	09/17/24 15:38	n/a	2437Z0BW223A
ZZZZZZ	Z76761.D	09/17/24 16:01	n/a	(unrelated sample)
FC18680-2	Z76762.D	09/17/24 16:24	n/a	2437Z0BW206C
FC18680-3	Z76763.D	09/17/24 16:47	n/a	2437YOU2127F
FC18679-1MS	Z76764.D	09/17/24 17:10	n/a	Matrix Spike
FC18679-1MSD	Z76765.D	09/17/24 17:33	n/a	Matrix Spike Duplicate
VZ3090-ECC3090	Z76766.D	09/17/24 17:55	n/a	Ending cal 5

MS Volatiles

Raw Data

7

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\091724\
Data File : Z76760.D
Acq On : 17 Sep 2024 3:38 pm
Operator : samantha
Sample : fc18680-1 Inst : MSVOA15-Z
Misc : MS57511,VZ3090,,,,,
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Sep 18 08:46:37 2024
Quant Method : C:\msdchem\1\methods\SIMCL-09-17-2024.M
Quant Title : SW-846 Method 5030/8260D SIM
QLast Update : Tue Sep 17 13:29:24 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Fluorobenzene	7.895	96	17996	5.00	ug/L	0.00
18) Chlorobenzene-d5	10.981	117	23692	5.00	ug/L	0.00
System Monitoring Compounds						
13) 1,2-Dichloroethane-d4	7.628	65	6162	5.21	ug/L	0.00
Spiked Amount	5.000	Range 74 - 125	Recovery	=	104.20%	
19) Toluene-d8	9.428	98	23414	5.05	ug/L	0.00
Spiked Amount	5.000	Range 88 - 111	Recovery	=	101.00%	
Target Compounds						
5) Methylene Chloride	5.213	49	542	0.16	ug/L	Qvalue 97

(#) = qualifier out of range (m) = manual integration (+) = signals summed

7.1.1
7

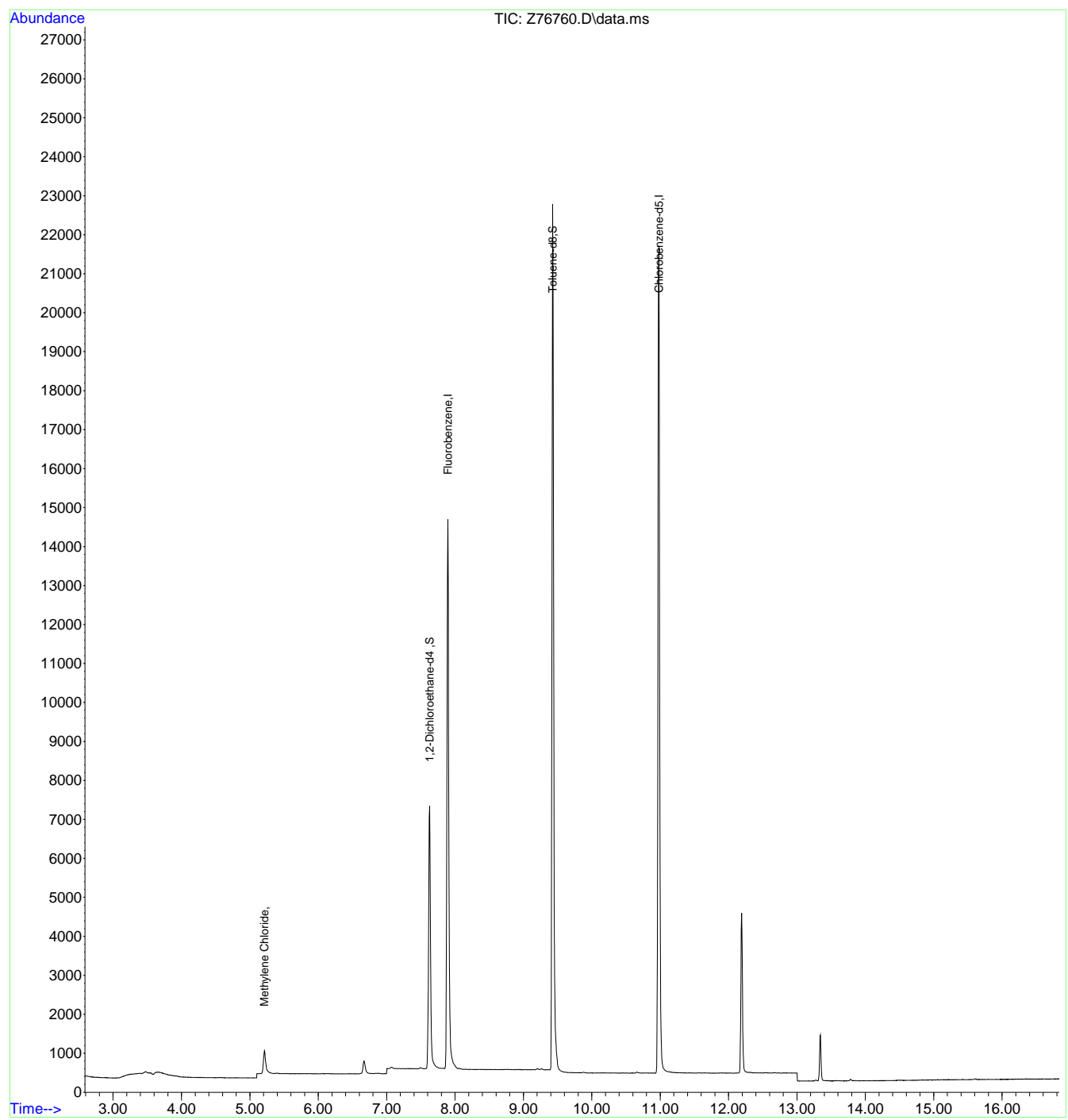


Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\091724\
Data File : Z76760.D
Acq On : 17 Sep 2024 3:38 pm
Operator : samantha
Sample : fc18680-1
Misc : MS57511,VZ3090,,,,,
ALS Vial : 15 Sample Multiplier: 1

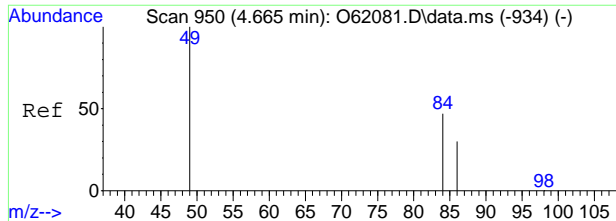
Inst : MSVOA15-Z

Quant Time: Sep 18 08:46:37 2024
Quant Method : C:\msdchem\1\methods\SIMCL-09-17-2024.M
Quant Title : SW-846 Method 5030/8260D SIM
QLast Update : Tue Sep 17 13:29:24 2024
Response via : Initial Calibration



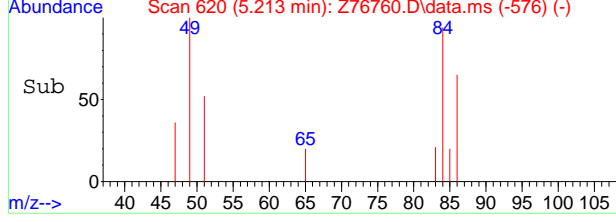
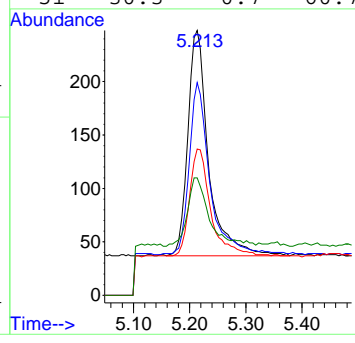
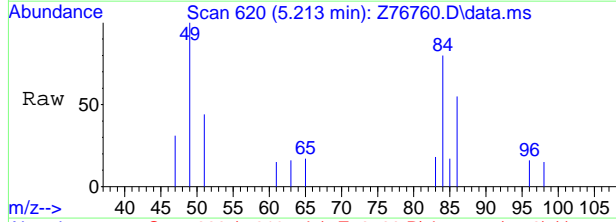
7.1.1
7





#5
 Methylene Chloride
 Concen: 0.16 ug/L
 RT: 5.213 min Scan# 620
 Delta R.T. 0.011 min
 Lab File: Z76760.D
 Acq: 17 Sep 2024 3:38 pm

Tgt Ion	Ratio	Lower	Upper
49	100		
84	75.8	47.9	107.9
86	47.4	20.9	80.9
51	30.3	0.7	60.7



7.1.1
7



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\091724\
Data File : Z76762.D
Acq On : 17 Sep 2024 4:24 pm
Operator : samantha
Sample : fc18680-2 Inst : MSVOA15-Z
Misc : MS57511,VZ3090,,,,,
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Sep 18 08:47:05 2024
Quant Method : C:\msdchem\1\methods\SIMCL-09-17-2024.M
Quant Title : SW-846 Method 5030/8260D SIM
QLast Update : Tue Sep 17 13:29:24 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Fluorobenzene	7.895	96	17482	5.00	ug/L	0.00
18) Chlorobenzene-d5	10.981	117	23125	5.00	ug/L	0.00
System Monitoring Compounds						
13) 1,2-Dichloroethane-d4	7.628	65	6158	5.36	ug/L	0.00
Spiked Amount	5.000	Range 74 - 125	Recovery	=	107.20%	
19) Toluene-d8	9.428	98	22813	5.04	ug/L	0.00
Spiked Amount	5.000	Range 88 - 111	Recovery	=	100.80%	
Target Compounds						
5) Methylene Chloride	5.208	49	520	0.16	ug/L	Qvalue 91

(#) = qualifier out of range (m) = manual integration (+) = signals summed

7.12
7

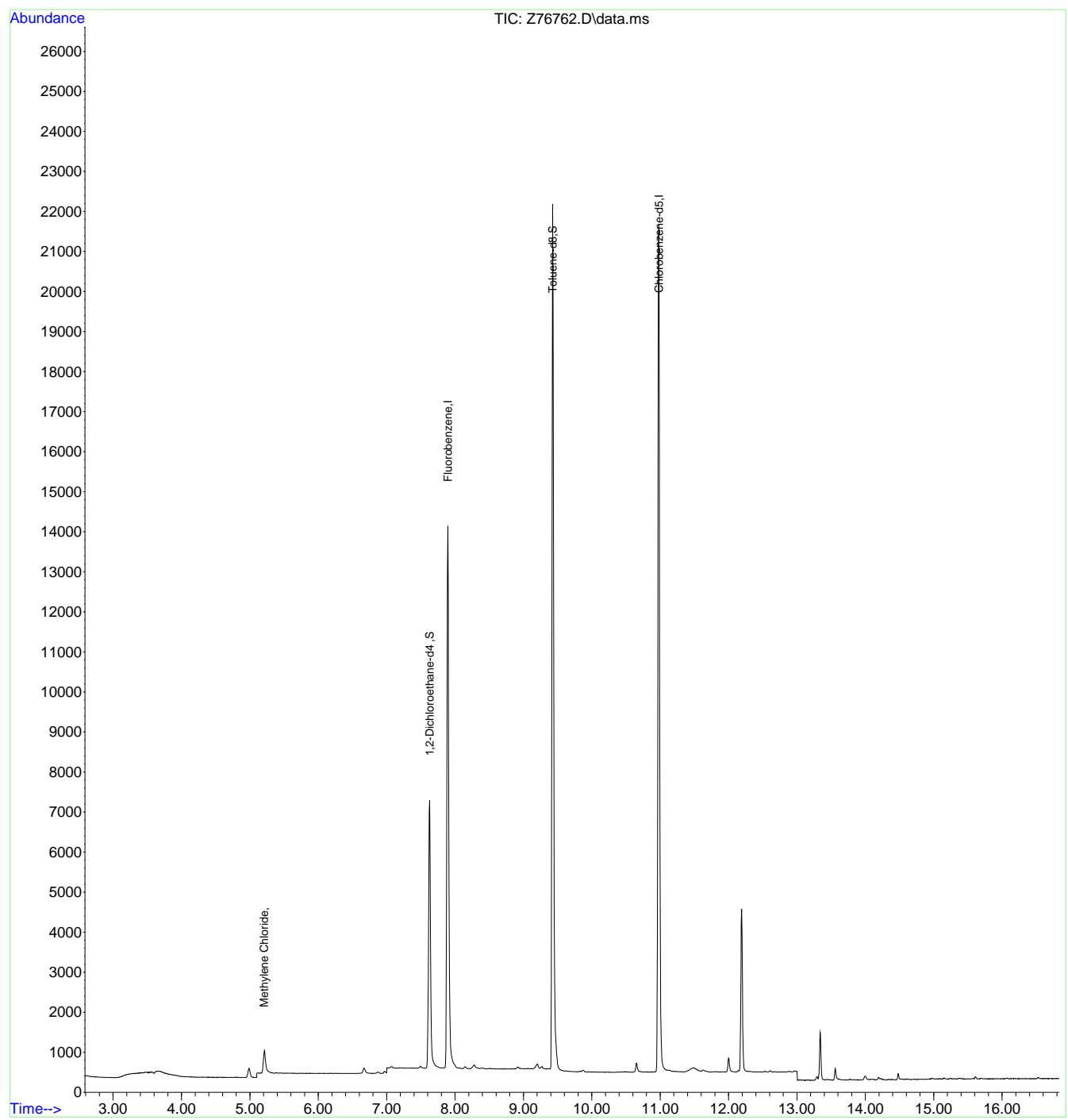


Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\091724\
Data File : Z76762.D
Acq On : 17 Sep 2024 4:24 pm
Operator : samantha
Sample : fc18680-2
Misc : MS57511,VZ3090,,,,,
ALS Vial : 17 Sample Multiplier: 1

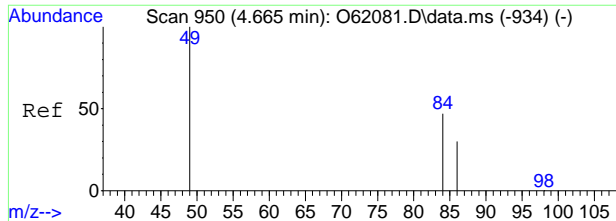
Inst : MSVOA15-Z

Quant Time: Sep 18 08:47:05 2024
Quant Method : C:\msdchem\1\methods\SIMCL-09-17-2024.M
Quant Title : SW-846 Method 5030/8260D SIM
QLast Update : Tue Sep 17 13:29:24 2024
Response via : Initial Calibration



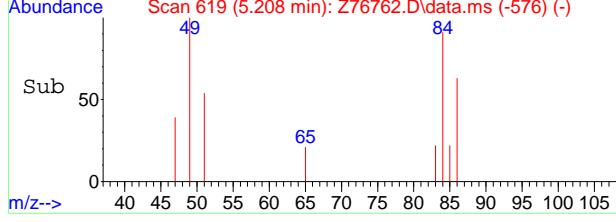
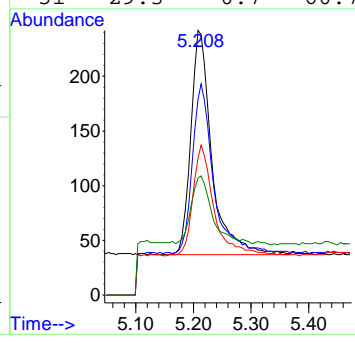
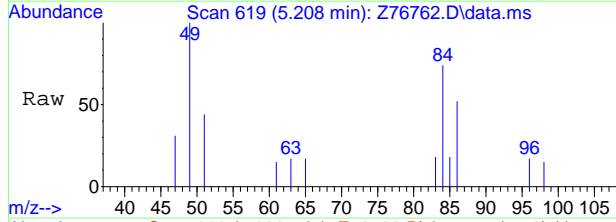
7.1.2
7





#5
 Methylene Chloride
 Concen: 0.16 ug/L
 RT: 5.208 min Scan# 619
 Delta R.T. 0.006 min
 Lab File: Z76762.D
 Acq: 17 Sep 2024 4:24 pm

Tgt Ion	Ratio	Lower	Upper
49	100		
84	68.3	47.9	107.9
86	43.4	20.9	80.9
51	29.3	0.7	60.7



7.1.2
7



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\091724\
Data File : Z76763.D
Acq On : 17 Sep 2024 4:47 pm
Operator : samantha
Sample : fc18680-3 Inst : MSVOA15-Z
Misc : MS57511,VZ3090,,,,,
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Sep 18 08:47:30 2024
Quant Method : C:\msdchem\1\methods\SIMCL-09-17-2024.M
Quant Title : SW-846 Method 5030/8260D SIM
QLast Update : Tue Sep 17 13:29:24 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Fluorobenzene	7.895	96	17568	5.00	ug/L	0.00
18) Chlorobenzene-d5	10.981	117	23049	5.00	ug/L	0.00
System Monitoring Compounds						
13) 1,2-Dichloroethane-d4	7.628	65	6099	5.28	ug/L	0.00
Spiked Amount	5.000	Range 74 - 125	Recovery	=	105.60%	
19) Toluene-d8	9.429	98	22985	5.09	ug/L	0.00
Spiked Amount	5.000	Range 88 - 111	Recovery	=	101.80%	
Target Compounds						
5) Methylene Chloride	5.213	49	516	0.16	ug/L	98
8) cis-1,2-Dichloroethene	6.625	96	457	0.23	ug/L	97
9) Chloroform	6.883	83	369m	0.11	ug/L	
15) Trichloroethene	8.061	95	5118	3.19	ug/L	97
21) Tetrachloroethene	9.874	166	928	0.57	ug/L #	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

7.1.3
7

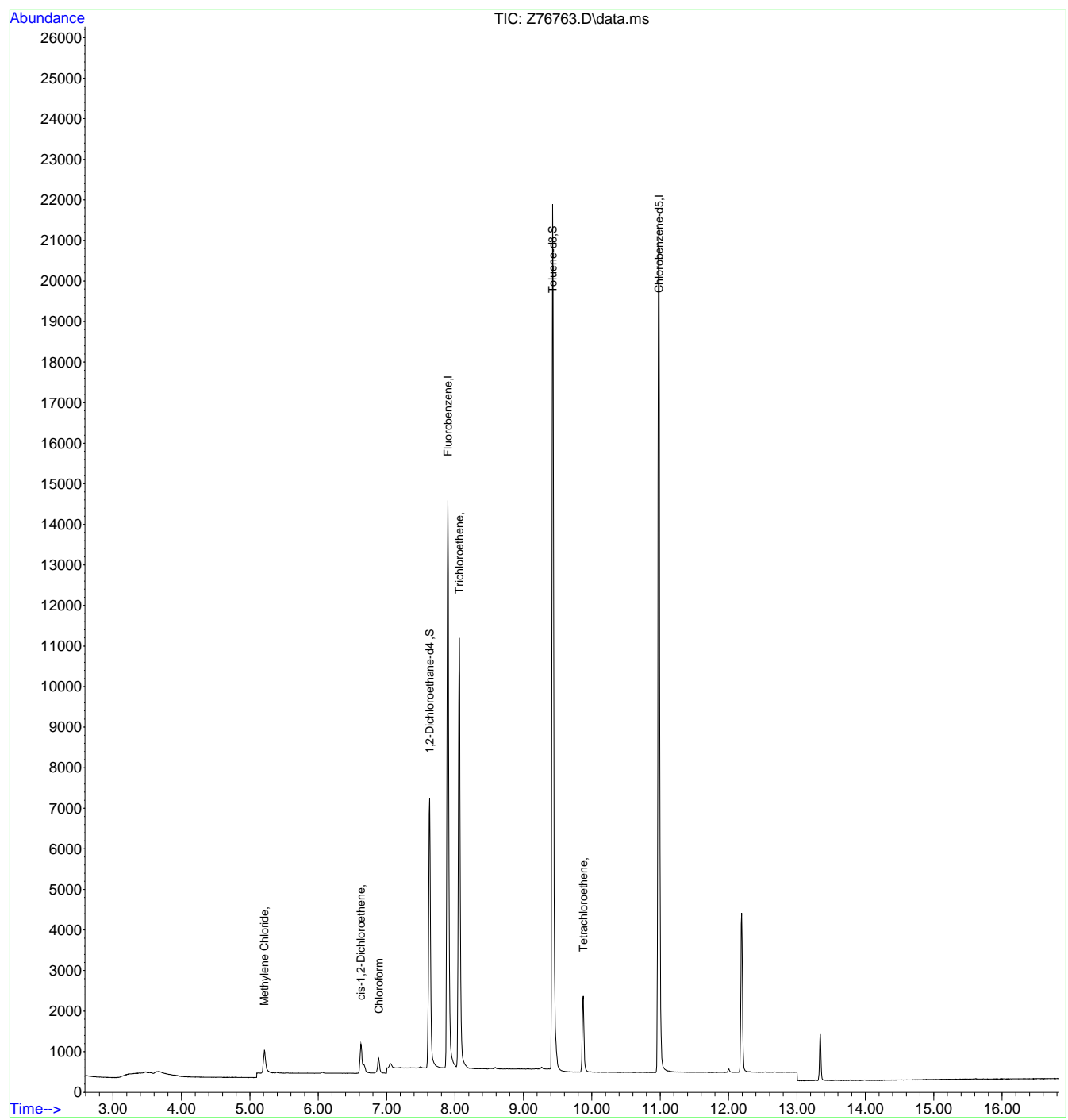


Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\091724\
Data File : Z76763.D
Acq On : 17 Sep 2024 4:47 pm
Operator : samantha
Sample : fc18680-3
Misc : MS57511,VZ3090,,,,,
ALS Vial : 18 Sample Multiplier: 1

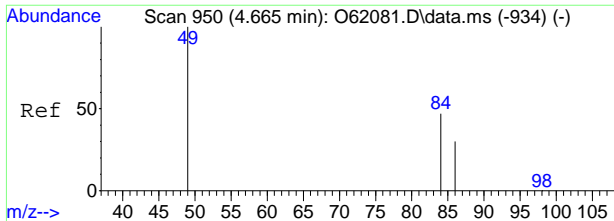
Inst : MSVOA15-Z

Quant Time: Sep 18 08:47:30 2024
Quant Method : C:\msdchem\1\methods\SIMCL-09-17-2024.M
Quant Title : SW-846 Method 5030/8260D SIM
QLast Update : Tue Sep 17 13:29:24 2024
Response via : Initial Calibration



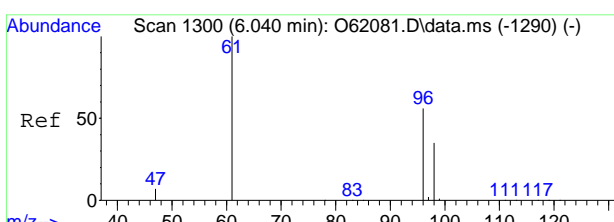
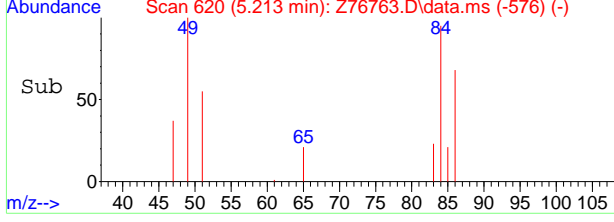
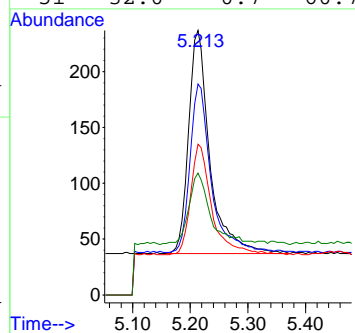
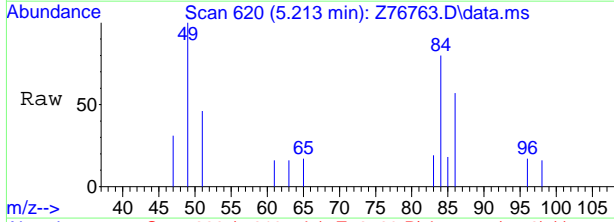
7.1.3
7





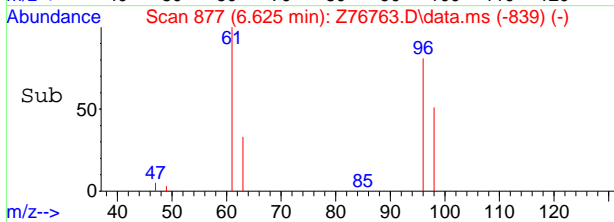
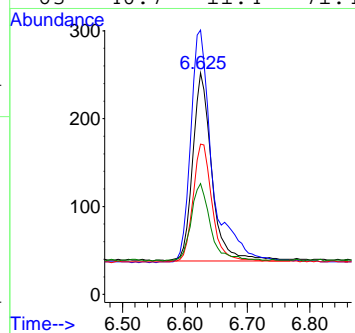
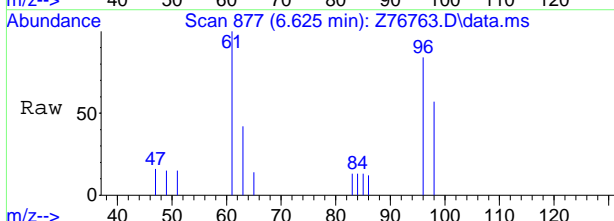
#5
 Methylene Chloride
 Concen: 0.16 ug/L
 RT: 5.213 min Scan# 620
 Delta R.T. 0.011 min
 Lab File: Z76763.D
 Acq: 17 Sep 2024 4:47 pm

Tgt Ion	Ratio	Lower	Upper
49	100		
84	75.5	47.9	107.9
86	49.5	20.9	80.9
51	32.0	0.7	60.7



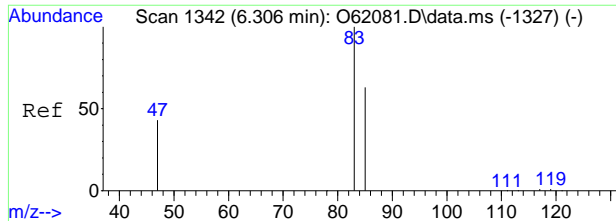
#8
 cis-1,2-Dichloroethene
 Concen: 0.23 ug/L
 RT: 6.625 min Scan# 877
 Delta R.T. 0.011 min
 Lab File: Z76763.D
 Acq: 17 Sep 2024 4:47 pm

Tgt Ion	Ratio	Lower	Upper
96	100		
61	123.4	98.5	158.5
98	62.6	34.4	94.4
63	40.7	11.4	71.4



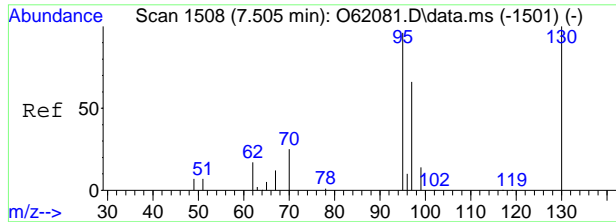
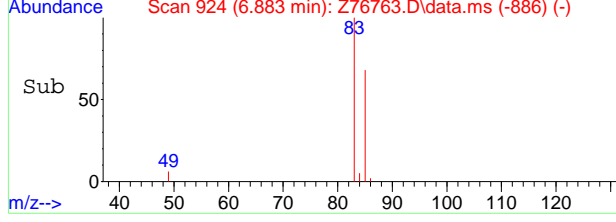
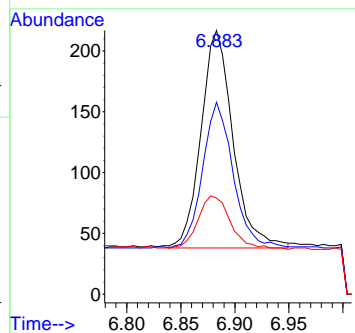
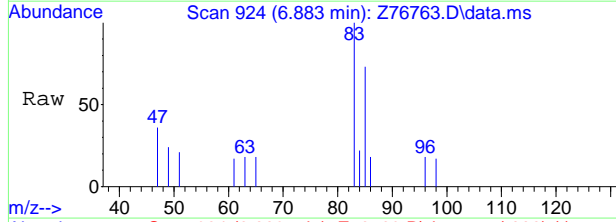
7.13
7





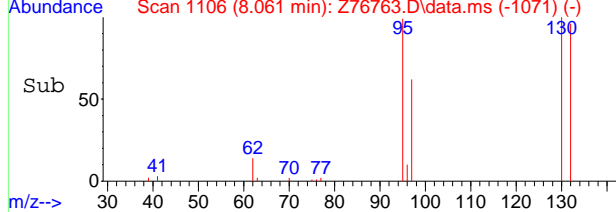
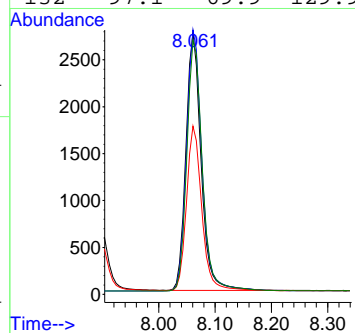
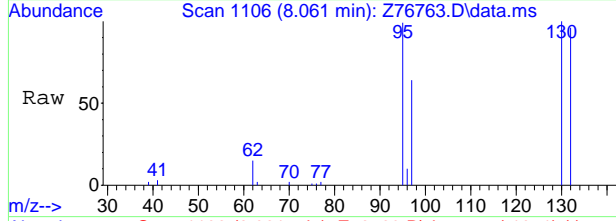
#9
Chloroform
Concen: 0.11 ug/L m
RT: 6.883 min Scan# 924
Delta R.T. 0.011 min
Lab File: Z76763.D
Acq: 17 Sep 2024 4:47 pm

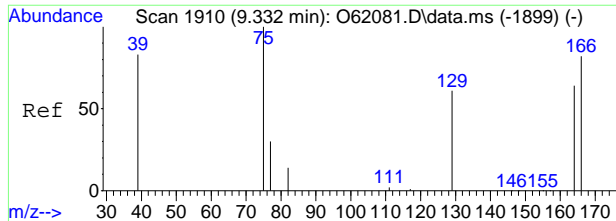
Tgt Ion	Resp	Lower	Upper
83	369		
85	72.8	34.0	94.0
47	36.4	0.0	54.8



#15
Trichloroethene
Concen: 3.19 ug/L
RT: 8.061 min Scan# 1106
Delta R.T. 0.006 min
Lab File: Z76763.D
Acq: 17 Sep 2024 4:47 pm

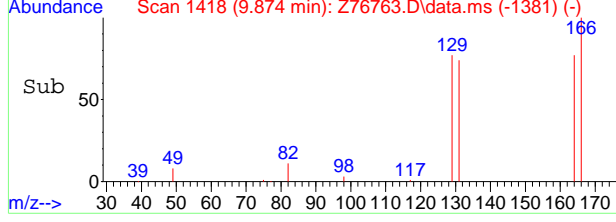
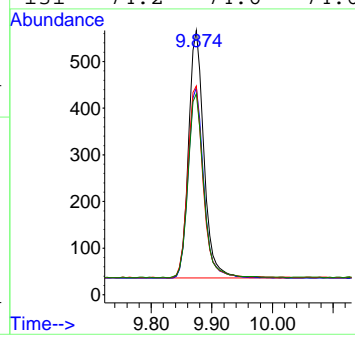
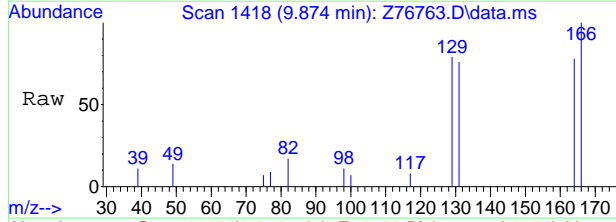
Tgt Ion	Resp	Lower	Upper
95	5118		
130	101.1	73.6	133.6
97	63.7	37.0	97.0
132	97.1	69.9	129.9





#21
 Tetrachloroethene
 Concen: 0.57 ug/L
 RT: 9.874 min Scan# 1418
 Delta R.T. 0.005 min
 Lab File: Z76763.D
 Acq: 17 Sep 2024 4:47 pm

Tgt Ion	Ratio	Lower	Upper
166	100		
164	77.0	48.8	108.8
129	77.4	46.3	106.3
131	74.2	74.6	74.6#



7.1.3
7



Manual Integration Approval Summary

Sample Number: FC18680-3 **Method:** SW846 8260D BY SIM
Lab FileID: Z76763.D **Analyst approved:** 09/18/24 08:54 Neil Christiana
Injection Time: 09/17/24 16:47 **Supervisor approved:** 09/18/24 10:13 Karen Watson

Parameter	CAS	Sig#	R.T. (min.)	Reason
Chloroform	67-66-3		6.88	Poorly defined baseline

7.1.3.1

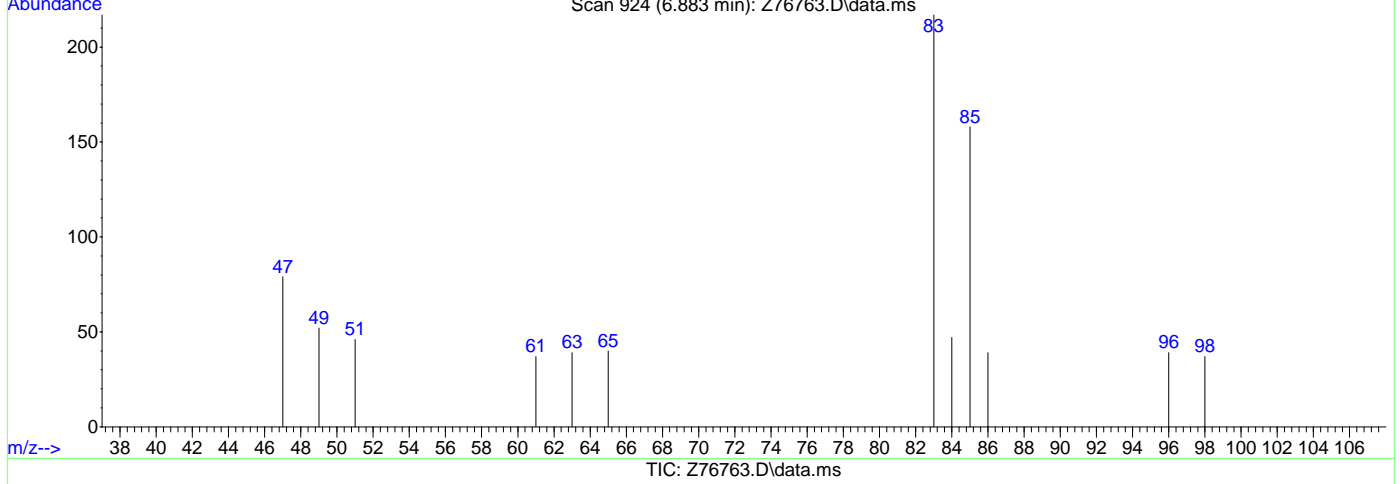
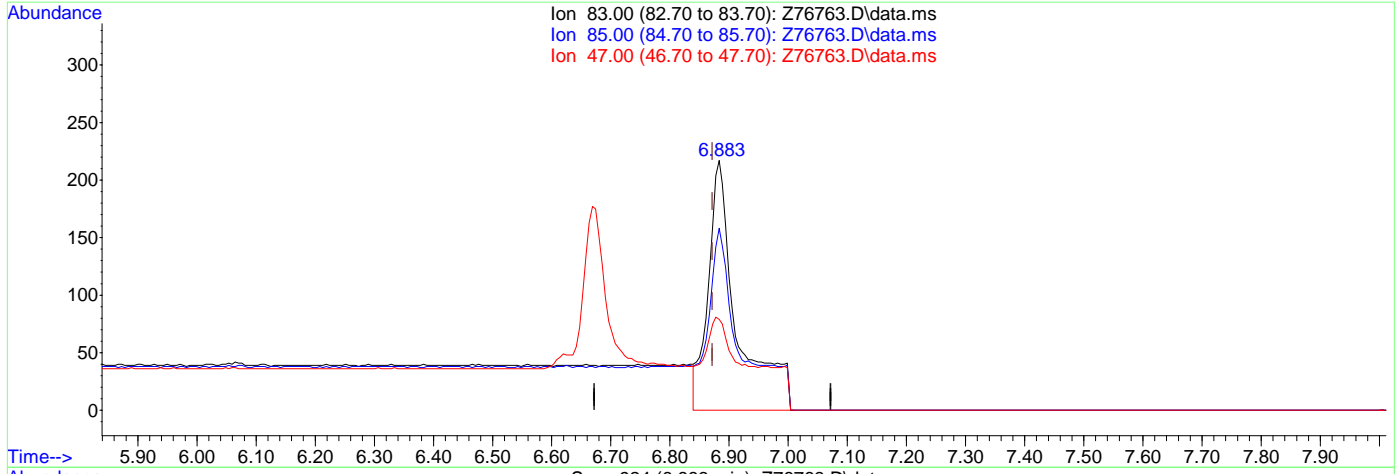
7

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\091724\
Data File : Z76763.D
Acq On : 17 Sep 2024 4:47 pm
Operator : samantha
Sample : fc18680-3
Misc : MS57511,VZ3090,,,,,
ALS Vial : 18 Sample Multiplier: 1

Inst : MSVOA15-Z

Quant Time: Sep 18 08:42:50 2024
Quant Method : C:\msdchem\1\methods\SIMCL-09-17-2024.M
Quant Title : SW-846 Method 5030/8260D SIM
QLast Update : Tue Sep 17 13:29:24 2024
Response via : Initial Calibration



(9) Chloroform

6.883min (+0.011) 0.21ug/L

response 746

Ion	Exp%	Act%
83.00	100	100
85.00	64.00	72.81
47.00	24.80	36.41
0.00	0.00	0.00



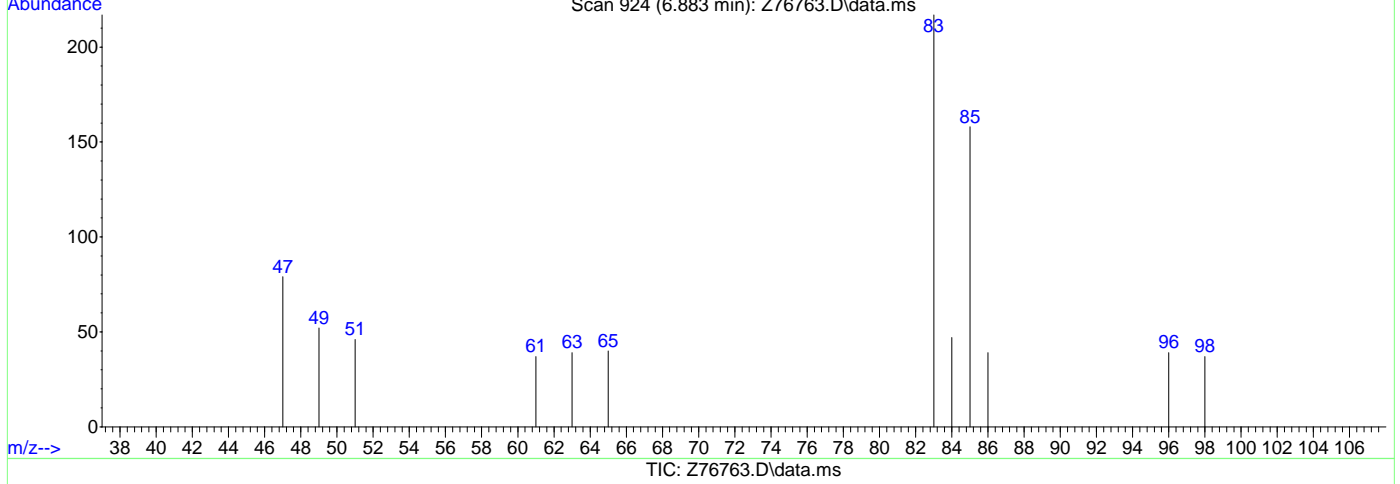
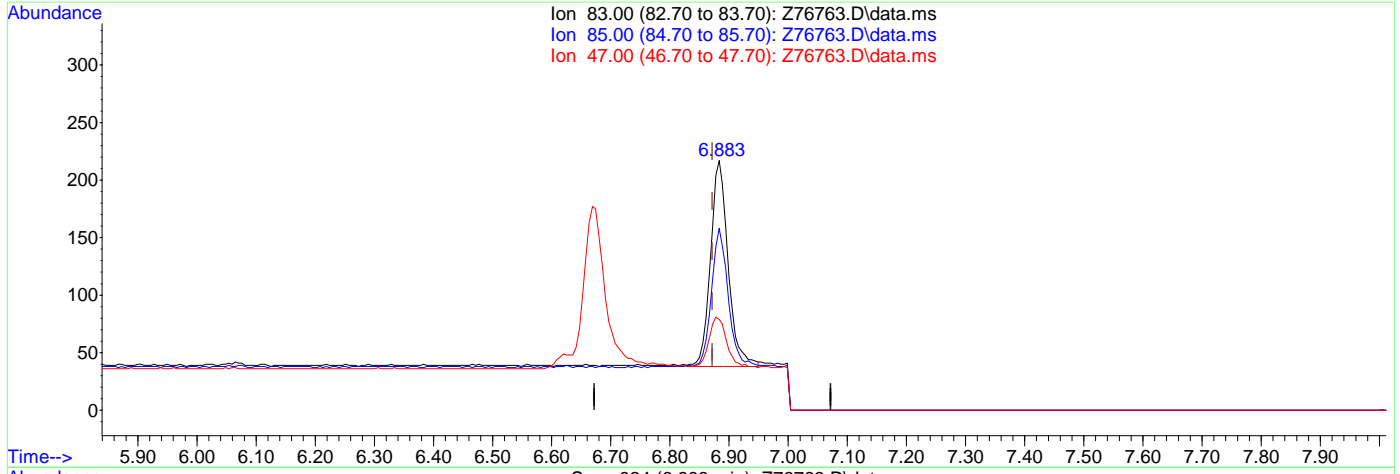
7.1.3.2
7

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\091724\
Data File : Z76763.D
Acq On : 17 Sep 2024 4:47 pm
Operator : samantha
Sample : fc18680-3
Misc : MS57511,VZ3090,,,,,
ALS Vial : 18 Sample Multiplier: 1

Inst : MSVOA15-Z

Quant Time: Sep 18 08:42:50 2024
Quant Method : C:\msdchem\1\methods\SIMCL-09-17-2024.M
Quant Title : SW-846 Method 5030/8260D SIM
QLast Update : Tue Sep 17 13:29:24 2024
Response via : Initial Calibration



(9) Chloroform

6.883min (+0.011) 0.11ug/L m

response 369

Ion	Exp%	Act%
83.00	100	100
85.00	64.00	72.81
47.00	24.80	36.41
0.00	0.00	0.00



71.3.3
7

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\091724\
 Data File : Z76758.D
 Acq On : 17 Sep 2024 2:52 pm
 Operator : samantha
 Sample : mb Inst : MSVOA15-Z
 Misc : MS57418,VZ3090,,,,,
 ALS Vial : 13 Sample Multiplier: 1

Quant Time: Sep 18 08:45:58 2024
 Quant Method : C:\msdchem\1\methods\SIMCL-09-17-2024.M
 Quant Title : SW-846 Method 5030/8260D SIM
 QLast Update : Tue Sep 17 13:29:24 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Fluorobenzene	7.894	96	18272	5.00	ug/L	0.00
18) Chlorobenzene-d5	10.980	117	24122	5.00	ug/L	0.00
System Monitoring Compounds						
13) 1,2-Dichloroethane-d4	7.621	65	6276	5.23	ug/L	0.00
Spiked Amount	5.000	Range 74 - 125	Recovery	=	104.60%	
19) Toluene-d8	9.428	98	23782	5.04	ug/L	0.00
Spiked Amount	5.000	Range 88 - 111	Recovery	=	100.80%	
Target Compounds						
5) Methylene Chloride	5.208	49	1162	0.34	ug/L	Qvalue 95

(#) = qualifier out of range (m) = manual integration (+) = signals summed

7.2.1
7

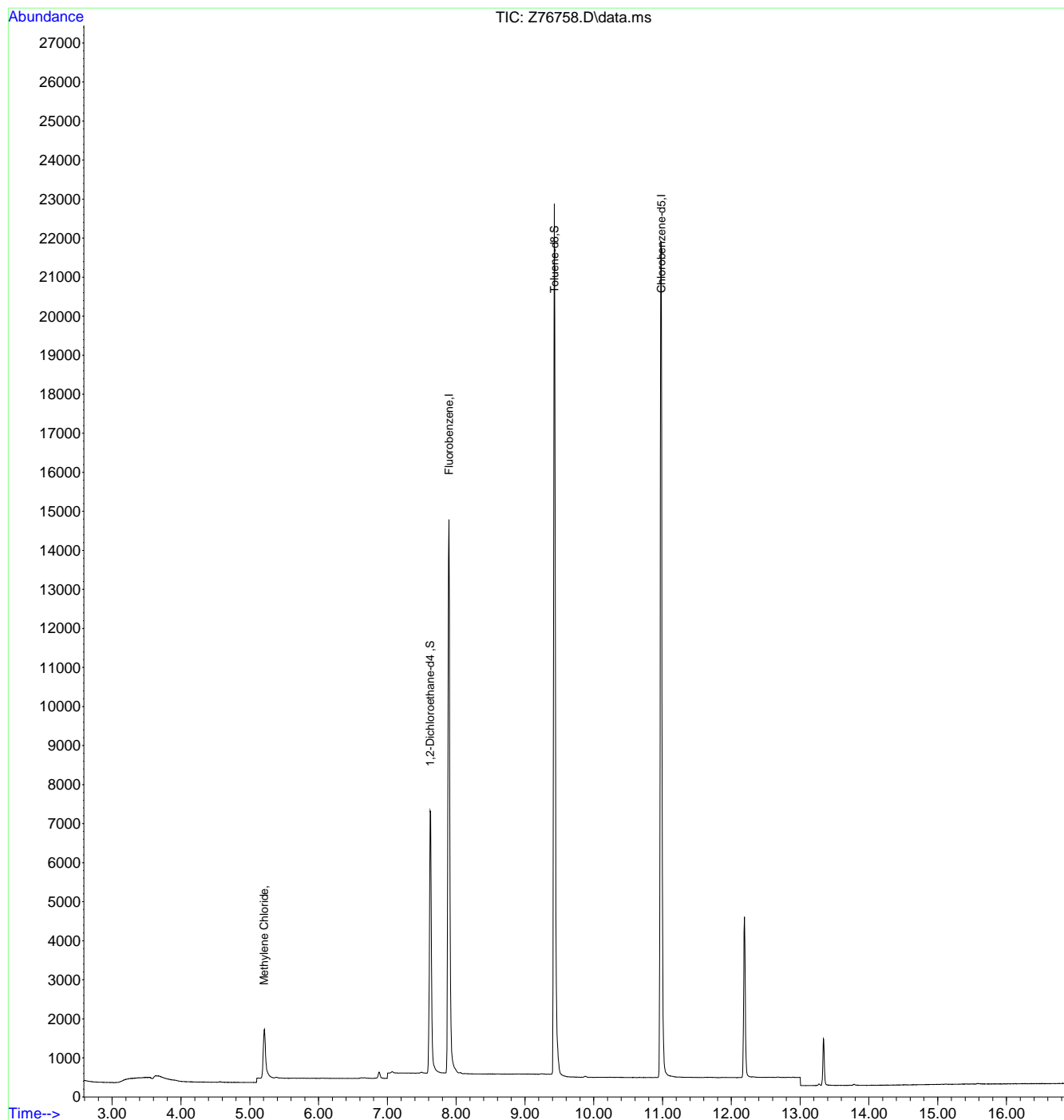


Quantitation Report (QT Reviewed)

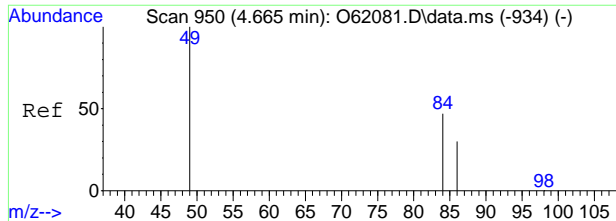
Data Path : C:\msdchem\1\data\091724\
Data File : Z76758.D
Acq On : 17 Sep 2024 2:52 pm
Operator : samantha
Sample : mb
Misc : MS57418,VZ3090,,,,,
ALS Vial : 13 Sample Multiplier: 1

Inst : MSVOA15-Z

Quant Time: Sep 18 08:45:58 2024
Quant Method : C:\msdchem\1\methods\SIMCL-09-17-2024.M
Quant Title : SW-846 Method 5030/8260D SIM
QLast Update : Tue Sep 17 13:29:24 2024
Response via : Initial Calibration

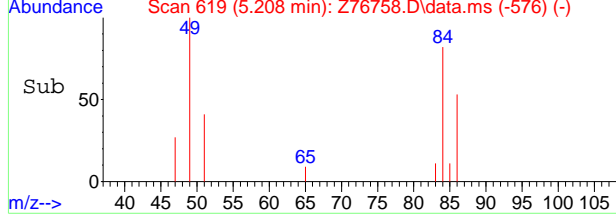
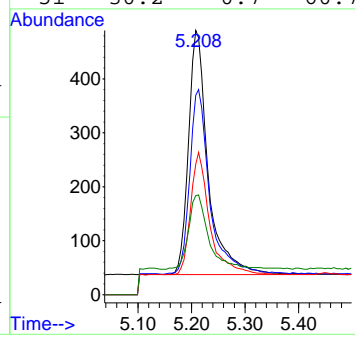
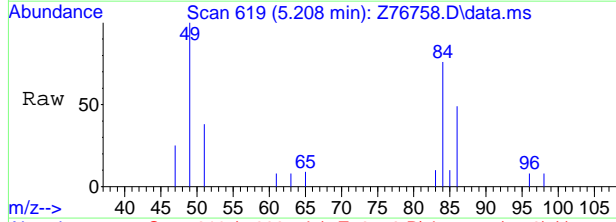


7.2.1
7



#5
 Methylene Chloride
 Concen: 0.34 ug/L
 RT: 5.208 min Scan# 619
 Delta R.T. 0.006 min
 Lab File: Z76758.D
 Acq: 17 Sep 2024 2:52 pm

Tgt Ion	Ratio	Lower	Upper
49	100		
84	73.1	47.9	107.9
86	45.3	20.9	80.9
51	30.2	0.7	60.7



7.2.1
7

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\091724\
 Data File : Z76756.D
 Acq On : 17 Sep 2024 1:59 pm
 Operator : samantha
 Sample : bs Inst : MSVOA15-Z
 Misc : MS57418,VZ3090,,,,,
 ALS Vial : 11 Sample Multiplier: 1

Quant Time: Sep 17 14:19:16 2024
 Quant Method : C:\msdchem\1\methods\SIMCL-09-17-2024.M
 Quant Title : SW-846 Method 5030/8260D SIM
 QLast Update : Tue Sep 17 13:29:24 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Fluorobenzene	7.894	96	19033	5.00	ug/L	0.00
18) Chlorobenzene-d5	10.975	117	24335	5.00	ug/L	0.00
System Monitoring Compounds						
13) 1,2-Dichloroethane-d4	7.621	65	6351	5.08	ug/L	0.00
Spiked Amount	5.000	Range 74 - 125	Recovery	=	101.60%	
19) Toluene-d8	9.428	98	23842	5.00	ug/L	0.00
Spiked Amount	5.000	Range 88 - 111	Recovery	=	100.00%	
Target Compounds						
						Qvalue
2) Vinyl Chloride	3.188	62	9223	4.75	ug/L	99
3) Chloromethane	3.124	50	9995	4.66	ug/L	100
4) 1,1-Dichloroethene	4.561	61	14074	5.18	ug/L	98
5) Methylene Chloride	5.208	49	18712	5.86	ug/L	96
6) trans-1,2-Dichloroethene	5.383	61	13450	5.25	ug/L	97
7) 1,1-Dichloroethane	6.059	63	17154	5.07	ug/L	100
8) cis-1,2-Dichloroethene	6.619	96	10472	5.16	ug/L	99
9) Chloroform	6.877	83	18589	5.13	ug/L	100
10) Carbon Tetrachloride	7.051	117	12432	4.84	ug/L	100
11) 1,1,1-Trichloroethane	7.119	97	15660	5.22	ug/L	98
12) Benzene	7.492	78	31780	5.04	ug/L	97
14) 1,2-Dichloroethane	7.689	62	12961	5.22	ug/L	99
15) Trichloroethene	8.054	95	8468	4.87	ug/L	97
16) 1,2-Dichloropropane	8.582	63	8803	5.07	ug/L	99
17) cis-1,3-Dichloropropene	9.240	75	12366	4.75	ug/L	98
20) trans-1,3-Dichloropropene	9.869	75	10372	4.21	ug/L	99
21) Tetrachloroethene	9.869	166	8690	5.06	ug/L #	98
22) 1,4-Dichlorobenzene	13.354	146	20193	4.82	ug/L	99
23) 1,2-Dibromo-3-Chloropr...	14.520	75	2135	4.30	ug/L	97

(#) = qualifier out of range (m) = manual integration (+) = signals summed

7.3.1
7

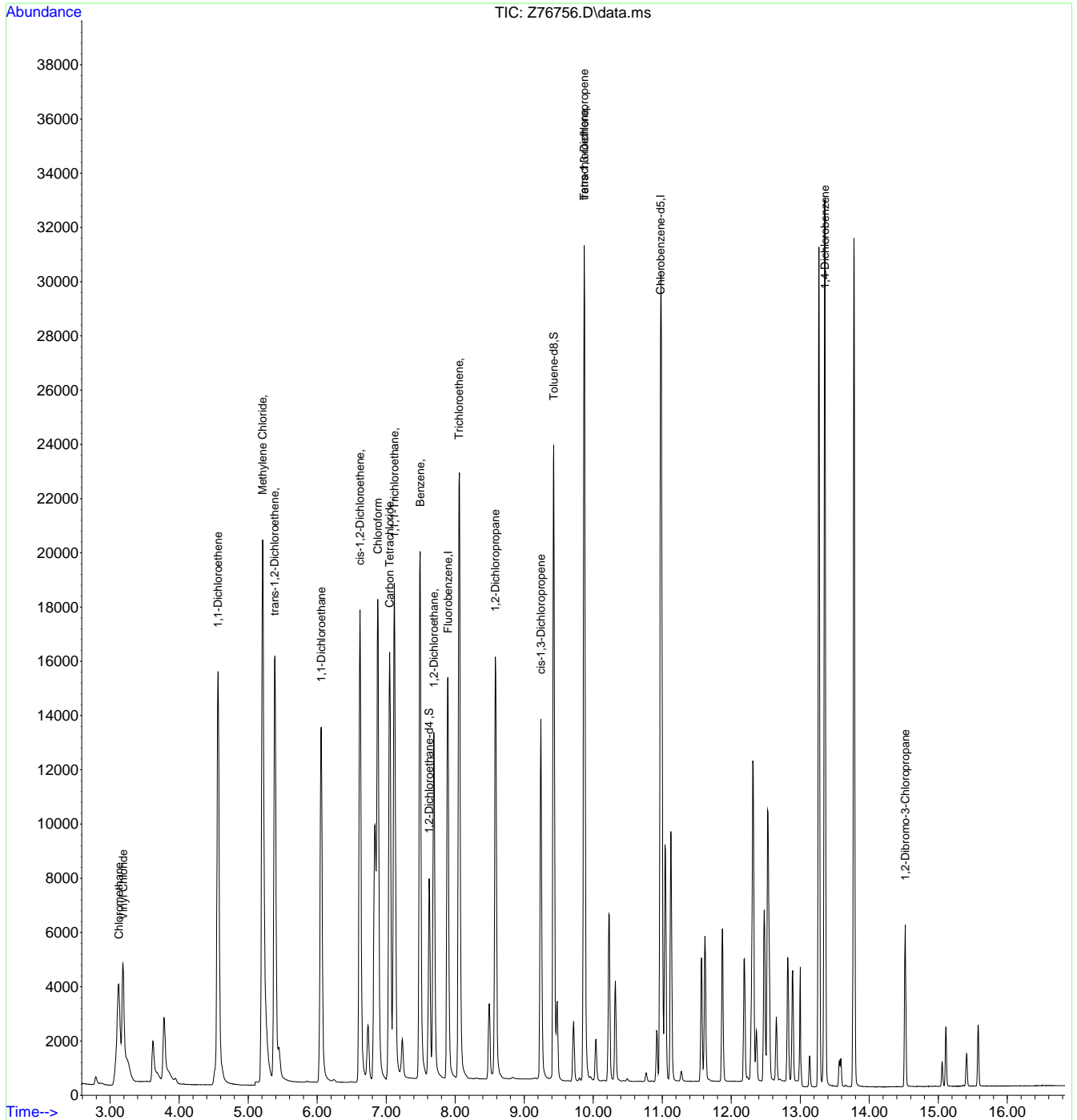


Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\091724\
 Data File : Z76756.D
 Acq On : 17 Sep 2024 1:59 pm
 Operator : samantha
 Sample : bs
 Misc : MS57418,VZ3090,,,,,
 ALS Vial : 11 Sample Multiplier: 1

Inst : MSVOA15-Z

Quant Time: Sep 17 14:19:16 2024
 Quant Method : C:\msdchem\1\methods\SIMCL-09-17-2024.M
 Quant Title : SW-846 Method 5030/8260D SIM
 QLast Update : Tue Sep 17 13:29:24 2024
 Response via : Initial Calibration



7.3.1
7

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\091724\
 Data File : Z76764.D
 Acq On : 17 Sep 2024 5:10 pm
 Operator : samantha
 Sample : fc18679-1ms Inst : MSVOA15-Z
 Misc : MS57511,VZ3090,,,,,10
 ALS Vial : 19 Sample Multiplier: 1

Quant Time: Sep 18 08:42:52 2024
 Quant Method : C:\msdchem\1\methods\SIMCL-09-17-2024.M
 Quant Title : SW-846 Method 5030/8260D SIM
 QLast Update : Tue Sep 17 13:29:24 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	

Internal Standards							
1) Fluorobenzene	7.895	96	17543	5.00	ug/L	0.00	
18) Chlorobenzene-d5	10.975	117	23135	5.00	ug/L	0.00	
System Monitoring Compounds							
13) 1,2-Dichloroethane-d4	7.622	65	6322	5.48	ug/L	0.00	
Spiked Amount	5.000	Range 74 - 125	Recovery	=	109.60%		
19) Toluene-d8	9.429	98	22602	4.99	ug/L	0.00	
Spiked Amount	5.000	Range 88 - 111	Recovery	=	99.80%		
Target Compounds							
							Qvalue
2) Vinyl Chloride	3.184	62	9816	5.52	ug/L		100
3) Chloromethane	3.121	50	10159	5.17	ug/L		100
4) 1,1-Dichloroethene	4.562	61	14141	5.67	ug/L		97
5) Methylene Chloride	5.208	49	15525	5.21	ug/L		94
6) trans-1,2-Dichloroethene	5.384	61	13075	5.55	ug/L		95
7) 1,1-Dichloroethane	6.059	63	16643	5.35	ug/L		100
8) cis-1,2-Dichloroethene	6.625	96	23622	13.54	ug/L		96
9) Chloroform	6.878	83	17685	5.31	ug/L		99
10) Carbon Tetrachloride	7.051	117	11897	5.04	ug/L		100
11) 1,1,1-Trichloroethane	7.119	97	15303	5.55	ug/L		99
12) Benzene	7.493	78	29789	5.13	ug/L		99
14) 1,2-Dichloroethane	7.689	62	12144	5.31	ug/L		99
15) Trichloroethene	8.061	95	8352	5.21	ug/L		99
16) 1,2-Dichloropropane	8.588	63	8218	5.13	ug/L		99
17) cis-1,3-Dichloropropene	9.241	75	10920	4.55	ug/L		96
20) trans-1,3-Dichloropropene	9.874	75	9056	3.86	ug/L		99
21) Tetrachloroethene	9.869	166	9555	5.86	ug/L #		97
22) 1,4-Dichlorobenzene	13.354	146	18137	4.55	ug/L		99
23) 1,2-Dibromo-3-Chloropr...	14.517	75	2061	4.37	ug/L		93

(#) = qualifier out of range (m) = manual integration (+) = signals summed

7.4.1
7

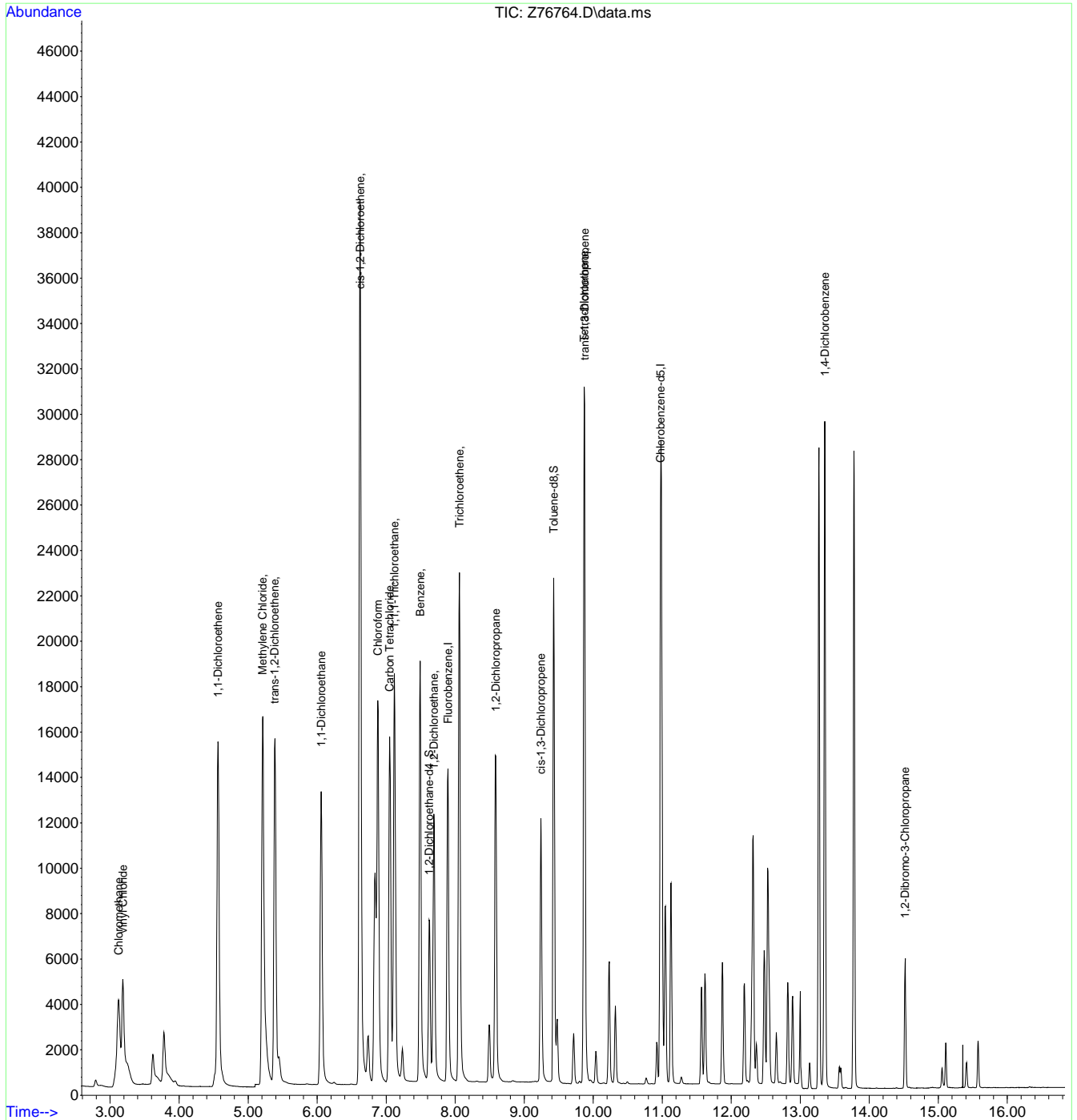


Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\091724\
 Data File : Z76764.D
 Acq On : 17 Sep 2024 5:10 pm
 Operator : samantha
 Sample : fc18679-1ms
 Misc : MS57511,VZ3090,,,,,10
 ALS Vial : 19 Sample Multiplier: 1

Inst : MSVOA15-Z

Quant Time: Sep 18 08:42:52 2024
 Quant Method : C:\msdchem\1\methods\SIMCL-09-17-2024.M
 Quant Title : SW-846 Method 5030/8260D SIM
 QLast Update : Tue Sep 17 13:29:24 2024
 Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\091724\
 Data File : Z76765.D
 Acq On : 17 Sep 2024 5:33 pm
 Operator : samantha
 Sample : fc18679-1msd Inst : MSVOA15-Z
 Misc : MS57511,VZ3090,,,,,10
 ALS Vial : 20 Sample Multiplier: 1

Quant Time: Sep 18 08:42:54 2024
 Quant Method : C:\msdchem\1\methods\SIMCL-09-17-2024.M
 Quant Title : SW-846 Method 5030/8260D SIM
 QLast Update : Tue Sep 17 13:29:24 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	

Internal Standards							
1) Fluorobenzene	7.895	96	17617	5.00	ug/L	0.00	
18) Chlorobenzene-d5	10.975	117	22948	5.00	ug/L	0.00	
System Monitoring Compounds							
13) 1,2-Dichloroethane-d4	7.628	65	6161	5.32	ug/L	0.00	
Spiked Amount	5.000	Range	74 - 125	Recovery	=	106.40%	
19) Toluene-d8	9.428	98	22591	5.03	ug/L	0.00	
Spiked Amount	5.000	Range	88 - 111	Recovery	=	100.60%	
Target Compounds							
							Qvalue
2) Vinyl Chloride	3.184	62	10124	5.67	ug/L		100
3) Chloromethane	3.125	50	10509	5.33	ug/L		100
4) 1,1-Dichloroethene	4.562	61	14218	5.68	ug/L		97
5) Methylene Chloride	5.208	49	15797	5.29	ug/L		94
6) trans-1,2-Dichloroethene	5.389	61	13118	5.55	ug/L		100
7) 1,1-Dichloroethane	6.059	63	16774	5.37	ug/L		100
8) cis-1,2-Dichloroethene	6.625	96	23236	13.23	ug/L		96
9) Chloroform	6.878	83	17800	5.32	ug/L		99
10) Carbon Tetrachloride	7.051	117	11995	5.06	ug/L		99
11) 1,1,1-Trichloroethane	7.119	97	15441	5.58	ug/L		99
12) Benzene	7.493	78	30193	5.17	ug/L		99
14) 1,2-Dichloroethane	7.689	62	12171	5.30	ug/L		98
15) Trichloroethene	8.061	95	8440	5.24	ug/L		99
16) 1,2-Dichloropropane	8.588	63	8299	5.16	ug/L		99
17) cis-1,3-Dichloropropene	9.240	75	11057	4.59	ug/L		95
20) trans-1,3-Dichloropropene	9.874	75	9125	3.92	ug/L		98
21) Tetrachloroethene	9.869	166	9513	5.88	ug/L #		97
22) 1,4-Dichlorobenzene	13.354	146	18146	4.59	ug/L		98
23) 1,2-Dibromo-3-Chloropr...	14.517	75	2085	4.45	ug/L		92

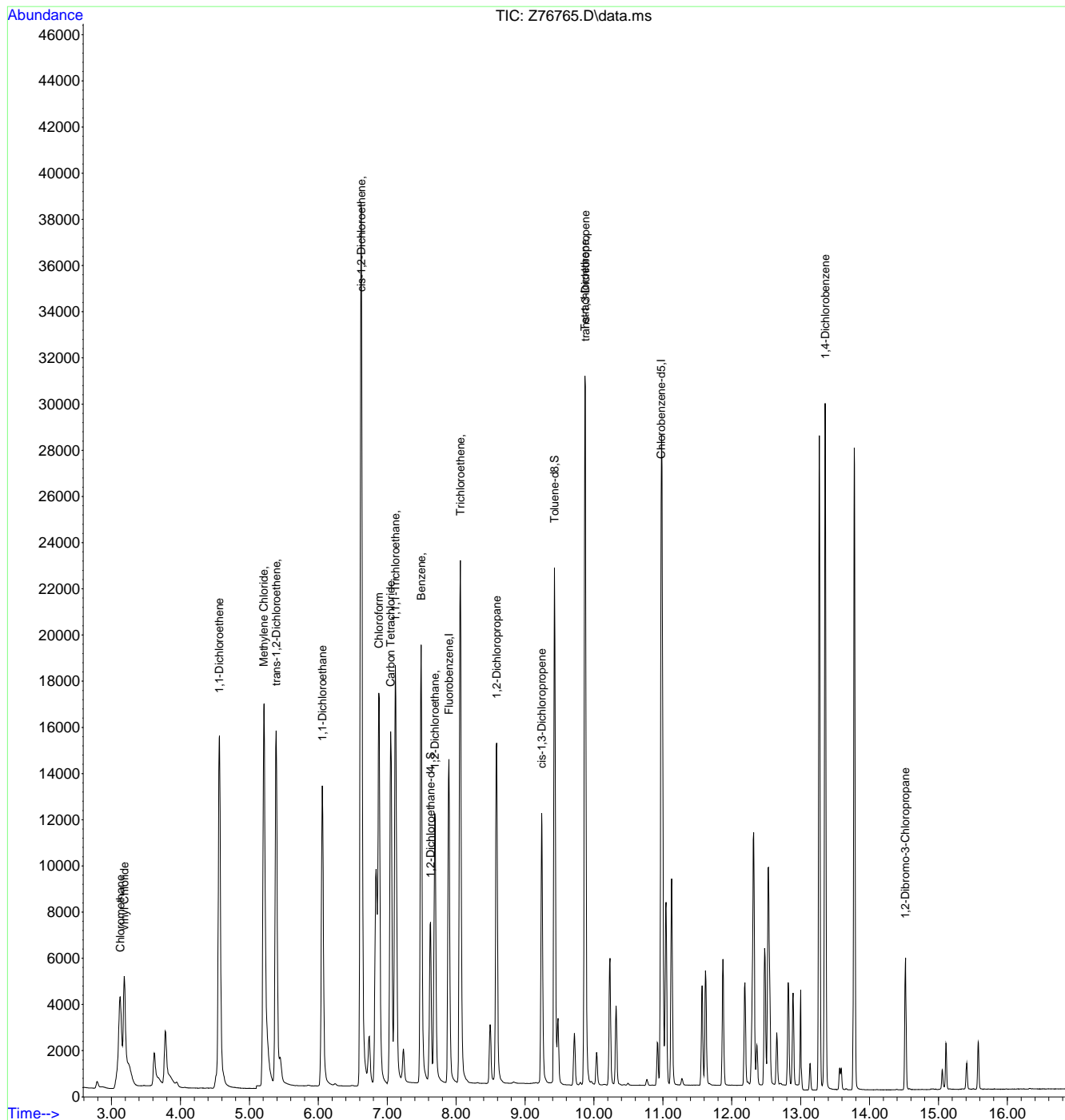
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\091724\
Data File : Z76765.D
Acq On : 17 Sep 2024 5:33 pm
Operator : samantha
Sample : fc18679-1msd
Misc : MS57511,VZ3090,,,,,10
ALS Vial : 20 Sample Multiplier: 1

Inst : MSVOA15-Z

Quant Time: Sep 18 08:42:54 2024
Quant Method : C:\msdchem\1\methods\SIMCL-09-17-2024.M
Quant Title : SW-846 Method 5030/8260D SIM
QLast Update : Tue Sep 17 13:29:24 2024
Response via : Initial Calibration



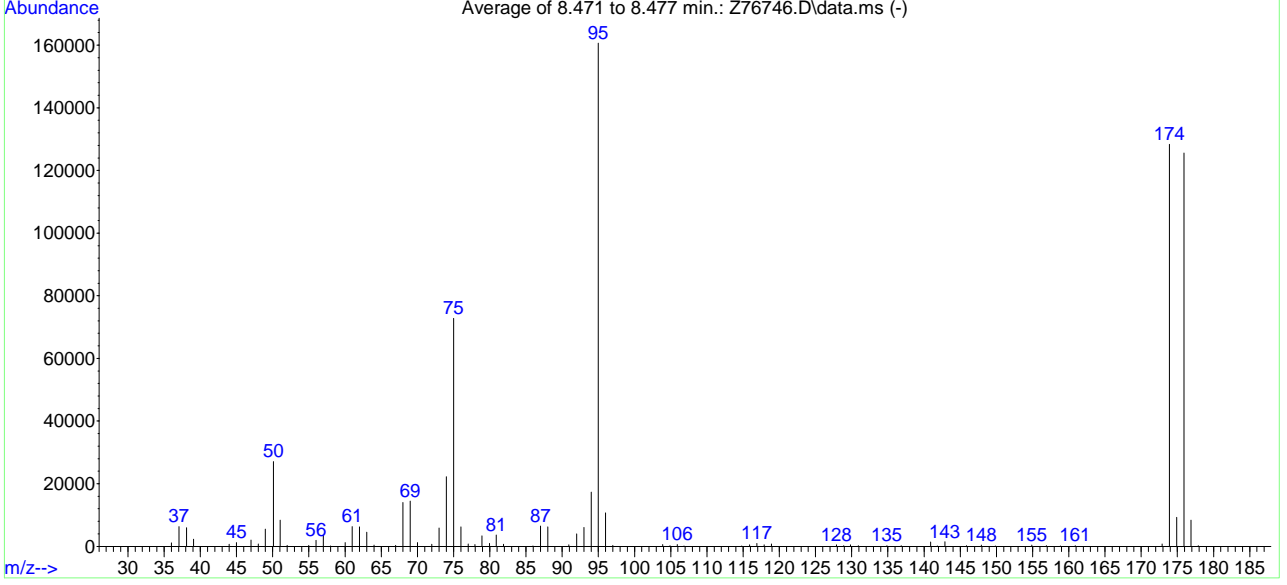
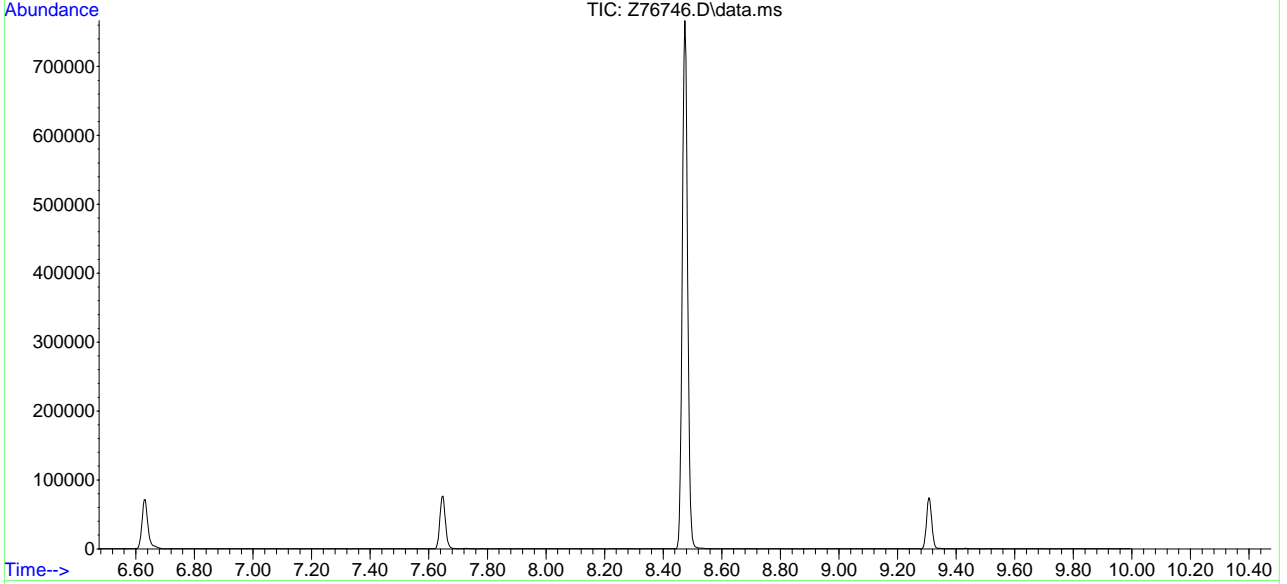
7.4.2
7



Methods: SW-846 8260D

Data File : C:\msdchem\1\data\091724\Z76746.D Vial: 1
 Acq On : 17 Sep 2024 9:48 am Operator: samantha
 Sample : bfb Inst : MSVOA15-Z
 Misc : MS57418,VZ3090,,,,, Multiplr: 1.00
 MS Integration Params: micro.p

Method : C:\msdchem\1\met...MCL-09-17-2024.M (RTE Integrator)
 Title : SW-846 Method 5030/8260D SIM



AutoFind: Scans 1488, 1489, 1490; Background Corrected with Scan 1477

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
95	95	100	100	100.0	160619	PASS
96	95	5	9	6.7	10686	PASS
173	174	0.00	2	0.6	739	PASS
174	95	50	200	79.9	128312	PASS
175	174	5	9	7.2	9224	PASS
176	174	95	105	97.9	125555	PASS
177	176	5	10	6.7	8353	PASS



7.5.1
7

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\091724\
 Data File : Z76747.D
 Acq On : 17 Sep 2024 10:14 am
 Operator : samantha
 Sample : ic3090-1 Inst : MSVOA15-Z
 Misc : MS57418,VZ3090,,,,,
 ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 17 12:25:45 2024
 Quant Method : C:\msdchem\1\methods\SIMCL-09-17-2024.M
 Quant Title : SW-846 Method 5030/8260D SIM
 QLast Update : Wed Aug 28 11:30:23 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	Qvalue

Internal Standards							
1) Fluorobenzene	7.889	96	19062	5.00	ug/L	0.00	
18) Chlorobenzene-d5	10.975	117	24244	5.00	ug/L	0.00	
System Monitoring Compounds							
13) 1,2-Dichloroethane-d4	7.621	65	6117	5.30	ug/L	0.00	
Spiked Amount	5.000	Range 74 - 125	Recovery	=	106.00%		
19) Toluene-d8	9.423	98	23657	4.38	ug/L	0.00	
Spiked Amount	5.000	Range 88 - 111	Recovery	=	87.60%#		
Target Compounds							
2) Vinyl Chloride	3.188	62	438	0.22	ug/L	70	
3) Chloromethane	3.116	50	441	0.19	ug/L	99	
4) 1,1-Dichloroethene	4.561	61	323	0.14	ug/L	97	
5) Methylene Chloride	5.208	49	5179	1.82	ug/L	98	
6) trans-1,2-Dichloroethene	5.383	61	302	0.14	ug/L	98	
7) 1,1-Dichloroethane	6.054	63	374	0.15	ug/L	100	
8) cis-1,2-Dichloroethene	6.619	96	230	0.12	ug/L	97	
9) Chloroform	6.877	83	905	0.27	ug/L	93	
10) Carbon Tetrachloride	7.051	117	836	0.33	ug/L #	79	
11) 1,1,1-Trichloroethane	7.119	97	496	0.18	ug/L	97	
12) Benzene	7.492	78	730	0.13	ug/L	93	
14) 1,2-Dichloroethane	7.689	62	238	0.11	ug/L	94	
15) Trichloroethene	8.055	95	186	0.12	ug/L	88	
16) 1,2-Dichloropropane	8.582	63	160	0.11	ug/L	91	
17) cis-1,3-Dichloropropene	9.240	75	244	0.10	ug/L	89	
20) trans-1,3-Dichloropropene	9.874	75	225	0.09	ug/L	94	
21) Tetrachloroethene	9.869	166	196	0.11	ug/L #	92	
22) 1,4-Dichlorobenzene	13.274	146	369	0.09	ug/L	94	
23) 1,2-Dibromo-3-Chloropr...	14.520	75	101m	0.17	ug/L		

(#) = qualifier out of range (m) = manual integration (+) = signals summed

7.6.1
7

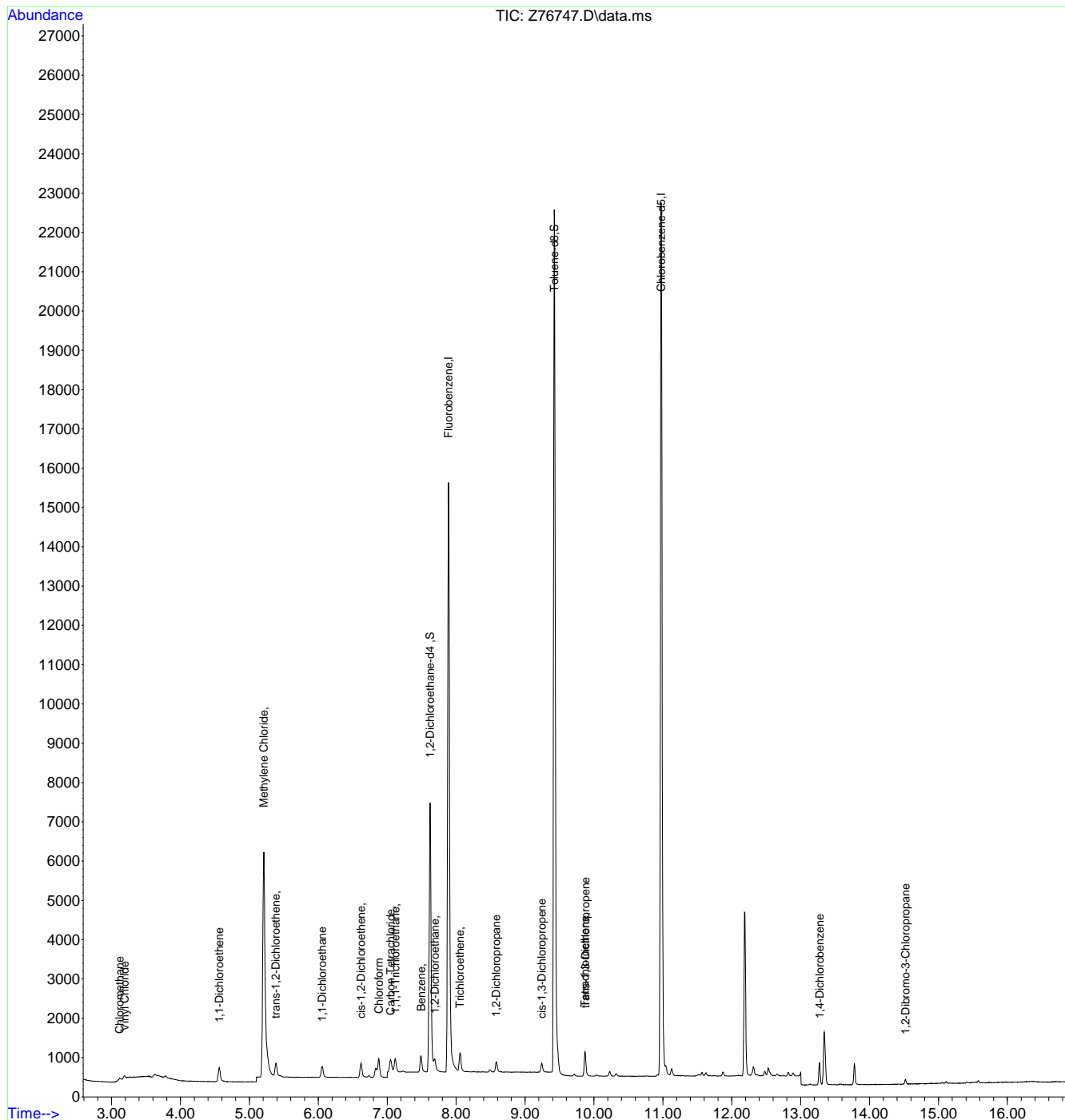


Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\091724\
 Data File : Z76747.D
 Acq On : 17 Sep 2024 10:14 am
 Operator : samantha
 Sample : ic3090-1
 Misc : MS57418,VZ3090,,,,,
 ALS Vial : 2 Sample Multiplier: 1

Inst : MSVOA15-Z

Quant Time: Sep 17 12:25:45 2024
 Quant Method : C:\msdchem\1\methods\SIMCL-09-17-2024.M
 Quant Title : SW-846 Method 5030/8260D SIM
 QLast Update : Wed Aug 28 11:30:23 2024
 Response via : Initial Calibration



7.6.1
7



Manual Integration Approval Summary

Sample Number: VZ3090-IC3090
Lab FileID: Z76747.D
Injection Time: 09/17/24 10:14

Method: SW846 8260D BY SIM
Analyst approved: 09/17/24 14:22 Samantha Skitowski
Supervisor approved: 09/18/24 10:13 Karen Watson

Parameter	CAS	Sig#	R.T. (min.)	Reason
1,2-Dibromo-3-chloropropane	96-12-8		14.52	Missed peak

7.6.1.1

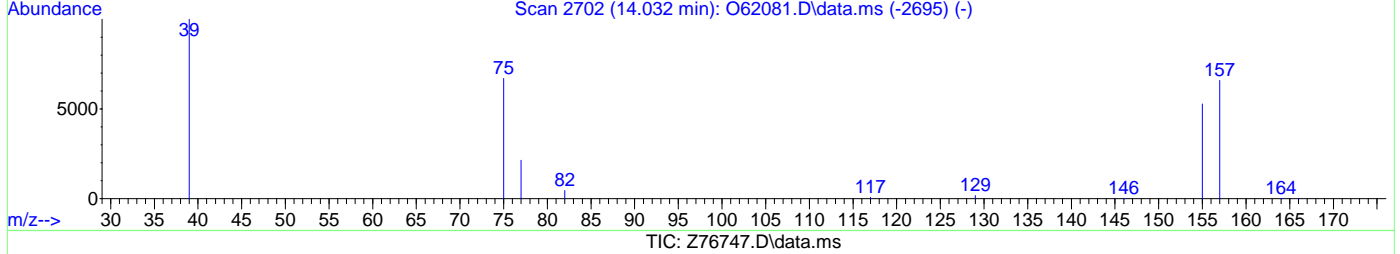
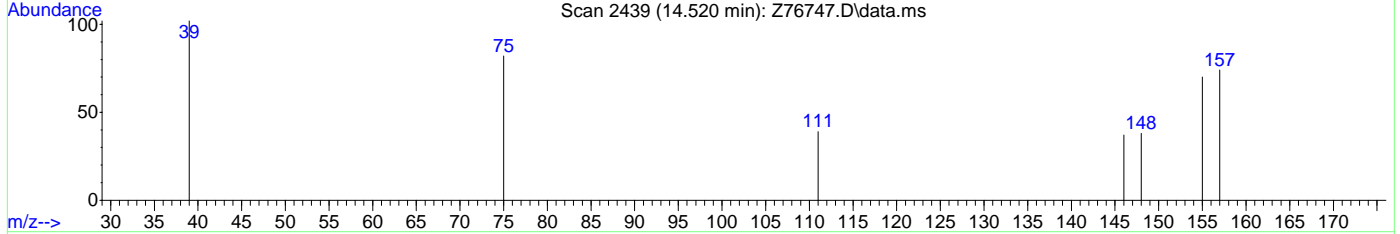
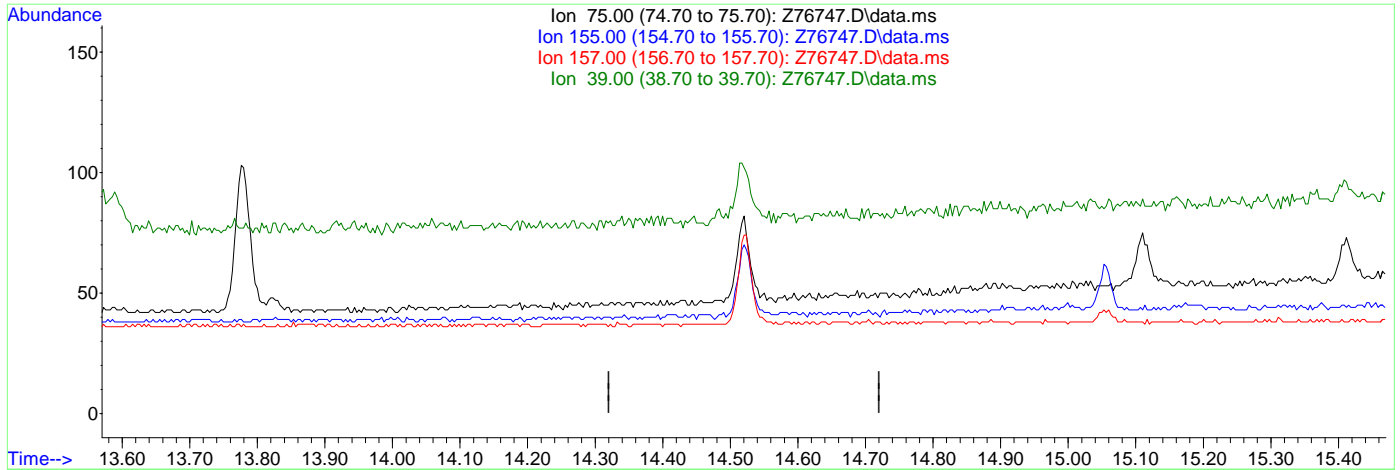
7

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\091724\
 Data File : Z76747.D
 Acq On : 17 Sep 2024 10:14 am
 Operator : samantha
 Sample : ic3090-1
 Misc : MS57418,VZ3090,,,,,
 ALS Vial : 2 Sample Multiplier: 1

Inst : MSVOA15-Z

Quant Time: Sep 17 12:17:38 2024
 Quant Method : C:\msdchem\1\methods\SIMCL-09-17-2024.M
 Quant Title : SW-846 Method 5030/8260D SIM
 QLast Update : Wed Aug 28 11:30:23 2024
 Response via : Initial Calibration



(23) 1,2-Dibromo-3-Chloropropane

14.520min (-14.520) 0.00ug/L

response 0

Ion	Exp%	Act%
75.00	100	0.00
155.00	116.30	0.00#
157.00	149.10	0.00#
39.00	55.20	0.00#

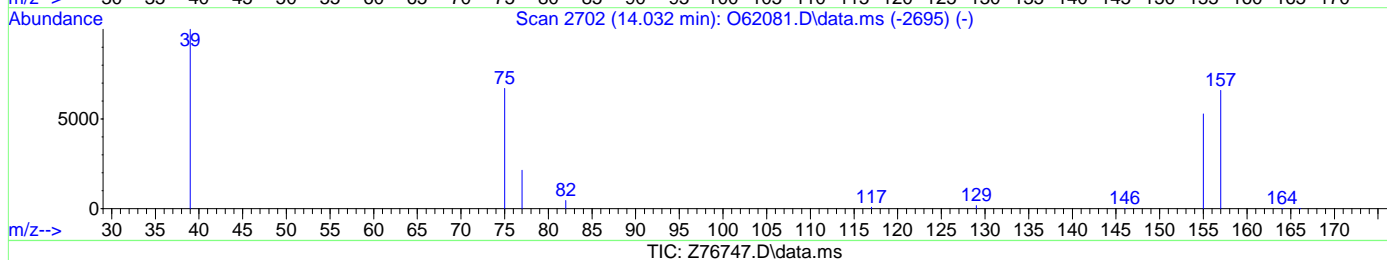
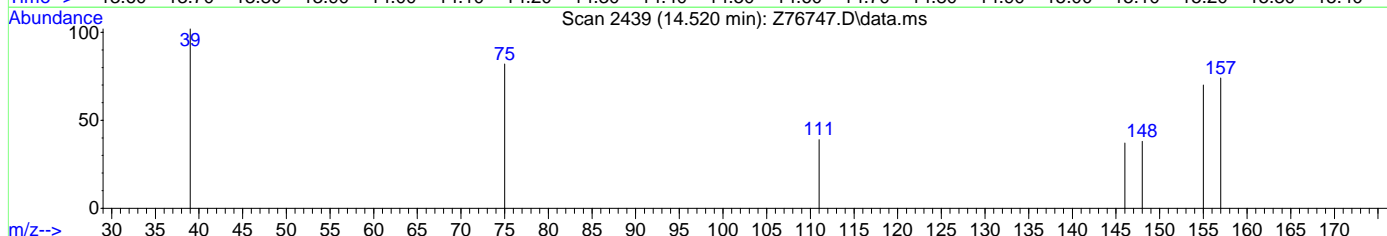
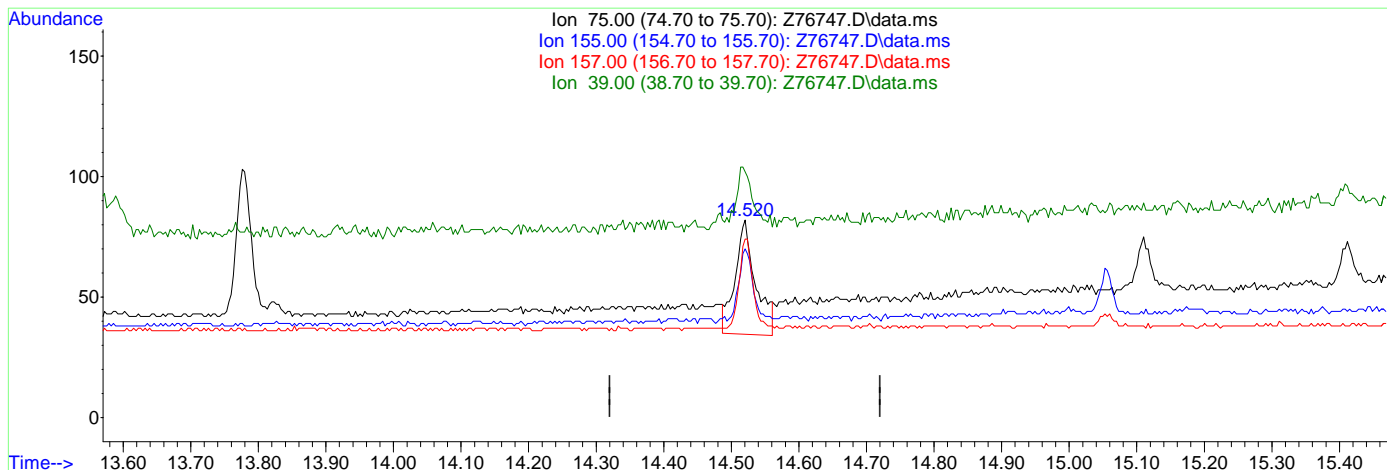
7.6.1.2
7

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\091724\
 Data File : Z76747.D
 Acq On : 17 Sep 2024 10:14 am
 Operator : samantha
 Sample : ic3090-1
 Misc : MS57418,VZ3090,,,,,
 ALS Vial : 2 Sample Multiplier: 1

Inst : MSVOA15-Z

Quant Time: Sep 17 12:17:38 2024
 Quant Method : C:\msdchem\1\methods\SIMCL-09-17-2024.M
 Quant Title : SW-846 Method 5030/8260D SIM
 QLast Update : Wed Aug 28 11:30:23 2024
 Response via : Initial Calibration



(23) 1,2-Dibromo-3-Chloropropane

14.520min (+0.000) 0.17ug/L m

response 101

Ion	Exp%	Act%
75.00	100	100
155.00	116.30	85.37#
157.00	149.10	90.24#
39.00	55.20	124.39#

7.6.1.3
7



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\091724\
 Data File : Z76748.D
 Acq On : 17 Sep 2024 10:37 am
 Operator : samantha
 Sample : ic3090-2 Inst : MSVOA15-Z
 Misc : MS57418,VZ3090,,,,,
 ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 17 12:26:06 2024
 Quant Method : C:\msdchem\1\methods\SIMCL-09-17-2024.M
 Quant Title : SW-846 Method 5030/8260D SIM
 QLast Update : Wed Aug 28 11:30:23 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	

Internal Standards							
1) Fluorobenzene	7.895	96	18639	5.00	ug/L	0.00	
18) Chlorobenzene-d5	10.975	117	24141	5.00	ug/L	0.00	
System Monitoring Compounds							
13) 1,2-Dichloroethane-d4	7.621	65	6518	5.77	ug/L	0.00	
Spiked Amount	5.000	Range 74 - 125	Recovery	=	115.40%		
19) Toluene-d8	9.428	98	23545	4.37	ug/L	0.00	
Spiked Amount	5.000	Range 88 - 111	Recovery	=	87.40%#		
Target Compounds							
							Qvalue
2) Vinyl Chloride	3.184	62	1980	1.02	ug/L		98
3) Chloromethane	3.121	50	2158	0.98	ug/L		99
4) 1,1-Dichloroethene	4.562	61	1861	0.84	ug/L		97
5) Methylene Chloride	5.208	49	4978	1.79	ug/L		95
6) trans-1,2-Dichloroethene	5.384	61	1731	0.82	ug/L		94
7) 1,1-Dichloroethane	6.059	63	2314	0.96	ug/L		100
8) cis-1,2-Dichloroethene	6.625	96	1380	0.80	ug/L		99
9) Chloroform	6.878	83	2993	0.91	ug/L		96
10) Carbon Tetrachloride	7.051	117	1703	0.69	ug/L		96
11) 1,1,1-Trichloroethane	7.119	97	2090	0.79	ug/L		96
12) Benzene	7.493	78	4021	0.74	ug/L		93
14) 1,2-Dichloroethane	7.689	62	1658	0.80	ug/L		93
15) Trichloroethene	8.061	95	1032	0.69	ug/L		93
16) 1,2-Dichloropropane	8.582	63	1022	0.69	ug/L		92
17) cis-1,3-Dichloropropene	9.240	75	1555	0.67	ug/L		92
20) trans-1,3-Dichloropropene	9.874	75	1453	0.56	ug/L		94
21) Tetrachloroethene	9.869	166	1143	0.62	ug/L #		90
22) 1,4-Dichlorobenzene	13.354	146	2505	0.61	ug/L		90
23) 1,2-Dibromo-3-Chloropr...	14.517	75	433m	0.75	ug/L		

(#) = qualifier out of range (m) = manual integration (+) = signals summed

7.62
7

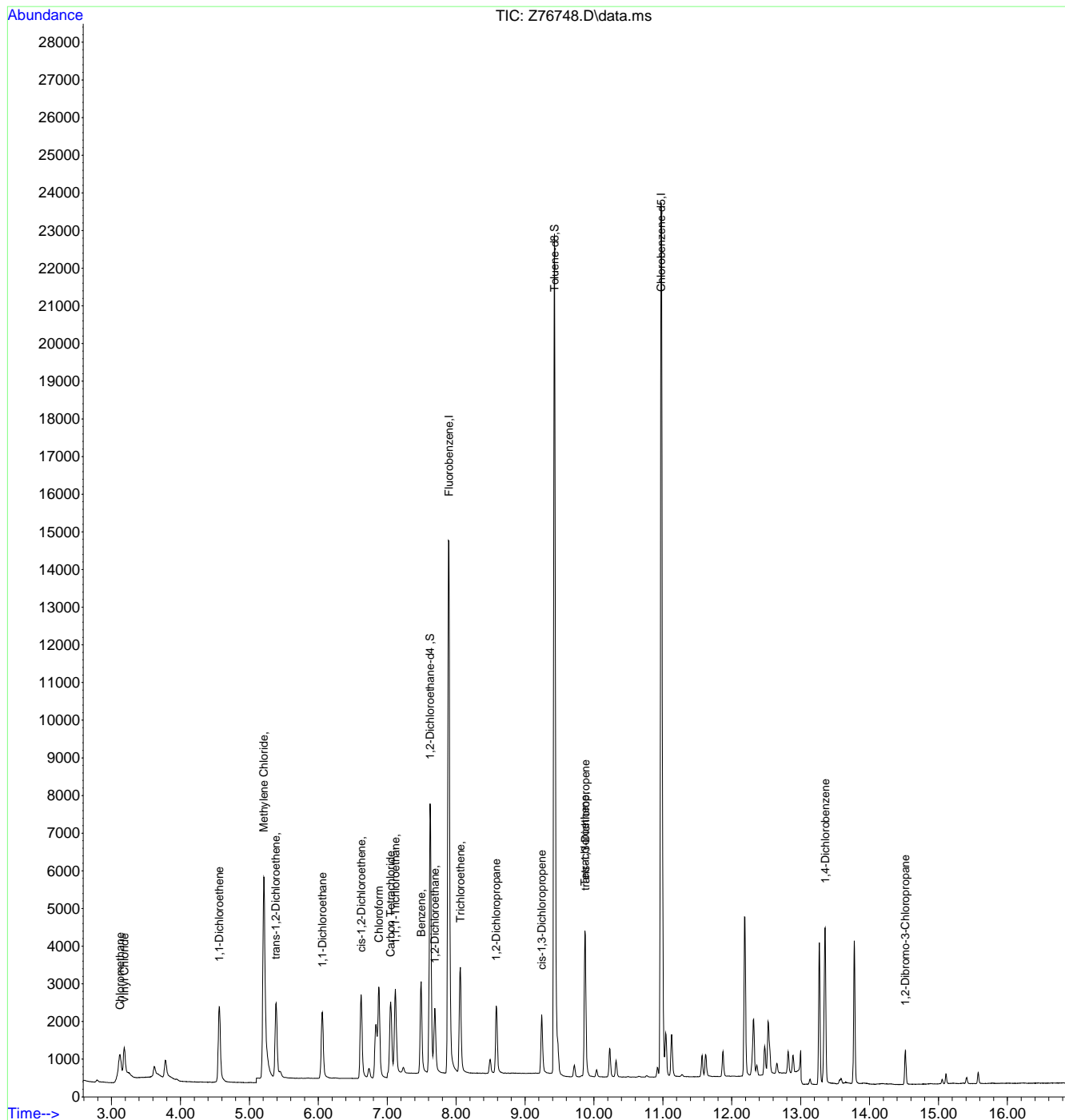


Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\091724\
 Data File : Z76748.D
 Acq On : 17 Sep 2024 10:37 am
 Operator : samantha
 Sample : ic3090-2
 Misc : MS57418,VZ3090,,,,,
 ALS Vial : 3 Sample Multiplier: 1

Inst : MSVOA15-Z

Quant Time: Sep 17 12:26:06 2024
 Quant Method : C:\msdchem\1\methods\SIMCL-09-17-2024.M
 Quant Title : SW-846 Method 5030/8260D SIM
 QLast Update : Wed Aug 28 11:30:23 2024
 Response via : Initial Calibration



7.6.2
7



Manual Integration Approval Summary

Sample Number: VZ3090-IC3090
Lab FileID: Z76748.D
Injection Time: 09/17/24 10:37

Method: SW846 8260D BY SIM
Analyst approved: 09/17/24 14:22 Samantha Skitowski
Supervisor approved: 09/18/24 10:13 Karen Watson

Parameter	CAS	Sig#	R.T. (min.)	Reason
1,2-Dibromo-3-chloropropane	96-12-8		14.52	Missed peak

7.6.2.1

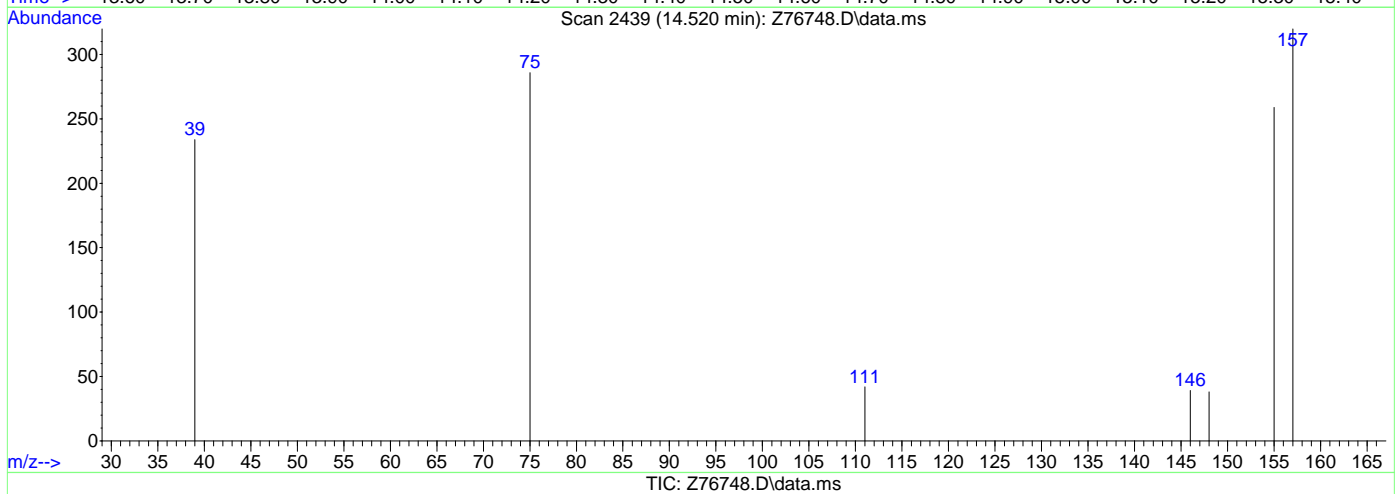
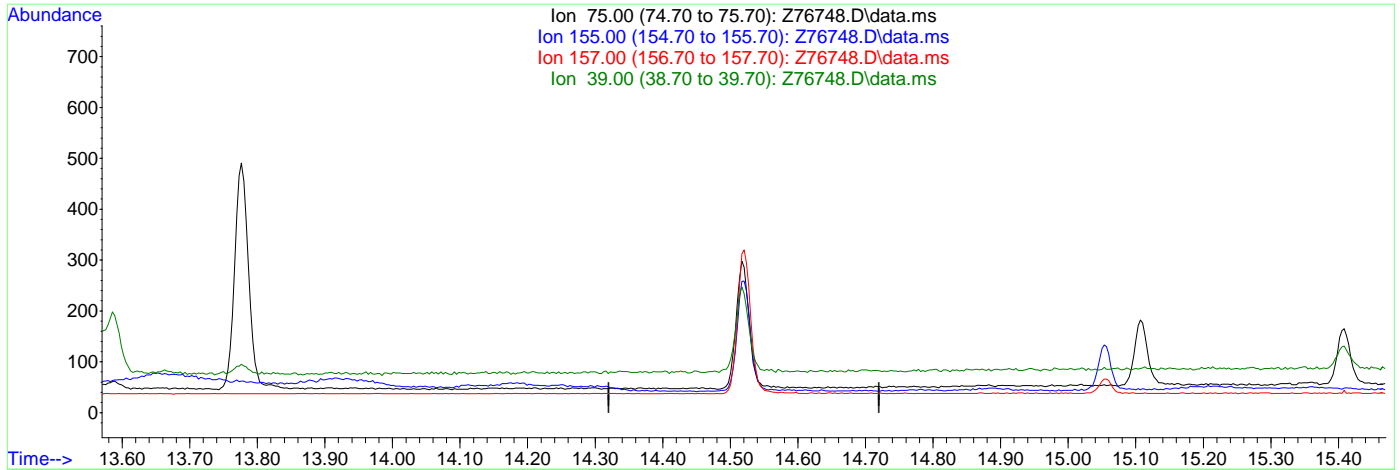
7

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\091724\
 Data File : Z76748.D
 Acq On : 17 Sep 2024 10:37 am
 Operator : samantha
 Sample : ic3090-2
 Misc : MS57418,VZ3090,,,,,
 ALS Vial : 3 Sample Multiplier: 1

Inst : MSVOA15-Z

Quant Time: Sep 17 12:17:40 2024
 Quant Method : C:\msdchem\1\methods\SIMCL-09-17-2024.M
 Quant Title : SW-846 Method 5030/8260D SIM
 QLast Update : Wed Aug 28 11:30:23 2024
 Response via : Initial Calibration



(23) 1,2-Dibromo-3-Chloropropane

14.520min (-14.520) 0.00ug/L

response 0

Ion	Exp%	Act%
75.00	100	0.00
155.00	116.30	0.00#
157.00	149.10	0.00#
39.00	55.20	0.00#

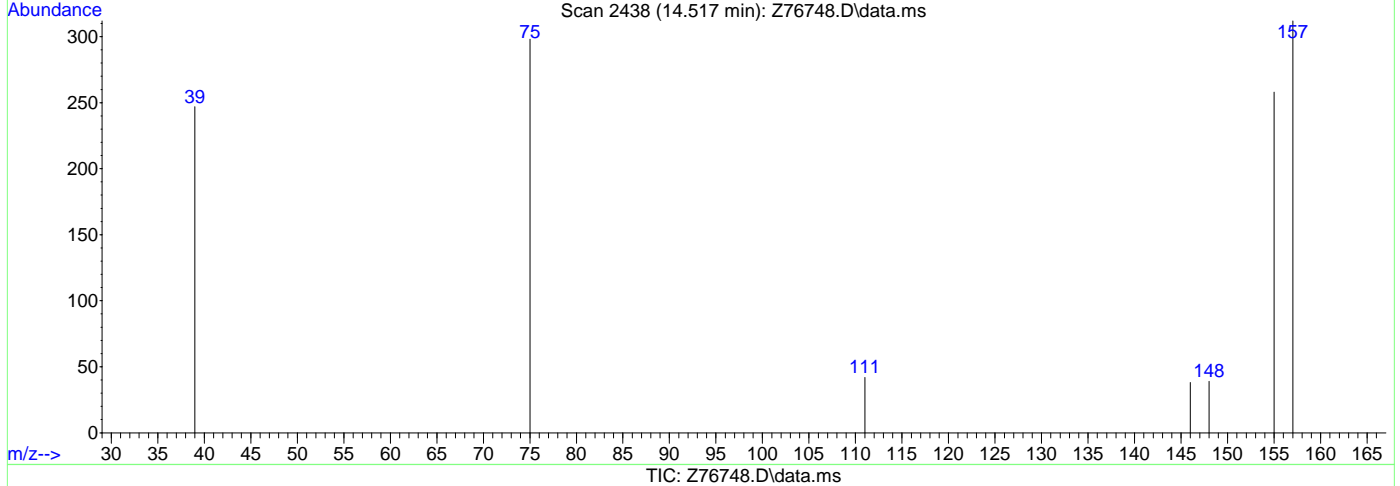
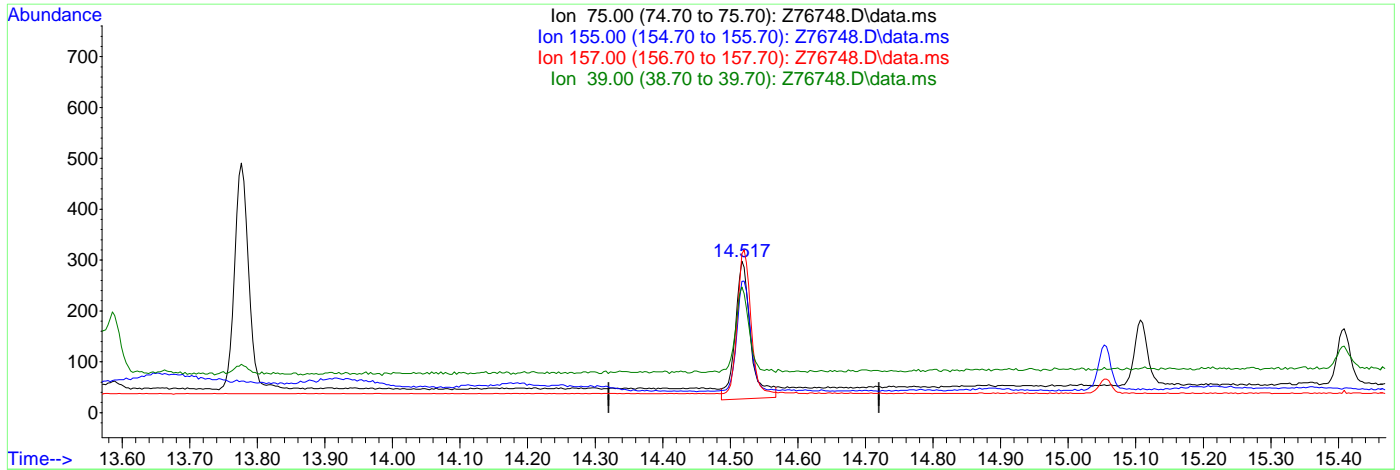
7.6.2.2
7

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\091724\
 Data File : Z76748.D
 Acq On : 17 Sep 2024 10:37 am
 Operator : samantha
 Sample : ic3090-2
 Misc : MS57418,VZ3090,,,,,
 ALS Vial : 3 Sample Multiplier: 1

Inst : MSVOA15-Z

Quant Time: Sep 17 12:17:40 2024
 Quant Method : C:\msdchem\1\methods\SIMCL-09-17-2024.M
 Quant Title : SW-846 Method 5030/8260D SIM
 QLast Update : Wed Aug 28 11:30:23 2024
 Response via : Initial Calibration



(23) 1,2-Dibromo-3-Chloropropane

14.517min (-0.003) 0.75ug/L m

response 433

Ion	Exp%	Act%
75.00	100	100
155.00	116.30	86.58
157.00	149.10	104.70#
39.00	55.20	82.89

7.6.2.3
7

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\091724\
 Data File : Z76749.D
 Acq On : 17 Sep 2024 11:00 am
 Operator : samantha
 Sample : ic3090-3 Inst : MSVOA15-Z
 Misc : MS57418,VZ3090,,,,,
 ALS Vial : 4 Sample Multiplier: 1

Quant Time: Sep 17 12:17:42 2024
 Quant Method : C:\msdchem\1\methods\SIMCL-09-17-2024.M
 Quant Title : SW-846 Method 5030/8260D SIM
 QLast Update : Wed Aug 28 11:30:23 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	

Internal Standards							
1) Fluorobenzene	7.889	96	18370	5.00	ug/L	0.00	
18) Chlorobenzene-d5	10.975	117	23750	5.00	ug/L	0.00	
System Monitoring Compounds							
13) 1,2-Dichloroethane-d4	7.621	65	6546	5.88	ug/L	0.00	
Spiked Amount	5.000	Range 74 - 125	Recovery	=	117.60%		
19) Toluene-d8	9.423	98	23155	4.37	ug/L	0.00	
Spiked Amount	5.000	Range 88 - 111	Recovery	=	87.40%#		
Target Compounds							
							Qvalue
2) Vinyl Chloride	3.179	62	4080	2.15	ug/L		99
3) Chloromethane	3.112	50	4574	2.12	ug/L		99
4) 1,1-Dichloroethene	4.557	61	5578	2.61	ug/L		98
5) Methylene Chloride	5.202	49	10571	4.03	ug/L		94
6) trans-1,2-Dichloroethene	5.378	61	5353	2.62	ug/L		93
7) 1,1-Dichloroethane	6.054	63	7163	3.02	ug/L		99
8) cis-1,2-Dichloroethene	6.619	96	4311	2.60	ug/L		97
9) Chloroform	6.878	83	8054	2.53	ug/L		98
10) Carbon Tetrachloride	7.045	117	4881	2.05	ug/L		98
11) 1,1,1-Trichloroethane	7.119	97	6086	2.37	ug/L		97
12) Benzene	7.486	78	12425	2.33	ug/L		96
14) 1,2-Dichloroethane	7.689	62	5161	2.58	ug/L		94
15) Trichloroethene	8.055	95	3194	2.19	ug/L		88
16) 1,2-Dichloropropane	8.582	63	3360	2.30	ug/L		92
17) cis-1,3-Dichloropropene	9.240	75	4955	2.17	ug/L		94
20) trans-1,3-Dichloropropene	9.869	75	4529	1.77	ug/L		94
21) Tetrachloroethene	9.869	166	3431	1.89	ug/L #		91
22) 1,4-Dichlorobenzene	13.354	146	8181	2.03	ug/L		94
23) 1,2-Dibromo-3-Chloropr...	14.517	75	962	1.71	ug/L #		73

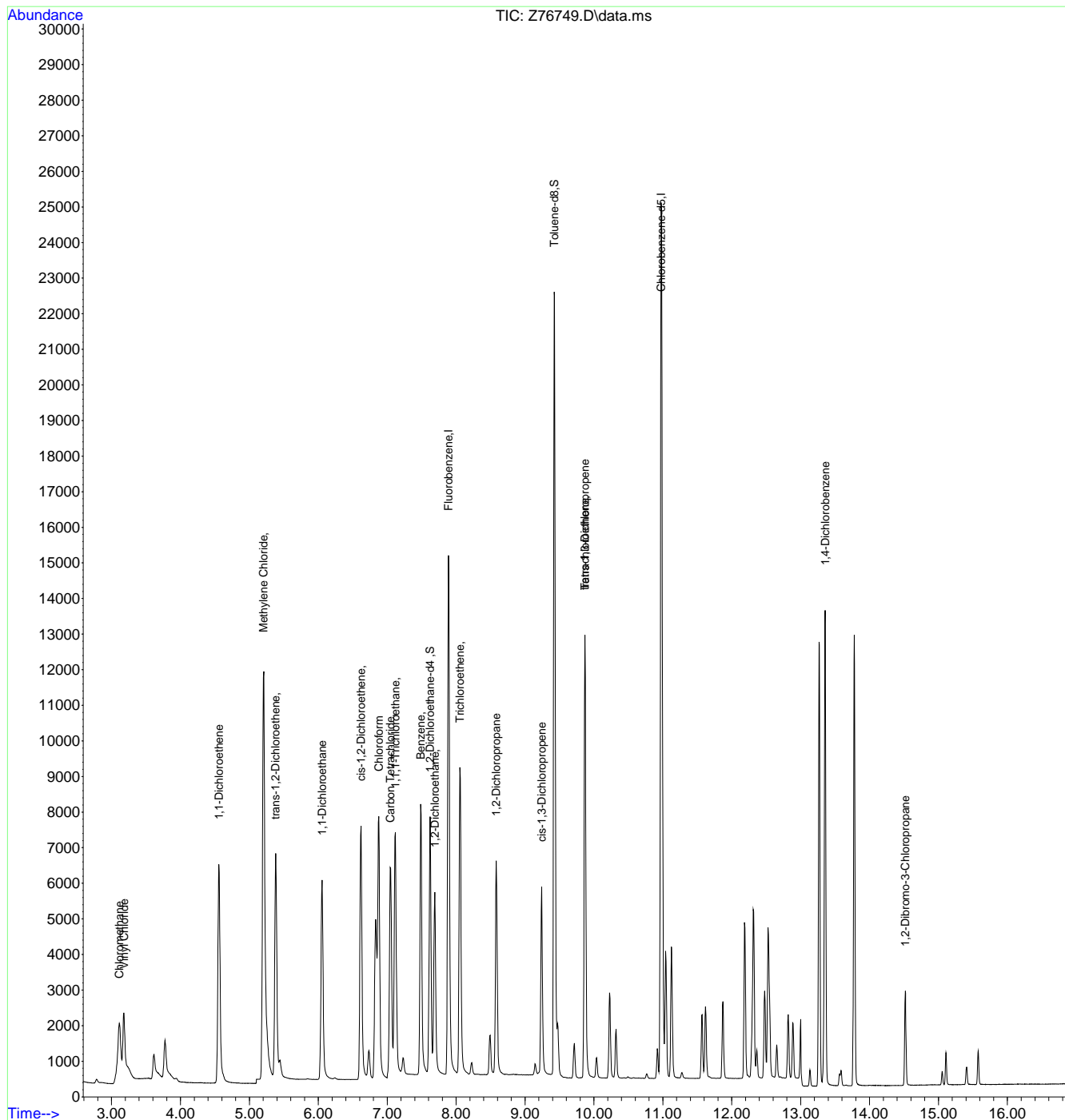
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\091724\
 Data File : Z76749.D
 Acq On : 17 Sep 2024 11:00 am
 Operator : samantha
 Sample : ic3090-3
 Misc : MS57418,VZ3090,,,,,
 ALS Vial : 4 Sample Multiplier: 1

Inst : MSVOA15-Z

Quant Time: Sep 17 12:17:42 2024
 Quant Method : C:\msdchem\1\methods\SIMCL-09-17-2024.M
 Quant Title : SW-846 Method 5030/8260D SIM
 QLast Update : Wed Aug 28 11:30:23 2024
 Response via : Initial Calibration



7.6.3
7



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\091724\
 Data File : Z76750.D
 Acq On : 17 Sep 2024 11:22 am
 Operator : samantha
 Sample : ic3090-4 Inst : MSVOA15-Z
 Misc : MS57418,VZ3090,,,,,
 ALS Vial : 5 Sample Multiplier: 1

Quant Time: Sep 17 12:17:44 2024
 Quant Method : C:\msdchem\1\methods\SIMCL-09-17-2024.M
 Quant Title : SW-846 Method 5030/8260D SIM
 QLast Update : Wed Aug 28 11:30:23 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	

Internal Standards							
1) Fluorobenzene	7.889	96	17817	5.00	ug/L	0.00	
18) Chlorobenzene-d5	10.975	117	22366	5.00	ug/L	0.00	
System Monitoring Compounds							
13) 1,2-Dichloroethane-d4	7.621	65	5966	5.53	ug/L	0.00	
Spiked Amount	5.000	Range 74 - 125	Recovery	=	110.60%		
19) Toluene-d8	9.423	98	21676	4.35	ug/L	0.00	
Spiked Amount	5.000	Range 88 - 111	Recovery	=	87.00%#		
Target Compounds							
							Qvalue
2) Vinyl Chloride	3.171	62	9117	5.09	ug/L		99
3) Chloromethane	3.104	50	10097	4.95	ug/L		99
4) 1,1-Dichloroethene	4.553	61	12705	6.36	ug/L		99
5) Methylene Chloride	5.202	49	16103	6.66	ug/L		98
6) trans-1,2-Dichloroethene	5.378	61	11875	6.18	ug/L		98
7) 1,1-Dichloroethane	6.048	63	15730	6.84	ug/L		100
8) cis-1,2-Dichloroethene	6.614	96	9422	6.05	ug/L		94
9) Chloroform	6.872	83	16943	5.71	ug/L		96
10) Carbon Tetrachloride	7.045	117	11216	5.05	ug/L		99
11) 1,1,1-Trichloroethane	7.112	97	13895	5.76	ug/L		95
12) Benzene	7.486	78	28114	5.44	ug/L		95
14) 1,2-Dichloroethane	7.689	62	11422	6.06	ug/L		95
15) Trichloroethene	8.055	95	7380	5.29	ug/L		91
16) 1,2-Dichloropropane	8.582	63	7714	5.45	ug/L		92
17) cis-1,3-Dichloropropene	9.240	75	11344	5.19	ug/L		94
20) trans-1,3-Dichloropropene	9.869	75	10338	4.29	ug/L		94
21) Tetrachloroethene	9.869	166	7655	4.52	ug/L #		91
22) 1,4-Dichlorobenzene	13.354	146	18297	4.81	ug/L		95
23) 1,2-Dibromo-3-Chloropr...	14.517	75	2182	4.18	ug/L #		72

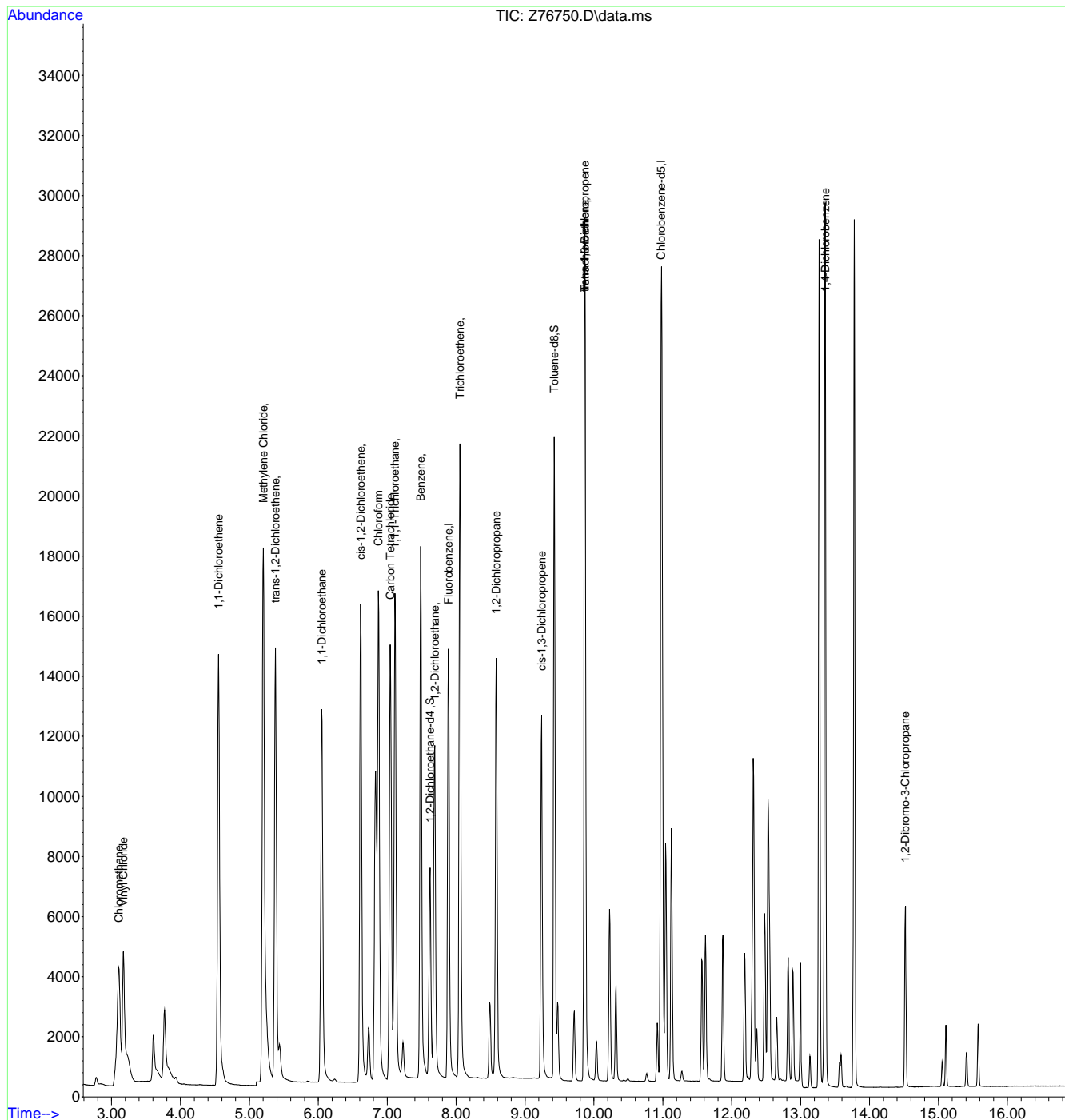
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\091724\
 Data File : Z76750.D
 Acq On : 17 Sep 2024 11:22 am
 Operator : samantha
 Sample : ic3090-4
 Misc : MS57418,VZ3090,,,,,
 ALS Vial : 5 Sample Multiplier: 1

Inst : MSVOA15-Z

Quant Time: Sep 17 12:17:44 2024
 Quant Method : C:\msdchem\1\methods\SIMCL-09-17-2024.M
 Quant Title : SW-846 Method 5030/8260D SIM
 QLast Update : Wed Aug 28 11:30:23 2024
 Response via : Initial Calibration



7.6.4
7

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\091724\
 Data File : Z76751.D
 Acq On : 17 Sep 2024 11:45 am
 Operator : samantha
 Sample : icc3090-5 Inst : MSVOA15-Z
 Misc : MS57418,VZ3090,,,,,
 ALS Vial : 6 Sample Multiplier: 1

Quant Time: Sep 17 12:17:46 2024
 Quant Method : C:\msdchem\1\methods\SIMCL-09-17-2024.M
 Quant Title : SW-846 Method 5030/8260D SIM
 QLast Update : Wed Aug 28 11:30:23 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	

Internal Standards							
1) Fluorobenzene	7.895	96	20026	5.00	ug/L	0.00	
18) Chlorobenzene-d5	10.975	117	23941	5.00	ug/L	0.00	
System Monitoring Compounds							
13) 1,2-Dichloroethane-d4	7.621	65	6353	5.24	ug/L	0.00	
Spiked Amount	5.000	Range 74 - 125	Recovery	=	104.80%		
19) Toluene-d8	9.428	98	23561	4.41	ug/L	0.00	
Spiked Amount	5.000	Range 88 - 111	Recovery	=	88.20%		
Target Compounds							
							Qvalue
2) Vinyl Chloride	3.183	62	19313	10.06	ug/L		99
3) Chloromethane	3.120	50	21064	9.56	ug/L		98
4) 1,1-Dichloroethene	4.561	61	29217	14.13	ug/L		99
5) Methylene Chloride	5.208	49	29482	12.25	ug/L		96
6) trans-1,2-Dichloroethene	5.384	61	27232	13.50	ug/L		96
7) 1,1-Dichloroethane	6.054	63	35463	13.73	ug/L		100
8) cis-1,2-Dichloroethene	6.619	96	21217	12.90	ug/L		94
9) Chloroform	6.877	83	37436	12.26	ug/L		96
10) Carbon Tetrachloride	7.051	117	26722	11.75	ug/L		99
11) 1,1,1-Trichloroethane	7.119	97	32250	12.79	ug/L		96
12) Benzene	7.492	78	67161	11.57	ug/L		93
14) 1,2-Dichloroethane	7.689	62	25564	12.82	ug/L		94
15) Trichloroethene	8.055	95	18235	11.99	ug/L		88
16) 1,2-Dichloropropane	8.582	63	18520	11.64	ug/L		92
17) cis-1,3-Dichloropropene	9.240	75	27216	11.40	ug/L		93
20) trans-1,3-Dichloropropene	9.869	75	24410	9.44	ug/L		94
21) Tetrachloroethene	9.869	166	17980	10.11	ug/L #		91
22) 1,4-Dichlorobenzene	13.354	146	42184	10.36	ug/L		95
23) 1,2-Dibromo-3-Chloropr...	14.517	75	4963	9.16	ug/L #		73

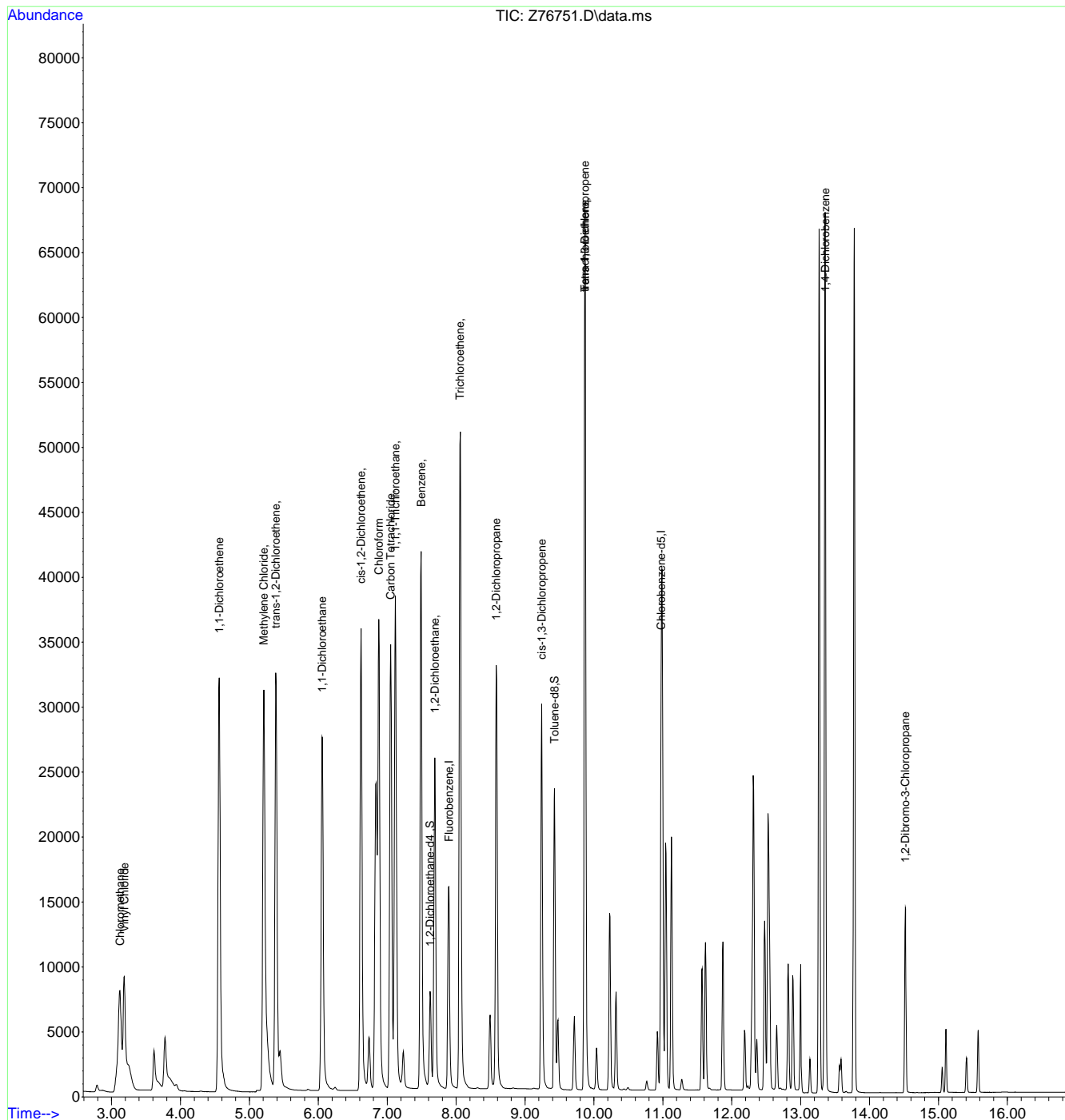
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\091724\
 Data File : Z76751.D
 Acq On : 17 Sep 2024 11:45 am
 Operator : samantha
 Sample : icc3090-5
 Misc : MS57418,VZ3090,,,,,
 ALS Vial : 6 Sample Multiplier: 1

Inst : MSVOA15-Z

Quant Time: Sep 17 12:17:46 2024
 Quant Method : C:\msdchem\1\methods\SIMCL-09-17-2024.M
 Quant Title : SW-846 Method 5030/8260D SIM
 QLast Update : Wed Aug 28 11:30:23 2024
 Response via : Initial Calibration



7.6.5
7



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\091724\
 Data File : Z76752.D
 Acq On : 17 Sep 2024 12:08 pm
 Operator : samantha
 Sample : ic3090-6 Inst : MSVOA15-Z
 Misc : MS57418,VZ3090,,,,,
 ALS Vial : 7 Sample Multiplier: 1

Quant Time: Sep 17 12:26:47 2024
 Quant Method : C:\msdchem\1\methods\SIMCL-09-17-2024.M
 Quant Title : SW-846 Method 5030/8260D SIM
 QLast Update : Wed Aug 28 11:30:23 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Fluorobenzene	7.895	96	21028	5.00	ug/L	0.00
18) Chlorobenzene-d5	10.975	117	24621	5.00	ug/L	0.00
System Monitoring Compounds						
13) 1,2-Dichloroethane-d4	7.622	65	6665	5.23	ug/L	0.00
Spiked Amount	5.000	Range 74 - 125	Recovery	=	104.60%	
19) Toluene-d8	9.429	98	24213	4.41	ug/L	0.00
Spiked Amount	5.000	Range 88 - 111	Recovery	=	88.20%	
Target Compounds						
						Qvalue
2) Vinyl Chloride	3.184	62	29353	15.35	ug/L	99
3) Chloromethane	3.121	50	32000	14.46	ug/L	98
4) 1,1-Dichloroethene	4.562	61	38359	18.60	ug/L	99
5) Methylene Chloride	5.208	49	42506	21.18	ug/L	95
6) trans-1,2-Dichloroethene	5.384	61	36988	18.32	ug/L	95
7) 1,1-Dichloroethane	6.059	63	49037	18.07	ug/L	99
8) cis-1,2-Dichloroethene	6.625	96	29902	18.19	ug/L	99
9) Chloroform	6.878	83	52257	17.66	ug/L	96
10) Carbon Tetrachloride	7.051	117	35513	15.82	ug/L	99
11) 1,1,1-Trichloroethane	7.119	97	43301	17.16	ug/L	96
12) Benzene	7.493	78	96862	15.89	ug/L	93
14) 1,2-Dichloroethane	7.689	62	37383	18.93	ug/L	94
15) Trichloroethene	8.061	95	26127	16.73	ug/L	93
16) 1,2-Dichloropropane	8.582	63	27390	16.39	ug/L	91
17) cis-1,3-Dichloropropene	9.241	75	41319	16.91	ug/L	93
20) trans-1,3-Dichloropropene	9.869	75	37301	14.00	ug/L	94
21) Tetrachloroethene	9.869	166	24307	13.45	ug/L #	90
22) 1,4-Dichlorobenzene	13.354	146	61156	14.61	ug/L	95
23) 1,2-Dibromo-3-Chloropr...	14.517	75	7281	13.45	ug/L #	76

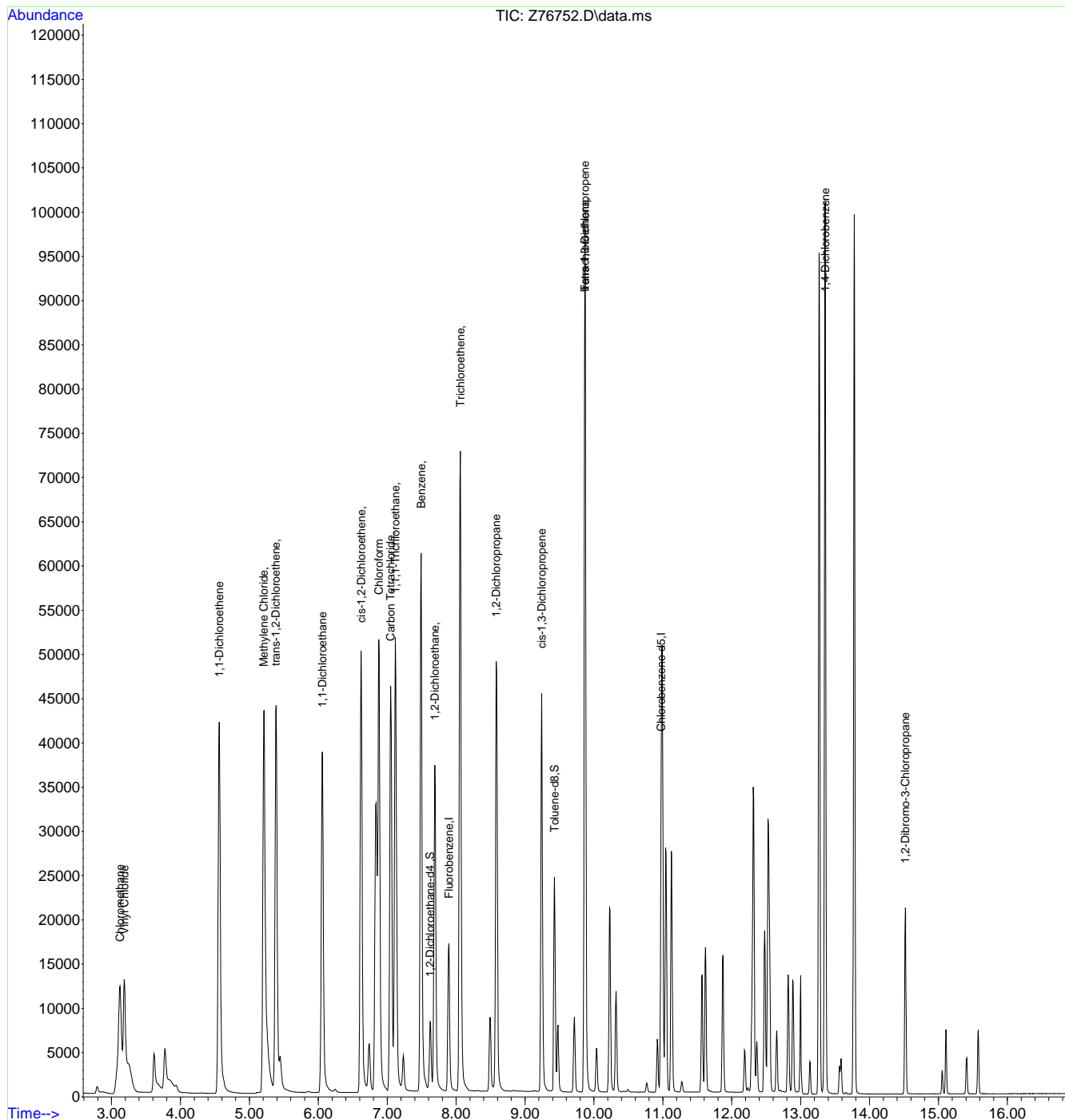
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\091724\
 Data File : Z76752.D
 Acq On : 17 Sep 2024 12:08 pm
 Operator : samantha
 Sample : ic3090-6
 Misc : MS57418,VZ3090,,,,,
 ALS Vial : 7 Sample Multiplier: 1

Inst : MSVOA15-Z

Quant Time: Sep 17 12:26:47 2024
 Quant Method : C:\msdchem\1\methods\SIMCL-09-17-2024.M
 Quant Title : SW-846 Method 5030/8260D SIM
 QLast Update : Wed Aug 28 11:30:23 2024
 Response via : Initial Calibration



9.9.7

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\091724\
 Data File : Z76753.D
 Acq On : 17 Sep 2024 12:31 pm
 Operator : samantha
 Sample : ic3090-7 Inst : MSVOA15-Z
 Misc : MS57418,VZ3090,,,,,
 ALS Vial : 8 Sample Multiplier: 1

Quant Time: Sep 17 13:26:18 2024
 Quant Method : C:\msdchem\1\methods\SIMCL-09-17-2024.M
 Quant Title : SW-846 Method 5030/8260D SIM
 QLast Update : Wed Aug 28 11:30:23 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	

Internal Standards							
1) Fluorobenzene	7.894	96	21774	5.00	ug/L	0.00	
18) Chlorobenzene-d5	10.975	117	24885	5.00	ug/L	0.00	
System Monitoring Compounds							
13) 1,2-Dichloroethane-d4	7.628	65	6628	5.02	ug/L	0.00	
Spiked Amount	5.000	Range 74 - 125	Recovery	=	100.40%		
19) Toluene-d8	9.428	98	24638	4.44	ug/L	0.00	
Spiked Amount	5.000	Range 88 - 111	Recovery	=	88.80%		
Target Compounds							
							Qvalue
2) Vinyl Chloride	3.188	62	38734	20.70	ug/L		99
3) Chloromethane	3.125	50	41874	19.09	ug/L		99
4) 1,1-Dichloroethene	4.561	61	55060	29.64	ug/L		97
5) Methylene Chloride	5.213	49	55639	Below	Cal		98
6) trans-1,2-Dichloroethene	5.389	61	52106	27.51	ug/L		99
7) 1,1-Dichloroethane	6.059	63	68231	24.29	ug/L		100
8) cis-1,2-Dichloroethene	6.625	96	41325	26.32	ug/L		98
9) Chloroform	6.883	83	72112	27.98	ug/L		98
10) Carbon Tetrachloride	7.051	117	51892	27.03	ug/L		99
11) 1,1,1-Trichloroethane	7.119	97	61742	26.32	ug/L		95
12) Benzene	7.492	78	138836	22.00	ug/L		94
14) 1,2-Dichloroethane	7.689	62	50349	26.64	ug/L		93
15) Trichloroethene	8.060	95	38138	24.51	ug/L		92
16) 1,2-Dichloropropane	8.588	63	38328	22.15	ug/L		92
17) cis-1,3-Dichloropropene	9.240	75	58209	23.79	ug/L		92
20) trans-1,3-Dichloropropene	9.869	75	52451	19.41	ug/L		94
21) Tetrachloroethene	9.869	166	35051	19.62	ug/L #		90
22) 1,4-Dichlorobenzene	13.354	146	83827	19.81	ug/L		95
23) 1,2-Dibromo-3-Chloropr...	14.517	75	9864	18.69	ug/L #		73

(#) = qualifier out of range (m) = manual integration (+) = signals summed

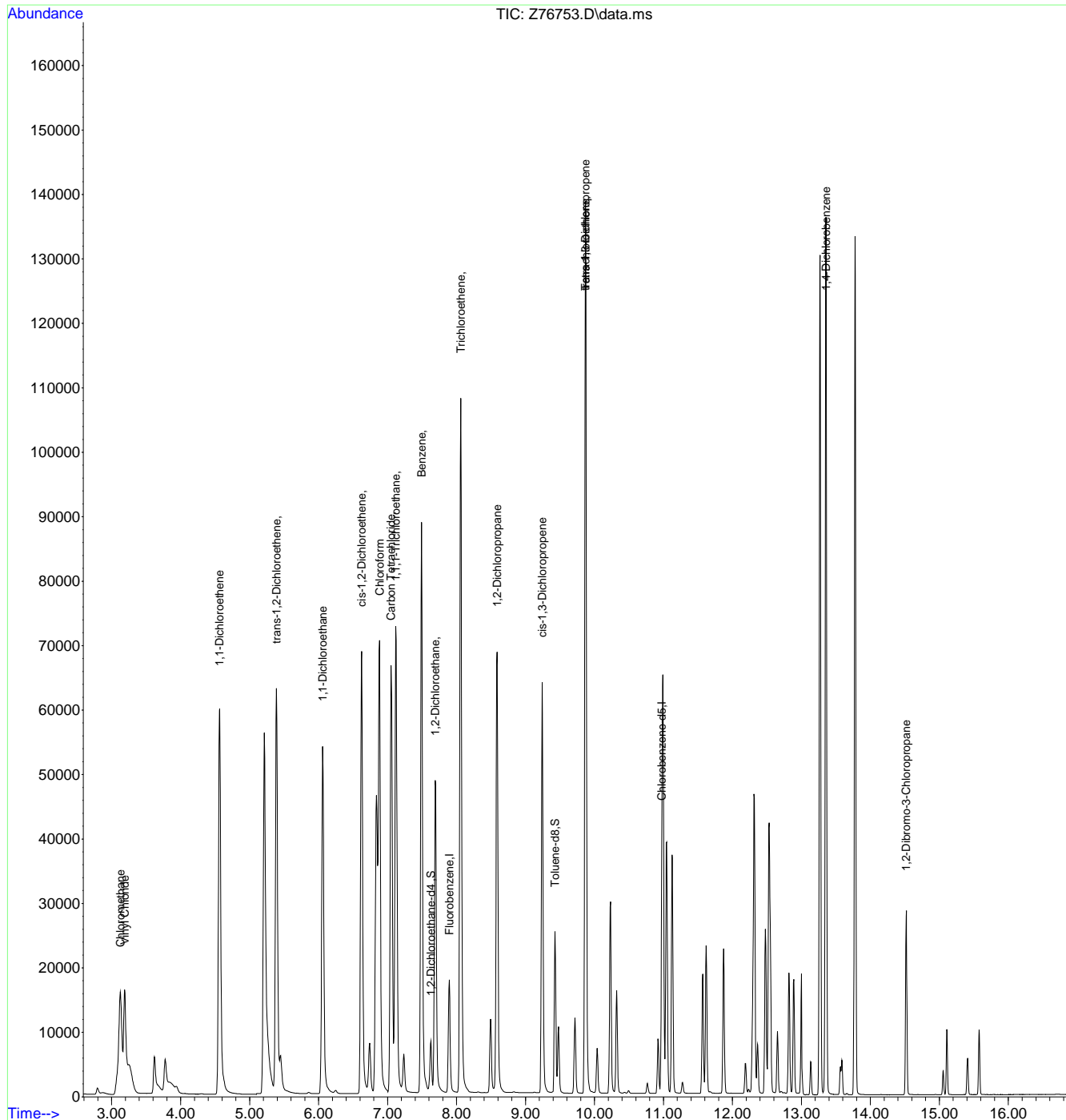
7.67
7

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\091724\
 Data File : Z76753.D
 Acq On : 17 Sep 2024 12:31 pm
 Operator : samantha
 Sample : ic3090-7
 Misc : MS57418,VZ3090,,,,,
 ALS Vial : 8 Sample Multiplier: 1

Inst : MSVOA15-Z

Quant Time: Sep 17 13:26:18 2024
 Quant Method : C:\msdchem\1\methods\SIMCL-09-17-2024.M
 Quant Title : SW-846 Method 5030/8260D SIM
 QLast Update : Wed Aug 28 11:30:23 2024
 Response via : Initial Calibration



7.6.7
7

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\091724\
 Data File : Z76755.D
 Acq On : 17 Sep 2024 1:17 pm
 Operator : samantha
 Sample : icv3090-5 Inst : MSVOA15-Z
 Misc : MS57418,VZ3090,,,,,
 ALS Vial : 10 Sample Multiplier: 1

Quant Time: Sep 17 13:34:57 2024
 Quant Method : C:\msdchem\1\methods\SIMCL-09-17-2024.M
 Quant Title : SW-846 Method 5030/8260D SIM
 QLast Update : Tue Sep 17 13:29:24 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	

Internal Standards							
1) Fluorobenzene	7.895	96	20314	5.00	ug/L	0.00	
18) Chlorobenzene-d5	10.975	117	24842	5.00	ug/L	0.00	
System Monitoring Compounds							
13) 1,2-Dichloroethane-d4	7.621	65	6634	4.97	ug/L	0.00	
Spiked Amount	5.000	Range 74 - 125	Recovery	=	99.40%		
19) Toluene-d8	9.428	98	24449	5.03	ug/L	0.00	
Spiked Amount	5.000	Range 88 - 111	Recovery	=	100.60%		
Target Compounds							
							Qvalue
2) Vinyl Chloride	3.184	62	18459	9.26	ug/L		100
3) Chloromethane	3.120	50	20333	9.30	ug/L		100
4) 1,1-Dichloroethene	4.561	61	27537	9.91	ug/L		99
5) Methylene Chloride	5.208	49	31547	10.01	ug/L		96
6) trans-1,2-Dichloroethene	5.384	61	26280	10.02	ug/L		96
7) 1,1-Dichloroethane	6.059	63	34046	9.84	ug/L		100
8) cis-1,2-Dichloroethene	6.625	96	20701	9.94	ug/L		94
9) Chloroform	6.878	83	36457	9.88	ug/L		99
10) Carbon Tetrachloride	7.051	117	25161	9.63	ug/L		100
11) 1,1,1-Trichloroethane	7.119	97	31398	10.21	ug/L		99
12) Benzene	7.493	78	65756	9.94	ug/L		98
14) 1,2-Dichloroethane	7.689	62	25937	10.19	ug/L		99
15) Trichloroethene	8.061	95	18038	9.72	ug/L		98
16) 1,2-Dichloropropane	8.582	63	18577	10.02	ug/L		99
17) cis-1,3-Dichloropropene	9.240	75	26004	9.36	ug/L		98
20) trans-1,3-Dichloropropene	9.869	75	21573	8.57	ug/L		99
21) Tetrachloroethene	9.869	166	17324	9.94	ug/L #		99
22) 1,4-Dichlorobenzene	13.354	146	41194	9.63	ug/L		99
23) 1,2-Dibromo-3-Chloropr...	14.517	75	4836	9.64	ug/L		99

(#) = qualifier out of range (m) = manual integration (+) = signals summed



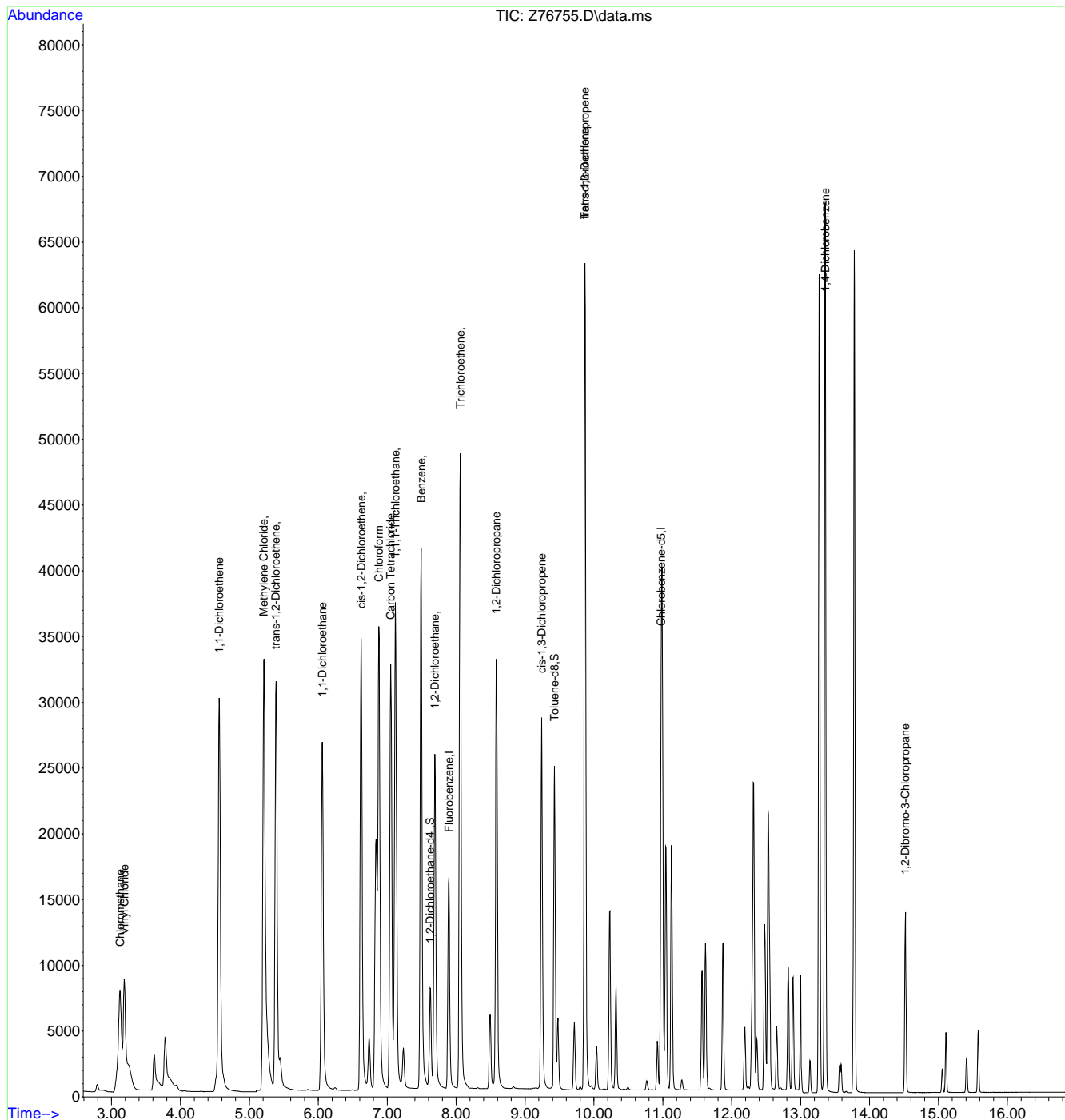
7.6.8
7

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\091724\
 Data File : Z76755.D
 Acq On : 17 Sep 2024 1:17 pm
 Operator : samantha
 Sample : icv3090-5
 Misc : MS57418,VZ3090,,,,,
 ALS Vial : 10 Sample Multiplier: 1

Inst : MSVOA15-Z

Quant Time: Sep 17 13:34:57 2024
 Quant Method : C:\msdchem\1\methods\SIMCL-09-17-2024.M
 Quant Title : SW-846 Method 5030/8260D SIM
 QLast Update : Tue Sep 17 13:29:24 2024
 Response via : Initial Calibration



8'9'7



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\091724\
 Data File : Z76766.D
 Acq On : 17 Sep 2024 5:55 pm
 Operator : samantha
 Sample : ecc3090-5 Inst : MSVOA15-Z
 Misc : MS57511,VZ3090,,,,,
 ALS Vial : 21 Sample Multiplier: 1

Quant Time: Sep 18 08:42:56 2024
 Quant Method : C:\msdchem\1\methods\SIMCL-09-17-2024.M
 Quant Title : SW-846 Method 5030/8260D SIM
 QLast Update : Tue Sep 17 13:29:24 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	

Internal Standards							
1) Fluorobenzene	7.895	96	18331	5.00	ug/L	0.00	
18) Chlorobenzene-d5	10.981	117	22828	5.00	ug/L	0.00	
System Monitoring Compounds							
13) 1,2-Dichloroethane-d4	7.628	65	6304	5.23	ug/L	0.00	
Spiked Amount	5.000	Range 74 - 125	Recovery	=	104.60%		
19) Toluene-d8	9.429	98	22449	5.02	ug/L	0.00	
Spiked Amount	5.000	Range 88 - 111	Recovery	=	100.40%		
Target Compounds							
							Qvalue
2) Vinyl Chloride	3.188	62	25521	14.94	ug/L		99
3) Chloromethane	3.125	50	26805	14.31	ug/L		100
4) 1,1-Dichloroethene	4.562	61	26973	10.86	ug/L		97
5) Methylene Chloride	5.213	49	28070	9.83	ug/L		99
6) trans-1,2-Dichloroethene	5.389	61	25106	10.67	ug/L		100
7) 1,1-Dichloroethane	6.059	63	33128	10.69	ug/L		100
8) cis-1,2-Dichloroethene	6.625	96	20984	11.29	ug/L		97
9) Chloroform	6.883	83	34484	10.41	ug/L		98
10) Carbon Tetrachloride	7.051	117	23450	9.99	ug/L		100
11) 1,1,1-Trichloroethane	7.119	97	29362	10.61	ug/L		99
12) Benzene	7.493	78	61824	10.38	ug/L		100
14) 1,2-Dichloroethane	7.689	62	24164	10.56	ug/L		98
15) Trichloroethene	8.061	95	16534	9.87	ug/L		99
16) 1,2-Dichloropropane	8.588	63	17078	10.21	ug/L		99
17) cis-1,3-Dichloropropene	9.240	75	24468	9.76	ug/L		96
20) trans-1,3-Dichloropropene	9.874	75	22031	9.52	ug/L		99
21) Tetrachloroethene	9.869	166	15539	9.70	ug/L #		98
22) 1,4-Dichlorobenzene	13.354	146	37575	9.56	ug/L		99
23) 1,2-Dibromo-3-Chloropr...	14.517	75	4395	9.53	ug/L		95

(#) = qualifier out of range (m) = manual integration (+) = signals summed



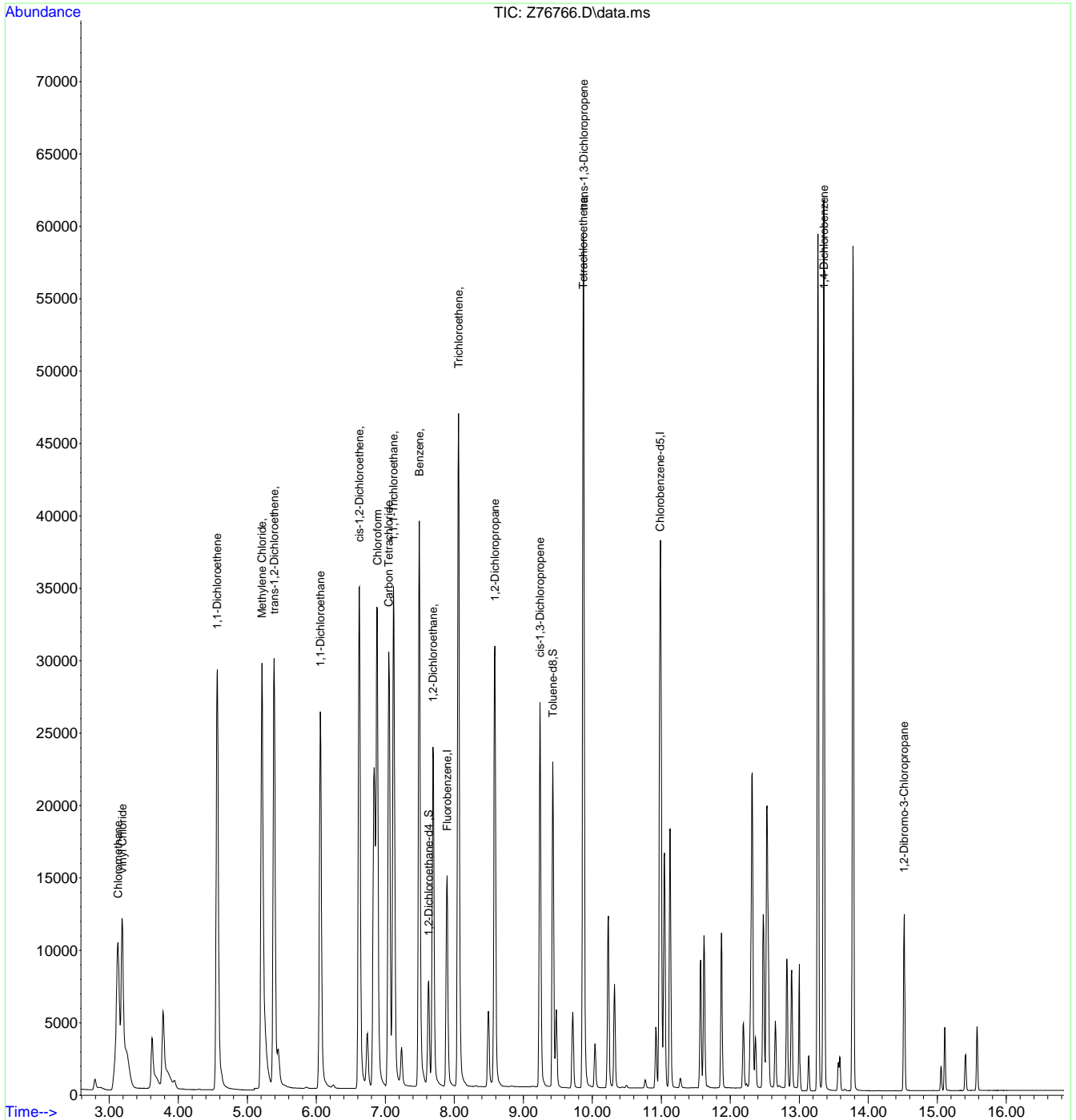
7.6.9
7

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\091724\
 Data File : Z76766.D
 Acq On : 17 Sep 2024 5:55 pm
 Operator : samantha
 Sample : ecc3090-5
 Misc : MS57511,VZ3090,,,,,
 ALS Vial : 21 Sample Multiplier: 1

Inst : MSVOA15-Z

Quant Time: Sep 18 08:42:56 2024
 Quant Method : C:\msdchem\1\methods\SIMCL-09-17-2024.M
 Quant Title : SW-846 Method 5030/8260D SIM
 QLast Update : Tue Sep 17 13:29:24 2024
 Response via : Initial Calibration



**Appendix B:
Select Monitoring Wells COC Trends**

Table B1. Well Trend Figure List

By Well ID/Figure #			
Well ID	Figure #B	Hydraulic Zone	EISB Deployment Area
A-Aquifer			
EISB-EW-01	1	5	Pilot Study
EISB-EW-09	2	5	Pilot Study
EW-BW-109-A	3	1	1C
EW-BW-124-A	4	4	2A
EW-BW-129-A	5	4	2A
EW-BW-135-A	6	4	2A
EW-BW-140-A	7	4	2A
EW-BW-144-A	8	4	2A
EW-BW-149-A	9	4	2B
EW-BW-155-A	10	4	2B
EW-BW-160-A	11	2	3A
EW-BW-165-A	12	3	3A
MW-B-12-A	13	4	None
MW-B-14-A	14	4	2B
MW-BW-17-A	15	4	2A
MW-BW-26-A	16	4	2A
MW-BW-27-A	17	4	2B
MW-BW-28-A	18	4	None
MW-BW-31-A	19	4	None
MW-BW-32-A	20	4	None
MW-BW-35-A	21	4	None
MW-BW-36-A	22	4	None
MW-BW-48-A	23	5	None
MW-BW-49-A	24	5	None
MW-BW-56-A	25	3	3A
MW-BW-58-A	26	2	3A
MW-BW-65-A	27	5	None
MW-BW-66-A	28	5	Pilot Study
MW-BW-74-A	29	5	None
MW-BW-75-A	30	5	None
MW-BW-77-A	31	5	None
MW-BW-78-A	32	5	None
MW-BW-79-A	33	5	None
MW-BW-80-A	34	5	None
MW-BW-81-A	35	5	None
MW-BW-82-A	36	5	None
MW-BW-83-A	37	5	None
MW-BW-85-A	38	2	None
MW-BW-87-A	39	2	3A
MW-BW-88-A	40	3	None

Table B1. Well Trend Figure List

Well ID	Figure #B	Hydraulic Zone	EISB Deployment Area
MW-BW-89-A	41	3	None
MW-BW-90-A	42	2	None
MW-BW-91-A	43	2	3A
MW-BW-92-A	44	4	None
MW-BW-93-A	45	3	None
MW-BW-94-AR	46	2	None
MW-BW-95-A	47	3	None
MW-BW-101-A	48	2	None
MW-BW-102-A	49	2	None
MW-BW-103-A	50	2	None
Upper 180-Foot Aquifer			
EW-OU2-09-180	51	6	N/A
MP-BW-33-272	52	6	N/A
MP-BW-46-170	53	6	N/A
MW-BW-21-180	54	6	N/A
MW-BW-52-180	55	6	N/A
MW-BW-57-180	56	6	N/A
MW-OU2-64-180	57	6	N/A
MW-OU2-67-180	58	6	N/A
Lower 180-Foot Aquifer			
EW-OU2-07-180	59	N/A	N/A
FO-29	60	N/A	N/A
FO-30	61	N/A	N/A
FO-31	62	N/A	N/A
MP-BW-41-353	63	N/A	N/A
MP-BW-42-345	64	N/A	N/A
MP-BW-49-287	65	7	N/A
MP-BW-49-316	66	7	N/A
MP-BW-49-400	67	7	N/A
MP-BW-50-339	68	7	N/A
MP-BW-50-384	69	7	N/A
MP-BW-51-405	70	7	N/A
MW-BW-04-180	71	N/A	N/A
MW-BW-59-180	72	N/A	N/A
MW-OU2-69-180	73	7	N/A
MW-OU2-72-180	74	N/A	N/A
MW-OU2-78-180	75	N/A	N/A
MW-OU2-82-180	76	N/A	N/A

Table B1. Well Trend Figure List

By Hydraulic Zone			
Well ID	Figure #B	Hydraulic Zone	EISB Deployment Area
A-Aquifer			
EW-BW-109-A	3	1	1C
EW-BW-160-A	11	2	3A
MW-BW-58-A	26	2	3A
MW-BW-85-A	38	2	None
MW-BW-87-A	39	2	3A
MW-BW-90-A	42	2	None
MW-BW-91-A	43	2	3A
MW-BW-94-AR	46	2	None
MW-BW-101-A	48	2	None
MW-BW-102-A	49	2	None
MW-BW-103-A	50	2	None
EW-BW-165-A	12	3	3A
MW-BW-56-A	25	3	3A
MW-BW-88-A	40	3	None
MW-BW-89-A	41	3	None
MW-BW-93-A	45	3	None
MW-BW-95-A	47	3	None
EW-BW-124-A	4	4	2A
EW-BW-129-A	5	4	2A
EW-BW-135-A	6	4	2A
EW-BW-140-A	7	4	2A
EW-BW-144-A	8	4	2A
EW-BW-149-A	9	4	2B
EW-BW-155-A	10	4	2B
MW-B-12-A	13	4	None
MW-B-14-A	14	4	2B
MW-BW-17-A	15	4	2A
MW-BW-26-A	16	4	2A
MW-BW-27-A	17	4	2B
MW-BW-28-A	18	4	None
MW-BW-31-A	19	4	None
MW-BW-32-A	20	4	None
MW-BW-35-A	21	4	None
MW-BW-36-A	22	4	None
MW-BW-92-A	44	4	None
EISB-EW-01	1	5	Pilot Study
EISB-EW-09	2	5	Pilot Study
MW-BW-48-A	23	5	None
MW-BW-49-A	24	5	None
MW-BW-65-A	27	5	None

Table B1. Well Trend Figure List

Well ID	Figure #B	Hydraulic Zone	EISB Deployment Area
MW-BW-66-A	28	5	Pilot Study
MW-BW-74-A	29	5	None
MW-BW-75-A	30	5	None
MW-BW-77-A	31	5	None
MW-BW-78-A	32	5	None
MW-BW-79-A	33	5	None
MW-BW-80-A	34	5	None
MW-BW-81-A	35	5	None
MW-BW-82-A	36	5	None
MW-BW-83-A	37	5	None
Upper 180-Foot Aquifer			
EW-OU2-09-180	51	6	N/A
MP-BW-33-272	52	6	N/A
MP-BW-46-170	53	6	N/A
MW-BW-21-180	54	6	N/A
MW-BW-52-180	55	6	N/A
MW-BW-57-180	56	6	N/A
MW-OU2-64-180	57	6	N/A
MW-OU2-67-180	58	6	N/A
Lower 180-Foot Aquifer			
MP-BW-49-287	65	7	N/A
MP-BW-49-316	66	7	N/A
MP-BW-49-400	67	7	N/A
MP-BW-50-339	68	7	N/A
MP-BW-50-384	69	7	N/A
MP-BW-51-405	70	7	N/A
MW-OU2-69-180	73	7	N/A
EW-OU2-07-180	59	N/A	N/A
FO-29	60	N/A	N/A
FO-30	61	N/A	N/A
FO-31	62	N/A	N/A
MP-BW-41-353	63	N/A	N/A
MP-BW-42-345	64	N/A	N/A
MW-BW-04-180	71	N/A	N/A
MW-BW-59-180	72	N/A	N/A
MW-OU2-72-180	74	N/A	N/A
MW-OU2-78-180	75	N/A	N/A
MW-OU2-82-180	76	N/A	N/A

Table B1. Well Trend Figure List

By EISB Deployment Area (A-Aquifer only)			
Well ID	Figure #B	Hydraulic Zone	EISB Deployment Area
A-Aquifer			
EISB-EW-01	1	5	Pilot Study
EISB-EW-09	2	5	Pilot Study
MW-BW-66-A	28	5	Pilot Study
EW-BW-109-A	3	1	1C
EW-BW-124-A	4	4	2A
EW-BW-129-A	5	4	2A
EW-BW-135-A	6	4	2A
EW-BW-140-A	7	4	2A
EW-BW-144-A	8	4	2A
MW-BW-17-A	15	4	2A
MW-BW-26-A	16	4	2A
EW-BW-149-A	9	4	2B
EW-BW-155-A	10	4	2B
MW-B-14-A	14	4	2B
MW-BW-27-A	17	4	2B
EW-BW-160-A	11	2	3A
EW-BW-165-A	12	3	3A
MW-BW-56-A	25	3	3A
MW-BW-58-A	26	2	3A
MW-BW-87-A	39	2	3A
MW-BW-91-A	43	2	3A
MW-B-12-A	13	4	None
MW-BW-28-A	18	4	None
MW-BW-31-A	19	4	None
MW-BW-32-A	20	4	None
MW-BW-35-A	21	4	None
MW-BW-36-A	22	4	None
MW-BW-48-A	23	5	None
MW-BW-49-A	24	5	None
MW-BW-65-A	27	5	None
MW-BW-74-A	29	5	None
MW-BW-75-A	30	5	None
MW-BW-77-A	31	5	None
MW-BW-78-A	32	5	None
MW-BW-79-A	33	5	None
MW-BW-80-A	34	5	None
MW-BW-81-A	35	5	None
MW-BW-82-A	36	5	None
MW-BW-83-A	37	5	None
MW-BW-85-A	38	2	None

Table B1. Well Trend Figure List

Well ID	Figure #B	Hydraulic Zone	EISB Deployment Area
MW-BW-88-A	40	3	None
MW-BW-89-A	41	3	None
MW-BW-90-A	42	2	None
MW-BW-92-A	44	4	None
MW-BW-93-A	45	3	None
MW-BW-94-AR	46	2	None
MW-BW-95-A	47	3	None
MW-BW-101-A	48	2	None
MW-BW-102-A	49	2	None
MW-BW-103-A	50	2	None

Notes:

#: number

EISB: enhanced in-situ bioremediation

N/A: not applicable

Table B2. CT Well Trend Analysis

Hydraulic Zone CT Trend Summary 2023-2024								
Aquifer	Hydraulic Zone	Number of Wells above CT ACL	2023-2024 Max CT Quarter	2023-2024 Max CT Concentration (µg/L)	Qual	Max Well Identification	CT Trend	App B Figure#
A-Aquifer	1	1	2024-2Q	0.68		EW-BW-109-A	Down	B3
A-Aquifer	2	7	2023-4Q	2.2		MW-BW-87-A	Down	B39
A-Aquifer	3	3	2024-3Q	0.96		MW-BW-89-A	Up	B41
A-Aquifer	4	6	2024-2Q	1.4		MW-BW-26-A	Down	B16
A-Aquifer	5	8	2024-2Q	4.2		MW-BW-80-A	Inconclusive	B34
A-Aquifer	Total/Max	25	2024-2Q	4.2		MW-BW-80-A	Inconclusive	B34
Upper	6	3	2024-2Q	3.4		MW-OU2-64-180	Inconclusive	B57
Lower	7	4	2023-4Q	1.8		MP-BW-49-316	Inconclusive	B66
Lower	8	0	N/A	N/A		N/A	N/A	N/A

Wells above CT ACL Trend Summary 2023-2024									
Aquifer	Hydraulic Zone	Well Identification	Historical Max CT Quarter	Historical Max CT Concentration (µg/L)	Qual	2023-2024 Max CT Concentration (µg/L)	Qual	CT Trend	App B Figure#
A-Aquifer	1	EW-BW-109-A	2012-1Q	6.6		0.68		Down	B3
A-Aquifer	2	EW-BW-160-A	2019-2Q	3.2		1.3		Down	B11
A-Aquifer	2	MW-BW-58-A	2017-4Q	1.2		0.6		Up	B26
A-Aquifer	2	MW-BW-85-A	2019-1Q	1.4	J+	0.55		Down	B38
A-Aquifer	2	MW-BW-87-A	2016-3Q	5.1	J+	2.2		Down	B39
A-Aquifer	2	MW-BW-90-A	2020-3Q	1.9		0.77		Down	B42
A-Aquifer	2	MW-BW-101-A	2024-1Q	0.98		0.98		Inconclusive	B48
A-Aquifer	2	MW-BW-102-A	2024-3Q	1.1		1.1		Inconclusive	B49
A-Aquifer	3	MW-BW-88-A	2017-3Q	3.0		0.71		Down	B40
A-Aquifer	3	MW-BW-89-A	2015-4Q	2.4		0.96		Up	B41
A-Aquifer	3	MW-BW-95-A	2018-4Q	1.5		0.96		Down	B47
A-Aquifer	4	EW-BW-124-A	2011-2Q	20		0.51		Inconclusive	B4
A-Aquifer	4	EW-BW-129-A	2011-1Q	6.9		1.2		Down	B5

Table B2. CT Well Trend Analysis

Wells above CT ACL 2023-2024									
Aquifer	Hydraulic Zone	Well Identification	Historical Max CT Quarter	Historical Max CT Concentration (µg/L)	Qual	2023-2024 Max CT Concentration (µg/L)	Qual	CT Trend	App B Figure#
A-Aquifer	4	MW-BW-26-A	2018-2Q	6.9		1.4		Down	B16
A-Aquifer	4	MW-BW-32-A	2001-3Q	8.9		1.1		Down	B20
A-Aquifer	4	MW-BW-36-A	2015-2Q	3.4		1.3		Inconclusive	B22
A-Aquifer	4	MW-BW-92-A	2015-4Q	3.1		0.88		Down	B44
A-Aquifer	5	EISB-EW-09	2008-3Q	6.5	J+	0.83		Down	B2
A-Aquifer	5	MW-BW-48-A	2023-4Q	0.76		0.76		Inconclusive	B23
A-Aquifer	5	MW-BW-49-A	2004-4Q	4.8		0.66		Inconclusive	B28
A-Aquifer	5	MW-BW-65-A	2013-4Q	1.6		0.67		Inconclusive	B27
A-Aquifer	5	MW-BW-74-A	2019-2Q	1.4		1.1		Up	B29
A-Aquifer	5	MW-BW-75-A	2022-4Q	4.7	J	1.6		Inconclusive	B30
A-Aquifer	5	MW-BW-79-A	2019-1Q	2.4	J+	0.72		Inconclusive	B33
A-Aquifer	5	MW-BW-80-A	2022-4Q	8.9	J+	4.2		Inconclusive	B34
Upper	6	EW-OU2-13-180	2024-3Q	1.3		1.3		N/A	N/A
Upper	6	MP-BW-46-170	2019-1Q	8.9	J	3.2		Inconclusive	B53
Upper	6	MW-OU2-64-180	2014-4Q	10.5		3.4		Inconclusive	B57
Lower	7	MP-BW-49-316	2022-4Q	4.3	J	1.8		Inconclusive	B66
Lower	7	MP-BW-50-339	2024-2Q	1.4		1.4		Inconclusive	B68
Lower	7	MW-OU2-69-180	2024-2Q	1.4		1.4		Inconclusive	B73
Lower	7	MW-BW-04-180	2023-3Q	0.73		0.71		Inconclusive	B71

Table B2. CT Well Trend Analysis

Notes:

-: no figure in Appendix B

Concentrations listed in **bold** are above the established ACL.

Quarters listed in **bold** are during the current reporting period.

Hydraulic zones are based on the areas of groundwater with COC concentrations above ACLS are influenced by the groundwater remedy as shown in the QAPP.

CT Trend Analysis conducted using a best-fit trendline of recent data (last 10 data points). Only wells with CT concentrations above the ACL during the reporting period are included in this analysis. Trendlines with a coefficient of determination (R^2) ≥ 0.5 are considered to be sufficiently reliable for evaluation of CT concentration trends. If the R^2 is < 0.5 , then the trend is "inconclusive." When there is more than one station sampled per event, the highest CT concentration station is used for determining the trendline.

Acronyms and Abbreviations:

$\mu\text{g/L}$: micrograms per liter

2023-2024 Max.: maximum concentration detected from 10/1/2023 through 9/30/2024

ACL: Aquifer Cleanup Level

App: appendix

CT: Carbon tetrachloride

EW: Extraction Well

Max: maximum

MW: Monitoring Well

N/A: not applicable

ND: Not detected

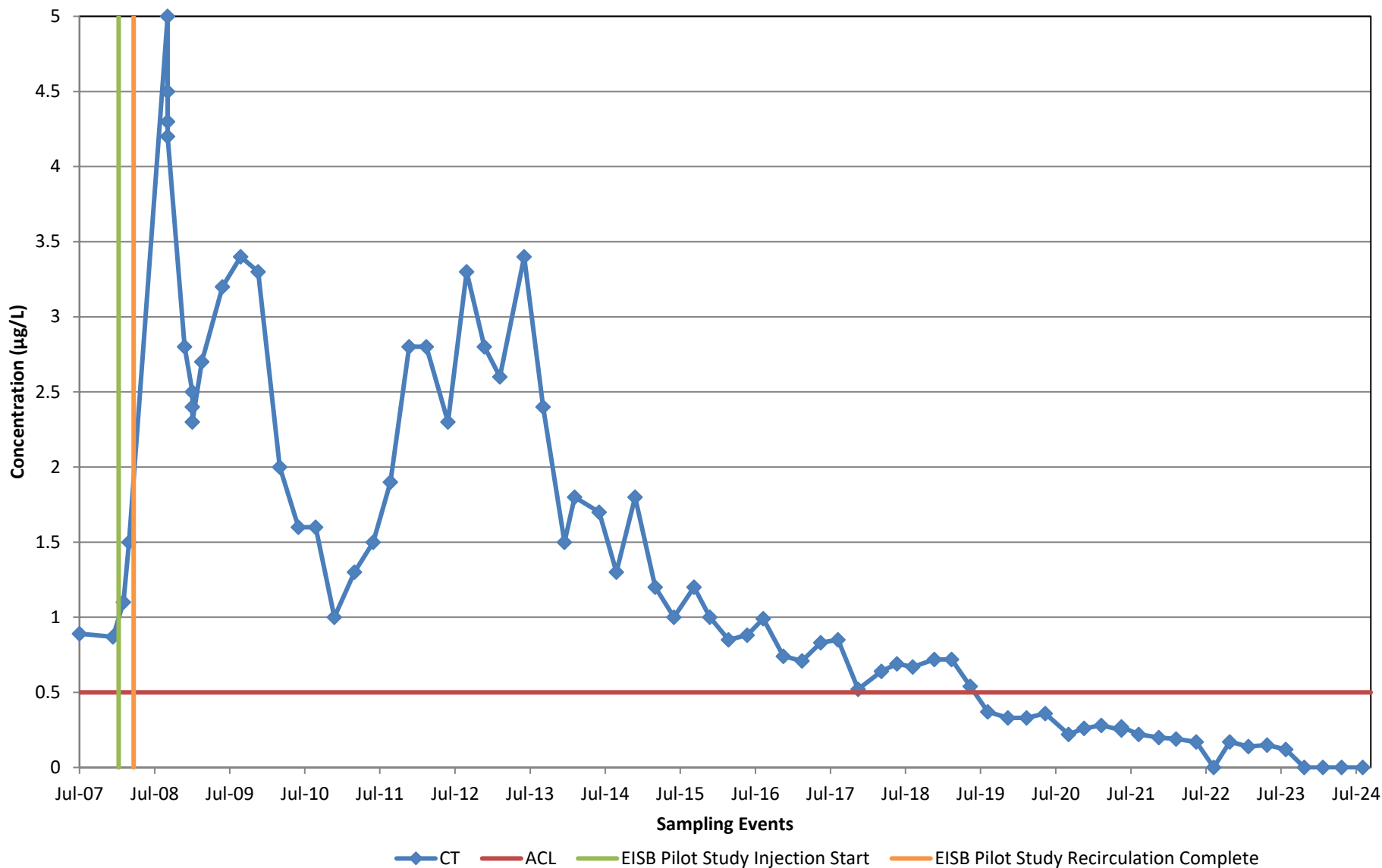
OUCTP: Operable Unit Tetrachloride Plume

QAPP: Quality Assurance Project Plan

Qual: qualifier

Data Validation Qualifiers:

J: Laboratory qualifier, estimated result between the detection limit (DL) and the limit of quantitation (LOQ) with a possible high (+) or low (-) bias.



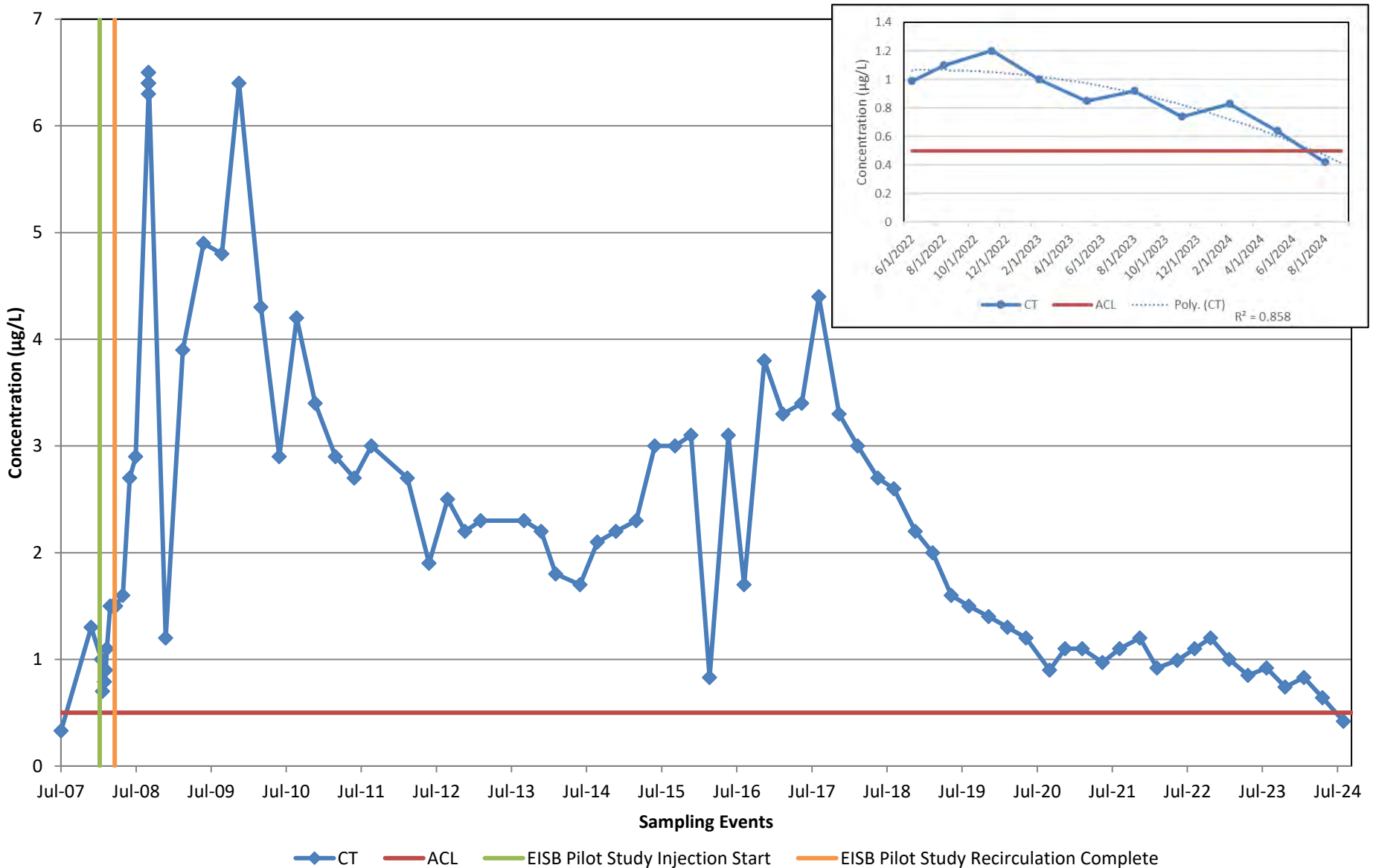
◆ CT
 — ACL
 | EISB Pilot Study Injection Start
 | EISB Pilot Study Recirculation Complete



EISB-EW-01
(Hydraulic Zone 5) [EISB Deployment Area Pilot Study]

Operable Unit Carbon Tetrachloride Plume Fourth Quarter 2023 through Third Quarter 2024
 Groundwater Monitoring Report, Former Fort Ord, California

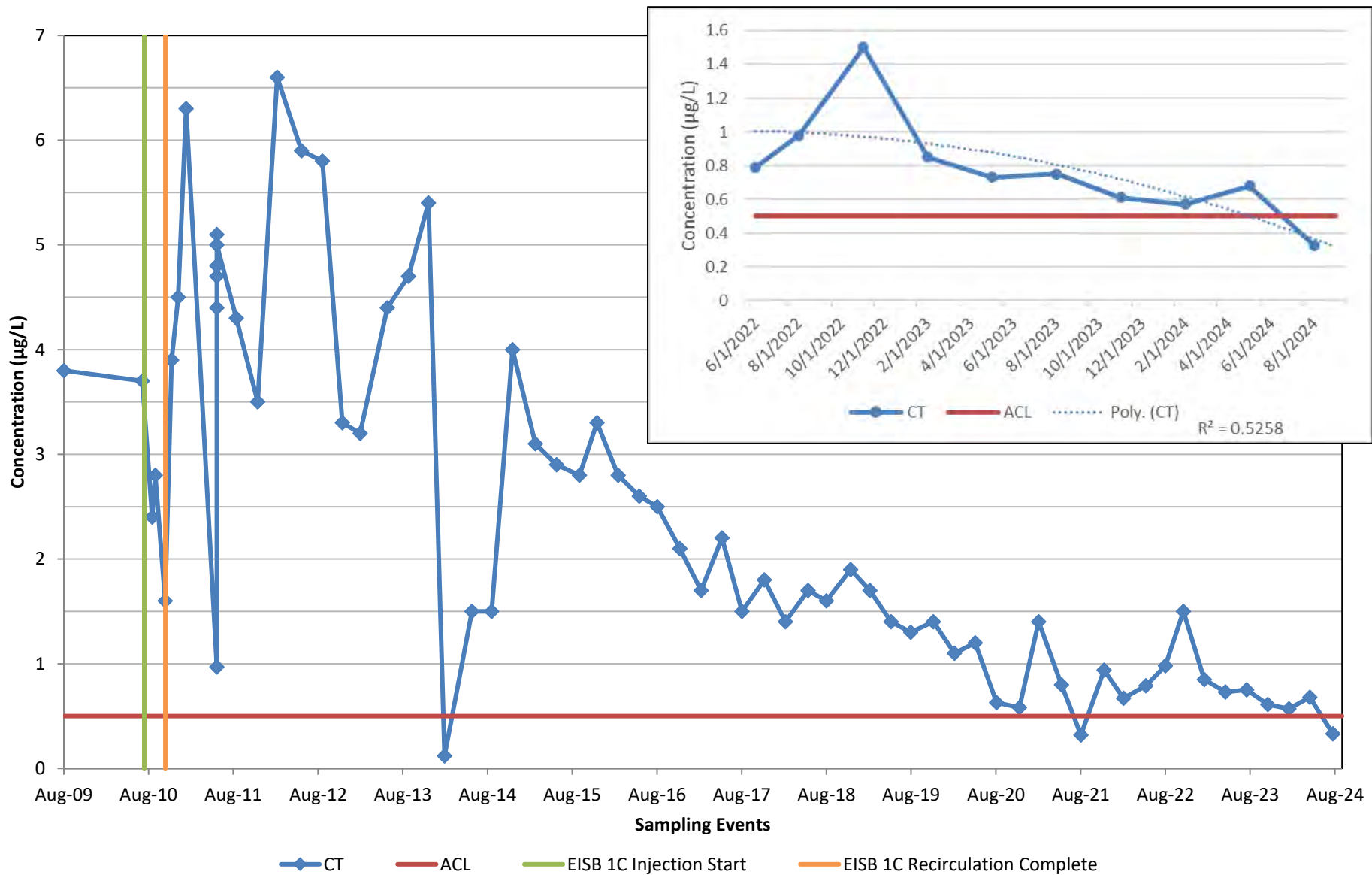
Figure:
B1



EISB-EW-09
(Hydraulic Zone 5) [EISB Deployment Area Pilot Study]

Operable Unit Carbon Tetrachloride Plume Fourth Quarter 2023 through Third Quarter 2024
 Groundwater Monitoring Report, Former Fort Ord, California

Figure:
B2

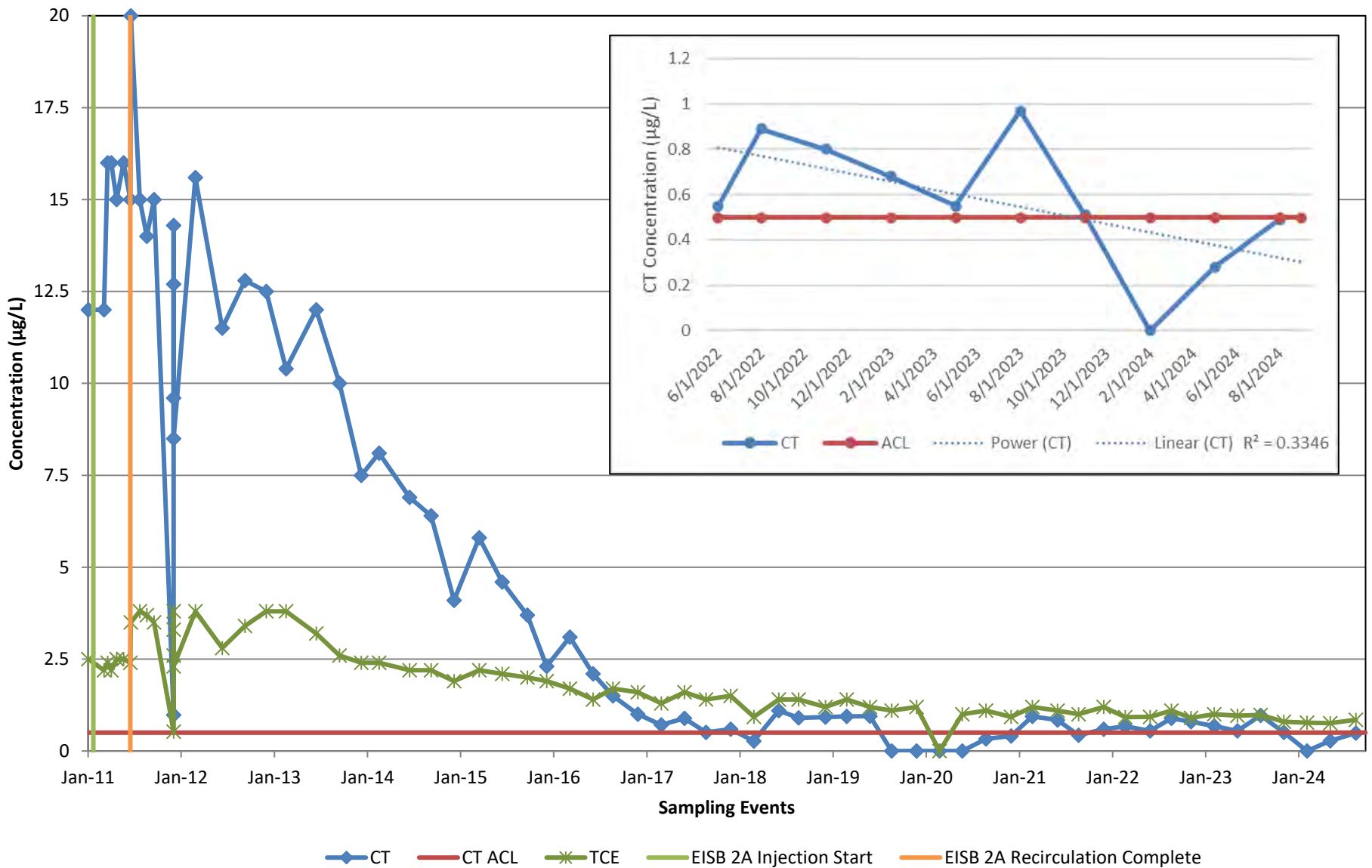


EW-BW-109-A
(Hydraulic Zone 1) [EISB Deployment Area 1C]

Operable Unit Carbon Tetrachloride Plume Fourth Quarter 2023 through Third Quarter 2024
 Groundwater Monitoring Report, Former Fort Ord, California

Figure:

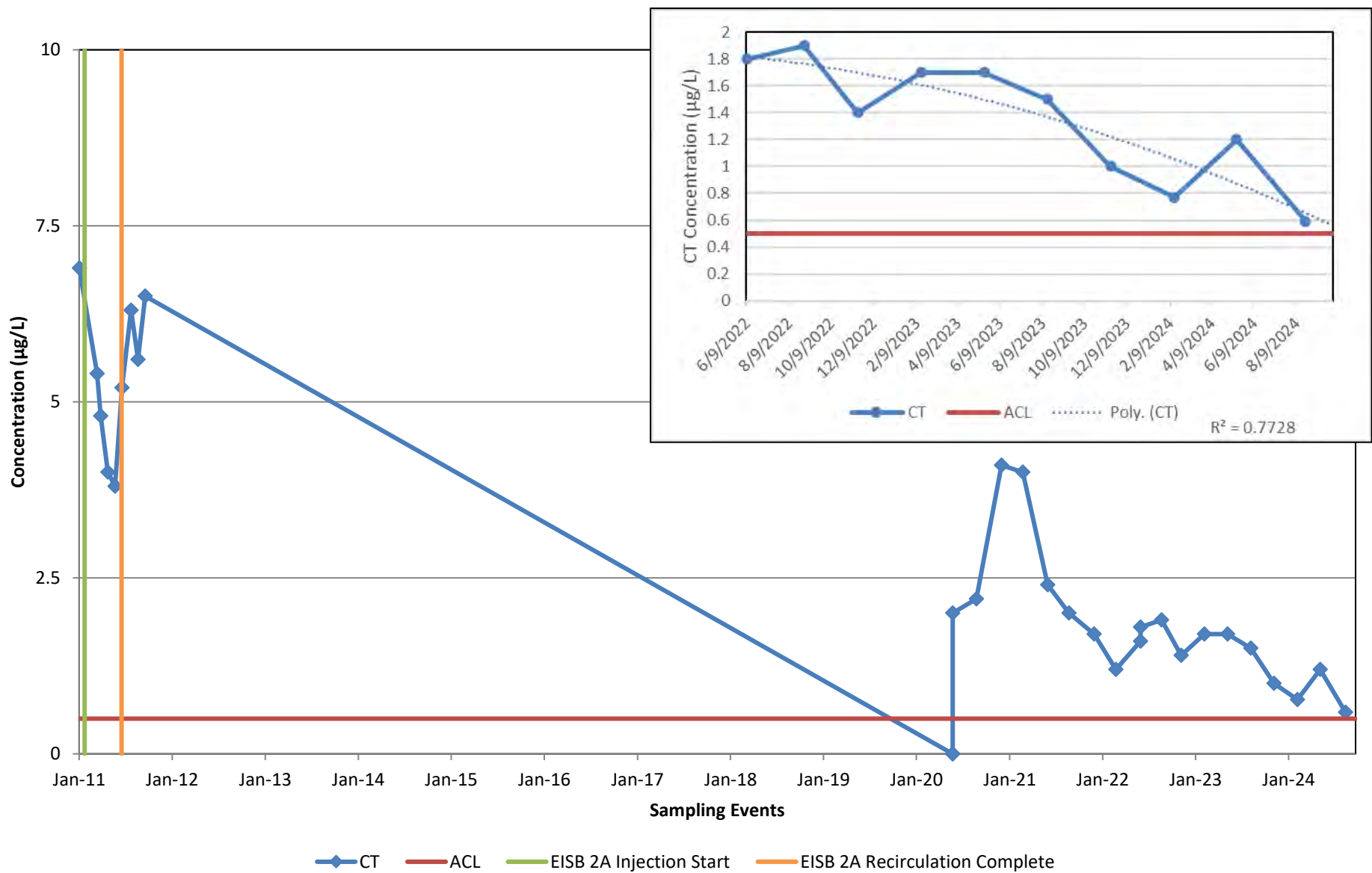
B3



EW-BW-124-A
(Hydraulic Zone 4) [EISB Deployment Area 2A]

Operable Unit Carbon Tetrachloride Plume Fourth Quarter 2023 through Third Quarter 2024
 Groundwater Monitoring Report, Former Fort Ord, California

Figure:
B4

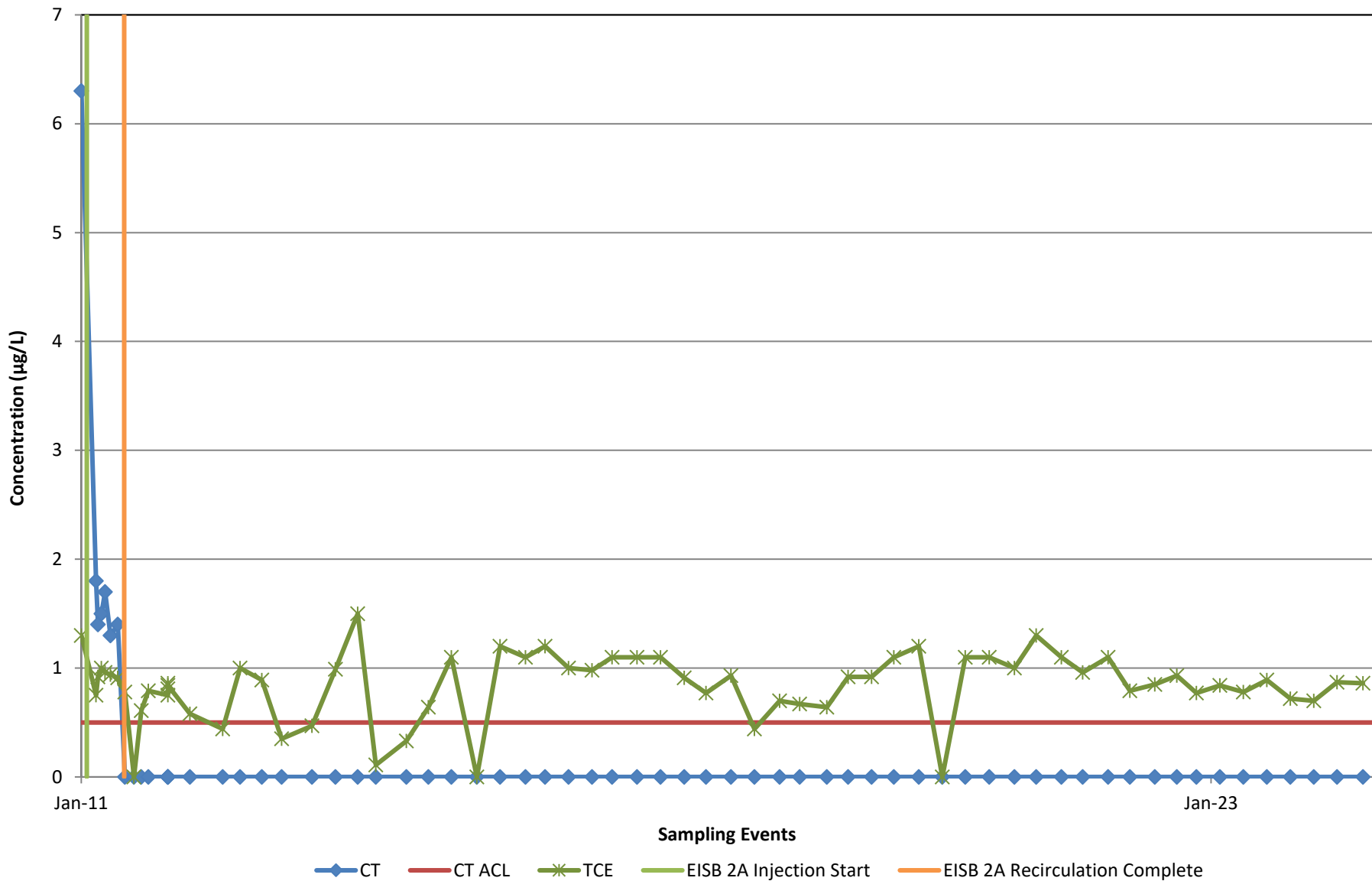


EW-BW-129-A
(Hydraulic Zone 4) [EISB Deployment Area 2A]

Operable Unit Carbon Tetrachloride Plume Fourth Quarter 2023 through Third Quarter 2024
 Groundwater Monitoring Report, Former Fort Ord, California

Figure:

B5

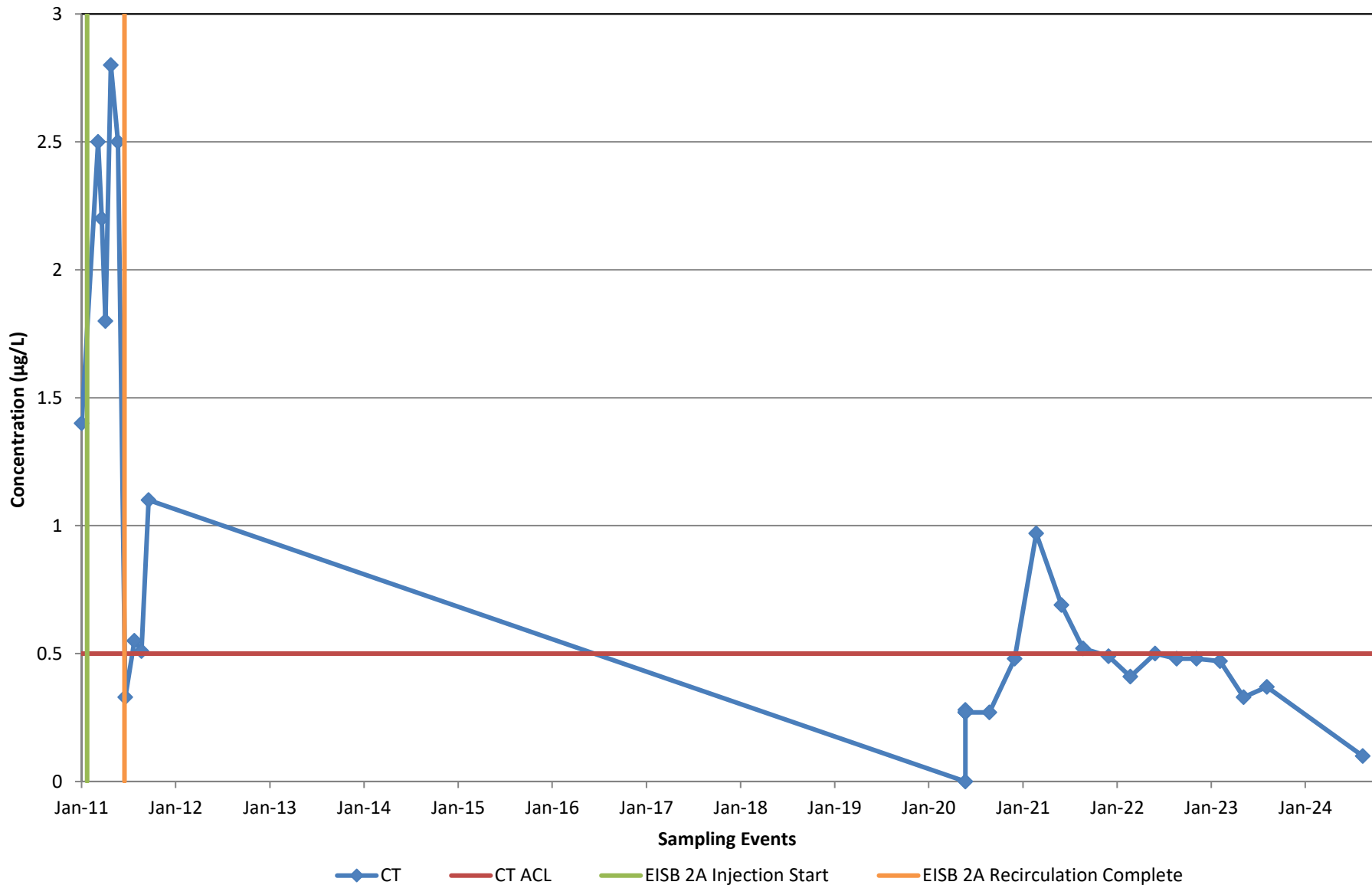


EW-BW-135-A
(Hydraulic Zone 4) [EISB Deployment Area 2A]

Operable Unit Carbon Tetrachloride Plume Fourth Quarter 2023 through Third Quarter 2024
 Groundwater Monitoring Report, Former Fort Ord, California

Figure:

B6

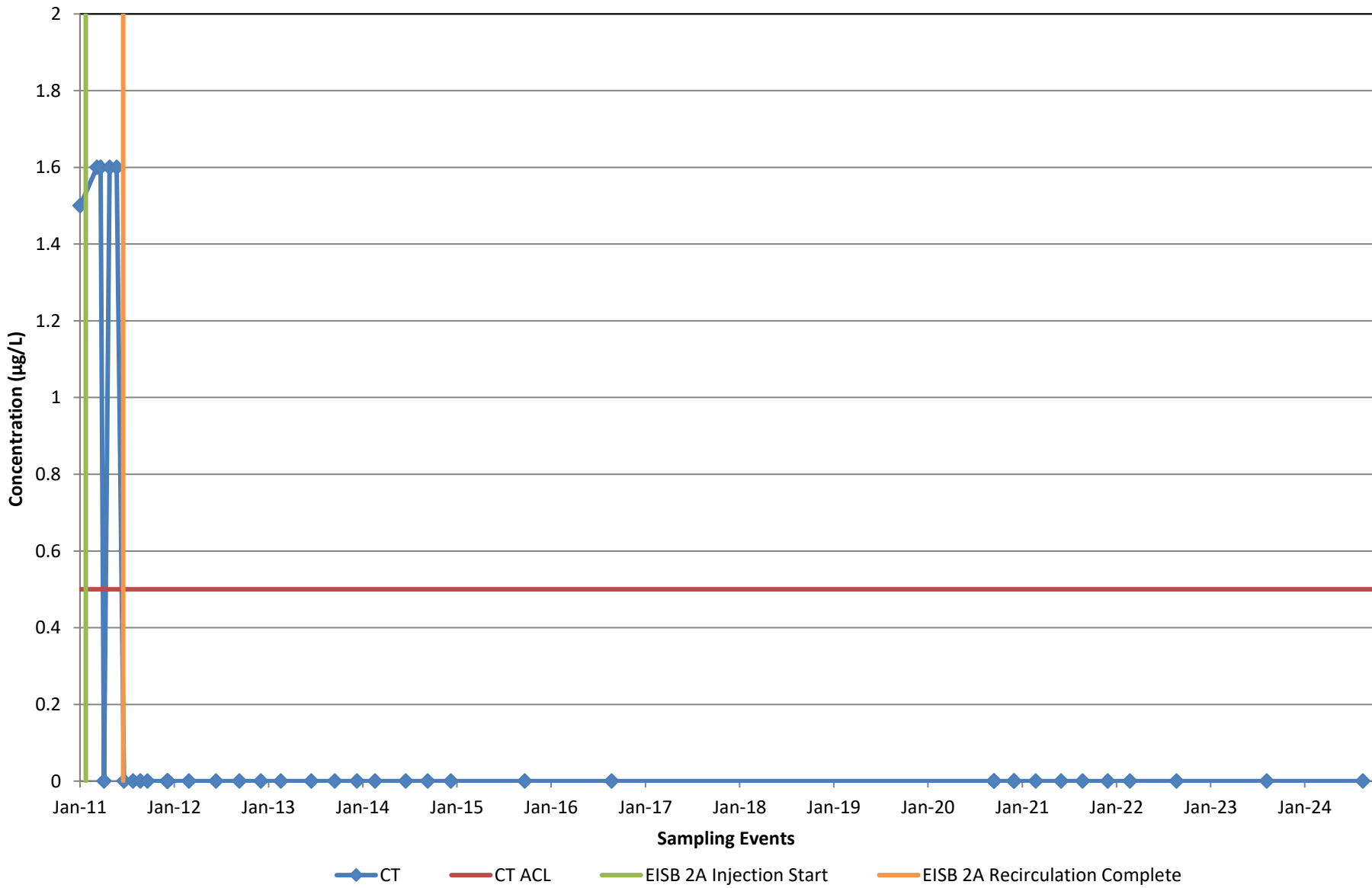


**EW-BW-140-A
(Hydraulic Zone 4) [EISB Deployment Area 2A]**

Operable Unit Carbon Tetrachloride Plume Fourth Quarter 2023 through Third Quarter 2024
Groundwater Monitoring Report, Former Fort Ord, California

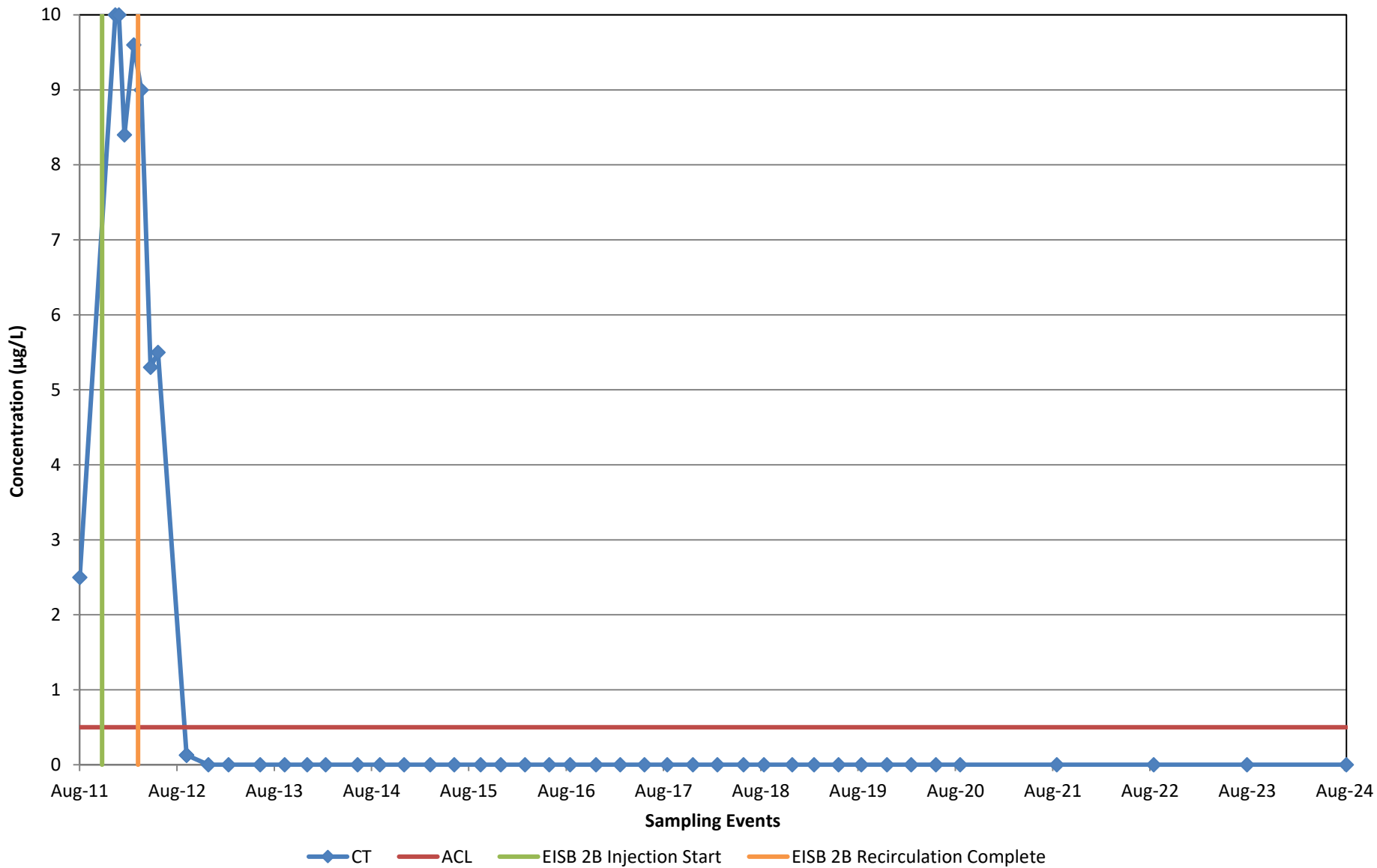
Figure:

B7



**EW-BW-144-A
(Hydraulic Zone 4) [EISB Deployment Area 2A]**

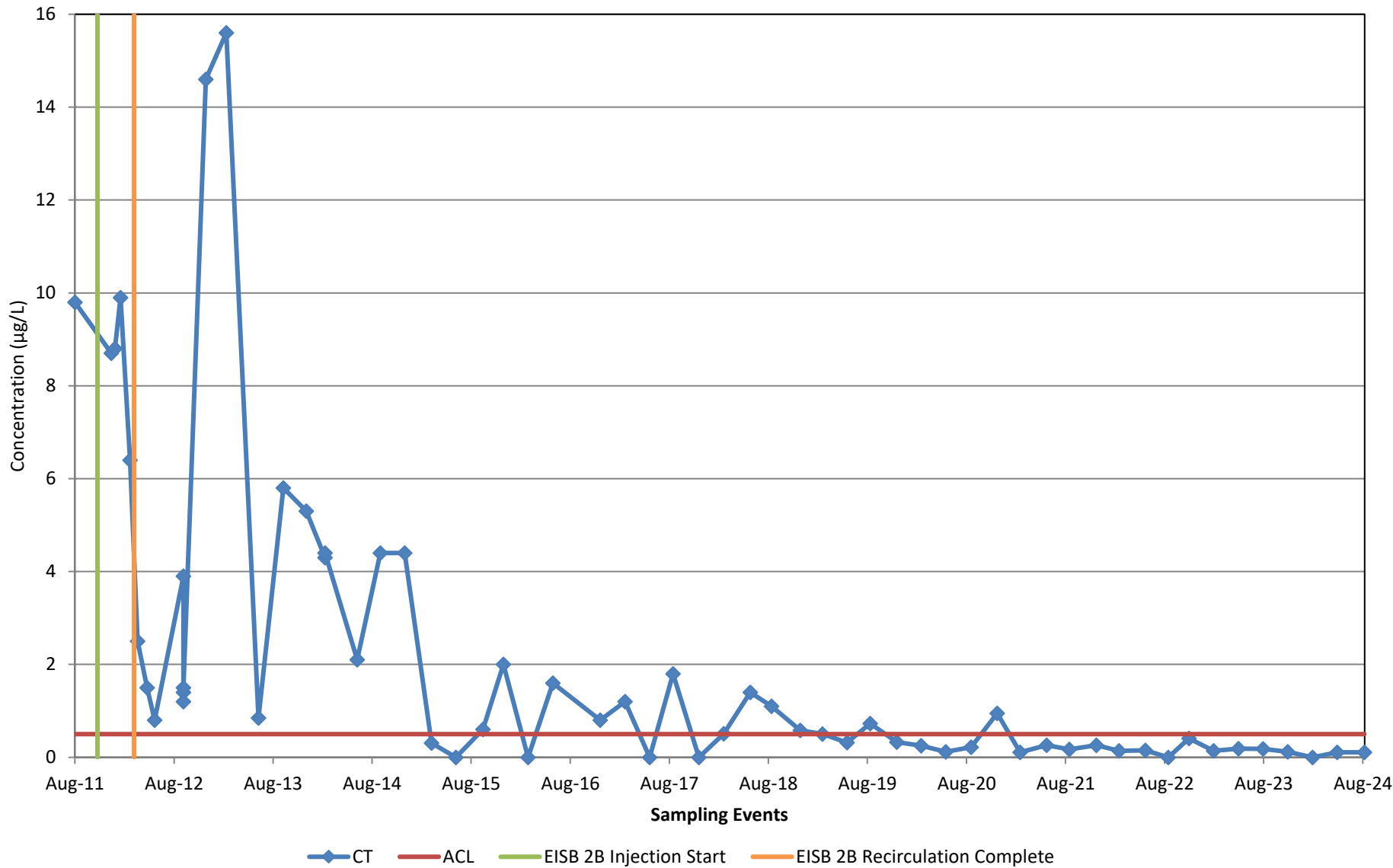
Operable Unit Carbon Tetrachloride Plume Fourth Quarter 2023 through Third Quarter 2024
Groundwater Monitoring Report, Former Fort Ord, California



**EW-BW-149-A
(Hydraulic Zone 4) [EISB Deployment Area 2A]**

Operable Unit Carbon Tetrachloride Plume Fourth Quarter 2023 through Third Quarter 2024
Groundwater Monitoring Report, Former Fort Ord, California

Figure:
B9

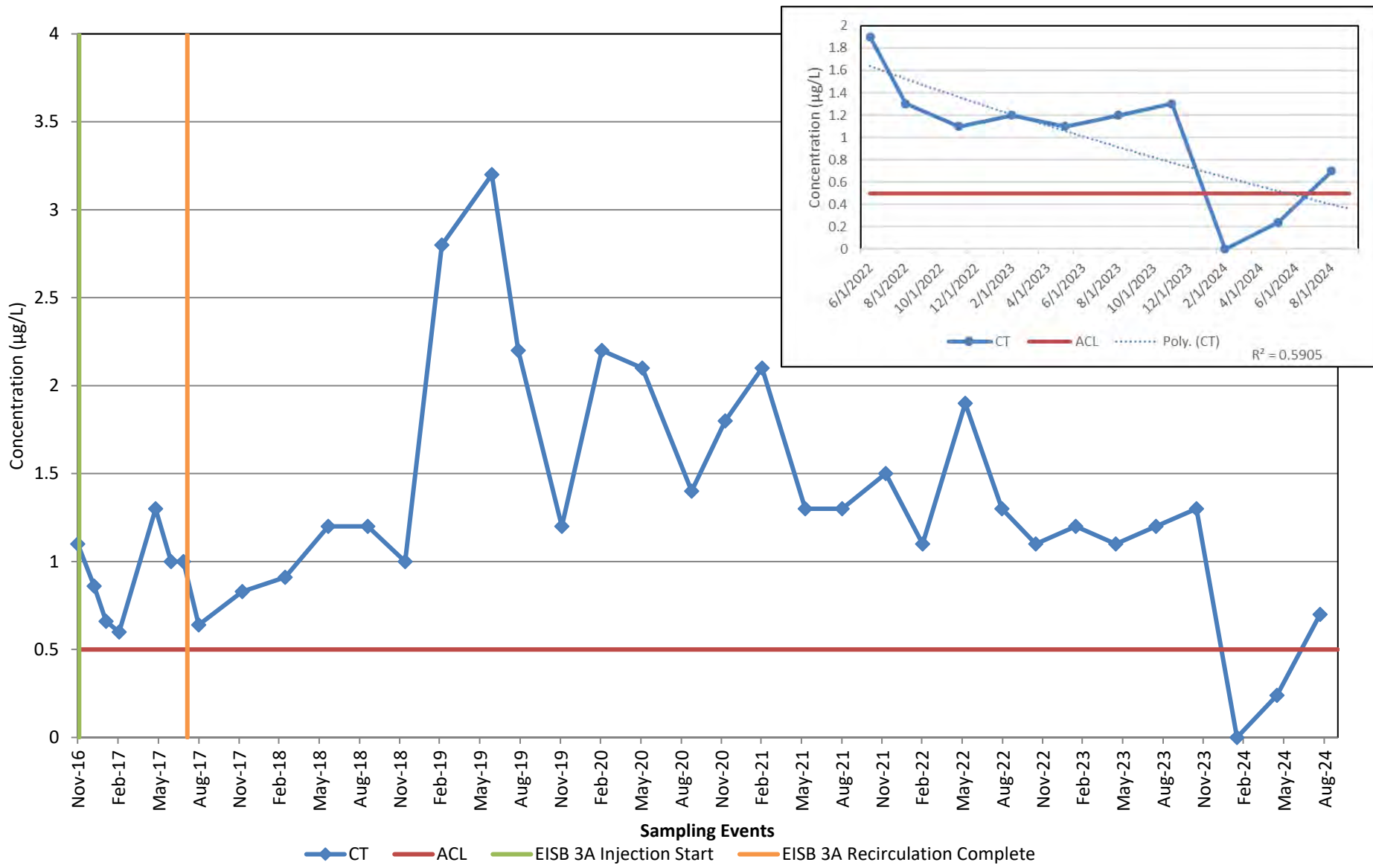


**EW-BW-155-A
(Hydraulic Zone 4) [EISB Deployment Area 2B]**

Operable Unit Carbon Tetrachloride Plume Fourth Quarter 2023 through Third Quarter 2024
Groundwater Monitoring Report, Former Fort Ord, California

Figure:

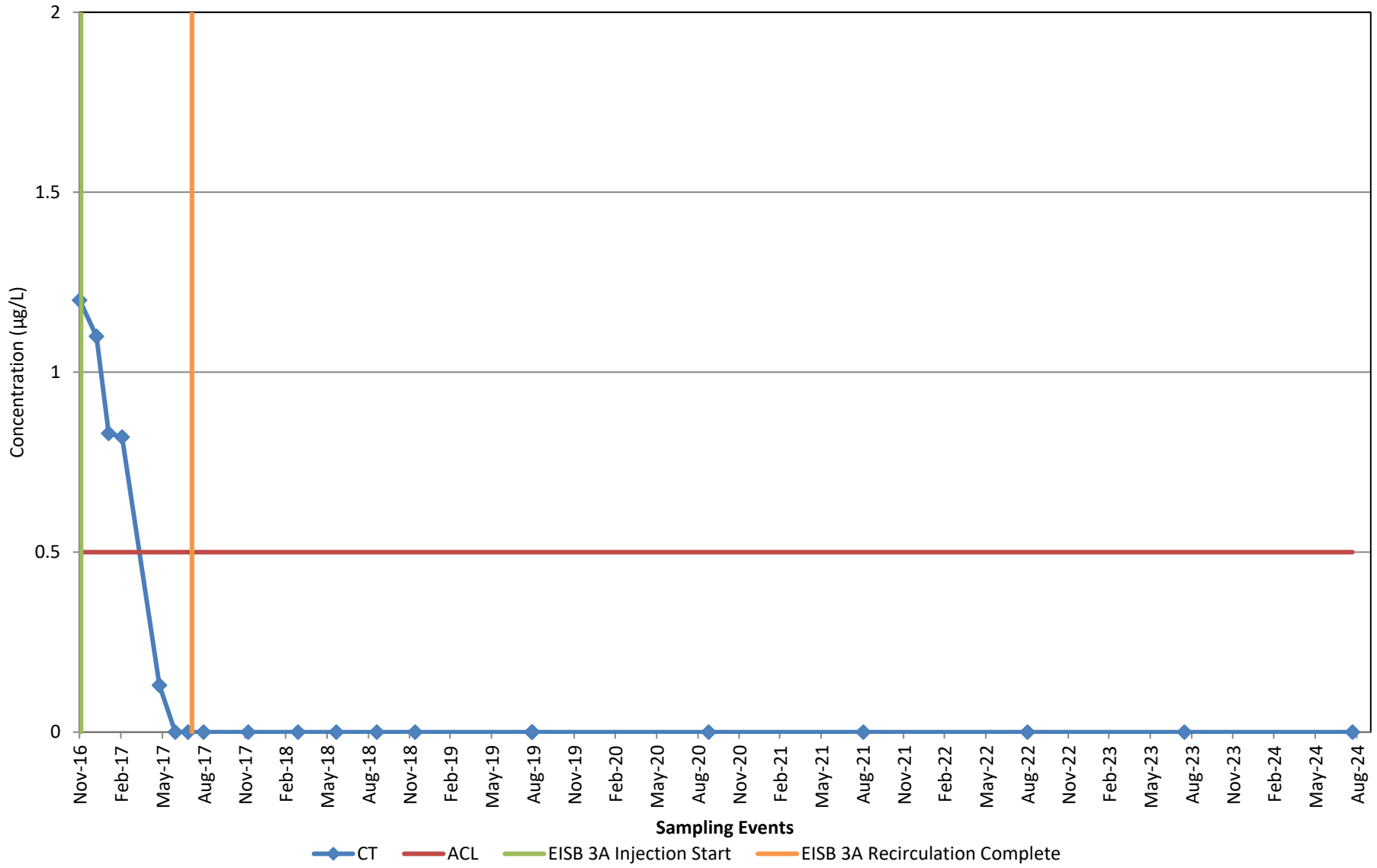
B10



**EW-BW-160-A
(Hydraulic Zone 2) [EISB Deployment Area 3A]**

Operable Unit Carbon Tetrachloride Plume Fourth Quarter 2023 through Third Quarter 2024
Groundwater Monitoring Report, Former Fort Ord, California

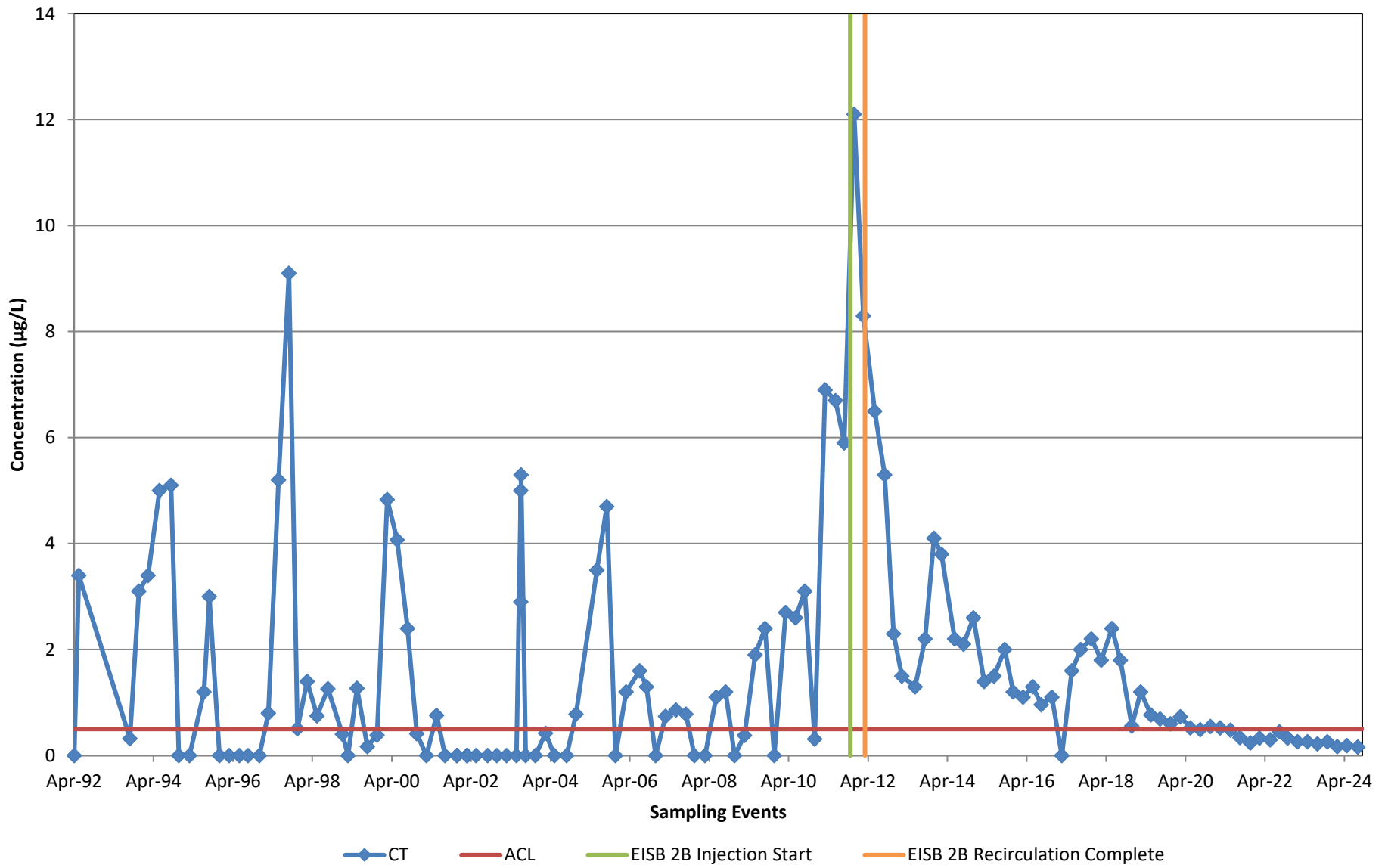
Figure:
B11



**EW-BW-165-A
(Hydraulic Zone 3) [EISB Deployment Area 3A]**

Operable Unit Carbon Tetrachloride Plume Fourth Quarter 2023 through Third Quarter 2024
Groundwater Monitoring Report, Former Fort Ord, California

Figure:
B12

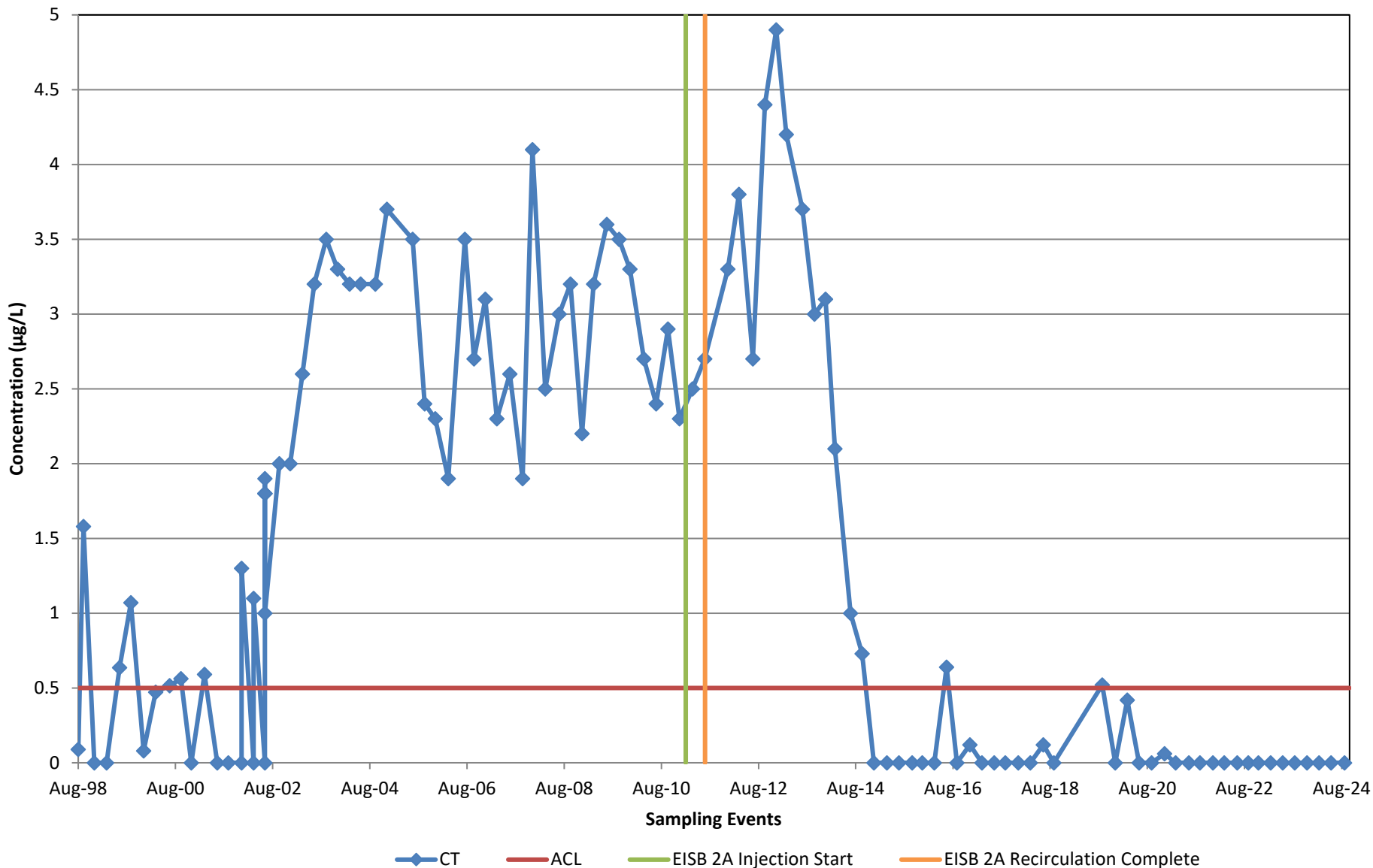


MW-B-14-A
(Hydraulic Zone 4) [EISB Deployment Area 2B]

Operable Unit Carbon Tetrachloride Plume Fourth Quarter 2023 through Third Quarter 2024
 Groundwater Monitoring Report, Former Fort Ord, California

Figure:

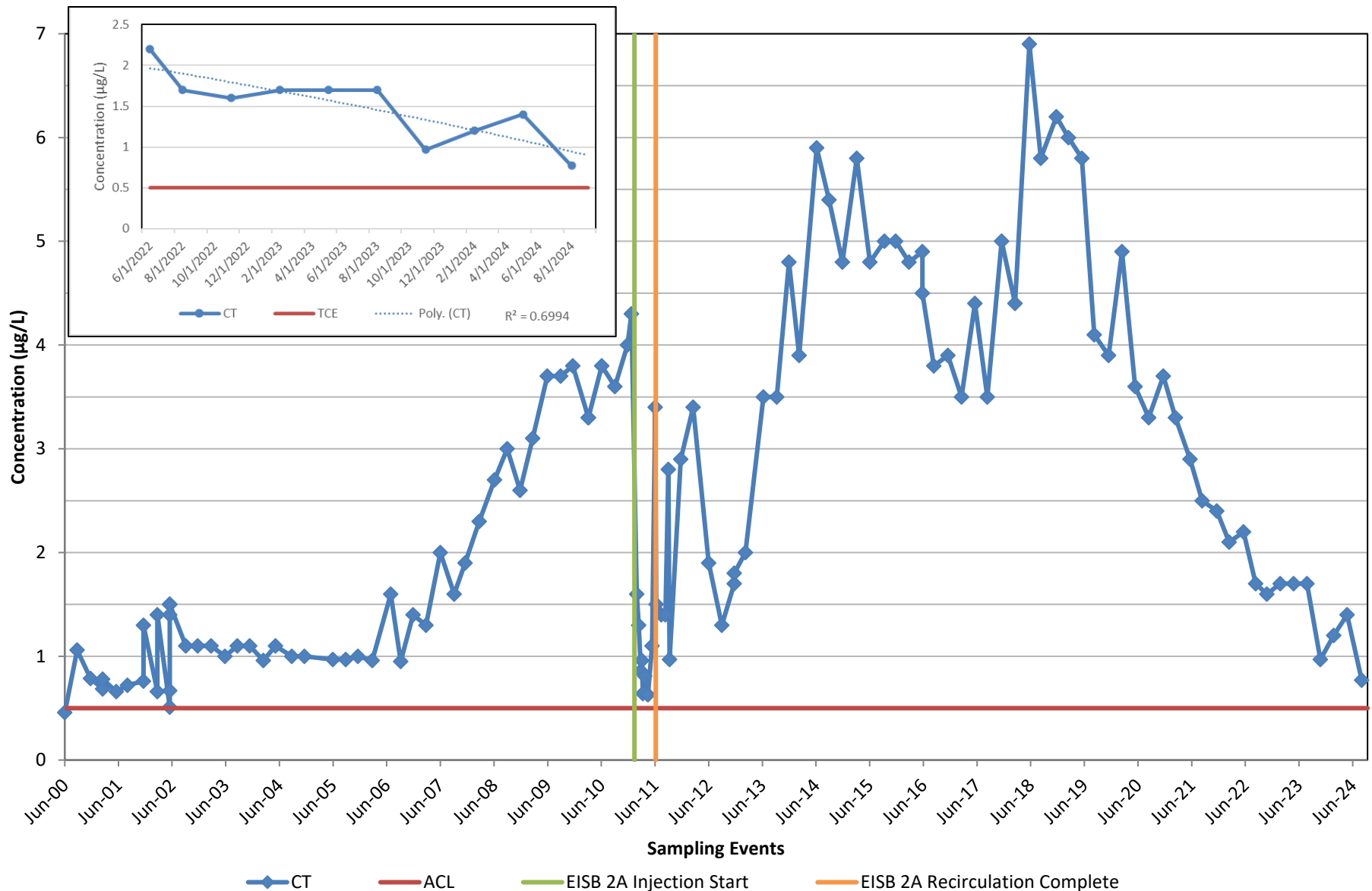
B14



MW-BW-17-A
(Hydraulic Zone 4) [EISB Deployment Area 2A]

Operable Unit Carbon Tetrachloride Plume Fourth Quarter 2023 through Third Quarter 2024
 Groundwater Monitoring Report, Former Fort Ord, California

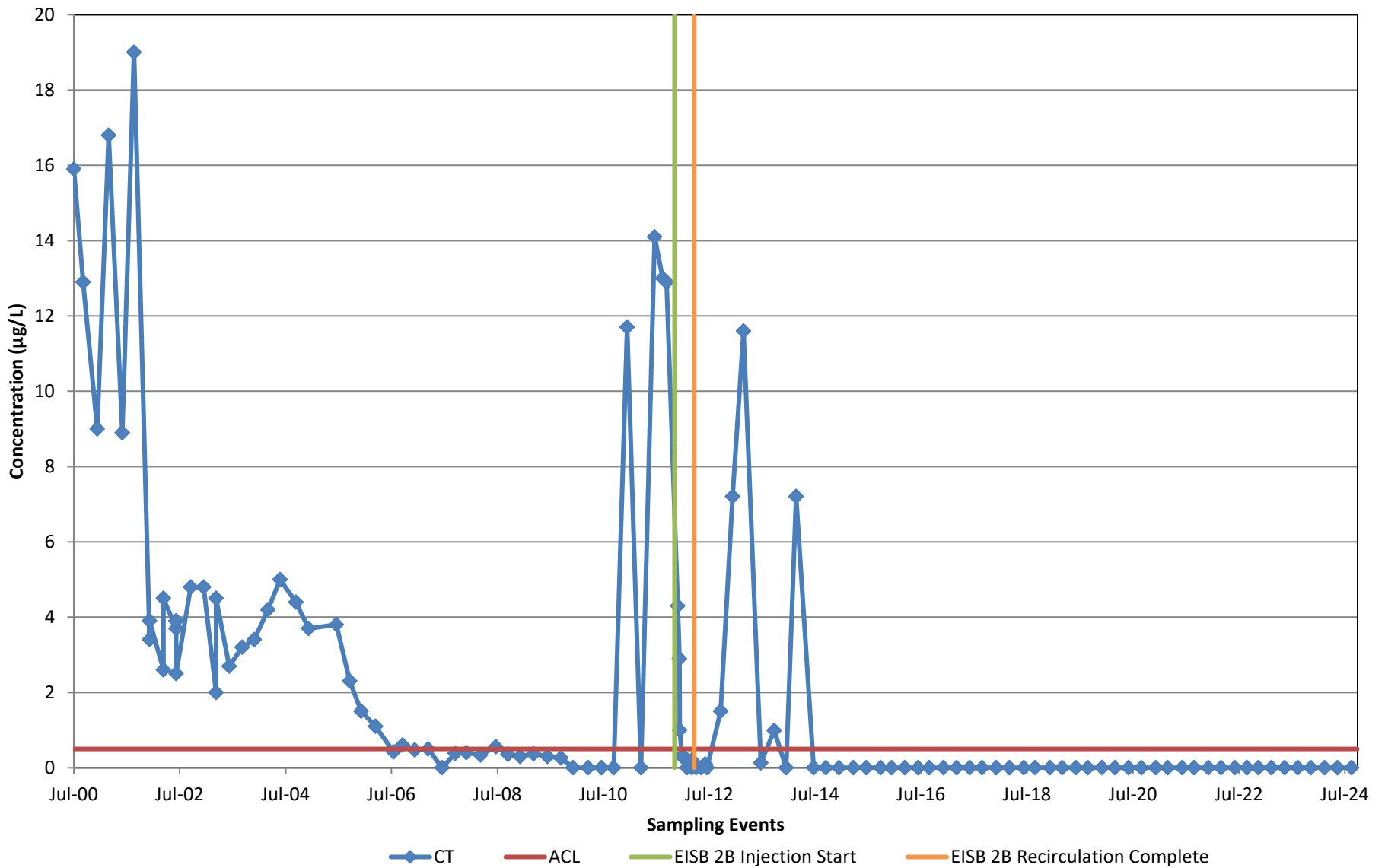
Figure:
B15



MW-BW-26-A
(Hydraulic Zone 4) [EISB Deployment Area 2A]

Operable Unit Carbon Tetrachloride Plume Fourth Quarter 2023 through Third Quarter 2024
 Groundwater Monitoring Report, Former Fort Ord, California

Figure:
B16

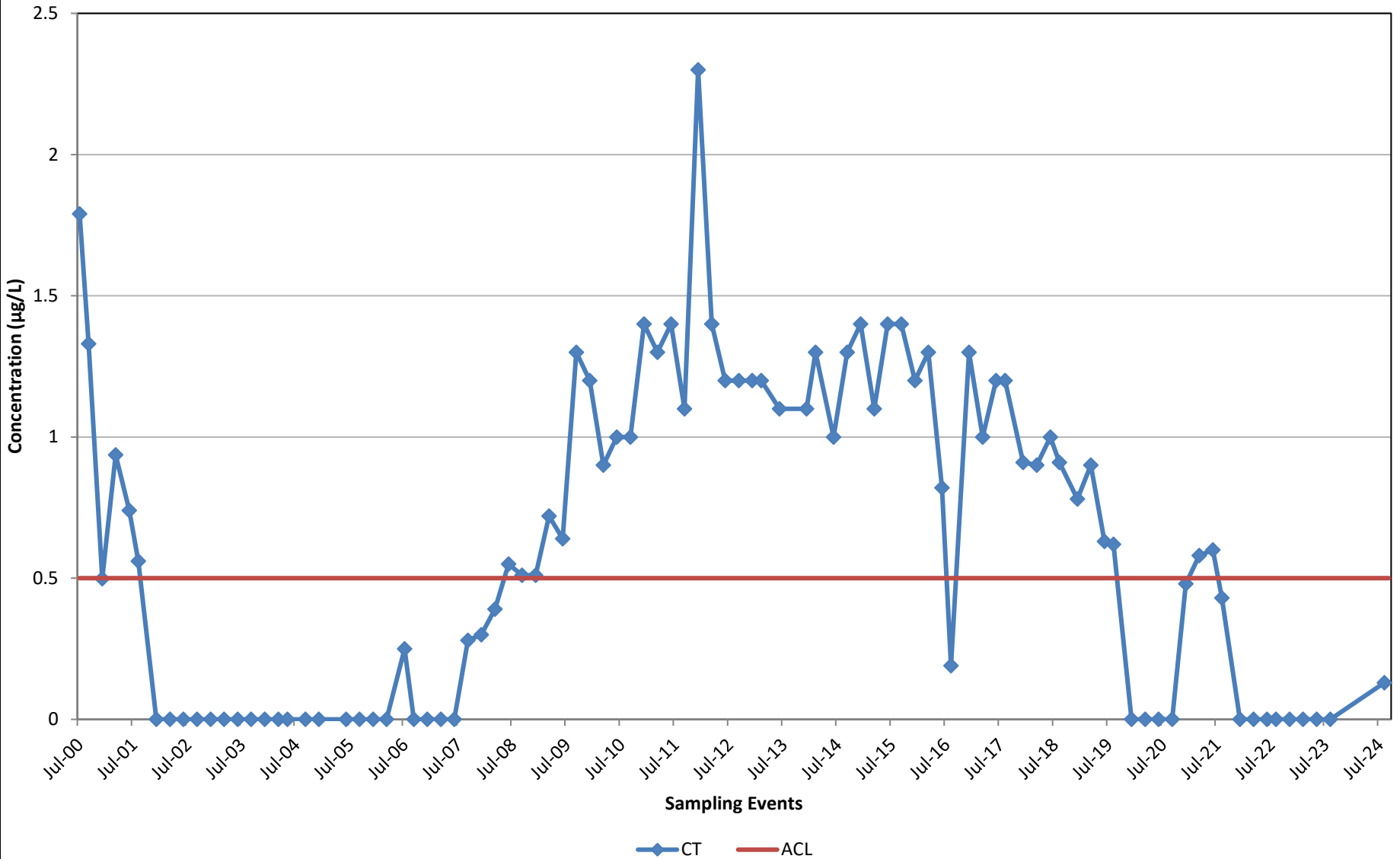


MW-BW-27-A
(Hydraulic Zone 4) [EISB Deployment Area 2B]

Operable Unit Carbon Tetrachloride Plume Fourth Quarter 2023 through Third Quarter 2024
 Groundwater Monitoring Report, Former Fort Ord, California

Figure:

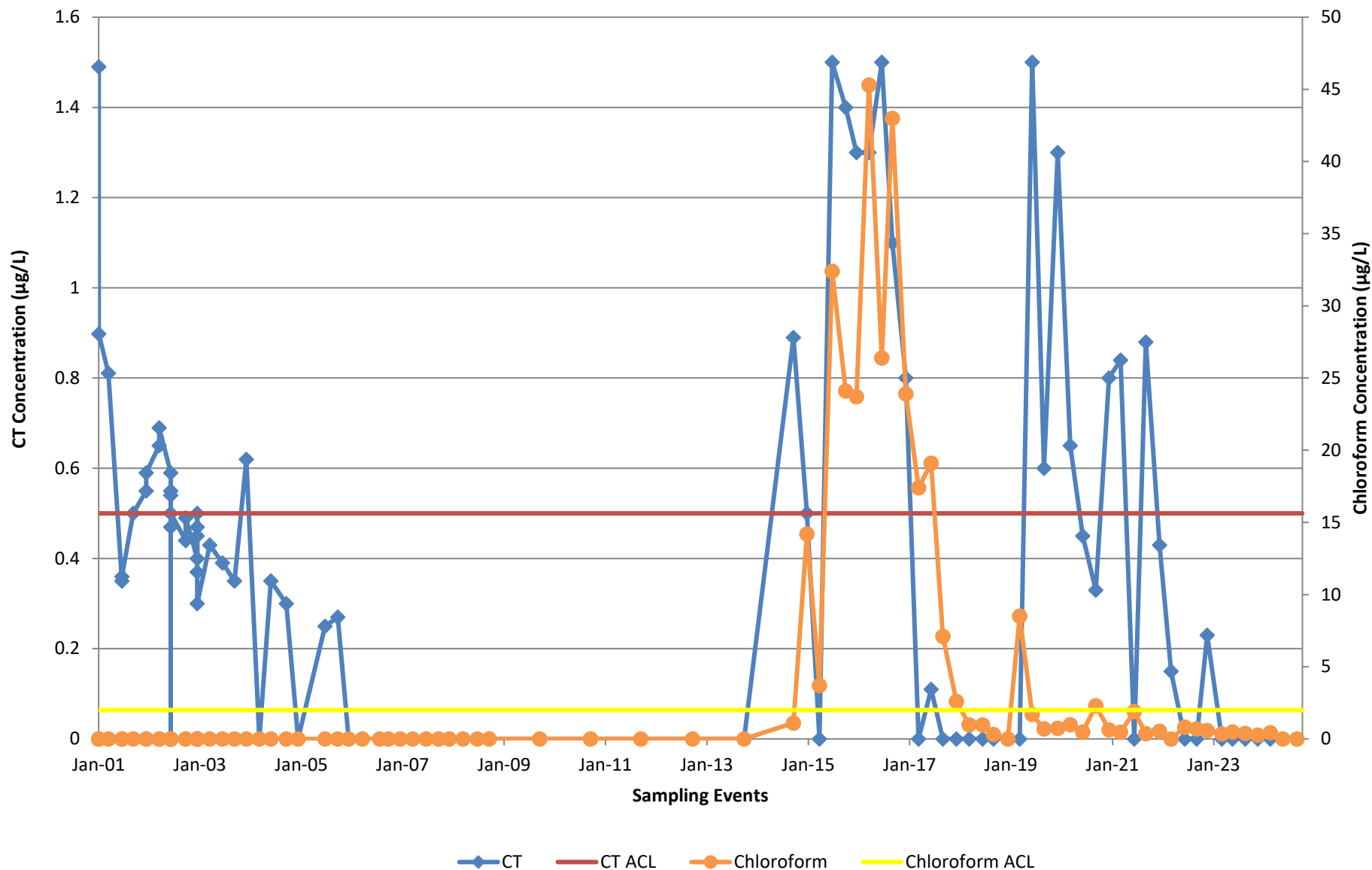
B17



MW-BW-28-A
(Hydraulic Zone 4) [north of EISB Deployment Area 2B]

Operable Unit Carbon Tetrachloride Plume Fourth Quarter 2023 through Third Quarter 2024
 Groundwater Monitoring Report, Former Fort Ord, California

Figure:
B18

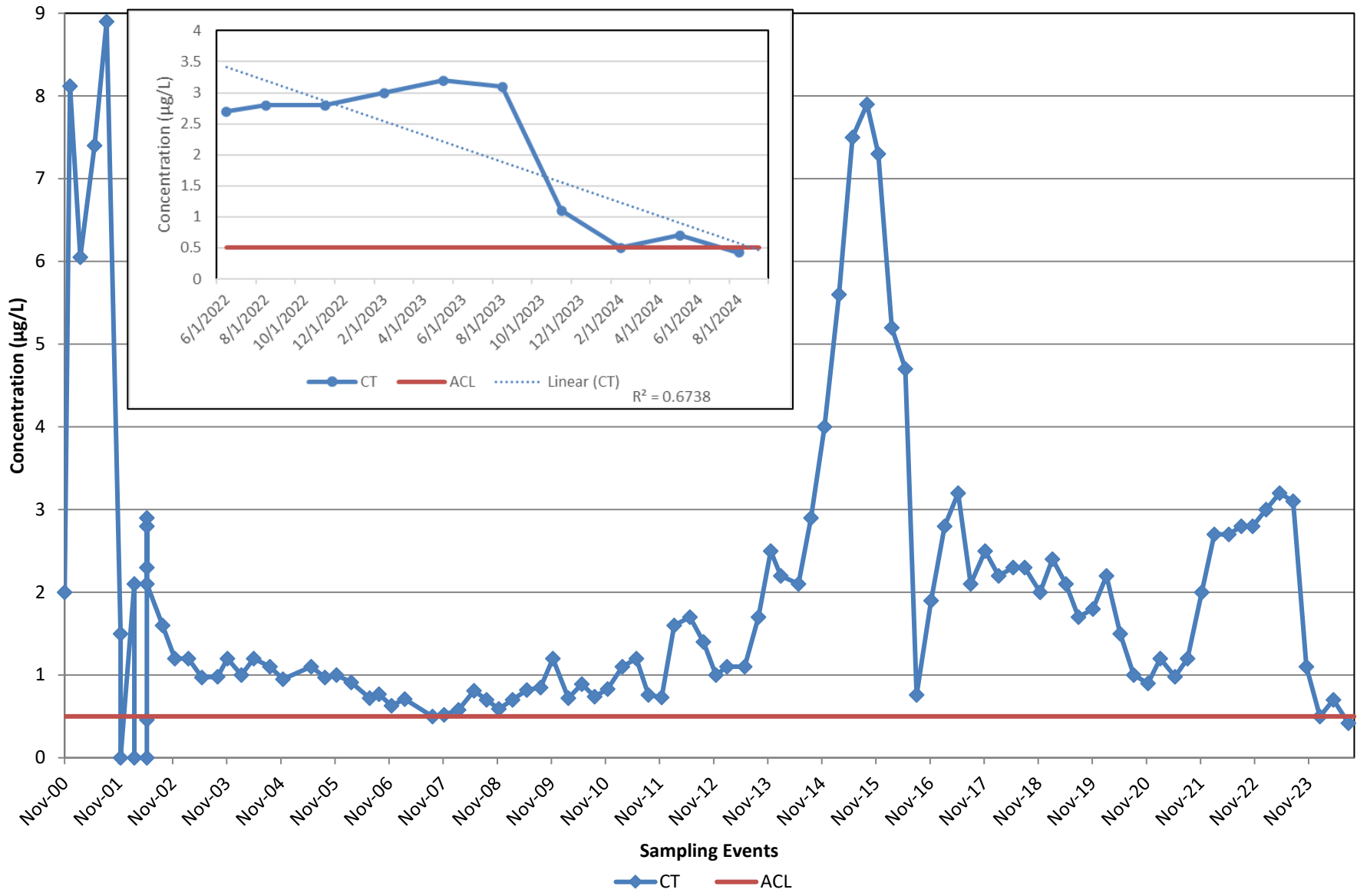


MW-BW-31-A
(Hydraulic Zone 4) [northwest of EISB Deployment Area 2B]

Operable Unit Carbon Tetrachloride Plume Fourth Quarter 2023 through Third Quarter 2024
 Groundwater Monitoring Report, Former Fort Ord, California

Figure:

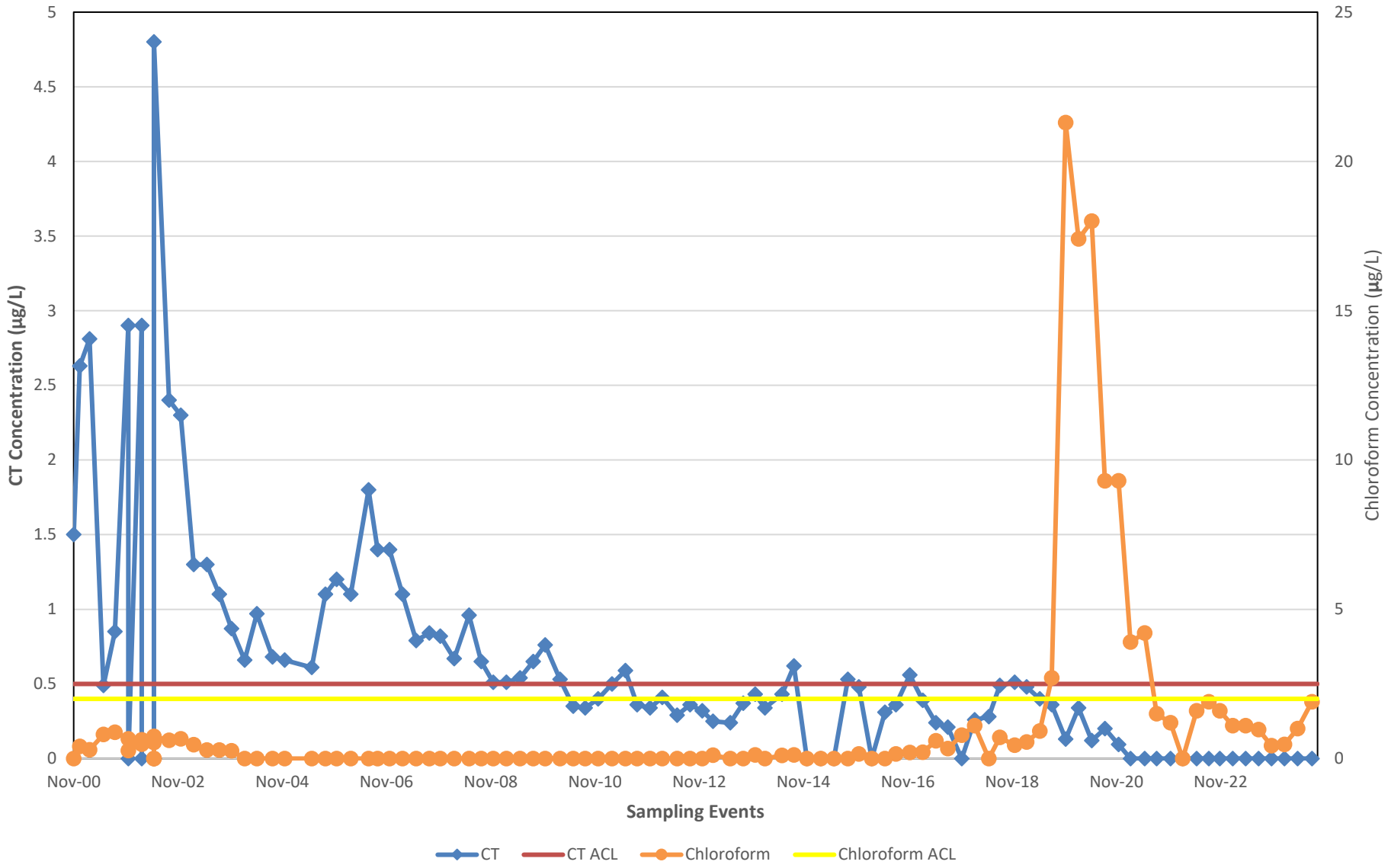
B19



MW-BW-32-A
(Hydraulic Zone 4) [southeast of EISB Deployment Area Pilot Study]

Operable Unit Carbon Tetrachloride Plume Fourth Quarter 2023 through Third Quarter 2024
 Groundwater Monitoring Report, Former Fort Ord, California

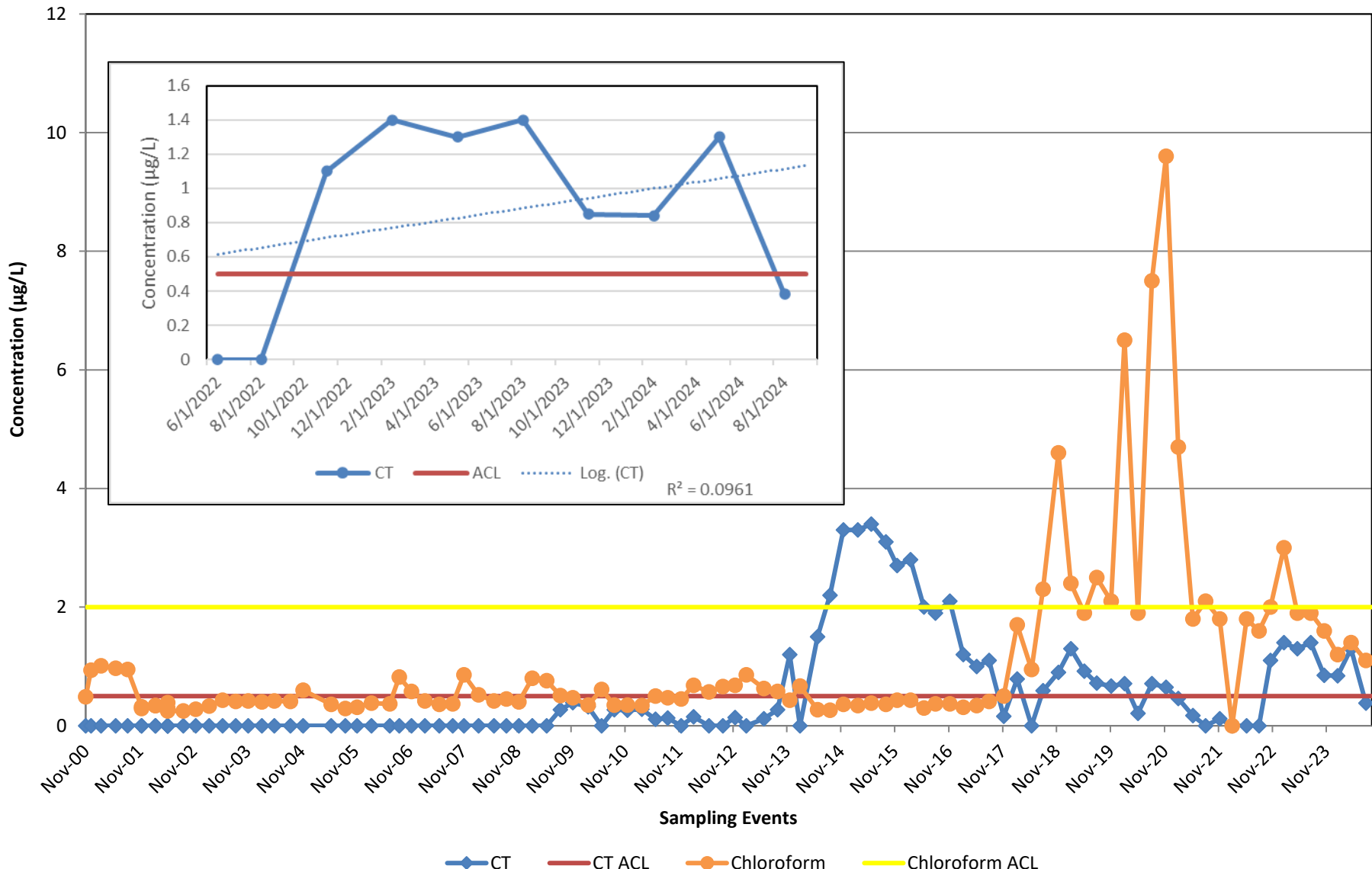
Figure:
B20



MW-BW-35-A
(Hydraulic Zone 4) [southeast of EISB Deployment Area Pilot Study]

Operable Unit Carbon Tetrachloride Plume Fourth Quarter 2023 through Third Quarter 2024
 Groundwater Monitoring Report, Former Fort Ord, California

Figure:
B21

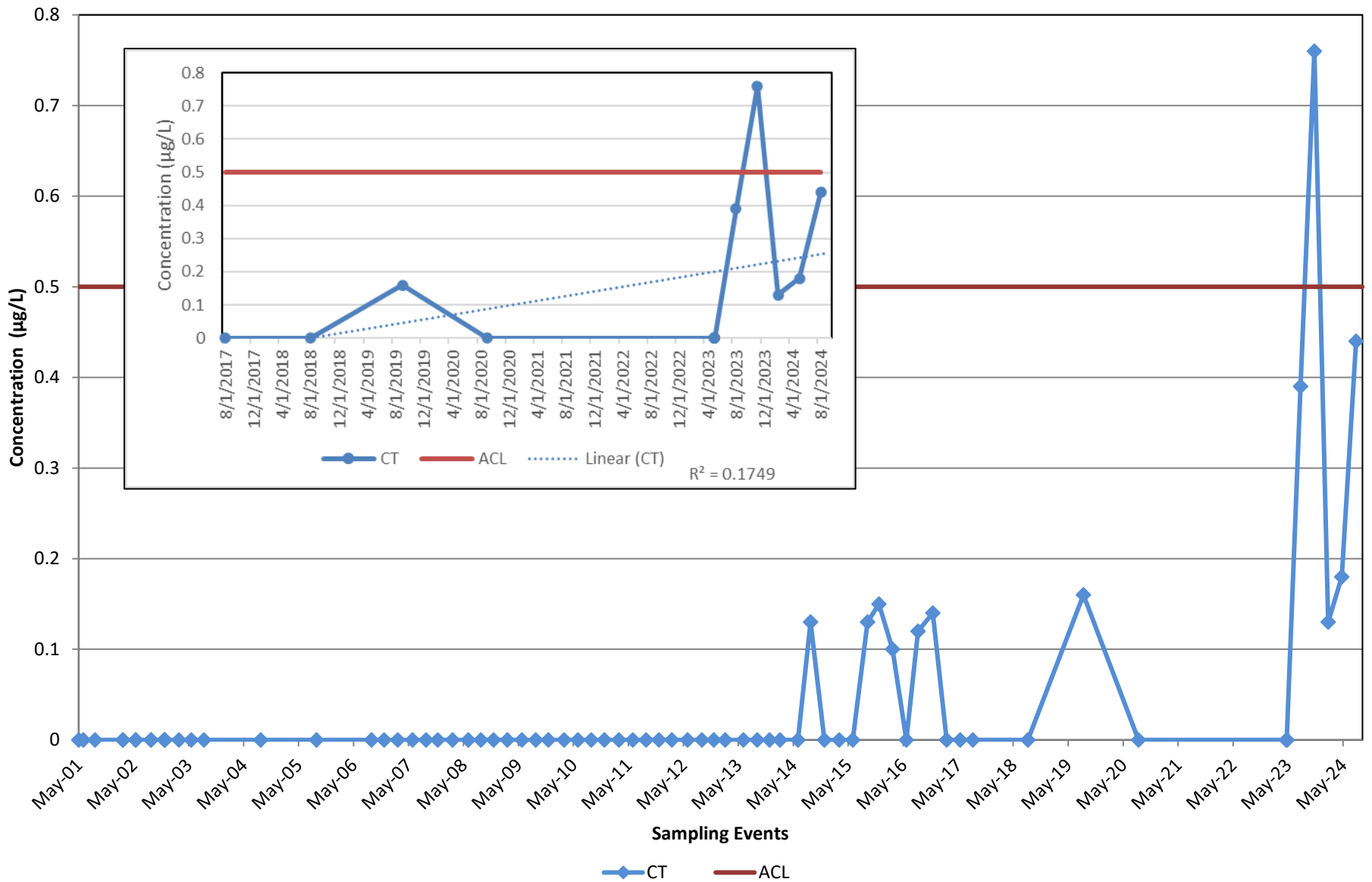


MW-BW-36-A
(Hydraulic Zone 4) [northwest of EISB Deployment Area 2B]

Operable Unit Carbon Tetrachloride Plume Fourth Quarter 2023 through Third Quarter 2024
 Groundwater Monitoring Report, Former Fort Ord, California

Figure:

B22

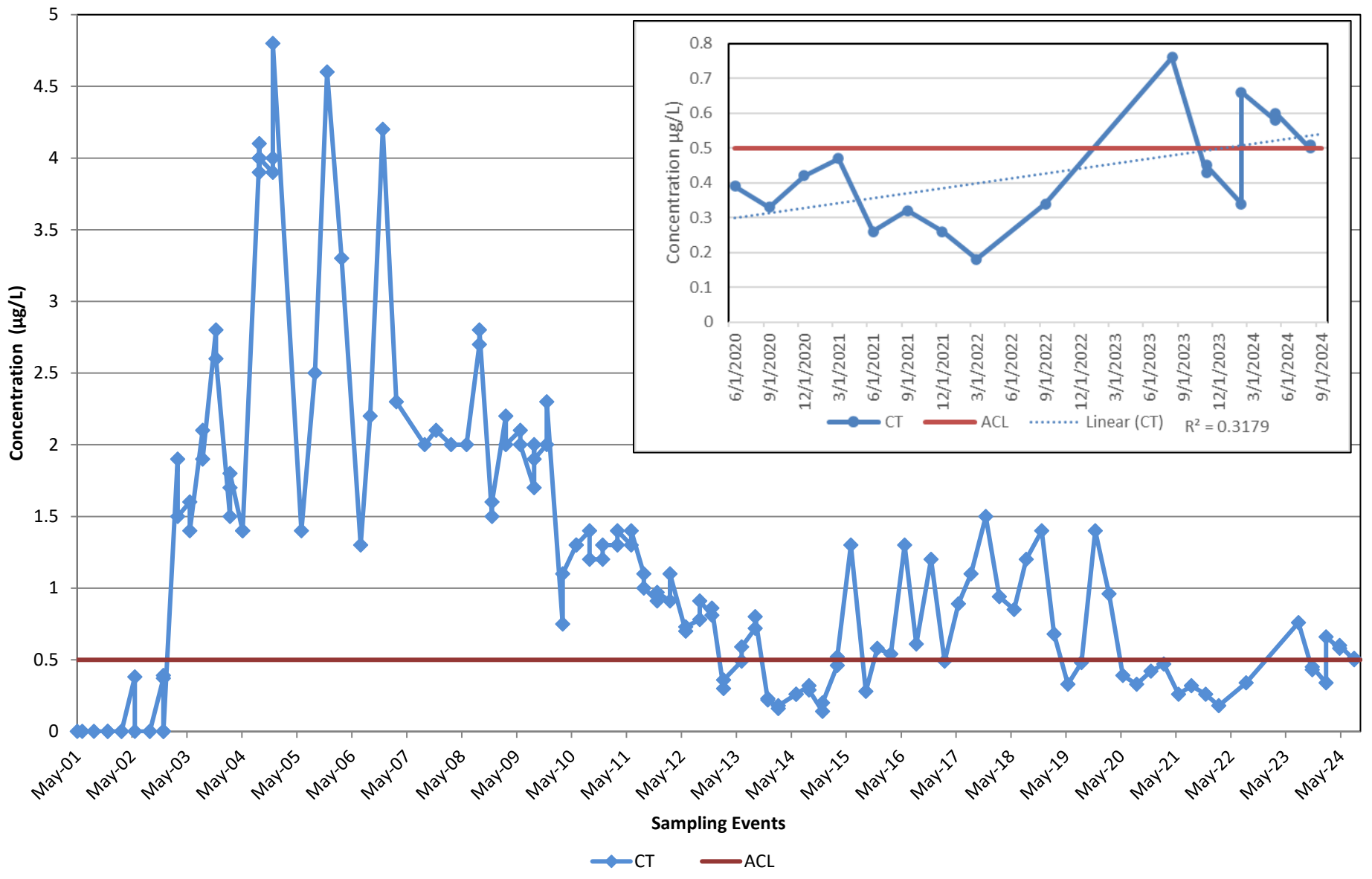


MW-BW-48-A
(Hydraulic Zone 5) [west of EISB Deployment Area Pilot Study]

Operable Unit Carbon Tetrachloride Plume Fourth Quarter 2023 through Third Quarter 2024
 Groundwater Monitoring Report, Former Fort Ord, California

Figure:

B23

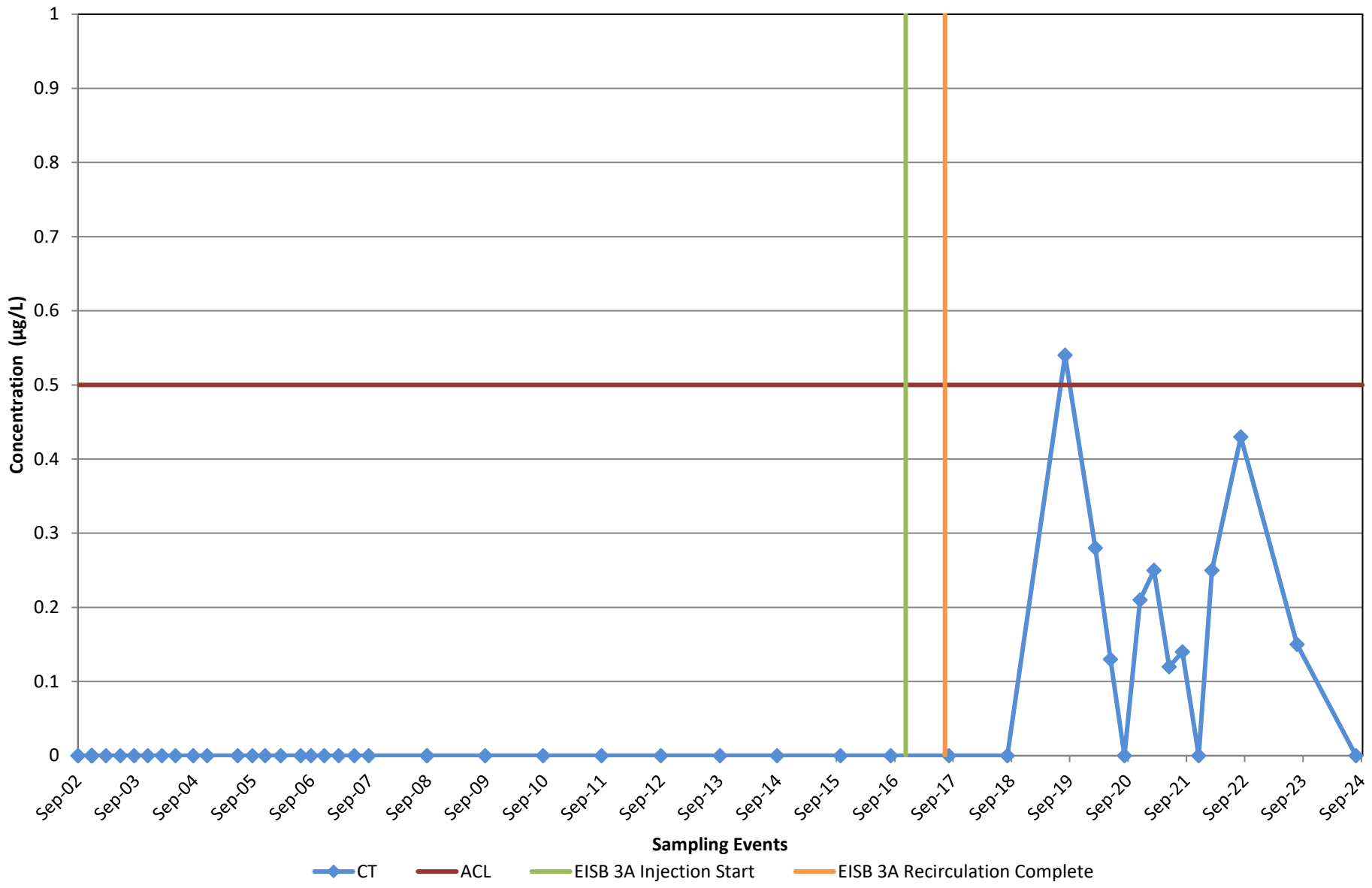


MW-BW-49-A
(Hydraulic Zone 5) [west of EISB Deployment Area Pilot Study]

Operable Unit Carbon Tetrachloride Plume Fourth Quarter 2023 through Third Quarter 2024
 Groundwater Monitoring Report, Former Fort Ord, California

Figure:

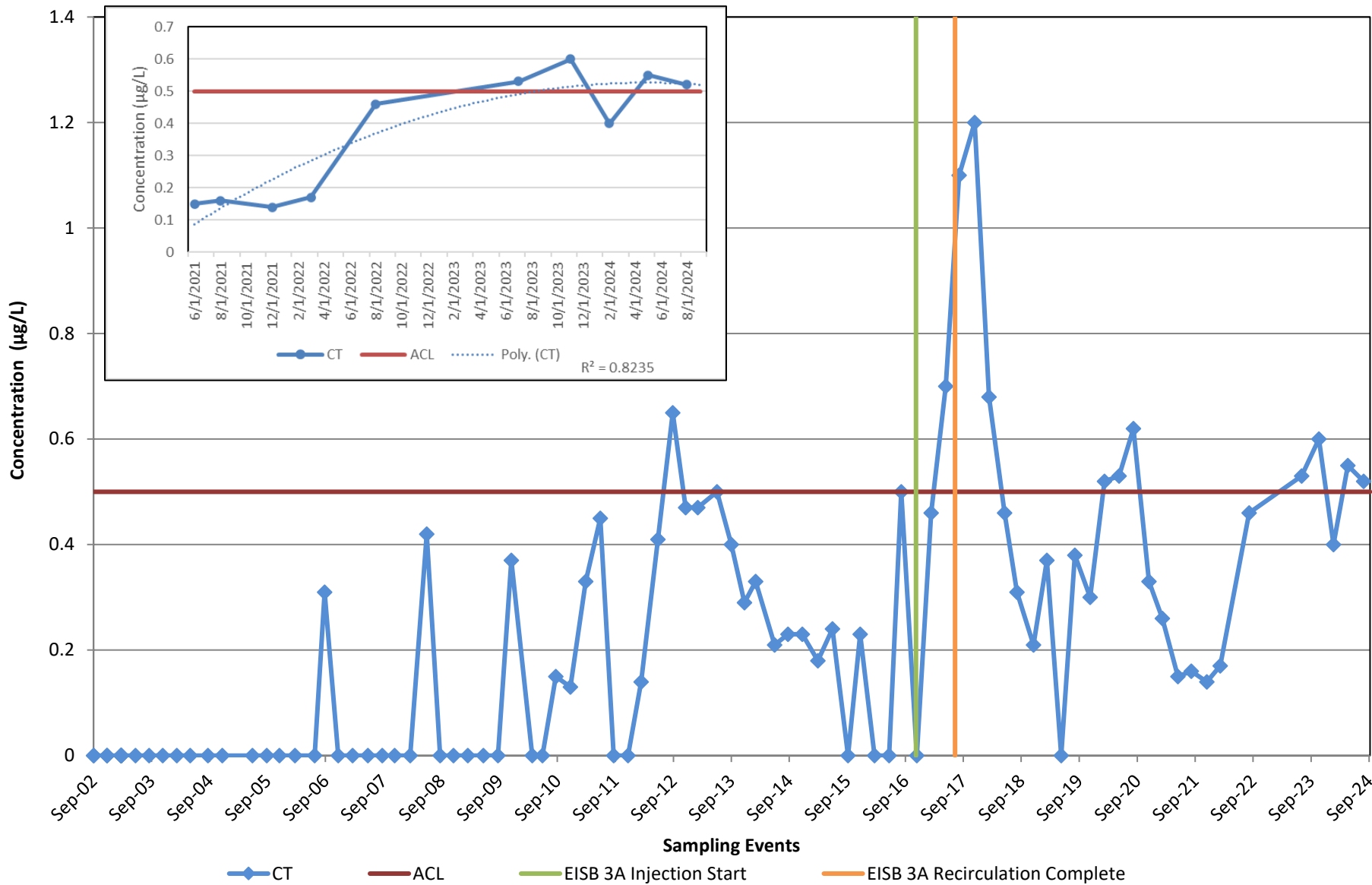
B24



MW-BW-56-A
(Hydraulic Zone 3) [EISB Deployment Area 3A]

Operable Unit Carbon Tetrachloride Plume Fourth Quarter 2023 through Third Quarter 2024
 Groundwater Monitoring Report, Former Fort Ord, California

Figure:
B25

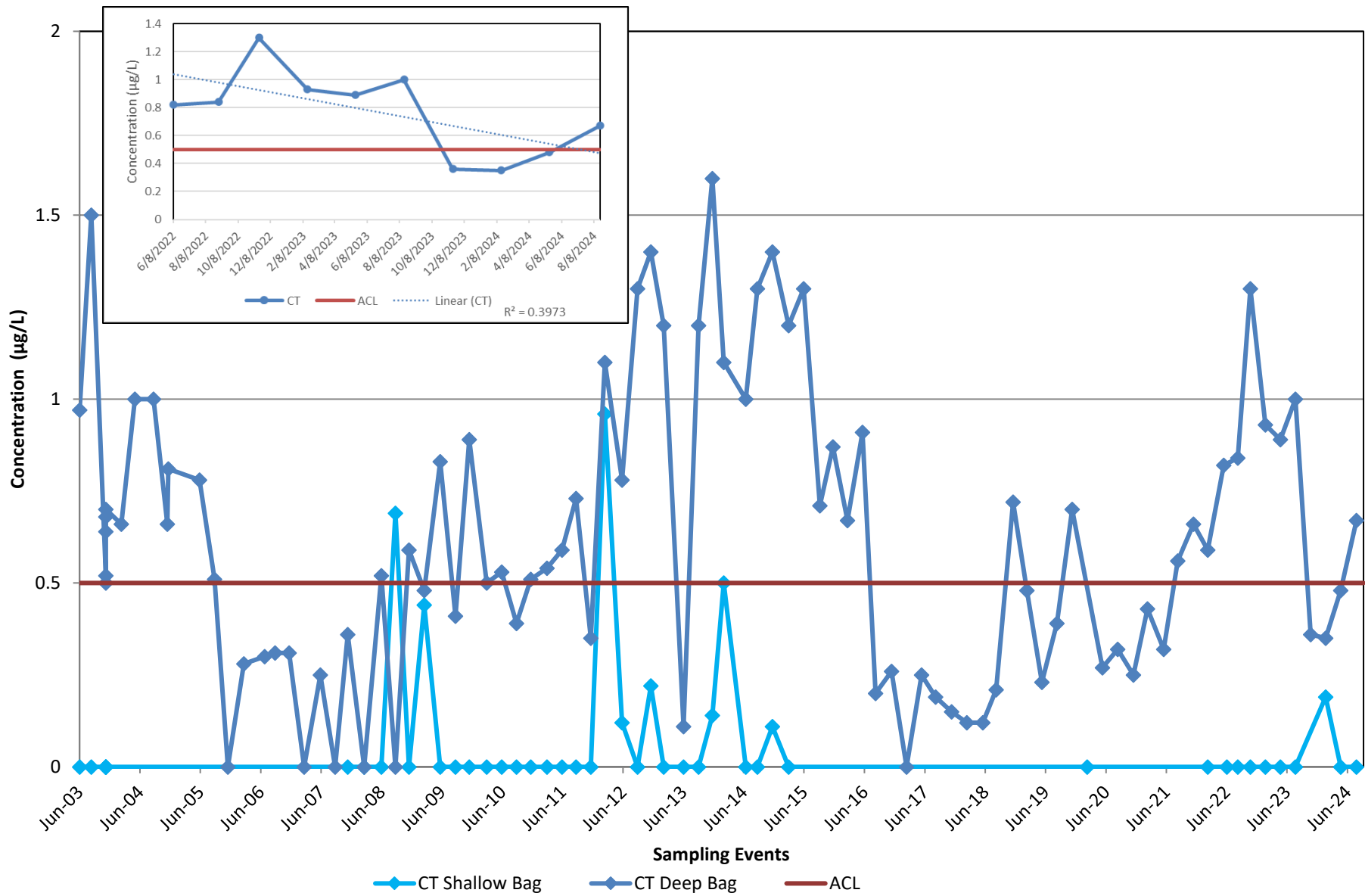


MW-BW-58-A
(Hydraulic Zone 2) [EISB Deployment Area 3A]

Operable Unit Carbon Tetrachloride Plume Fourth Quarter 2023 through Third Quarter 2024
 Groundwater Monitoring Report, Former Fort Ord, California

Figure:

B26

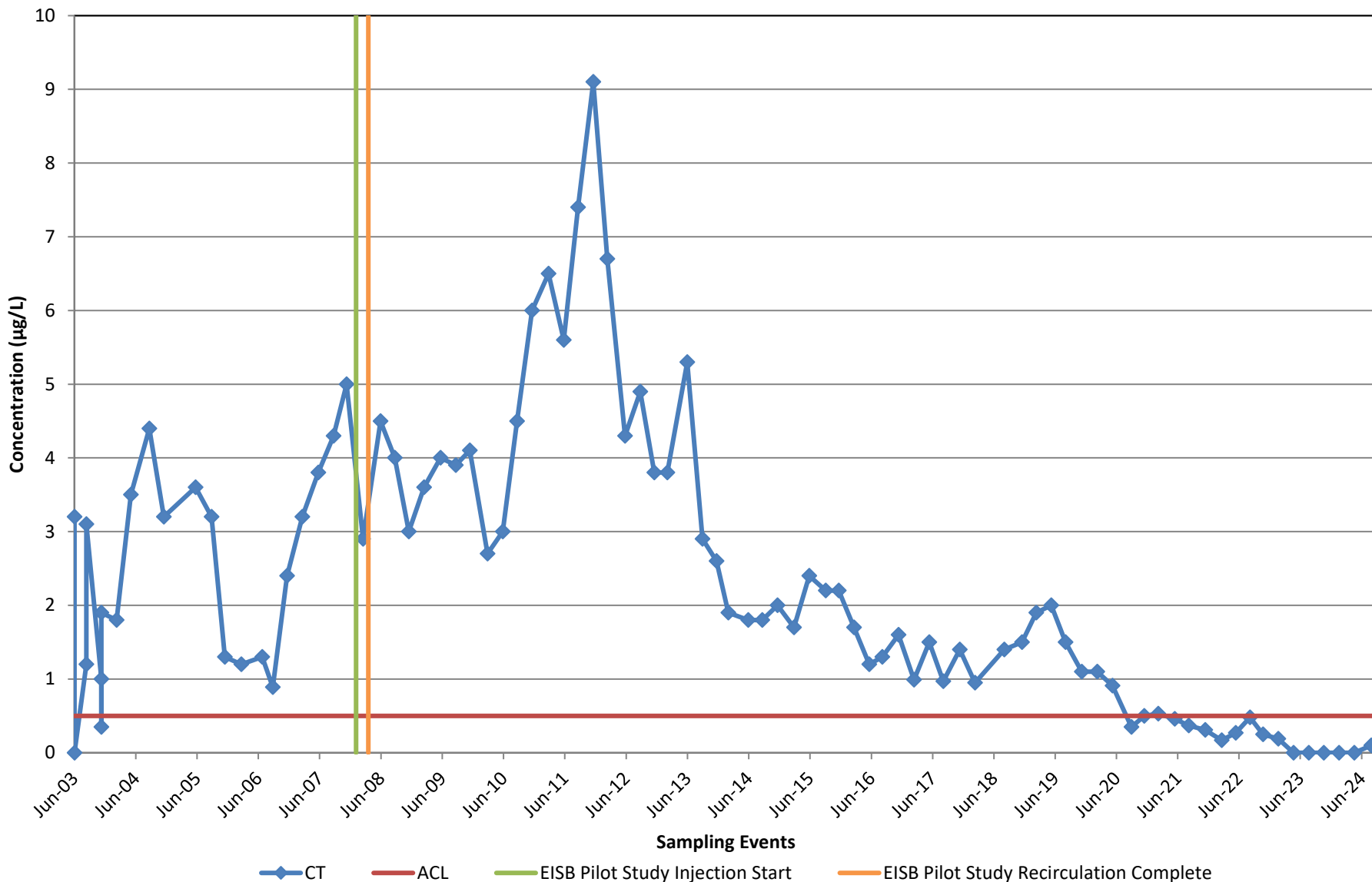


MW-BW-65-A
(Hydraulic Zone 5) [northwest of EISB Deployment Area Pilot Study]

Operable Unit Carbon Tetrachloride Plume Fourth Quarter 2023 through Third Quarter 2024
 Groundwater Monitoring Report, Former Fort Ord, California

Figure:

B27

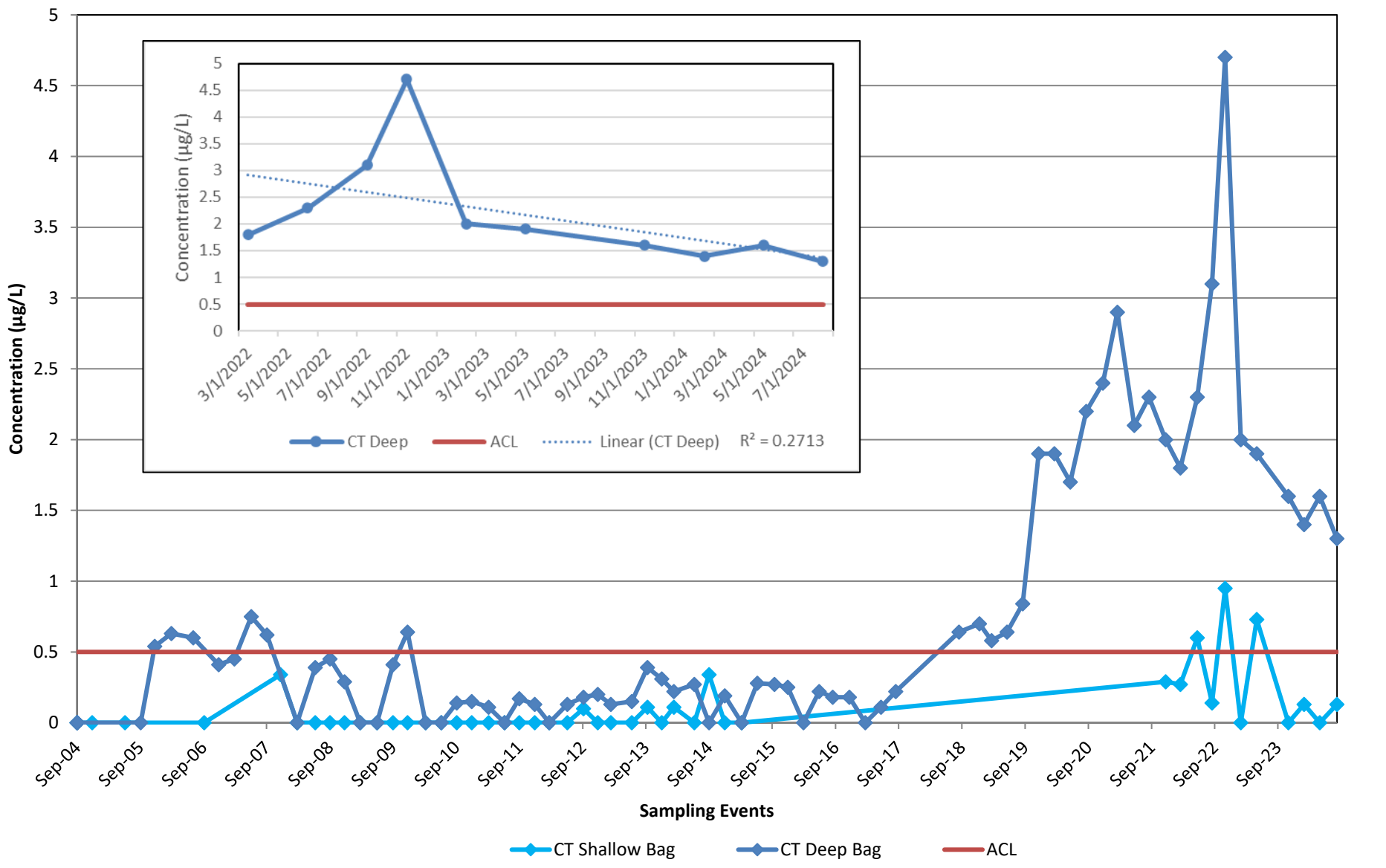


MW-BW-66-A
(Hydraulic Zone 5) [EISB Deployment Area Pilot Study]

Operable Unit Carbon Tetrachloride Plume Fourth Quarter 2023 through Third Quarter 2024
 Groundwater Monitoring Report, Former Fort Ord, California

Figure:

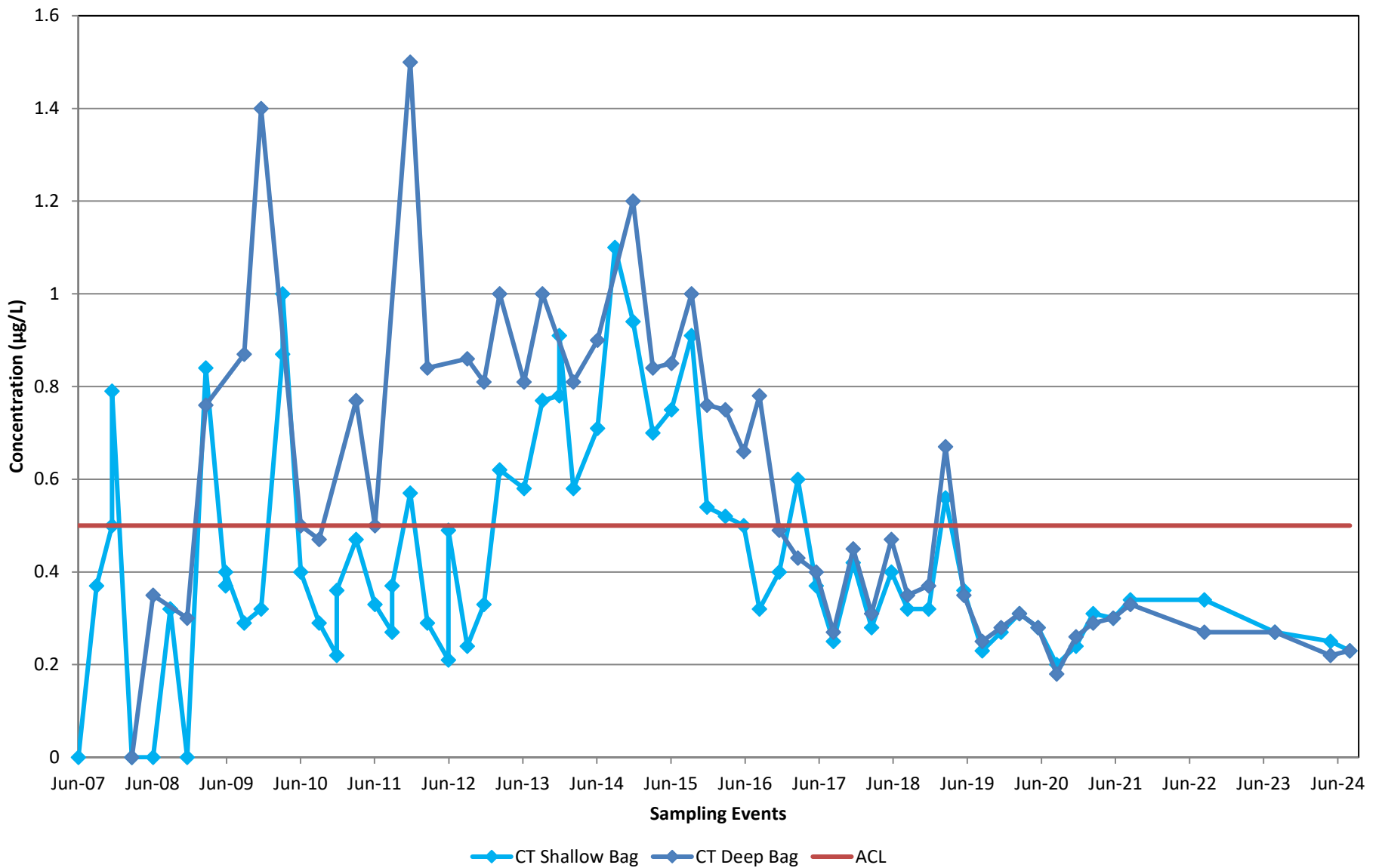
B28



MW-BW-75-A
(Hydraulic Zone 5) [northwest of EISB Deployment Area Pilot Study]

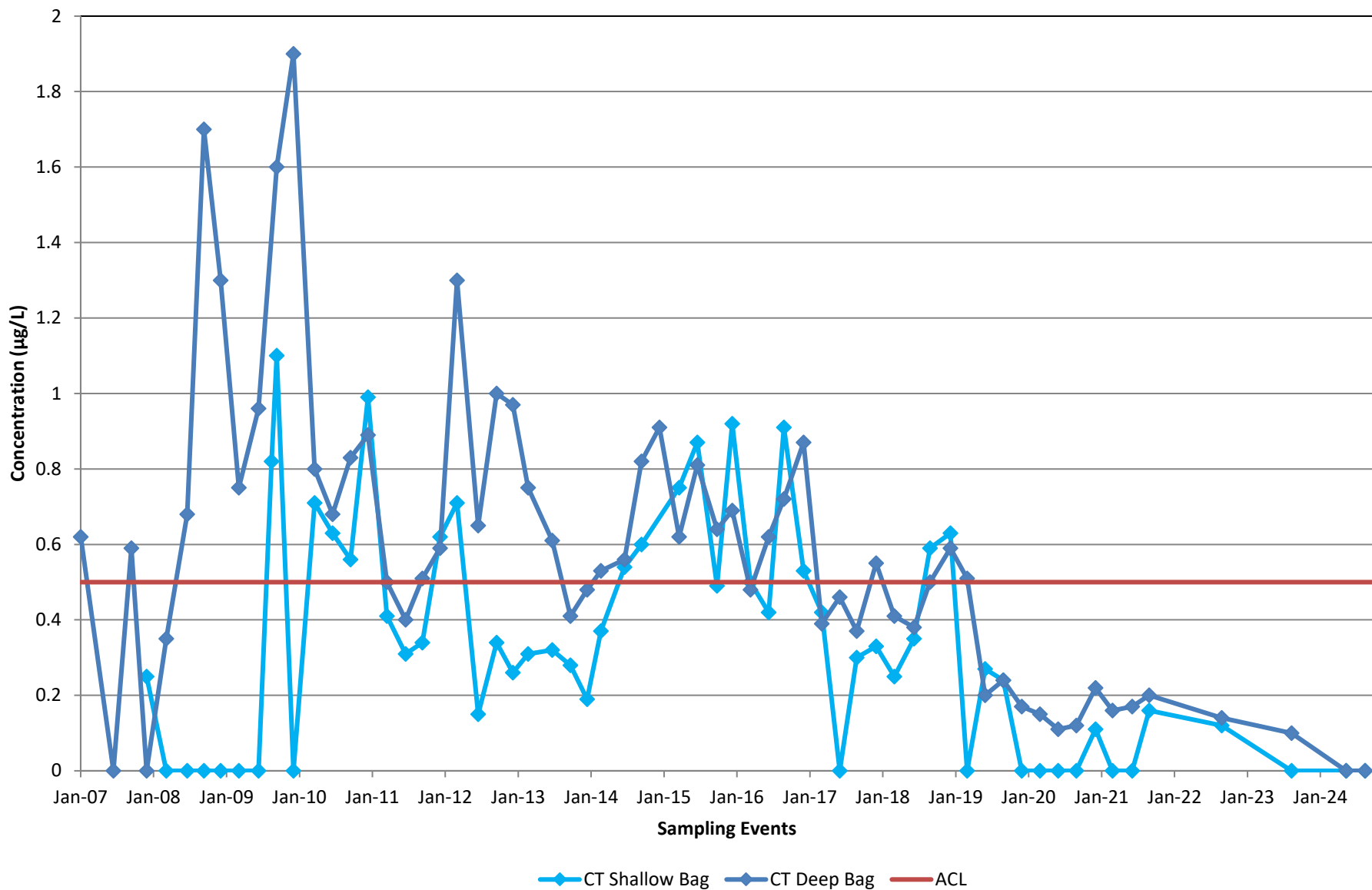
Operable Unit Carbon Tetrachloride Plume Fourth Quarter 2023 through Third Quarter 2024
 Groundwater Monitoring Report, Former Fort Ord, California

Figure:
B30



MW-BW-77-A
(Hydraulic Zone 5) [northwest of EISB Deployment Area Pilot Study]
 Operable Unit Carbon Tetrachloride Plume Fourth Quarter 2023 through Third Quarter 2024
 Groundwater Monitoring Report, Former Fort Ord, California

Figure:
B31

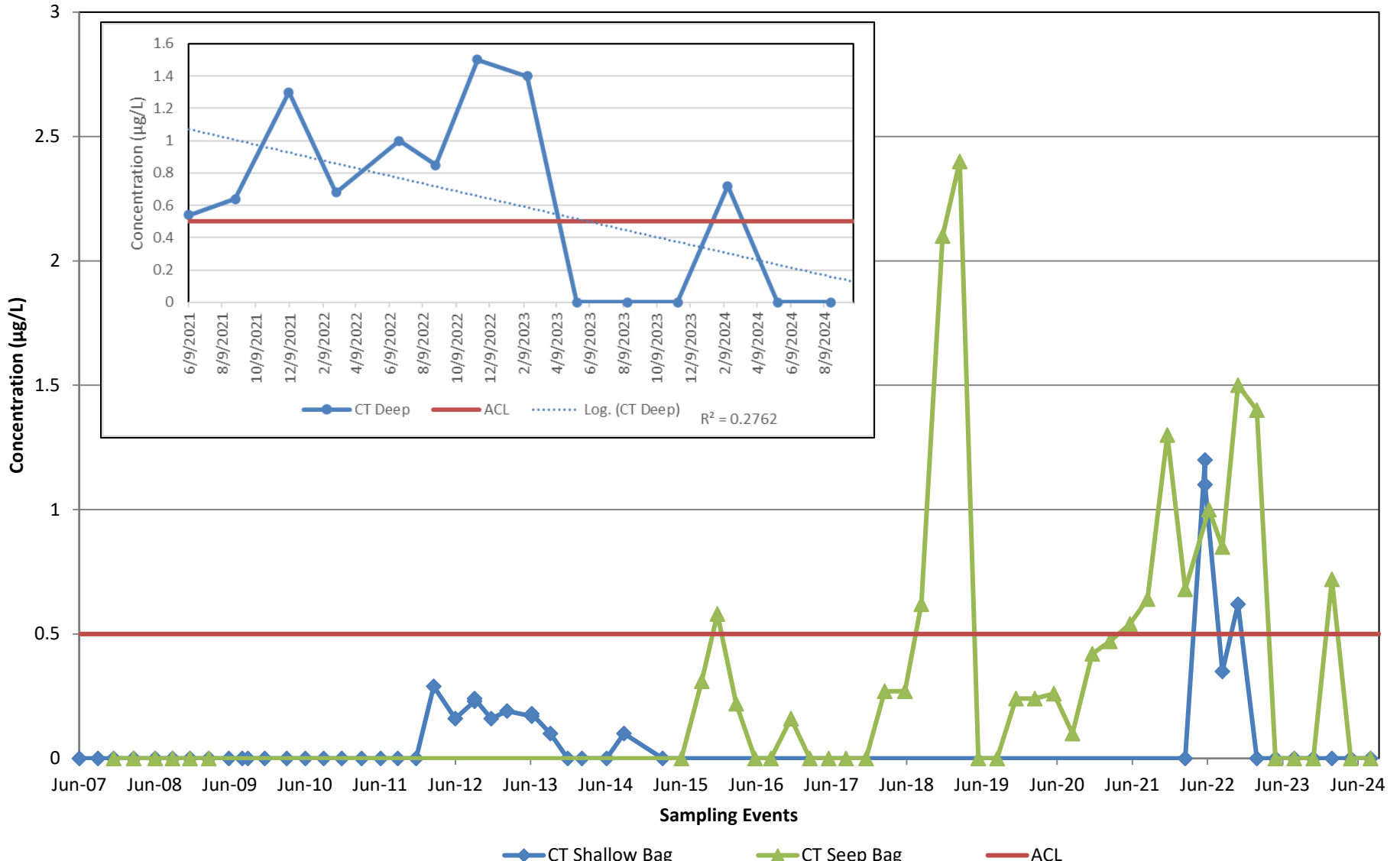


MW-BW-78-A
(Hydraulic Zone 5) [northwest of EISB Deployment Area Pilot Study]

Operable Unit Carbon Tetrachloride Plume Fourth Quarter 2023 through Third Quarter 2024
 Groundwater Monitoring Report, Former Fort Ord, California

Figure:

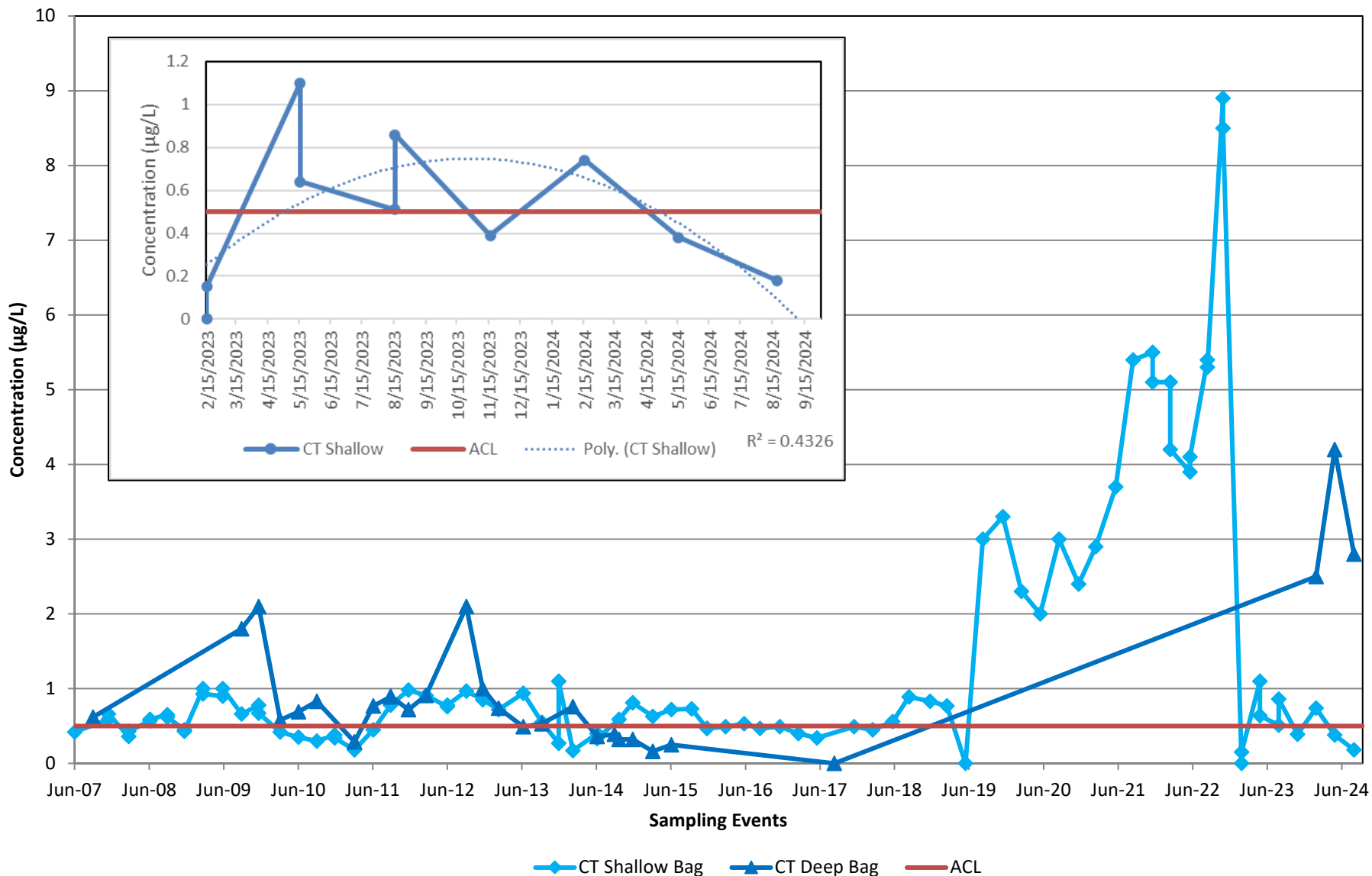
B32



MW-BW-79-A
(Hydraulic Zone 5) [northwest of EISB Deployment Area Pilot Study]

Operable Unit Carbon Tetrachloride Plume Fourth Quarter 2023 through Third Quarter 2024
 Groundwater Monitoring Report, Former Fort Ord, California

Figure:
B33

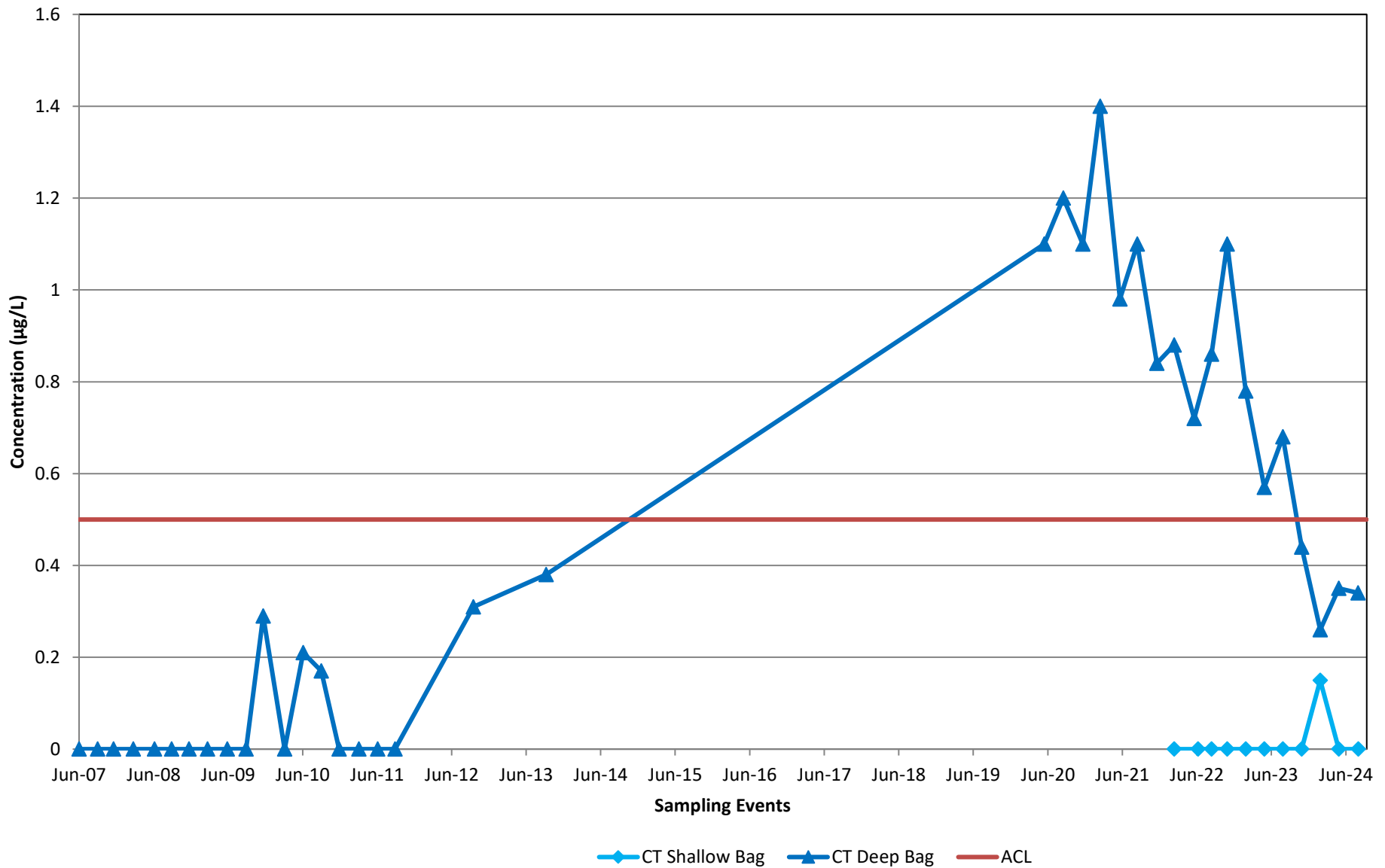


MW-BW-80-A
(Hydraulic Zone 5) [northwest of EISB Deployment Area Pilot Study]

Operable Unit Carbon Tetrachloride Plume Fourth Quarter 2023 through Third Quarter 2024
 Groundwater Monitoring Report, Former Fort Ord, California

Figure:

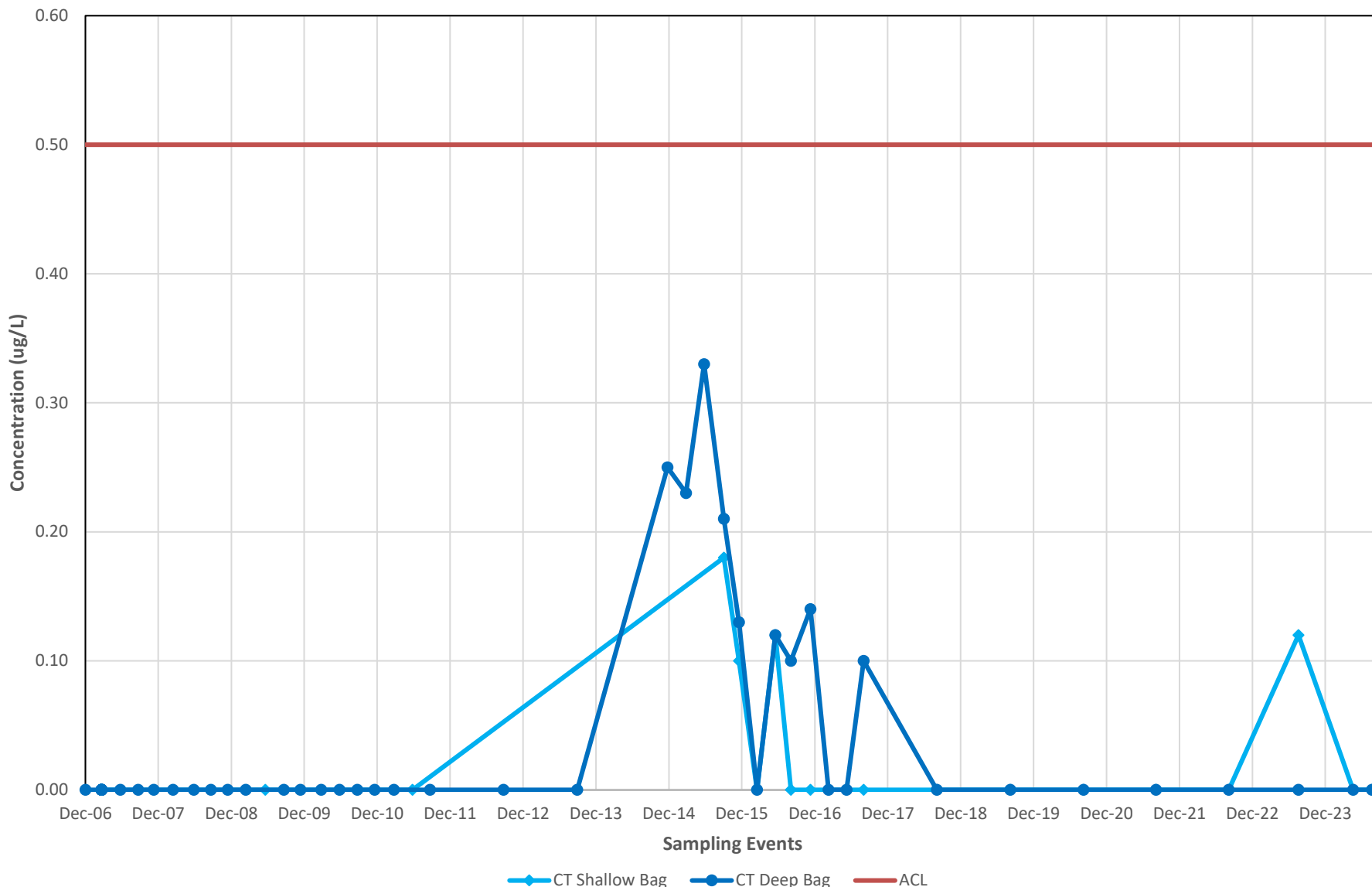
B34



MW-BW-82-A
(Hydraulic Zone 5) [northwest of EISB Deployment Area Pilot Study]

Operable Unit Carbon Tetrachloride Plume Fourth Quarter 2023 through Third Quarter 2024
 Groundwater Monitoring Report, Former Fort Ord, California

Figure:
B36

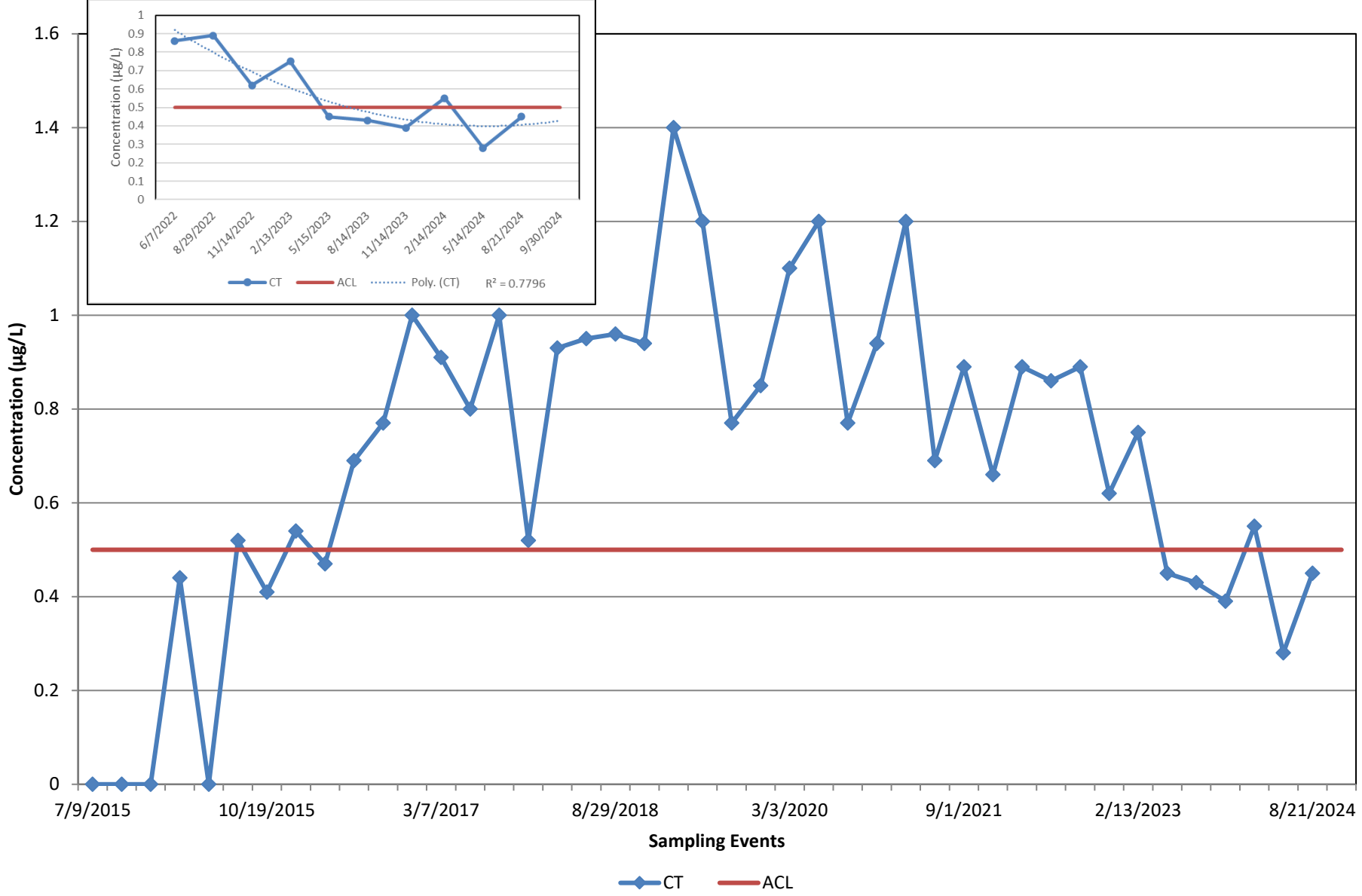


MW-BW-83-A
(Hydraulic Zone 2) [southeast of EISB Deployment Area 3A]

Operable Unit Carbon Tetrachloride Plume Fourth Quarter 2023 through Third Quarter 2024
 Groundwater Monitoring Report, Former Fort Ord, California

Figure:

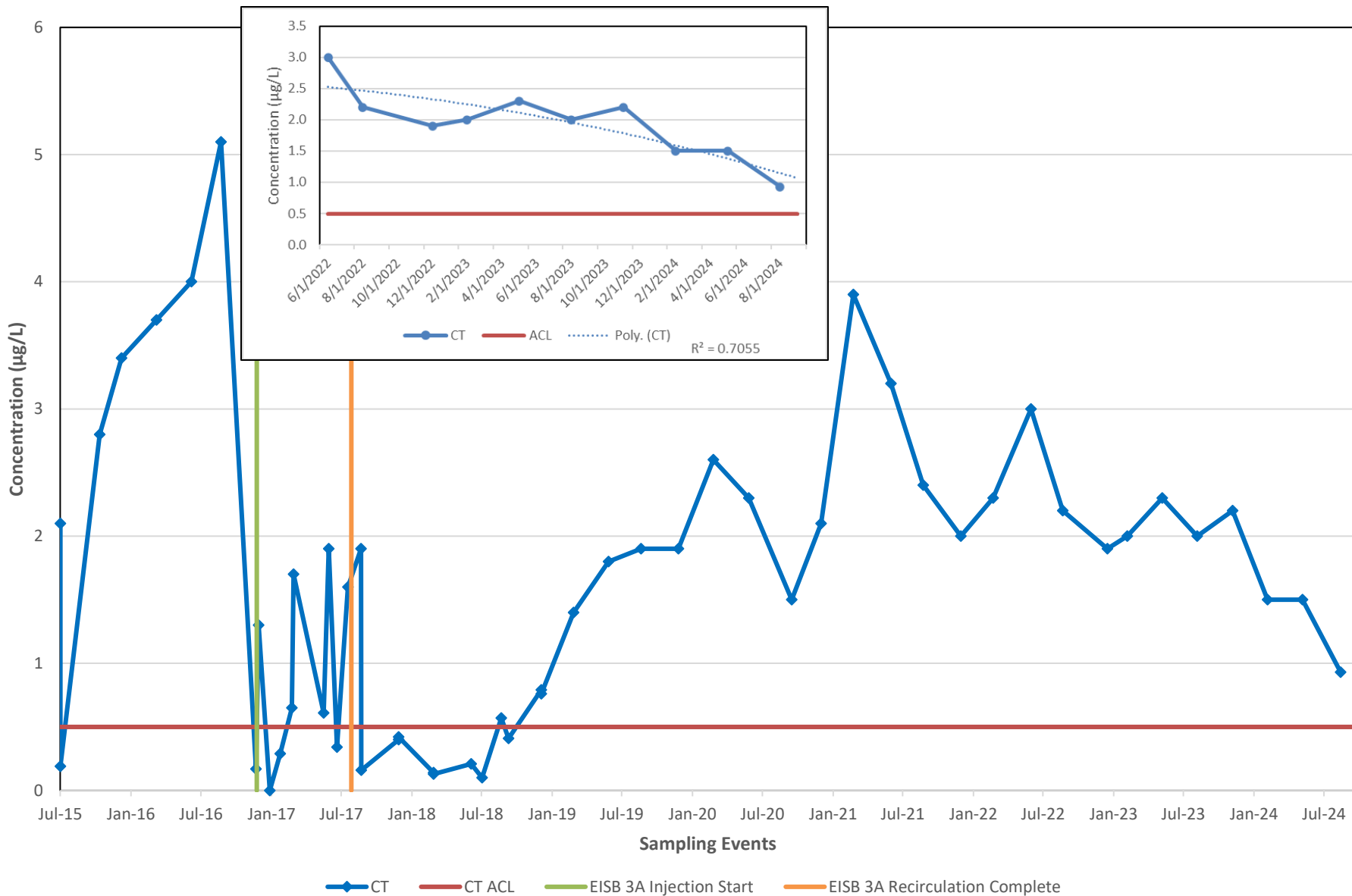
B37



MW-BW-85-A
(Hydraulic Zone 2) [southeast of EISB Deployment Area 3A]

Operable Unit Carbon Tetrachloride Plume Fourth Quarter 2023 through Third Quarter 2024
 Groundwater Monitoring Report, Former Fort Ord, California

Figure:
B38

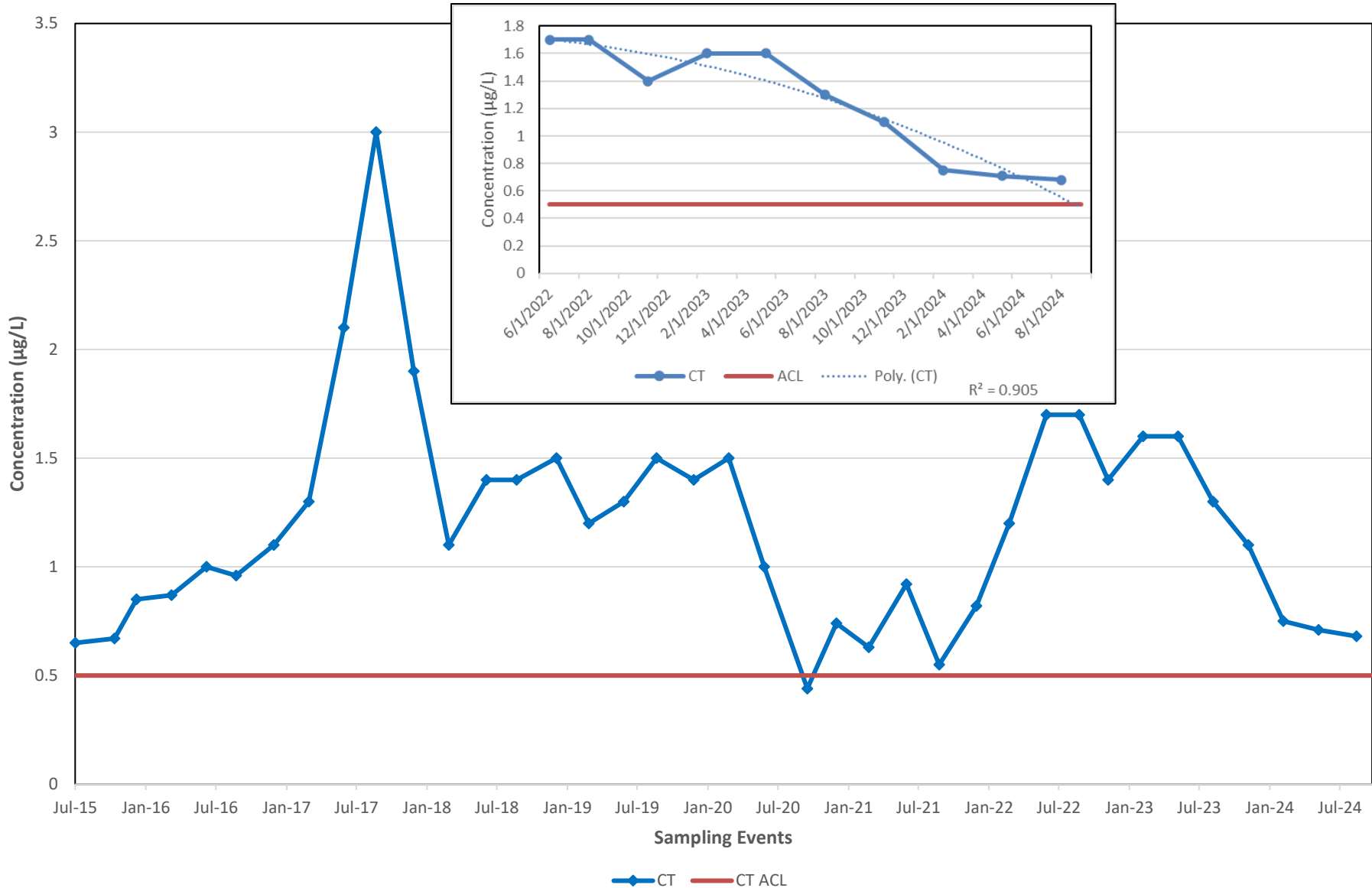


MW-BW-87-A
(Hydraulic Zone 2) [EISB Deployment Area 3A]

Operable Unit Carbon Tetrachloride Plume Fourth Quarter 2023 through Third Quarter 2024
 Groundwater Monitoring Report, Former Fort Ord, California

Figure:

B39

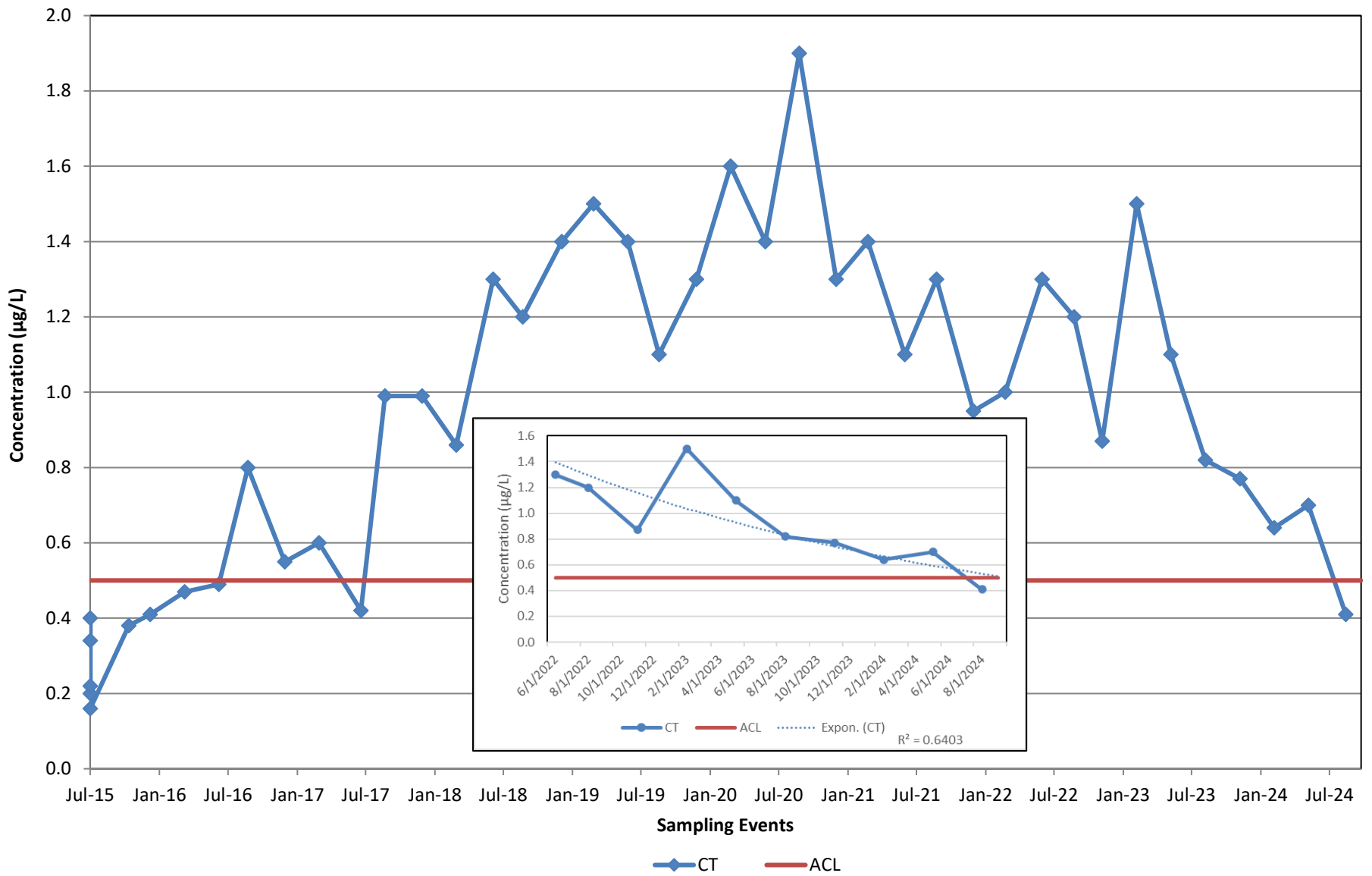


MW-BW-88-A
(Hydraulic Zone 2) [north of EISB Deployment Area 3A]

Operable Unit Carbon Tetrachloride Plume Fourth Quarter 2023 through Third Quarter 2024
 Groundwater Monitoring Report, Former Fort Ord, California

Figure:

B40

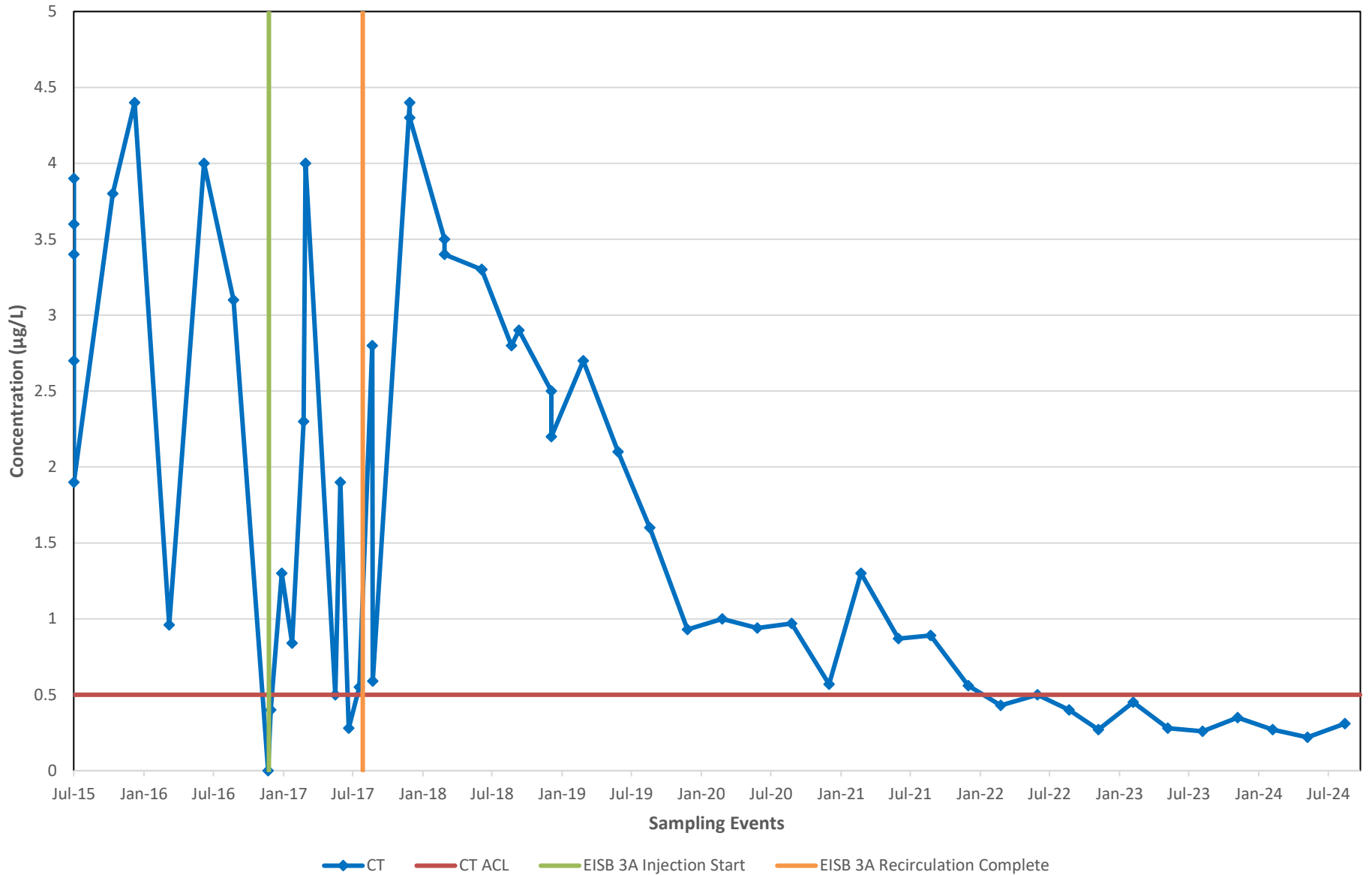


MW-BW-90-A
(Hydraulic Zone 2) [northeast of EISB Deployment Area 3A]

Operable Unit Carbon Tetrachloride Plume Fourth Quarter 2023 through Third Quarter 2024
 Groundwater Monitoring Report, Former Fort Ord, California

Figure:

B42

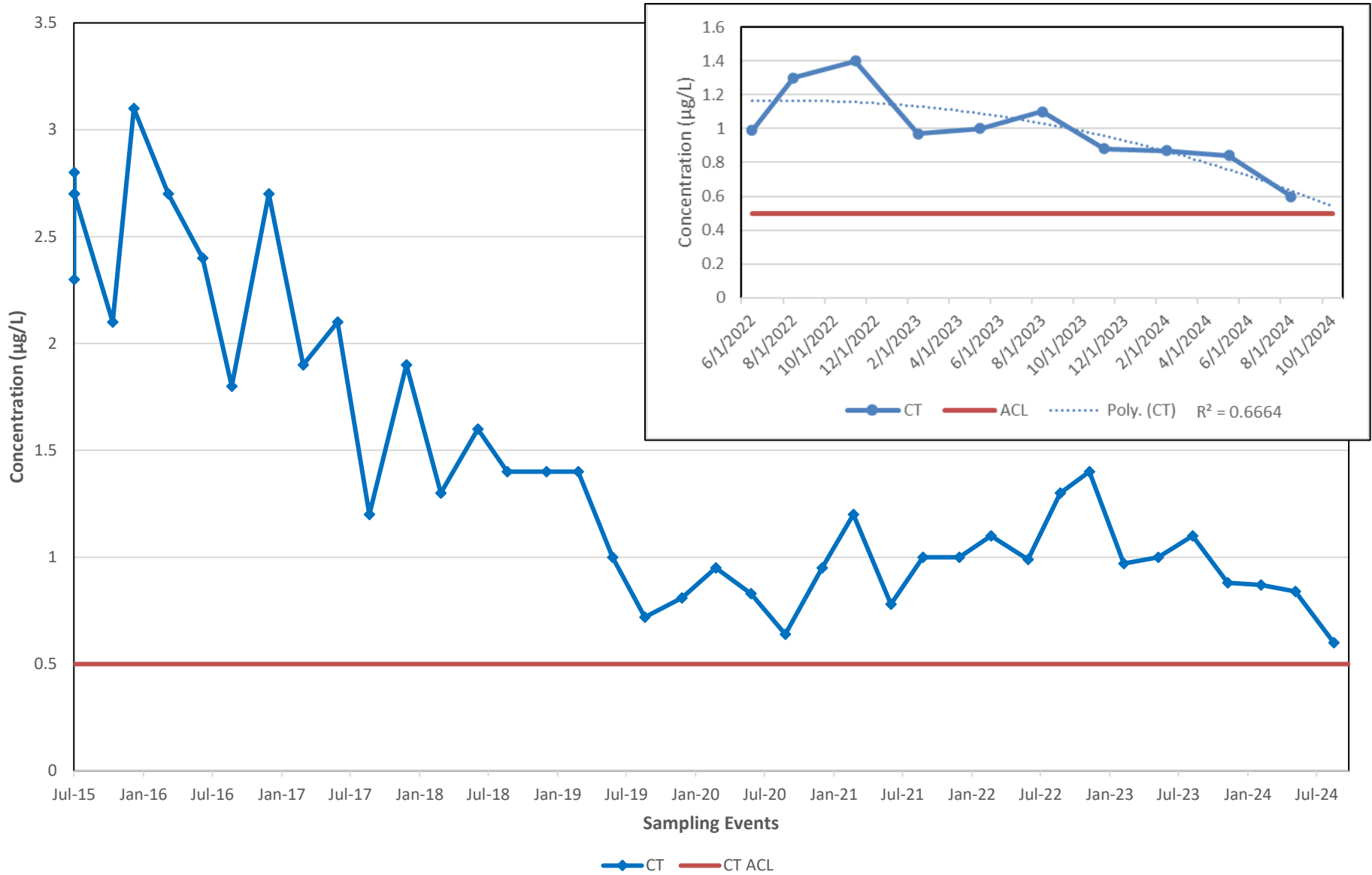


MW-BW-91-A
(Hydraulic Zone 2) [EISB Deployment Area 3A]

Operable Unit Carbon Tetrachloride Plume Fourth Quarter 2023 through Third Quarter 2024
 Groundwater Monitoring Report, Former Fort Ord, California

Figure:

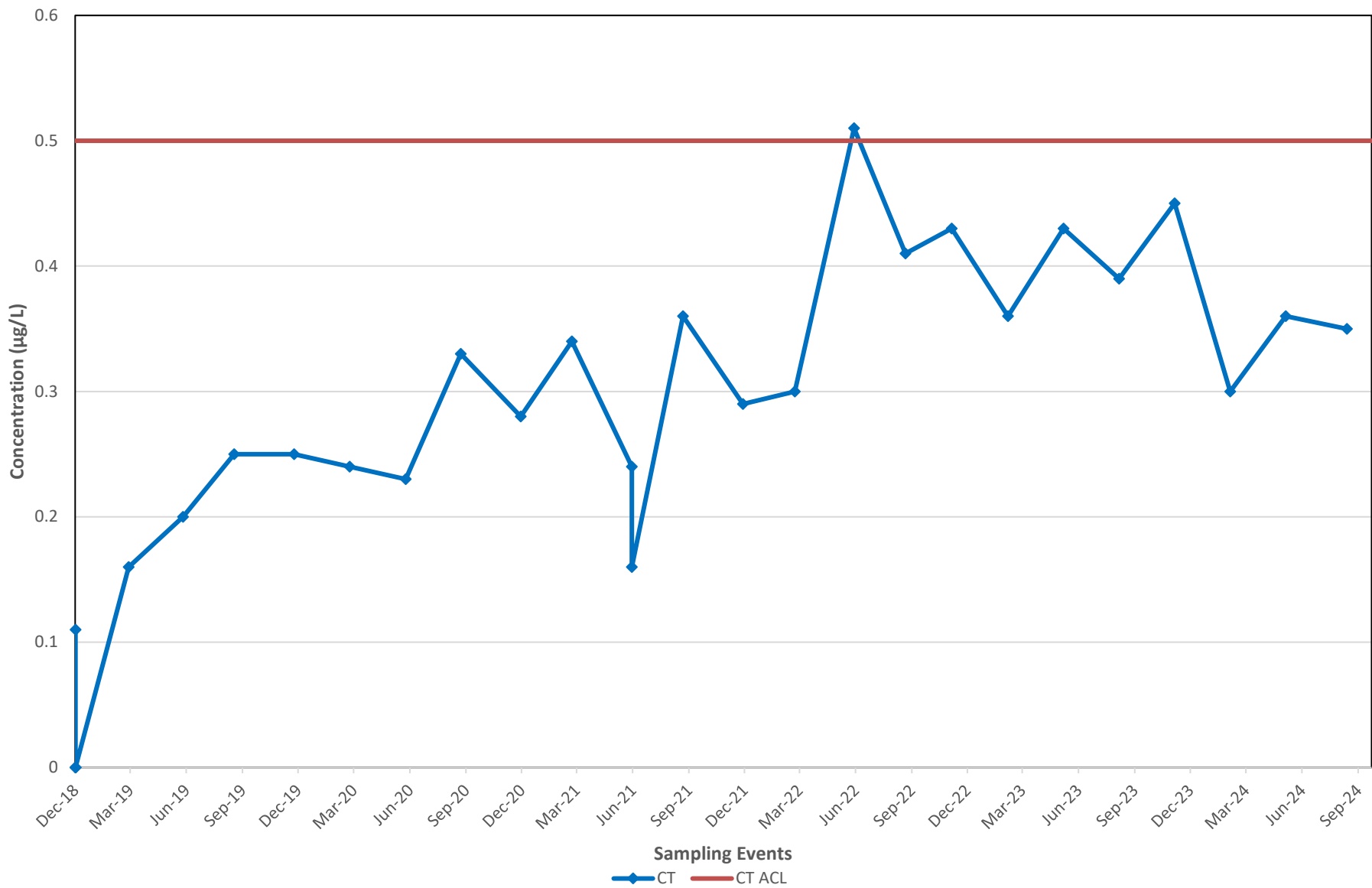
B43



MW-BW-92-A
(Hydraulic Zone 4) [northwest of EISB Deployment Area 2B]
 Operable Unit Carbon Tetrachloride Plume Fourth Quarter 2023 through Third Quarter 2024
 Groundwater Monitoring Report, Former Fort Ord, California

Figure:

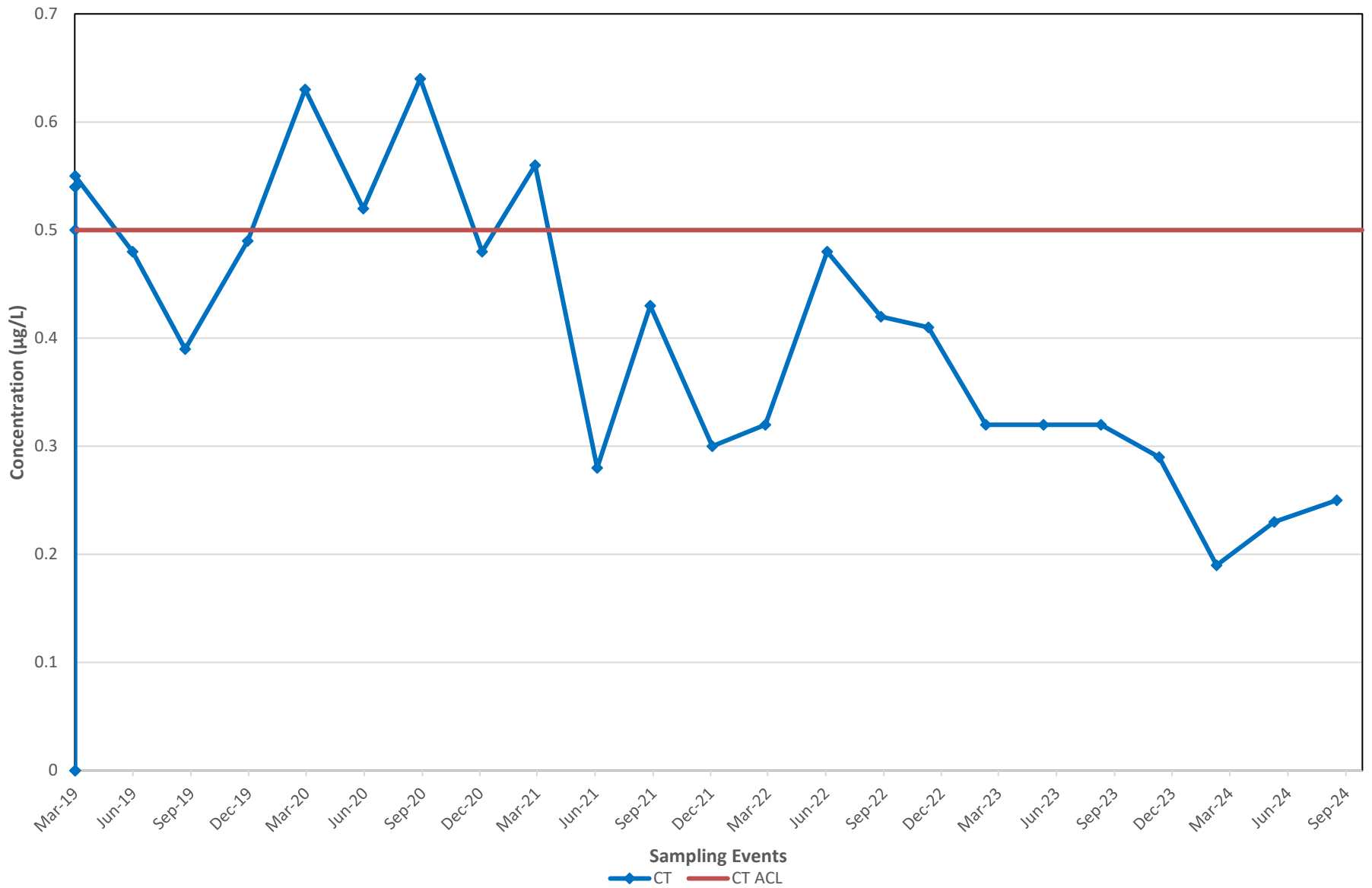
B44



MW-BW-93-A
(Hydraulic Zone 3) [northwest of EISB Deployment Area 3A]

Operable Unit Carbon Tetrachloride Plume Fourth Quarter 2023 through Third Quarter 2024
 Groundwater Monitoring Report, Former Fort Ord, California

Figure:
B45

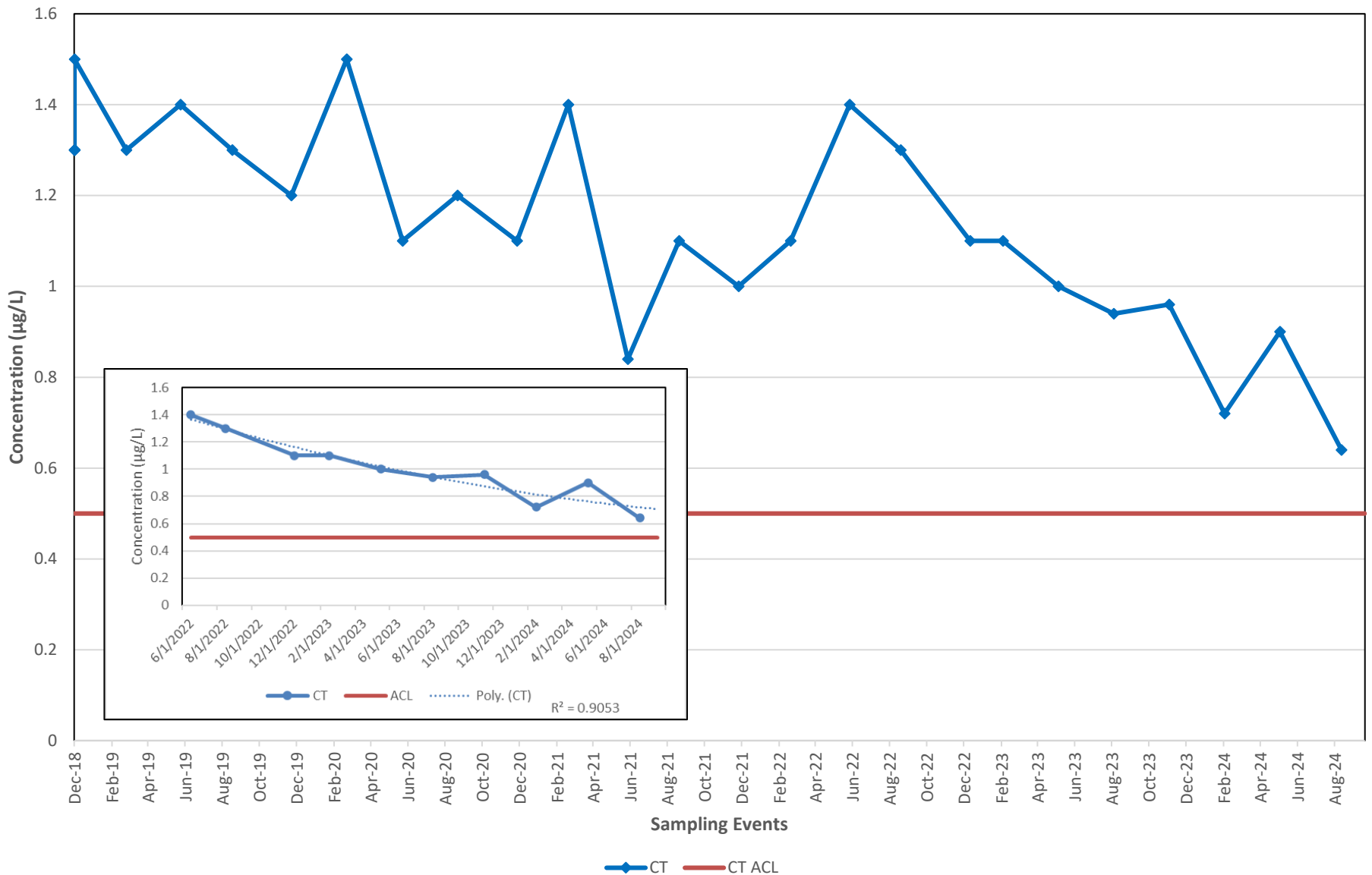


MW-BW-94-AR
(Hydraulic Zone 2) [northeast of EISB Deployment Area 3A]

Operable Unit Carbon Tetrachloride Plume Fourth Quarter 2023 through Third Quarter 2024
 Groundwater Monitoring Report, Former Fort Ord, California

Figure:

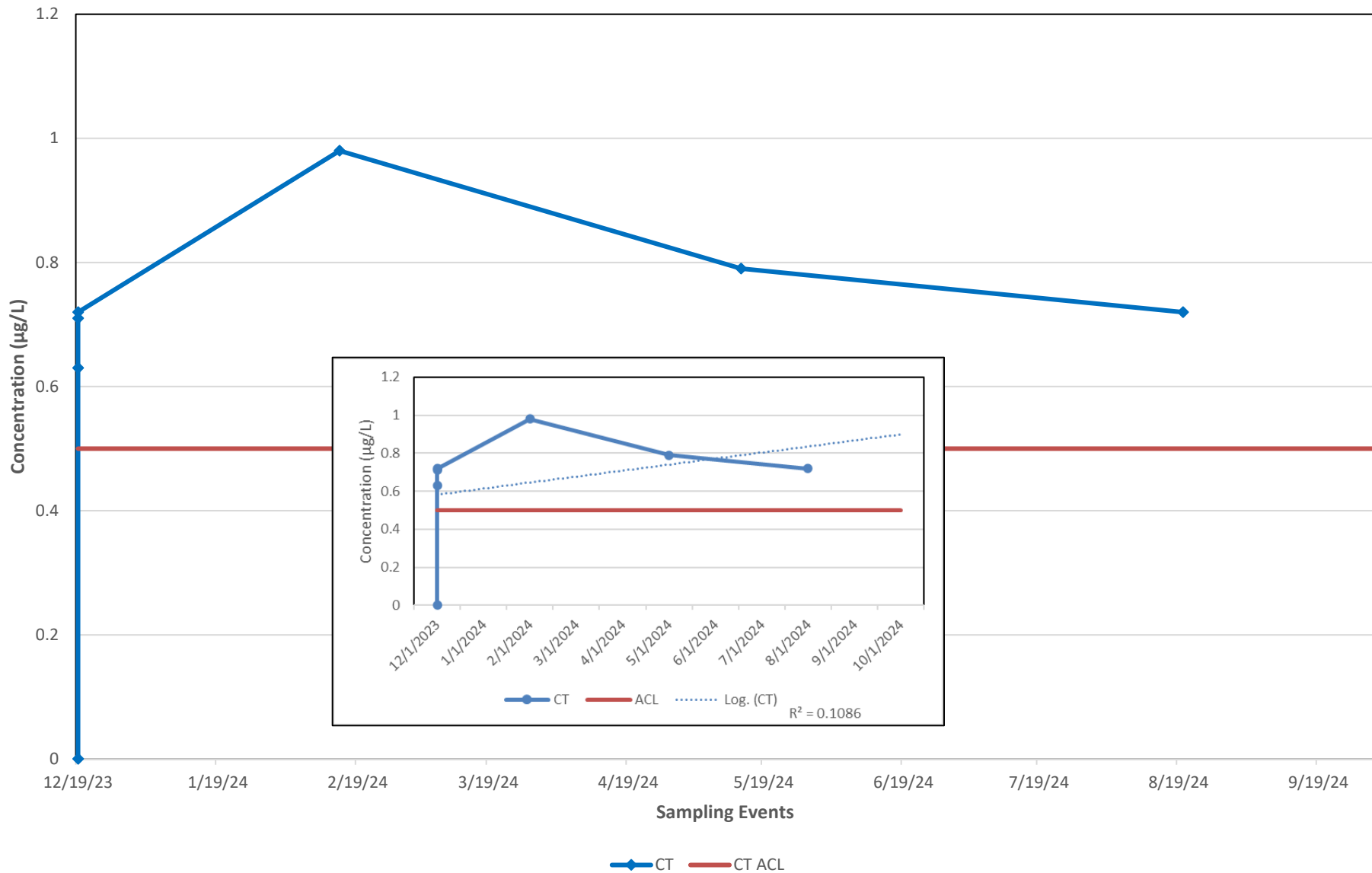
B46



MW-BW-95-A
(Hydraulic Zone 3) [north of EISB Deployment Area 2B]

Operable Unit Carbon Tetrachloride Plume Fourth Quarter 2023 through Third Quarter 2024
 Groundwater Monitoring Report, Former Fort Ord, California

Figure:
B47

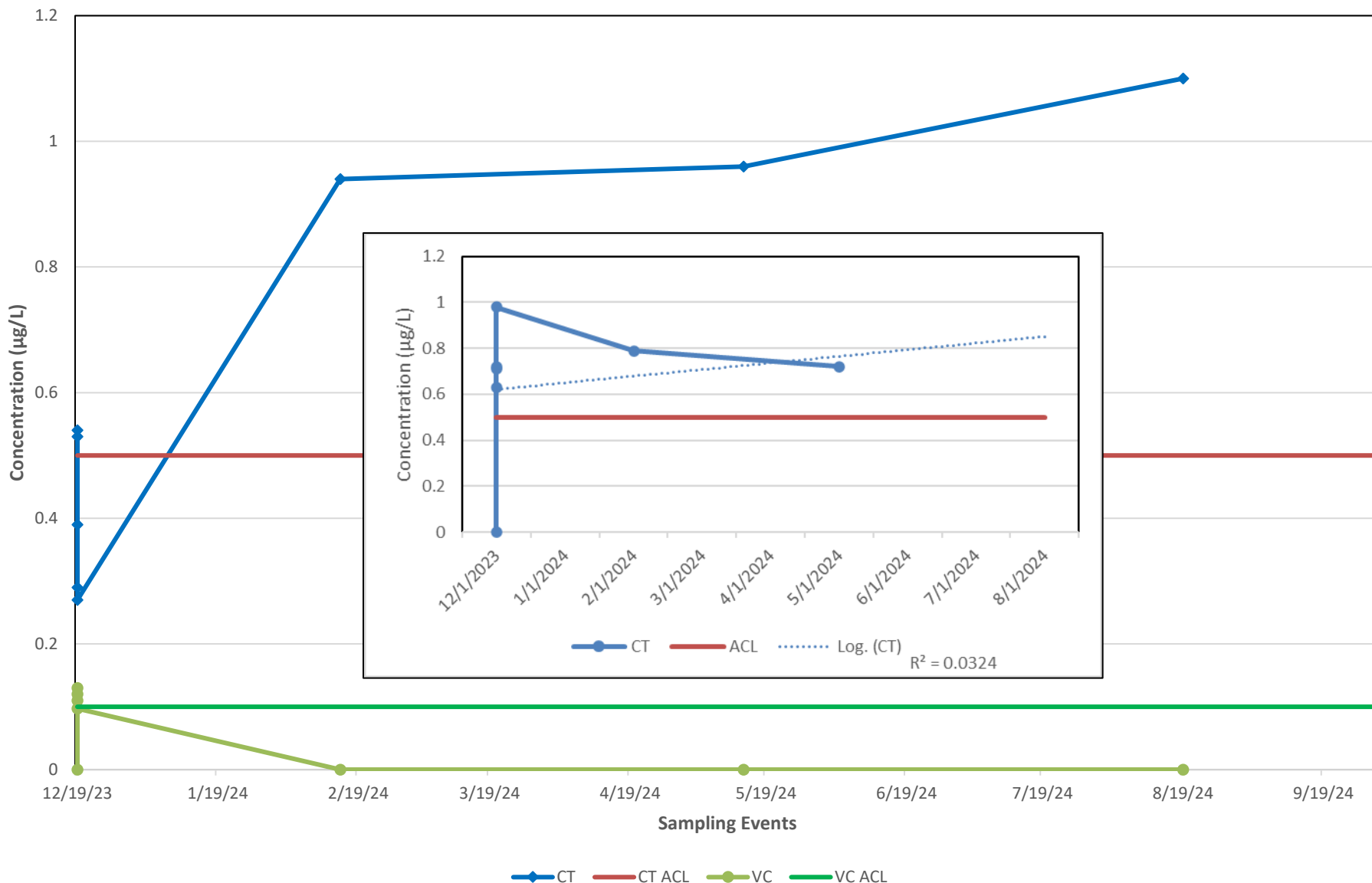


MW-BW-101-A
(Hydraulic Zone 2) [north of EISB Deployment Area 3A]

Operable Unit Carbon Tetrachloride Plume Fourth Quarter 2023 through Third Quarter 2024
 Groundwater Monitoring Report, Former Fort Ord, California

Figure:

B48

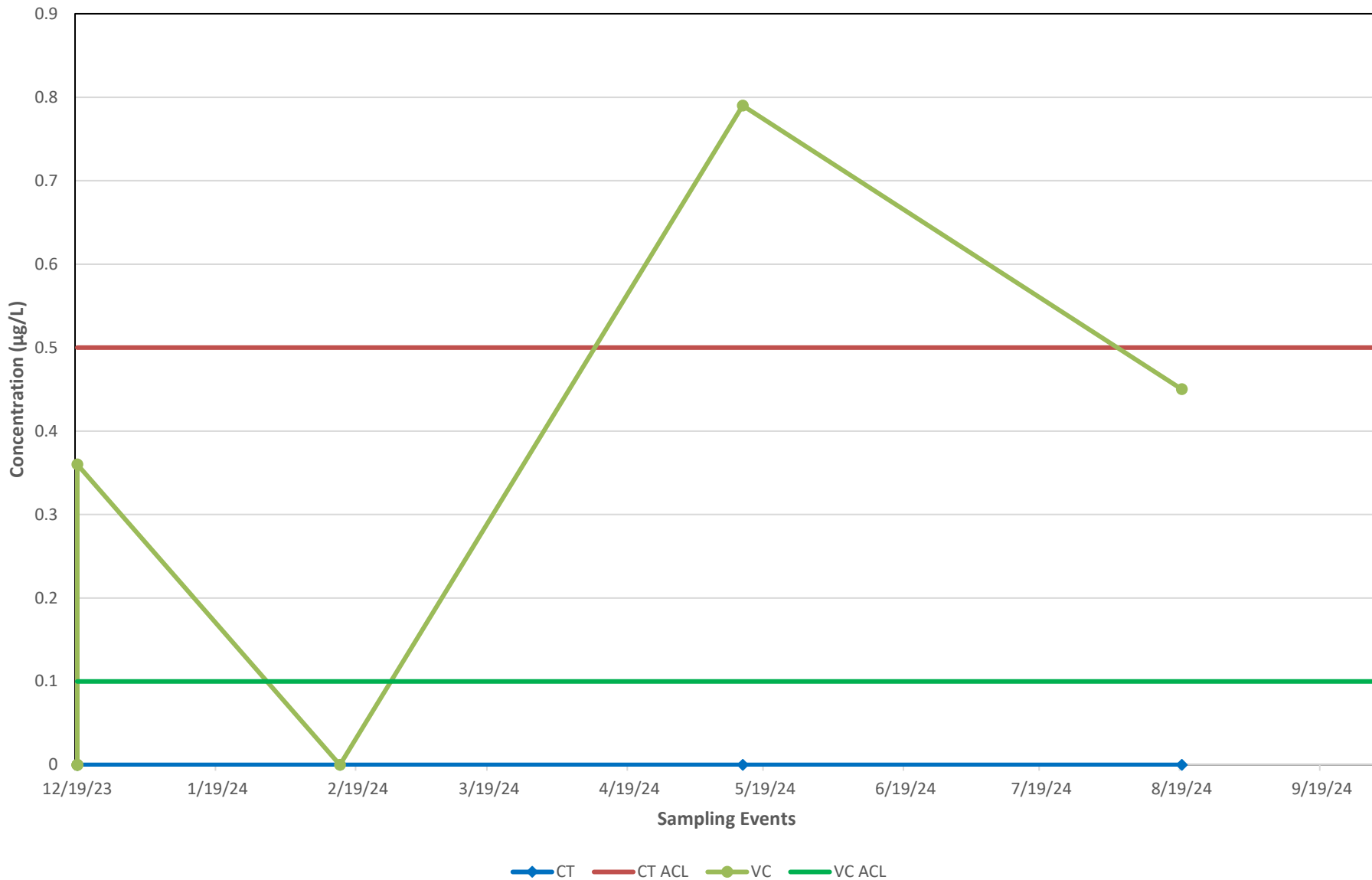


MW-BW-102-A
(Hydraulic Zone 2) [north of EISB Deployment Area 3A]

Operable Unit Carbon Tetrachloride Plume Fourth Quarter 2023 through Third Quarter 2024
 Groundwater Monitoring Report, Former Fort Ord, California

Figure:

B49

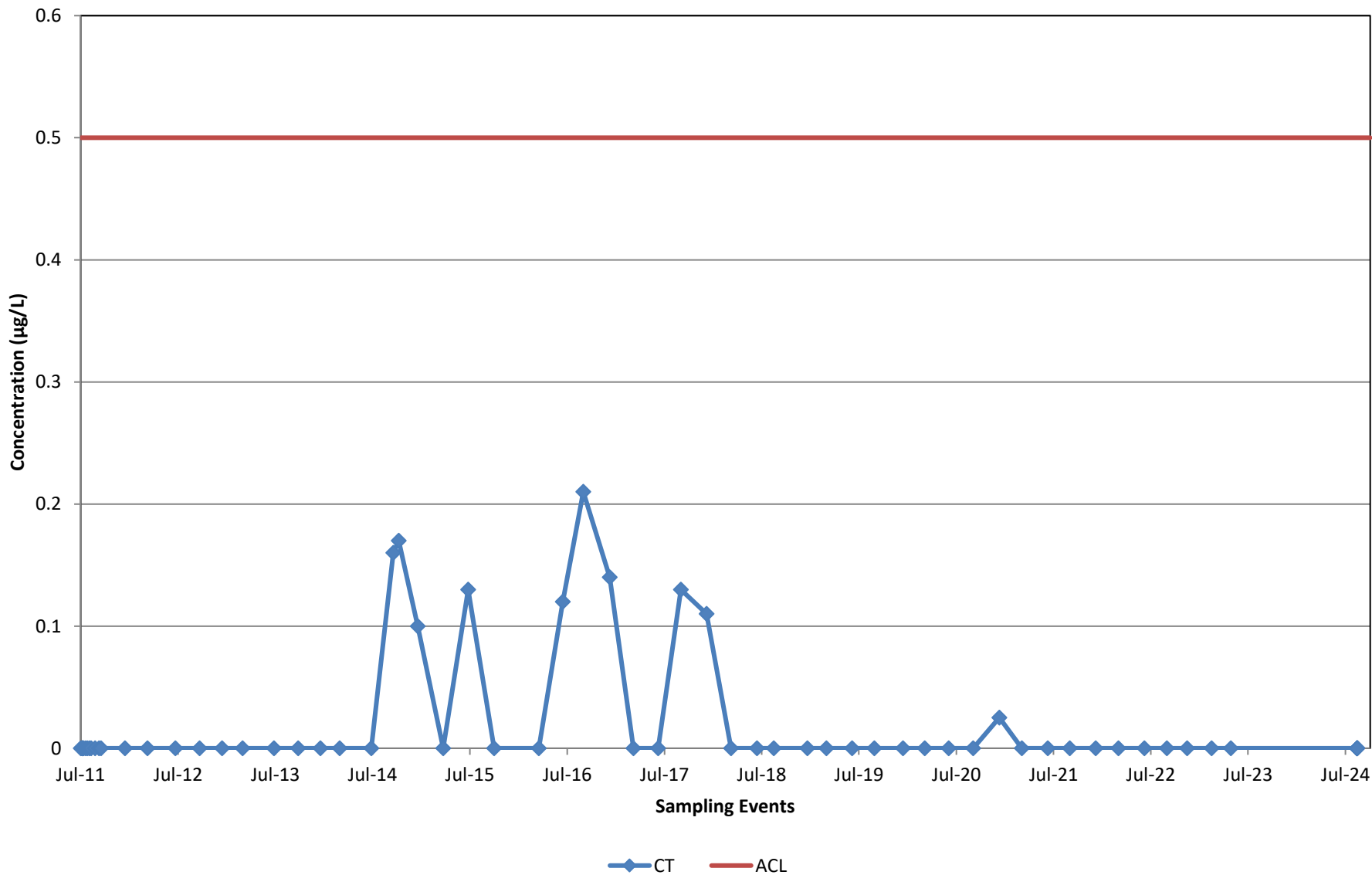


MW-BW-103-A
(Hydraulic Zone 2) [north of EISB Deployment Area 3A]

Operable Unit Carbon Tetrachloride Plume Fourth Quarter 2023 through Third Quarter 2024
 Groundwater Monitoring Report, Former Fort Ord, California

Figure:

B50

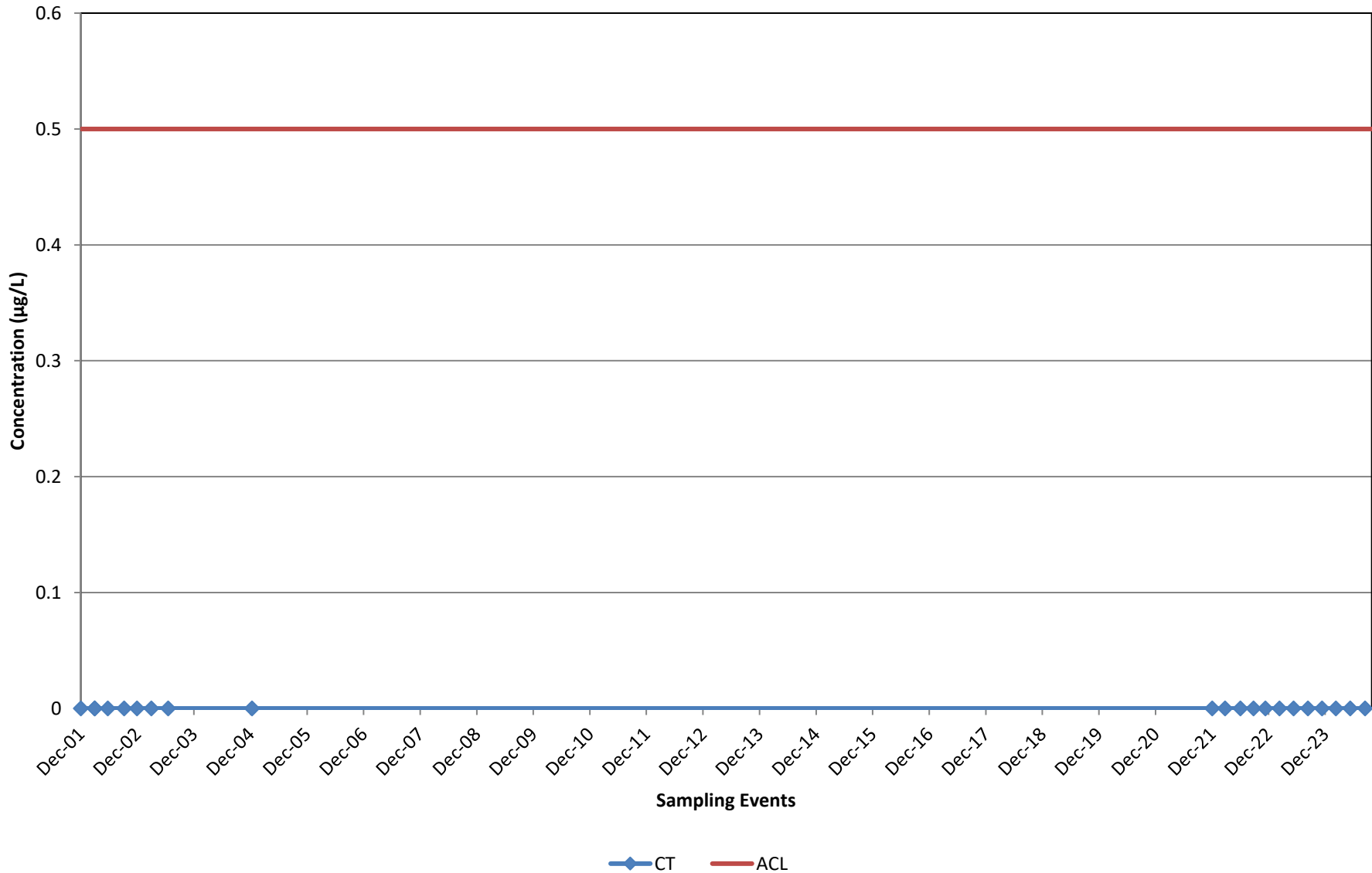


**EW-OU2-09-180
(Hydraulic Zone 6)**

Operable Unit Carbon Tetrachloride Plume Fourth Quarter 2023 through Third Quarter 2024
Groundwater Monitoring Report, Former Fort Ord, California

Figure:

B51

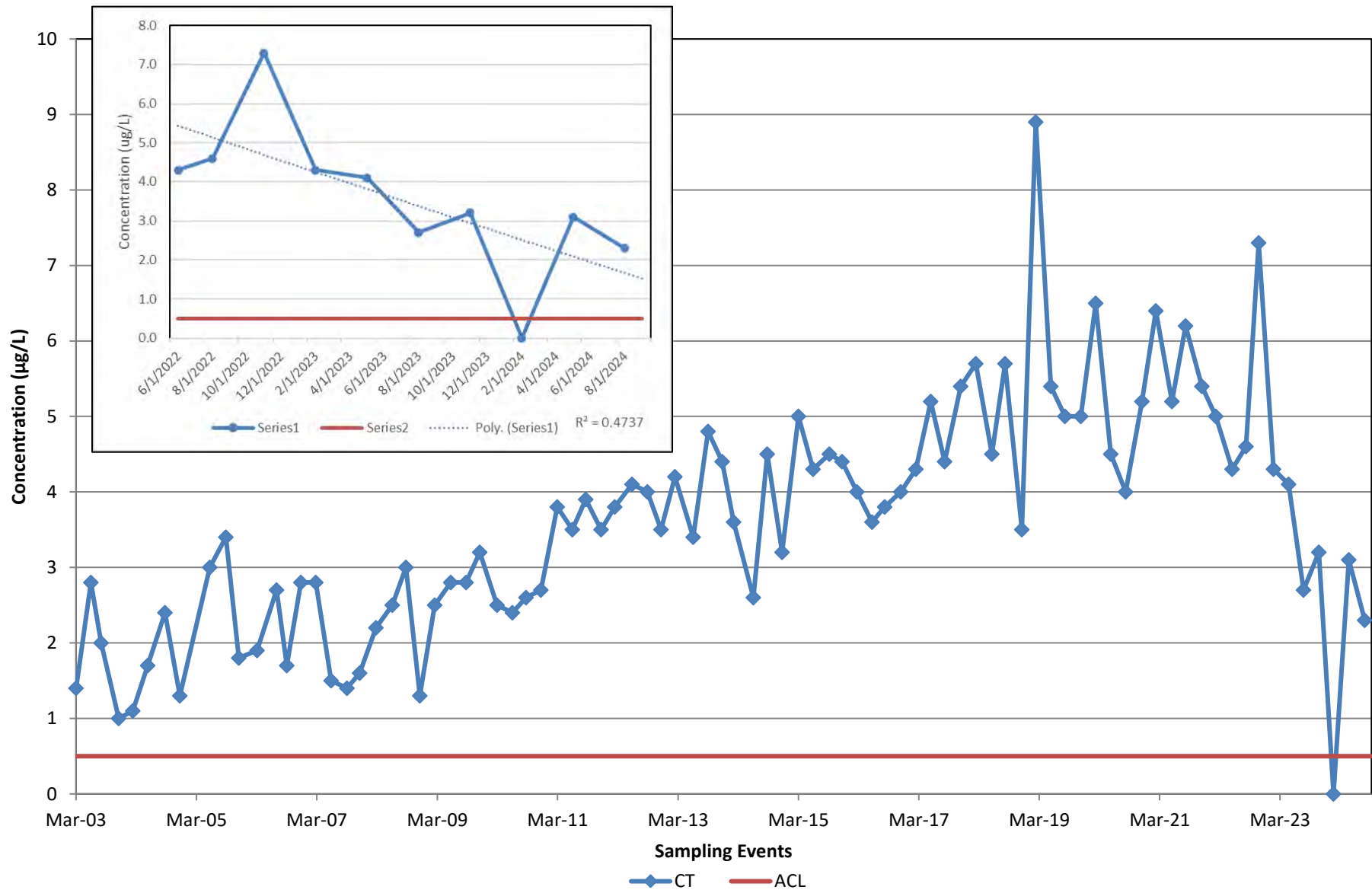


**MP-BW-33-272
(Hydraulic Zone 6)**

Operable Unit Carbon Tetrachloride Plume Fourth Quarter 2023 through Third Quarter 2024
Groundwater Monitoring Report, Former Fort Ord, California

Figure:

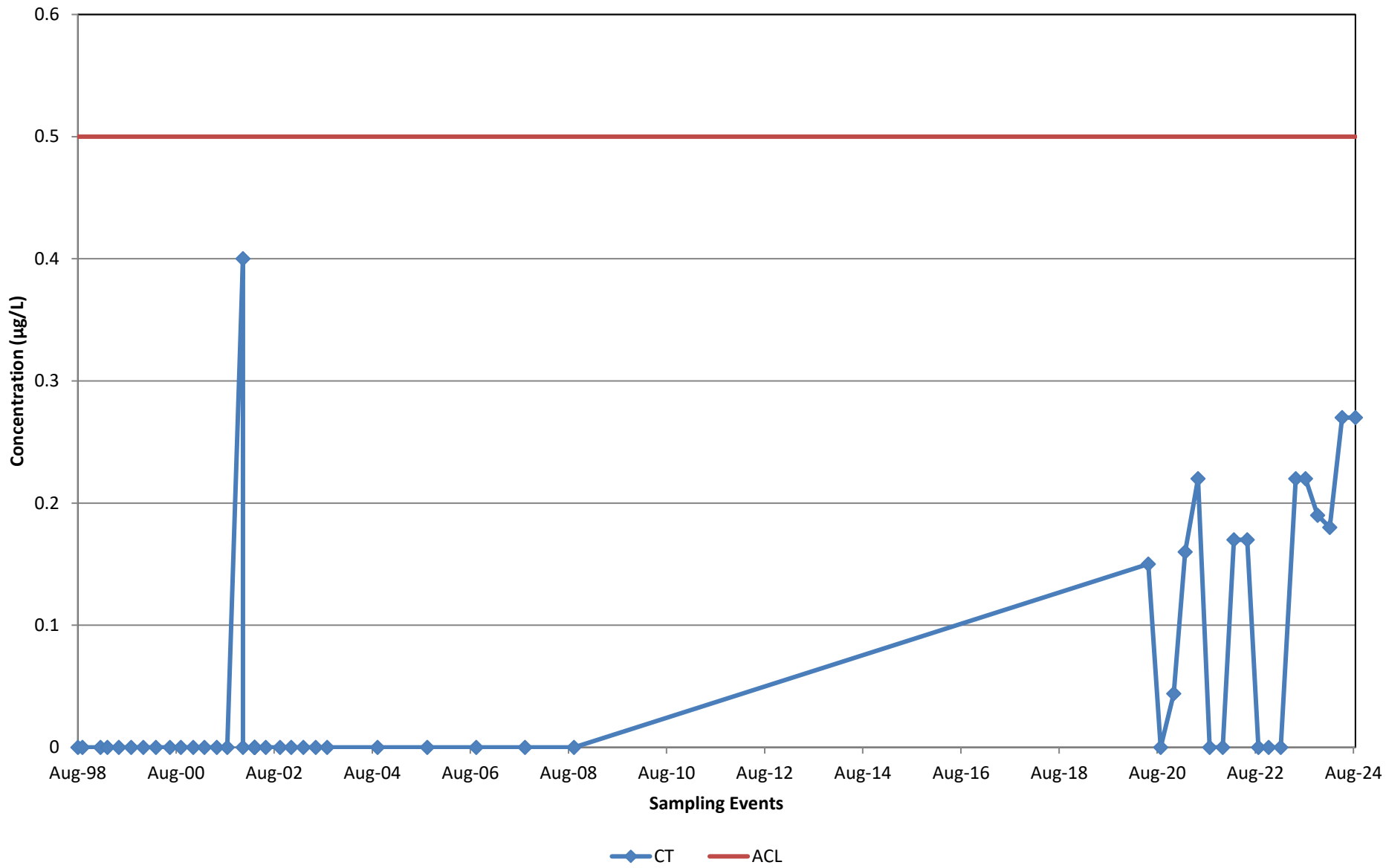
B52



**MP-BW-46-170
(Hydraulic Zone 6)**

Operable Unit Carbon Tetrachloride Plume Fourth Quarter 2023 through Third Quarter 2024
Groundwater Monitoring Report, Former Fort Ord, California

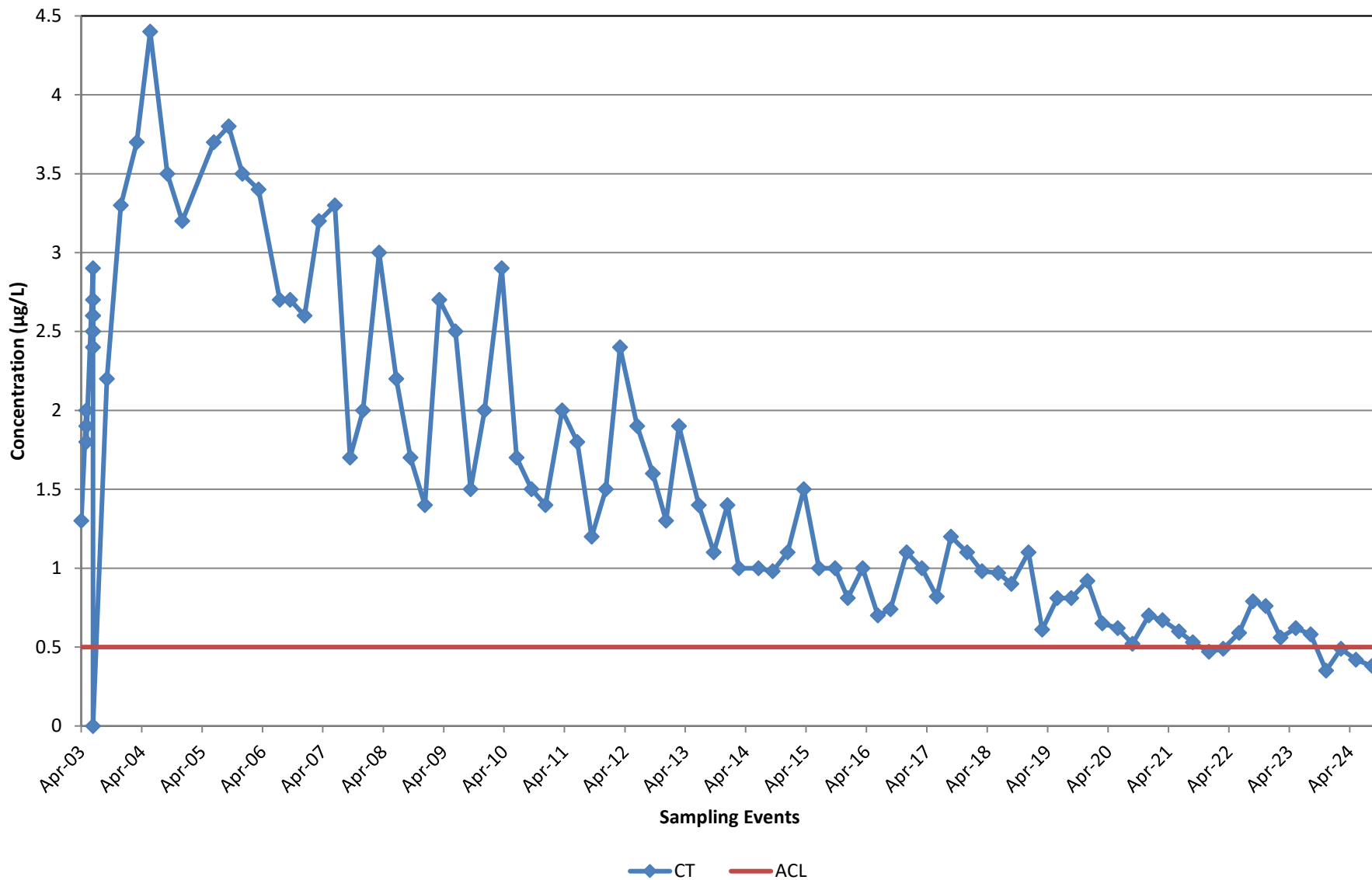
Figure:
B53



**MW-BW-21-180
(Hydraulic Zone 6)**

Operable Unit Carbon Tetrachloride Plume Fourth Quarter 2023 through Third Quarter 2024
Groundwater Monitoring Report, Former Fort Ord, California

Figure:
B54

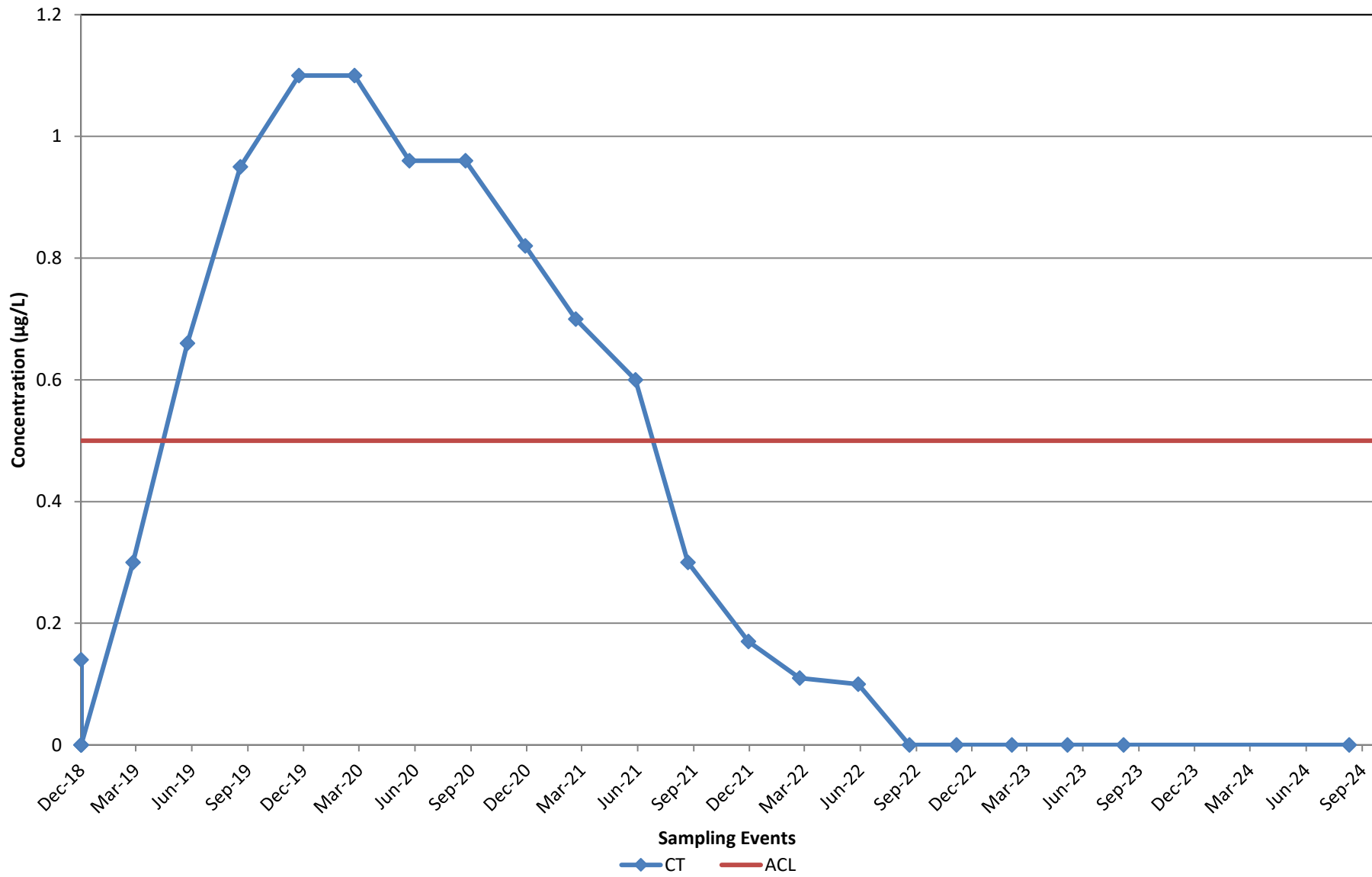


**MW-BW-52-180
(Hydraulic Zone 6)**

Operable Unit Carbon Tetrachloride Plume Fourth Quarter 2023 through Third Quarter 2024
Groundwater Monitoring Report, Former Fort Ord, California

Figure:

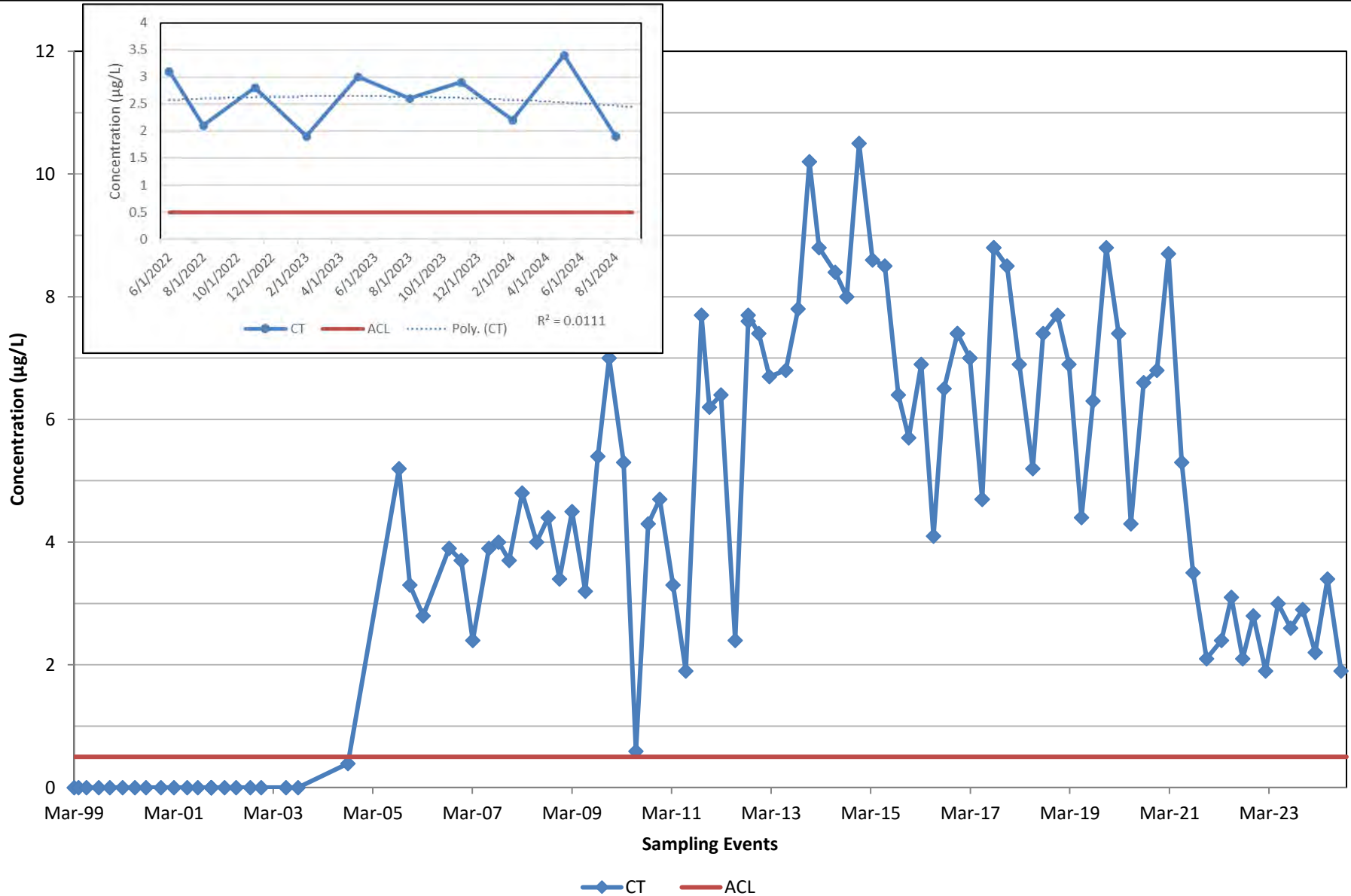
B55



**MW-BW-57-180
(Hydraulic Zone 6)**

Operable Unit Carbon Tetrachloride Plume Fourth Quarter 2023 through Third Quarter 2024
Groundwater Monitoring Report, Former Fort Ord, California

Figure:
B56

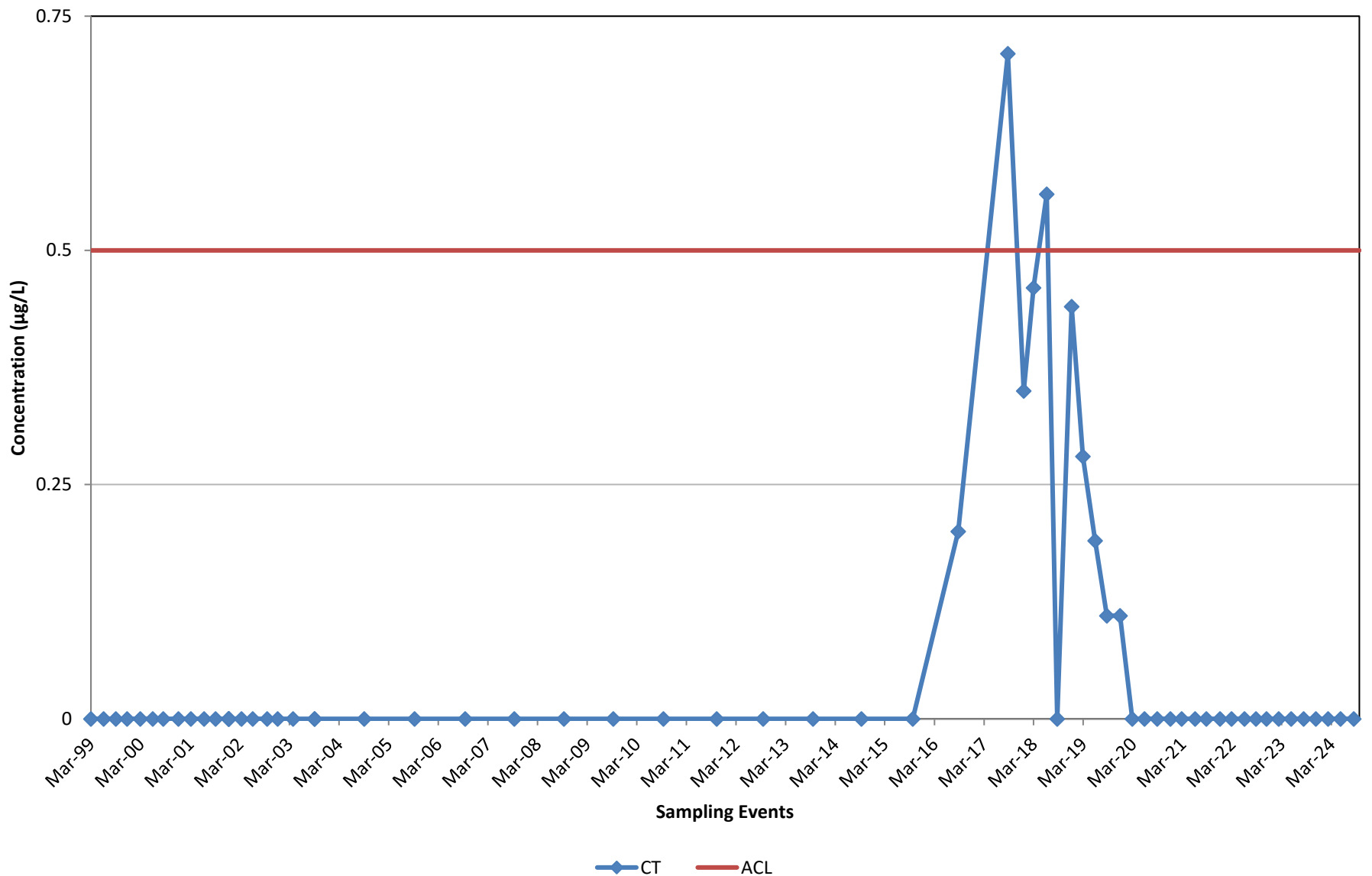


**MW-OU2-64-180
(Hydraulic Zone 6)**

Operable Unit Carbon Tetrachloride Plume Fourth Quarter 2023 through Third Quarter 2024
Groundwater Monitoring Report, Former Fort Ord, California

Figure:

B57

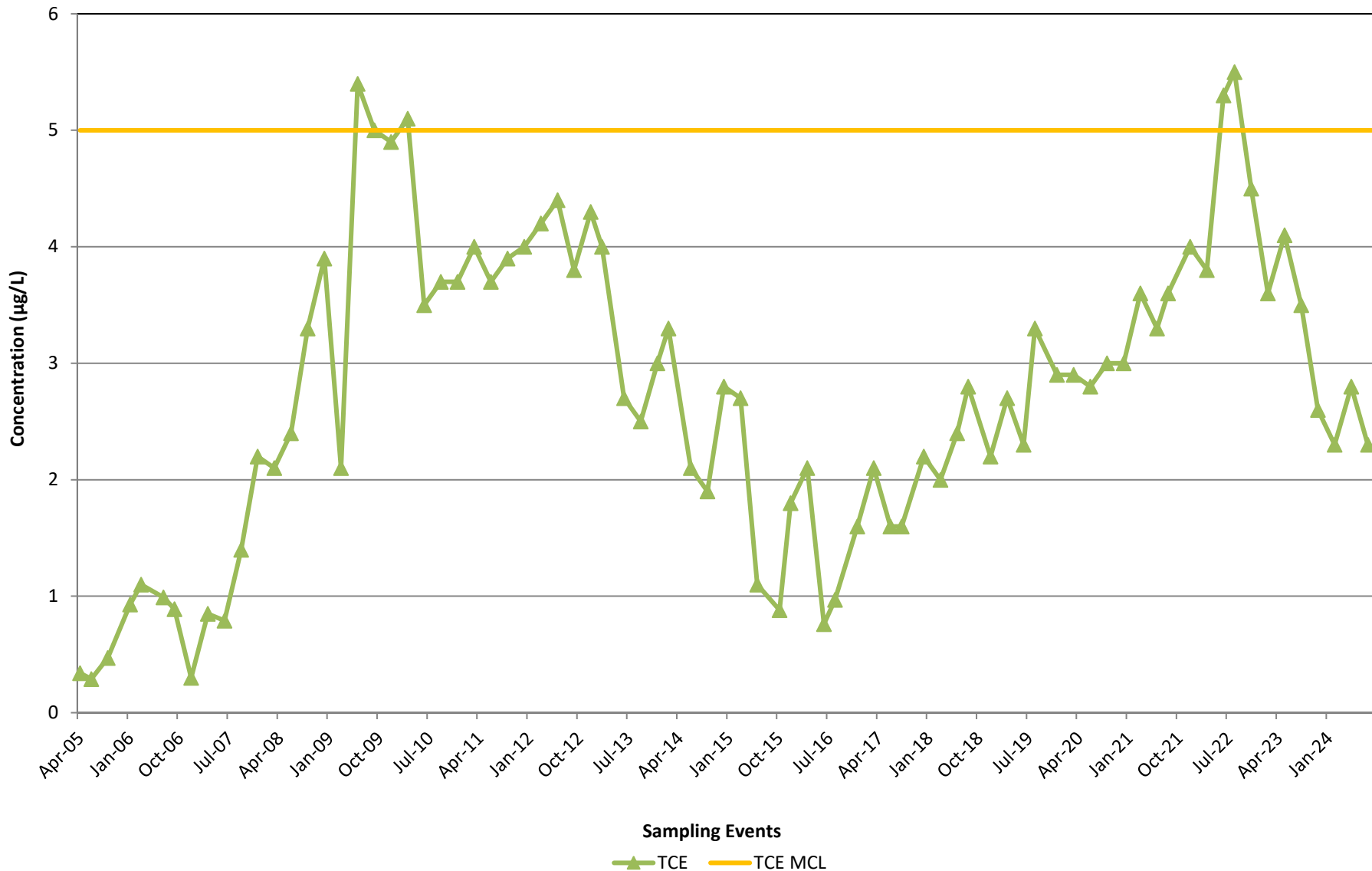


**MW-OU2-67-180
(Hydraulic Zone 6)**

Operable Unit Carbon Tetrachloride Plume Fourth Quarter 2023 through Third Quarter 2024
Groundwater Monitoring Report, Former Fort Ord, California

Figure:

B58

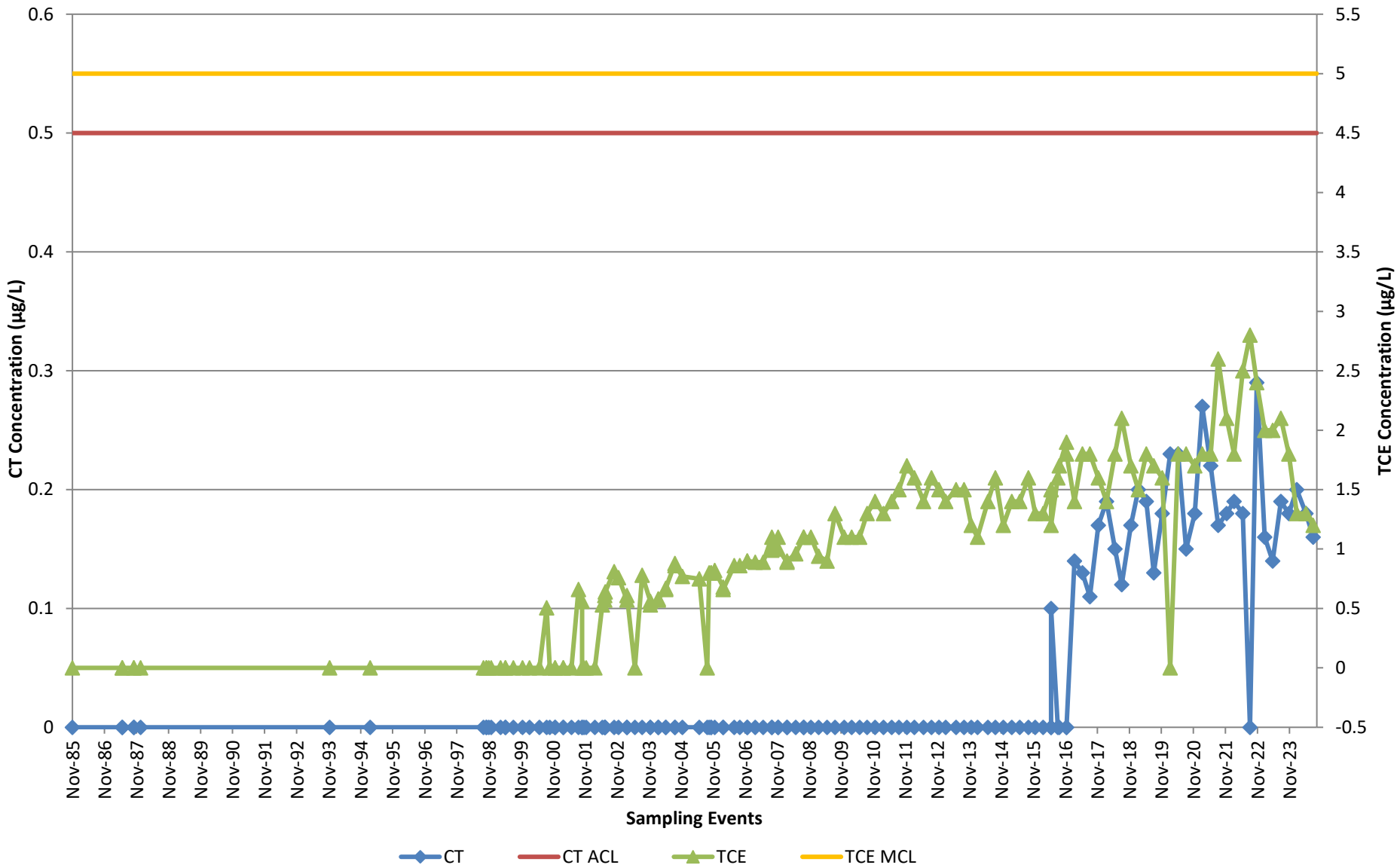


**EW-OU2-07-180
(southwest of Hydraulic Zone 7)**

Operable Unit Carbon Tetrachloride Plume Fourth Quarter 2023 through Third Quarter 2024
Groundwater Monitoring Report, Former Fort Ord, California

Figure:

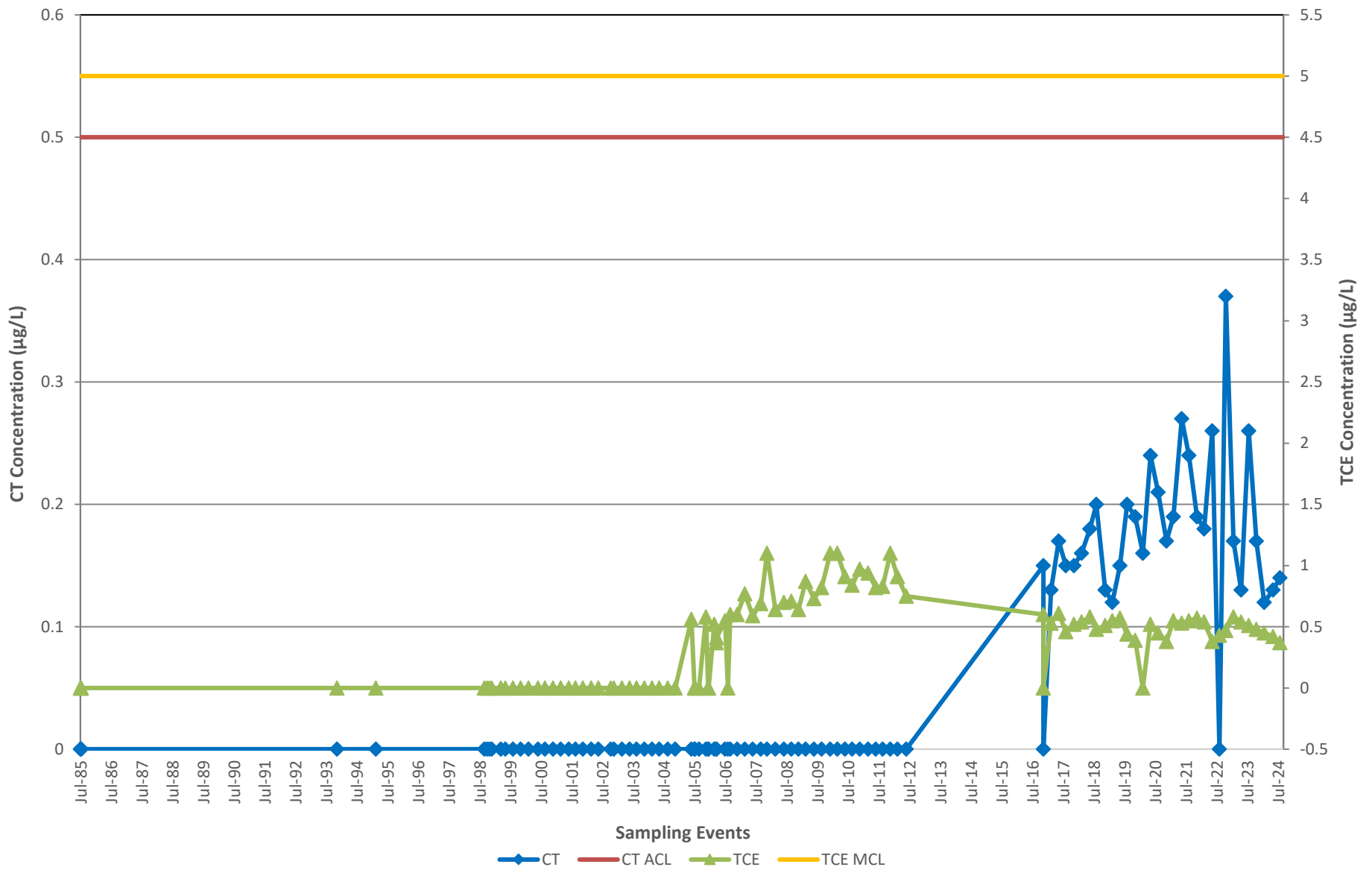
B59



FO-29
(southeast of Hydraulic Zone 7)

Operable Unit Carbon Tetrachloride Plume Fourth Quarter 2023 through Third Quarter 2024
 Groundwater Monitoring Report, Former Fort Ord, California

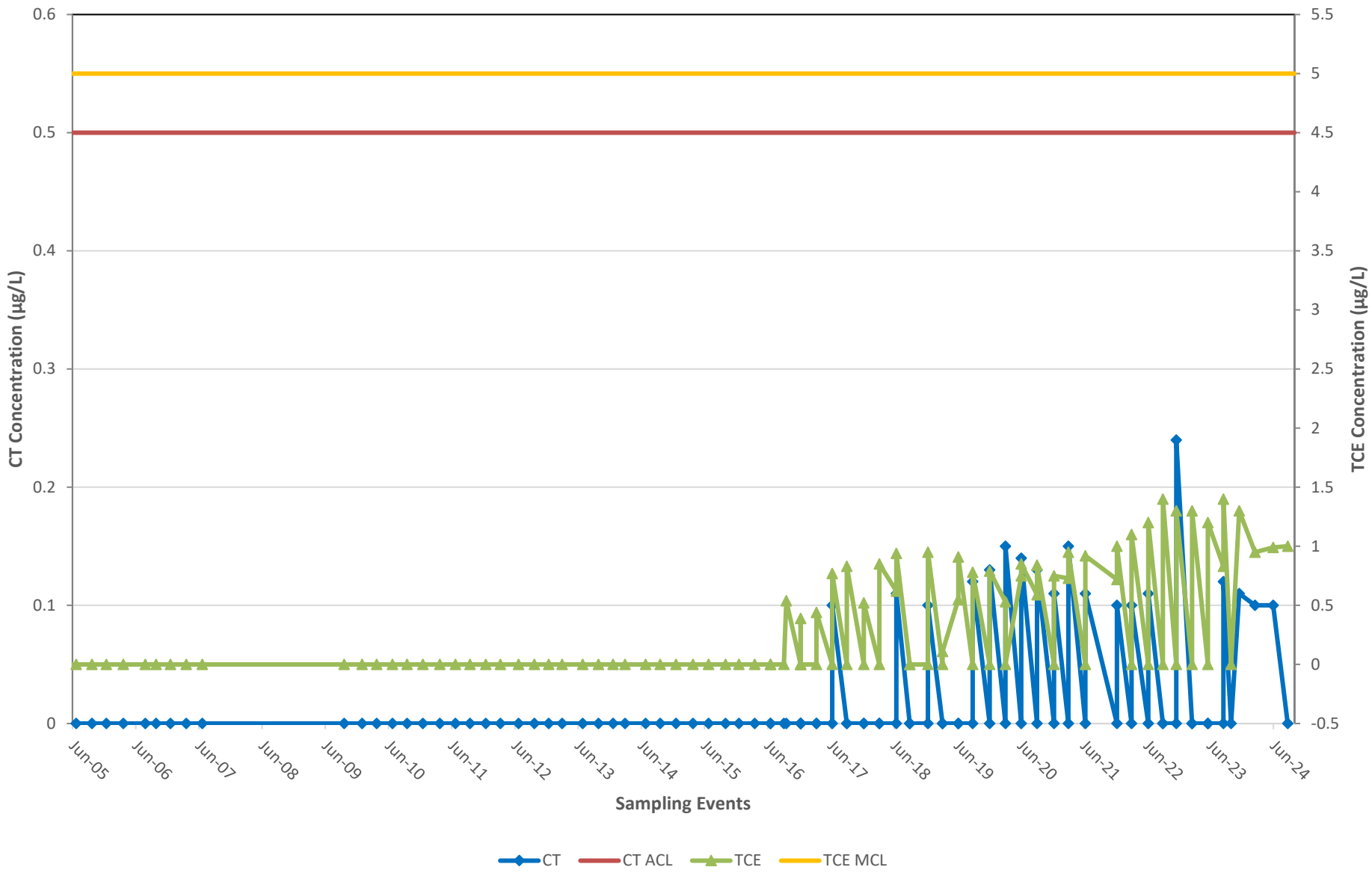
Figure:
B60



FO-30
(northeast of Hydraulic Zone 7)

Operable Unit Carbon Tetrachloride Plume Fourth Quarter 2023 through Third Quarter 2024
 Groundwater Monitoring Report, Former Fort Ord, California

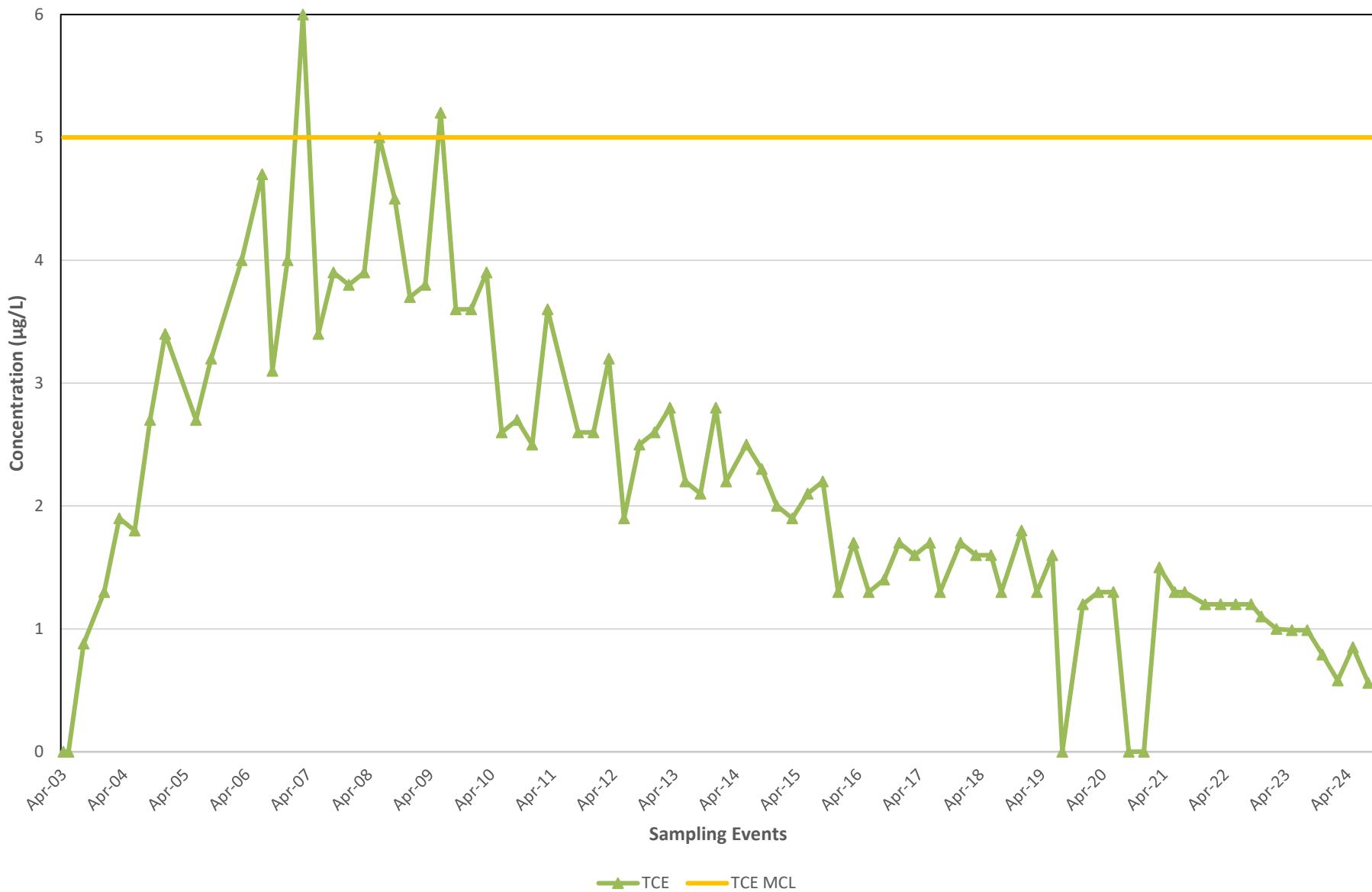
Figure:
B61



FO-31
(southeast of Hydraulic Zone 7)

Operable Unit Carbon Tetrachloride Plume Fourth Quarter 2023 through Third Quarter 2024
 Groundwater Monitoring Report, Former Fort Ord, California

Figure:
B62

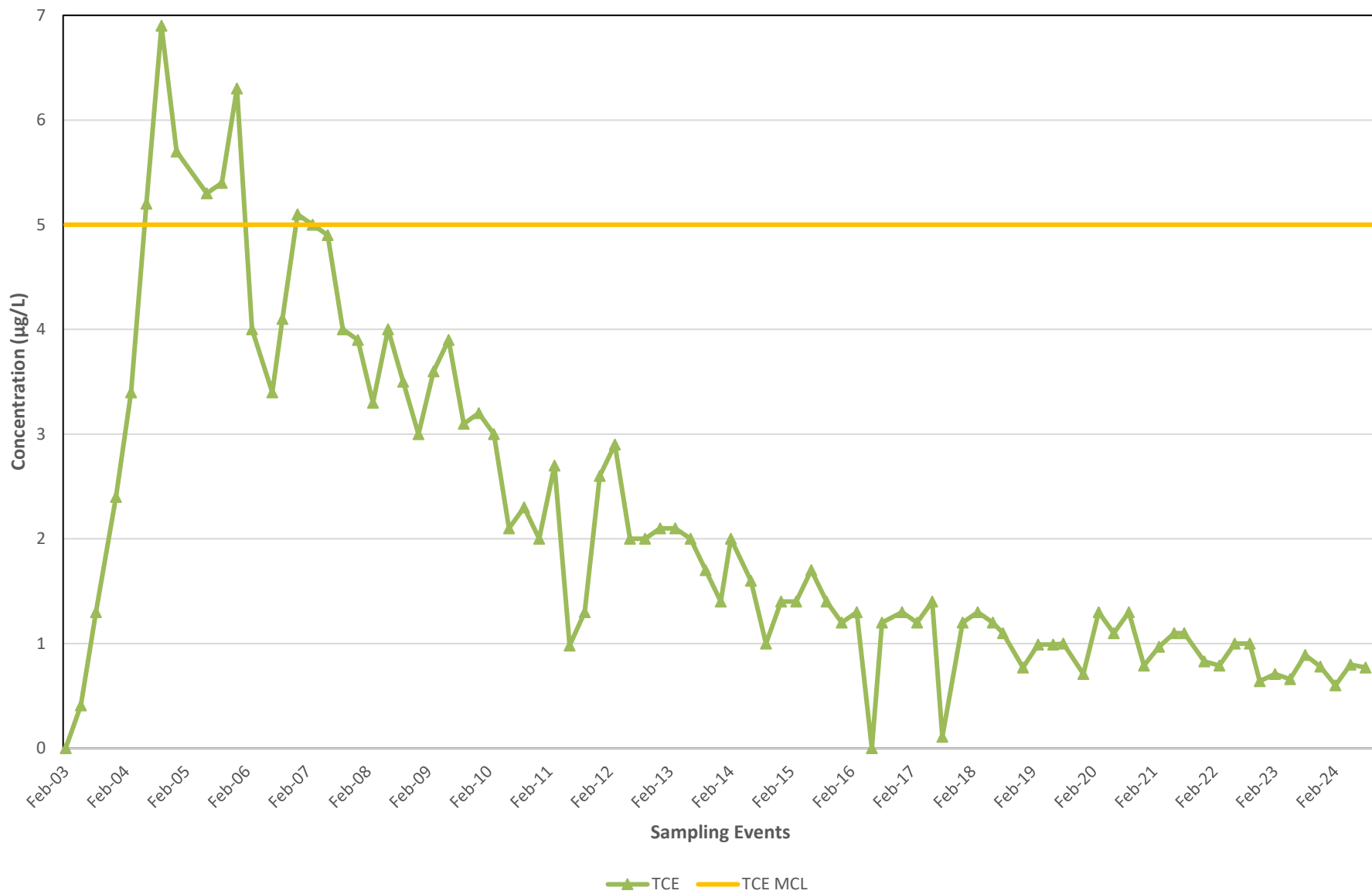


MP-BW-41-353
(west of Hydraulic Zone 7)

Operable Unit Carbon Tetrachloride Plume Fourth Quarter 2023 through Third Quarter 2024
 Groundwater Monitoring Report, Former Fort Ord, California

Figure:

B63

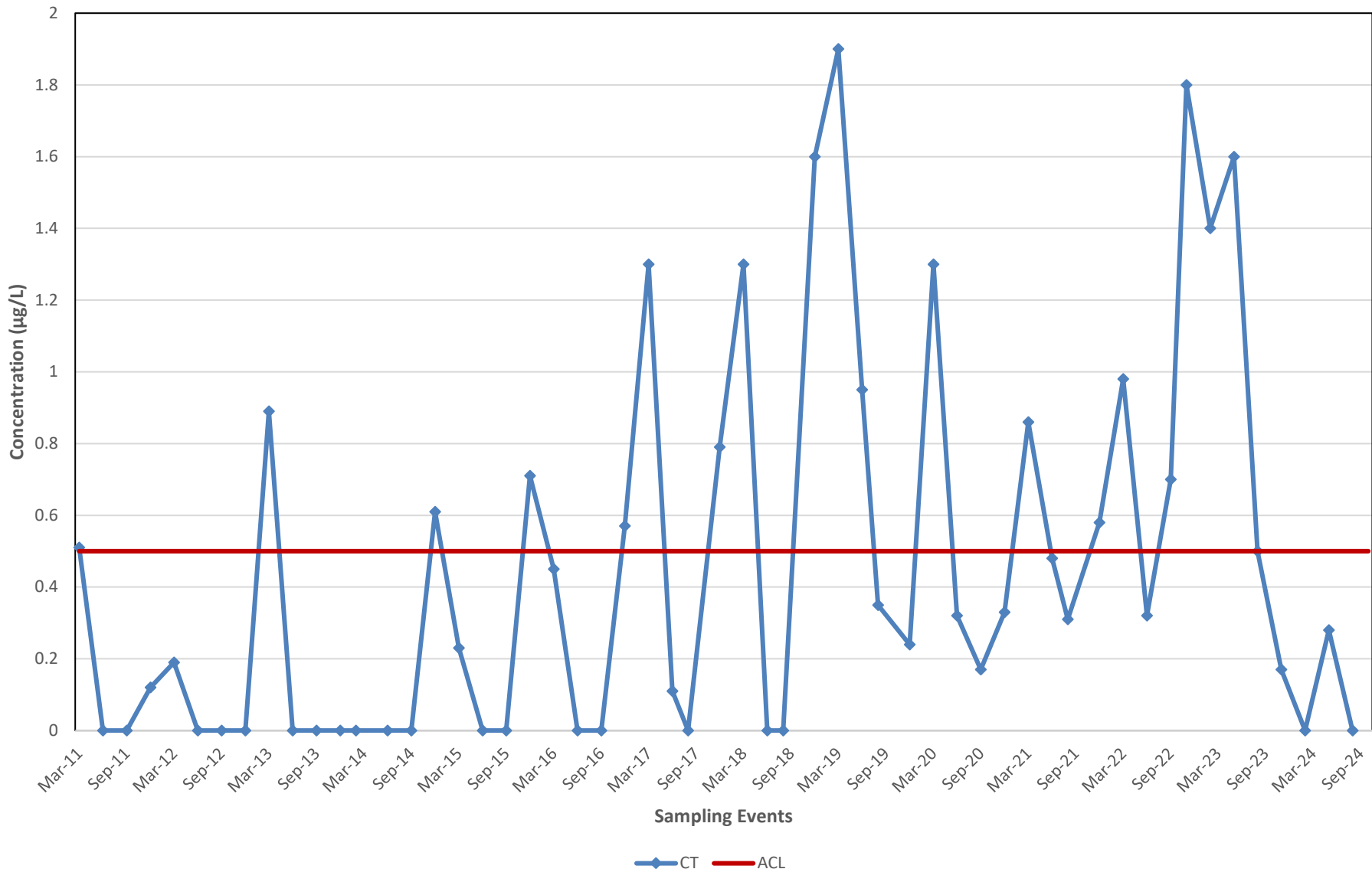


**MP-BW-42-345
(northwest of Hydraulic Zone 7)**

Operable Unit Carbon Tetrachloride Plume Fourth Quarter 2023 through Third Quarter 2024
Groundwater Monitoring Report, Former Fort Ord, California

Figure:

B64

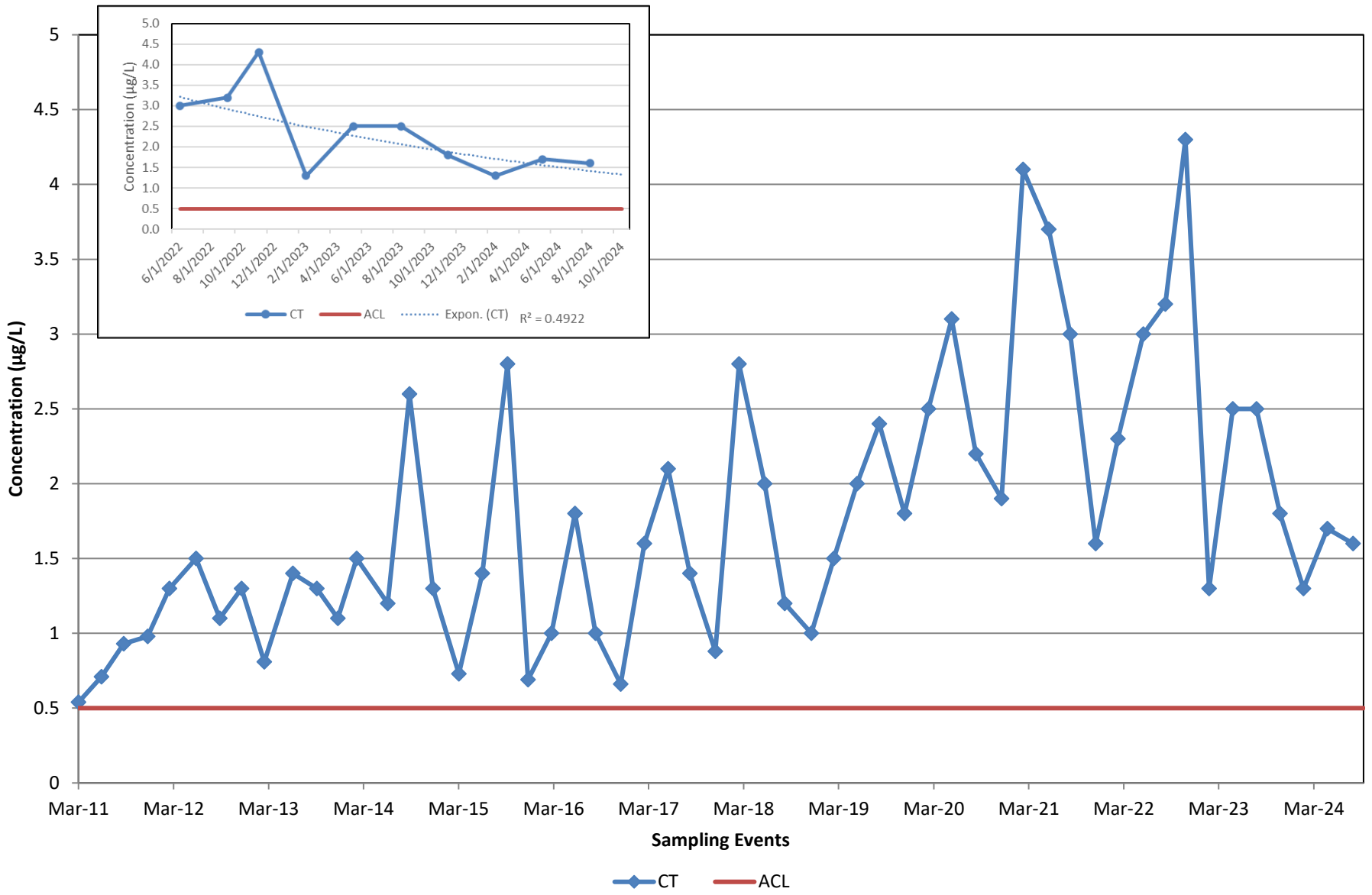


**MP-BW-49-287
(Hydraulic Zone 7)**

Operable Unit Carbon Tetrachloride Plume Fourth Quarter 2023 through Third Quarter 2024
Groundwater Monitoring Report, Former Fort Ord, California

Figure:

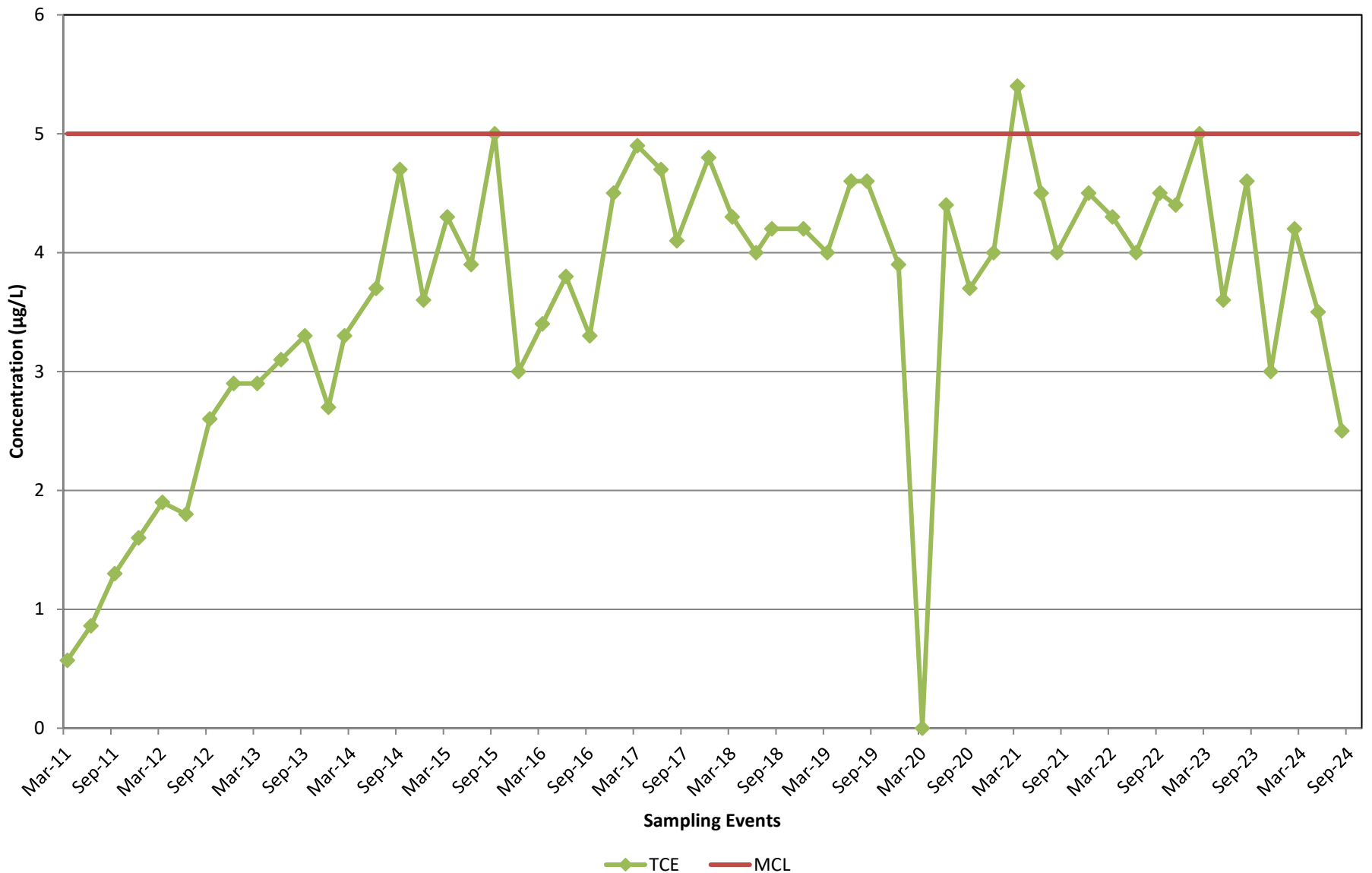
B65



**MP-BW-49-316
(Hydraulic Zone 7)**

Operable Unit Carbon Tetrachloride Plume Fourth Quarter 2023 through Third Quarter 2024
Groundwater Monitoring Report, Former Fort Ord, California

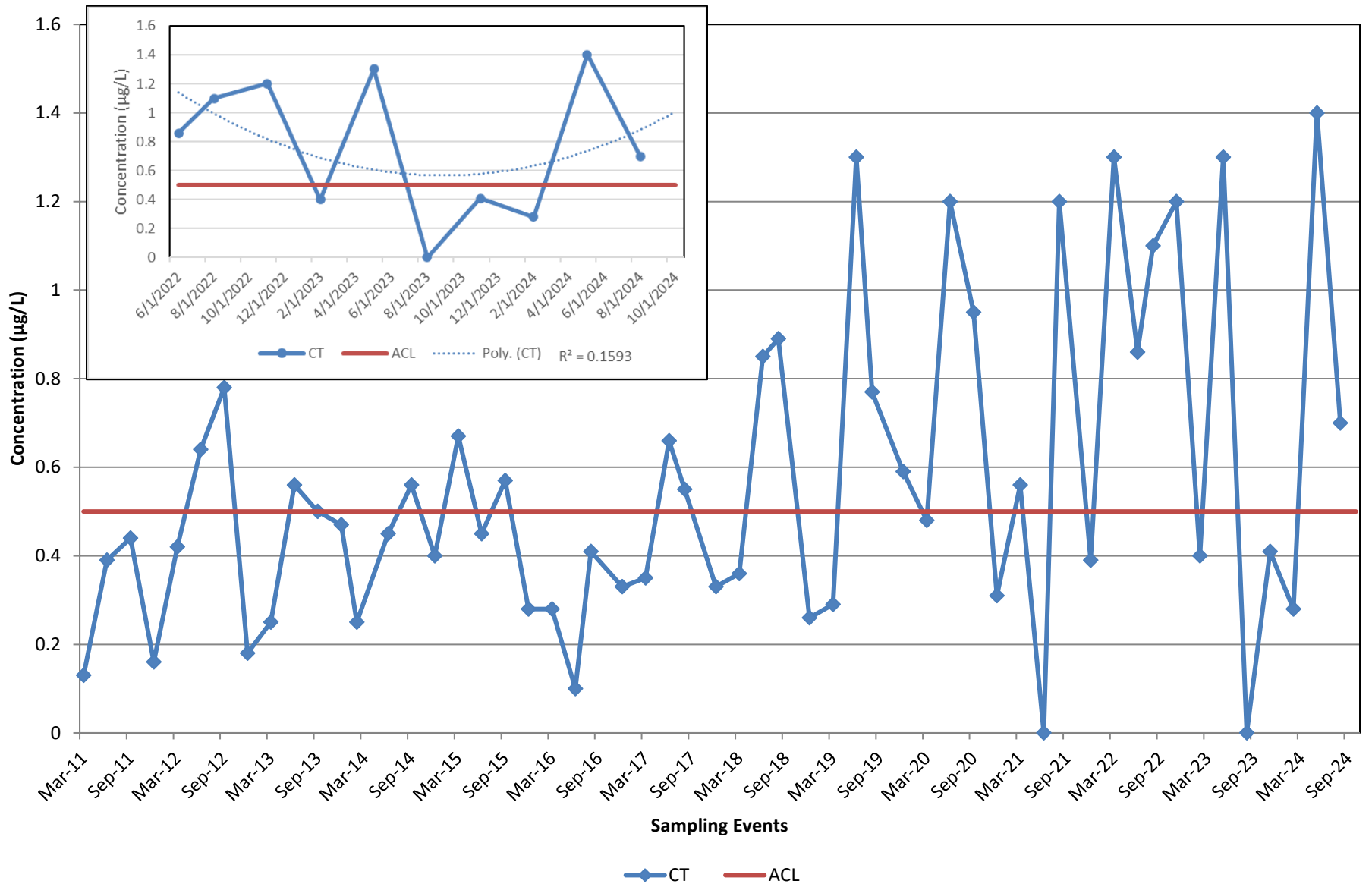
Figure:
B66



**MP-BW-49-400
(Hydraulic Zone 7)**

Operable Unit Carbon Tetrachloride Plume Fourth Quarter 2023 through Third Quarter 2024
Groundwater Monitoring Report, Former Fort Ord, California

Figure:
B67

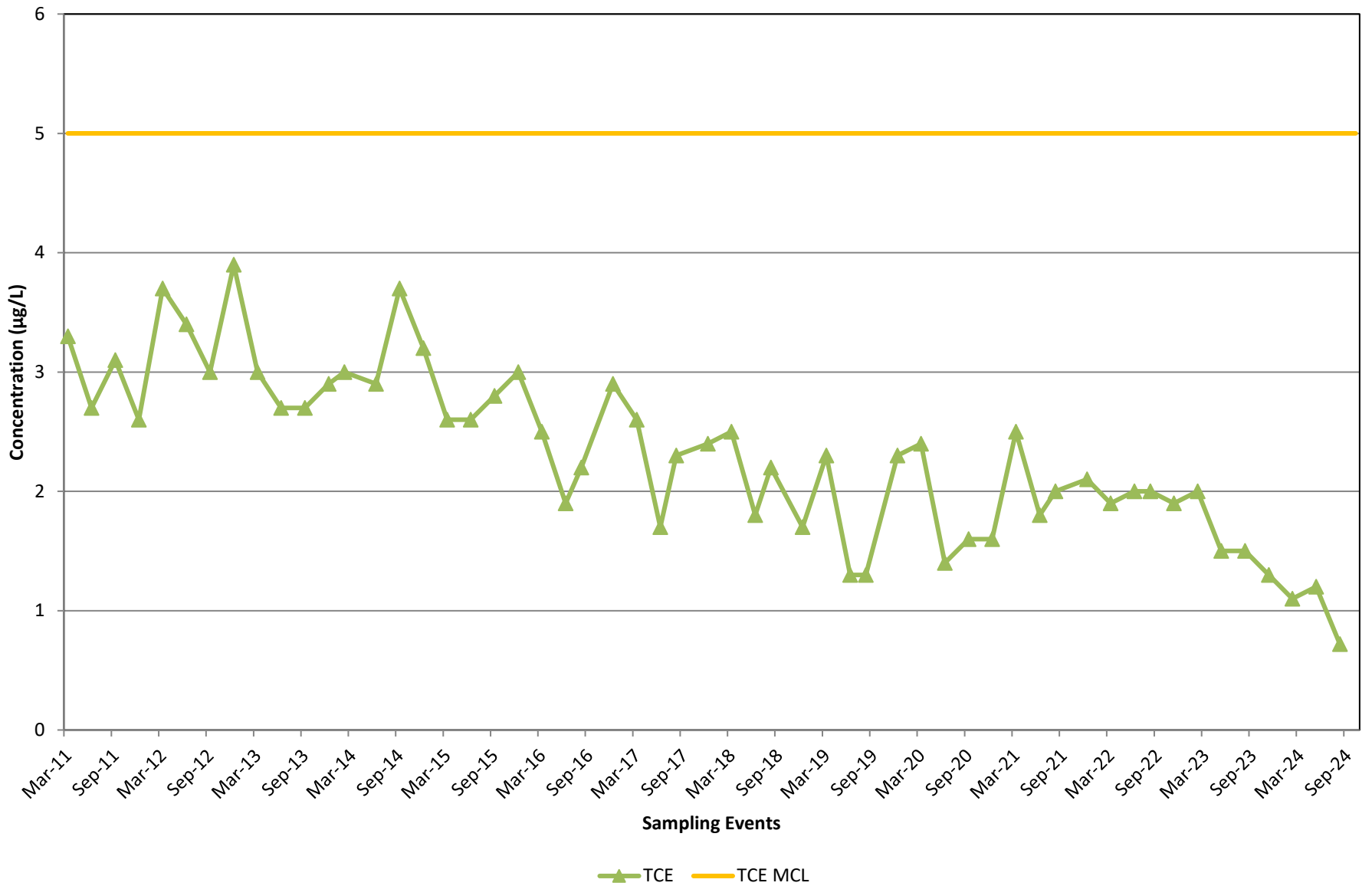


**MP-BW-50-339
(Hydraulic Zone 7)**

Operable Unit Carbon Tetrachloride Plume Fourth Quarter 2023 through Third Quarter 2024
Groundwater Monitoring Report, Former Fort Ord, California

Figure:

B68

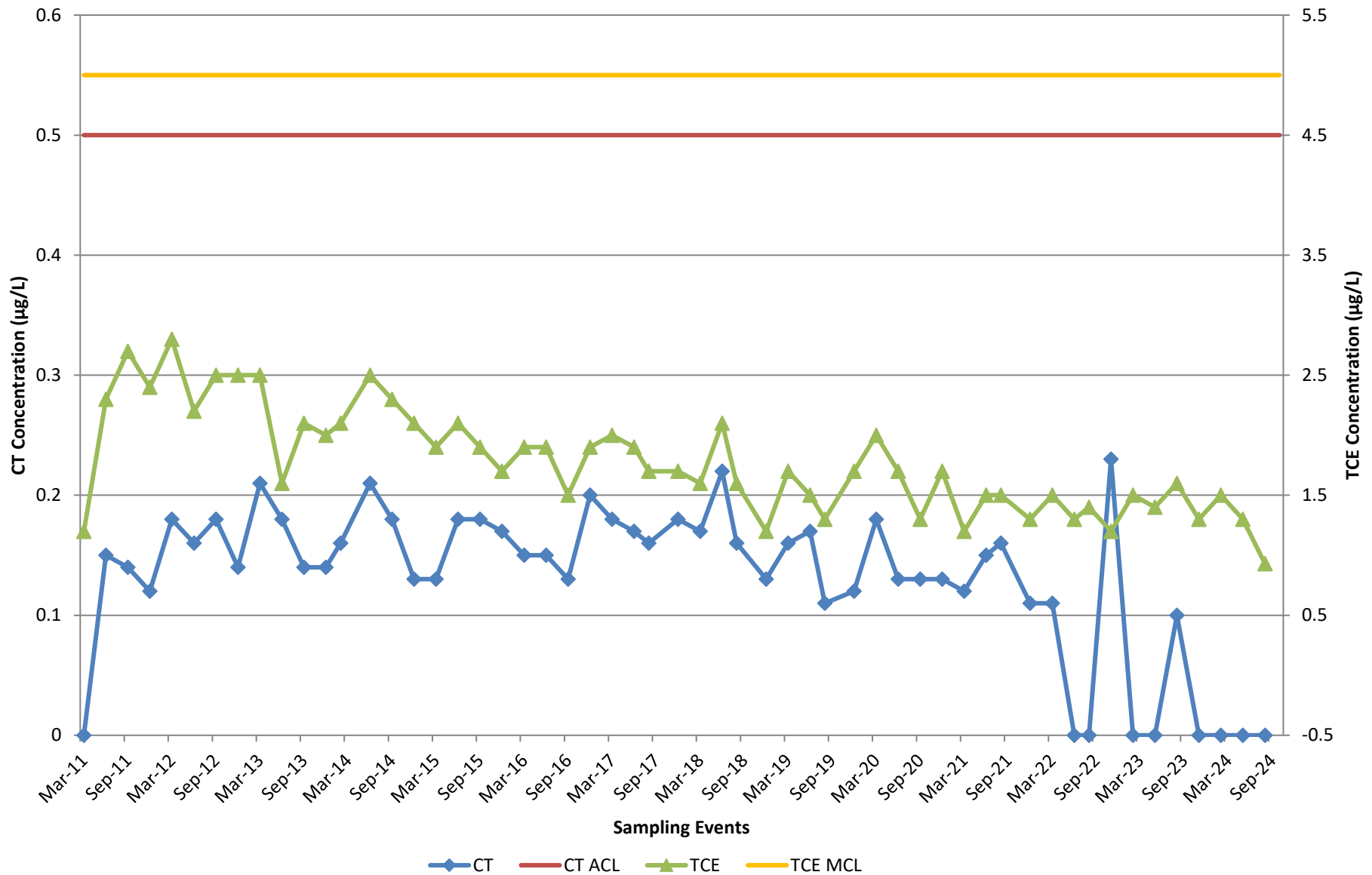


**MP-BW-50-384
(Hydraulic Zone 7)**

Operable Unit Carbon Tetrachloride Plume Fourth Quarter 2023 through Third Quarter 2024
Groundwater Monitoring Report, Former Fort Ord, California

Figure:

B69

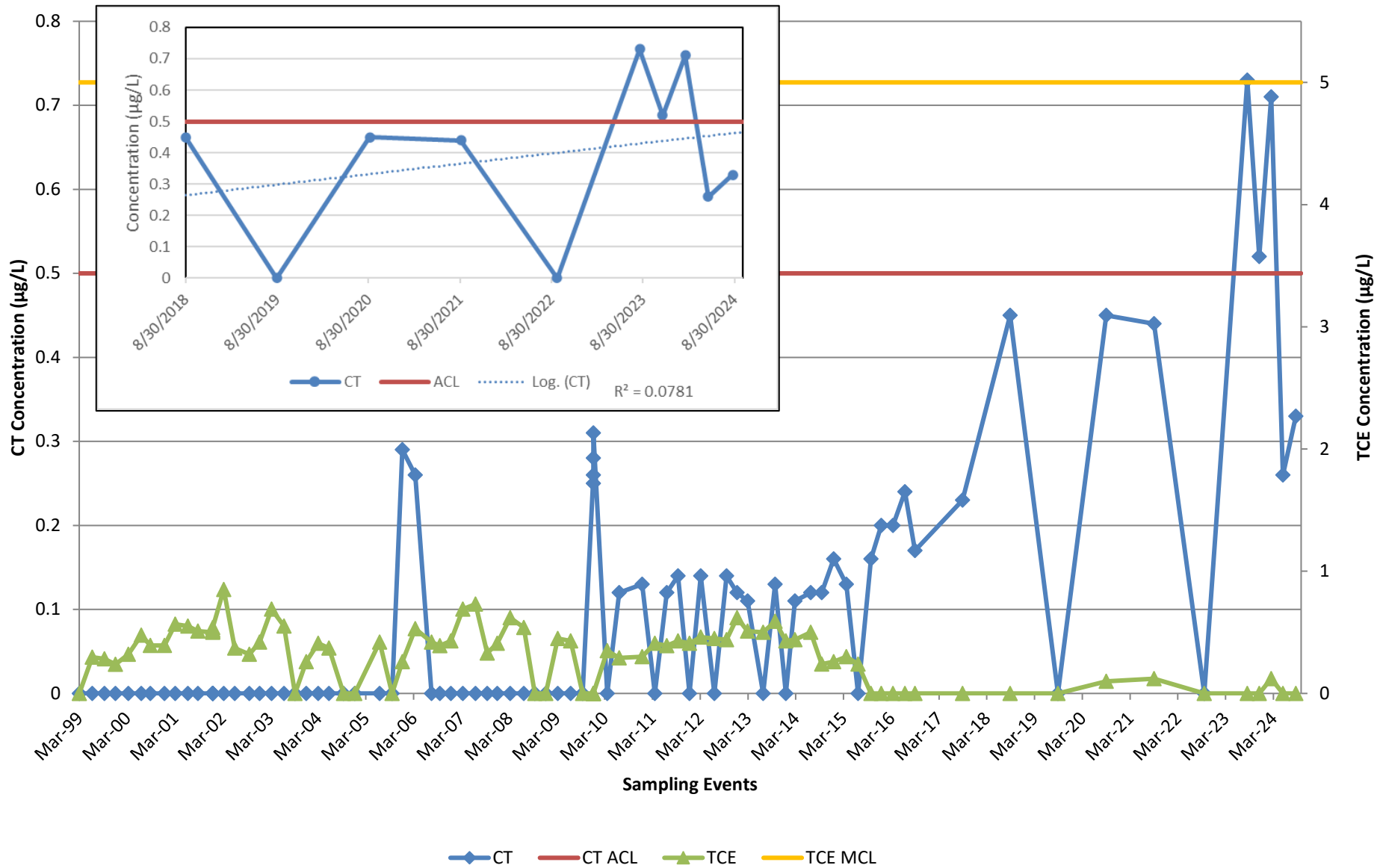


**MP-BW-51-405
(Hydraulic Zone 7)**

Operable Unit Carbon Tetrachloride Plume Fourth Quarter 2023 through Third Quarter 2024
Groundwater Monitoring Report, Former Fort Ord, California

Figure:

B70



**MW-BW-04-180
(northeast of Hydraulic Zone 7)**

Operable Unit Carbon Tetrachloride Plume Fourth Quarter 2023 through Third Quarter 2024
Groundwater Monitoring Report, Former Fort Ord, California

Figure:

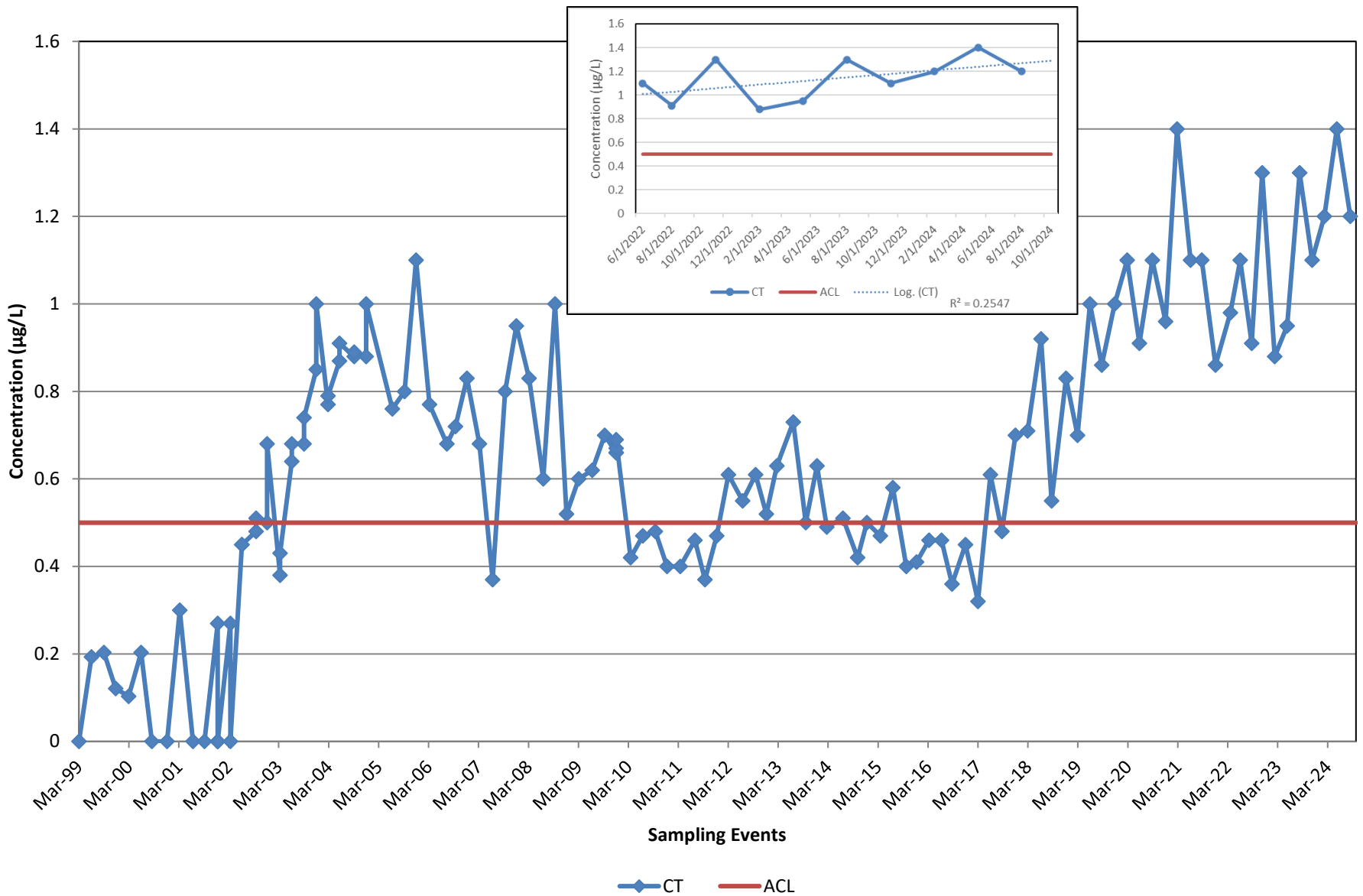
B71



MW-BW-59-180
(southwest of Hydraulic Zone 7)

Operable Unit Carbon Tetrachloride Plume Fourth Quarter 2023 through Third Quarter 2024
 Groundwater Monitoring Report, Former Fort Ord, California

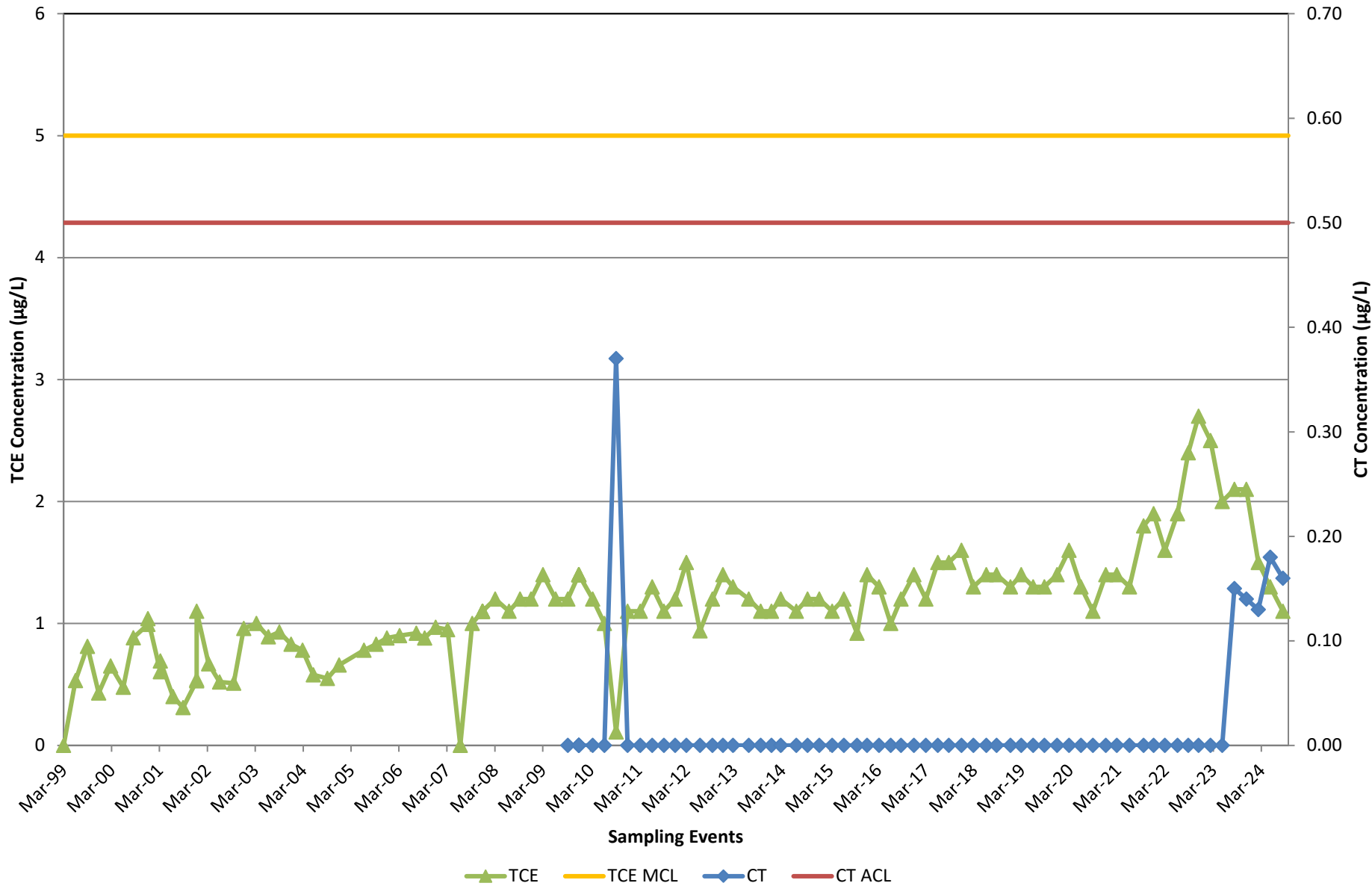
Figure:
B72



**MW-OU2-69-180
(Hydraulic Zone 7)**

Operable Unit Carbon Tetrachloride Plume Fourth Quarter 2023 through Third Quarter 2024
Groundwater Monitoring Report, Former Fort Ord, California

Figure:
B73

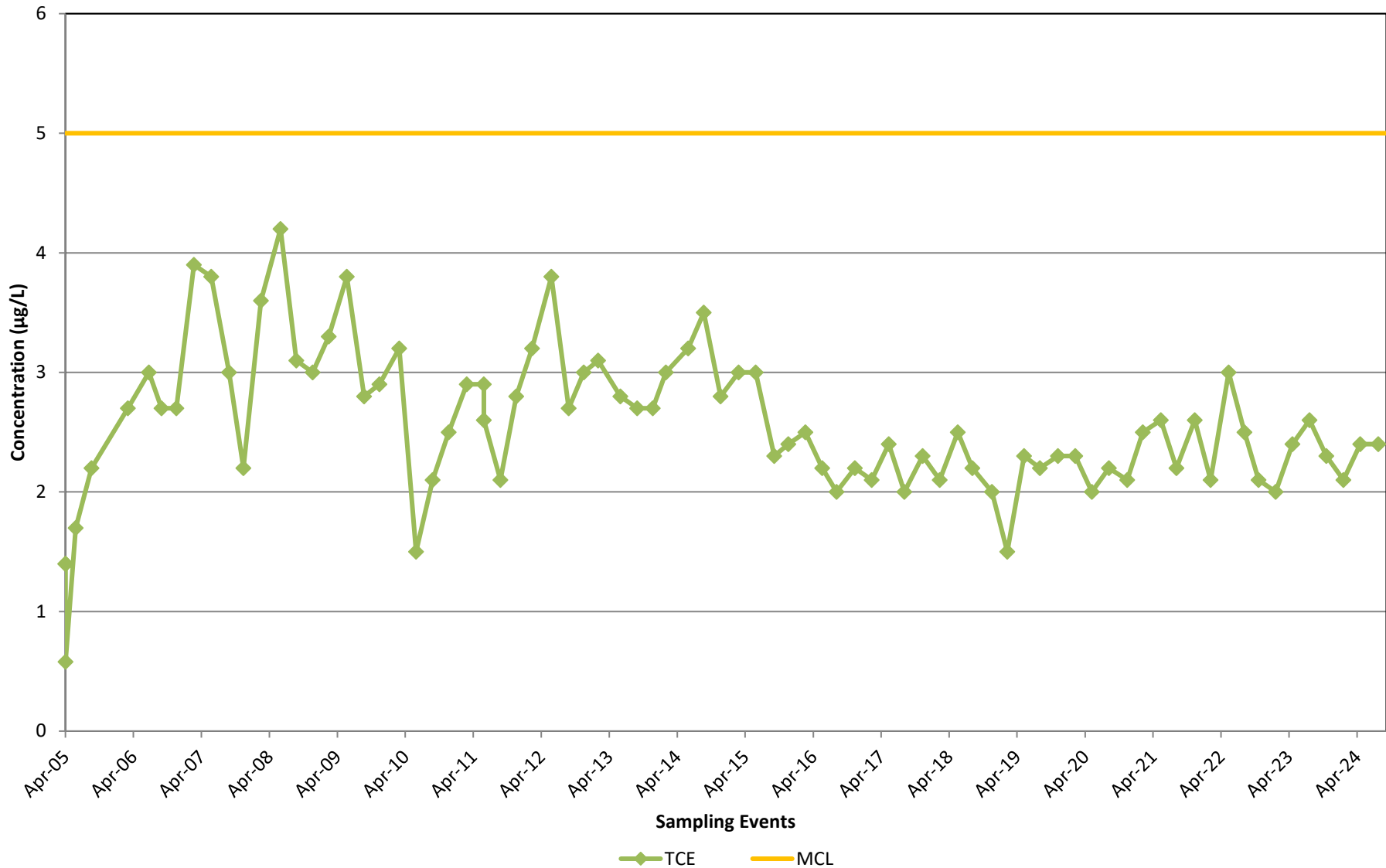


**MW-OU2-72-180
(south of Hydraulic Zone 7)**

Operable Unit Carbon Tetrachloride Plume Fourth Quarter 2023 through Third Quarter 2024
Groundwater Monitoring Report, Former Fort Ord, California

Figure:

B74

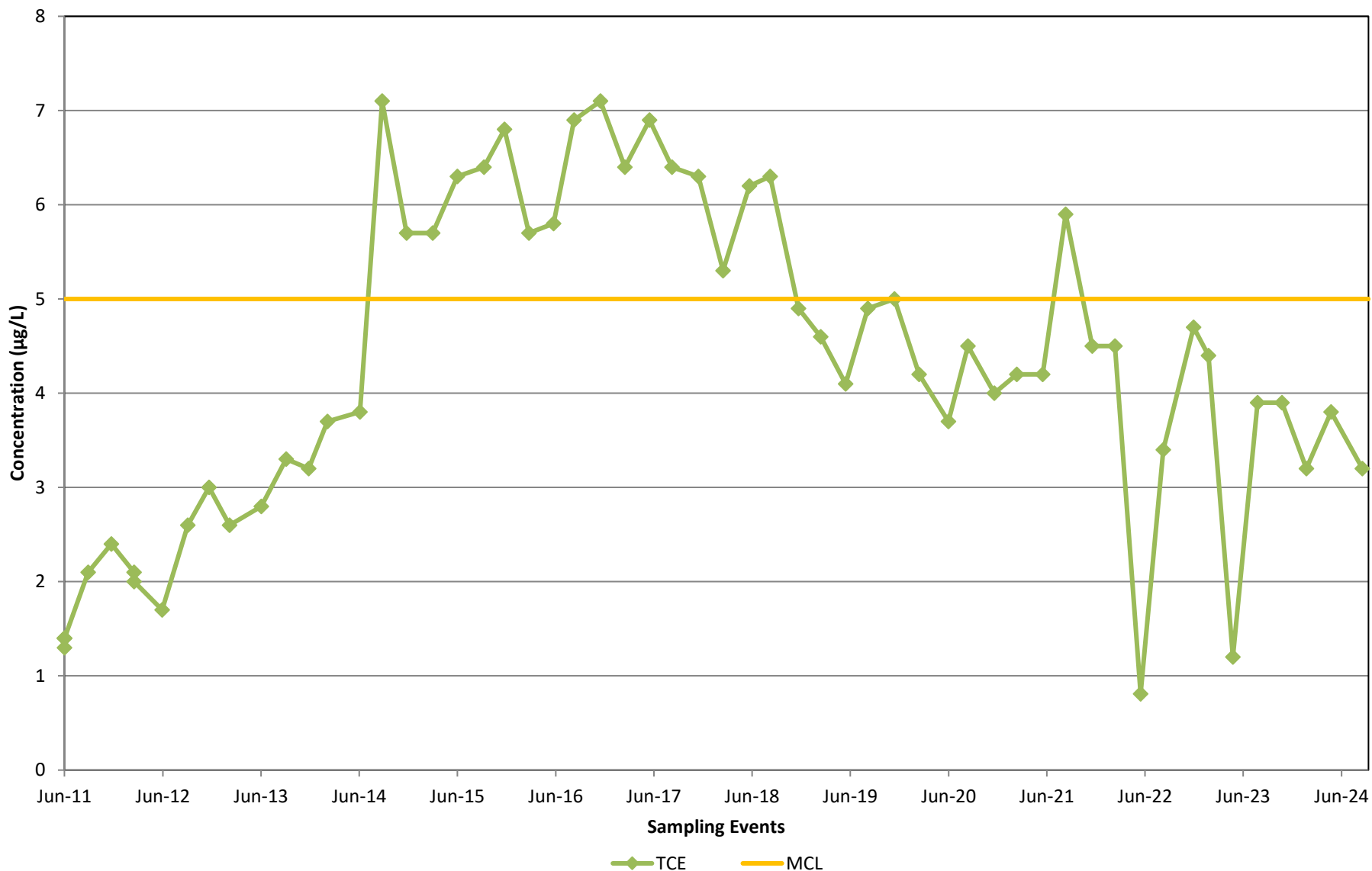


MW-OU2-78-180
(south of Hydraulic Zone 7)

Operable Unit Carbon Tetrachloride Plume Fourth Quarter 2023 through Third Quarter 2024
 Groundwater Monitoring Report, Former Fort Ord, California

Figure:

B75



MW-OU2-82-180
(south of Hydraulic Zone 7)

Operable Unit Carbon Tetrachloride Plume Fourth Quarter 2023 through Third Quarter 2024
 Groundwater Monitoring Report, Former Fort Ord, California

Figure:

B76

**Appendix C:
QAPP Sampling Frequency Recommended Changes and Monitoring
Well COC Trendline Graphs**

Table C1. QAPP Sampling Frequency Recommended Changes

Well ID	Current Schedule	Proposed Schedule	Trends Increasing?	Last time above CT ACL	Last time Sampled	Boundary Well for Plume	2024-3Q CT Concentration (µg/L)	Figure Number	Graph Number
A-Aquifer									
EW-BW-149-A	A	D	No	2012-2Q	2024-3Q	No	ND	35	C1
MW-BW-31-A	Q	A	No	2021-3Q	2024-3Q	Yes	ND	35	C2
Upper 180-Foot Aquifer									
MW-BW-43-180	Q	A	No	Never	2024-3Q	Yes	ND	36	C3
Lower 180-Foot Aquifer									
None									

Notes:

Results in gray are not detected concentrations (result reported as <limit of detection [LOD]).

Acronyms and Abbreviations:

µg/L: micrograms per liter

A: annual sampling

ACL: aquifer cleanup level

CT: carbon tetrachloride

D: depth-to-water only

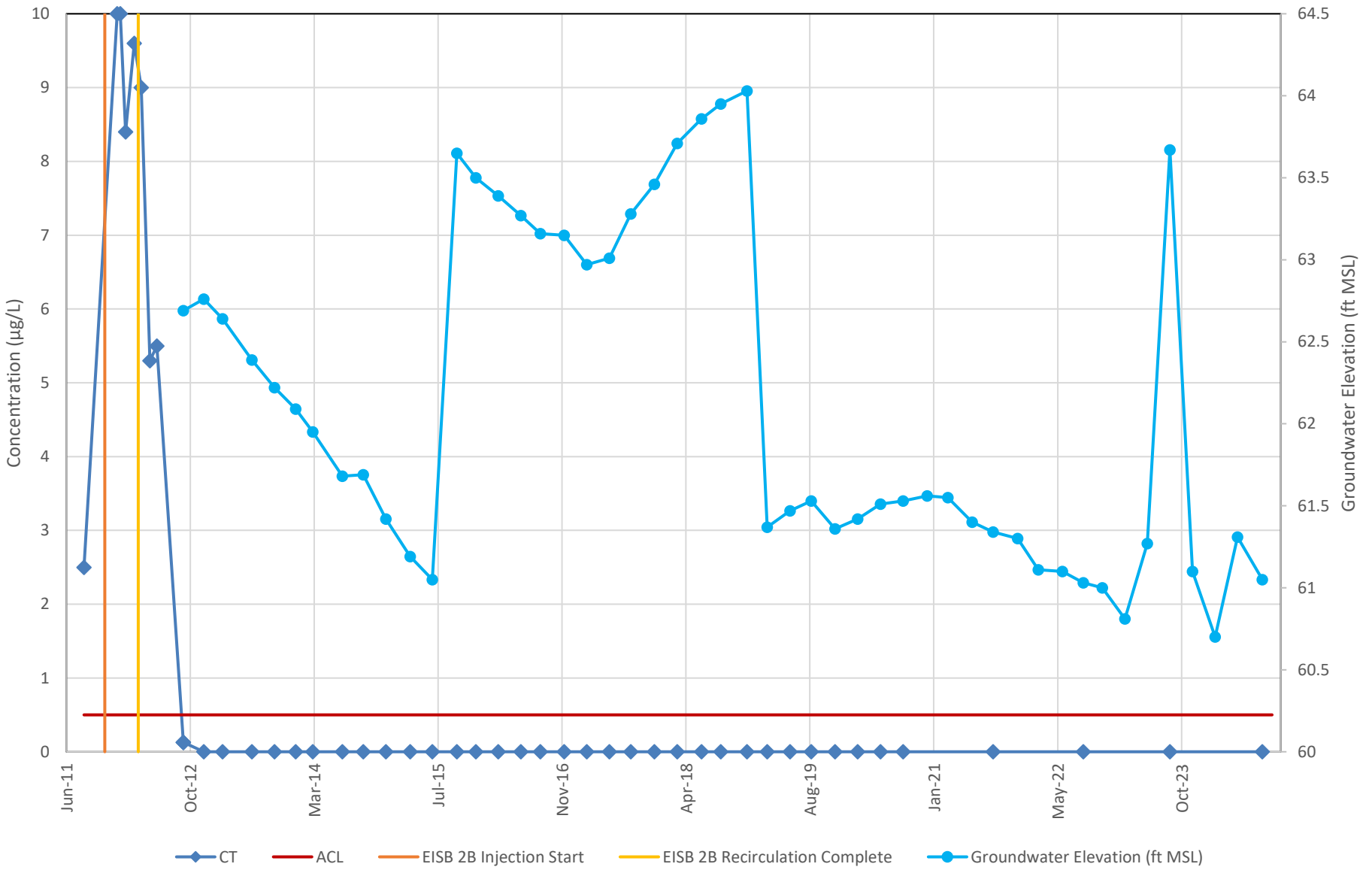
N/A: not applicable

ND: not detected above the LOD

Nearby: other adjacent well

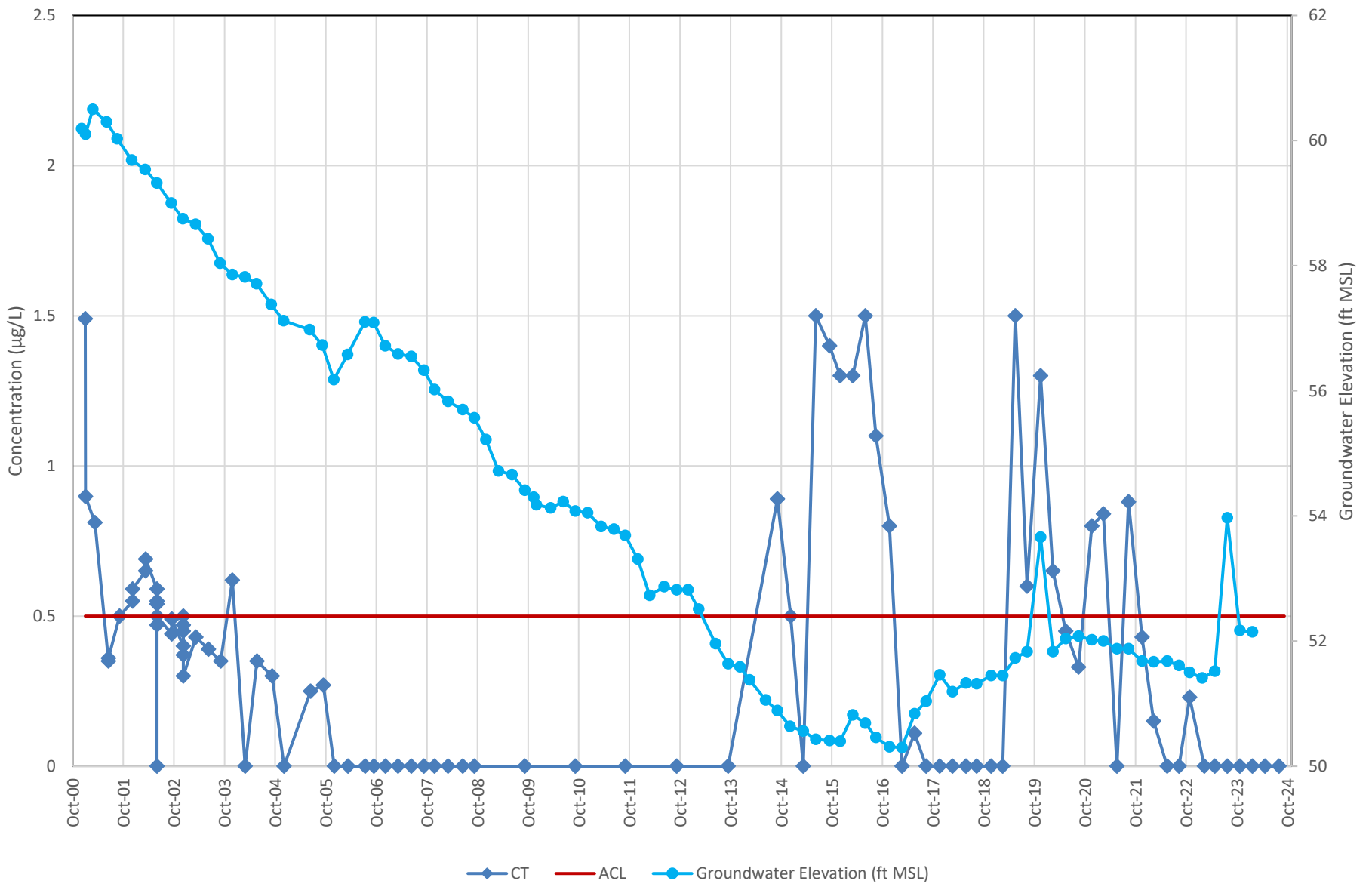
Q: quarterly sampling

R: remove from QAPP, not sampled and depth to water not needed



EW-BW-149-A
 Operable Unit Carbon Tetrachloride Plume Fourth Quarter 2023 through Third Quarter 2024
 Groundwater Monitoring Report, Former Fort Ord, California

Graph:
C1

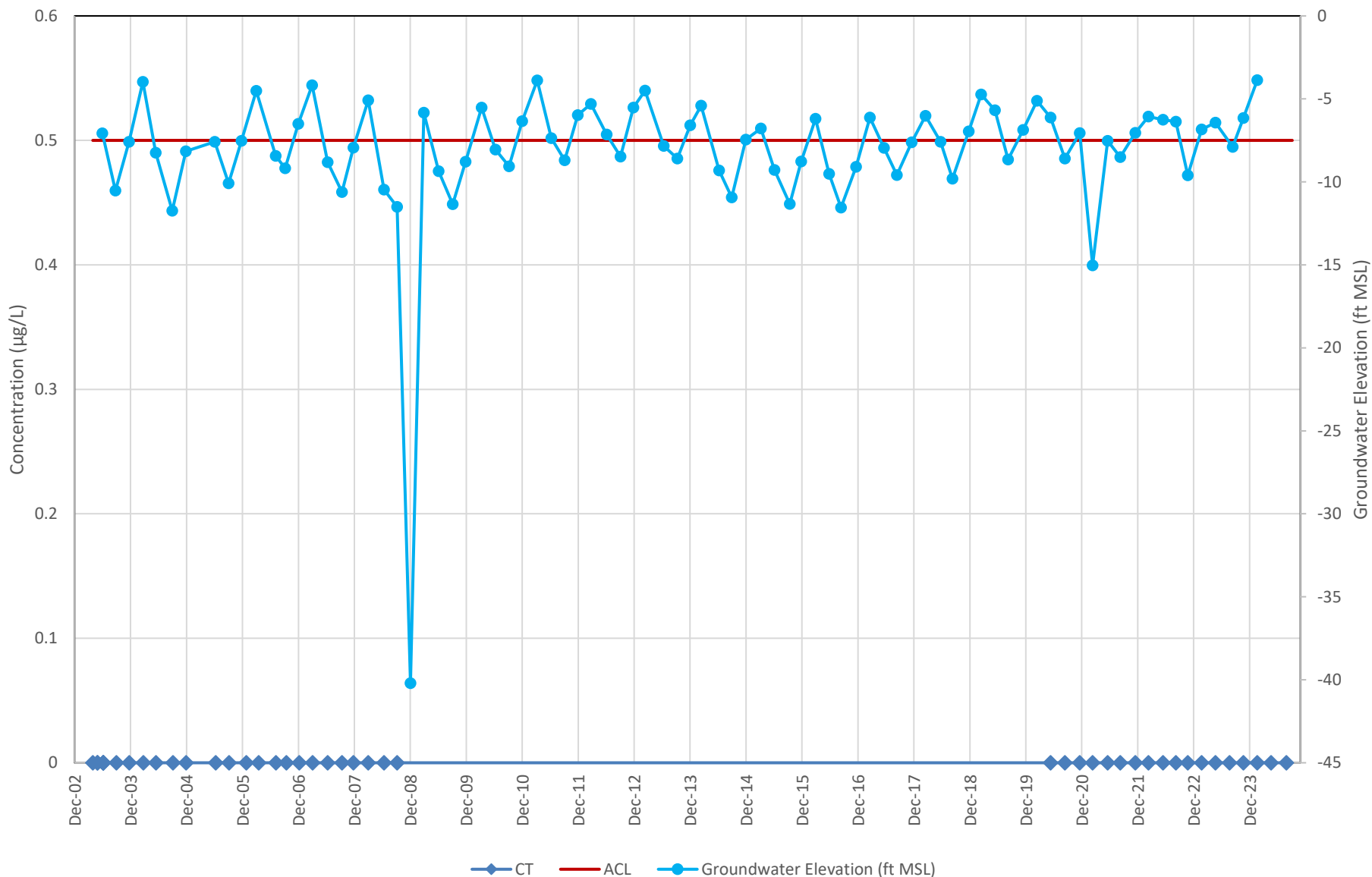


MW-BW-31-A

Operable Unit Carbon Tetrachloride Plume Fourth Quarter 2023 through Third Quarter 2024
Groundwater Monitoring Report, Former Fort Ord, California

Graph:

C2



MW-BW-43-180

Operable Unit Carbon Tetrachloride Plume Fourth Quarter 2023 through Third Quarter 2024
Groundwater Monitoring Report, Former Fort Ord, California

Graph:
C3