2022 First Semiannual Groundwater Monitoring Report, Washrack Site

Environmental Long-Term Monitoring and Inspection
Former U.S. Disciplinary Barracks (USDB)
Lompoc, California

Prepared for:

Department of the Army
U.S. Army Corps of Engineers, Los Angeles
915 Wilshire Blvd., Suite 930
Los Angeles, CA 90017

Prepared by:

Ahtna Global, LLC
9699 Blue Larkspur Lane
Suite 203
Monterey, CA 93940

USACE Contract No.	W912PL18D0044
Delivery Order	W912PL21F0041
Version	Final
Date	November 2022

Report Approval

Report Title:	**2022 First Semiannual Groundwater Monitoring Report, Washrack Site** Environmental Long-Term Monitoring Former U.S. Disciplinary Barracks (USDB) Lompoc, California
Prime Contractor:	Ahtna Global, LLC
USACE Contract No.	W912PL18D0044
Delivery Order No.	W912PL21F0041

11/14/22

Sommer M. Carter, PMP
Program Manager

Date

11/14/22

Connor Dunn
Project Lead

Date

Table of Contents

Tables

Figures

Appendices

Attachments

Acronyms and Abbreviations

µg/L	micrograms per liter
Ahtna	Ahtna Global, LLC
amsl	above mean sea level
bgs	below ground surface
BOP	Bureau of Prisons
CERCLA	Comprehensive Environmental Response, Compensation, and Liability Act
COC	contaminants of concern
DCE	cis-1,2-dichloroethene
DoD	Department of Defense
ERD	enhanced reductive dechlorination
FCC	Federal Correctional Complex
FCI	Federal Correctional Institution
ft	feet or foot
ICC	Intensive Confinement Center
LUC	land use controls
MCL	Maximum Contaminant Level
PCE	tetrachloroethene
PDB	passive diffusion bag
PMM	Post Mitigation Monitoring Plan
QAPP/WP	Quality Assurance Project Plan/Work Plan
QC	quality control
Site	Washrack Site
TCE	trichloroethene
TCRA	Time-Critical Removal Action
USACE	U.S. Army Corp of Engineers
USDB	U.S. Disciplinary Barracks
USP	U.S. Penitentiary
VC	vinyl chloride
VOC	volatile organic compound

1.0 Introduction

On behalf of the U.S. Army Corps of Engineers (USACE), per Contract No. W912PL18D0044, Delivery Order No. W912PL21F0041, Ahtna Global, LLC (Ahtna) has prepared this *2022 First Semiannual Groundwater Monitoring Report* for the Washrack Site located at the Former U.S. Disciplinary Barracks (USDB), Lompoc, California (Figure 1). The report documents the methods and results of the semiannual groundwater monitoring event conducted at the Washrack Site in June 2022.

As part of the semiannual groundwater monitoring event, Ahtna conducted performance monitoring of the enhanced reductive dechlorination (ERD) program at the Washrack Site (Site; consisting of the Washrack and Greaserack Sites) as detailed in the *Final Post Mitigation Monitoring Plan (PMM*), *Washrack Site, Former United States Disciplinary Barracks, Lompoc, California* (Arcadis, 2009b), and associated Change Memorandum (IES, 2010a; IES, 2010b). The last ERD injections were performed in 2008.

2.0 Background

The USDB is located 1.5 miles northwest of downtown Lompoc, California (approximately 50 miles northwest of Santa Barbara, California) (Figure 1). The Lompoc Valley, part of the central California coastal region, is surrounded by rolling hills to the north, south, and east and is open toward the west. Along the property's southern boundary, the Santa Ynez River runs from east to west through the valley before emptying into the Pacific Ocean approximately 5 miles west.

In 1941, the U.S. War Department purchased the property to establish Fort Cooke, a tank-training base. In 1946, the USDB was built as a military detention center. In July 1959, the USDB and the surrounding land were permitted to the Bureau of Prisons (BOP) and renamed the Federal Correctional Institution (FCI). In July 1981, the FCI officially became a U. S. Penitentiary (USP). The property, currently and from now on referred to as the Federal Correctional Complex (FCC), includes the USP, the Federal Prison Camp (a minimum-security prison), the FCI (a low-security prison), the Sewage Treatment Plant, the Farm area, UNICOR Federal Prison Industries, the Dairy, and the Intensive Confinement Center (ICC).

The Washrack Site is located directly north of the USP (Figure 1). The Washrack is an approximately 950 square-foot (ft), 4-inch thick concrete wash pad. A high-pressure steam-cleaning unit used to clean vehicles was stored in a small shed at one corner of the pad. The concrete wash pad was sloped so that water from the steam-cleaning process was drained into a 2 ft by 4 ft catch basin in the middle of the pad. In the past, water drained from the catch basin through underground piping to the sanitary sewer line and then into the FCC's wastewater treatment plant.

The Greaserack Site, considered part of the Washrack Site, is located approximately 100 ft south of the concrete wash pad. This area was also used to clean and service USDB, and later BOP, vehicles. Equipment was removed, the area was paved and now includes an aboveground tank storing propane for fueling forklifts. The areas surrounding the Site—which are mostly paved and generally busy with vehicular and pedestrian traffic—include a paved access road and warehouse to the north; a grassy area and the Transportation Building to the east; the fenced yard of the USP (the medium-security prison) to the south; and paved areas with equipment and vehicles to the west (ERRG, 2021).

2.1 Geology and Hydrogeology

The FCC is located in the northern Lompoc Plain and rolling hills of the Lompoc Upland. The Lompoc Upland borders the Lompoc Plain to the north in the vicinity of the Complex. The Lompoc Valley in the Lompoc Plain is open west to the Pacific Ocean. The valley and its coastline are underlain by unconsolidated deposits, including terrace deposits (0 to 150 ft thick), the Orcutt Sand (0 to 300 ft thick), and the Careaga Sand (450 to 1,000 ft thick). Ground surface elevations across the FCC range from 40 ft above mean sea level (amsl) on the Lompoc Plain to 130 ft amsl in the Lompoc Upland. The Site topography generally slopes toward the south (toward the Santa Ynez River) with southerly flowing drainages.

Monitoring wells drilled into the Lompoc Plain indicate alluvium consisting of silty sand and sandy clay extending to over 40 ft below ground surface (bgs). Monitoring wells drilled in the Lompoc Upland are underlain by sand or gravelly sand to the depths explored (140 ft bgs). Published geologic maps suggest that the geologic units underlying the Upland area include terrace deposits, the Orcutt Sand, and the Careaga Sand.

The FCC is within the Lompoc subunit of the Santa Ynez River Basin, including two water-bearing units, the Upper and Lower Aquifers. The Upper Aquifer is limited to the Lompoc Plain; the Lower Aquifer exists at depth beneath the Upper Aquifer on the Lompoc Plain and in the Lompoc Upland areas. The FCC crosses the contact between the Lompoc Plain and the Lompoc Upland or the Upper Aquifer and Lower Aquifers, respectively. The Washrack Site overlies the Upper Aquifer deposits, and in the vicinity of the FCC, the Orcutt Sand is partially saturated (ERRG, 2021).

Based on previous investigations at the Site, the subsurface lithology consists primarily of sand from the ground surface to approximately 15 to 20 ft bgs. Silts and clays are predominantly present below this sand interval to about 45 to 50 ft. This silt and clay interval also contains some interbedded lenses of fine-grained sand less than four ft in thickness. Fine to medium-grained sand is encountered below approximately 45 to 50 ft bgs (at the base of the silts and clays). Coarse-grained sand with gravel is encountered to between approximately 110 and 130 ft bgs, and finer grained materials (silts, clayey sand, and/or clays) are encountered between approximately 130 and 140 ft bgs. Groundwater in the shallow A-Zone is typically located at depths ranging from 80 to 85 ft bgs (approximately 35–40 ft amsl). Saturated sands extend to 140 ft bgs, the depth of the deep (B-Zone) well WR-MW-01B (Arcadis, 2004b).

The flow direction within the A-Zone is typically northwest at a low gradient with less than 1 ft of elevation difference between the most upgradient (WR-MW-08A) and most downgradient (WR-MW-04A) wells, located approximately 250 ft apart. Seasonal variations in water levels are small, and groundwater has risen slowly across the Site in recent years..

2.2 Previous Investigations and Cleanup

The Washrack Site (including the Washrack and Greaserack sites) is immediately north of the USP. The Site may have been used for vehicle maintenance in the past. Total petroleum hydrocarbons have been tentatively identified in soils south of the Former Washrack. Groundwater sampling has identified organic constituents in groundwater at the Washrack Site, including tetrachloroethene (PCE) and trichloroethene (TCE) above the Maximum Contaminant Level (MCL) of 5 micrograms per liter (µg/L) for each compound. The state and federal MCLs for TCE and PCE are the same.

In July 2001, quarterly groundwater monitoring was initiated at the Washrack Site with monitoring wells WR-MW-01, WR-MW-02, and WR-MW-03. In September 2002, ten additional groundwater monitoring wells were installed (WR-MW-01B, WR-MW-04A and B, WR-MW-05A and B, WR-MW-06A and B, WR-MW-07, WR-MW-08A, and WR-MW-09A; Figure 2) to delineate the lateral and vertical limits of the PCE/TCE plume. In addition, four injection wells (WR-IW-01 through WR-IW-04) were installed to initiate an ERD program at the Site.

The ERD program, beginning in December 2002, was implemented at the Washrack Site as a Time-Critical Removal Action (TCRA) due to its proximity to the Lompoc federal prison and the associated security risks. Discussion and documentation of the TCRA are presented in *the Action Memorandum for the Time-Critical Removal Action (TCRA) under the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) for the "Washrack" and "Farm Fuel" Sites* (HQDA BRAC AFO, 2006). Discussions related to the start-up and preliminary data of the ERD program were presented in the *Final Enhanced Reductive Dechlorination Start-up Report for the Washrack and Farm Fuel Sites* (Arcadis, 2004a).

In July 2004, the plume was further delineated in accordance with the *Final Enhanced Reductive Dechlorination (ERD) Expansion Work Plan for the Washrack Site* (Arcadis, 2004b). As part of the plume delineation, two additional monitoring wells (WR-MW-10A and WR-MW-11A) were installed and monitored since the third quarter of 2004.

An injection event was conducted in July 2004 to supplement the ERD program. Fifteen temporary injection borings were used to further distribute total organic carbon to the impacted areas. Results of the field activities were presented in the *Technical Memorandum – Plume Delineation and Enhanced Reductive Dechlorination Expansion Program, Washrack Site* (Arcadis, 2005a).

In September 2005, the ERD program was expanded at the Washrack Site by adding 12 injection wells (WR-IW-05 through WR-IW-16) and one monitoring well (WR-MW-12A) in accordance with the *Analysis of ERD Injections and Proposed Expansion of the ERD Program at the Washrack Site* (Arcadis, 2005b). One monitoring well (WR-MW-04B) was destroyed in accordance with the *Proposed Well Abandonment at the Former United States Disciplinary Barracks* (Arcadis, 2005c). Details of the ERD expansion, well installation, and survey activities were presented in the *Technical Memorandum –Expansion of the ERD Remediation System at the Washrack Site* (Arcadis, 2005d). Details of the well destruction activities were presented in the *Documentation of Well Abandonment and Well Construction Letter (*Arcadis, 2005e).

In June 2006, injection/tracer tests were performed at monitoring wells WR-MW-01 and WR-MW-09A. The results and conclusions were presented in the *ERD Injection Tests at the Washrack Site* (Arcadis, 2006). The last injection event was completed in December 2008 and included focused groundwater monitoring at wells WR-MW-10A through WR-MW-12A.

In September 2009, two monitoring wells (WR-MW-06A and B) and all 16 injection wells (WR-IW-01 to WR-IW-16) were destroyed in accordance with the *Proposed Well Abandonment at the Former United States Disciplinary Barracks* (Figure 2; Arcadis, 2005c). Monitoring wells selected for destruction were consistently non-detect for volatile organic compounds (VOCs) and met the criteria for destruction as described in the approved PMM (Arcadis, 2009b). Details of the well destruction activities were presented in the *Documentation of Well Abandonment and Well Construction Letter* (Arcadis, 2009a).

The BOP has implemented land use controls (LUCs) throughout the Washrack area. LUCs are necessary to restrict land and groundwater use and prevent unacceptable risks. LUCs at the Site include:

- Restricting groundwater withdrawal and protecting the integrity of existing and proposed wells to prevent exposure to groundwater.
- BOP will not allow or conduct extraction, injection, sampling, incidental disturbance during soil excavation, or any other activity potentially or contacting, handling, impacting, or involving subject waste constituting plume without approval from the Central Coast Regional Water Quality Control Board.

BOP conducts periodic inspections of the Site to ensure compliance with all stated criteria.

2.3 Contaminants of Concern

The contaminants of concern (COCs) for the Washrack Site are PCE, TCE, and degradation products. As of this report, COCs are present in the groundwater at concentrations exceeding MCLs. Degradation product concentrations are considered indicative of the reductive dechlorination process.

Table 2-1. Maximum Contaminant Levels

Contaminant	Short Name	CAS No.	MCL (µg/L) California[1]	 Federal[2]
cis-1,2-Dichloroethene	cis-1,2-DCE	156-59-2	6	70
Tetrachloroethene	PCE	127-18-4	5	5
Trichloroethene	TCE	79-01-6	5	5
Vinyl chloride	VC	75-01-4	0.5	2

Notes:

[1] Environmental Screening levels (RWQCB, 2021)
[2] National Primary Drinking Water Regulations (USEPA, 2022)
µg/L micrograms per liter
CAS Chemical Abstract Service Number

2.4 Other Contaminants

Other compounds have been detected above MCLs less frequently and are thus not considered COCs (Table 2-2). Arsenic and chromium MCL exceedances have been attributed to secondary effects of the ERD program. The last time metal sampling was performed (November 2014), arsenic and chromium were detected above their respective MCLs (IES, 2014). However, due to insufficient water levels at the Site, sample analyses have been limited to VOCs since 2016.

Table 2-2. Non-COC Maximum Contaminant Level Exceedances

Contaminant	MCL (µg/L) California[1]	 Federal[2]	Date of Last CA MCL Exceedance
Benzene	1	5	04/18/2002
Methyl tert-butyl ether	13	None	12/08/2004
bis (2-Ethylhexyl) phthalate	4	6	10/03/2002
Arsenic	10	10	11/05/2014
Cadmium	5	5	10/03/2002
Chromium	50	100	11/04/2014
Lead	15	15	07/27/2001
Mercury	2	2	07/27/2001
Nickel	100	None	12/12/2007
Selenium	50	50	09/30/2002
Nitrite (as Nitrogen)	1,000	1,000	06/26/2003

Notes:

[1] Environmental Screening levels (RWCQB, 2021)
[2] National Primary Drinking Water Regulations (USEPA, 2022)
CA MCL California Maximum Contaminant Level
µg/L micrograms per liter

3.0 Groundwater Monitoring Methods and Procedures

The 2022 first semiannual groundwater monitoring fieldwork was conducted on June 8, 2022. Fieldwork was performed according to the requirements specified in the following project plans:

- *Accident Prevention Plan, Environmental Long-Term Monitoring and Inspection, Former U.S. Disciplinary Barracks, Lompoc, California* (Ahtna, 2021a)
- *Quality Assurance Project Plan/Work Plan (QAPP/WP), Environmental Long-Term Monitoring and Inspection, Former U.S. Disciplinary Barracks, Lompoc, California* (Ahtna, 2021b)
- *Post Mitigation Monitoring Plan (PMM), Washrack Site, Former U.S. Disciplinary Barracks, Lompoc, California (Arcadis*, 2009b)
- *Change Memorandum No. 1 – Final Post Mitigation Monitoring Plan, Washrack Site, Former United States Disciplinary Barracks, Lompoc, CA* (IES, 2010a)
- *Change Memorandum – Final Post Site Mitigation Monitoring Program, Washrack Site, Former United States Disciplinary Barracks, Lompoc, CA.* (IES, 2010b)

Field activities were documented through field notes, photographs, and field forms. Field measurements were recorded on the appropriate data sheets, and samples were managed, labeled, and tracked according to the chain of custody and QAPP/WP requirements. The daily field report is included in Appendix A.

3.1 Current Monitoring Program

The ERD program reduced concentrations of VOCs in groundwater. Since 2009, groundwater monitoring has been performed at the Washrack Site under the requirements of the Final PMM (Arcadis, 2009b) and associated change memoranda (IES, 2010a, 2010b). The current monitoring program assesses contaminant reductions, plume extents, and plume stability.

Currently, there are 11 existing monitoring wells at the Site. Well locations are shown in Figure 2.

WR-MW-01
WR-MW-01B
WR-MW-02
WR-MW-04A
WR-MW-05A
WR-MW-07A
WR-MW-08A
WR-MW-09A
WR-MW-10A
WR-MW-11A
WR-MW-12A

Monitoring well WR-MW-07A previously served as an upgradient/background monitoring well for the ERD program. Sampling was discontinued at WR-MW-07A after the ERD program ended. Currently, WR-MW-07A is used for water levels only. Sampling is performed once per year in the fourth quarter at well WR-MW-01B. The remaining nine wells are sampled for VOCs semiannually (typically second and fourth quarters).

Due to low water levels in many wells at the Washrack Site, sampling has been performed using passive diffusion bags (PDBs) since 2016 (ERRG, 2016). Sampling has not been able to be performed for non-VOC analyses since 2014.

3.2 Well Inspections

All 11 groundwater monitoring wells were inspected to determine if wells were functional and if any maintenance was required. The Daily Field Report in Appendix A shows the maintenance inspection checklist. The following deficiencies were identified:

1. Obstructions were noted in two monitoring wells, WR-MW-01 and WR-MW-02, approximately 15 to 20 ft from the bottom of the well.
2. Soil removal from well boxes is needed at WR-MW-09A, -10A, -11A, and -12A.
3. All wells require maintenance to prevent soil and water infiltration into the well boxes:
    a. Gaskets are non-functional at all wells
    b. Bolts are missing at well WR-MW-01
    c. Bolt holes are stripped at WR-MW-02
    d. Well lid tabs are broken at five wells: WR-MW-01, WR-MW-01B, WR-MW-02, WR-MW-07A, and WR-MW-08A

Ongoing maintenance of the monitoring wells is needed to maintain functionality.

3.3 Water Level Measurements

Depth to water measurements were collected at all 11 monitoring wells (Table 1). Measurements were taken at each well casing and recorded to an accuracy of ± 0.01 ft using a water level meter (Appendix A).

Water level measurements and corresponding groundwater elevations are presented in Section 4.1.

3.4 Passive Diffusion Bag Sampling

During the 2021 second semiannual groundwater monitoring event (December 2021), PDBs were installed in seven wells. This did not include wells WR-MW-01 and WR-MW-02 due to obstructions that prevented the PDBs from reaching groundwater.

On June 8, 2022, the PDBs were retrieved, and VOC samples were collected by directly discharging groundwater into laboratory-provided sample containers. The period between sampling events met and surpassed the necessary equilibration times for Site COCs (USGS, 2001). Following sample collection, PDBs were installed for the 2022 second semiannual event. New PDBs, pre-filled with laboratory-provided deionized water, were set and submerged in the ten monitoring wells scheduled for sampling. PDBs with smaller diameters were used to avoid obstructions in wells WR-MW-01 and WR-MW-02.

3.5 Laboratory Analysis

Following the chain of custody procedures, the sample containers were delivered by overnight carrier to PACE Laboratories (formerly BC Laboratories, Inc.), located at 4100 Atlas Ct, Bakersfield, California, 93308. PACE is accredited by the Department of Defense (DoD) Environmental Laboratory Accreditation Program (DoD Certificate Number L20-280-R1) and the California Environmental Laboratory Accreditation Program (California Certificate Number 1186). Laboratory data reports are included in Attachment 1. VOC analysis was performed by method EPA 8260C.

3.6 Equipment Decontamination

Non-dedicated and non-disposable sampling equipment—including water level meters—were decontaminated before their use and between each sample location. Each piece of equipment was decontaminated with Liquinox® detergent mixed with distilled water, and deionized rinse water was used to remove the detergent.

3.7 Waste Management

Solid trash and debris (e.g., spent gloves, paper towels, and plastic bags) generated during sampling activities were collected and disposed of offsite. Any liquid investigation-derived waste—consisting of purge and decontamination water (less than 1 liter collected during the sampling event) was collected and discharged (in accordance with the USP discharge permit) into a maintenance hole located approximately 50 ft southwest of the Washrack Site that flows directly into the USP wastewater treatment plant.

3.8 Quality Control

The USACE three phases of construction quality control (QC)—preparatory, initial, and follow-up—were implemented for the fieldwork. A preparatory phase meeting to confirm understanding of the scope of work was held between Ahtna, its subcontractors, and USACE representatives before beginning fieldwork. Initial phase inspections were conducted on the first day of fieldwork for each well redevelopment and groundwater monitoring task. Follow-up phase inspections occurred each day until the completion of work. The Field QC Manager documented the elements reviewed on the appropriate inspection forms (Appendix A).

QC samples were collected per the QAPP/WP (Ahtna, 2021b). QC samples included one field duplicate, one field blank, and one matrix spike/matrix spike duplicate pair. Additionally, one trip blank was packed into the sample cooler.

3.9 Data Validation

Validation procedures were performed according to the requirements specified in Worksheet #36 of the QAPP/WP, including Stage 2B validation on 100% of the laboratory-generated data and Stage 4 validation on 10% of the data (DoD, 2019). No results were rejected, and all data is considered valid and acceptable for its intended use. The data validation report is included in Attachment 2.

4.0 Summary of Results

This section summarizes the groundwater sampling results for the 2022 first semiannual event.

Supporting data includes:

Table 1— Groundwater elevations
Table 2 — List of the wells sampled and analyses performed
Table 3 — Laboratory results for VOCs
Table 4 — Laboratory results for COCs
Figure 3 —Potentiometric Surface Map and COC Results
Appendix B — Historical monitoring data
Appendix C — Time-series plots

4.1 Groundwater Gradient and Flow Direction

In Aquifer Zone A, groundwater was encountered at elevations ranging from 39.85 to 41.00 ft amsl (Table 1). The water table is relatively flat with a groundwater gradient of 0.0054 ft/ft between the most upgradient well (WR-MW-08A) and the most downgradient well (WR-MW-10A). The overall flow direction is toward the north-northwest, which is consistent with historical observations. Similar to recent events, the flow direction has become less definitive, and localized eastern flow is present in the westernmost and easternmost portions of the network (Figure 3).

Well WR-MW-01B, which is screened in Aquifer Zone B, had a groundwater elevation of 37.11 ft amsl, indicating a downward gradient. Groundwater elevations increased in 10 of 11 wells from December 2021 to June 2022. The average change in water level across the network was an increase of 0.41 ft.

4.2 VOC Analytical Results

All COCs were detected in at least one sample. One or more COCs were detected at each well except for WR-MW-08A, which is upgradient of the VOC plume. A summary of the COC concentrations is provided in Table 4-1 below.

Table 4-1. Summary of COC Results

	Number of Wells with			Maximum Concentration	
Analyte	**Detections**	**CA MCL Exceedances**	**Federal MCL Exceedances**	**Location**	**Value (µg/L)**
PCE	6	1	1	WR-MW-04A	5.8
TCE	5	0	0	WR-MW-10A	1.3
cis-1,2-DCE	5	2	0	WR-MW-05A	12
Vinyl chloride	2	0	0	WR-MW-05A	0.49 J

Notes:

µg/L micrograms per liter
CA California
DCE dichloroethene
MCL Maximum Contaminant Level
PCE tetrachloroethene

5.0 Conclusions and Recommendations

Detailed conclusions and recommendations will be provided in a forthcoming *Groundwater Sampling Optimization Report.* The following general conclusions are made regarding the Site status:

1. COC concentrations at the Site continue to exceed the MCLs. Eight of the ten wells in the current sampling network have had a COC concentration exceeding the MCLs at least once within the past four semiannual events (May 2020–June 2022). This includes perimeter wells to the west, north, and east of the network. Therefore, the current plume extents are not well defined.
2. The ERD program successfully reduced COC concentrations. However, not all wells show decreasing trends during recent monitoring events. Increasing or insignificant trends are present for particular COCs at select wells.
3. Data from WR-MW-01B does not show contamination of the B-Zone.
4. PCE dechlorination generally occurs according to the sequence of PCE degrading to TCE, TCE degrading to DCE, and DCE degrading to vinyl chloride. During active dechlorination, a distribution of concentrations would be expected across all four stages. However, PCE and DCE concentrations are relatively high compared to TCE and vinyl chloride concentrations. This observation, paired with a general lack of decreasing COC concentrations, indicates that dechlorination does not appear to be progressing.
5. Water levels decreased sharply from 2012 to 2016; however, recent data indicate steady increases of approximately 0.5 ft/year.
6. Short-term seasonal variations in groundwater levels and COC concentrations are minimal with similar results observed in the second quarter and fourth quarter sampling events. Longer term variations in COC concentrations have been observed at select wells (i.e. WR-MW-02, -09, and -12) and may be influenced by year-over-year changes in water levels at the site.

It is recommended that groundwater monitoring be continued semiannually and that the path toward site closure is determined in consultation with the Central Coast Regional Water Quality Control Board.

6.0 References

Ahtna Global, LLC (Ahtna), 2021a. *Accident Prevention Plan*, Environmental Long-term Monitoring, Former U.S. Disciplinary Barracks, Lompoc, CA. September.

Ahtna, 2021b. *Quality Assurance Project Plan/Work Plan*, Environmental Long-term Monitoring, Former U.S. Disciplinary Barracks, Lompoc, CA. November.

Arcadis, 2004a. *Final Enhanced Reductive Dechlorination Start-up Report for the Washrack and Farm Fuel Sites.* April 30.

Arcadis, 2004b. *Final Enhanced Reductive Dechlorination Expansion Work Plan for the Washrack Site.* July 12.

Arcadis, 2005a. *Technical Memorandum - Plume Delineation and Enhanced Reductive Dechlorination Expansion Program, Washrack Site*. March 31.

Arcadis, 2005b. *Analysis of ERD Injections and Proposed Expansion of the ERD Program at the Washrack Site.* July 19.

Arcadis, 2005c. *Proposed Well Abandonment at the Former United States Disciplinary Barracks.* July 19.

Arcadis, 2005d. *Technical Memorandum – Expansion of the Enhanced Reductive Dechlorination Remediation System at the Washrack Site.* November 1.

Arcadis, 2005e. Documentation of Well Abandonment and Well Construction. October 31.

Arcadis, 2006. *ERD Injection Test at the Washrack Site at the Former United States Disciplinary Barracks, Lompoc, California.* August 28.

Arcadis, 2009a. *Documentation of Well Abandonment and Well Construction Letter*, Former United States Disciplinary Barracks, Lompoc, California.

Arcadis, 2009b. *Final Post Mitigation Monitoring Plan*, Washrack Site, Former United States Disciplinary Barracks, Lompoc, California. December.

U.S. Department of Defense (DoD), 2019. General Data Validation Guidelines, Environmental Data Quality Workgroup, November 4, 2019.

Engineering/Remediation Resources Group, Inc. (ERRG), 2016. *Letter Work Plan for Temporary Implementation of Passive Diffusion Bags for Semiannual Groundwater Monitoring at the Washrack Site, Former U.S. Disciplinary Barracks, Lompoc, CA.* August 9.

ERRG, 2021. *Washrack Site Second Semiannual 2020 Groundwater Monitoring Report, Former United States Disciplinary Barracks, Lompoc, California.* January.

Headquarters, Department of the Army, Base Realignment and Closure, Atlanta Field Office (HQDA BRAC AFO, 2006). *Action Memorandum for the Time-Critical Removal Action (TCRA) under CERCLA for the "Washrack" and "Farm Fuel" Sites.* May 3.

Integrated Environmental Services, Inc. (IES), 2010a. *Change Memorandum No. 1 – Final Post Mitigation Monitoring Plan, Washrack Site, Former United States Disciplinary Barracks, Lompoc, CA.* June 1.

IES, 2010b. *Change Memorandum – Final Post Site Mitigation Monitoring Program, Washrack Site, Former United States Disciplinary Barracks, Lompoc, CA.* October 13.

IES, 2014. *Washrack Site –Second Semiannual 2014 Groundwater Monitoring Report, Former United States Disciplinary Barracks, Lompoc, California.* December 12.

Regional Water Quality Control Board (RWQCB), 2021 *MCLs, DLRs, PHGs for Regulated Water Contaminants*. https://www.waterboards.ca.gov/drinking_water/certlic/drinkingwater/documents/mclreview/mcls_dlrs_phgs.pdf

U.S. Environmental Protection Agency (USEPA), 2022. *National Primary Drinking Water Regulations.* https://www.epa.gov/ground-water-and-drinking-water/national-primary-drinking-water-regulations#two

U.S. Geological Survey (USGS), 2001. *User's Guide for Polyethylene-Based Passive Diffusion Bag Samplers to Obtain Volatile Organic Compound Concentrations in Wells*.

Tables

Table 1. Groundwater Elevation Data and Well Details

	Coordinates[1]										GW Elevation (ft amsl)		
Location	**Northing**	**Easting**	**Aquifer**	**Well Dia. (in)**	**Top of Casing Elevation (ft amsl)**	**Top Screen Interval (ft toc)**	**Bottom Screen Interval (ft btoc)**	**Date Measured**	**Total Depth (ft)**	**Depth to Water (ft btoc)**	**Jun 2022**	**Dec 2021**	**Change**
WR-MW-01	2079737	5808543	A	2	122.05	71.50	86.5	06/08/22	87.61	81.39	40.66	40.19	0.47
WR-MW-01B	2079736	5808531	B	2	122.15	130.0	140.0	06/08/22	140.31	85.04	37.11	36.99	0.12
WR-MW-02	2079633	5808536	A	2	121.73	72.5	87.5	06/08/22	88.05	80.95	40.78	40.00	0.78
WR-MW-04A	2079776	5808301	A	2	121.55	75.0	85.0	06/08/22	84.68	81.04	40.51	40.00	0.51
WR-MW-05A	2079733	5808469	A	2	121.85	75.0	85.0	06/08/22	85.15	81.29	40.56	40.09	0.47
WR-MW-07A	2079787	5808621	A	2	119.33	75.0	85.0	06/08/22	83.37	78.64	40.69	40.23	0.46
WR-MW-08A	2079610	5808499	A	2	121.30	75.0	85.0	06/08/22	84.92	80.30	41.00	40.59	0.41
WR-MW-09A	2079767	5808513	A	2	122.17	75.0	85.0	06/08/22	85.02	81.32	40.85	40.17	0.68
WR-MW-10A	2079770	5808360	A	2	121.95	75.0	85.0	06/08/22	84.49	82.10	39.85	40.03	-0.18
WR-MW-11A	2079698	5808347	A	2	121.99	75.0	85.0	06/08/22	84.60	81.54	40.45	40.08	0.37
WR-MW-12A	2079739	5808384	A	2	121.80	75.0	85.0	06/08/22	84.86	81.34	40.46	40.08	0.38

Notes:

[1] Well Coordinates are estimated. NAD 1983 California State Plane Zone 5

amsl = above mean sea level

btoc = below top of casing

dia = diameter

ft = feet

in = inch

Table 2. Sample Schedule

Location ID	Aquifer	Depth to Water	Analysis	Test Method	Sampling Frequency	Sampling Method	Sample Type	Sample Date
WR-MW-01	A	✓	VOCs	EPA 8260C	Semiannual	PDB	NS	PNC[1]
WR-MW-01B	B	✓	VOCs	EPA 8260C	Annual	PDB	NS	Not applicable
WR-MW-02	A	✓	VOCs	EPA 8260C	Semiannual	PDB	—	PNC[1]
WR-MW-04A	A	✓	VOCs	EPA 8260C	Semiannual	PDB	NS	06/08/22
WR-MW-05A	A	✓	VOCs	EPA 8260C	Semiannual	PDB	NS	06/08/22
WR-MW-07A	A	✓	—	—	—	—	—	—
WR-MW-08A	A	✓	VOCs	EPA 8260C	Semiannual	PDB	NS/FD	06/08/22
WR-MW-09A	A	✓	VOCs	EPA 8260C	Semiannual	PDB	NS/MS/MSD	06/08/22
WR-MW-10A	A	✓	VOCs	EPA 8260C	Semiannual	PDB	NS	06/08/22
WR-MW-11A	A	✓	VOCs	EPA 8260C	Semiannual	PDB	NS	06/08/22
WR-MW-12A	A	✓	VOCs	EPA 8260C	Semiannual	PDB	NS	06/08/22

Notes:

[1] Obstructions in wells WR-MW-01 and WR-MW 02 prevented the correct installation and sampling PDBs.

EPA = Environmental Protection Agency

FD = Field duplicate

ft = feet

MS/MSD = Matrix spike/MS duplicate

NS = Normal sample

PDB = Passive Diffusion Bag

PNC: Planned not sampled

VOC = volatile organic compounds

Table 3. Groundwater Monitoring Results— All Volatile Organic Compounds

			Analyte	1,1,1,2-Tetrachloroethane	1,1,1-Trichloroethane	1,1,2,2-Tetrachloroethane	1,1,2-Trichloroethane	1,1-Dichloroethane	1,1-Dichloroethene	1,2-Dichlorobenzene
			Analytical Method	SW8260C	SW8260C	SW8260C	SW8260C	SW8260C	SW8260C	SW8260C
			Units	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
			California MCL	—	200	1	5	5	6	600
			Federal MCL	—	200	—	5	—	7	600
Location	**Sample ID**	**Sampled**	**Type**							
WR-MW-01	—	—	PNC	—	—	—	—	—	—	—
WR-MW-02	—	—	PNC	—	—	—	—	—	—	—
WR-MW-04A	WRMW04A-0622-N	6/8/2022	NS	0.20 U	0.16 U	0.40 U	0.16 U	0.16 U	0.20 U	0.16 U
WR-MW-05A	WRMW05A-0622-N	6/8/2022	NS	0.20 U	0.16 U	0.40 U	0.16 U	0.16 U	0.20 U	0.16 U
WR-MW-08A	WRMW08A-0622-D	6/8/2022	FD	0.20 U	0.16 U	0.40 U	0.16 U	0.16 U	0.20 U	0.16 U
	WRMW08A-0622-N	6/8/2022	NS	0.20 U	0.16 U	0.40 U	0.16 U	0.16 U	0.20 U	0.16 U
WR-MW-09A	WRMW09A-0622-N	6/8/2022	NS	0.20 U	0.16 U	0.40 U	0.16 U	0.16 U	0.20 U	0.16 U
WR-MW-10A	WRMW10A-0622-N	6/8/2022	NS	0.20 U	0.16 U	0.40 U	0.16 U	0.16 U	0.20 U	0.16 U
WR-MW-11A	WRMW11A-0622-N	6/8/2022	NS	0.20 U	0.16 U	0.40 U	0.16 U	0.16 U	0.20 U	0.16 U
WR-MW-12A	WRMW12A-0622-N	6/8/2022	NS	0.20 U	0.16 U	0.40 U	0.16 U	0.16 U	0.20 U	0.16 U

Table 3. Groundwater Monitoring Results— All Volatile Organic Compounds

			Analyte	1,2-Dichloroethane	1,2-Dichloropropane	1,3-Dichlorobenzene	1,4-Dichlorobenzene	Acetone	Benzene	Bromobenzene
			Analytical Method	SW8260C	SW8260C	SW8260C	SW8260C	SW8260C	SW8260C	SW8260C
			Units	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
			California MCL	0.5	5	—	5	—	1	—
			Federal MCL	5	5	—	75	—	5	—
Location	**Sample ID**	**Sampled**	**Type**							
WR-MW-01	—	—	PNC	—	—	—	—	—	—	—
WR-MW-02	—	—	PNC	—	—	—	—	—	—	—
WR-MW-04A	WRMW04A-0622-N	6/8/2022	NS	0.20 U	0.30 U	0.16 U	0.16 U	8 U	0.16 U	0.30 U
WR-MW-05A	WRMW05A-0622-N	6/8/2022	NS	0.20 U	0.30 U	0.16 U	0.16 U	8 U	0.16 U	0.30 U
WR-MW-08A	WRMW08A-0622-D	6/8/2022	FD	0.20 U	0.30 U	0.16 U	0.16 U	8 U	0.16 U	0.30 U
	WRMW08A-0622-N	6/8/2022	NS	0.20 U	0.30 U	0.16 U	0.16 U	8 U	0.16 U	0.30 U
WR-MW-09A	WRMW09A-0622-N	6/8/2022	NS	0.20 U	0.30 U	0.16 U	0.16 U	8 U	0.16 U	0.30 U
WR-MW-10A	WRMW10A-0622-N	6/8/2022	NS	0.20 U	0.30 U	0.16 U	0.16 U	8 U	0.16 U	0.30 U
WR-MW-11A	WRMW11A-0622-N	6/8/2022	NS	0.20 U	0.30 U	0.16 U	0.16 U	8 U	0.16 U	0.30 U
WR-MW-12A	WRMW12A-0622-N	6/8/2022	NS	0.20 U	0.30 U	0.16 U	0.16 U	8 U	0.16 U	0.30 U

Table 3. Groundwater Monitoring Results— All Volatile Organic Compounds

			Analyte	Bromodichloro-methane	Bromoform	Bromomethane	Carbon tetrachloride	Chlorobenzene	Chloroethane	Chloroform
			Analytical Method	SW8260C	SW8260C	SW8260C	SW8260C	SW8260C	SW8260C	SW8260C
			Units	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
			California MCL	80	80	—	0.5	70	—	80
			Federal MCL	80	80	—	5	100	—	80
Location	**Sample ID**	**Sampled**	**Type**							
WR-MW-01	—	—	PNC	—	—	—	—	—	—	—
WR-MW-02	—	—	PNC	—	—	—	—	—	—	—
WR-MW-04A	WRMW04A-0622-N	6/8/2022	NS	0.30 U	0.30 U	0.40 UJ	0.20 U	0.16 U	0.16 U	0.16 U
WR-MW-05A	WRMW05A-0622-N	6/8/2022	NS	0.30 U	0.30 U	0.40 UJ	0.20 U	0.16 U	0.16 U	0.16 U
WR-MW-08A	WRMW08A-0622-D	6/8/2022	FD	0.30 U	0.30 U	0.40 UJ	0.20 U	0.16 U	0.16 U	0.16 U
	WRMW08A-0622-N	6/8/2022	NS	0.30 U	0.30 U	0.40 UJ	0.20 U	0.16 U	0.16 U	0.16 U
WR-MW-09A	WRMW09A-0622-N	6/8/2022	NS	0.30 U	0.30 U	0.40 UJ	0.20 U	0.16 U	0.16 U	0.16 U
WR-MW-10A	WRMW10A-0622-N	6/8/2022	NS	0.30 U	0.30 U	0.40 UJ	0.20 U	0.16 U	0.16 U	0.16 U
WR-MW-11A	WRMW11A-0622-N	6/8/2022	NS	0.30 U	0.30 U	0.40 UJ	0.20 U	0.16 U	0.16 U	0.16 U
WR-MW-12A	WRMW12A-0622-N	6/8/2022	NS	0.30 U	0.30 U	0.40 UJ	0.20 U	0.16 U	0.16 U	0.16 U

Table 3. Groundwater Monitoring Results— All Volatile Organic Compounds

			Analyte	Chloromethane	cis-1,2-Dichloroethene	cis-1,3-Dichloropropene	Dibromochloro-methane	Dibromomethane	Ethylbenzene	Freon 11 (Trichlorofluoro-methane)
			Analytical Method	SW8260C	SW8260C	SW8260C	SW8260C	SW8260C	SW8260C	SW8260C
			Units	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
			California MCL	—	6	—	80	—	300	150
			Federal MCL	—	70	—	80	—	700	—
Location	**Sample ID**	**Sampled**	**Type**							
WR-MW-01	—	—	PNC	—	—	—	—	—	—	—
WR-MW-02	—	—	PNC	—	—	—	—	—	—	—
WR-MW-04A	WRMW04A-0622-N	6/8/2022	NS	0.16 U	0.52	0.16 U	0.16 U	0.40 U	0.16 U	0.16 U
WR-MW-05A	WRMW05A-0622-N	6/8/2022	NS	0.16 U	**12**	0.16 U	0.16 U	0.40 U	0.16 U	0.16 U
WR-MW-08A	WRMW08A-0622-D	6/8/2022	FD	0.16 U	0.16 U	0.16 U	0.16 U	0.40 U	0.16 U	0.16 U
	WRMW08A-0622-N	6/8/2022	NS	0.16 U	0.16 U	0.16 U	0.16 U	0.40 U	0.16 U	0.16 U
WR-MW-09A	WRMW09A-0622-N	6/8/2022	NS	0.16 U	**10**	0.16 U	0.16 U	0.40 U	0.16 U	0.16 U
WR-MW-10A	WRMW10A-0622-N	6/8/2022	NS	0.16 U	3.4	0.16 U	0.16 U	0.40 U	0.16 U	0.16 U
WR-MW-11A	WRMW11A-0622-N	6/8/2022	NS	0.16 U	0.16 U	0.16 U	0.16 U	0.40 U	0.16 U	0.16 U
WR-MW-12A	WRMW12A-0622-N	6/8/2022	NS	0.16 U	5.9	0.16 U	0.16 U	0.40 U	0.16 U	0.16 U

Table 3. Groundwater Monitoring Results— All Volatile Organic Compounds

			Analyte	Freon 113	Freon 12 (Dichlorodifluoro-methane)	m,p-Xylenes	Methylene Chloride	o-Xylene	Tetrachloroethene	Toluene
			Analytical Method	SW8260C	SW8260C	SW8260C	SW8260C	SW8260C	SW8260C	SW8260C
			Units	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
			California MCL	1,200	—	1,750	5	1,750	5	150
			Federal MCL	—	—	10,000	5	10,000	5	1000
Location	**Sample ID**	**Sampled**	**Type**							
WR-MW-01	—	—	PNC	—	—	—	—	—	—	—
WR-MW-02	—	—	PNC	—	—	—	—	—	—	—
WR-MW-04A	WRMW04A-0622-N	6/8/2022	NS	0.16 U	0.16 U	0.45 U	0.5 U	0.40 U	**5.8**	0.16 U
WR-MW-05A	WRMW05A-0622-N	6/8/2022	NS	0.16 U	0.16 U	0.45 U	0.5 U	0.40 U	0.13 J	0.16 U
WR-MW-08A	WRMW08A-0622-D	6/8/2022	FD	0.16 U	0.16 U	0.45 U	0.5 U	0.40 U	0.30 U	0.16 U
	WRMW08A-0622-N	6/8/2022	NS	0.16 U	0.16 U	0.45 U	0.5 U	0.40 U	0.30 U	0.16 U
WR-MW-09A	WRMW09A-0622-N	6/8/2022	NS	0.16 U	0.16 U	0.45 U	0.5 U	0.40 U	0.25 J	0.16 U
WR-MW-10A	WRMW10A-0622-N	6/8/2022	NS	0.16 U	0.16 U	0.45 U	0.5 U	0.40 U	4.6	0.16 U
WR-MW-11A	WRMW11A-0622-N	6/8/2022	NS	0.16 U	0.16 U	0.45 U	0.5 U	0.40 U	3.8	0.16 U
WR-MW-12A	WRMW12A-0622-N	6/8/2022	NS	0.16 U	0.16 U	0.45 U	0.5 U	0.40 U	1.5	0.16 U

Table 3. Groundwater Monitoring Results— All Volatile Organic Compounds

			Analyte	trans-1,2-Dichloroethene	trans-1,3-Dichloropropene	Trichloroethene	Vinyl Chloride
			Analytical Method	SW8260C	SW8260C	SW8260C	SW8260C
			Units	µg/L	µg/L	µg/L	µg/L
			California MCL	10	—	5	0.5
			Federal MCL	100	—	5	2
Location	**Sample ID**	**Sampled**	**Type**				
WR-MW-01	—	—	PNC	—	—	—	—
WR-MW-02	—	—	PNC	—	—	—	—
WR-MW-04A	WRMW04A-0622-N	6/8/2022	NS	0.16 U	0.16 U	1.2	0.16 U
WR-MW-05A	WRMW05A-0622-N	6/8/2022	NS	0.20 J	0.16 U	0.16 U	0.49 J
WR-MW-08A	WRMW08A-0622-D	6/8/2022	FD	0.16 U	0.16 U	0.16 U	0.16 U
	WRMW08A-0622-N	6/8/2022	NS	0.16 U	0.16 U	0.16 U	0.16 U
WR-MW-09A	WRMW09A-0622-N	6/8/2022	NS	0.070 J	0.16 U	0.28 J	0.17 J
WR-MW-10A	WRMW10A-0622-N	6/8/2022	NS	0.060 J	0.16 U	1.3	0.16 U
WR-MW-11A	WRMW11A-0622-N	6/8/2022	NS	0.16 U	0.16 U	0.13 J	0.16 U
WR-MW-12A	WRMW12A-0622-N	6/8/2022	NS	0.16 U	0.16 U	0.47 J	0.16 U

Notes:

µg/L= micrograms per liter

Bold Underline= exceeds State and Federal MCL

Bold= exceeds the State MCL

FD= Field duplicate

ft= feet

J= Estimated value; (+) high bias (-) low bias

MCL= Maximum Contaminant Level

NS= Normal sample

PDB= passive diffusion bag

PNC= Planned, not sampled

U= not detected above the indicated limit of detection

Table 4. Groundwater Monitoring Results—Contaminants of Concern

Analyte			cis-1,2-Dichloroethene	Tetrachloroethene	Trichloroethene	Vinyl Chloride
Analytic Method			SW8260C	SW8260C	SW8260C	SW8260C
Units			µg/L	µg/L	µg/L	µg/L
California MCL			6	5	5	0.5
Federal MCL			70	5	5	2
Location	**Sampled**	**Type**				
WR-MW-01	—	PNC	—	—	—	—
WR-MW-02	—	PNC	—	—	—	—
WR-MW-04A	6/8/2022	NS	0.52	**5.8**	1.2	0.16 U
WR-MW-05A	6/8/2022	NS	**12**	0.13 J	0.16 U	0.49 J
WR-MW-08A	6/8/2022	FD	0.16 U	0.30 U	0.16 U	0.16 U
	6/8/2022	NS	0.16 U	0.30 U	0.16 U	0.16 U
WR-MW-09A	6/8/2022	NS	**10**	0.25 J	0.28 J	0.17 J
WR-MW-10A	6/8/2022	NS	3.4	4.6	1.3	0.16 U
WR-MW-11A	6/8/2022	NS	0.16 U	3.8	0.13 J	0.16 U
WR-MW-12A	6/8/2022	NS	5.9	1.5	0.47 J	0.16 U

Notes:

µg/L= micrograms per liter

Bold= exceeds State MCL

Bold Underline= exceeds State and Federal MCL

FD= Field Duplicate

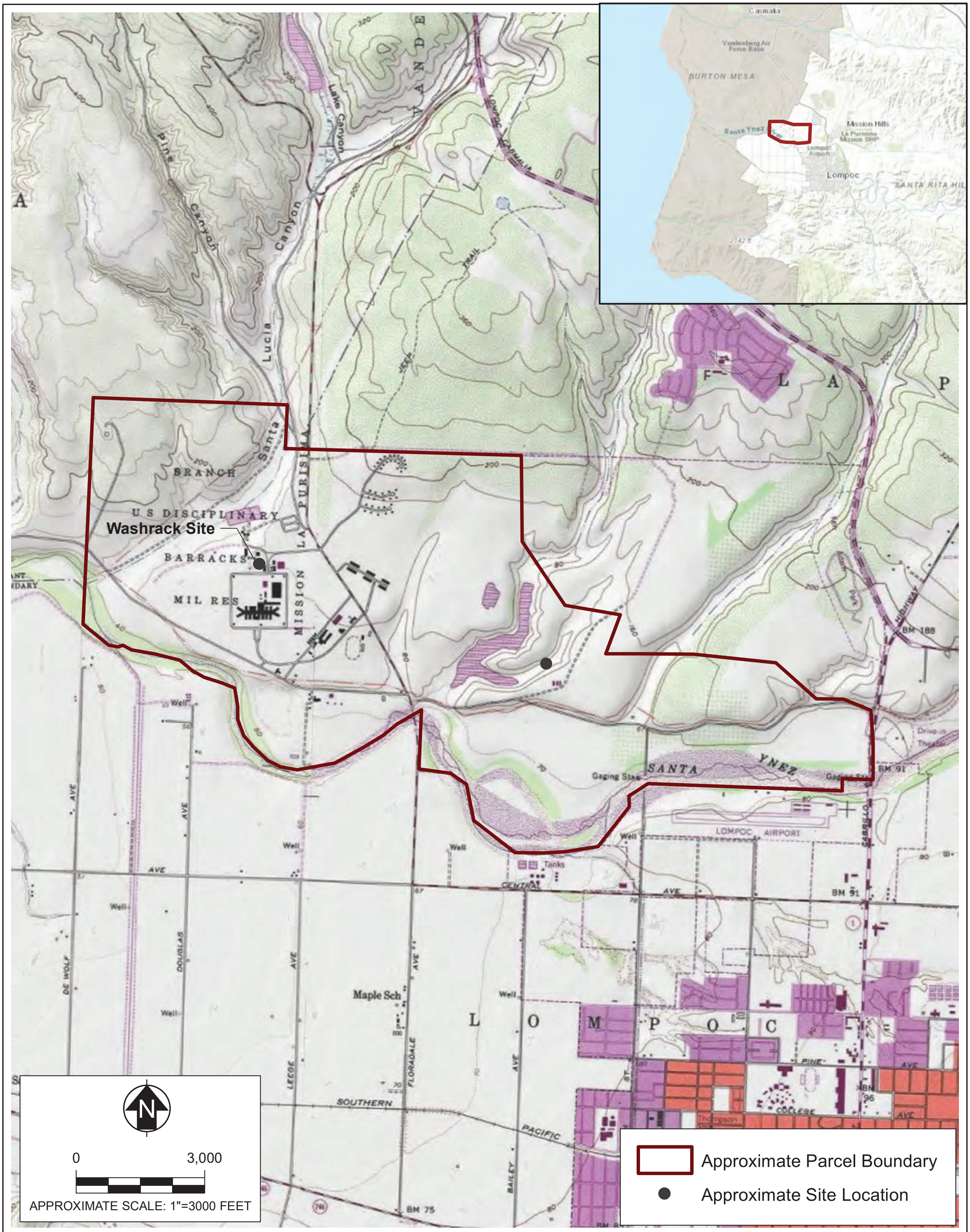
J= Estimated value; (+) high bias (-) low bias

MCL= Maximum Contaminant Level

NS= Normal sample

U= Not detected at or above limit of detection

Figures



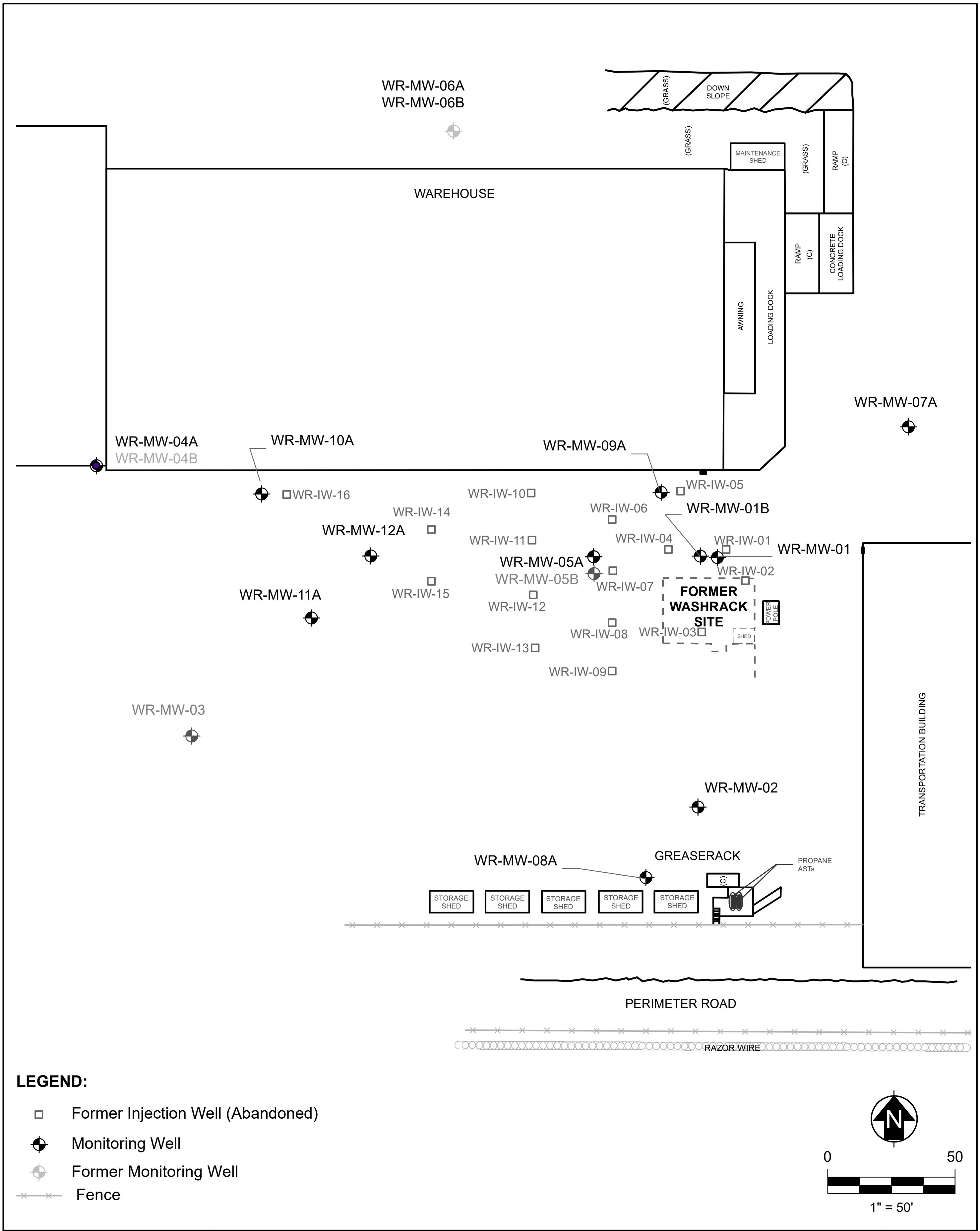
Ahtna

2022 First Semiannual Groundwater Monitoring Report- Washrack Site
Environmental Long-Term Monitoring and Inspection
Former USDB, Lompoc, California

Washrack Site Location Map

1

Source: ERRG, 2021. Washrack Site Second Semiannual 2020 Groundwater Monitoring Report, Former United States Disciplinary Barracks, Lompoc, California



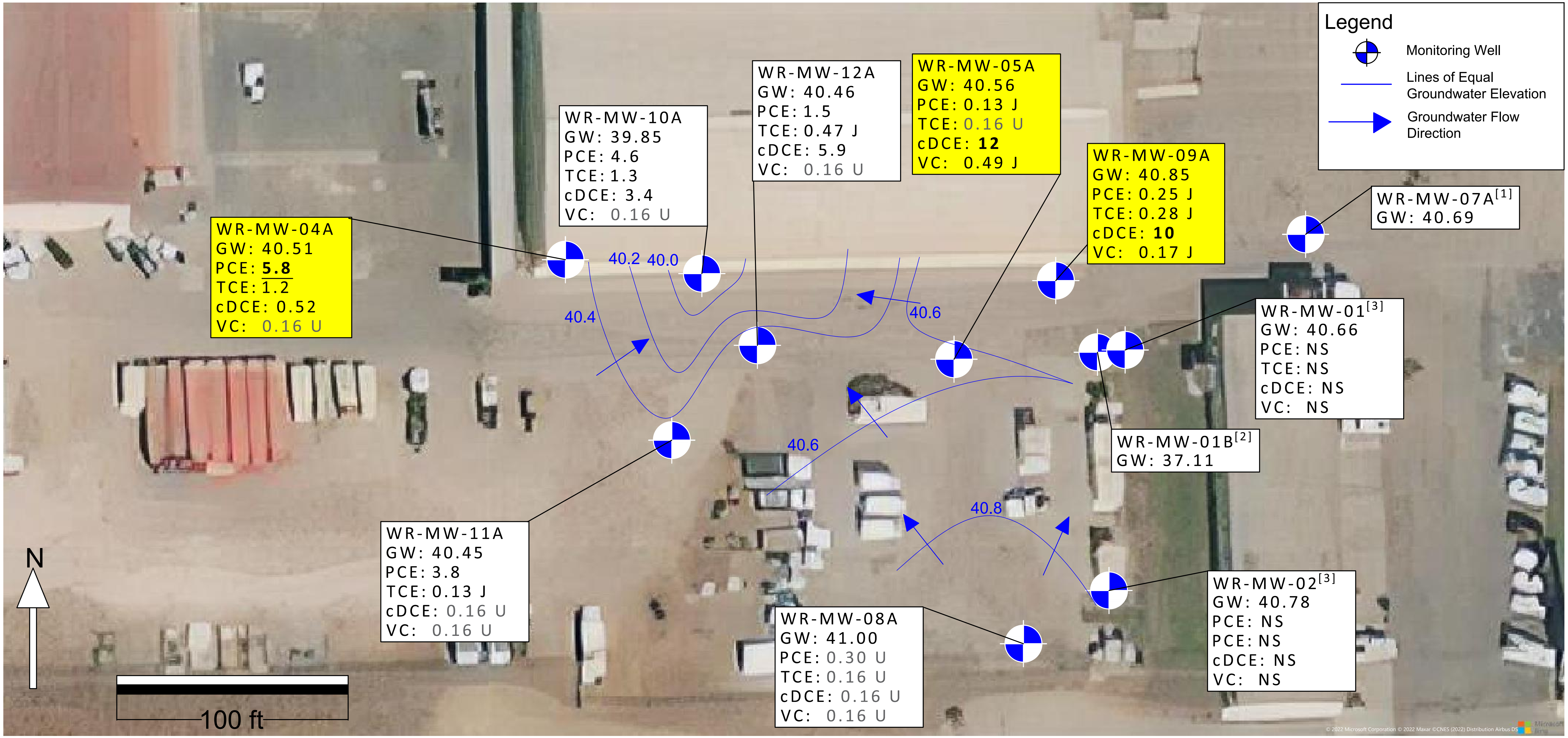
Ahtna

2022 First Semiannual Groundwater Monitoring Report- Washrack Site
Environmental Long-Term Monitoring and Inspection
Former USDB, Lompoc, California

Washrack Monitoring Well Locations

2

Source: ERRG, 2021. *Washrack Site Second Semiannual 2020 Groundwater Monitoring Report, Former United States Disciplinary Barracks, Lompoc, California.* January.



Ahtna

Notes:

[1] Well WR-MW-07A is not sampled under the current monitoring program.

[2] Well WR-MW-01B is sampled only during the second semiannual monitoring events and is excluded from contouring, because it is screened in the B-Zone aquifer.

[3] Wells WR-MW-01 and WR-MW-02 could not be sampled due to obstructions.

[4] Sample collection and water level measurements were performed on June 8, 2022.

All concentrations are reported in micrograms per liter (ug/L).

Yellow boxes indicate locatons of maximum contaminant level (MCL) exceedances.

BOLD: indicates concentration exceeding the California MCL

UNDERLINE: indicates concentration exceeding the Federal MCL

cDCE: cis-1,2-Dichloroethene

GW: groundwater elevation in feet above mean sea level

NS: not sampled

PCE: tetrachloroethene

TCE: trichloroethene

VC: vinyl chloride

Aquifer Zone A Groundwater Potentiometric Surface Map and Contaminants of Concern Results

2022 First Semiannual Groundwater Monitoring Report

Washrack Site

Former USDB, Lompoc CA

Figure

3

Appendices

Appendix A. Daily Field Reports

Ahtna

DAILY REPORT

Former U.S. Disciplinary Barracks- Semiannual Groundwater Monitoring

GENERAL

1) USACE Contract No.:	W912PL-18-D-0044	**2) Date:** 06/08/2022	
3) Program Manager	Sommer Carter	**4) Report No.:** 1/1	
5) Task Lead:	Olivia Chu	**6) SSHO:** Jessica Feduck	
7) QC Manager:	Olivia Chu	**8) Weather:** 51-67; Sunny	

SUMMARY

9) Work Performed:

- Collected depth to water measurements at 11 out of 11 groundwater monitoring wells.
- Collected groundwater samples at 7 out of 9 groundwater monitoring wells (2 monitoring wells were obstructed).
- Reinstalled Passive Diffusion Bags (PDBs) at 10 out of 10 groundwater monitoring wells for the following semiannual groundwater sampling event.

10) Project Schedule/Issues: None

11) Action Items: None

CONTRACTOR PERSONNEL

12) Prime Contractor and Subcontractor Onsite:

Name	Company	Position/Title	Hours
Jessica Feduck	Ahtna	Project Lead/SSHO	5
Olivia Chu	Ahtna	QCM	5

DoD PERSONNEL

13) DoD Personnel Onsite: None

Name	Company	Position/Title	Arrival/Departed

VISITING PERSONNEL

14) Visitors Onsite: None

Name	Company	Position/Title	Arrival/Departed

DETAIL

15) Equipment Status:	ACTIVE	MOB'D	DE-MOB'D
Field Support Vehicles x2	X	X	X

16) Work Planned for Following Day: None

17) Safety:

1. Proper PPE was worn at all times.
2. Biological hazards such as spiders and insects inside of wells were avoided.

18) Quality Control:

1. All wells were gauged (depth to water) as described in SOP-08 in the project QAPP/Work Plan.
2. PDBs were sampled and installed within the screened interval according to SOP-07 in the project QAPP/Work Plan.

19) Other:

1. WR-MW-01 and WR-MW-02 were not sampled due to an obstruction in the well preventing the PDBs from reaching groundwater during the December 2021 semiannual sampling event. Smaller diameter (1.3") PDBs were installed in these wells for sampling during the second 2022 semiannual sampling event.

20) Attachments:

1. Daily Safety Tailgate Form
2. Daily Field Logs
3. 3-Phase Quality Control Inspection Forms

21) Report Submitted by: Sommer Carter

Photos:

Description: Removing PDB rope from obstructed well WR-MW-01, facing north.

Description: Installing PDB at WR-MW-08A.

Description: Decontaminating water level sounder before use at WR-MW-12A, facing north

AHTNA DAILY SITE SAFETY TAILGATE / INSPECTION LOG

GENERAL DATA **Date:** 6/8/2022

Site: Lompoc Site Location: Lompoc, CA

AHTNA Site CDSO/DR: AHTNA SSHO: J. Feduck

DOCUMENTATION OF WORKDAY SAFETY MEETING (List Topics of Discussion):

Traffic, equipment, bio hazards and prisoners

Other items to address as appropriate (**check those discussed**):

- ☑ Scope of day's work
- ☑ Site SH&E Plan / Revisions
- ☑ **AHA's / PTSP's** completed/reviewed?
- ☑ Emergency SOPs (i.e. rally pt., tele #s)
- ☑ Communications Check
- ☑ PPE Requirements
- ☐ OSHA's Focus Four
  - ☐ Fall Hazards
  - ☐ Electrical Hazards
  - ☐ Struck-by Hazards
  - ☐ Caught in / between Hazards
- ☐ Other Primary Hazards
- ☐ Recent near miss / injuries / lessons
- ☐ Lifting Safety / Materials Handling
- ☐ BBS Hazard Triggers'
- ☐ BBS Trigger Controls"
- ☐ Other (heat, noise, trench, confine sp)

MEETING ATTENDEES: (place * next to subcontractor safety representatives)

NAME / COMPANY	NAME / COMPANY
Jessica Feduck / Ahtna	
Olivia Chu / Ahtna	

DAILY INSPECTIONS: (SSHO shall initial each completed applicable inspection item)

Y	N	NA	Inspection Item	Y	N	NA	Inspection Item	Y	N	NA	INSPECTION ITEM OTHER (List)
☑	☐	☐	Postings/Plans (APP) readily avail.	☐	☐	☑	Signs (No Smoking, Site Control)	☐	☐	☐	
☐	☐	☑	Designated Parking / Traffic Control	☑	☐	☐	PPE(head/eye/foot/hand/ear/body)	☐	☐	☐	
☐	☐	☑	Subcontractor Safety Rep Involved	☑	☐	☐	Hi-Vis, PFD's, Ring Buoys, Etc.	☐	☐	☐	
☐	☐	☑	Subcontractor / Task AHA's	☐	☐	☑	Excav./Trench/Spoils Protection	☐	☐	☐	
☐	☐	☑	Subcontractor Equip. Inspections	☐	☐	☑	Confined Spaces Management	☐	☐	☐	
☑	☐	☐	Emergency Equip. (PFE's, FA Kits)	☑	☐	☐	Physical Barriers / Covers	☐	☐	☐	
☐	☐	☑	Eye Wash / Shower	☐	☐	☑	Fall Hazards (Protected)	☐	☐	☐	
☑	☐	☐	Communications Check	☐	☐	☑	Ladders	**ISSUES TO FOLLOW-UP**			
☑	☐	☐	Sanitation (Toilets, Hand Wash)	☑	☐	☐	Power & Portable Hand Tools	(Immediately Correct Deficiencies if able)			
☑	☐	☐	Water & Shade, Non-Pot Identified	☑	☐	☐	Company Field Equipment				
☐	☐	☑	Utilities Identified / Controlled	☑	☐	☐	Alarms / Seatbelts				
☐	☐	☑	Material Storage Proper	☐	☐	☑	GFCI's, Whip-Checks, Slings				
☐	☐	☑	Lay Down Areas Orderly	☐	☐	☑	Exposed Rebar Protected				
☑	☐	☐	Waste Containers	☐	☐	☐	Safety / Health Behaviors:				
☐	☐	☑	Spill Control (Pads, Snakes, Drums)	☑	☐	☐	Competent / Qualified Persons				

Immediately correct any deficiencies. Note any uncorrected deficiencies on the APP Safety and Occupational Health Deficiency Tracking Log.

Comments/Field Notes:

I acknowledge that above elements were inspected and discussed

SSHO/CDSO/DR (signature): **Date:** 6/8/2022

Ahtna

Version: February 2019

Ahtna

Engineering Services, LLC
Environmental, Inc.
Global, LLC
Solutions, LLC
Infrastructure & Technologies, LLC

JOB: 21044.006.01
DATE: 6/8/2022
PROJECT: Lompoc
Semiannual GW Sampling

Semiannual groundwater sampling 'Jessica Feduck' pg 1 of 2

Crew: Jessica Feduck / Ahtna
Olivia Chu

weather: 51 - F ; sunny

07³⁰ / All crews on site
Checked in w/ BOP staff
Safety Tailgate mtg: traffic, large equipment, prisoners
biological hazards, pinch points

0745 / collected GPS points for all groundwater wells
OC offsite
OC onsite

0845 / @ WR-MW-02 ; collected DTW + TD measurement
re-set smaller diameter PDB below obstruction (1.3")
deconned water meter
@ WR-MW-08 ; collected DTW + TD measurement
collected FD sample ; WRMW08A-0622-N @ 910
WRMW08A -0622-D 915.
deconned water level meter
@ WR-MW-01 ; collected DTW + TD measurement
re-set smaller diameter PDB below obstruction (1.3")
deconned water level meter
@ WR-MW-01B ; collected DTW + TD measurement
re-set PDBs for annual sampling event (December) including
MS/MSD PDB.
deconned water level meter
@ WR-MW-09 ; collected DTW + TD
collected MS/MSD sample : WRMW09A-0622N @ ~~10:05~~ JF 10:15
deconned water level meter
@ WR-MW-05 ; collected DTW + TD
collected GW sample : WRMW05A-0622N @ 10:30
deconned water level meter

Ahtna

Engineering Services, LLC
Environmental, Inc.
Global, LLC
Solutions, LLC
Infrastructure & Technologies, LLC

JOB: 21044.006.01
DATE: 06/08/2022
PROJECT: Lompoc

Semiannual GW monitoring 'Jessica Feduck' page 2 of 2

1040: @ WR-MW-04A ; collected DTW + TD
collected sample: WRMW04A - 0622N @ 1045
deconned water level
@ WR-MW-11 ; collected DTW + TD
collected sample: WR-MW11A - 0622N @ 1115
Deconned water level

@ WR-MW-12A ; collected DTW + TD
collected sample: WRMW12A - 0622N @ 1125
collected Field Blank: ~~WRMW~~ FB-0622-01 @ 1140
deconned water level

QC'd samples and packed cooler for shipment

1205 @ WR-MW-07; collected DTW + TD
deconned water level.

1215 Checked out w/ BOP Facilities staff

mob to Lompoc Library for admin record submittal + Fedex
off site

JF 6/22

Water Level Measurements

Job #: 21044.006.01.00 Date: 6/8/2022 Site: USDB Lompoc

Well ID	Date	Time	Dia	June 2022 DTW	Dec 2021 DTW	June 2022 Total Depth (Measured)	Dec 2021 Total Depth (Measured)	Ref Point (TOC)
WR-MW-01	06/ 8 /2022	0930	2	81.39	81.85	87.61	87.46	122.1
WR-MW-01B	06/ 8 /2022	0940	2	85.04	85.16	140.31	140.26	122.2
WR-MW-02	06/ 8 /2022	0845	2	80.95	81.73	94.05	87.99	121.7
WR-MW-04A	06/ 8 /2022	10:45	2	81.04	81.55	84.68	84.7	121.6
WR-MW-05A	06/ 8 /2022	~~94~~ 10:24	2	81.29	81.76	85.15	85.11	121.9
WR-MW-07A	06/ 8 /2022	1200	2	78.64	79.1	83.37	83.41	119.3
WR-MW-08A	06/ 8 /2022	0900	2	80.30	80.71	84.92	84.87	121.3
WR-MW-09A	06/ 8 /2022	1005	2	81.32	82	85.02	84.89	122.2
WR-MW-10A	06/ 8 /2022	1055	2	82.10	81.92	84.49	84.48	122
WR-MW-11A	06/ 8 /2022	1110	2	81.54	81.91	84.60	84.58	122
WR-MW-12A	06/ 8 /2022	920	2	81.34	81.72	84.86	84.86	121.8

Ahtna

Purging And Sampling Data Sheet

Job#: 21044.006.0 | **Sampler:** J. Feduck / O. Cruz | **Client:** USACE

Well ID: WR-MW-01 | **Date:** 06/08/22 | **Site:** USDB Lompoc

Well diam: 1/4" 1" 2" 3" 4" 6" Other: | **DTW:** 81.39 **Total Depth:** 87.61

Purge equip: ES - diam: Bladder Peri Waterra Positive Air Displacement Ext. System disp bailer teflon bailer other: **Tubing:** OD: New Dedicated NA

Purge method: 3-5 Case Volume Micro/Low-Flow Extraction Other:

Pump depth/ intake: | **Multipliers:** 1"= 0.04 2"= 0.16 3"= 0.37 4"= 0.65 5"=1.02 6"= 1.47 Radius^2 X 0.163

(TD - DTW X Multiplier = 1 Volume | 80% Recovery (TD - DTW X 0.20 + DTW)

1 Volume = _______ X _____ = _______ (Total Purge) 80%=______

Time	Temp (°C / °F)	pH	Cond (mS / µS)	Turbidity (NTU)	Purge Rate (gal or mL/ min)	Volume Removed (gal / L)	DO (mg/l)	ORP (mv)	DTW	Notes
			No sample							
			Installed New PDB							

Did well dewater? YES NO | Total volume removed: (gal / L)

Sample method: Disp Bailer Ded. Tubing New Tubing Ext. Port Other:

Sample date: | Sample time: | DTW at sample:

Sample ID: | Lab: | Number of bottles:

Analysis:

Equipment blank ID @ | Field blank ID @

Duplicate ID: | Pre-purge DO: | Post purge DO:

Fe2$^+$: | Pre-purge ORP: | Post purge ORP:

NAPL depth: | Volume of NAPL: | Volume removed: ml

Ahtna

Purging And Sampling Data Sheet

Job#:21044.006.01 **Sampler:** J Feduck/ O. Chu **Client:** USACE

Well ID:WR-MW-01B **Date:** 06/ 07 /22 **Site:** USDB Lompoc

Well diam: 1/4" 1" [✓ 2"] 3" 4" 6" Other: **DTW:** 85.04 **Total Depth:** 14031

Purge equip: ES - diam: Bladder Peri Waterra Positive Air Displacement Ext. System disp bailer teflon bailer other: **Tubing:** OD: New Dedicated NA

Purge method: 3-5 Case Volume Micro/Low-Flow Extraction Other:

Pump depth/ intake: **Multipliers:** 1"= 0.04 2"= 0.16 3"= 0.37 4"= 0.65 5"=1.02 6"= 1.47 Radius² X 0.163

(TD - DTW X Multiplier = 1 Volume 80% Recovery (TD - DTW X 0.20 + DTW)

1 Volume = _______ X _____ = ______ (Total Purge) 80%=______

Time	Temp (°C / °F)	pH	Cond (mS / µS)	Turbidity (NTU)	Purge Rate (gal or mL/ min)	Volume Removed (gal / L)	DO (mg/l)	ORP (mv)	DTW	Notes
			NO SAMPLE							
				Installed New PDB						

Did well dewater? YES NO Total volume removed: (gal / L)

Sample method: Disp Bailer Ded. Tubing New Tubing Ext. Port Other: PDB

Sample date: 06/ /22 Sample time: DTW at sample:

Sample ID: Lab: PACE Number of bottles:

Analysis: VOCs-8260C

Equipment blank ID @ Field blank ID @

Duplicate ID: Pre-purge DO: Post purge DO:

Fe2⁺: Pre-purge ORP: Post purge ORP:

NAPL depth: Volume of NAPL: Volume removed: ml

Ahtna

Purging And Sampling Data Sheet

Job#:21044.006.01 **Sampler:** J Feduck/ O. Chu **Client:** USACE

Well ID:WR-MW-02 **Date:** 06/ 8/2022 **Site:** USDB Lompoc

Well diam: 1/4" 1" [✓ 2"] 3" 4" 6" Other: **DTW:** 80.95 **Total Depth:** 88.05

Purge equip: ES - diam: Bladder Peri Waterra Positive Air Displacement Ext. System

disp bailer teflon bailer other: **Tubing:** OD: New Dedicated NA

Purge method: 3-5 Case Volume Micro/Low-Flow Extraction Other:

Pump depth/ intake: **Multipliers:** 1"= 0.04 2"= 0.16 3"= 0.37 4"= 0.65 5"=1.02 6"= 1.47 Radius^2 X 0.163

(TD - DTW X Multiplier = 1 Volume | 80% Recovery (TD - DTW X 0.20 + DTW)

1 Volume = _______ X _____ = _______ (Total Purge) 80%=_____

Time	Temp (°C / °F)	pH	Cond (mS / μS)	Turbidity (NTU)	Purge Rate (gal or mL/ min)	Volume Removed (gal / L)	DO (mg/l)	ORP (mv)	DTW	Notes
			NO SAMPLE							
				Installed New PDB						

Did well dewater? YES NO Total volume removed: (gal / L)

Sample method: Disp Bailer Ded. Tubing New Tubing Ext. Port Other: PDB

Sample date: 06/ /22 Sample time: DTW at sample:

Sample ID: Lab: PACE Number of bottles:

Analysis: VOCs-8260C

Equipment blank ID @ Field blank ID @

Duplicate ID: Pre-purge DO: Post purge DO:

Fe2$^+$: Pre-purge ORP: Post purge ORP:

NAPL depth: Volume of NAPL: Volume removed: ml

Ahtna

Purging And Sampling Data Sheet

Job#:21044.006.01 **Sampler:** J Feduck/ O. Chu **Client:** USACE

Well ID:WR-MW-04A **Date:** 06/ 8 /22 **Site:** USDB Lompoc

Well diam: 1/4" 1" [✓ 2"] 3" 4" 6" Other: **DTW:** 81.04 **Total Depth:** 84.68

Purge equip: ES - diam: Bladder Peri Waterra Positive Air Displacement Ext. System

disp bailer teflon bailer other: **Tubing:** OD: New Dedicated [✓ NA]

Purge method: 3-5 Case Volume Micro/Low-Flow Extraction Other:

Pump depth/ intake: **Multipliers:** 1"= 0.04 2"= 0.16 3"= 0.37 4"= 0.65 5"=1.02 6"= 1.47 Radius^2 X 0.163

(TD - DTW X Multiplier = 1 Volume 80% Recovery (TD - DTW X 0.20 + DTW)

1 Volume = _______ X _____ = _______ (Total Purge) 80%=_____

Time	Temp (°C / °F)	pH	Cond (mS / µS)	Turbidity (NTU)	Purge Rate (gal or mL/ min)	Volume Removed (gal / L)	DO (mg/l)	ORP (mv)	DTW	Notes
				PDB Sample						
				Installed New PDB						

Did well dewater? YES NO Total volume removed: (gal / L)

Sample method: Disp Bailer Ded. Tubing New Tubing Ext. Port Other: PDB

Sample date: 06/ 8/22 Sample time: 1045 DTW at sample: 81.04

Sample ID: WRMW04A-0622-N Lab: PACE Number of bottles: 3

Analysis: VOCs-8260C

Equipment blank ID @ Field blank ID @

Duplicate ID: Pre-purge DO: Post purge DO:

Fe2$^+$: Pre-purge ORP: Post purge ORP:

NAPL depth: Volume of NAPL: Volume removed: ml

Ahtna

Purging And Sampling Data Sheet

Job#:21044.006.01 **Sampler:** J Feduck/ O. Chu **Client:** USACE

Well ID:WR-MW-05A **Date:** 06/ 8 /22 **Site:** USDB Lompoc

Well diam: 1/4" 1" [✓ 2"] 3" 4" 6" Other: **DTW:** 81.29 **Total Depth:** 85.15

Purge equip: ES - diam: Bladder Peri Waterra Positive Air Displacement Ext. System

disp bailer teflon bailer other: **Tubing:** OD: New Dedicated NA

Purge method: 3-5 Case Volume Micro/Low-Flow Extraction Other:

Pump depth/ intake: **Multipliers:** 1"= 0.04 2"= 0.16 3"= 0.37 4"= 0.65 5"=1.02 6"= 1.47 Radius² X 0.163

(TD - DTW X Multiplier = 1 Volume 80% Recovery (TD - DTW X 0.20 + DTW)

1 Volume = _______ X _____ = _______ (Total Purge) 80%=______

Time	Temp (°C / °F)	pH	Cond (mS / µS)	Turbidity (NTU)	Purge Rate (gal or mL/ min)	Volume Removed (gal / L)	DO (mg/l)	ORP (mv)	DTW	Notes
				PDB Sample						
				Installed New PDB						

Did well dewater? YES NO Total volume removed: (gal / L)

Sample method: Disp Bailer Ded. Tubing New Tubing Ext. Port Other: PDB

Sample date: 06/ 8/22 Sample time: 1030 DTW at sample: 81.29

Sample ID: WRMW05A-0622-N Lab: PACE Number of bottles: 3

Analysis: VOCs-8260C

Equipment blank ID @ Field blank ID @

Duplicate ID: WRMW05A-06 22-D Pre-purge DO: Post purge DO:

Fe2⁺: Pre-purge ORP: Post purge ORP:

NAPL depth: Volume of NAPL: Volume removed: ml

Ahtna

Purging And Sampling Data Sheet

Job#:21044.006.01 **Sampler:** J Feduck/ O. Chu **Client:** USACE

Well ID:WR-MW-08A **Date:** 06/ 8 /22 **Site:** USDB Lompoc

Well diam: 1/4" 1" [✓ 2"] 3" 4" 6" Other: **DTW:** 80.30 **Total Depth:** 84.92 ~~84.88~~

Purge equip: ES - diam: Bladder Peri Waterra Positive Air Displacement Ext. System

disp bailer teflon bailer other: **Tubing:** OD: New Dedicated NA

Purge method: 3-5 Case Volume Micro/Low-Flow Extraction Other:

Pump depth/ intake: **Multipliers:** 1"= 0.04 2"= 0.16 3"= 0.37 4"= 0.65 5"=1.02 6"= 1.47 Radius^2 X 0.163

(TD - DTW X Multiplier = 1 Volume 80% Recovery (TD - DTW X 0.20 + DTW)

1 Volume = _______ X _____ = _______ (Total Purge) 80%=_____

Time	Temp (°C / °F)	pH	Cond (mS / µS)	Turbidity (NTU)	Purge Rate (gal or mL/ min)	Volume Removed (gal / L)	DO (mg/l)	ORP (mv)	DTW	Notes
				PDB Sample						
				Installed New PDB						

Did well dewater? YES NO Total volume removed: (gal / L)

Sample method: Disp Bailer Ded. Tubing New Tubing Ext. Port Other: PDB

Sample date: 06/ 8 /22 Sample time: 0916 DTW at sample: ~~80.8~~ oc 80.30

Sample ID: WRMW08A-0622-N Lab: PACE Number of bottles: 3

Analysis: VOCs-8260C

Equipment blank ID @ Field blank ID @

Duplicate ID: WRMW08A-0622-D, ~~MS/MSD~~ Pre-purge DO: Post purge DO:

Fe2$^+$: Pre-purge ORP: Post purge ORP:

NAPL depth: Volume of NAPL: Volume removed: ml

Duplicate sample time: 0915
1 bottle

Ahtna

Purging And Sampling Data Sheet

Job#:21044.006.01 **Sampler:** J Feduck/ O. Chu **Client:** US ACE

Well ID:WR-MW-09A **Date:** 06/ 8 /22 **Site:** USDB Lompoc

Well diam: 1/4" 1" [✓ 2"] 3" 4" 6" Other: **DTW:** 81.32 **Total Depth:** 85.02

Purge equip: ES - diam: Bladder Peri Waterra Positive Air Displacement Ext. System

disp bailer teflon bailer other: **Tubing:** OD: New Dedicated NA

Purge method: 3-5 Case Volume Micro/Low-Flow Extraction Other:

Pump depth/ intake: **Multipliers:** 1"= 0.04 2"= 0.16 3"= 0.37 4"= 0.65 5"=1.02 6"= 1.47 Radius² X 0.163

(TD - DTW X Multiplier = 1 Volume 80% Recovery (TD - DTW X 0.20 + DTW)

1 Volume = _______ X _____ = _______ (Total Purge) 80%=_____

Time	Temp (°C / °F)	pH	Cond (mS / µS)	Turbidity (NTU)	Purge Rate (gal or mL/ min)	Volume Removed (gal / L)	DO (mg/l)	ORP (mv)	DTW	Notes
				PDB Sample						
				Installed New PDB						

Did well dewater? YES NO Total volume removed: (gal / L)

Sample method: Disp Bailer Ded. Tubing New Tubing Ext. Port Other: PDB

Sample date: 06/ 8 /22 Sample time: 1015 DTW at sample: 81.32

Sample ID:WRMW09A-0622-N Lab: PACE Number of bottles: 5

Analysis: VOCs-8260C – MS/MSD

Equipment blank ID @ Field blank ID @

Duplicate ID: Pre-purge DO: Post purge DO:

Fe2⁺: Pre-purge ORP: Post purge ORP:

NAPL depth: Volume of NAPL: Volume removed: ml

Ahtna

Purging And Sampling Data Sheet

Job#:21044.006.01 **Sampler:** J Feduck/ O. Chu **Client:** USACE

Well ID:WR-MW-10A **Date:** 06/ 8 /22 **Site:** USDB Lompoc

Well diam: 1/4" 1" [✓ 2"] 3" 4" 6" Other: **DTW:** 82.10 **Total Depth:** 84.49

Purge equip: ES - diam: Bladder Peri Waterra Positive Air Displacement Ext. System

disp bailer teflon bailer other: **Tubing:** OD: New Dedicated NA

Purge method: 3-5 Case Volume Micro/Low-Flow Extraction Other:

Pump depth/ intake: **Multipliers:** 1"= 0.04 2"= 0.16 3"= 0.37 4"= 0.65 5"=1.02 6"= 1.47 Radius² X 0.163

(TD - DTW X Multiplier = 1 Volume 80% Recovery (TD - DTW X 0.20 + DTW)

1 Volume = _______ X _____ = _______ (Total Purge) 80%=_____

Time	Temp (°C / °F)	pH	Cond (mS / µS)	Turbidity (NTU)	Purge Rate (gal or mL/ min)	Volume Removed (gal / L)	DO (mg/l)	ORP (mv)	DTW	Notes
				PDB Sample						
				Installed New PDB						

Did well dewater? YES NO Total volume removed: (gal / L)

Sample method: Disp Bailer Ded. Tubing New Tubing Ext. Port Other: PDB

Sample date: 06/ 8 /22 Sample time: 1100 DTW at sample: 82.10

Sample ID: WRMW10A-0622-N Lab: PACE Number of bottles: 3

Analysis: VOCs-8260C

Equipment blank ID @ Field blank ID @

Duplicate ID: Pre-purge DO: Post purge DO:

Fe2⁺: Pre-purge ORP: Post purge ORP:

NAPL depth: Volume of NAPL: Volume removed: ml

Ahtna

Purging And Sampling Data Sheet

Job#:21044.006.01 | **Sampler:** J Feduck/ O. Chu | **Client:** USACE

Well ID:WR-MW-11A | **Date:** 06/ 8 /22 | **Site:** USDB Lompoc

Well diam: 1/4" 1" [✓ 2"] 3" 4" 6" Other: | **DTW:** 81.54 **Total Depth:** 81.60

Purge equip: ES - diam: Bladder Peri Waterra Positive Air Displacement Ext. System

disp bailer teflon bailer other: **Tubing:** OD: New Dedicated NA

Purge method: 3-5 Case Volume Micro/Low-Flow Extraction Other:

Pump depth/ intake: | **Multipliers:** 1"= 0.04 2"= 0.16 3"= 0.37 4"= 0.65 5"=1.02 6"= 1.47 Radius² X 0.163

(TD - DTW X Multiplier = 1 Volume | 80% Recovery (TD - DTW X 0.20 + DTW)

1 Volume = _______ X _____ = _______ (Total Purge) 80%=_____

Time	Temp (°C / °F)	pH	Cond (mS / µS)	Turbidity (NTU)	Purge Rate (gal or mL/ min)	Volume Removed (gal / L)	DO (mg/l)	ORP (mv)	DTW	Notes
				PDB Sample						
				Installed New PDB						

Did well dewater? YES NO | Total volume removed: (gal / L)

Sample method: Disp Bailer Ded. Tubing New Tubing Ext. Port Other: PDB

Sample date: 06/8/22 | Sample time: 1115 | DTW at sample: 81.54

Sample ID: WRMW11A-0622-N | Lab: PACE | Number of bottles: 3

Analysis: VOCs-8260C

Equipment blank ID @ | Field blank ID @

Duplicate ID: | Pre-purge DO: | Post purge DO:

Fe2^{+}: | Pre-purge ORP: | Post purge ORP:

NAPL depth: | Volume of NAPL: | Volume removed: ml

Purging And Sampling Data Sheet

Job#:21044.006.01 **Sampler:** J Feduck/ O. Chu **Client:** USACE

Well ID:WR-MW-12A **Date:** 06/ 8 /22 **Site:** USDB Lompoc

Well diam: 1/4" 1" [✓ 2"] 3" 4" 6" Other: **DTW:** 81.34 **Total Depth:** 84.86

Purge equip: ES - diam: Bladder Peri Waterra Positive Air Displacement Ext. System

disp bailer teflon bailer other: **Tubing:** OD: New Dedicated NA

Purge method: 3-5 Case Volume Micro/Low-Flow Extraction Other:

Pump depth/ intake: **Multipliers:** 1"= 0.04 2"= 0.16 3"= 0.37 4"= 0.65 5"=1.02 6"= 1.47 Radius^2 X 0.163

(TD - DTW X Multiplier = 1 Volume 80% Recovery (TD - DTW X 0.20 + DTW)

1 Volume = _______ X _____ = _______ (Total Purge) 80%=______

Time	Temp (°C / °F)	pH	Cond (mS / µS)	Turbidity (NTU)	Purge Rate (gal or mL/ min)	Volume Removed (gal / L)	DO (mg/l)	ORP (mv)	DTW	Notes
				PDB Sample						
				Installed New PDB						

Did well dewater? YES NO Total volume removed: (gal / L)

Sample method: Disp Bailer Ded. Tubing New Tubing Ext. Port Other: PDB

Sample date: 06/8 /22 Sample time: 1125 DTW at sample: 81.34

Sample ID:WRMW12A-0622-N Lab: PACE Number of bottles: 3

Analysis: VOCs-8260C

Equipment blank ID @ Field blank ID FB-0622-0@ 1140

Duplicate ID: Pre-purge DO: Post purge DO:

Fe2$^+$: Pre-purge ORP: Post purge ORP:

NAPL depth: Volume of NAPL: Volume removed: ml

Ahtna

Ahtna

9969 Blue Larkspur Lane Suite 203
Monterey, CA 93940
(831) 287-5257

CHAIN OF CUSTODY

WATER / SOIL

Chain of Custody #: 1/1

Project Information:

Project Location: Lompoc, CA **Sampler/s:** J.Feduck and O. Chu

Project Name: Former USDB Lompoc **Report To:** Sommer Carter (925-357-0750), Jessica Feduck (925-330-5479)

Project Number: 21044.006.01.000 **E-Mail:** scarter@ahtna.net; jfeduck@ahtna.net; lab@ahtna.net

Sampling Event: 2022 First Semiannual Event **Laboratory:** PACE Analytical

Lab Sample Receipt

Laboratory Sample Delivery

Group #:

Custody Seal:

Temp (°C):

Lab Number	Sample Number/Description	Sample Collection		Matrix			Total # of Bottles	Number of Preserved Bottles								Analysis Requested							Notes
		Date	Time	Water	Soil	Other		HCl	HNO_3	H_2SO_4	NaOH	MeOH	$NaHSO^4$	None	Other	8260C- VOCs							
	WRMW04A-0622-N	06/ 8 /22	1045	X			3	X								X							
	WRMW05A-0622-N	06/ 8 /22	1030	X			3	X								X							
	WRMW08A-0622-N	06/ 8 /22	0910	X			3	X								X							~~MS/MSD~~
	WRMW08A-0622-D	06/ 8 /22	0915	X			1	X								X							
	WRMW09A-0622-N	06/ 8 /22	1015	X			5	X								X							MS/MSD
	WRMW10A-0622-N	06/ 8 /22	1100	X			3	X								X							
	WRMW11A-0622-N	06/ 8 /22	1115	X			3	X								X							
	WRMW12A-0622-N	06/ 8 /22	1125	X			3	X								X							
	FB-0622-01	06/ 8 /22	1140	X			1	X								X							
	TB-0622-01	06/ 8 /22	1135	X			1	X								X							

Turnaround Time: X : Standard ____: 3-5 Day Rush ____: 48 Hour Rush ____: 24 Hour Rush Shipment Method: FedEX Tracking ID: ____

Comments:

Chain of Custody Tracking:

Relinquished By Sampler:	**Date/Time:** 06/08/22 / 1230	**Received By:**	**Date/Time:**
Relinquished By:	**Date/Time:**	**Received By:**	**Date/Time:**
Relinquished By:	**Date/Time:**	**Received By Laboratory:**	**Date/Time:**

Well Maintenance Inspection Form

Date: 06/08/2022

Field Technician: J. Feduck / O. Chu

Inspection Point	No Corrective Action	Well Cap Non-Functional	Lock- Non Functional	Lock Missing	Bolts Missing (#/ total #)	Tabs Stripped (#/ total #)	Tabs Broken (#/ total #)	Gasket- Non-Functional	Rim/Lid Broken	Apron/Bollard damaged	Other	Well Not Inspected	Notes (repairs made while on site)
WR-MW-01			N/A		2/2	2/2	/	✓					No bolts
WR-MW-01B			N/A		0/2	8/2	/	✓					
WR-MW-02			N/A		0/2	2/2	/	✓					Stripped bolt holes
WR-MW-04A			N/A		0/2			✓					
WR-MW-05A			N/A		0/2	2/2		✓					
WR-MW-07A			N/A		0/2	2/2	✓	✓					
WR-MW-08A			N/A		0/2	2/2	/	✓					
WR-MW-09A			N/A		0/2	0/2		✓					Full of dirt
WR-MW-10A			N/A		0/2	1/2		✓					1/2 full of dirt
WR-MW-11A			N/A		0/2	2/2		✓					1/2 full of dirt
WR-MW-12A			N/A		0/2	0/2		✓					1/2 full of dirt

INVESTIGATION, MONITORING, O&M PROJECTS
INITIAL PHASE INSPECTION COVER SHEET

Date: 06/08/2022

Contract No.: W912PL-18-D-0044
Task No.: 2.2.1a
Location/Project: Lompoc, CA/ USDB

Description and Location of Work Inspected: USDB Lompoc Semiannual Groundwater sampling

A. Key Personnel Present:

	Name	Position	Company
1.	Jessica Feduck	Project lead/SSHO	Ahtna
2.	Olivia Chu	QCM	Ahtna
3.			
4.			
5.			
6.			
7.			
8.			
9.			
10.			

Olivia Chu
Quality Control Manager Signature

INVESTIGATION, MONITORING, O&M PROJECTS: INITIAL PHASE INSPECTION CHECKLIST

Assessment Activity	Assessment Mechanism	Person(s) Responsible	Response Action	Completed by/Date
Beginning of project activity: Is work being performed according to project plans? Yes	Conduct field and laboratory audits. ✓	Project Manager, Quality Control System Manager, Task Manager, Project Chemist, Field staff. ✓	Stop work if audits indicate significant deviation from project plan. Implement immediate or long- term corrective actions. Communicate deficiencies to USACE Project Manager. ✓	OL 6/8/22
Early phase of project: Have necessary audits been performed? Yes	Review project phase and check to see if required audits have *been* satisfactorily completed. ✓	Project Manager, Project Manager, Quality Control System Manager ✓	Stop work if reviewer decides that absence of audit jeopardizes successful implementation of project plans. Immediately schedule necessary audits. ✓	OL 6/8/22
Ongoing throughout project: Are daily quality control reports being prepared according to contract requirements? Yes	Review Content and delivery schedules of daily quality control reports. ✓	Project Manager, Task Manager, Project Chemist, Project Staff ✓	Correct deficiencies in reports or reporting delays. ✓	OL 6/8/22
Ongoing throughout project: Do project plans adequately address any changes in project activities or goal? Yes	Compare data gathered to assess conformance to the project plan and conceptual site model. ✓	Project Manager, Safety and Health Officer, Quality Control System Manager, Task Manager, Project Chemist, Field staff. ✓	Stop work if assessor decides that project plan deficiencies are significant. Implement corrective action to include modification of project plans. Notify USACE Project Manager. ✓	OL 6/8/22
Ongoing throughout project: Do project plans adequately address any changes in project activities or goals? Yes	Compare data gathered to assess conformance to the conceptual site model, data quality objectives, and project plan. ✓	Project Manager, Quality Control System Manager, Task Manager, Project Chemist, data users and evaluators. ✓	Propose additional data collection activities to fill data gaps. Notify USACE Project Manager. Revise or update planning documents as appropriate. ✓	OL 6/8/22

INVESTIGATION, MONITORING, O&M PROJECTS
FOLLOW-UP PHASE INSPECTION COVER SHEET

Date: 06/08/2022

Contract No.: W912PL-18-D-0044
Task No.: 2.2.1a
Location/Project: Lompoc, CA/USDB

Project/Area of Inspection: USDB Lompoc / Semi annual groundwater sampling

A. Key Personnel Present:

	Name	Position	Company
1.	Jessica Feduck	Project Lead	Ahtna
2.	Olivia Chu	QCM	
3.			
4.			
5.			
6.			
7.			
8.			
9.			
10.			

B. Definable Features of Work:	Status of Inspection:
In accordance with the QAPP/Work Plan, SOP-007 and SOP-008, depth to water and total depth were measured prior to collecting PDB samples at each well (Ahtna, 2021)	Complete

Olivia Chu
Quality Control Manager

INVESTIGATION PROJECT FOLLOW-UP PHASE INSPECTION CHECKLIST

Assessment Activity	Assessment Mechanism	Person(s) Responsible	Response Action	Completed by/Date
Reporting phase of project: Have data reports been prepared in accordance with project plans? yes	Compare data reports to specifications detailed in planning documents. ✓	Project Manager, Quality Control Manager, Task Manager, Project Chemist, data users and evaluators. ✓	Revise documents and reports as appropriate. ✓	OL 6/8/22
After draft report submittal or project completion: Are reports adequate to meet client and regulatory agency requirements? yes	Review client and agency comments. Prepare responses to comments. ✓	Project Manager, Quality Control Manager, Task Manager, Project Chemist, data users and evaluators. ✓	Revise documents and reports as appropriate. ✓	OL 6/8/22
Have other definable features of work been completed in accordance to project requirements yes	Compare definable features of work with project requirements. ✓	Project Manager, Quality Control Manager ✓	Complete definable feature of work as required. ✓	OL 6/8/22

Appendix B. Historical Groundwater Monitoring Results

Table B-1. Historical Groundwater Monitoring Results - Organics

	Analyte	TPH-Diesel	TPH-Gas	TPH-Oil	1,1,1-TCA	1,1-DCE	4-Methyl phenol	Acetone	Benzene	bis(2-Ethylhexyl)-Phthalate	Bromodichloro-methane
	Units	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
	California MCL	N/A	N/A	N/A	200	6	N/A	N/A	1	4	80
	Historical MCL Exceedances?	No	No	No	No	No	No	No	Yes	Yes	No
Well ID	**Sampled**										
WR-IW-01	10/02/02	–	–	–	< 1 U	< 1 U	–	< 20 UJ	< 1 U	–	< 1 U
WR-IW-01	11/11/03	–	–	–	< 13 U	< 13 U	–	440	< 13 U	–	< 13 U
WR-IW-01	02/10/04	–	–	–	< 13 U	< 13 U	–	1100	< 13 U	–	< 13 U
WR-IW-02	10/02/02	–	–	–	< 1 U	< 1 U	–	< 20 UJ	< 1 U	–	< 1 U
WR-IW-02	11/11/03	–	–	–	< 13 U	< 13 U	–	420	< 13 U	–	< 13 U
WR-IW-03	10/02/02	–	–	–	< 1 U	< 1 U	–	< 20 UJ	< 1 U	–	< 1 U
WR-IW-03	11/11/03	–	–	–	< 13 U	< 13 U	–	670	< 13 U	–	< 13 U
WR-IW-03	02/10/04	–	–	–	< 20 U	< 20 U	–	3600	< 20 U	–	< 20 U
WR-IW-04	10/02/02	–	–	–	< 1 U	< 1 U	–	< 20 UJ	< 1 U	–	0.19 J
WR-IW-04	11/11/03	–	–	–	< 13 U	< 13 U	–	400	< 13 U	–	< 13 U
WR-MW-01	07/27/01	50	60	500 J	< 5 U	< 0.40 U	–	< 20 U	< 0.40 U	–	< 0.50 U
WR-MW-01	01/03/02	–	–	–	< 0.50 U	< 0.50 U	< 10 U	–	< 0.50 U	< 10 U	< 0.50 U
WR-MW-01	01/03/02	–	–	–	< 0.50 U	< 0.50 U	< 10 U	–	< 0.50 U	< 10 U	< 0.50 U
WR-MW-01	04/18/02	–	< 50 U	–	< 2.5 U	< 2.5 U	< 10 U	< 50 U	**1.6 J**	< 10 U	< 2.5 U
WR-MW-01	08/13/02	< 50 UJ	< 50 U	–	< 2.5 U	< 2.5 U	< 10 U	< 50 U	< 2.5 U	< 10 U	< 2.5 U
WR-MW-01	08/13/02	< 50 UJ	< 50 U	–	< 0.50 U	< 0.50 U	< 10 U	< 10 U	< 0.50 U	< 10 U	< 0.50 U
WR-MW-01	11/14/02	–	–	–	< 0.50 UJ	< 0.50 UJ	–	< 10 UJ	< 0.50 U	–	< 0.50 U
WR-MW-01	02/13/03	–	–	–	< 0.50 U	< 0.50 U	–	31	< 0.50 U	–	< 0.50 U
WR-MW-01	02/13/03	–	–	–	< 0.50 U	< 0.50 U	–	33	< 0.50 U	–	< 0.50 U
WR-MW-01	06/26/03	–	–	–	< 0.50 U	< 0.50 U	–	43	< 0.50 U	–	< 0.50 U
WR-MW-01	06/26/03	–	–	–	< 0.50 U	< 0.50 U	–	38	< 0.50 U	–	< 0.50 U
WR-MW-01	08/06/03	4400	360	–	< 0.50 U	< 0.50 U	780	60	< 0.50 U	< 250 U	< 0.50 U
WR-MW-01	11/11/03	2200	59	–	< 0.50 U	< 0.50 U	< 96 U	< 10 U	< 0.50 U	< 96 U	< 0.50 U
WR-MW-01	11/11/03	2400	54	–	< 0.50 U	< 0.50 U	130	< 10 U	< 0.50 U	< 97 U	< 0.50 U
WR-MW-01	02/10/04	< 50 U	< 50 U	–	< 0.50 U	< 0.50 U	< 9.4 U	< 10 U	< 0.50 U	< 9.4 U	< 0.50 U
WR-MW-01	05/25/04	1200	< 50 U	–	< 0.50 U	< 0.50 U	170 J-	18	< 0.50 U	–	< 0.50 U
WR-MW-01	09/02/04	< 300 U	< 50 U	–	< 0.50 U	< 0.50 U	57	12	< 0.50 U	< 20 U	< 0.50 U
WR-MW-01	12/08/04	54	< 50 U	< 300 U	< 0.50 U	< 0.50 U	< 9.5 U	12	< 0.50 U	< 9.5 U	< 0.50 U
WR-MW-01	03/01/05	< 50 U	< 50 U	< 300 U	< 0.50 U	< 0.50 U	< 9.5 U	< 10 U	< 0.50 U	< 9.5 U	< 0.50 U
WR-MW-01	03/01/05	< 50 U	< 50 U	< 300 U	< 0.50 U	< 0.50 U	< 9.5 U	< 10 U	< 0.50 U	< 9.5 U	< 0.50 U
WR-MW-01	06/07/05	24000	1400	< 60000 U	< 0.50 U	< 0.50 U	5800	420	< 0.50 U	< 1900 U	< 0.50 U

Table B-1. Historical Groundwater Monitoring Results - Organics

Analyte		TPH-Diesel	TPH-Gas	TPH-Oil	1,1,1-TCA	1,1-DCE	4-Methyl phenol	Acetone	Benzene	bis(2-Ethylhexyl)-Phthalate	Bromodichloro-methane
Units		µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
California MCL		N/A	N/A	N/A	200	6	N/A	N/A	1	4	80
Historical MCL Exceedances?		No	No	No	No	No	No	No	Yes	Yes	No
Well ID	**Sampled**										
WR-MW-01	06/07/05	22000	1400	< 60000 U	< 0.50 U	< 0.50 U	5200	390	< 0.50 U	< 1900 U	< 0.50 U
WR-MW-01	09/14/05	5300	53	< 3000 U	< 1 U	< 1 U	830	< 20 U	< 1 U	< 240 U	< 1 U
WR-MW-01	12/06/05	16000	250	< 3000 U	< 0.50 U	< 0.50 U	1100	72	< 0.50 U	< 480 U	< 0.50 U
WR-MW-01	03/14/06	14000	300	< 6000 U	< 0.50 U	< 0.50 U	< 4800 U	93	< 0.50 U	< 4800 U	< 0.50 U
WR-MW-01	06/26/06	–	–	–	< 1 U	< 1 U	410	< 20 U	< 1 U	< 9.4 U	< 1 U
WR-MW-01	06/26/06	–	–	–	< 1 U	< 1 U	410	< 20 U	< 1 U	< 9.4 U	< 1 U
WR-MW-01	09/26/06	–	–	–	< 2.5 U	< 2.5 U	280	< 50 U	< 2.5 U	< 9.4 U	< 2.5 U
WR-MW-01	09/26/06	–	–	–	< 0.50 U	< 0.50 U	280	< 10 U	< 0.50 U	< 9.4 U	< 0.50 U
WR-MW-01	12/13/06	1100	< 50 U	< 300 U	< 0.50 U	< 0.50 U	80	< 10 U	< 0.50 U	< 9.4 U	< 0.50 U
WR-MW-01	03/27/07	–	–	–	< 2.5 U	< 2.5 U	100	< 50 U	< 2.5 U	< 19 U	< 2.5 U
WR-MW-01	06/12/07	–	–	–	< 0.50 U	< 0.50 U	130	< 10 U	< 0.50 U	< 9.4 U	< 0.50 U
WR-MW-01	06/12/07	–	–	–	< 0.50 U	< 0.50 U	130	< 10 U	< 0.50 U	< 9.4 U	< 0.50 U
WR-MW-01	09/26/07	–	–	–	< 0.50 U	< 0.50 U	37	< 10 U	< 0.50 U	< 9.5 U	< 0.50 U
WR-MW-01	09/26/07	–	–	–	< 0.50 U	< 0.50 U	44	< 10 U	< 0.50 U	< 9.5 U	< 0.50 U
WR-MW-01	12/13/07	–	< 50 U	–	< 0.50 U	< 0.50 U	–	< 10 U	< 0.50 U	–	< 0.50 U
WR-MW-01	12/13/07	390	< 50 U	< 300 U	< 0.50 U	< 0.50 U	–	< 10 U	< 0.50 U	–	< 0.50 U
WR-MW-01	03/27/08	–	< 50 U	–	< 0.50 U	< 0.50 U	< 9.4 U	< 10 U	< 0.50 U	< 9.4 U	< 0.50 U
WR-MW-01	03/27/08	–	< 50 U	–	< 0.50 U	< 0.50 U	< 9.4 U	< 10 U	< 0.50 U	< 9.4 U	< 0.50 U
WR-MW-01	10/08/08	–	–	–	< 0.50 U	< 0.50 U	< 9.4 U	< 10 U	< 0.50 U	< 9.4 U	< 0.50 U
WR-MW-01	10/08/08	–	–	–	< 0.50 U	< 0.50 U	< 9.4 U	< 10 U	< 0.50 U	< 9.4 U	< 0.50 U
WR-MW-01	04/09/09	370	< 50 U	< 300 U	< 0.50 U	< 0.50 U	–	< 10 U	< 0.50 U	–	< 0.50 U
WR-MW-01	04/09/09	130	< 50 U	< 300 U	< 0.50 U	< 0.50 U	–	< 10 U	< 0.50 U	–	< 0.50 U
WR-MW-01	06/24/10	62	< 50 U	< 300 U	< 0.50 U	< 0.50 U	–	< 10 U	< 0.50 U	–	< 0.50 U
WR-MW-01	06/24/10	57	< 50 U	< 300 U	< 0.50 U	< 0.50 U	–	< 10 U	< 0.50 U	–	< 0.50 U
WR-MW-01	01/26/11	< 50 U	< 50 U	< 300 U	< 0.50 U	< 0.50 U	–	< 10 U	< 0.50 U	–	< 0.50 U
WR-MW-01	01/26/11	< 50 U	< 50 U	< 300 U	< 0.50 U	< 0.50 U	–	< 10 U	< 0.50 U	–	< 0.50 U
WR-MW-01	06/20/11	< 50 U	< 50 U	< 300 U	< 0.50 U	< 0.50 U	–	< 10 U	< 0.50 U	–	< 0.50 U
WR-MW-01	06/20/11	< 50 U	< 50 U	< 300 U	< 0.50 U	< 0.50 U	–	< 10 U	< 0.50 U	–	< 0.50 U
WR-MW-01	01/11/12	< 50 U	< 50 U	< 300 U	< 0.50 U	< 0.50 U	–	< 10 U	< 0.50 U	–	< 0.50 U
WR-MW-01	01/11/12	< 50 U	< 50 U	< 300 U	< 0.50 U	< 0.50 U	–	< 10 U	< 0.50 U	–	< 0.50 U
WR-MW-01	06/26/12	< 50 U	< 50 U	< 300 U	< 0.50 U	< 0.50 U	–	< 10 U	< 0.50 U	–	< 0.50 U

Table B-1. Historical Groundwater Monitoring Results - Organics

Analyte		TPH-Diesel	TPH-Gas	TPH-Oil	1,1,1-TCA	1,1-DCE	4-Methyl phenol	Acetone	Benzene	bis(2-Ethylhexyl)-Phthalate	Bromodichloromethane
Units		µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
California MCL		N/A	N/A	N/A	200	6	N/A	N/A	1	4	80
Historical MCL Exceedances?		No	No	No	No	No	No	No	Yes	Yes	No
Well ID	**Sampled**										
WR-MW-01	06/26/12	< 50 U	< 50 U	< 300 U	< 0.50 U	< 0.50 U	–	< 10 U	< 0.50 U	–	< 0.50 U
WR-MW-01	01/04/13	< 54 U	< 50 U	< 330 U	< 0.50 U	< 0.50 U	–	< 10 U	< 0.50 U	–	< 0.50 U
WR-MW-01	01/04/13	64	< 50 U	< 340 U	< 0.50 U	< 0.50 U	–	< 10 U	< 0.50 U	–	< 0.50 U
WR-MW-01	06/25/13	150	< 50 U	< 330 U	< 0.50 U	< 0.50 U	–	< 10 U	< 0.50 U	–	< 0.50 U
WR-MW-01	06/25/13	130	< 50 U	< 320 U	< 0.50 U	< 0.50 U	–	< 10 U	< 0.50 U	–	< 0.50 U
WR-MW-01	12/03/13	< 50 U	< 50 U	< 300 U	< 0.50 U	< 0.50 U	–	< 10 U	< 0.50 U	–	< 0.50 U
WR-MW-01	12/03/13	< 52 U	< 50 U	< 310 U	< 0.50 U	< 0.50 U	–	< 10 U	< 0.50 U	–	< 0.50 U
WR-MW-01	06/30/14	< 49 U	< 50 U	< 290 U	< 0.50 U	< 0.50 U	–	< 10 U	< 0.50 U	–	< 0.50 U
WR-MW-01	06/30/14	< 49 U	< 50 U	< 290 U	< 0.50 U	< 0.50 U	–	< 10 U	< 0.50 U	–	< 0.50 U
WR-MW-01	11/05/14	< 50 U	< 50 U	< 300 U	< 0.50 U	< 0.50 U	–	< 10 U	< 0.50 U	–	< 0.50 U
WR-MW-01	11/05/14	< 50 U	< 50 U	< 300 U	< 0.50 U	< 0.50 U	–	< 10 U	< 0.50 U	–	< 0.50 U
WR-MW-01	09/28/16	–	–	–	< 0.40 U	< 0.20 U	–	90	< 0.20 U	–	< 0.20 U
WR-MW-01	12/21/16	–	–	–	< 0.40 U	< 0.20 U	–	93	< 0.20 U	–	< 0.20 U
WR-MW-01	06/28/17	–	–	–	< 0.40 U	< 0.40 U	–	30 J	< 0.20 U	–	< 0.40 U
WR-MW-01	12/19/17	–	–	–	< 0.40 U	< 0.40 U	–	110	< 0.40 U	–	< 0.40 U
WR-MW-01	06/14/18	–	–	–	< 0.40 U	< 0.40 U	–	17	0.10 J	–	< 0.40 U
WR-MW-01	12/14/18	–	–	–	< 0.50 U	< 0.50 U	–	100 J	< 0.50 U	–	< 0.50 U
WR-MW-01	12/14/18	–	–	–	< 0.50 U	< 0.50 U	–	96 J	< 0.50 U	–	< 0.50 U
WR-MW-01	06/25/19	–	–	–	< 0.40 U	< 0.40 U	–	24 J	< 0.20 U	–	< 0.20 U
WR-MW-01	12/30/19	–	–	–	< 0.40 U	< 0.40 U	–	80 J	< 0.20 U	–	< 0.40 U
WR-MW-01	12/30/19	–	–	–	< 0.40 U	< 0.40 U	–	83 J	< 0.20 U	–	< 0.40 U
WR-MW-01	05/07/20	–	–	–	< 0.40 UJ	< 0.40 UJ	–	21 J	< 0.2 UJ	–	< 0.40 UJ
WR-MW-01	05/07/20	–	–	–	< 0.40 U	< 0.40 U	–	27	< 0.20 U	–	< 0.40 U
WR-MW-01	11/18/20	–	–	–	< 0.20 U	< 0.20 U	–	48	< 0.20 U	–	< 0.20 U
WR-MW-01	11/18/20	–	–	–	< 0.20 U	< 0.20 U	–	51 J	< 0.20 U	–	< 0.20 U
WR-MW-01B	10/03/02	< 50 U	< 50 U	–	0.088 J	2.6	< 10 U	< 10 U	< 0.50 U	< 10 U	< 0.50 U
WR-MW-01B	10/03/02	< 50 U	< 50 U	–	0.083 J	2.5	< 10 U	< 10 U	< 0.50 U	< 10 U	< 0.50 U
WR-MW-01B	02/09/03	–	–	–	< 0.50 U	1.9	–	< 10 U	< 0.50 U	–	< 0.50 U
WR-MW-01B	05/29/03	–	–	–	< 0.50 U	0.8 J+	–	< 10 U	< 0.50 U	–	0.70 J+
WR-MW-01B	08/06/03	–	–	–	< 0.50 U	2.9	–	< 10 U	< 0.50 U	–	< 0.50 U
WR-MW-01B	11/10/03	–	–	–	< 0.50 U	4.0	–	< 10 U	< 0.50 U	–	< 0.50 U

Table B-1. Historical Groundwater Monitoring Results - Organics

Analyte		TPH-Diesel	TPH-Gas	TPH-Oil	1,1,1-TCA	1,1-DCE	4-Methyl phenol	Acetone	Benzene	bis(2-Ethylhexyl)-Phthalate	Bromodichloro-methane
Units		µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
California MCL		N/A	N/A	N/A	200	6	N/A	N/A	1	4	80
Historical MCL Exceedances?		No	No	No	No	No	No	No	Yes	Yes	No
Well ID	**Sampled**										
WR-MW-01B	02/10/04	–	–	–	< 0.50 U	5.0	–	< 10 U	< 0.50 U	–	< 0.50 U
WR-MW-01B	05/24/04	–	–	–	< 0.50 U	4.7	–	< 10 U	< 0.50 U	–	< 0.50 U
WR-MW-01B	09/02/04	–	–	–	< 0.50 U	4.4 J+	–	< 10 U	< 0.50 U	–	< 0.50 U
WR-MW-01B	12/08/04	–	–	–	< 0.50 U	5.1	–	< 10 U	< 0.50 U	–	< 0.50 U
WR-MW-01B	03/02/05	–	–	–	< 0.50 U	4.5	–	< 10 U	< 0.50 U	–	< 0.50 U
WR-MW-01B	06/07/05	–	–	–	< 0.50 U	4.4	–	< 10 U	< 0.50 U	–	< 0.50 U
WR-MW-01B	09/13/05	–	–	–	< 0.50 U	2.9	–	< 10 U	< 0.50 U	–	< 0.50 U
WR-MW-01B	12/06/05	–	–	–	< 0.50 U	2.0	–	< 10 U	< 0.50 U	–	< 0.50 U
WR-MW-01B	03/14/06	–	–	–	< 0.50 U	2.0	–	< 10 U	< 0.50 U	–	< 0.50 U
WR-MW-01B	06/26/06	–	–	–	< 0.50 U	1.4 J+	–	< 10 U	< 0.50 U	–	< 0.50 U
WR-MW-01B	09/26/06	–	–	–	< 0.50 U	1.0	–	< 10 U	< 0.50 U	–	< 0.50 U
WR-MW-01B	12/13/06	–	–	–	< 0.50 U	1.0	–	< 10 U	< 0.50 U	–	< 0.50 U
WR-MW-01B	03/26/07	–	–	–	< 0.50 U	1.0	–	< 10 U	< 0.50 U	–	< 0.50 U
WR-MW-01B	06/12/07	–	–	–	< 0.50 U	1.0	–	< 10 U	< 0.50 U	–	< 0.50 U
WR-MW-01B	09/25/07	–	–	–	< 0.50 U	0.90	–	< 10 U	< 0.50 U	–	< 0.50 U
WR-MW-01B	12/13/07	–	–	–	< 0.50 U	0.70	–	< 10 U	< 0.50 U	–	< 0.50 U
WR-MW-01B	03/26/08	–	–	–	< 0.50 U	0.70	–	< 10 U	< 0.50 U	–	< 0.50 U
WR-MW-01B	10/07/08	–	–	–	< 0.50 U	< 0.50 U	–	< 10 U	< 0.50 U	–	< 0.50 U
WR-MW-01B	10/07/08	–	–	–	< 0.50 U	0.60	–	< 10 U	< 0.50 U	–	< 0.50 U
WR-MW-01B	04/09/09	–	–	–	< 0.50 U	< 0.50 U	–	< 10 U	< 0.50 U	–	< 0.50 U
WR-MW-01B	06/23/10	–	–	–	< 0.50 U	< 0.50 U	–	< 10 U	< 0.50 U	–	< 0.50 U
WR-MW-01B	02/14/11	–	–	–	< 0.50 U	< 0.50 U	–	< 10 U	< 0.50 U	–	< 0.50 U
WR-MW-01B	01/10/12	–	–	–	< 0.50 U	< 0.50 U	–	< 10 U	< 0.50 U	–	< 0.50 U
WR-MW-01B	01/03/13	–	–	–	< 0.50 U	< 0.50 U	–	< 10 U	< 0.50 U	–	< 0.50 U
WR-MW-01B	12/03/13	–	–	–	< 0.50 U	< 0.50 U	–	< 10 U	< 0.50 U	–	< 0.50 U
WR-MW-01B	11/04/14	–	–	–	< 0.50 U	< 0.50 U	–	< 10 U	< 0.50 U	–	< 0.50 U
WR-MW-01B	06/28/17	–	–	–	< 0.40 U	< 0.40 U	–	37 J	0.30 J	–	< 0.40 U
WR-MW-01B	12/19/17	–	–	–	< 0.40 U	< 0.40 U	–	100	0.50	–	< 0.40 U
WR-MW-01B	12/14/18	–	–	–	< 0.50 U	< 0.50 U	–	93 J	0.35	–	< 0.50 U
WR-MW-01B	06/25/19	–	–	–	< 0.40 U	< 0.40 U	–	36 J	0.40	–	< 0.20 U
WR-MW-01B	06/25/19	–	–	–	< 0.40 U	< 0.40 U	–	34 J	0.30	–	< 0.20 U

Table B-1. Historical Groundwater Monitoring Results - Organics

Analyte		TPH-Diesel	TPH-Gas	TPH-Oil	1,1,1-TCA	1,1-DCE	4-Methyl phenol	Acetone	Benzene	bis(2-Ethylhexyl)-Phthalate	Bromodichloro-methane
Units		µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
California MCL		N/A	N/A	N/A	200	6	N/A	N/A	1	4	80
Historical MCL Exceedances?		No	No	No	No	No	No	No	Yes	Yes	No
Well ID	**Sampled**										
WR-MW-01B	12/30/19	–	–	–	< 0.40 U	< 0.40 U	–	< 43 UJ	0.40	–	< 0.40 U
WR-MW-01B	11/18/20	–	–	–	< 0.20 U	< 0.20 U	–	63 J	0.23	–	< 0.20 U
WR-MW-01B	12/16/21	–	–	–	< 0.16 U	< 0.20 U	–	< 8 U	0.27 J	–	< 0.30 U
WR-MW-01B	12/16/21	–	–	–	< 0.16 U	< 0.20 U	–	< 8 U	0.16 J	–	< 0.30 U
WR-MW-01B	12/16/21	–	–	–	< 0.16 U	< 0.20 U	–	< 8 U	0.13 J	–	< 0.30 U
WR-MW-02	07/27/01	40 J	30 J	80 J	< 5 U	< 0.40 U	–	< 20 U	< 0.40 U	–	< 0.50 U
WR-MW-02	01/03/02	–	–	–	< 0.50 U	< 0.50 U	< 10 U	–	< 0.50 U	< 10 U	< 0.50 U
WR-MW-02	04/18/02	–	< 50 U	–	< 0.50 U	< 0.50 U	< 10 U	< 10 U	< 0.50 U	< 10 U	< 0.50 U
WR-MW-02	04/18/02	–	< 50 U	–	< 0.50 U	< 0.50 U	< 10 U	< 10 U	< 0.50 U	< 10 U	< 0.50 U
WR-MW-02	08/13/02	< 50 UJ	< 50 U	–	< 0.50 U	< 0.50 U	< 10 U	< 10 U	< 0.50 U	< 10 U	< 0.50 U
WR-MW-02	11/14/02	–	–	–	< 0.50 UJ	< 0.50 UJ	–	< 10 UJ	< 0.50 U	–	< 0.50 U
WR-MW-02	02/08/03	–	–	–	< 0.50 U	< 0.50 U	–	< 10 U	< 0.50 U	–	< 0.50 U
WR-MW-02	05/27/03	–	–	–	< 0.50 U	< 0.50 U	–	< 10 U	< 0.50 U	–	< 0.50 U
WR-MW-02	08/05/03	< 50 U	< 50 U	–	< 0.50 U	< 0.50 U	< 9.7 U	< 10 U	< 0.50 U	< 9.7 U	< 0.50 U
WR-MW-02	11/10/03	< 230 U	< 50 U	–	< 0.50 U	< 0.50 U	< 9.5 U	< 10 U	< 0.50 U	< 9.5 U	< 0.50 U
WR-MW-02	02/10/04	< 50 U	< 50 U	–	< 0.50 U	< 0.50 U	< 9.4 U	< 10 U	< 0.50 U	< 9.4 U	< 0.50 U
WR-MW-02	05/25/04	< 50 U	< 50 U	–	< 0.50 U	< 0.50 U	< 9.4 U	< 10 U	< 0.50 U	< 9.4 U	< 0.50 U
WR-MW-02	09/03/04	< 300 U	< 50 U	–	< 0.50 U	< 0.50 U	< 10 U	< 10 U	< 0.50 U	< 10 U	< 0.50 U
WR-MW-02	12/07/04	< 50 U	< 50 U	< 300 U	< 0.50 U	< 0.50 U	< 9.5 U	< 10 U	< 0.50 U	< 9.5 U	< 0.50 U
WR-MW-02	03/02/05	< 50 U	< 50 U	< 300 U	< 0.50 U	< 0.50 U	< 9.5 U	< 10 U	< 0.50 U	< 9.5 U	< 0.50 U
WR-MW-02	06/07/05	< 50 U	< 50 U	< 300 U	< 0.50 U	< 0.50 U	< 9.5 U	< 10 U	< 0.50 U	< 9.5 U	< 0.50 U
WR-MW-02	09/14/05	< 50 U	< 50 U	< 300 U	< 0.50 U	< 0.50 U	< 10 U	< 10 U	< 0.50 U	< 10 U	< 0.50 U
WR-MW-02	12/06/05	< 50 U	< 50 U	< 300 U	< 0.50 U	< 0.50 U	< 9.4 U	< 10 U	< 0.50 U	< 9.4 U	< 0.50 U
WR-MW-02	03/14/06	54	< 50 U	< 300 U	< 0.50 U	< 0.50 U	< 9.4 U	< 10 U	< 0.50 U	< 9.4 U	< 0.50 U
WR-MW-02	06/27/06	–	–	–	< 0.50 U	< 0.50 U	–	< 10 U	< 0.50 U	–	< 0.50 U
WR-MW-02	09/25/06	–	–	–	< 0.50 U	< 0.50 U	–	< 10 U	< 0.50 U	–	< 0.50 U
WR-MW-02	12/13/06	< 50 U	< 50 U	< 300 U	< 0.50 U	< 0.50 U	–	< 10 U	< 0.50 U	–	< 0.50 U
WR-MW-02	03/26/07	–	–	–	< 0.50 U	< 0.50 U	–	< 10 U	< 0.50 U	–	< 0.50 U
WR-MW-02	06/12/07	–	–	–	< 0.50 U	< 0.50 U	–	< 10 U	< 0.50 U	–	< 0.50 U
WR-MW-02	09/25/07	–	–	–	< 0.50 U	< 0.50 U	–	< 10 U	< 0.50 U	–	< 0.50 U
WR-MW-02	12/13/07	< 50 U	< 50 U	< 300 U	< 0.50 U	< 0.50 U	–	< 10 U	< 0.50 U	–	< 0.50 U

Table B-1. Historical Groundwater Monitoring Results - Organics

Analyte		TPH-Diesel	TPH-Gas	TPH-Oil	1,1,1-TCA	1,1-DCE	4-Methyl phenol	Acetone	Benzene	bis(2-Ethylhexyl)-Phthalate	Bromodichloro-methane
Units		µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
California MCL		N/A	N/A	N/A	200	6	N/A	N/A	1	4	80
Historical MCL Exceedances?		No	No	No	No	No	No	No	Yes	Yes	No
Well ID	**Sampled**										
WR-MW-02	03/26/08	< 50 U	< 50 U	< 300 U	< 0.50 U	< 0.50 U	–	< 10 U	< 0.50 U	–	< 0.50 U
WR-MW-02	10/07/08	–	–	–	< 0.50 U	< 0.50 U	–	< 10 U	< 0.50 U	–	< 0.50 U
WR-MW-02	04/09/09	–	–	–	< 0.50 U	< 0.50 U	–	< 10 U	< 0.50 U	–	< 0.50 U
WR-MW-02	09/28/09	–	–	–	< 0.50 U	< 0.50 U	–	< 10 U	< 0.50 U	–	< 0.50 U
WR-MW-02	07/01/10	–	–	–	< 0.50 U	< 0.50 U	–	< 10 U	< 0.50 U	–	< 0.50 U
WR-MW-02	01/27/11	–	–	–	< 0.50 U	< 0.50 U	–	< 10 U	< 0.50 U	–	< 0.50 U
WR-MW-02	06/20/11	–	–	–	< 0.50 U	< 0.50 U	–	< 10 U	< 0.50 U	–	< 0.50 U
WR-MW-02	01/11/12	–	–	–	< 0.50 U	< 0.50 U	–	< 10 U	< 0.50 U	–	< 0.50 U
WR-MW-02	06/27/12	–	–	–	< 0.50 U	< 0.50 U	–	< 10 U	< 0.50 U	–	< 0.50 U
WR-MW-02	01/04/13	–	–	–	< 0.50 U	< 0.50 U	–	< 10 U	< 0.50 U	–	< 0.50 U
WR-MW-02	06/26/13	–	–	–	< 0.50 U	< 0.50 U	–	< 10 U	< 0.50 U	–	< 0.50 U
WR-MW-02	12/04/13	–	–	–	< 0.50 U	< 0.50 U	–	< 10 U	< 0.50 U	–	< 0.50 U
WR-MW-02	07/01/14	–	–	–	< 0.50 U	< 0.50 U	–	< 10 U	< 0.50 U	–	< 0.50 U
WR-MW-02	11/04/14	–	–	–	< 0.50 U	< 0.50 U	–	< 10 U	< 0.50 U	–	< 0.50 U
WR-MW-02	09/28/16	–	–	–	< 0.40 U	< 0.20 U	–	80	< 0.20 U	–	< 0.20 U
WR-MW-02	12/21/16	–	–	–	0.40 J	0.20 J	–	92 J	0.20 J	–	0.20 J
WR-MW-02	06/28/17	–	–	–	< 0.40 U	< 0.40 U	–	17 J	< 0.20 U	–	< 0.40 U
WR-MW-02	12/19/17	–	–	–	< 0.40 U	< 0.40 U	–	120	< 0.20 U	–	< 0.40 U
WR-MW-02	12/14/18	–	–	–	< 0.50 U	< 0.50 U	–	87 J	< 0.50 U	–	< 0.50 U
WR-MW-02	12/14/18	–	–	–	< 0.40 U	< 0.40 U	–	25	< 0.20 U	–	< 0.40 U
WR-MW-02	06/25/19	–	–	–	< 0.40 U	< 0.40 U	–	21 J	< 0.20 U	–	< 0.20 U
WR-MW-02	12/30/19	–	–	–	< 0.40 U	< 0.40 U	–	< 34 UJ	< 0.20 U	–	< 0.40 U
WR-MW-02	05/07/20	–	–	–	< 0.40 U	< 0.40 U	–	16	< 0.20 U	–	< 0.40 U
WR-MW-02	11/18/20	–	–	–	< 0.20 U	< 0.20 U	–	27 J	< 0.20 U	–	< 0.30 U
WR-MW-03	07/27/01	50	20 J	90 J	< 5 U	< 0.40 U	–	< 20 U	< 0.40 U	–	< 0.50 U
WR-MW-03	01/03/02	–	–	–	< 0.50 U	< 0.50 U	< 10 U	–	< 0.50 U	< 10 U	< 0.50 U
WR-MW-03	04/18/02	–	< 50 U	–	< 0.50 U	< 0.50 U	10 R	< 10 U	< 0.50 U	< 10 U	< 0.50 U
WR-MW-03	08/13/02	< 50 UJ	< 50 U	–	< 0.50 U	< 0.50 U	< 10 U	2.2 J	< 0.50 U	< 10 U	< 0.50 U
WR-MW-03	11/13/02	–	–	–	< 0.50 U	< 0.50 U	–	1.8 J	< 0.50 U	–	< 0.50 U
WR-MW-03	02/08/03	–	–	–	< 0.50 U	< 0.50 U	–	< 10 U	< 0.50 U	–	< 0.50 U
WR-MW-03	05/27/03	–	–	–	< 0.50 U	< 0.50 U	–	< 10 U	< 0.50 U	–	< 0.50 U

Table B-1. Historical Groundwater Monitoring Results - Organics

	Analyte	TPH-Diesel	TPH-Gas	TPH-Oil	1,1,1-TCA	1,1-DCE	4-Methyl phenol	Acetone	Benzene	bis(2-Ethylhexyl)-Phthalate	Bromodichloro-methane
	Units	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
	California MCL	N/A	N/A	N/A	200	6	N/A	N/A	1	4	80
	Historical MCL Exceedances?	No	No	No	No	No	No	No	Yes	Yes	No
Well ID	**Sampled**										
WR-MW-03	08/05/03	< 50 U	< 50 U	–	< 0.50 U	< 0.50 U	< 9.9 U	< 10 U	< 0.50 U	< 9.9 U	< 0.50 U
WR-MW-03	11/10/03	< 130 U	< 50 U	–	< 0.50 U	< 0.50 U	< 9.8 U	< 10 U	< 0.50 U	< 9.8 U	< 0.50 U
WR-MW-03	12/07/04	< 50 U	< 50 U	< 300 U	< 0.50 U	< 0.50 U	< 9.5 U	< 10 U	< 0.50 U	< 9.5 U	< 0.50 U
WR-MW-03	12/08/05	< 50 U	< 50 U	< 300 U	< 0.50 U	< 0.50 U	< 9.5 U	< 10 U	< 0.50 U	< 9.5 U	< 0.50 U
WR-MW-03	12/14/06	–	–	–	< 0.50 U	< 0.50 U	–	< 10 U	< 0.50 U	–	< 0.50 U
WR-MW-03	12/13/07	–	–	–	< 0.50 U	< 0.50 U	–	< 10 U	< 0.50 U	–	< 0.50 U
WR-MW-03	10/07/08	–	–	–	< 0.50 U	< 0.50 U	–	39	< 0.50 U	–	< 0.50 U
WR-MW-04A	10/03/02	< 50 U	< 50 U	–	< 0.50 U	< 0.50 U	< 10 U	2.6 J	< 0.50 U	< 10 U	0.19 J
WR-MW-04A	02/08/03	–	–	–	< 0.50 U	< 0.50 U	–	< 10 U	< 0.50 U	–	< 0.50 U
WR-MW-04A	05/22/03	–	–	–	< 0.50 U	< 0.50 U	–	< 10 U	< 0.50 U	–	< 0.50 U
WR-MW-04A	08/05/03	–	–	–	< 0.50 U	< 0.50 U	–	< 10 U	< 0.50 U	–	< 0.50 U
WR-MW-04A	11/10/03	–	–	–	< 0.50 U	< 0.50 U	–	< 10 U	< 0.50 U	–	< 0.50 U
WR-MW-04A	12/08/04	–	–	–	< 0.50 U	< 0.50 U	–	< 10 U	< 0.50 U	–	< 0.50 U
WR-MW-04A	12/08/04	–	–	–	< 0.50 U	< 0.50 U	–	< 10 U	< 0.50 U	–	< 0.50 U
WR-MW-04A	12/07/05	–	–	–	< 0.50 U	< 0.50 U	–	< 10 U	< 0.50 U	–	< 0.50 U
WR-MW-04A	03/14/06	–	–	–	< 0.50 U	< 0.50 U	–	< 10 U	< 0.50 U	–	< 0.50 U
WR-MW-04A	06/27/06	–	–	–	< 0.50 U	< 0.50 U	–	< 10 U	< 0.50 U	–	< 0.50 U
WR-MW-04A	09/26/06	–	–	–	< 0.50 U	< 0.50 U	–	< 10 U	< 0.50 U	–	< 0.50 U
WR-MW-04A	12/13/06	–	–	–	< 0.50 U	< 0.50 U	–	< 10 U	< 0.50 U	–	< 0.50 U
WR-MW-04A	03/26/07	–	–	–	< 0.50 U	< 0.50 U	–	< 10 U	< 0.50 U	–	< 0.50 U
WR-MW-04A	06/11/07	–	–	–	< 0.50 U	< 0.50 U	–	< 10 U	< 0.50 U	–	< 0.50 U
WR-MW-04A	09/25/07	–	–	–	< 0.50 U	< 0.50 U	–	< 10 U	< 0.50 U	–	< 0.50 U
WR-MW-04A	12/13/07	–	–	–	< 0.50 U	< 0.50 U	–	< 10 U	< 0.50 U	–	< 0.50 U
WR-MW-04A	03/26/08	–	–	–	< 0.50 U	< 0.50 U	–	< 10 U	< 0.50 U	–	< 0.50 U
WR-MW-04A	10/07/08	–	–	–	< 0.50 U	< 0.50 U	–	< 10 U	< 0.50 U	–	< 0.50 U
WR-MW-04A	04/08/09	–	–	–	< 0.50 U	< 0.50 U	–	< 10 U	< 0.50 U	–	< 0.50 U
WR-MW-04A	06/23/10	–	–	–	< 0.50 U	< 0.50 U	–	< 10 U	< 0.50 U	–	< 0.50 U
WR-MW-04A	02/14/11	–	–	–	< 0.50 U	< 0.50 U	–	< 10 U	< 0.50 U	–	< 0.50 U
WR-MW-04A	06/20/11	–	–	–	< 0.50 U	< 0.50 U	–	< 10 U	< 0.50 U	–	< 0.50 U
WR-MW-04A	01/10/12	–	–	–	< 0.50 U	< 0.50 U	–	< 10 U	< 0.50 U	–	< 0.50 U
WR-MW-04A	06/26/12	–	–	–	< 0.50 U	< 0.50 U	–	< 10 U	< 0.50 U	–	< 0.50 U

Table B-1. Historical Groundwater Monitoring Results - Organics

Analyte		TPH-Diesel	TPH-Gas	TPH-Oil	1,1,1-TCA	1,1-DCE	4-Methyl phenol	Acetone	Benzene	bis(2-Ethylhexyl)-Phthalate	Bromodichloro-methane
Units		µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
California MCL		N/A	N/A	N/A	200	6	N/A	N/A	1	4	80
Historical MCL Exceedances?		No	No	No	No	No	No	No	Yes	Yes	No
Well ID	**Sampled**										
WR-MW-04A	01/03/13	–	–	–	< 0.50 U	< 0.50 U	–	< 10 U	< 0.50 U	–	< 0.50 U
WR-MW-04A	06/25/13	–	–	–	< 0.50 U	< 0.50 U	–	< 10 U	< 0.50 U	–	< 0.50 U
WR-MW-04A	12/03/13	–	–	–	< 0.50 U	< 0.50 U	–	< 10 U	< 0.50 U	–	< 0.50 U
WR-MW-04A	06/30/14	–	–	–	< 0.50 U	< 0.50 U	–	< 10 U	< 0.50 U	–	< 0.50 U
WR-MW-04A	11/04/14	–	–	–	< 0.50 U	< 0.50 U	–	< 10 U	< 0.50 U	–	< 0.50 U
WR-MW-04A	09/28/16	–	–	–	< 0.40 U	< 0.20 U	–	49	< 0.20 U	–	< 0.20 U
WR-MW-04A	12/21/16	–	–	–	< 0.40 U	< 0.20 U	–	43	< 0.20 U	–	< 0.20 U
WR-MW-04A	06/28/17	–	–	–	< 0.40 U	< 0.40 U	–	30 J	< 0.20 U	–	< 0.40 U
WR-MW-04A	12/19/17	–	–	–	< 0.40 U	< 0.40 U	–	70	< 0.40 U	–	< 0.40 U
WR-MW-04A	12/19/17	–	–	–	< 0.40 U	< 0.40 U	–	62	< 0.20 U	–	< 0.40 U
WR-MW-04A	06/14/18	–	–	–	< 0.40 U	< 0.40 U	–	22	0.10 J	–	< 0.20 U
WR-MW-04A	12/14/18	–	–	–	< 0.50 U	< 0.50 U	–	120 J	< 0.50 U	–	< 0.50 U
WR-MW-04A	06/25/19	–	–	–	< 0.40 U	< 0.40 U	–	25 J	< 0.20 U	–	< 0.20 U
WR-MW-04A	12/30/19	–	–	–	< 0.40 U	< 0.40 U	–	< 20 UJ	< 0.20 U	–	< 0.40 U
WR-MW-04A	05/07/20	–	–	–	< 0.40 U	< 0.40 U	–	29	< 0.20 U	–	< 0.40 U
WR-MW-04A	11/18/20	–	–	–	< 0.20 U	< 0.20 U	–	90 J	< 0.20 U	–	< 0.20 U
WR-MW-04A	12/16/21	–	–	–	< 0.16 U	< 0.20 U	–	< 8 U	< 0.16 U	–	< 0.30 U
WR-MW-04A	06/08/22	–	–	–	< 0.16 U	< 0.20 U	–	< 8 U	< 0.16 U	–	< 0.30 U
WR-MW-04B	10/03/02	< 50 UJ	< 50 U	–	< 0.50 U	0.083 J	< 10 U	< 10 U	< 0.50 U	**4.1 J**	< 0.50 U
WR-MW-04B	02/09/03	–	–	–	< 0.50 U	< 0.50 U	–	< 10 U	< 0.50 U	–	< 0.50 U
WR-MW-04B	05/22/03	–	–	–	< 0.50 U	< 0.50 U	–	< 10 U	< 0.50 U	–	< 0.50 U
WR-MW-04B	08/05/03	–	–	–	< 0.50 U	< 0.50 U	–	< 10 U	< 0.50 U	–	< 0.50 U
WR-MW-04B	11/10/03	–	–	–	< 0.50 U	< 0.50 U	–	< 10 U	< 0.50 U	–	< 0.50 U
WR-MW-04B	12/08/04	–	–	–	< 0.50 U	< 0.50 U	–	< 10 U	< 0.50 U	–	< 0.50 U
WR-MW-05A	10/02/02	< 50 U	< 50 U	–	< 2.5 U	< 2.5 U	< 10 U	< 50 UJ	< 2.5 U	< 10 U	< 2.5 U
WR-MW-05A	02/12/03	–	–	–	< 0.50 U	< 0.50 U	–	< 10 U	< 0.50 U	–	< 0.50 U
WR-MW-05A	06/26/03	–	–	–	< 0.50 U	< 0.50 U	–	< 10 U	< 0.50 U	–	< 0.50 U
WR-MW-05A	08/06/03	< 50 U	< 50 U	–	< 0.50 U	< 0.50 U	< 9.5 U	< 10 U	< 0.50 U	< 9.5 U	< 0.50 U
WR-MW-05A	08/06/03	< 50 U	< 50 U	–	< 0.50 U	< 0.50 U	< 9.4 U	< 10 U	< 0.50 U	< 9.4 U	< 0.50 U
WR-MW-05A	11/11/03	< 250 U	< 50 U	–	< 0.50 U	< 0.50 U	< 9.4 U	< 10 U	< 0.50 U	< 9.4 U	< 0.50 U
WR-MW-05A	02/10/04	< 50 U	51	–	< 0.50 U	< 0.50 U	< 9.4 U	< 10 U	< 0.50 U	< 9.4 U	< 0.50 U

Table B-1. Historical Groundwater Monitoring Results - Organics

	Analyte	TPH-Diesel	TPH-Gas	TPH-Oil	1,1,1-TCA	1,1-DCE	4-Methyl phenol	Acetone	Benzene	bis(2-Ethylhexyl)-Phthalate	Bromodichloro-methane
	Units	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
	California MCL	N/A	N/A	N/A	200	6	N/A	N/A	1	4	80
	Historical MCL Exceedances?	No	No	No	No	No	No	No	Yes	Yes	No
Well ID	**Sampled**										
WR-MW-05A	02/10/04	< 50 U	< 50 U	–	< 0.50 U	< 0.50 U	< 9.4 U	< 10 U	< 0.50 U	< 9.4 U	< 0.50 U
WR-MW-05A	05/25/04	< 50 U	52	–	< 0.50 U	< 0.50 U	< 9.4 U	< 10 U	< 0.50 U	< 9.4 U	< 0.50 U
WR-MW-05A	05/25/04	< 50 U	< 50 U	–	< 0.50 U	< 0.50 U	< 9.4 U	< 10 U	< 0.50 U	< 9.4 U	< 0.50 U
WR-MW-05A	09/02/04	< 50 U	55	–	< 0.50 U	< 0.50 U	57	< 10 U	< 0.50 U	< 20 U	< 0.50 U
WR-MW-05A	12/08/04	< 50 U	< 50 U	< 300 U	< 0.50 U	< 0.50 U	< 9.5 U	< 10 U	< 0.50 U	< 9.5 U	< 0.50 U
WR-MW-05A	03/01/05	< 50 U	59	< 300 U	< 0.50 U	< 0.50 U	< 9.5 U	< 10 U	< 0.50 U	< 9.5 U	< 0.50 U
WR-MW-05A	06/07/05	< 50 U	97	< 300 U	< 0.50 U	< 0.50 U	< 9.5 U	< 10 U	< 0.50 U	< 9.5 U	< 0.50 U
WR-MW-05A	09/14/05	69	< 50 U	< 300 U	< 0.50 U	< 0.50 U	< 9.5 U	< 10 U	< 0.50 U	< 9.5 U	< 0.50 U
WR-MW-05A	09/14/05	< 50 U	< 50 U	< 300 U	< 0.50 U	< 0.50 U	< 9.8 U	< 10 U	< 0.50 U	< 9.8 U	< 0.50 U
WR-MW-05A	12/06/05	81	< 50 U	< 300 U	< 0.50 U	< 0.50 U	< 9.4 U	< 10 U	< 0.50 U	< 9.4 U	< 0.50 U
WR-MW-05A	03/14/06	1200	63	< 300 U	< 0.50 U	< 0.50 U	< 940 U	45	< 0.50 U	< 940 U	< 0.50 U
WR-MW-05A	03/14/06	1100	58	< 300 U	< 0.50 U	< 0.50 U	< 990 U	45	< 0.50 U	< 990 U	< 0.50 U
WR-MW-05A	03/27/06	–	–	–	< 2.5 U	< 2.5 U	–	< 50 U	< 2.5 U	–	< 2.5 U
WR-MW-05A	03/27/06	–	–	–	< 2.5 U	< 2.5 U	–	< 50 U	< 2.5 U	–	< 2.5 U
WR-MW-05A	06/26/06	–	–	–	< 0.50 U	< 0.50 U	–	88	< 0.50 U	–	< 0.50 U
WR-MW-05A	09/26/06	–	–	–	< 1 U	< 1 U	–	180	< 1 U	–	< 1 U
WR-MW-05A	12/13/06	4600	< 50 U	710	< 0.50 U	< 0.50 U	–	39	< 0.50 U	–	< 0.50 U
WR-MW-05A	06/12/07	–	–	–	< 0.50 U	< 0.50 U	–	< 10 U	< 0.50 U	–	< 0.50 U
WR-MW-05A	09/25/07	–	–	–	< 0.50 U	< 0.50 U	–	< 10 U	< 0.50 U	–	< 0.50 U
WR-MW-05A	12/13/07	7800	69	1400	< 2 U	< 2 U	–	< 40 U	< 2 U	–	< 2 U
WR-MW-05A	03/27/08	–	–	–	< 2 U	< 2 U	–	< 40 U	< 2 U	–	< 2 U
WR-MW-05A	10/08/08	–	–	–	< 0.50 U	< 0.50 U	–	< 10 U	< 0.50 U	–	< 0.50 U
WR-MW-05A	04/09/09	180	< 50 U	< 300 U	< 0.50 U	< 0.50 U	–	< 10 U	< 0.50 U	–	< 0.50 U
WR-MW-05A	06/23/10	900	< 50 U	420	< 0.50 U	< 0.50 U	–	< 10 U	< 0.50 U	–	< 0.50 U
WR-MW-05A	01/26/11	550	69	< 300 U	< 0.50 U	< 0.50 U	–	< 10 U	< 0.50 U	–	< 0.50 U
WR-MW-05A	06/20/11	450	< 50 U	< 300 U	< 0.50 U	< 0.50 U	–	< 10 U	< 0.50 U	–	< 0.50 U
WR-MW-05A	01/10/12	340	< 50 U	< 300 U	< 0.50 U	< 0.50 U	–	< 10 U	< 0.50 U	–	< 0.50 U
WR-MW-05A	06/26/12	120	< 50 U	< 300 U	< 0.50 U	< 0.50 U	–	< 10 U	< 0.50 U	–	< 0.50 U
WR-MW-05A	01/03/13	< 53 U	< 50 U	< 320 U	< 0.50 U	< 0.50 U	–	< 10 U	< 0.50 U	–	< 0.50 U
WR-MW-05A	06/25/13	240	< 50 U	< 320 U	< 0.50 U	< 0.50 U	–	< 10 U	< 0.50 U	–	< 0.50 U
WR-MW-05A	12/03/13	52	< 50 U	< 310 U	< 0.50 U	< 0.50 U	–	< 10 U	< 0.50 U	–	< 0.50 U

Table B-1. Historical Groundwater Monitoring Results - Organics

	Analyte	TPH-Diesel	TPH-Gas	TPH-Oil	1,1,1-TCA	1,1-DCE	4-Methyl phenol	Acetone	Benzene	bis(2-Ethylhexyl)-Phthalate	Bromodichloro-methane
	Units	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
	California MCL	N/A	N/A	N/A	200	6	N/A	N/A	1	4	80
	Historical MCL Exceedances?	No	No	No	No	No	No	No	Yes	Yes	No
Well ID	**Sampled**										
WR-MW-05A	06/30/14	160	< 50 U	< 300 U	< 0.50 U	< 0.50 U	–	< 10 U	< 0.50 U	–	< 0.50 U
WR-MW-05A	11/04/14	300	< 50 U	< 300 U	< 0.50 U	< 0.50 U	–	< 10 U	< 0.50 U	–	< 0.50 U
WR-MW-05A	09/28/16	–	–	–	< 0.40 U	< 0.20 U	–	68	< 0.20 U	–	< 0.20 U
WR-MW-05A	12/21/16	–	–	–	< 0.40 U	< 0.20 U	–	62	< 0.20 U	–	< 0.20 U
WR-MW-05A	06/28/17	–	–	–	< 0.40 U	< 0.40 U	–	28 J	< 0.20 U	–	< 0.40 U
WR-MW-05A	12/19/17	–	–	–	< 0.40 U	< 0.40 U	–	94	< 0.20 U	–	< 0.40 U
WR-MW-05A	06/14/18	–	–	–	< 0.40 U	< 0.40 U	–	18 J	0.20 J	–	< 0.20 U
WR-MW-05A	12/14/18	–	–	–	< 0.50 U	< 0.50 U	–	44 J	< 0.50 U	–	< 0.50 U
WR-MW-05A	06/25/19	–	–	–	< 0.40 U	< 0.40 U	–	31 J	< 0.20 U	–	< 0.20 U
WR-MW-05A	12/30/19	–	–	–	< 0.40 U	< 0.40 U	–	< 3.7 UJ	< 0.20 U	–	< 0.40 U
WR-MW-05A	05/07/20	–	–	–	< 0.40 U	< 0.40 U	–	23	< 0.20 U	–	< 0.40 U
WR-MW-05A	11/18/20	–	–	–	< 0.20 U	< 0.20 U	–	11 J	< 0.20 U	–	< 0.20 U
WR-MW-05A	12/16/21	–	–	–	< 0.16 U	< 0.20 U	–	< 8 U	< 0.16 U	–	< 0.30 U
WR-MW-05A	06/08/22	–	–	–	< 0.16 U	< 0.20 U	–	< 8 U	< 0.16 U	–	< 0.30 U
WR-MW-05B	09/30/02	< 500 U	< 50 U	–	< 0.50 U	0.16 J	< 10 U	< 10 UJ	< 0.50 U	< 10 U	< 0.50 U
WR-MW-05B	02/09/03	–	–	–	< 0.50 U	0.80	–	< 10 U	< 0.50 U	–	< 0.50 U
WR-MW-05B	05/29/03	–	–	–	< 0.50 U	0.9 J+	–	< 10 U	< 0.50 U	–	< 0.50 U
WR-MW-05B	08/06/03	–	–	–	< 0.50 U	0.70	–	< 10 U	< 0.50 U	–	< 0.50 U
WR-MW-05B	11/10/03	–	–	–	< 0.50 U	1.0	–	< 10 U	< 0.50 U	–	< 0.50 U
WR-MW-05B	12/08/04	–	–	–	< 0.50 U	1.7	–	< 10 U	< 0.50 U	–	< 0.50 U
WR-MW-05B	12/07/05	–	–	–	< 0.50 U	0.70	–	< 10 U	< 0.50 U	–	< 0.50 U
WR-MW-05B	12/13/06	–	–	–	< 0.50 U	< 0.50 U	–	< 10 U	< 0.50 U	–	< 0.50 U
WR-MW-06A	10/03/02	< 50 U	< 50 U	–	< 0.50 U	< 0.50 U	< 10 U	< 10 U	< 0.50 U	< 10 U	< 0.50 U
WR-MW-06A	02/08/03	–	–	–	< 0.50 U	< 0.50 U	–	< 10 U	< 0.50 U	–	< 0.50 U
WR-MW-06A	05/22/03	–	–	–	< 0.50 U	< 0.50 U	–	< 10 U	< 0.50 U	–	< 0.50 U
WR-MW-06A	08/06/03	–	–	–	< 0.50 U	< 0.50 U	–	< 10 U	< 0.50 U	–	< 0.50 U
WR-MW-06A	11/11/03	–	–	–	< 0.50 U	< 0.50 U	–	< 10 U	< 0.50 U	–	< 0.50 U
WR-MW-06A	12/09/04	–	–	–	< 0.50 U	< 0.50 U	–	< 10 U	< 0.50 U	–	< 0.50 U
WR-MW-06A	12/07/05	–	–	–	< 0.50 U	< 0.50 U	–	< 10 U	< 0.50 U	–	< 0.50 U
WR-MW-06A	12/13/06	–	–	–	< 0.50 U	< 0.50 U	–	< 10 U	< 0.50 U	–	< 0.50 U
WR-MW-06A	12/13/07	–	–	–	< 0.50 U	< 0.50 U	–	< 10 U	< 0.50 U	–	< 0.50 U

Table B-1. Historical Groundwater Monitoring Results - Organics

	Analyte	TPH-Diesel	TPH-Gas	TPH-Oil	1,1,1-TCA	1,1-DCE	4-Methyl phenol	Acetone	Benzene	bis(2-Ethylhexyl)-Phthalate	Bromodichloro-methane
	Units	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
	California MCL	N/A	N/A	N/A	200	6	N/A	N/A	1	4	80
	Historical MCL Exceedances?	No	No	No	No	No	No	No	Yes	Yes	No
Well ID	**Sampled**										
WR-MW-06A	10/07/08	–	–	–	< 0.50 U	< 0.50 U	–	< 10 U	< 0.50 U	–	< 0.50 U
WR-MW-06B	09/30/02	< 50 UJ-	< 50 U	–	< 0.50 U	< 0.50 U	< 10 U	< 10 UJ	< 0.50 U	< 10 U	< 0.50 U
WR-MW-06B	02/09/03	–	–	–	< 0.50 U	< 0.50 U	–	< 10 U	< 0.50 U	–	< 0.50 U
WR-MW-06B	05/22/03	–	–	–	< 0.50 U	< 0.50 U	–	< 10 U	< 0.50 U	–	< 0.50 U
WR-MW-06B	08/06/03	–	–	–	< 0.50 U	< 0.50 U	–	< 10 U	< 0.50 U	–	< 0.50 U
WR-MW-06B	11/11/03	–	–	–	< 0.50 U	< 0.50 U	–	< 10 U	< 0.50 U	–	< 0.50 U
WR-MW-06B	12/09/04	–	–	–	< 0.50 U	< 0.50 U	–	< 10 U	< 0.50 U	–	< 0.50 U
WR-MW-06B	12/07/05	–	–	–	< 0.50 U	< 0.50 U	–	< 10 U	< 0.50 U	–	< 0.50 U
WR-MW-06B	12/13/06	–	–	–	< 0.50 U	< 0.50 U	–	< 10 U	< 0.50 U	–	< 0.50 U
WR-MW-06B	12/13/07	–	–	–	< 0.50 U	< 0.50 U	–	< 10 U	< 0.50 U	–	< 0.50 U
WR-MW-07A	10/03/02	< 50 U	< 50 U	–	< 0.50 U	< 0.50 U	< 10 U	< 10 U	< 0.50 U	< 10 U	< 0.50 U
WR-MW-07A	02/12/03	–	–	–	< 0.50 U	< 0.50 U	–	< 10 U	< 0.50 U	–	< 0.50 U
WR-MW-07A	05/28/03	–	–	–	< 0.50 U	< 0.50 U	–	< 10 U	< 0.50 U	–	< 0.50 U
WR-MW-07A	08/06/03	–	–	–	< 0.50 U	< 0.50 U	–	< 10 U	< 0.50 U	–	< 0.50 U
WR-MW-07A	11/11/03	–	–	–	< 0.50 U	< 0.50 U	–	< 10 U	< 0.50 U	–	< 0.50 U
WR-MW-07A	02/10/04	–	–	–	< 0.50 U	< 0.50 U	–	< 10 U	< 0.50 U	–	< 0.50 U
WR-MW-07A	05/24/04	–	–	–	< 0.50 U	< 0.50 U	–	< 10 U	< 0.50 U	–	< 0.50 U
WR-MW-07A	09/03/04	–	–	–	< 0.50 U	< 0.50 U	–	< 10 U	< 0.50 U	–	< 0.50 U
WR-MW-07A	12/07/04	–	–	–	< 0.50 U	< 0.50 U	–	< 10 U	< 0.50 U	–	< 0.50 U
WR-MW-07A	03/02/05	–	–	–	< 0.50 U	< 0.50 U	–	< 10 U	< 0.50 U	–	< 0.50 U
WR-MW-07A	06/07/05	–	–	–	< 0.50 U	< 0.50 U	–	< 10 U	< 0.50 U	–	< 0.50 U
WR-MW-07A	09/14/05	–	–	–	< 0.50 U	< 0.50 U	–	< 10 U	< 0.50 U	–	< 0.50 U
WR-MW-07A	12/08/05	–	–	–	< 0.50 U	< 0.50 U	–	< 10 U	< 0.50 U	–	< 0.50 U
WR-MW-07A	03/14/06	–	–	–	< 0.50 U	< 0.50 U	–	< 10 U	< 0.50 U	–	< 0.50 U
WR-MW-07A	06/27/06	–	–	–	< 0.50 U	< 0.50 U	–	< 10 U	< 0.50 U	–	< 0.50 U
WR-MW-07A	09/25/06	–	–	–	< 0.50 U	< 0.50 U	–	< 10 U	< 0.50 U	–	< 0.50 U
WR-MW-07A	12/13/06	–	–	–	< 0.50 U	< 0.50 U	–	< 10 U	< 0.50 U	–	< 0.50 U
WR-MW-07A	03/26/07	–	–	–	< 0.50 U	< 0.50 U	–	< 10 U	< 0.50 U	–	< 0.50 U
WR-MW-07A	06/12/07	–	–	–	< 0.50 U	< 0.50 U	–	< 10 U	< 0.50 U	–	< 0.50 U
WR-MW-07A	09/25/07	–	–	–	< 0.50 U	< 0.50 U	–	< 10 U	< 0.50 U	–	< 0.50 U
WR-MW-07A	12/13/07	–	–	–	< 0.50 U	< 0.50 U	–	< 10 U	< 0.50 U	–	< 0.50 U

Table B-1. Historical Groundwater Monitoring Results - Organics

Analyte		TPH-Diesel	TPH-Gas	TPH-Oil	1,1,1-TCA	1,1-DCE	4-Methyl phenol	Acetone	Benzene	bis(2-Ethylhexyl)-Phthalate	Bromodichloro-methane
Units		µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
California MCL		N/A	N/A	N/A	200	6	N/A	N/A	1	4	80
Historical MCL Exceedances?		No	No	No	No	No	No	No	Yes	Yes	No
Well ID	**Sampled**										
WR-MW-07A	03/26/08	–	–	–	< 0.50 U	< 0.50 U	–	< 10 U	< 0.50 U	–	< 0.50 U
WR-MW-07A	10/07/08	–	–	–	< 0.50 U	< 0.50 U	–	< 10 U	< 0.50 U	–	< 0.50 U
WR-MW-07A	04/07/09	–	–	–	< 0.50 U	< 0.50 U	–	< 10 U	< 0.50 U	–	< 0.50 U
WR-MW-07A	06/24/10	–	–	–	< 0.50 U	< 0.50 U	–	< 10 U	< 0.50 U	–	< 0.50 U
WR-MW-08A	10/03/02	< 50 U	< 50 U	–	< 0.50 U	< 0.50 U	< 10 U	< 10 U	< 0.50 U	**5.9 J**	< 0.50 U
WR-MW-08A	02/08/03	–	–	–	< 0.50 U	< 0.50 U	–	< 10 U	< 0.50 U	–	< 0.50 U
WR-MW-08A	05/27/03	–	–	–	< 0.50 U	< 0.50 U	–	< 10 U	< 0.50 U	–	< 0.50 U
WR-MW-08A	08/05/03	–	–	–	< 0.50 U	< 0.50 U	–	< 10 U	< 0.50 U	–	< 0.50 U
WR-MW-08A	11/10/03	–	–	–	< 0.50 U	< 0.50 U	–	< 10 U	< 0.50 U	–	< 0.50 U
WR-MW-08A	02/10/04	–	–	–	< 0.50 U	< 0.50 U	–	< 10 U	< 0.50 U	–	< 0.50 U
WR-MW-08A	05/25/04	–	–	–	< 0.50 U	< 0.50 U	–	< 10 U	< 0.50 U	–	< 0.50 U
WR-MW-08A	09/03/04	–	–	–	< 0.50 U	< 0.50 U	–	< 10 U	< 0.50 U	–	< 0.50 U
WR-MW-08A	12/08/04	–	–	–	< 0.50 U	< 0.50 U	–	< 10 U	< 0.50 U	–	< 0.50 U
WR-MW-08A	03/02/05	–	–	–	< 0.50 U	< 0.50 U	–	< 10 U	< 0.50 U	–	< 0.50 U
WR-MW-08A	06/07/05	–	–	–	< 0.50 U	< 0.50 U	–	< 10 U	< 0.50 U	–	< 0.50 U
WR-MW-08A	09/14/05	–	–	–	< 0.50 U	< 0.50 U	–	< 10 U	< 0.50 U	–	< 0.50 U
WR-MW-08A	12/06/05	–	–	–	< 0.50 U	< 0.50 U	–	< 10 U	< 0.50 U	–	< 0.50 U
WR-MW-08A	03/14/06	–	–	–	< 0.50 U	< 0.50 U	–	< 10 U	< 0.50 U	–	< 0.50 U
WR-MW-08A	06/27/06	–	–	–	< 0.50 U	< 0.50 U	–	< 10 U	< 0.50 U	–	< 0.50 U
WR-MW-08A	09/26/06	–	–	–	< 0.50 U	< 0.50 U	–	< 10 U	< 0.50 U	–	< 0.50 U
WR-MW-08A	12/13/06	–	–	–	< 0.50 U	< 0.50 U	–	27	< 0.50 U	–	< 0.50 U
WR-MW-08A	03/26/07	–	–	–	< 0.50 U	< 0.50 U	–	< 10 U	< 0.50 U	–	< 0.50 U
WR-MW-08A	06/11/07	–	–	–	< 0.50 U	< 0.50 U	–	< 10 U	< 0.50 U	–	< 0.50 U
WR-MW-08A	09/25/07	–	–	–	< 0.50 U	< 0.50 U	–	< 10 U	< 0.50 U	–	< 0.50 U
WR-MW-08A	12/13/07	–	–	–	< 0.50 U	< 0.50 U	–	< 10 U	< 0.50 U	–	< 0.50 U
WR-MW-08A	03/26/08	–	–	–	< 0.50 U	< 0.50 U	–	< 10 U	< 0.50 U	–	< 0.50 U
WR-MW-08A	10/07/08	–	–	–	< 0.50 U	< 0.50 U	–	< 10 U	< 0.50 U	–	< 0.50 U
WR-MW-08A	04/09/09	–	–	–	< 0.50 U	< 0.50 U	–	< 10 U	< 0.50 U	–	< 0.50 U
WR-MW-08A	06/24/10	–	–	–	< 0.50 U	< 0.50 U	–	< 10 U	< 0.50 U	–	< 0.50 U
WR-MW-08A	01/27/11	–	–	–	< 0.50 U	< 0.50 U	–	< 10 U	< 0.50 U	–	< 0.50 U
WR-MW-08A	06/20/11	–	–	–	< 0.50 U	< 0.50 U	–	< 10 U	< 0.50 U	–	< 0.50 U

Table B-1. Historical Groundwater Monitoring Results - Organics

Analyte		TPH-Diesel	TPH-Gas	TPH-Oil	1,1,1-TCA	1,1-DCE	4-Methyl phenol	Acetone	Benzene	bis(2-Ethylhexyl)-Phthalate	Bromodichloro-methane
Units		µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
California MCL		N/A	N/A	N/A	200	6	N/A	N/A	1	4	80
Historical MCL Exceedances?		No	No	No	No	No	No	No	Yes	Yes	No
Well ID	**Sampled**										
WR-MW-08A	01/11/12	–	–	–	< 0.50 U	< 0.50 U	–	< 10 U	< 0.50 U	–	< 0.50 U
WR-MW-08A	06/26/12	–	–	–	< 0.50 U	< 0.50 U	–	< 10 U	< 0.50 U	–	< 0.50 U
WR-MW-08A	01/03/13	–	–	–	< 0.50 U	< 0.50 U	–	< 10 U	< 0.50 U	–	< 0.50 U
WR-MW-08A	06/25/13	–	–	–	< 0.50 U	< 0.50 U	–	< 10 U	< 0.50 U	–	< 0.50 U
WR-MW-08A	12/03/13	–	–	–	< 0.50 U	< 0.50 U	–	< 10 U	< 0.50 U	–	< 0.50 U
WR-MW-08A	06/30/14	–	–	–	< 0.50 U	< 0.50 U	–	< 10 U	< 0.50 U	–	< 0.50 U
WR-MW-08A	11/05/14	–	–	–	< 0.50 U	< 0.50 U	–	< 10 U	< 0.50 U	–	< 0.50 U
WR-MW-08A	09/28/16	–	–	–	< 0.40 U	< 0.20 U	–	96	< 0.20 U	–	< 0.20 U
WR-MW-08A	12/21/16	–	–	–	< 0.40 U	< 0.20 U	–	46	< 0.20 U	–	0.50
WR-MW-08A	06/28/17	–	–	–	< 0.40 U	< 0.40 U	–	5 J	< 0.20 U	–	0.30 J
WR-MW-08A	12/19/17	–	–	–	< 0.40 U	< 0.40 U	–	38	< 0.20 U	–	< 0.40 U
WR-MW-08A	06/14/18	–	–	–	< 0.40 U	< 0.40 U	–	21 J	< 0.20 U	–	< 0.20 U
WR-MW-08A	12/14/18	–	–	–	< 0.50 U	< 0.50 U	–	110 J	< 0.50 U	–	< 0.50 U
WR-MW-08A	06/25/19	–	–	–	< 0.40 U	< 0.40 U	–	24 J	< 0.20 U	–	< 0.20 U
WR-MW-08A	12/30/19	–	–	–	< 0.40 U	< 0.40 U	–	< 4 UJ	< 0.20 U	–	< 0.40 U
WR-MW-08A	05/07/20	–	–	–	< 0.40 U	< 0.40 U	–	27	< 0.20 U	–	< 0.40 U
WR-MW-08A	11/18/20	–	–	–	< 0.20 U	< 0.20 U	–	8.4 J	< 0.20 U	–	< 0.20 U
WR-MW-08A	12/16/21	–	–	–	< 0.16 U	< 0.20 U	–	< 8 U	< 0.16 U	–	< 0.30 U
WR-MW-08A	12/16/21	–	–	–	< 0.16 U	< 0.20 U	–	< 8 U	< 0.16 U	–	< 0.30 U
WR-MW-08A	06/08/22	–	–	–	< 0.16 U	< 0.20 U	–	< 8 U	< 0.16 U	–	< 0.30 U
WR-MW-08A	06/08/22	–	–	–	< 0.16 U	< 0.20 U	–	< 8 U	< 0.16 U	–	< 0.30 U
WR-MW-09A	10/03/02	< 50 U	< 50 U	–	0.14 J	0.16 J	< 10 U	< 20 U	0.17 J	< 10 U	0.10 J
WR-MW-09A	02/12/03	–	–	–	< 0.50 U	< 0.50 U	–	< 10 U	< 0.50 U	–	< 0.50 U
WR-MW-09A	06/26/03	–	–	–	< 0.50 U	< 0.50 U	–	< 10 U	< 0.50 U	–	< 0.50 U
WR-MW-09A	08/06/03	< 50 U	< 50 U	–	< 0.50 U	< 0.50 U	< 9.6 U	< 10 U	< 0.50 U	< 9.6 U	< 0.50 U
WR-MW-09A	11/11/03	< 85 U	< 50 U	–	< 0.50 U	< 0.50 U	< 9.5 U	< 10 U	< 0.50 U	< 9.5 U	< 0.50 U
WR-MW-09A	02/10/04	< 50 U	< 50 U	–	< 0.50 U	< 0.50 U	< 9.6 U	< 10 U	< 0.50 U	< 9.6 U	< 0.50 U
WR-MW-09A	05/24/04	< 50 U	< 50 U	–	< 0.50 U	< 0.50 U	< 9.6 U	< 10 U	< 0.50 U	< 9.6 U	< 0.50 U
WR-MW-09A	09/02/04	< 300 U	< 50 U	–	< 0.50 U	< 0.50 U	< 10 U	< 10 U	< 0.50 U	< 10 U	< 0.50 U
WR-MW-09A	12/08/04	< 50 U	< 50 U	< 300 U	< 0.50 U	< 0.50 U	< 9.5 U	< 10 U	< 0.50 U	< 9.5 U	< 0.50 U
WR-MW-09A	12/08/04	< 50 U	< 50 U	< 300 U	< 0.50 U	< 0.50 U	< 10 U	< 10 U	< 0.50 U	< 10 U	< 0.50 U

Table B-1. Historical Groundwater Monitoring Results - Organics

Analyte		TPH-Diesel	TPH-Gas	TPH-Oil	1,1,1-TCA	1,1-DCE	4-Methyl phenol	Acetone	Benzene	bis(2-Ethylhexyl)-Phthalate	Bromodichloro-methane
Units		µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
California MCL		N/A	N/A	N/A	200	6	N/A	N/A	1	4	80
Historical MCL Exceedances?		No	No	No	No	No	No	No	Yes	Yes	No
Well ID	**Sampled**										
WR-MW-09A	03/01/05	< 50 U	< 50 U	< 300 U	< 0.50 U	< 0.50 U	< 9.5 U	< 10 U	< 0.50 U	< 9.5 U	< 0.50 U
WR-MW-09A	06/07/05	< 50 U	50	< 300 U	< 0.50 U	< 0.50 U	< 9.5 U	< 10 U	< 0.50 U	< 9.5 U	< 0.50 U
WR-MW-09A	09/14/05	< 50 U	< 50 U	< 300 U	< 0.50 U	< 0.50 U	< 9.7 U	< 10 U	< 0.50 U	< 9.7 U	< 0.50 U
WR-MW-09A	12/06/05	< 50 U	< 50 U	< 300 U	< 0.50 U	< 0.50 U	< 9.4 U	< 10 U	< 0.50 U	< 9.4 U	< 0.50 U
WR-MW-09A	12/06/05	< 50 U	< 50 U	< 300 U	< 0.50 U	< 0.50 U	< 9.4 U	< 10 U	< 0.50 U	< 9.4 U	< 0.50 U
WR-MW-09A	03/14/06	80	< 50 U	< 300 U	< 0.50 U	< 0.50 U	< 9.4 U	< 10 U	< 0.50 U	< 9.4 U	< 0.50 U
WR-MW-09A	06/26/06	–	–	–	< 0.50 U	< 0.50 U	–	940	< 0.50 U	–	< 0.50 U
WR-MW-09A	09/26/06	–	–	–	< 0.50 U	< 0.50 U	–	660	< 0.50 U	–	< 0.50 U
WR-MW-09A	12/13/06	97	< 50 U	< 300 U	< 0.50 U	< 0.50 U	–	84	< 0.50 U	–	< 0.50 U
WR-MW-09A	03/27/07	–	–	–	< 0.50 U	< 0.50 U	–	< 10 U	< 0.50 U	–	< 0.50 U
WR-MW-09A	07/12/07	–	–	–	< 0.50 U	< 0.50 U	–	< 10 U	< 0.50 U	–	< 0.50 U
WR-MW-09A	09/26/07	–	–	–	< 0.50 U	< 0.50 U	–	< 10 U	< 0.50 U	–	< 0.50 U
WR-MW-09A	12/12/07	180	< 50 U	< 300 U	< 0.50 U	< 0.50 U	–	< 10 U	< 0.50 U	–	< 0.50 U
WR-MW-09A	10/08/08	–	–	–	< 0.50 U	< 0.50 U	–	< 10 U	< 0.50 U	–	< 0.50 U
WR-MW-09A	04/09/09	87	< 50 U	< 300 U	< 0.50 U	< 0.50 U	–	< 10 U	< 0.50 U	–	< 0.50 U
WR-MW-09A	06/24/10	420	< 50 U	< 300 U	< 0.50 U	< 0.50 U	–	< 10 U	< 0.50 U	–	< 0.50 U
WR-MW-09A	01/26/11	410	< 50 U	< 300 U	< 0.50 U	< 0.50 U	–	< 10 U	< 0.50 U	–	< 0.50 U
WR-MW-09A	06/20/11	760	< 50 U	< 300 U	< 0.50 U	< 0.50 U	–	< 10 U	< 0.50 U	–	< 0.50 U
WR-MW-09A	01/10/12	430	< 50 U	360	< 0.50 U	< 0.50 U	–	< 10 U	< 0.50 U	–	< 0.50 U
WR-MW-09A	06/26/12	460	< 50 U	< 300 U	< 0.50 U	< 0.50 U	–	< 10 U	< 0.50 U	–	< 0.50 U
WR-MW-09A	01/03/13	480	< 50 U	< 320 U	< 0.50 U	< 0.50 U	–	< 10 U	< 0.50 U	–	< 0.50 U
WR-MW-09A	06/25/13	740	< 50 U	< 330 U	< 0.50 U	< 0.50 U	–	< 10 U	< 0.50 U	–	< 0.50 U
WR-MW-09A	12/03/13	230	< 50 U	< 320 U	< 0.50 U	< 0.50 U	–	< 10 U	< 0.50 U	–	< 0.50 U
WR-MW-09A	06/30/14	450	< 50 U	< 300 U	< 0.50 U	< 0.50 U	–	< 10 U	< 0.50 U	–	< 0.50 U
WR-MW-09A	11/04/14	190	< 50 U	< 300 U	< 0.50 U	< 0.50 U	–	< 10 U	< 0.50 U	–	< 0.50 U
WR-MW-09A	09/28/16	–	–	–	< 0.40 U	< 0.20 U	–	49	< 0.20 U	–	< 0.20 U
WR-MW-09A	12/21/16	–	–	–	0.40 J	0.20 J	–	59 J	0.20 J	–	0.20 J
WR-MW-09A	12/21/16	–	–	–	< 0.40 U	< 0.20 U	–	60	< 0.20 U	–	< 0.20 U
WR-MW-09A	06/28/17	–	–	–	< 0.40 U	< 0.40 U	–	34 J	< 0.20 U	–	< 0.40 U
WR-MW-09A	12/19/17	–	–	–	< 0.40 U	< 0.40 U	–	95	< 0.20 U	–	< 0.40 U
WR-MW-09A	06/14/18	–	–	–	< 0.40 U	< 0.40 U	–	18	< 0.20 U	–	< 0.20 U

Table B-1. Historical Groundwater Monitoring Results - Organics

	Analyte	TPH-Diesel	TPH-Gas	TPH-Oil	1,1,1-TCA	1,1-DCE	4-Methyl phenol	Acetone	Benzene	bis(2-Ethylhexyl)-Phthalate	Bromodichloro-methane
	Units	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
	California MCL	N/A	N/A	N/A	200	6	N/A	N/A	1	4	80
	Historical MCL Exceedances?	No	No	No	No	No	No	No	Yes	Yes	No
Well ID	**Sampled**										
WR-MW-09A	12/14/18	–	–	–	< 0.50 U	< 0.50 U	–	71 J	< 0.50 U	–	< 0.50 U
WR-MW-09A	06/25/19	–	–	–	< 0.40 U	< 0.40 U	–	4.8 J	< 0.20 U	–	< 0.20 U
WR-MW-09A	12/30/19	–	–	–	< 0.40 U	< 0.40 U	–	< 39 UJ	< 0.20 U	–	< 0.40 U
WR-MW-09A	05/07/20	–	–	–	< 0.40 U	< 0.40 U	–	24	< 0.20 U	–	< 0.40 U
WR-MW-09A	11/18/20	–	–	–	< 0.20 U	< 0.20 U	–	17 J	< 0.20 U	–	< 0.20 U
WR-MW-09A	12/16/21	–	–	–	< 0.16 U	< 0.20 U	–	< 8 U	< 0.16 U	–	< 0.30 U
WR-MW-09A	06/08/22	–	–	–	< 0.16 U	< 0.20 U	–	< 8 U	< 0.16 U	–	< 0.30 U
WR-MW-10A	09/03/04	–	–	–	< 0.50 U	< 0.50 U	–	< 10 U	< 0.50 U	–	< 0.50 U
WR-MW-10A	12/08/04	–	–	–	< 0.50 U	< 0.50 U	–	< 10 U	< 0.50 U	–	< 0.50 U
WR-MW-10A	03/02/05	–	–	–	< 0.50 U	< 0.50 U	–	< 10 U	< 0.50 U	–	< 0.50 U
WR-MW-10A	06/07/05	–	–	–	< 0.50 U	< 0.50 U	–	< 10 U	< 0.50 U	–	< 0.50 U
WR-MW-10A	09/13/05	–	–	–	< 0.50 U	< 0.50 U	–	< 10 U	< 0.50 U	–	< 0.50 U
WR-MW-10A	12/06/05	–	–	–	< 0.50 U	< 0.50 U	–	< 10 U	< 0.50 U	–	< 0.50 U
WR-MW-10A	03/14/06	–	–	–	< 0.50 U	< 0.50 U	–	< 10 U	< 0.50 U	–	< 0.50 U
WR-MW-10A	06/27/06	–	–	–	< 0.50 U	< 0.50 U	–	< 10 U	< 0.50 U	–	< 0.50 U
WR-MW-10A	09/25/06	–	–	–	< 0.50 U	< 0.50 U	–	< 10 U	< 0.50 U	–	< 0.50 U
WR-MW-10A	12/13/06	–	–	–	< 0.50 U	< 0.50 U	–	< 10 U	< 0.50 U	–	< 0.50 U
WR-MW-10A	03/26/07	–	–	–	< 0.50 U	< 0.50 U	–	< 10 U	< 0.50 U	–	< 0.50 U
WR-MW-10A	06/11/07	–	–	–	< 0.50 U	< 0.50 U	–	< 10 U	< 0.50 U	–	< 0.50 U
WR-MW-10A	09/26/07	–	–	–	< 0.50 U	< 0.50 U	–	< 10 U	< 0.50 U	–	< 0.50 U
WR-MW-10A	12/13/07	–	–	–	< 0.50 U	< 0.50 U	–	< 10 U	< 0.50 U	–	< 0.50 U
WR-MW-10A	03/26/08	–	–	–	< 0.50 U	< 0.50 U	–	< 10 U	< 0.50 U	–	< 0.50 U
WR-MW-10A	10/07/08	–	–	–	< 0.50 U	< 0.50 U	–	< 10 U	< 0.50 U	–	< 0.50 U
WR-MW-10A	04/08/09	–	–	–	< 0.50 U	< 0.50 U	–	< 10 U	< 0.50 U	–	< 0.50 U
WR-MW-10A	09/28/09	–	–	–	< 0.50 U	< 0.50 U	–	< 10 U	< 0.50 U	–	< 0.50 U
WR-MW-10A	06/24/10	–	–	–	< 0.50 U	< 0.50 U	–	< 10 U	< 0.50 U	–	< 0.50 U
WR-MW-10A	01/27/11	–	–	–	< 0.50 U	< 0.50 U	–	< 10 U	< 0.50 U	–	< 0.50 U
WR-MW-10A	06/21/11	–	–	–	< 0.50 U	< 0.50 U	–	< 10 U	< 0.50 U	–	< 0.50 U
WR-MW-10A	01/11/12	–	–	–	< 0.50 U	< 0.50 U	–	< 10 U	< 0.50 U	–	< 0.50 U
WR-MW-10A	06/27/12	–	–	–	< 0.50 U	< 0.50 U	–	< 10 U	< 0.50 U	–	< 0.50 U
WR-MW-10A	01/04/13	–	–	–	< 0.50 U	< 0.50 U	–	< 10 U	< 0.50 U	–	< 0.50 U

Table B-1. Historical Groundwater Monitoring Results - Organics

Analyte		TPH-Diesel	TPH-Gas	TPH-Oil	1,1,1-TCA	1,1-DCE	4-Methyl phenol	Acetone	Benzene	bis(2-Ethylhexyl)-Phthalate	Bromodichloro-methane
Units		µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
California MCL		N/A	N/A	N/A	200	6	N/A	N/A	1	4	80
Historical MCL Exceedances?		No	No	No	No	No	No	No	Yes	Yes	No
Well ID	**Sampled**										
WR-MW-10A	06/26/13	–	–	–	< 0.50 U	< 0.50 U	–	< 10 U	< 0.50 U	–	< 0.50 U
WR-MW-10A	12/04/13	–	–	–	< 0.50 U	< 0.50 U	–	< 10 U	< 0.50 U	–	< 0.50 U
WR-MW-10A	07/01/14	–	–	–	< 0.50 U	< 0.50 U	–	< 10 U	< 0.50 U	–	< 0.50 U
WR-MW-10A	11/05/14	–	–	–	< 0.50 U	< 0.50 U	–	< 10 U	< 0.50 U	–	< 0.50 U
WR-MW-10A	11/18/20	–	–	–	< 0.20 U	< 0.20 U	–	18 J	< 0.20 U	–	< 0.20 U
WR-MW-10A	12/16/21	–	–	–	< 0.16 U	< 0.20 U	–	< 8 U	0.08 J	–	< 0.30 U
WR-MW-10A	06/08/22	–	–	–	< 0.16 U	< 0.20 U	–	< 8 U	< 0.16 U	–	< 0.30 U
WR-MW-11A	09/03/04	–	–	–	< 0.50 U	< 0.50 U	–	< 10 U	< 0.50 U	–	< 0.50 U
WR-MW-11A	12/08/04	–	–	–	< 0.50 U	< 0.50 U	–	< 10 U	< 0.50 U	–	< 0.50 U
WR-MW-11A	03/02/05	–	–	–	< 0.50 U	< 0.50 U	–	< 10 U	< 0.50 U	–	< 0.50 U
WR-MW-11A	06/07/05	–	–	–	< 0.50 U	< 0.50 U	–	< 10 U	< 0.50 U	–	< 0.50 U
WR-MW-11A	09/14/05	–	–	–	< 0.50 U	< 0.50 U	–	< 10 U	< 0.50 U	–	< 0.50 U
WR-MW-11A	12/08/05	–	–	–	< 0.50 U	< 0.50 U	–	< 10 U	< 0.50 U	–	< 0.50 U
WR-MW-11A	03/14/06	–	–	–	< 0.50 U	< 0.50 U	–	< 10 U	< 0.50 U	–	< 0.50 U
WR-MW-11A	06/27/06	–	–	–	< 0.50 U	< 0.50 U	–	< 10 U	< 0.50 U	–	< 0.50 U
WR-MW-11A	09/26/06	–	–	–	< 0.50 U	< 0.50 U	–	< 10 U	< 0.50 U	–	< 0.50 U
WR-MW-11A	12/13/06	–	–	–	< 0.50 U	< 0.50 U	–	< 10 U	< 0.50 U	–	< 0.50 U
WR-MW-11A	03/26/07	–	–	–	< 0.50 U	< 0.50 U	–	< 10 U	< 0.50 U	–	< 0.50 U
WR-MW-11A	06/11/07	–	–	–	< 0.50 U	< 0.50 U	–	< 10 U	< 0.50 U	–	< 0.50 U
WR-MW-11A	09/25/07	–	–	–	< 0.50 U	< 0.50 U	–	< 10 U	< 0.50 U	–	< 0.50 U
WR-MW-11A	12/13/07	–	–	–	< 0.50 U	< 0.50 U	–	< 10 U	< 0.50 U	–	< 0.50 U
WR-MW-11A	03/26/08	–	–	–	< 0.50 U	< 0.50 U	–	< 10 U	< 0.50 U	–	< 0.50 U
WR-MW-11A	10/07/08	–	–	–	< 0.50 U	< 0.50 U	–	< 10 U	< 0.50 U	–	< 0.50 U
WR-MW-11A	04/08/09	–	–	–	< 0.50 U	< 0.50 U	–	< 10 U	< 0.50 U	–	< 0.50 U
WR-MW-11A	09/28/09	–	–	–	< 0.50 U	< 0.50 U	–	< 10 U	< 0.50 U	–	< 0.50 U
WR-MW-11A	06/24/10	–	–	–	< 0.50 U	< 0.50 U	–	< 10 U	< 0.50 U	–	< 0.50 U
WR-MW-11A	01/27/11	–	–	–	< 0.50 U	< 0.50 U	–	< 10 U	< 0.50 U	–	< 0.50 U
WR-MW-11A	06/21/11	–	–	–	< 0.50 U	< 0.50 U	–	< 10 U	< 0.50 U	–	< 0.50 U
WR-MW-11A	01/11/12	–	–	–	< 0.50 U	< 0.50 U	–	< 10 U	< 0.50 U	–	< 0.50 U
WR-MW-11A	06/26/12	–	–	–	< 0.50 U	< 0.50 U	–	< 10 U	< 0.50 U	–	< 0.50 U
WR-MW-11A	01/03/13	–	–	–	< 0.50 U	< 0.50 U	–	< 10 U	< 0.50 U	–	< 0.50 U

Table B-1. Historical Groundwater Monitoring Results - Organics

Analyte		TPH-Diesel	TPH-Gas	TPH-Oil	1,1,1-TCA	1,1-DCE	4-Methyl phenol	Acetone	Benzene	bis(2-Ethylhexyl)-Phthalate	Bromodichloro-methane
Units		µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
California MCL		N/A	N/A	N/A	200	6	N/A	N/A	1	4	80
Historical MCL Exceedances?		No	No	No	No	No	No	No	Yes	Yes	No
Well ID	**Sampled**										
WR-MW-11A	06/25/13	–	–	–	< 0.50 U	< 0.50 U	–	< 10 U	< 0.50 U	–	< 0.50 U
WR-MW-11A	12/03/13	–	–	–	< 0.50 U	< 0.50 U	–	< 10 U	< 0.50 U	–	< 0.50 U
WR-MW-11A	07/01/14	–	–	–	< 0.50 U	< 0.50 U	–	< 10 U	< 0.50 U	–	< 0.50 U
WR-MW-11A	11/05/14	–	–	–	< 0.50 U	< 0.50 U	–	< 10 U	< 0.50 U	–	< 0.50 U
WR-MW-11A	09/28/16	–	–	–	< 0.40 U	< 0.20 U	–	67	< 0.20 U	–	< 0.20 U
WR-MW-11A	12/21/16	–	–	–	< 0.40 U	< 0.20 U	–	74	< 0.20 U	–	< 0.20 U
WR-MW-11A	06/28/17	–	–	–	< 0.40 U	< 0.40 U	–	30 J	< 0.20 U	–	< 0.40 U
WR-MW-11A	12/19/17	–	–	–	< 0.40 U	< 0.40 U	–	170	< 0.40 U	–	< 0.40 U
WR-MW-11A	12/14/18	–	–	–	< 0.50 U	< 0.50 U	–	300 J	< 0.50 U	–	< 0.50 U
WR-MW-11A	06/25/19	–	–	–	< 0.40 U	< 0.40 U	–	42 J	< 0.20 U	–	< 0.20 U
WR-MW-11A	12/30/19	–	–	–	< 0.40 U	< 0.40 U	–	67 J	< 0.20 U	–	< 0.40 U
WR-MW-11A	05/07/20	–	–	–	< 0.40 U	< 0.40 U	–	23	< 0.20 U	–	< 0.40 U
WR-MW-11A	11/18/20	–	–	–	< 0.20 U	< 0.20 U	–	8.8	< 0.20 U	–	< 0.20 U
WR-MW-11A	12/16/21	–	–	–	< 0.16 U	< 0.20 U	–	< 8 U	< 0.16 U	–	< 0.30 U
WR-MW-11A	06/08/22	–	–	–	< 0.16 U	< 0.20 U	–	< 8 U	< 0.16 U	–	< 0.30 U
WR-MW-12A	09/20/05	–	–	–	< 0.50 U	< 0.50 U	–	< 10 U	< 0.50 U	–	< 0.50 U
WR-MW-12A	12/06/05	–	–	–	< 0.50 U	< 0.50 U	–	< 10 U	< 0.50 U	–	< 0.50 U
WR-MW-12A	03/14/06	–	–	–	< 0.50 U	< 0.50 U	–	< 10 U	< 0.50 U	–	< 0.50 U
WR-MW-12A	06/27/06	–	–	–	< 0.50 U	< 0.50 U	–	< 10 U	< 0.50 U	–	< 0.50 U
WR-MW-12A	09/26/06	–	–	–	< 0.50 U	< 0.50 U	–	< 10 U	< 0.50 U	–	< 0.50 U
WR-MW-12A	12/13/06	–	–	–	< 0.70 U	< 0.70 U	–	< 14 U	< 0.70 U	–	< 0.70 U
WR-MW-12A	03/26/07	–	–	–	< 0.50 U	< 0.50 U	–	< 10 U	< 10 U	–	< 0.50 U
WR-MW-12A	06/11/07	–	–	–	< 0.50 U	< 0.50 U	–	< 10 U	< 10 U	–	< 0.50 U
WR-MW-12A	09/25/07	–	–	–	< 0.50 U	< 0.50 U	–	< 10 U	< 0.50 U	–	< 0.50 U
WR-MW-12A	12/13/07	–	–	–	< 0.50 U	< 0.50 U	–	< 10 U	< 0.50 U	–	< 0.50 U
WR-MW-12A	03/26/08	–	–	–	< 0.50 U	< 0.50 U	–	< 10 U	< 0.50 U	–	< 0.50 U
WR-MW-12A	10/07/08	–	–	–	< 0.50 U	< 0.50 U	–	< 10 U	< 0.50 U	–	< 0.50 U
WR-MW-12A	04/08/09	–	–	–	< 0.50 U	< 0.50 U	–	< 10 U	< 0.50 U	–	< 0.50 U
WR-MW-12A	09/28/09	–	–	–	< 0.50 U	< 0.50 U	–	< 10 U	< 0.50 U	–	< 0.50 U
WR-MW-12A	06/24/10	–	–	–	< 0.50 U	< 0.50 U	–	< 10 U	< 0.50 U	–	< 0.50 U
WR-MW-12A	01/27/11	–	–	–	< 0.50 U	< 0.50 U	–	< 10 U	< 0.50 U	–	< 0.50 U

Table B-1. Historical Groundwater Monitoring Results - Organics

Analyte		TPH-Diesel	TPH-Gas	TPH-Oil	1,1,1-TCA	1,1-DCE	4-Methyl phenol	Acetone	Benzene	bis(2-Ethylhexyl)-Phthalate	Bromodichloro-methane
Units		µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
California MCL		N/A	N/A	N/A	200	6	N/A	N/A	1	4	80
Historical MCL Exceedances?		No	No	No	No	No	No	No	Yes	Yes	No
Well ID	**Sampled**										
WR-MW-12A	06/21/11	–	–	–	< 0.50 U	< 0.50 U	–	< 10 U	< 0.50 U	–	< 0.50 U
WR-MW-12A	01/11/12	–	–	–	< 0.50 U	< 0.50 U	–	< 10 U	< 0.50 U	–	< 0.50 U
WR-MW-12A	06/27/12	–	–	–	< 0.50 U	< 0.50 U	–	< 10 U	< 0.50 U	–	< 0.50 U
WR-MW-12A	01/04/13	–	–	–	< 0.50 U	< 0.50 U	–	< 10 U	< 0.50 U	–	< 0.50 U
WR-MW-12A	06/26/13	–	–	–	< 0.50 U	< 0.50 U	–	< 10 U	< 0.50 U	–	< 0.50 U
WR-MW-12A	12/04/13	–	–	–	< 0.50 U	< 0.50 U	–	< 10 U	< 0.50 U	–	< 0.50 U
WR-MW-12A	07/01/14	–	–	–	< 0.50 U	< 0.50 U	–	< 10 U	< 0.50 U	–	< 0.50 U
WR-MW-12A	11/05/14	–	–	–	< 0.50 U	< 0.50 U	–	< 10 U	< 0.50 U	–	< 0.50 U
WR-MW-12A	09/28/16	–	–	–	< 0.40 U	< 0.20 U	–	76	< 0.20 U	–	< 0.20 U
WR-MW-12A	12/21/16	–	–	–	< 0.40 U	< 0.20 U	–	83	< 0.20 U	–	< 0.20 U
WR-MW-12A	06/28/17	–	–	–	< 0.40 U	< 0.40 U	–	6.5 J	< 0.20 U	–	< 0.40 U
WR-MW-12A	12/19/17	–	–	–	< 0.40 U	< 0.40 U	–	130	< 0.20 U	–	< 0.40 U
WR-MW-12A	06/14/18	–	–	–	< 0.40 U	< 0.40 U	–	7.8 J	0.10 J	–	< 0.40 U
WR-MW-12A	06/14/18	–	–	–	< 0.40 U	< 0.40 U	–	9.4 J	0.10 J	–	< 0.20 U
WR-MW-12A	12/14/18	–	–	–	< 0.50 U	< 0.50 U	–	72 J	< 0.50 U	–	< 0.50 U
WR-MW-12A	06/25/19	–	–	–	< 0.40 U	< 0.40 U	–	28 J	< 0.20 U	–	< 0.20 U
WR-MW-12A	12/30/19	–	–	–	< 0.40 U	< 0.40 U	–	< 17 UJ	< 0.20 U	–	< 0.40 U
WR-MW-12A	05/07/20	–	–	–	< 0.40 U	< 0.40 U	–	21	< 0.20 U	–	< 0.40 U
WR-MW-12A	11/18/20	–	–	–	< 0.20 U	< 0.20 U	–	12	< 0.20 U	–	< 0.20 U
WR-MW-12A	12/16/21	–	–	–	< 0.16 U	< 0.20 U	–	< 8 U	< 0.16 U	–	< 0.30 U
WR-MW-12A	06/08/22	–	–	–	< 0.16 U	< 0.20 U	–	< 8 U	< 0.16 U	–	< 0.30 U

Table B-1. Historical Groundwater Monitoring Results - Organics

Analyte		Bromoform	Chloro- methane	Chloroform	cis-1,2-DCE	Dibromochloro- methane	Ethanol	MEK	MTBE	PCE	Phenol
Units		µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
California MCL		80	N/A	80	6	80	N/A	N/A	13	5	N/A
Historical MCL Exceedances?		No	No	No	Yes	No	No	No	Yes	Yes	No
Well ID	**Sampled**										
WR-IW-01	10/02/02	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	–	< 10 U	< 1 U	**54 J+**	–
WR-IW-01	11/11/03	< 25 U	< 25 U	< 13 U	< 13 U	< 13 U	970000	3000	< 13 U	< 13 U	–
WR-IW-01	02/10/04	< 25 U	< 25 U	< 13 U	< 13 U	< 13 U	47000	4500	< 13 U	< 13 U	–
WR-IW-02	10/02/02	< 1 U	< 1 U	< 1 U	1.1	< 1 U	–	< 10 U	8.8	**52 J+**	–
WR-IW-02	11/11/03	< 25 U	< 25 U	< 13 U	< 13 U	< 13 U	1500000	4500	< 13 U	< 13 U	–
WR-IW-03	10/02/02	< 1 U	< 1 U	< 1 U	3.1	< 1 U	–	< 10 U	< 1 U	**84**	–
WR-IW-03	11/11/03	< 25 U	< 25 U	< 13 U	< 13 U	< 13 U	< 25000 U	5100	< 13 U	< 13 U	–
WR-IW-03	02/10/04	< 40 U	< 40 U	< 20 U	< 20 U	< 20 U	< 40000 U	18000	< 20 U	< 20 U	–
WR-IW-04	10/02/02	0.64 J	< 1 U	< 1 U	< 1 U	0.53 J	–	< 10 U	< 1 U	**47**	–
WR-IW-04	11/11/03	< 25 U	< 25 U	< 13 U	< 13 U	< 13 U	2100000	5800	< 13 U	< 13 U	–
WR-MW-01	07/27/01	< 5 U	< 1 U	< 0.40 U	–	< 0.50 U	–	< 20 U	< 10 U	**122**	–
WR-MW-01	01/03/02	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	–	–	< 0.50 U	**130**	< 10 U
WR-MW-01	01/03/02	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	–	–	< 0.50 U	**130**	< 10 U
WR-MW-01	04/18/02	< 2.5 U	< 2.5 U	< 2.5 U	< 2.5 U	< 2.5 U	–	< 25 U	–	**15**	< 10 U
WR-MW-01	08/13/02	< 2.5 U	< 2.5 U	< 2.5 U	< 2.5 U	< 2.5 U	–	< 25 U	< 2.5 U	**89**	< 10 U
WR-MW-01	08/13/02	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	–	< 5 U	< 0.50 U	**110 J**	< 10 U
WR-MW-01	11/14/02	< 0.50 U	< 0.50 UJ	< 0.50 UJ	< 0.50 UJ	< 0.50 U	–	< 5 UJ	< 0.50 UJ	**130 J+**	–
WR-MW-01	02/13/03	< 1 U	< 1 U	< 0.50 U	< 0.50 U	< 0.50 U	–	< 10 U	< 0.50 U	**90**	–
WR-MW-01	02/13/03	< 1 U	1.0	< 0.50 U	< 0.50 U	< 0.50 U	–	10	< 0.50 U	**91**	–
WR-MW-01	06/26/03	< 1 U	< 1 U	< 0.50 U	**27**	< 0.50 U	–	1700	1.5	**32**	–
WR-MW-01	06/26/03	< 1 U	< 1 U	< 0.50 U	**28**	< 0.50 U	–	1500	1.3	**31**	–
WR-MW-01	08/06/03	< 1 U	< 1 U	< 0.50 U	**47**	< 0.50 U	< 1000 U	1300	2.2	**13**	520
WR-MW-01	11/11/03	< 1 U	< 1 U	< 0.50 U	**43**	< 0.50 U	< 1000 U	160	5.4	**6.3**	140
WR-MW-01	11/11/03	< 1 U	< 1 U	< 0.50 U	**42**	< 0.50 U	< 1000 U	150	5.4	**6.0**	150
WR-MW-01	02/10/04	< 1 U	< 1 U	< 0.50 U	**45**	< 0.50 U	< 1000 U	< 10 U	9.1	**15**	< 9.4 U
WR-MW-01	05/25/04	< 1 U	< 1 U	< 0.50 U	**28**	< 0.50 U	–	22	8.0	**15**	–
WR-MW-01	09/02/04	< 1 U	< 1 U	< 0.50 U	**28**	< 0.50 U	< 1000 U	17	10	**9.6**	22
WR-MW-01	12/08/04	< 1 U	< 1 U	< 0.50 U	**23**	< 0.50 U	< 1000 U	17	**13**	**18**	< 9.5 U
WR-MW-01	03/01/05	< 1 U	< 1 U	< 0.50 U	**16**	< 0.50 U	< 1000 U	< 10 U	9.0	**17**	< 9.5 U
WR-MW-01	03/01/05	< 1 U	< 1 U	< 0.50 U	**15**	< 0.50 U	< 1000 U	< 10 U	8.8	**17**	< 9.5 U
WR-MW-01	06/07/05	< 1 U	< 1 U	< 0.50 U	**34**	< 0.50 U	< 33000 U	3200	4.0	2.4	6100

Table B-1. Historical Groundwater Monitoring Results - Organics

	Analyte	Bromoform	Chloro- methane	Chloroform	cis-1,2-DCE	Dibromochloro-methane	Ethanol	MEK	MTBE	PCE	Phenol
	Units	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
	California MCL	80	N/A	80	6	80	N/A	N/A	13	5	N/A
	Historical MCL Exceedances?	No	No	No	Yes	No	No	No	Yes	Yes	No
Well ID	**Sampled**										
WR-MW-01	06/07/05	< 1 U	< 1 U	< 0.50 U	**33**	< 0.50 U	< 33000 U	3100	4.2	2.1	4100
WR-MW-01	09/14/05	< 2 U	< 2 U	< 1 U	**23**	< 1 U	–	84	6.9	< 1 U	390
WR-MW-01	12/06/05	< 1 U	< 1 U	< 0.50 U	**13**	< 0.50 U	–	420	5.4	< 0.50 U	< 480 U
WR-MW-01	03/14/06	< 1 U	< 1 U	< 0.50 U	**10**	< 0.50 U	–	690	2.6	0.90	< 4800 U
WR-MW-01	06/26/06	< 2 U	< 2 U	< 1 U	**12**	< 1 U	< 2000 U	< 20 U	4.1	< 1 U	< 9.4 U
WR-MW-01	06/26/06	< 2 U	< 2 U	< 1 U	**13**	< 1 U	< 2000 U	< 20 U	4.3	< 1 U	< 9.4 U
WR-MW-01	09/26/06	< 5 U	< 5 U	< 2.5 U	**7.4**	< 2.5 U	< 5000 U	< 50 U	< 2.5 U	< 2 U	10
WR-MW-01	09/26/06	< 1 U	< 1 U	< 0.50 U	**9.1**	< 1 U	< 1000 U	< 10 U	2.8	< 0.50 U	12
WR-MW-01	12/13/06	< 1 U	< 1 U	< 0.50 U	**8.3**	< 0.50 U	< 1000 U	< 10 U	2.5	< 0.50 U	< 9.4 U
WR-MW-01	03/27/07	< 5 U	< 5 U	< 2.5 U	**8.3**	< 2.5 U	< 5000 U	< 50 U	2.7	< 2.5 U	< 19 U
WR-MW-01	06/12/07	< 1 U	< 1 U	< 0.50 U	4.4	< 0.50 U	< 1000 U	< 10 U	2.0	< 0.50 U	< 9.4 U
WR-MW-01	06/12/07	< 1 U	< 1 U	< 0.50 U	5.1	< 0.50 U	< 1000 U	< 10 U	2.1	0	< 9.4 U
WR-MW-01	09/26/07	< 1 U	< 1 U	< 0.50 U	**6.2**	< 0.50 U	< 1000 U	< 10 U	2.2	< 0.50 U	< 9.5 U
WR-MW-01	09/26/07	< 1 U	< 1 U	< 0.50 U	**6.1**	< 0.50 U	< 1000 U	< 10 U	2.1	< 0.50 U	< 9.5 U
WR-MW-01	12/13/07	< 1 U	< 1 U	< 0.50 U	4.5	< 0.50 U	< 1000 U	< 10 U	1.4	< 0.50 U	–
WR-MW-01	12/13/07	< 1 U	< 1 U	< 0.50 U	4.0	< 0.50 U	< 1000 U	< 10 U	1.3	< 0.50 U	–
WR-MW-01	03/27/08	< 1 U	< 1 U	< 0.50 U	**7.5**	< 0.50 U	< 1000 U	< 10 U	1.2	< 0.50 U	< 9.4 U
WR-MW-01	03/27/08	< 1 U	< 1 U	< 0.50 U	**7.6**	< 0.50 U	< 1000 U	< 10 U	1.1	< 0.50 U	< 9.4 U
WR-MW-01	10/08/08	< 1 U	< 1 U	< 0.50 U	5.4	< 0.50 U	< 1000 U	< 10 U	0.70	1.4	< 9.4 U
WR-MW-01	10/08/08	< 1 U	< 1 U	< 0.50 U	5.6	< 0.50 U	< 1000 U	< 10 U	0.80	1.5	< 9.4 U
WR-MW-01	04/09/09	< 1 U	< 1 U	< 0.50 U	**6.3**	< 0.50 U	< 1000 U	< 10 U	< 0.50 U	0.80	–
WR-MW-01	04/09/09	< 1 U	< 1 U	< 0.50 U	**6.6**	< 0.50 U	< 1000 U	< 10 U	0.50	0.80	–
WR-MW-01	06/24/10	< 1 U	< 1 U	< 0.50 U	**11**	< 0.50 U	< 1000 U	< 10 U	< 0.50 U	3.8	–
WR-MW-01	06/24/10	< 1 U	< 1 U	< 0.50 U	**9.4**	< 0.50 U	< 1000 U	< 10 U	< 0.50 U	4.1	–
WR-MW-01	01/26/11	< 1 U	< 1 U	< 0.50 U	3.8	< 0.50 U	< 1000 U	< 10 U	< 0.50 U	**6.2**	–
WR-MW-01	01/26/11	< 1 U	< 1 U	< 0.50 U	3.4	< 0.50 U	< 1000 U	< 10 U	< 0.50 U	4.9	–
WR-MW-01	06/20/11	< 1 U	< 1 U	< 0.50 U	**6.3**	< 0.50 U	< 1000 U	< 10 U	< 0.50 U	**9.2**	–
WR-MW-01	06/20/11	< 1 U	< 1 U	< 0.50 U	**6.3**	< 0.50 U	< 1000 U	< 10 U	< 0.50 U	**9.0**	–
WR-MW-01	01/11/12	< 1 U	< 1 U	< 0.50 U	**10**	< 0.50 U	< 1000 U	< 10 U	< 0.50 U	**12**	–
WR-MW-01	01/11/12	< 1 U	< 1 U	< 0.50 U	**10**	< 0.50 U	< 1000 U	< 10 U	< 0.50 U	**11**	–
WR-MW-01	06/26/12	< 1 U	< 1 U	< 0.50 U	**14**	< 0.50 U	< 1000 U	< 10 U	< 0.50 U	**11**	–

Table B-1. Historical Groundwater Monitoring Results - Organics

Analyte		Bromoform	Chloro- methane	Chloroform	cis-1,2-DCE	Dibromochloro- methane	Ethanol	MEK	MTBE	PCE	Phenol
Units		µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
California MCL		80	N/A	80	6	80	N/A	N/A	13	5	N/A
Historical MCL Exceedances?		No	No	No	Yes	No	No	No	Yes	Yes	No
Well ID	**Sampled**										
WR-MW-01	06/26/12	< 1 U	< 1 U	< 0.50 U	**14**	< 0.50 U	< 1000 U	< 10 U	< 0.50 U	**10**	–
WR-MW-01	01/04/13	< 1 U	< 1 U	< 0.50 U	**18**	< 0.50 U	< 1000 U	< 10 U	< 0.50 U	**8.2**	–
WR-MW-01	01/04/13	< 1 U	< 1 U	< 0.50 U	**17**	< 0.50 U	< 1000 U	< 10 U	< 0.50 U	**8.9**	–
WR-MW-01	06/25/13	< 1 U	< 1 U	< 0.50 U	**18**	< 0.50 U	< 1000 U	< 10 U	< 0.50 U	**7.4**	–
WR-MW-01	06/25/13	< 1 U	< 1 U	< 0.50 U	**17**	< 0.50 U	< 1000 U	< 10 U	< 0.50 U	**7.2**	–
WR-MW-01	12/03/13	< 1 U	< 1 U	< 0.50 U	**13**	< 0.50 U	< 1000 U	< 10 U	< 0.50 U	4.0	–
WR-MW-01	12/03/13	< 1 U	< 1 U	< 0.50 U	**13**	< 0.50 U	< 1000 U	< 10 U	< 0.50 U	4.0	–
WR-MW-01	06/30/14	< 1 U	< 1 U	< 0.50 U	**8.6**	< 0.50 U	< 1000 U	< 10 U	< 0.50 U	4.1	–
WR-MW-01	06/30/14	< 1 U	< 1 U	< 0.50 U	**8.8**	< 0.50 U	< 1000 U	< 10 U	< 0.50 U	3.9	–
WR-MW-01	11/05/14	< 1 U	< 1 U	< 0.50 U	2.4	< 0.50 U	< 1000 U	< 10 U	< 0.50 U	3.8	–
WR-MW-01	11/05/14	< 1 U	< 1 U	< 0.50 U	2.8	< 0.50 U	< 1000 U	< 10 U	< 0.50 U	3.0	–
WR-MW-01	09/28/16	< 0.40 U	< 0.40 U	< 0.20 U	0.70	< 0.20 U	–	40	< 0.20 U	0.70	–
WR-MW-01	12/21/16	< 0.40 U	< 0.40 U	< 0.20 U	4.9	< 0.20 U	–	20	< 0.20 U	3.4	–
WR-MW-01	06/28/17	< 0.40 U	< 0.40 U	< 0.20 U	**10**	< 0.40 U	< 40 U	1 J	< 0.40 U	1.3	–
WR-MW-01	12/19/17	< 0.40 U	< 0.8 U	< 0.40 U	**13**	< 0.40 U	17 J	4.5 J	< 0.40 U	0.90	–
WR-MW-01	06/14/18	< 0.40 U	< 0.8 U	< 0.40 U	**15**	< 0.20 U	–	< 4 U	< 0.20 U	0.80	–
WR-MW-01	12/14/18	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	–	< 5 UJ	< 0.50 U	0.33	–
WR-MW-01	12/14/18	< 0.50 U	< 0.50 U	< 0.50 U	0.18	< 0.50 U	–	< 5 UJ	< 0.50 U	0.23	–
WR-MW-01	06/25/19	< 0.40 U	< 0.8 U	< 0.40 U	0.40	< 0.40 U	–	< 1 U	< 0.40 U	0.70	–
WR-MW-01	12/30/19	< 0.40 U	< 0.8 U	< 1 U	3.1 J	< 0.40 U	–	< 4 U	< 0.40 U	0.30 J	–
WR-MW-01	12/30/19	< 0.40 U	< 0.8 U	< 1 U	2.3 J	< 0.40 U	–	< 4 U	< 0.40 U	0.30 J	–
WR-MW-01	05/07/20	< 0.40 UJ	< 0.8 UJ	< 1 UJ	**8 J**	< 0.40 UJ	–	< 4 UJ	< 0.40 UJ	0.30 J	–
WR-MW-01	05/07/20	< 0.40 U	< 0.8 U	< 1 U	**8.4**	< 0.40 U	–	< 4 UJ	< 0.40 U	0.30	–
WR-MW-01	11/18/20	< 0.30 U	< 0.50 U	< 0.20 U	1.4	< 0.20 U	–	< 10 U	< 0.30 U	0.34	–
WR-MW-01	11/18/20	< 0.30 U	< 0.50 U	< 0.20 U	0.14	< 0.20 U	–	10 J	< 0.30 U	0.28	–
WR-MW-01B	10/03/02	< 0.50 U	< 0.50 U	0.27 J	< 0.50 U	< 0.50 U	–	< 5 U	< 0.50 U	< 0.50 U	< 10 U
WR-MW-01B	10/03/02	< 0.50 U	< 0.50 U	0.28 J	< 0.50 U	< 0.50 U	–	< 5 U	< 0.50 U	< 0.50 U	< 10 U
WR-MW-01B	02/09/03	< 1 U	< 1 U	< 0.50 U	< 0.50 U	< 0.50 U	–	< 10 U	< 0.50 U	< 0.50 U	–
WR-MW-01B	05/29/03	1.4 J+	< 1 U	< 0.50 U	< 0.50 U	1.6 J+	–	< 10 U	< 0.50 U	< 0.50 U	–
WR-MW-01B	08/06/03	< 1 U	< 1 U	< 0.50 U	< 0.50 U	< 0.50 U	< 1000 U	< 10 U	< 0.50 U	< 0.50 U	–
WR-MW-01B	11/10/03	< 1 U	< 1 U	< 0.50 U	< 0.50 U	< 0.50 U	< 1000 U	< 10 U	< 0.50 U	< 0.50 U	–

Table B-1. Historical Groundwater Monitoring Results - Organics

Analyte		Bromoform	Chloro- methane	Chloroform	cis-1,2-DCE	Dibromochloro- methane	Ethanol	MEK	MTBE	PCE	Phenol
Units		µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
California MCL		80	N/A	80	6	80	N/A	N/A	13	5	N/A
Historical MCL Exceedances?		No	No	No	Yes	No	No	No	Yes	Yes	No
Well ID	**Sampled**										
WR-MW-01B	02/10/04	< 1 U	< 1 U	< 0.50 U	< 0.50 U	< 0.50 U	< 1000 U	< 10 U	< 0.50 U	< 0.50 U	–
WR-MW-01B	05/24/04	< 1 U	< 1 U	< 0.50 U	< 0.50 U	< 0.50 U	–	< 10 U	< 0.50 U	< 0.50 U	–
WR-MW-01B	09/02/04	< 1 U	< 1 U	< 0.50 U	< 0.50 U	< 0.50 U	< 1000 U	< 10 U	< 0.50 U	< 0.50 U	–
WR-MW-01B	12/08/04	< 1 U	< 1 U	< 0.50 U	< 0.50 U	< 0.50 U	< 1000 U	< 10 U	< 0.50 U	< 0.50 U	–
WR-MW-01B	03/02/05	< 1 U	< 1 U	< 0.50 U	< 0.50 U	< 0.50 U	< 1000 U	< 10 U	1.5	< 0.50 U	–
WR-MW-01B	06/07/05	< 1 U	< 1 U	< 0.50 U	< 0.50 U	< 0.50 U	< 1000 U	< 10 U	< 0.50 U	< 0.50 U	–
WR-MW-01B	09/13/05	< 1 U	< 1 U	< 0.50 U	< 0.50 U	< 0.50 U	–	< 10 U	< 0.50 U	< 0.50 U	–
WR-MW-01B	12/06/05	< 1 U	< 1 U	< 0.50 U	< 0.50 U	< 0.50 U	–	< 10 U	< 0.50 U	< 0.50 U	–
WR-MW-01B	03/14/06	< 1 U	< 1 U	< 0.50 U	< 0.50 U	< 0.50 U	–	< 10 U	< 0.50 U	< 0.50 U	–
WR-MW-01B	06/26/06	< 1 U	< 1 U	< 0.50 U	< 0.50 U	< 0.50 U	< 1000 U	< 10 U	< 0.50 U	< 0.50 U	–
WR-MW-01B	09/26/06	< 1 U	< 1 U	< 0.50 U	< 0.50 U	< 0.50 U	< 1000 U	< 10 U	< 0.50 U	< 0.50 U	–
WR-MW-01B	12/13/06	< 1 U	< 1 U	< 0.50 U	< 0.50 U	< 0.50 U	< 1000 U	< 10 U	< 0.50 U	< 0.50 U	–
WR-MW-01B	03/26/07	< 1 U	< 1 U	< 0.50 U	< 0.50 U	< 0.50 U	< 1000 U	< 10 U	< 0.50 U	< 0.50 U	–
WR-MW-01B	06/12/07	< 1 U	< 1 U	< 0.50 U	< 0.50 U	< 0.50 U	< 1000 U	< 10 U	< 0.50 U	< 0.50 U	–
WR-MW-01B	09/25/07	< 1 U	< 1 U	< 0.50 U	< 0.50 U	< 0.50 U	< 1000 U	< 10 U	< 0.50 U	< 0.50 U	–
WR-MW-01B	12/13/07	< 1 U	< 1 U	< 0.50 U	< 0.50 U	< 0.50 U	< 1000 U	< 10 U	< 0.50 U	< 0.50 U	–
WR-MW-01B	03/26/08	< 1 U	< 1 U	< 0.50 U	< 0.50 U	< 0.50 U	< 1000 U	< 10 U	< 0.50 U	< 0.50 U	–
WR-MW-01B	10/07/08	< 1 U	< 1 U	< 0.50 U	< 0.50 U	< 0.50 U	< 1000 U	< 10 U	< 0.50 U	< 0.50 U	–
WR-MW-01B	10/07/08	< 1 U	< 1 U	< 0.50 U	< 0.50 U	< 0.50 U	< 1000 U	< 10 U	< 0.50 U	< 0.50 U	–
WR-MW-01B	04/09/09	< 1 U	< 1 U	< 0.50 U	< 0.50 U	< 0.50 U	< 1000 U	< 10 U	< 0.50 U	< 0.50 U	–
WR-MW-01B	06/23/10	< 1 U	< 1 U	< 0.50 U	< 0.50 U	< 0.50 U	< 1000 U	< 10 U	< 0.50 U	< 0.50 U	–
WR-MW-01B	02/14/11	< 1 U	< 1 U	< 0.50 U	< 0.50 U	< 0.50 U	< 1000 U	< 10 U	< 0.50 U	< 0.50 U	–
WR-MW-01B	01/10/12	< 1 U	< 1 U	< 0.50 U	< 0.50 U	< 0.50 U	< 1000 U	< 10 U	< 0.50 U	< 0.50 U	–
WR-MW-01B	01/03/13	< 1 U	< 1 U	< 0.50 U	< 0.50 U	< 0.50 U	< 1000 U	< 10 U	< 0.50 U	< 0.50 U	–
WR-MW-01B	12/03/13	< 1 U	< 1 U	< 0.50 U	< 0.50 U	< 0.50 U	< 1000 U	< 10 U	< 0.50 U	< 0.50 U	–
WR-MW-01B	11/04/14	< 1 U	< 1 U	< 0.50 U	< 0.50 U	< 0.50 U	< 1000 U	< 10 U	< 0.50 U	< 0.50 U	–
WR-MW-01B	06/28/17	< 0.40 U	< 0.40 U	< 0.20 U	< 0.40 U	< 0.40 U	< 40 U	1.4 J	0.20 J	0.10 J	–
WR-MW-01B	12/19/17	< 0.40 U	< 0.8 U	< 0.20 U	< 0.40 U	< 0.40 U	< 80 U	6.9 J	0.20 J	0.10 J	–
WR-MW-01B	12/14/18	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	–	< 5 UJ	< 0.50 U	< 0.50 U	–
WR-MW-01B	06/25/19	< 0.40 U	< 0.8 U	< 0.40 U	< 0.20 U	< 0.40 U	–	1.4	0.20	< 0.40 U	–
WR-MW-01B	06/25/19	< 0.40 U	< 0.8 U	< 0.40 U	< 0.20 U	< 0.40 U	–	1.3	0.10	< 0.40 U	–

Table B-1. Historical Groundwater Monitoring Results - Organics

Analyte		Bromoform	Chloro- methane	Chloroform	cis-1,2-DCE	Dibromochloro- methane	Ethanol	MEK	MTBE	PCE	Phenol
Units		µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
California MCL		80	N/A	80	6	80	N/A	N/A	13	5	N/A
Historical MCL Exceedances?		No	No	No	Yes	No	No	No	Yes	Yes	No
Well ID	**Sampled**										
WR-MW-01B	12/30/19	< 0.40 U	< 0.8 U	< 0.40 U	< 0.40 U	< 0.40 U	–	< 4 U	0.20	< 0.40 U	–
WR-MW-01B	11/18/20	< 0.30 U	< 0.50 U	< 0.20 U	< 0.20 U	< 0.20 U	–	10 J	< 0.30 U	< 0.30 U	–
WR-MW-01B	12/16/21	< 0.30 U	< 0.16 U	< 0.16 U	< 0.16 U	< 0.16 U	–	–	–	< 0.30 U	–
WR-MW-01B	12/16/21	< 0.30 U	< 0.16 U	< 0.16 U	< 0.16 U	< 0.16 U	–	–	–	< 0.30 U	–
WR-MW-01B	12/16/21	< 0.30 U	< 0.16 U	< 0.16 U	< 0.16 U	< 0.16 U	–	–	–	< 0.30 U	–
WR-MW-02	07/27/01	< 5 U	< 1 U	< 0.40 U	–	< 0.50 U	–	< 20 U	< 10 U	**5.3**	–
WR-MW-02	01/03/02	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	–	–	< 0.50 U	**8.1**	< 10 U
WR-MW-02	04/18/02	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	–	< 5 U	–	**8.0**	< 10 U
WR-MW-02	04/18/02	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	–	< 5 U	–	**6.7**	< 10 U
WR-MW-02	08/13/02	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	–	< 5 U	< 0.50 U	**6.4**	< 10 U
WR-MW-02	11/14/02	< 0.50 U	< 0.50 UJ	< 0.50 UJ	< 0.50 UJ	< 0.50 U	–	< 5 UJ	< 0.50 UJ	**11 J+**	–
WR-MW-02	02/08/03	< 1 U	< 1 U	< 0.50 U	< 0.50 U	< 0.50 U	–	< 10 U	< 0.50 U	**7.3**	–
WR-MW-02	05/27/03	< 1 U	< 1 U	< 0.50 U	< 0.50 U	< 0.50 U	–	< 10 U	< 0.50 U	**7.2**	–
WR-MW-02	08/05/03	< 1 U	< 1 U	< 0.50 U	< 0.50 U	< 0.50 U	< 1000 U	< 10 U	< 0.50 U	**7.9**	< 9.7 U
WR-MW-02	11/10/03	< 1 U	< 1 U	< 0.50 U	< 0.50 U	< 0.50 U	< 1000 U	< 10 U	< 0.50 U	**8.1**	< 9.5 U
WR-MW-02	02/10/04	< 1 U	< 1 U	< 0.50 U	< 0.50 U	< 0.50 U	< 1000 U	< 10 U	< 0.50 U	**7.3**	< 9.4 U
WR-MW-02	05/25/04	< 1 U	< 1 U	< 0.50 U	< 0.50 U	< 0.50 U	–	< 10 U	< 0.50 U	**8.0**	< 9.4 U
WR-MW-02	09/03/04	< 1 U	< 1 U	< 0.50 U	< 0.50 U	< 0.50 U	< 1000 U	< 10 U	< 0.50 U	**6.7 J+**	< 10 U
WR-MW-02	12/07/04	< 1 U	< 1 U	< 0.50 U	< 0.50 U	< 0.50 U	< 1000 U	< 10 U	< 0.50 U	**7.4**	< 9.5 U
WR-MW-02	03/02/05	< 1 U	< 1 U	< 0.50 U	< 0.50 U	< 0.50 U	< 1000 U	< 10 U	< 0.50 U	**9.8**	< 9.5 U
WR-MW-02	06/07/05	< 1 U	< 1 U	< 0.50 U	< 0.50 U	< 0.50 U	< 1000 U	< 10 U	< 0.50 U	**15**	< 9.5 U
WR-MW-02	09/14/05	< 1 U	< 1 U	< 0.50 U	< 0.50 U	< 0.50 U	< 1000 U	< 10 U	< 0.50 U	**16**	< 10 U
WR-MW-02	12/06/05	< 1 U	< 1 U	< 0.50 U	< 0.50 U	< 0.50 U	< 1000 U	< 10 U	< 0.50 U	**15**	< 9.4 U
WR-MW-02	03/14/06	< 1 U	< 1 U	< 0.50 U	1.6	< 0.50 U	< 1000 U	< 10 U	< 0.50 U	**18**	< 9.4 U
WR-MW-02	06/27/06	< 1 U	< 1 U	< 0.50 U	2.0	< 0.50 U	< 1000 U	< 10 U	< 0.50 U	**16**	–
WR-MW-02	09/25/06	< 1 U	< 1 U	< 0.50 U	1.5	< 0.50 U	< 1000 U	< 10 U	< 0.50 U	**19**	–
WR-MW-02	12/13/06	< 1 U	< 1 U	< 0.50 U	2.8	< 0.50 U	< 1000 U	< 10 U	< 0.50 U	**17**	–
WR-MW-02	03/26/07	< 1 U	< 1 U	< 0.50 U	4.0	< 0.50 U	< 1000 U	< 10 U	< 0.50 U	**16**	–
WR-MW-02	06/12/07	< 1 U	< 1 U	< 0.50 U	4.4	< 0.50 U	< 1000 U	< 10 U	< 0.50 U	**15**	–
WR-MW-02	09/25/07	< 1 U	< 1 U	< 0.50 U	3.1	< 0.50 U	< 1000 U	< 10 U	< 0.50 U	4.4	–
WR-MW-02	12/13/07	< 1 U	< 1 U	< 0.50 U	< 0.50 U	< 0.50 U	< 1000 U	< 10 U	< 0.50 U	**6.3**	–

Table B-1. Historical Groundwater Monitoring Results - Organics

Analyte		Bromoform	Chloro- methane	Chloroform	cis-1,2-DCE	Dibromochloro- methane	Ethanol	MEK	MTBE	PCE	Phenol
Units		µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
California MCL		80	N/A	80	6	80	N/A	N/A	13	5	N/A
Historical MCL Exceedances?		No	No	No	Yes	No	No	No	Yes	Yes	No
Well ID	**Sampled**										
WR-MW-02	03/26/08	< 1 U	< 1 U	< 0.50 U	2.0	< 0.50 U	< 1000 U	< 10 U	< 0.50 U	**7.5**	–
WR-MW-02	10/07/08	< 1 U	< 1 U	< 0.50 U	4.4	< 0.50 U	< 1000 U	< 10 U	< 0.50 U	**18**	–
WR-MW-02	04/09/09	< 1 U	< 1 U	< 0.50 U	**7.8**	< 0.50 U	< 1000 U	< 10 U	< 0.50 U	**15**	–
WR-MW-02	09/28/09	< 1 U	< 1 U	< 0.50 U	**14**	< 0.50 U	< 1000 U	< 10 U	< 0.50 U	**16**	–
WR-MW-02	07/01/10	< 1 U	< 1 U	< 0.50 U	**6.5**	< 0.50 U	< 1000 U	< 10 U	< 0.50 U	**17**	–
WR-MW-02	01/27/11	< 1 U	< 1 U	< 0.50 U	4.8	< 0.50 U	< 1000 U	< 10 U	< 0.50 U	**13**	–
WR-MW-02	06/20/11	< 1 U	< 1 U	< 0.50 U	**7.9**	< 0.50 U	< 1000 U	< 10 U	< 0.50 U	**15**	–
WR-MW-02	01/11/12	< 1 U	< 1 U	< 0.50 U	**6.0**	< 0.50 U	< 1000 U	< 10 U	< 0.50 U	**18**	–
WR-MW-02	06/27/12	< 1 U	< 1 U	< 0.50 U	4.7	< 0.50 U	< 1000 U	< 10 U	< 0.50 U	**19**	–
WR-MW-02	01/04/13	< 1 U	< 1 U	< 0.50 U	3.4	< 0.50 U	< 1000 U	< 10 U	< 0.50 U	**15**	–
WR-MW-02	06/26/13	< 1 U	< 1 U	< 0.50 U	2.8	< 0.50 U	< 1000 U	< 10 U	< 0.50 U	**14**	–
WR-MW-02	12/04/13	< 1 U	< 1 U	< 0.50 U	< 0.50 U	< 0.50 U	< 1000 U	< 10 U	< 0.50 U	**11**	–
WR-MW-02	07/01/14	< 1 U	< 1 U	< 0.50 U	< 0.50 U	< 0.50 U	< 1000 U	< 10 U	< 0.50 U	**5.6**	–
WR-MW-02	11/04/14	< 1 U	< 1 U	< 0.50 U	< 0.50 U	< 0.50 U	< 1000 U	< 10 U	< 0.50 U	4.8	–
WR-MW-02	09/28/16	< 0.40 U	< 0.40 U	0.20 J	< 0.20 U	< 0.20 U	–	45	< 0.20 U	**9.4**	–
WR-MW-02	12/21/16	0.40 J	0.40 J	0.20 J	0.20 J	0.20 J	–	43 J	0.20 J	**22 J**	–
WR-MW-02	06/28/17	< 0.40 U	< 0.40 U	< 0.20 U	< 0.40 U	< 0.40 U	< 40 U	1.3 J	< 0.40 U	**21**	–
WR-MW-02	12/19/17	< 0.40 U	< 0.8 U	< 0.20 U	< 0.40 U	< 0.40 U	< 80 U	5.5 J	< 0.40 U	**21**	–
WR-MW-02	12/14/18	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	–	< 5 UJ	< 0.50 U	**8.8**	–
WR-MW-02	12/14/18	< 0.40 U	< 0.8 U	< 0.40 U	0.40 J	< 0.20 U	–	< 4 U	< 0.20 U	**18**	–
WR-MW-02	06/25/19	< 0.40 U	< 0.8 U	< 0.40 U	< 0.20 U	< 0.40 U	–	1.0	< 0.40 U	**7.6**	–
WR-MW-02	12/30/19	< 0.40 U	< 0.8 U	< 0.40 U	< 0.40 U	< 0.40 U	–	< 4 U	< 0.40 U	**17**	–
WR-MW-02	05/07/20	< 0.40 U	< 0.8 U	< 1 U	< 0.40 U	< 0.40 U	–	< 4 UJ	< 0.40 U	**12**	–
WR-MW-02	11/18/20	< 0.20 U	< 0.50 U	< 0.50 U	< 0.20 U	< 0.20 U	–	10 J	< 0.30 U	**6.9**	–
WR-MW-03	07/27/01	< 5 U	< 1 U	< 0.40 U	–	< 0.50 U	–	< 20 U	< 10 U	< 2 U	–
WR-MW-03	01/03/02	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	–	–	< 0.50 U	< 0.50 U	< 10 U
WR-MW-03	04/18/02	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	–	< 5 U	–	< 0.50 U	10 R
WR-MW-03	08/13/02	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	–	< 5 U	< 0.50 U	< 0.50 U	< 10 U
WR-MW-03	11/13/02	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	–	< 5 U	< 0.50 U	< 0.50 U	–
WR-MW-03	02/08/03	< 1 U	< 1 U	< 0.50 U	< 0.50 U	< 0.50 U	–	< 10 U	< 0.50 U	< 0.50 U	–
WR-MW-03	05/27/03	< 1 U	< 1 U	< 0.50 U	< 0.50 U	< 0.50 U	–	< 10 U	< 0.50 U	< 0.50 U	–

Table B-1. Historical Groundwater Monitoring Results - Organics

	Analyte	Bromoform	Chloro- methane	Chloroform	cis-1,2-DCE	Dibromochloro- methane	Ethanol	MEK	MTBE	PCE	Phenol
	Units	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
	California MCL	80	N/A	80	6	80	N/A	N/A	13	5	N/A
	Historical MCL Exceedances?	No	No	No	Yes	No	No	No	Yes	Yes	No
Well ID	**Sampled**										
WR-MW-03	08/05/03	< 1 U	< 1 U	< 0.50 U	< 0.50 U	< 0.50 U	< 1000 U	< 10 U	< 0.50 U	< 0.50 U	< 9.9 U
WR-MW-03	11/10/03	< 1 U	< 1 U	< 0.50 U	< 0.50 U	< 0.50 U	< 1000 U	< 10 U	< 0.50 U	< 0.50 U	< 9.8 U
WR-MW-03	12/07/04	< 1 U	< 1 U	< 0.50 U	< 0.50 U	< 0.50 U	< 1000 U	< 10 U	< 0.50 U	< 0.50 U	< 9.5 U
WR-MW-03	12/08/05	< 1 U	< 1 U	< 0.50 U	< 0.50 U	< 0.50 U	< 1000 U	< 10 U	< 0.50 U	< 0.50 U	< 9.5 U
WR-MW-03	12/14/06	< 1 U	< 1 U	< 0.50 U	< 0.50 U	< 0.50 U	< 1000 U	< 10 U	< 0.50 U	< 0.50 U	–
WR-MW-03	12/13/07	< 1 U	< 1 U	< 0.50 U	< 0.50 U	< 0.50 U	< 1000 U	< 10 U	< 0.50 U	< 0.50 U	–
WR-MW-03	10/07/08	< 1 U	< 1 U	< 0.50 U	< 0.50 U	< 0.50 U	< 1000 U	< 10 U	< 0.50 U	< 0.50 U	–
WR-MW-04A	10/03/02	0.77 J+	< 0.50 U	0.078 J	< 0.50 U	0.47 J	–	< 5 U	< 0.50 U	< 0.50 U	< 10 U
WR-MW-04A	02/08/03	< 1 U	< 1 U	< 0.50 U	< 0.50 U	< 0.50 U	–	< 10 U	< 0.50 U	< 0.50 U	–
WR-MW-04A	05/22/03	< 1 U	< 1 U	< 0.50 U	< 0.50 U	< 0.50 U	–	< 10 U	< 0.50 U	< 0.50 U	–
WR-MW-04A	08/05/03	< 1 U	< 1 U	< 0.50 U	< 0.50 U	< 0.50 U	< 1000 U	< 10 U	< 0.50 U	< 0.50 U	–
WR-MW-04A	11/10/03	< 1 U	< 1 U	< 0.50 U	< 0.50 U	< 0.50 U	< 1000 U	< 10 U	< 0.50 U	< 0.50 U	–
WR-MW-04A	12/08/04	< 1 U	< 1 U	< 0.50 U	< 0.50 U	< 0.50 U	< 1000 U	< 10 U	< 0.50 U	< 0.50 U	–
WR-MW-04A	12/08/04	< 1 U	< 1 U	< 0.50 U	< 0.50 U	< 0.50 U	< 1000 U	< 10 U	< 0.50 U	< 0.50 U	–
WR-MW-04A	12/07/05	< 1 U	< 1 U	< 0.50 U	< 0.50 U	< 0.50 U	< 1000 U	< 10 U	2.7	< 0.50 U	–
WR-MW-04A	03/14/06	< 1 U	< 1 U	< 0.50 U	< 0.50 U	< 0.50 U	< 1000 U	< 10 U	2.5	0.60	–
WR-MW-04A	06/27/06	< 1 U	< 1 U	< 0.50 U	< 0.50 U	< 0.50 U	< 1000 U	< 10 U	2.9	1.0	–
WR-MW-04A	09/26/06	< 1 U	< 1 U	< 0.50 U	< 0.50 U	< 0.50 U	< 1000 U	< 10 U	1.2	0.80	–
WR-MW-04A	12/13/06	< 1 U	< 1 U	< 0.50 U	< 0.50 U	< 0.50 U	< 1000 U	< 10 U	< 0.50 U	0.60	–
WR-MW-04A	03/26/07	< 1 U	< 1 U	< 0.50 U	< 0.50 U	< 0.50 U	< 1000 U	< 10 U	< 0.50 U	< 0.50 U	–
WR-MW-04A	06/11/07	< 1 U	< 1 U	< 0.50 U	< 0.50 U	< 0.50 U	< 1000 U	< 10 U	< 0.50 U	< 0.50 U	–
WR-MW-04A	09/25/07	< 1 U	< 1 U	< 0.50 U	< 0.50 U	< 0.50 U	< 1000 U	< 10 U	< 0.50 U	< 0.50 U	–
WR-MW-04A	12/13/07	< 1 U	< 1 U	< 0.50 U	< 0.50 U	< 0.50 U	< 1000 U	< 10 U	< 0.50 U	< 0.50 U	–
WR-MW-04A	03/26/08	< 1 U	< 1 U	< 0.50 U	< 0.50 U	< 0.50 U	< 1000 U	< 10 U	< 0.50 U	< 0.50 U	–
WR-MW-04A	10/07/08	< 1 U	< 1 U	< 0.50 U	< 0.50 U	< 0.50 U	< 1000 U	< 10 U	< 0.50 U	< 0.50 U	–
WR-MW-04A	04/08/09	< 1 U	< 1 U	< 0.50 U	< 0.50 U	< 0.50 U	< 1000 U	< 10 U	< 0.50 U	< 0.50 U	–
WR-MW-04A	06/23/10	< 1 U	< 1 U	< 0.50 U	< 0.50 U	< 0.50 U	< 1000 U	< 10 U	< 0.50 U	< 0.50 U	–
WR-MW-04A	02/14/11	< 1 U	< 1 U	< 0.50 U	< 0.50 U	< 0.50 U	< 1000 U	< 10 U	< 0.50 U	< 0.50 U	–
WR-MW-04A	06/20/11	< 1 U	< 1 U	< 0.50 U	1.1	< 0.50 U	< 1000 U	< 10 U	< 0.50 U	1.9	–
WR-MW-04A	01/10/12	< 1 U	< 1 U	< 0.50 U	< 0.50 U	< 0.50 U	< 1000 U	< 10 U	< 0.50 U	2.6	–
WR-MW-04A	06/26/12	< 1 U	< 1 U	< 0.50 U	< 0.50 U	< 0.50 U	< 1000 U	< 10 U	< 0.50 U	2.1	–

Table B-1. Historical Groundwater Monitoring Results - Organics

Analyte		Bromoform	Chloro- methane	Chloroform	cis-1,2-DCE	Dibromochloro- methane	Ethanol	MEK	MTBE	PCE	Phenol
Units		µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
California MCL		80	N/A	80	6	80	N/A	N/A	13	5	N/A
Historical MCL Exceedances?		No	No	No	Yes	No	No	No	Yes	Yes	No
Well ID	**Sampled**										
WR-MW-04A	01/03/13	< 1 U	< 1 U	< 0.50 U	< 0.50 U	< 0.50 U	< 1000 U	< 10 U	< 0.50 U	1.4	–
WR-MW-04A	06/25/13	< 1 U	< 1 U	< 0.50 U	< 0.50 U	< 0.50 U	< 1000 U	< 10 U	< 0.50 U	0.80	–
WR-MW-04A	12/03/13	< 1 U	< 1 U	< 0.50 U	0.60	< 0.50 U	< 1000 U	< 10 U	< 0.50 U	1.9	–
WR-MW-04A	06/30/14	< 1 U	< 1 U	< 0.50 U	0.70	< 0.50 U	< 1000 U	< 10 U	< 0.50 U	**5.0**	–
WR-MW-04A	11/04/14	< 1 U	< 1 U	< 0.50 U	0.60	< 0.50 U	< 1000 U	< 10 U	< 0.50 U	**6.5**	–
WR-MW-04A	09/28/16	< 0.40 U	< 0.40 U	< 0.20 U	0.50 J	< 0.20 U	–	38	< 0.20 U	0.90	–
WR-MW-04A	12/21/16	< 0.40 U	< 0.40 U	< 0.20 U	0.20 J	< 0.20 U	–	20	< 0.20 U	1.2	–
WR-MW-04A	06/28/17	< 0.40 U	< 0.40 U	< 0.20 U	0.20 J	< 0.40 U	< 40 U	3.4 J	< 0.40 U	**6.6**	–
WR-MW-04A	12/19/17	< 0.40 U	< 0.8 U	< 0.20 U	0.30 J	< 0.40 U	22 J	3.6 J	< 0.40 U	**6.2**	–
WR-MW-04A	12/19/17	< 0.40 U	< 0.8 U	< 0.20 U	0.30 J	< 0.40 U	< 80 U	3.8 J	< 0.40 U	**6.6**	–
WR-MW-04A	06/14/18	< 0.40 U	< 0.40 U	< 0.40 U	0.30 J	< 0.20 U	–	1 J	< 0.20 U	**5.7**	–
WR-MW-04A	12/14/18	< 0.50 U	< 0.50 U	< 0.50 U	0.25	< 0.50 U	–	< 5 UJ	< 0.50 U	4.3	–
WR-MW-04A	06/25/19	< 0.40 U	< 0.8 U	< 0.40 U	0.20	< 0.40 U	–	< 1 U	< 0.40 U	**7.4**	–
WR-MW-04A	12/30/19	< 0.40 U	< 0.8 U	< 0.40 U	< 0.40 U	< 0.40 U	–	< 4 U	< 0.40 U	**5.4 J**	–
WR-MW-04A	05/07/20	< 0.40 U	< 0.8 U	< 1 U	0.30	< 0.40 U	–	< 4 UJ	< 0.40 U	**5.5**	–
WR-MW-04A	11/18/20	< 0.30 U	< 0.50 U	< 0.20 U	0.33	< 0.20 U	–	10 J	< 0.30 U	**5.7**	–
WR-MW-04A	12/16/21	< 0.30 U	< 0.16 U	< 0.16 U	0.83	< 0.16 U	–	–	–	2.1	–
WR-MW-04A	06/08/22	< 0.30 U	< 0.16 U	< 0.16 U	0.52	< 0.16 U	–	–	–	**5.8**	–
WR-MW-04B	10/03/02	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	–	< 5 U	< 0.50 U	< 0.50 U	< 10 U
WR-MW-04B	02/09/03	< 1 U	< 1 U	< 0.50 U	< 0.50 U	< 0.50 U	–	< 10 U	< 0.50 U	< 0.50 U	–
WR-MW-04B	05/22/03	< 1 U	< 1 U	< 0.50 U	< 0.50 U	< 0.50 U	–	< 10 U	< 0.50 U	< 0.50 U	–
WR-MW-04B	08/05/03	< 1 U	< 1 U	< 0.50 U	< 0.50 U	< 0.50 U	< 1000 U	< 10 U	< 0.50 U	< 0.50 U	–
WR-MW-04B	11/10/03	< 1 U	< 1 U	< 0.50 U	< 0.50 U	< 0.50 U	< 1000 U	< 10 U	< 0.50 U	< 0.50 U	–
WR-MW-04B	12/08/04	< 1 U	< 1 U	< 0.50 U	< 0.50 U	< 0.50 U	< 1000 U	< 10 U	< 0.50 U	< 0.50 U	–
WR-MW-05A	10/02/02	< 2.5 U	< 2.5 U	< 2.5 U	1.1 J	< 2.5 U	–	< 25 U	< 2.5 U	**34 J+**	< 10 U
WR-MW-05A	02/12/03	< 1 U	< 1 U	< 0.50 U	0.90	< 0.50 U	–	< 10 U	< 0.50 U	**150**	–
WR-MW-05A	06/26/03	< 1 U	< 1 U	< 0.50 U	0.60	< 0.50 U	–	< 10 U	< 0.50 U	**120**	–
WR-MW-05A	08/06/03	< 1 U	< 1 U	< 0.50 U	< 0.50 U	< 0.50 U	< 1000 U	< 10 U	< 0.50 U	**89**	< 9.5 U
WR-MW-05A	08/06/03	< 1 U	< 1 U	< 0.50 U	< 0.50 U	< 0.50 U	< 1000 U	< 10 U	< 0.50 U	**86**	< 9.4 U
WR-MW-05A	11/11/03	< 1 U	< 1 U	< 0.50 U	< 0.50 U	< 0.50 U	< 1000 U	< 10 U	< 0.50 U	**45**	< 9.4 U
WR-MW-05A	02/10/04	< 1 U	< 1 U	< 0.50 U	< 0.50 U	< 0.50 U	< 1000 U	< 10 U	0.80	**120**	< 9.4 U

Table B-1. Historical Groundwater Monitoring Results - Organics

	Analyte	Bromoform	Chloro- methane	Chloroform	cis-1,2-DCE	Dibromochloro- methane	Ethanol	MEK	MTBE	PCE	Phenol
	Units	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
	California MCL	80	N/A	80	6	80	N/A	N/A	13	5	N/A
	Historical MCL Exceedances?	No	No	No	Yes	No	No	No	Yes	Yes	No
Well ID	**Sampled**										
WR-MW-05A	02/10/04	< 1 U	< 1 U	< 0.50 U	0.60	< 0.50 U	< 1000 U	< 10 U	0.70	**39**	< 9.4 U
WR-MW-05A	05/25/04	< 1 U	< 1 U	< 0.50 U	1.8	< 0.50 U	–	< 10 U	< 0.50 U	**130**	< 9.4 U
WR-MW-05A	05/25/04	< 1 U	< 1 U	< 0.50 U	1.6	< 0.50 U	–	< 10 U	< 0.50 U	**110**	< 9.4 U
WR-MW-05A	09/02/04	< 1 U	< 1 U	< 0.50 U	1.8 J+	< 0.50 U	< 1000 U	< 10 U	5.1 J+	**140 J+**	22
WR-MW-05A	12/08/04	< 1 U	< 1 U	< 0.50 U	**20**	< 0.50 U	< 1000 U	< 10 U	10	**100**	< 9.5 U
WR-MW-05A	03/01/05	< 1 U	< 1 U	< 0.50 U	**40**	< 0.50 U	< 1000 U	< 10 U	11	**100**	< 9.5 U
WR-MW-05A	06/07/05	< 1 U	< 1 U	< 0.50 U	2.5	< 0.50 U	< 1000 U	< 10 U	6.4	**75**	< 9.5 U
WR-MW-05A	09/14/05	< 1 U	< 1 U	< 0.50 U	**29**	< 0.50 U	–	< 10 U	3.2	**23**	< 9.5 U
WR-MW-05A	09/14/05	< 1 U	< 1 U	< 0.50 U	**28**	< 0.50 U	–	< 10 U	3.3	**25**	< 9.8 U
WR-MW-05A	12/06/05	< 1 U	< 1 U	< 0.50 U	**28**	< 0.50 U	–	< 10 U	2.7	**18**	< 9.4 U
WR-MW-05A	03/14/06	< 1 U	< 1 U	< 0.50 U	**61**	< 0.50 U	–	180	2.8	**11**	< 940 U
WR-MW-05A	03/14/06	< 1 U	< 1 U	< 0.50 U	**60**	< 0.50 U	–	170	2.7	**11**	< 9940 U
WR-MW-05A	03/27/06	< 5 U	< 5 U	< 2.5 U	**13**	< 2.5 U	< 5000 U	< 50 U	< 2.5 U	< 2.5 U	–
WR-MW-05A	03/27/06	< 5 U	< 5 U	< 2.5 U	**13**	< 2.5 U	< 5000 U	< 50 U	< 0.50 U	< 2.5 U	–
WR-MW-05A	06/26/06	< 1 U	< 1 U	< 0.50 U	**38**	< 0.50 U	< 1000 U	130	1.9	< 0.50 U	–
WR-MW-05A	09/26/06	< 2 U	< 2 U	< 1 U	**23**	< 1 U	< 2000 U	320	< 1 U	< 1 U	–
WR-MW-05A	12/13/06	< 1 U	< 1 U	< 0.50 U	**15**	< 0.50 U	< 1000 U	18	< 0.50 U	0.60	–
WR-MW-05A	06/12/07	< 1 U	< 1 U	< 0.50 U	**23**	< 0.50 U	< 1000 U	< 10 U	< 0.50 U	0.80	–
WR-MW-05A	09/25/07	< 1 U	< 1 U	< 0.50 U	**16**	< 0.50 U	< 1000 U	< 10 U	< 0.50 U	0.70	–
WR-MW-05A	12/13/07	< 4 U	< 4 U	< 2 U	**14**	< 2 U	< 4000 U	< 40 U	< 2 U	< 2 U	–
WR-MW-05A	03/27/08	< 4 U	< 4 U	< 2 U	**17**	< 2 U	< 4000 U	< 40 U	< 2 U	1.1	–
WR-MW-05A	10/08/08	< 1 U	< 1 U	< 0.50 U	**28**	< 0.50 U	< 1000 U	< 10 U	< 0.50 U	0.60	–
WR-MW-05A	04/09/09	< 1 U	< 1 U	< 0.50 U	< 0.50 U	< 0.50 U	< 1000 U	< 10 U	< 0.50 U	< 0.50 U	–
WR-MW-05A	06/23/10	< 1 U	< 1 U	< 0.50 U	**52**	< 0.50 U	< 1000 U	< 10 U	< 0.50 U	< 0.50 U	–
WR-MW-05A	01/26/11	< 1 U	< 1 U	< 0.50 U	**62**	< 0.50 U	< 1000 U	< 10 U	< 0.50 U	< 0.50 U	–
WR-MW-05A	06/20/11	< 1 U	< 1 U	< 0.50 U	**67**	< 0.50 U	< 1000 U	< 10 U	< 0.50 U	< 0.50 U	–
WR-MW-05A	01/10/12	< 1 U	< 1 U	< 0.50 U	**47**	< 0.50 U	< 1000 U	< 10 U	< 0.50 U	< 0.50 U	–
WR-MW-05A	06/26/12	< 1 U	< 1 U	< 0.50 U	**29**	< 0.50 U	< 1000 U	< 10 U	< 0.50 U	< 0.50 U	–
WR-MW-05A	01/03/13	< 1 U	< 1 U	< 0.50 U	**20**	< 0.50 U	< 1000 U	< 10 U	< 0.50 U	< 0.50 U	–
WR-MW-05A	06/25/13	< 1 U	< 1 U	< 0.50 U	**10**	< 0.50 U	< 1000 U	< 10 U	< 0.50 U	< 0.50 U	–
WR-MW-05A	12/03/13	< 1 U	< 1 U	< 0.50 U	**12**	< 0.50 U	< 1000 U	< 10 U	< 0.50 U	< 0.50 U	–

Table B-1. Historical Groundwater Monitoring Results - Organics

Analyte		Bromoform	Chloro- methane	Chloroform	cis-1,2-DCE	Dibromochloro- methane	Ethanol	MEK	MTBE	PCE	Phenol
Units		µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
California MCL		80	N/A	80	6	80	N/A	N/A	13	5	N/A
Historical MCL Exceedances?		No	No	No	Yes	No	No	No	Yes	Yes	No
Well ID	**Sampled**										
WR-MW-05A	06/30/14	< 1 U	< 1 U	< 0.50 U	**19**	< 0.50 U	< 1000 U	< 10 U	< 0.50 U	< 0.50 U	–
WR-MW-05A	11/04/14	< 1 U	< 1 U	< 0.50 U	**36**	< 0.50 U	< 1000 U	< 10 U	< 0.50 U	< 0.50 U	–
WR-MW-05A	09/28/16	< 0.40 U	< 0.40 U	< 0.20 U	**8.4**	< 0.20 U	–	41	< 0.20 U	< 0.20 U	–
WR-MW-05A	12/21/16	< 0.40 U	< 0.40 U	< 0.20 U	**13**	< 0.20 U	–	23	< 0.20 U	0.80	–
WR-MW-05A	06/28/17	< 0.40 U	< 0.40 U	< 0.20 U	**14**	< 0.40 U	< 40 U	0.80 J	< 0.40 U	0.40 J	–
WR-MW-05A	12/19/17	< 0.40 U	< 0.8 U	< 0.20 U	**16**	< 0.40 U	< 80 U	4.2 J	< 0.40 U	0.40 J	–
WR-MW-05A	06/14/18	< 0.40 U	< 0.40 U	< 0.40 U	**19**	< 0.20 U	–	0.80 J	< 0.20 U	0.30 J	–
WR-MW-05A	12/14/18	< 0.50 U	< 0.50 U	< 0.50 U	**20**	< 0.50 U	–	< 5 UJ	< 0.50 U	0.23	–
WR-MW-05A	06/25/19	< 0.40 U	< 0.8 U	< 0.40 U	< 0.20 U	< 0.40 U	–	12	< 0.40 U	< 0.40 U	–
WR-MW-05A	12/30/19	< 0.40 U	< 0.8 U	< 0.40 U	**19 J**	< 0.40 U	–	< 4 U	< 0.40 U	0.30 J	–
WR-MW-05A	05/07/20	< 0.40 U	< 0.8 U	< 1 U	**19**	< 0.40 U	–	< 4 UJ	< 0.40 U	0.20	–
WR-MW-05A	11/18/20	< 0.30 U	< 0.50 U	< 0.20 U	**15**	< 0.20 U	–	10 J	< 0.30 U	0.19	–
WR-MW-05A	12/16/21	< 0.30 U	< 0.16 U	< 0.16 U	**12**	< 0.16 U	–	–	–	< 0.30 U	–
WR-MW-05A	06/08/22	< 0.30 U	< 0.16 U	< 0.16 U	**12**	< 0.16 U	–	–	–	0.13 J	–
WR-MW-05B	09/30/02	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	–	< 5 U	< 0.50 U	0.32 J	< 10 U
WR-MW-05B	02/09/03	< 1 U	< 1 U	< 0.50 U	< 0.50 U	< 0.50 U	–	< 10 U	< 0.50 U	< 0.50 U	–
WR-MW-05B	05/29/03	< 1 U	< 1 U	< 0.50 U	< 0.50 U	< 0.50 U	–	< 10 U	< 0.50 U	< 0.50 U	–
WR-MW-05B	08/06/03	< 1 U	< 1 U	< 0.50 U	< 0.50 U	< 0.50 U	< 1000 U	< 10 U	< 0.50 U	< 0.50 U	–
WR-MW-05B	11/10/03	< 1 U	< 1 U	< 0.50 U	< 0.50 U	< 0.50 U	< 1000 U	< 10 U	< 0.50 U	< 0.50 U	–
WR-MW-05B	12/08/04	< 1 U	< 1 U	< 0.50 U	< 0.50 U	< 0.50 U	< 1000 U	< 10 U	< 0.50 U	< 0.50 U	–
WR-MW-05B	12/07/05	< 1 U	< 1 U	< 0.50 U	< 0.50 U	< 0.50 U	< 1000 U	< 10 U	< 0.50 U	< 0.50 U	–
WR-MW-05B	12/13/06	< 1 U	< 1 U	< 0.50 U	< 0.50 U	< 0.50 U	< 1000 U	< 10 U	< 0.50 U	0.90	–
WR-MW-06A	10/03/02	< 0.50 U	0.16 J	< 0.50 U	< 0.50 U	< 0.50 U	–	< 5 U	< 0.50 U	< 0.50 U	< 10 U
WR-MW-06A	02/08/03	< 1 U	< 1 U	< 0.50 U	< 0.50 U	< 0.50 U	–	< 10 U	< 0.50 U	< 0.50 U	–
WR-MW-06A	05/22/03	< 1 U	< 1 U	< 0.50 U	< 0.50 U	< 0.50 U	–	< 10 U	< 0.50 U	< 0.50 U	–
WR-MW-06A	08/06/03	< 1 U	< 1 U	< 0.50 U	< 0.50 U	< 0.50 U	< 1000 U	< 10 U	< 0.50 U	< 0.50 U	–
WR-MW-06A	11/11/03	< 1 U	< 1 U	< 0.50 U	< 0.50 U	< 0.50 U	< 1000 U	< 10 U	< 0.50 U	< 0.50 U	–
WR-MW-06A	12/09/04	< 1 U	< 1 U	< 0.50 U	< 0.50 U	< 0.50 U	< 1000 U	< 10 U	< 0.50 U	< 0.50 U	–
WR-MW-06A	12/07/05	< 1 U	< 1 U	< 0.50 U	< 0.50 U	< 0.50 U	< 1000 U	< 10 U	< 0.50 U	< 0.50 U	–
WR-MW-06A	12/13/06	< 1 U	< 1 U	< 0.50 U	< 0.50 U	< 0.50 U	< 1000 U	< 10 U	< 0.50 U	< 0.50 U	–
WR-MW-06A	12/13/07	< 1 U	< 1 U	< 0.50 U	< 0.50 U	< 0.50 U	< 1000 U	< 10 U	< 0.50 U	< 0.50 U	–

Table B-1. Historical Groundwater Monitoring Results - Organics

	Analyte	Bromoform	Chloro- methane	Chloroform	cis-1,2-DCE	Dibromochloro-methane	Ethanol	MEK	MTBE	PCE	Phenol
	Units	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
	California MCL	80	N/A	80	6	80	N/A	N/A	13	5	N/A
	Historical MCL Exceedances?	No	No	No	Yes	No	No	No	Yes	Yes	No
Well ID	**Sampled**										
WR-MW-06A	10/07/08	< 1 U	< 1 U	< 0.50 U	< 0.50 U	< 0.50 U	< 1000 U	< 10 U	< 0.50 U	< 0.50 U	–
WR-MW-06B	09/30/02	< 0.50 U	< 0.50 U	0.74	< 0.50 U	< 0.50 U	–	< 5 U	< 0.50 U	< 0.50 U	< 10 U
WR-MW-06B	02/09/03	< 1 U	< 1 U	1.6	< 0.50 U	< 0.50 U	–	< 10 U	< 0.50 U	< 0.50 U	–
WR-MW-06B	05/22/03	< 1 U	< 1 U	1.8	< 0.50 U	< 0.50 U	–	< 10 U	< 0.50 U	< 0.50 U	–
WR-MW-06B	08/06/03	< 1 U	< 1 U	1.5	< 0.50 U	< 0.50 U	< 1000 U	< 10 U	< 0.50 U	< 0.50 U	–
WR-MW-06B	11/11/03	< 1 U	< 1 U	1.9	< 0.50 U	< 0.50 U	< 1000 U	< 10 U	< 0.50 U	< 0.50 U	–
WR-MW-06B	12/09/04	< 1 U	< 1 U	1.3	< 0.50 U	< 0.50 U	< 1000 U	< 10 U	< 0.50 U	< 0.50 U	–
WR-MW-06B	12/07/05	< 1 U	< 1 U	1.1	< 0.50 U	< 0.50 U	< 1000 U	< 10 U	< 0.50 U	< 0.50 U	–
WR-MW-06B	12/13/06	< 1 U	< 1 U	1.2	< 0.50 U	< 0.50 U	< 1000 U	< 10 U	< 0.50 U	< 0.50 U	–
WR-MW-06B	12/13/07	< 1 U	< 1 U	< 0.50 U	< 0.50 U	< 0.50 U	< 1000 U	< 10 U	< 0.50 U	< 0.50 U	–
WR-MW-07A	10/03/02	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	–	< 5 U	< 0.50 U	1.5	< 10 U
WR-MW-07A	02/12/03	< 1 U	< 1 U	< 0.50 U	< 0.50 U	< 0.50 U	–	< 10 U	< 0.50 U	1.4	–
WR-MW-07A	05/28/03	< 1 U	< 1 U	< 0.50 U	< 0.50 U	< 0.50 U	–	< 10 U	< 0.50 U	1.3	–
WR-MW-07A	08/06/03	< 1 U	< 1 U	< 0.50 U	< 0.50 U	< 0.50 U	< 1000 U	< 10 U	< 0.50 U	1.2	–
WR-MW-07A	11/11/03	< 1 U	< 1 U	< 0.50 U	< 0.50 U	< 0.50 U	< 1000 U	< 10 U	< 0.50 U	1.6	–
WR-MW-07A	02/10/04	< 1 U	< 1 U	< 0.50 U	< 0.50 U	< 0.50 U	< 1000 U	< 10 U	< 0.50 U	1.7	–
WR-MW-07A	05/24/04	< 1 U	< 1 U	< 0.50 U	< 0.50 U	< 0.50 U	–	< 10 U	< 0.50 U	2.2	–
WR-MW-07A	09/03/04	< 1 U	< 1 U	< 0.50 U	< 0.50 U	< 0.50 U	< 1000 U	< 10 U	< 0.50 U	2.6 J+	–
WR-MW-07A	12/07/04	< 1 U	< 1 U	< 0.50 U	< 0.50 U	< 0.50 U	< 1000 U	< 10 U	< 0.50 U	1.7	–
WR-MW-07A	03/02/05	< 1 U	< 1 U	< 0.50 U	< 0.50 U	< 0.50 U	< 1000 U	< 10 U	< 0.50 U	1.7	–
WR-MW-07A	06/07/05	< 1 U	< 1 U	< 0.50 U	< 0.50 U	< 0.50 U	< 1000 U	< 10 U	< 0.50 U	2.8	–
WR-MW-07A	09/14/05	< 1 U	< 1 U	< 0.50 U	< 0.50 U	< 0.50 U	< 1000 U	< 10 U	< 0.50 U	2.5	–
WR-MW-07A	12/08/05	< 1 U	< 1 U	< 0.50 U	< 0.50 U	< 0.50 U	< 1000 U	< 10 U	0.70	2.5	–
WR-MW-07A	03/14/06	< 1 U	< 1 U	< 0.50 U	< 0.50 U	< 0.50 U	< 1000 U	< 10 U	2.6	2.9	–
WR-MW-07A	06/27/06	< 1 U	< 1 U	< 0.50 U	< 0.50 U	< 0.50 U	< 1000 U	< 10 U	2.6	3.0	–
WR-MW-07A	09/25/06	< 1 U	< 1 U	< 0.50 U	0.60	< 0.50 U	< 1000 U	< 10 U	< 0.50 U	3.2	–
WR-MW-07A	12/13/06	< 1 U	< 1 U	< 0.50 U	0.90	< 0.50 U	< 1000 U	< 10 U	< 0.50 U	3.0	–
WR-MW-07A	03/26/07	< 1 U	< 1 U	< 0.50 U	1.3	< 0.50 U	< 1000 U	< 10 U	< 0.50 U	1.4	–
WR-MW-07A	06/12/07	< 1 U	< 1 U	< 0.50 U	< 0.50 U	< 0.50 U	< 1000 U	< 10 U	< 0.50 U	1.3	–
WR-MW-07A	09/25/07	< 1 U	< 1 U	< 0.50 U	< 0.50 U	< 0.50 U	< 1000 U	< 10 U	< 0.50 U	1.6	–
WR-MW-07A	12/13/07	< 1 U	< 1 U	< 0.50 U	< 0.50 U	< 0.50 U	< 1000 U	< 10 U	< 0.50 U	2.3	–

Table B-1. Historical Groundwater Monitoring Results - Organics

Analyte		Bromoform	Chloro- methane	Chloroform	cis-1,2-DCE	Dibromochloro- methane	Ethanol	MEK	MTBE	PCE	Phenol
Units		µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
California MCL		80	N/A	80	6	80	N/A	N/A	13	5	N/A
Historical MCL Exceedances?		No	No	No	Yes	No	No	No	Yes	Yes	No
Well ID	**Sampled**										
WR-MW-07A	03/26/08	< 1 U	< 1 U	< 0.50 U	3.2	< 0.50 U	< 1000 U	< 10 U	< 0.50 U	1.6	–
WR-MW-07A	10/07/08	< 1 U	< 1 U	< 0.50 U	1.0	< 0.50 U	< 1000 U	< 10 U	< 0.50 U	2.1	–
WR-MW-07A	04/07/09	< 1 U	< 1 U	< 0.50 U	1.3	< 0.50 U	< 1000 U	< 10 U	< 0.50 U	1.7	–
WR-MW-07A	06/24/10	< 1 U	< 1 U	< 0.50 U	1.1	< 0.50 U	< 1000 U	< 10 U	< 0.50 U	1.4	–
WR-MW-08A	10/03/02	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	–	< 5 U	< 0.50 U	2.6 J+	< 10 U
WR-MW-08A	02/08/03	< 1 U	< 1 U	< 0.50 U	< 0.50 U	< 0.50 U	–	< 10 U	< 0.50 U	4.5	–
WR-MW-08A	05/27/03	< 1 U	< 1 U	< 0.50 U	< 0.50 U	< 0.50 U	–	< 10 U	< 0.50 U	**5.1**	–
WR-MW-08A	08/05/03	< 1 U	< 1 U	< 0.50 U	< 0.50 U	< 0.50 U	< 1000 U	< 10 U	< 0.50 U	**5.1**	–
WR-MW-08A	11/10/03	< 1 U	< 1 U	< 0.50 U	< 0.50 U	< 0.50 U	< 1000 U	< 10 U	< 0.50 U	**5.2**	–
WR-MW-08A	02/10/04	< 1 U	< 1 U	< 0.50 U	< 0.50 U	< 0.50 U	< 1000 U	< 10 U	< 0.50 U	**6.5**	–
WR-MW-08A	05/25/04	< 1 U	< 1 U	< 0.50 U	< 0.50 U	< 0.50 U	–	< 10 U	< 0.50 U	**6.3**	–
WR-MW-08A	09/03/04	< 1 U	< 1 U	< 0.50 U	< 0.50 U	< 0.50 U	< 1000 U	< 10 U	< 0.50 U	4.2 J+	–
WR-MW-08A	12/08/04	< 1 U	< 1 U	< 0.50 U	< 0.50 U	< 0.50 U	< 1000 U	< 10 U	< 0.50 U	**5.8**	–
WR-MW-08A	03/02/05	< 1 U	< 1 U	< 0.50 U	< 0.50 U	< 0.50 U	< 1000 U	< 10 U	< 0.50 U	**11**	–
WR-MW-08A	06/07/05	< 1 U	< 1 U	< 0.50 U	< 0.50 U	< 0.50 U	< 1000 U	< 10 U	< 0.50 U	**6.0**	–
WR-MW-08A	09/14/05	< 1 U	< 1 U	< 0.50 U	< 0.50 U	< 0.50 U	–	< 10 U	< 0.50 U	**6.3**	–
WR-MW-08A	12/06/05	< 1 U	< 1 U	< 0.50 U	< 0.50 U	< 0.50 U	–	< 10 U	< 0.50 U	2.8	–
WR-MW-08A	03/14/06	< 1 U	< 1 U	< 0.50 U	< 0.50 U	< 0.50 U	–	< 10 U	< 0.50 U	**11**	–
WR-MW-08A	06/27/06	< 1 U	< 1 U	< 0.50 U	< 0.50 U	< 0.50 U	< 1000 U	< 10 U	< 0.50 U	**12**	–
WR-MW-08A	09/26/06	< 1 U	< 1 U	< 0.50 U	< 0.50 U	< 0.50 U	< 1000 U	< 10 U	< 0.50 U	**12**	–
WR-MW-08A	12/13/06	< 1 U	< 1 U	< 0.50 U	< 0.50 U	< 0.50 U	< 1000 U	< 10 U	< 0.50 U	**15**	–
WR-MW-08A	03/26/07	< 1 U	< 1 U	< 0.50 U	1.6	< 0.50 U	< 1000 U	< 10 U	< 0.50 U	**7.3**	–
WR-MW-08A	06/11/07	< 1 U	< 1 U	< 0.50 U	3.4	< 0.50 U	< 1000 U	< 10 U	< 0.50 U	**6.1**	–
WR-MW-08A	09/25/07	< 1 U	< 1 U	< 0.50 U	2.4	< 0.50 U	< 1000 U	< 10 U	< 0.50 U	3.5	–
WR-MW-08A	12/13/07	< 1 U	< 1 U	< 0.50 U	< 0.50 U	< 0.50 U	< 1000 U	< 10 U	< 0.50 U	**6.3**	–
WR-MW-08A	03/26/08	< 1 U	< 1 U	< 0.50 U	1.5	< 0.50 U	< 1000 U	< 10 U	< 0.50 U	**6.2**	–
WR-MW-08A	10/07/08	< 1 U	< 1 U	< 0.50 U	0.50	< 0.50 U	< 1000 U	< 10 U	< 0.50 U	3.2	–
WR-MW-08A	04/09/09	< 1 U	< 1 U	< 0.50 U	1.6	< 0.50 U	< 1000 U	< 10 U	< 0.50 U	4.6	–
WR-MW-08A	06/24/10	< 1 U	< 1 U	< 0.50 U	3.6	< 0.50 U	< 1000 U	< 10 U	< 0.50 U	**8.4**	–
WR-MW-08A	01/27/11	< 1 U	< 1 U	< 0.50 U	1.7	< 0.50 U	< 1000 U	< 10 U	< 0.50 U	**8.4**	–
WR-MW-08A	06/20/11	< 1 U	< 1 U	< 0.50 U	1.9	< 0.50 U	< 1000 U	< 10 U	< 0.50 U	**9.8**	–

Table B-1. Historical Groundwater Monitoring Results - Organics

Analyte		Bromoform	Chloro- methane	Chloroform	cis-1,2-DCE	Dibromochloro-methane	Ethanol	MEK	MTBE	PCE	Phenol
Units		µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
California MCL		80	N/A	80	6	80	N/A	N/A	13	5	N/A
Historical MCL Exceedances?		No	No	No	Yes	No	No	No	Yes	Yes	No
Well ID	**Sampled**										
WR-MW-08A	01/11/12	< 1 U	< 1 U	< 0.50 U	< 0.50 U	< 0.50 U	< 1000 U	< 10 U	< 0.50 U	**8.0**	–
WR-MW-08A	06/26/12	< 1 U	< 1 U	< 0.50 U	< 0.50 U	< 0.50 U	< 1000 U	< 10 U	< 0.50 U	**6.8**	–
WR-MW-08A	01/03/13	< 1 U	< 1 U	< 0.50 U	1.2	< 0.50 U	< 1000 U	< 10 U	< 0.50 U	**5.6**	–
WR-MW-08A	06/25/13	< 1 U	< 1 U	< 0.50 U	1.5	< 0.50 U	< 1000 U	< 10 U	< 0.50 U	4.0	–
WR-MW-08A	12/03/13	< 1 U	< 1 U	< 0.50 U	< 0.50 U	< 0.50 U	< 1000 U	< 10 U	< 0.50 U	3.2	–
WR-MW-08A	06/30/14	< 1 U	< 1 U	< 0.50 U	< 0.50 U	< 0.50 U	< 1000 U	< 10 U	< 0.50 U	2.0	–
WR-MW-08A	11/05/14	< 1 U	< 1 U	< 0.50 U	< 0.50 U	< 0.50 U	< 1000 U	< 10 U	< 0.50 U	1.3	–
WR-MW-08A	09/28/16	< 0.40 U	< 0.40 U	1.3	< 0.20 U	< 0.20 U	–	41	< 0.20 U	< 0.20 U	–
WR-MW-08A	12/21/16	< 0.40 U	< 0.40 U	1.2	< 0.20 U	0.20 J	–	18	< 0.20 U	< 0.20 U	–
WR-MW-08A	06/28/17	< 0.40 U	< 0.40 U	0.30 J	< 0.40 U	0.20 J	< 40 U	< 2 U	< 0.40 U	< 0.20 U	–
WR-MW-08A	12/19/17	< 0.40 U	< 0.8 U	< 0.20 U	< 0.40 U	< 0.40 U	< 80 U	1.7 J	< 0.40 U	< 0.20 U	–
WR-MW-08A	06/14/18	< 0.40 U	< 0.40 U	< 0.40 U	< 0.20 U	< 0.20 U	–	0.80 J	< 0.20 U	< 0.20 U	–
WR-MW-08A	12/14/18	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	–	< 5 UJ	< 0.50 U	< 0.50 U	–
WR-MW-08A	06/25/19	< 0.40 U	< 0.8 U	< 0.40 U	< 0.20 U	< 0.40 U	–	1.0	< 0.40 U	< 0.40 U	–
WR-MW-08A	12/30/19	< 0.40 U	< 0.8 U	< 0.40 U	< 0.40 U	< 0.40 U	–	< 4 U	< 0.40 U	< 0.40 U	–
WR-MW-08A	05/07/20	< 0.40 U	< 0.8 U	< 1 U	< 0.40 U	< 0.40 U	–	< 4 UJ	< 0.40 U	< 0.40 U	–
WR-MW-08A	11/18/20	< 0.30 U	< 0.50 U	< 0.20 U	< 0.20 U	< 0.20 U	–	10 J	< 0.30 U	< 0.30 U	–
WR-MW-08A	12/16/21	< 0.30 U	< 0.16 U	< 0.16 U	< 0.16 U	< 0.16 U	–	–	–	0.14 J	–
WR-MW-08A	12/16/21	< 0.30 U	< 0.16 U	< 0.16 U	< 0.16 U	< 0.16 U	–	–	–	0.12 J	–
WR-MW-08A	06/08/22	< 0.30 U	< 0.16 U	< 0.16 U	< 0.16 U	< 0.16 U	–	–	–	< 0.30 U	–
WR-MW-08A	06/08/22	< 0.30 U	< 0.16 U	< 0.16 U	< 0.16 U	< 0.16 U	–	–	–	< 0.30 U	–
WR-MW-09A	10/03/02	< 1 U	0.41 J	0.22 J	< 1 U	< 1 U	–	< 10 U	0.21 J	**54**	< 10 U
WR-MW-09A	02/12/03	< 1 U	< 1 U	< 0.50 U	< 0.50 U	< 0.50 U	–	< 10 U	0.50	**66**	–
WR-MW-09A	06/26/03	< 1 U	< 1 U	0.8	< 0.50 U	< 0.50 U	–	< 10 U	1.0	**55**	–
WR-MW-09A	08/06/03	< 1 U	< 1 U	< 0.50 U	< 0.50 U	< 0.50 U	< 1000 U	< 10 U	0.90	**37**	< 9.6 U
WR-MW-09A	11/11/03	< 1 U	< 1 U	< 0.50 U	< 0.50 U	< 0.50 U	< 1000 U	< 10 U	2.7	**58**	< 9.5 U
WR-MW-09A	02/10/04	< 1 U	< 1 U	< 0.50 U	< 0.50 U	< 0.50 U	< 1000 U	< 10 U	5.6	**48**	< 9.6 U
WR-MW-09A	05/24/04	< 1 U	< 1 U	< 0.50 U	1.0	< 0.50 U	–	< 10 U	4.1	**40**	< 9.6 U
WR-MW-09A	09/02/04	< 1 U	< 1 U	< 0.50 U	4.1	< 0.50 U	< 1000 U	< 10 U	4.2	**54**	< 10 U
WR-MW-09A	12/08/04	< 1 U	< 1 U	< 0.50 U	**7.9 J+**	< 0.50 U	< 1000 U	< 10 U	2.3 J+	**50 J+**	< 9.5 U
WR-MW-09A	12/08/04	< 1 U	< 1 U	< 0.50 U	**6.8**	< 0.50 U	< 1000 U	< 10 U	2.1	**37**	< 10 U

Table B-1. Historical Groundwater Monitoring Results - Organics

Analyte		Bromoform	Chloro- methane	Chloroform	cis-1,2-DCE	Dibromochloro-methane	Ethanol	MEK	MTBE	PCE	Phenol
Units		µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
California MCL		80	N/A	80	6	80	N/A	N/A	13	5	N/A
Historical MCL Exceedances?		No	No	No	Yes	No	No	No	Yes	Yes	No
Well ID	**Sampled**										
WR-MW-09A	03/01/05	< 1 U	< 1 U	< 0.50 U	3.3	< 0.50 U	< 1000 U	< 10 U	3.2	**57**	< 9.5 U
WR-MW-09A	06/07/05	< 1 U	< 1 U	< 0.50 U	3.8	< 0.50 U	< 1000 U	< 10 U	4.4	**44**	< 9.5 U
WR-MW-09A	09/14/05	< 1 U	< 1 U	< 0.50 U	5.5	< 0.50 U	–	< 10 U	4.9	**53**	< 9.7 U
WR-MW-09A	12/06/05	< 1 U	< 1 U	< 0.50 U	**12**	< 0.50 U	–	< 10 U	0.90	**50**	< 9.4 U
WR-MW-09A	12/06/05	< 1 U	< 1 U	< 0.50 U	**11**	< 0.50 U	–	< 10 U	10	**49**	< 9.4 U
WR-MW-09A	03/14/06	< 1 U	< 1 U	< 0.50 U	**14**	< 0.50 U	–	< 10 U	2.2	**40**	< 9.4 U
WR-MW-09A	06/26/06	< 1 U	< 1 U	< 0.50 U	**27**	< 0.50 U	< 1000 U	110	4.1	**11**	–
WR-MW-09A	09/26/06	< 1 U	< 1 U	< 0.50 U	**22**	< 0.50 U	< 1000 U	140	3.2	< 0.50 U	–
WR-MW-09A	12/13/06	< 1 U	< 1 U	< 0.50 U	**18**	< 0.50 U	< 1000 U	19	3.0	1.5	–
WR-MW-09A	03/27/07	< 1 U	< 1 U	< 0.50 U	**14**	< 0.50 U	< 1000 U	< 10 U	2.2	1.6	–
WR-MW-09A	07/12/07	< 1 U	< 1 U	< 0.50 U	**16**	< 0.50 U	< 1000 U	< 10 U	2.4	1.3	–
WR-MW-09A	09/26/07	< 1 U	< 1 U	< 0.50 U	**11**	< 0.50 U	< 1000 U	< 10 U	2.3	1.6	–
WR-MW-09A	12/12/07	< 1 U	< 1 U	< 0.50 U	**11**	< 0.50 U	< 1000 U	< 10 U	1.7	1.5	–
WR-MW-09A	10/08/08	< 1 U	< 1 U	< 0.50 U	**8.9**	< 0.50 U	< 1000 U	< 10 U	1.4	1.1	–
WR-MW-09A	04/09/09	< 1 U	< 1 U	< 0.50 U	**8.0**	< 0.50 U	< 1000 U	< 10 U	0.70	0.90	–
WR-MW-09A	06/24/10	< 1 U	< 1 U	< 0.50 U	**12**	< 0.50 U	< 1000 U	< 10 U	< 0.50 U	< 0.50 U	–
WR-MW-09A	01/26/11	< 1 U	< 1 U	< 0.50 U	**10**	< 0.50 U	< 1000 U	< 10 U	< 0.50 U	< 0.50 U	–
WR-MW-09A	06/20/11	< 1 U	< 1 U	< 0.50 U	**14**	< 0.50 U	< 1000 U	< 10 U	< 0.50 U	0.50	–
WR-MW-09A	01/10/12	< 1 U	< 1 U	< 0.50 U	**12**	< 0.50 U	< 1000 U	< 10 U	< 0.50 U	< 0.50 U	–
WR-MW-09A	06/26/12	< 1 U	< 1 U	< 0.50 U	**15**	< 0.50 U	< 1000 U	< 10 U	< 0.50 U	< 0.50 U	–
WR-MW-09A	01/03/13	< 1 U	< 1 U	< 0.50 U	**20**	< 0.50 U	< 1000 U	< 10 U	< 0.50 U	< 0.50 U	–
WR-MW-09A	06/25/13	< 1 U	< 1 U	< 0.50 U	**20**	< 0.50 U	< 1000 U	< 10 U	< 0.50 U	< 0.50 U	–
WR-MW-09A	12/03/13	< 1 U	< 1 U	< 0.50 U	**20**	< 0.50 U	< 1000 U	< 10 U	< 0.50 U	< 0.50 U	–
WR-MW-09A	06/30/14	< 1 U	< 1 U	< 0.50 U	**18**	< 0.50 U	< 1000 U	< 10 U	< 0.50 U	< 0.50 U	–
WR-MW-09A	11/04/14	< 1 U	< 1 U	< 0.50 U	**18**	< 0.50 U	< 1000 U	< 10 U	< 0.50 U	< 0.50 U	–
WR-MW-09A	09/28/16	< 0.40 U	< 0.40 U	< 0.20 U	**27**	< 0.20 U	–	39	< 0.20 U	0.20 J	–
WR-MW-09A	12/21/16	0.40 J	0.40 J	0.20 J	**40 J**	0.20 J	–	24 J	0.20 J	0.70 J	–
WR-MW-09A	12/21/16	< 0.40 U	< 0.40 U	< 0.20 U	**41**	< 0.20 U	–	24	< 0.20 U	0.70	–
WR-MW-09A	06/28/17	< 0.40 U	< 0.40 U	< 0.20 U	**32**	< 0.40 U	< 40 U	1.4 J	< 0.40 U	0.50	–
WR-MW-09A	12/19/17	< 0.40 U	< 0.8 U	< 0.20 U	**30**	< 0.40 U	< 80 U	4.6 J	< 0.40 U	0.90	–
WR-MW-09A	06/14/18	< 0.40 U	< 0.40 U	< 0.40 U	**34**	< 0.20 U	–	0.70 J	< 0.20 U	1.2	–

Table B-1. Historical Groundwater Monitoring Results - Organics

Analyte		Bromoform	Chloro- methane	Chloroform	cis-1,2-DCE	Dibromochloro- methane	Ethanol	MEK	MTBE	PCE	Phenol
Units		µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
California MCL		80	N/A	80	6	80	N/A	N/A	13	5	N/A
Historical MCL Exceedances?		No	No	No	Yes	No	No	No	Yes	Yes	No
Well ID	**Sampled**										
WR-MW-09A	12/14/18	< 0.50 U	< 0.50 U	< 0.50 U	**26**	< 0.50 U	–	< 5 UJ	< 0.50 U	0.43	–
WR-MW-09A	06/25/19	< 0.40 U	< 0.8 U	< 0.40 U	**25**	< 0.40 U	–	1.0	< 0.40 U	0.60	–
WR-MW-09A	12/30/19	< 0.40 U	< 0.8 U	< 0.40 U	**13**	< 0.40 U	–	< 4 U	< 0.40 U	0.40 J	–
WR-MW-09A	05/07/20	< 0.40 U	< 0.8 U	< 1 U	**22**	< 0.40 U	–	< 4 UJ	< 0.40 U	0.40	–
WR-MW-09A	11/18/20	< 0.30 U	< 0.50 U	< 0.20 U	**16**	< 0.20 U	–	10 J	< 0.30 U	0.46	–
WR-MW-09A	12/16/21	< 0.30 U	< 0.16 U	< 0.16 U	4.1	< 0.16 U	–	–	–	0.12 J	–
WR-MW-09A	06/08/22	< 0.30 U	< 0.16 U	< 0.16 U	**10**	< 0.16 U	–	–	–	0.25 J	–
WR-MW-10A	09/03/04	< 1 U	< 1 U	< 0.50 U	< 0.50 U	< 0.50 U	< 1000 U	< 10 U	1.8 J+	**14 J+**	–
WR-MW-10A	12/08/04	< 1 U	< 1 U	< 0.50 U	< 0.50 U	< 0.50 U	< 1000 U	< 10 U	2.2 J+	**19 J+**	–
WR-MW-10A	03/02/05	< 1 U	< 1 U	< 0.50 U	< 0.50 U	< 0.50 U	< 1000 U	< 10 U	< 0.50 U	**17**	–
WR-MW-10A	06/07/05	< 1 U	< 1 U	< 0.50 U	< 0.50 U	< 0.50 U	< 1000 U	< 10 U	1.7	**23**	–
WR-MW-10A	09/13/05	< 1 U	< 1 U	< 0.50 U	< 0.50 U	< 0.50 U	–	< 10 U	1.1	**19**	–
WR-MW-10A	12/06/05	< 1 U	< 1 U	< 0.50 U	< 0.50 U	< 0.50 U	–	< 10 U	1.1	**18**	–
WR-MW-10A	03/14/06	< 1 U	< 1 U	< 0.50 U	< 0.50 U	< 0.50 U	–	< 10 U	< 0.50 U	**15**	–
WR-MW-10A	06/27/06	< 1 U	< 1 U	< 0.50 U	< 0.50 U	< 0.50 U	< 1000 U	< 10 U	< 0.50 U	**19**	–
WR-MW-10A	09/25/06	< 1 U	< 1 U	< 0.50 U	< 0.50 U	< 0.50 U	< 1000 U	< 10 U	< 0.50 U	**31**	–
WR-MW-10A	12/13/06	< 1 U	< 1 U	< 0.50 U	< 0.50 U	< 0.50 U	< 1000 U	< 10 U	< 0.50 U	**24**	–
WR-MW-10A	03/26/07	< 1 U	< 1 U	< 0.50 U	0.90	< 0.50 U	< 1000 U	< 10 U	< 0.50 U	**24**	–
WR-MW-10A	06/11/07	< 1 U	< 1 U	< 0.50 U	1.9	< 0.50 U	< 1000 U	< 10 U	0.60	**19**	–
WR-MW-10A	09/26/07	< 1 U	< 1 U	< 0.50 U	2.1	< 0.50 U	< 1000 U	< 10 U	0.50	**10**	–
WR-MW-10A	12/13/07	< 1 U	< 1 U	< 0.50 U	0.70	< 0.50 U	< 1000 U	< 10 U	1.6	**30**	–
WR-MW-10A	03/26/08	< 1 U	< 1 U	< 0.50 U	**32**	< 0.50 U	< 1000 U	< 10 U	1.7	1.1	–
WR-MW-10A	10/07/08	< 1 U	< 1 U	< 0.50 U	2.1	< 0.50 U	< 1000 U	< 10 U	1.4	**22**	–
WR-MW-10A	04/08/09	< 1 U	< 1 U	< 0.50 U	**9.5**	< 0.50 U	< 1000 U	< 10 U	1.1	**21**	–
WR-MW-10A	09/28/09	< 1 U	< 1 U	< 0.50 U	**8.1**	< 0.50 U	< 1000 U	< 10 U	0.60	**15**	–
WR-MW-10A	06/24/10	< 1 U	< 1 U	< 0.50 U	2.8	< 0.50 U	< 1000 U	< 10 U	< 0.50 U	**17**	–
WR-MW-10A	01/27/11	< 1 U	< 1 U	< 0.50 U	4.1	< 0.50 U	< 1000 U	< 10 U	< 0.50 U	**25**	–
WR-MW-10A	06/21/11	< 1 U	< 1 U	< 0.50 U	**7.8**	< 0.50 U	< 1000 U	< 10 U	< 0.50 U	**17**	–
WR-MW-10A	01/11/12	< 1 U	< 1 U	< 0.50 U	2.4	< 0.50 U	< 1000 U	< 10 U	< 0.50 U	**23**	–
WR-MW-10A	06/27/12	< 1 U	< 1 U	< 0.50 U	1.7	< 0.50 U	< 1000 U	< 10 U	< 0.50 U	**23**	–
WR-MW-10A	01/04/13	< 1 U	< 1 U	< 0.50 U	4.9	< 0.50 U	< 1000 U	< 10 U	< 0.50 U	**18**	–

Table B-1. Historical Groundwater Monitoring Results - Organics

Analyte		Bromoform	Chloro- methane	Chloroform	cis-1,2-DCE	Dibromochloro- methane	Ethanol	MEK	MTBE	PCE	Phenol
Units		µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
California MCL		80	N/A	80	6	80	N/A	N/A	13	5	N/A
Historical MCL Exceedances?		No	No	No	Yes	No	No	No	Yes	Yes	No
Well ID	**Sampled**										
WR-MW-10A	06/26/13	< 1 U	< 1 U	< 0.50 U	2.3	< 0.50 U	< 1000 U	< 10 U	< 0.50 U	**14**	–
WR-MW-10A	12/04/13	< 1 U	< 1 U	< 0.50 U	2.2	< 0.50 U	< 1000 U	< 10 U	< 0.50 U	**23**	–
WR-MW-10A	07/01/14	< 1 U	< 1 U	< 0.50 U	1.9	< 0.50 U	< 1000 U	< 10 U	< 0.50 U	**17**	–
WR-MW-10A	11/05/14	< 1 U	< 1 U	< 0.50 U	2.8	< 0.50 U	< 1000 U	< 10 U	< 0.50 U	**14**	–
WR-MW-10A	11/18/20	< 0.30 U	< 0.50 U	< 0.20 U	4.0	< 0.20 U	–	10 J	< 0.30 U	**7.4**	–
WR-MW-10A	12/16/21	< 0.30 U	< 0.16 U	< 0.16 U	3.4	< 0.16 U	–	–	–	1.6	–
WR-MW-10A	06/08/22	< 0.30 U	< 0.16 U	< 0.16 U	3.4	< 0.16 U	–	–	–	4.6	–
WR-MW-11A	09/03/04	< 1 U	< 1 U	< 0.50 U	< 0.50 U	< 0.50 U	< 1000 U	< 10 U	< 0.50 U	1.5 J+	–
WR-MW-11A	12/08/04	< 1 U	< 1 U	< 0.50 U	< 0.50 U	< 0.50 U	< 1000 U	< 10 U	< 0.50 U	3.3	–
WR-MW-11A	03/02/05	< 1 U	< 1 U	< 0.50 U	< 0.50 U	< 0.50 U	< 1000 U	< 10 U	< 0.50 U	2.1	–
WR-MW-11A	06/07/05	< 1 U	< 1 U	< 0.50 U	< 0.50 U	< 0.50 U	< 1000 U	< 10 U	< 0.50 U	3.3	–
WR-MW-11A	09/14/05	< 1 U	< 1 U	< 0.50 U	< 0.50 U	< 0.50 U	< 1000 U	< 10 U	< 0.50 U	3.8	–
WR-MW-11A	12/08/05	< 1 U	< 1 U	< 0.50 U	< 0.50 U	< 0.50 U	< 1000 U	< 10 U	< 0.50 U	**5.0**	–
WR-MW-11A	03/14/06	< 1 U	< 1 U	< 0.50 U	< 0.50 U	< 0.50 U	< 1000 U	< 10 U	< 0.50 U	4.3	–
WR-MW-11A	06/27/06	< 1 U	< 1 U	< 0.50 U	< 0.50 U	< 0.50 U	< 1000 U	< 10 U	< 0.50 U	4.7	–
WR-MW-11A	09/26/06	< 1 U	< 1 U	< 0.50 U	< 0.50 U	< 0.50 U	< 1000 U	< 10 U	< 0.50 U	**6.0**	–
WR-MW-11A	12/13/06	< 1 U	< 1 U	< 0.50 U	< 0.50 U	< 0.50 U	< 1000 U	< 10 U	< 0.50 U	3.9	–
WR-MW-11A	03/26/07	< 1 U	< 1 U	< 0.50 U	< 0.50 U	< 0.50 U	< 1000 U	< 10 U	< 0.50 U	4.6	–
WR-MW-11A	06/11/07	< 1 U	< 1 U	< 0.50 U	< 0.50 U	< 0.50 U	< 1000 U	< 10 U	< 0.50 U	4.5	–
WR-MW-11A	09/25/07	< 1 U	< 1 U	< 0.50 U	< 0.50 U	< 0.50 U	< 1000 U	< 10 U	< 0.50 U	4.4	–
WR-MW-11A	12/13/07	< 1 U	< 1 U	< 0.50 U	< 0.50 U	< 0.50 U	< 1000 U	< 10 U	< 0.50 U	**5.4**	–
WR-MW-11A	03/26/08	< 1 U	< 1 U	< 0.50 U	< 0.50 U	< 0.50 U	< 1000 U	< 10 U	< 0.50 U	**6.9**	–
WR-MW-11A	10/07/08	< 1 U	< 1 U	< 0.50 U	0.60	< 0.50 U	< 1000 U	< 10 U	< 0.50 U	**9.2**	–
WR-MW-11A	04/08/09	< 1 U	< 1 U	< 0.50 U	< 0.50 U	< 0.50 U	< 1000 U	< 10 U	< 0.50 U	**5.5**	–
WR-MW-11A	09/28/09	< 1 U	< 1 U	< 0.50 U	< 0.50 U	< 0.50 U	< 1000 U	< 10 U	< 0.50 U	**9.2**	–
WR-MW-11A	06/24/10	< 1 U	< 1 U	< 0.50 U	< 0.50 U	< 0.50 U	< 1000 U	< 10 U	< 0.50 U	**9.4**	–
WR-MW-11A	01/27/11	< 1 U	< 1 U	< 0.50 U	< 0.50 U	< 0.50 U	< 1000 U	< 10 U	< 0.50 U	**12**	–
WR-MW-11A	06/21/11	< 1 U	< 1 U	< 0.50 U	0.70	< 0.50 U	< 1000 U	< 10 U	< 0.50 U	**10**	–
WR-MW-11A	01/11/12	< 1 U	< 1 U	< 0.50 U	0.90	< 0.50 U	< 1000 U	< 10 U	< 0.50 U	**10**	–
WR-MW-11A	06/26/12	< 1 U	< 1 U	< 0.50 U	1.5	< 0.50 U	< 1000 U	< 10 U	< 0.50 U	**10**	–
WR-MW-11A	01/03/13	< 1 U	< 1 U	< 0.50 U	2.2	< 0.50 U	< 1000 U	< 10 U	< 0.50 U	**9.9**	–

Table B-1. Historical Groundwater Monitoring Results - Organics

Analyte		Bromoform	Chloro- methane	Chloroform	cis-1,2-DCE	Dibromochloro- methane	Ethanol	MEK	MTBE	PCE	Phenol
Units		µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
California MCL		80	N/A	80	6	80	N/A	N/A	13	5	N/A
Historical MCL Exceedances?		No	No	No	Yes	No	No	No	Yes	Yes	No
Well ID	**Sampled**										
WR-MW-11A	06/25/13	< 1 U	< 1 U	< 0.50 U	2.1	< 0.50 U	< 1000 U	< 10 U	< 0.50 U	**7.9**	–
WR-MW-11A	12/03/13	< 1 U	< 1 U	< 0.50 U	2.0	< 0.50 U	< 1000 U	< 10 U	< 0.50 U	**9.5**	–
WR-MW-11A	07/01/14	< 1 U	< 1 U	< 0.50 U	2.2	< 0.50 U	< 1000 U	< 10 U	< 0.50 U	**8.6**	–
WR-MW-11A	11/05/14	< 1 U	< 1 U	< 0.50 U	2.0	< 0.50 U	< 1000 U	< 10 U	< 0.50 U	**7.3**	–
WR-MW-11A	09/28/16	< 0.40 U	< 0.40 U	< 0.20 U	0.50	< 0.20 U	–	42	< 0.20 U	2.1	–
WR-MW-11A	12/21/16	< 0.40 U	< 0.40 U	< 0.20 U	2.1	< 0.20 U	–	26	< 0.20 U	**7.3**	–
WR-MW-11A	06/28/17	< 0.40 U	< 0.40 U	< 0.20 U	2.1 J	< 0.40 U	< 40 U	1.3 J	< 0.40 U	**7.1 J**	–
WR-MW-11A	12/19/17	< 0.40 U	< 0.8 U	< 0.40 U	2.2	< 0.40 U	22 J	5.9 J	< 0.40 U	**5.1 J**	–
WR-MW-11A	12/14/18	< 0.50 U	< 0.50 U	< 0.50 U	0.69	< 0.50 U	–	< 5 UJ	< 0.50 U	2.5	–
WR-MW-11A	06/25/19	< 0.40 U	< 0.8 U	< 0.40 U	1.7	< 0.40 U	–	< 1 U	< 0.40 U	**6.3**	–
WR-MW-11A	12/30/19	< 0.40 U	< 0.8 U	< 0.40 U	0.80 J	< 0.40 U	–	< 4 U	< 0.40 U	**5.2 J**	–
WR-MW-11A	05/07/20	< 0.40 U	< 0.8 U	< 1 U	0.70	< 0.40 U	–	< 4 UJ	< 0.40 U	3.8	–
WR-MW-11A	11/18/20	< 0.30 U	< 0.50 U	< 0.20 U	0.43	< 0.20 U	–	< 10 U	< 0.30 U	**5.1**	–
WR-MW-11A	12/16/21	< 0.30 U	< 0.16 U	< 0.16 U	< 0.16 U	< 0.16 U	–	–	–	2.4	–
WR-MW-11A	06/08/22	< 0.30 U	< 0.16 U	< 0.16 U	< 0.16 U	< 0.16 U	–	–	–	3.8	–
WR-MW-12A	09/20/05	< 1 U	< 1 U	< 0.50 U	2.8	< 0.50 U	–	< 10 U	< 0.50 U	**75**	–
WR-MW-12A	12/06/05	< 1 U	< 1 U	< 0.50 U	0.90	< 0.50 U	–	< 10 U	< 0.50 U	**87**	–
WR-MW-12A	03/14/06	< 1 U	< 1 U	< 0.50 U	< 0.50 U	< 0.50 U	< 1000 U	< 10 U	< 0.50 U	**110**	–
WR-MW-12A	06/27/06	< 1 U	< 1 U	< 0.50 U	**21**	< 0.50 U	< 1000 U	< 10 U	< 0.50 U	**99**	–
WR-MW-12A	09/26/06	< 1 U	< 1 U	< 0.50 U	**23**	< 0.50 U	< 1000 U	< 10 U	< 0.50 U	**74**	–
WR-MW-12A	12/13/06	< 1.4 U	< 1.4 U	< 0.70 U	**19**	< 0.70 U	< 1400 U	< 14 U	< 0.70 U	**64**	–
WR-MW-12A	03/26/07	< 0.50 U	< 0.50 U	< 1 U	**13**	< 1 U	< 0.50 U	< 0.50 U	< 1000 U	**94**	–
WR-MW-12A	06/11/07	< 0.50 U	< 0.50 U	< 1 U	**39**	< 1 U	< 0.50 U	< 0.50 U	< 1000 U	**50**	–
WR-MW-12A	09/25/07	< 1 U	< 1 U	< 0.50 U	**11**	< 0.50 U	< 1000 U	< 10 U	< 0.50 U	**63**	–
WR-MW-12A	12/13/07	< 1 U	< 1 U	< 0.50 U	**7.8**	< 0.50 U	< 1000 U	< 10 U	< 0.50 U	**49**	–
WR-MW-12A	03/26/08	< 1 U	< 1 U	< 0.50 U	**13**	< 0.50 U	< 1000 U	< 10 U	< 0.50 U	**88**	–
WR-MW-12A	10/07/08	< 1 U	< 1 U	< 0.50 U	**13**	< 0.50 U	< 1000 U	< 10 U	< 0.50 U	**73**	–
WR-MW-12A	04/08/09	< 1 U	< 1 U	< 0.50 U	**24**	< 0.50 U	< 1000 U	< 10 U	< 0.50 U	**39**	–
WR-MW-12A	09/28/09	< 1 U	< 1 U	< 0.50 U	**12**	< 0.50 U	< 1000 U	< 10 U	< 0.50 U	**55**	–
WR-MW-12A	06/24/10	< 1 U	< 1 U	< 0.50 U	**29**	< 0.50 U	< 1000 U	< 10 U	< 0.50 U	**41**	–
WR-MW-12A	01/27/11	< 1 U	< 1 U	< 0.50 U	**25**	< 0.50 U	< 1000 U	< 10 U	< 0.50 U	**35**	–

Table B-1. Historical Groundwater Monitoring Results - Organics

Analyte		Bromoform	Chloro- methane	Chloroform	cis-1,2-DCE	Dibromochloro- methane	Ethanol	MEK	MTBE	PCE	Phenol
Units		µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
California MCL		80	N/A	80	6	80	N/A	N/A	13	5	N/A
Historical MCL Exceedances?		No	No	No	Yes	No	No	No	Yes	Yes	No
Well ID	**Sampled**										
WR-MW-12A	06/21/11	< 1 U	< 1 U	< 0.50 U	**24**	< 0.50 U	< 1000 U	< 10 U	< 0.50 U	**21**	–
WR-MW-12A	01/11/12	< 1 U	< 1 U	< 0.50 U	**24**	< 0.50 U	< 1000 U	< 10 U	< 0.50 U	**23**	–
WR-MW-12A	06/27/12	< 1 U	< 1 U	< 0.50 U	**24**	< 0.50 U	< 1000 U	< 10 U	< 0.50 U	**25**	–
WR-MW-12A	01/04/13	< 1 U	< 1 U	< 0.50 U	**21**	< 0.50 U	< 1000 U	< 10 U	< 0.50 U	**22**	–
WR-MW-12A	06/26/13	< 1 U	< 1 U	< 0.50 U	**16**	< 0.50 U	< 1000 U	< 10 U	< 0.50 U	**19**	–
WR-MW-12A	12/04/13	< 1 U	< 1 U	< 0.50 U	**14**	< 0.50 U	< 1000 U	< 10 U	< 0.50 U	**25**	–
WR-MW-12A	07/01/14	< 1 U	< 1 U	< 0.50 U	**11**	< 0.50 U	< 1000 U	< 10 U	< 0.50 U	**19**	–
WR-MW-12A	11/05/14	< 1 U	< 1 U	< 0.50 U	**11**	< 0.50 U	< 1000 U	< 10 U	< 0.50 U	**12**	–
WR-MW-12A	09/28/16	< 0.40 U	< 0.40 U	< 0.20 U	**26**	< 0.20 U	–	39	< 0.20 U	0.90	–
WR-MW-12A	12/21/16	< 0.40 U	< 0.40 U	< 0.20 U	**19**	< 0.20 U	–	29	< 0.20 U	3.1	–
WR-MW-12A	06/28/17	< 0.40 U	< 0.40 U	< 0.20 U	**24**	< 0.40 U	< 40 U	1 J	< 0.40 U	1.5	–
WR-MW-12A	12/19/17	< 0.40 U	< 0.8 U	< 0.20 U	**16**	< 0.40 U	< 80 U	5.1 J	< 0.40 U	1.5	–
WR-MW-12A	06/14/18	< 0.40 U	< 0.8 U	< 0.40 U	**10**	< 0.20 U	–	< 4 U	< 0.20 U	1.9	–
WR-MW-12A	06/14/18	< 0.40 U	< 0.40 U	< 0.40 U	**10**	< 0.20 U	–	0.80 J	< 0.20 U	1.9	–
WR-MW-12A	12/14/18	< 0.50 U	< 0.50 U	< 0.50 U	**11**	< 0.50 U	–	< 5 UJ	< 0.50 U	0.63	–
WR-MW-12A	06/25/19	< 0.40 U	< 0.8 U	< 0.40 U	**14**	< 0.40 U	–	0.60	< 0.40 U	1.6	–
WR-MW-12A	12/30/19	< 0.40 U	< 0.8 U	< 0.40 U	**11**	< 0.40 U	–	< 4 U	< 0.40 U	1.4	–
WR-MW-12A	05/07/20	< 0.40 U	< 0.8 U	< 1 U	**11**	< 0.40 U	–	< 4 UJ	< 0.40 U	1.4	–
WR-MW-12A	11/18/20	< 0.30 U	< 0.50 U	< 0.20 U	**11**	< 0.20 U	–	< 10 U	< 0.30 U	1.4	–
WR-MW-12A	12/16/21	< 0.30 U	< 0.16 U	< 0.16 U	**7.0**	< 0.16 U	–	–	–	0.34 J	–
WR-MW-12A	06/08/22	< 0.30 U	< 0.16 U	< 0.16 U	5.9	< 0.16 U	–	–	–	1.5	–

Table B-1. Historical Groundwater Monitoring Results - Organics

Analyte		TCE	Toluene	trans-1,2- DCE	Vinyl Chloride	Xylenes, Total
Units		µg/L	µg/L	µg/L	µg/L	µg/L
California MCL		5	150	10	0.5	1750
Historical MCL Exceedances?		Yes	No	No	Yes	No
Well ID	**Sampled**					
WR-IW-01	10/02/02	2.0	< 1 U	< 1 U	< 1 U	< 1 U
WR-IW-01	11/11/03	< 13 U	< 13 U	< 13 U	< 13 U	–
WR-IW-01	02/10/04	< 13 U	< 13 U	< 13 U	< 13 U	–
WR-IW-02	10/02/02	2.8	< 1 U	< 1 U	< 1 U	< 1 U
WR-IW-02	11/11/03	< 13 U	< 13 U	< 13 U	< 13 U	–
WR-IW-03	10/02/02	**5.9**	< 1 U	< 1 U	< 1 U	< 1 U
WR-IW-03	11/11/03	< 13 U	< 13 U	< 13 U	< 13 U	–
WR-IW-03	02/10/04	< 20 U	< 20 U	< 20 U	< 20 U	–
WR-IW-04	10/02/02	2.2	< 1 U	< 1 U	< 1 U	< 1 U
WR-IW-04	11/11/03	< 13 U	< 13 U	< 13 U	< 13 U	–
WR-MW-01	07/27/01	**5.2**	< 5 U	–	< 10 U	< 5 U
WR-MW-01	01/03/02	**6.8**	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U
WR-MW-01	01/03/02	**6.7**	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U
WR-MW-01	04/18/02	4.4	1.3 J	< 2.5 U	< 2.5 U	2.4 J
WR-MW-01	08/13/02	3.5	< 2.5 U	< 2.5 U	< 2.5 U	< 2.5 U
WR-MW-01	08/13/02	4.3	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U
WR-MW-01	11/14/02	4.1	0.31 J	< 0.50 UJ	< 0.50 UJ	0.23 J+
WR-MW-01	02/13/03	3.6	< 0.50 U	< 0.50 U	< 0.50 U	–
WR-MW-01	02/13/03	3.4	< 0.50 U	< 0.50 U	< 0.50 U	–
WR-MW-01	06/26/03	1.4	< 0.50 U	< 0.50 U	< 0.50 U	–
WR-MW-01	06/26/03	1.4	< 0.50 U	< 0.50 U	< 0.50 U	–
WR-MW-01	08/06/03	1.3	< 0.50 U	< 0.50 U	< 0.50 U	–
WR-MW-01	11/11/03	1.1	< 0.50 U	< 0.50 U	< 0.50 U	–
WR-MW-01	11/11/03	1.0	< 0.50 U	< 0.50 U	< 0.50 U	–
WR-MW-01	02/10/04	2.9	< 0.50 U	< 0.50 U	< 0.50 U	–
WR-MW-01	05/25/04	2.2	< 0.50 U	< 0.50 U	< 0.50 U	–
WR-MW-01	09/02/04	2.1	< 0.50 U	< 0.50 U	< 0.50 U	–
WR-MW-01	12/08/04	2.8	< 0.50 U	< 0.50 U	< 0.50 U	–
WR-MW-01	03/01/05	1.8	< 0.50 U	< 0.50 U	< 0.50 U	–
WR-MW-01	03/01/05	1.7	< 0.50 U	< 0.50 U	< 0.50 U	–
WR-MW-01	06/07/05	2.1	< 0.50 U	< 0.50 U	< 0.50 U	–

Table B-1. Historical Groundwater Monitoring Results - Organics

Analyte		TCE	Toluene	trans-1,2- DCE	Vinyl Chloride	Xylenes, Total
Units		µg/L	µg/L	µg/L	µg/L	µg/L
California MCL		5	150	10	0.5	1750
Historical MCL Exceedances?		Yes	No	No	Yes	No
Well ID	**Sampled**					
WR-MW-01	06/07/05	2.1	< 0.50 U	< 0.50 U	< 0.50 U	–
WR-MW-01	09/14/05	1.6	< 1 U	< 1 U	< 1 U	–
WR-MW-01	12/06/05	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	–
WR-MW-01	03/14/06	4.3	< 0.50 U	< 0.50 U	< 0.50 U	–
WR-MW-01	06/26/06	4.5	< 1 U	< 1 U	< 1 U	–
WR-MW-01	06/26/06	3.3	< 1 U	< 1 U	< 1 U	–
WR-MW-01	09/26/06	< 2.5 U	< 2.5 U	< 2.5 U	< 2.5 U	–
WR-MW-01	09/26/06	4.0	< 0.50 U	< 0.50 U	< 0.50 U	–
WR-MW-01	12/13/06	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	–
WR-MW-01	03/27/07	< 2.5 U	< 2.5 U	< 2.5 U	< 2.5 U	–
WR-MW-01	06/12/07	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	–
WR-MW-01	06/12/07	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	–
WR-MW-01	09/26/07	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	–
WR-MW-01	09/26/07	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	–
WR-MW-01	12/13/07	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U
WR-MW-01	12/13/07	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U
WR-MW-01	03/27/08	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U
WR-MW-01	03/27/08	0.50	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U
WR-MW-01	10/08/08	2.7	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U
WR-MW-01	10/08/08	2.6	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U
WR-MW-01	04/09/09	1.0	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U
WR-MW-01	04/09/09	1.0	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U
WR-MW-01	06/24/10	**6.6**	< 0.50 U	< 0.50 U	**1.1**	< 1 U
WR-MW-01	06/24/10	**6.2**	< 0.50 U	< 0.50 U	**0.9**	< 1 U
WR-MW-01	01/26/11	**5.8**	< 0.50 U	< 0.50 U	< 0.50 U	< 1 U
WR-MW-01	01/26/11	4.9	< 0.50 U	< 0.50 U	< 0.50 U	< 1 U
WR-MW-01	06/20/11	**8.6**	< 0.50 U	< 0.50 U	< 0.50 U	< 1 U
WR-MW-01	06/20/11	**8.3**	< 0.50 U	< 0.50 U	< 0.50 U	< 1 U
WR-MW-01	01/11/12	**8.5**	< 0.50 U	< 0.50 U	< 0.50 U	< 1 U
WR-MW-01	01/11/12	**8.5**	< 0.50 U	< 0.50 U	< 0.50 U	< 1 U
WR-MW-01	06/26/12	**7.8**	< 0.50 U	< 0.50 U	**0.5**	< 1 U

Table B-1. Historical Groundwater Monitoring Results - Organics

	Analyte	TCE	Toluene	trans-1,2- DCE	Vinyl Chloride	Xylenes, Total
	Units	µg/L	µg/L	µg/L	µg/L	µg/L
	California MCL	5	150	10	0.5	1750
	Historical MCL Exceedances?	Yes	No	No	Yes	No
Well ID	**Sampled**					
WR-MW-01	06/26/12	**7.7**	< 0.50 U	< 0.50 U	**0.5**	< 1 U
WR-MW-01	01/04/13	**9.0**	< 0.50 U	< 0.50 U	**0.6**	< 1 U
WR-MW-01	01/04/13	**8.9**	< 0.50 U	< 0.50 U	**0.6**	< 1 U
WR-MW-01	06/25/13	**9.8**	< 0.50 U	< 0.50 U	**0.8**	< 1 U
WR-MW-01	06/25/13	**9.6**	< 0.50 U	< 0.50 U	**0.7**	< 1 U
WR-MW-01	12/03/13	**6.9**	< 0.50 U	< 0.50 U	**0.8**	< 1 U
WR-MW-01	12/03/13	**6.8**	< 0.50 U	< 0.50 U	**0.8**	< 1 U
WR-MW-01	06/30/14	**7.4**	< 0.50 U	< 0.50 U	**0.7**	< 1 U
WR-MW-01	06/30/14	**7.3**	< 0.50 U	< 0.50 U	**0.6**	< 1 U
WR-MW-01	11/05/14	3.8	< 0.50 U	< 0.50 U	< 0.50 U	< 1 U
WR-MW-01	11/05/14	3.6	< 0.50 U	< 0.50 U	< 0.50 U	< 1 U
WR-MW-01	09/28/16	0.90	0.10 J	< 0.20 U	< 0.20 U	< 0.40 U
WR-MW-01	12/21/16	3.0	< 0.20 U	0.10 J	**0.6**	< 0.40 U
WR-MW-01	06/28/17	3.1	< 0.20 U	0.20 J	**0.7**	< 0.40 U
WR-MW-01	12/19/17	3.0	< 0.40 U	0.30 J	**0.7**	< 0.40 U
WR-MW-01	06/14/18	2.4	< 0.40 U	0.40 J	**0.6**	< 0.40 U
WR-MW-01	12/14/18	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U
WR-MW-01	12/14/18	0.29	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U
WR-MW-01	06/25/19	0.40	< 0.20 U	< 0.40 U	< 0.40 U	< 0.40 U
WR-MW-01	12/30/19	1.1	< 0.20 U	< 0.40 U	< 0.40 U	< 0.40 U
WR-MW-01	12/30/19	0.90	< 0.20 U	< 0.40 U	< 0.40 U	< 0.40 U
WR-MW-01	05/07/20	**5.4 J**	< 0.20 UJ	0.20 J	< 0.40 UJ	< 0.40 UJ
WR-MW-01	05/07/20	**5.4**	< 0.20 U	0.20	< 0.40 U	< 0.40 U
WR-MW-01	11/18/20	1.5	< 0.20 U	< 0.20 U	< 0.30 U	< 0.50 U
WR-MW-01	11/18/20	0.24	< 0.20 U	< 0.20 U	< 0.30 U	< 0.50 U
WR-MW-01B	10/03/02	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U
WR-MW-01B	10/03/02	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U
WR-MW-01B	02/09/03	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	–
WR-MW-01B	05/29/03	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	–
WR-MW-01B	08/06/03	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	–
WR-MW-01B	11/10/03	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	–

Table B-1. Historical Groundwater Monitoring Results - Organics

	Analyte	TCE	Toluene	trans-1,2- DCE	Vinyl Chloride	Xylenes, Total
	Units	µg/L	µg/L	µg/L	µg/L	µg/L
	California MCL	5	150	10	0.5	1750
	Historical MCL Exceedances?	Yes	No	No	Yes	No
Well ID	**Sampled**					
WR-MW-01B	02/10/04	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	–
WR-MW-01B	05/24/04	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	–
WR-MW-01B	09/02/04	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	–
WR-MW-01B	12/08/04	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	–
WR-MW-01B	03/02/05	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	–
WR-MW-01B	06/07/05	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	–
WR-MW-01B	09/13/05	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	–
WR-MW-01B	12/06/05	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	–
WR-MW-01B	03/14/06	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	–
WR-MW-01B	06/26/06	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	–
WR-MW-01B	09/26/06	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	–
WR-MW-01B	12/13/06	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	–
WR-MW-01B	03/26/07	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	–
WR-MW-01B	06/12/07	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	–
WR-MW-01B	09/25/07	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	–
WR-MW-01B	12/13/07	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U
WR-MW-01B	03/26/08	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U
WR-MW-01B	10/07/08	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U
WR-MW-01B	10/07/08	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U
WR-MW-01B	04/09/09	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U
WR-MW-01B	06/23/10	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U
WR-MW-01B	02/14/11	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 1 U
WR-MW-01B	01/10/12	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 1 U
WR-MW-01B	01/03/13	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 1 U
WR-MW-01B	12/03/13	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 1 U
WR-MW-01B	11/04/14	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 1 U
WR-MW-01B	06/28/17	< 0.20 U	< 0.20 U	< 0.40 U	< 0.20 U	< 0.40 U
WR-MW-01B	12/19/17	< 0.20 U	0.30 J	< 0.40 U	< 0.20 U	< 0.40 U
WR-MW-01B	12/14/18	< 0.50 U	0.21	< 0.50 U	< 0.50 U	< 0.50 U
WR-MW-01B	06/25/19	< 0.40 U	0.20	< 0.40 U	< 0.40 U	< 0.40 U
WR-MW-01B	06/25/19	< 0.40 U	0.70	< 0.40 U	< 0.40 U	1.6

Table B-1. Historical Groundwater Monitoring Results - Organics

Analyte		TCE	Toluene	trans-1,2- DCE	Vinyl Chloride	Xylenes, Total
Units		µg/L	µg/L	µg/L	µg/L	µg/L
California MCL		5	150	10	0.5	1750
Historical MCL Exceedances?		Yes	No	No	Yes	No
Well ID	**Sampled**					
WR-MW-01B	12/30/19	< 0.20 U	0.20	< 0.40 U	< 0.40 U	< 0.40 U
WR-MW-01B	11/18/20	< 0.20 U	0.11	< 0.20 U	< 0.30 U	< 0.50 U
WR-MW-01B	12/16/21	< 0.16 U	< 0.50 U	< 0.16 U	< 0.16 U	< 0.45 U
WR-MW-01B	12/16/21	< 0.16 U	< 0.16 U	< 0.16 U	< 0.16 U	< 0.45 U
WR-MW-01B	12/16/21	< 0.16 U	< 0.50 U	< 0.16 U	< 0.16 U	< 0.45 U
WR-MW-02	07/27/01	< 2 U	< 5 U	–	< 10 U	< 5 U
WR-MW-02	01/03/02	0.40 J+	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U
WR-MW-02	04/18/02	0.42 J	< 0.50 UJ	< 0.50 U	< 0.50 U	–
WR-MW-02	04/18/02	0.36 J	< 0.50 UJ	< 0.50 U	< 0.50 U	–
WR-MW-02	08/13/02	0.28 J	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U
WR-MW-02	11/14/02	0.53	0.18 J	< 0.50 UJ	**0.50 J**	< 0.50 U
WR-MW-02	02/08/03	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	–
WR-MW-02	05/27/03	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	–
WR-MW-02	08/05/03	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	–
WR-MW-02	11/10/03	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	–
WR-MW-02	02/10/04	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	–
WR-MW-02	05/25/04	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	–
WR-MW-02	09/03/04	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	–
WR-MW-02	12/07/04	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	–
WR-MW-02	03/02/05	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	–
WR-MW-02	06/07/05	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	–
WR-MW-02	09/14/05	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	–
WR-MW-02	12/06/05	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	–
WR-MW-02	03/14/06	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	–
WR-MW-02	06/27/06	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	–
WR-MW-02	09/25/06	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	–
WR-MW-02	12/13/06	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	–
WR-MW-02	03/26/07	< 0.50 U	< 0.50 U	< 0.50 U	**0.8**	–
WR-MW-02	06/12/07	< 0.50 U	< 0.50 U	< 0.50 U	**1.3**	–
WR-MW-02	09/25/07	< 0.50 U	< 0.50 U	< 0.50 U	**1.2**	–
WR-MW-02	12/13/07	< 0.50 U	< 0.50 U	< 0.50 U	**1.2**	< 0.50 U

Table B-1. Historical Groundwater Monitoring Results - Organics

Analyte		TCE	Toluene	trans-1,2- DCE	Vinyl Chloride	Xylenes, Total
Units		µg/L	µg/L	µg/L	µg/L	µg/L
California MCL		5	150	10	0.5	1750
Historical MCL Exceedances?		Yes	No	No	Yes	No
Well ID	**Sampled**					
WR-MW-02	03/26/08	< 0.50 U	< 0.50 U	< 0.50 U	**1.5**	< 0.50 U
WR-MW-02	10/07/08	1.1	< 0.50 U	< 0.50 U	**0.7**	< 0.50 U
WR-MW-02	04/09/09	1.1	< 0.50 U	< 0.50 U	**0.6**	< 0.50 U
WR-MW-02	09/28/09	2.3	1.6	< 0.50 U	**0.7**	< 0.50 U
WR-MW-02	07/01/10	1.5	< 0.50 U	< 0.50 U	< 0.50 U	< 1 U
WR-MW-02	01/27/11	1.1	< 0.50 U	< 0.50 U	< 0.50 U	< 1 U
WR-MW-02	06/20/11	1.1	< 0.50 U	< 0.50 U	< 0.50 U	< 1 U
WR-MW-02	01/11/12	1.4	< 0.50 U	< 0.50 U	< 0.50 U	< 1 U
WR-MW-02	06/27/12	1.1	< 0.50 U	< 0.50 U	< 0.50 U	< 1 U
WR-MW-02	01/04/13	1.0	< 0.50 U	< 0.50 U	< 0.50 U	< 1 U
WR-MW-02	06/26/13	1.2	< 0.50 U	< 0.50 U	< 0.50 U	< 1 U
WR-MW-02	12/04/13	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 1 U
WR-MW-02	07/01/14	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 1 U
WR-MW-02	11/04/14	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 1 U
WR-MW-02	09/28/16	0.30 J	< 0.20 U	< 0.20 U	< 0.20 U	< 0.40 U
WR-MW-02	12/21/16	0.40 J	0.20 J	0.20 J	0.20 J	0.40 J
WR-MW-02	06/28/17	0.10 J	< 0.20 U	< 0.40 U	< 0.20 U	< 0.40 U
WR-MW-02	12/19/17	0.10 J	< 0.20 U	< 0.40 U	< 0.20 U	< 0.40 U
WR-MW-02	12/14/18	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U
WR-MW-02	12/14/18	0.30 J	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U
WR-MW-02	06/25/19	< 0.40 U	0.30	< 0.40 U	< 0.40 U	0.40
WR-MW-02	12/30/19	< 0.20 U	< 0.20 U	< 0.40 U	< 0.40 U	< 0.40 U
WR-MW-02	05/07/20	< 0.20 U	< 0.20 U	< 0.40 U	< 0.40 U	< 0.40 U
WR-MW-02	11/18/20	< 0.20 U	< 0.30 U	< 0.20 U	< 0.20 U	< 0.30 U
WR-MW-03	07/27/01	< 2 U	< 5 U	–	< 10 U	< 5 U
WR-MW-03	01/03/02	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U
WR-MW-03	04/18/02	< 0.50 U	< 0.50 UJ	< 0.50 U	< 0.50 U	–
WR-MW-03	08/13/02	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U
WR-MW-03	11/13/02	< 0.50 U	0.24 J	< 0.50 U	< 0.50 U	< 0.50 U
WR-MW-03	02/08/03	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	–
WR-MW-03	05/27/03	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	–

Table B-1. Historical Groundwater Monitoring Results - Organics

Analyte		TCE	Toluene	trans-1,2- DCE	Vinyl Chloride	Xylenes, Total
Units		µg/L	µg/L	µg/L	µg/L	µg/L
California MCL		5	150	10	0.5	1750
Historical MCL Exceedances?		Yes	No	No	Yes	No
Well ID	**Sampled**					
WR-MW-03	08/05/03	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	–
WR-MW-03	11/10/03	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	–
WR-MW-03	12/07/04	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	–
WR-MW-03	12/08/05	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	–
WR-MW-03	12/14/06	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	–
WR-MW-03	12/13/07	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U
WR-MW-03	10/07/08	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U
WR-MW-04A	10/03/02	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U
WR-MW-04A	02/08/03	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	–
WR-MW-04A	05/22/03	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	–
WR-MW-04A	08/05/03	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	–
WR-MW-04A	11/10/03	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	–
WR-MW-04A	12/08/04	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	–
WR-MW-04A	12/08/04	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	–
WR-MW-04A	12/07/05	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	–
WR-MW-04A	03/14/06	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	–
WR-MW-04A	06/27/06	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	–
WR-MW-04A	09/26/06	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	–
WR-MW-04A	12/13/06	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	–
WR-MW-04A	03/26/07	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	–
WR-MW-04A	06/11/07	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	–
WR-MW-04A	09/25/07	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U
WR-MW-04A	12/13/07	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	–
WR-MW-04A	03/26/08	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U
WR-MW-04A	10/07/08	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U
WR-MW-04A	04/08/09	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U
WR-MW-04A	06/23/10	< 0.50 U	0.60	< 0.50 U	< 0.50 U	< 0.50 U
WR-MW-04A	02/14/11	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 1 U
WR-MW-04A	06/20/11	0.70	< 0.50 U	< 0.50 U	< 0.50 U	< 1 U
WR-MW-04A	01/10/12	0.80	< 0.50 U	< 0.50 U	< 0.50 U	< 1 U
WR-MW-04A	06/26/12	0.50	< 0.50 U	< 0.50 U	< 0.50 U	< 1 U

Table B-1. Historical Groundwater Monitoring Results - Organics

	Analyte	TCE	Toluene	trans-1,2- DCE	Vinyl Chloride	Xylenes, Total
	Units	µg/L	µg/L	µg/L	µg/L	µg/L
	California MCL	5	150	10	0.5	1750
	Historical MCL Exceedances?	Yes	No	No	Yes	No
Well ID	**Sampled**					
WR-MW-04A	01/03/13	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 1 U
WR-MW-04A	06/25/13	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 1 U
WR-MW-04A	12/03/13	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 1 U
WR-MW-04A	06/30/14	1.0	< 0.50 U	< 0.50 U	< 0.50 U	< 1 U
WR-MW-04A	11/04/14	1.1	< 0.50 U	< 0.50 U	< 0.50 U	< 1 U
WR-MW-04A	09/28/16	0.50	0.80	< 0.20 U	< 0.20 U	< 0.30 U
WR-MW-04A	12/21/16	0.40 J	< 0.20 U	< 0.20 U	< 0.20 U	< 0.40 U
WR-MW-04A	06/28/17	1.1	< 0.20 U	< 0.40 U	< 0.20 U	< 0.40 U
WR-MW-04A	12/19/17	1.4 J	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U
WR-MW-04A	12/19/17	1.5	< 0.20 U	< 0.40 U	< 0.20 U	< 0.40 U
WR-MW-04A	06/14/18	1.0	< 0.20 U	< 0.20 U	< 0.20 U	< 0.40 U
WR-MW-04A	12/14/18	0.91	0.11	< 0.50 U	< 0.50 U	< 0.50 U
WR-MW-04A	06/25/19	1.1	< 0.20 U	< 0.40 U	< 0.40 U	< 0.40 U
WR-MW-04A	12/30/19	0.40	< 0.20 U	< 0.40 U	< 0.40 U	< 0.40 U
WR-MW-04A	05/07/20	0.90	< 0.20 U	< 0.40 U	< 0.40 U	< 0.40 U
WR-MW-04A	11/18/20	1.1	< 0.20 U	< 0.20 U	< 0.30 U	< 0.50 U
WR-MW-04A	12/16/21	0.98	< 0.16 U	< 0.16 U	< 0.16 U	< 0.45 U
WR-MW-04A	06/08/22	1.2	< 0.16 U	< 0.16 U	< 0.16 U	< 0.45 U
WR-MW-04B	10/03/02	< 0.50 U	0.090 J	< 0.50 U	< 0.50 U	< 0.50 U
WR-MW-04B	02/09/03	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	–
WR-MW-04B	05/22/03	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	–
WR-MW-04B	08/05/03	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	–
WR-MW-04B	11/10/03	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	–
WR-MW-04B	12/08/04	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	–
WR-MW-05A	10/02/02	**8.3**	< 2.5 U	< 2.5 U	< 2.5 U	< 2.5 U
WR-MW-05A	02/12/03	**10**	< 0.50 U	< 0.50 U	< 0.50 U	–
WR-MW-05A	06/26/03	**6.5**	< 0.50 U	< 0.50 U	< 0.50 U	–
WR-MW-05A	08/06/03	**5.7**	< 0.50 U	< 0.50 U	< 0.50 U	–
WR-MW-05A	08/06/03	**5.6**	< 0.50 U	< 0.50 U	< 0.50 U	–
WR-MW-05A	11/11/03	**5.8**	< 0.50 U	< 0.50 U	< 0.50 U	–
WR-MW-05A	02/10/04	**5.9**	< 0.50 U	< 0.50 U	< 0.50 U	–

Table B-1. Historical Groundwater Monitoring Results - Organics

	Analyte	TCE	Toluene	trans-1,2- DCE	Vinyl Chloride	Xylenes, Total
	Units	µg/L	µg/L	µg/L	µg/L	µg/L
	California MCL	5	150	10	0.5	1750
	Historical MCL Exceedances?	Yes	No	No	Yes	No
Well ID	**Sampled**					
WR-MW-05A	02/10/04	**5.9**	< 0.50 U	< 0.50 U	< 0.50 U	–
WR-MW-05A	05/25/04	**7.6**	< 0.50 U	< 0.50 U	< 0.50 U	–
WR-MW-05A	05/25/04	**7.2**	< 0.50 U	< 0.50 U	< 0.50 U	–
WR-MW-05A	09/02/04	**6.9 J+**	< 0.50 U	< 0.50 U	< 0.50 U	–
WR-MW-05A	12/08/04	**5.5**	< 0.50 U	< 0.50 U	< 0.50 U	–
WR-MW-05A	03/01/05	3.8	< 0.50 U	< 0.50 U	< 0.50 U	–
WR-MW-05A	06/07/05	2.2	< 0.50 U	< 0.50 U	< 0.50 U	–
WR-MW-05A	09/14/05	4.2	< 0.50 U	< 0.50 U	< 0.50 U	–
WR-MW-05A	09/14/05	4.1	< 0.50 U	< 0.50 U	< 0.50 U	–
WR-MW-05A	12/06/05	3.5	< 0.50 U	< 0.50 U	< 0.50 U	–
WR-MW-05A	03/14/06	2.3	< 0.50 U	< 0.50 U	< 0.50 U	–
WR-MW-05A	03/14/06	2.1	< 0.50 U	< 0.50 U	< 0.50 U	–
WR-MW-05A	03/27/06	< 2.5 U	8.0	< 2.5 U	< 2.5 U	–
WR-MW-05A	03/27/06	< 2.5 U	5.7	< 2.5 U	< 2.5 U	–
WR-MW-05A	06/26/06	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	–
WR-MW-05A	09/26/06	< 1 U	1.0	< 1 U	< 1 U	–
WR-MW-05A	12/13/06	< 0.50 U	4.2	< 0.50 U	< 0.50 U	–
WR-MW-05A	06/12/07	< 0.50 U	8.2	< 0.50 U	< 0.50 U	–
WR-MW-05A	09/25/07	< 0.50 U	4.5	< 0.50 U	< 0.50 U	–
WR-MW-05A	12/13/07	2.5	8.9	< 2 U	< 2 U	< 2 U
WR-MW-05A	03/27/08	1.5	4.9	< 2 U	< 2 U	< 2 U
WR-MW-05A	10/08/08	1.0	0.90	< 0.50 U	< 0.50 U	< 0.50 U
WR-MW-05A	04/09/09	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U
WR-MW-05A	06/23/10	< 0.50 U	0.50	< 0.50 U	**3.0**	< 1 U
WR-MW-05A	01/26/11	< 0.50 U	0.80	< 0.50 U	**2.4**	< 1 U
WR-MW-05A	06/20/11	< 0.50 U	0.80	0.70	**2.7**	< 1 U
WR-MW-05A	01/10/12	< 0.50 U	< 0.50 U	< 0.50 U	**1.8**	< 1 U
WR-MW-05A	06/26/12	< 0.50 U	< 0.50 U	< 0.50 U	**1.3**	< 1 U
WR-MW-05A	01/03/13	< 0.50 U	< 0.50 U	< 0.50 U	**0.9**	< 1 U
WR-MW-05A	06/25/13	< 0.50 U	< 0.50 U	< 0.50 U	**0.7**	< 1 U
WR-MW-05A	12/03/13	< 0.50 U	< 0.50 U	< 0.50 U	**0.9**	< 1 U

Table B-1. Historical Groundwater Monitoring Results - Organics

	Analyte	TCE	Toluene	trans-1,2- DCE	Vinyl Chloride	Xylenes, Total
	Units	µg/L	µg/L	µg/L	µg/L	µg/L
	California MCL	5	150	10	0.5	1750
	Historical MCL Exceedances?	Yes	No	No	Yes	No
Well ID	**Sampled**					
WR-MW-05A	06/30/14	< 0.50 U	< 0.50 U	< 0.50 U	**1.2**	< 1 U
WR-MW-05A	11/04/14	0.70	< 0.50 U	< 0.50 U	**2.9**	< 1 U
WR-MW-05A	09/28/16	< 0.20 U	0.80	< 0.20 U	**0.5**	< 0.40 U
WR-MW-05A	12/21/16	0.30 J	< 0.20 U	0.20 J	**0.6**	< 0.40 U
WR-MW-05A	06/28/17	0.30 J	< 0.20 U	0.20 J	**0.5**	< 0.40 U
WR-MW-05A	12/19/17	0.20 J	< 0.20 U	0.30 J	**0.7**	< 0.40 U
WR-MW-05A	06/14/18	0.10 J	< 0.20 U	0.30 J	**1.1**	< 0.40 U
WR-MW-05A	12/14/18	< 0.50 U	< 0.50 U	0.37	< 0.50 U	< 0.50 U
WR-MW-05A	06/25/19	< 0.40 U	0.20	< 0.40 U	< 0.40 U	< 0.40 U
WR-MW-05A	12/30/19	< 0.20 U	< 0.20 U	0.40 J	**0.70 J**	< 0.40 U
WR-MW-05A	05/07/20	< 0.20 U	< 0.20 U	< 0.50 U	**1.0**	< 0.40 U
WR-MW-05A	11/18/20	< 0.20 U	< 0.20 U	0.27	**0.9**	< 0.50 U
WR-MW-05A	12/16/21	< 0.16 U	< 0.16 U	0.11 J	**0.58**	< 0.45 U
WR-MW-05A	06/08/22	< 0.16 U	< 0.16 U	0.20 J	0.49 J	< 0.45 U
WR-MW-05B	09/30/02	< 0.50 U	0.14 J	< 0.50 U	< 0.50 U	< 0.50 U
WR-MW-05B	02/09/03	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	–
WR-MW-05B	05/29/03	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	–
WR-MW-05B	08/06/03	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	–
WR-MW-05B	11/10/03	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	–
WR-MW-05B	12/08/04	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	–
WR-MW-05B	12/07/05	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	–
WR-MW-05B	12/13/06	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	–
WR-MW-06A	10/03/02	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U
WR-MW-06A	02/08/03	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	–
WR-MW-06A	05/22/03	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	–
WR-MW-06A	08/06/03	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	–
WR-MW-06A	11/11/03	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	–
WR-MW-06A	12/09/04	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	–
WR-MW-06A	12/07/05	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	–
WR-MW-06A	12/13/06	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	–
WR-MW-06A	12/13/07	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U

Table B-1. Historical Groundwater Monitoring Results - Organics

Analyte		TCE	Toluene	trans-1,2- DCE	Vinyl Chloride	Xylenes, Total
Units		µg/L	µg/L	µg/L	µg/L	µg/L
California MCL		5	150	10	0.5	1750
Historical MCL Exceedances?		Yes	No	No	Yes	No
Well ID	**Sampled**					
WR-MW-06A	10/07/08	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U
WR-MW-06B	09/30/02	< 0.50 U	0.12 J	< 0.50 U	< 0.50 U	< 0.50 U
WR-MW-06B	02/09/03	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	–
WR-MW-06B	05/22/03	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	–
WR-MW-06B	08/06/03	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	–
WR-MW-06B	11/11/03	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	–
WR-MW-06B	12/09/04	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	–
WR-MW-06B	12/07/05	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	–
WR-MW-06B	12/13/06	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	–
WR-MW-06B	12/13/07	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U
WR-MW-07A	10/03/02	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U
WR-MW-07A	02/12/03	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	–
WR-MW-07A	05/28/03	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	–
WR-MW-07A	08/06/03	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	–
WR-MW-07A	11/11/03	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	–
WR-MW-07A	02/10/04	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	–
WR-MW-07A	05/24/04	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	–
WR-MW-07A	09/03/04	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	–
WR-MW-07A	12/07/04	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	–
WR-MW-07A	03/02/05	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	–
WR-MW-07A	06/07/05	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	–
WR-MW-07A	09/14/05	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	–
WR-MW-07A	12/08/05	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	–
WR-MW-07A	03/14/06	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	–
WR-MW-07A	06/27/06	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	–
WR-MW-07A	09/25/06	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	–
WR-MW-07A	12/13/06	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	–
WR-MW-07A	03/26/07	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	–
WR-MW-07A	06/12/07	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	–
WR-MW-07A	09/25/07	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	–
WR-MW-07A	12/13/07	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U

Table B-1. Historical Groundwater Monitoring Results - Organics

Analyte		TCE	Toluene	trans-1,2- DCE	Vinyl Chloride	Xylenes, Total
Units		µg/L	µg/L	µg/L	µg/L	µg/L
California MCL		5	150	10	0.5	1750
Historical MCL Exceedances?		Yes	No	No	Yes	No
Well ID	**Sampled**					
WR-MW-07A	03/26/08	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U
WR-MW-07A	10/07/08	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U
WR-MW-07A	04/07/09	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U
WR-MW-07A	06/24/10	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 1 U
WR-MW-08A	10/03/02	0.16 J	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U
WR-MW-08A	02/08/03	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	–
WR-MW-08A	05/27/03	0.50	< 0.50 U	< 0.50 U	< 0.50 U	–
WR-MW-08A	08/05/03	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	–
WR-MW-08A	11/10/03	0.50	< 0.50 U	< 0.50 U	< 0.50 U	–
WR-MW-08A	02/10/04	0.60	< 0.50 U	< 0.50 U	< 0.50 U	–
WR-MW-08A	05/25/04	0.50	< 0.50 U	< 0.50 U	< 0.50 U	–
WR-MW-08A	09/03/04	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	–
WR-MW-08A	12/08/04	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	–
WR-MW-08A	03/02/05	0.60	< 0.50 U	< 0.50 U	< 0.50 U	–
WR-MW-08A	06/07/05	< 5 U	< 0.50 U	< 0.50 U	< 0.50 U	–
WR-MW-08A	09/14/05	< 5 U	< 0.50 U	< 0.50 U	< 0.50 U	–
WR-MW-08A	12/06/05	< 5 U	< 0.50 U	< 0.50 U	< 0.50 U	–
WR-MW-08A	03/14/06	< 5 U	< 0.50 U	< 0.50 U	< 0.50 U	–
WR-MW-08A	06/27/06	< 5 U	< 0.50 U	< 0.50 U	< 0.50 U	–
WR-MW-08A	09/26/06	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	–
WR-MW-08A	12/13/06	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	–
WR-MW-08A	03/26/07	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	–
WR-MW-08A	06/11/07	< 0.50 U	< 0.50 U	< 0.50 U	**0.7**	–
WR-MW-08A	09/25/07	< 0.50 U	< 0.50 U	< 0.50 U	**0.9**	–
WR-MW-08A	12/13/07	< 0.50 U	< 0.50 U	< 0.50 U	**1.2**	< 0.50 U
WR-MW-08A	03/26/08	< 0.50 U	< 0.50 U	< 0.50 U	**1.2**	< 0.50 U
WR-MW-08A	10/07/08	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U
WR-MW-08A	04/09/09	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U
WR-MW-08A	06/24/10	0.50	< 0.50 U	< 0.50 U	< 0.50 U	< 1 U
WR-MW-08A	01/27/11	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 1 U
WR-MW-08A	06/20/11	0.70	< 0.50 U	< 0.50 U	< 0.50 U	< 1 U

Table B-1. Historical Groundwater Monitoring Results - Organics

Analyte		TCE	Toluene	trans-1,2- DCE	Vinyl Chloride	Xylenes, Total
Units		µg/L	µg/L	µg/L	µg/L	µg/L
California MCL		5	150	10	0.5	1750
Historical MCL Exceedances?		Yes	No	No	Yes	No
Well ID	**Sampled**					
WR-MW-08A	01/11/12	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 1 U
WR-MW-08A	06/26/12	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 1 U
WR-MW-08A	01/03/13	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 1 U
WR-MW-08A	06/25/13	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 1 U
WR-MW-08A	12/03/13	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 1 U
WR-MW-08A	06/30/14	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 1 U
WR-MW-08A	11/05/14	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 1 U
WR-MW-08A	09/28/16	< 0.20 U	0.20 J	< 0.20 U	< 0.20 U	< 0.40 U
WR-MW-08A	12/21/16	< 0.20 U	0.20	< 0.20 U	< 0.20 U	< 0.40 U
WR-MW-08A	06/28/17	< 0.20 U	< 0.20 U	< 0.40 U	< 0.20 U	< 0.40 U
WR-MW-08A	12/19/17	< 0.20 U	< 0.20 U	< 0.40 U	< 0.20 U	< 0.40 U
WR-MW-08A	06/14/18	< 0.20 U	< 0.20 U	< 0.20 U	< 0.20 U	< 0.40 U
WR-MW-08A	12/14/18	< 0.50 U	0.11	< 0.50 U	< 0.50 U	< 0.50 U
WR-MW-08A	06/25/19	< 0.40 U	< 0.20 U	< 0.40 U	< 0.40 U	< 0.40 U
WR-MW-08A	12/30/19	< 0.20 U	< 0.20 U	< 0.40 U	< 0.40 U	< 0.40 U
WR-MW-08A	05/07/20	< 0.20 U	< 0.20 U	< 0.40 U	< 0.40 U	< 0.40 U
WR-MW-08A	11/18/20	< 0.20 U	< 0.20 U	< 0.20 U	< 0.30 U	< 0.50 U
WR-MW-08A	12/16/21	< 0.16 U	< 0.16 U	< 0.16 U	< 0.16 U	< 0.45 U
WR-MW-08A	12/16/21	< 0.16 U	< 0.16 U	< 0.16 U	< 0.16 U	< 0.45 U
WR-MW-08A	06/08/22	< 0.16 U	< 0.16 U	< 0.16 U	< 0.16 U	< 0.45 U
WR-MW-08A	06/08/22	< 0.16 U	< 0.16 U	< 0.16 U	< 0.16 U	< 0.45 U
WR-MW-09A	10/03/02	1.6	0.25 J	0.19 J	< 1 U	< 1 U
WR-MW-09A	02/12/03	1.2	< 0.50 U	< 0.50 U	< 0.50 U	–
WR-MW-09A	06/26/03	0.60	< 0.50 U	< 0.50 U	< 0.50 U	–
WR-MW-09A	08/06/03	0.60	< 0.50 U	< 0.50 U	< 0.50 U	–
WR-MW-09A	11/11/03	0.60	< 0.50 U	< 0.50 U	< 0.50 U	–
WR-MW-09A	02/10/04	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	–
WR-MW-09A	05/24/04	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	–
WR-MW-09A	09/02/04	0.60	< 0.50 U	< 0.50 U	< 0.50 U	–
WR-MW-09A	12/08/04	0.90 J+	< 0.50 U	< 0.50 U	< 0.50 U	–
WR-MW-09A	12/08/04	0.70	< 0.50 U	< 0.50 U	< 0.50 U	–

Table B-1. Historical Groundwater Monitoring Results - Organics

	Analyte	TCE	Toluene	trans-1,2- DCE	Vinyl Chloride	Xylenes, Total
	Units	µg/L	µg/L	µg/L	µg/L	µg/L
	California MCL	5	150	10	0.5	1750
	Historical MCL Exceedances?	Yes	No	No	Yes	No
Well ID	**Sampled**					
WR-MW-09A	03/01/05	0.60	< 0.50 U	< 0.50 U	< 0.50 U	–
WR-MW-09A	06/07/05	0.60	< 0.50 U	< 0.50 U	< 0.50 U	–
WR-MW-09A	09/14/05	1.0	< 0.50 U	< 0.50 U	< 0.50 U	–
WR-MW-09A	12/06/05	1.1	< 0.50 U	< 0.50 U	< 0.50 U	–
WR-MW-09A	12/06/05	1.1	< 0.50 U	< 0.50 U	< 0.50 U	–
WR-MW-09A	03/14/06	1.4	< 0.50 U	< 0.50 U	< 0.50 U	–
WR-MW-09A	06/26/06	1.4	< 0.50 U	< 0.50 U	< 0.50 U	–
WR-MW-09A	09/26/06	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	–
WR-MW-09A	12/13/06	0.50	< 0.50 U	< 0.50 U	< 0.50 U	–
WR-MW-09A	03/27/07	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	–
WR-MW-09A	07/12/07	0.90	< 0.50 U	< 0.50 U	< 0.50 U	–
WR-MW-09A	09/26/07	0.60	< 0.50 U	< 0.50 U	< 0.50 U	–
WR-MW-09A	12/12/07	1.1	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U
WR-MW-09A	10/08/08	1.0	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U
WR-MW-09A	04/09/09	0.70	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U
WR-MW-09A	06/24/10	0.60	< 0.50 U	< 0.50 U	< 0.50 U	< 1 U
WR-MW-09A	01/26/11	1.2	< 0.50 U	< 0.50 U	< 0.50 U	< 1 U
WR-MW-09A	06/20/11	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 1 U
WR-MW-09A	01/10/12	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 1 U
WR-MW-09A	06/26/12	< 0.50 U	< 0.50 U	< 0.50 U	**0.9**	< 1 U
WR-MW-09A	01/03/13	< 0.50 U	< 0.50 U	< 0.50 U	**0.9**	< 1 U
WR-MW-09A	06/25/13	0.70	< 0.50 U	< 0.50 U	**1.1**	< 1 U
WR-MW-09A	12/03/13	< 0.50 U	< 0.50 U	< 0.50 U	**1.0**	< 1 U
WR-MW-09A	06/30/14	0.80	< 0.50 U	< 0.50 U	**0.8**	< 1 U
WR-MW-09A	11/04/14	< 0.50 U	< 0.50 U	< 0.50 U	**0.7**	< 1 U
WR-MW-09A	09/28/16	1.2	0.90	0.40 J	**0.7**	< 0.50 U
WR-MW-09A	12/21/16	0.40 J	0.20 J	0.50 J	**0.60 J**	0.40 J
WR-MW-09A	12/21/16	0.30 J	< 0.20 U	0.50	**0.6**	< 0.40 U
WR-MW-09A	06/28/17	0.70	< 0.20 U	0.40 J	**0.6**	< 0.40 U
WR-MW-09A	12/19/17	1.1	< 0.20 U	0.40 J	**0.50 J**	< 0.40 U
WR-MW-09A	06/14/18	1.5	< 0.20 U	0.40 J	**0.6**	< 0.40 U

Table B-1. Historical Groundwater Monitoring Results - Organics

Analyte		TCE	Toluene	trans-1,2- DCE	Vinyl Chloride	Xylenes, Total
Units		µg/L	µg/L	µg/L	µg/L	µg/L
California MCL		5	150	10	0.5	1750
Historical MCL Exceedances?		Yes	No	No	Yes	No
Well ID	**Sampled**					
WR-MW-09A	12/14/18	0.68	< 0.50 U	0.38 J	< 0.50 U	< 0.50 U
WR-MW-09A	06/25/19	0.90	< 0.20 U	0.20	0.30	< 0.40 U
WR-MW-09A	12/30/19	0.90	< 0.20 U	0.10	0.30	< 0.40 U
WR-MW-09A	05/07/20	1.2	< 0.20 U	0.40	**0.5**	< 0.40 U
WR-MW-09A	11/18/20	0.96	< 0.20 U	0.11	0.45	< 0.50 U
WR-MW-09A	12/16/21	0.17 J	< 0.16 U	< 0.16 U	< 0.16 U	< 0.45 U
WR-MW-09A	06/08/22	0.28 J	< 0.16 U	0.070 J	0.17 J	< 0.45 U
WR-MW-10A	09/03/04	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	–
WR-MW-10A	12/08/04	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	–
WR-MW-10A	03/02/05	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	–
WR-MW-10A	06/07/05	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	–
WR-MW-10A	09/13/05	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	–
WR-MW-10A	12/06/05	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	–
WR-MW-10A	03/14/06	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	–
WR-MW-10A	06/27/06	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	–
WR-MW-10A	09/25/06	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	–
WR-MW-10A	12/13/06	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	–
WR-MW-10A	03/26/07	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	–
WR-MW-10A	06/11/07	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	–
WR-MW-10A	09/26/07	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	–
WR-MW-10A	12/13/07	0.90	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U
WR-MW-10A	03/26/08	0.60	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U
WR-MW-10A	10/07/08	2.3	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U
WR-MW-10A	04/08/09	4.4	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U
WR-MW-10A	09/28/09	3.1	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U
WR-MW-10A	06/24/10	1.7	< 0.50 U	< 0.50 U	< 0.50 U	< 1 U
WR-MW-10A	01/27/11	3.0	< 0.50 U	< 0.50 U	< 0.50 U	< 1 U
WR-MW-10A	06/21/11	2.2	< 0.50 U	< 0.50 U	< 0.50 U	< 1 U
WR-MW-10A	01/11/12	3.4	< 0.50 U	< 0.50 U	< 0.50 U	< 1 U
WR-MW-10A	06/27/12	2.4	< 0.50 U	< 0.50 U	< 0.50 U	< 1 U
WR-MW-10A	01/04/13	3.5	< 0.50 U	< 0.50 U	< 0.50 U	< 1 U

Table B-1. Historical Groundwater Monitoring Results - Organics

	Analyte	TCE	Toluene	trans-1,2- DCE	Vinyl Chloride	Xylenes, Total
	Units	µg/L	µg/L	µg/L	µg/L	µg/L
	California MCL	5	150	10	0.5	1750
	Historical MCL Exceedances?	Yes	No	No	Yes	No
Well ID	**Sampled**					
WR-MW-10A	06/26/13	2.3	< 0.50 U	< 0.50 U	< 0.50 U	< 1 U
WR-MW-10A	12/04/13	2.6	< 0.50 U	< 0.50 U	< 0.50 U	< 1 U
WR-MW-10A	07/01/14	2.3	< 0.50 U	< 0.50 U	< 0.50 U	< 1 U
WR-MW-10A	11/05/14	2.3	< 0.50 U	< 0.50 U	< 0.50 U	< 1 U
WR-MW-10A	11/18/20	1.6	< 0.20 U	< 0.20 U	< 0.30 U	< 0.50 U
WR-MW-10A	12/16/21	0.96	< 0.16 U	< 0.16 U	< 0.16 U	< 0.45 U
WR-MW-10A	06/08/22	1.3	< 0.16 U	0.060 J	< 0.16 U	< 0.45 U
WR-MW-11A	09/03/04	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	–
WR-MW-11A	12/08/04	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	–
WR-MW-11A	03/02/05	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	–
WR-MW-11A	06/07/05	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	–
WR-MW-11A	09/14/05	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	–
WR-MW-11A	12/08/05	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	–
WR-MW-11A	03/14/06	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	–
WR-MW-11A	06/27/06	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	–
WR-MW-11A	09/26/06	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	–
WR-MW-11A	12/13/06	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	–
WR-MW-11A	03/26/07	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	–
WR-MW-11A	06/11/07	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	–
WR-MW-11A	09/25/07	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	–
WR-MW-11A	12/13/07	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U
WR-MW-11A	03/26/08	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U
WR-MW-11A	10/07/08	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U
WR-MW-11A	04/08/09	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U
WR-MW-11A	09/28/09	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U
WR-MW-11A	06/24/10	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 1 U
WR-MW-11A	01/27/11	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 1 U
WR-MW-11A	06/21/11	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 1 U
WR-MW-11A	01/11/12	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 1 U
WR-MW-11A	06/26/12	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 1 U
WR-MW-11A	01/03/13	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 1 U

Table B-1. Historical Groundwater Monitoring Results - Organics

	Analyte	TCE	Toluene	trans-1,2- DCE	Vinyl Chloride	Xylenes, Total
	Units	µg/L	µg/L	µg/L	µg/L	µg/L
	California MCL	5	150	10	0.5	1750
	Historical MCL Exceedances?	Yes	No	No	Yes	No
Well ID	**Sampled**					
WR-MW-11A	06/25/13	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 1 U
WR-MW-11A	12/03/13	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 1 U
WR-MW-11A	07/01/14	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 1 U
WR-MW-11A	11/05/14	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 1 U
WR-MW-11A	09/28/16	0.20 J	0.30 J	< 0.20 U	< 0.20 U	< 0.40 U
WR-MW-11A	12/21/16	0.50 J	< 0.20 U	< 0.20 U	< 0.20 U	< 0.40 U
WR-MW-11A	06/28/17	0.40 J	< 0.20 U	< 0.40 U	< 0.20 U	< 0.40 U
WR-MW-11A	12/19/17	0.50 J	< 0.40 U	< 0.40 U	< 0.40 U	< 0.80 U
WR-MW-11A	12/14/18	0.22	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U
WR-MW-11A	06/25/19	0.20	< 0.20 U	< 0.40 U	< 0.40 U	< 0.40 U
WR-MW-11A	12/30/19	0.20 J	< 0.20 U	< 0.40 U	< 0.40 U	< 0.40 U
WR-MW-11A	05/07/20	0.30	< 0.20 U	< 0.40 U	< 0.40 U	< 0.40 U
WR-MW-11A	11/18/20	0.21	< 0.20 U	< 0.20 U	< 0.30 U	< 0.50 U
WR-MW-11A	12/16/21	0.10 J	< 0.16 U	< 0.16 U	< 0.16 U	< 0.45 U
WR-MW-11A	06/08/22	0.13 J	< 0.16 U	< 0.16 U	< 0.16 U	< 0.45 U
WR-MW-12A	09/20/05	**6.0**	< 0.50 U	< 0.50 U	< 0.50 U	–
WR-MW-12A	12/06/05	**5.5**	< 0.50 U	< 0.50 U	< 0.50 U	–
WR-MW-12A	03/14/06	**6.6**	< 0.50 U	< 0.50 U	< 0.50 U	–
WR-MW-12A	06/27/06	**5.9**	< 0.50 U	< 0.50 U	< 0.50 U	–
WR-MW-12A	09/26/06	**7.2**	< 0.50 U	< 0.50 U	< 0.70 U	–
WR-MW-12A	12/13/06	**5.0**	< 0.70 U	< 0.70 U	< 0.50 U	–
WR-MW-12A	03/26/07	**5.8**	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U
WR-MW-12A	06/11/07	3.1	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U
WR-MW-12A	09/25/07	3.8	< 0.50 U	< 0.50 U	< 0.50 U	–
WR-MW-12A	12/13/07	2.5	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U
WR-MW-12A	03/26/08	**5.3**	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U
WR-MW-12A	10/07/08	**5.2**	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U
WR-MW-12A	04/08/09	**5.0**	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U
WR-MW-12A	09/28/09	**5.2**	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U
WR-MW-12A	06/24/10	**9.9**	< 0.50 U	< 0.50 U	< 0.50 U	< 1 U
WR-MW-12A	01/27/11	**5.3**	< 0.50 U	< 0.50 U	< 0.50 U	< 1 U

Table B-1. Historical Groundwater Monitoring Results - Organics

Analyte		TCE	Toluene	trans-1,2- DCE	Vinyl Chloride	Xylenes, Total
Units		µg/L	µg/L	µg/L	µg/L	µg/L
California MCL		5	150	10	0.5	1750
Historical MCL Exceedances?		Yes	No	No	Yes	No
Well ID	**Sampled**					
WR-MW-12A	06/21/11	2.0	< 0.50 U	< 0.50 U	< 0.50 U	< 1 U
WR-MW-12A	01/11/12	2.6	< 0.50 U	< 0.50 U	< 0.50 U	< 1 U
WR-MW-12A	06/27/12	2.6	< 0.50 U	< 0.50 U	< 0.50 U	< 1 U
WR-MW-12A	01/04/13	3.1	< 0.50 U	< 0.50 U	< 0.50 U	< 1 U
WR-MW-12A	06/26/13	3.2	< 0.50 U	< 0.50 U	< 0.50 U	< 1 U
WR-MW-12A	12/04/13	3.2	< 0.50 U	< 0.50 U	< 0.50 U	< 1 U
WR-MW-12A	07/01/14	3.3	< 0.50 U	< 0.50 U	< 0.50 U	< 1 U
WR-MW-12A	11/05/14	3.2	< 0.50 U	< 0.50 U	< 0.50 U	< 1 U
WR-MW-12A	09/28/16	0.70	0.40 J	0.20 J	**0.6**	< 0.40 U
WR-MW-12A	12/21/16	1.0	< 0.20 U	0.10 J	0.20 J	< 0.40 U
WR-MW-12A	06/28/17	0.80	< 0.20 U	0.20 J	< 0.20 U	< 0.40 U
WR-MW-12A	12/19/17	1.0	< 0.20 U	0.20 J	0.20 J	< 0.40 U
WR-MW-12A	06/14/18	1.0	< 0.40 U	0.10 J	< 0.40 U	< 0.40 U
WR-MW-12A	06/14/18	1.1	< 0.20 U	0.20 J	< 0.20 U	< 0.40 U
WR-MW-12A	12/14/18	1.3	0.11	< 0.50 U	< 0.50 U	< 0.50 U
WR-MW-12A	06/25/19	1.0	< 0.20 U	0.20	< 0.40 U	< 0.40 U
WR-MW-12A	12/30/19	1.6	< 0.20 U	0.20	< 0.40 U	< 0.40 U
WR-MW-12A	05/07/20	1.8	< 0.20 U	0.20	< 0.40 U	< 0.40 U
WR-MW-12A	11/18/20	1.7	< 0.20 U	0.19	< 0.30 U	< 0.50 U
WR-MW-12A	12/16/21	0.42 J	< 0.16 U	< 0.16 U	< 0.16 U	< 0.45 U
WR-MW-12A	06/08/22	0.47 J	< 0.16 U	< 0.16 U	< 0.16 U	< 0.45 U

Notes:

<= Not detected above indicated limit
µg/L= micrograms per liter
Bold= exceeds State MCL
J= Estimated value; (+) high bias (-) low bias
MCL= Maximum Contaminant Level
N/A= not applicable
U= Not detected at or above limit of detection
UJ = estimated not detected

Table B-2. Historical Groundwater Monitoring Results - Metals

	Analyte:	Arsenic	Barium	Cadmium	Chromium	Copper	Lead	Mercury	Molybdenum	Nickel	Selenium	Thallium	Vanadium	Zinc
	Units:	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
	California MCL:	10	1000	5	50	1300	15	2	N/A	100	50	2	N/A	N/A
Well ID	**Sampled**													
WR-MW-01	07/27/01	7.4	333	4.2	**175**	–	**26.2**	1.4	–	–	4.5 J	< 1 U	–	–
WR-MW-01	01/03/02	< 5 U	25	< 1 U	29	22	< 5 U	< 0.50 U	3.4 J+	< 10 U	< 5 U	< 1 U	3.5 J+	< 50 U
WR-MW-01	01/03/02	< 5 U	28	< 1 U	31	29	< 5 U	< 0.50 U	3.4 J+	< 10 U	< 5 U	< 1 U	3.3 J+	< 50 U
WR-MW-01	04/18/02	< 5 U	140	< 10 U	29	< 10 U	< 3 U	< 0.20 UJ	< 20 U	< 10 U	< 100 U	< 1 U	< 10 U	< 20 U
WR-MW-01	08/13/02	< 5 U	160	< 0.50 U	21	< 10 U	< 3 U	< 0.20 U	< 20 U	< 10 U	5.2	< 1 U	< 10 U	< 20 UJ
WR-MW-01	08/13/02	5.2	150	< 0.50 U	20	< 10 U	< 3 U	< 0.20 U	< 20 U	< 10 U	5.5	< 1 U	11	< 20 UJ
WR-MW-01	02/13/03	< 5 U	250	1.2	14	< 10 U	< 3 U	< 0.20 U	< 20 U	< 10 U	< 5 U	< 1 U	< 10 U	< 20 U
WR-MW-01	02/13/03	< 5 U	230	1.4	11	< 10 U	< 3 U	< 0.20 U	< 20 U	< 10 U	< 5 U	< 1 U	< 10 U	< 20 U
WR-MW-01	08/06/03	**18**	320	< 1 U	**63**	< 10 U	< 3 U	0.22	< 20 U	35	11	< 1 U	28	< 20 U
WR-MW-01	02/10/04	8.6	210	< 1 U	< 10 U	< 10 U	< 3 U	< 0.20 U	< 20 U	< 10 U	< 5 U	< 1 U	< 10 U	< 20 U
WR-MW-01	05/25/04	**17**	240	< 1 U	< 10 U	< 10 U	< 3 U	< 0.20 U	< 20 U	< 10 U	< 5 U	< 1 U	< 10 U	< 20 U
WR-MW-01	12/08/04	< 5 U	230	< 1 U	< 10 U	< 10 U	< 3 U	< 0.20 U	< 20 U	< 10 U	< 5 U	< 1 UJ	< 10 U	< 20 U
WR-MW-01	03/01/05	< 5 U	220	< 1 U	< 10 U	< 10 U	< 3 U	< 0.20 U	< 20 U	< 10 U	< 5 U	< 1 U	< 1 U	< 20 U
WR-MW-01	03/01/05	< 5 U	220	< 1 U	< 10 U	< 10 U	< 3 U	< 0.20 U	< 20 U	< 10 U	< 5 U	< 1 U	< 1 U	< 20 U
WR-MW-01	06/07/05	**12**	820	< 1 U	**350**	< 10 U	< 3 U	< 0.20 U	< 20 U	78	< 5 U	< 1 U	91	< 20 U
WR-MW-01	09/14/05	8.7	420	< 1 U	**170**	< 10 U	< 3 U	< 0.20 U	< 20 U	30	< 5 U	< 1 U	39	< 20 U
WR-MW-01	12/06/05	**10**	580	< 1 U	**270**	< 10 U	< 3 U	< 0.20 U	< 20 U	40	17	< 1 U	63	20
WR-MW-01	12/13/06	7.7	520	< 1 U	**110**	< 10 U	< 3 U	< 0.20 U	< 20 U	31	< 5 U	< 1 U	29	< 20 U
WR-MW-01	06/12/07	8.7	570	< 1 U	**110**	< 10 U	< 3 U	< 0.20 U	< 20 U	33	< 5 U	< 1 U	27	< 20 U
WR-MW-01	06/12/07	9.2	610	< 1 U	**120**	< 10 U	< 3 U	< 0.20 U	< 20 U	38	< 5 U	< 1 U	29	23
WR-MW-01	06/26/07	7.8	630	< 1 U	**250**	< 10 U	< 3 U	< 0.20 U	< 20 U	60	< 5 U	< 1 U	55	< 20 U
WR-MW-01	06/26/07	8.1	590	< 1 U	**240**	< 10 U	< 3 U	< 0.20 U	< 20 U	55	< 5 U	< 1 U	48	< 20 U
WR-MW-01	12/13/07	< 5 U	400	< 1 U	**65**	< 10 U	< 3 U	< 0.20 U	< 20 U	16	< 5 U	< 1 U	14	< 20 U
WR-MW-01	12/13/07	< 5 U	380	< 1 U	**59**	< 10 U	3.4	< 0.20 U	< 20 U	16	< 5 U	< 1 U	13	< 20 U
WR-MW-01	04/09/09	7.6	300	< 5 U	20	< 5 U	< 3 U	< 0.20 U	< 5 U	< 5 U	< 10 U	< 10 U	6.6	< 20 U
WR-MW-01	04/09/09	8.8	300	< 5 U	21	< 5 U	< 3 U	< 0.20 U	< 5 U	5.0	< 10 U	< 10 U	6.4	< 20 U
WR-MW-01	06/24/10	< 5 U	240	< 5 U	9.5	< 5 U	< 5 U	< 0.20 U	8.5	6.9	20	< 10 U	< 5 U	< 20 U
WR-MW-01	06/24/10	< 5 U	230	< 5 U	9.6	< 5 U	< 5 U	< 0.20 U	8.1	6.8	16	< 10 U	< 5 U	< 20 U
WR-MW-01	01/26/11	< 5 U	210	< 5 U	8.9	< 5 U	< 5 U	< 0.20 U	< 5 U	< 5 U	< 10 U	< 10 U	< 5 U	< 20 U
WR-MW-01	01/26/11	< 5 U	190	< 5 U	7.4	< 5 U	< 5 U	< 0.20 U	< 5 U	< 5 U	< 10 U	< 10 U	< 5 U	< 20 U
WR-MW-01	06/20/11	**11**	230	< 5 U	5.7	< 5 U	< 5 U	0.28	6.3	< 5 U	< 10 U	< 10 U	< 5 U	< 20 U
WR-MW-01	06/20/11	**12**	230	< 5 U	7.3	< 5 U	< 5 U	0.24	6.5	< 5 U	< 10 U	< 10 U	< 5 U	< 20 U
WR-MW-01	01/11/12	< 6.1 U	220	< 5 U	< 5 U	< 5 U	< 5 U	< 0.20 U	8.2	< 5 U	< 10 U	< 10 U	< 5 U	< 20 U
WR-MW-01	01/11/12	< 6.1 U	220	< 5 U	< 5 U	< 5 U	< 5 U	< 0.20 U	8.5	< 5 U	< 10 U	< 10 U	< 5 U	< 20 U

Table B-2. Historical Groundwater Monitoring Results - Metals

Analyte:		Arsenic	Barium	Cadmium	Chromium	Copper	Lead	Mercury	Molybdenum	Nickel	Selenium	Thallium	Vanadium	Zinc
Units:		µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
California MCL:		10	1000	5	50	1300	15	2	N/A	100	50	2	N/A	N/A
Well ID	**Sampled**													
WR-MW-01	06/26/12	< 6.1 U	230	< 5 U	< 5 U	< 5 U	< 5 U	< 0.20 U	6.0	< 5 U	< 10 U	< 10 U	< 5 U	< 20 U
WR-MW-01	06/26/12	< 6.1 U	230	< 5 U	< 5 U	< 5 U	< 5 U	< 0.20 U	6.2	< 5 U	< 10 U	< 10 U	< 5 U	< 20 U
WR-MW-01	01/04/13	< 5 U	200	< 5 U	< 5 U	< 5 U	< 5 U	0.20	11	11	< 10 U	< 10 U	< 5 U	< 20 U
WR-MW-01	01/04/13	< 5 U	230	< 5 U	< 5 U	< 5 U	< 5 U	0.20	9.2	11	< 10 U	< 10 U	< 5 U	24
WR-MW-01	06/25/13	< 5 U	220	< 5 U	< 5 U	< 5 U	< 5 U	< 0.20 U	< 5 U	8.6	< 10 U	< 10 U	< 5 U	< 20 U
WR-MW-01	06/25/13	< 5 U	220	< 5 U	< 5 U	< 5 U	< 5 U	< 0.20 U	5.2	7.6	< 10 U	< 10 U	< 5 U	< 20 U
WR-MW-01	12/03/13	< 5 U	230	< 5 U	< 5 U	< 5 U	< 5 U	< 0.20 U	7.3	< 5 U	< 10 U	< 10 U	< 5 U	< 20 U
WR-MW-01	12/03/13	< 5 U	230	< 5 U	< 5 U	< 5 U	< 5 U	< 0.20 U	7.4	< 5 U	< 10 U	< 10 U	< 5 U	< 20 U
WR-MW-01	06/30/14	< 5 U	210	< 5 U	< 5 U	< 5 U	< 5 U	< 0.20 U	9.4	< 5 U	< 10 U	< 10 U	< 5 U	< 20 U
WR-MW-01	06/30/14	< 5 U	190	< 5 U	< 5 U	< 5 U	< 5 U	< 0.20 U	8.9	< 5 U	< 10 U	< 10 U	< 5 U	< 20 U
WR-MW-01	11/05/14	< 5 U	180	< 5 U	< 5 U	< 5 U	< 5 U	< 0.20 U	16	6.0	19	< 10 U	< 5 U	< 20 U
WR-MW-01	11/05/14	< 5 U	160	< 5 U	< 5 U	< 5 U	< 5 U	< 0.20 U	15	5.9	19	< 10 U	< 5 U	< 20 U
WR-MW-01B	10/03/02	**26**	400	**5.8**	< 10 U	< 10 U	< 3 U	< 0.20 U	< 20 U	52	9.7	< 1 U	< 10 U	24
WR-MW-01B	10/03/02	**25**	400	**5.4**	< 10 U	< 10 U	< 3 U	< 0.20 U	< 20 U	55	9.0	< 1 U	< 10 U	23
WR-MW-02	07/27/01	**27.8**	794	**10.2**	**455**	–	**71.6**	**2.2**	–	–	12.8	< 1 U	–	–
WR-MW-02	01/03/02	< 5 U	< 5 U	< 1 U	16	18	< 5 U	< 0.50 U	4.3 J+	< 10 U	< 5 U	< 1 U	2.6 J+	57
WR-MW-02	04/18/02	5.2	190	< 0.50 U	15	< 10 U	5.3	< 0.20 UJ	< 20 U	< 10 U	< 5 U	< 1 U	< 10 U	< 20 U
WR-MW-02	04/18/02	< 100 U	170	< 10 U	11	< 10 U	< 75 U	< 0.20 UJ	< 20 U	< 30 U	< 100 U	< 1 U	< 10 U	< 20 U
WR-MW-02	08/13/02	8.0	200	< 0.50 U	< 10 U	17	< 3 U	< 0.20 UJ	< 20 U	< 10 U	9.7	< 1 U	< 10 U	< 40 U
WR-MW-02	09/28/09	< 5 U	140	< 0.50 U	< 10 U	< 10 U	< 3 U	< 0.20 U	< 20 U	< 10 U	< 5 U	< 1 U	< 10 U	< 40 U
WR-MW-03	07/27/01	**10.9**	206	1.6 J	**108**	–	**18.2**	1.3	–	–	7.9 J	< 1 U	–	–
WR-MW-03	01/03/02	< 5 U	< 5 U	< 1 U	11	17	< 5 U	< 0.50 U	11	< 10 U	< 5 U	< 1 U	1.8 J+	10 J+
WR-MW-03	04/18/02	6.3	40	< 0.50 U	11	< 10 U	< 3 U	< 0.20 UJ	< 20 U	< 10 U	6.6	< 1 U	11	< 20 U
WR-MW-03	08/13/02	8.6	41	< 0.50 U	< 10 U	< 10 U	< 3 U	< 0.20 UJ	< 20 U	< 10 U	14	< 1 U	< 10 U	< 40 U
WR-MW-04A	10/03/02	9.7	170	< 0.50 U	27	< 10 U	< 3 U	< 0.20 U	< 20 U	11	43	< 1 U	< 10 U	< 20 U
WR-MW-04B	10/03/02	< 5 U	46	< 0.50 U	< 10 U	< 10 U	< 3 U	< 0.20 U	22	< 10 U	14	< 1 U	< 10 U	< 20 U
WR-MW-05A	10/02/02	< 5 U	63	< 0.50 U	**57**	< 10 U	< 3 U	< 0.20 U	< 20 U	< 10 U	5.8	< 1 U	< 10 U	< 20 U
WR-MW-05A	02/12/03	< 5 U	74	< 1 U	35	< 10 U	< 3 U	< 0.20 U	20	< 10 U	5.2	< 1 U	< 10 U	< 20 UJ
WR-MW-05A	08/06/03	< 5 U	93	< 1 U	28	< 10 U	< 3 U	< 0.20 U	< 20 U	< 10 U	7.2	< 1 U	< 10 U	< 20 U
WR-MW-05A	08/06/03	< 5 U	92	< 1 U	28	< 10 U	< 3 U	< 0.20 U	< 20 U	< 10 U	7.1	< 1 U	< 10 U	< 20 U
WR-MW-05A	02/10/04	< 5 U	200	< 1 U	19	< 10 U	< 3 U	< 0.20 U	< 20 U	< 10 U	< 5 U	< 1 U	< 10 U	< 20 U
WR-MW-05A	02/10/04	< 5 U	200	< 1 U	19	< 10 U	< 3 U	< 0.20 U	< 20 U	< 10 U	< 5 U	< 1 U	< 10 U	< 20 U
WR-MW-05A	05/25/04	< 5 U	240	< 1 U	29	< 10 U	< 3 U	< 0.20 U	< 20 U	< 10 U	< 5 U	< 1 U	< 10 U	< 20 U
WR-MW-05A	05/25/04	< 5 U	230	< 1 U	29	< 10 U	< 3 U	< 0.20 U	< 20 U	< 10 U	< 5 U	< 1 U	< 10 U	< 20 U

Table B-2. Historical Groundwater Monitoring Results - Metals

	Analyte:	Arsenic	Barium	Cadmium	Chromium	Copper	Lead	Mercury	Molybdenum	Nickel	Selenium	Thallium	Vanadium	Zinc
	Units:	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
	California MCL:	10	1000	5	50	1300	15	2	N/A	100	50	2	N/A	N/A
Well ID	**Sampled**													
WR-MW-05A	12/08/04	< 5 U	170	< 1 U	< 10 U	< 10 U	< 3 U	< 0.20 U	< 20 U	< 10 U	< 5 U	< 1 UJ	< 10 U	< 20 U
WR-MW-05A	03/01/05	< 5 U	140	< 1 U	< 10 U	< 10 U	< 3 U	< 0.20 U	< 20 U	< 10 U	11	< 1 U	< 10 U	< 20 U
WR-MW-05A	06/07/05	< 5 U	86	< 1 U	< 10 U	< 10 U	< 3 U	< 0.20 U	< 20 U	< 10 U	< 5 U	< 1 U	< 10 U	< 20 U
WR-MW-05A	09/14/05	6.8	83	< 1 U	< 10 U	< 10 U	< 3 U	< 0.20 U	< 20 U	< 10 U	< 5 U	< 1 U	< 10 U	< 20 U
WR-MW-05A	09/14/05	6.4	83	< 1 U	< 10 U	< 10 U	< 3 U	< 0.20 U	< 20 U	< 10 U	< 5 U	< 1 U	< 10 U	< 20 U
WR-MW-05A	12/06/05	**11**	250	< 1 U	< 10 U	< 10 U	< 3 U	< 0.20 U	< 20 U	< 10 U	< 5 U	< 1 U	< 10 U	< 20 U
WR-MW-05A	06/26/06	**34**	310	< 1 U	< 10 U	< 10 U	< 3 U	< 0.20 U	< 20 U	10	< 5 U	< 1 U	< 10 U	< 20 U
WR-MW-05A	12/13/06	**77**	450	< 1 U	**65**	82	< 3 U	< 0.20 U	< 20 U	88	< 5 U	< 1 U	37	< 20 U
WR-MW-05A	06/12/07	**100**	600	< 1 U	**160**	< 10 U	< 3 U	< 0.20 U	< 20 U	**210**	< 5 U	< 1 U	80	28
WR-MW-05A	12/12/07	**130**	770	< 1 U	**170**	< 10 U	< 3 U	< 0.20 U	< 20 U	**220**	27	< 1 U	81	< 20 U
WR-MW-05A	04/09/09	5.8	88	< 5 U	< 5 U	< 5 U	< 3 U	< 0.20 U	21	< 10 U	< 10 U	< 10 U	7.9	< 20 U
WR-MW-05A	06/23/10	**65**	480	< 5 U	33	18	< 5 U	< 0.20 U	11	31	26	< 10 U	16	< 20 U
WR-MW-05A	01/26/11	**65**	510	< 5 U	42	< 5 U	< 5 U	< 0.20 U	11	30	< 10 U	< 10 U	16	< 20 U
WR-MW-05A	06/20/11	**70**	500	< 5 U	36	< 5 U	< 5 U	1.5	11	12	< 10 U	< 10 U	13	< 20 U
WR-MW-05A	01/10/12	**43**	440	< 5 U	44	< 5 U	< 5 U	< 0.20 U	9.7	12	< 10 U	< 10 U	14	< 20 U
WR-MW-05A	06/26/12	**27**	350	< 5 U	**53**	< 5 U	< 5 U	< 0.20 U	5.6	10	18	< 10 U	17	< 20 U
WR-MW-05A	01/03/13	**39**	350	< 5 U	**50**	< 5 U	< 5 U	< 0.20 U	7.8	6.8	< 10 U	< 10 U	15	< 20 U
WR-MW-05A	06/25/13	**41**	340	< 5 U	38	< 5 U	< 5 U	< 0.20 U	7.6	6.5	< 10 U	< 10 U	12	< 20 U
WR-MW-05A	12/03/13	**49**	480	< 5 U	37	< 5 U	< 5 U	< 0.20 U	< 5 U	6.5	< 10 U	< 10 U	12	< 20 U
WR-MW-05A	06/30/14	**49**	640	< 5 U	21	< 5 U	< 5 U	< 0.20 U	< 5 U	8.3	< 10 U	< 10 U	8.7	< 20 U
WR-MW-05A	11/04/14	**43**	820	< 5 U	20	< 5 U	< 5 U	< 0.20 U	< 5 U	13	17	< 10 U	8.1	< 20 U
WR-MW-05B	09/30/02	< 5 U	50	< 0.50 U	< 10 U	< 10 U	< 3 U	< 0.20 U	25	< 10 U	8.3	< 1 U	< 10 U	57
WR-MW-06A	10/03/02	6.0	74	< 0.50 U	37	< 10 U	< 3 U	< 0.20 U	< 20 U	< 10 U	11	< 1 U	< 10 U	< 20 U
WR-MW-06B	09/30/02	< 5 U	61	< 0.50 U	< 10 U	200	7.9	< 0.20 U	< 20 U	< 10 U	**56**	< 1 U	< 10 U	58
WR-MW-07A	10/03/02	6.2	110	< 0.50 U	29	< 10 U	< 3 U	< 0.20 U	< 20 U	< 10 U	12	< 1 U	< 10 U	< 20 U
WR-MW-07A	02/12/03	< 5 U	55	< 1 U	23	< 10 U	< 3 U	< 0.20 U	< 20 U	< 10 U	< 5 U	< 1 U	< 10 U	< 20 UJ
WR-MW-07A	08/06/03	< 5 U	66	< 1 U	24	< 10 U	< 3 U	< 0.20 U	< 20 U	< 10 U	6.0	< 1 U	< 10 U	< 20 U
WR-MW-07A	02/10/04	< 5 U	82	< 1 U	26	< 10 U	< 3 U	< 0.20 U	< 20 U	< 10 U	5.6	< 1 U	< 10 U	< 20 U
WR-MW-07A	05/24/04	< 5 U	79	< 1 U	24	< 10 U	< 3 U	< 0.20 U	< 20 U	< 10 U	5.2	< 1 U	< 10 U	< 20 U
WR-MW-07A	03/02/05	< 5 U	92	< 1 U	22	< 10 U	< 3 U	< 0.20 U	< 20 U	< 10 U	< 5 U	< 1 U	< 10 U	< 20 U
WR-MW-07A	06/07/05	< 5 U	85	< 1 U	18	< 10 U	< 3 U	< 0.20 U	< 20 U	< 10 U	< 5 U	< 1 U	< 10 U	< 20 U
WR-MW-07A	09/14/05	< 5 U	85	< 1 U	19	< 10 U	< 3 U	< 0.20 U	< 20 U	< 10 U	< 5 U	< 1 U	< 10 U	< 20 U
WR-MW-07A	12/08/05	< 5 U	80	< 1 U	20	< 10 U	< 3 U	< 0.20 U	< 20 U	< 10 U	< 5 U	< 1 U	< 10 U	< 20 U
WR-MW-07A	12/13/06	< 5 U	68	< 1 U	17	< 10 U	< 3 U	< 0.20 U	20	< 10 U	< 5 U	< 1 U	< 10 U	< 20 U

Table B-2. Historical Groundwater Monitoring Results - Metals

	Analyte:	Arsenic	Barium	Cadmium	Chromium	Copper	Lead	Mercury	Molybdenum	Nickel	Selenium	Thallium	Vanadium	Zinc
	Units:	μg/L	μg/L	μg/L	μg/L	μg/L	μg/L	μg/L	μg/L	μg/L	μg/L	μg/L	μg/L	μg/L
	California MCL:	10	1000	5	50	1300	15	2	N/A	100	50	2	N/A	N/A
Well ID	**Sampled**													
WR-MW-07A	12/13/07	< 5 U	71	< 1 U	17	< 10 U	< 3.4 U	< 0.20 U	21	< 10 U	< 5 U	< 1 U	< 10 U	< 20 U
WR-MW-08A	10/03/02	8.2	62	< 0.50 U	20	< 10 U	< 3 U	< 0.20 U	< 20 U	< 10 U	10	< 1 U	< 10 U	< 20 U
WR-MW-08A	06/24/10	< 5 U	100	< 5 U	6.6	8.9	< 5 U	< 0.20 U	11	< 5 U	26	< 10 U	7.4	< 20 U
WR-MW-08A	01/27/11	< 5 U	120	< 5 U	6.1	< 5 U	< 5 U	< 0.20 U	8.1	< 5 U	< 10 U	< 10 U	7.0	< 20 U
WR-MW-08A	06/20/11	9.7	120	< 5 U	< 5 U	< 5 U	< 5 U	< 0.20 U	9.7	< 5 U	< 10 U	< 10 U	< 5 U	< 20 U
WR-MW-08A	01/11/12	< 6.1 U	100	< 5 U	< 5 U	< 5 U	< 5 U	< 0.20 U	11	< 5 U	< 10 U	< 10 U	6.8	< 20 U
WR-MW-08A	06/26/12	< 5 U	110	< 5 U	5.4	< 5 U	< 5 U	< 0.20 U	7.1	< 5 U	< 10 U	< 10 U	8.5	< 20 U
WR-MW-08A	01/03/13	< 5 U	90	< 5 U	7.2	< 5 U	< 5 U	< 0.20 U	9.1	< 5 U	< 10 U	< 10 U	7.6	< 20 U
WR-MW-08A	06/25/13	< 5 U	82	< 5 U	6.7	< 5 U	< 5 U	< 0.20 U	5.4	< 5 U	< 10 U	< 10 U	7.7	< 20 U
WR-MW-08A	12/03/13	< 5 U	87	< 5 U	11	< 5 U	< 5 U	< 0.20 U	5.3	< 5 U	< 10 U	< 10 U	7.6	< 20 U
WR-MW-08A	06/30/14	< 5 U	67	< 5 U	11	< 5 U	< 5 U	< 0.20 U	5.9	< 5 U	< 10 U	< 10 U	8.4	< 20 U
WR-MW-08A	11/05/14	< 5 U	62	< 5 U	9.8	< 5 U	< 5 U	< 0.20 U	7.1	< 5 U	22	< 10 U	7.2	< 20 U
WR-MW-09A	10/03/02	< 5 U	81	< 0.50 U	32	< 10 U	< 3 U	< 0.20 U	< 20 U	< 10 U	11	< 1 U	< 10 U	< 20 U
WR-MW-09A	02/12/03	< 5 U	82	< 1 U	26	< 10 U	< 3 U	< 0.20 U	< 20 U	< 10 U	< 5 U	< 1 U	< 10 U	< 20 UJ
WR-MW-09A	08/06/03	< 5 U	100	< 1 U	25	< 10 U	< 3 U	< 0.20 U	< 20 U	< 10 U	< 5 U	< 1 U	< 10 U	< 20 U
WR-MW-09A	02/10/04	< 5 U	130	< 1 U	19	< 10 U	< 3 U	< 0.20 U	< 20 U	< 10 U	< 5 U	< 1 U	< 10 U	< 20 U
WR-MW-09A	05/25/04	< 5 U	140	< 1 U	19	< 10 U	< 3 U	< 0.20 U	< 20 U	< 10 U	< 5 U	< 1 U	< 10 U	< 20 U
WR-MW-09A	12/08/04	< 5 U	280	< 1 U	17	< 10 U	< 3 U	< 0.20 U	< 20 U	< 10 U	< 5 U	1.9 J-	< 10 U	< 20 U
WR-MW-09A	12/08/04	< 5 U	270	< 1 U	17	< 10 U	< 3 U	< 0.20 U	< 20 U	< 10 U	< 5 U	< 1 UJ	< 10 U	< 20 U
WR-MW-09A	03/01/05	< 5 U	210	< 1 U	11	< 10 U	< 3 U	< 0.20 U	< 20 U	< 10 U	11	< 1 U	< 10 U	< 20 U
WR-MW-09A	06/07/05	< 5 U	180	< 1 U	< 10 U	< 10 U	< 3 U	< 0.20 U	< 20 U	< 10 U	< 5 U	< 1 U	< 10 U	< 20 U
WR-MW-09A	09/14/05	< 5 U	270	< 1 U	< 10 U	< 10 U	< 3 U	< 0.20 U	< 20 U	< 10 U	< 5 U	< 1 U	< 10 U	< 20 U
WR-MW-09A	12/06/05	< 5 U	290	< 1 U	< 10 U	< 10 U	< 3 U	< 0.20 U	< 20 U	< 10 U	< 5 U	< 1 U	< 10 U	< 20 U
WR-MW-09A	12/06/05	< 5 U	290	< 1 U	< 10 U	< 10 U	< 3 U	< 0.20 U	< 20 U	< 10 U	< 5 U	< 1 U	< 10 U	< 20 U
WR-MW-09A	06/12/06	6.6	340	< 1 U	< 10 U	< 10 U	< 3 U	< 0.20 U	< 20 U	< 10 U	< 5 U	< 1 U	< 10 U	< 20 U
WR-MW-09A	06/26/06	**14**	260	< 1 U	< 10 U	< 10 U	< 3 U	< 0.20 U	< 20 U	< 10 U	< 5 U	< 1 U	< 10 U	< 20 U
WR-MW-09A	12/13/06	**10**	240	< 1 U	< 10 U	< 10 U	< 3 U	< 0.20 U	< 20 U	< 10 U	< 5 U	< 1 U	< 10 U	< 20 U
WR-MW-09A	12/12/07	< 5 U	410	< 1 U	< 10 U	< 10 U	< 3 U	< 0.20 U	< 20 U	< 10 U	23	< 1 U	< 10 U	< 20 U
WR-MW-09A	04/09/09	**26**	350	< 5 U	< 5 U	< 5 U	< 3 U	< 0.20 U	< 5 U	< 5 U	< 10 U	< 10 U	< 5 U	< 20 U
WR-MW-09A	06/24/10	**17**	320	< 5 U	12	16	< 5 U	< 0.20 U	14	15	45	< 10 U	< 5 U	< 20 U
WR-MW-09A	01/26/11	**120**	350	< 5 U	27	< 5 U	< 5 U	< 0.20 U	7.8	19	< 10 U	< 10 U	16	< 20 U
WR-MW-09A	06/20/11	**180**	350	< 5 U	31	< 5 U	< 5 U	0.65	10	17	< 10 U	< 10 U	17	< 20 U
WR-MW-09A	01/10/12	**100**	310	< 5 U	**68**	< 5 U	< 5 U	< 0.20 U	12	20	< 10 U	< 10 U	31	< 20 U
WR-MW-09A	06/26/12	**98**	370	< 5 U	**81**	< 5 U	< 5 U	< 0.20 U	7.1	23	< 10 U	< 10 U	42	< 20 U

Table B-2. Historical Groundwater Monitoring Results - Metals

	Analyte:	Arsenic	Barium	Cadmium	Chromium	Copper	Lead	Mercury	Molybdenum	Nickel	Selenium	Thallium	Vanadium	Zinc
	Units:	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
	California MCL:	10	1000	5	50	1300	15	2	N/A	100	50	2	N/A	N/A
Well ID	**Sampled**													
WR-MW-09A	01/13/13	**120**	330	< 5 U	**70**	< 5 U	< 5 U	< 0.20 U	11	19	< 10 U	< 10 U	36	< 20 U
WR-MW-09A	06/25/13	**190**	390	< 5 U	**66**	< 5 U	< 5 U	< 0.20 U	< 5 U	21	< 10 U	< 10 U	35	< 20 U
WR-MW-09A	12/03/13	**170**	410	< 5 U	**74**	< 5 U	< 5 U	< 0.20 U	< 5 U	22	< 10 U	< 10 U	37	< 20 U
WR-MW-09A	06/30/14	**120**	370	< 5 U	**77**	< 5 U	< 5 U	< 0.20 U	< 5 U	20	< 10 U	< 10 U	38	< 20 U
WR-MW-09A	11/04/14	**130**	330	< 5 U	**68**	< 5 U	< 5 U	< 0.20 U	< 5 U	16	22	< 10 U	35	< 20 U
WR-MW-10A	04/08/09	**13**	220	< 5 U	< 5 U	6.1	< 3 U	< 0.20 U	< 5 U	7.3	< 10 U	< 10 U	< 5 U	< 20 U
WR-MW-10A	09/28/09	**12**	180	< 5 U	< 5 U	< 10 U	< 3 U	< 0.20 U	< 5 U	< 10 U	< 10 U	< 10 U	< 5 U	< 20 U
WR-MW-10A	06/24/10	< 5 U	230	< 5 U	< 5 U	< 5 U	< 5 U	0.27	13	< 5 U	< 10 U	< 10 U	< 5 U	< 20 U
WR-MW-10A	01/27/11	< 5 U	220	< 5 U	< 5 U	< 5 U	< 5 U	< 0.20 U	5.9	6.7	< 10 U	< 10 U	< 5 U	< 20 U
WR-MW-10A	06/21/11	**17**	180	< 5 U	< 5 U	< 5 U	< 5 U	0.46	9.1	< 5 U	< 10 U	< 10 U	< 5 U	< 20 U
WR-MW-10A	01/11/12	**12**	190	< 5 U	< 5 U	< 5 U	< 5 U	< 0.20 U	12	< 5 U	< 10 U	< 10 U	< 5 U	< 20 U
WR-MW-10A	06/27/12	< 5 U	150	< 5 U	< 5 U	< 5 U	< 5 U	< 0.20 U	9.5	< 5 U	< 10 U	< 10 U	< 5 U	< 20 U
WR-MW-10A	01/04/13	**11**	150	< 5 U	< 5 U	< 5 U	< 5 U	< 0.20 U	11	< 5 U	< 10 U	< 10 U	< 5 U	22
WR-MW-10A	06/26/13	**16**	140	< 5 U	< 5 U	< 5 U	< 5 U	< 0.20 U	8.4	< 5 U	< 10 U	< 10 U	< 5 U	< 20 U
WR-MW-10A	12/04/13	**30**	120	< 5 U	< 5 U	< 5 U	< 5 U	< 0.20 U	11	< 5 U	< 10 U	< 10 U	< 5 U	< 20 U
WR-MW-10A	07/01/14	**35**	150	< 5 U	< 5 U	< 5 U	< 5 U	< 0.20 U	9.2	< 5 U	< 10 U	< 10 U	< 5 U	< 20 U
WR-MW-10A	11/05/14	**33**	130	< 5 U	< 5 U	< 5 U	< 5 U	< 0.20 U	12	< 5 U	10	< 10 U	< 5 U	< 20 U
WR-MW-11A	04/08/09	6.4	180	< 5 U	14	7.4	< 3 U	< 0.20 U	< 5 U	< 5 U	< 10 U	< 10 U	12	< 20 U
WR-MW-11A	09/28/09	< 5 U	160	< 5 U	12	7.4	< 3 U	< 0.20 U	< 5 U	< 5 U	< 10 U	< 10 U	11	< 20 U
WR-MW-11A	06/24/10	< 5 U	150	< 5 U	10	26	< 5 U	< 0.20 U	8.4	< 5 U	32	< 10 U	9.4	360
WR-MW-11A	01/27/11	< 5 U	140	< 5 U	10	< 5 U	< 5 U	< 0.20 U	< 5 U	< 5 U	< 10 U	< 10 U	8.9	< 20 U
WR-MW-11A	06/21/11	**13**	120	< 5 U	< 5 U	< 5 U	< 5 U	0.28	7.3	< 5 U	< 10 U	< 10 U	6.0	< 20 U
WR-MW-11A	01/11/12	< 6.1 U	120	< 5 U	< 5 U	< 5 U	< 5 U	< 0.20 U	7.5	< 5 U	< 10 U	< 10 U	7.6	< 20 U
WR-MW-11A	06/26/12	< 5 U	140	< 5 U	< 5 U	< 5 U	< 5 U	< 0.20 U	5.3	< 5 U	< 10 U	< 10 U	9.8	< 20 U
WR-MW-11A	01/03/13	< 5 U	130	< 5 U	5.3	< 5 U	< 5 U	< 0.20 U	7.2	< 5 U	< 10 U	< 10 U	9.0	< 20 U
WR-MW-11A	06/25/13	< 5 U	110	< 5 U	< 5 U	< 5 U	< 5 U	< 0.20 U	< 5 U	< 5 U	< 10 U	< 10 U	9.2	< 20 U
WR-MW-11A	12/03/13	< 5 U	120	< 5 U	< 5 U	< 5 U	< 5 U	< 0.20 U	< 5 U	< 5 U	< 10 U	< 10 U	9.2	110
WR-MW-11A	07/01/14	< 5 U	120	< 5 U	< 5 U	< 5 U	< 5 U	< 0.20 U	< 5 U	< 5 U	< 10 U	< 10 U	9.8	< 20 U
WR-MW-11A	11/05/14	< 5 U	110	< 5 U	6.1	< 5 U	< 5 U	< 0.20 U	< 5 U	< 5 U	15	< 10 U	8.6	< 20 U
WR-MW-12A	04/08/09	**20**	310	< 5 U	< 5 U	6.3	< 3 U	< 0.20 U	< 5 U	9.8	< 10 U	< 10 U	< 5 U	< 20 U
WR-MW-12A	08/28/09	**16**	260	< 5 U	< 5 U	< 10 U	< 3 U	< 0.20 U	< 5 U	< 10 U	< 10 U	< 10 U	< 10 U	< 20 U
WR-MW-12A	06/24/10	< 5 U	220	< 5 U	< 5 U	< 5 U	< 5 U	< 0.20 U	11	9.8	30	< 10 U	< 5 U	< 20 U
WR-MW-12A	01/27/11	**46**	200	< 5 U	< 5 U	< 5 U	< 5 U	< 0.20 U	< 5 U	11	< 10 U	< 10 U	< 5 U	< 20 U
WR-MW-12A	06/21/11	**70**	150	< 5 U	< 5 U	< 5 U	< 5 U	0.21	7.0	< 5 U	< 10 U	< 10 U	< 5 U	< 20 U

Table B-2. Historical Groundwater Monitoring Results - Metals

Analyte:		Arsenic	Barium	Cadmium	Chromium	Copper	Lead	Mercury	Molybdenum	Nickel	Selenium	Thallium	Vanadium	Zinc
Units:		µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
California MCL:		10	1000	5	50	1300	15	2	N/A	100	50	2	N/A	N/A
Well ID	**Sampled**													
WR-MW-12A	01/11/12	**66**	170	< 5 U	< 5 U	< 5 U	< 5 U	< 0.20 U	10	7.3	< 10 U	< 10 U	< 5 U	< 20 U
WR-MW-12A	06/27/12	**51**	150	< 5 U	< 5 U	< 5 U	< 5 U	< 0.20 U	7.3	5.7	< 10 U	< 10 U	< 5 U	< 20 U
WR-MW-12A	01/04/13	**66**	160	< 5 U	< 5 U	< 5 U	< 5 U	< 0.20 U	9.9	5.6	< 10 U	< 10 U	< 5 U	< 20 U
WR-MW-12A	06/26/13	**62**	140	< 5 U	< 5 U	< 5 U	< 5 U	< 0.20 U	5.5	5.7	< 10 U	< 10 U	< 5 U	< 20 U
WR-MW-12A	12/04/13	**81**	160	< 5 U	< 5 U	< 5 U	< 5 U	< 0.20 U	5.8	5.7	< 10 U	< 10 U	< 5 U	< 20 U
WR-MW-12A	07/01/14	**87**	160	< 5 U	< 5 U	< 5 U	< 5 U	< 0.20 U	< 5 U	6.4	< 10 U	< 10 U	< 5 U	< 20 U
WR-MW-12A	11/05/14	**92**	160	< 5 U	< 5 U	< 5 U	< 5 U	< 0.20 U	7.6	6.4	24	< 10 U	< 5 U	< 20 U

Notes:

"<" = Not detected above indicated limit	MCL = Maximum Contaminant Level
µg/L = micrograms per liter	N/A = not applicable
Bold = exceeds State MCL	U = Not detected at or above limit of detection
J = Estimated value; (+) high bias (-) low bias	UJ = estimated not detected

Table B-3. Historical Groundwater Monitoring Results - Geochemical Parameters

	Analyte:	Iron	Ferric Iron (Fe3+)	Ferrous Iron (Fe2+)	Bromide	Chloride (as Cl)	Nitrate as N	Nitrite as N	Sulfate	Alkalinity, total (as CaCO3)	Sulfide
	Units:	µg/L	µg/L	µg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
Well ID	**Date**										
WR-IW-01	10/02/02	–	–	–	< 4 U	–	–	–	–	–	–
WR-IW-01	02/09/03	–	–	–	–	–	–	–	–	–	–
WR-IW-01	05/23/03	–	–	–	–	–	–	–	–	–	–
WR-IW-01	08/06/03	–	–	–	–	–	–	–	–	–	–
WR-IW-01	11/11/03	–	–	–	–	–	–	–	–	–	–
WR-IW-01	02/10/04	–	–	–	–	–	–	–	–	–	–
WR-IW-02	10/02/02	–	–	–	< 1 U	–	–	–	–	–	–
WR-IW-02	02/12/03	–	–	–	–	–	–	–	–	–	–
WR-IW-02	05/23/03	–	–	–	–	–	–	–	–	–	–
WR-IW-02	08/06/03	–	–	–	–	–	–	–	–	–	–
WR-IW-02	11/11/03	–	–	–	–	–	–	–	–	–	–
WR-IW-03	10/02/02	–	–	–	< 4 U	–	–	–	–	–	–
WR-IW-03	02/12/03	–	–	–	–	–	–	–	–	–	–
WR-IW-03	05/23/03	–	–	–	–	–	–	–	–	–	–
WR-IW-03	08/06/03	–	–	–	–	–	–	–	–	–	–
WR-IW-03	11/11/03	–	–	–	–	–	–	–	–	–	–
WR-IW-03	02/10/04	–	–	–	–	–	–	–	–	–	–
WR-IW-04	10/02/02	–	–	–	< 4 U	–	–	–	–	–	–
WR-IW-04	02/13/03	–	–	–	–	–	–	–	–	–	–
WR-IW-04	05/23/03	–	–	–	–	–	–	–	–	–	–
WR-IW-04	08/06/03	–	–	–	–	–	–	–	–	–	–
WR-IW-04	11/11/03	–	–	–	–	–	–	–	–	–	–
WR-MW-01	07/27/01	–	–	–	–	–	–	–	–	–	–
WR-MW-01	01/03/02	260	0	310	–	–	18	< 0.50 U	140	310	< 0.40 U
WR-MW-01	01/03/02	310	–	–	–	–	18	< 0.50 U	140	310	< 0.40 U
WR-MW-01	04/18/02	1800	1400	400	–	–	22	< 0.20 U	140	300	< 0.50 U
WR-MW-01	08/13/02	2100	1900	0	–	–	24	< 0.20 U	130	320	< 0.50 U
WR-MW-01	08/13/02	1900	–	–	–	–	24	< 0.20 U	130	310	< 0.50 U
WR-MW-01	11/14/02	1300	1300	0	2.1 J-	170	–	–	130	290	< 0.50 U
WR-MW-01	02/13/03	2200 J+	–	–	0.75	170	12	2.3	150	580	–
WR-MW-01	02/13/03	1900 J+	1900 J+	0	0.82	170	12	2.6	150	570	< 0.040 U
WR-MW-01	06/26/03	16000	–	–	22	210	3.3	2.0	90	1300	0.12 J-
WR-MW-01	06/26/03	14000	9200	4800	26	210	3.5	2.2	94	1200	0.19 J-
WR-MW-01	08/06/03	9700	6500	3200	14	180	2.6	< 0.50 U	50	1100	0.35
WR-MW-01	11/11/03	5500	–	–	0.54	140	1.1	0.11	170	750	0.16

Table B-3. Historical Groundwater Monitoring Results - Geochemical Parameters

	Analyte:	Iron	Ferric Iron (Fe3+)	Ferrous Iron (Fe2+)	Bromide	Chloride (as Cl)	Nitrate as N	Nitrite as N	Sulfate	Alkalinity, total (as CaCO3)	Sulfide
	Units:	µg/L	µg/L	µg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
Well ID	**Date**										
WR-MW-01	11/11/03	5900	2400	3500	0.55	140	1.1	0.11	170	760	0.16
WR-MW-01	02/10/04	3200	–	4800	0.41	120	2.8	0.80	200	620	0.080 J-
WR-MW-01	05/25/04	8900	4900	4000	0.70	130	1.1	0.070	100	650	0.72
WR-MW-01	09/02/04	5200	–	–	0.64	120	1.4	0.13	160	620	0.050 J-
WR-MW-01	12/08/04	4300	300	4000	0.37	100	2.4	0.72	180	510	< 0.040 U
WR-MW-01	03/01/05	3700	100	3800	0.35	95	3.1	0.31	150	550	0.080
WR-MW-01	03/01/05	3700	–	–	0.34	95	2.8	0.26	150	550	–
WR-MW-01	06/07/05	49000	–	–	< 2 U	380	< 0.50 U	0.77	34	2400	< 0.040 U
WR-MW-01	06/07/05	49000	–	–	< 2 U	380	< 0.50 U	0.73	34	2300	< 0.040 U
WR-MW-01	06/09/05	–	–	–	–	–	–	–	–	–	–
WR-MW-01	06/09/05	–	–	–	–	–	–	–	–	–	–
WR-MW-01	09/14/05	24000	18500	5500	4.5	180	< 0.050 U	< 0.050 U	25	1400	< 0.040 U
WR-MW-01	12/06/05	32000	28800	3200	20	300	< 0.050 U	< 0.050 U	< 0.50 U	2000	< 0.040 U
WR-MW-01	03/14/06	25000	21200	3800	21	360	< 0.10 U	< 0.10 U	3.2	2300	< 0.040 U
WR-MW-01	06/26/06	21000	16400	4600	5.5	270	< 0.050 UJ	< 0.050 UJ	7.7	1800	< 0.040 U
WR-MW-01	06/26/06	21000	–	–	5.7	280	< 0.050 UJ	< 0.050 UJ	6.3	1900	< 0.040 U
WR-MW-01	06/29/06	–	–	–	–	–	–	–	–	–	–
WR-MW-01	09/26/06	21000	–	–	–	250	< 0.050 U	< 0.050 U	12	1700	< 0.040 U
WR-MW-01	09/26/06	19000	–	–	–	240	< 0.050 U	< 0.050 U	14	1700	0.33
WR-MW-01	12/13/06	18000	–	–	1.1	140	< 0.050 U	< 0.050 U	22	1500	< 0.040 U
WR-MW-01	03/27/07	28000	27600	400	–	210	< 0.050 U	< 0.050 U	3.1	1700	0.61
WR-MW-01	06/12/07	26000	22400	3600	< 0.20 U	210	< 0.050 U	< 0.050 U	21	1600	< 0.30 U
WR-MW-01	06/12/07	29000	27600	–	< 0.20 U	230	< 0.050 U	< 0.050 U	13	1700	–
WR-MW-01	06/26/07	–	–	–	–	–	–	–	–	–	–
WR-MW-01	06/26/07	–	–	–	–	–	–	–	–	–	–
WR-MW-01	09/26/07	18000	–	–	–	160	< 0.050 U	< 0.050 U	20 J	1400	0.34
WR-MW-01	09/26/07	17000	–	–	–	160	< 0.050 U	< 0.050 U	30 J	1400	0.36
WR-MW-01	12/13/07	17000	16996	3.2	< 1 U	150	< 0.25 U	–	49	1100	0.37
WR-MW-01	12/13/07	15000	–	–	< 1 U	160	< 0.25 U	–	6.5	1300	0.41
WR-MW-01	03/27/08	–	–	–	< 1 U	120	0.25	< 0.050 U	68	890	0.63
WR-MW-01	03/27/08	12000	4700	7300	–	120	0.090	< 0.050 U	51	930	0.39
WR-MW-01	10/08/08	14000	–	10	–	130	0.10	< 0.050 U	76	720	0.060
WR-MW-01	10/08/08	15000	–	–	–	130	< 0.050 U	< 0.050 U	79	730	0.10
WR-MW-01	04/09/09	11000	8000	3000	–	150	0.070	< 0.050 U	77	800	0.27
WR-MW-01	04/09/09	11000	–	–	–	150	0.080	< 0.050 U	77	800	0.080

Table B-3. Historical Groundwater Monitoring Results - Geochemical Parameters

	Analyte:	Iron	Ferric Iron (Fe3+)	Ferrous Iron (Fe2+)	Bromide	Chloride (as Cl)	Nitrate as N	Nitrite as N	Sulfate	Alkalinity, total (as CaCO3)	Sulfide
	Units:	µg/L	µg/L	µg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
Well ID	**Date**										
WR-MW-01	06/24/10	11000	2000	9000	–	150	< 0.050 U	< 0.050 U	100	620	0.080
WR-MW-01	06/24/10	11000	2000	9000	–	150	< 0.050 U	< 0.050 U	100	620	0.080
WR-MW-01	01/26/11	12000	12000	0	–	–	–	–	110	–	0.12
WR-MW-01	01/26/11	12000	12000	–	–	–	–	–	110	–	0.14
WR-MW-01	06/20/11	11000	9400	1600	–	–	–	–	100	–	< 0.040 U
WR-MW-01	06/20/11	11000	9400	1600	–	–	–	–	100	–	< 0.040 U
WR-MW-01	01/11/12	11000	7000	4000	–	–	–	–	100	–	< 0.040 U
WR-MW-01	01/11/12	11000	7000	4000	–	–	–	–	110	–	< 0.040 U
WR-MW-01	06/26/12	9500	6300	3200	–	–	–	–	110	–	< 0.040 U
WR-MW-01	06/26/12	9500	6300	3200	–	–	–	–	110	–	< 0.040 U
WR-MW-01	01/04/13	10000	7000	3000	–	–	–	–	120	–	0.060
WR-MW-01	01/04/13	9600	6600	3000	–	–	–	–	120	–	0.070
WR-MW-01	06/25/13	11000	8300	2700	–	–	–	–	110	–	0.12
WR-MW-01	06/25/13	9700	7000	2700	–	–	–	–	120	–	0.10
WR-MW-01	12/03/13	12000	7600	4400	–	–	–	–	110	–	0.16
WR-MW-01	12/03/13	13000	8600	4400	–	–	–	–	110	–	0.18
WR-MW-01	06/30/14	7900	4300	3600	–	–	–	–	120	–	< 0.040 U
WR-MW-01	06/30/14	7700	4100	3600	–	–	–	–	120	–	< 0.040 U
WR-MW-01	11/05/14	4500	1300	3200	–	–	–	–	120	–	< 0.040 U
WR-MW-01	11/05/14	6800	3600	3200	–	–	–	–	120	–	< 0.040 U
WR-MW-01B	10/03/02	–	–	–	< 10 U	2600	6.4 J-	< 24 U	150	170	< 0.50 U
WR-MW-01B	10/03/02	–	–	–	< 10 U	2600	6.3	< 24 UJ	150	170	< 0.50 U
WR-MW-01B	02/09/03	–	–	–	0.27	–	–	–	–	–	–
WR-MW-01B	05/29/03	–	–	–	0.60	–	–	–	–	–	–
WR-MW-02	07/27/01	–	–	–	–	–	–	–	–	–	–
WR-MW-02	01/03/02	43000	43000	0	–	–	9.5	< 0.50 U	140	220	< 0.40 U
WR-MW-02	04/18/02	2000	2000	0	–	–	11	< 0.20 U	140	220	< 0.50 U
WR-MW-02	04/18/02	2100	–	–	–	–	11	< 0.20 U	140	220	< 0.50 U
WR-MW-02	08/13/02	520	520	0	–	–	13	< 0.20 U	150	210	< 0.50 U
WR-MW-02	04/09/09	7000	–	0	–	–	–	–	–	–	< 0.040 U
WR-MW-02	09/28/09	–	–	–	–	–	–	–	–	–	–
WR-MW-02	07/01/10	710	–	–	–	79	1.5	< 0.050 U	83	760	0.050
WR-MW-02	01/27/11	530	530	0	–	–	–	–	83	–	< 0.040 U
WR-MW-02	06/20/11	130	130	0	–	–	–	–	74	–	< 0.040 U
WR-MW-02	01/11/12	480	480	0	–	–	–	–	75	–	< 0.040 U

Table B-3. Historical Groundwater Monitoring Results - Geochemical Parameters

	Analyte:	Iron	Ferric Iron (Fe3+)	Ferrous Iron (Fe2+)	Bromide	Chloride (as Cl)	Nitrate as N	Nitrite as N	Sulfate	Alkalinity, total (as CaCO3)	Sulfide
	Units:	µg/L	µg/L	µg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
Well ID	**Date**										
WR-MW-02	06/27/12	610	610	0	–	–	–	–	78	–	< 0.040 U
WR-MW-02	01/04/13	520	520	0	–	–	–	–	94	–	0.10
WR-MW-02	06/26/13	1200	1200	0	–	–	–	–	98	–	0.28
WR-MW-02	12/04/13	1500	1500	0	–	–	–	–	120	–	0.040
WR-MW-02	07/01/14	280	280	0	–	–	–	–	140	–	< 0.040 U
WR-MW-02	11/04/14	140	140	0	–	–	–	–	140	–	< 0.040 U
WR-MW-03	07/27/01	–	–	–	–	–	–	–	–	–	–
WR-MW-03	01/03/02	15000	15000	0	–	–	11	< 0.50 U	150	300	4.4
WR-MW-03	04/18/02	< 300 U	–	–	–	–	12	< 0.20 U	140	300	< 0.50 U
WR-MW-03	08/13/02	500	500	0	–	–	13	< 0.20 U	140	310	< 0.50 U
WR-MW-04A	10/03/02	–	–	–	–	–	–	–	–	–	–
WR-MW-04B	10/03/02	–	–	–	–	–	–	–	–	–	–
WR-MW-05A	10/02/02	–	–	–	–	–	–	–	–	–	–
WR-MW-05A	02/12/03	< 100 U	–	–	0.70	180	15	< 0.050 U	150	320	< 0.040 U
WR-MW-05A	06/26/03	1000	1000	0	0.66	180	16	< 0.050 U	150	380	0.040 R
WR-MW-05A	08/06/03	630	630	0	0.57	180	15	< 0.050 U	140	320	< 0.040 U
WR-MW-05A	08/06/03	640	–	–	0.57	180	15	< 0.050 U	140	330	< 0.040 U
WR-MW-05A	11/11/03	550	550	0	0.52	160	16	< 0.050 U	160	350	< 0.040 U
WR-MW-05A	02/10/04	–	–	–	0.81	–	–	–	–	–	–
WR-MW-05A	02/10/04	–	–	–	0.81	–	–	–	–	–	–
WR-MW-05A	05/25/04	–	–	–	0.86	–	–	–	–	–	–
WR-MW-05A	05/25/04	–	–	–	0.74	–	–	–	–	–	–
WR-MW-05A	09/02/04	420	–	–	0.65	120	7.3	0.44	140	940	0.040 R
WR-MW-05A	12/08/04	< 100 U	–	–	1.5	120	4.8	**1.0**	83	760	< 0.040 U
WR-MW-05A	03/01/05	< 100 U	–	0	1.8	92	3.1	0.19	70	750	< 0.040 U
WR-MW-05A	06/07/05	< 100 U	< 100 U	0	0.31	60	5.1	< 0.050 U	71	470	< 0.040 U
WR-MW-05A	06/09/05	–	–	–	–	–	–	–	–	–	–
WR-MW-05A	09/14/05	780	–	1000	0.24	67	0.31	0.18	49	510	0.17
WR-MW-05A	09/14/05	810	–	–	0.23	68	0.28	0.16	50	490	0.20
WR-MW-05A	12/06/05	1700	–	3000	0.26	73	0.10	< 0.050 U	63	940	< 0.040 U
WR-MW-05A	03/14/06	8300	–	3600	0.67	100	< 0.050 U	< 0.050 U	32	2300	< 0.040 U
WR-MW-05A	03/14/06	8700	–	–	0.66	100	< 0.050 U	< 0.050 U	34	1000	0.060
WR-MW-05A	06/26/06	9800	4800	5000	0.84	120	< 0.050 UJ	< 0.050 UJ	7.9	1200	0.45
WR-MW-05A	09/26/06	20000	–	–	–	230	< 0.050 U	0.12	< 0.50 U	1500	< 0.040 U
WR-MW-05A	12/13/06	17000	–	–	1.1	320	< 0.050 U	< 0.050 U	< 0.050 U	1600	< 0.040 U

Table B-3. Historical Groundwater Monitoring Results - Geochemical Parameters

	Analyte:	Iron	Ferric Iron (Fe3+)	Ferrous Iron (Fe2+)	Bromide	Chloride (as Cl)	Nitrate as N	Nitrite as N	Sulfate	Alkalinity, total (as CaCO3)	Sulfide
	Units:	µg/L	µg/L	µg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
Well ID	**Date**										
WR-MW-05A	03/27/07	22000	19000	3000	–	370	< 0.050 U	< 0.050 U	1.2	1600	< 0.040 U
WR-MW-05A	03/27/07	20000	–	–	–	380	< 0.050 U	< 0.050 U	2.1	1600	< 0.040 U
WR-MW-05A	06/12/07	24000	20000	4000	1.5	400	< 0.050 U	< 0.050 U	4.1	1700	< 0.30 U
WR-MW-05A	09/26/07	26000	–	–	–	540	< 0.050 U	< 0.050 U	< 0.50 U	1600	0.34
WR-MW-05A	12/12/07	33000	32997	3	1.6	660	< 0.025 U	–	< 2.5 U	1700	0.64
WR-MW-05A	03/27/08	24000	4000	20000	–	390	< 0.10 U	< 0.10 U	2.9	1600	0.36
WR-MW-05A	10/08/08	23000	–	< 10 U	–	200	< 0.050 U	< 0.050 U	18	1700	0.15
WR-MW-05A	04/09/09	4000	4000	0	–	430	8.3	< 0.050 U	100	240	< 0.040 U
WR-MW-05A	06/23/10	21000	–	–	–	160	< 0.050 U	< 0.050 U	2.1	1500	< 0.040 U
WR-MW-05A	01/26/11	23000	20400	2600	–	–	–	–	2.6	–	0.090
WR-MW-05A	06/20/11	16000	12600	3400	–	–	–	–	39	–	0.080
WR-MW-05A	01/10/12	12000	6600	5400	–	–	–	–	44	–	< 0.040 U
WR-MW-05A	06/26/12	8900	5300	3600	–	–	–	–	23	–	< 0.040 U
WR-MW-05A	01/03/13	6900	3700	3200	–	–	–	–	34	–	0.19
WR-MW-05A	06/25/13	9100	5900	3200	–	–	–	–	57	–	0.23
WR-MW-05A	12/03/13	7500	4600	2900	–	–	–	–	53	–	0.13
WR-MW-05A	06/30/14	9500	7100	2400	–	–	–	–	68	–	< 0.040 U
WR-MW-05A	11/04/14	12000	8500	3500	–	–	–	–	60	–	< 0.040 U
WR-MW-05B	09/30/02	–	–	–	–	–	–	–	–	–	–
WR-MW-05B	02/09/03	–	–	–	0.62	–	–	–	–	–	–
WR-MW-05B	05/29/03	–	–	–	0.74	–	–	–	–	–	–
WR-MW-06A	10/03/02	–	–	–	–	–	–	–	–	–	–
WR-MW-06B	09/30/02	–	–	–	–	–	–	–	–	–	–
WR-MW-07A	10/03/02	–	–	–	< 4 U	290	8.8	< 3 U	95	230	< 0.50 U
WR-MW-07A	02/12/03	490 J+	490 J+	0	0.66	210	9.5	< 0.050 U	79	220	< 0.040 U
WR-MW-07A	05/28/03	1400	1400	0	0.69	220	9.4	< 0.050 U	70	230	0.12 J-
WR-MW-07A	08/06/03	33000	33000	0	0.56	200	8.5	< 0.050 U	68	210	< 0.040 U
WR-MW-07A	11/11/03	2700	2700	0	0.64	210	8.8	< 0.050 U	74	220	< 0.040 U
WR-MW-07A	02/10/04	–	–	–	0.64	–	–	–	–	–	–
WR-MW-07A	05/24/04	–	–	–	0.65	–	–	–	–	–	–
WR-MW-07A	09/03/04	–	–	–	0.69	–	–	–	–	–	–
WR-MW-07A	12/07/04	–	–	–	0.70	–	–	–	–	–	–
WR-MW-07A	03/02/05	–	–	–	0.71	–	–	–	–	–	–
WR-MW-07A	06/07/05	–	–	–	0.69	–	–	–	–	–	–
WR-MW-07A	06/09/05	–	–	–	–	–	–	–	–	–	–

Table B-3. Historical Groundwater Monitoring Results - Geochemical Parameters

	Analyte:	Iron	Ferric Iron (Fe3+)	Ferrous Iron (Fe2+)	Bromide	Chloride (as Cl)	Nitrate as N	Nitrite as N	Sulfate	Alkalinity, total (as CaCO3)	Sulfide
	Units:	µg/L	µg/L	µg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
Well ID	**Date**										
WR-MW-07A	09/14/05	–	–	–	0.70	–	–	–	–	–	–
WR-MW-07A	12/08/05	–	–	–	0.56	–	–	–	–	–	–
WR-MW-07A	03/14/06	–	–	–	0.46	–	–	–	–	–	–
WR-MW-07A	06/27/06	–	–	–	0.40	–	–	–	–	–	–
WR-MW-07A	12/13/06	–	–	–	0.41	–	–	–	–	–	–
WR-MW-07A	06/12/07	–	–	–	–	–	–	–	–	–	–
WR-MW-07A	12/13/07	–	–	–	0.50	–	–	–	–	–	–
WR-MW-08A	10/03/02	–	–	–	–	–	–	–	–	–	–
WR-MW-08A	04/08/09	2200	–	0	–	–	–	–	–	–	< 0.040 U
WR-MW-08A	06/24/10	120	120	0	–	96	5.1	< 0.050 U	97	650	< 0.040 U
WR-MW-08A	01/27/11	180	180	0	–	–	–	–	98	–	< 0.040 U
WR-MW-08A	06/20/11	< 100 U	< 100 U	0	–	–	–	–	90	–	< 0.040 U
WR-MW-08A	01/11/12	370	370	0	–	–	–	–	97	–	< 0.040 U
WR-MW-08A	06/26/12	< 100 U	< 100 U	0	–	–	–	–	100	–	< 0.040 U
WR-MW-08A	01/03/13	160	160	0	–	–	–	–	130	–	< 0.040 U
WR-MW-08A	06/25/13	550	550	0	–	–	–	–	120	–	0.29
WR-MW-08A	12/03/13	270	270	0	–	–	–	–	160	–	< 0.040 U
WR-MW-08A	06/30/14	< 100 U	–	700	–	–	–	–	160	–	< 0.040 U
WR-MW-08A	11/05/14	1300	1300	0	–	–	–	–	150	–	< 0.040 U
WR-MW-09A	10/03/02	–	–	–	< 4 U	190	20	< 3 U	150	310	< 0.50 U
WR-MW-09A	02/12/03	510 J+	510 J+	0	0.84	160	21	< 0.050 U	150	320	< 0.040 U
WR-MW-09A	06/26/03	1500	–	–	0.76	160	22	< 0.050 U	160	340	0.040 R
WR-MW-09A	08/06/03	1000	–	–	0.64	140	21	< 0.050 U	150	370	< 0.040 U
WR-MW-09A	11/11/03	870	870	–	0.66	140	21	0.070	160	420	< 0.040 U
WR-MW-09A	02/10/04	–	–	–	0.57	–	–	–	–	–	–
WR-MW-09A	05/25/04	–	–	–	0.57	–	–	–	–	–	–
WR-MW-09A	09/02/04	320	–	–	0.61	110	12	**2.2**	130	520	0.040 R
WR-MW-09A	12/08/04	< 100 U	< 100 U	–	0.61	110	9.8	**2.4**	140	780	< 0.040 U
WR-MW-09A	12/08/04	270	–	–	0.62	130	12	**2.2**	130	520	< 0.040 U
WR-MW-09A	03/01/05	< 100 U	–	–	1.1	110	9.6	0.94	140	760	0.060
WR-MW-09A	06/07/05	< 100 U	< 100 U	0	0.98	94	11	0.71	130	610	< 0.040 U
WR-MW-09A	06/09/05	–	–	–	–	–	–	–	–	–	–
WR-MW-09A	09/14/05	250	–	500	1.3	120	8.1	**1.4**	130	920	< 0.040 U
WR-MW-09A	12/06/05	270	–	–	0.73	130	4.9	**2.4**	140	1100	< 0.040 U
WR-MW-09A	12/06/05	270	–	–	0.73	130	4.9	**2.5**	140	1200	< 0.040 U

Table B-3. Historical Groundwater Monitoring Results - Geochemical Parameters

	Analyte:	Iron	Ferric Iron (Fe3+)	Ferrous Iron (Fe2+)	Bromide	Chloride (as Cl)	Nitrate as N	Nitrite as N	Sulfate	Alkalinity, total (as CaCO3)	Sulfide
	Units:	µg/L	µg/L	µg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
Well ID	**Date**										
WR-MW-09A	03/14/06	1200	200	1000	0.71	130	4.1	**1.8**	140	1100	< 0.040 U
WR-MW-09A	06/12/06	–	–	–	–	–	–	–	–	–	–
WR-MW-09A	06/26/06	5500	1300	4200	0.58	140	0.19 J	< 0.050 UJ	51	1200	0.85
WR-MW-09A	06/29/06	–	–	–	–	–	–	–	–	–	–
WR-MW-09A	09/26/06	7900	–	–	–	150	< 0.050 U	< 0.050 U	31	1400	0.77
WR-MW-09A	12/13/06	6400	–	–	0.82	140	< 0.050 U	< 0.050 U	63	1300	1.2
WR-MW-09A	03/27/07	10000	5800	4200	–	160	< 0.050 U	< 0.050 U	96	1300	0.090
WR-MW-09A	07/12/07	13000	9500	3500	1.5	180	< 0.050 U	< 0.050 U	130	1400	0.15
WR-MW-09A	09/26/07	13000	–	–	–	190	< 0.050 U	< 0.050 U	110	1400	0.23
WR-MW-09A	12/12/07	12000	8000	4000	1.1	200	< 0.050 U	–	130	1300	0.16
WR-MW-09A	03/27/08	13000	5900	7100	–	210	< 0.050 U	< 0.050 U	130	1300	0.080
WR-MW-09A	10/08/08	9000	2000	7000	–	180	< 0.050 U	< 0.050 U	130	1300	< 0.040 U
WR-MW-09A	04/09/09	12000	9000	3000	–	190	0.14	< 0.050 U	140	1400	< 0.040 U
WR-MW-09A	06/24/10	890	–	9000	–	230	< 0.050 U	< 0.050 U	110	1500	< 0.040 U
WR-MW-09A	01/26/11	11000	11000	0	–	–	–	–	74	–	< 0.040 U
WR-MW-09A	06/20/11	10000	8000	2000	–	–	–	–	59	–	0.050
WR-MW-09A	01/10/12	11000	6600	4400	–	–	–	–	33	–	< 0.040 U
WR-MW-09A	06/26/12	9900	5900	4000	–	–	–	–	43	–	< 0.040 U
WR-MW-09A	01/03/13	10000	6200	3800	–	–	–	–	47	–	0.19
WR-MW-09A	01/13/13	–	–	–	–	–	–	–	–	–	–
WR-MW-09A	06/25/13	11000	9200	1800	–	–	–	–	68	–	0.14
WR-MW-09A	12/03/13	12000	6600	5400	–	–	–	–	76	–	0.070
WR-MW-09A	06/30/14	8400	6100	2300	–	–	–	–	23	–	0.040
WR-MW-09A	11/04/14	9300	5600	3700	–	–	–	–	31	–	< 0.040 U
WR-MW-10A	12/06/05	2300	2300	0	0.84	170	13	0.18	150	490	< 0.040 U
WR-MW-10A	03/14/06	–	–	–	–	–	–	–	–	–	–
WR-MW-10A	09/25/06	–	–	–	–	–	–	–	–	–	–
WR-MW-10A	12/13/06	1100	–	–	–	180	11	< 0.050 U	150	560	–
WR-MW-10A	03/26/07	–	–	–	–	–	–	–	–	–	–
WR-MW-10A	09/25/07	–	–	–	–	–	–	–	–	–	–
WR-MW-10A	12/13/07	–	–	–	–	–	–	–	–	–	–
WR-MW-10A	03/28/08	–	–	–	–	–	–	–	–	–	–
WR-MW-10A	10/08/08	–	–	–	–	–	–	–	–	–	–
WR-MW-10A	04/08/09	1500	–	2000	–	180	0.070	< 0.050 U	92	920	< 0.040 U
WR-MW-10A	09/28/09	–	–	–	–	–	–	–	–	–	–

Table B-3. Historical Groundwater Monitoring Results - Geochemical Parameters

	Analyte:	Iron	Ferric Iron (Fe3+)	Ferrous Iron (Fe2+)	Bromide	Chloride (as Cl)	Nitrate as N	Nitrite as N	Sulfate	Alkalinity, total (as CaCO3)	Sulfide
	Units:	µg/L	µg/L	µg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
Well ID	**Date**										
WR-MW-10A	06/24/10	1200	–	–	–	240	< 0.050 U	< 0.050 U	99	1100	< 0.040 U
WR-MW-10A	01/27/11	2700	1700	1000	–	–	–	–	93	–	< 0.040 U
WR-MW-10A	06/21/11	1500	500	1000	–	–	–	–	86	–	0.090
WR-MW-10A	01/11/12	15000	14000	1000	–	–	–	–	94	–	< 0.040 U
WR-MW-10A	06/27/12	2300	1400	900	–	–	–	–	98	–	< 0.040 U
WR-MW-10A	01/04/13	2800	1800	1000	–	–	–	–	180	–	< 0.040 U
WR-MW-10A	06/26/13	1800	1800	0	–	–	–	–	100	–	0.29
WR-MW-10A	12/04/13	1100	900	200	–	–	–	–	95	–	0.040
WR-MW-10A	07/01/14	260	110	150	–	–	–	–	93	–	< 0.040 U
WR-MW-10A	11/05/14	3700	3700	0	–	–	–	–	76	–	< 0.040 U
WR-MW-11A	04/08/09	490	490	0	–	220	4.8	< 0.050 U	110	850	< 0.040 U
WR-MW-11A	09/28/09	–	–	–	–	–	–	–	–	–	–
WR-MW-11A	06/24/10	< 100 U	< 100 U	0	–	180	6.8	< 0.050 U	130	740	0.16
WR-MW-11A	01/27/11	< 100 U	< 100 U	0	–	–	–	–	130	–	< 0.040 U
WR-MW-11A	06/21/11	< 100 U	< 100 U	0	–	–	–	–	110	–	< 0.040 U
WR-MW-11A	01/11/12	< 100 U	< 100 U	0	–	–	–	–	110	–	< 0.040 U
WR-MW-11A	06/26/12	< 100 U	< 100 U	0	–	–	–	–	120	–	< 0.040 U
WR-MW-11A	01/03/13	< 100 U	< 100 U	0	–	–	–	–	130	–	< 0.040 U
WR-MW-11A	06/25/13	< 100 U	< 100 U	0	–	–	–	–	120	–	0.050
WR-MW-11A	12/03/13	< 100 U	< 100 U	0	–	–	–	–	110	–	< 0.040 U
WR-MW-11A	07/01/14	< 100 U	< 100 U	0	–	–	–	–	110	–	< 0.040 U
WR-MW-11A	11/05/14	< 100 U	< 100 U	0	–	–	–	–	110	–	< 0.040 U
WR-MW-12A	12/06/05	1400	1400	0	0.55	140	13	< 0.050 U	160	360	< 0.040 U
WR-MW-12A	03/14/06	–	–	–	–	–	–	–	–	–	–
WR-MW-12A	06/27/06	–	–	–	–	–	–	–	–	–	–
WR-MW-12A	09/26/06	–	–	–	–	–	–	–	–	–	–
WR-MW-12A	12/13/06	120	–	–	–	130	6.3	0.25	140	680	< 0.040 U
WR-MW-12A	12/13/06	150	–	–	–	140	5.0	0.31	150	730	< 0.040 U
WR-MW-12A	03/26/07	–	–	–	–	–	–	–	–	–	–
WR-MW-12A	06/11/07	–	–	–	–	–	–	–	–	–	–
WR-MW-12A	09/25/07	–	–	–	–	–	–	–	–	–	–
WR-MW-12A	12/13/07	–	–	–	–	–	–	–	–	–	–
WR-MW-12A	12/13/07	–	–	–	–	–	–	–	–	–	–
WR-MW-12A	10/08/08	–	–	–	–	–	–	–	–	–	–
WR-MW-12A	04/08/09	1800	–	–	–	180	0.11	< 0.050 U	130	1200	< 0.040 U

Table B-3. Historical Groundwater Monitoring Results - Geochemical Parameters

	Analyte:	Iron	Ferric Iron (Fe3+)	Ferrous Iron (Fe2+)	Bromide	Chloride (as Cl)	Nitrate as N	Nitrite as N	Sulfate	Alkalinity, total (as CaCO3)	Sulfide
	Units:	µg/L	µg/L	µg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
Well ID	**Date**										
WR-MW-12A	08/28/09	–	–	–	–	–	–	–	–	–	–
WR-MW-12A	09/28/09	–	–	–	–	–	–	–	–	–	–
WR-MW-12A	06/24/10	2400	–	4000	–	150	< 0.050 U	< 0.050 U	94	980	< 0.040 U
WR-MW-12A	01/27/11	2400	–	3000	–	–	–	–	110	–	< 0.040 U
WR-MW-12A	06/21/11	2000	0	2000	–	–	–	–	3.1	–	< 0.040 U
WR-MW-12A	01/11/12	2000	0	2000	–	–	–	–	92	–	< 0.040 U
WR-MW-12A	06/27/12	1700	–	1900	–	–	–	–	100	–	< 0.040 U
WR-MW-12A	01/04/13	1800	0	1800	–	–	–	–	120	–	0.10
WR-MW-12A	06/26/13	1100	1100	0	–	–	–	–	130	–	0.090
WR-MW-12A	12/04/13	1000	0	1000	–	–	–	–	120	–	< 0.040 U
WR-MW-12A	07/01/14	1000	50	950	–	–	–	–	110	–	< 0.040 U
WR-MW-12A	11/05/14	840	440	400	–	–	–	–	110	–	< 0.040 U

Table B-3. Historical Groundwater Monitoring Results - Geochemical Parameters

Analyte:		Total Organic Carbon	Carbon dioxide	Ethane	Ethylene	Methane
Units:		mg/L	mg/L	ng/L	ng/L	µg/L
Well ID	**Date**					
WR-IW-01	10/02/02	1.1	–	–	–	–
WR-IW-01	02/09/03	4200	–	–	–	–
WR-IW-01	05/23/03	24000	–	–	–	–
WR-IW-01	08/06/03	21000	–	–	–	–
WR-IW-01	11/11/03	21000	–	–	–	–
WR-IW-01	02/10/04	22000	500	26	41	8900
WR-IW-02	10/02/02	1.6	–	–	–	–
WR-IW-02	02/12/03	9700	–	–	–	–
WR-IW-02	05/23/03	19000	–	–	–	–
WR-IW-02	08/06/03	24000	–	–	–	–
WR-IW-02	11/11/03	16000	–	–	–	–
WR-IW-03	10/02/02	1.9	–	–	–	–
WR-IW-03	02/12/03	6600	–	–	–	–
WR-IW-03	05/23/03	17000	–	–	–	–
WR-IW-03	08/06/03	19000	–	–	–	–
WR-IW-03	11/11/03	13000	–	–	–	13.58
WR-IW-03	02/10/04	17000	390	170	130	7400
WR-IW-04	10/02/02	1.1	–	–	–	–
WR-IW-04	02/13/03	6900	–	–	–	–
WR-IW-04	05/23/03	14000	–	–	–	–
WR-IW-04	08/06/03	27000	–	–	–	–
WR-IW-04	11/11/03	22000	–	–	–	–
WR-MW-01	07/27/01	–	–	–	–	–
WR-MW-01	01/03/02	–	27	15	160	0.39
WR-MW-01	01/03/02	–	17	5.7	31	0.054
WR-MW-01	04/18/02	–	21	58	48	0.30
WR-MW-01	08/13/02	–	21	10	120	0.45
WR-MW-01	08/13/02	–	22	14	140	0.51
WR-MW-01	11/14/02	1.4	20	< 5 U	< 5 U	0.19
WR-MW-01	02/13/03	19	–	–	–	–
WR-MW-01	02/13/03	19	–	–	–	–
WR-MW-01	06/26/03	680	–	–	–	–
WR-MW-01	06/26/03	700	–	–	–	–
WR-MW-01	08/06/03	430	280	< 5 U	180	11000
WR-MW-01	11/11/03	120	190	140	53	9900

Table B-3. Historical Groundwater Monitoring Results - Geochemical Parameters

	Analyte:	Total Organic Carbon	Carbon dioxide	Ethane	Ethylene	Methane
	Units:	mg/L	mg/L	ng/L	ng/L	µg/L
Well ID	**Date**					
WR-MW-01	11/11/03	120	190	160	98	10000
WR-MW-01	02/10/04	5.6	140	< 5 U	< 5 U	9500
WR-MW-01	05/25/04	84	140	95	46	4000
WR-MW-01	09/02/04	11	130	32	55	6400
WR-MW-01	12/08/04	2.9	160	72	67	7100
WR-MW-01	03/01/05	3.0	130	< 5 U	17	6900
WR-MW-01	03/01/05	3.0	180	< 5 U	< 5 U	8600
WR-MW-01	06/07/05	–	340	43	30	8200
WR-MW-01	06/07/05	–	450	25 J	< 25 U	8300
WR-MW-01	06/09/05	1500	–	–	–	–
WR-MW-01	06/09/05	1600	–	–	–	–
WR-MW-01	09/14/05	230	430	54	17 J	9800
WR-MW-01	12/06/05	560	410	38	82	6500
WR-MW-01	03/14/06	710	450	34	40	5000
WR-MW-01	06/26/06	340	380	49	42	9100
WR-MW-01	06/26/06	330	440	53	51	1000
WR-MW-01	06/29/06	6800	–	–	–	–
WR-MW-01	09/26/06	240	310	25 J	62	6700
WR-MW-01	09/26/06	240	240	8 J	32	3200
WR-MW-01	12/13/06	100	420	< 25 U	710	8500
WR-MW-01	03/27/07	160	640	52	110	9700
WR-MW-01	06/12/07	140	410	180	150	6900
WR-MW-01	06/12/07	140	400	260	590	7400
WR-MW-01	06/26/07	–	–	–	–	–
WR-MW-01	06/26/07	–	–	–	–	–
WR-MW-01	09/26/07	130	290	35	< 25 U	5300
WR-MW-01	09/26/07	96	240	45	< 25 U	4300
WR-MW-01	12/13/07	31	310	29	< 25 U	6600
WR-MW-01	12/13/07	32	330	4 J	25 J	5300
WR-MW-01	03/27/08	64	300	38	64	11000
WR-MW-01	03/27/08	24	280	38	74	9400
WR-MW-01	10/08/08	11	270	29	140	12000
WR-MW-01	10/08/08	11	240	41	270	9900
WR-MW-01	04/09/09	20	240	37	75	9700
WR-MW-01	04/09/09	19	240	40	68	11000

Table B-3. Historical Groundwater Monitoring Results - Geochemical Parameters

Analyte:		Total Organic Carbon	Carbon dioxide	Ethane	Ethylene	Methane
Units:		mg/L	mg/L	ng/L	ng/L	µg/L
Well ID	**Date**					
WR-MW-01	06/24/10	5.0	230	< 25 U	74	9200
WR-MW-01	06/24/10	4.9	210	< 25 U	81	10000
WR-MW-01	01/26/11	4.3	120	–	–	5300
WR-MW-01	01/26/11	4.3	140	–	–	6300
WR-MW-01	06/20/11	4.9	140	–	–	6200
WR-MW-01	06/20/11	4.8	140	–	–	6800
WR-MW-01	01/11/12	3.4	150	–	–	3200
WR-MW-01	01/11/12	3.3	160	–	–	3500
WR-MW-01	06/26/12	2.6	140	–	–	2200
WR-MW-01	06/26/12	2.5	160	–	–	2300
WR-MW-01	01/04/13	3.5	100	–	–	1200
WR-MW-01	01/04/13	2.8	96	–	–	1400
WR-MW-01	06/25/13	3.0	150	–	–	1500
WR-MW-01	06/25/13	3.0	150	–	–	1600
WR-MW-01	12/03/13	3.3	120	–	–	1400
WR-MW-01	12/03/13	3.3	130	–	–	1800
WR-MW-01	06/30/14	2.7	110	–	–	1300
WR-MW-01	06/30/14	2.5	130	–	–	1800
WR-MW-01	11/05/14	1.7	77	–	–	1700
WR-MW-01	11/05/14	2.0	75	–	–	2100
WR-MW-01B	10/03/02	< 0.8 U	26	46	56	0.92
WR-MW-01B	10/03/02	< 0.8 U	26	51	59	1.1
WR-MW-01B	02/09/03	–	–	–	–	–
WR-MW-01B	05/29/03	–	–	–	–	–
WR-MW-02	07/27/01	–	–	–	–	–
WR-MW-02	01/03/02	–	14	16	57	0.80
WR-MW-02	04/18/02	–	18	27	22	0.99
WR-MW-02	04/18/02	–	17	260	210	2.8
WR-MW-02	08/13/02	–	17	14	150	0.52
WR-MW-02	04/09/09	3.0	160	< 25 U	21 J	780
WR-MW-02	09/28/09	4.0	230	6 J	45	2100
WR-MW-02	07/01/10	2.3	150	< 25 U	32	240
WR-MW-02	01/27/11	2.3	140	–	–	110
WR-MW-02	06/20/11	2.2	140	–	–	370
WR-MW-02	01/11/12	2.1	150	–	–	180

Table B-3. Historical Groundwater Monitoring Results - Geochemical Parameters

	Analyte:	Total Organic Carbon	Carbon dioxide	Ethane	Ethylene	Methane
	Units:	mg/L	mg/L	ng/L	ng/L	µg/L
Well ID	**Date**					
WR-MW-02	06/27/12	1.9	130	–	–	150
WR-MW-02	01/04/13	2.0	86	–	–	14
WR-MW-02	06/26/13	3.0	100	–	–	63
WR-MW-02	12/04/13	1.9	47	–	–	0.23
WR-MW-02	07/01/14	1.4	46	–	–	4.3
WR-MW-02	11/04/14	1.1	45	–	–	13
WR-MW-03	07/27/01	–	–	–	–	–
WR-MW-03	01/03/02	–	13	25	210	0.53
WR-MW-03	04/18/02	–	–	< 5 U	< 5 U	0.28
WR-MW-03	08/13/02	–	19	100	160	0.48
WR-MW-04A	10/03/02	–	–	–	–	–
WR-MW-04B	10/03/02	–	–	–	–	–
WR-MW-05A	10/02/02	–	–	–	–	–
WR-MW-05A	02/12/03	< 1 U	–	–	–	–
WR-MW-05A	06/26/03	1.5	–	–	–	–
WR-MW-05A	08/06/03	1.3	–	–	–	–
WR-MW-05A	08/06/03	1.3	–	–	–	–
WR-MW-05A	11/11/03	1.2	–	–	–	–
WR-MW-05A	02/10/04	1.2	200	100	< 5 U	15000
WR-MW-05A	02/10/04	1.1	–	–	–	–
WR-MW-05A	05/25/04	1.2	–	–	–	–
WR-MW-05A	05/25/04	1.3	–	–	–	–
WR-MW-05A	09/02/04	3.9	250	130	24	840
WR-MW-05A	12/08/04	2.3	170	49	90	3900
WR-MW-05A	03/01/05	3.1	130	< 5 U	44	6400
WR-MW-05A	06/07/05	–	100	18 J	< 25 U	7800
WR-MW-05A	06/09/05	2.3	–	–	–	–
WR-MW-05A	09/14/05	11	97	29	80	7200
WR-MW-05A	09/14/05	11	95	30	96	7400
WR-MW-05A	12/06/05	7.2	510	41	120	4200
WR-MW-05A	03/14/06	53	490	33	90	4100
WR-MW-05A	03/14/06	53	480	17 J	81	3700
WR-MW-05A	06/26/06	70	410	54	66	8400
WR-MW-05A	09/26/06	190	–	–	–	–
WR-MW-05A	12/13/06	170	420	< 25 U	200	7300

Table B-3. Historical Groundwater Monitoring Results - Geochemical Parameters

	Analyte:	Total Organic Carbon	Carbon dioxide	Ethane	Ethylene	Methane
	Units:	mg/L	mg/L	ng/L	ng/L	µg/L
Well ID	**Date**					
WR-MW-05A	03/27/07	310	330	160	150	3200
WR-MW-05A	03/27/07	310	320	170	170	3500
WR-MW-05A	06/12/07	340	460	300	170	8500
WR-MW-05A	09/26/07	350	320	210	39	1900
WR-MW-05A	12/12/07	390	450	160	130	5400
WR-MW-05A	03/27/08	330	390	420	150	7200
WR-MW-05A	10/08/08	140	470	210	0.33	6600
WR-MW-05A	04/09/09	1.1	17	50	21 J	78
WR-MW-05A	06/23/10	58	460	140	300	8100
WR-MW-05A	01/26/11	62	250	–	–	1400
WR-MW-05A	06/20/11	36	250	–	–	10000
WR-MW-05A	01/10/12	32	180	–	–	9400
WR-MW-05A	06/26/12	24	110	–	–	7700
WR-MW-05A	01/03/13	19	88	–	–	5700
WR-MW-05A	06/25/13	15	85	–	–	5000
WR-MW-05A	12/03/13	14	100	–	–	4900
WR-MW-05A	06/30/14	14	140	–	–	2900
WR-MW-05A	11/04/14	16	200	–	–	5200
WR-MW-05B	09/30/02	–	–	–	–	–
WR-MW-05B	02/09/03	–	–	–	–	–
WR-MW-05B	05/29/03	–	–	–	–	–
WR-MW-06A	10/03/02	–	–	–	–	–
WR-MW-06B	09/30/02	–	–	–	–	–
WR-MW-07A	10/03/02	< 0.8 U	14	11	28	0.46
WR-MW-07A	02/12/03	< 1 U	–	–	–	–
WR-MW-07A	05/28/03	0.60	–	–	–	–
WR-MW-07A	08/06/03	0.92	–	–	–	–
WR-MW-07A	11/11/03	1.0	–	–	–	–
WR-MW-07A	02/10/04	0.84	–	–	–	–
WR-MW-07A	05/24/04	0.79	–	–	–	–
WR-MW-07A	09/03/04	0.85	–	–	–	–
WR-MW-07A	12/07/04	0.96	–	–	–	–
WR-MW-07A	03/02/05	0.88	–	–	–	–
WR-MW-07A	06/07/05	–	–	–	–	–
WR-MW-07A	06/09/05	2.9	–	–	–	–

Table B-3. Historical Groundwater Monitoring Results - Geochemical Parameters

	Analyte:	Total Organic Carbon	Carbon dioxide	Ethane	Ethylene	Methane
	Units:	mg/L	mg/L	ng/L	ng/L	µg/L
Well ID	**Date**					
WR-MW-07A	09/14/05	0.88	–	–	–	–
WR-MW-07A	12/08/05	0.82	–	–	–	–
WR-MW-07A	03/14/06	–	–	–	–	–
WR-MW-07A	06/27/06	0.66	–	–	–	–
WR-MW-07A	12/13/06	0.92	–	–	–	–
WR-MW-07A	06/12/07	0.75	–	–	–	–
WR-MW-07A	12/13/07	–	–	–	–	–
WR-MW-08A	10/03/02	–	–	–	–	–
WR-MW-08A	04/08/09	2.0	77	6 J	46	850
WR-MW-08A	06/24/10	1.7	94	< 25 U	27	890
WR-MW-08A	01/27/11	2.1	75	–	–	210
WR-MW-08A	06/20/11	2.0	100	–	–	200
WR-MW-08A	01/11/12	2.0	93	–	–	44
WR-MW-08A	06/26/12	1.6	77	–	–	11
WR-MW-08A	01/03/13	1.7	73	–	–	76
WR-MW-08A	06/25/13	2.2	65	–	–	20
WR-MW-08A	12/03/13	1.4	26	–	–	0.19
WR-MW-08A	06/30/14	1.1	26	–	–	0.60
WR-MW-08A	11/05/14	1.1	27	–	–	0.068
WR-MW-09A	10/03/02	1.0	12	28	34	0.57
WR-MW-09A	02/12/03	< 1 U	–	–	–	–
WR-MW-09A	06/26/03	3.6	–	–	–	–
WR-MW-09A	08/06/03	1.6	–	–	–	–
WR-MW-09A	11/11/03	1.8	–	–	–	–
WR-MW-09A	02/10/04	1.2	–	–	–	–
WR-MW-09A	05/25/04	1.2	–	–	–	–
WR-MW-09A	09/02/04	2.0	80	74	63	1800
WR-MW-09A	12/08/04	1.4	150	7.6	38	1700
WR-MW-09A	12/08/04	1.4	130	11	37	1200
WR-MW-09A	03/01/05	1.9	170	< 5 U	29	3100
WR-MW-09A	06/07/05	–	120	50	15 J	4000
WR-MW-09A	06/09/05	2.0	–	–	–	–
WR-MW-09A	09/14/05	4.2	290	4 J	17 J	4100
WR-MW-09A	12/06/05	2.1	460	13 J	15 J	4200
WR-MW-09A	12/06/05	2.0	490	15 J	16 J	5200

Table B-3. Historical Groundwater Monitoring Results - Geochemical Parameters

	Analyte:	Total Organic Carbon	Carbon dioxide	Ethane	Ethylene	Methane
	Units:	mg/L	mg/L	ng/L	ng/L	µg/L
Well ID	**Date**					
WR-MW-09A	03/14/06	1.5	500	32	22 J	5600
WR-MW-09A	06/12/06	–	–	–	–	–
WR-MW-09A	06/26/06	200	440	26	40	8800
WR-MW-09A	06/29/06	190	–	–	–	–
WR-MW-09A	09/26/06	69	300	11 J	32	8300
WR-MW-09A	12/13/06	14	390	< 25 U	73	7900
WR-MW-09A	03/27/07	10	420	38	62	8700
WR-MW-09A	07/12/07	7.4	420	25 J	88	8900
WR-MW-09A	09/26/07	11	460	25 J	< 25 U	5500
WR-MW-09A	12/12/07	11	460	< 25 U	29	7800
WR-MW-09A	03/27/08	10	420	42	76	9000
WR-MW-09A	10/08/08	8.7	490	39	120	7900
WR-MW-09A	04/09/09	6.1	290	17 J	42	3300
WR-MW-09A	06/24/10	38	440	< 25 U	80	2000
WR-MW-09A	01/26/11	49	420	–	–	3000
WR-MW-09A	06/20/11	63	350	–	–	1400
WR-MW-09A	01/10/12	47	270	–	–	1200
WR-MW-09A	06/26/12	61	320	–	–	2400
WR-MW-09A	01/03/13	57	270	–	–	2300
WR-MW-09A	01/13/13	–	–	–	–	–
WR-MW-09A	06/25/13	50	340	–	–	2900
WR-MW-09A	12/03/13	51	310	–	–	2700
WR-MW-09A	06/30/14	53	290	–	–	5800
WR-MW-09A	11/04/14	42	180	–	–	1600
WR-MW-10A	12/06/05	1.7	66	20 J	21 J	89
WR-MW-10A	03/14/06	2.0	–	–	–	–
WR-MW-10A	09/25/06	1.5	–	–	–	–
WR-MW-10A	12/13/06	1.5	120	< 25 U	47	9400
WR-MW-10A	03/26/07	2.0	–	–	–	–
WR-MW-10A	09/25/07	2.4	–	–	–	–
WR-MW-10A	12/13/07	2.0	220	6 J	14 J	2900
WR-MW-10A	03/28/08	2.0	–	–	–	–
WR-MW-10A	10/08/08	2.0	–	–	–	–
WR-MW-10A	04/08/09	6.7	250	14 J	50	2300
WR-MW-10A	09/28/09	5.4	310	11 J	54	1200

Table B-3. Historical Groundwater Monitoring Results - Geochemical Parameters

	Analyte:	Total Organic Carbon	Carbon dioxide	Ethane	Ethylene	Methane
	Units:	mg/L	mg/L	ng/L	ng/L	µg/L
Well ID	**Date**					
WR-MW-10A	06/24/10	2.3	270	< 25 U	30	420
WR-MW-10A	01/27/11	2.9	250	–	–	92
WR-MW-10A	06/21/11	2.8	210	–	–	190
WR-MW-10A	01/11/12	1.7	200	–	–	320
WR-MW-10A	06/27/12	1.3	140	–	–	260
WR-MW-10A	01/04/13	1.6	110	–	–	200
WR-MW-10A	06/26/13	2.0	120	–	–	170
WR-MW-10A	12/04/13	1.8	68	–	–	190
WR-MW-10A	07/01/14	1.5	70	–	–	210
WR-MW-10A	11/05/14	2.2	74	–	–	320
WR-MW-11A	04/08/09	1.9	140	6 J	16 J	86
WR-MW-11A	09/28/09	1.6	210	< 0.025 U	0.20 J	74
WR-MW-11A	06/24/10	4.1	160	< 25 U	< 25 U	0.59
WR-MW-11A	01/27/11	1.5	130	–	–	320
WR-MW-11A	06/21/11	1.4	110	–	–	310
WR-MW-11A	01/11/12	1.3	120	–	–	380
WR-MW-11A	06/26/12	1.1	130	–	–	380
WR-MW-11A	01/03/13	1.6	94	–	–	160
WR-MW-11A	06/25/13	2.0	110	–	–	270
WR-MW-11A	12/03/13	2.0	87	–	–	85
WR-MW-11A	07/01/14	1.4	110	–	–	120
WR-MW-11A	11/05/14	1.1	100	–	–	91
WR-MW-12A	12/06/05	1.5	35	8 J	20 J	0.69
WR-MW-12A	03/14/06	1.5	140	8 J	20 J	0.69
WR-MW-12A	06/27/06	1.3	140	8 J	36	8100
WR-MW-12A	09/26/06	1.4	140	8 J	36	8100
WR-MW-12A	12/13/06	1.4	260	< 0.25 U	29	8600
WR-MW-12A	12/13/06	1.5	260	< 0.25 U	17 J	8200
WR-MW-12A	03/26/07	1.9	–	–	–	–
WR-MW-12A	06/11/07	–	290	26	94	5600
WR-MW-12A	09/25/07	2.3	–	–	–	–
WR-MW-12A	12/13/07	1.8	340	< 25 U	21 J	4500
WR-MW-12A	12/13/07	3.3	–	–	–	–
WR-MW-12A	10/08/08	2.7	–	–	–	–
WR-MW-12A	04/08/09	3.0	420	37	43	6100

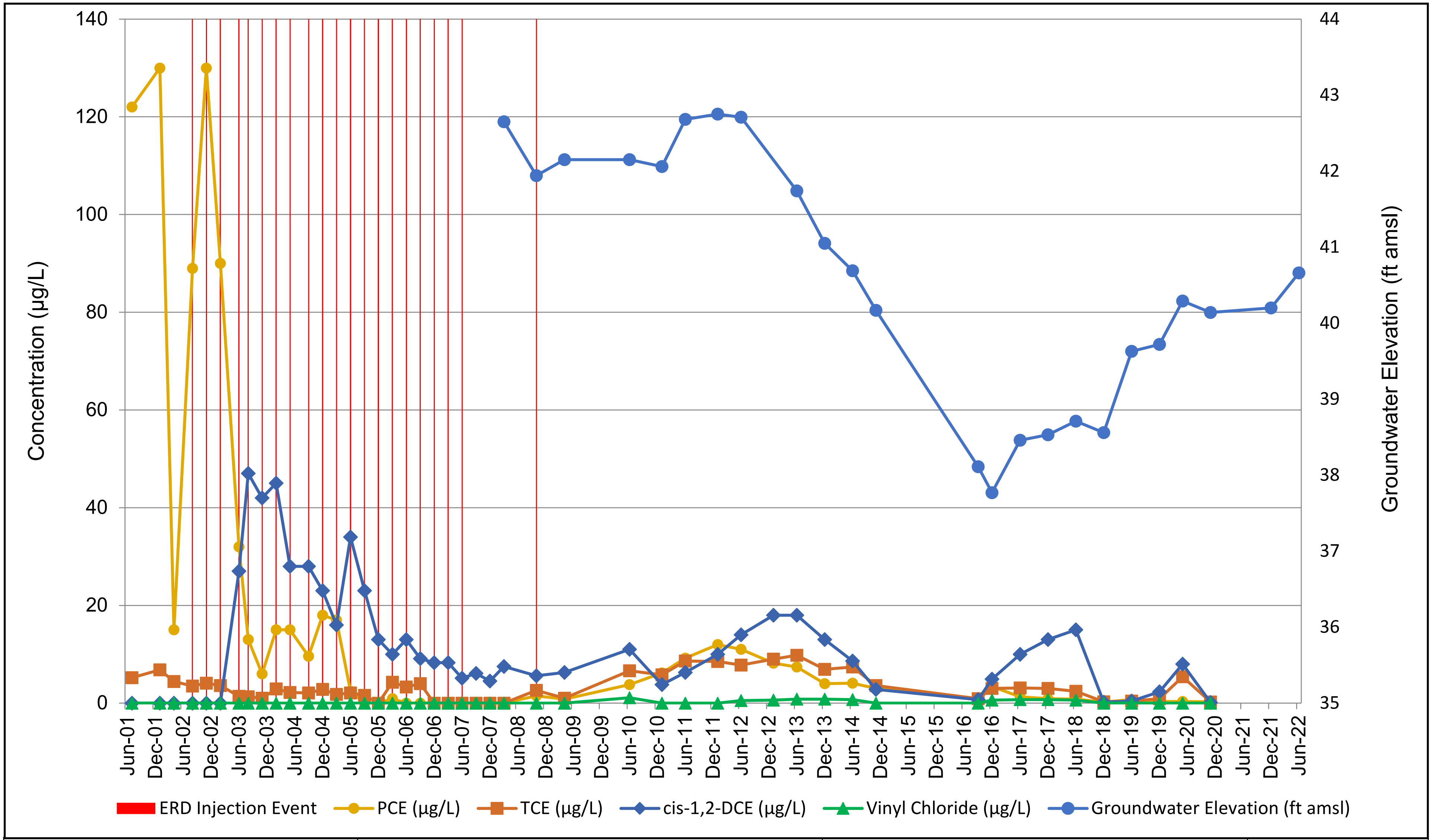
Table B-3. Historical Groundwater Monitoring Results - Geochemical Parameters

	Analyte:	Total Organic Carbon	Carbon dioxide	Ethane	Ethylene	Methane
	Units:	mg/L	mg/L	ng/L	ng/L	µg/L
Well ID	**Date**					
WR-MW-12A	08/28/09	–	–	–	–	–
WR-MW-12A	09/28/09	2.5	450	6 J	51	5900
WR-MW-12A	06/24/10	4.7	420	< 25 U	67	1500
WR-MW-12A	01/27/11	6.3	330	–	–	1200
WR-MW-12A	06/21/11	6.7	230	–	–	130
WR-MW-12A	01/11/12	4.1	280	–	–	460
WR-MW-12A	06/27/12	2.9	170	–	–	210
WR-MW-12A	01/04/13	2.9	130	–	–	140
WR-MW-12A	06/26/13	2.8	120	–	–	84
WR-MW-12A	12/04/13	3.1	130	–	–	160
WR-MW-12A	07/01/14	2.9	120	–	–	98
WR-MW-12A	11/05/14	2.7	120	–	–	240

Notes:

<= Not detected above indicated limit
µg/L= micrograms per liter
J= Estimated value; (+) high bias (-) low bias
N/A= not applicable
U= Not detected at or above limit of detection
UJ = estimated not detected

Appendix C. Time-Series Plots

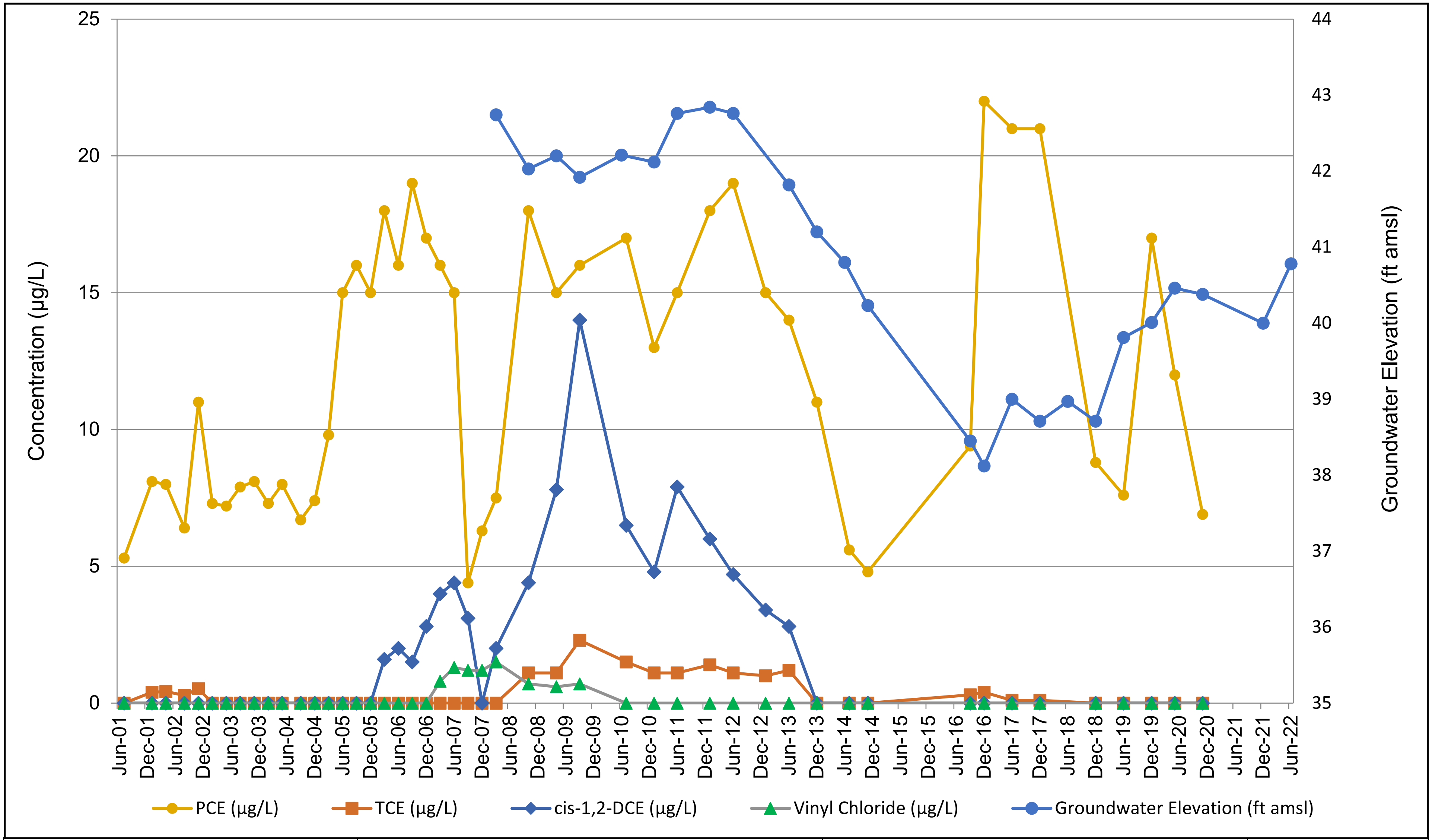


Ahtna

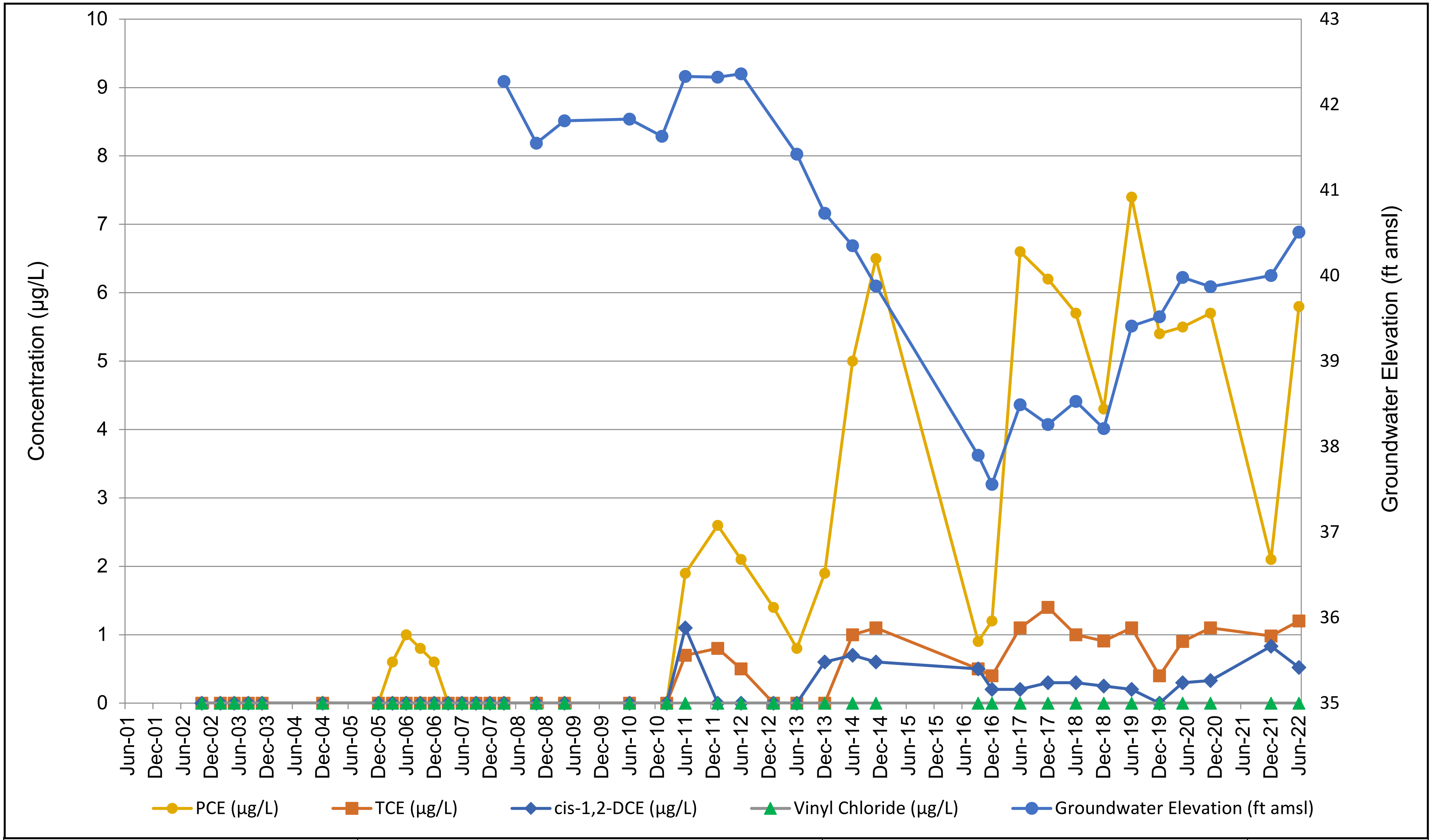
2022 First Semiannual
Groundwater Monitoring Report, Washrack Site
Former United States Disciplinary Barracks
Lompoc, California

Time-Series Plots
WR-MW-01

FIGURE
C-1



Ahtna	2022 First Semiannual Groundwater Monitoring Report, Washrack Site Former United States Disciplinary Barracks Lompoc, California	**Time-Series Plots** **WR-MW-02**	FIGURE **C-2**

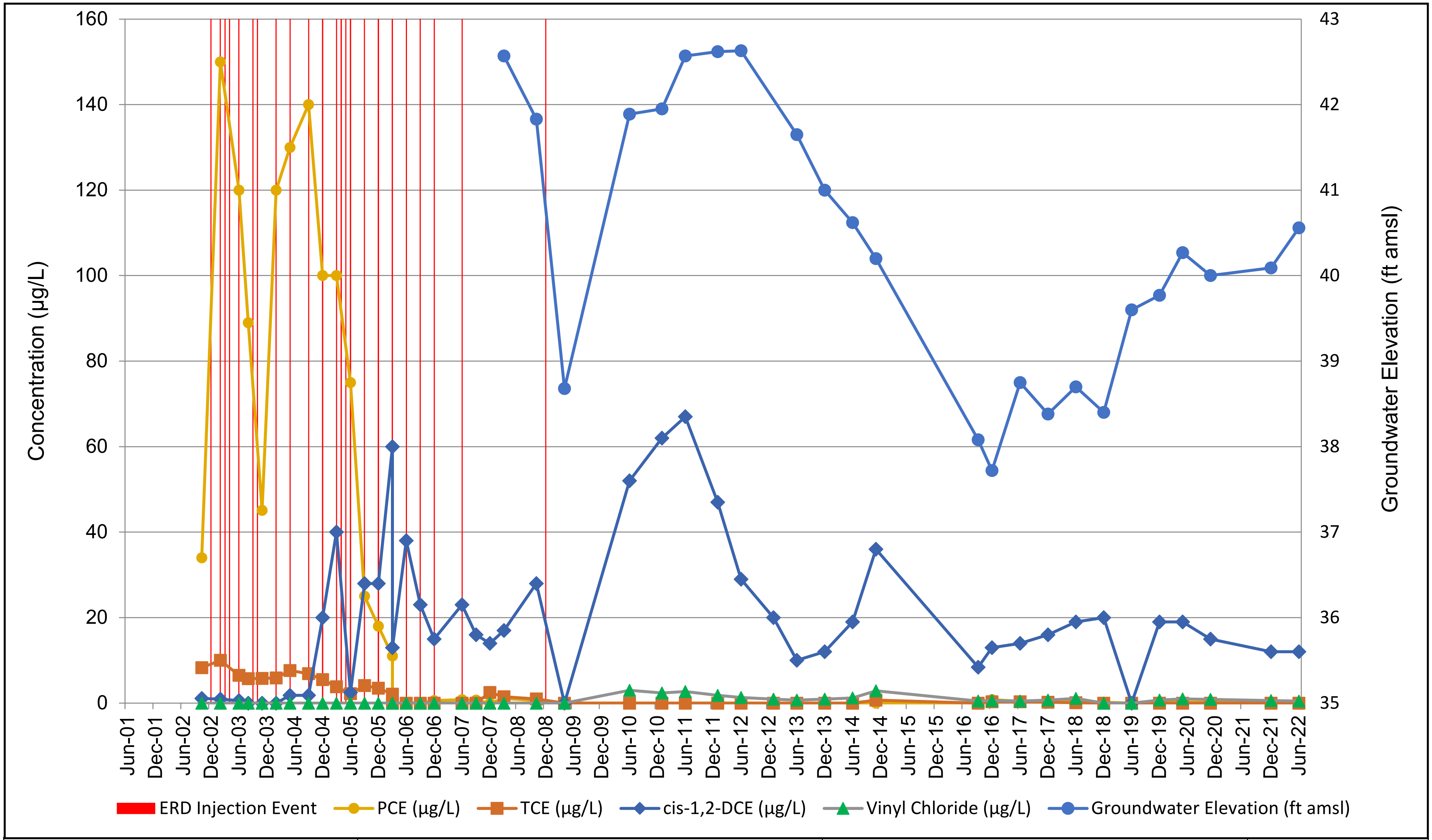


Ahtna

2022 First Semiannual
Groundwater Monitoring Report, Washrack Site
Former United States Disciplinary Barracks
Lompoc, California

Time-Series Plots
WR-MW-04A

FIGURE
C-3

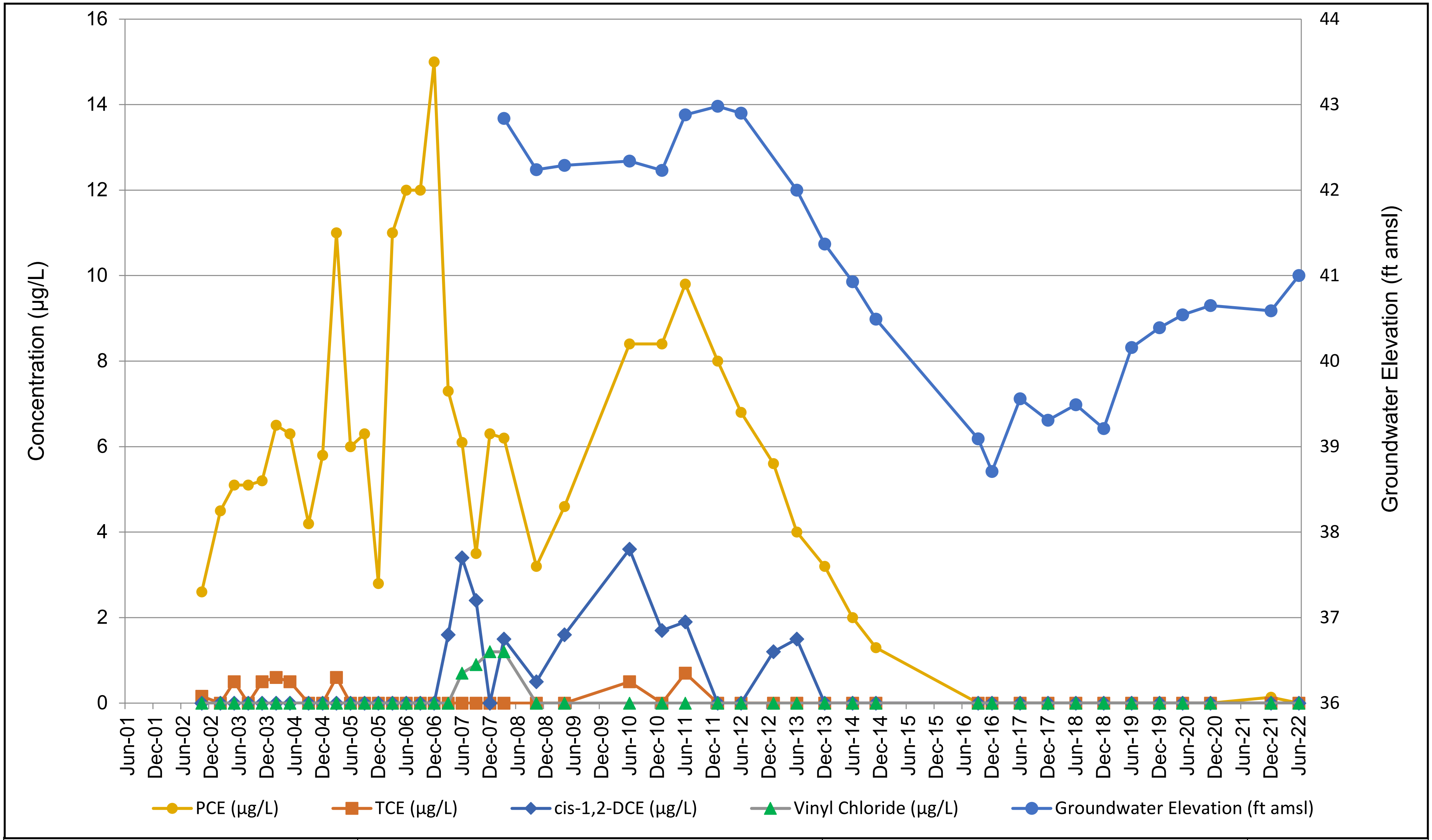


Ahtna

2022 First Semiannual
Groundwater Monitoring Report, Washrack Site
Former United States Disciplinary Barracks
Lompoc, California

Time-Series Plots
WR-MW-05A

FIGURE
C-4

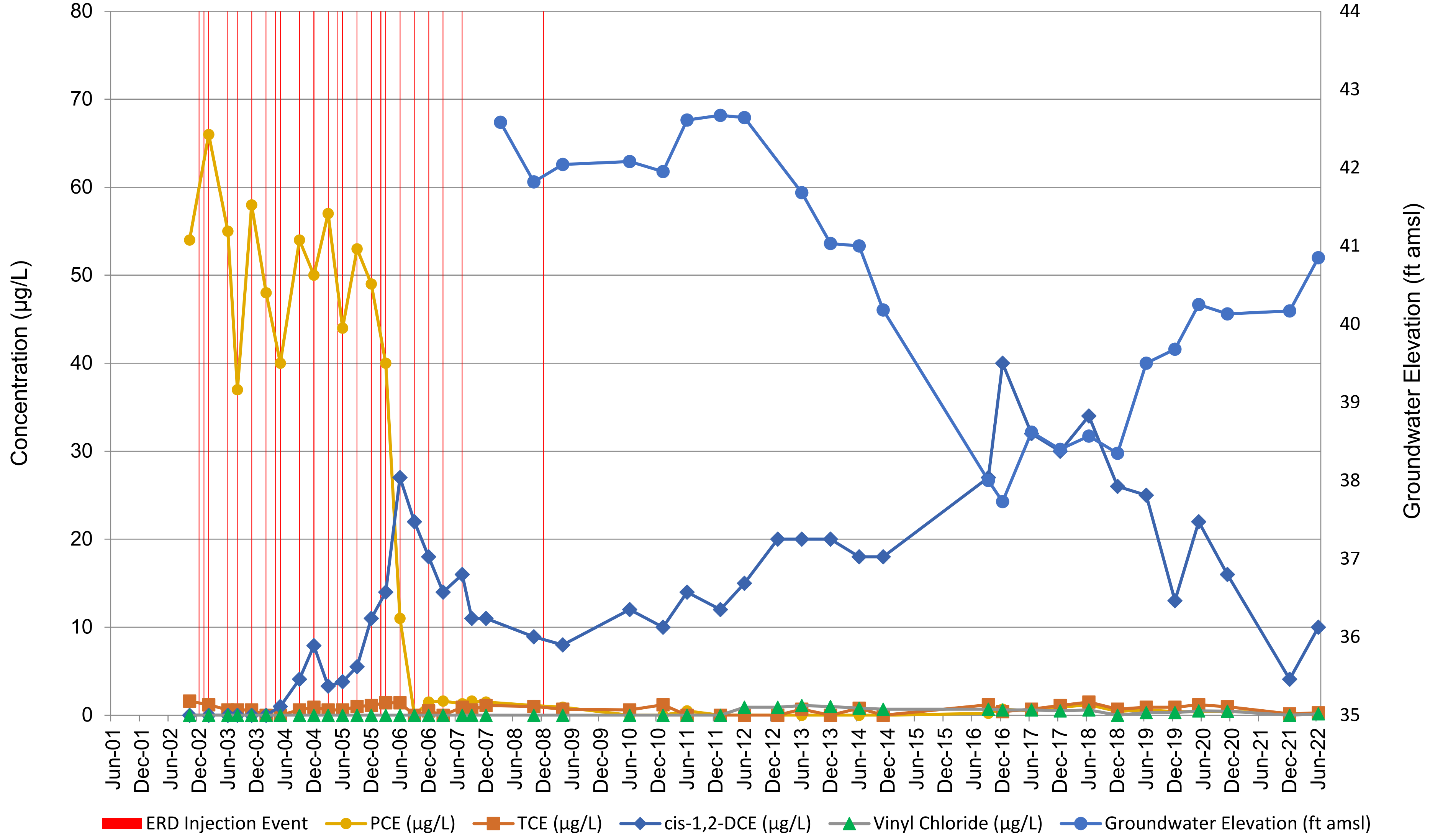


Ahtna

2022 First Semiannual
Groundwater Monitoring Report, Washrack Site
Former United States Disciplinary Barracks
Lompoc, California

Time-Series Plots
WR-MW-08A

FIGURE
C-5

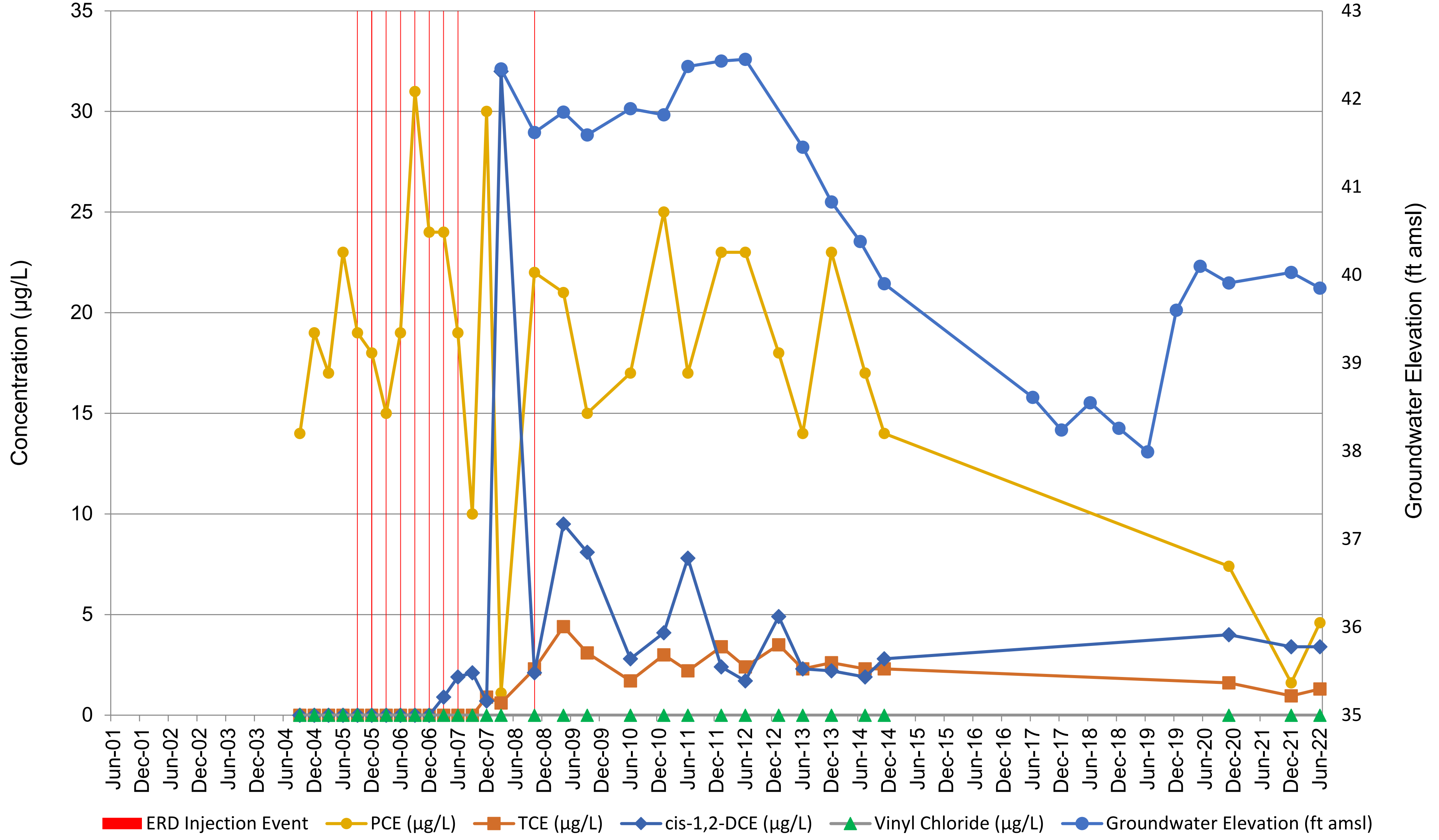


Ahtna

2022 First Semiannual
Groundwater Monitoring Report, Washrack Site
Former United States Disciplinary Barracks
Lompoc, California

Time-Series Plots
WR-MW-09A

FIGURE
C-6

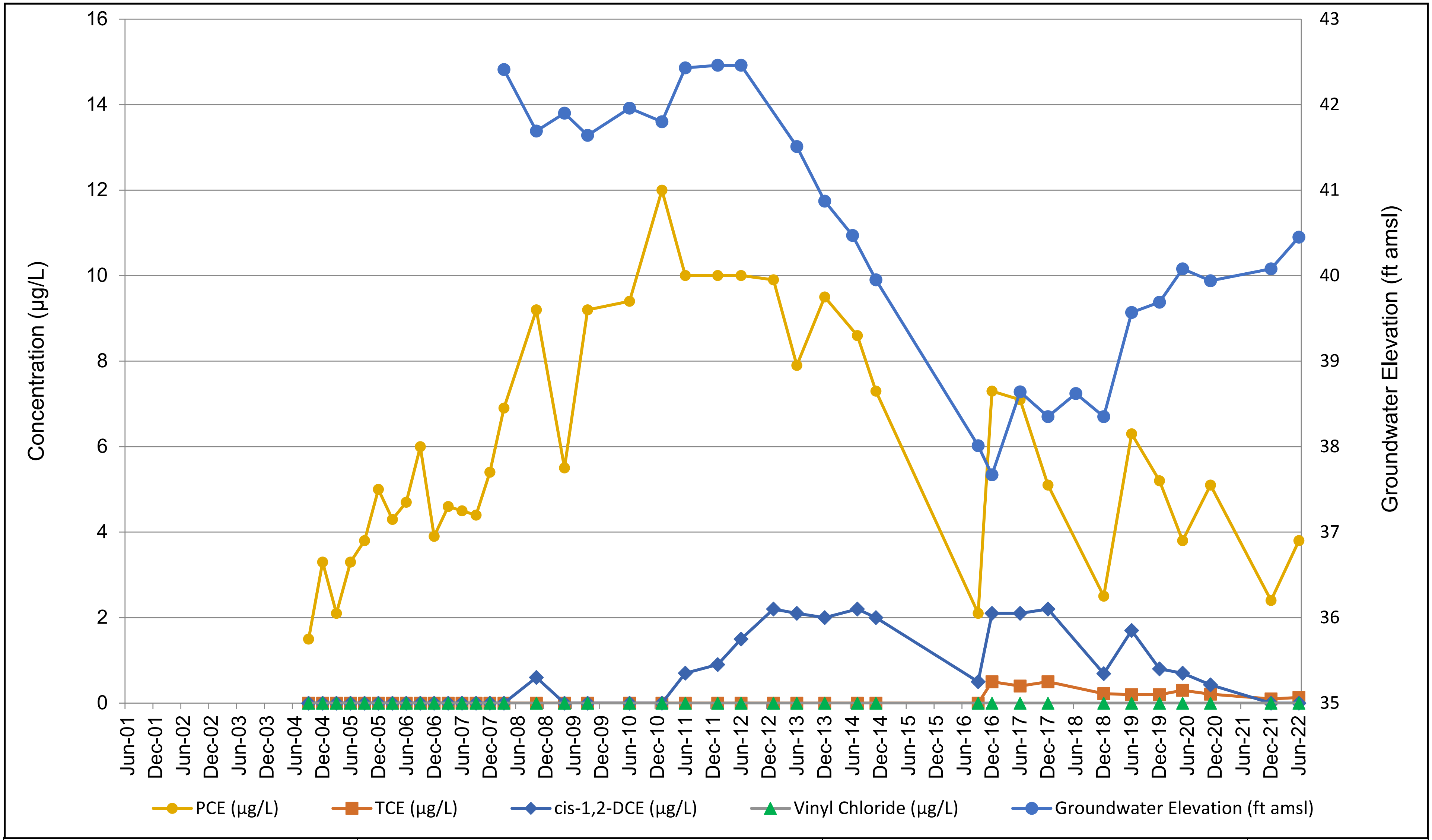


Ahtna

2022 First Semiannual
Groundwater Monitoring Report, Washrack Site
Former United States Disciplinary Barracks
Lompoc, California

Time-Series Plots
WR-MW-10A

FIGURE
C-7

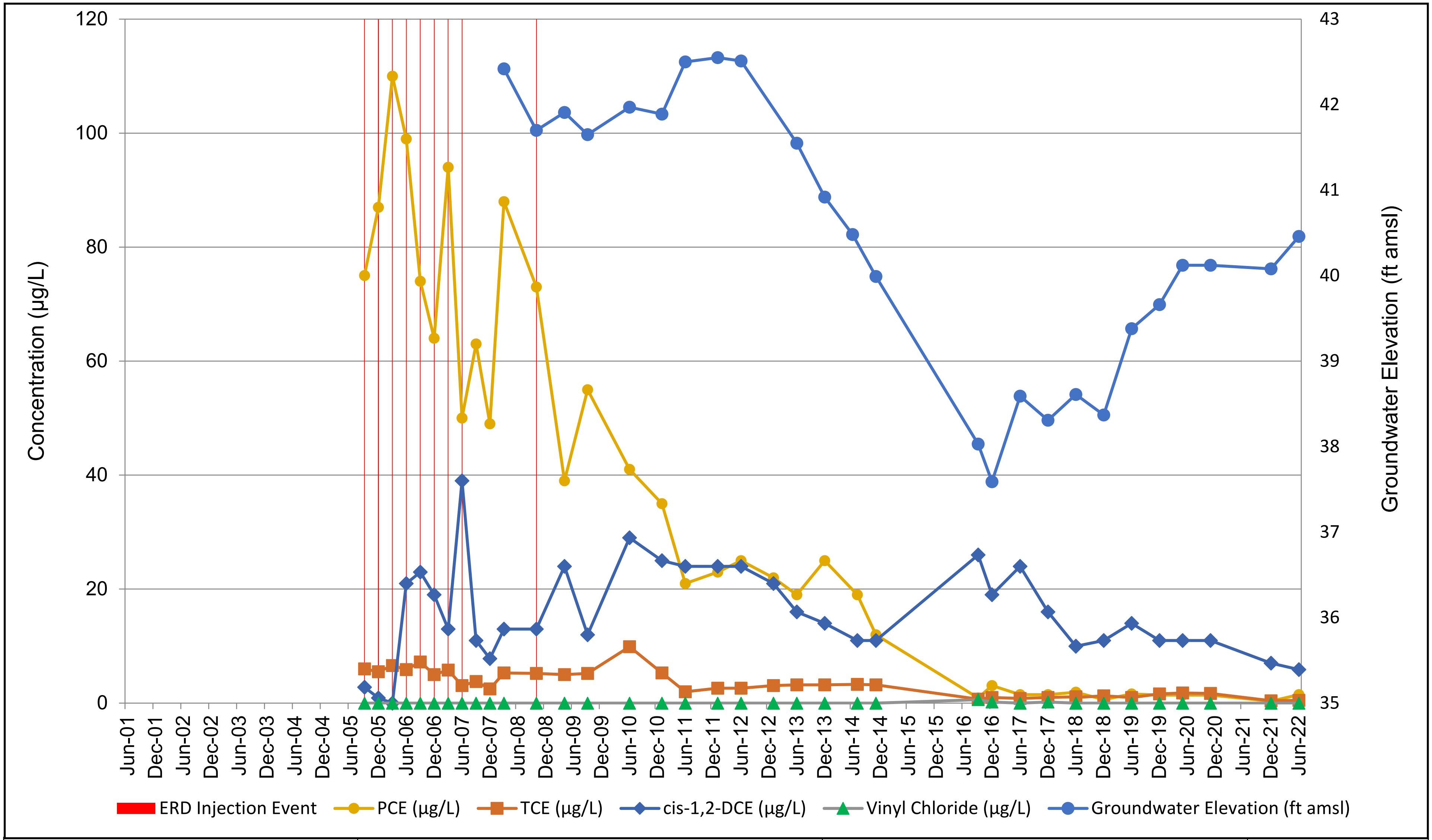


Ahtna

2022 First Semiannual
Groundwater Monitoring Report, Washrack Site
Former United States Disciplinary Barracks
Lompoc, California

Time-Series Plots
WR-MW-11A

FIGURE
C-8



Ahtna

2022 First Semiannual
Groundwater Monitoring Report, Washrack Site
Former United States Disciplinary Barracks
Lompoc, California

Time-Series Plots
WR-MW-12A

FIGURE
C-9

Appendix D. Responses to Regulator Comments

Review Comments

Project	Environmental Long-Term Monitoring and Inspection, Former U.S. Disciplinary Barracks (USDB), Lompoc, California		
Document	2022 First Semiannual Groundwater Monitoring Report, Washrack Site	**Version Reviewed**: Draft	
Contractor	Ahtna Global, LLC		
Contract No.	W912PL18D0044, Delivery Order W912PL21F0041		

Reviewer: Bryan Little Central Coast Water Board		**Date:** 10/25/22	**Date:** 11/14/22
No.	**Reference (page/para.)**	**Review Comment**	**Response**
1.	Section 3.2, Final sentence – ongoing maintenance of monitoring wells	Thank you for tabulating inspection deficiencies, please continue to make progress toward restoring and protecting the monitoring network's assets.	Acknowledged.
2.	Section 5.0, General Conclusion Item 6 – Seasonal Variation	Short-term seasonal variations do appear to be minimal, but Water Board staff note a possible longer-term trend associated with increased concentrations of cis-1,2-DCE during the 2016-2018 drought, in wells MW-09 and MW-12, and PCE in well MW-02. We suggest editing the sentence to indicate short term seasonal (i.e. summer to winter) variations are minimal, but that longer-term variations are possible.	Agreed. The text has been revised as follows: *"Short-term seasonal variations in groundwater levels and COC concentrations are minimal with similar results observed in the second quarter and fourth quarter sampling events. Longer term variations in COC concentrations have been observed at select wells (i.e. WR-MW-02, -09, and -12) and may be influenced by year-over-year changes in water levels at the site."*
3.	Figure 3	The date that the samples were collected should be included on the figure.	Agreed. A note has been added to Figure 3.

Attachments

Attachment 1. Laboratory Report

Work Order Number: 2213551

Laboratory Documentation Requirements For Data Validation of Volatiles Analysis

Prepared By
BC Laboratories

For Ahtna Global, LLC

21044.006.01.000

Certifications: CA ELAP #1186; NV #CA00014; AK UST101; OR ELAP #4032; DoD ELAP #66175

Table of Contents

Sample Information

Volatiles Analysis

EPA-8260C

Table of Contents

Case Narrative

Sample Receipt

Work Order: 2213551
COC Number:
Default Cooler was received at 4.9 °C
Samples were checked for preservation. Where applicable, sample preservation was adjusted in the laboratory.

Requested Analysis

Method	Instrument
EPA-8260C	MS-V5

Sample Qualifier Summary

The Continuing Calibration Verification (CCV) recovery was not within established control limits.

Lab Number	Method	Analyte
2213551-01	EPA-8260C	Bromomethane
2213551-02	EPA-8260C	Bromomethane
2213551-03	EPA-8260C	Bromomethane
2213551-04	EPA-8260C	Bromomethane
2213551-05	EPA-8260C	Bromomethane
2213551-06	EPA-8260C	Bromomethane
2213551-07	EPA-8260C	Bromomethane
2213551-08	EPA-8260C	Bromomethane
2213551-09	EPA-8260C	Bromomethane
2213551-10	EPA-8260C	Bromomethane

Holding Times

All holding time requirements were met.

Method Blanks

There were no detections in the Method Blank(s).

Calibration

The Continuing Calibration Verification (CCV) recovery was not within established control limits.

Lab Number	Method	Analyte
2211065-CCV1	EPA-8260C	Bromomethane

Matrix Spikes

Source Samples Used For QC

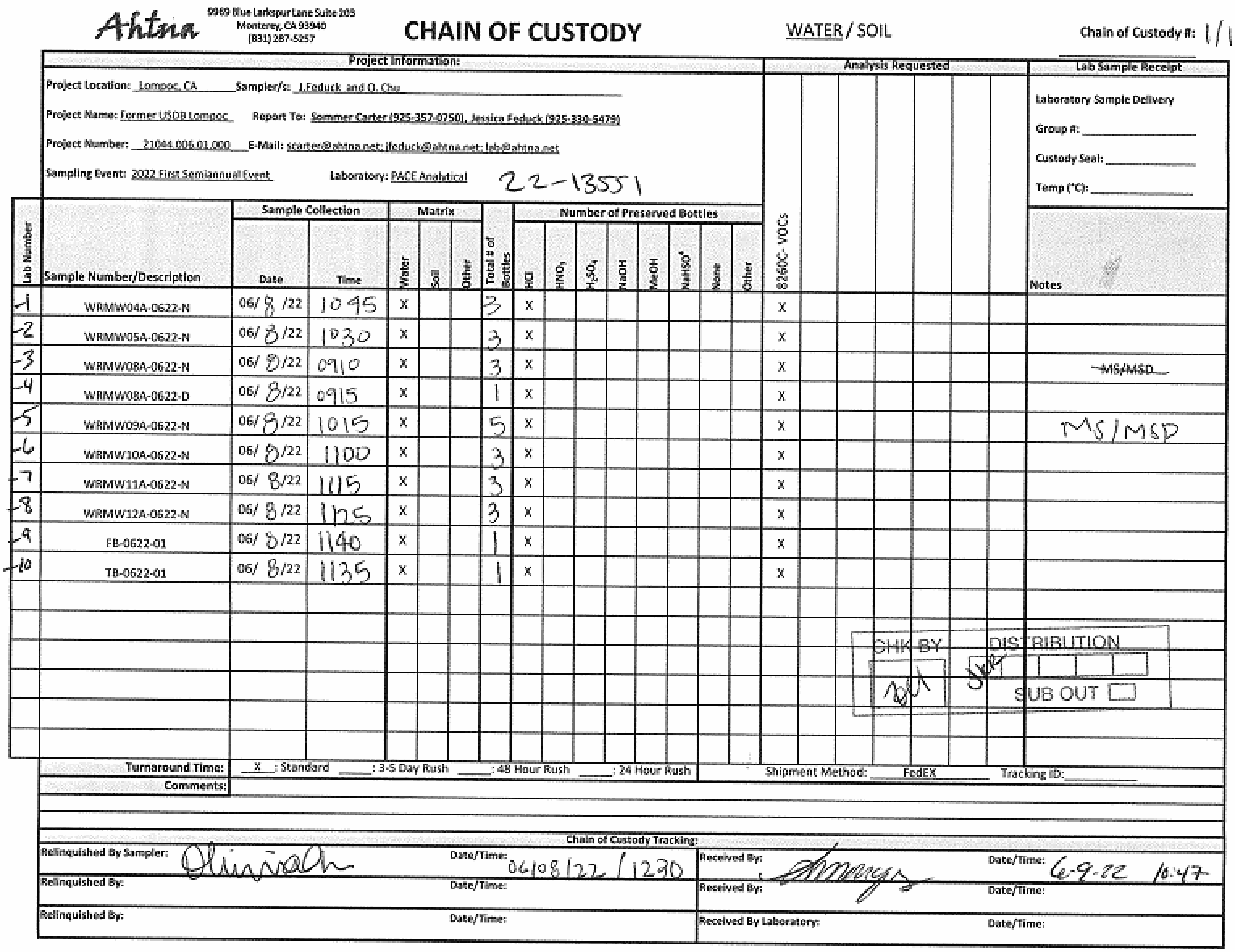
Batch	Method	Source Lab Number	Client Sample Name
B141807	EPA-8260C	2213551-05	WRMW09A-0622-N

Precision and accuracy requirements were within QC limits.

LCS / LCSD

The LCS recoveries were within QC limits.

Chain of Custody and Cooler Receipt Form for 2213551 Page 1 of 2



Ahtna 9969 Blue Larkspur Lane Suite 105
Monterey, CA 93940
(831) 287-5257

CHAIN OF CUSTODY

WATER / SOIL

Chain of Custody #: 1/1

Project Information:

Project Location: Lompoc, CA Sampler/s: J.Feduck and O. Chu

Project Name: Former USDB Lompoc Report To: Sommer Carter (925-357-0750), Jessica Feduck (925-330-5479)

Project Number: 21044.006.01.000 E-Mail: scarter@ahtna.net; jfeduck@ahtna.net; lab@ahtna.net

Sampling Event: 2022 First Semiannual Event Laboratory: PACE Analytical 22-13551

Lab Sample Receipt

Laboratory Sample Delivery

Group #: ______

Custody Seal: ______

Temp (°C): ______

Lab Number	Sample Number/Description	Sample Collection		Matrix			Total # of Bottles	Number of Preserved Bottles								Analysis Requested							Notes
		Date	Time	Water	Soil	Other		HCl	HNO_3	H_2SO_4	NaOH	MeOH	$NaHSO_4$	None	Other	8260C- VOCs							
-1	WRMW04A-0622-N	06/ 8 /22	1095	X			3	X								X							
-2	WRMW05A-0622-N	06/ 8 /22	1030	X			3	X								X							
-3	WRMW08A-0622-N	06/ 8 /22	0910	X			3	X								X							~~MS/MSD~~
-4	WRMW08A-0622-D	06/ 8 /22	0915	X			1	X								X							
-5	WRMW09A-0622-N	06/ 8 /22	1015	X			5	X								X							MS/MSD
-6	WRMW10A-0622-N	06/ 8 /22	1100	X			3	X								X							
-7	WRMW11A-0622-N	06/ 8 /22	1115	X			3	X								X							
-8	WRMW12A-0622-N	06/ 8 /22	1125	X			3	X								X							
-9	FB-0622-01	06/ 8 /22	1140	X			1	X								X							
-10	TB-0622-01	06/ 8 /22	1135	X			1	X								X							

CHK BY DISTRIBUTION
SUB OUT ☐

Turnaround Time: X : Standard ___: 3-5 Day Rush ___: 48 Hour Rush ___: 24 Hour Rush

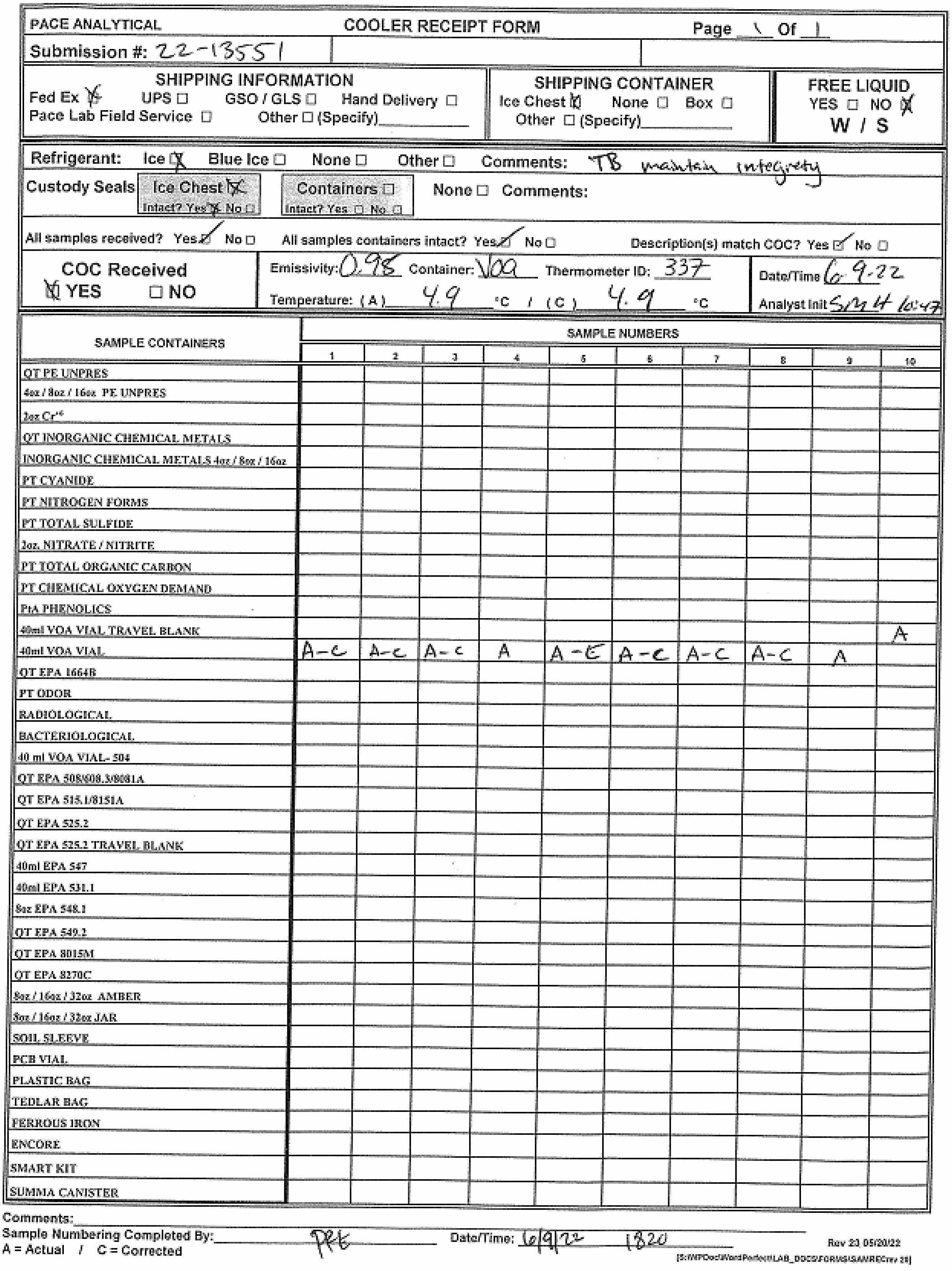
Shipment Method: FedEX Tracking ID: ______

Comments:

Chain of Custody Tracking:

Relinquished By Sampler:	Date/Time: 06/08/22 / 1230	Received By:	Date/Time: 6-9-22 10:47
Relinquished By:	Date/Time:	Received By:	Date/Time:
Relinquished By:	Date/Time:	Received By Laboratory:	Date/Time:

Chain of Custody and Cooler Receipt Form for 2213551 Page 2 of 2



PACE ANALYTICAL COOLER RECEIPT FORM Page 1 Of 1

Submission #: 22-13551

SHIPPING INFORMATION
Fed Ex ☒ UPS ☐ GSO / GLS ☐ Hand Delivery ☐
Pace Lab Field Service ☐ Other ☐ (Specify)

SHIPPING CONTAINER
Ice Chest ☒ None ☐ Box ☐
Other ☐ (Specify)

FREE LIQUID
YES ☐ NO ☒
W / S

Refrigerant: Ice ☒ Blue Ice ☐ None ☐ Other ☐ Comments: TB maintain integrity

Custody Seals: Ice Chest ☒ Intact? Yes ☒ No ☐ | Containers ☐ Intact? Yes ☐ No ☐ | None ☐ Comments:

All samples received? Yes ☑ No ☐ All samples containers intact? Yes ☑ No ☐ Description(s) match COC? Yes ☑ No ☐

COC Received ☒ YES ☐ NO

Emissivity: 0.98 Container: VOA Thermometer ID: 337
Temperature: (A) 4.9 °C / (C) 4.9 °C

Date/Time 6-9-22
Analyst Init SMH 10:47

SAMPLE CONTAINERS	SAMPLE NUMBERS									
	1	2	3	4	5	6	7	8	9	10
QT PE UNPRES										
4oz / 8oz / 16oz PE UNPRES										
2oz Cr+6										
QT INORGANIC CHEMICAL METALS										
INORGANIC CHEMICAL METALS 4oz / 8oz / 16oz										
PT CYANIDE										
PT NITROGEN FORMS										
PT TOTAL SULFIDE										
2oz. NITRATE / NITRITE										
PT TOTAL ORGANIC CARBON										
PT CHEMICAL OXYGEN DEMAND										
PtA PHENOLICS										
40ml VOA VIAL TRAVEL BLANK										A
40ml VOA VIAL	A-C	A-C	A-C	A	A-E	A-C	A-C	A-C	A	
QT EPA 1664B										
PT ODOR										
RADIOLOGICAL										
BACTERIOLOGICAL										
40 ml VOA VIAL- 504										
QT EPA 508/608.3/8081A										
QT EPA 515.1/8151A										
QT EPA 525.2										
QT EPA 525.2 TRAVEL BLANK										
40ml EPA 547										
40ml EPA 531.1										
8oz EPA 548.1										
QT EPA 549.2										
QT EPA 8015M										
QT EPA 8270C										
8oz / 16oz / 32oz AMBER										
8oz / 16oz / 32oz JAR										
SOIL SLEEVE										
PCB VIAL										
PLASTIC BAG										
TEDLAR BAG										
FERROUS IRON										
ENCORE										
SMART KIT										
SUMMA CANISTER										

Comments:
Sample Numbering Completed By: PRE Date/Time: 6/9/22 1820
A = Actual / C = Corrected

Rev 23 05/20/22
[S:\WPDoc\WordPerfect\LAB_DOCS\FORMS\SAMREC rev 28]

BC Laboratories
4100 Atlas Court
Bakersfield, CA 93308
Phone: 661-327-4911

SDG: **2213551**
Class: **VOA**
Method: **EPA-8260C**

Ahtna Global, LLC
110 W. 38th Ave, Suite 200A
Anchorage, ALASKA 99503

Reported: 6/22/2022 9:31:28AM
Project: Former USDB Lompoc
Project Number: 21044.006.01.000
Project Manager: Jessica Feduck

ANALYSES DATA PACKAGE COVER PAGE

EPA-8260C

Laboratory: Pace Analytical - Bakersfield
SDG: 2213551
Client: Ahtna Global, LLC $AHTT
Project: Former USDB Lompoc

Client Sample Id:	Lab Sample Id:
WRMW04A-0622-N	2213551-01
WRMW05A-0622-N	2213551-02
WRMW08A-0622-N	2213551-03
WRMW08A-0622-D	2213551-04
WRMW09A-0622-N	2213551-05
WRMW10A-0622-N	2213551-06
WRMW11A-0622-N	2213551-07
WRMW12A-0622-N	2213551-08
FB-0622-01	2213551-09
TB-0622-01	2213551-10

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hardcopy data package and in computer-readable data submitted on diskette has been authorized by the Laboratory Manager or the Manager's designee, as verified by the following signatures.

Signature:
Name: Stuart Buttram

Date: 06-22-2022
Title: Operations Manager

METHOD DETECTION AND REPORTING LIMITS

EPA-8260C

Laboratory: Pace Analytical - Bakersfield
SDG: 2213551
Client: Ahtna Global, LLC $AHTT
Project: Former USDB Lompoc
Matrix: Water
Instrument: MS-V5

Analyte	DL	LOD	LOQ	Units
Benzene	0.063	0.16	0.50	ug/L
Bromobenzene	0.050	0.30	0.50	ug/L
Bromodichloromethane	0.064	0.30	0.50	ug/L
Bromoform	0.15	0.30	0.60	ug/L
Bromomethane	0.32	0.40	0.60	ug/L
Carbon tetrachloride	0.050	0.20	0.50	ug/L
Chlorobenzene	0.050	0.16	0.50	ug/L
Chloroethane	0.093	0.16	0.50	ug/L
Chloroform	0.050	0.16	0.50	ug/L
Chloromethane	0.075	0.16	0.50	ug/L
Dibromochloromethane	0.083	0.16	0.50	ug/L
Dibromomethane	0.14	0.40	1.0	ug/L
1,2-Dichlorobenzene	0.083	0.16	0.50	ug/L
1,3-Dichlorobenzene	0.057	0.16	0.50	ug/L
1,4-Dichlorobenzene	0.073	0.16	0.50	ug/L
Dichlorodifluoromethane	0.059	0.16	0.50	ug/L
1,1-Dichloroethane	0.050	0.16	0.50	ug/L
1,2-Dichloroethane	0.083	0.20	0.50	ug/L
1,1-Dichloroethene	0.070	0.20	0.50	ug/L
cis-1,2-Dichloroethene	0.085	0.16	0.50	ug/L
trans-1,2-Dichloroethene	0.050	0.16	0.50	ug/L
1,2-Dichloropropane	0.075	0.30	0.50	ug/L
cis-1,3-Dichloropropene	0.075	0.16	0.50	ug/L
trans-1,3-Dichloropropene	0.082	0.16	0.50	ug/L
Ethylbenzene	0.068	0.16	0.50	ug/L
Methylene chloride	0.12	0.50	1.0	ug/L
1,1,1,2-Tetrachloroethane	0.068	0.20	0.50	ug/L
1,1,2,2-Tetrachloroethane	0.23	0.40	0.50	ug/L
Tetrachloroethene	0.077	0.30	0.50	ug/L
Toluene	0.055	0.16	0.50	ug/L

METHOD DETECTION AND REPORTING LIMITS

EPA-8260C

Laboratory: Pace Analytical - Bakersfield

SDG: 2213551

Client: Ahtna Global, LLC $AHTT

Project: Former USDB Lompoc

Matrix: Water

Instrument: MS-V5

Analyte	DL	LOD	LOQ	Units
1,1,1-Trichloroethane	0.051	0.16	0.50	ug/L
1,1,2-Trichloroethane	0.13	0.16	0.50	ug/L
Trichloroethene	0.065	0.16	0.50	ug/L
Trichlorofluoromethane	0.064	0.16	0.50	ug/L
1,1,2-Trichloro-1,2,2-trifluoroethane	0.081	0.16	0.50	ug/L
Vinyl chloride	0.097	0.16	0.50	ug/L
Acetone	3.5	8.0	10	ug/L
p- & m-Xylenes	0.13	0.45	0.50	ug/L
o-Xylene	0.065	0.40	0.50	ug/L

Ahtna Global, LLC
110 W. 38th Ave, Suite 200A
Anchorage, ALASKA 99503

Reported: 6/22/2022 9:31:28AM
Project: Former USDB Lompoc
Project Number: 21044.006.01.000
Project Manager: Jessica Feduck

ORGANIC ANALYSIS DATA SHEET

EPA-8260C

WRMW04A-0622-N

Laboratory: Pace Analytical - Bakersfield
SDG: 2213551
Client: Ahtna Global, LLC $AHTT
Project: Former USDB Lompoc
Matrix: Water
Laboratory ID: 2213551-01
File ID: 14JUN14.D
Sampled: 06/08/22 10:45
Prepared: 06/14/22 06:00
Analyzed: 06/14/22 10:31
Solids:
Preparation: EPA 5030 Water MS
Initial/Final: 25 ml / 25 ml
Batch: B141807
Sequence: 2211065
Calibration: 2206012
Instrument: MS-V5

CAS NO.	COMPOUND	DILUTION	CONC. (ug/L)	DL	LOD	LOQ	Q
71-43-2	Benzene	1	0.16	0.063	0.16	0.50	U
108-86-1	Bromobenzene	1	0.30	0.050	0.30	0.50	U
75-27-4	Bromodichloromethane	1	0.30	0.064	0.30	0.50	U
75-25-2	Bromoform	1	0.30	0.15	0.30	0.60	U
74-83-9	Bromomethane	1	0.40	0.32	0.40	0.60	U
56-23-5	Carbon tetrachloride	1	0.20	0.050	0.20	0.50	U
108-90-7	Chlorobenzene	1	0.16	0.050	0.16	0.50	U
75-00-3	Chloroethane	1	0.16	0.093	0.16	0.50	U
67-66-3	Chloroform	1	0.16	0.050	0.16	0.50	U
74-87-3	Chloromethane	1	0.16	0.075	0.16	0.50	U
124-48-1	Dibromochloromethane	1	0.16	0.083	0.16	0.50	U
74-95-3	Dibromomethane	1	0.40	0.14	0.40	1.0	U
95-50-1	1,2-Dichlorobenzene	1	0.16	0.083	0.16	0.50	U
541-73-1	1,3-Dichlorobenzene	1	0.16	0.057	0.16	0.50	U
106-46-7	1,4-Dichlorobenzene	1	0.16	0.073	0.16	0.50	U
75-71-8	Dichlorodifluoromethane	1	0.16	0.059	0.16	0.50	U
75-34-3	1,1-Dichloroethane	1	0.16	0.050	0.16	0.50	U
107-06-2	1,2-Dichloroethane	1	0.20	0.083	0.20	0.50	U
75-35-4	1,1-Dichloroethene	1	0.20	0.070	0.20	0.50	U
156-59-2	cis-1,2-Dichloroethene	1	0.52	0.085	0.16	0.50	
156-60-5	trans-1,2-Dichloroethene	1	0.16	0.050	0.16	0.50	U
78-87-5	1,2-Dichloropropane	1	0.30	0.075	0.30	0.50	U
10061-01-5	cis-1,3-Dichloropropene	1	0.16	0.075	0.16	0.50	U
10061-02-6	trans-1,3-Dichloropropene	1	0.16	0.082	0.16	0.50	U
100-41-4	Ethylbenzene	1	0.16	0.068	0.16	0.50	U
75-09-2	Methylene chloride	1	0.50	0.12	0.50	1.0	U
630-20-6	1,1,1,2-Tetrachloroethane	1	0.20	0.068	0.20	0.50	U
79-34-5	1,1,2,2-Tetrachloroethane	1	0.40	0.23	0.40	0.50	U
127-18-4	Tetrachloroethene	1	5.8	0.077	0.30	0.50	
108-88-3	Toluene	1	0.16	0.055	0.16	0.50	U
71-55-6	1,1,1-Trichloroethane	1	0.16	0.051	0.16	0.50	U
79-00-5	1,1,2-Trichloroethane	1	0.16	0.13	0.16	0.50	U

Ahtna Global, LLC
110 W. 38th Ave, Suite 200A
Anchorage, ALASKA 99503

Reported: 6/22/2022 9:31:28AM
Project: Former USDB Lompoc
Project Number: 21044.006.01.000
Project Manager: Jessica Feduck

ORGANIC ANALYSIS DATA SHEET
EPA-8260C

WRMW04A-0622-N

Laboratory:	Pace Analytical - Bakersfield			SDG:	2213551		
Client:	Ahtna Global, LLC $AHTT			Project:	Former USDB Lompoc		
Matrix:	Water	Laboratory ID:	2213551-01	File ID:	14JUN14.D		
Sampled:	06/08/22 10:45	Prepared:	06/14/22 06:00	Analyzed:	06/14/22 10:31		
Solids:		Preparation:	EPA 5030 Water MS	Initial/Final:	25 ml / 25 ml		
Batch:	B141807	Sequence:	2211065	Calibration:	2206012	Instrument:	MS-V5

CAS NO.	COMPOUND	DILUTION	CONC. (ug/L)	DL	LOD	LOQ	Q
79-01-6	Trichloroethene	1	1.2	0.065	0.16	0.50	
75-69-4	Trichlorofluoromethane	1	0.16	0.064	0.16	0.50	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	1	0.16	0.081	0.16	0.50	U
75-01-4	Vinyl chloride	1	0.16	0.097	0.16	0.50	U
67-64-1	Acetone	1	8.0	3.5	8.0	10	U
179601-23-1	p- & m-Xylenes	1	0.45	0.13	0.45	0.50	U
95-47-6	o-Xylene	1	0.40	0.065	0.40	0.50	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
1,2-Dichloroethane-d4 (Surrogate)	10.000	9.8400	98.4	81 - 118	
Toluene-d8 (Surrogate)	10.000	10.090	101	89 - 112	
4-Bromofluorobenzene (Surrogate)	10.000	9.7400	97.4	85 - 114	

INTERNAL STANDARD	AREA	RT	REF AREA	REF RT	Q
Pentafluorobenzene (IS)	53530	6.79	38910	6.79	
Chlorobenzene-d5 (IS)	134787	9.75	93847	9.76	
1,4-Difluorobenzene (IS)	106258	7.56	71924	7.56	

* Values outside of QC limits

ORGANIC ANALYSIS DATA SHEET
EPA-8260C

WRMW05A-0622-N

Laboratory: Pace Analytical - Bakersfield
SDG: 2213551
Client: Ahtna Global, LLC $AHTT
Project: Former USDB Lompoc
Matrix: Water
Laboratory ID: 2213551-02
File ID: 14JUN15.D
Sampled: 06/08/22 10:30
Prepared: 06/14/22 06:00
Analyzed: 06/14/22 10:55
Solids:
Preparation: EPA 5030 Water MS
Initial/Final: 25 ml / 25 ml
Batch: B141807
Sequence: 2211065
Calibration: 2206012
Instrument: MS-V5

CAS NO.	COMPOUND	DILUTION	CONC. (ug/L)	DL	LOD	LOQ	Q
71-43-2	Benzene	1	0.16	0.063	0.16	0.50	U
108-86-1	Bromobenzene	1	0.30	0.050	0.30	0.50	U
75-27-4	Bromodichloromethane	1	0.30	0.064	0.30	0.50	U
75-25-2	Bromoform	1	0.30	0.15	0.30	0.60	U
74-83-9	Bromomethane	1	0.40	0.32	0.40	0.60	U
56-23-5	Carbon tetrachloride	1	0.20	0.050	0.20	0.50	U
108-90-7	Chlorobenzene	1	0.16	0.050	0.16	0.50	U
75-00-3	Chloroethane	1	0.16	0.093	0.16	0.50	U
67-66-3	Chloroform	1	0.16	0.050	0.16	0.50	U
74-87-3	Chloromethane	1	0.16	0.075	0.16	0.50	U
124-48-1	Dibromochloromethane	1	0.16	0.083	0.16	0.50	U
74-95-3	Dibromomethane	1	0.40	0.14	0.40	1.0	U
95-50-1	1,2-Dichlorobenzene	1	0.16	0.083	0.16	0.50	U
541-73-1	1,3-Dichlorobenzene	1	0.16	0.057	0.16	0.50	U
106-46-7	1,4-Dichlorobenzene	1	0.16	0.073	0.16	0.50	U
75-71-8	Dichlorodifluoromethane	1	0.16	0.059	0.16	0.50	U
75-34-3	1,1-Dichloroethane	1	0.16	0.050	0.16	0.50	U
107-06-2	1,2-Dichloroethane	1	0.20	0.083	0.20	0.50	U
75-35-4	1,1-Dichloroethene	1	0.20	0.070	0.20	0.50	U
156-59-2	cis-1,2-Dichloroethene	1	12	0.085	0.16	0.50	
156-60-5	trans-1,2-Dichloroethene	1	0.20	0.050	0.16	0.50	J
78-87-5	1,2-Dichloropropane	1	0.30	0.075	0.30	0.50	U
10061-01-5	cis-1,3-Dichloropropene	1	0.16	0.075	0.16	0.50	U
10061-02-6	trans-1,3-Dichloropropene	1	0.16	0.082	0.16	0.50	U
100-41-4	Ethylbenzene	1	0.16	0.068	0.16	0.50	U
75-09-2	Methylene chloride	1	0.50	0.12	0.50	1.0	U
630-20-6	1,1,1,2-Tetrachloroethane	1	0.20	0.068	0.20	0.50	U
79-34-5	1,1,2,2-Tetrachloroethane	1	0.40	0.23	0.40	0.50	U
127-18-4	Tetrachloroethene	1	0.13	0.077	0.30	0.50	J
108-88-3	Toluene	1	0.16	0.055	0.16	0.50	U
71-55-6	1,1,1-Trichloroethane	1	0.16	0.051	0.16	0.50	U
79-00-5	1,1,2-Trichloroethane	1	0.16	0.13	0.16	0.50	U

Ahtna Global, LLC
110 W. 38th Ave, Suite 200A
Anchorage, ALASKA 99503

Reported: 6/22/2022 9:31:28AM
Project: Former USDB Lompoc
Project Number: 21044.006.01.000
Project Manager: Jessica Feduck

ORGANIC ANALYSIS DATA SHEET
EPA-8260C

WRMW05A-0622-N

Laboratory: Pace Analytical - Bakersfield
SDG: 2213551
Client: Ahtna Global, LLC $AHTT
Project: Former USDB Lompoc
Matrix: Water
Laboratory ID: 2213551-02
File ID: 14JUN15.D
Sampled: 06/08/22 10:30
Prepared: 06/14/22 06:00
Analyzed: 06/14/22 10:55
Solids:
Preparation: EPA 5030 Water MS
Initial/Final: 25 ml / 25 ml
Batch: B141807
Sequence: 2211065
Calibration: 2206012
Instrument: MS-V5

CAS NO.	COMPOUND	DILUTION	CONC. (ug/L)	DL	LOD	LOQ	Q
79-01-6	Trichloroethene	1	0.16	0.065	0.16	0.50	U
75-69-4	Trichlorofluoromethane	1	0.16	0.064	0.16	0.50	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	1	0.16	0.081	0.16	0.50	U
75-01-4	Vinyl chloride	1	0.49	0.097	0.16	0.50	J
67-64-1	Acetone	1	8.0	3.5	8.0	10	U
179601-23-1	p- & m-Xylenes	1	0.45	0.13	0.45	0.50	U
95-47-6	o-Xylene	1	0.40	0.065	0.40	0.50	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
1,2-Dichloroethane-d4 (Surrogate)	10.000	9.7700	97.7	81 - 118	
Toluene-d8 (Surrogate)	10.000	10.390	104	89 - 112	
4-Bromofluorobenzene (Surrogate)	10.000	9.8300	98.3	85 - 114	

INTERNAL STANDARD	AREA	RT	REF AREA	REF RT	Q
Pentafluorobenzene (IS)	51542	6.79	38910	6.79	
Chlorobenzene-d5 (IS)	128687	9.76	93847	9.76	
1,4-Difluorobenzene (IS)	97720	7.56	71924	7.56	

* Values outside of QC limits

Ahtna Global, LLC
110 W. 38th Ave, Suite 200A
Anchorage, ALASKA 99503

Reported: 6/22/2022 9:31:28AM
Project: Former USDB Lompoc
Project Number: 21044.006.01.000
Project Manager: Jessica Feduck

ORGANIC ANALYSIS DATA SHEET
EPA-8260C

WRMW08A-0622-N

Laboratory: Pace Analytical - Bakersfield
SDG: 2213551
Client: Ahtna Global, LLC $AHTT
Project: Former USDB Lompoc
Matrix: Water
Laboratory ID: 2213551-03
File ID: 14JUN16.D
Sampled: 06/08/22 09:10
Prepared: 06/14/22 06:00
Analyzed: 06/14/22 11:20
Solids:
Preparation: EPA 5030 Water MS
Initial/Final: 25 ml / 25 ml
Batch: B141807
Sequence: 2211065
Calibration: 2206012
Instrument: MS-V5

CAS NO.	COMPOUND	DILUTION	CONC. (ug/L)	DL	LOD	LOQ	Q
71-43-2	Benzene	1	0.16	0.063	0.16	0.50	U
108-86-1	Bromobenzene	1	0.30	0.050	0.30	0.50	U
75-27-4	Bromodichloromethane	1	0.30	0.064	0.30	0.50	U
75-25-2	Bromoform	1	0.30	0.15	0.30	0.60	U
74-83-9	Bromomethane	1	0.40	0.32	0.40	0.60	U
56-23-5	Carbon tetrachloride	1	0.20	0.050	0.20	0.50	U
108-90-7	Chlorobenzene	1	0.16	0.050	0.16	0.50	U
75-00-3	Chloroethane	1	0.16	0.093	0.16	0.50	U
67-66-3	Chloroform	1	0.16	0.050	0.16	0.50	U
74-87-3	Chloromethane	1	0.16	0.075	0.16	0.50	U
124-48-1	Dibromochloromethane	1	0.16	0.083	0.16	0.50	U
74-95-3	Dibromomethane	1	0.40	0.14	0.40	1.0	U
95-50-1	1,2-Dichlorobenzene	1	0.16	0.083	0.16	0.50	U
541-73-1	1,3-Dichlorobenzene	1	0.16	0.057	0.16	0.50	U
106-46-7	1,4-Dichlorobenzene	1	0.16	0.073	0.16	0.50	U
75-71-8	Dichlorodifluoromethane	1	0.16	0.059	0.16	0.50	U
75-34-3	1,1-Dichloroethane	1	0.16	0.050	0.16	0.50	U
107-06-2	1,2-Dichloroethane	1	0.20	0.083	0.20	0.50	U
75-35-4	1,1-Dichloroethene	1	0.20	0.070	0.20	0.50	U
156-59-2	cis-1,2-Dichloroethene	1	0.16	0.085	0.16	0.50	U
156-60-5	trans-1,2-Dichloroethene	1	0.16	0.050	0.16	0.50	U
78-87-5	1,2-Dichloropropane	1	0.30	0.075	0.30	0.50	U
10061-01-5	cis-1,3-Dichloropropene	1	0.16	0.075	0.16	0.50	U
10061-02-6	trans-1,3-Dichloropropene	1	0.16	0.082	0.16	0.50	U
100-41-4	Ethylbenzene	1	0.16	0.068	0.16	0.50	U
75-09-2	Methylene chloride	1	0.50	0.12	0.50	1.0	U
630-20-6	1,1,1,2-Tetrachloroethane	1	0.20	0.068	0.20	0.50	U
79-34-5	1,1,2,2-Tetrachloroethane	1	0.40	0.23	0.40	0.50	U
127-18-4	Tetrachloroethene	1	0.30	0.077	0.30	0.50	U
108-88-3	Toluene	1	0.16	0.055	0.16	0.50	U
71-55-6	1,1,1-Trichloroethane	1	0.16	0.051	0.16	0.50	U
79-00-5	1,1,2-Trichloroethane	1	0.16	0.13	0.16	0.50	U

Ahtna Global, LLC
110 W. 38th Ave, Suite 200A
Anchorage, ALASKA 99503

Reported: 6/22/2022 9:31:28AM
Project: Former USDB Lompoc
Project Number: 21044.006.01.000
Project Manager: Jessica Feduck

ORGANIC ANALYSIS DATA SHEET
EPA-8260C

WRMW08A-0622-N

Laboratory: Pace Analytical - Bakersfield
SDG: 2213551
Client: Ahtna Global, LLC $AHTT
Project: Former USDB Lompoc
Matrix: Water
Laboratory ID: 2213551-03
File ID: 14JUN16.D
Sampled: 06/08/22 09:10
Prepared: 06/14/22 06:00
Analyzed: 06/14/22 11:20
Solids:
Preparation: EPA 5030 Water MS
Initial/Final: 25 ml / 25 ml
Batch: B141807
Sequence: 2211065
Calibration: 2206012
Instrument: MS-V5

CAS NO.	COMPOUND	DILUTION	CONC. (ug/L)	DL	LOD	LOQ	Q
79-01-6	Trichloroethene	1	0.16	0.065	0.16	0.50	U
75-69-4	Trichlorofluoromethane	1	0.16	0.064	0.16	0.50	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	1	0.16	0.081	0.16	0.50	U
75-01-4	Vinyl chloride	1	0.16	0.097	0.16	0.50	U
67-64-1	Acetone	1	8.0	3.5	8.0	10	U
179601-23-1	p- & m-Xylenes	1	0.45	0.13	0.45	0.50	U
95-47-6	o-Xylene	1	0.40	0.065	0.40	0.50	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
1,2-Dichloroethane-d4 (Surrogate)	10.000	9.5500	95.5	81 - 118	
Toluene-d8 (Surrogate)	10.000	10.080	101	89 - 112	
4-Bromofluorobenzene (Surrogate)	10.000	9.3400	93.4	85 - 114	

INTERNAL STANDARD	AREA	RT	REF AREA	REF RT	Q
Pentafluorobenzene (IS)	54266	6.79	38910	6.79	
Chlorobenzene-d5 (IS)	140953	9.76	93847	9.76	
1,4-Difluorobenzene (IS)	108825	7.56	71924	7.56	

* Values outside of QC limits

ORGANIC ANALYSIS DATA SHEET
EPA-8260C

WRMW08A-0622-D

Laboratory: Pace Analytical - Bakersfield
SDG: 2213551
Client: Ahtna Global, LLC $AHTT
Project: Former USDB Lompoc
Matrix: Water
Laboratory ID: 2213551-04
File ID: 14JUN17.D
Sampled: 06/08/22 09:15
Prepared: 06/14/22 06:00
Analyzed: 06/14/22 11:45
Solids:
Preparation: EPA 5030 Water MS
Initial/Final: 25 ml / 25 ml
Batch: B141807
Sequence: 2211065
Calibration: 2206012
Instrument: MS-V5

CAS NO.	COMPOUND	DILUTION	CONC. (ug/L)	DL	LOD	LOQ	Q
71-43-2	Benzene	1	0.16	0.063	0.16	0.50	U
108-86-1	Bromobenzene	1	0.30	0.050	0.30	0.50	U
75-27-4	Bromodichloromethane	1	0.30	0.064	0.30	0.50	U
75-25-2	Bromoform	1	0.30	0.15	0.30	0.60	U
74-83-9	Bromomethane	1	0.40	0.32	0.40	0.60	U
56-23-5	Carbon tetrachloride	1	0.20	0.050	0.20	0.50	U
108-90-7	Chlorobenzene	1	0.16	0.050	0.16	0.50	U
75-00-3	Chloroethane	1	0.16	0.093	0.16	0.50	U
67-66-3	Chloroform	1	0.16	0.050	0.16	0.50	U
74-87-3	Chloromethane	1	0.16	0.075	0.16	0.50	U
124-48-1	Dibromochloromethane	1	0.16	0.083	0.16	0.50	U
74-95-3	Dibromomethane	1	0.40	0.14	0.40	1.0	U
95-50-1	1,2-Dichlorobenzene	1	0.16	0.083	0.16	0.50	U
541-73-1	1,3-Dichlorobenzene	1	0.16	0.057	0.16	0.50	U
106-46-7	1,4-Dichlorobenzene	1	0.16	0.073	0.16	0.50	U
75-71-8	Dichlorodifluoromethane	1	0.16	0.059	0.16	0.50	U
75-34-3	1,1-Dichloroethane	1	0.16	0.050	0.16	0.50	U
107-06-2	1,2-Dichloroethane	1	0.20	0.083	0.20	0.50	U
75-35-4	1,1-Dichloroethene	1	0.20	0.070	0.20	0.50	U
156-59-2	cis-1,2-Dichloroethene	1	0.16	0.085	0.16	0.50	U
156-60-5	trans-1,2-Dichloroethene	1	0.16	0.050	0.16	0.50	U
78-87-5	1,2-Dichloropropane	1	0.30	0.075	0.30	0.50	U
10061-01-5	cis-1,3-Dichloropropene	1	0.16	0.075	0.16	0.50	U
10061-02-6	trans-1,3-Dichloropropene	1	0.16	0.082	0.16	0.50	U
100-41-4	Ethylbenzene	1	0.16	0.068	0.16	0.50	U
75-09-2	Methylene chloride	1	0.50	0.12	0.50	1.0	U
630-20-6	1,1,1,2-Tetrachloroethane	1	0.20	0.068	0.20	0.50	U
79-34-5	1,1,2,2-Tetrachloroethane	1	0.40	0.23	0.40	0.50	U
127-18-4	Tetrachloroethene	1	0.30	0.077	0.30	0.50	U
108-88-3	Toluene	1	0.16	0.055	0.16	0.50	U
71-55-6	1,1,1-Trichloroethane	1	0.16	0.051	0.16	0.50	U
79-00-5	1,1,2-Trichloroethane	1	0.16	0.13	0.16	0.50	U

ORGANIC ANALYSIS DATA SHEET
EPA-8260C

WRMW08A-0622-D

Laboratory: Pace Analytical - Bakersfield
SDG: 2213551
Client: Ahtna Global, LLC $AHTT
Project: Former USDB Lompoc
Matrix: Water
Laboratory ID: 2213551-04
File ID: 14JUN17.D
Sampled: 06/08/22 09:15
Prepared: 06/14/22 06:00
Analyzed: 06/14/22 11:45
Solids:
Preparation: EPA 5030 Water MS
Initial/Final: 25 ml / 25 ml
Batch: B141807
Sequence: 2211065
Calibration: 2206012
Instrument: MS-V5

CAS NO.	COMPOUND	DILUTION	CONC. (ug/L)	DL	LOD	LOQ	Q
79-01-6	Trichloroethene	1	0.16	0.065	0.16	0.50	U
75-69-4	Trichlorofluoromethane	1	0.16	0.064	0.16	0.50	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	1	0.16	0.081	0.16	0.50	U
75-01-4	Vinyl chloride	1	0.16	0.097	0.16	0.50	U
67-64-1	Acetone	1	8.0	3.5	8.0	10	U
179601-23-1	p- & m-Xylenes	1	0.45	0.13	0.45	0.50	U
95-47-6	o-Xylene	1	0.40	0.065	0.40	0.50	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
1,2-Dichloroethane-d4 (Surrogate)	10.000	9.8700	98.7	81 - 118	
Toluene-d8 (Surrogate)	10.000	10.100	101	89 - 112	
4-Bromofluorobenzene (Surrogate)	10.000	9.4900	94.9	85 - 114	

INTERNAL STANDARD	AREA	RT	REF AREA	REF RT	Q
Pentafluorobenzene (IS)	53273	6.79	38910	6.79	
Chlorobenzene-d5 (IS)	135738	9.76	93847	9.76	
1,4-Difluorobenzene (IS)	107693	7.55	71924	7.56	

* Values outside of QC limits

Ahtna Global, LLC
110 W. 38th Ave, Suite 200A
Anchorage, ALASKA 99503

Reported: 6/22/2022 9:31:28AM
Project: Former USDB Lompoc
Project Number: 21044.006.01.000
Project Manager: Jessica Feduck

ORGANIC ANALYSIS DATA SHEET
EPA-8260C

WRMW09A-0622-N

Laboratory: Pace Analytical - Bakersfield
SDG: 2213551
Client: Ahtna Global, LLC $AHTT
Project: Former USDB Lompoc
Matrix: Water
Laboratory ID: 2213551-05
File ID: 14JUN06.D
Sampled: 06/08/22 10:15
Prepared: 06/14/22 06:00
Analyzed: 06/14/22 07:16
Solids:
Preparation: EPA 5030 Water MS
Initial/Final: 25 ml / 25 ml
Batch: B141807
Sequence: 2211065
Calibration: 2206012
Instrument: MS-V5

CAS NO.	COMPOUND	DILUTION	CONC. (ug/L)	DL	LOD	LOQ	Q
71-43-2	Benzene	1	0.16	0.063	0.16	0.50	U
108-86-1	Bromobenzene	1	0.30	0.050	0.30	0.50	U
75-27-4	Bromodichloromethane	1	0.30	0.064	0.30	0.50	U
75-25-2	Bromoform	1	0.30	0.15	0.30	0.60	U
74-83-9	Bromomethane	1	0.40	0.32	0.40	0.60	U
56-23-5	Carbon tetrachloride	1	0.20	0.050	0.20	0.50	U
108-90-7	Chlorobenzene	1	0.16	0.050	0.16	0.50	U
75-00-3	Chloroethane	1	0.16	0.093	0.16	0.50	U
67-66-3	Chloroform	1	0.16	0.050	0.16	0.50	U
74-87-3	Chloromethane	1	0.16	0.075	0.16	0.50	U
124-48-1	Dibromochloromethane	1	0.16	0.083	0.16	0.50	U
74-95-3	Dibromomethane	1	0.40	0.14	0.40	1.0	U
95-50-1	1,2-Dichlorobenzene	1	0.16	0.083	0.16	0.50	U
541-73-1	1,3-Dichlorobenzene	1	0.16	0.057	0.16	0.50	U
106-46-7	1,4-Dichlorobenzene	1	0.16	0.073	0.16	0.50	U
75-71-8	Dichlorodifluoromethane	1	0.16	0.059	0.16	0.50	U
75-34-3	1,1-Dichloroethane	1	0.16	0.050	0.16	0.50	U
107-06-2	1,2-Dichloroethane	1	0.20	0.083	0.20	0.50	U
75-35-4	1,1-Dichloroethene	1	0.20	0.070	0.20	0.50	U
156-59-2	cis-1,2-Dichloroethene	1	10	0.085	0.16	0.50	
156-60-5	trans-1,2-Dichloroethene	1	0.070	0.050	0.16	0.50	J
78-87-5	1,2-Dichloropropane	1	0.30	0.075	0.30	0.50	U
10061-01-5	cis-1,3-Dichloropropene	1	0.16	0.075	0.16	0.50	U
10061-02-6	trans-1,3-Dichloropropene	1	0.16	0.082	0.16	0.50	U
100-41-4	Ethylbenzene	1	0.16	0.068	0.16	0.50	U
75-09-2	Methylene chloride	1	0.50	0.12	0.50	1.0	U
630-20-6	1,1,1,2-Tetrachloroethane	1	0.20	0.068	0.20	0.50	U
79-34-5	1,1,2,2-Tetrachloroethane	1	0.40	0.23	0.40	0.50	U
127-18-4	Tetrachloroethene	1	0.25	0.077	0.30	0.50	J
108-88-3	Toluene	1	0.16	0.055	0.16	0.50	U
71-55-6	1,1,1-Trichloroethane	1	0.16	0.051	0.16	0.50	U
79-00-5	1,1,2-Trichloroethane	1	0.16	0.13	0.16	0.50	U

ORGANIC ANALYSIS DATA SHEET

EPA-8260C

WRMW09A-0622-N

Laboratory: Pace Analytical - Bakersfield
SDG: 2213551
Client: Ahtna Global, LLC $AHTT
Project: Former USDB Lompoc
Matrix: Water
Laboratory ID: 2213551-05
File ID: 14JUN06.D
Sampled: 06/08/22 10:15
Prepared: 06/14/22 06:00
Analyzed: 06/14/22 07:16
Solids:
Preparation: EPA 5030 Water MS
Initial/Final: 25 ml / 25 ml
Batch: B141807
Sequence: 2211065
Calibration: 2206012
Instrument: MS-V5

CAS NO.	COMPOUND	DILUTION	CONC. (ug/L)	DL	LOD	LOQ	Q
79-01-6	Trichloroethene	1	0.28	0.065	0.16	0.50	J
75-69-4	Trichlorofluoromethane	1	0.16	0.064	0.16	0.50	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	1	0.16	0.081	0.16	0.50	U
75-01-4	Vinyl chloride	1	0.17	0.097	0.16	0.50	J
67-64-1	Acetone	1	8.0	3.5	8.0	10	U
179601-23-1	p- & m-Xylenes	1	0.45	0.13	0.45	0.50	U
95-47-6	o-Xylene	1	0.40	0.065	0.40	0.50	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
1,2-Dichloroethane-d4 (Surrogate)	10.000	9.4600	94.6	81 - 118	
Toluene-d8 (Surrogate)	10.000	10.170	102	89 - 112	
4-Bromofluorobenzene (Surrogate)	10.000	9.4900	94.9	85 - 114	

INTERNAL STANDARD	AREA	RT	REF AREA	REF RT	Q
Pentafluorobenzene (IS)	48284	6.8	38910	6.79	
Chlorobenzene-d5 (IS)	124353	9.76	93847	9.76	
1,4-Difluorobenzene (IS)	98644	7.56	71924	7.56	

* Values outside of QC limits

Ahtna Global, LLC
110 W. 38th Ave, Suite 200A
Anchorage, ALASKA 99503

Reported: 6/22/2022 9:31:28AM
Project: Former USDB Lompoc
Project Number: 21044.006.01.000
Project Manager: Jessica Feduck

ORGANIC ANALYSIS DATA SHEET
EPA-8260C

WRMW10A-0622-N

Laboratory:	Pace Analytical - Bakersfield			SDG:	2213551		
Client:	Ahtna Global, LLC $AHTT			Project:	Former USDB Lompoc		
Matrix:	Water	Laboratory ID:	2213551-06		File ID:	14JUN18.D	
Sampled:	06/08/22 11:00	Prepared:	06/14/22 06:00		Analyzed:	06/14/22 12:09	
Solids:		Preparation:	EPA 5030 Water MS		Initial/Final:	25 ml / 25 ml	
Batch:	B141807	Sequence:	2211065	Calibration:	2206012	Instrument:	MS-V5

CAS NO.	COMPOUND	DILUTION	CONC. (ug/L)	DL	LOD	LOQ	Q
71-43-2	Benzene	1	0.16	0.063	0.16	0.50	U
108-86-1	Bromobenzene	1	0.30	0.050	0.30	0.50	U
75-27-4	Bromodichloromethane	1	0.30	0.064	0.30	0.50	U
75-25-2	Bromoform	1	0.30	0.15	0.30	0.60	U
74-83-9	Bromomethane	1	0.40	0.32	0.40	0.60	U
56-23-5	Carbon tetrachloride	1	0.20	0.050	0.20	0.50	U
108-90-7	Chlorobenzene	1	0.16	0.050	0.16	0.50	U
75-00-3	Chloroethane	1	0.16	0.093	0.16	0.50	U
67-66-3	Chloroform	1	0.16	0.050	0.16	0.50	U
74-87-3	Chloromethane	1	0.16	0.075	0.16	0.50	U
124-48-1	Dibromochloromethane	1	0.16	0.083	0.16	0.50	U
74-95-3	Dibromomethane	1	0.40	0.14	0.40	1.0	U
95-50-1	1,2-Dichlorobenzene	1	0.16	0.083	0.16	0.50	U
541-73-1	1,3-Dichlorobenzene	1	0.16	0.057	0.16	0.50	U
106-46-7	1,4-Dichlorobenzene	1	0.16	0.073	0.16	0.50	U
75-71-8	Dichlorodifluoromethane	1	0.16	0.059	0.16	0.50	U
75-34-3	1,1-Dichloroethane	1	0.16	0.050	0.16	0.50	U
107-06-2	1,2-Dichloroethane	1	0.20	0.083	0.20	0.50	U
75-35-4	1,1-Dichloroethene	1	0.20	0.070	0.20	0.50	U
156-59-2	cis-1,2-Dichloroethene	1	3.4	0.085	0.16	0.50	
156-60-5	trans-1,2-Dichloroethene	1	0.060	0.050	0.16	0.50	J
78-87-5	1,2-Dichloropropane	1	0.30	0.075	0.30	0.50	U
10061-01-5	cis-1,3-Dichloropropene	1	0.16	0.075	0.16	0.50	U
10061-02-6	trans-1,3-Dichloropropene	1	0.16	0.082	0.16	0.50	U
100-41-4	Ethylbenzene	1	0.16	0.068	0.16	0.50	U
75-09-2	Methylene chloride	1	0.50	0.12	0.50	1.0	U
630-20-6	1,1,1,2-Tetrachloroethane	1	0.20	0.068	0.20	0.50	U
79-34-5	1,1,2,2-Tetrachloroethane	1	0.40	0.23	0.40	0.50	U
127-18-4	Tetrachloroethene	1	4.6	0.077	0.30	0.50	
108-88-3	Toluene	1	0.16	0.055	0.16	0.50	U
71-55-6	1,1,1-Trichloroethane	1	0.16	0.051	0.16	0.50	U
79-00-5	1,1,2-Trichloroethane	1	0.16	0.13	0.16	0.50	U

Ahtna Global, LLC
110 W. 38th Ave, Suite 200A
Anchorage, ALASKA 99503

Reported: 6/22/2022 9:31:28AM
Project: Former USDB Lompoc
Project Number: 21044.006.01.000
Project Manager: Jessica Feduck

ORGANIC ANALYSIS DATA SHEET

EPA-8260C

WRMW10A-0622-N

Laboratory:	Pace Analytical - Bakersfield			SDG:	2213551		
Client:	Ahtna Global, LLC $AHTT			Project:	Former USDB Lompoc		
Matrix:	Water	Laboratory ID:	2213551-06	File ID:	14JUN18.D		
Sampled:	06/08/22 11:00	Prepared:	06/14/22 06:00	Analyzed:	06/14/22 12:09		
Solids:		Preparation:	EPA 5030 Water MS	Initial/Final:	25 ml / 25 ml		
Batch:	B141807	Sequence:	2211065	Calibration:	2206012	Instrument:	MS-V5

CAS NO.	COMPOUND	DILUTION	CONC. (ug/L)	DL	LOD	LOQ	Q
79-01-6	Trichloroethene	1	1.3	0.065	0.16	0.50	
75-69-4	Trichlorofluoromethane	1	0.16	0.064	0.16	0.50	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	1	0.16	0.081	0.16	0.50	U
75-01-4	Vinyl chloride	1	0.16	0.097	0.16	0.50	U
67-64-1	Acetone	1	8.0	3.5	8.0	10	U
179601-23-1	p- & m-Xylenes	1	0.45	0.13	0.45	0.50	U
95-47-6	o-Xylene	1	0.40	0.065	0.40	0.50	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
1,2-Dichloroethane-d4 (Surrogate)	10.000	9.4100	94.1	81 - 118	
Toluene-d8 (Surrogate)	10.000	10.220	102	89 - 112	
4-Bromofluorobenzene (Surrogate)	10.000	9.5500	95.5	85 - 114	

INTERNAL STANDARD	AREA	RT	REF AREA	REF RT	Q
Pentafluorobenzene (IS)	52142	6.79	38910	6.79	
Chlorobenzene-d5 (IS)	128661	9.76	93847	9.76	
1,4-Difluorobenzene (IS)	100503	7.56	71924	7.56	

* Values outside of QC limits

Ahtna Global, LLC
110 W. 38th Ave, Suite 200A
Anchorage, ALASKA 99503

Reported: 6/22/2022 9:31:28AM
Project: Former USDB Lompoc
Project Number: 21044.006.01.000
Project Manager: Jessica Feduck

ORGANIC ANALYSIS DATA SHEET
EPA-8260C

WRMW11A-0622-N

Laboratory:	Pace Analytical - Bakersfield			SDG:	2213551		
Client:	Ahtna Global, LLC $AHTT			Project:	Former USDB Lompoc		
Matrix:	Water	Laboratory ID:	2213551-07	File ID:	14JUN19.D		
Sampled:	06/08/22 11:15	Prepared:	06/14/22 06:00	Analyzed:	06/14/22 12:34		
Solids:		Preparation:	EPA 5030 Water MS	Initial/Final:	25 ml / 25 ml		
Batch:	B141807	Sequence:	2211065	Calibration:	2206012	Instrument:	MS-V5

CAS NO.	COMPOUND	DILUTION	CONC. (ug/L)	DL	LOD	LOQ	Q
71-43-2	Benzene	1	0.16	0.063	0.16	0.50	U
108-86-1	Bromobenzene	1	0.30	0.050	0.30	0.50	U
75-27-4	Bromodichloromethane	1	0.30	0.064	0.30	0.50	U
75-25-2	Bromoform	1	0.30	0.15	0.30	0.60	U
74-83-9	Bromomethane	1	0.40	0.32	0.40	0.60	U
56-23-5	Carbon tetrachloride	1	0.20	0.050	0.20	0.50	U
108-90-7	Chlorobenzene	1	0.16	0.050	0.16	0.50	U
75-00-3	Chloroethane	1	0.16	0.093	0.16	0.50	U
67-66-3	Chloroform	1	0.16	0.050	0.16	0.50	U
74-87-3	Chloromethane	1	0.16	0.075	0.16	0.50	U
124-48-1	Dibromochloromethane	1	0.16	0.083	0.16	0.50	U
74-95-3	Dibromomethane	1	0.40	0.14	0.40	1.0	U
95-50-1	1,2-Dichlorobenzene	1	0.16	0.083	0.16	0.50	U
541-73-1	1,3-Dichlorobenzene	1	0.16	0.057	0.16	0.50	U
106-46-7	1,4-Dichlorobenzene	1	0.16	0.073	0.16	0.50	U
75-71-8	Dichlorodifluoromethane	1	0.16	0.059	0.16	0.50	U
75-34-3	1,1-Dichloroethane	1	0.16	0.050	0.16	0.50	U
107-06-2	1,2-Dichloroethane	1	0.20	0.083	0.20	0.50	U
75-35-4	1,1-Dichloroethene	1	0.20	0.070	0.20	0.50	U
156-59-2	cis-1,2-Dichloroethene	1	0.16	0.085	0.16	0.50	U
156-60-5	trans-1,2-Dichloroethene	1	0.16	0.050	0.16	0.50	U
78-87-5	1,2-Dichloropropane	1	0.30	0.075	0.30	0.50	U
10061-01-5	cis-1,3-Dichloropropene	1	0.16	0.075	0.16	0.50	U
10061-02-6	trans-1,3-Dichloropropene	1	0.16	0.082	0.16	0.50	U
100-41-4	Ethylbenzene	1	0.16	0.068	0.16	0.50	U
75-09-2	Methylene chloride	1	0.50	0.12	0.50	1.0	U
630-20-6	1,1,1,2-Tetrachloroethane	1	0.20	0.068	0.20	0.50	U
79-34-5	1,1,2,2-Tetrachloroethane	1	0.40	0.23	0.40	0.50	U
127-18-4	Tetrachloroethene	1	3.8	0.077	0.30	0.50	
108-88-3	Toluene	1	0.16	0.055	0.16	0.50	U
71-55-6	1,1,1-Trichloroethane	1	0.16	0.051	0.16	0.50	U
79-00-5	1,1,2-Trichloroethane	1	0.16	0.13	0.16	0.50	U

ORGANIC ANALYSIS DATA SHEET
EPA-8260C

WRMW11A-0622-N

Laboratory: Pace Analytical - Bakersfield
SDG: 2213551
Client: Ahtna Global, LLC $AHTT
Project: Former USDB Lompoc
Matrix: Water
Laboratory ID: 2213551-07
File ID: 14JUN19.D
Sampled: 06/08/22 11:15
Prepared: 06/14/22 06:00
Analyzed: 06/14/22 12:34
Solids:
Preparation: EPA 5030 Water MS
Initial/Final: 25 ml / 25 ml
Batch: B141807
Sequence: 2211065
Calibration: 2206012
Instrument: MS-V5

CAS NO.	COMPOUND	DILUTION	CONC. (ug/L)	DL	LOD	LOQ	Q
79-01-6	Trichloroethene	1	0.13	0.065	0.16	0.50	J
75-69-4	Trichlorofluoromethane	1	0.16	0.064	0.16	0.50	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	1	0.16	0.081	0.16	0.50	U
75-01-4	Vinyl chloride	1	0.16	0.097	0.16	0.50	U
67-64-1	Acetone	1	8.0	3.5	8.0	10	U
179601-23-1	p- & m-Xylenes	1	0.45	0.13	0.45	0.50	U
95-47-6	o-Xylene	1	0.40	0.065	0.40	0.50	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
1,2-Dichloroethane-d4 (Surrogate)	10.000	9.6000	96.0	81 - 118	
Toluene-d8 (Surrogate)	10.000	10.250	102	89 - 112	
4-Bromofluorobenzene (Surrogate)	10.000	9.3600	93.6	85 - 114	

INTERNAL STANDARD	AREA	RT	REF AREA	REF RT	Q
Pentafluorobenzene (IS)	51760	6.79	38910	6.79	
Chlorobenzene-d5 (IS)	134858	9.76	93847	9.76	
1,4-Difluorobenzene (IS)	105068	7.55	71924	7.56	

* Values outside of QC limits

ORGANIC ANALYSIS DATA SHEET
EPA-8260C

WRMW12A-0622-N

Laboratory: Pace Analytical - Bakersfield
SDG: 2213551
Client: Ahtna Global, LLC $AHTT
Project: Former USDB Lompoc
Matrix: Water
Laboratory ID: 2213551-08
File ID: 14JUN20.D
Sampled: 06/08/22 11:25
Prepared: 06/14/22 06:00
Analyzed: 06/14/22 12:59
Solids:
Preparation: EPA 5030 Water MS
Initial/Final: 25 ml / 25 ml
Batch: B141807
Sequence: 2211065
Calibration: 2206012
Instrument: MS-V5

CAS NO.	COMPOUND	DILUTION	CONC. (ug/L)	DL	LOD	LOQ	Q
71-43-2	Benzene	1	0.16	0.063	0.16	0.50	U
108-86-1	Bromobenzene	1	0.30	0.050	0.30	0.50	U
75-27-4	Bromodichloromethane	1	0.30	0.064	0.30	0.50	U
75-25-2	Bromoform	1	0.30	0.15	0.30	0.60	U
74-83-9	Bromomethane	1	0.40	0.32	0.40	0.60	U
56-23-5	Carbon tetrachloride	1	0.20	0.050	0.20	0.50	U
108-90-7	Chlorobenzene	1	0.16	0.050	0.16	0.50	U
75-00-3	Chloroethane	1	0.16	0.093	0.16	0.50	U
67-66-3	Chloroform	1	0.16	0.050	0.16	0.50	U
74-87-3	Chloromethane	1	0.16	0.075	0.16	0.50	U
124-48-1	Dibromochloromethane	1	0.16	0.083	0.16	0.50	U
74-95-3	Dibromomethane	1	0.40	0.14	0.40	1.0	U
95-50-1	1,2-Dichlorobenzene	1	0.16	0.083	0.16	0.50	U
541-73-1	1,3-Dichlorobenzene	1	0.16	0.057	0.16	0.50	U
106-46-7	1,4-Dichlorobenzene	1	0.16	0.073	0.16	0.50	U
75-71-8	Dichlorodifluoromethane	1	0.16	0.059	0.16	0.50	U
75-34-3	1,1-Dichloroethane	1	0.16	0.050	0.16	0.50	U
107-06-2	1,2-Dichloroethane	1	0.20	0.083	0.20	0.50	U
75-35-4	1,1-Dichloroethene	1	0.20	0.070	0.20	0.50	U
156-59-2	cis-1,2-Dichloroethene	1	5.9	0.085	0.16	0.50	
156-60-5	trans-1,2-Dichloroethene	1	0.16	0.050	0.16	0.50	U
78-87-5	1,2-Dichloropropane	1	0.30	0.075	0.30	0.50	U
10061-01-5	cis-1,3-Dichloropropene	1	0.16	0.075	0.16	0.50	U
10061-02-6	trans-1,3-Dichloropropene	1	0.16	0.082	0.16	0.50	U
100-41-4	Ethylbenzene	1	0.16	0.068	0.16	0.50	U
75-09-2	Methylene chloride	1	0.50	0.12	0.50	1.0	U
630-20-6	1,1,1,2-Tetrachloroethane	1	0.20	0.068	0.20	0.50	U
79-34-5	1,1,2,2-Tetrachloroethane	1	0.40	0.23	0.40	0.50	U
127-18-4	Tetrachloroethene	1	1.5	0.077	0.30	0.50	
108-88-3	Toluene	1	0.16	0.055	0.16	0.50	U
71-55-6	1,1,1-Trichloroethane	1	0.16	0.051	0.16	0.50	U
79-00-5	1,1,2-Trichloroethane	1	0.16	0.13	0.16	0.50	U

ORGANIC ANALYSIS DATA SHEET
EPA-8260C

WRMW12A-0622-N

Laboratory: Pace Analytical - Bakersfield
SDG: 2213551
Client: Ahtna Global, LLC $AHTT
Project: Former USDB Lompoc
Matrix: Water
Laboratory ID: 2213551-08
File ID: 14JUN20.D
Sampled: 06/08/22 11:25
Prepared: 06/14/22 06:00
Analyzed: 06/14/22 12:59
Solids:
Preparation: EPA 5030 Water MS
Initial/Final: 25 ml / 25 ml
Batch: B141807
Sequence: 2211065
Calibration: 2206012
Instrument: MS-V5

CAS NO.	COMPOUND	DILUTION	CONC. (ug/L)	DL	LOD	LOQ	Q
79-01-6	Trichloroethene	1	0.47	0.065	0.16	0.50	J
75-69-4	Trichlorofluoromethane	1	0.16	0.064	0.16	0.50	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	1	0.16	0.081	0.16	0.50	U
75-01-4	Vinyl chloride	1	0.16	0.097	0.16	0.50	U
67-64-1	Acetone	1	8.0	3.5	8.0	10	U
179601-23-1	p- & m-Xylenes	1	0.45	0.13	0.45	0.50	U
95-47-6	o-Xylene	1	0.40	0.065	0.40	0.50	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
1,2-Dichloroethane-d4 (Surrogate)	10.000	9.7300	97.3	81 - 118	
Toluene-d8 (Surrogate)	10.000	10.290	103	89 - 112	
4-Bromofluorobenzene (Surrogate)	10.000	9.7100	97.1	85 - 114	

INTERNAL STANDARD	AREA	RT	REF AREA	REF RT	Q
Pentafluorobenzene (IS)	53508	6.79	38910	6.79	
Chlorobenzene-d5 (IS)	134221	9.76	93847	9.76	
1,4-Difluorobenzene (IS)	105863	7.56	71924	7.56	

* Values outside of QC limits

Ahtna Global, LLC
110 W. 38th Ave, Suite 200A
Anchorage, ALASKA 99503

Reported: 6/22/2022 9:31:28AM
Project: Former USDB Lompoc
Project Number: 21044.006.01.000
Project Manager: Jessica Feduck

ORGANIC ANALYSIS DATA SHEET
EPA-8260C

FB-0622-01

Laboratory: Pace Analytical - Bakersfield
SDG: 2213551
Client: Ahtna Global, LLC $AHTT
Project: Former USDB Lompoc
Matrix: Water
Laboratory ID: 2213551-09
File ID: 14JUN21.D
Sampled: 06/08/22 11:40
Prepared: 06/14/22 06:00
Analyzed: 06/14/22 13:23
Solids:
Preparation: EPA 5030 Water MS
Initial/Final: 25 ml / 25 ml
Batch: B141807
Sequence: 2211065
Calibration: 2206012
Instrument: MS-V5

CAS NO.	COMPOUND	DILUTION	CONC. (ug/L)	DL	LOD	LOQ	Q
71-43-2	Benzene	1	0.16	0.063	0.16	0.50	U
108-86-1	Bromobenzene	1	0.30	0.050	0.30	0.50	U
75-27-4	Bromodichloromethane	1	0.30	0.064	0.30	0.50	U
75-25-2	Bromoform	1	0.30	0.15	0.30	0.60	U
74-83-9	Bromomethane	1	0.40	0.32	0.40	0.60	U
56-23-5	Carbon tetrachloride	1	0.20	0.050	0.20	0.50	U
108-90-7	Chlorobenzene	1	0.16	0.050	0.16	0.50	U
75-00-3	Chloroethane	1	0.16	0.093	0.16	0.50	U
67-66-3	Chloroform	1	0.16	0.050	0.16	0.50	U
74-87-3	Chloromethane	1	0.16	0.075	0.16	0.50	U
124-48-1	Dibromochloromethane	1	0.16	0.083	0.16	0.50	U
74-95-3	Dibromomethane	1	0.40	0.14	0.40	1.0	U
95-50-1	1,2-Dichlorobenzene	1	0.16	0.083	0.16	0.50	U
541-73-1	1,3-Dichlorobenzene	1	0.16	0.057	0.16	0.50	U
106-46-7	1,4-Dichlorobenzene	1	0.16	0.073	0.16	0.50	U
75-71-8	Dichlorodifluoromethane	1	0.16	0.059	0.16	0.50	U
75-34-3	1,1-Dichloroethane	1	0.16	0.050	0.16	0.50	U
107-06-2	1,2-Dichloroethane	1	0.20	0.083	0.20	0.50	U
75-35-4	1,1-Dichloroethene	1	0.20	0.070	0.20	0.50	U
156-59-2	cis-1,2-Dichloroethene	1	0.16	0.085	0.16	0.50	U
156-60-5	trans-1,2-Dichloroethene	1	0.16	0.050	0.16	0.50	U
78-87-5	1,2-Dichloropropane	1	0.30	0.075	0.30	0.50	U
10061-01-5	cis-1,3-Dichloropropene	1	0.16	0.075	0.16	0.50	U
10061-02-6	trans-1,3-Dichloropropene	1	0.16	0.082	0.16	0.50	U
100-41-4	Ethylbenzene	1	0.16	0.068	0.16	0.50	U
75-09-2	Methylene chloride	1	0.50	0.12	0.50	1.0	U
630-20-6	1,1,1,2-Tetrachloroethane	1	0.20	0.068	0.20	0.50	U
79-34-5	1,1,2,2-Tetrachloroethane	1	0.40	0.23	0.40	0.50	U
127-18-4	Tetrachloroethene	1	0.30	0.077	0.30	0.50	U
108-88-3	Toluene	1	0.16	0.055	0.16	0.50	U
71-55-6	1,1,1-Trichloroethane	1	0.16	0.051	0.16	0.50	U
79-00-5	1,1,2-Trichloroethane	1	0.16	0.13	0.16	0.50	U

Ahtna Global, LLC
110 W. 38th Ave, Suite 200A
Anchorage, ALASKA 99503

Reported: 6/22/2022 9:31:28AM
Project: Former USDB Lompoc
Project Number: 21044.006.01.000
Project Manager: Jessica Feduck

ORGANIC ANALYSIS DATA SHEET
EPA-8260C

FB-0622-01

Laboratory:	Pace Analytical - Bakersfield			SDG:	2213551		
Client:	Ahtna Global, LLC $AHTT			Project:	Former USDB Lompoc		
Matrix:	Water	Laboratory ID:	2213551-09	File ID:	14JUN21.D		
Sampled:	06/08/22 11:40	Prepared:	06/14/22 06:00	Analyzed:	06/14/22 13:23		
Solids:		Preparation:	EPA 5030 Water MS	Initial/Final:	25 ml / 25 ml		
Batch:	B141807	Sequence:	2211065	Calibration:	2206012	Instrument:	MS-V5

CAS NO.	COMPOUND	DILUTION	CONC. (ug/L)	DL	LOD	LOQ	Q
79-01-6	Trichloroethene	1	0.16	0.065	0.16	0.50	U
75-69-4	Trichlorofluoromethane	1	0.16	0.064	0.16	0.50	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	1	0.16	0.081	0.16	0.50	U
75-01-4	Vinyl chloride	1	0.16	0.097	0.16	0.50	U
67-64-1	Acetone	1	8.0	3.5	8.0	10	U
179601-23-1	p- & m-Xylenes	1	0.45	0.13	0.45	0.50	U
95-47-6	o-Xylene	1	0.40	0.065	0.40	0.50	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
1,2-Dichloroethane-d4 (Surrogate)	10.000	9.9600	99.6	81 - 118	
Toluene-d8 (Surrogate)	10.000	9.9500	99.5	89 - 112	
4-Bromofluorobenzene (Surrogate)	10.000	9.7200	97.2	85 - 114	

INTERNAL STANDARD	AREA	RT	REF AREA	REF RT	Q
Pentafluorobenzene (IS)	49947	6.8	38910	6.79	
Chlorobenzene-d5 (IS)	128207	9.76	93847	9.76	
1,4-Difluorobenzene (IS)	102449	7.56	71924	7.56	

* Values outside of QC limits

Ahtna Global, LLC
110 W. 38th Ave, Suite 200A
Anchorage, ALASKA 99503

Reported: 6/22/2022 9:31:28AM
Project: Former USDB Lompoc
Project Number: 21044.006.01.000
Project Manager: Jessica Feduck

ORGANIC ANALYSIS DATA SHEET
EPA-8260C

TB-0622-01

Laboratory: Pace Analytical - Bakersfield
SDG: 2213551
Client: Ahtna Global, LLC $AHTT
Project: Former USDB Lompoc
Matrix: Water
Laboratory ID: 2213551-10
File ID: 14JUN13.D
Sampled: 06/08/22 11:35
Prepared: 06/14/22 06:00
Analyzed: 06/14/22 10:06
Solids:
Preparation: EPA 5030 Water MS
Initial/Final: 25 ml / 25 ml
Batch: B141807
Sequence: 2211065
Calibration: 2206012
Instrument: MS-V5

CAS NO.	COMPOUND	DILUTION	CONC. (ug/L)	DL	LOD	LOQ	Q
71-43-2	Benzene	1	0.16	0.063	0.16	0.50	U
108-86-1	Bromobenzene	1	0.30	0.050	0.30	0.50	U
75-27-4	Bromodichloromethane	1	0.30	0.064	0.30	0.50	U
75-25-2	Bromoform	1	0.30	0.15	0.30	0.60	U
74-83-9	Bromomethane	1	0.40	0.32	0.40	0.60	U
56-23-5	Carbon tetrachloride	1	0.20	0.050	0.20	0.50	U
108-90-7	Chlorobenzene	1	0.16	0.050	0.16	0.50	U
75-00-3	Chloroethane	1	0.16	0.093	0.16	0.50	U
67-66-3	Chloroform	1	0.16	0.050	0.16	0.50	U
74-87-3	Chloromethane	1	0.16	0.075	0.16	0.50	U
124-48-1	Dibromochloromethane	1	0.16	0.083	0.16	0.50	U
74-95-3	Dibromomethane	1	0.40	0.14	0.40	1.0	U
95-50-1	1,2-Dichlorobenzene	1	0.16	0.083	0.16	0.50	U
541-73-1	1,3-Dichlorobenzene	1	0.16	0.057	0.16	0.50	U
106-46-7	1,4-Dichlorobenzene	1	0.16	0.073	0.16	0.50	U
75-71-8	Dichlorodifluoromethane	1	0.16	0.059	0.16	0.50	U
75-34-3	1,1-Dichloroethane	1	0.16	0.050	0.16	0.50	U
107-06-2	1,2-Dichloroethane	1	0.20	0.083	0.20	0.50	U
75-35-4	1,1-Dichloroethene	1	0.20	0.070	0.20	0.50	U
156-59-2	cis-1,2-Dichloroethene	1	0.16	0.085	0.16	0.50	U
156-60-5	trans-1,2-Dichloroethene	1	0.16	0.050	0.16	0.50	U
78-87-5	1,2-Dichloropropane	1	0.30	0.075	0.30	0.50	U
10061-01-5	cis-1,3-Dichloropropene	1	0.16	0.075	0.16	0.50	U
10061-02-6	trans-1,3-Dichloropropene	1	0.16	0.082	0.16	0.50	U
100-41-4	Ethylbenzene	1	0.16	0.068	0.16	0.50	U
75-09-2	Methylene chloride	1	0.50	0.12	0.50	1.0	U
630-20-6	1,1,1,2-Tetrachloroethane	1	0.20	0.068	0.20	0.50	U
79-34-5	1,1,2,2-Tetrachloroethane	1	0.40	0.23	0.40	0.50	U
127-18-4	Tetrachloroethene	1	0.30	0.077	0.30	0.50	U
108-88-3	Toluene	1	0.12	0.055	0.16	0.50	J
71-55-6	1,1,1-Trichloroethane	1	0.16	0.051	0.16	0.50	U
79-00-5	1,1,2-Trichloroethane	1	0.16	0.13	0.16	0.50	U

Ahtna Global, LLC
110 W. 38th Ave, Suite 200A
Anchorage, ALASKA 99503

Reported: 6/22/2022 9:31:28AM
Project: Former USDB Lompoc
Project Number: 21044.006.01.000
Project Manager: Jessica Feduck

ORGANIC ANALYSIS DATA SHEET

EPA-8260C

TB-0622-01

Laboratory: Pace Analytical - Bakersfield
SDG: 2213551
Client: Ahtna Global, LLC $AHTT
Project: Former USDB Lompoc
Matrix: Water
Laboratory ID: 2213551-10
File ID: 14JUN13.D
Sampled: 06/08/22 11:35
Prepared: 06/14/22 06:00
Analyzed: 06/14/22 10:06
Solids:
Preparation: EPA 5030 Water MS
Initial/Final: 25 ml / 25 ml
Batch: B141807
Sequence: 2211065
Calibration: 2206012
Instrument: MS-V5

CAS NO.	COMPOUND	DILUTION	CONC. (ug/L)	DL	LOD	LOQ	Q
79-01-6	Trichloroethene	1	0.16	0.065	0.16	0.50	U
75-69-4	Trichlorofluoromethane	1	0.16	0.064	0.16	0.50	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	1	0.16	0.081	0.16	0.50	U
75-01-4	Vinyl chloride	1	0.16	0.097	0.16	0.50	U
67-64-1	Acetone	1	8.0	3.5	8.0	10	U
179601-23-1	p- & m-Xylenes	1	0.45	0.13	0.45	0.50	U
95-47-6	o-Xylene	1	0.40	0.065	0.40	0.50	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
1,2-Dichloroethane-d4 (Surrogate)	10.000	9.9200	99.2	81 - 118	
Toluene-d8 (Surrogate)	10.000	10.160	102	89 - 112	
4-Bromofluorobenzene (Surrogate)	10.000	9.9000	99.0	85 - 114	

INTERNAL STANDARD	AREA	RT	REF AREA	REF RT	Q
Pentafluorobenzene (IS)	53267	6.79	38910	6.79	
Chlorobenzene-d5 (IS)	133369	9.76	93847	9.76	
1,4-Difluorobenzene (IS)	103305	7.56	71924	7.56	

* Values outside of QC limits

PREPARATION BATCH SUMMARY

EPA-8260C

Laboratory: Pace Analytical - Bakersfield

SDG: 2213551

Client: Ahtna Global, LLC $AHTT

Project: Former USDB Lompoc

Batch: B141807

Batch Matrix: Water

Preparation: EPA 5030 Water MS

SAMPLE NAME	LAB SAMPLE ID	LAB FILE ID	DATE PREPARED	OBSERVATIONS
WRMW04A-0622-N	2213551-01	14JUN14.D	06/14/22 06:00	Lompoc-CLP IV
WRMW05A-0622-N	2213551-02	14JUN15.D	06/14/22 06:00	Lompoc-CLP IV
WRMW08A-0622-N	2213551-03	14JUN16.D	06/14/22 06:00	Lompoc-CLP IV
WRMW08A-0622-D	2213551-04	14JUN17.D	06/14/22 06:00	Lompoc-CLP IV
WRMW09A-0622-N	2213551-05	14JUN06.D	06/14/22 06:00	Lompoc-CLP IV
WRMW10A-0622-N	2213551-06	14JUN18.D	06/14/22 06:00	Lompoc-CLP IV
WRMW11A-0622-N	2213551-07	14JUN19.D	06/14/22 06:00	Lompoc-CLP IV
WRMW12A-0622-N	2213551-08	14JUN20.D	06/14/22 06:00	Lompoc-CLP IV
FB-0622-01	2213551-09	14JUN21.D	06/14/22 06:00	Lompoc-CLP IV
TB-0622-01	2213551-10	14JUN13.D	06/14/22 06:00	Lompoc-CLP IV
Blank	B141807-BLK1	14JUN05.D	06/14/22 06:00	
LCS	B141807-BS1	14JUN07.D	06/14/22 06:00	
LCS Dup	B141807-BSD1	14JUN08.D	06/14/22 06:00	
WRMW09A-0622-N	B141807-MS1	14JUN09.D	06/14/22 06:00	
WRMW09A-0622-N	B141807-MSD1	14JUN10.D	06/14/22 06:00	

METHOD BLANK DATA SHEET
EPA-8260C

Laboratory:	Pace Analytical - Bakersfield			SDG:	2213551
Client:	Ahtna Global, LLC $AHTT			Project:	Former USDB Lompoc
Matrix:	Water	Laboratory ID:	B141807-BLK1	File ID:	14JUN05.D
Prepared:	06/14/22 06:00	Preparation:	EPA 5030 Water MS	Initial/Final:	25 ml / 25 ml
Analyzed:	06/14/22 06:51	Instrument:	MS-V5		
Batch:	B141807	Sequence:	2211065	Calibration:	2206012

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
71-43-2	Benzene	0.16	0.063	0.16	0.50	U
108-86-1	Bromobenzene	0.30	0.050	0.30	0.50	U
75-27-4	Bromodichloromethane	0.30	0.064	0.30	0.50	U
75-25-2	Bromoform	0.30	0.15	0.30	0.60	U
74-83-9	Bromomethane	0.40	0.32	0.40	0.60	U
56-23-5	Carbon tetrachloride	0.20	0.050	0.20	0.50	U
108-90-7	Chlorobenzene	0.16	0.050	0.16	0.50	U
75-00-3	Chloroethane	0.16	0.093	0.16	0.50	U
67-66-3	Chloroform	0.16	0.050	0.16	0.50	U
74-87-3	Chloromethane	0.16	0.075	0.16	0.50	U
124-48-1	Dibromochloromethane	0.16	0.083	0.16	0.50	U
74-95-3	Dibromomethane	0.40	0.14	0.40	1.0	U
95-50-1	1,2-Dichlorobenzene	0.16	0.083	0.16	0.50	U
541-73-1	1,3-Dichlorobenzene	0.16	0.057	0.16	0.50	U
106-46-7	1,4-Dichlorobenzene	0.16	0.073	0.16	0.50	U
75-71-8	Dichlorodifluoromethane	0.16	0.059	0.16	0.50	U
75-34-3	1,1-Dichloroethane	0.16	0.050	0.16	0.50	U
107-06-2	1,2-Dichloroethane	0.20	0.083	0.20	0.50	U
75-35-4	1,1-Dichloroethene	0.20	0.070	0.20	0.50	U
156-59-2	cis-1,2-Dichloroethene	0.16	0.085	0.16	0.50	U
156-60-5	trans-1,2-Dichloroethene	0.16	0.050	0.16	0.50	U
78-87-5	1,2-Dichloropropane	0.30	0.075	0.30	0.50	U
10061-01-5	cis-1,3-Dichloropropene	0.16	0.075	0.16	0.50	U
10061-02-6	trans-1,3-Dichloropropene	0.16	0.082	0.16	0.50	U

Ahtna Global, LLC
110 W. 38th Ave, Suite 200A
Anchorage, ALASKA 99503

Reported: 6/22/2022 9:31:28AM
Project: Former USDB Lompoc
Project Number: 21044.006.01.000
Project Manager: Jessica Feduck

METHOD BLANK DATA SHEET
EPA-8260C

Laboratory:	Pace Analytical - Bakersfield			SDG:	2213551
Client:	Ahtna Global, LLC $AHTT			Project:	Former USDB Lompoc
Matrix:	Water	Laboratory ID:	B141807-BLK1	File ID:	14JUN05.D
Prepared:	06/14/22 06:00	Preparation:	EPA 5030 Water MS	Initial/Final:	25 ml / 25 ml
Analyzed:	06/14/22 06:51	Instrument:	MS-V5		
Batch:	B141807	Sequence:	2211065	Calibration:	2206012

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
100-41-4	Ethylbenzene	0.16	0.068	0.16	0.50	U
75-09-2	Methylene chloride	0.50	0.12	0.50	1.0	U
630-20-6	1,1,1,2-Tetrachloroethane	0.20	0.068	0.20	0.50	U
79-34-5	1,1,2,2-Tetrachloroethane	0.40	0.23	0.40	0.50	U
127-18-4	Tetrachloroethene	0.30	0.077	0.30	0.50	U
108-88-3	Toluene	0.16	0.055	0.16	0.50	U
71-55-6	1,1,1-Trichloroethane	0.16	0.051	0.16	0.50	U
79-00-5	1,1,2-Trichloroethane	0.16	0.13	0.16	0.50	U
79-01-6	Trichloroethene	0.16	0.065	0.16	0.50	U
75-69-4	Trichlorofluoromethane	0.16	0.064	0.16	0.50	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	0.16	0.081	0.16	0.50	U
75-01-4	Vinyl chloride	0.16	0.097	0.16	0.50	U
67-64-1	Acetone	8.0	3.5	8.0	10	U
179601-23-1	p- & m-Xylenes	0.45	0.13	0.45	0.50	U
95-47-6	o-Xylene	0.40	0.065	0.40	0.50	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
1,2-Dichloroethane-d4 (Surrogate)	10.000	9.5100	95.1	81 - 118	
Toluene-d8 (Surrogate)	10.000	10.150	102	89 - 112	
4-Bromofluorobenzene (Surrogate)	10.000	9.7600	97.6	85 - 114	

INTERNAL STANDARD	AREA	RT	REF AREA	REF RT	Q
Pentafluorobenzene (IS)	48514	6.79	38910	6.79	
Chlorobenzene-d5 (IS)	124832	9.76	93847	9.76	
1,4-Difluorobenzene (IS)	97563	7.56	71924	7.56	

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY
EPA-8260C

WRMW09A-0622-N

Laboratory: Pace Analytical - Bakersfield
SDG: 2213551
Client: Ahtna Global, LLC $AHTT
Project: Former USDB Lompoc
Matrix: Water
Batch: B141807
Laboratory ID: B141807-MS1
Preparation: EPA 5030 Water MS
Initial/Final: 25 ml / 25 ml
Source Sample Number: 2213551-05

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC. #	QC LIMITS REC.
Benzene	25.000	ND	24.020	96.1	79 - 120
Bromobenzene	25.000	ND	23.610	94.4	80 - 120
Bromodichloromethane	25.000	ND	22.220	88.9	79 - 125
Bromoform	25.000	ND	22.170	88.7	66 - 130
Bromomethane	25.000	ND	26.400	106	53 - 141
Carbon tetrachloride	25.000	ND	22.140	88.6	72 - 136
Chlorobenzene	25.000	ND	23.530	94.1	82 - 118
Chloroethane	25.000	ND	24.760	99.0	60 - 138
Chloroform	25.000	ND	23.350	93.4	79 - 124
Chloromethane	25.000	ND	23.230	92.9	50 - 139
Dibromochloromethane	25.000	ND	21.770	87.1	74 - 126
Dibromomethane	25.000	ND	22.690	90.8	79 - 123
1,2-Dichlorobenzene	25.000	ND	23.510	94.0	80 - 119
1,3-Dichlorobenzene	25.000	ND	23.530	94.1	80 - 119
1,4-Dichlorobenzene	25.000	ND	23.250	93.0	79 - 118
Dichlorodifluoromethane	25.000	ND	24.640	98.6	32 - 152
1,1-Dichloroethane	25.000	ND	23.740	95.0	77 - 125
1,2-Dichloroethane	25.000	ND	22.520	90.1	73 - 128
1,1-Dichloroethene	25.000	ND	23.420	93.7	71 - 131
cis-1,2-Dichloroethene	25.000	10.160	32.750	90.4	78 - 123
trans-1,2-Dichloroethene	25.000	0.070000	23.790	94.9	75 - 124
1,2-Dichloropropane	25.000	ND	23.710	94.8	78 - 122
cis-1,3-Dichloropropene	25.000	ND	22.380	89.5	75 - 124
trans-1,3-Dichloropropene	25.000	ND	21.410	85.6	73 - 127
Ethylbenzene	25.000	ND	24.040	96.2	79 - 121

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

EPA-8260C

WRMW09A-0622-N

Laboratory: Pace Analytical - Bakersfield
SDG: 2213551
Client: Ahtna Global, LLC $AHTT
Project: Former USDB Lompoc
Matrix: Water
Batch: B141807
Laboratory ID: B141807-MS1
Preparation: EPA 5030 Water MS
Initial/Final: 25 ml / 25 ml
Source Sample Number: 2213551-05

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC. #	QC LIMITS REC.
Methylene chloride	25.000	ND	25.470	102	74 - 124
1,1,1,2-Tetrachloroethane	25.000	ND	21.520	86.1	78 - 124
1,1,2,2-Tetrachloroethane	25.000	ND	24.910	99.6	71 - 121
Tetrachloroethene	25.000	0.25000	23.500	93.0	74 - 129
Toluene	25.000	ND	23.750	95.0	80 - 121
1,1,1-Trichloroethane	25.000	ND	23.310	93.2	74 - 131
1,1,2-Trichloroethane	25.000	ND	23.060	92.2	80 - 119
Trichloroethene	25.000	0.28000	24.530	97.0	79 - 123
Trichlorofluoromethane	25.000	ND	24.870	99.5	65 - 141
1,1,2-Trichloro-1,2,2-trifluoroethane	25.000	ND	27.870	111	70 - 136
Vinyl chloride	25.000	0.17000	23.260	92.4	58 - 137
Acetone	320.00	ND	358.86	112	39 - 160
p- & m-Xylenes	50.000	ND	46.140	92.3	80 - 121
o-Xylene	25.000	ND	23.790	95.2	78 - 122

COMPOUND	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC. #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
Benzene	25.000	25.740	103	6.91	20	79 - 120
Bromobenzene	25.000	24.680	98.7	4.43	20	80 - 120
Bromodichloromethane	25.000	24.600	98.4	10.2	20	79 - 125
Bromoform	25.000	24.230	96.9	8.88	20	66 - 130
Bromomethane	25.000	30.060	120	13.0	20	53 - 141
Carbon tetrachloride	25.000	24.160	96.6	8.73	20	72 - 136
Chlorobenzene	25.000	25.130	101	6.58	20	82 - 118
Chloroethane	25.000	26.820	107	7.99	20	60 - 138

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY
EPA-8260C

WRMW09A-0622-N

Laboratory: Pace Analytical - Bakersfield
SDG: 2213551
Client: Ahtna Global, LLC $AHTT
Project: Former USDB Lompoc
Matrix: Water
Batch: B141807
Laboratory ID: B141807-MSD1
Preparation: EPA 5030 Water MS
Initial/Final: 25 ml / 25 ml
Source Sample Number: 2213551-05

COMPOUND	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC. #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
Chloroform	25.000	25.440	102	8.57	20	79 - 124
Chloromethane	25.000	24.680	98.7	6.05	20	50 - 139
Dibromochloromethane	25.000	25.090	100	14.2	20	74 - 126
Dibromomethane	25.000	26.100	104	14.0	20	79 - 123
1,2-Dichlorobenzene	25.000	26.100	104	10.4	20	80 - 119
1,3-Dichlorobenzene	25.000	25.820	103	9.28	20	80 - 119
1,4-Dichlorobenzene	25.000	25.410	102	8.88	20	79 - 118
Dichlorodifluoromethane	25.000	26.560	106	7.50	20	32 - 152
1,1-Dichloroethane	25.000	25.450	102	6.95	20	77 - 125
1,2-Dichloroethane	25.000	25.230	101	11.4	20	73 - 128
1,1-Dichloroethene	25.000	24.960	99.8	6.37	20	71 - 131
cis-1,2-Dichloroethene	25.000	31.480	85.3	3.95	20	78 - 123
trans-1,2-Dichloroethene	25.000	25.100	100	5.36	20	75 - 124
1,2-Dichloropropane	25.000	26.290	105	10.3	20	78 - 122
cis-1,3-Dichloropropene	25.000	25.030	100	11.2	20	75 - 124
trans-1,3-Dichloropropene	25.000	24.230	96.9	12.4	20	73 - 127
Ethylbenzene	25.000	25.200	101	4.71	20	79 - 121
Methylene chloride	25.000	27.370	109	7.19	20	74 - 124
1,1,1,2-Tetrachloroethane	25.000	23.440	93.8	8.54	20	78 - 124
1,1,2,2-Tetrachloroethane	25.000	27.120	108	8.50	20	71 - 121
Tetrachloroethene	25.000	25.540	101	8.32	20	74 - 129
Toluene	25.000	26.220	105	9.89	20	80 - 121
1,1,1-Trichloroethane	25.000	25.270	101	8.07	20	74 - 131
1,1,2-Trichloroethane	25.000	26.890	108	15.3	20	80 - 119
Trichloroethene	25.000	26.500	105	7.72	20	79 - 123
Trichlorofluoromethane	25.000	26.700	107	7.10	20	65 - 141

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY
EPA-8260C

WRMW09A-0622-N

Laboratory: Pace Analytical - Bakersfield

SDG: 2213551

Client: Ahtna Global, LLC $AHTT

Project: Former USDB Lompoc

Matrix: Water

Batch: B141807

Laboratory ID: B141807-MSD1

Preparation: EPA 5030 Water MS

Initial/Final: 25 ml / 25 ml

Source Sample Number: 2213551-05

COMPOUND	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC. #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
1,1,2-Trichloro-1,2,2-trifluoroethane	25.000	29.060	116	4.18	20	70 - 136
Vinyl chloride	25.000	24.980	99.2	7.13	20	58 - 137
Acetone	320.00	357.37	112	0.416	20	39 - 160
p- & m-Xylenes	50.000	48.640	97.3	5.28	20	80 - 121
o-Xylene	25.000	25.360	101	6.39	20	78 - 122

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

LCS RECOVERY

EPA-8260C

Laboratory: Pace Analytical - Bakersfield

SDG: 2213551

Client: Ahtna Global, LLC $AHTT

Project: Former USDB Lompoc

Matrix: Water

Batch: B141807

Laboratory ID: B141807-BS1

Preparation: EPA 5030 Water MS

Initial/Final: 25 ml / 25 ml

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC. #	QC LIMITS REC.
Benzene	25.000	25.790	103	79 - 120
Bromobenzene	25.000	24.280	97.1	80 - 120
Bromodichloromethane	25.000	23.080	92.3	79 - 125
Bromoform	25.000	22.440	89.8	66 - 130
Bromomethane	25.000	23.290	93.2	53 - 141
Carbon tetrachloride	25.000	22.160	88.6	72 - 136
Chlorobenzene	25.000	24.060	96.2	82 - 118
Chloroethane	25.000	26.080	104	60 - 138
Chloroform	25.000	24.950	99.8	79 - 124
Chloromethane	25.000	24.160	96.6	50 - 139
Dibromochloromethane	25.000	23.100	92.4	74 - 126
Dibromomethane	25.000	24.140	96.6	79 - 123
1,2-Dichlorobenzene	25.000	24.760	99.0	80 - 119
1,3-Dichlorobenzene	25.000	24.550	98.2	80 - 119
1,4-Dichlorobenzene	25.000	24.030	96.1	79 - 118
Dichlorodifluoromethane	25.000	25.010	100	32 - 152
1,1-Dichloroethane	25.000	25.460	102	77 - 125
1,2-Dichloroethane	25.000	24.540	98.2	73 - 128
1,1-Dichloroethene	25.000	24.370	97.5	71 - 131
cis-1,2-Dichloroethene	25.000	24.980	99.9	78 - 123
trans-1,2-Dichloroethene	25.000	24.390	97.6	75 - 124
1,2-Dichloropropane	25.000	25.170	101	78 - 122
cis-1,3-Dichloropropene	25.000	24.100	96.4	75 - 124
trans-1,3-Dichloropropene	25.000	23.340	93.4	73 - 127

LCS RECOVERY
EPA-8260C

Laboratory:	Pace Analytical - Bakersfield	SDG:	2213551
Client:	Ahtna Global, LLC $AHTT	Project:	Former USDB Lompoc
Matrix:	Water		
Batch:	B141807	Laboratory ID:	B141807-BS1
Preparation:	EPA 5030 Water MS	Initial/Final:	25 ml / 25 ml

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC. #	QC LIMITS REC.
Ethylbenzene	25.000	24.380	97.5	79 - 121
Methylene chloride	25.000	27.010	108	74 - 124
1,1,1,2-Tetrachloroethane	25.000	21.880	87.5	78 - 124
1,1,2,2-Tetrachloroethane	25.000	26.620	106	71 - 121
Tetrachloroethene	25.000	23.360	93.4	74 - 129
Toluene	25.000	24.790	99.2	80 - 121
1,1,1-Trichloroethane	25.000	23.410	93.6	74 - 131
1,1,2-Trichloroethane	25.000	25.000	100	80 - 119
Trichloroethene	25.000	24.650	98.6	79 - 123
Trichlorofluoromethane	25.000	24.770	99.1	65 - 141
1,1,2-Trichloro-1,2,2-trifluoroethane	25.000	27.850	111	70 - 136
Vinyl chloride	25.000	23.630	94.5	58 - 137
Acetone	320.00	317.64	99.3	39 - 160
p- & m-Xylenes	50.000	47.630	95.3	80 - 121
o-Xylene	25.000	24.530	98.1	78 - 122

COMPOUND	SPIKE ADDED (ug/L)	LCSD CONCENTRATION (ug/L)	LCSD % REC. #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
Benzene	25.000	25.100	100	2.71	20	79 - 120
Bromobenzene	25.000	24.270	97.1	0.0412	20	80 - 120
Bromodichloromethane	25.000	23.890	95.6	3.45	20	79 - 125
Bromoform	25.000	23.130	92.5	3.03	20	66 - 130
Bromomethane	25.000	27.540	110	16.7	20	53 - 141
Carbon tetrachloride	25.000	22.540	90.2	1.70	20	72 - 136

LCS RECOVERY
EPA-8260C

Laboratory: Pace Analytical - Bakersfield
SDG: 2213551
Client: Ahtna Global, LLC $AHTT
Project: Former USDB Lompoc
Matrix: Water
Batch: B141807
Laboratory ID: B141807-BSD1
Preparation: EPA 5030 Water MS
Initial/Final: 25 ml / 25 ml

COMPOUND	SPIKE ADDED (ug/L)	LCSD CONCENTRATION (ug/L)	LCSD % REC. #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
Chlorobenzene	25.000	24.180	96.7	0.498	20	82 - 118
Chloroethane	25.000	26.050	104	0.115	20	60 - 138
Chloroform	25.000	24.430	97.7	2.11	20	79 - 124
Chloromethane	25.000	24.200	96.8	0.165	20	50 - 139
Dibromochloromethane	25.000	23.810	95.2	3.03	20	74 - 126
Dibromomethane	25.000	24.980	99.9	3.42	20	79 - 123
1,2-Dichlorobenzene	25.000	24.970	99.9	0.845	20	80 - 119
1,3-Dichlorobenzene	25.000	24.550	98.2	0.00	20	80 - 119
1,4-Dichlorobenzene	25.000	24.380	97.5	1.45	20	79 - 118
Dichlorodifluoromethane	25.000	25.380	102	1.47	20	32 - 152
1,1-Dichloroethane	25.000	25.240	101	0.868	20	77 - 125
1,2-Dichloroethane	25.000	24.180	96.7	1.48	20	73 - 128
1,1-Dichloroethene	25.000	24.230	96.9	0.576	20	71 - 131
cis-1,2-Dichloroethene	25.000	24.530	98.1	1.82	20	78 - 123
trans-1,2-Dichloroethene	25.000	24.380	97.5	0.0410	20	75 - 124
1,2-Dichloropropane	25.000	25.640	103	1.85	20	78 - 122
cis-1,3-Dichloropropene	25.000	24.410	97.6	1.28	20	75 - 124
trans-1,3-Dichloropropene	25.000	23.380	93.5	0.171	20	73 - 127
Ethylbenzene	25.000	24.520	98.1	0.573	20	79 - 121
Methylene chloride	25.000	26.750	107	0.967	20	74 - 124
1,1,1,2-Tetrachloroethane	25.000	22.190	88.8	1.41	20	78 - 124
1,1,2,2-Tetrachloroethane	25.000	25.540	102	4.14	20	71 - 121
Tetrachloroethene	25.000	25.190	101	7.54	20	74 - 129
Toluene	25.000	25.330	101	2.15	20	80 - 121

Ahtna Global, LLC
110 W. 38th Ave, Suite 200A
Anchorage, ALASKA 99503

Reported: 6/22/2022 9:31:28AM
Project: Former USDB Lompoc
Project Number: 21044.006.01.000
Project Manager: Jessica Feduck

LCS RECOVERY

EPA-8260C

Laboratory:	Pace Analytical - Bakersfield	SDG:	2213551
Client:	Ahtna Global, LLC $AHTT	Project:	Former USDB Lompoc
Matrix:	Water		
Batch:	B141807	Laboratory ID:	B141807-BSD1
Preparation:	EPA 5030 Water MS	Initial/Final:	25 ml / 25 ml

COMPOUND	SPIKE ADDED (ug/L)	LCSD CONCENTRATION (ug/L)	LCSD % REC. #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
1,1,1-Trichloroethane	25.000	24.100	96.4	2.90	20	74 - 131
1,1,2-Trichloroethane	25.000	25.930	104	3.65	20	80 - 119
Trichloroethene	25.000	25.330	101	2.72	20	79 - 123
Trichlorofluoromethane	25.000	24.790	99.2	0.0807	20	65 - 141
1,1,2-Trichloro-1,2,2-trifluoroethane	25.000	28.210	113	1.28	20	70 - 136
Vinyl chloride	25.000	23.250	93.0	1.62	20	58 - 137
Acetone	320.00	308.67	96.5	2.86	20	39 - 160
p- & m-Xylenes	50.000	46.990	94.0	1.35	20	80 - 121
o-Xylene	25.000	24.390	97.6	0.572	20	78 - 122

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

ANALYSIS BATCH (SEQUENCE) SUMMARY

EPA-8260C

Laboratory:	Pace Analytical - Bakersfield	SDG:	2213551
Client:	Ahtna Global, LLC $AHTT	Project:	Former USDB Lompoc
Sequence:	2211065	Instrument:	MS-V5
Matrix:	Water	Calibration:	2206012

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Initial Cal Check	2211065-ICV1	10JUN17.D	06/10/22 13:35
Initial Cal Blank	2211065-ICB1	10JUN19.D	06/10/22 14:28
Initial Cal Check	2211065-ICV2	10JUN29.D	06/10/22 18:36
Initial Cal Blank	2211065-ICB2	10JUN31.D	06/10/22 19:26
MS Tune	2211065-TUN1	14JUN01.D	06/14/22 05:14
Calibration Check	2211065-CCV1	14JUN02.D	06/14/22 05:38
Calibration Check	2211065-CCV2	14JUN03.D	06/14/22 06:02
Calibration Blank	2211065-CCB1	14JUN04.D	06/14/22 06:27
Blank	B141807-BLK1	14JUN05.D	06/14/22 06:51
WRMW09A-0622-N	2213551-05	14JUN06.D	06/14/22 07:16
LCS	B141807-BS1	14JUN07.D	06/14/22 07:40
LCS Dup	B141807-BSD1	14JUN08.D	06/14/22 08:04
WRMW09A-0622-N	B141807-MS1	14JUN09.D	06/14/22 08:29
WRMW09A-0622-N	B141807-MSD1	14JUN10.D	06/14/22 08:53
TB-0622-01	2213551-10	14JUN13.D	06/14/22 10:06
WRMW04A-0622-N	2213551-01	14JUN14.D	06/14/22 10:31
WRMW05A-0622-N	2213551-02	14JUN15.D	06/14/22 10:55
WRMW08A-0622-N	2213551-03	14JUN16.D	06/14/22 11:20
WRMW08A-0622-D	2213551-04	14JUN17.D	06/14/22 11:45
WRMW10A-0622-N	2213551-06	14JUN18.D	06/14/22 12:09
WRMW11A-0622-N	2213551-07	14JUN19.D	06/14/22 12:34
WRMW12A-0622-N	2213551-08	14JUN20.D	06/14/22 12:59
FB-0622-01	2213551-09	14JUN21.D	06/14/22 13:23
MS Tune	2211065-TUN2	14JUN30.D	06/14/22 17:05
Calibration Check	2211065-CCV3	14JUN31.D	06/14/22 17:30
Calibration Check	2211065-CCV4	14JUN32.D	06/14/22 17:54

ANALYSIS BATCH (SEQUENCE) SUMMARY

EPA-8260C

Laboratory:	Pace Analytical - Bakersfield	SDG:	2213551
Client:	Ahtna Global, LLC $AHTT	Project:	Former USDB Lompoc
Sequence:	2211065	Instrument:	MS-V5
Matrix:	Water	Calibration:	2206012

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Calibration Blank	2211065-CCB2	14JUN33.D	06/14/22 18:19

ANALYSIS BATCH (SEQUENCE) SUMMARY

EPA-8260C

Laboratory:	Pace Analytical - Bakersfield	SDG:	2213551
Client:	Ahtna Global, LLC $AHTT	Project:	Former USDB Lompoc
Sequence:	2211076	Instrument:	MS-V5
Matrix:	Water	Calibration:	2206012

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
MS Tune	2211076-TUN1	10JUN07.D	06/10/22 09:26
Cal Standard	2211076-CAL1	10JUN08.D	06/10/22 09:52
Cal Standard	2211076-CAL2	10JUN10.D	06/10/22 10:41
Cal Standard	2211076-CAL3	10JUN11.D	06/10/22 11:06
Cal Standard	2211076-CAL4	10JUN12.D	06/10/22 11:31
Cal Standard	2211076-CAL5	10JUN13.D	06/10/22 11:56
Cal Standard	2211076-CAL6	10JUN14.D	06/10/22 12:21
Cal Standard	2211076-CAL7	10JUN21.D	06/10/22 15:18
Cal Standard	2211076-CAL8	10JUN22.D	06/10/22 15:43
Cal Standard	2211076-CAL9	10JUN23.D	06/10/22 16:08
Cal Standard	2211076-CALA	10JUN24.D	06/10/22 16:32
Cal Standard	2211076-CALB	10JUN25.D	06/10/22 16:57
Cal Standard	2211076-CALC	10JUN26.D	06/10/22 17:22

MASS SPECTROMETER INSTRUMENT PERFORMANCE CHECK

EPA-8260C

Laboratory:	Pace Analytical - Bakersfield	SDG:	2213551
Client:	Ahtna Global, LLC $AHTT	Project:	Former USDB Lompoc
Lab File ID:	14JUN01.D	Injection Date:	06/14/22
Instrument ID:	MS-V5	Injection Time:	05:14
Sequence:	2211065	Lab Sample ID:	2211065-TUN1

m/z	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
Mass 50	15 - 40% of Mass 95	16.4	PASS
Mass 75	30 - 60% of Mass 95	39.3	PASS
Mass 95	Base peak, 100% relative abundance	100	PASS
Mass 96	5 - 9% of Mass 95	7.7	PASS
Mass 173	Less than 2% of Mass 174	0	PASS
Mass 174	50 - 100% of Mass 95	65.3	PASS
Mass 175	5 - 9% of Mass 174	8.04	PASS
Mass 176	95 - 101% of Mass 174	101	PASS
Mass 177	5 - 9% of Mass 176	7.43	PASS

MASS SPECTROMETER INSTRUMENT PERFORMANCE CHECK

EPA-8260C

Laboratory:	Pace Analytical - Bakersfield	SDG:	2213551
Client:	Ahtna Global, LLC $AHTT	Project:	Former USDB Lompoc
Lab File ID:	14JUN30.D	Injection Date:	06/14/22
Instrument ID:	MS-V5	Injection Time:	17:05
Sequence:	2211065	Lab Sample ID:	2211065-TUN2

m/z	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
Mass 50	15 - 40% of Mass 95	16.6	PASS
Mass 75	30 - 60% of Mass 95	38.9	PASS
Mass 95	Base peak, 100% relative abundance	100	PASS
Mass 96	5 - 9% of Mass 95	6.7	PASS
Mass 173	Less than 2% of Mass 174	0	PASS
Mass 174	50 - 100% of Mass 95	75.5	PASS
Mass 175	5 - 9% of Mass 174	7.29	PASS
Mass 176	95 - 101% of Mass 174	96.1	PASS
Mass 177	5 - 9% of Mass 176	6.16	PASS

MASS SPECTROMETER INSTRUMENT PERFORMANCE CHECK

EPA-8260C

Laboratory:	Pace Analytical - Bakersfield	SDG:	2213551
Client:	Ahtna Global, LLC $AHTT	Project:	Former USDB Lompoc
Lab File ID:	10JUN07.D	Injection Date:	06/10/22
Instrument ID:	MS-V5	Injection Time:	09:26
Sequence:	2211076	Lab Sample ID:	2211076-TUN1

m/z	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
Mass 50	15 - 40% of Mass 95	17.1	PASS
Mass 75	30 - 60% of Mass 95	41.6	PASS
Mass 95	Base peak, 100% relative abundance	100	PASS
Mass 96	5 - 9% of Mass 95	7.95	PASS
Mass 173	Less than 2% of Mass 174	0.304	PASS
Mass 174	50 - 100% of Mass 95	83.9	PASS
Mass 175	5 - 9% of Mass 174	7.59	PASS
Mass 176	95 - 101% of Mass 174	96.9	PASS
Mass 177	5 - 9% of Mass 176	7.74	PASS

CONTINUING CALIBRATION CHECK
EPA-8260C

Laboratory: Pace Analytical - Bakersfield
Client: Ahtna Global, LLC $AHTT
Instrument ID: MS-V5
Lab File ID: 10JUN17.D
Sequence: 2211065
Lab Sample ID: 2211065-ICV1

SDG: 2213551
Project: Former USDB Lompoc
Calibration: 2206012
Calibration Date: 06/10/22 09:52
Injection Date: 06/10/22
Injection Time: 13:35

	(1)CAL	CONC. (ug/L)		RESPONSE FACTOR			% DIFF / DRIFT (2)	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Benzene	A	25.000	22.660	13.55037	12.28257		-9.4	20
Bromobenzene	A	25.000	23.920	1.207351	1.154974		-4.3	20
Bromodichloromethane	A	25.000	23.110	1.672582	1.546252		-7.6	20
Bromoform	A	25.000	25.190	0.3401672	0.3427487		0.8	20
Bromomethane	A	25.000	22.640	2.365791	2.142772		-9.4	20
Carbon tetrachloride	A	25.000	22.920	3.804348	3.487918		-8.3	20
Chlorobenzene	A	25.000	23.090	3.296526	3.044575		-7.6	20
Chloroethane	A	25.000	22.770	2.728657	2.485775		-8.9	20
Chloroform	A	25.000	22.190	5.374099	4.769418		-11.3	20
Chloromethane	A	25.000	22.690	2.99852	2.721941		-9.2	20
Dibromochloromethane	A	25.000	23.810	0.9146643	0.8711235		-4.8	20
Dibromomethane	A	25.000	23.290	0.5301919	0.4938776		-6.8	20
1,2-Dichlorobenzene	A	25.000	23.030	1.89927	1.749585		-7.9	20
1,3-Dichlorobenzene	A	25.000	23.400	2.240293	2.097095		-6.4	20
1,4-Dichlorobenzene	A	25.000	22.830	2.230876	2.037377		-8.7	20
Dichlorodifluoromethane	A	25.000	24.780	3.369582	3.340037		-0.9	20
1,1-Dichloroethane	A	25.000	22.560	6.025154	5.435901		-9.8	20
1,2-Dichloroethane	A	25.000	22.430	2.14979	1.928383		-10.3	20
1,1-Dichloroethene	A	25.000	21.570	4.768141	4.114475		-13.7	20
cis-1,2-Dichloroethene	A	25.000	21.620	3.823791	3.306827		-13.5	20
trans-1,2-Dichloroethene	A	25.000	21.770	3.723849	3.242191		-12.9	20
1,2-Dichloropropane	A	25.000	23.190	1.582537	1.467796		-7.3	20
cis-1,3-Dichloropropene	A	25.000	23.110	2.115023	1.955263		-7.6	20

CONTINUING CALIBRATION CHECK

EPA-8260C

Laboratory:	Pace Analytical - Bakersfield	SDG:	2213551
Client:	Ahtna Global, LLC $AHTT	Project:	Former USDB Lompoc
Instrument ID:	MS-V5	Calibration:	2206012
Lab File ID:	10JUN17.D	Calibration Date:	06/10/22 09:52
Sequence:	2211065	Injection Date:	06/10/22
Lab Sample ID:	2211065-ICV1	Injection Time:	13:35

	(1)CAL	CONC. (ug/L)		RESPONSE FACTOR			% DIFF / DRIFT (2)	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
trans-1,3-Dichloropropene	A	25.000	23.010	1.485353	1.367299		-7.9	20
Ethylbenzene	A	25.000	22.860	2.024768	1.851379		-8.6	20
Methylene chloride	L	25.000	23.590	3.363216	2.704214		-5.6	20
1,1,1,2-Tetrachloroethane	A	25.000	22.260	1.081012	0.962464		-11.0	20
1,1,2,2-Tetrachloroethane	A	25.000	23.400	0.5993942	0.5609451		-6.4	20
Tetrachloroethene	A	25.000	24.360	1.941525	1.891457		-2.6	20
Toluene	A	25.000	23.980	4.33587	4.159758		-4.1	20
1,1,1-Trichloroethane	A	25.000	22.870	5.072524	4.640529		-8.5	20
1,1,2-Trichloroethane	A	25.000	23.070	0.8445313	0.7794609		-7.7	20
Trichloroethene	A	25.000	24.480	1.793874	1.756209		-2.1	20
Trichlorofluoromethane	A	25.000	24.010	4.707632	4.521662		-4.0	20
1,1,2-Trichloro-1,2,2-trifluoroethane	A	25.000	25.240	2.968754	2.99671		0.9	20
Vinyl chloride	A	25.000	23.170	2.775099	2.572139		-7.3	20
p- & m-Xylenes	A	50.000	45.130	2.361454	2.131558		-9.7	20
o-Xylene	A	25.000	22.990	2.288276	2.104233		-8.0	20

Column to be used to flag Response Factor and %Diff/Drift values with an asterisk

* Values outside of QC limits for beginning CCVs. For ending CCVs, limit is 50.

(1): Cal Type (Calibration Type): A = Average; L = Linear Regression; Q = Quadratic Regression

(2): % Diff (of Response Factors) reported when Cal Type = A; %Drift (of Conc) reported when Cal Type = L or Q

CONTINUING CALIBRATION CHECK

EPA-8260C

Laboratory:	Pace Analytical - Bakersfield	SDG:	2213551
Client:	Ahtna Global, LLC $AHTT	Project:	Former USDB Lompoc
Instrument ID:	MS-V5	Calibration:	2206012
Lab File ID:	10JUN29.D	Calibration Date:	06/10/22 09:52
Sequence:	2211065	Injection Date:	06/10/22
Lab Sample ID:	2211065-ICV2	Injection Time:	18:36

	(1)CAL	CONC. (ug/L)		RESPONSE FACTOR			% DIFF / DRIFT (2)	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Acetone	A	320.00	288.15	0.2073988	0.1867548		-10.0	20

Column to be used to flag Response Factor and %Diff/Drift values with an asterisk

* Values outside of QC limits for beginning CCVs. For ending CCVs, limit is 50.

(1): Cal Type (Calibration Type): A = Average; L = Linear Regression; Q = Quadratic Regression

(2): % Diff (of Response Factors) reported when Cal Type = A; %Drift (of Conc) reported when Cal Type = L or Q

CONTINUING CALIBRATION CHECK

EPA-8260C

Laboratory: Pace Analytical - Bakersfield
Client: Ahtna Global, LLC $AHTT
Instrument ID: MS-V5
Lab File ID: 14JUN02.D
Sequence: 2211065
Lab Sample ID: 2211065-CCV1

SDG: 2213551
Project: Former USDB Lompoc
Calibration: 2206012
Calibration Date: 06/10/22 09:52
Injection Date: 06/14/22
Injection Time: 05:38

	(1)CAL	CONC. (ug/L)		RESPONSE FACTOR			% DIFF / DRIFT (2)	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Benzene	A	25.000	25.220	13.55037	13.66944		0.9	20
Bromobenzene	A	25.000	23.040	1.207351	1.112619		-7.8	20
Bromodichloromethane	A	25.000	23.150	1.672582	1.548781		-7.4	20
Bromoform	A	25.000	21.440	0.3401672	0.2917488		-14.2	20
Bromomethane	A	25.000	19.620	2.365791	1.856549		-21.5	20 *
Carbon tetrachloride	A	25.000	21.890	3.804348	3.330507		-12.5	20
Chlorobenzene	A	25.000	23.580	3.296526	3.109031		-5.7	20
Chloroethane	A	25.000	25.980	2.728657	2.83567		3.9	20
Chloroform	A	25.000	24.500	5.374099	5.267515		-2.0	20
Chloromethane	A	25.000	21.300	2.99852	2.555074		-14.8	20
Dibromochloromethane	A	25.000	22.510	0.9146643	0.8236231		-10.0	20
Dibromomethane	A	25.000	24.130	0.5301919	0.511711		-3.5	20
1,2-Dichlorobenzene	A	25.000	23.990	1.89927	1.822748		-4.0	20
1,3-Dichlorobenzene	A	25.000	23.360	2.240293	2.093738		-6.5	20
1,4-Dichlorobenzene	A	25.000	23.620	2.230876	2.107445		-5.5	20
Dichlorodifluoromethane	A	25.000	26.170	3.369582	3.527217		4.7	20
1,1-Dichloroethane	A	25.000	25.860	6.025154	6.232647		3.4	20
1,2-Dichloroethane	A	25.000	24.020	2.14979	2.06557		-3.9	20
1,1-Dichloroethene	A	25.000	25.490	4.768141	4.862166		2.0	20
cis-1,2-Dichloroethene	A	25.000	24.990	3.823791	3.821503		-0.06	20
trans-1,2-Dichloroethene	A	25.000	25.370	3.723849	3.778749		1.5	20
1,2-Dichloropropane	A	25.000	24.810	1.582537	1.570643		-0.8	20
cis-1,3-Dichloropropene	A	25.000	24.150	2.115023	2.043273		-3.4	20

CONTINUING CALIBRATION CHECK

EPA-8260C

Laboratory: Pace Analytical - Bakersfield
SDG: 2213551
Client: Ahtna Global, LLC $AHTT
Project: Former USDB Lompoc
Instrument ID: MS-V5
Calibration: 2206012
Lab File ID: 14JUN02.D
Calibration Date: 06/10/22 09:52
Sequence: 2211065
Injection Date: 06/14/22
Lab Sample ID: 2211065-CCV1
Injection Time: 05:38

COMPOUND	(1)CAL TYPE	CONC. (ug/L) STD	CCV	RESPONSE FACTOR ICAL	CCV	MIN (#)	% DIFF / DRIFT (2) CCV	LIMIT (#)
trans-1,3-Dichloropropene	A	25.000	23.170	1.485353	1.37685		-7.3	20
Ethylbenzene	A	25.000	24.000	2.024768	1.943955		-4.0	20
Methylene chloride	L	25.000	27.390	3.363216	3.133936		9.6	20
1,1,1,2-Tetrachloroethane	A	25.000	21.880	1.081012	0.9458885		-12.5	20
1,1,2,2-Tetrachloroethane	A	25.000	25.670	0.5993942	0.6155397		2.7	20
Tetrachloroethene	A	25.000	22.470	1.941525	1.745396		-10.1	20
Toluene	A	25.000	23.970	4.33587	4.157865		-4.1	20
1,1,1-Trichloroethane	A	25.000	23.140	5.072524	4.696061		-7.4	20
1,1,2-Trichloroethane	A	25.000	24.080	0.8445313	0.8135259		-3.7	20
Trichloroethene	A	25.000	23.630	1.793874	1.695237		-5.5	20
Trichlorofluoromethane	A	25.000	23.790	4.707632	4.478878		-4.9	20
1,1,2-Trichloro-1,2,2-trifluoroethane	A	25.000	27.570	2.968754	3.273853		10.3	20
Vinyl chloride	A	25.000	23.050	2.775099	2.558543		-7.8	20
p- & m-Xylenes	A	50.000	46.480	2.361454	2.19526		-7.0	20
o-Xylene	A	25.000	23.950	2.288276	2.191862		-4.2	20

Column to be used to flag Response Factor and %Diff/Drift values with an asterisk

* Values outside of QC limits for beginning CCVs. For ending CCVs, limit is 50.

(1): Cal Type (Calibration Type): A = Average; L = Linear Regression; Q = Quadratic Regression

(2): % Diff (of Response Factors) reported when Cal Type = A; %Drift (of Conc) reported when Cal Type = L or Q

CONTINUING CALIBRATION CHECK

EPA-8260C

Laboratory: Pace Analytical - Bakersfield

Client: Ahtna Global, LLC $AHTT

Instrument ID: MS-V5

Lab File ID: 14JUN03.D

Sequence: 2211065

Lab Sample ID: 2211065-CCV2

SDG: 2213551

Project: Former USDB Lompoc

Calibration: 2206012

Calibration Date: 06/10/22 09:52

Injection Date: 06/14/22

Injection Time: 06:02

	(1)CAL	CONC. (ug/L)		RESPONSE FACTOR			% DIFF / DRIFT (2)	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Acetone	A	320.00	315.23	0.2073988	0.2043096		-1.5	20

Column to be used to flag Response Factor and %Diff/Drift values with an asterisk

* Values outside of QC limits for beginning CCVs. For ending CCVs, limit is 50.

(1): Cal Type (Calibration Type): A = Average; L = Linear Regression; Q = Quadratic Regression

(2): % Diff (of Response Factors) reported when Cal Type = A; %Drift (of Conc) reported when Cal Type = L or Q

CONTINUING CALIBRATION CHECK

EPA-8260C

Laboratory:	Pace Analytical - Bakersfield	SDG:	2213551
Client:	Ahtna Global, LLC $AHTT	Project:	Former USDB Lompoc
Instrument ID:	MS-V5	Calibration:	2206012
Lab File ID:	14JUN31.D	Calibration Date:	06/10/22 09:52
Sequence:	2211065	Injection Date:	06/14/22
Lab Sample ID:	2211065-CCV3	Injection Time:	17:30

COMPOUND	(1)CAL TYPE	CONC. (ug/L) STD	CCV	RESPONSE FACTOR ICAL	CCV	MIN (#)	% DIFF / DRIFT (2) CCV	LIMIT (#)
Benzene	A	25.000	26.370	13.55037	14.29223		5.5	50
Bromobenzene	A	25.000	23.880	1.207351	1.153066		-4.5	50
Bromodichloromethane	A	25.000	24.030	1.672582	1.607744		-3.9	50
Bromoform	A	25.000	21.320	0.3401672	0.2901389		-14.7	50
Bromomethane	A	25.000	16.780	2.365791	1.587718		-32.9	50
Carbon tetrachloride	A	25.000	22.070	3.804348	3.358389		-11.7	50
Chlorobenzene	A	25.000	24.240	3.296526	3.19645		-3.0	50
Chloroethane	A	25.000	27.910	2.728657	3.04638		11.6	50
Chloroform	A	25.000	25.570	5.374099	5.496222		2.3	50
Chloromethane	A	25.000	23.990	2.99852	2.8778		-4.0	50
Dibromochloromethane	A	25.000	22.610	0.9146643	0.8270791		-9.6	50
Dibromomethane	A	25.000	25.450	0.5301919	0.539691		1.8	50
1,2-Dichlorobenzene	A	25.000	24.810	1.89927	1.885211		-0.7	50
1,3-Dichlorobenzene	A	25.000	24.530	2.240293	2.198312		-1.9	50
1,4-Dichlorobenzene	A	25.000	24.460	2.230876	2.182276		-2.2	50
Dichlorodifluoromethane	A	25.000	26.560	3.369582	3.579769		6.2	50
1,1-Dichloroethane	A	25.000	27.410	6.025154	6.606522		9.6	50
1,2-Dichloroethane	A	25.000	25.610	2.14979	2.202142		2.4	50
1,1-Dichloroethene	A	25.000	27.010	4.768141	5.151255		8.0	50
cis-1,2-Dichloroethene	A	25.000	25.970	3.823791	3.971891		3.9	50
trans-1,2-Dichloroethene	A	25.000	26.360	3.723849	3.926072		5.4	50
1,2-Dichloropropane	A	25.000	26.190	1.582537	1.657785		4.8	50
cis-1,3-Dichloropropene	A	25.000	24.650	2.115023	2.08505		-1.4	50

CONTINUING CALIBRATION CHECK

EPA-8260C

Laboratory:	Pace Analytical - Bakersfield	SDG:	2213551
Client:	Ahtna Global, LLC $AHTT	Project:	Former USDB Lompoc
Instrument ID:	MS-V5	Calibration:	2206012
Lab File ID:	14JUN31.D	Calibration Date:	06/10/22 09:52
Sequence:	2211065	Injection Date:	06/14/22
Lab Sample ID:	2211065-CCV3	Injection Time:	17:30

COMPOUND	(1)CAL TYPE	CONC. (ug/L) STD	CCV	RESPONSE FACTOR ICAL	CCV	MIN (#)	% DIFF / DRIFT (2) CCV	LIMIT (#)
trans-1,3-Dichloropropene	A	25.000	23.470	1.485353	1.394696		-6.1	50
Ethylbenzene	A	25.000	24.830	2.024768	2.010824		-0.7	50
Methylene chloride	L	25.000	28.770	3.363216	3.289485		15.1	50
1,1,1,2-Tetrachloroethane	A	25.000	22.310	1.081012	0.9646472		-10.8	50
1,1,2,2-Tetrachloroethane	A	25.000	25.620	0.5993942	0.6142433		2.5	50
Tetrachloroethene	A	25.000	22.440	1.941525	1.742467		-10.3	50
Toluene	A	25.000	24.320	4.33587	4.218676		-2.7	50
1,1,1-Trichloroethane	A	25.000	23.910	5.072524	4.850971		-4.4	50
1,1,2-Trichloroethane	A	25.000	24.950	0.8445313	0.8427949		-0.2	50
Trichloroethene	A	25.000	25.240	1.793874	1.811267		1.0	50
Trichlorofluoromethane	A	25.000	24.670	4.707632	4.645951		-1.3	50
1,1,2-Trichloro-1,2,2-trifluoroethane	A	25.000	28.100	2.968754	3.336442		12.4	50
Vinyl chloride	A	25.000	25.210	2.775099	2.798339		0.8	50
p- & m-Xylenes	A	50.000	47.560	2.361454	2.246365		-4.9	50
o-Xylene	A	25.000	24.510	2.288276	2.243704		-1.9	50

Column to be used to flag Response Factor and %Diff/Drift values with an asterisk

* Values outside of QC limits for beginning CCVs. For ending CCVs, limit is 50.

(1): Cal Type (Calibration Type): A = Average; L = Linear Regression; Q = Quadratic Regression

(2): % Diff (of Response Factors) reported when Cal Type = A; %Drift (of Conc) reported when Cal Type = L or Q

CONTINUING CALIBRATION CHECK

EPA-8260C

Laboratory:	Pace Analytical - Bakersfield	SDG:	2213551
Client:	Ahtna Global, LLC $AHTT	Project:	Former USDB Lompoc
Instrument ID:	MS-V5	Calibration:	2206012
Lab File ID:	14JUN32.D	Calibration Date:	06/10/22 09:52
Sequence:	2211065	Injection Date:	06/14/22
Lab Sample ID:	2211065-CCV4	Injection Time:	17:54

	(1)CAL	CONC. (ug/L)		RESPONSE FACTOR			% DIFF / DRIFT (2)	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Acetone	A	320.00	340.26	0.2073988	0.2205266		6.3	50

Column to be used to flag Response Factor and %Diff/Drift values with an asterisk

* Values outside of QC limits for beginning CCVs. For ending CCVs, limit is 50.

(1): Cal Type (Calibration Type): A = Average; L = Linear Regression; Q = Quadratic Regression

(2): % Diff (of Response Factors) reported when Cal Type = A; %Drift (of Conc) reported when Cal Type = L or Q

SURROGATE STANDARD RECOVERY AND RT SUMMARY
EPA-8260C

Laboratory: Pace Analytical - Bakersfield
Client: Ahtna Global, LLC $AHTT
Sequence: 2211065
Matrix: Water
SDG: 2213551
Project: Former USDB Lompoc
Instrument: MS-V5
Calibration: 2206012

Surrogate Compound	Spike Level ug/L	% Recovery	Recovery Limits	RT	Calibration Mean RT	RT Diff	RT Diff Limit	Q
Initial Cal Check (2211065-ICV1)			Lab File ID: 10JUN17.D		Analyzed: 06/10/22 13:35			
1,2-Dichloroethane-d4 (Surrogate)	10.000	93.1	81 - 118	7.11	7.111667	-0.0017	+/-1.0	
Toluene-d8 (Surrogate)	10.000	103	89 - 112	8.75	8.753333	-0.0033	+/-1.0	
4-Bromofluorobenzene (Surrogate)	10.000	99.0	85 - 114	10.48	10.48	0.0000	+/-1.0	
Initial Cal Blank (2211065-ICB1)			Lab File ID: 10JUN19.D		Analyzed: 06/10/22 14:28			
1,2-Dichloroethane-d4 (Surrogate)	10.000	92.6	81 - 118	7.11	7.111667	-0.0017	+/-1.0	
Toluene-d8 (Surrogate)	10.000	103	89 - 112	8.76	8.753333	0.0067	+/-1.0	
4-Bromofluorobenzene (Surrogate)	10.000	98.0	85 - 114	10.48	10.48	0.0000	+/-1.0	
Calibration Check (2211065-CCV1)			Lab File ID: 14JUN02.D		Analyzed: 06/14/22 05:38			
1,2-Dichloroethane-d4 (Surrogate)	10.000	97.4	81 - 118	7.12	7.111667	0.0083	+/-1.0	
Toluene-d8 (Surrogate)	10.000	101	89 - 112	8.75	8.753333	-0.0033	+/-1.0	
4-Bromofluorobenzene (Surrogate)	10.000	97.2	85 - 114	10.48	10.48	0.0000	+/-1.0	
Calibration Blank (2211065-CCB1)			Lab File ID: 14JUN04.D		Analyzed: 06/14/22 06:27			
1,2-Dichloroethane-d4 (Surrogate)	10.000	96.6	81 - 118	7.11	7.111667	-0.0017	+/-1.0	
Toluene-d8 (Surrogate)	10.000	101	89 - 112	8.76	8.753333	0.0067	+/-1.0	
4-Bromofluorobenzene (Surrogate)	10.000	96.1	85 - 114	10.48	10.48	0.0000	+/-1.0	
Blank (B141807-BLK1)			Lab File ID: 14JUN05.D		Analyzed: 06/14/22 06:51			
1,2-Dichloroethane-d4 (Surrogate)	10.000	95.1	81 - 118	7.11	7.111667	-0.0017	+/-1.0	
Toluene-d8 (Surrogate)	10.000	102	89 - 112	8.76	8.753333	0.0067	+/-1.0	
4-Bromofluorobenzene (Surrogate)	10.000	97.6	85 - 114	10.48	10.48	0.0000	+/-1.0	
WRMW09A-0622-N (2213551-05)			Lab File ID: 14JUN06.D		Analyzed: 06/14/22 07:16			
1,2-Dichloroethane-d4 (Surrogate)	10.000	94.6	81 - 118	7.11	7.111667	-0.0017	+/-1.0	
Toluene-d8 (Surrogate)	10.000	102	89 - 112	8.76	8.753333	0.0067	+/-1.0	
4-Bromofluorobenzene (Surrogate)	10.000	94.9	85 - 114	10.48	10.48	0.0000	+/-1.0	
LCS (B141807-BS1)			Lab File ID: 14JUN07.D		Analyzed: 06/14/22 07:40			
1,2-Dichloroethane-d4 (Surrogate)	10.000	97.7	81 - 118	7.11	7.111667	-0.0017	+/-1.0	
Toluene-d8 (Surrogate)	10.000	105	89 - 112	8.76	8.753333	0.0067	+/-1.0	
4-Bromofluorobenzene (Surrogate)	10.000	97.9	85 - 114	10.48	10.48	0.0000	+/-1.0	

SURROGATE STANDARD RECOVERY AND RT SUMMARY

EPA-8260C

Laboratory:	Pace Analytical - Bakersfield	SDG:	2213551
Client:	Ahtna Global, LLC $AHTT	Project:	Former USDB Lompoc
Sequence:	2211065	Instrument:	MS-V5
Matrix:	Water	Calibration:	2206012

Surrogate Compound	Spike Level ug/L	% Recovery	Recovery Limits	RT	Calibration Mean RT	RT Diff	RT Diff Limit	Q
LCS Dup (B141807-BSD1)			Lab File ID: 14JUN08.D		Analyzed: 06/14/22 08:04			
1,2-Dichloroethane-d4 (Surrogate)	10.000	96.5	81 - 118	7.11	7.111667	-0.0017	+/-1.0	
Toluene-d8 (Surrogate)	10.000	103	89 - 112	8.76	8.753333	0.0067	+/-1.0	
4-Bromofluorobenzene (Surrogate)	10.000	96.0	85 - 114	10.48	10.48	0.0000	+/-1.0	
Matrix Spike (B141807-MS1)			Lab File ID: 14JUN09.D		Analyzed: 06/14/22 08:29			
1,2-Dichloroethane-d4 (Surrogate)	10.000	92.8	81 - 118	7.11	7.111667	-0.0017	+/-1.0	
Toluene-d8 (Surrogate)	10.000	103	89 - 112	8.75	8.753333	-0.0033	+/-1.0	
4-Bromofluorobenzene (Surrogate)	10.000	100	85 - 114	10.47	10.48	-0.0100	+/-1.0	
Matrix Spike Dup (B141807-MSD1)			Lab File ID: 14JUN10.D		Analyzed: 06/14/22 08:53			
1,2-Dichloroethane-d4 (Surrogate)	10.000	98.0	81 - 118	7.11	7.111667	-0.0017	+/-1.0	
Toluene-d8 (Surrogate)	10.000	104	89 - 112	8.76	8.753333	0.0067	+/-1.0	
4-Bromofluorobenzene (Surrogate)	10.000	99.0	85 - 114	10.47	10.48	-0.0100	+/-1.0	
TB-0622-01 (2213551-10)			Lab File ID: 14JUN13.D		Analyzed: 06/14/22 10:06			
1,2-Dichloroethane-d4 (Surrogate)	10.000	99.2	81 - 118	7.11	7.111667	-0.0017	+/-1.0	
Toluene-d8 (Surrogate)	10.000	102	89 - 112	8.76	8.753333	0.0067	+/-1.0	
4-Bromofluorobenzene (Surrogate)	10.000	99.0	85 - 114	10.48	10.48	0.0000	+/-1.0	
WRMW04A-0622-N (2213551-01)			Lab File ID: 14JUN14.D		Analyzed: 06/14/22 10:31			
1,2-Dichloroethane-d4 (Surrogate)	10.000	98.4	81 - 118	7.11	7.111667	-0.0017	+/-1.0	
Toluene-d8 (Surrogate)	10.000	101	89 - 112	8.76	8.753333	0.0067	+/-1.0	
4-Bromofluorobenzene (Surrogate)	10.000	97.4	85 - 114	10.48	10.48	0.0000	+/-1.0	
WRMW05A-0622-N (2213551-02)			Lab File ID: 14JUN15.D		Analyzed: 06/14/22 10:55			
1,2-Dichloroethane-d4 (Surrogate)	10.000	97.7	81 - 118	7.11	7.111667	-0.0017	+/-1.0	
Toluene-d8 (Surrogate)	10.000	104	89 - 112	8.76	8.753333	0.0067	+/-1.0	
4-Bromofluorobenzene (Surrogate)	10.000	98.3	85 - 114	10.48	10.48	0.0000	+/-1.0	
WRMW08A-0622-N (2213551-03)			Lab File ID: 14JUN16.D		Analyzed: 06/14/22 11:20			
1,2-Dichloroethane-d4 (Surrogate)	10.000	95.5	81 - 118	7.12	7.111667	0.0083	+/-1.0	
Toluene-d8 (Surrogate)	10.000	101	89 - 112	8.75	8.753333	-0.0033	+/-1.0	
4-Bromofluorobenzene (Surrogate)	10.000	93.4	85 - 114	10.48	10.48	0.0000	+/-1.0	

SURROGATE STANDARD RECOVERY AND RT SUMMARY
EPA-8260C

Laboratory:	Pace Analytical - Bakersfield	SDG:	2213551
Client:	Ahtna Global, LLC $AHTT	Project:	Former USDB Lompoc
Sequence:	2211065	Instrument:	MS-V5
Matrix:	Water	Calibration:	2206012

Surrogate Compound	Spike Level ug/L	% Recovery	Recovery Limits	RT	Calibration Mean RT	RT Diff	RT Diff Limit	Q
WRMW08A-0622-D (2213551-04)			Lab File ID: 14JUN17.D		Analyzed: 06/14/22 11:45			
1,2-Dichloroethane-d4 (Surrogate)	10.000	98.7	81 - 118	7.11	7.111667	-0.0017	+/-1.0	
Toluene-d8 (Surrogate)	10.000	101	89 - 112	8.75	8.753333	-0.0033	+/-1.0	
4-Bromofluorobenzene (Surrogate)	10.000	94.9	85 - 114	10.47	10.48	-0.0100	+/-1.0	
WRMW10A-0622-N (2213551-06)			Lab File ID: 14JUN18.D		Analyzed: 06/14/22 12:09			
1,2-Dichloroethane-d4 (Surrogate)	10.000	94.1	81 - 118	7.11	7.111667	-0.0017	+/-1.0	
Toluene-d8 (Surrogate)	10.000	102	89 - 112	8.76	8.753333	0.0067	+/-1.0	
4-Bromofluorobenzene (Surrogate)	10.000	95.5	85 - 114	10.48	10.48	0.0000	+/-1.0	
WRMW11A-0622-N (2213551-07)			Lab File ID: 14JUN19.D		Analyzed: 06/14/22 12:34			
1,2-Dichloroethane-d4 (Surrogate)	10.000	96.0	81 - 118	7.11	7.111667	-0.0017	+/-1.0	
Toluene-d8 (Surrogate)	10.000	102	89 - 112	8.76	8.753333	0.0067	+/-1.0	
4-Bromofluorobenzene (Surrogate)	10.000	93.6	85 - 114	10.48	10.48	0.0000	+/-1.0	
WRMW12A-0622-N (2213551-08)			Lab File ID: 14JUN20.D		Analyzed: 06/14/22 12:59			
1,2-Dichloroethane-d4 (Surrogate)	10.000	97.3	81 - 118	7.11	7.111667	-0.0017	+/-1.0	
Toluene-d8 (Surrogate)	10.000	103	89 - 112	8.75	8.753333	-0.0033	+/-1.0	
4-Bromofluorobenzene (Surrogate)	10.000	97.1	85 - 114	10.48	10.48	0.0000	+/-1.0	
FB-0622-01 (2213551-09)			Lab File ID: 14JUN21.D		Analyzed: 06/14/22 13:23			
1,2-Dichloroethane-d4 (Surrogate)	10.000	99.6	81 - 118	7.11	7.111667	-0.0017	+/-1.0	
Toluene-d8 (Surrogate)	10.000	99.5	89 - 112	8.76	8.753333	0.0067	+/-1.0	
4-Bromofluorobenzene (Surrogate)	10.000	97.2	85 - 114	10.48	10.48	0.0000	+/-1.0	
Calibration Check (2211065-CCV3)			Lab File ID: 14JUN31.D		Analyzed: 06/14/22 17:30			
1,2-Dichloroethane-d4 (Surrogate)	10.000	101	81 - 118	7.11	7.111667	-0.0017	+/-1.0	
Toluene-d8 (Surrogate)	10.000	101	89 - 112	8.75	8.753333	-0.0033	+/-1.0	
4-Bromofluorobenzene (Surrogate)	10.000	99.4	85 - 114	10.48	10.48	0.0000	+/-1.0	
Calibration Blank (2211065-CCB2)			Lab File ID: 14JUN33.D		Analyzed: 06/14/22 18:19			
1,2-Dichloroethane-d4 (Surrogate)	10.000	99.0	81 - 118	7.11	7.111667	-0.0017	+/-1.0	
Toluene-d8 (Surrogate)	10.000	98.7	89 - 112	8.76	8.753333	0.0067	+/-1.0	
4-Bromofluorobenzene (Surrogate)	10.000	98.2	85 - 114	10.48	10.48	0.0000	+/-1.0	

SURROGATE STANDARD RECOVERY AND RT SUMMARY
EPA-8260C

Laboratory:	Pace Analytical - Bakersfield	SDG:	2213551
Client:	Ahtna Global, LLC $AHTT	Project:	Former USDB Lompoc
Sequence:	2211076	Instrument:	MS-V5
Matrix:	Water	Calibration:	2206012

Surrogate Compound	Spike Level ug/L	% Recovery	Recovery Limits	RT	Calibration Mean RT	RT Diff	RT Diff Limit	Q
Cal Standard (2211076-CAL1)			Lab File ID: 10JUN08.D		Analyzed: 06/10/22 09:52			
1,2-Dichloroethane-d4 (Surrogate)	10.000	85.4		7.11	7.111667	-0.0017	+/-1.0	
Toluene-d8 (Surrogate)	10.000	106		8.76	8.753333	0.0067	+/-1.0	
4-Bromofluorobenzene (Surrogate)	10.000	96.6		10.48	10.48	0.0000	+/-1.0	
Cal Standard (2211076-CAL2)			Lab File ID: 10JUN10.D		Analyzed: 06/10/22 10:41			
1,2-Dichloroethane-d4 (Surrogate)	10.000	86.1		7.11	7.111667	-0.0017	+/-1.0	
Toluene-d8 (Surrogate)	10.000	108		8.75	8.753333	-0.0033	+/-1.0	
4-Bromofluorobenzene (Surrogate)	10.000	95.2		10.48	10.48	0.0000	+/-1.0	
Cal Standard (2211076-CAL3)			Lab File ID: 10JUN11.D		Analyzed: 06/10/22 11:06			
1,2-Dichloroethane-d4 (Surrogate)	10.000	83.1		7.11	7.111667	-0.0017	+/-1.0	
Toluene-d8 (Surrogate)	10.000	110		8.75	8.753333	-0.0033	+/-1.0	
4-Bromofluorobenzene (Surrogate)	10.000	95.8		10.48	10.48	0.0000	+/-1.0	
Cal Standard (2211076-CAL4)			Lab File ID: 10JUN12.D		Analyzed: 06/10/22 11:31			
1,2-Dichloroethane-d4 (Surrogate)	10.000	79.1		7.11	7.111667	-0.0017	+/-1.0	
Toluene-d8 (Surrogate)	10.000	111		8.75	8.753333	-0.0033	+/-1.0	
4-Bromofluorobenzene (Surrogate)	10.000	96.1		10.48	10.48	0.0000	+/-1.0	
Cal Standard (2211076-CAL5)			Lab File ID: 10JUN13.D		Analyzed: 06/10/22 11:56			
1,2-Dichloroethane-d4 (Surrogate)	10.000	79.5		7.11	7.111667	-0.0017	+/-1.0	
Toluene-d8 (Surrogate)	10.000	112		8.76	8.753333	0.0067	+/-1.0	
4-Bromofluorobenzene (Surrogate)	10.000	96.2		10.48	10.48	0.0000	+/-1.0	
Cal Standard (2211076-CAL6)			Lab File ID: 10JUN14.D		Analyzed: 06/10/22 12:21			
1,2-Dichloroethane-d4 (Surrogate)	10.000	81.2		7.12	7.111667	0.0083	+/-1.0	
Toluene-d8 (Surrogate)	10.000	110		8.75	8.753333	-0.0033	+/-1.0	
4-Bromofluorobenzene (Surrogate)	10.000	95.5		10.48	10.48	0.0000	+/-1.0	

INTERNAL STANDARD AREA AND RT SUMMARY

EPA-8260C

Laboratory:	Pace Analytical - Bakersfield	SDG:	2213551
Client:	Ahtna Global, LLC $AHTT	Project:	Former USDB Lompoc
Sequence:	2211065	Instrument:	MS-V5
Matrix:	Water	Calibration:	2206012

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
Initial Cal Check (2211065-ICV1)			Lab File ID: 10JUN17.D			Analyzed: 06/10/22 13:35			
Pentafluorobenzene (IS)	40795	6.79	38910	6.79	105	50 - 200	0.0000	+/-0.50	
Chlorobenzene-d5 (IS)	101657	9.76	93847	9.76	108	50 - 200	0.0000	+/-0.50	
1,4-Difluorobenzene (IS)	76751	7.56	71924	7.56	107	50 - 200	0.0000	+/-0.50	
Initial Cal Blank (2211065-ICB1)			Lab File ID: 10JUN19.D			Analyzed: 06/10/22 14:28			
Pentafluorobenzene (IS)	41676	6.79	38910	6.79	107	50 - 200	0.0000	+/-0.50	
Chlorobenzene-d5 (IS)	98555	9.75	93847	9.76	105	50 - 200	-0.0100	+/-0.50	
1,4-Difluorobenzene (IS)	75702	7.56	71924	7.56	105	50 - 200	0.0000	+/-0.50	
Initial Cal Check (2211065-ICV2)			Lab File ID: 10JUN29.D			Analyzed: 06/10/22 18:36			
Pentafluorobenzene (IS)	41725	6.79	38910	6.79	107	50 - 200	0.0000	+/-0.50	
Chlorobenzene-d5 (IS)	105937	9.76	93847	9.76	113	50 - 200	0.0000	+/-0.50	
1,4-Difluorobenzene (IS)	77034	7.56	71924	7.56	107	50 - 200	0.0000	+/-0.50	
Initial Cal Blank (2211065-ICB2)			Lab File ID: 10JUN31.D			Analyzed: 06/10/22 19:26			
Pentafluorobenzene (IS)	43767	6.79	38910	6.79	112	50 - 200	0.0000	+/-0.50	
Chlorobenzene-d5 (IS)	106813	9.75	93847	9.76	114	50 - 200	-0.0100	+/-0.50	
1,4-Difluorobenzene (IS)	82694	7.56	71924	7.56	115	50 - 200	0.0000	+/-0.50	
Calibration Check (2211065-CCV1)			Lab File ID: 14JUN02.D			Analyzed: 06/14/22 05:38			
Pentafluorobenzene (IS)	49352	6.79	38910	6.79	127	50 - 200	0.0000	+/-0.50	
Chlorobenzene-d5 (IS)	127969	9.76	93847	9.76	136	50 - 200	0.0000	+/-0.50	
1,4-Difluorobenzene (IS)	101494	7.56	71924	7.56	141	50 - 200	0.0000	+/-0.50	
Calibration Check (2211065-CCV2)			Lab File ID: 14JUN03.D			Analyzed: 06/14/22 06:02			
Pentafluorobenzene (IS)	49451	6.79	38910	6.79	127	50 - 200	0.0000	+/-0.50	
Chlorobenzene-d5 (IS)	130122	9.76	93847	9.76	139	50 - 200	0.0000	+/-0.50	
1,4-Difluorobenzene (IS)	95828	7.55	71924	7.56	133	50 - 200	-0.0100	+/-0.50	
Calibration Blank (2211065-CCB1)			Lab File ID: 14JUN04.D			Analyzed: 06/14/22 06:27			
Pentafluorobenzene (IS)	48938	6.79	38910	6.79	126	50 - 200	0.0000	+/-0.50	
Chlorobenzene-d5 (IS)	126333	9.76	93847	9.76	135	50 - 200	0.0000	+/-0.50	
1,4-Difluorobenzene (IS)	98564	7.56	71924	7.56	137	50 - 200	0.0000	+/-0.50	

Ahtna Global, LLC
110 W. 38th Ave, Suite 200A
Anchorage, ALASKA 99503

Reported: 6/22/2022 9:31:28AM
Project: Former USDB Lompoc
Project Number: 21044.006.01.000
Project Manager: Jessica Feduck

INTERNAL STANDARD AREA AND RT SUMMARY
EPA-8260C

Laboratory:	Pace Analytical - Bakersfield	SDG:	2213551
Client:	Ahtna Global, LLC $AHTT	Project:	Former USDB Lompoc
Sequence:	2211065	Instrument:	MS-V5
Matrix:	Water	Calibration:	2206012

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
Blank (B141807-BLK1)			Lab File ID: 14JUN05.D			Analyzed: 06/14/22 06:51			
Pentafluorobenzene (IS)	48514	6.79	38910	6.79	125	50 - 200	0.0000	+/-0.50	
Chlorobenzene-d5 (IS)	124832	9.76	93847	9.76	133	50 - 200	0.0000	+/-0.50	
1,4-Difluorobenzene (IS)	97563	7.56	71924	7.56	136	50 - 200	0.0000	+/-0.50	
WRMW09A-0622-N (2213551-05)			Lab File ID: 14JUN06.D			Analyzed: 06/14/22 07:16			
Pentafluorobenzene (IS)	48284	6.8	38910	6.79	124	50 - 200	0.0100	+/-0.50	
Chlorobenzene-d5 (IS)	124353	9.76	93847	9.76	133	50 - 200	0.0000	+/-0.50	
1,4-Difluorobenzene (IS)	98644	7.56	71924	7.56	137	50 - 200	0.0000	+/-0.50	
LCS (B141807-BS1)			Lab File ID: 14JUN07.D			Analyzed: 06/14/22 07:40			
Pentafluorobenzene (IS)	48400	6.79	38910	6.79	124	50 - 200	0.0000	+/-0.50	
Chlorobenzene-d5 (IS)	128818	9.76	93847	9.76	137	50 - 200	0.0000	+/-0.50	
1,4-Difluorobenzene (IS)	98158	7.56	71924	7.56	136	50 - 200	0.0000	+/-0.50	
LCS Dup (B141807-BSD1)			Lab File ID: 14JUN08.D			Analyzed: 06/14/22 08:04			
Pentafluorobenzene (IS)	51222	6.79	38910	6.79	132	50 - 200	0.0000	+/-0.50	
Chlorobenzene-d5 (IS)	133538	9.76	93847	9.76	142	50 - 200	0.0000	+/-0.50	
1,4-Difluorobenzene (IS)	100732	7.56	71924	7.56	140	50 - 200	0.0000	+/-0.50	
Matrix Spike (B141807-MS1)			Lab File ID: 14JUN09.D			Analyzed: 06/14/22 08:29			
Pentafluorobenzene (IS)	52671	6.79	38910	6.79	135	50 - 200	0.0000	+/-0.50	
Chlorobenzene-d5 (IS)	134257	9.76	93847	9.76	143	50 - 200	0.0000	+/-0.50	
1,4-Difluorobenzene (IS)	104601	7.55	71924	7.56	145	50 - 200	-0.0100	+/-0.50	
Matrix Spike Dup (B141807-MSD1)			Lab File ID: 14JUN10.D			Analyzed: 06/14/22 08:53			
Pentafluorobenzene (IS)	51558	6.79	38910	6.79	133	50 - 200	0.0000	+/-0.50	
Chlorobenzene-d5 (IS)	132368	9.76	93847	9.76	141	50 - 200	0.0000	+/-0.50	
1,4-Difluorobenzene (IS)	100216	7.56	71924	7.56	139	50 - 200	0.0000	+/-0.50	
TB-0622-01 (2213551-10)			Lab File ID: 14JUN13.D			Analyzed: 06/14/22 10:06			
Pentafluorobenzene (IS)	53267	6.79	38910	6.79	137	50 - 200	0.0000	+/-0.50	
Chlorobenzene-d5 (IS)	133369	9.76	93847	9.76	142	50 - 200	0.0000	+/-0.50	
1,4-Difluorobenzene (IS)	103305	7.56	71924	7.56	144	50 - 200	0.0000	+/-0.50	

INTERNAL STANDARD AREA AND RT SUMMARY
EPA-8260C

Laboratory:	Pace Analytical - Bakersfield	SDG:	2213551
Client:	Ahtna Global, LLC $AHTT	Project:	Former USDB Lompoc
Sequence:	2211065	Instrument:	MS-V5
Matrix:	Water	Calibration:	2206012

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
WRMW04A-0622-N (2213551-01)			Lab File ID: 14JUN14.D			Analyzed: 06/14/22 10:31			
Pentafluorobenzene (IS)	53530	6.79	38910	6.79	138	50 - 200	0.0000	+/-0.50	
Chlorobenzene-d5 (IS)	134787	9.75	93847	9.76	144	50 - 200	-0.0100	+/-0.50	
1,4-Difluorobenzene (IS)	106258	7.56	71924	7.56	148	50 - 200	0.0000	+/-0.50	
WRMW05A-0622-N (2213551-02)			Lab File ID: 14JUN15.D			Analyzed: 06/14/22 10:55			
Pentafluorobenzene (IS)	51542	6.79	38910	6.79	132	50 - 200	0.0000	+/-0.50	
Chlorobenzene-d5 (IS)	128687	9.76	93847	9.76	137	50 - 200	0.0000	+/-0.50	
1,4-Difluorobenzene (IS)	97720	7.56	71924	7.56	136	50 - 200	0.0000	+/-0.50	
WRMW08A-0622-N (2213551-03)			Lab File ID: 14JUN16.D			Analyzed: 06/14/22 11:20			
Pentafluorobenzene (IS)	54266	6.79	38910	6.79	139	50 - 200	0.0000	+/-0.50	
Chlorobenzene-d5 (IS)	140953	9.76	93847	9.76	150	50 - 200	0.0000	+/-0.50	
1,4-Difluorobenzene (IS)	108825	7.56	71924	7.56	151	50 - 200	0.0000	+/-0.50	
WRMW08A-0622-D (2213551-04)			Lab File ID: 14JUN17.D			Analyzed: 06/14/22 11:45			
Pentafluorobenzene (IS)	53273	6.79	38910	6.79	137	50 - 200	0.0000	+/-0.50	
Chlorobenzene-d5 (IS)	135738	9.76	93847	9.76	145	50 - 200	0.0000	+/-0.50	
1,4-Difluorobenzene (IS)	107693	7.55	71924	7.56	150	50 - 200	-0.0100	+/-0.50	
WRMW10A-0622-N (2213551-06)			Lab File ID: 14JUN18.D			Analyzed: 06/14/22 12:09			
Pentafluorobenzene (IS)	52142	6.79	38910	6.79	134	50 - 200	0.0000	+/-0.50	
Chlorobenzene-d5 (IS)	128661	9.76	93847	9.76	137	50 - 200	0.0000	+/-0.50	
1,4-Difluorobenzene (IS)	100503	7.56	71924	7.56	140	50 - 200	0.0000	+/-0.50	
WRMW11A-0622-N (2213551-07)			Lab File ID: 14JUN19.D			Analyzed: 06/14/22 12:34			
Pentafluorobenzene (IS)	51760	6.79	38910	6.79	133	50 - 200	0.0000	+/-0.50	
Chlorobenzene-d5 (IS)	134858	9.76	93847	9.76	144	50 - 200	0.0000	+/-0.50	
1,4-Difluorobenzene (IS)	105068	7.55	71924	7.56	146	50 - 200	-0.0100	+/-0.50	
WRMW12A-0622-N (2213551-08)			Lab File ID: 14JUN20.D			Analyzed: 06/14/22 12:59			
Pentafluorobenzene (IS)	53508	6.79	38910	6.79	138	50 - 200	0.0000	+/-0.50	
Chlorobenzene-d5 (IS)	134221	9.76	93847	9.76	143	50 - 200	0.0000	+/-0.50	
1,4-Difluorobenzene (IS)	105863	7.56	71924	7.56	147	50 - 200	0.0000	+/-0.50	

INTERNAL STANDARD AREA AND RT SUMMARY
EPA-8260C

Laboratory: Pace Analytical - Bakersfield
Client: Ahtna Global, LLC $AHTT
Sequence: 2211065
Matrix: Water
SDG: 2213551
Project: Former USDB Lompoc
Instrument: MS-V5
Calibration: 2206012

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
FB-0622-01 (2213551-09)			Lab File ID: 14JUN21.D			Analyzed: 06/14/22 13:23			
Pentafluorobenzene (IS)	49947	6.8	38910	6.79	128	50 - 200	0.0100	+/-0.50	
Chlorobenzene-d5 (IS)	128207	9.76	93847	9.76	137	50 - 200	0.0000	+/-0.50	
1,4-Difluorobenzene (IS)	102449	7.56	71924	7.56	142	50 - 200	0.0000	+/-0.50	
Calibration Check (2211065-CCV3)			Lab File ID: 14JUN31.D			Analyzed: 06/14/22 17:30			
Pentafluorobenzene (IS)	50319	6.79	38910	6.79	129	50 - 200	0.0000	+/-0.50	
Chlorobenzene-d5 (IS)	131486	9.76	93847	9.76	140	50 - 200	0.0000	+/-0.50	
1,4-Difluorobenzene (IS)	105321	7.55	71924	7.56	146	50 - 200	-0.0100	+/-0.50	
Calibration Check (2211065-CCV4)			Lab File ID: 14JUN32.D			Analyzed: 06/14/22 17:54			
Pentafluorobenzene (IS)	50783	6.79	38910	6.79	131	50 - 200	0.0000	+/-0.50	
Chlorobenzene-d5 (IS)	133933	9.76	93847	9.76	143	50 - 200	0.0000	+/-0.50	
1,4-Difluorobenzene (IS)	102307	7.56	71924	7.56	142	50 - 200	0.0000	+/-0.50	
Calibration Blank (2211065-CCB2)			Lab File ID: 14JUN33.D			Analyzed: 06/14/22 18:19			
Pentafluorobenzene (IS)	50327	6.79	38910	6.79	129	50 - 200	0.0000	+/-0.50	
Chlorobenzene-d5 (IS)	130255	9.76	93847	9.76	139	50 - 200	0.0000	+/-0.50	
1,4-Difluorobenzene (IS)	105534	7.56	71924	7.56	147	50 - 200	0.0000	+/-0.50	

INTERNAL STANDARD AREA AND RT SUMMARY
EPA-8260C

Laboratory:	Pace Analytical - Bakersfield	SDG:	2213551
Client:	Ahtna Global, LLC $AHTT	Project:	Former USDB Lompoc
Sequence:	2211076	Instrument:	MS-V5
Matrix:	Water	Calibration:	2206012

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
Cal Standard (2211076-CAL1)			Lab File ID: 10JUN08.D			Analyzed: 06/10/22 09:52			
Pentafluorobenzene (IS)	50179	6.79	38910	6.79	129	50 - 200	0.0000	+/-0.50	
Chlorobenzene-d5 (IS)	121182	9.76	93847	9.76	129	50 - 200	0.0000	+/-0.50	
1,4-Difluorobenzene (IS)	100959	7.56	71924	7.56	140	50 - 200	0.0000	+/-0.50	
Cal Standard (2211076-CAL2)			Lab File ID: 10JUN10.D			Analyzed: 06/10/22 10:41			
Pentafluorobenzene (IS)	43921	6.79	38910	6.79	113	50 - 200	0.0000	+/-0.50	
Chlorobenzene-d5 (IS)	110727	9.76	93847	9.76	118	50 - 200	0.0000	+/-0.50	
1,4-Difluorobenzene (IS)	88990	7.56	71924	7.56	124	50 - 200	0.0000	+/-0.50	
Cal Standard (2211076-CAL3)			Lab File ID: 10JUN11.D			Analyzed: 06/10/22 11:06			
Pentafluorobenzene (IS)	46673	6.79	38910	6.79	120	50 - 200	0.0000	+/-0.50	
Chlorobenzene-d5 (IS)	113250	9.76	93847	9.76	121	50 - 200	0.0000	+/-0.50	
1,4-Difluorobenzene (IS)	90750	7.56	71924	7.56	126	50 - 200	0.0000	+/-0.50	
Cal Standard (2211076-CAL4)			Lab File ID: 10JUN12.D			Analyzed: 06/10/22 11:31			
Pentafluorobenzene (IS)	36914	6.79	38910	6.79	95	50 - 200	0.0000	+/-0.50	
Chlorobenzene-d5 (IS)	89694	9.76	93847	9.76	96	50 - 200	0.0000	+/-0.50	
1,4-Difluorobenzene (IS)	70794	7.56	71924	7.56	98	50 - 200	0.0000	+/-0.50	
Cal Standard (2211076-CAL5)			Lab File ID: 10JUN13.D			Analyzed: 06/10/22 11:56			
Pentafluorobenzene (IS)	38910	6.79	38910	6.79	100	50 - 200	0.0000	+/-0.50	
Chlorobenzene-d5 (IS)	93847	9.76	93847	9.76	100	50 - 200	0.0000	+/-0.50	
1,4-Difluorobenzene (IS)	71924	7.56	71924	7.56	100	50 - 200	0.0000	+/-0.50	
Cal Standard (2211076-CAL6)			Lab File ID: 10JUN14.D			Analyzed: 06/10/22 12:21			
Pentafluorobenzene (IS)	37952	6.79	38910	6.79	98	50 - 200	0.0000	+/-0.50	
Chlorobenzene-d5 (IS)	97301	9.75	93847	9.76	104	50 - 200	-0.0100	+/-0.50	
1,4-Difluorobenzene (IS)	77083	7.56	71924	7.56	107	50 - 200	0.0000	+/-0.50	
Cal Standard (2211076-CAL7)			Lab File ID: 10JUN21.D			Analyzed: 06/10/22 15:18			
Pentafluorobenzene (IS)	40039	6.79	38910	6.79	103	50 - 200	0.0000	+/-0.50	
Chlorobenzene-d5 (IS)	97666	9.76	93847	9.76	104	50 - 200	0.0000	+/-0.50	
1,4-Difluorobenzene (IS)	75155	7.56	71924	7.56	104	50 - 200	0.0000	+/-0.50	

INTERNAL STANDARD AREA AND RT SUMMARY
EPA-8260C

Laboratory:	Pace Analytical - Bakersfield	SDG:	2213551
Client:	Ahtna Global, LLC $AHTT	Project:	Former USDB Lompoc
Sequence:	2211076	Instrument:	MS-V5
Matrix:	Water	Calibration:	2206012

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
Cal Standard (2211076-CAL8)			Lab File ID: 10JUN22.D			Analyzed: 06/10/22 15:43			
Pentafluorobenzene (IS)	39908	6.79	38910	6.79	103	50 - 200	0.0000	+/-0.50	
Chlorobenzene-d5 (IS)	104022	9.76	93847	9.76	111	50 - 200	0.0000	+/-0.50	
1,4-Difluorobenzene (IS)	76596	7.56	71924	7.56	106	50 - 200	0.0000	+/-0.50	
Cal Standard (2211076-CAL9)			Lab File ID: 10JUN23.D			Analyzed: 06/10/22 16:08			
Pentafluorobenzene (IS)	39604	6.79	38910	6.79	102	50 - 200	0.0000	+/-0.50	
Chlorobenzene-d5 (IS)	100197	9.76	93847	9.76	107	50 - 200	0.0000	+/-0.50	
1,4-Difluorobenzene (IS)	75956	7.56	71924	7.56	106	50 - 200	0.0000	+/-0.50	
Cal Standard (2211076-CALA)			Lab File ID: 10JUN24.D			Analyzed: 06/10/22 16:32			
Pentafluorobenzene (IS)	39993	6.79	38910	6.79	103	50 - 200	0.0000	+/-0.50	
Chlorobenzene-d5 (IS)	105118	9.76	93847	9.76	112	50 - 200	0.0000	+/-0.50	
1,4-Difluorobenzene (IS)	77182	7.56	71924	7.56	107	50 - 200	0.0000	+/-0.50	
Cal Standard (2211076-CALB)			Lab File ID: 10JUN25.D			Analyzed: 06/10/22 16:57			
Pentafluorobenzene (IS)	39566	6.79	38910	6.79	102	50 - 200	0.0000	+/-0.50	
Chlorobenzene-d5 (IS)	105758	9.76	93847	9.76	113	50 - 200	0.0000	+/-0.50	
1,4-Difluorobenzene (IS)	76988	7.55	71924	7.56	107	50 - 200	-0.0100	+/-0.50	
Cal Standard (2211076-CALC)			Lab File ID: 10JUN26.D			Analyzed: 06/10/22 17:22			
Pentafluorobenzene (IS)	39847	6.79	38910	6.79	102	50 - 200	0.0000	+/-0.50	
Chlorobenzene-d5 (IS)	105673	9.76	93847	9.76	113	50 - 200	0.0000	+/-0.50	
1,4-Difluorobenzene (IS)	77140	7.56	71924	7.56	107	50 - 200	0.0000	+/-0.50	

INITIAL CALIBRATION STANDARDS

EPA-8260C

Laboratory:	Pace Analytical - Bakersfield	SDG:	2213551
Client:	Ahtna Global, LLC $AHTT	Project:	Former USDB Lompoc
Sequence:	2211076	Instrument:	MS-V5
Calibration:	2206012		

Standard ID	Description	Lab Sample ID	Lab File ID	Analysis Date/Time
2C28037	8260 /524.2 V5 BFB 50NG	2211076-TUN1	10JUN07.D	06/10/22 09:26
2F10002	8260 B/524.2 V5 2210844-CAL1	2211076-CAL1	10JUN08.D	06/10/22 09:52
2F10003	8260 B/524.2 V5 2210844-CAL2	2211076-CAL2	10JUN10.D	06/10/22 10:41
2F10004	8260 B/524.2 V5 2210844-CAL3	2211076-CAL3	10JUN11.D	06/10/22 11:06
2F10005	8260 B/524.2 V5 2210844-CAL4	2211076-CAL4	10JUN12.D	06/10/22 11:31
2F10006	8260 B/524.2 V5 2210844-CAL5	2211076-CAL5	10JUN13.D	06/10/22 11:56
2F10007	8260 B/524.2 V5 2210844-CAL6	2211076-CAL6	10JUN14.D	06/10/22 12:21
2F10015	8260 B/524.2 V5 2210844-CAL7	2211076-CAL7	10JUN21.D	06/10/22 15:18
2F10016	8260 B/524.2 V5 2210844-CAL8	2211076-CAL8	10JUN22.D	06/10/22 15:43
2F10017	8260 B/524.2 V5 2210844-CAL9	2211076-CAL9	10JUN23.D	06/10/22 16:08
2F10018	8260 B/524.2 V5 2210844-CALA	2211076-CALA	10JUN24.D	06/10/22 16:32
2F10019	8260 B/524.2 V5 2210844-CALB	2211076-CALB	10JUN25.D	06/10/22 16:57
2F10020	8260 B/524.2 V5 2210844-CALC	2211076-CALC	10JUN26.D	06/10/22 17:22

Ahtna Global, LLC
110 W. 38th Ave, Suite 200A
Anchorage, ALASKA 99503

Reported: 6/22/2022 9:31:28AM
Project: Former USDB Lompoc
Project Number: 21044.006.01.000
Project Manager: Jessica Feduck

INITIAL CALIBRATION DATA

EPA-8260C

Laboratory:	Pace Analytical - Bakersfield	SDG:	2213551
Client:	Ahtna Global, LLC $AHTT	Project:	Former USDB Lompoc
Calibration:	2206012	Instrument:	MS-V5
Matrix:	Water	Calibration Date:	06/10/22 09:52

Compound	Level 01		Level 02		Level 03		Level 04		Level 05		Level 06	
	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF
Benzene	0.5	14.53038	1	15.75556	5	13.65466	10	12.97995	25	12.24693	50	12.13472
Bromobenzene	0.5	1.262399	1	1.317745	5	1.209784	10	1.172721	25	1.142558	50	1.138899
Bromodichloromethane	0.5	1.662655	1	1.735364	5	1.677157	10	1.663319	25	1.671637	50	1.625362
Bromoform	0.5	0.3345381	1	0.334697	5	0.3313024	10	0.3250942	25	0.348691	50	0.3666807
Bromomethane	0.5	2.482313	1	2.435054	5	2.294174	10	2.297665	25	2.252131	50	2.433411
Carbon tetrachloride	0.5	4.124435	1	4.17659	5	3.729265	10	3.643821	25	3.474942	50	3.677034
Chlorobenzene	0.5	3.417834	1	3.652768	5	3.368141	10	3.307568	25	3.113178	50	2.919668
Chloroethane	0.5	2.843421	1	3.144282	5	2.684379	10	2.601885	25	2.499121	50	2.598856
Chloroform	0.5	5.946711	1	6.057922	5	5.222034	10	5.019044	25	4.893395	50	5.105486
Chloromethane	0.5	3.309751	1	3.436397	5	2.901635	10	2.787018	25	2.722416	50	2.833906
Dibromochloromethane	0.5	0.8304361	1	0.9630296	5	0.9036474	10	0.9162076	25	0.9467382	50	0.927927
Dibromomethane	0.5	0.5358611	1	0.5559052	5	0.5259504	10	0.5173461	25	0.5312775	50	0.5148113
1,2-Dichlorobenzene	0.5	1.956891	1	1.998338	5	1.964503	10	1.894207	25	1.830008	50	1.751672
1,3-Dichlorobenzene	0.5	2.224093	1	2.537412	5	2.306278	10	2.272939	25	2.137074	50	1.963961
1,4-Dichlorobenzene	0.5	2.262382	1	2.475909	5	2.286393	10	2.226292	25	2.121086	50	2.013192
Dichlorodifluoromethane	0.5	3.351601	1	3.441862	5	3.496711	10	3.398629	25	3.204893	50	3.323798
1,1-Dichloroethane	0.5	5.981785	1	6.83887	5	6.08356	10	5.815328	25	5.601306	50	5.830075
1,2-Dichloroethane	0.5	2.152295	1	2.325767	5	2.116127	10	2.103511	25	2.053128	50	2.147913
1,1-Dichloroethene	0.5	4.769724	1	5.421097	5	4.801406	10	4.691716	25	4.404945	50	4.519957
cis-1,2-Dichloroethene	0.5	4.197772	1	4.557501	5	3.703212	10	3.553015	25	3.387715	50	3.543529
trans-1,2-Dichloroethene	0.5	4.310967	1	4.156781	5	3.637478	10	3.46584	25	3.334074	50	3.437953
1,2-Dichloropropane	0.5	1.485554	1	1.804023	5	1.615581	10	1.556163	25	1.562499	50	1.471401
cis-1,3-Dichloropropene	0.5	2.183659	1	2.245196	5	2.133025	10	2.087875	25	2.062138	50	1.978244
trans-1,3-Dichloropropene	0.5	1.567765	1	1.58501	5	1.438413	10	1.446394	25	1.459446	50	1.415088
Ethylbenzene	0.5	2.047829	1	2.287789	5	2.119364	10	2.029288	25	1.911511	50	1.752829

INITIAL CALIBRATION DATA

EPA-8260C

Laboratory: Pace Analytical - Bakersfield
Client: Ahtna Global, LLC $AHTT
Calibration: 2206012
Matrix: Water

SDG: 2213551
Project: Former USDB Lompoc
Instrument: MS-V5
Calibration Date: 06/10/22 09:52

Compound	Level 01		Level 02		Level 03		Level 04		Level 05		Level 06	
	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF
Methylene chloride	0.5	4.882122	1	3.741263	5	3.012363	10	2.876822	25	2.763053	50	2.903673
1,1,1,2-Tetrachloroethane	0.5	1.205625	1	1.193024	5	1.077687	10	1.050895	25	0.9994693	50	0.9593694
1,1,2,2-Tetrachloroethane	0.5	0.611807	1	0.6527766	5	0.6002472	10	0.5910317	25	0.5747184	50	0.5657845
Tetrachloroethene	0.5	1.985757	1	1.959209	5	1.988848	10	1.967342	25	1.926172	50	1.821823
Toluene	0.5	4.204281	1	4.912912	5	4.428893	10	4.38523	25	4.236778	50	3.847128
1,1,1-Trichloroethane	0.5	5.271927	1	5.817718	5	5.018319	10	4.82722	25	4.631683	50	4.868276
1,1,2-Trichloroethane	0.5	0.8777821	1	0.9186425	5	0.8284959	10	0.8178518	25	0.8199711	50	0.8044446
Trichloroethene	0.5	1.744867	1	1.89864	5	1.822788	10	1.792369	25	1.807558	50	1.697025
Trichlorofluoromethane	0.5	4.896072	1	4.925662	5	4.731386	10	4.612098	25	4.422945	50	4.657631
1,1,2-Trichloro-1,2,2-trifluoroethar	0.5	2.838239	1	2.879033	5	3.137403	10	3.0431	25	2.903963	50	3.010787
Vinyl chloride	0.5	2.898822	1	3.152023	5	2.776852	10	2.650864	25	2.524904	50	2.647128
Acetone												
p- & m-Xylenes	1	2.554917	2	2.720836	10	2.432583	20	2.361145	50	2.184164	100	1.915079
o-Xylene	0.5	2.447393	1	2.548701	5	2.344442	10	2.290621	25	2.118244	50	1.980253
1,2-Dichloroethane-d4 (Surrogate)	10	1.781861	10	1.797204	10	1.734536	10	1.650945	10	1.659059	10	1.694219
Toluene-d8 (Surrogate)	10	5.637378	10	5.728734	10	5.802281	10	5.863534	10	5.960569	10	5.828185
4-Bromofluorobenzene (Surrogate)	10	1.414905	10	1.394375	10	1.403073	10	1.407842	10	1.408218	10	1.39902

INITIAL CALIBRATION DATA (Continued)

EPA-8260C

Laboratory: Pace Analytical - Bakersfield
Client: Ahtna Global, LLC $AHTT
Calibration: 2206012
Matrix: Water

SDG: 2213551
Project: Former USDB Lompoc
Instrument: MS-V5
Calibration Date: 06/10/22 09:52

Compound	Level 07		Level 08		Level 09		Level 10		Level 11		Level 12	
	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF
Benzene												
Bromobenzene												
Bromodichloromethane												
Bromoform												
Bromomethane												
Carbon tetrachloride												
Chlorobenzene												
Chloroethane												
Chloroform												
Chloromethane												
Dibromochloromethane												
Dibromomethane												
1,2-Dichlorobenzene												
1,3-Dichlorobenzene												
1,4-Dichlorobenzene												
Dichlorodifluoromethane												
1,1-Dichloroethane												
1,2-Dichloroethane												
1,1-Dichloroethene												
cis-1,2-Dichloroethene												
trans-1,2-Dichloroethene												
1,2-Dichloropropane												
cis-1,3-Dichloropropene												
trans-1,3-Dichloropropene												
Ethylbenzene												

INITIAL CALIBRATION DATA (Continued)

EPA-8260C

Laboratory:	Pace Analytical - Bakersfield	SDG:	2213551
Client:	Ahtna Global, LLC $AHTT	Project:	Former USDB Lompoc
Calibration:	2206012	Instrument:	MS-V5
Matrix:	Water	Calibration Date:	06/10/22 09:52

Compound	Level 07		Level 08		Level 09		Level 10		Level 11		Level 12	
	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF
Methylene chloride												
1,1,1,2-Tetrachloroethane												
1,1,2,2-Tetrachloroethane												
Tetrachloroethene												
Toluene												
1,1,1-Trichloroethane												
1,1,2-Trichloroethane												
Trichloroethene												
Trichlorofluoromethane												
1,1,2-Trichloro-1,2,2-trifluoroethar												
Vinyl chloride												
Acetone	16	0.2547828	64	0.2017374	160	0.1983922	320	0.1959038	480	0.1977713	800	0.1958052
p- & m-Xylenes												
o-Xylene												
1,2-Dichloroethane-d4 (Surrogate)												
Toluene-d8 (Surrogate)												
4-Bromofluorobenzene (Surrogate)												

INITIAL CALIBRATION DATA (Continued)

EPA-8260C

Laboratory: Pace Analytical - Bakersfield
Client: Ahtna Global, LLC $AHTT
Calibration: 2206012
Matrix: Water

SDG: 2213551
Project: Former USDB Lompoc
Instrument: MS-V5
Calibration Date: 06/10/22 09:52

Compound	Mean RF	RF RSD	Mean RT	RT RSD	Linear COD	Quad COD	LIMIT	Q
Benzene	13.55037	10.36474	7.136667	7.385932E-02			15	
Bromobenzene	1.207351	5.892444	10.575	5.235964E-02			15	
Bromodichloromethane	1.672582	2.135276	8.215	6.576591E-02			15	
Bromoform	0.3401672	4.444756	10.28667	5.345758E-02			15	
Bromomethane	2.365791	4.03825	2.588333	0.1569385			15	
Carbon tetrachloride	3.804348	7.408122	6.918333	6.039188E-02			15	
Chlorobenzene	3.296526	7.704275	9.775	5.567984E-02			15	
Chloroethane	2.728657	8.57097	2.725	0.2009583			15	
Chloroform	5.374099	9.296124	6.56	1.298059E-02			15	
Chloromethane	2.99852	9.960949	2.06	1.898133E-02			15	
Dibromochloromethane	0.9146643	5.072235	9.373333	5.649546E-02			15	
Dibromomethane	0.5301919	2.815401	8.07	1.864174E-02			15	
1,2-Dichlorobenzene	1.89927	4.93907	11.37	1.889817E-02			15	
1,3-Dichlorobenzene	2.240293	8.492203	11.11	1.251905E-02			15	
1,4-Dichlorobenzene	2.230876	7.047072	11.16	1.791896E-02			15	
Dichlorodifluoromethane	3.369582	3.019863	1.86	1.680764E-02			15	
1,1-Dichloroethane	6.025154	7.154705	5.286667	9.912054E-02			15	
1,2-Dichloroethane	2.14979	4.343535	7.19	1.750117E-02			15	
1,1-Dichloroethene	4.768141	7.425627	3.72	1.680764E-02			15	
cis-1,2-Dichloroethene	3.823791	11.89708	6.105	8.839132E-02			15	
trans-1,2-Dichloroethene	3.723849	11.00571	4.718333	8.817617E-02			15	
1,2-Dichloropropane	1.582537	7.635355	7.996667	6.417855E-02			15	
cis-1,3-Dichloropropene	2.115023	4.446488	8.555	6.128848E-02			15	
trans-1,3-Dichloropropene	1.485353	4.859744	8.97	1.808052E-02			15	
Ethylbenzene	2.024768	8.984315	9.828333	4.216502E-02			15	
Methylene chloride	3.363216	24.45039	4.368333	9.378582E-02	0.999		0.99	

INITIAL CALIBRATION DATA (Continued)

EPA-8260C

Laboratory:	Pace Analytical - Bakersfield	SDG:	2213551
Client:	Ahtna Global, LLC $AHTT	Project:	Former USDB Lompoc
Calibration:	2206012	Instrument:	MS-V5
Matrix:	Water	Calibration Date:	06/10/22 09:52

Compound	Mean RF	RF RSD	Mean RT	RT RSD	Linear COD	Quad COD	LIMIT	Q
1,1,1,2-Tetrachloroethane	1.081012	9.291147	9.83	3.869106E-03			15	
1,1,2,2-Tetrachloroethane	0.5993942	5.176147	10.54167	3.827057E-02			15	
Tetrachloroethene	1.941525	3.236233	9.17	2.296036E-02			15	
Toluene	4.33587	8.056172	8.806667	5.526477E-02			15	
1,1,1-Trichloroethane	5.072524	8.337197	6.746667	7.661821E-02			15	
1,1,2-Trichloroethane	0.8445313	5.236068	9.11	1.784599E-02			15	
Trichloroethene	1.793874	3.84463	7.77	1.784319E-02			15	
Trichlorofluoromethane	4.707632	3.98857	3.05	8.942264E-03			15	
1,1,2-Trichloro-1,2,2-trifluoroethane	2.968754	3.841127	3.738333	0.1099273			15	
Vinyl chloride	2.775099	8.086415	2.195	0.2491115			15	
Acetone	0.2073988	11.241	3.776667	0.1368677			15	
p- & m-Xylenes	2.361454	12.01224	9.91	1.708728E-02			15	
o-Xylene	2.288276	9.168669	10.15	9.659715E-03			15	
1,2-Dichloroethane-d4 (Surrogate)	1.719637	3.598351	7.111667	5.557897E-02			15	
Toluene-d8 (Surrogate)	5.803447	1.919894	8.753333	5.820462E-02			15	
4-Bromofluorobenzene (Surrogate)	1.404572	0.5210057	10.48	7.57301E-03			15	

HOLDING TIME SUMMARY

EPA-8260C

Laboratory: Pace Analytical - Bakersfield

SDG: 2213551

Client: Ahtna Global, LLC $AHTT

Project: Former USDB Lompoc

Sample Name	Date Collected	Date Received	Date Prepared	Days to Prep	Max Days to Prep	Date Analyzed	Days to Analysis	Max Days to Analysis	Q
WRMW04A-0622-N	06/08/22 10:45	06/09/22 10:47	06/14/22 06:00	6.00	14.00	06/14/22 10:31	6.00	14.00	
WRMW05A-0622-N	06/08/22 10:30	06/09/22 10:47	06/14/22 06:00	6.00	14.00	06/14/22 10:55	6.00	14.00	
WRMW08A-0622-N	06/08/22 09:10	06/09/22 10:47	06/14/22 06:00	6.00	14.00	06/14/22 11:20	6.00	14.00	
WRMW08A-0622-D	06/08/22 09:15	06/09/22 10:47	06/14/22 06:00	6.00	14.00	06/14/22 11:45	6.00	14.00	
WRMW09A-0622-N	06/08/22 10:15	06/09/22 10:47	06/14/22 06:00	6.00	14.00	06/14/22 07:16	6.00	14.00	
WRMW10A-0622-N	06/08/22 11:00	06/09/22 10:47	06/14/22 06:00	6.00	14.00	06/14/22 12:09	6.00	14.00	
WRMW11A-0622-N	06/08/22 11:15	06/09/22 10:47	06/14/22 06:00	6.00	14.00	06/14/22 12:34	6.00	14.00	
WRMW12A-0622-N	06/08/22 11:25	06/09/22 10:47	06/14/22 06:00	6.00	14.00	06/14/22 12:59	6.00	14.00	
FB-0622-01	06/08/22 11:40	06/09/22 10:47	06/14/22 06:00	6.00	14.00	06/14/22 13:23	6.00	14.00	
TB-0622-01	06/08/22 11:35	06/09/22 10:47	06/14/22 06:00	6.00	14.00	06/14/22 10:06	6.00	14.00	

* Holding time not met

Note: If Prep or Analysis are performed within the hour (if holding time is based on hours) or within the day (if holding time is based on days), then the sample is not flagged as outside holding times. Calculated number of days are based on date received or date prepared depending on the test.

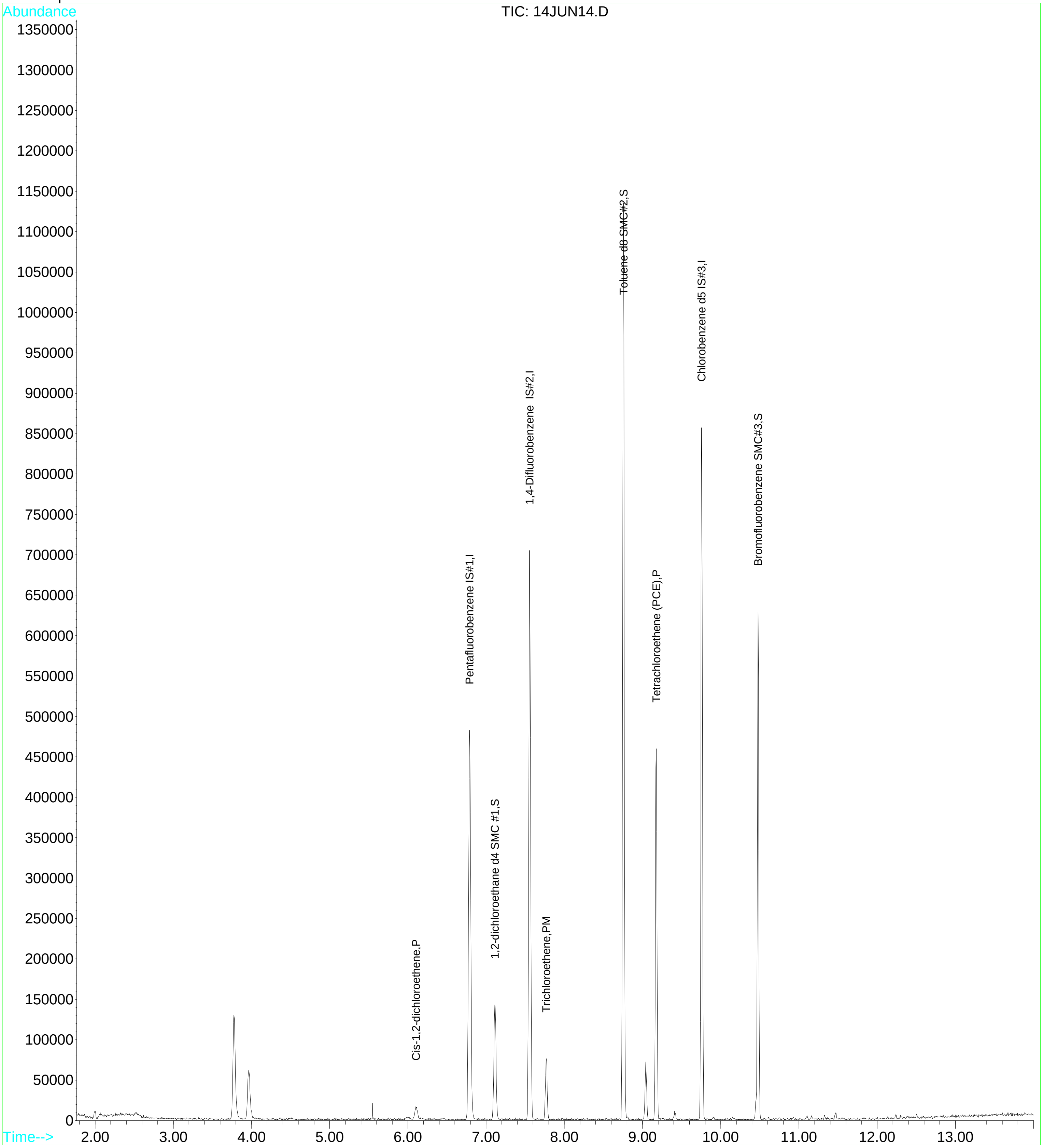
Raw Data From Instrument MS-V5

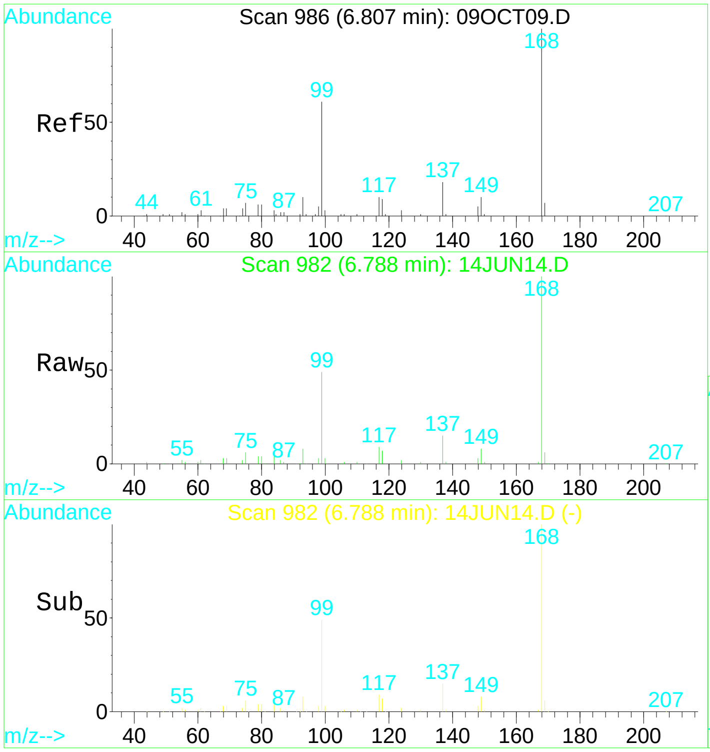
Raw Data - Samples

```
                             Quantitation Report    (QT Reviewed)

 Data File : D:\DATA\JUN2022C\JUN14\14JUN14.D            Vial: 14
 Acq On    : 14 Jun 2022  10:31 am                   Operator: MGC
 Sample    : 2213551-01                              Inst    : MS-V5
 Misc      : 1 ;25ML;pH=2                            Multiplr: 1.00
 MS Integration Params: rteint.p
  Quant Time: Jun 15  6:15 2022             Quant Results File: 82605C.RES

 Quant Method : C:\HPCHEM\1...\82605C.M (RTE Integrator)
 Title        : EPA Method  8260C/D
 Last Update  : Tue Jun 14 08:18:30 2022
 Response via : Initial Calibration
 DataAcq Meth : 82605

  Internal Standards                R.T. QIon  Response  Conc Units Dev(Min)
  -----------------------------------------------------------------------------
    1) Pentafluorobenzene IS#1      6.79  137    53530    10.00 ug/L   -0.02
   26) 1,4-Difluorobenzene  IS#2    7.56   63   106258    10.00 ug/L   -0.01
   41) Chlorobenzene d5 IS#3        9.75  119   134787    10.00 ug/L   -0.01

  System Monitoring Compounds
   23) 1,2-dichloroethane d4 SMC    7.11   65    90586     9.84 ug/L   -0.01
    Spiked Amount     10.000   Range  75 - 125    Recovery   =   98.40%
   33) Toluene d8 SMC#2             8.76   98   622476    10.09 ug/L   -0.01
    Spiked Amount     10.000   Range  80 - 120    Recovery   =  100.90%
   51) Bromofluorobenzene SMC#3    10.48   95   184466     9.74 ug/L   -0.01
    Spiked Amount     10.000   Range  80 - 120    Recovery   =   97.40%

  Target Compounds                                                  Qvalue
   17) Cis-1,2-dichloroethene       6.10   96    10711     0.52 ug/L #    85
   27) Trichloroethene              7.77  130    23781     1.25 ug/L      95
   37) Tetrachloroethene (PCE)      9.18  166   119527     5.79 ug/L      98

  ----------------------------------------------------------------------------
  (#) = qualifier out of range (m) = manual integration
```

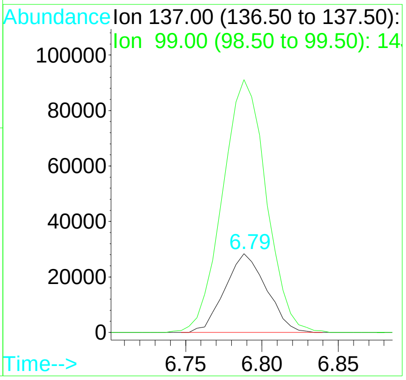
Quantitation Report

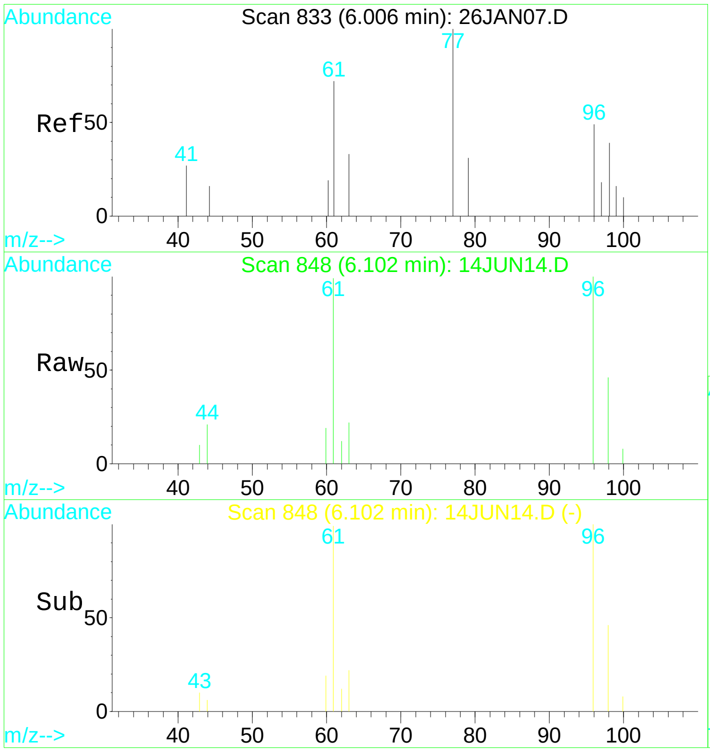
```
Data File : D:\DATA\JUN2022C\JUN14\14JUN14.D            Vial: 14
Acq On    : 14 Jun 2022  10:31 am                   Operator: MGC
Sample    : 2213551-01                              Inst    : MS-V5
Misc      : 1 ;25ML;pH=2                            Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jun 15  6:15 2022            Quant Results File: 82605C.RES

Method       : C:\HPCHEM\1\METHODS\C\202206\10-1156\82605C.M (RTE Integrator)
Title        : EPA Method  8260C/D
Last Update  : Tue Jun 14 08:18:30 2022
Response via : Initial Calibration
```



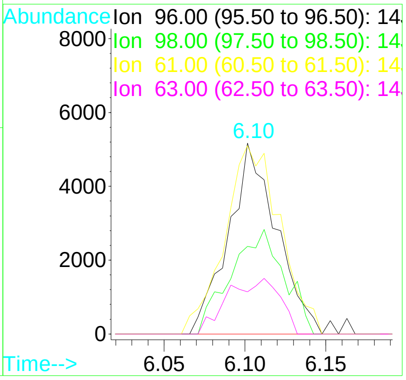


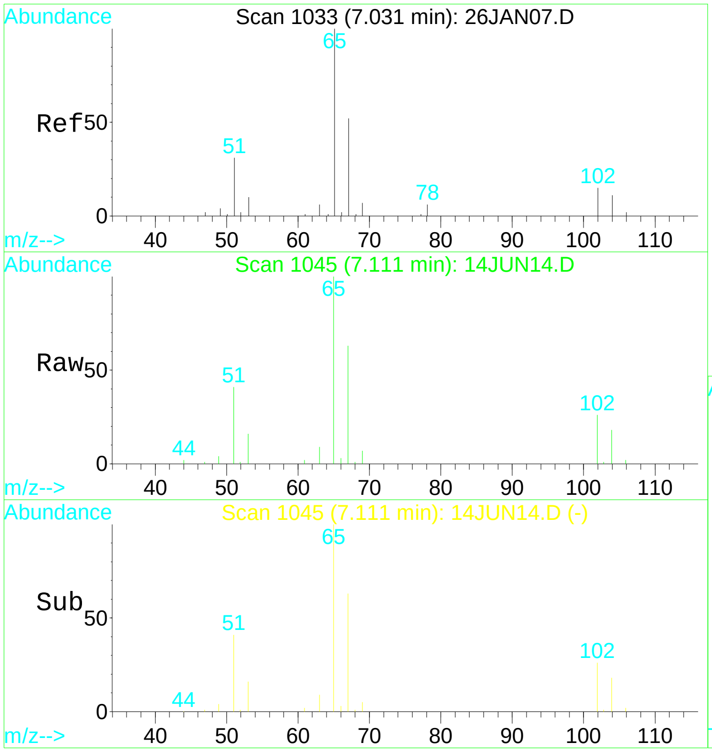
```
#1
Pentafluorobenzene IS#1
Concen:   10.00 ug/L
RT: 6.79 min  Scan# 982
Delta R.T.   -0.02 min
Lab File:   14JUN14.D
Acq: 14 Jun 2022  10:31 am

Tgt Ion:137 Resp:   53530
Ion  Ratio  Lower  Upper
137  100
 99  339.5  1352.1  2511.0#
```



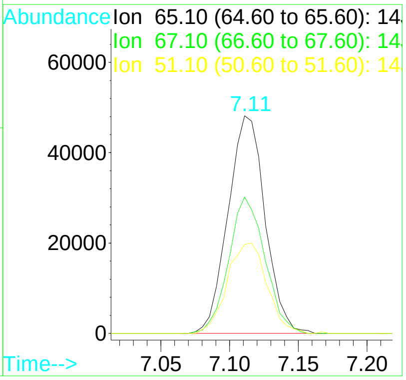


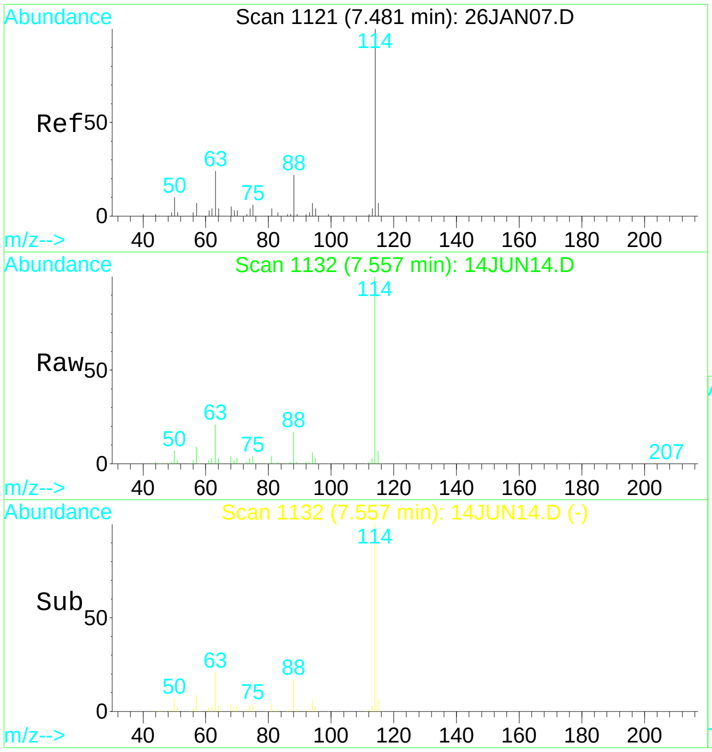
```
#17
Cis-1,2-dichloroethene
Concen:    0.52 ug/L
RT: 6.10 min  Scan# 848
Delta R.T.   -0.02 min
Lab File:   14JUN14.D
Acq: 14 Jun 2022  10:31 am

Tgt Ion: 96 Resp:   10711
Ion  Ratio  Lower  Upper
 96  100
 98   60.5   45.6   84.8
 61  113.6   94.5  175.5
 63   31.6   31.6   58.8#
```



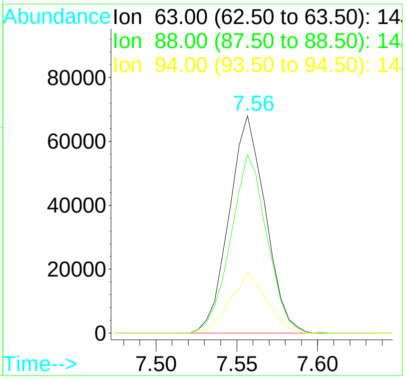


```
#23
1,2-dichloroethane d4 SMC #1
Concen:    N.D. ug/L
RT: 7.11 min  Scan# 1045
Delta R.T.   -0.01 min
Lab File:   14JUN14.D
Acq: 14 Jun 2022  10:31 am

Tgt Ion: 65 Resp:   90586
Ion  Ratio  Lower  Upper
 65  100
 67   61.3   41.2   76.4
 51   44.4  449.7  835.3#
```

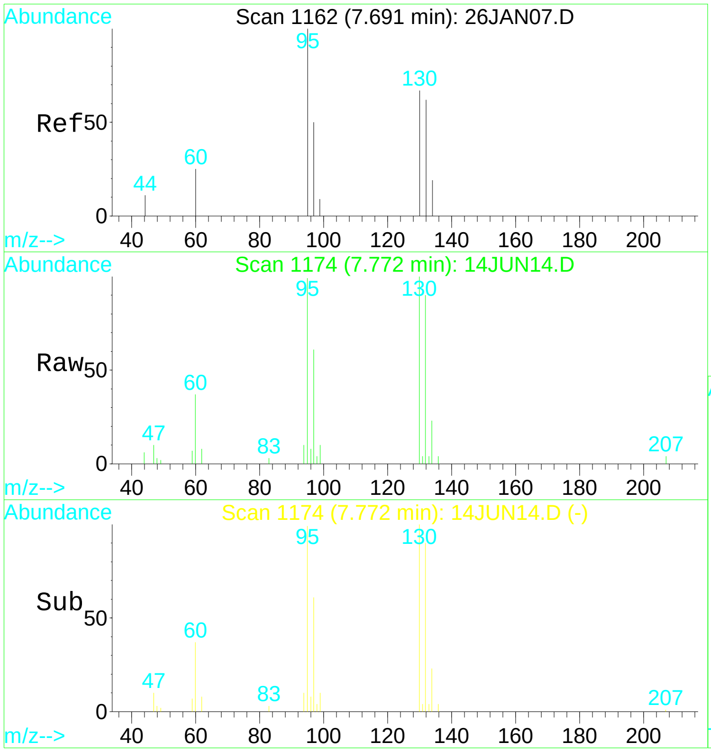


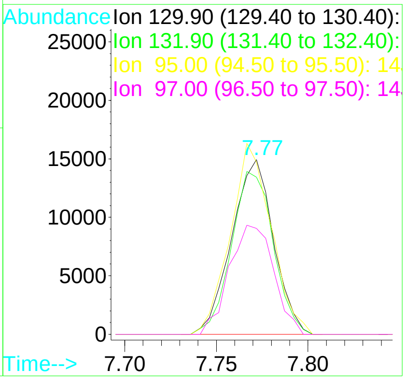


```
#26
1,4-Difluorobenzene  IS#2
Concen:   10.00 ug/L
RT: 7.56 min  Scan# 1132
Delta R.T.   -0.01 min
Lab File:   14JUN14.D
Acq: 14 Jun 2022  10:31 am

Tgt Ion: 63 Resp:  106258
Ion  Ratio  Lower  Upper
 63  100
 88   81.8   56.5  104.9
 94   27.9   19.0   35.4
```

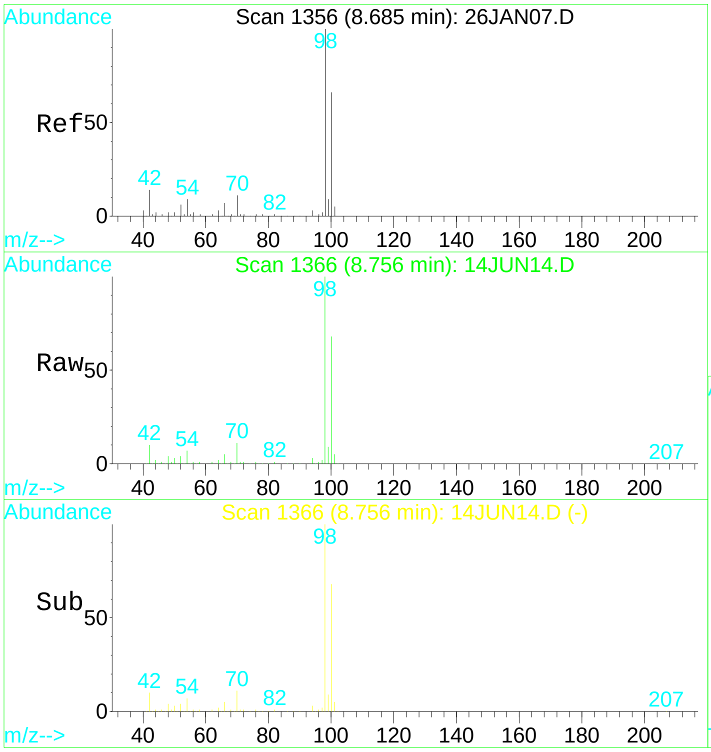


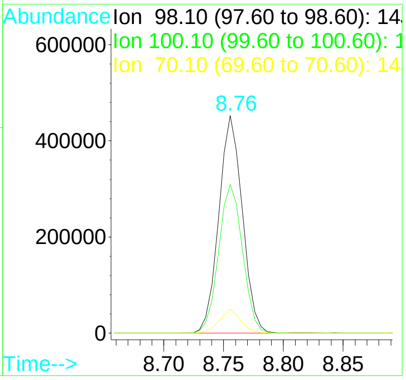
```
#27
Trichloroethene
Concen:    1.25 ug/L
RT: 7.77 min  Scan# 1174
Delta R.T.   -0.01 min
Lab File:   14JUN14.D
Acq: 14 Jun 2022  10:31 am

Tgt Ion:130 Resp:   23781
Ion  Ratio  Lower  Upper
130  100
132   92.9   67.8  126.0
 95  106.7   69.4  129.0
 97   66.0   45.4   84.4
```

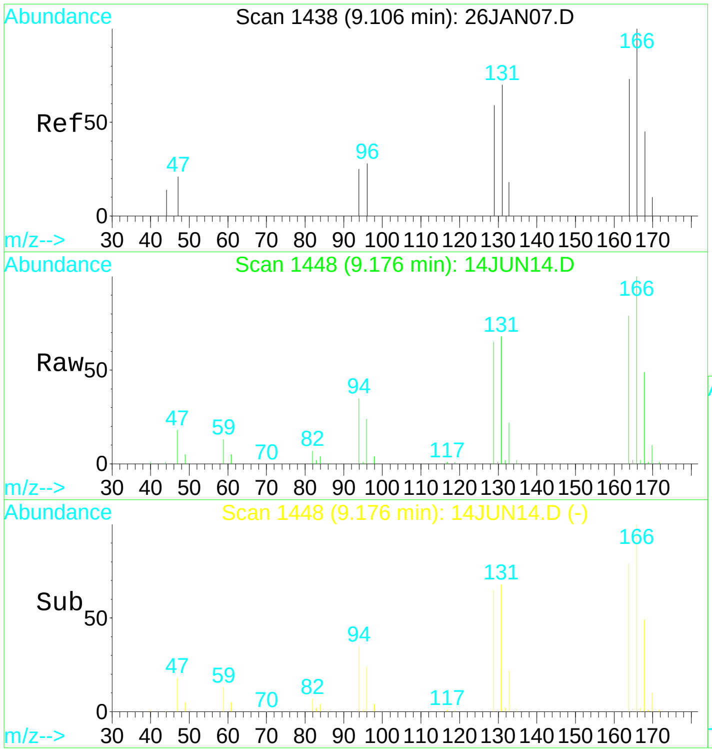




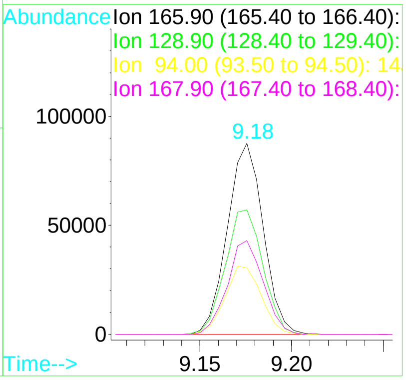
```
#33
Toluene d8 SMC#2
Concen:    N.D. ug/L
RT: 8.76 min  Scan# 1366
Delta R.T.   -0.01 min
Lab File:   14JUN14.D
Acq: 14 Jun 2022  10:31 am

Tgt Ion: 98 Resp:  622476
Ion  Ratio  Lower  Upper
 98  100
100   69.3   48.0   89.2
 70   10.0    7.1   13.3
```

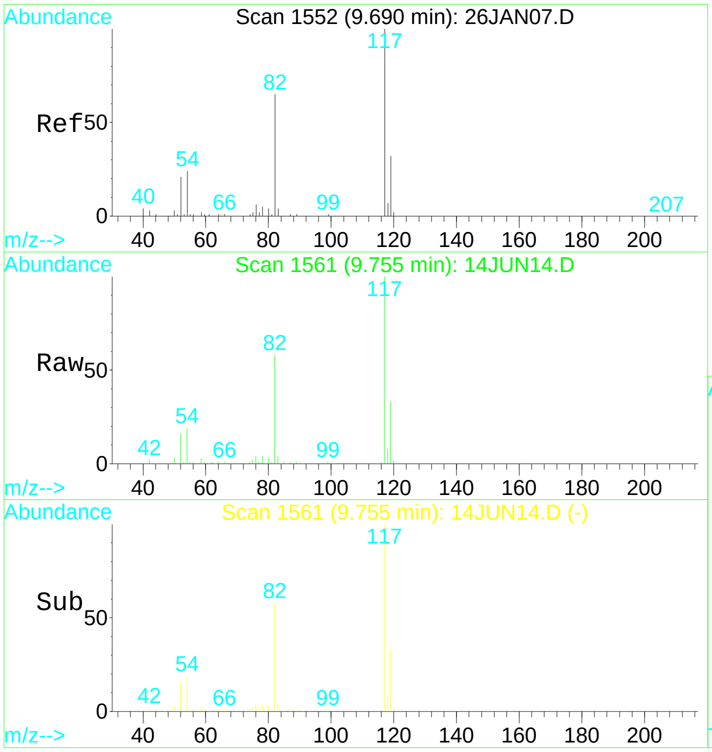




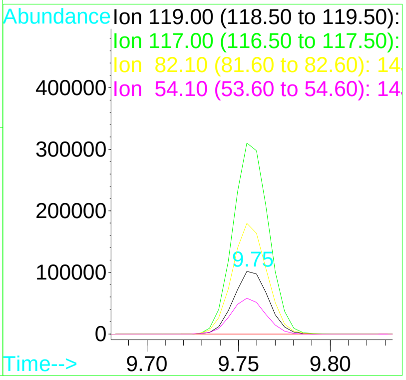


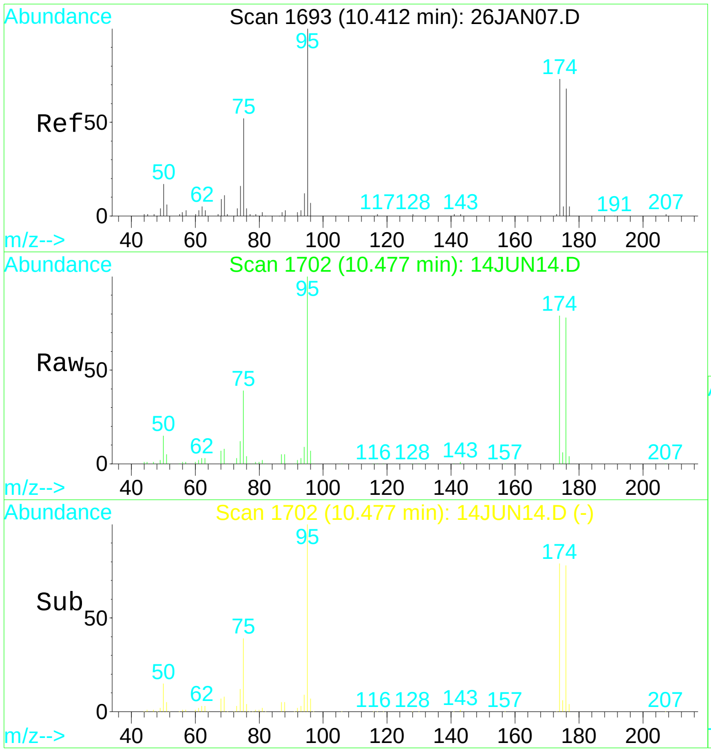
```
#37
Tetrachloroethene (PCE)
Concen:    5.79 ug/L
RT: 9.18 min  Scan# 1448
Delta R.T.   -0.01 min
Lab File:   14JUN14.D
Acq: 14 Jun 2022  10:31 am

Tgt Ion:166 Resp:  119527
Ion  Ratio  Lower   Upper
166  100
129   68.3   45.9    85.3
 94   36.1   24.3    45.1
168   49.1   34.1    63.3
```



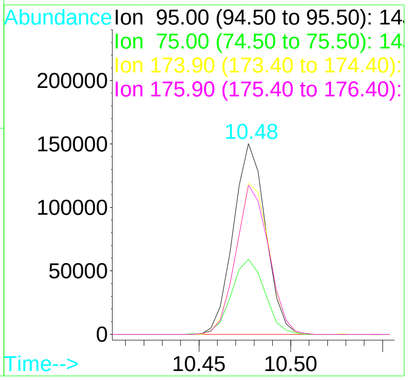


```
#41
Chlorobenzene d5 IS#3
Concen:   10.00 ug/L
RT: 9.75 min  Scan# 1561
Delta R.T.   -0.01 min
Lab File:   14JUN14.D
Acq: 14 Jun 2022  10:31 am

Tgt Ion:119 Resp:  134787
Ion  Ratio  Lower   Upper
119  100
117  311.9  214.1  397.7
 82  175.6  119.0  221.0
 54   56.6   42.1   78.1
```





```
#51
Bromofluorobenzene SMC#3
Concen:     N.D. ug/L
RT: 10.48 min   Scan# 1702
Delta R.T.    -0.01 min
Lab File:    14JUN14.D
Acq: 14 Jun 2022  10:31 am

Tgt Ion: 95 Resp:   184466
Ion   Ratio   Lower   Upper
 95   100
 75    40.3    28.3    52.5
174    81.1    61.7   114.7
176    79.2    59.2   110.0
```

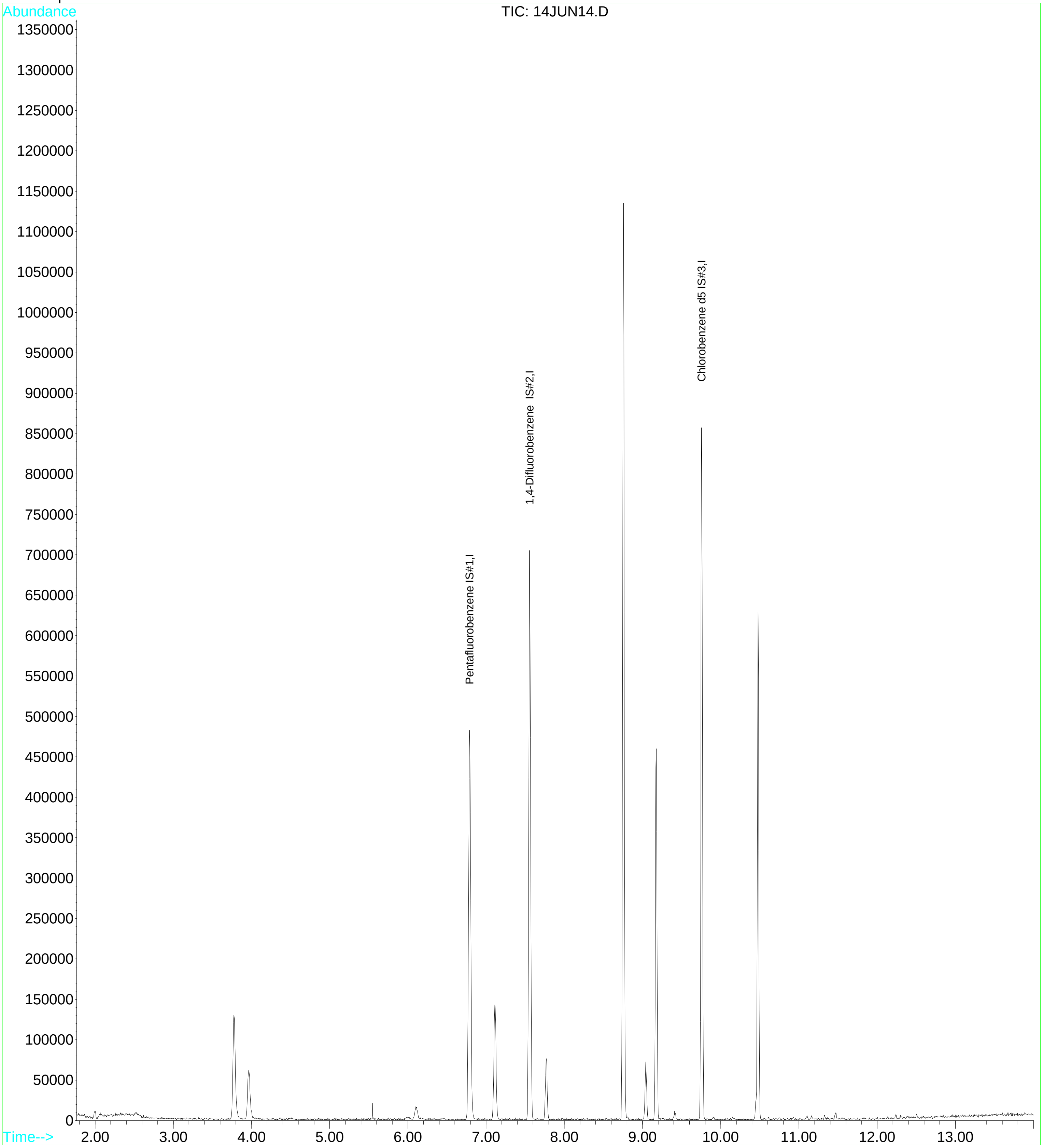


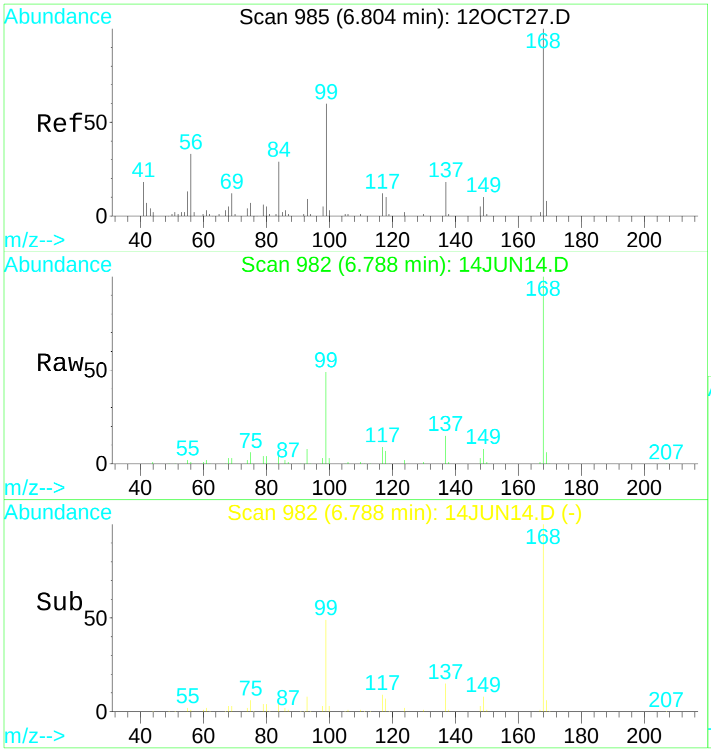
```
                              Quantitation Report    (QT Reviewed)

Data File : D:\DATA\JUN2022C\JUN14\14JUN14.D            Vial: 14
Acq On    : 14 Jun 2022  10:31 am                   Operator: MGC
Sample    : 2213551-01                              Inst    : MS-V5
Misc      : 1 ;25ML;pH=2                            Multiplr: 1.00
MS Integration Params: rteint.p
 Quant Time: Jun 15 10:06 2022             Quant Results File: 82605CX.RES

Quant Method : C:\HPCHEM\1...\82605CX.M (RTE Integrator)
Title        : EPA Method 8260C/DX
Last Update  : Tue Jun 14 08:47:02 2022
Response via : Initial Calibration
DataAcq Meth : 82605

 Internal Standards                R.T. QIon  Response  Conc Units Dev(Min)
 -------------------------------------------------------------------------
   1) Pentafluorobenzene IS#1      6.79  137     53530    10.00 ug/L   -0.02
  29) 1,4-Difluorobenzene  IS#2    7.56   63    106258    10.00 ug/L   -0.01
  36) Chlorobenzene d5 IS#3        9.75  119    134787    10.00 ug/L   -0.01

 Target Compounds                                                   Qvalue
```

```
 -------------------------------------------------------------------------
 (#) = qualifier out of range (m) = manual integration
```

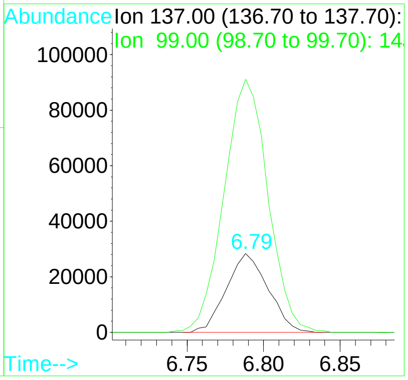
Quantitation Report

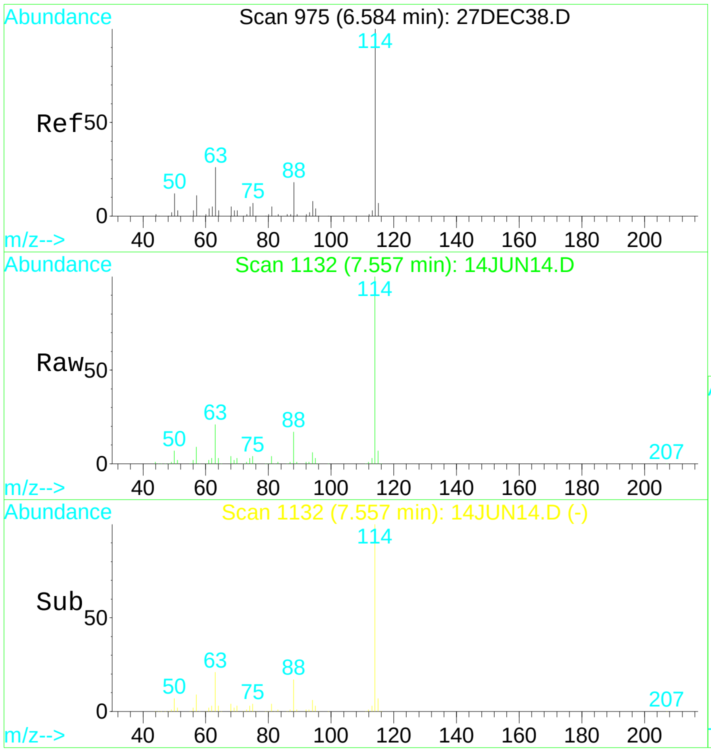
```
Data File : D:\DATA\JUN2022C\JUN14\14JUN14.D            Vial: 14
Acq On    : 14 Jun 2022  10:31 am                    Operator: MGC
Sample    : 2213551-01                               Inst    : MS-V5
Misc      : 1 ;25ML;pH=2                             Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jun 15 10:06 2022            Quant Results File: 82605CX.RES

Method       : C:\HPCHEM\1\METHODS\C\202206\10-1632\82605CX.M (RTE Integrator)
Title        : EPA Method 8260C/DX
Last Update  : Tue Jun 14 08:47:02 2022
Response via : Initial Calibration
```



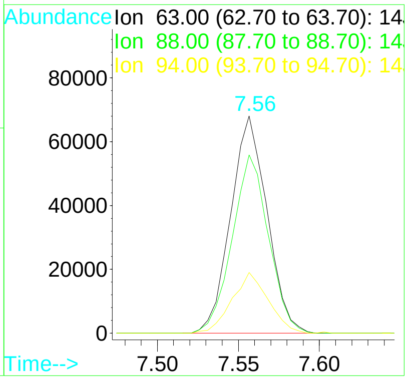


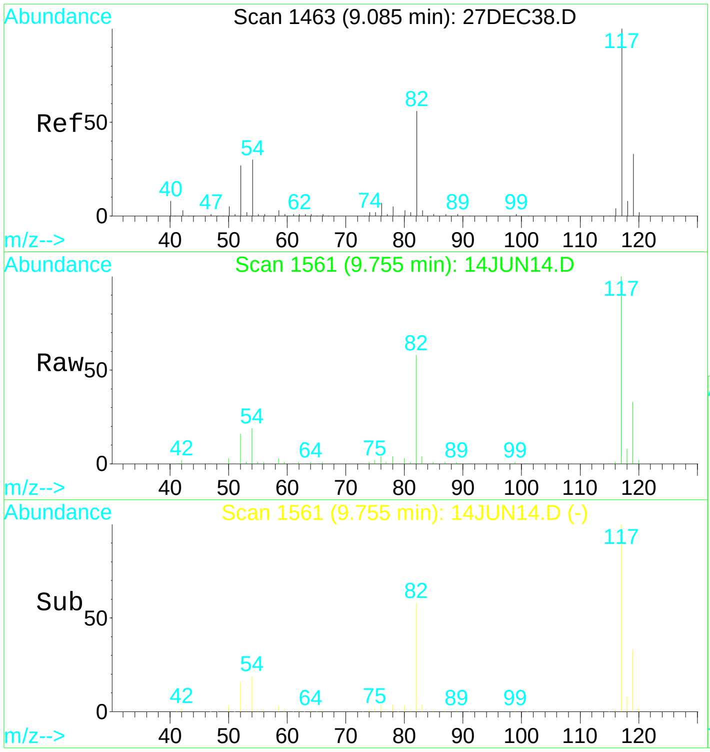
```
#1
Pentafluorobenzene IS#1
Concen:   10.00 ug/L
RT: 6.79 min  Scan# 982
Delta R.T.   -0.02 min
Lab File:   14JUN14.D
Acq: 14 Jun 2022  10:31 am

Tgt Ion:137 Resp:   53530
Ion  Ratio  Lower  Upper
137  100
 99  339.5  270.7  502.7
```



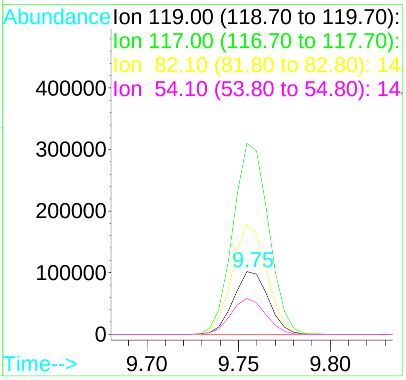


```
#29
1,4-Difluorobenzene  IS#2
Concen:   10.00 ug/L
RT: 7.56 min  Scan# 1132
Delta R.T.   -0.01 min
Lab File:   14JUN14.D
Acq: 14 Jun 2022  10:31 am

Tgt Ion: 63 Resp:  106258
Ion  Ratio  Lower  Upper
 63  100
 88   81.8   58.6  108.8
 94   27.9   20.2   37.6
```





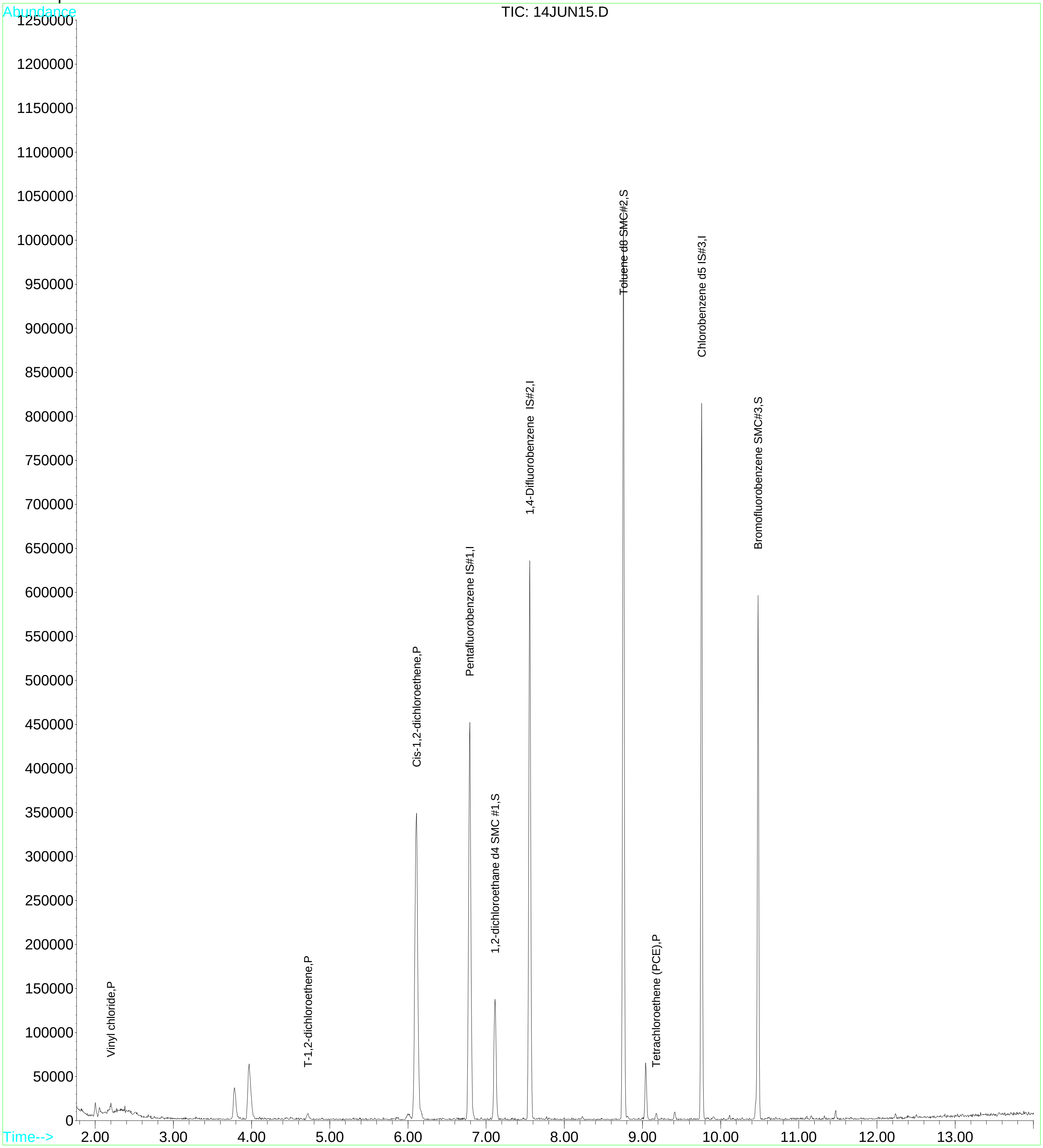
```
#36
Chlorobenzene d5 IS#3
Concen:   10.00 ug/L
RT: 9.75 min  Scan# 1561
Delta R.T.   -0.01 min
Lab File:   14JUN14.D
Acq: 14 Jun 2022  10:31 am

Tgt Ion:119 Resp:  134787
Ion  Ratio  Lower  Upper
119  100
117  311.9  212.7  395.1
 82  175.6  118.4  220.0
 54   56.6   40.5   75.1
```

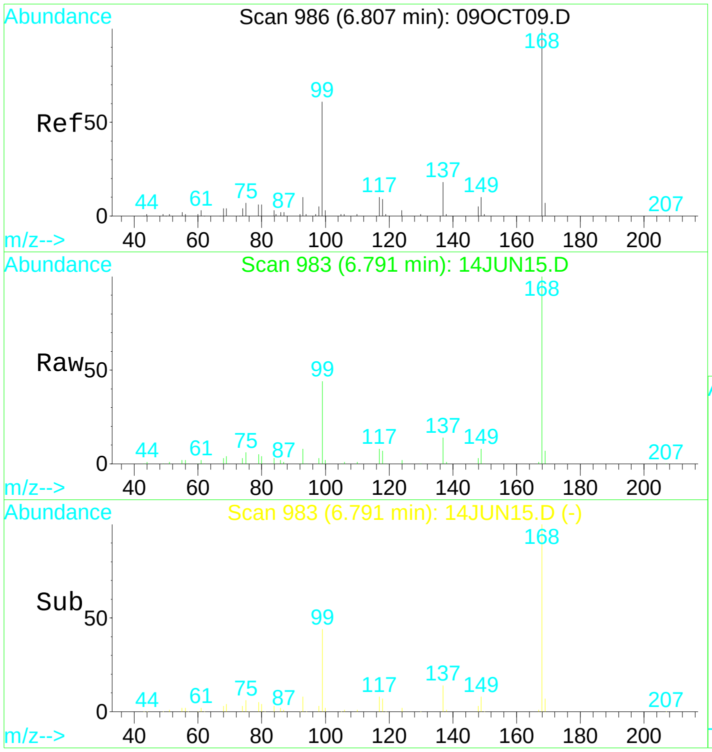


```
                             Quantitation Report    (QT Reviewed)

Data File : D:\DATA\JUN2022C\JUN14\14JUN15.D            Vial: 15
Acq On    : 14 Jun 2022  10:55 am                   Operator: MGC
Sample    : 2213551-02                              Inst    : MS-V5
Misc      : 1 ;25ML;pH=2                            Multiplr: 1.00
MS Integration Params: rteint.p
 Quant Time: Jun 15  6:15 2022            Quant Results File: 82605C.RES

Quant Method : C:\HPCHEM\1...\82605C.M (RTE Integrator)
Title        : EPA Method  8260C/D
Last Update  : Tue Jun 14 08:18:30 2022
Response via : Initial Calibration
DataAcq Meth : 82605

 Internal Standards                R.T. QIon  Response  Conc Units Dev(Min)
 ---------------------------------------------------------------------------
   1) Pentafluorobenzene IS#1      6.79  137    51542    10.00 ug/L   -0.02
  26) 1,4-Difluorobenzene  IS#2    7.56   63    97720    10.00 ug/L   -0.01
  41) Chlorobenzene d5 IS#3        9.76  119   128687    10.00 ug/L   -0.01

 System Monitoring Compounds
  23) 1,2-dichloroethane d4 SMC    7.11   65    86556     9.77 ug/L   -0.01
   Spiked Amount     10.000   Range  75 - 125    Recovery   =   97.70%
  33) Toluene d8 SMC#2             8.76   98   589065    10.39 ug/L   -0.01
   Spiked Amount     10.000   Range  80 - 120    Recovery   =  103.90%
  51) Bromofluorobenzene SMC#3    10.48   95   177683     9.83 ug/L   -0.01
   Spiked Amount     10.000   Range  80 - 120    Recovery   =   98.30%

 Target Compounds                                                 Qvalue
   5) Vinyl chloride               2.20   62     7047     0.49 ug/L #    44
  14) T-1,2-dichloroethene         4.73   96     3833     0.20 ug/L #    79
  17) Cis-1,2-dichloroethene       6.10   96   227863    11.56 ug/L      90
  37) Tetrachloroethene (PCE)      9.18  166     2504     0.13 ug/L #    81

 ---------------------------------------------------------------------------
 (#) = qualifier out of range (m) = manual integration
 14JUN15.D  82605C.M      Wed Jun 15 06:19:10 2022                          Page 1
```

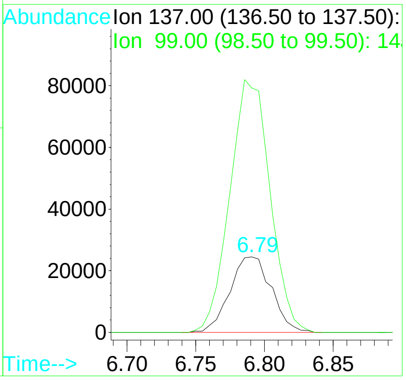
Quantitation Report

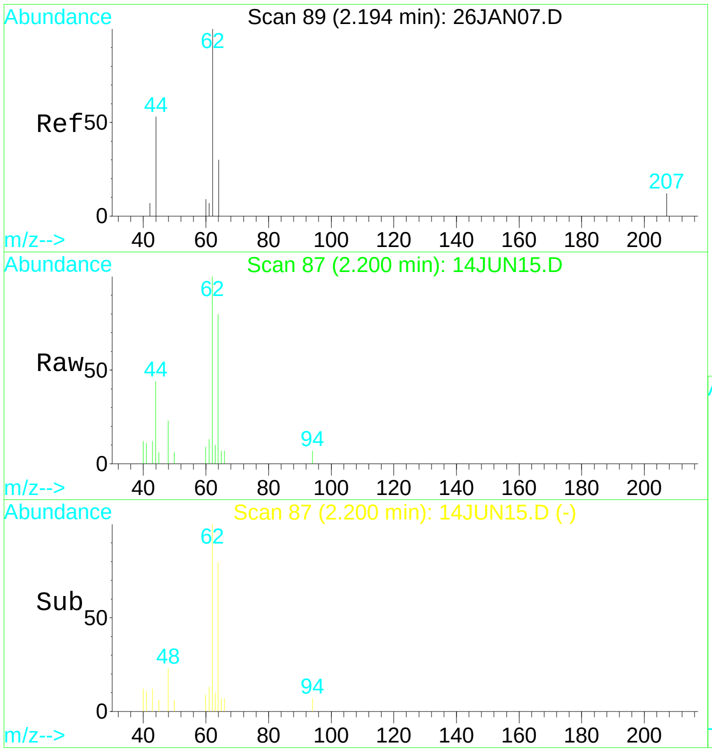
```
Data File : D:\DATA\JUN2022C\JUN14\14JUN15.D            Vial: 15
Acq On    : 14 Jun 2022  10:55 am                    Operator: MGC
Sample    : 2213551-02                               Inst    : MS-V5
Misc      : 1 ;25ML;pH=2                             Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jun 15  6:15 2022          Quant Results File: 82605C.RES

Method       : C:\HPCHEM\1\METHODS\C\202206\10-1156\82605C.M (RTE Integrator)
Title        : EPA Method  8260C/D
Last Update  : Tue Jun 14 08:18:30 2022
Response via : Initial Calibration
```



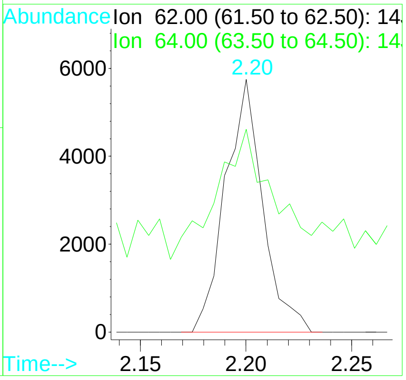


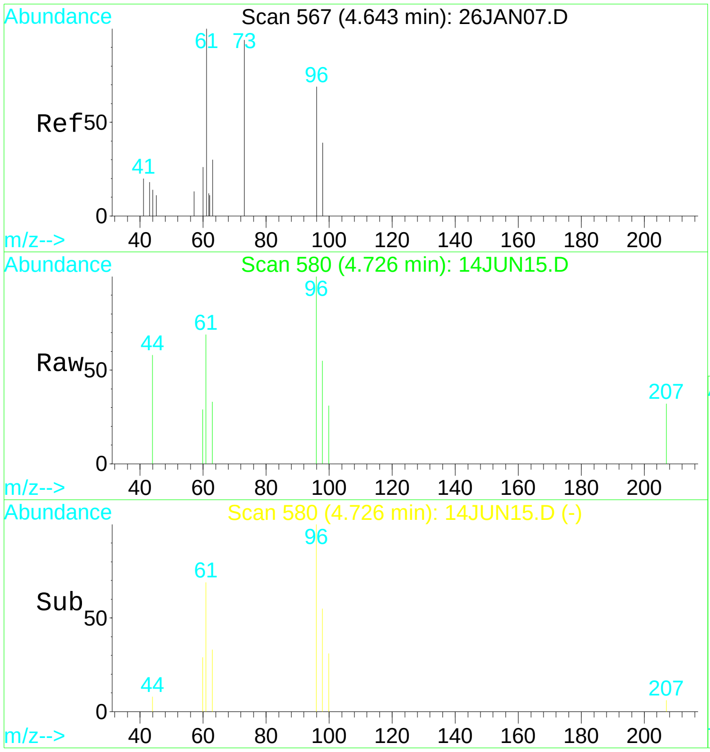
```
#1
Pentafluorobenzene IS#1
Concen:   10.00 ug/L
RT: 6.79 min  Scan# 983
Delta R.T.   -0.02 min
Lab File:   14JUN15.D
Acq: 14 Jun 2022  10:55 am

Tgt Ion:137 Resp:   51542
Ion  Ratio  Lower  Upper
137  100
 99  324.3  1352.1  2511.0#
```



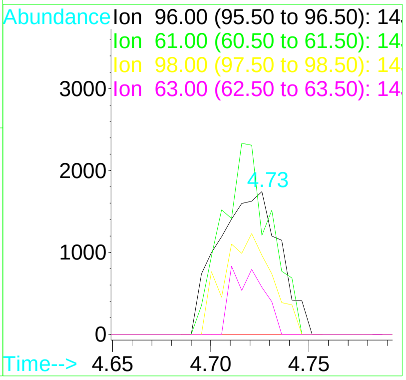


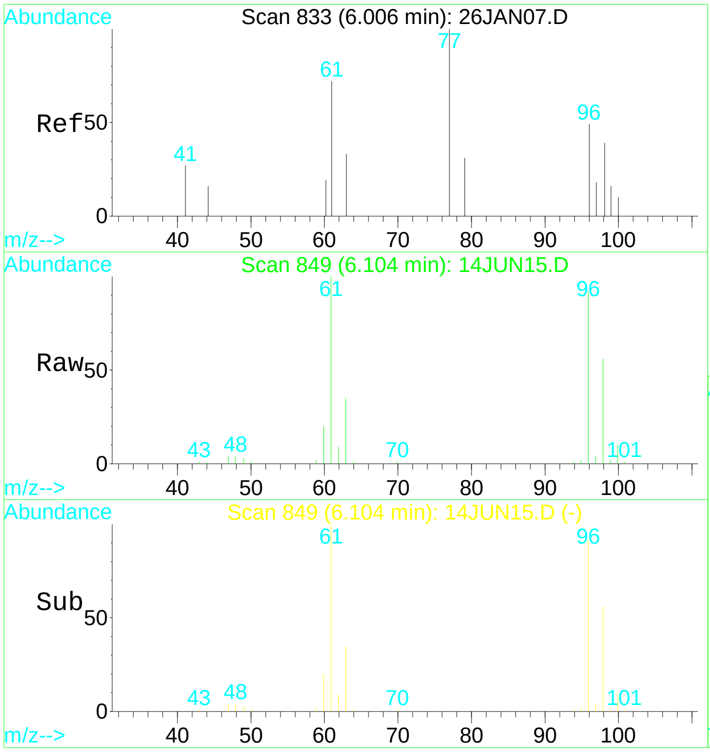
```
#5
Vinyl chloride
Concen:    0.49 ug/L
RT: 2.20 min  Scan# 87
Delta R.T.   -0.00 min
Lab File:   14JUN15.D
Acq: 14 Jun 2022  10:55 am

Tgt Ion: 62 Resp:    7047
Ion  Ratio  Lower  Upper
 62  100
 64   64.8   23.1   42.9#
```



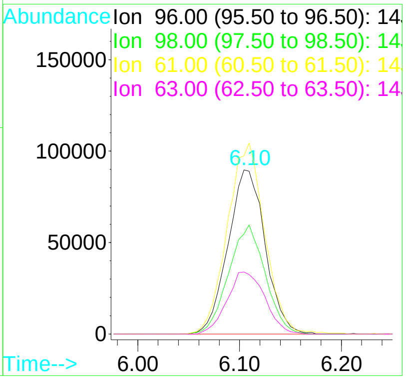


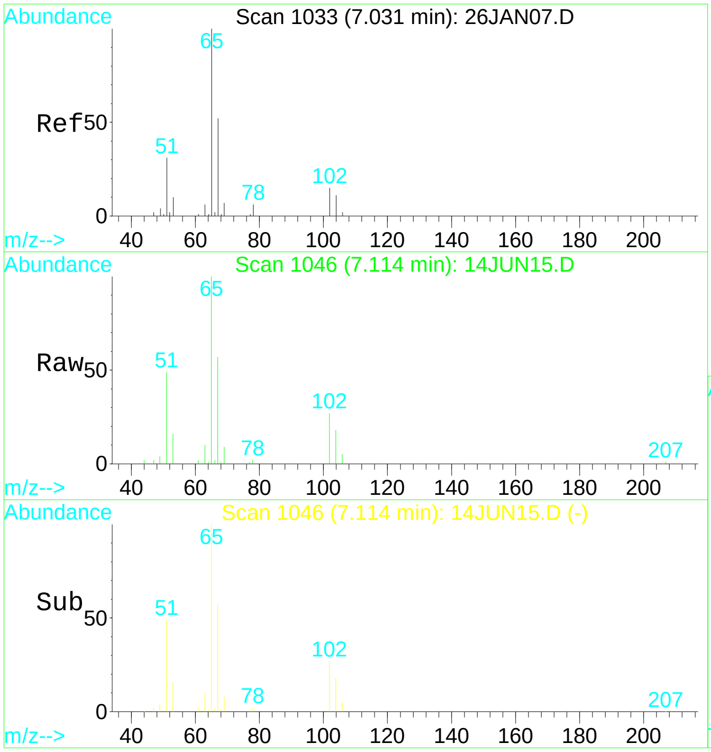
```
#14
T-1,2-dichloroethene
Concen:    0.20 ug/L
RT: 4.73 min  Scan# 580
Delta R.T.   -0.00 min
Lab File:   14JUN15.D
Acq: 14 Jun 2022  10:55 am

Tgt Ion: 96 Resp:    3833
Ion  Ratio  Lower  Upper
 96  100
 61  104.6   91.6  170.2
 98   56.0   45.3   84.1
 63   25.1   30.8   57.2#
```



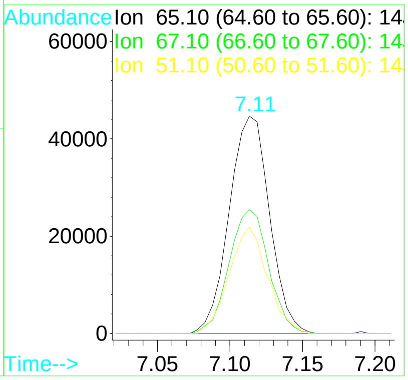


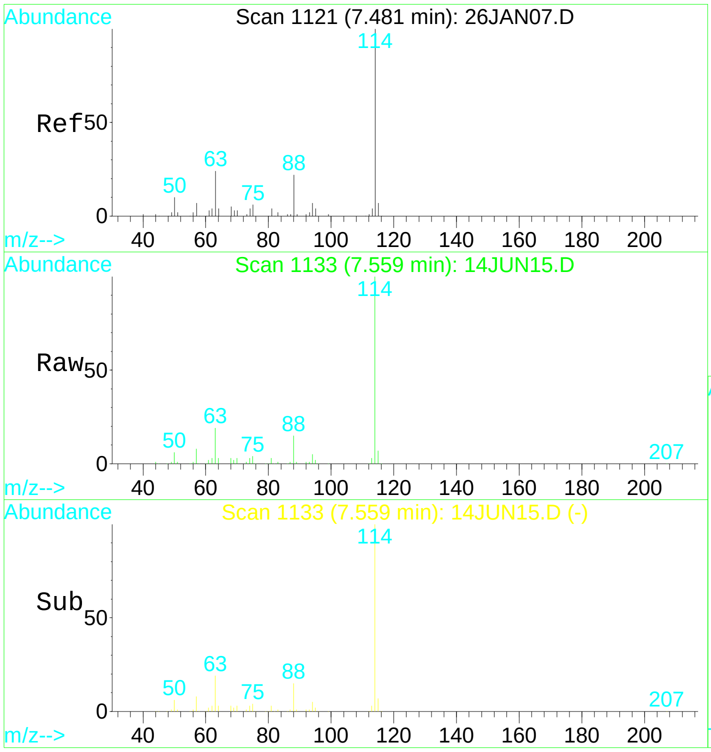
```
#17
Cis-1,2-dichloroethene
Concen:   11.56 ug/L
RT: 6.10 min  Scan# 849
Delta R.T.   -0.02 min
Lab File:   14JUN15.D
Acq: 14 Jun 2022  10:55 am

Tgt Ion: 96 Resp:  227863
Ion  Ratio  Lower  Upper
 96  100
 98   65.1   45.6   84.8
 61  116.5   94.5  175.5
 63   38.4   31.6   58.8
```



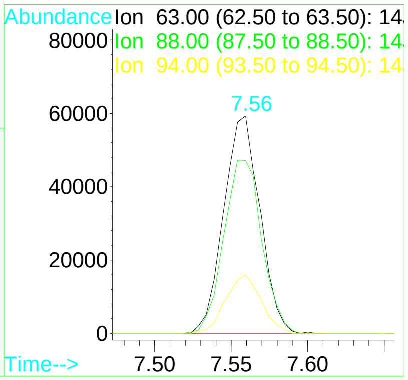


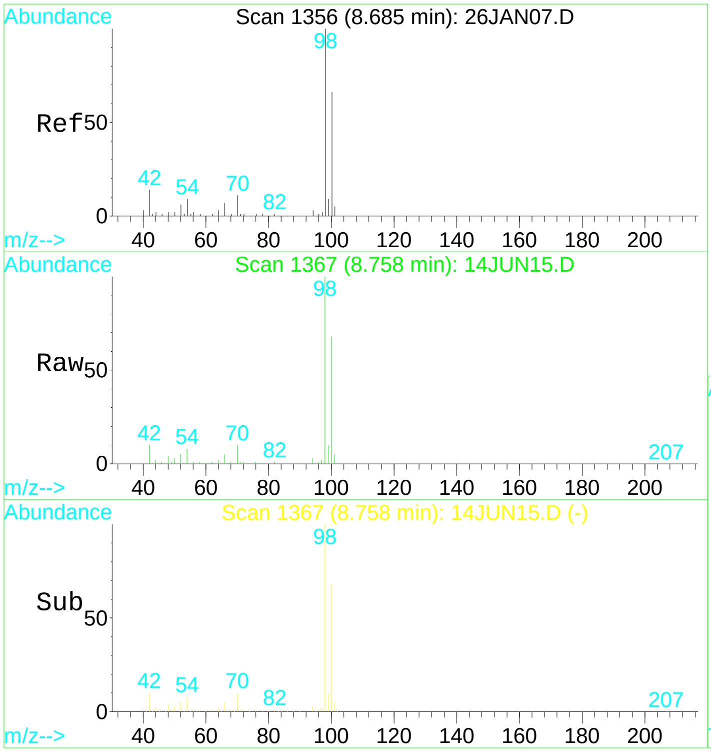
```
#23
1,2-dichloroethane d4 SMC #1
Concen:    N.D. ug/L
RT: 7.11 min  Scan# 1046
Delta R.T.   -0.01 min
Lab File:   14JUN15.D
Acq: 14 Jun 2022  10:55 am

Tgt Ion: 65 Resp:   86556
Ion  Ratio  Lower  Upper
 65  100
 67    55.9   41.2   76.4
 51    46.6  449.7  835.3#
```



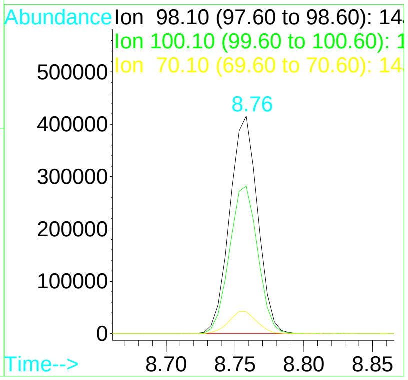


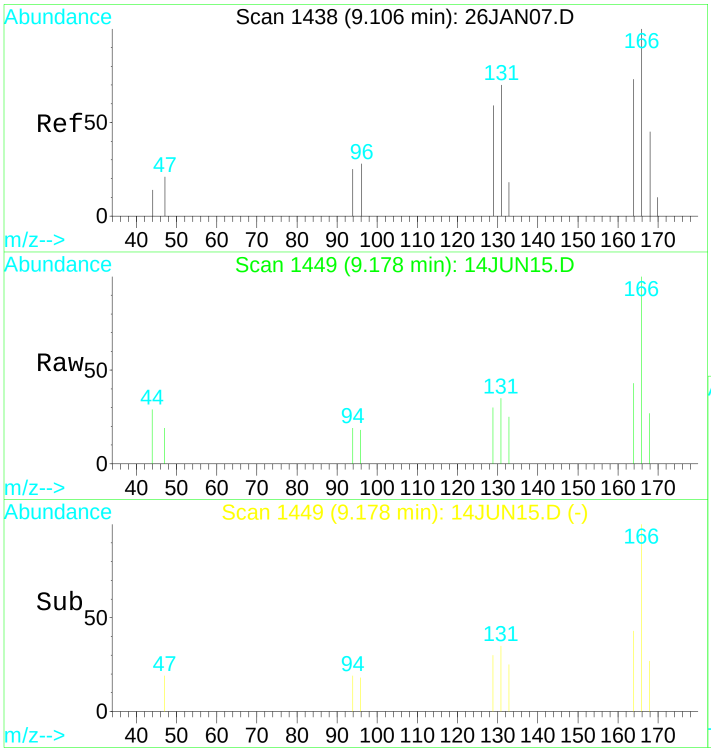
```
#26
1,4-Difluorobenzene  IS#2
Concen:   10.00 ug/L
RT: 7.56 min  Scan# 1133
Delta R.T.   -0.01 min
Lab File:   14JUN15.D
Acq: 14 Jun 2022  10:55 am

Tgt Ion: 63 Resp:   97720
Ion  Ratio  Lower  Upper
 63  100
 88    83.7   56.5  104.9
 94    26.5   19.0   35.4
```



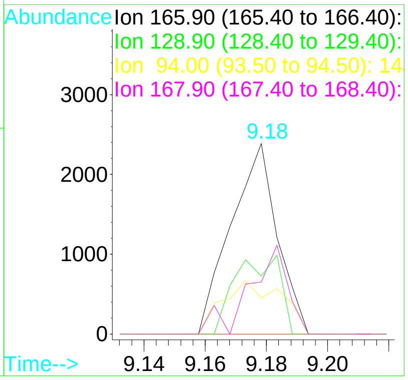


```
#33
Toluene d8 SMC#2
Concen:    N.D. ug/L
RT: 8.76 min  Scan# 1367
Delta R.T.   -0.01 min
Lab File:   14JUN15.D
Acq: 14 Jun 2022  10:55 am

Tgt Ion: 98 Resp:  589065
Ion  Ratio  Lower  Upper
 98  100
100   68.6   48.0   89.2
 70   10.3    7.1   13.3
```

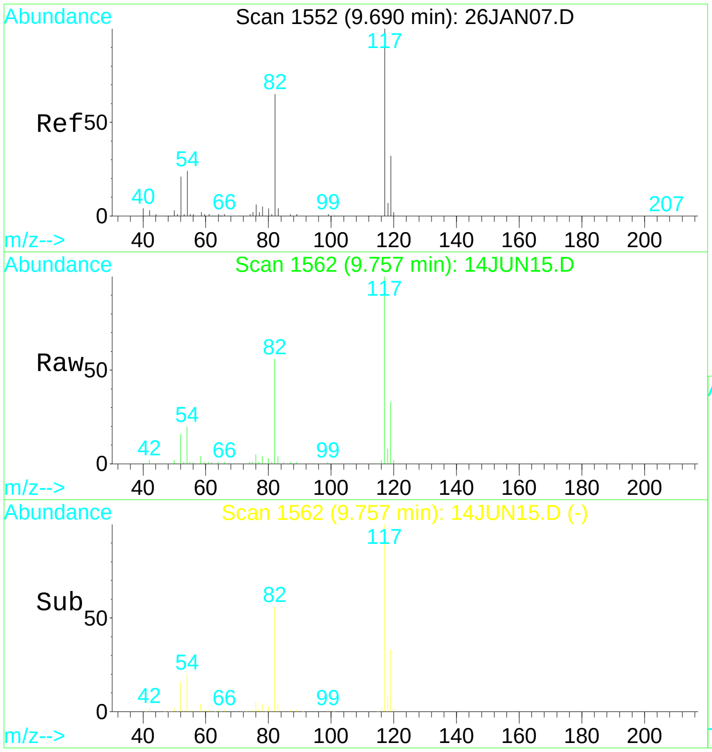


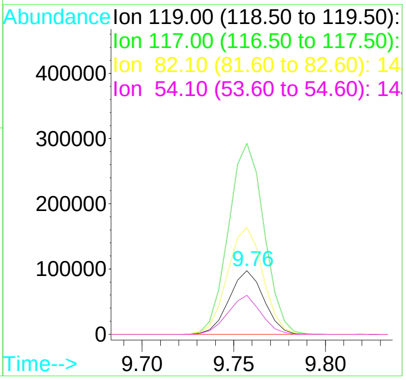


```
#37
Tetrachloroethene (PCE)
Concen:    0.13 ug/L
RT: 9.18 min  Scan# 1449
Delta R.T.   -0.01 min
Lab File:   14JUN15.D
Acq: 14 Jun 2022  10:55 am

Tgt Ion:166 Resp:    2504
Ion  Ratio  Lower  Upper
166  100
129   39.9   45.9   85.3#
 94   35.6   24.3   45.1
168   38.7   34.1   63.3
```

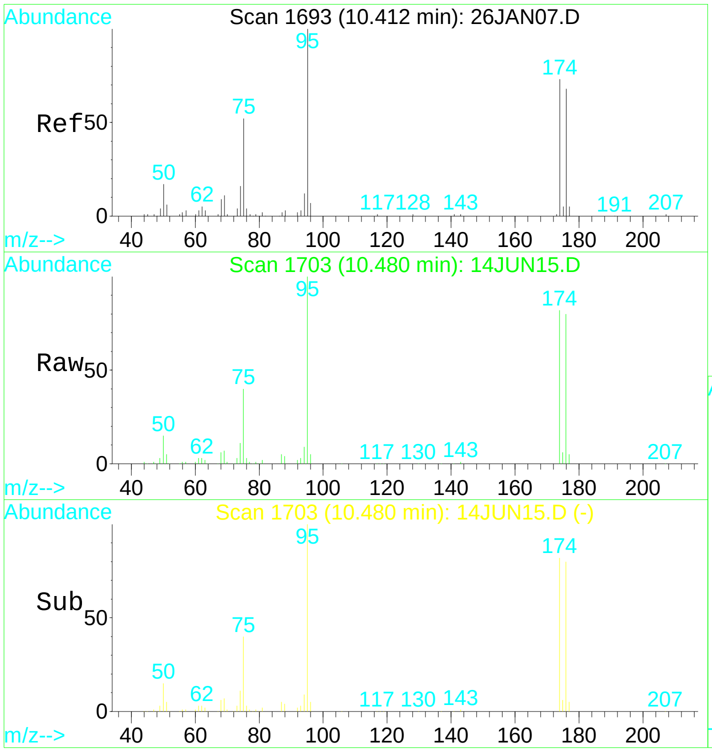


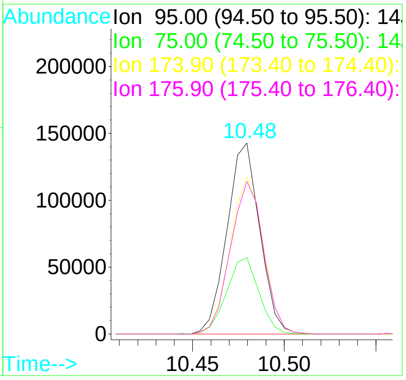
```
#41
Chlorobenzene d5 IS#3
Concen:   10.00 ug/L
RT: 9.76 min  Scan# 1562
Delta R.T.   -0.01 min
Lab File:   14JUN15.D
Acq: 14 Jun 2022  10:55 am

Tgt Ion:119 Resp:  128687
Ion  Ratio  Lower   Upper
119  100
117  308.0  214.1   397.7
 82  171.5  119.0   221.0
 54   58.1   42.1    78.1
```





```
#51
Bromofluorobenzene SMC#3
Concen:    N.D. ug/L
RT: 10.48 min  Scan# 1703
Delta R.T.   -0.01 min
Lab File:   14JUN15.D
Acq: 14 Jun 2022  10:55 am

Tgt Ion: 95 Resp:  177683
Ion  Ratio  Lower   Upper
 95  100
 75   39.4   28.3    52.5
174   82.9   61.7   114.7
176   80.6   59.2   110.0
```



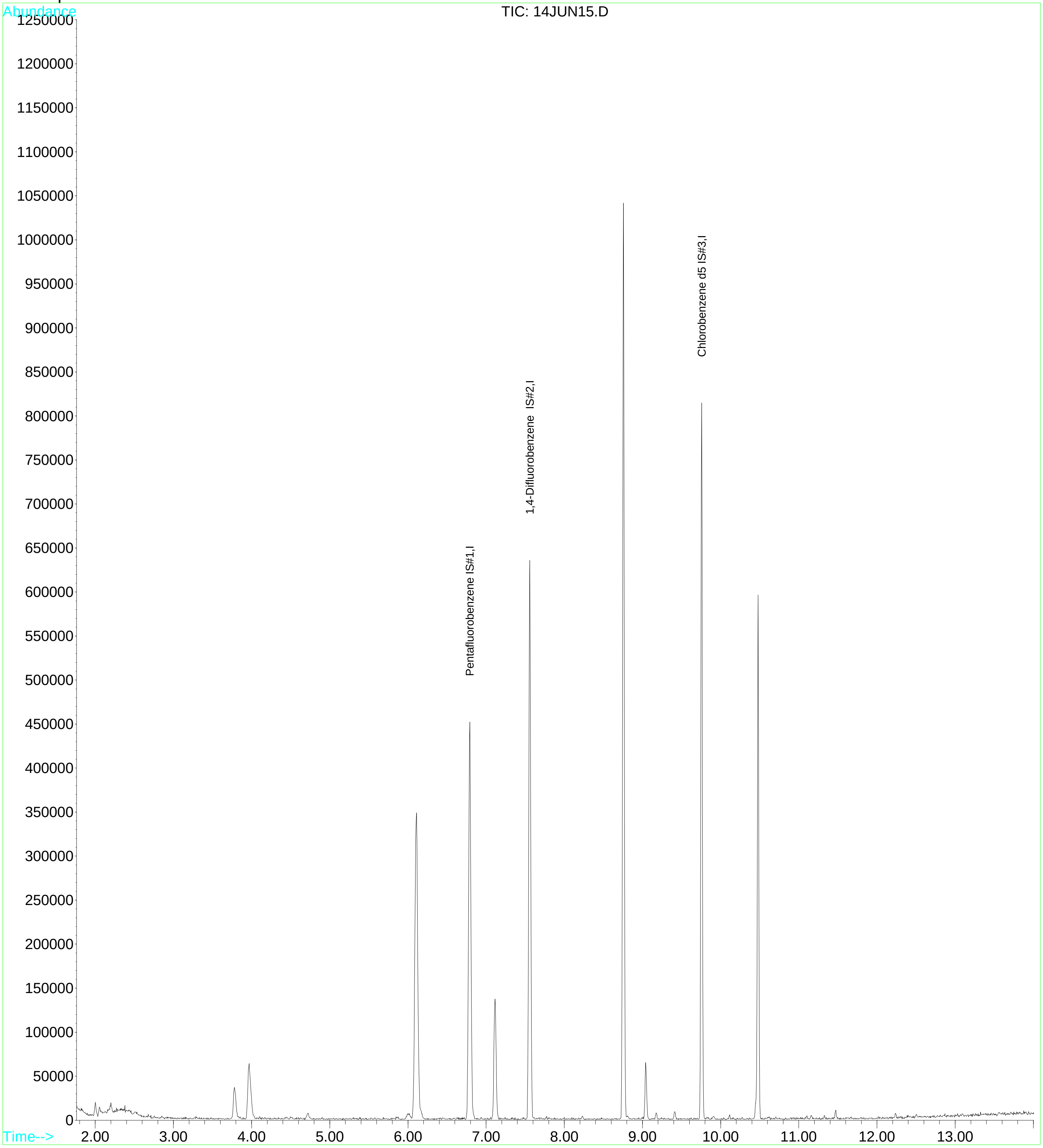


```
                               Quantitation Report    (QT Reviewed)

Data File : D:\DATA\JUN2022C\JUN14\14JUN15.D            Vial: 15
Acq On    : 14 Jun 2022  10:55 am                   Operator: MGC
Sample    : 2213551-02                              Inst    : MS-V5
Misc      : 1 ;25ML;pH=2                            Multiplr: 1.00
MS Integration Params: rteint.p
 Quant Time: Jun 15  7:13 2022             Quant Results File: 82605CX.RES

Quant Method : C:\HPCHEM\1...\82605CX.M (RTE Integrator)
Title        : EPA Method 8260C/DX
Last Update  : Tue Jun 14 08:47:02 2022
Response via : Initial Calibration
DataAcq Meth : 82605

 Internal Standards                R.T. QIon  Response  Conc Units Dev(Min)
 -------------------------------------------------------------------------
   1) Pentafluorobenzene IS#1      6.79  137     51542    10.00 ug/L   -0.02
  29) 1,4-Difluorobenzene  IS#2    7.56   63     97720    10.00 ug/L   -0.01
  36) Chlorobenzene d5 IS#3        9.76  119    128687    10.00 ug/L   -0.01

 Target Compounds                                                  Qvalue
```

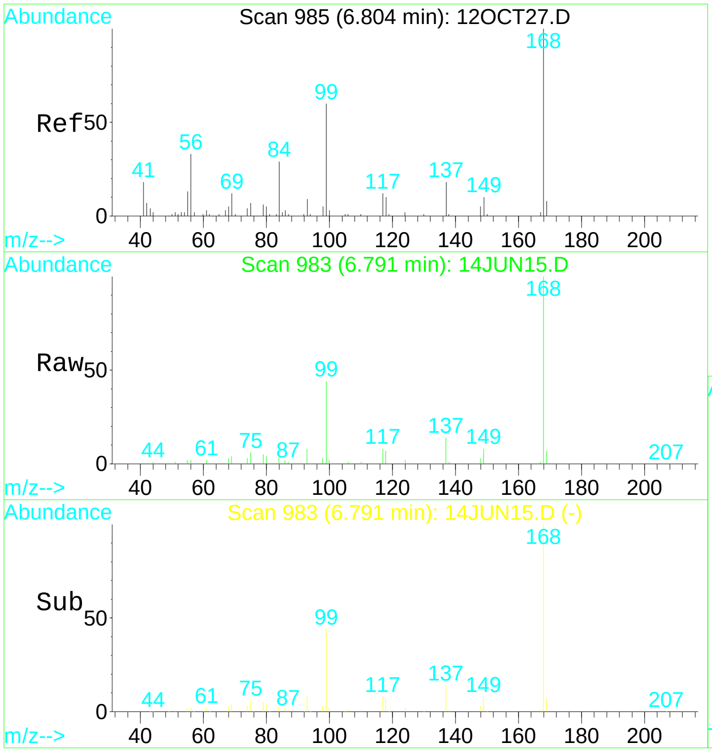
```
 -------------------------------------------------------------------------
 (#) = qualifier out of range (m) = manual integration
 14JUN15.D  82605CX.M      Wed Jun 15 10:07:46 2022                             Page 1
```

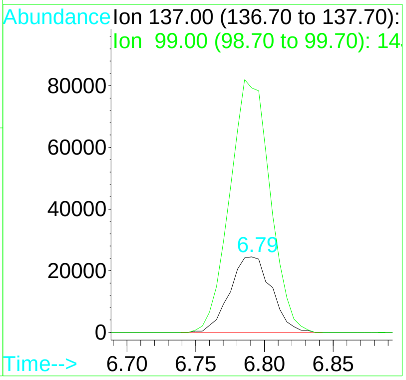
Quantitation Report

```
Data File : D:\DATA\JUN2022C\JUN14\14JUN15.D            Vial: 15
Acq On    : 14 Jun 2022  10:55 am                    Operator: MGC
Sample    : 2213551-02                               Inst    : MS-V5
Misc      : 1 ;25ML;pH=2                             Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jun 15  7:13 2022           Quant Results File: 82605CX.RES

Method       : C:\HPCHEM\1\METHODS\C\202206\10-1632\82605CX.M (RTE Integrator)
Title        : EPA Method 8260C/DX
Last Update  : Tue Jun 14 08:47:02 2022
Response via : Initial Calibration
```

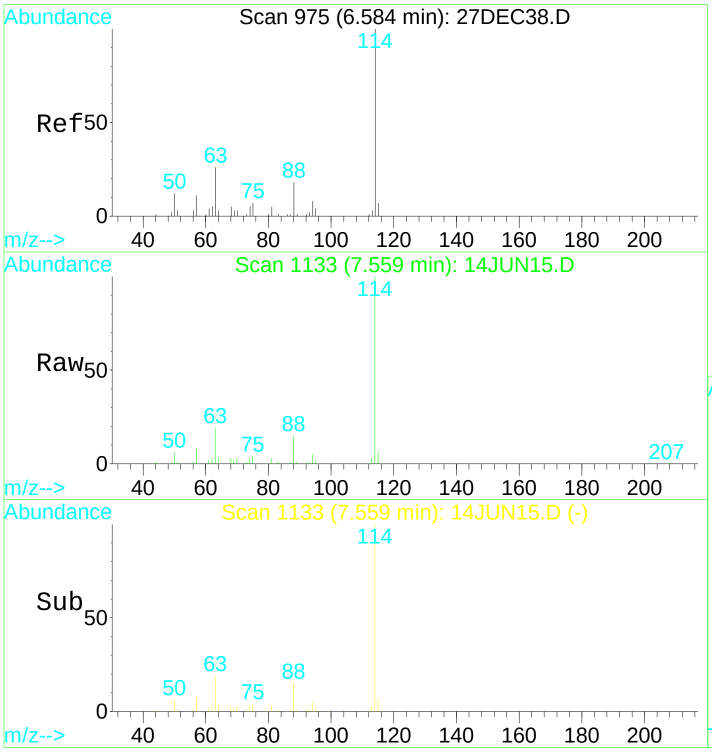


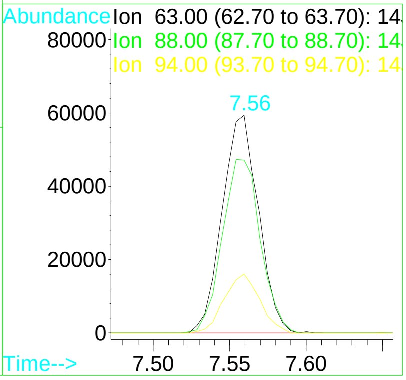
```
#1
Pentafluorobenzene IS#1
Concen:   10.00 ug/L
RT: 6.79 min  Scan# 983
Delta R.T.   -0.02 min
Lab File:   14JUN15.D
Acq: 14 Jun 2022  10:55 am

Tgt Ion:137 Resp:   51542
Ion  Ratio  Lower  Upper
137  100
 99  324.3  270.7  502.7
```

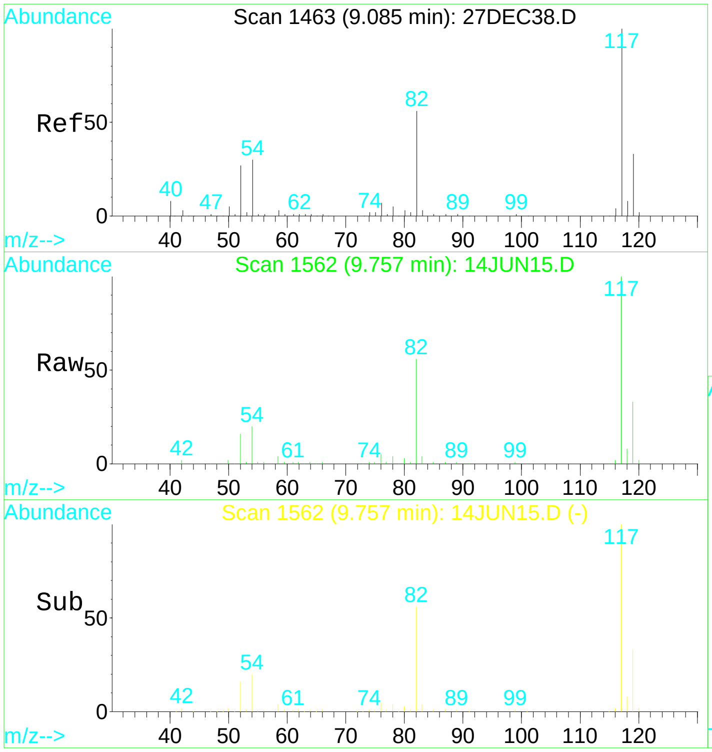




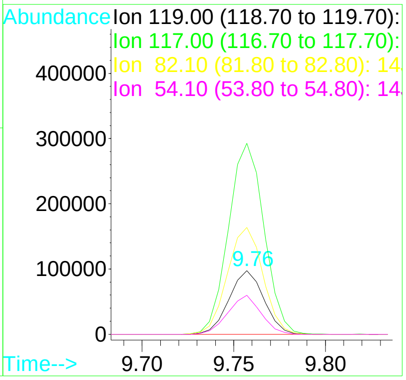
```
#29
1,4-Difluorobenzene  IS#2
Concen:   10.00 ug/L
RT: 7.56 min  Scan# 1133
Delta R.T.   -0.01 min
Lab File:   14JUN15.D
Acq: 14 Jun 2022  10:55 am

Tgt Ion: 63 Resp:   97720
Ion  Ratio  Lower  Upper
 63  100
 88   83.7   58.6  108.8
 94   26.5   20.2   37.6
```







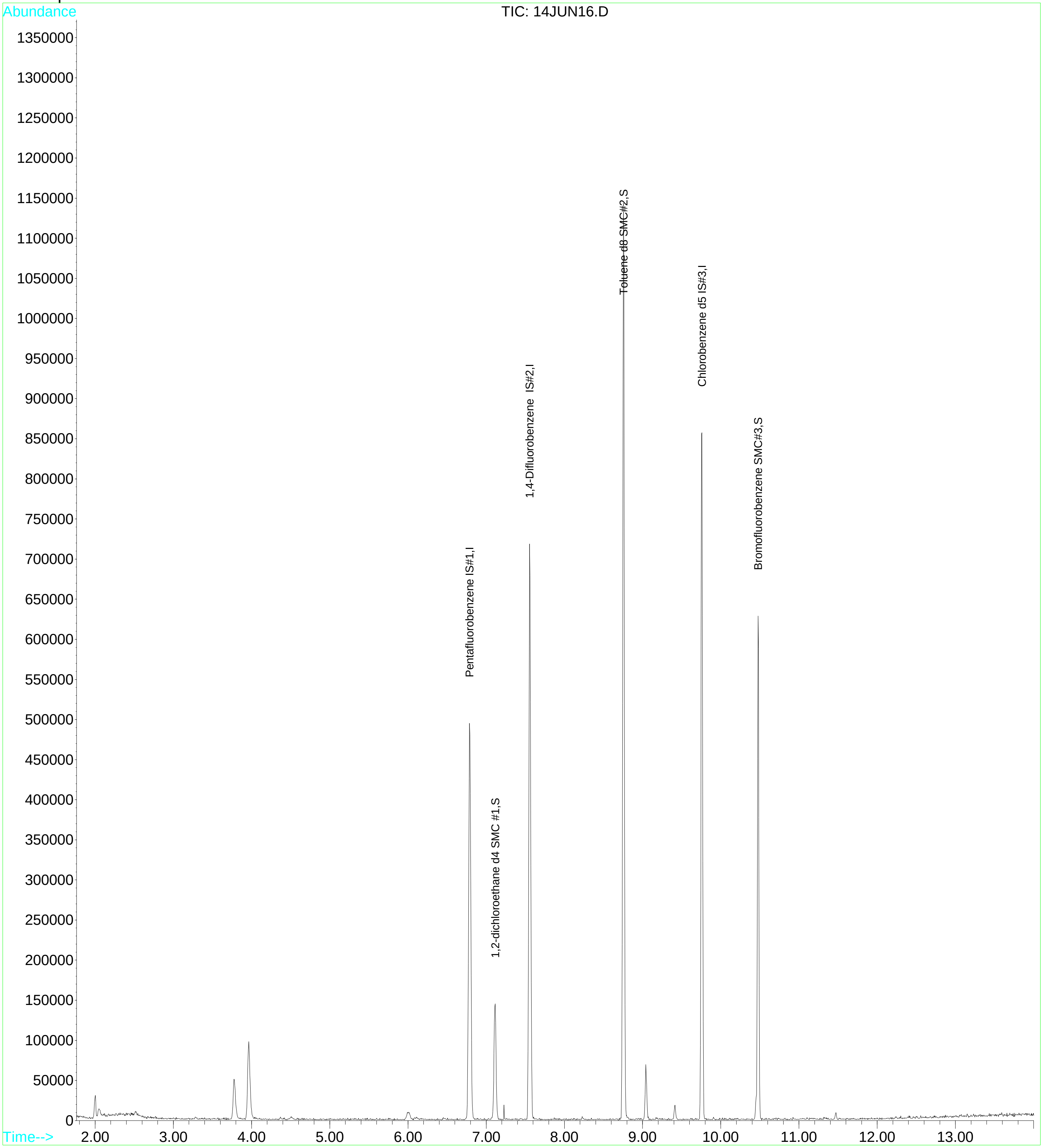
```
#36
Chlorobenzene d5 IS#3
Concen:   10.00 ug/L
RT: 9.76 min  Scan# 1562
Delta R.T.   -0.01 min
Lab File:   14JUN15.D
Acq: 14 Jun 2022  10:55 am

Tgt Ion:119 Resp:  128687
Ion  Ratio  Lower  Upper
119  100
117  308.0  212.7  395.1
 82  171.5  118.4  220.0
 54   58.1   40.5   75.1
```

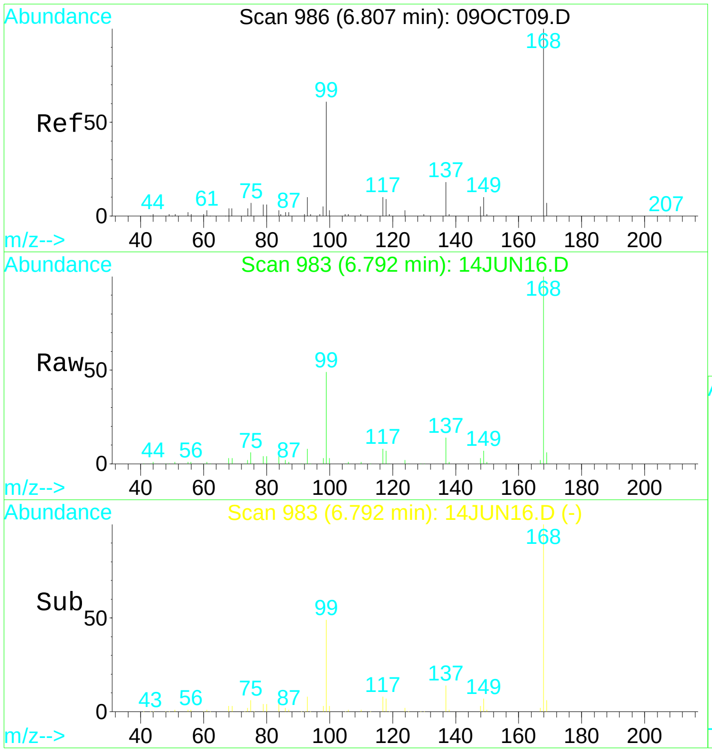


```
                             Quantitation Report    (QT Reviewed)

Data File : D:\DATA\JUN2022C\JUN14\14JUN16.D            Vial: 16
Acq On    : 14 Jun 2022  11:20 am                   Operator: MGC
Sample    : 2213551-03                              Inst    : MS-V5
Misc      : 1 ;25ML;pH=2                            Multiplr: 1.00
MS Integration Params: rteint.p
 Quant Time: Jun 15  6:16 2022             Quant Results File: 82605C.RES

Quant Method : C:\HPCHEM\1...\82605C.M (RTE Integrator)
Title        : EPA Method  8260C/D
Last Update  : Tue Jun 14 08:18:30 2022
Response via : Initial Calibration
DataAcq Meth : 82605

 Internal Standards                R.T. QIon  Response  Conc Units Dev(Min)
 -------------------------------------------------------------------------
   1) Pentafluorobenzene IS#1      6.79  137     54266    10.00 ug/L   -0.01
  26) 1,4-Difluorobenzene  IS#2    7.56   63    108825    10.00 ug/L   -0.01
  41) Chlorobenzene d5 IS#3        9.76  119    140953    10.00 ug/L    0.00

 System Monitoring Compounds
  23) 1,2-dichloroethane d4 SMC    7.12   65     89121     9.55 ug/L    0.00
   Spiked Amount     10.000   Range  75 - 125    Recovery   =   95.50%
  33) Toluene d8 SMC#2             8.75   98    636560    10.08 ug/L   -0.01
   Spiked Amount     10.000   Range  80 - 120    Recovery   =  100.80%
  51) Bromofluorobenzene SMC#3    10.48   95    184980     9.34 ug/L   -0.01
   Spiked Amount     10.000   Range  80 - 120    Recovery   =   93.40%

 Target Compounds                                                   Qvalue








 -------------------------------------------------------------------------
 (#) = qualifier out of range (m) = manual integration
 14JUN16.D  82605C.M      Wed Jun 15 06:19:12 2022                          Page 1
```

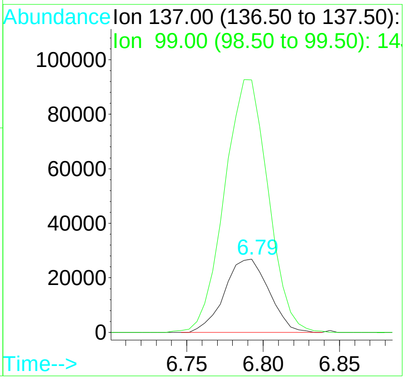
Quantitation Report

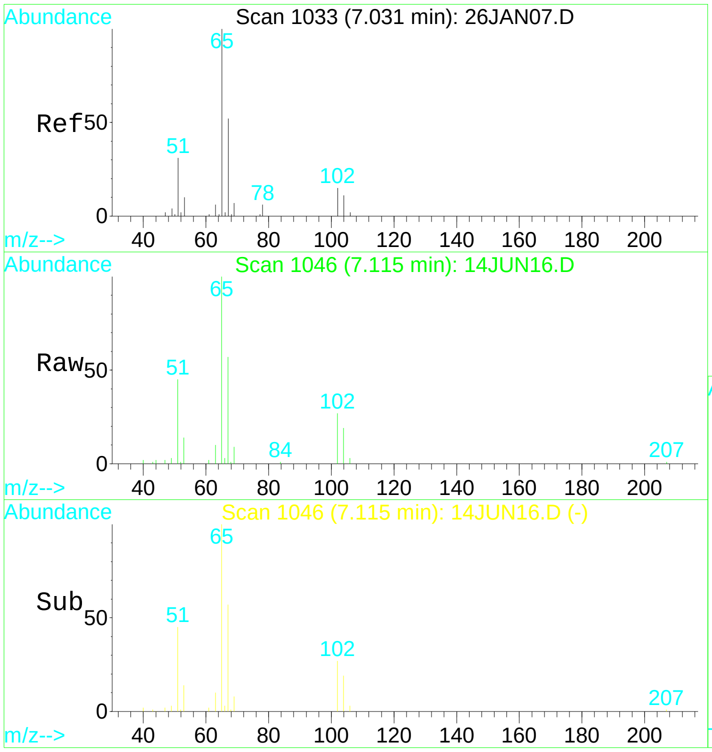
```
Data File : D:\DATA\JUN2022C\JUN14\14JUN16.D           Vial: 16
Acq On    : 14 Jun 2022  11:20 am                   Operator: MGC
Sample    : 2213551-03                              Inst    : MS-V5
Misc      : 1 ;25ML;pH=2                            Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jun 15  6:16 2022           Quant Results File: 82605C.RES

Method       : C:\HPCHEM\1\METHODS\C\202206\10-1156\82605C.M (RTE Integrator)
Title        : EPA Method  8260C/D
Last Update  : Tue Jun 14 08:18:30 2022
Response via : Initial Calibration
```



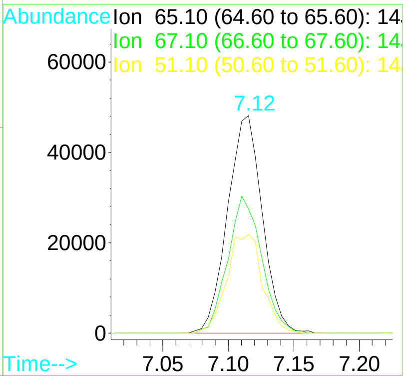


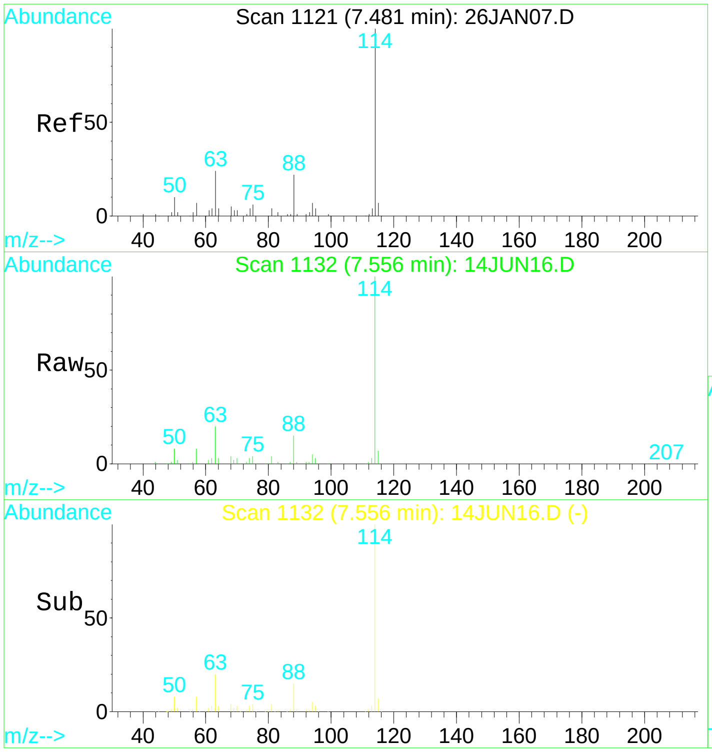
```
#1
Pentafluorobenzene IS#1
Concen:   10.00 ug/L
RT: 6.79 min  Scan# 983
Delta R.T.   -0.01 min
Lab File:   14JUN16.D
Acq: 14 Jun 2022  11:20 am

Tgt Ion:137 Resp:   54266
Ion  Ratio  Lower  Upper
137  100
 99  340.1  1352.1  2511.0#
```



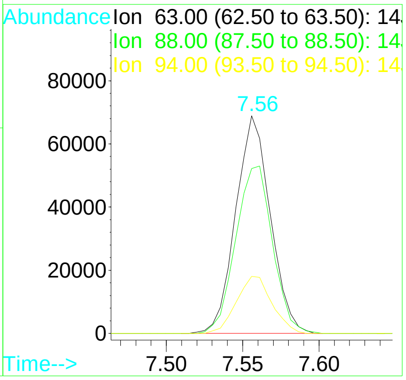


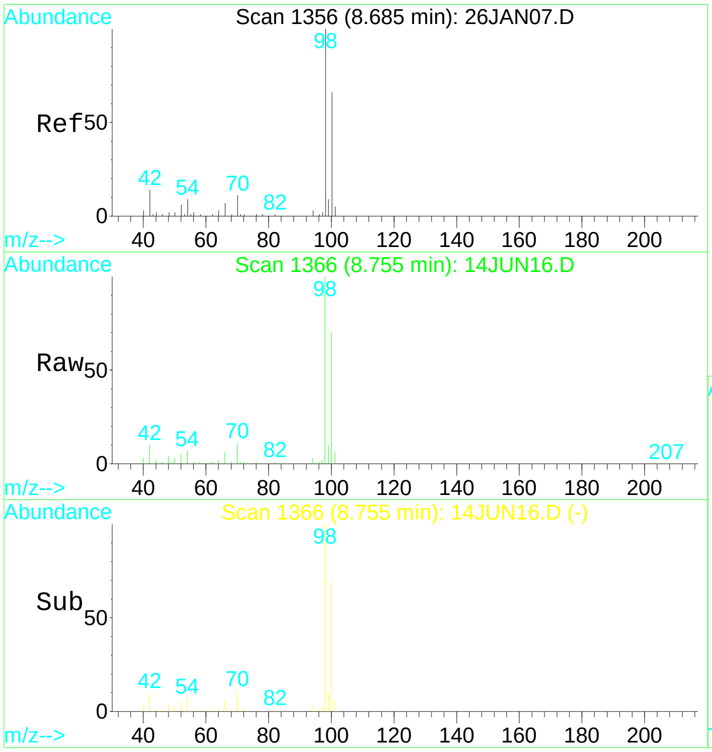
```
#23
1,2-dichloroethane d4 SMC #1
Concen:    N.D. ug/L
RT: 7.12 min  Scan# 1046
Delta R.T.   -0.01 min
Lab File:   14JUN16.D
Acq: 14 Jun 2022  11:20 am

Tgt Ion: 65 Resp:   89121
Ion  Ratio  Lower  Upper
 65  100
 67   61.3   41.2   76.4
 51   46.8  449.7  835.3#
```



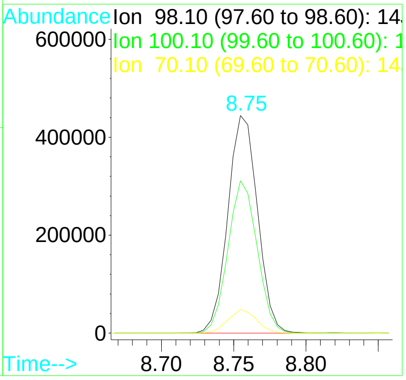


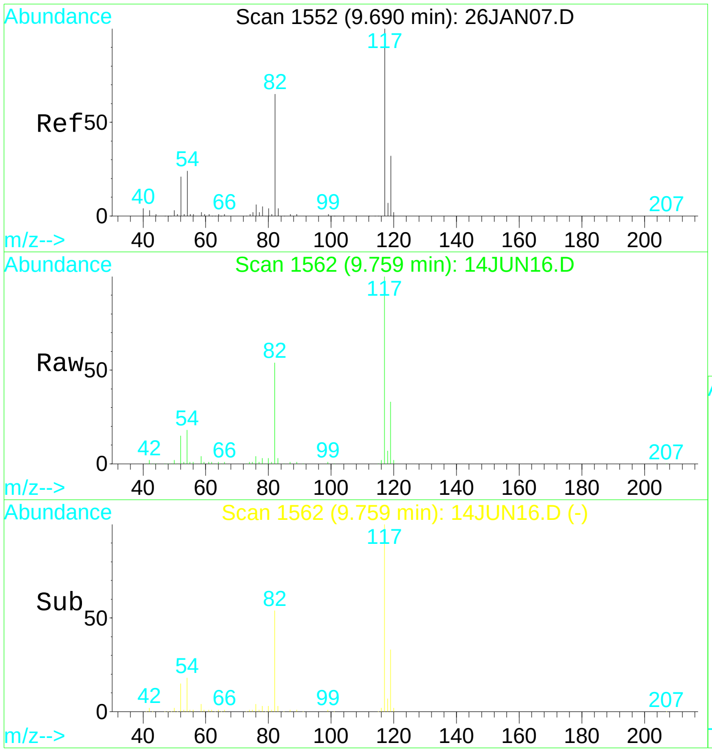
```
#26
1,4-Difluorobenzene  IS#2
Concen:   10.00 ug/L
RT: 7.56 min  Scan# 1132
Delta R.T.   -0.01 min
Lab File:   14JUN16.D
Acq: 14 Jun 2022  11:20 am

Tgt Ion: 63 Resp:  108825
Ion  Ratio  Lower  Upper
 63  100
 88   81.5   56.5  104.9
 94   26.7   19.0   35.4
```





```
#33
Toluene d8 SMC#2
Concen:    N.D. ug/L
RT: 8.75 min  Scan# 1366
Delta R.T.   -0.01 min
Lab File:   14JUN16.D
Acq: 14 Jun 2022  11:20 am

Tgt Ion: 98 Resp:  636560
Ion  Ratio  Lower  Upper
 98  100
100   68.7   48.0   89.2
 70   10.5    7.1   13.3
```



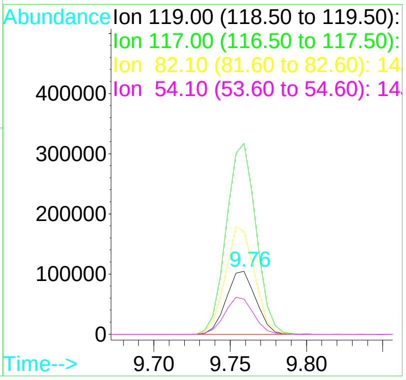


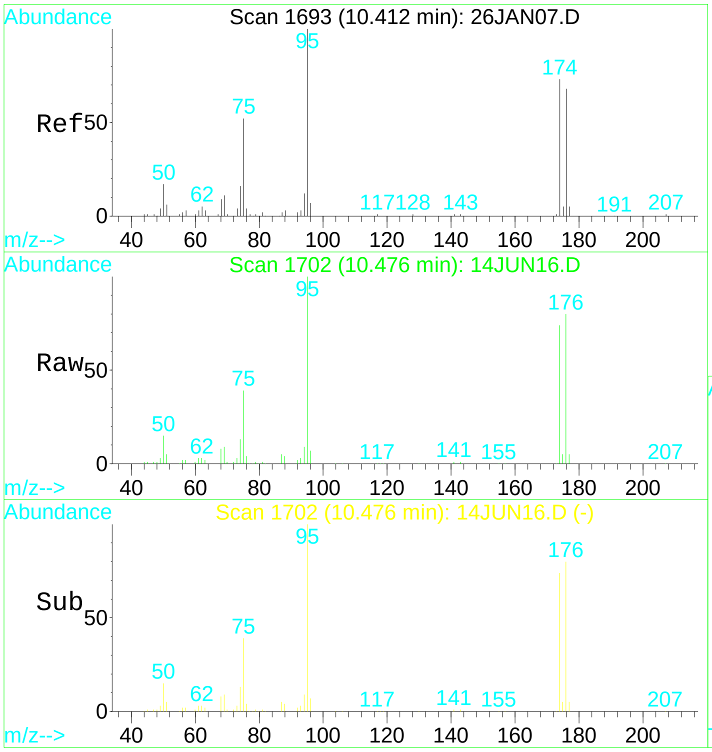
Scan 1552 (9.690 min): 26JAN07.D

Scan 1562 (9.759 min): 14JUN16.D

Scan 1562 (9.759 min): 14JUN16.D (-)

```
#41
Chlorobenzene d5 IS#3
Concen:   10.00 ug/L
RT: 9.76 min  Scan# 1562
Delta R.T.   -0.01 min
Lab File:   14JUN16.D
Acq: 14 Jun 2022  11:20 am

Tgt Ion:119 Resp:  140953
Ion  Ratio  Lower  Upper
119  100
117  304.1  214.1  397.7
 82  168.7  119.0  221.0
 54   57.1   42.1   78.1
```



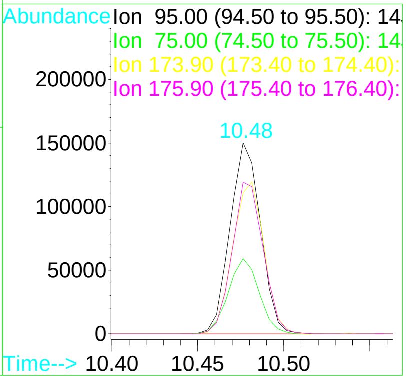


Scan 1693 (10.412 min): 26JAN07.D

Scan 1702 (10.476 min): 14JUN16.D

Scan 1702 (10.476 min): 14JUN16.D (-)

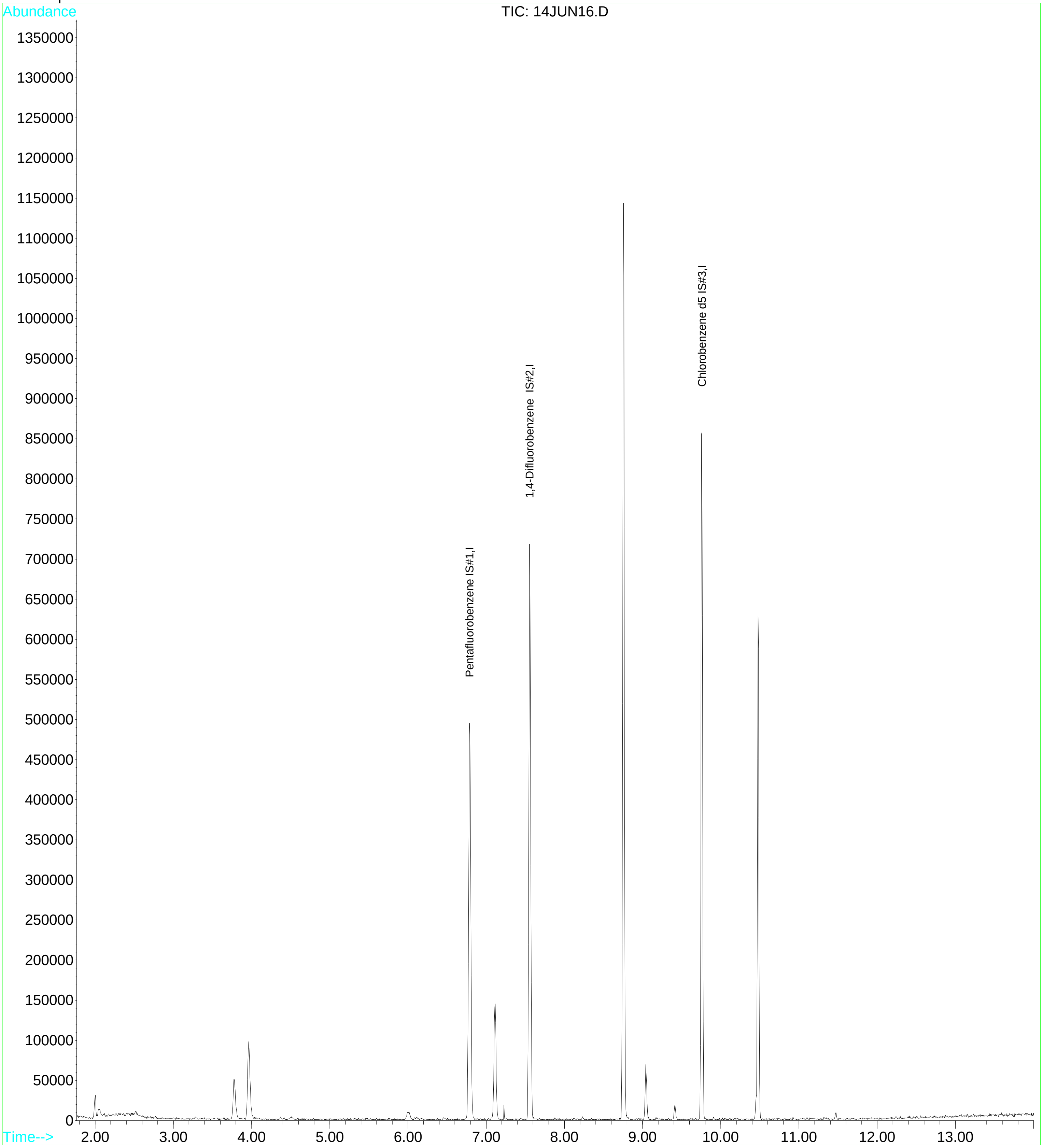
```
#51
Bromofluorobenzene SMC#3
Concen:    N.D. ug/L
RT: 10.48 min  Scan# 1702
Delta R.T.   -0.01 min
Lab File:   14JUN16.D
Acq: 14 Jun 2022  11:20 am

Tgt Ion: 95 Resp:  184980
Ion  Ratio  Lower  Upper
 95  100
 75   39.6   28.3   52.5
174   81.8   61.7  114.7
176   80.8   59.2  110.0
```

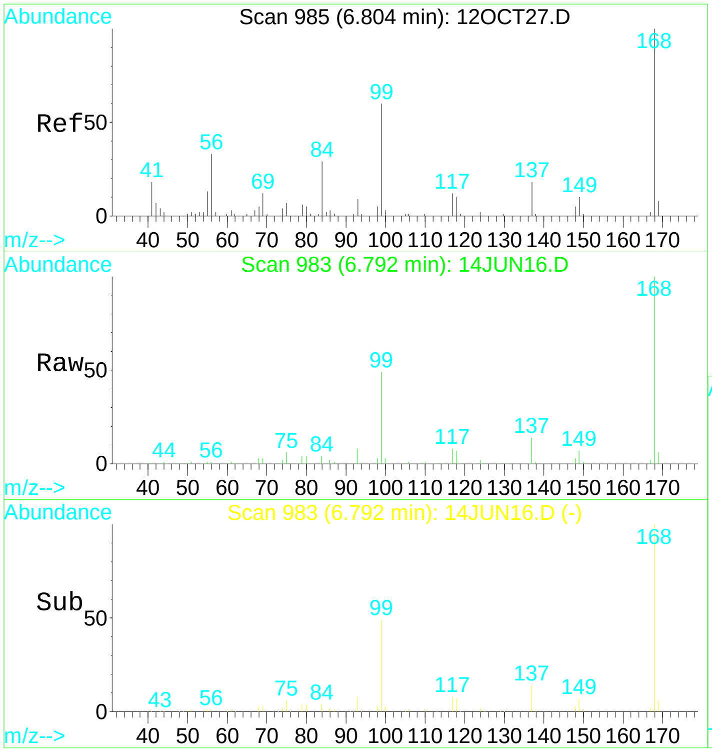


```
                              Quantitation Report    (QT Reviewed)

Data File : D:\DATA\JUN2022C\JUN14\14JUN16.D            Vial: 16
Acq On    : 14 Jun 2022  11:20 am                    Operator: MGC
Sample    : 2213551-03                               Inst    : MS-V5
Misc      : 1 ;25ML;pH=2                             Multiplr: 1.00
MS Integration Params: rteint.p
 Quant Time: Jun 15  7:13 2022             Quant Results File: 82605CX.RES

Quant Method : C:\HPCHEM\1...\82605CX.M (RTE Integrator)
Title        : EPA Method 8260C/DX
Last Update  : Tue Jun 14 08:47:02 2022
Response via : Initial Calibration
DataAcq Meth : 82605

 Internal Standards                R.T. QIon  Response  Conc Units Dev(Min)
 -------------------------------------------------------------------------
   1) Pentafluorobenzene IS#1      6.79  137     54266    10.00 ug/L   -0.02
  29) 1,4-Difluorobenzene  IS#2    7.56   63    108825    10.00 ug/L   -0.01
  36) Chlorobenzene d5 IS#3        9.76  119    140953    10.00 ug/L    0.00

 Target Compounds                                                    Qvalue
```

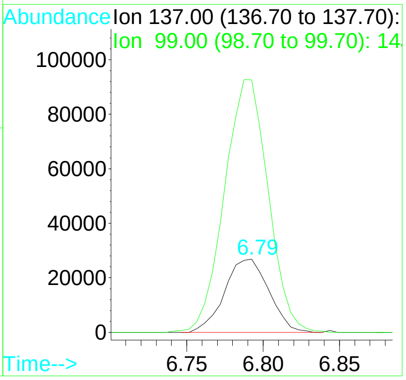
```
 -------------------------------------------------------------------------
 (#) = qualifier out of range (m) = manual integration
```

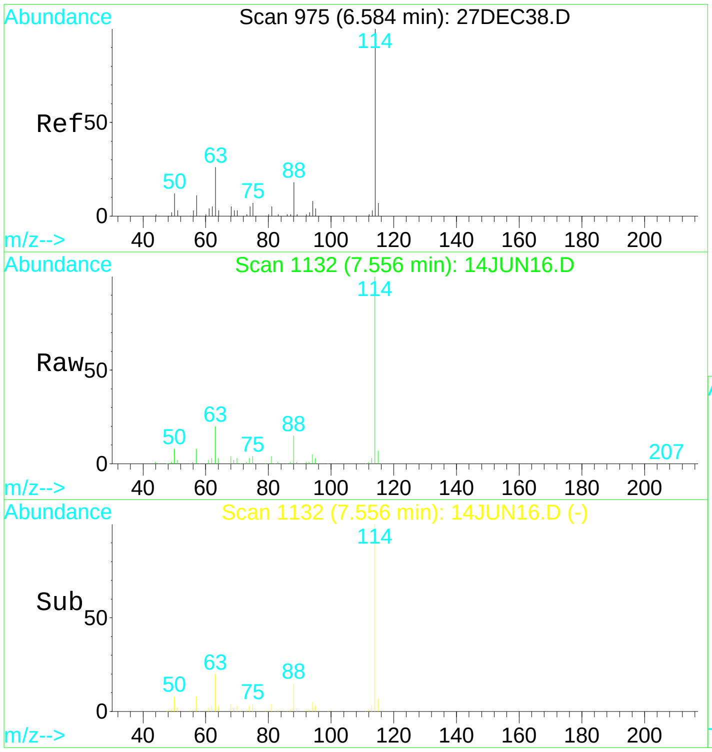
```
                                        Quantitation Report

  Data File : D:\DATA\JUN2022C\JUN14\14JUN16.D                Vial: 16
  Acq On    : 14 Jun 2022  11:20 am                       Operator: MGC
  Sample    : 2213551-03                                  Inst    : MS-V5
  Misc      : 1 ;25ML;pH=2                                Multiplr: 1.00
  MS Integration Params: rteint.p
  Quant Time: Jun 15  7:13 2022          Quant Results File: 82605CX.RES

  Method       : C:\HPCHEM\1\METHODS\C\202206\10-1632\82605CX.M (RTE Integrator)
  Title        : EPA Method 8260C/DX
  Last Update  : Tue Jun 14 08:47:02 2022
  Response via : Initial Calibration
```



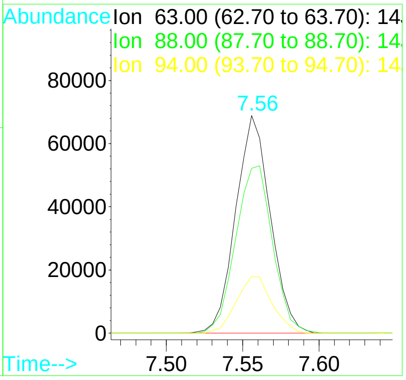


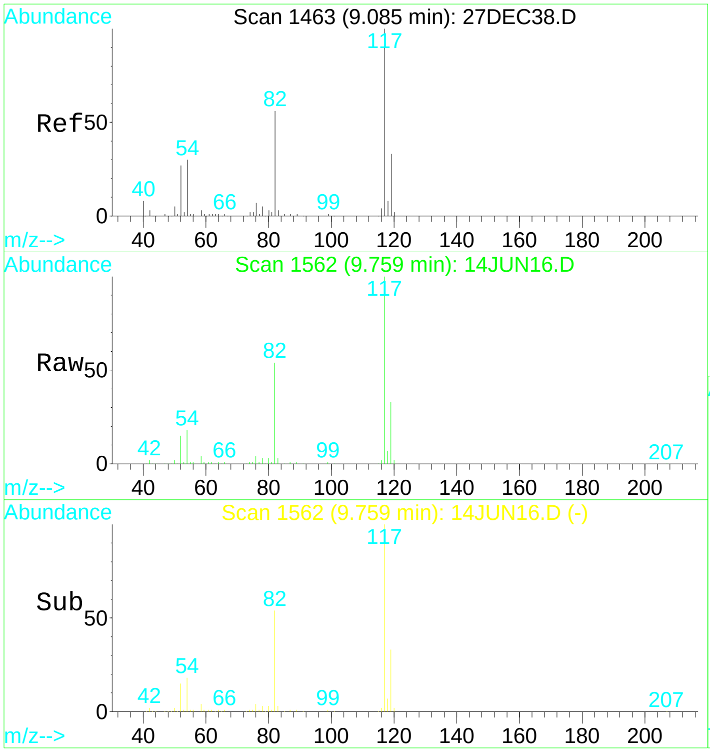
```
#1
Pentafluorobenzene IS#1
Concen:   10.00 ug/L
RT: 6.79 min  Scan# 983
Delta R.T.   -0.02 min
Lab File:   14JUN16.D
Acq: 14 Jun 2022  11:20 am

Tgt Ion:137 Resp:   54266
Ion  Ratio  Lower  Upper
137  100
 99  340.1  270.7  502.7
```





```
#29
1,4-Difluorobenzene  IS#2
Concen:   10.00 ug/L
RT: 7.56 min  Scan# 1132
Delta R.T.   -0.01 min
Lab File:   14JUN16.D
Acq: 14 Jun 2022  11:20 am

Tgt Ion: 63 Resp:   108825
Ion  Ratio  Lower  Upper
 63  100
 88   81.5   58.6  108.8
 94   26.7   20.2   37.6
```

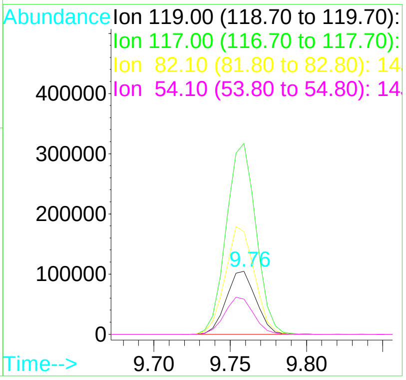




#36
Chlorobenzene d5 IS#3
Concen: 10.00 ug/L
RT: 9.76 min Scan# 1562
Delta R.T. -0.01 min
Lab File: 14JUN16.D
Acq: 14 Jun 2022 11:20 am

Tgt Ion:119 Resp: 140953

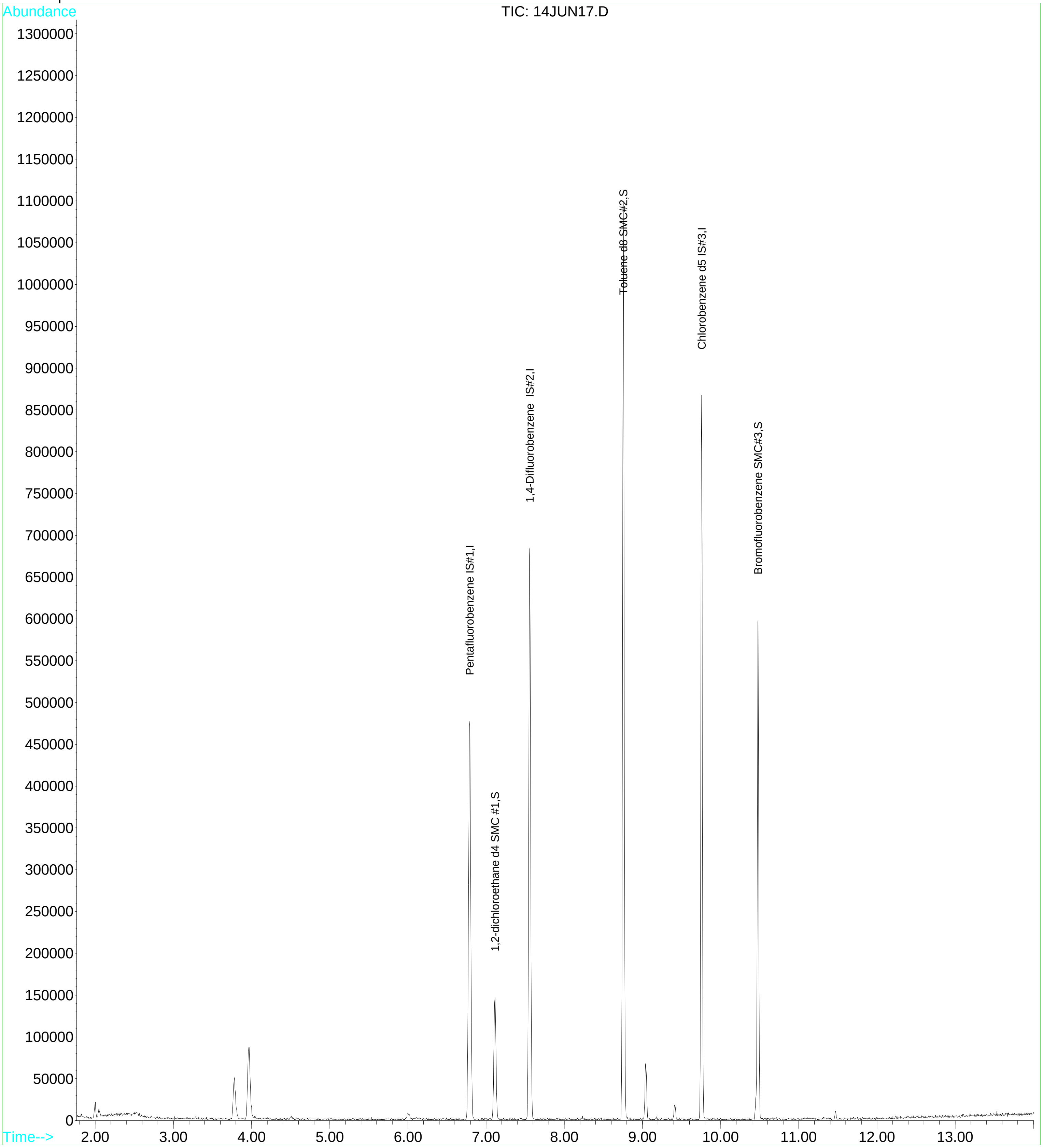
Ion	Ratio	Lower	Upper
119	100		
117	304.1	212.7	395.1
82	168.7	118.4	220.0
54	57.1	40.5	75.1

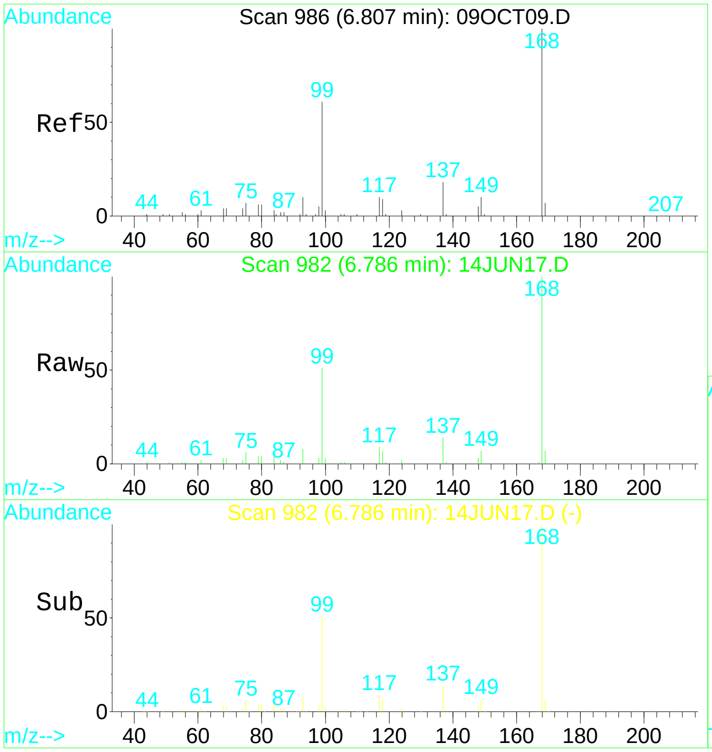


```
                              Quantitation Report    (QT Reviewed)

Data File : D:\DATA\JUN2022C\JUN14\14JUN17.D            Vial: 17
Acq On    : 14 Jun 2022  11:45 am                    Operator: MGC
Sample    : 2213551-04                               Inst    : MS-V5
Misc      : 1 ;25ML;pH=2                             Multiplr: 1.00
MS Integration Params: rteint.p
 Quant Time: Jun 15  6:16 2022             Quant Results File: 82605C.RES

Quant Method : C:\HPCHEM\1...\82605C.M (RTE Integrator)
Title        : EPA Method  8260C/D
Last Update  : Tue Jun 14 08:18:30 2022
Response via : Initial Calibration
DataAcq Meth : 82605

 Internal Standards                R.T. QIon  Response  Conc Units Dev(Min)
-------------------------------------------------------------------------
   1) Pentafluorobenzene IS#1      6.79  137    53273    10.00 ug/L   -0.02
  26) 1,4-Difluorobenzene  IS#2    7.55   63   107693    10.00 ug/L   -0.02
  41) Chlorobenzene d5 IS#3        9.76  119   135738    10.00 ug/L   -0.01

 System Monitoring Compounds
  23) 1,2-dichloroethane d4 SMC    7.11   65    90405     9.87 ug/L   -0.01
   Spiked Amount     10.000   Range  75 - 125    Recovery   =   98.70%
  33) Toluene d8 SMC#2             8.75   98   631204    10.10 ug/L   -0.02
   Spiked Amount     10.000   Range  80 - 120    Recovery   =  101.00%
  51) Bromofluorobenzene SMC#3    10.47   95   180962     9.49 ug/L   -0.02
   Spiked Amount     10.000   Range  80 - 120    Recovery   =   94.90%

 Target Compounds                                                  Qvalue

-------------------------------------------------------------------------
 (#) = qualifier out of range (m) = manual integration
 14JUN17.D  82605C.M      Wed Jun 15 06:19:15 2022                        Page 1
```

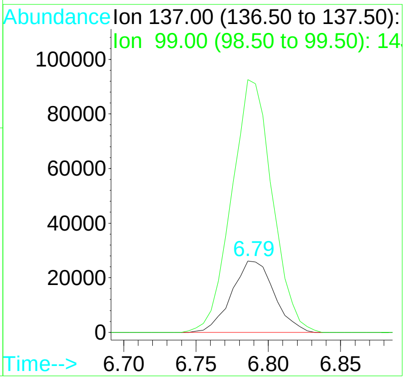
Quantitation Report

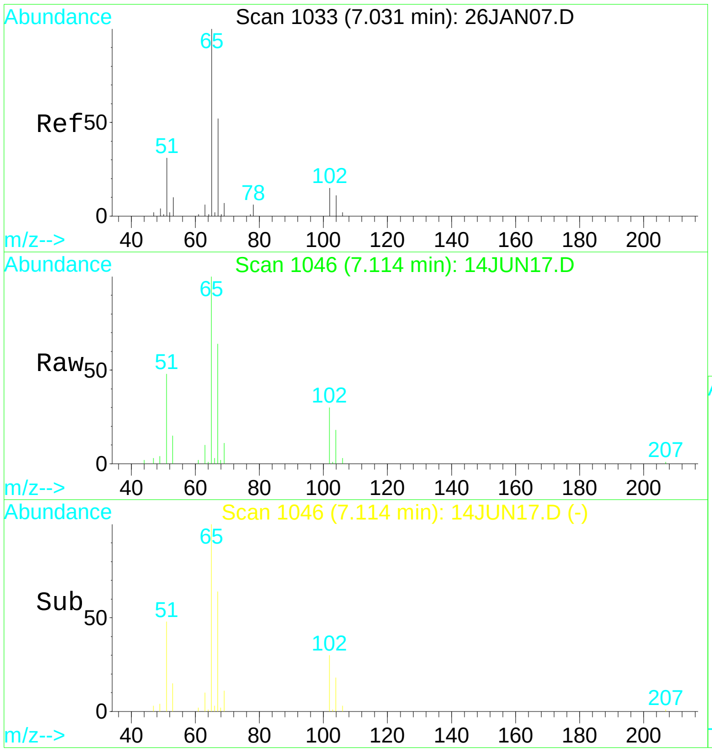
```
Data File : D:\DATA\JUN2022C\JUN14\14JUN17.D            Vial: 17
Acq On    : 14 Jun 2022  11:45 am                    Operator: MGC
Sample    : 2213551-04                               Inst    : MS-V5
Misc      : 1 ;25ML;pH=2                             Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jun 15  6:16 2022            Quant Results File: 82605C.RES

Method       : C:\HPCHEM\1\METHODS\C\202206\10-1156\82605C.M (RTE Integrator)
Title        : EPA Method  8260C/D
Last Update  : Tue Jun 14 08:18:30 2022
Response via : Initial Calibration
```



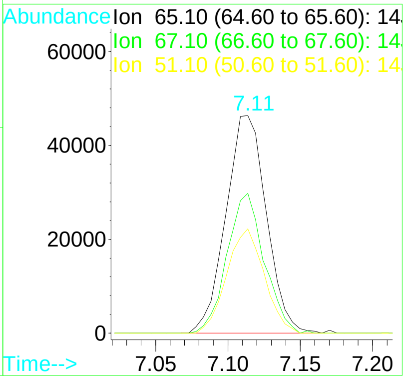


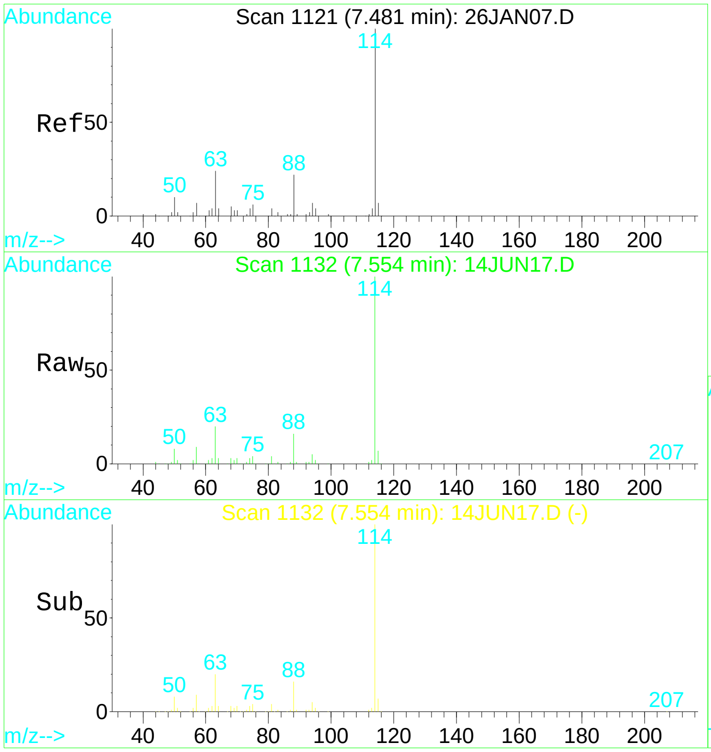
```
#1
Pentafluorobenzene IS#1
Concen:   10.00 ug/L
RT: 6.79 min  Scan# 982
Delta R.T.   -0.02 min
Lab File:   14JUN17.D
Acq: 14 Jun 2022  11:45 am

Tgt Ion:137 Resp:   53273
Ion  Ratio  Lower  Upper
137  100
 99  339.5  1352.1  2511.0#
```



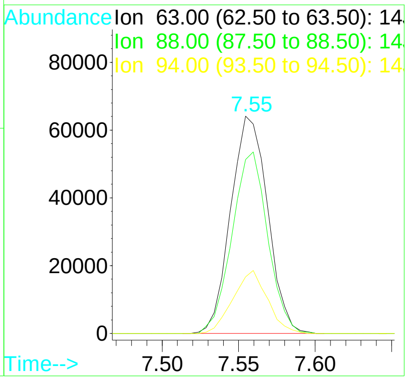


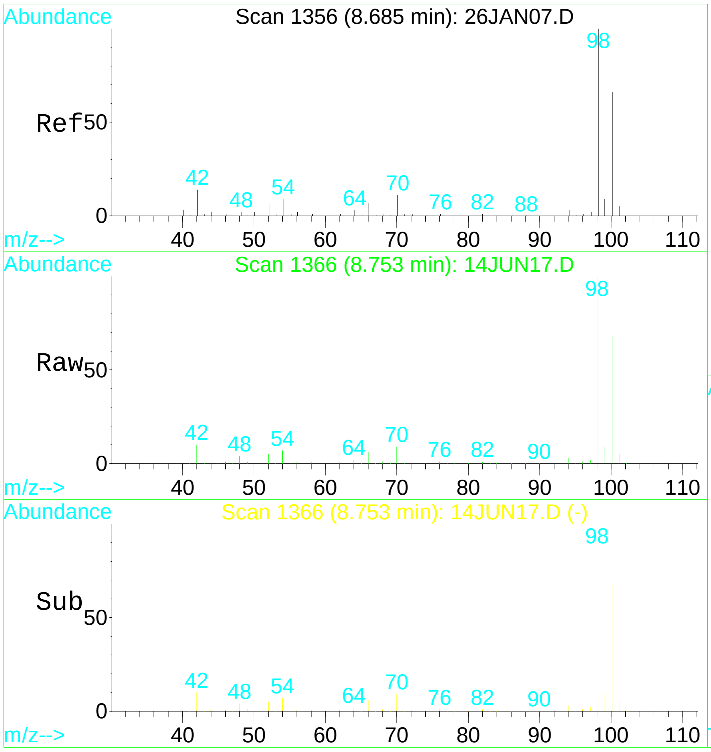
```
#23
1,2-dichloroethane d4 SMC #1
Concen:    N.D. ug/L
RT: 7.11 min  Scan# 1046
Delta R.T.   -0.01 min
Lab File:   14JUN17.D
Acq: 14 Jun 2022  11:45 am

Tgt Ion: 65 Resp:   90405
Ion  Ratio  Lower  Upper
 65  100
 67   58.9   41.2   76.4
 51   44.3  449.7  835.3#
```



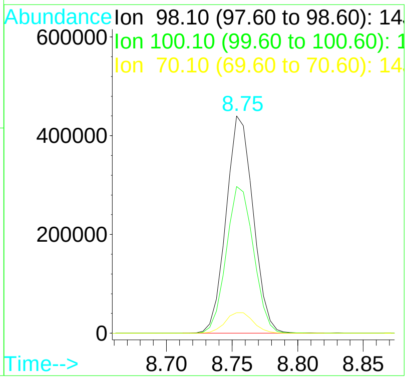


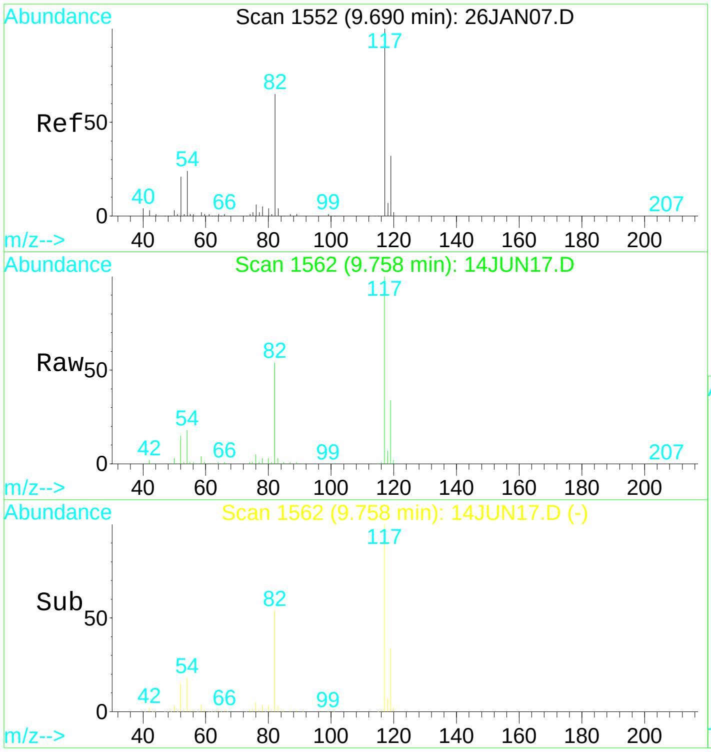
```
#26
1,4-Difluorobenzene  IS#2
Concen:   10.00 ug/L
RT: 7.55 min  Scan# 1132
Delta R.T.   -0.02 min
Lab File:   14JUN17.D
Acq: 14 Jun 2022  11:45 am

Tgt Ion: 63 Resp:  107693
Ion  Ratio  Lower  Upper
 63  100
 88   80.6   56.5  104.9
 94   27.0   19.0   35.4
```



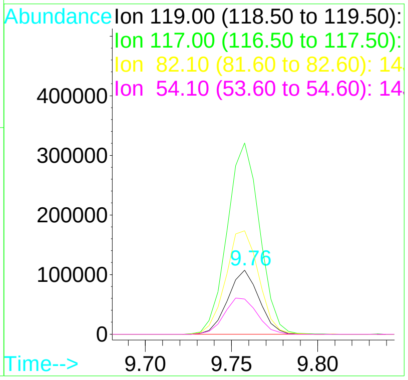


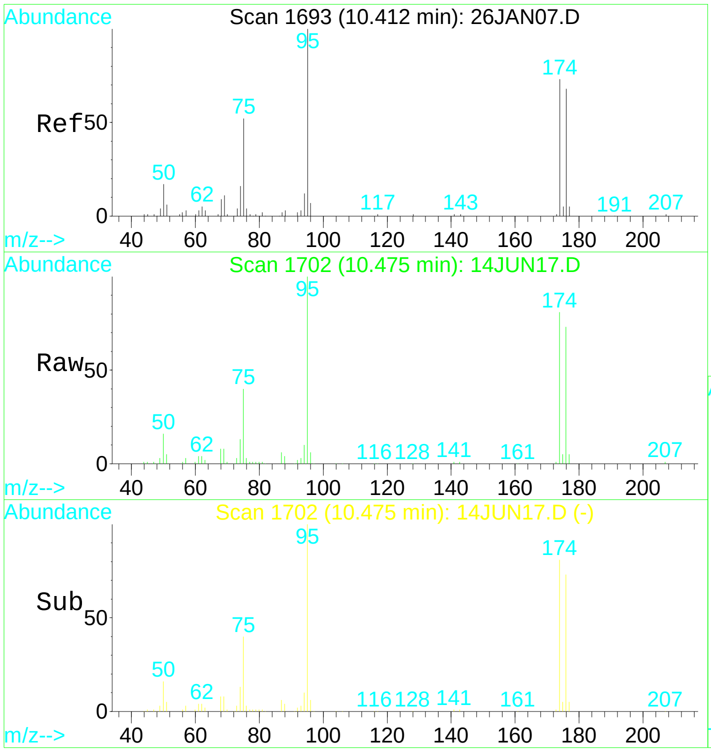
```
#33
Toluene d8 SMC#2
Concen:    N.D. ug/L
RT: 8.75 min  Scan# 1366
Delta R.T.   -0.02 min
Lab File:   14JUN17.D
Acq: 14 Jun 2022  11:45 am

Tgt Ion: 98 Resp:  631204
Ion  Ratio  Lower  Upper
 98  100
100   68.3   48.0   89.2
 70    9.9    7.1   13.3
```



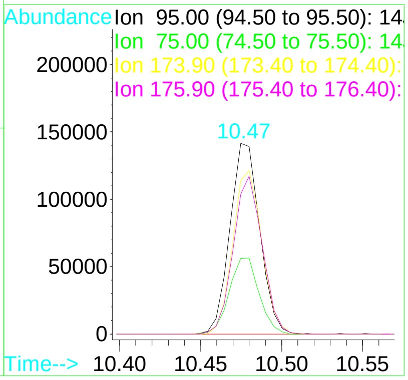


```
#41
Chlorobenzene d5 IS#3
Concen:   10.00 ug/L
RT: 9.76 min  Scan# 1562
Delta R.T.   -0.01 min
Lab File:   14JUN17.D
Acq: 14 Jun 2022  11:45 am

Tgt Ion:119 Resp:  135738
Ion  Ratio  Lower  Upper
119  100
117  309.3  214.1  397.7
 82  170.6  119.0  221.0
 54   59.4   42.1   78.1
```





```
#51
Bromofluorobenzene SMC#3
Concen:    N.D. ug/L
RT: 10.47 min  Scan# 1702
Delta R.T.   -0.02 min
Lab File:   14JUN17.D
Acq: 14 Jun 2022  11:45 am

Tgt Ion: 95 Resp:  180962
Ion  Ratio  Lower  Upper
 95  100
 75   39.8   28.3   52.5
174   83.8   61.7  114.7
176   80.1   59.2  110.0
```

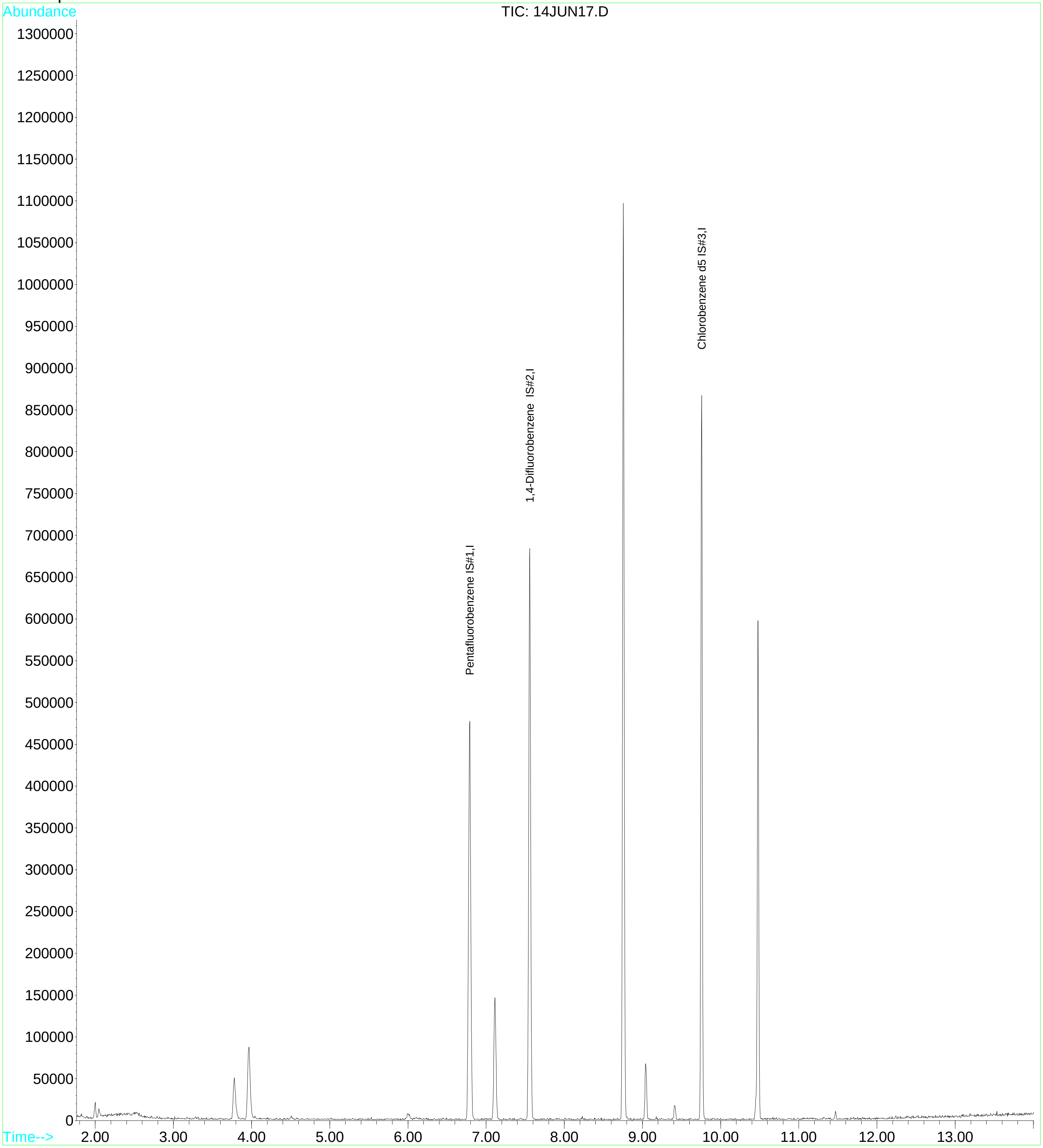


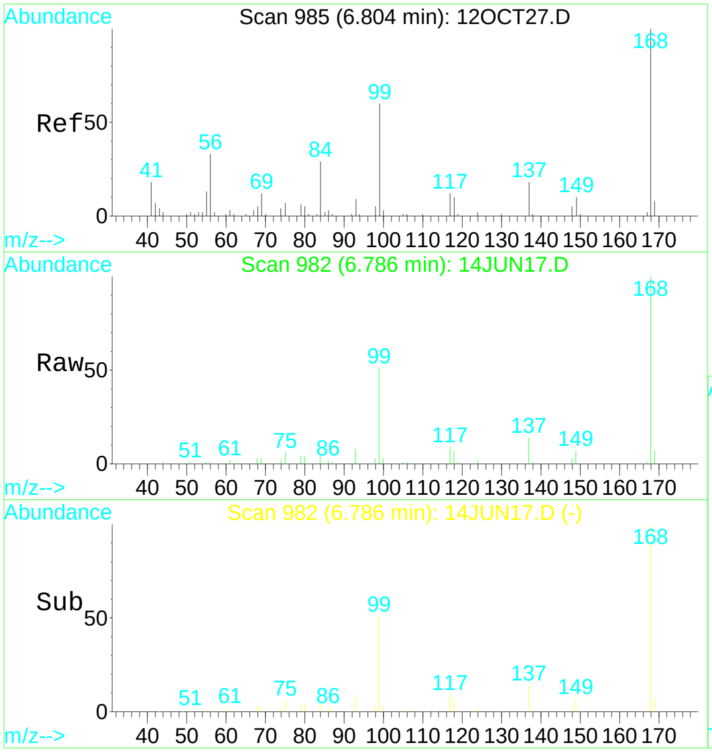
```
                              Quantitation Report    (QT Reviewed)

Data File : D:\DATA\JUN2022C\JUN14\14JUN17.D            Vial: 17
Acq On    : 14 Jun 2022  11:45 am                   Operator: MGC
Sample    : 2213551-04                              Inst    : MS-V5
Misc      : 1 ;25ML;pH=2                            Multiplr: 1.00
MS Integration Params: rteint.p
 Quant Time: Jun 15  7:13 2022             Quant Results File: 82605CX.RES

Quant Method : C:\HPCHEM\1...\82605CX.M (RTE Integrator)
Title        : EPA Method 8260C/DX
Last Update  : Tue Jun 14 08:47:02 2022
Response via : Initial Calibration
DataAcq Meth : 82605

 Internal Standards                R.T. QIon  Response  Conc Units Dev(Min)
 -------------------------------------------------------------------------
   1) Pentafluorobenzene IS#1      6.79  137    53273    10.00 ug/L   -0.03
  29) 1,4-Difluorobenzene  IS#2    7.55   63   107693    10.00 ug/L   -0.02
  36) Chlorobenzene d5 IS#3        9.76  119   135738    10.00 ug/L   -0.01

 Target Compounds                                                    Qvalue
```

```
 -------------------------------------------------------------------------
 (#) = qualifier out of range (m) = manual integration
```

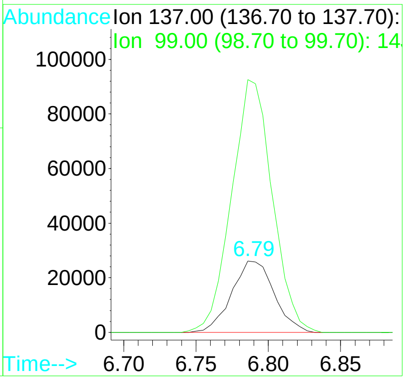
Quantitation Report

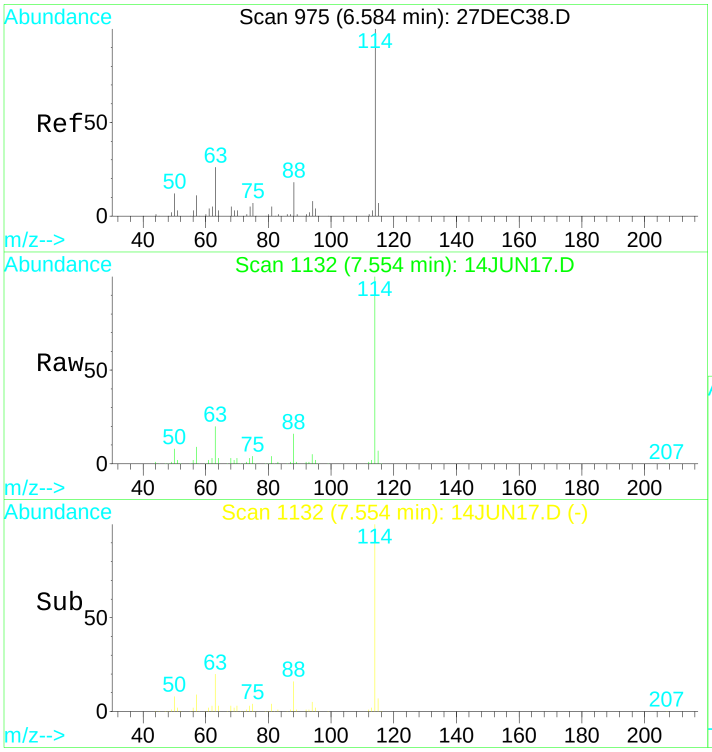
```
Data File : D:\DATA\JUN2022C\JUN14\14JUN17.D           Vial: 17
Acq On    : 14 Jun 2022  11:45 am                   Operator: MGC
Sample    : 2213551-04                              Inst    : MS-V5
Misc      : 1 ;25ML;pH=2                            Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jun 15  7:13 2022           Quant Results File: 82605CX.RES

Method       : C:\HPCHEM\1\METHODS\C\202206\10-1632\82605CX.M (RTE Integrator)
Title        : EPA Method 8260C/DX
Last Update  : Tue Jun 14 08:47:02 2022
Response via : Initial Calibration
```



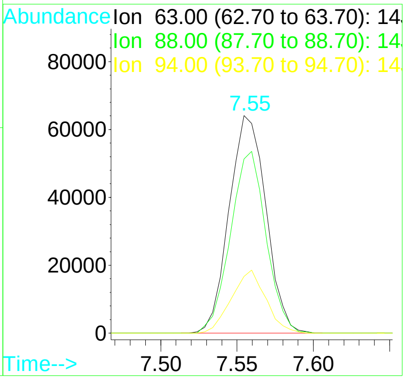


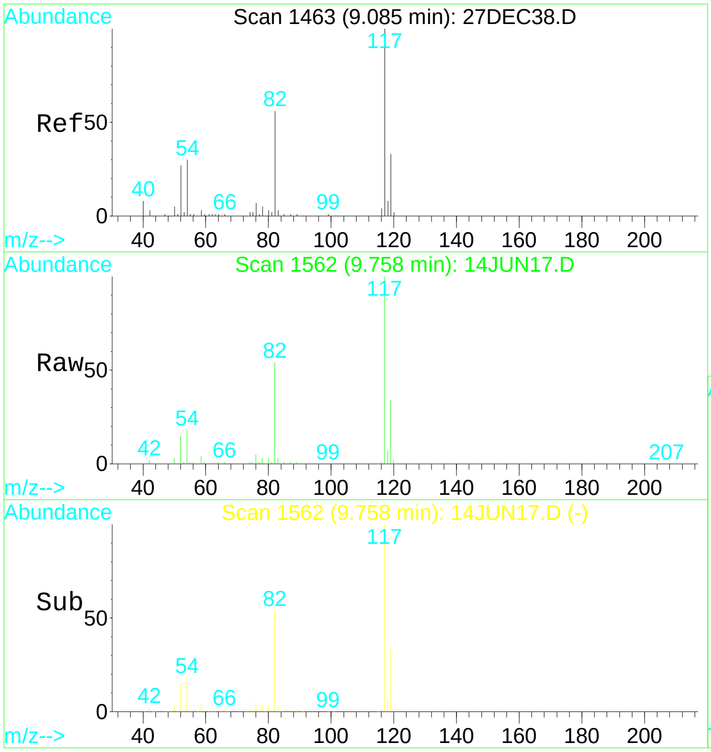
```
#1
Pentafluorobenzene IS#1
Concen:   10.00 ug/L
RT: 6.79 min  Scan# 982
Delta R.T.   -0.03 min
Lab File:   14JUN17.D
Acq: 14 Jun 2022  11:45 am

Tgt Ion:137 Resp:   53273
Ion  Ratio  Lower  Upper
137  100
 99  339.5  270.7  502.7
```



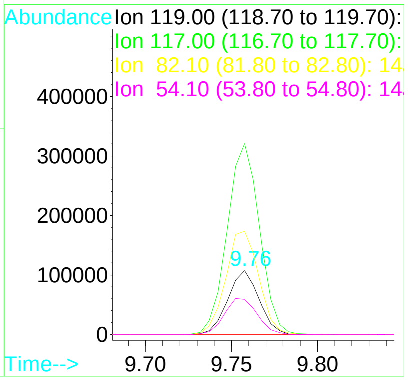


```
#29
1,4-Difluorobenzene  IS#2
Concen:   10.00 ug/L
RT: 7.55 min  Scan# 1132
Delta R.T.   -0.02 min
Lab File:   14JUN17.D
Acq: 14 Jun 2022  11:45 am

Tgt Ion: 63 Resp:  107693
Ion  Ratio  Lower  Upper
 63  100
 88   80.6   58.6  108.8
 94   27.0   20.2   37.6
```



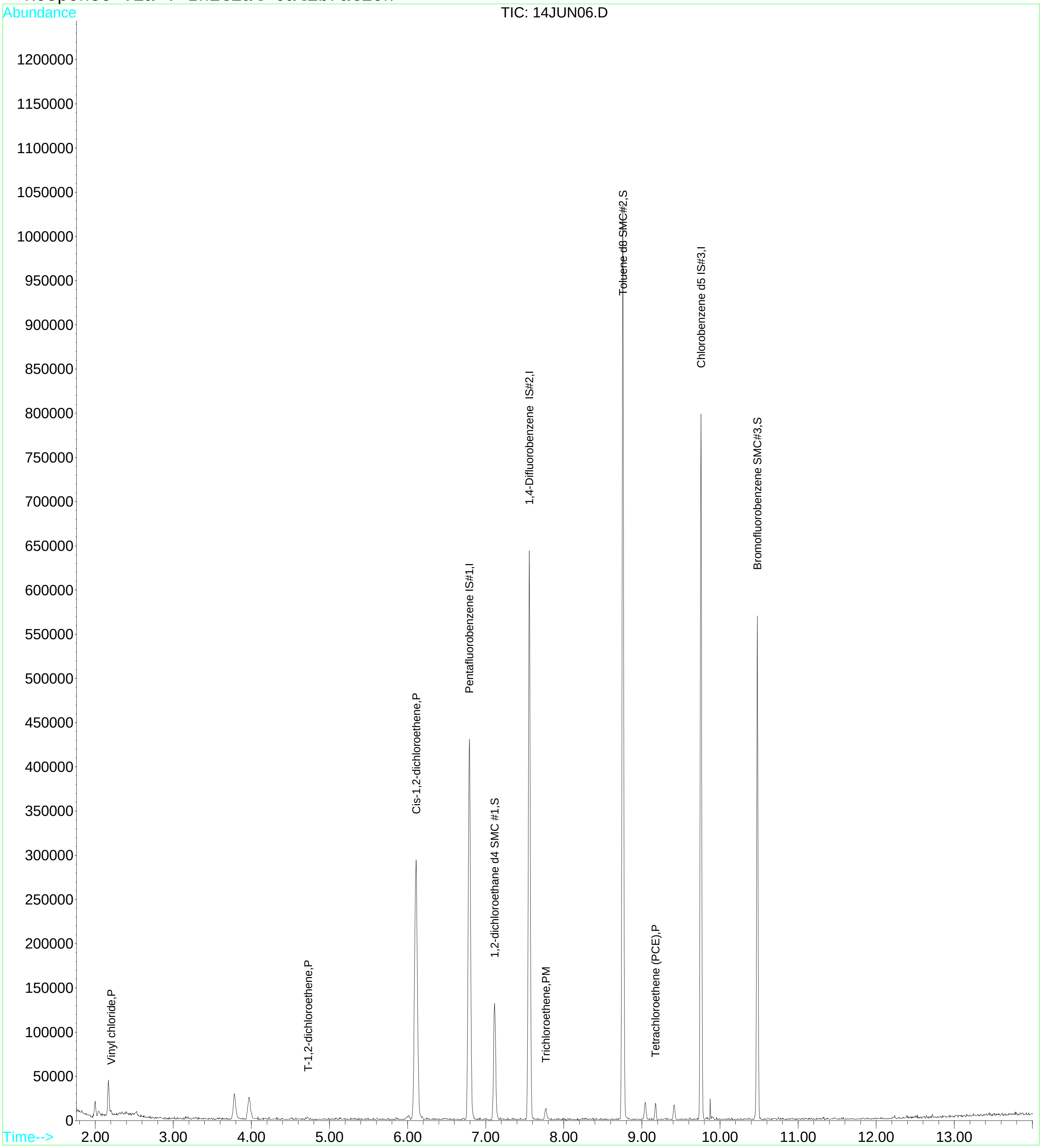


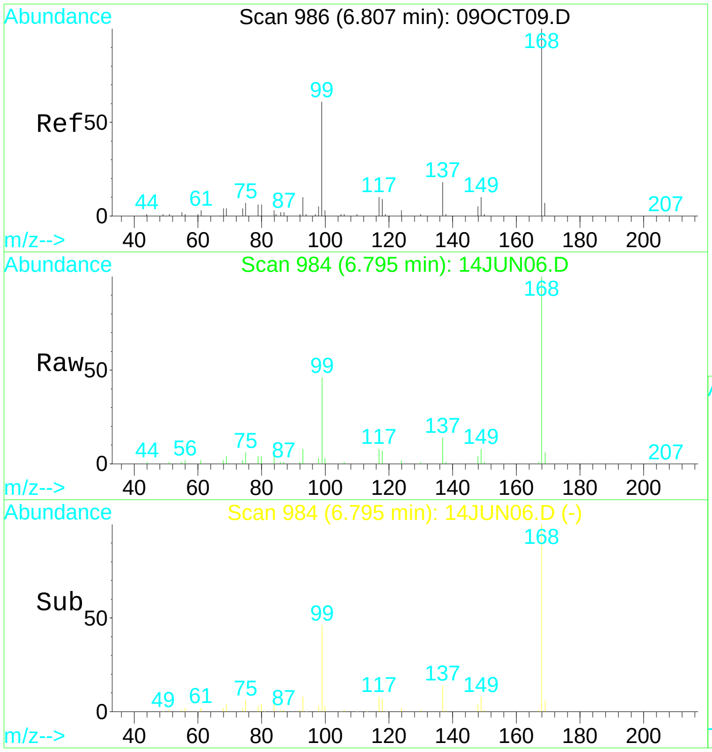
```
#36
Chlorobenzene d5 IS#3
Concen:   10.00 ug/L
RT: 9.76 min  Scan# 1562
Delta R.T.   -0.01 min
Lab File:   14JUN17.D
Acq: 14 Jun 2022  11:45 am

Tgt Ion:119 Resp:  135738
Ion  Ratio  Lower  Upper
119  100
117  309.3  212.7  395.1
 82  170.6  118.4  220.0
 54   59.4   40.5   75.1
```



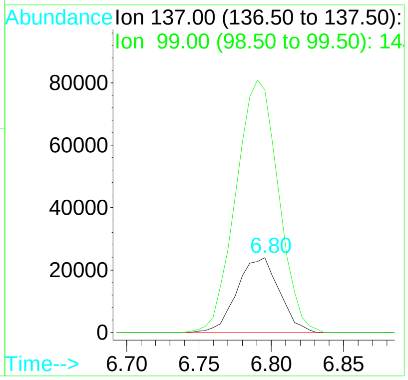
```
                              Quantitation Report    (QT Reviewed)

Data File : D:\DATA\JUN2022C\JUN14\14JUN06.D             Vial: 6
Acq On    : 14 Jun 2022   7:16 am                    Operator: MGC
Sample    : 2213551-05                               Inst    : MS-V5
Misc      : 1 Unspiked;25ML;pH=2                     Multiplr: 1.00
MS Integration Params: rteint.p
 Quant Time: Jun 15  5:57 2022             Quant Results File: 82605C.RES

Quant Method : C:\HPCHEM\1...\82605C.M (RTE Integrator)
Title        : EPA Method  8260C/D
Last Update  : Tue Jun 14 08:18:30 2022
Response via : Initial Calibration
DataAcq Meth : 82605

 Internal Standards                R.T. QIon  Response  Conc Units Dev(Min)
 -------------------------------------------------------------------------
   1) Pentafluorobenzene IS#1      6.80  137    48284    10.00 ug/L   -0.01
  26) 1,4-Difluorobenzene  IS#2    7.56   63    98644    10.00 ug/L   -0.01
  41) Chlorobenzene d5 IS#3        9.76  119   124353    10.00 ug/L   -0.01

 System Monitoring Compounds
  23) 1,2-dichloroethane d4 SMC    7.11   65    78549     9.46 ug/L   -0.02
   Spiked Amount     10.000   Range  75 - 125    Recovery   =   94.60%
  33) Toluene d8 SMC#2             8.76   98   582446    10.17 ug/L   -0.01
   Spiked Amount     10.000   Range  80 - 120    Recovery   =  101.70%
  51) Bromofluorobenzene SMC#3    10.48   95   165833     9.49 ug/L   -0.01
   Spiked Amount     10.000   Range  80 - 120    Recovery   =   94.90%

 Target Compounds                                                 Qvalue
   5) Vinyl chloride               2.20   62     2341     0.17 ug/L #     1
  14) T-1,2-dichloroethene         4.73   96     1315     0.07 ug/L #    64
  17) Cis-1,2-dichloroethene       6.11   96   187604    10.16 ug/L      91
  27) Trichloroethene              7.77  130     4979     0.28 ug/L      93
  37) Tetrachloroethene (PCE)      9.17  166     4727     0.25 ug/L      98

 -------------------------------------------------------------------------
 (#) = qualifier out of range (m) = manual integration
 14JUN06.D  82605C.M      Wed Jun 15 05:57:53 2022                          Page 1
```

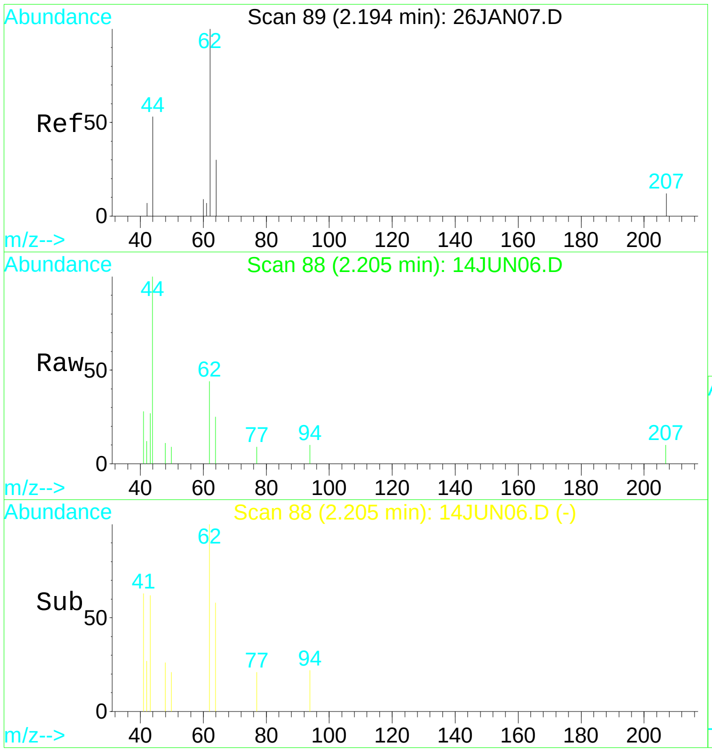
```
                                    Quantitation Report

  Data File : D:\DATA\JUN2022C\JUN14\14JUN06.D              Vial: 6
  Acq On    : 14 Jun 2022   7:16 am                     Operator: MGC
  Sample    : 2213551-05                                Inst    : MS-V5
  Misc      : 1 Unspiked;25ML;pH=2                      Multiplr: 1.00
  MS Integration Params: rteint.p
  Quant Time: Jun 15  5:57 2022            Quant Results File: 82605C.RES

  Method       : C:\HPCHEM\1\METHODS\C\202206\10-1156\82605C.M (RTE Integrator)
  Title        : EPA Method  8260C/D
  Last Update  : Tue Jun 14 08:18:30 2022
  Response via : Initial Calibration
```



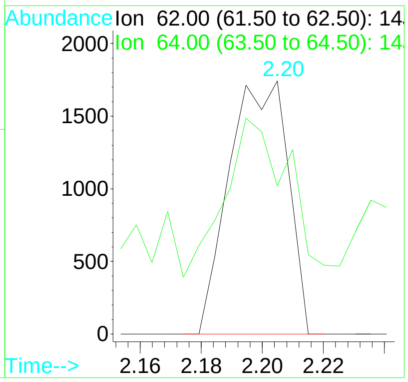


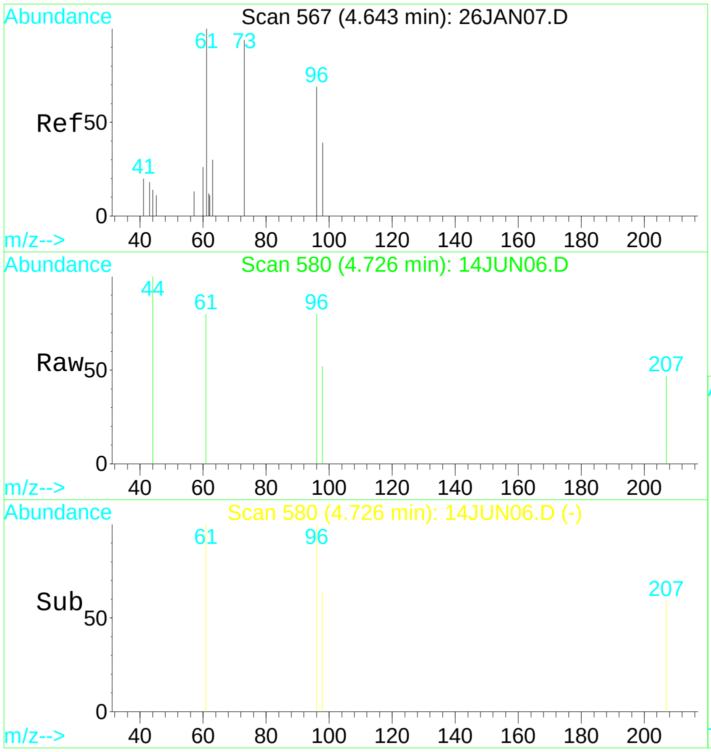
```
#1
Pentafluorobenzene IS#1
Concen:   10.00 ug/L
RT: 6.80 min  Scan# 984
Delta R.T.   -0.01 min
Lab File:   14JUN06.D
Acq: 14 Jun 2022   7:16 am

Tgt Ion:137 Resp:   48284
Ion  Ratio  Lower  Upper
137  100
 99  342.1  1352.1  2511.0#
```



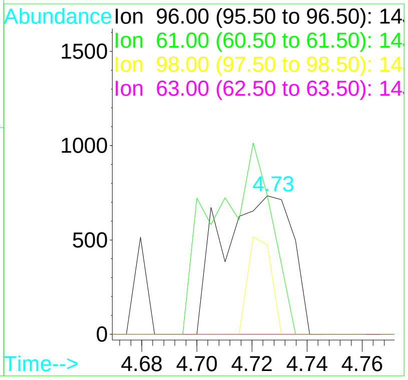


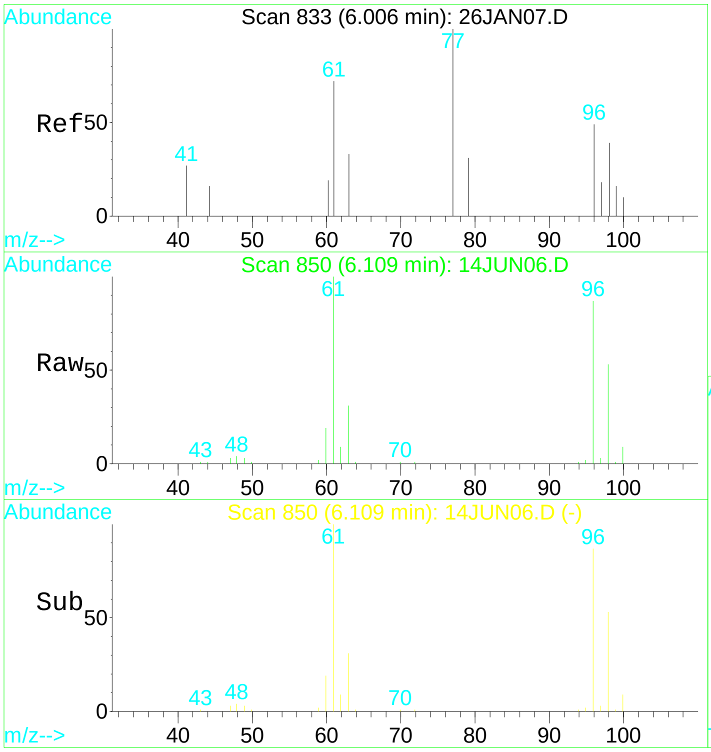
```
#5
Vinyl chloride
Concen:    0.17 ug/L
RT: 2.20 min  Scan# 88
Delta R.T.   0.00 min
Lab File:   14JUN06.D
Acq: 14 Jun 2022   7:16 am

Tgt Ion: 62 Resp:    2341
Ion  Ratio  Lower  Upper
 62  100
 64  118.9   23.1   42.9#
```



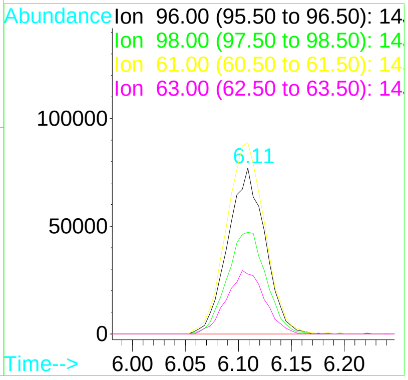


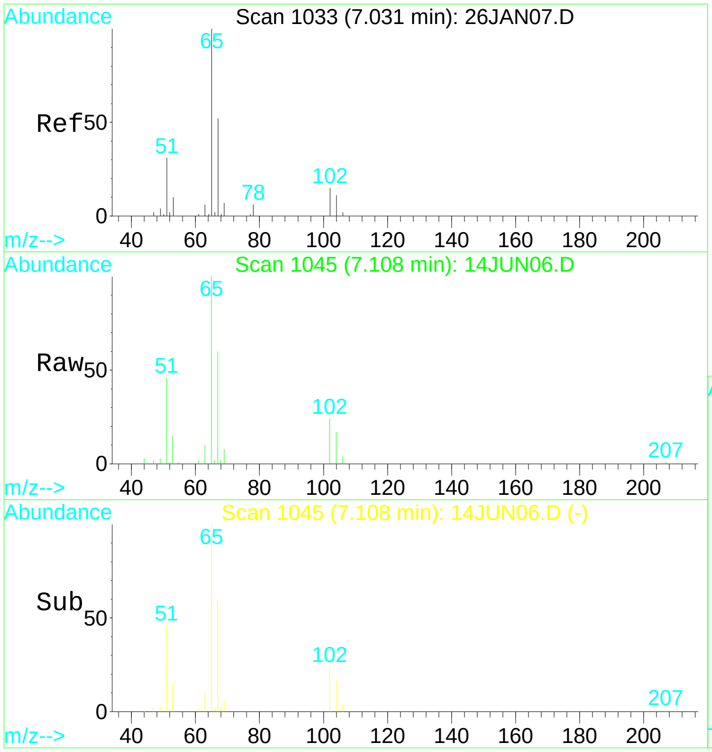
```
#14
T-1,2-dichloroethene
Concen:    0.07 ug/L
RT: 4.73 min  Scan# 580
Delta R.T.   -0.00 min
Lab File:   14JUN06.D
Acq: 14 Jun 2022   7:16 am

Tgt Ion: 96 Resp:    1315
Ion  Ratio  Lower  Upper
 96  100
 61  111.0   91.6  170.2
 98   23.1   45.3   84.1#
 63    0.0   30.8   57.2#
```



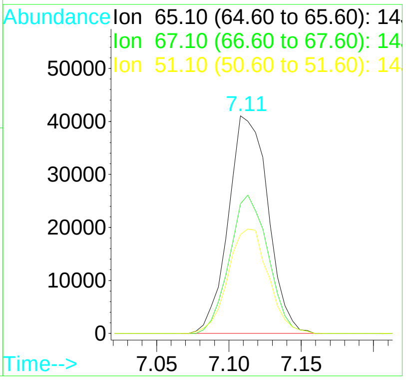


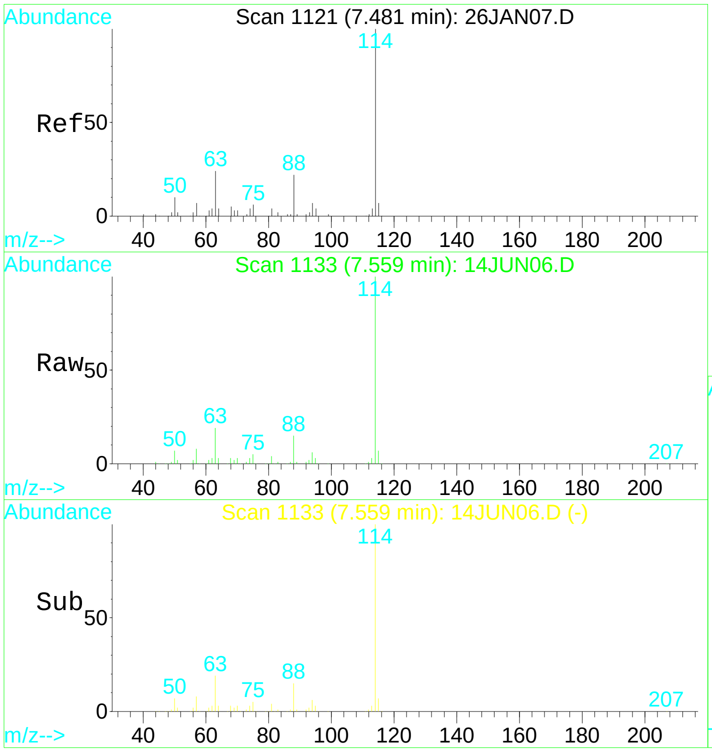
```
#17
Cis-1,2-dichloroethene
Concen:   10.16 ug/L
RT: 6.11 min  Scan# 850
Delta R.T.   -0.02 min
Lab File:   14JUN06.D
Acq: 14 Jun 2022   7:16 am

Tgt Ion: 96 Resp:  187604
Ion  Ratio  Lower  Upper
 96  100
 98   64.5   45.6   84.8
 61  119.7   94.5  175.5
 63   39.1   31.6   58.8
```



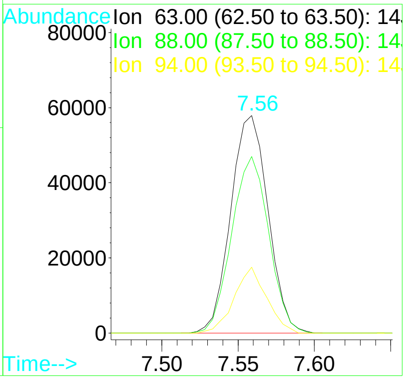


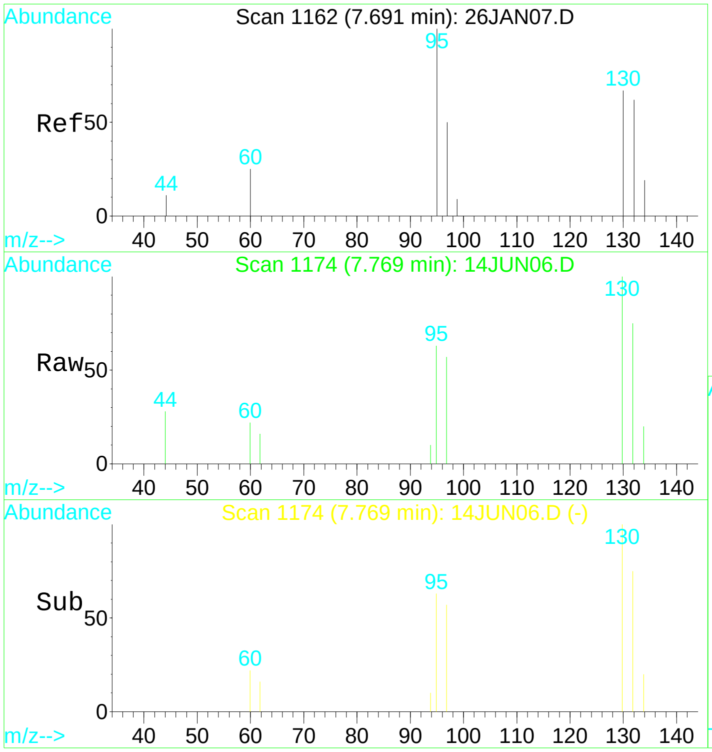
```
#23
1,2-dichloroethane d4 SMC #1
Concen:     N.D. ug/L
RT: 7.11 min  Scan# 1045
Delta R.T.    -0.02 min
Lab File:   14JUN06.D
Acq: 14 Jun 2022   7:16 am

Tgt Ion: 65 Resp:    78549
Ion   Ratio  Lower  Upper
 65   100
 67    61.6   41.2   76.4
 51    48.7  449.7  835.3#
```



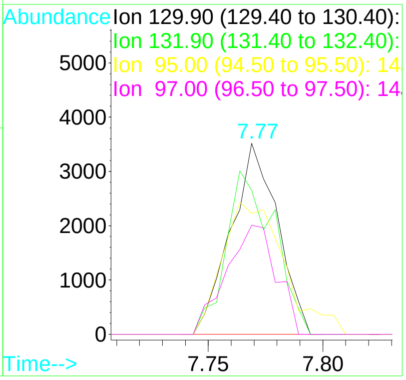


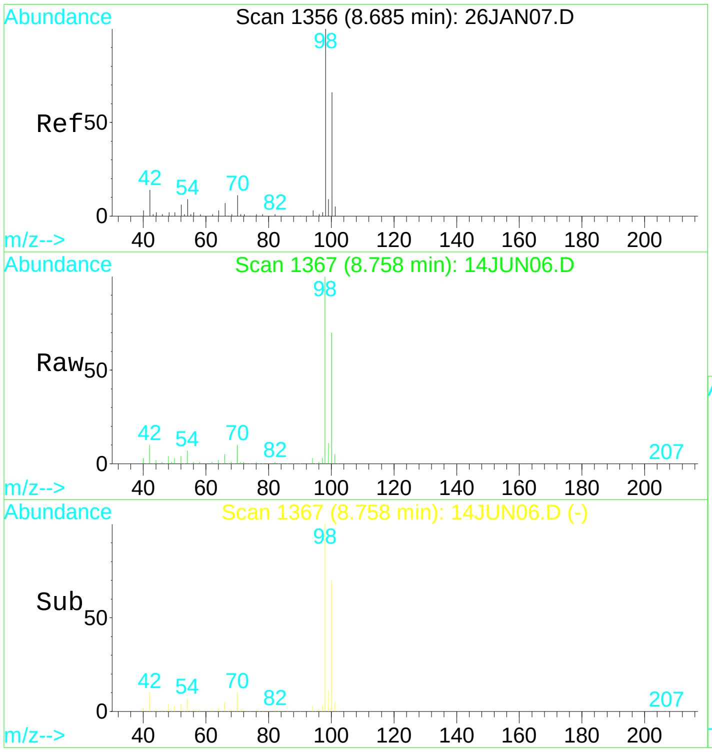
```
#26
1,4-Difluorobenzene  IS#2
Concen:    10.00 ug/L
RT: 7.56 min  Scan# 1133
Delta R.T.    -0.01 min
Lab File:   14JUN06.D
Acq: 14 Jun 2022   7:16 am

Tgt Ion: 63 Resp:    98644
Ion   Ratio  Lower  Upper
 63   100
 88    80.9   56.5  104.9
 94    26.3   19.0   35.4
```



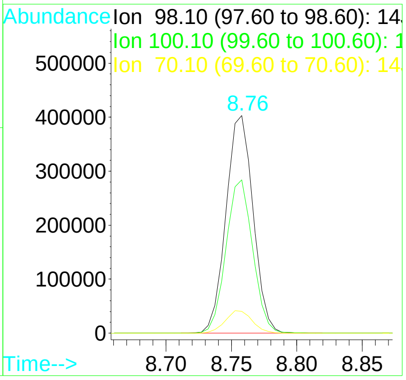


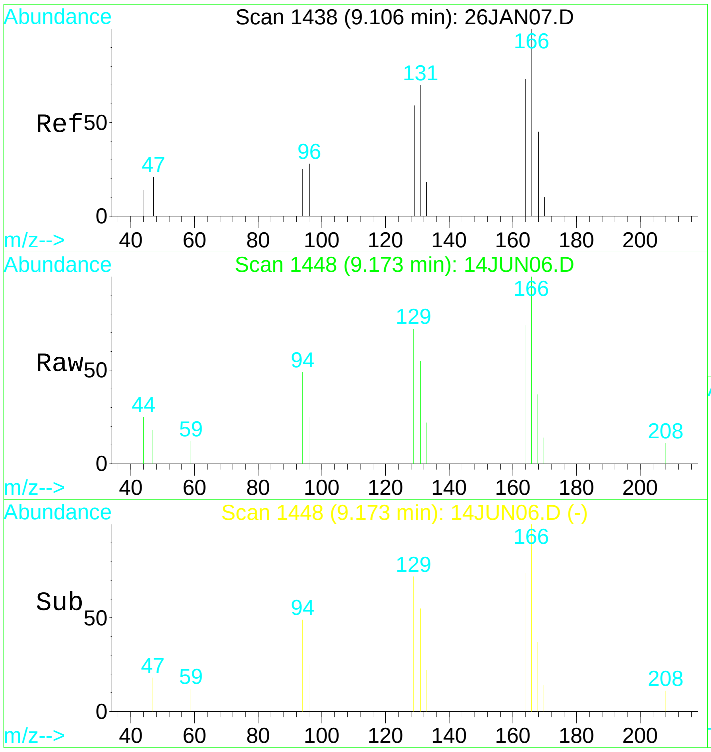
```
#27
Trichloroethene
Concen:    0.28 ug/L
RT: 7.77 min  Scan# 1174
Delta R.T.   -0.01 min
Lab File:   14JUN06.D
Acq: 14 Jun 2022   7:16 am

Tgt Ion:130 Resp:    4979
Ion  Ratio  Lower  Upper
130  100
132   88.2   67.8  126.0
 95   91.5   69.4  129.0
 97   61.4   45.4   84.4
```



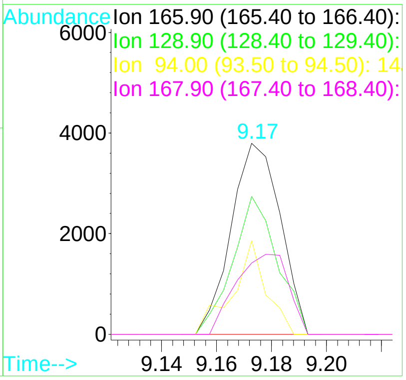


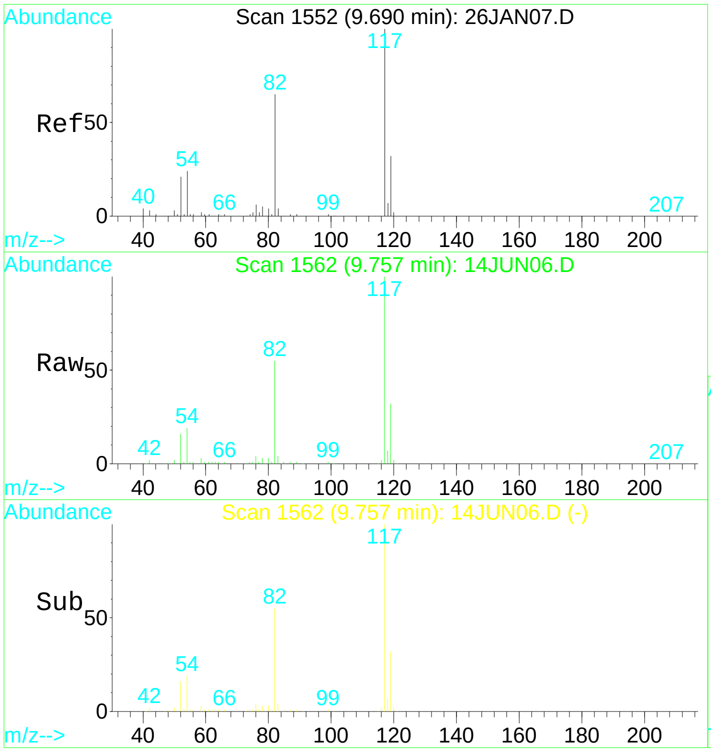
```
#33
Toluene d8 SMC#2
Concen:    N.D. ug/L
RT: 8.76 min  Scan# 1367
Delta R.T.   -0.01 min
Lab File:   14JUN06.D
Acq: 14 Jun 2022   7:16 am

Tgt Ion: 98 Resp:   582446
Ion  Ratio  Lower  Upper
 98  100
100   68.9   48.0   89.2
 70   10.2    7.1   13.3
```



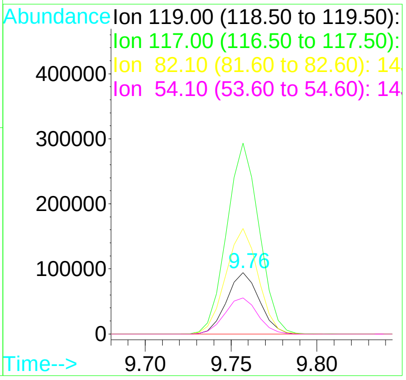


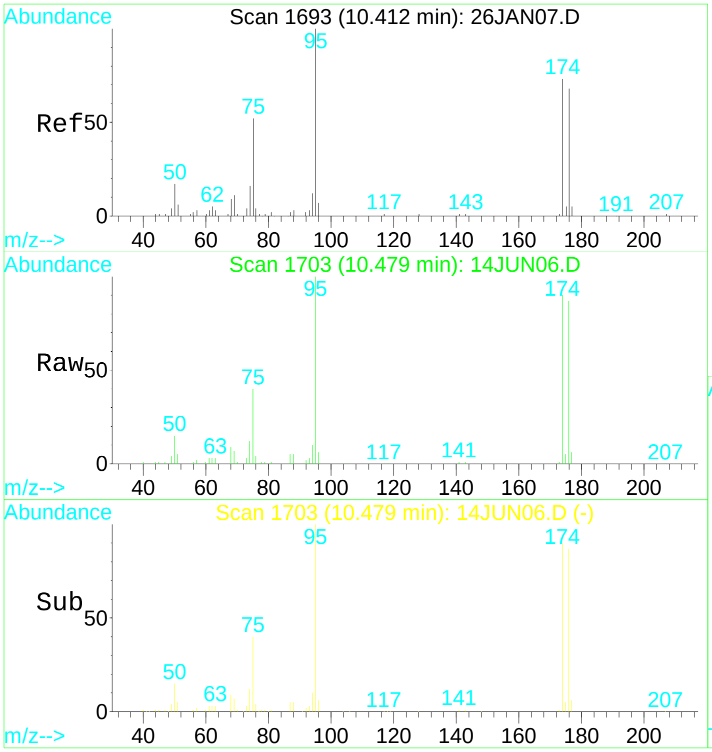
```
#37
Tetrachloroethene (PCE)
Concen:    0.25 ug/L
RT: 9.17 min  Scan# 1448
Delta R.T.   -0.01 min
Lab File:   14JUN06.D
Acq: 14 Jun 2022   7:16 am

Tgt Ion:166 Resp:    4727
Ion  Ratio  Lower  Upper
166  100
129   65.6   45.9   85.3
 94   33.4   24.3   45.1
168   45.1   34.1   63.3
```



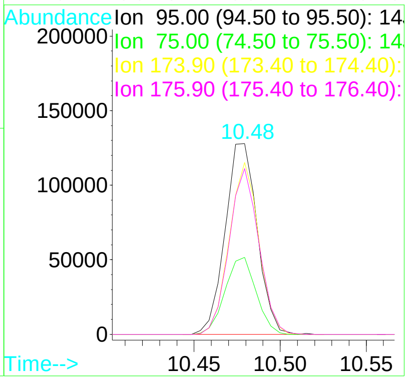


```
#41
Chlorobenzene d5 IS#3
Concen:   10.00 ug/L
RT: 9.76 min  Scan# 1562
Delta R.T.   -0.01 min
Lab File:   14JUN06.D
Acq: 14 Jun 2022   7:16 am

Tgt Ion:119 Resp:  124353
Ion  Ratio  Lower  Upper
119  100
117  309.2  214.1  397.7
 82  170.3  119.0  221.0
 54   59.3   42.1   78.1
```





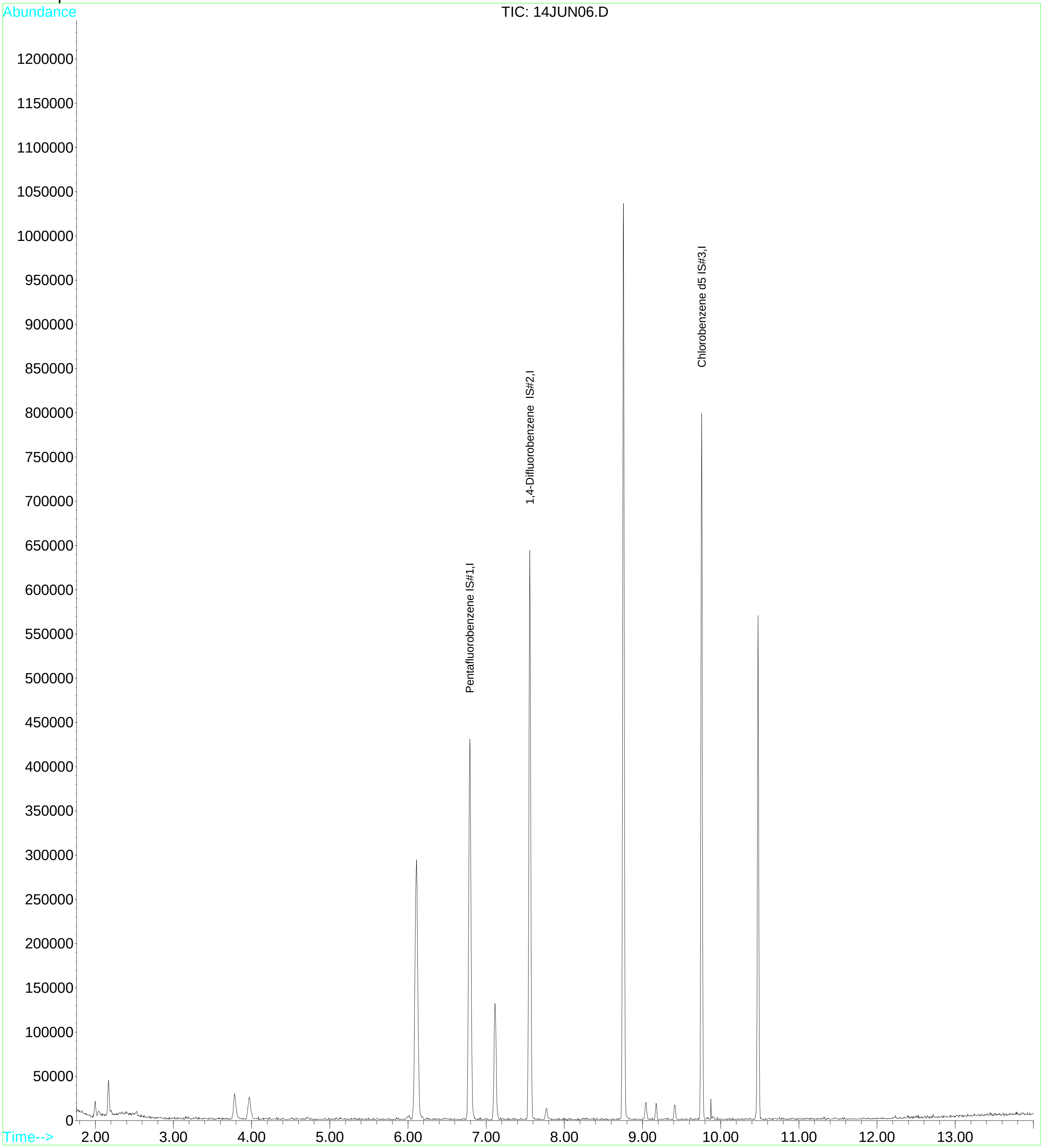
```
#51
Bromofluorobenzene SMC#3
Concen:    N.D. ug/L
RT: 10.48 min  Scan# 1703
Delta R.T.   -0.01 min
Lab File:   14JUN06.D
Acq: 14 Jun 2022   7:16 am

Tgt Ion: 95 Resp:  165833
Ion  Ratio  Lower  Upper
 95  100
 75   39.0   28.3   52.5
174   83.0   61.7  114.7
176   80.8   59.2  110.0
```

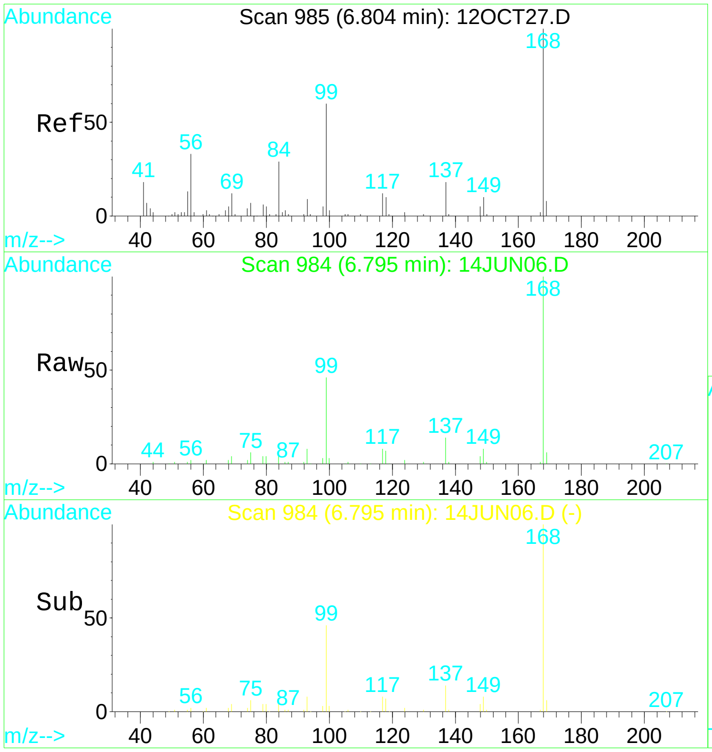


```
                              Quantitation Report    (QT Reviewed)

Data File : D:\DATA\JUN2022C\JUN14\14JUN06.D            Vial: 6
Acq On    : 14 Jun 2022   7:16 am                   Operator: MGC
Sample    : 2213551-05                              Inst    : MS-V5
Misc      : 1 Unspiked;25ML;pH=2                    Multiplr: 1.00
MS Integration Params: rteint.p
 Quant Time: Jun 15  5:59 2022             Quant Results File: 82605CX.RES

Quant Method : C:\HPCHEM\1...\82605CX.M (RTE Integrator)
Title        : EPA Method 8260C/DX
Last Update  : Tue Jun 14 08:47:02 2022
Response via : Initial Calibration
DataAcq Meth : 82605

 Internal Standards                R.T. QIon  Response  Conc Units Dev(Min)
 -------------------------------------------------------------------------
   1) Pentafluorobenzene IS#1      6.80  137     48284    10.00 ug/L   -0.02
  29) 1,4-Difluorobenzene  IS#2    7.56   63     98644    10.00 ug/L   -0.01
  36) Chlorobenzene d5 IS#3        9.76  119    124353    10.00 ug/L   -0.01

 Target Compounds                                                    Qvalue
































 -------------------------------------------------------------------------
 (#) = qualifier out of range (m) = manual integration
 14JUN06.D  82605CX.M      Wed Jun 15 06:00:10 2022                         Page 1
```

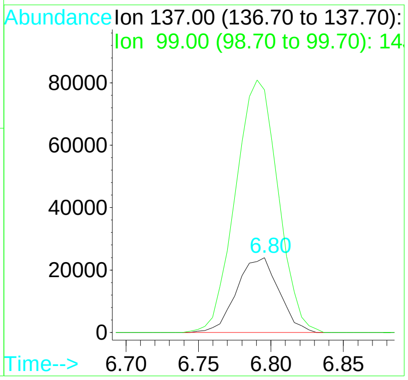
Quantitation Report

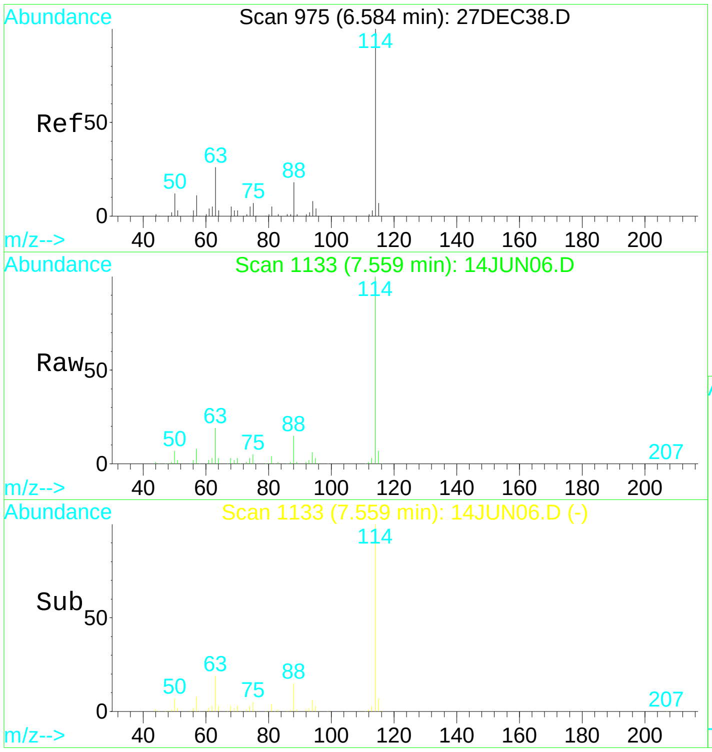
```
Data File : D:\DATA\JUN2022C\JUN14\14JUN06.D            Vial: 6
Acq On    : 14 Jun 2022   7:16 am                   Operator: MGC
Sample    : 2213551-05                              Inst    : MS-V5
Misc      : 1 Unspiked;25ML;pH=2                    Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jun 15  5:59 2022             Quant Results File: 82605CX.RES

Method       : C:\HPCHEM\1\METHODS\C\202206\10-1632\82605CX.M (RTE Integrator)
Title        : EPA Method 8260C/DX
Last Update  : Tue Jun 14 08:47:02 2022
Response via : Initial Calibration
```



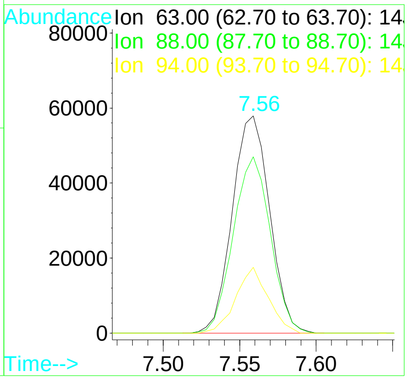


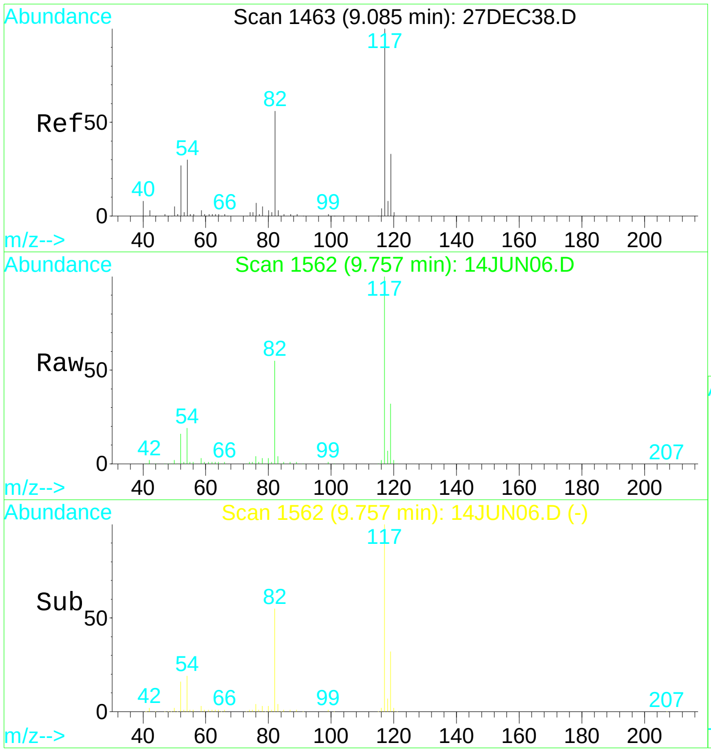
```
#1
Pentafluorobenzene IS#1
Concen:   10.00 ug/L
RT: 6.80 min  Scan# 984
Delta R.T.   -0.02 min
Lab File:   14JUN06.D
Acq: 14 Jun 2022   7:16 am

Tgt Ion:137 Resp:   48284
Ion  Ratio  Lower  Upper
137  100
 99  342.1  270.7  502.7
```



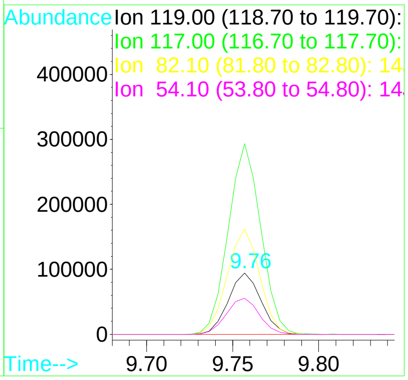


```
#29
1,4-Difluorobenzene  IS#2
Concen:   10.00 ug/L
RT: 7.56 min  Scan# 1133
Delta R.T.   -0.01 min
Lab File:   14JUN06.D
Acq: 14 Jun 2022   7:16 am

Tgt Ion: 63 Resp:   98644
Ion  Ratio  Lower  Upper
 63  100
 88   80.9   58.6  108.8
 94   26.3   20.2   37.6
```





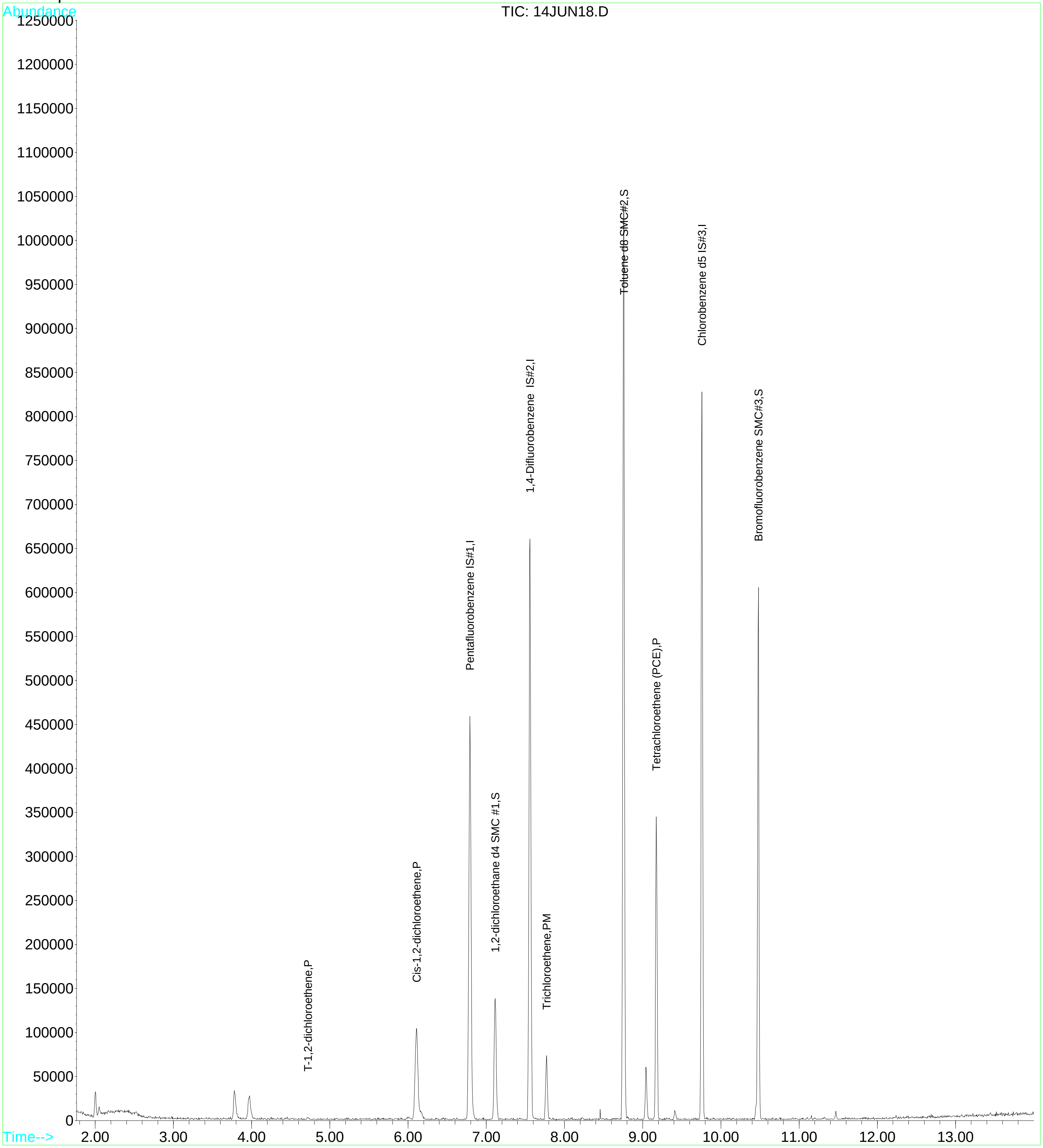
```
#36
Chlorobenzene d5 IS#3
Concen:   10.00 ug/L
RT: 9.76 min  Scan# 1562
Delta R.T.   -0.01 min
Lab File:   14JUN06.D
Acq: 14 Jun 2022   7:16 am

Tgt Ion:119 Resp:  124353
Ion  Ratio  Lower  Upper
119  100
117  309.2  212.7  395.1
 82  170.3  118.4  220.0
 54   59.3   40.5   75.1
```



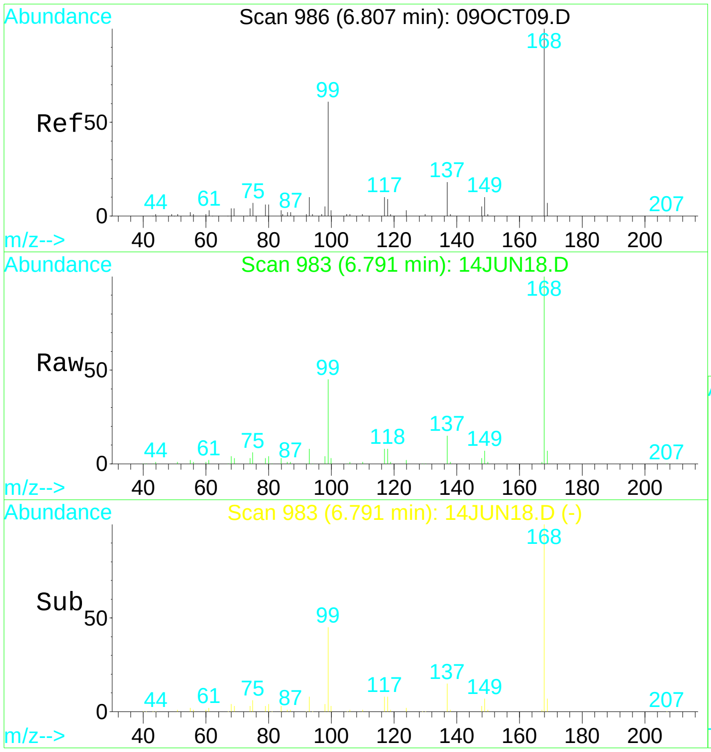
```
                        Quantitation Report    (QT Reviewed)

Data File : D:\DATA\JUN2022C\JUN14\14JUN18.D            Vial: 18
Acq On    : 14 Jun 2022  12:09 pm                   Operator: MGC
Sample    : 2213551-06                              Inst    : MS-V5
Misc      : 1 ;25ML;pH=2                            Multiplr: 1.00
MS Integration Params: rteint.p
 Quant Time: Jun 15  6:17 2022             Quant Results File: 82605C.RES

Quant Method : C:\HPCHEM\1...\82605C.M (RTE Integrator)
Title        : EPA Method  8260C/D
Last Update  : Tue Jun 14 08:18:30 2022
Response via : Initial Calibration
DataAcq Meth : 82605

 Internal Standards                R.T. QIon  Response  Conc Units Dev(Min)
 -------------------------------------------------------------------------
   1) Pentafluorobenzene IS#1      6.79  137    52142    10.00 ug/L   -0.02
  26) 1,4-Difluorobenzene  IS#2    7.56   63   100503    10.00 ug/L   -0.01
  41) Chlorobenzene d5 IS#3        9.76  119   128661    10.00 ug/L   -0.01

 System Monitoring Compounds
  23) 1,2-dichloroethane d4 SMC    7.11   65    84362     9.41 ug/L   -0.02
   Spiked Amount     10.000   Range  75 - 125    Recovery   =   94.10%
  33) Toluene d8 SMC#2             8.76   98   595870    10.22 ug/L   -0.01
   Spiked Amount     10.000   Range  80 - 120    Recovery   =  102.20%
  51) Bromofluorobenzene SMC#3    10.48   95   172531     9.55 ug/L   -0.01
   Spiked Amount     10.000   Range  80 - 120    Recovery   =   95.50%

 Target Compounds                                                 Qvalue
  14) T-1,2-dichloroethene         4.72   96     1091     0.06 ug/L #    63
  17) Cis-1,2-dichloroethene       6.11   96    66911     3.36 ug/L      92
  27) Trichloroethene              7.77  130    23582     1.31 ug/L      96
  37) Tetrachloroethene (PCE)      9.17  166    90276     4.63 ug/L      96













 -------------------------------------------------------------------------
 (#) = qualifier out of range (m) = manual integration
 14JUN18.D  82605C.M      Wed Jun 15 06:19:17 2022                          Page 1
```

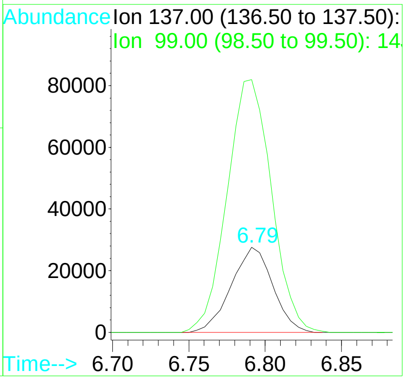
Quantitation Report

```
Data File : D:\DATA\JUN2022C\JUN14\14JUN18.D           Vial: 18
Acq On    : 14 Jun 2022  12:09 pm                  Operator: MGC
Sample    : 2213551-06                             Inst    : MS-V5
Misc      : 1 ;25ML;pH=2                           Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jun 15  6:17 2022             Quant Results File: 82605C.RES

Method       : C:\HPCHEM\1\METHODS\C\202206\10-1156\82605C.M (RTE Integrator)
Title        : EPA Method  8260C/D
Last Update  : Tue Jun 14 08:18:30 2022
Response via : Initial Calibration
```

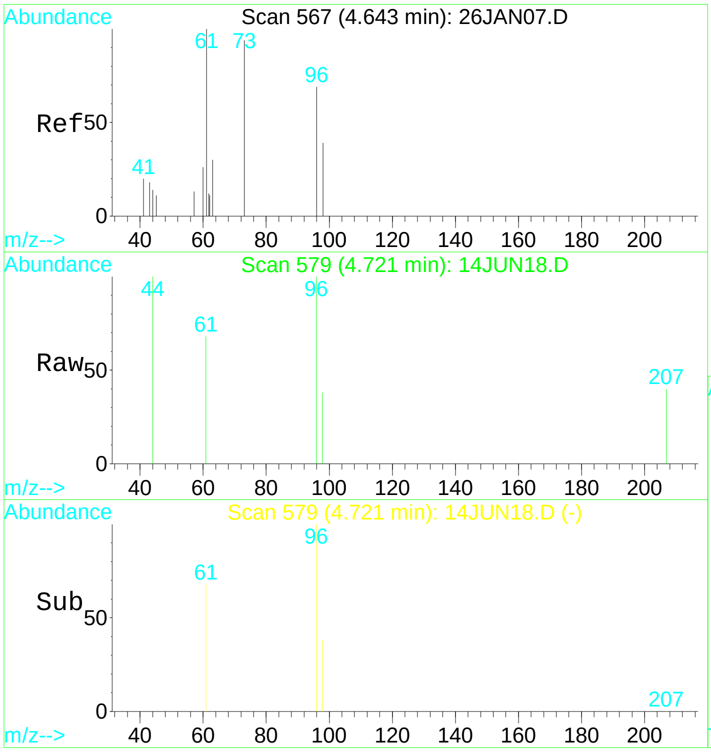


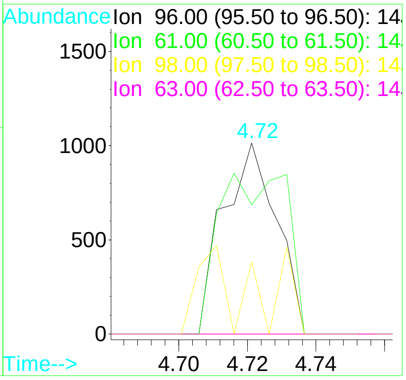
```
#1
Pentafluorobenzene IS#1
Concen:   10.00 ug/L
RT: 6.79 min  Scan# 983
Delta R.T.   -0.02 min
Lab File:   14JUN18.D
Acq: 14 Jun 2022  12:09 pm

Tgt Ion:137 Resp:   52142
Ion  Ratio  Lower  Upper
137  100
 99  317.6  1352.1  2511.0#
```

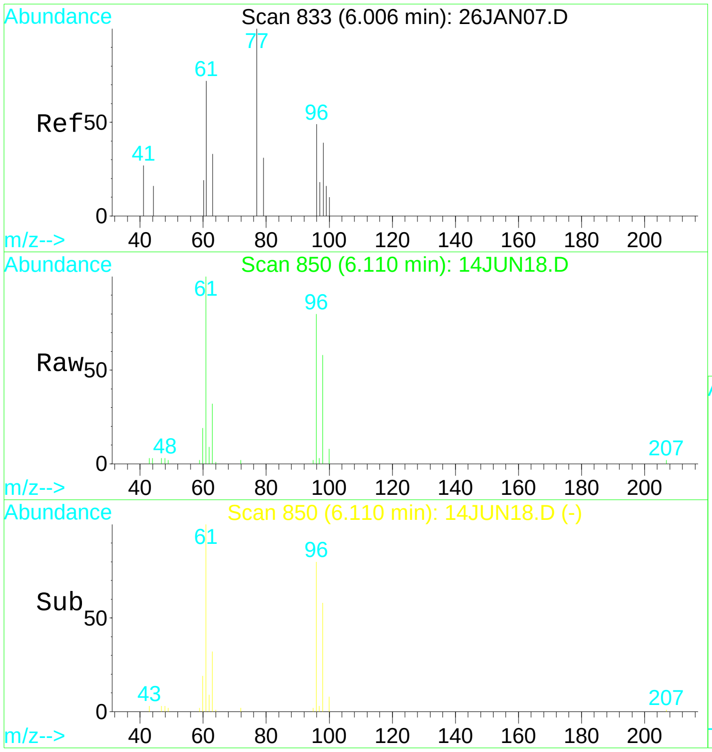




```
#14
T-1,2-dichloroethene
Concen:    0.06 ug/L
RT: 4.72 min  Scan# 579
Delta R.T.   -0.01 min
Lab File:   14JUN18.D
Acq: 14 Jun 2022  12:09 pm

Tgt Ion: 96 Resp:    1091
Ion  Ratio  Lower  Upper
 96  100
 61  108.2   91.6  170.2
 98   23.3   45.3   84.1#
 63    0.0   30.8   57.2#
```



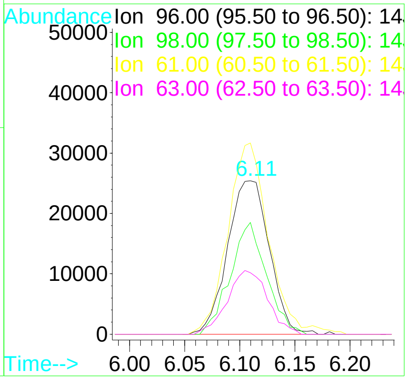


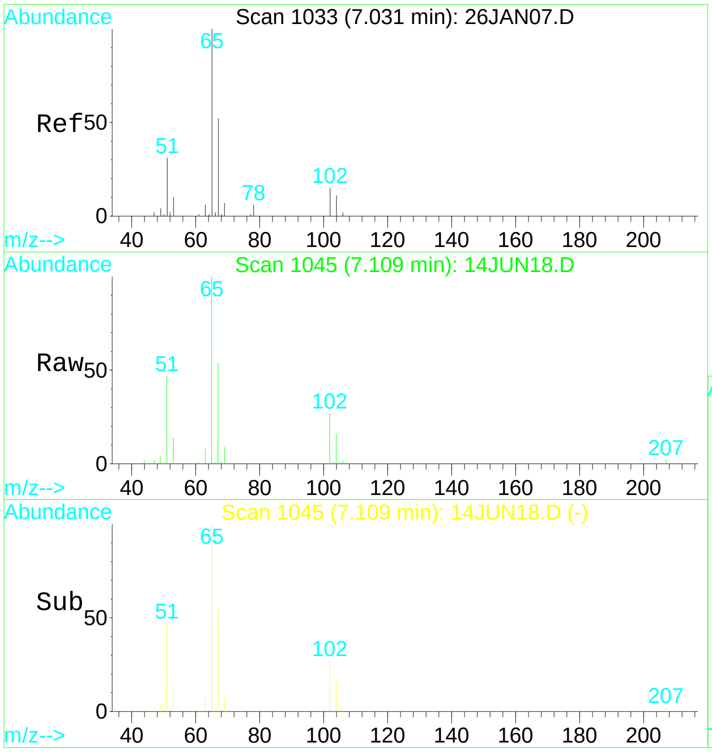


#17
Cis-1,2-dichloroethene
Concen: 3.36 ug/L
RT: 6.11 min Scan# 850
Delta R.T.   -0.02 min
Lab File: 14JUN18.D
Acq: 14 Jun 2022 12:09 pm

Tgt Ion: 96 Resp: 66911

Ion	Ratio	Lower	Upper
96	100		
98	63.2	45.6	84.8
61	121.8	94.5	175.5
63	40.0	31.6	58.8

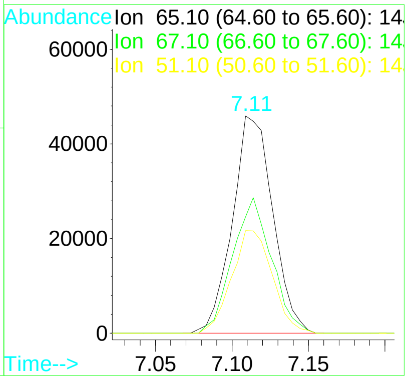


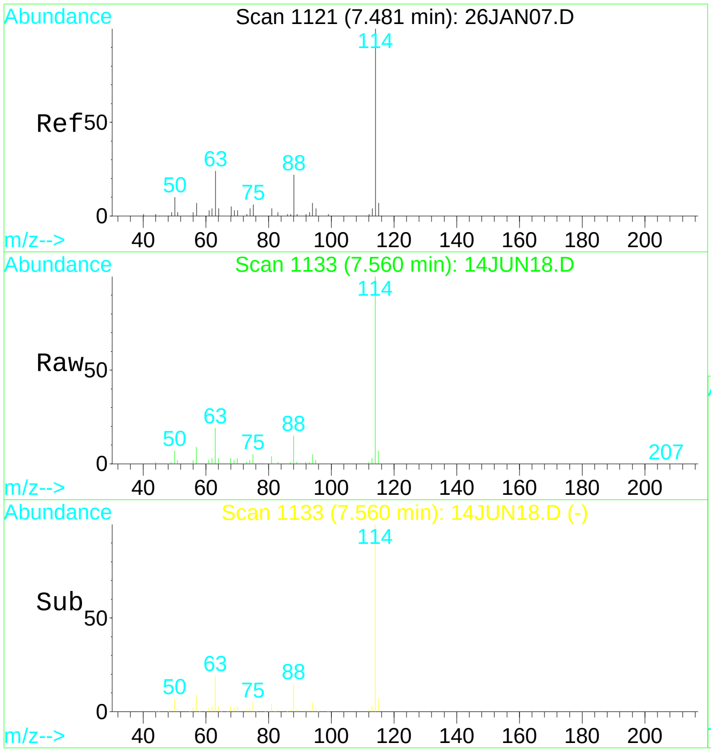


#23
1,2-dichloroethane d4 SMC #1
Concen: N.D. ug/L
RT: 7.11 min Scan# 1045
Delta R.T.   -0.02 min
Lab File: 14JUN18.D
Acq: 14 Jun 2022 12:09 pm

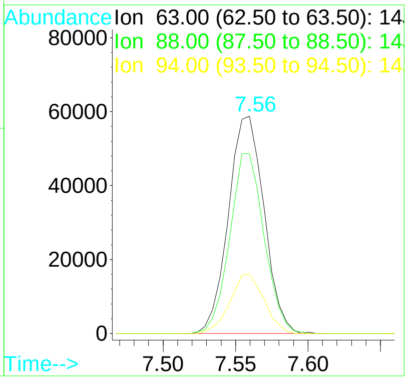
Tgt Ion: 65 Resp: 84362

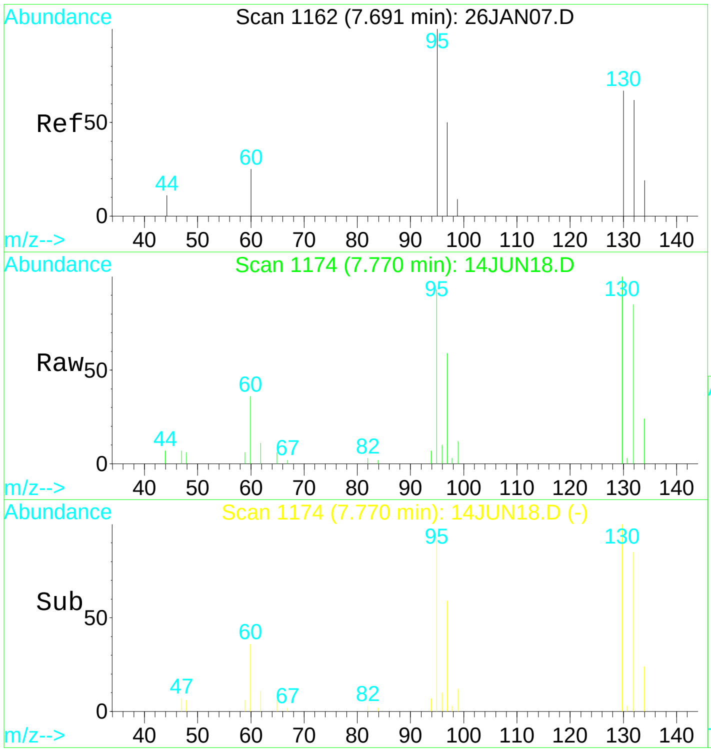
Ion	Ratio	Lower	Upper
65	100		
67	60.1	41.2	76.4
51	47.4	449.7	835.3#



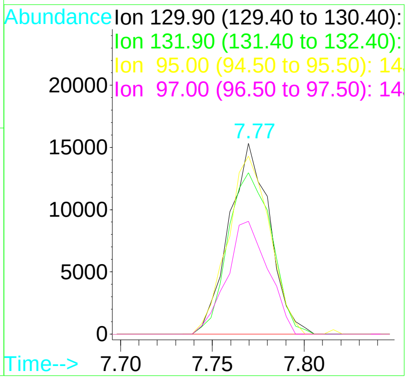


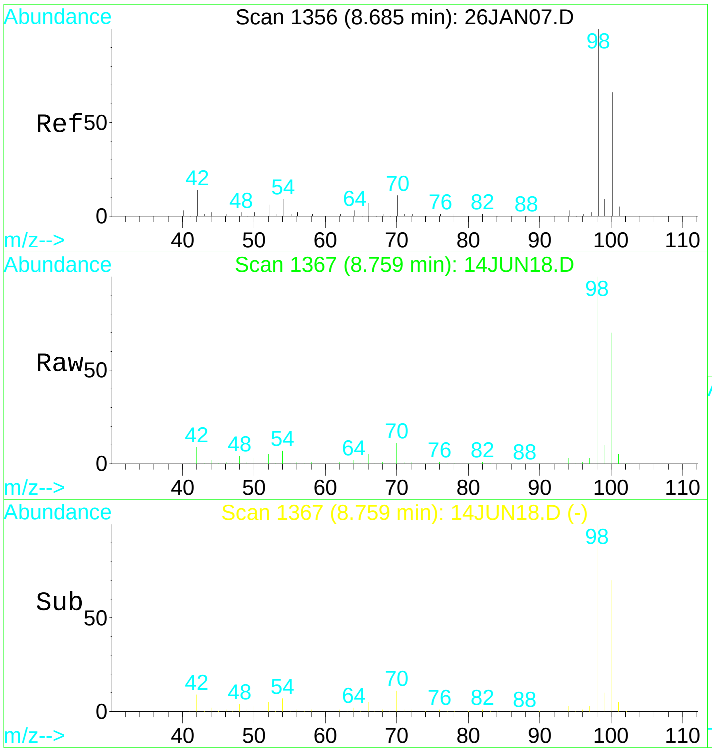
```
#26
1,4-Difluorobenzene  IS#2
Concen:   10.00 ug/L
RT: 7.56 min  Scan# 1133
Delta R.T.   -0.01 min
Lab File:   14JUN18.D
Acq: 14 Jun 2022  12:09 pm

Tgt Ion: 63 Resp:   100503
Ion  Ratio  Lower  Upper
 63  100
 88   79.7   56.5  104.9
 94   26.2   19.0   35.4
```



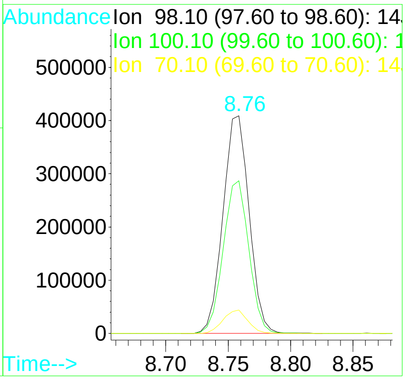


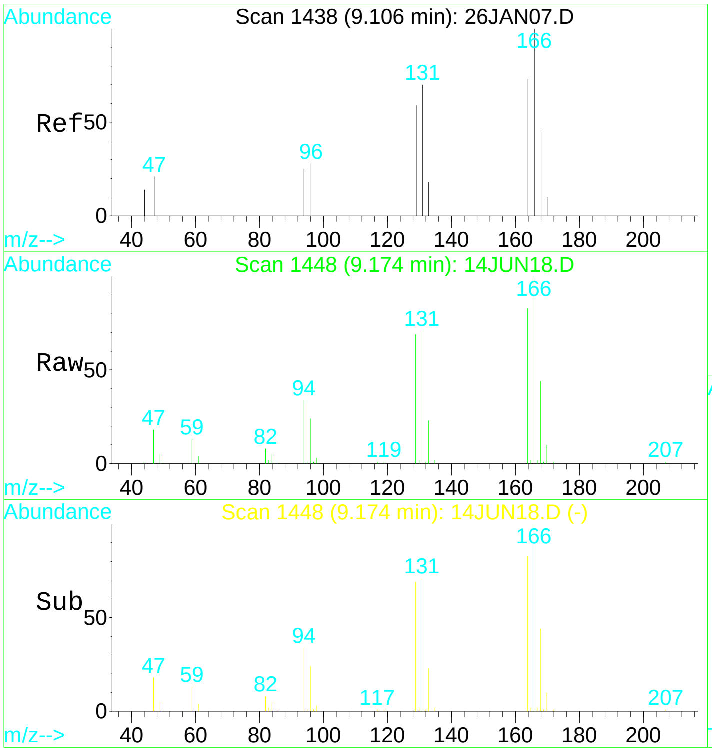
```
#27
Trichloroethene
Concen:    1.31 ug/L
RT: 7.77 min  Scan# 1174
Delta R.T.   -0.01 min
Lab File:   14JUN18.D
Acq: 14 Jun 2022  12:09 pm

Tgt Ion:130 Resp:    23582
Ion  Ratio  Lower  Upper
130  100
132   91.4   67.8  126.0
 95   97.2   69.4  129.0
 97   60.1   45.4   84.4
```



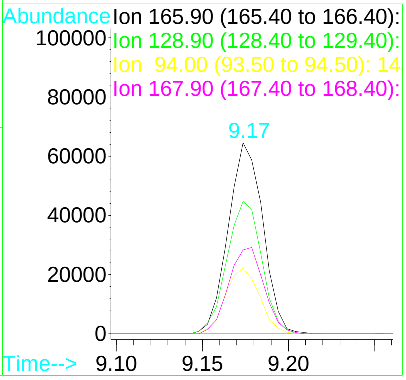


```
#33
Toluene d8 SMC#2
Concen:    N.D. ug/L
RT: 8.76 min  Scan# 1367
Delta R.T.   -0.01 min
Lab File:   14JUN18.D
Acq: 14 Jun 2022  12:09 pm

Tgt Ion: 98 Resp:   595870
Ion  Ratio  Lower   Upper
 98  100
100   68.6   48.0    89.2
 70   10.2    7.1    13.3
```

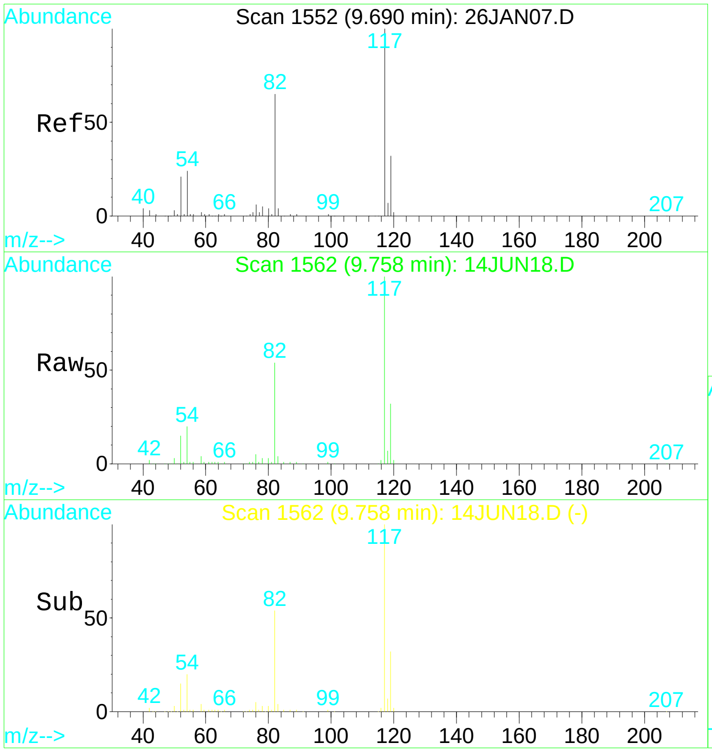


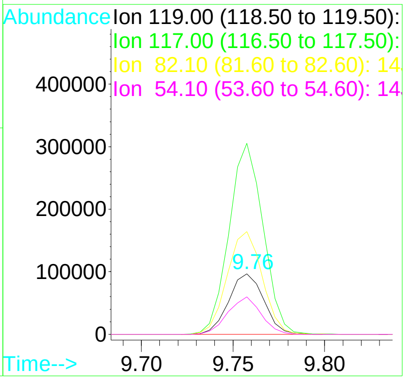


```
#37
Tetrachloroethene (PCE)
Concen:    4.63 ug/L
RT: 9.17 min  Scan# 1448
Delta R.T.   -0.01 min
Lab File:   14JUN18.D
Acq: 14 Jun 2022  12:09 pm

Tgt Ion:166 Resp:    90276
Ion  Ratio  Lower   Upper
166  100
129   69.8   45.9    85.3
 94   33.8   24.3    45.1
168   46.2   34.1    63.3
```

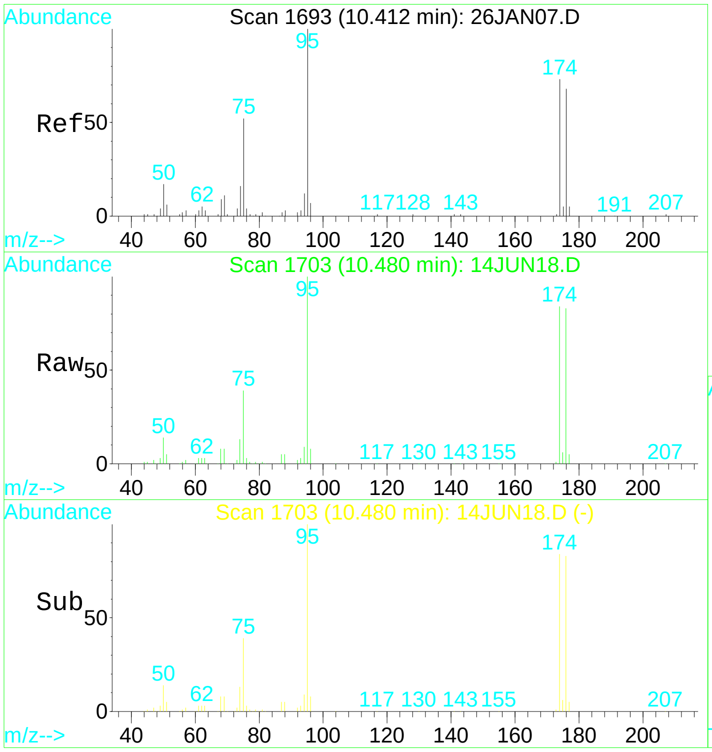


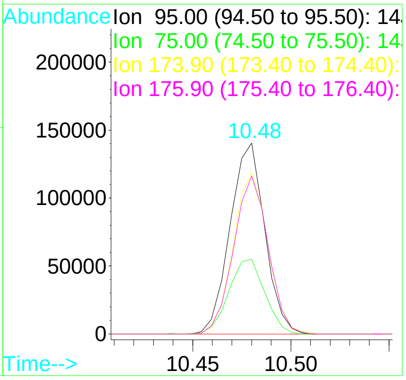
```
#41
Chlorobenzene d5 IS#3
Concen:   10.00 ug/L
RT: 9.76 min  Scan# 1562
Delta R.T.   -0.01 min
Lab File:   14JUN18.D
Acq: 14 Jun 2022  12:09 pm

Tgt Ion:119 Resp:  128661
Ion  Ratio  Lower  Upper
119  100
117  307.4  214.1  397.7
 82  169.9  119.0  221.0
 54   58.3   42.1   78.1
```





```
#51
Bromofluorobenzene SMC#3
Concen:     N.D. ug/L
RT: 10.48 min  Scan# 1703
Delta R.T.   -0.01 min
Lab File:   14JUN18.D
Acq: 14 Jun 2022  12:09 pm

Tgt Ion: 95 Resp:  172531
Ion  Ratio  Lower  Upper
 95  100
 75   40.9   28.3   52.5
174   84.3   61.7  114.7
176   82.0   59.2  110.0
```



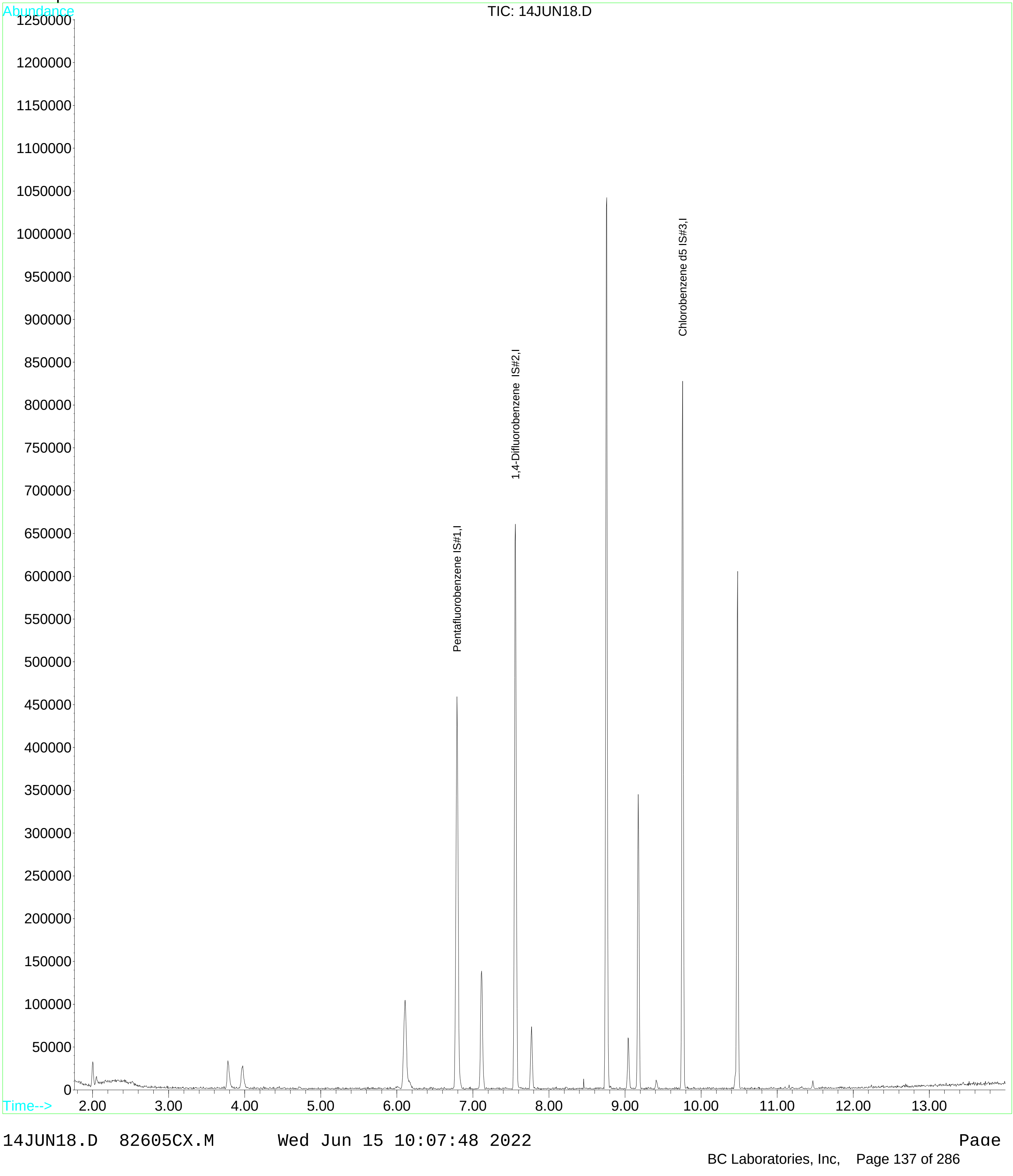


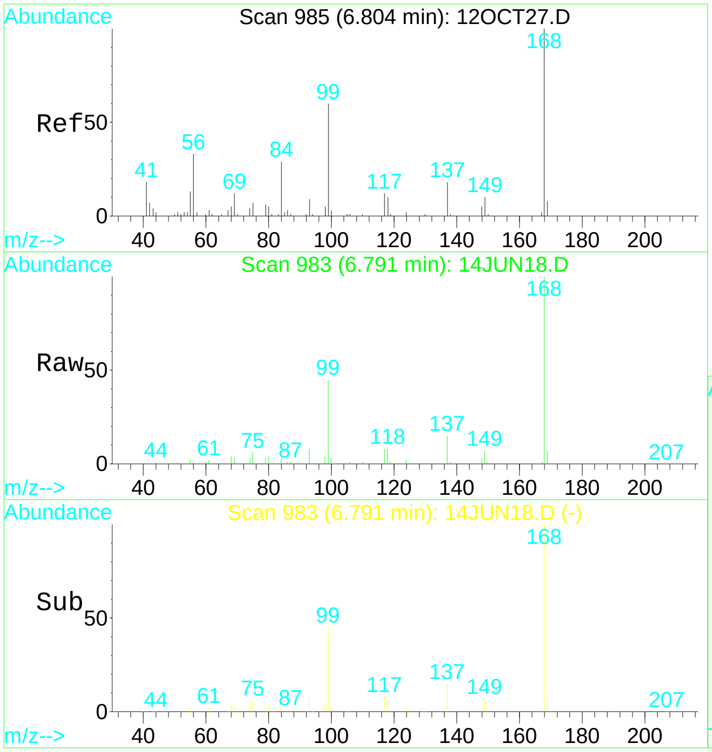
```
                              Quantitation Report    (QT Reviewed)

Data File : D:\DATA\JUN2022C\JUN14\14JUN18.D            Vial: 18
Acq On    : 14 Jun 2022  12:09 pm                   Operator: MGC
Sample    : 2213551-06                              Inst    : MS-V5
Misc      : 1 ;25ML;pH=2                            Multiplr: 1.00
MS Integration Params: rteint.p
 Quant Time: Jun 15  7:14 2022           Quant Results File: 82605CX.RES

Quant Method : C:\HPCHEM\1...\82605CX.M (RTE Integrator)
Title        : EPA Method 8260C/DX
Last Update  : Tue Jun 14 08:47:02 2022
Response via : Initial Calibration
DataAcq Meth : 82605

 Internal Standards                R.T. QIon  Response  Conc Units Dev(Min)
 -------------------------------------------------------------------------
   1) Pentafluorobenzene IS#1      6.79  137     52142    10.00 ug/L   -0.02
  29) 1,4-Difluorobenzene  IS#2    7.56   63    100503    10.00 ug/L   -0.01
  36) Chlorobenzene d5 IS#3        9.76  119    128661    10.00 ug/L   -0.01

 Target Compounds                                                    Qvalue
```

```
 -------------------------------------------------------------------------
 (#) = qualifier out of range (m) = manual integration
```

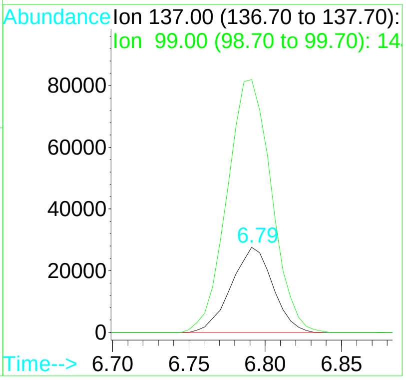
Quantitation Report

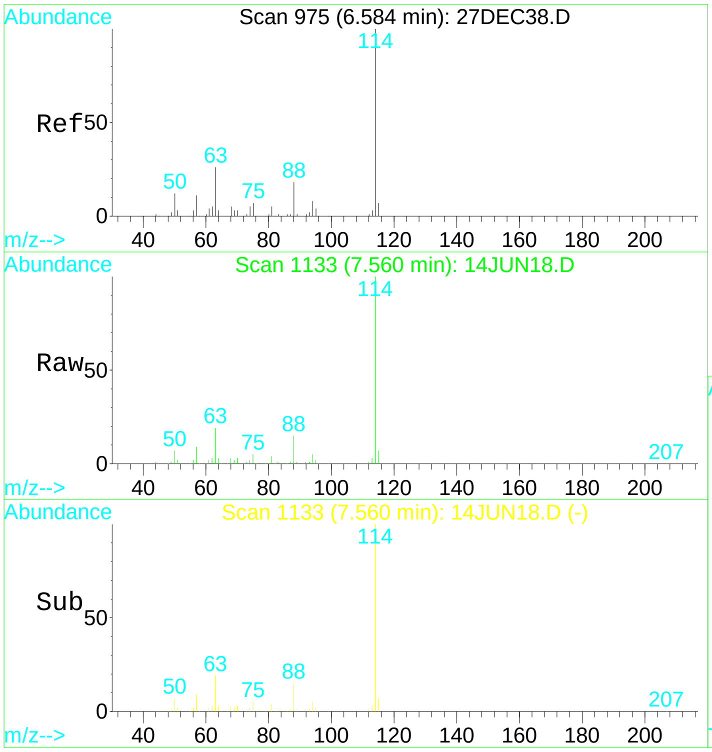
```
Data File : D:\DATA\JUN2022C\JUN14\14JUN18.D            Vial: 18
Acq On    : 14 Jun 2022  12:09 pm                    Operator: MGC
Sample    : 2213551-06                               Inst    : MS-V5
Misc      : 1 ;25ML;pH=2                             Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jun 15  7:14 2022           Quant Results File: 82605CX.RES

Method       : C:\HPCHEM\1\METHODS\C\202206\10-1632\82605CX.M (RTE Integrator)
Title        : EPA Method 8260C/DX
Last Update  : Tue Jun 14 08:47:02 2022
Response via : Initial Calibration
```



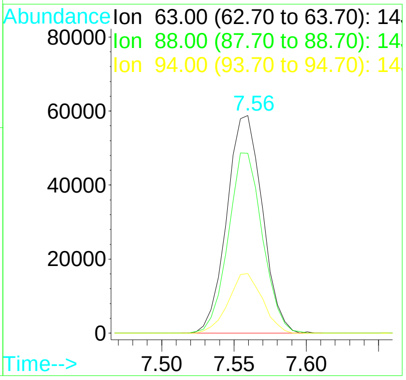


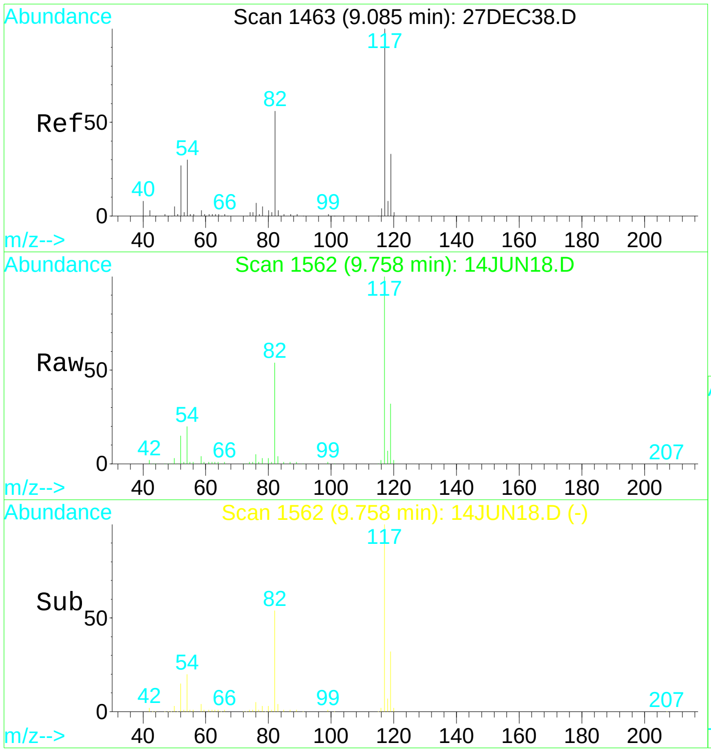
```
#1
Pentafluorobenzene IS#1
Concen:   10.00 ug/L
RT: 6.79 min  Scan# 983
Delta R.T.   -0.02 min
Lab File:   14JUN18.D
Acq: 14 Jun 2022  12:09 pm

Tgt Ion:137 Resp:   52142
Ion  Ratio  Lower  Upper
137  100
 99  317.6  270.7  502.7
```



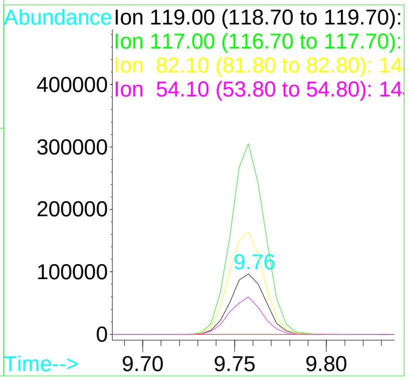


```
#29
1,4-Difluorobenzene  IS#2
Concen:   10.00 ug/L
RT: 7.56 min  Scan# 1133
Delta R.T.   -0.01 min
Lab File:   14JUN18.D
Acq: 14 Jun 2022  12:09 pm

Tgt Ion: 63 Resp:  100503
Ion  Ratio  Lower  Upper
 63  100
 88   79.7   58.6  108.8
 94   26.2   20.2   37.6
```





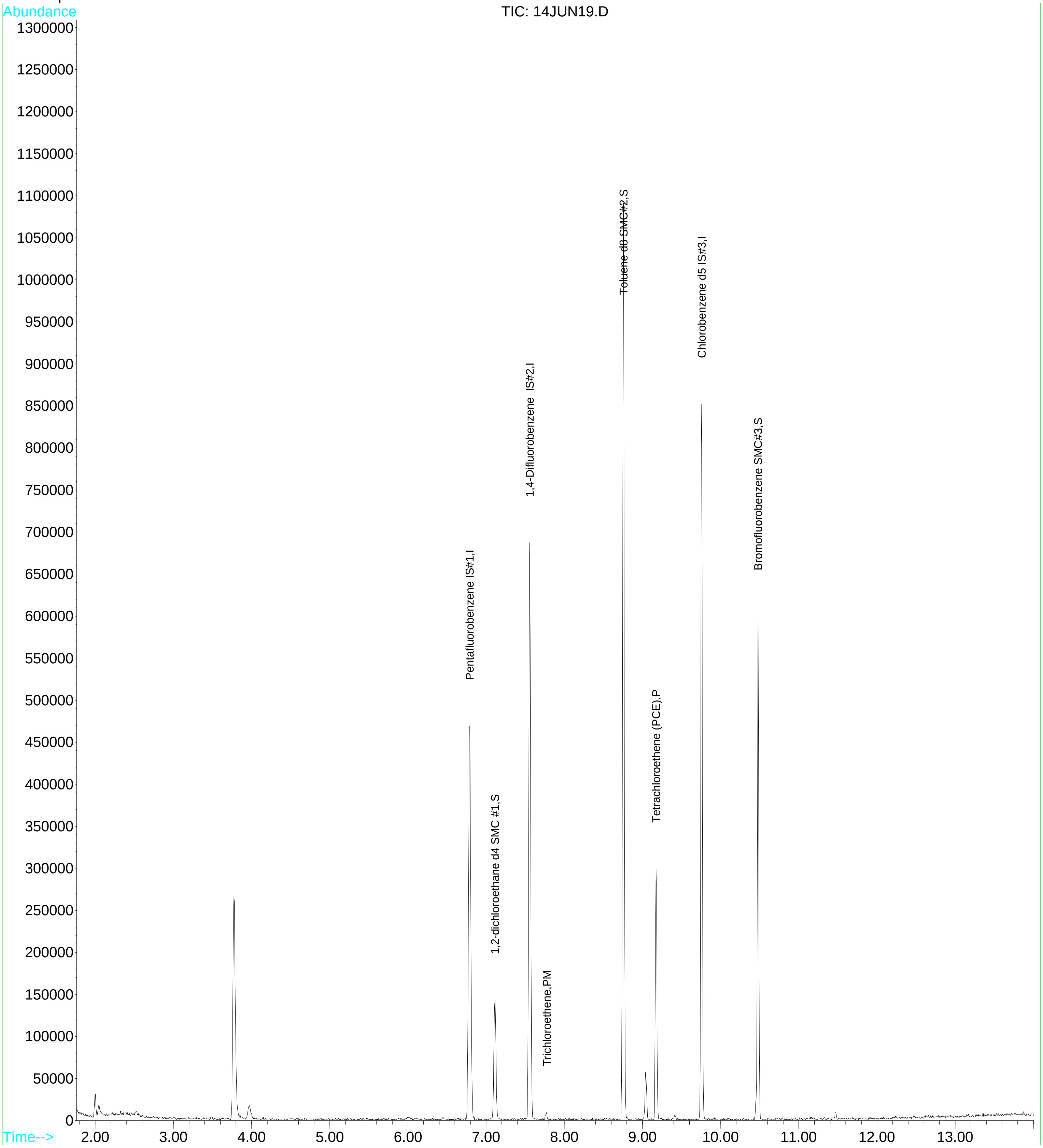
```
#36
Chlorobenzene d5 IS#3
Concen:   10.00 ug/L
RT: 9.76 min  Scan# 1562
Delta R.T.   -0.01 min
Lab File:   14JUN18.D
Acq: 14 Jun 2022  12:09 pm

Tgt Ion:119 Resp:  128661
Ion  Ratio  Lower  Upper
119  100
117  307.4  212.7  395.1
 82  169.9  118.4  220.0
 54   58.3   40.5   75.1
```

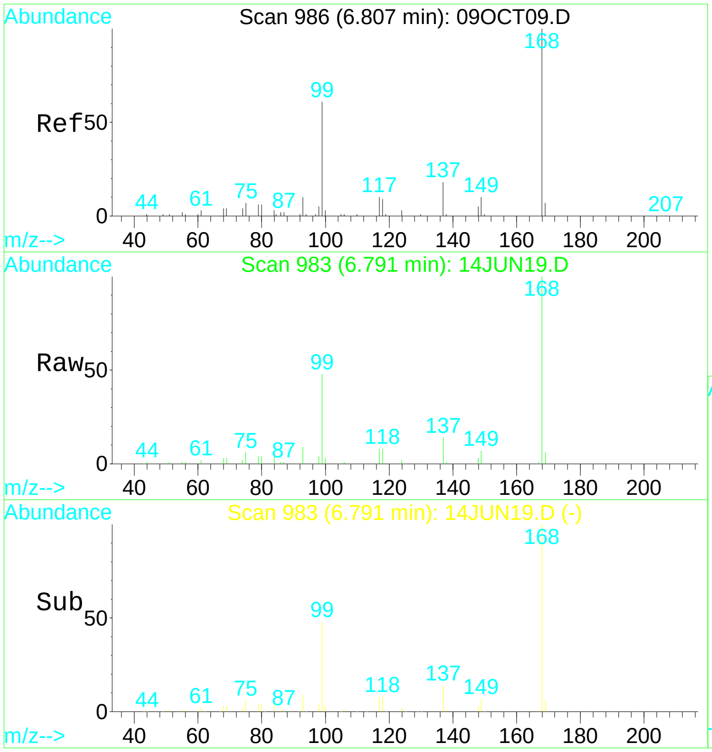


```
                              Quantitation Report    (QT Reviewed)

Data File : D:\DATA\JUN2022C\JUN14\14JUN19.D            Vial: 19
Acq On    : 14 Jun 2022  12:34 pm                   Operator: MGC
Sample    : 2213551-07                              Inst    : MS-V5
Misc      : 1 ;25ML;pH=2                            Multiplr: 1.00
MS Integration Params: rteint.p
 Quant Time: Jun 15  6:17 2022             Quant Results File: 82605C.RES

Quant Method : C:\HPCHEM\1...\82605C.M (RTE Integrator)
Title        : EPA Method  8260C/D
Last Update  : Tue Jun 14 08:18:30 2022
Response via : Initial Calibration
DataAcq Meth : 82605

 Internal Standards                R.T. QIon  Response  Conc Units Dev(Min)
 ------------------------------------------------------------------------
   1) Pentafluorobenzene IS#1      6.79  137    51760    10.00 ug/L   -0.02
  26) 1,4-Difluorobenzene  IS#2    7.55   63   105068    10.00 ug/L   -0.02
  41) Chlorobenzene d5 IS#3        9.76  119   134858    10.00 ug/L   -0.01

 System Monitoring Compounds
  23) 1,2-dichloroethane d4 SMC    7.11   65    85440     9.60 ug/L   -0.01
   Spiked Amount     10.000   Range  75 - 125    Recovery   =   96.00%
  33) Toluene d8 SMC#2             8.76   98   625134    10.25 ug/L   -0.01
   Spiked Amount     10.000   Range  80 - 120    Recovery   =  102.50%
  51) Bromofluorobenzene SMC#3    10.48   95   177234     9.36 ug/L   -0.01
   Spiked Amount     10.000   Range  80 - 120    Recovery   =   93.60%

 Target Compounds                                                  Qvalue
  27) Trichloroethene              7.77  130     2413     0.13 ug/L      99
  37) Tetrachloroethene (PCE)      9.17  166    78071     3.83 ug/L      98

 ------------------------------------------------------------------------
 (#) = qualifier out of range (m) = manual integration
```

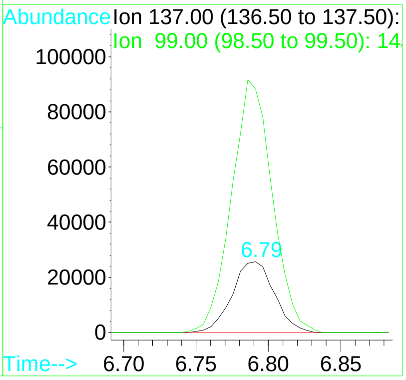
Quantitation Report

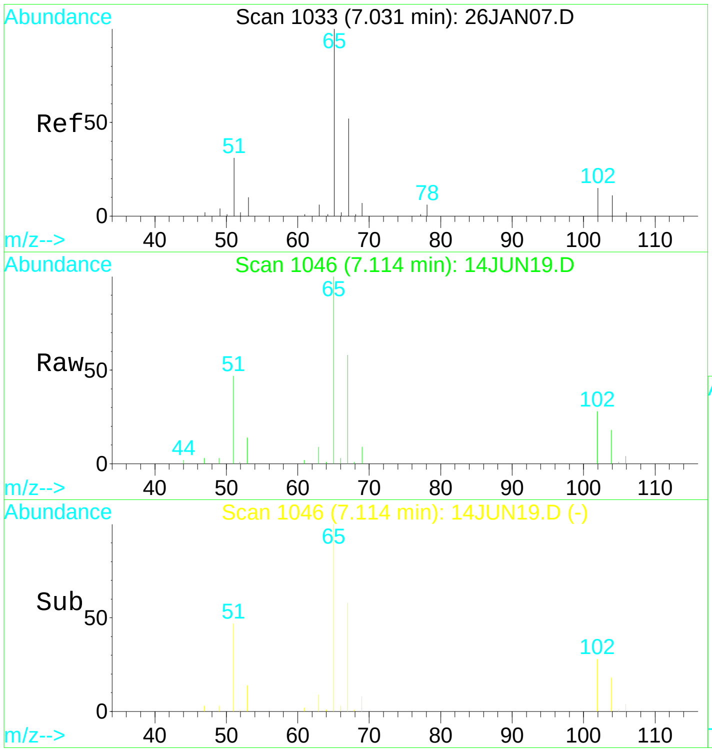
```
Data File : D:\DATA\JUN2022C\JUN14\14JUN19.D            Vial: 19
Acq On    : 14 Jun 2022  12:34 pm                    Operator: MGC
Sample    : 2213551-07                               Inst    : MS-V5
Misc      : 1 ;25ML;pH=2                             Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jun 15  6:17 2022            Quant Results File: 82605C.RES

Method       : C:\HPCHEM\1\METHODS\C\202206\10-1156\82605C.M (RTE Integrator)
Title        : EPA Method  8260C/D
Last Update  : Tue Jun 14 08:18:30 2022
Response via : Initial Calibration
```



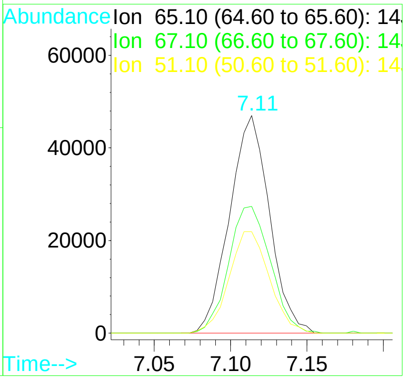


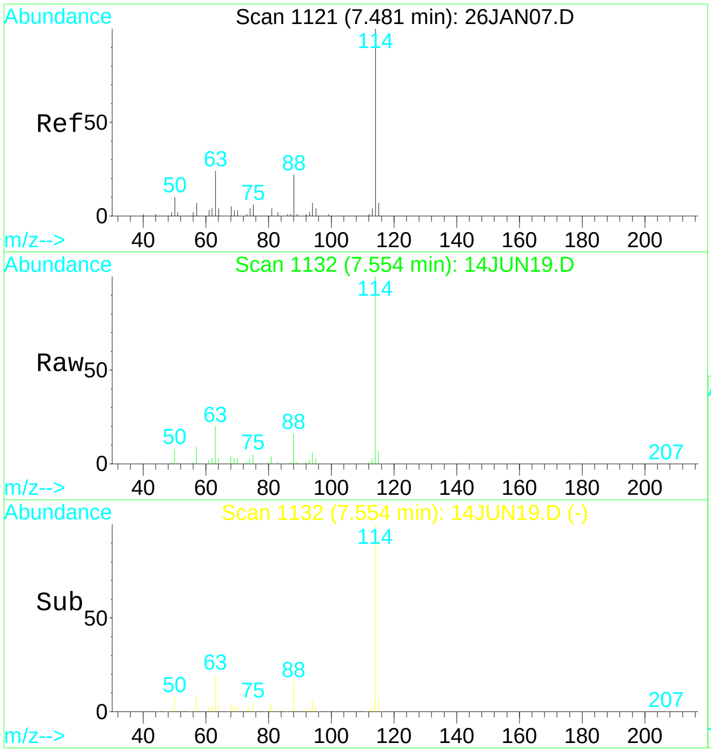
```
#1
Pentafluorobenzene IS#1
Concen:   10.00 ug/L
RT: 6.79 min  Scan# 983
Delta R.T.   -0.02 min
Lab File:   14JUN19.D
Acq: 14 Jun 2022  12:34 pm

Tgt Ion:137 Resp:   51760
Ion  Ratio  Lower  Upper
137  100
 99  346.1  1352.1  2511.0#
```





```
#23
1,2-dichloroethane d4 SMC #1
Concen:    N.D. ug/L
RT: 7.11 min  Scan# 1046
Delta R.T.   -0.01 min
Lab File:   14JUN19.D
Acq: 14 Jun 2022  12:34 pm

Tgt Ion: 65 Resp:   85440
Ion  Ratio  Lower  Upper
 65  100
 67   60.9   41.2   76.4
 51   47.2  449.7  835.3#
```

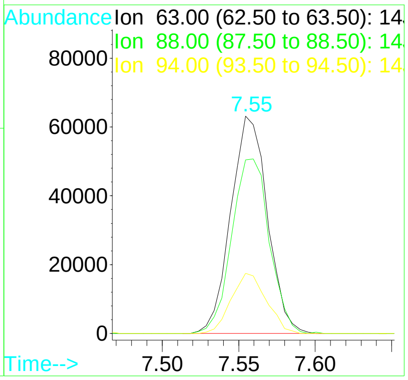


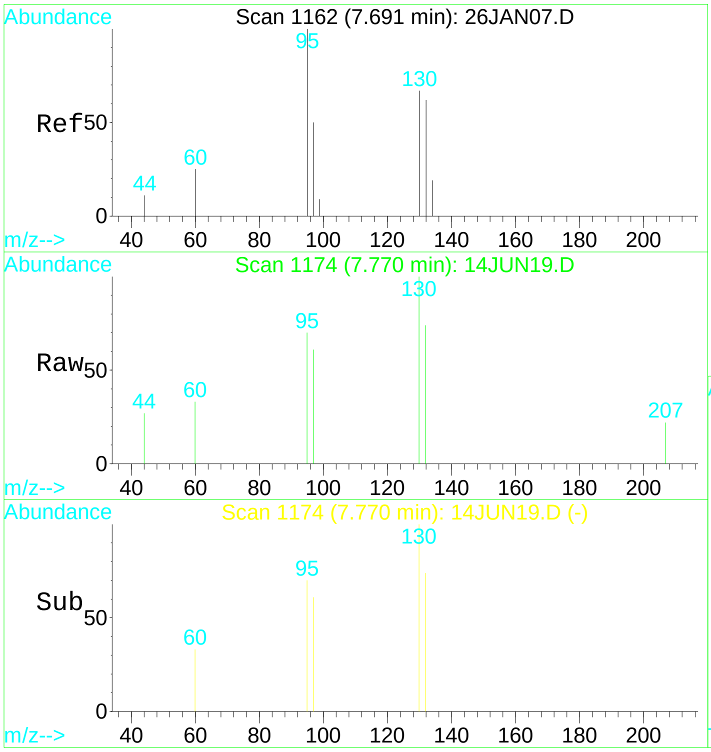


#26
1,4-Difluorobenzene IS#2
Concen: 10.00 ug/L
RT: 7.55 min Scan# 1132
Delta R.T. -0.02 min
Lab File: 14JUN19.D
Acq: 14 Jun 2022 12:34 pm

Tgt Ion: 63 Resp: 105068

Ion	Ratio	Lower	Upper
63	100		
88	82.6	56.5	104.9
94	26.5	19.0	35.4

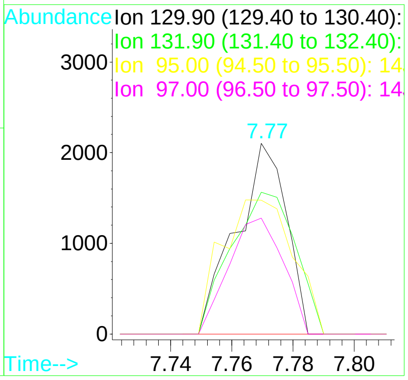


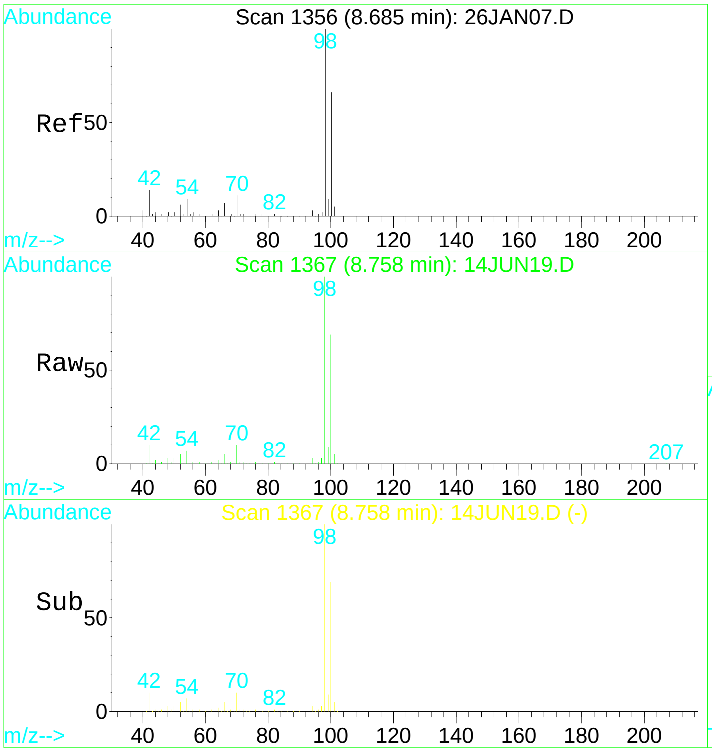


#27
Trichloroethene
Concen: 0.13 ug/L
RT: 7.77 min Scan# 1174
Delta R.T. -0.01 min
Lab File: 14JUN19.D
Acq: 14 Jun 2022 12:34 pm

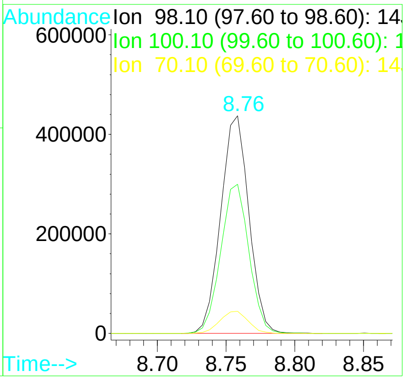
Tgt Ion:130 Resp: 2413

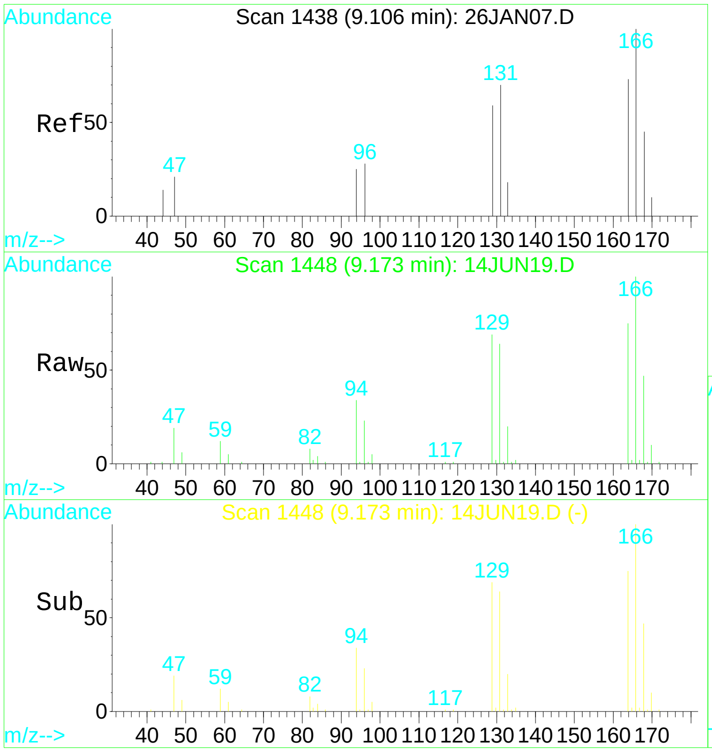
Ion	Ratio	Lower	Upper
130	100		
132	95.0	67.8	126.0
95	99.0	69.4	129.0
97	65.8	45.4	84.4



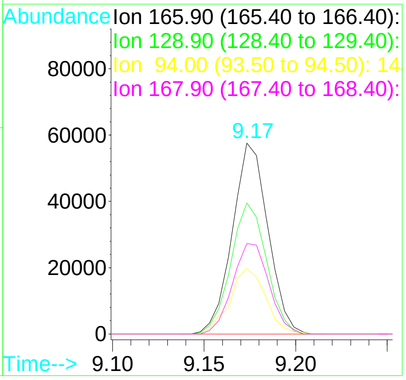


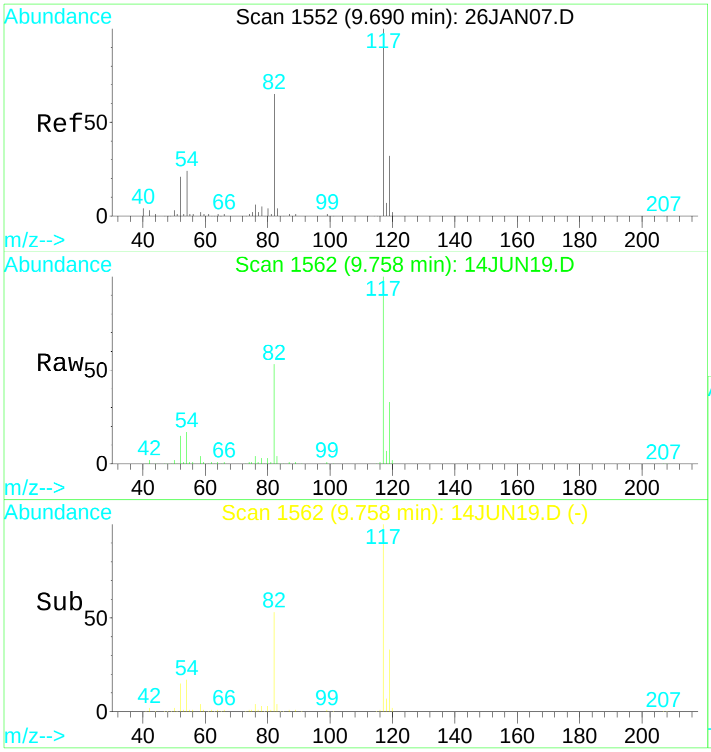
```
#33
Toluene d8 SMC#2
Concen:    N.D. ug/L
RT: 8.76 min  Scan# 1367
Delta R.T.   -0.01 min
Lab File:   14JUN19.D
Acq: 14 Jun 2022  12:34 pm

Tgt Ion: 98 Resp:   625134
Ion  Ratio  Lower   Upper
 98  100
100   68.6   48.0   89.2
 70   10.2    7.1   13.3
```



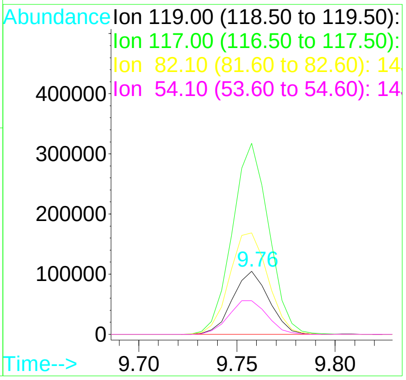


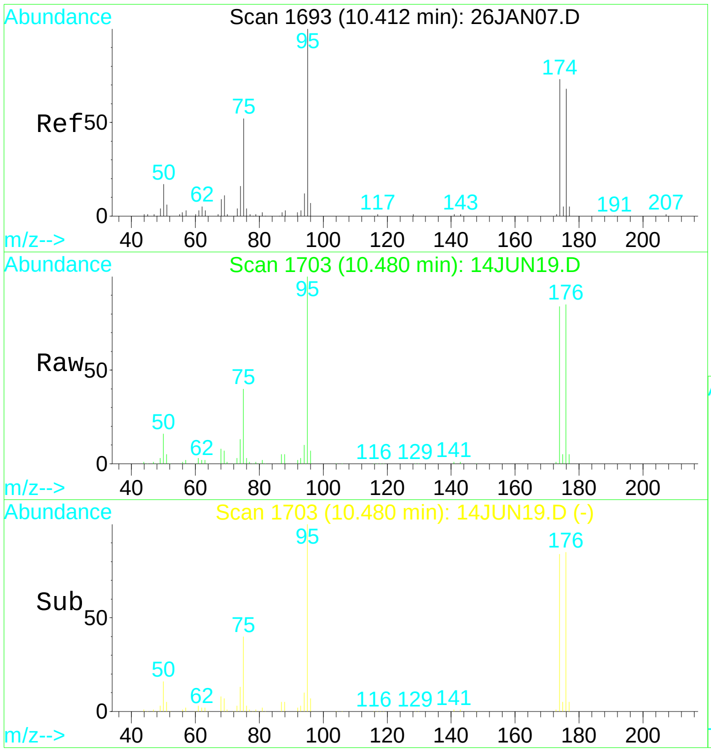
```
#37
Tetrachloroethene (PCE)
Concen:    3.83 ug/L
RT: 9.17 min  Scan# 1448
Delta R.T.   -0.01 min
Lab File:   14JUN19.D
Acq: 14 Jun 2022  12:34 pm

Tgt Ion:166 Resp:    78071
Ion  Ratio  Lower   Upper
166  100
129   68.6   45.9   85.3
 94   34.4   24.3   45.1
168   48.3   34.1   63.3
```



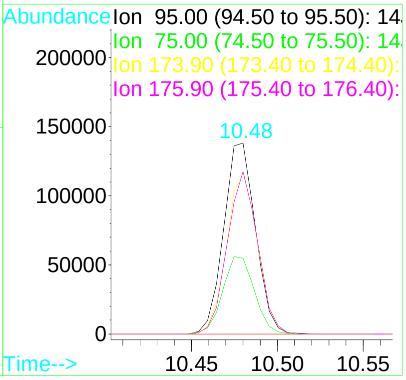


```
#41
Chlorobenzene d5 IS#3
Concen:   10.00 ug/L
RT: 9.76 min  Scan# 1562
Delta R.T.   -0.01 min
Lab File:   14JUN19.D
Acq: 14 Jun 2022  12:34 pm

Tgt Ion:119 Resp:  134858
Ion  Ratio  Lower  Upper
119  100
117  304.6  214.1  397.7
 82  170.2  119.0  221.0
 54   56.1   42.1   78.1
```





```
#51
Bromofluorobenzene SMC#3
Concen:    N.D. ug/L
RT: 10.48 min  Scan# 1703
Delta R.T.   -0.01 min
Lab File:   14JUN19.D
Acq: 14 Jun 2022  12:34 pm

Tgt Ion: 95 Resp:  177234
Ion  Ratio  Lower  Upper
 95  100
 75   40.4   28.3   52.5
174   82.3   61.7  114.7
176   80.9   59.2  110.0
```

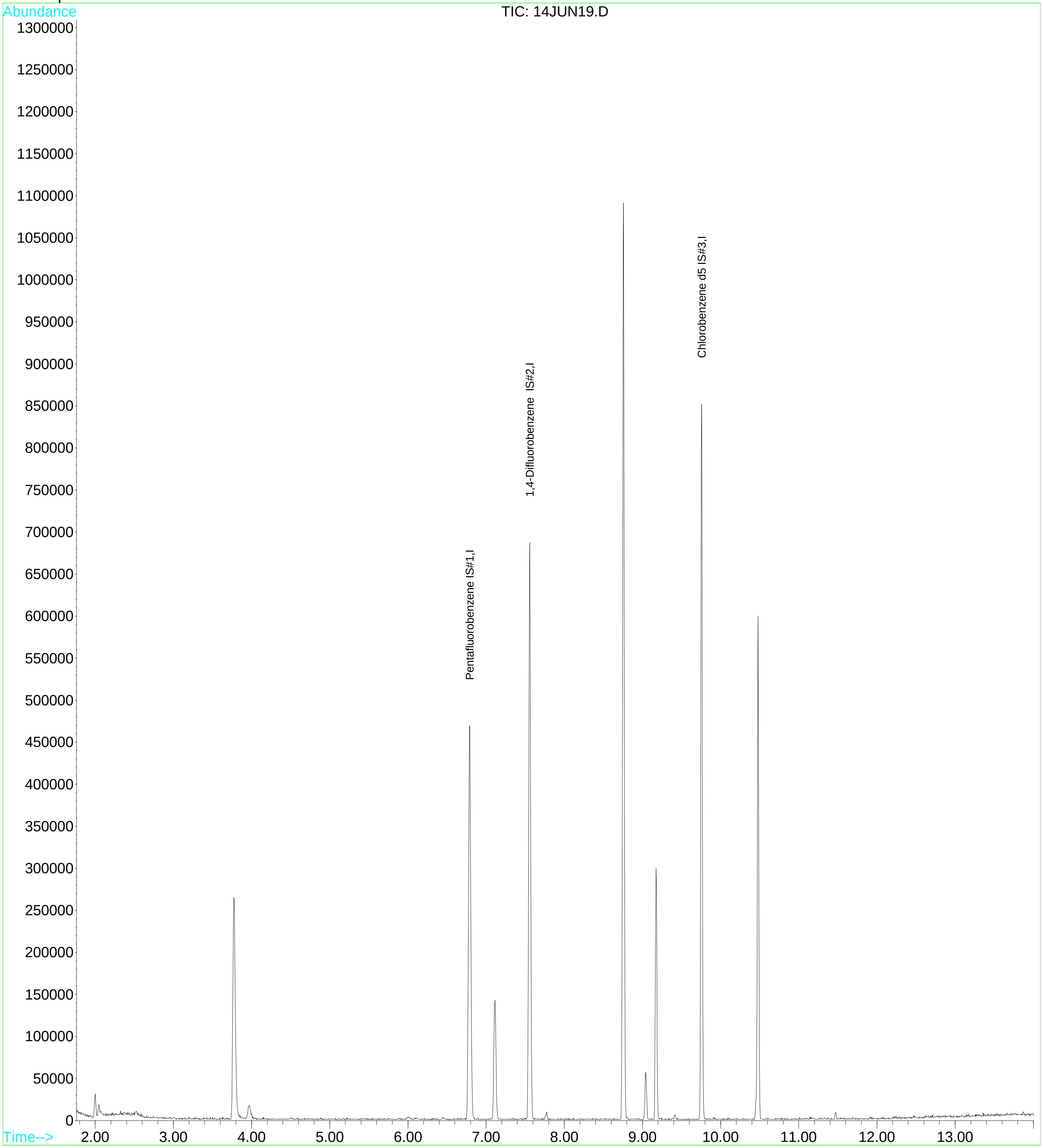


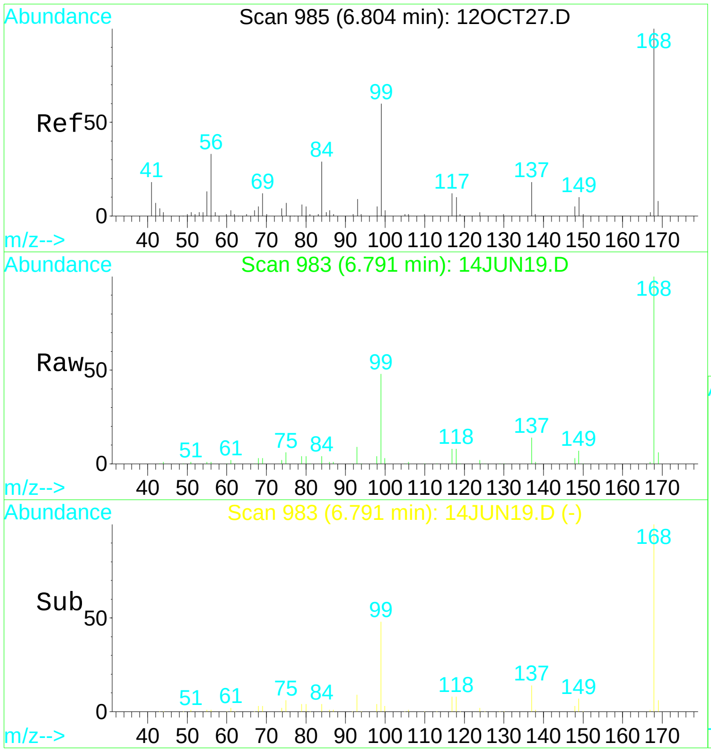
```
                              Quantitation Report    (QT Reviewed)

Data File : D:\DATA\JUN2022C\JUN14\14JUN19.D            Vial: 19
Acq On    : 14 Jun 2022  12:34 pm                    Operator: MGC
Sample    : 2213551-07                               Inst    : MS-V5
Misc      : 1 ;25ML;pH=2                             Multiplr: 1.00
MS Integration Params: rteint.p
 Quant Time: Jun 15 10:07 2022            Quant Results File: 82605CX.RES

Quant Method : C:\HPCHEM\1...\82605CX.M (RTE Integrator)
Title        : EPA Method 8260C/DX
Last Update  : Tue Jun 14 08:47:02 2022
Response via : Initial Calibration
DataAcq Meth : 82605

 Internal Standards                 R.T. QIon  Response  Conc Units Dev(Min)
 -------------------------------------------------------------------------
   1) Pentafluorobenzene IS#1      6.79  137    51760    10.00 ug/L   -0.02
  29) 1,4-Difluorobenzene  IS#2    7.55   63   105068    10.00 ug/L   -0.02
  36) Chlorobenzene d5 IS#3        9.76  119   134858    10.00 ug/L   -0.01

 Target Compounds                                                   Qvalue
```

```
 -------------------------------------------------------------------------
 (#) = qualifier out of range (m) = manual integration
 14JUN19.D  82605CX.M      Wed Jun 15 10:07:49 2022
```

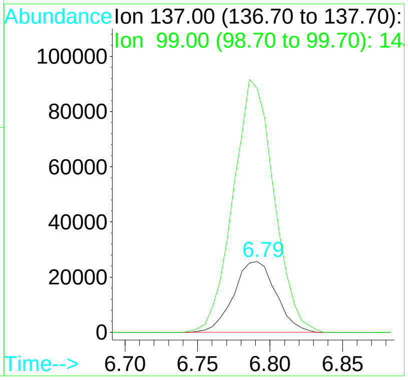
Quantitation Report

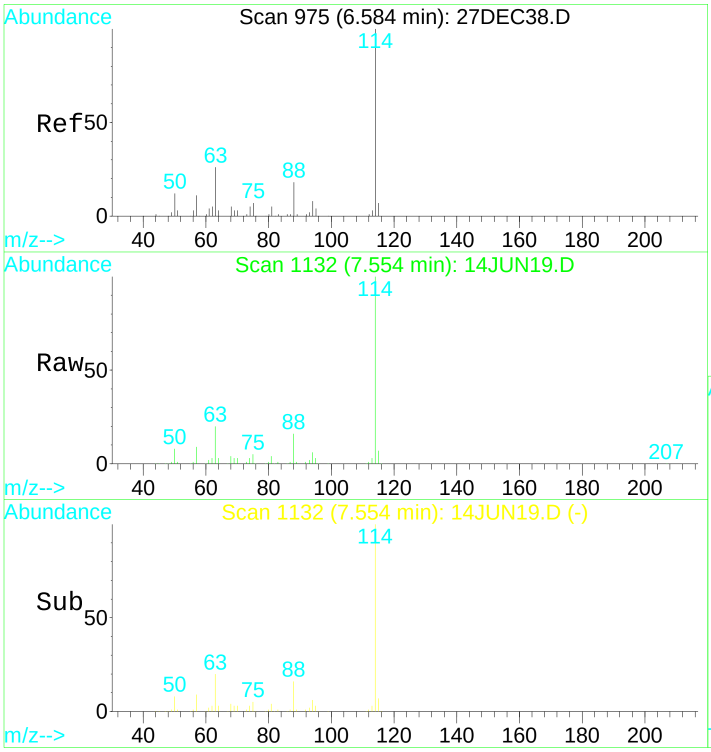
```
Data File : D:\DATA\JUN2022C\JUN14\14JUN19.D            Vial: 19
Acq On    : 14 Jun 2022  12:34 pm                    Operator: MGC
Sample    : 2213551-07                               Inst    : MS-V5
Misc      : 1 ;25ML;pH=2                             Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jun 15 10:07 2022             Quant Results File: 82605CX.RES

Method       : C:\HPCHEM\1\METHODS\C\202206\10-1632\82605CX.M (RTE Integrator)
Title        : EPA Method 8260C/DX
Last Update  : Tue Jun 14 08:47:02 2022
Response via : Initial Calibration
```



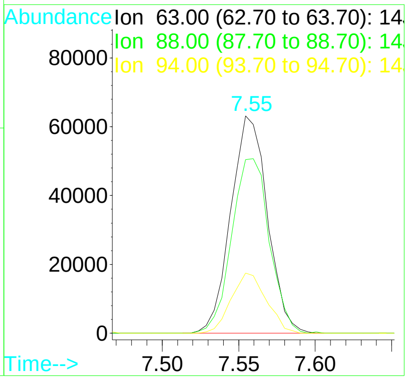


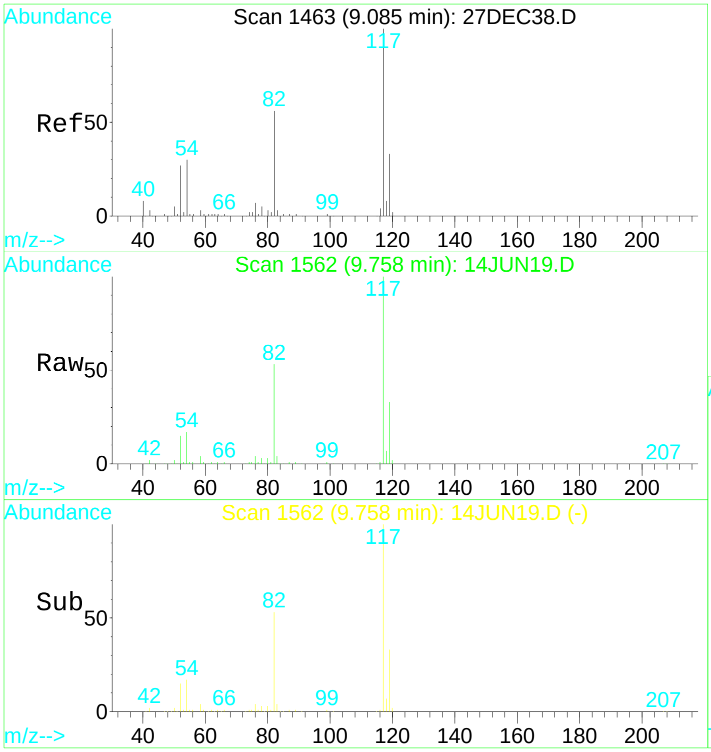
```
#1
Pentafluorobenzene IS#1
Concen:   10.00 ug/L
RT: 6.79 min  Scan# 983
Delta R.T.   -0.02 min
Lab File:   14JUN19.D
Acq: 14 Jun 2022  12:34 pm

Tgt Ion:137 Resp:   51760
Ion  Ratio  Lower  Upper
137  100
 99  346.1  270.7  502.7
```



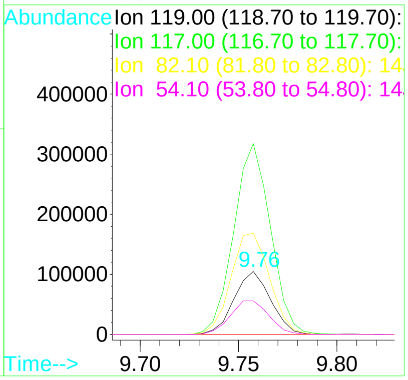


```
#29
1,4-Difluorobenzene  IS#2
Concen:   10.00 ug/L
RT: 7.55 min  Scan# 1132
Delta R.T.   -0.02 min
Lab File:   14JUN19.D
Acq: 14 Jun 2022  12:34 pm

Tgt Ion: 63 Resp:  105068
Ion  Ratio  Lower  Upper
 63  100
 88   82.6   58.6  108.8
 94   26.5   20.2   37.6
```





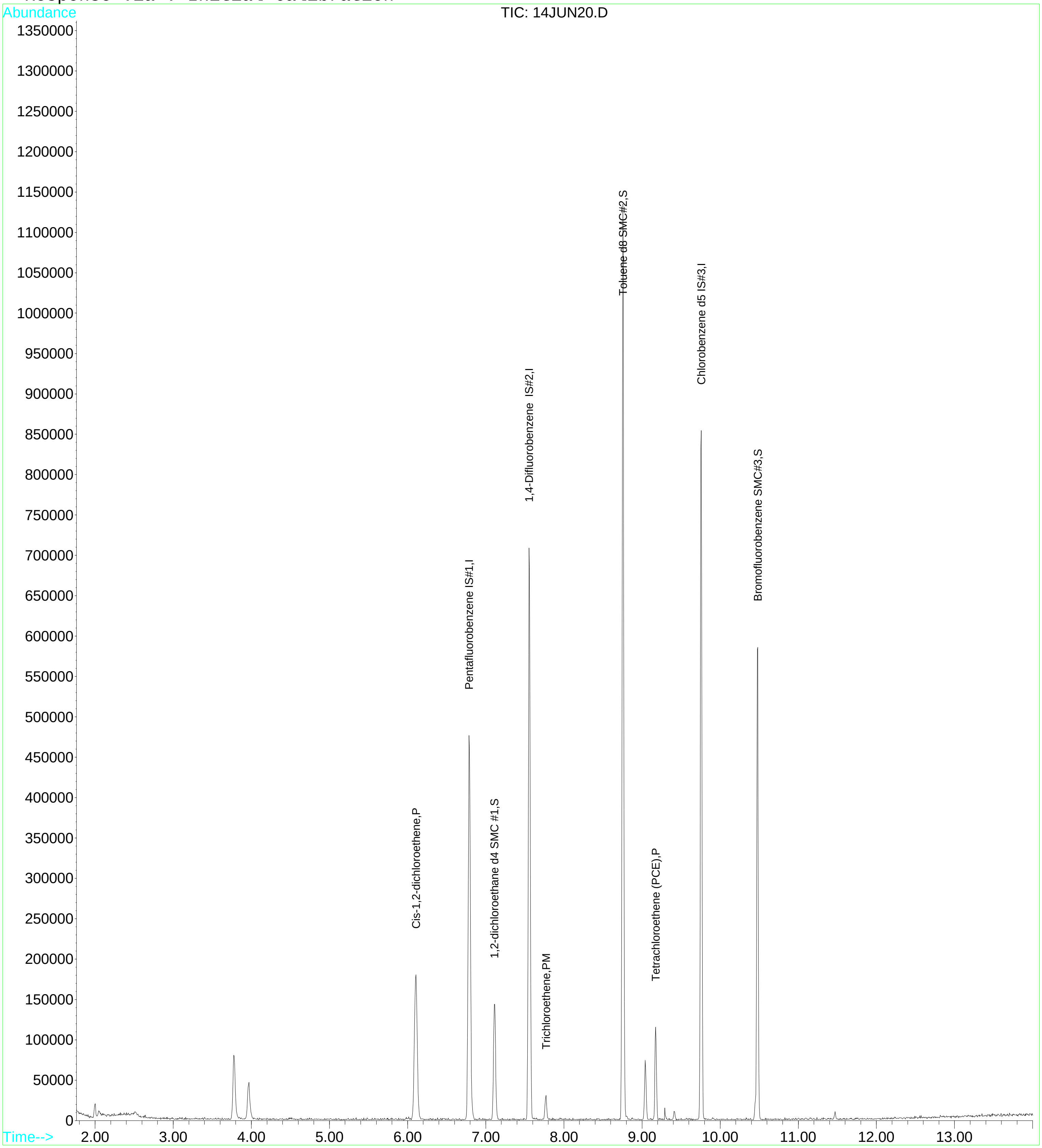
```
#36
Chlorobenzene d5 IS#3
Concen:   10.00 ug/L
RT: 9.76 min  Scan# 1562
Delta R.T.   -0.01 min
Lab File:   14JUN19.D
Acq: 14 Jun 2022  12:34 pm

Tgt Ion:119 Resp:  134858
Ion  Ratio  Lower  Upper
119  100
117  304.6  212.7  395.1
 82  170.2  118.4  220.0
 54   56.1   40.5   75.1
```



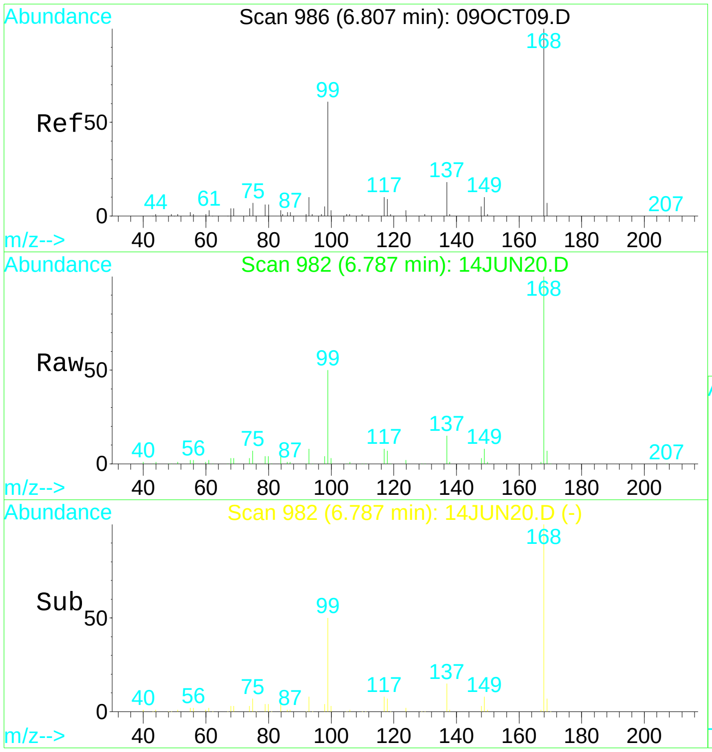
```
                             Quantitation Report    (QT Reviewed)

Data File : D:\DATA\JUN2022C\JUN14\14JUN20.D             Vial: 20
Acq On    : 14 Jun 2022  12:59 pm                    Operator: MGC
Sample    : 2213551-08                               Inst    : MS-V5
Misc      : 1 ;25ML;pH=2                             Multiplr: 1.00
MS Integration Params: rteint.p
 Quant Time: Jun 15  6:18 2022              Quant Results File: 82605C.RES

Quant Method : C:\HPCHEM\1...\82605C.M (RTE Integrator)
Title        : EPA Method  8260C/D
Last Update  : Tue Jun 14 08:18:30 2022
Response via : Initial Calibration
DataAcq Meth : 82605

 Internal Standards                R.T. QIon  Response  Conc Units Dev(Min)
 -------------------------------------------------------------------------
   1) Pentafluorobenzene IS#1      6.79  137    53508    10.00 ug/L   -0.02
  26) 1,4-Difluorobenzene  IS#2    7.56   63   105863    10.00 ug/L   -0.02
  41) Chlorobenzene d5 IS#3        9.76  119   134221    10.00 ug/L    0.00

 System Monitoring Compounds
  23) 1,2-dichloroethane d4 SMC    7.11   65    89541     9.73 ug/L   -0.02
   Spiked Amount     10.000   Range  75 - 125    Recovery   =   97.30%
  33) Toluene d8 SMC#2             8.75   98   632023    10.29 ug/L   -0.02
   Spiked Amount     10.000   Range  80 - 120    Recovery   =  102.90%
  51) Bromofluorobenzene SMC#3    10.48   95   183077     9.71 ug/L   -0.02
   Spiked Amount     10.000   Range  80 - 120    Recovery   =   97.10%

 Target Compounds                                                  Qvalue
  17) Cis-1,2-dichloroethene       6.11   96   121246     5.93 ug/L      89
  27) Trichloroethene              7.77  130     8990     0.47 ug/L      95
  37) Tetrachloroethene (PCE)      9.17  166    29954     1.46 ug/L      98















 -------------------------------------------------------------------------
 (#) = qualifier out of range (m) = manual integration
```

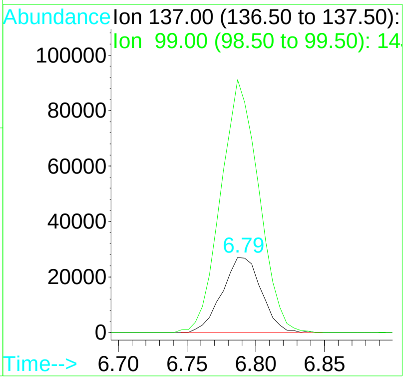
Quantitation Report

```
Data File : D:\DATA\JUN2022C\JUN14\14JUN20.D            Vial: 20
Acq On    : 14 Jun 2022  12:59 pm                    Operator: MGC
Sample    : 2213551-08                               Inst    : MS-V5
Misc      : 1 ;25ML;pH=2                             Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jun 15  6:18 2022            Quant Results File: 82605C.RES

Method       : C:\HPCHEM\1\METHODS\C\202206\10-1156\82605C.M (RTE Integrator)
Title        : EPA Method  8260C/D
Last Update  : Tue Jun 14 08:18:30 2022
Response via : Initial Calibration
```

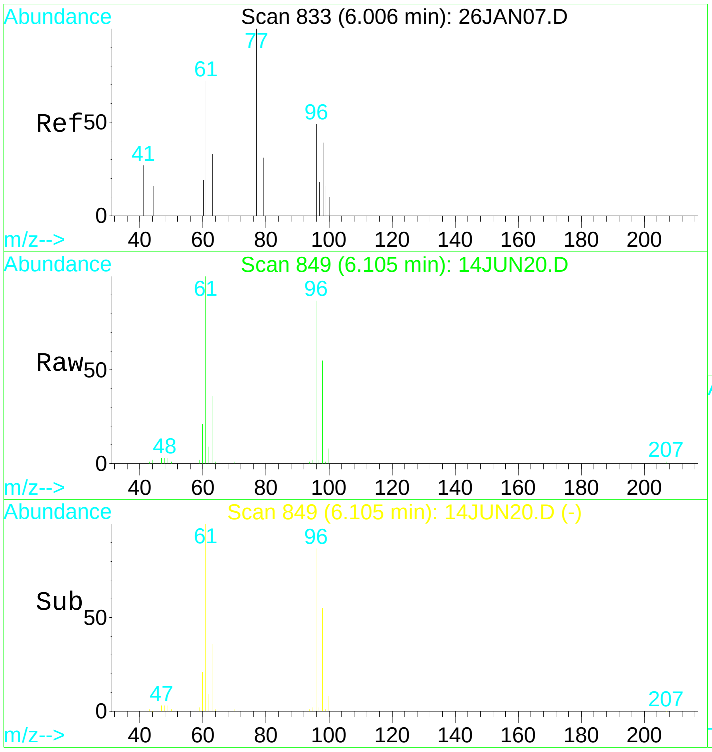


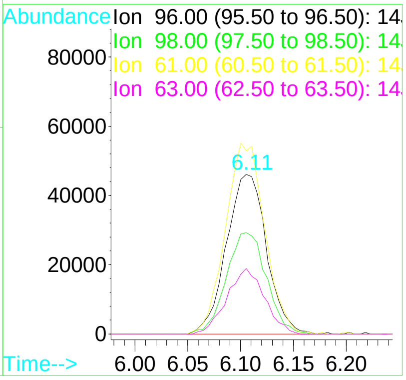
```
#1
Pentafluorobenzene IS#1
Concen:   10.00 ug/L
RT: 6.79 min  Scan# 982
Delta R.T.   -0.02 min
Lab File:   14JUN20.D
Acq: 14 Jun 2022  12:59 pm

Tgt Ion:137 Resp:   53508
Ion  Ratio  Lower  Upper
137  100
 99  327.8  1352.1  2511.0#
```

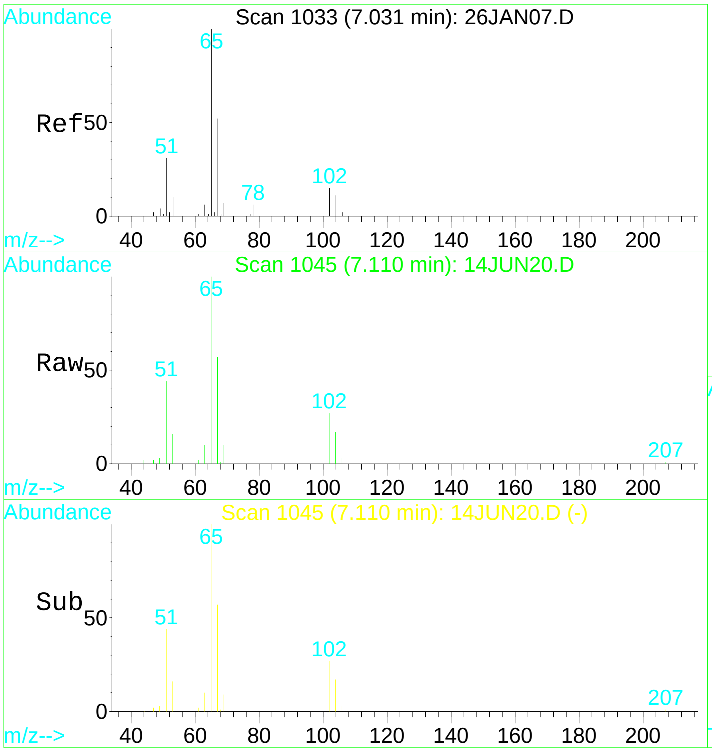




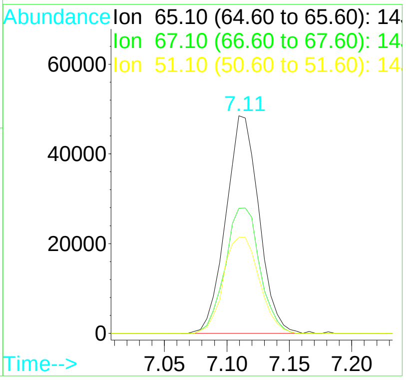
```
#17
Cis-1,2-dichloroethene
Concen:    5.93 ug/L
RT: 6.11 min  Scan# 849
Delta R.T.   -0.02 min
Lab File:   14JUN20.D
Acq: 14 Jun 2022  12:59 pm

Tgt Ion: 96 Resp:  121246
Ion  Ratio  Lower  Upper
 96  100
 98   63.5   45.6   84.8
 61  117.4   94.5  175.5
 63   38.5   31.6   58.8
```

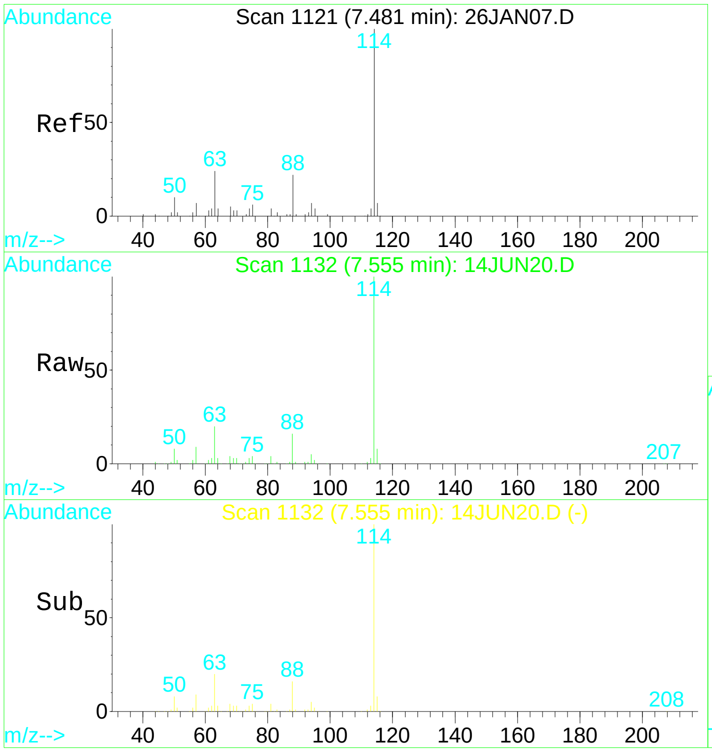




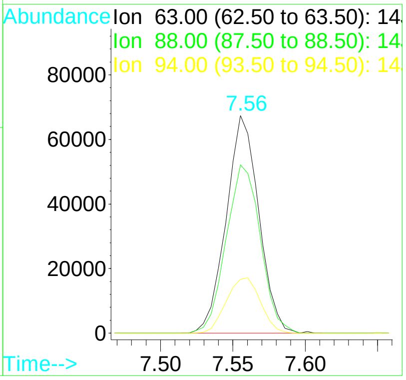


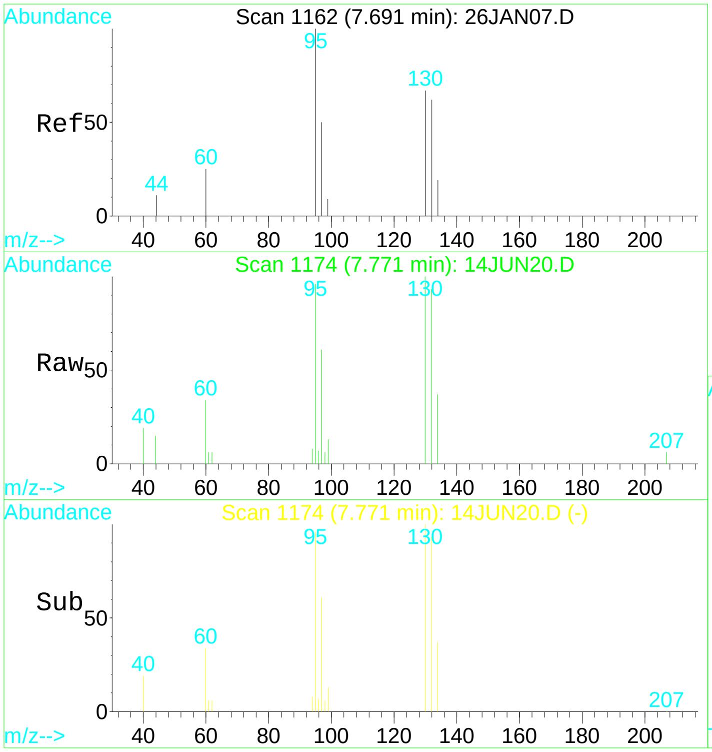
```
#23
1,2-dichloroethane d4 SMC #1
Concen:    N.D. ug/L
RT: 7.11 min  Scan# 1045
Delta R.T.   -0.02 min
Lab File:   14JUN20.D
Acq: 14 Jun 2022  12:59 pm

Tgt Ion: 65 Resp:   89541
Ion  Ratio  Lower  Upper
 65  100
 67   60.2   41.2   76.4
 51   47.9  449.7  835.3#
```



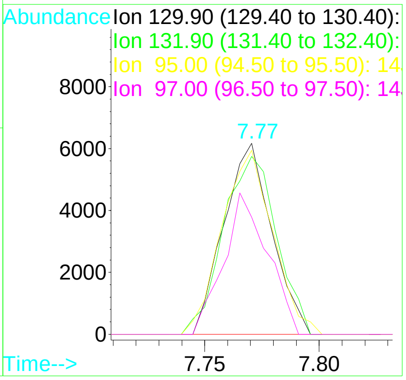


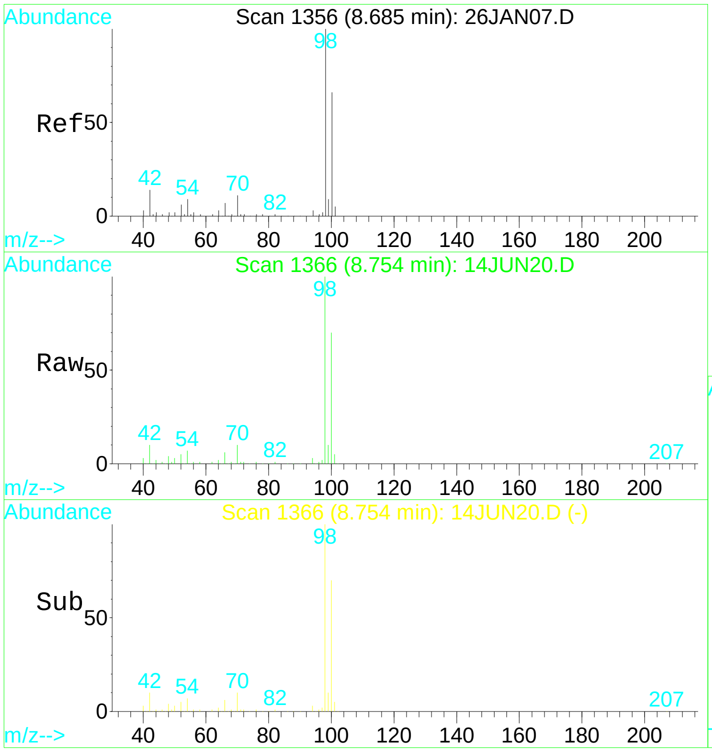
```
#26
1,4-Difluorobenzene  IS#2
Concen:   10.00 ug/L
RT: 7.56 min  Scan# 1132
Delta R.T.   -0.02 min
Lab File:   14JUN20.D
Acq: 14 Jun 2022  12:59 pm

Tgt Ion: 63 Resp:  105863
Ion  Ratio  Lower  Upper
 63  100
 88   81.3   56.5  104.9
 94   26.5   19.0   35.4
```



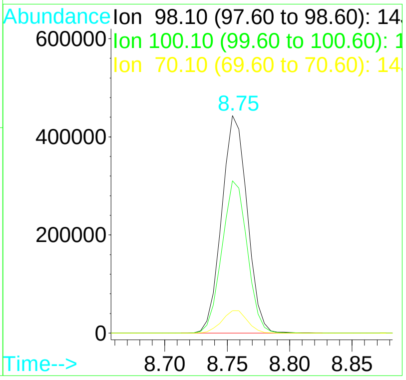


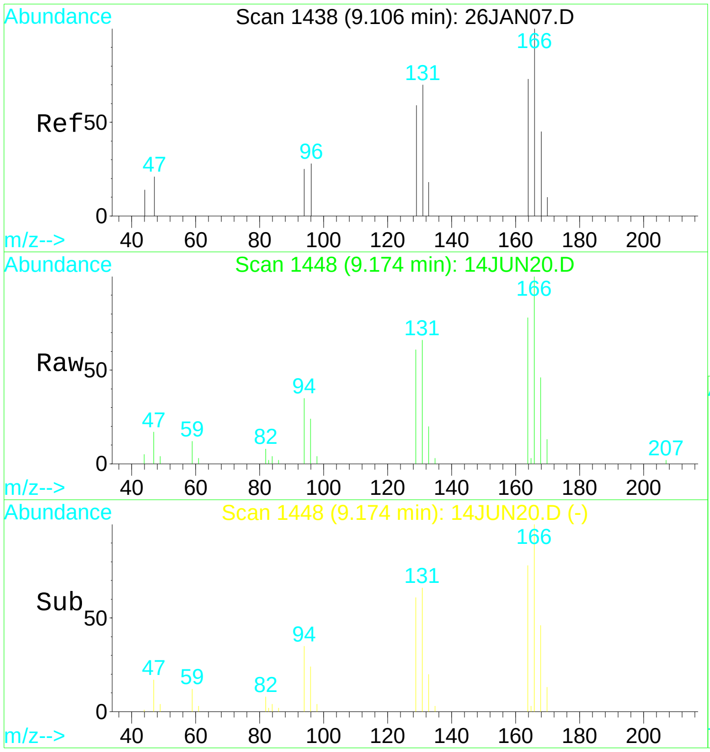
```
#27
Trichloroethene
Concen:    0.47 ug/L
RT: 7.77 min  Scan# 1174
Delta R.T.   -0.01 min
Lab File:   14JUN20.D
Acq: 14 Jun 2022  12:59 pm

Tgt Ion:130 Resp:    8990
Ion  Ratio   Lower  Upper
130  100
132  104.1   67.8   126.0
 95  102.1   69.4   129.0
 97   67.6   45.4    84.4
```



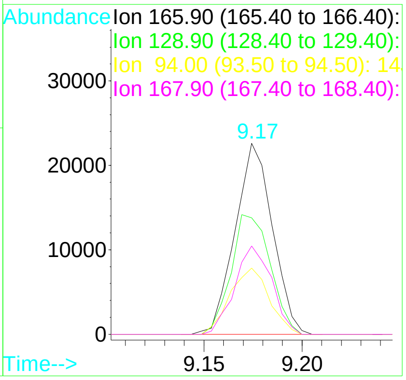


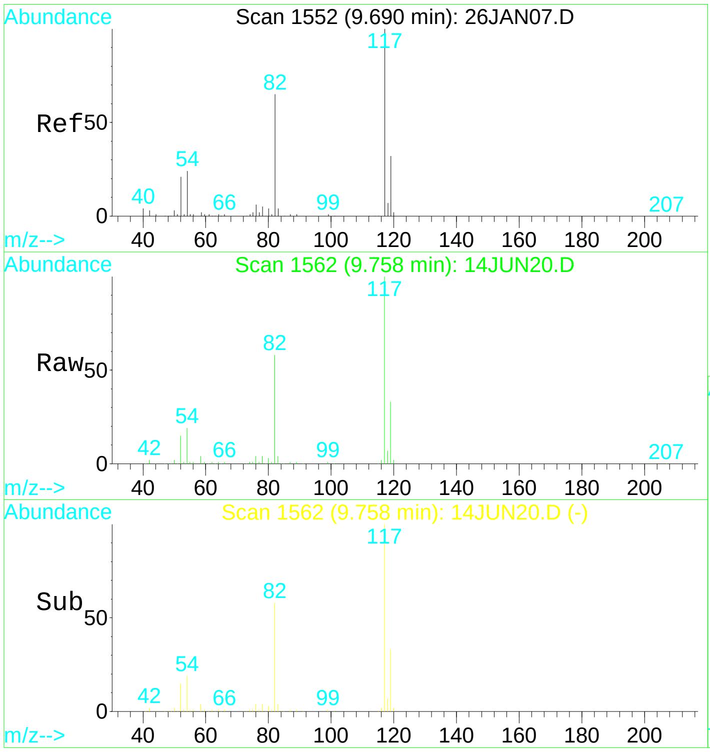
```
#33
Toluene d8 SMC#2
Concen:    N.D. ug/L
RT: 8.75 min  Scan# 1366
Delta R.T.   -0.02 min
Lab File:   14JUN20.D
Acq: 14 Jun 2022  12:59 pm

Tgt Ion: 98 Resp:  632023
Ion  Ratio   Lower  Upper
 98  100
100   69.5   48.0    89.2
 70   10.3    7.1    13.3
```



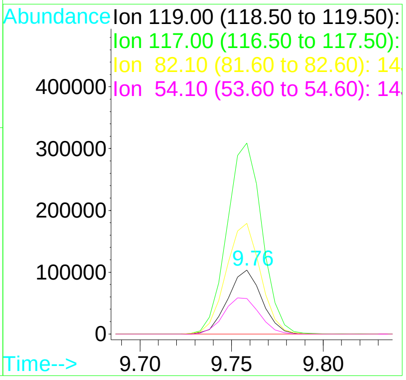


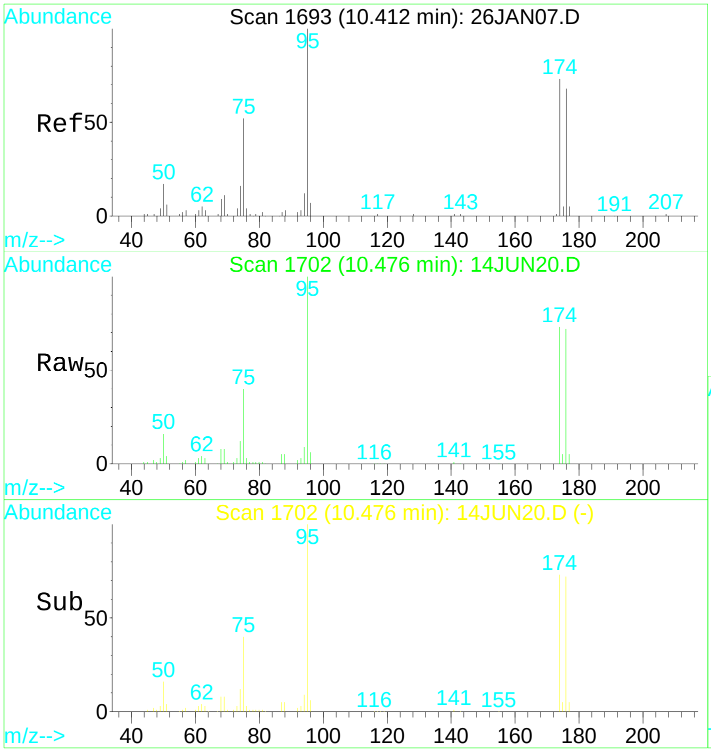
```
#37
Tetrachloroethene (PCE)
Concen:    1.46 ug/L
RT: 9.17 min  Scan# 1448
Delta R.T.   -0.01 min
Lab File:   14JUN20.D
Acq: 14 Jun 2022  12:59 pm

Tgt Ion:166 Resp:   29954
Ion  Ratio  Lower   Upper
166  100
129   65.6   45.9    85.3
 94   36.3   24.3    45.1
168   45.8   34.1    63.3
```



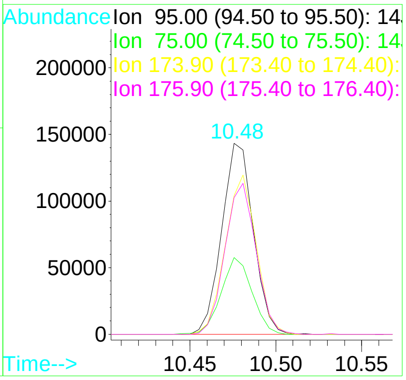


```
#41
Chlorobenzene d5 IS#3
Concen:   10.00 ug/L
RT: 9.76 min  Scan# 1562
Delta R.T.   -0.01 min
Lab File:   14JUN20.D
Acq: 14 Jun 2022  12:59 pm

Tgt Ion:119 Resp:  134221
Ion  Ratio  Lower   Upper
119  100
117  307.4  214.1  397.7
 82  174.0  119.0  221.0
 54   58.8   42.1   78.1
```





```
#51
Bromofluorobenzene SMC#3
Concen:     N.D. ug/L
RT: 10.48 min  Scan# 1702
Delta R.T.    -0.02 min
Lab File:   14JUN20.D
Acq: 14 Jun 2022  12:59 pm

Tgt Ion: 95 Resp:  183077
Ion  Ratio  Lower  Upper
 95  100
 75   39.2   28.3   52.5
174   81.7   61.7  114.7
176   77.9   59.2  110.0
```

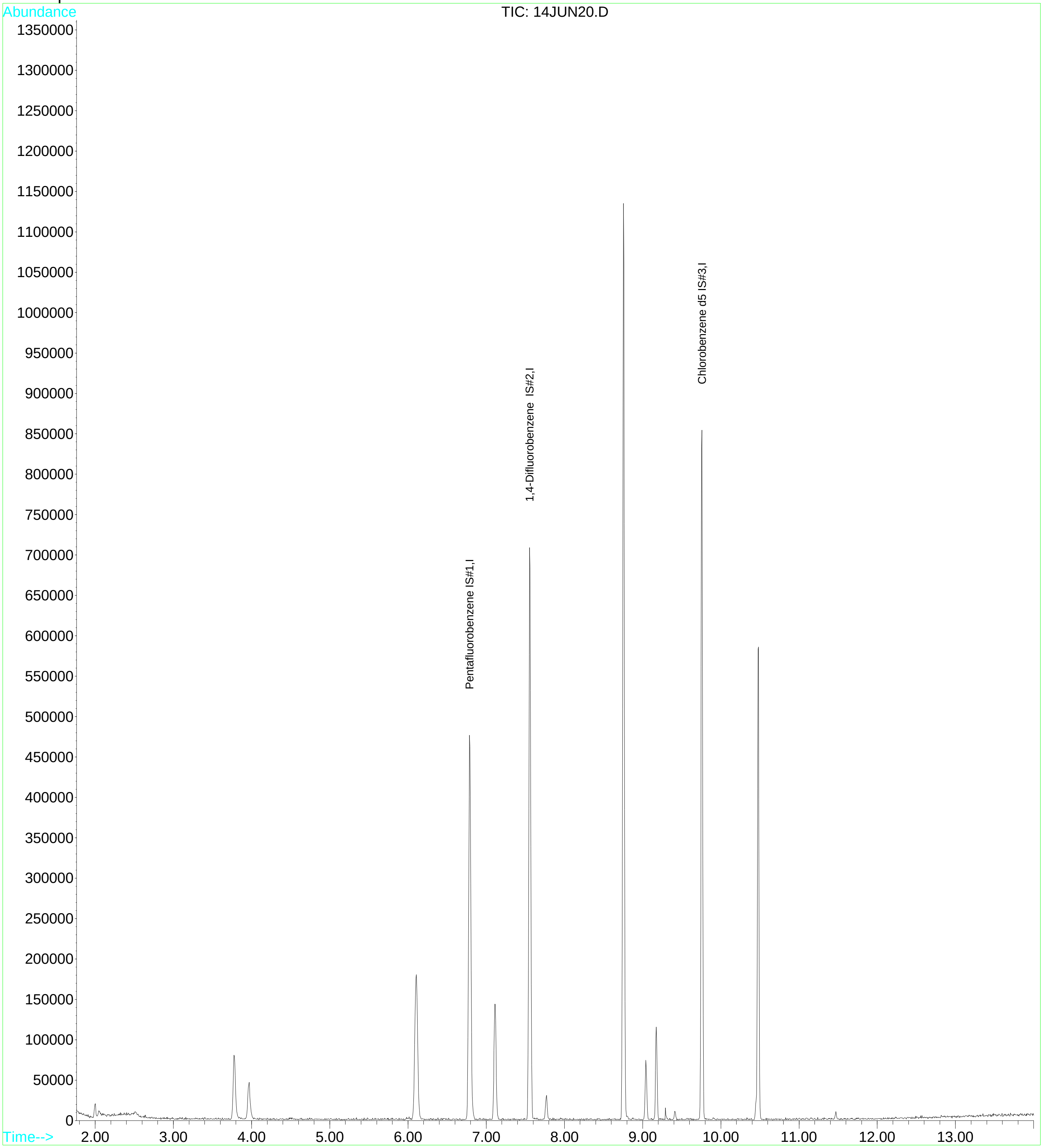


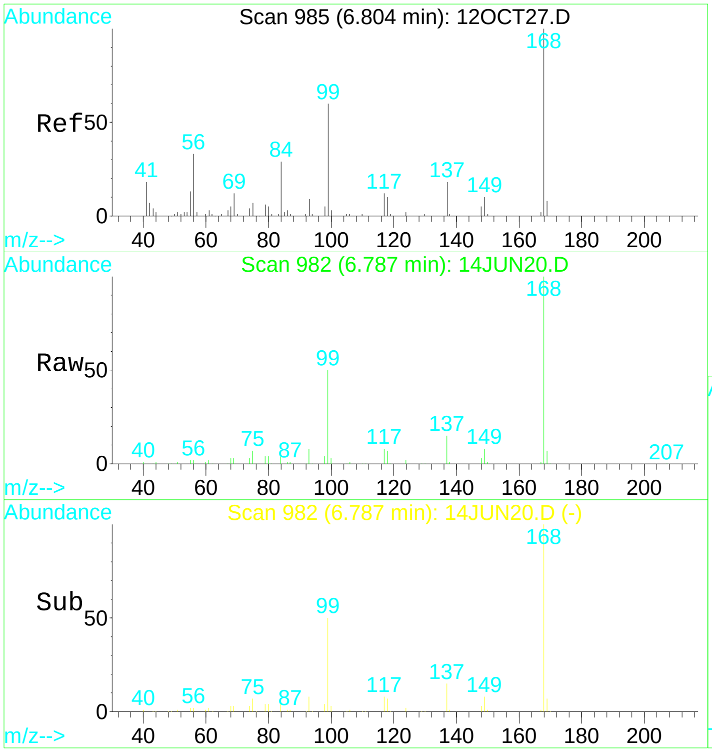
```
                         Quantitation Report    (QT Reviewed)

Data File : D:\DATA\JUN2022C\JUN14\14JUN20.D            Vial: 20
Acq On    : 14 Jun 2022  12:59 pm                   Operator: MGC
Sample    : 2213551-08                              Inst    : MS-V5
Misc      : 1 ;25ML;pH=2                            Multiplr: 1.00
MS Integration Params: rteint.p
 Quant Time: Jun 15 10:07 2022            Quant Results File: 82605CX.RES

Quant Method : C:\HPCHEM\1...\82605CX.M (RTE Integrator)
Title        : EPA Method 8260C/DX
Last Update  : Tue Jun 14 08:47:02 2022
Response via : Initial Calibration
DataAcq Meth : 82605

 Internal Standards                R.T. QIon  Response  Conc Units Dev(Min)
 -----------------------------------------------------------------------------
   1) Pentafluorobenzene IS#1      6.79  137     53508    10.00 ug/L   -0.03
  29) 1,4-Difluorobenzene  IS#2    7.56   63    105863    10.00 ug/L   -0.01
  36) Chlorobenzene d5 IS#3        9.76  119    134221    10.00 ug/L    0.00

 Target Compounds                                                   Qvalue
```

```
 -----------------------------------------------------------------------------
 (#) = qualifier out of range (m) = manual integration
 14JUN20.D  82605CX.M      Wed Jun 15 10:10:51 2022                        Page 1
```

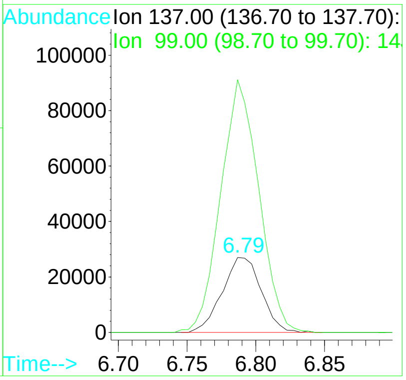
Quantitation Report

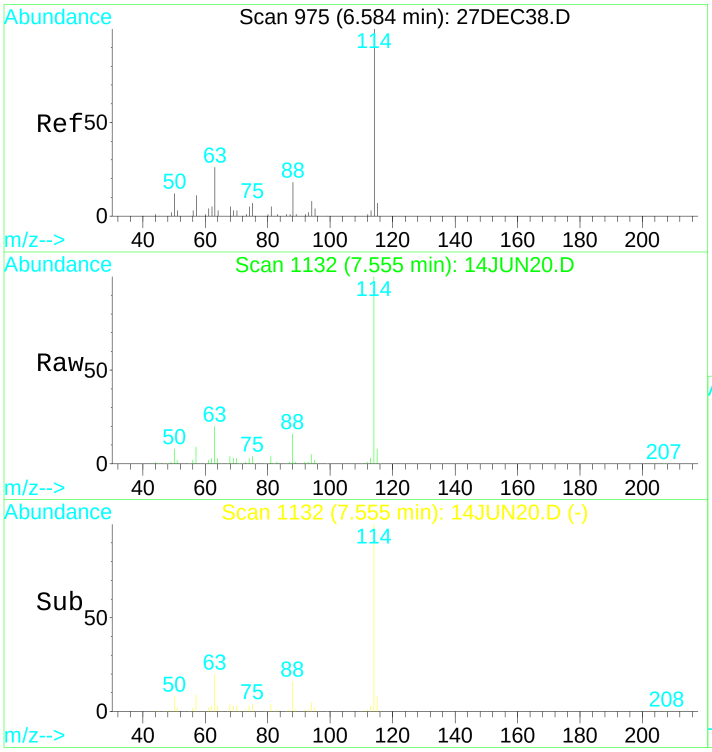
```
Data File : D:\DATA\JUN2022C\JUN14\14JUN20.D           Vial: 20
Acq On    : 14 Jun 2022  12:59 pm                   Operator: MGC
Sample    : 2213551-08                              Inst    : MS-V5
Misc      : 1 ;25ML;pH=2                            Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jun 15 10:07 2022            Quant Results File: 82605CX.RES

Method       : C:\HPCHEM\1\METHODS\C\202206\10-1632\82605CX.M (RTE Integrator)
Title        : EPA Method 8260C/DX
Last Update  : Tue Jun 14 08:47:02 2022
Response via : Initial Calibration
```



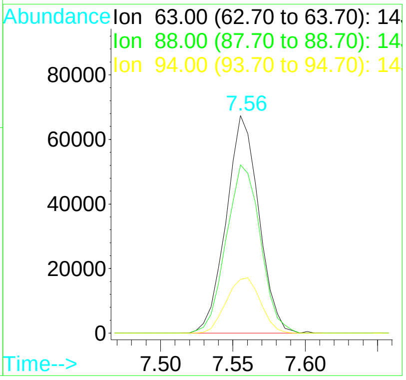


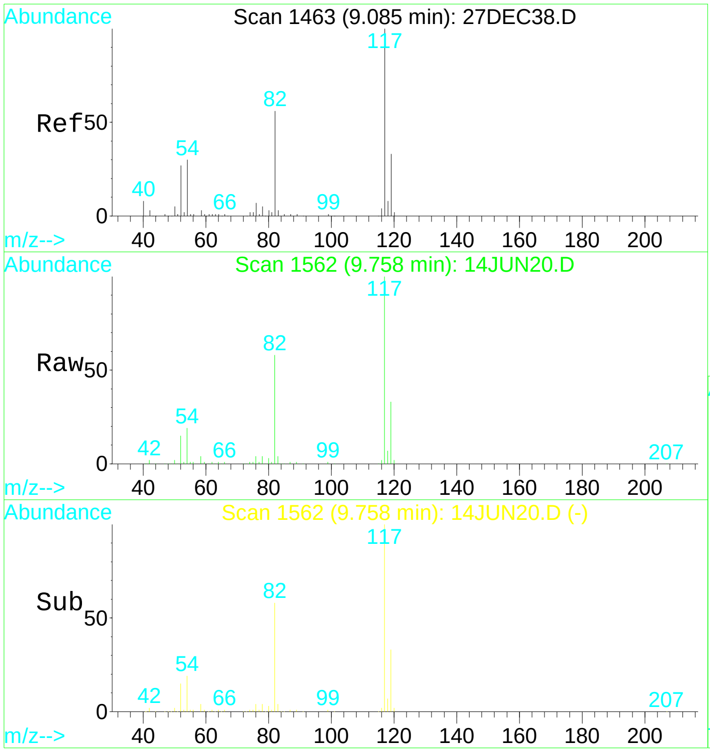
```
#1
Pentafluorobenzene IS#1
Concen:   10.00 ug/L
RT: 6.79 min  Scan# 982
Delta R.T.   -0.03 min
Lab File:   14JUN20.D
Acq: 14 Jun 2022  12:59 pm

Tgt Ion:137 Resp:   53508
Ion  Ratio  Lower  Upper
137  100
 99  327.8  270.7  502.7
```



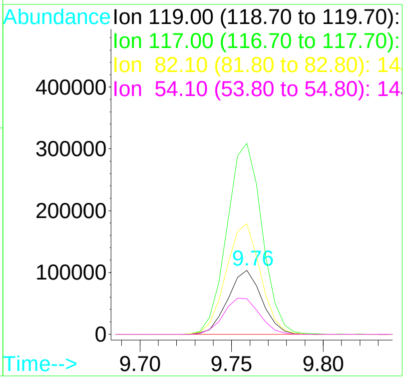


```
#29
1,4-Difluorobenzene  IS#2
Concen:   10.00 ug/L
RT: 7.56 min  Scan# 1132
Delta R.T.   -0.01 min
Lab File:   14JUN20.D
Acq: 14 Jun 2022  12:59 pm

Tgt Ion: 63 Resp:  105863
Ion  Ratio  Lower  Upper
 63  100
 88   81.3   58.6  108.8
 94   26.5   20.2   37.6
```





```
#36
Chlorobenzene d5 IS#3
Concen:   10.00 ug/L
RT: 9.76 min  Scan# 1562
Delta R.T.   -0.01 min
Lab File:   14JUN20.D
Acq: 14 Jun 2022  12:59 pm

Tgt Ion:119 Resp:  134221
Ion  Ratio  Lower  Upper
119  100
117  307.4  212.7  395.1
 82  174.0  118.4  220.0
 54   58.8   40.5   75.1
```

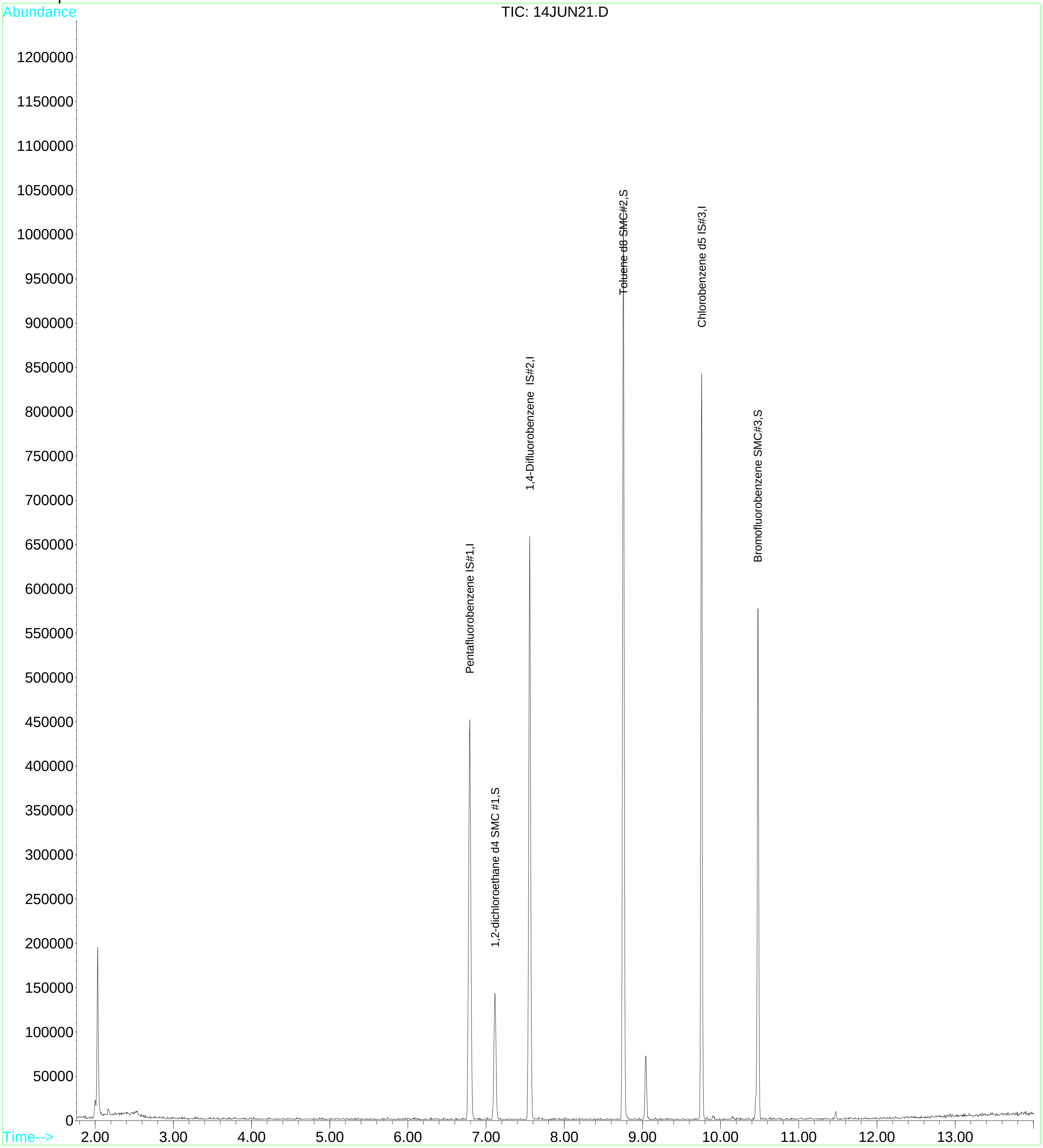


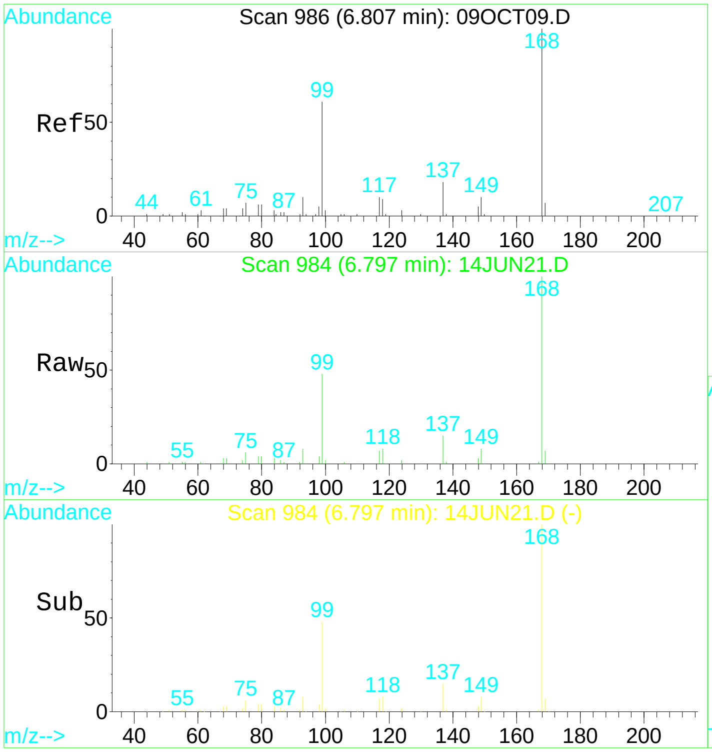
```
                             Quantitation Report    (QT Reviewed)

Data File : D:\DATA\JUN2022C\JUN14\14JUN21.D            Vial: 21
Acq On    : 14 Jun 2022   1:23 pm                   Operator: MGC
Sample    : 2213551-09                              Inst    : MS-V5
Misc      : 1 ;25ML;pH=2                            Multiplr: 1.00
MS Integration Params: rteint.p
 Quant Time: Jun 15  6:18 2022             Quant Results File: 82605C.RES

Quant Method : C:\HPCHEM\1...\82605C.M (RTE Integrator)
Title        : EPA Method  8260C/D
Last Update  : Tue Jun 14 08:18:30 2022
Response via : Initial Calibration
DataAcq Meth : 82605

 Internal Standards                R.T. QIon  Response  Conc Units Dev(Min)
 -------------------------------------------------------------------------
   1) Pentafluorobenzene IS#1      6.80  137    49947    10.00 ug/L   -0.01
  26) 1,4-Difluorobenzene  IS#2    7.56   63   102449    10.00 ug/L   -0.01
  41) Chlorobenzene d5 IS#3        9.76  119   128207    10.00 ug/L   -0.01

 System Monitoring Compounds
  23) 1,2-dichloroethane d4 SMC    7.11   65    85541     9.96 ug/L   -0.01
   Spiked Amount     10.000   Range  75 - 125    Recovery   =   99.60%
  33) Toluene d8 SMC#2             8.76   98   591549     9.95 ug/L   -0.01
   Spiked Amount     10.000   Range  80 - 120    Recovery   =   99.50%
  51) Bromofluorobenzene SMC#3    10.48   95   175039     9.72 ug/L   -0.02
   Spiked Amount     10.000   Range  80 - 120    Recovery   =   97.20%

 Target Compounds                                                    Qvalue
```

```
 -------------------------------------------------------------------------
 (#) = qualifier out of range (m) = manual integration
```

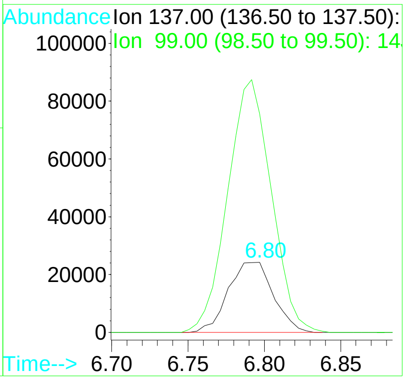
Quantitation Report

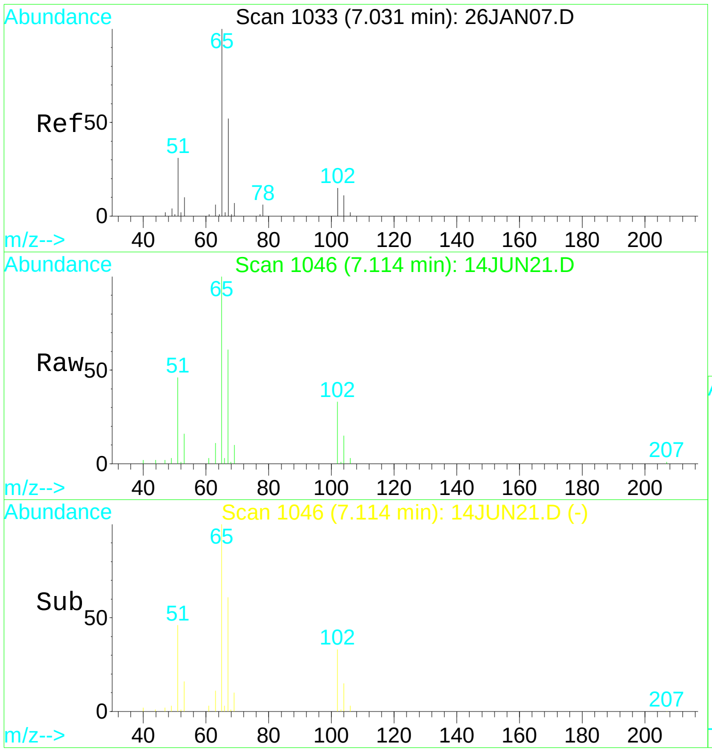
```
Data File : D:\DATA\JUN2022C\JUN14\14JUN21.D            Vial: 21
Acq On    : 14 Jun 2022   1:23 pm                   Operator: MGC
Sample    : 2213551-09                              Inst    : MS-V5
Misc      : 1 ;25ML;pH=2                            Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jun 15  6:18 2022             Quant Results File: 82605C.RES

Method       : C:\HPCHEM\1\METHODS\C\202206\10-1156\82605C.M (RTE Integrator)
Title        : EPA Method  8260C/D
Last Update  : Tue Jun 14 08:18:30 2022
Response via : Initial Calibration
```



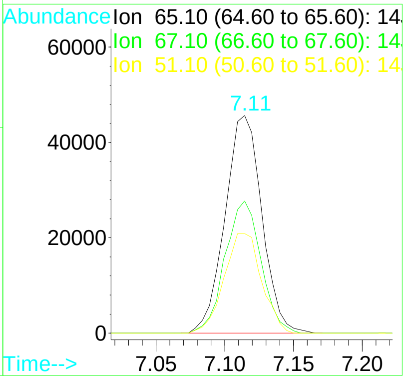


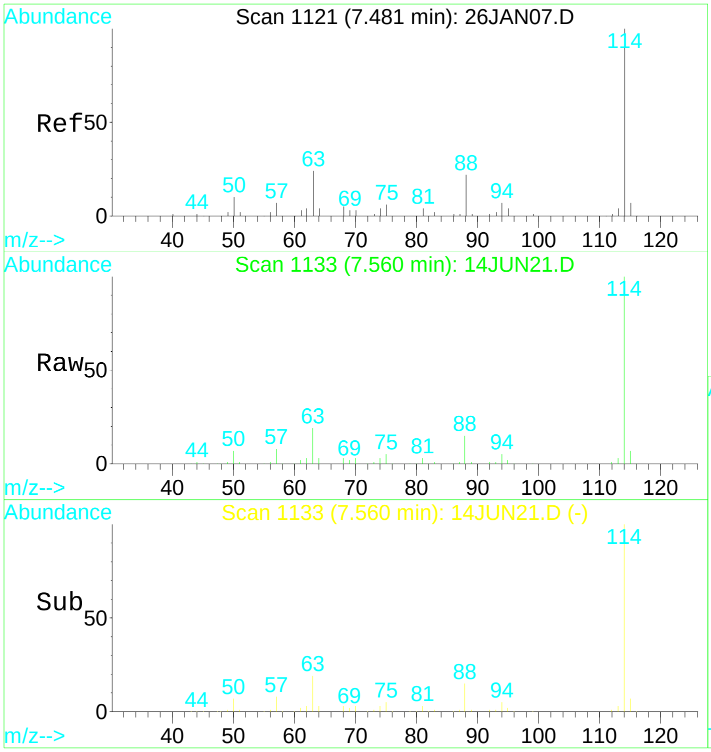
```
#1
Pentafluorobenzene IS#1
Concen:   10.00 ug/L
RT: 6.80 min  Scan# 984
Delta R.T.   -0.01 min
Lab File:   14JUN21.D
Acq: 14 Jun 2022   1:23 pm

Tgt Ion:137 Resp:   49947
Ion  Ratio  Lower  Upper
137  100
 99  347.5  1352.1  2511.0#
```



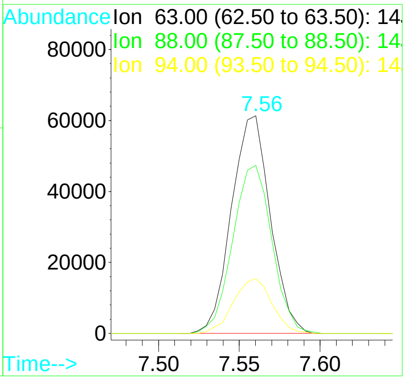


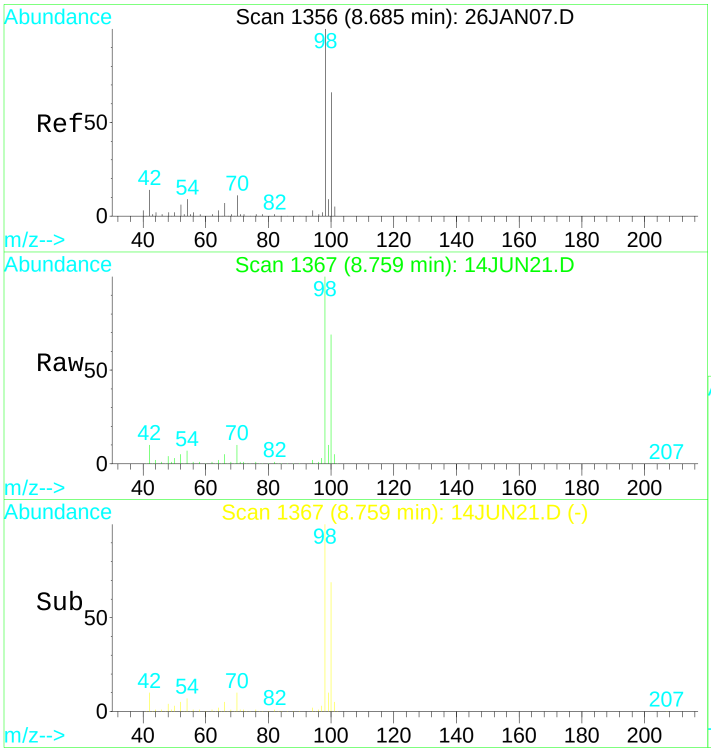
```
#23
1,2-dichloroethane d4 SMC #1
Concen:    N.D. ug/L
RT: 7.11 min  Scan# 1046
Delta R.T.   -0.01 min
Lab File:   14JUN21.D
Acq: 14 Jun 2022   1:23 pm

Tgt Ion: 65 Resp:   85541
Ion  Ratio  Lower  Upper
 65  100
 67   59.0   41.2   76.4
 51   46.4  449.7  835.3#
```



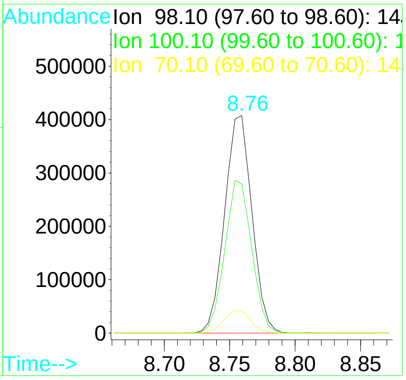


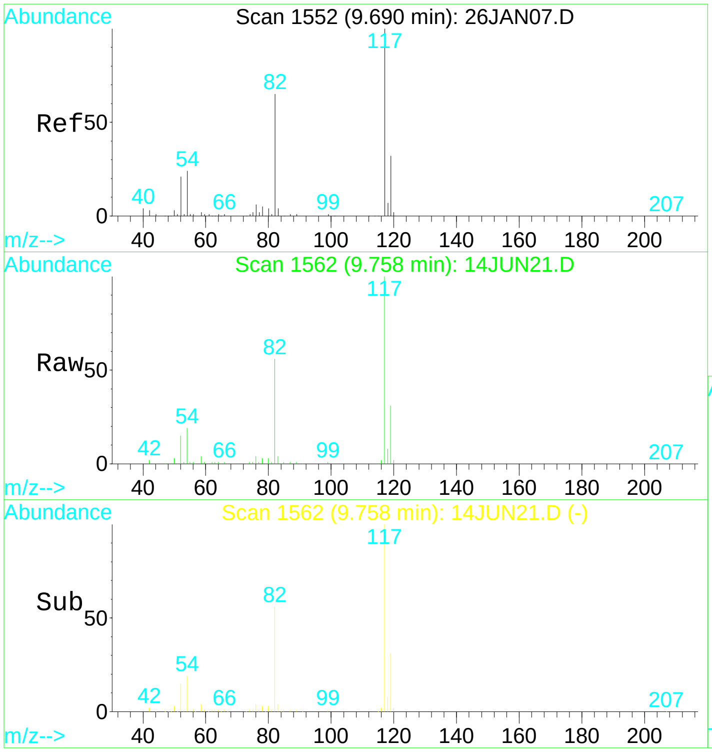
```
#26
1,4-Difluorobenzene  IS#2
Concen:   10.00 ug/L
RT: 7.56 min  Scan# 1133
Delta R.T.   -0.01 min
Lab File:   14JUN21.D
Acq: 14 Jun 2022   1:23 pm

Tgt Ion: 63 Resp:  102449
Ion  Ratio  Lower  Upper
 63  100
 88   77.8   56.5  104.9
 94   24.8   19.0   35.4
```





```
#33
Toluene d8 SMC#2
Concen:    N.D. ug/L
RT: 8.76 min  Scan# 1367
Delta R.T.   -0.01 min
Lab File:   14JUN21.D
Acq: 14 Jun 2022   1:23 pm

Tgt Ion: 98 Resp:  591549
Ion  Ratio  Lower  Upper
 98  100
100   69.2   48.0   89.2
 70   10.3    7.1   13.3
```

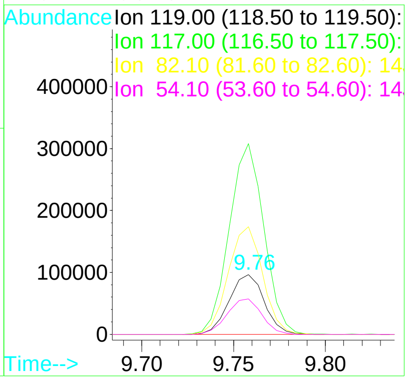


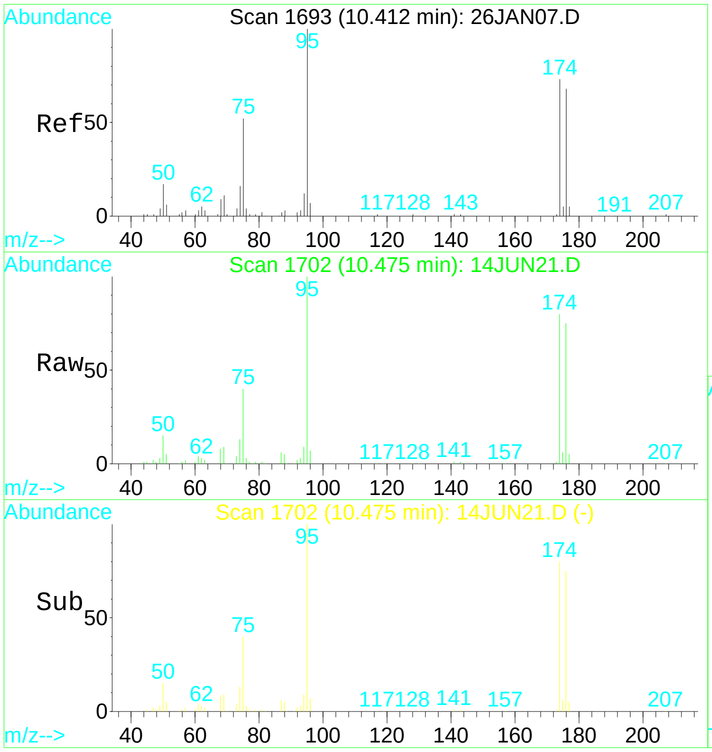


#41
Chlorobenzene d5 IS#3
Concen: 10.00 ug/L
RT: 9.76 min Scan# 1562
Delta R.T. -0.01 min
Lab File: 14JUN21.D
Acq: 14 Jun 2022 1:23 pm

Tgt Ion:119 Resp: 128207

Ion	Ratio	Lower	Upper
119	100		
117	315.3	214.1	397.7
82	176.9	119.0	221.0
54	58.5	42.1	78.1

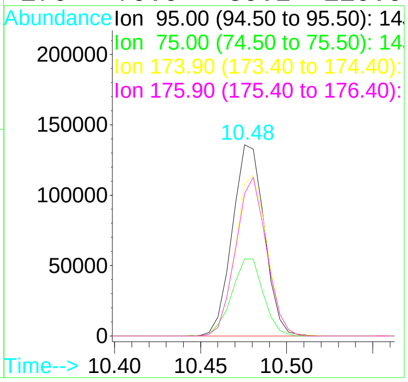




#51
Bromofluorobenzene SMC#3
Concen: N.D. ug/L
RT: 10.48 min Scan# 1702
Delta R.T. -0.02 min
Lab File: 14JUN21.D
Acq: 14 Jun 2022 1:23 pm

Tgt Ion: 95 Resp: 175039

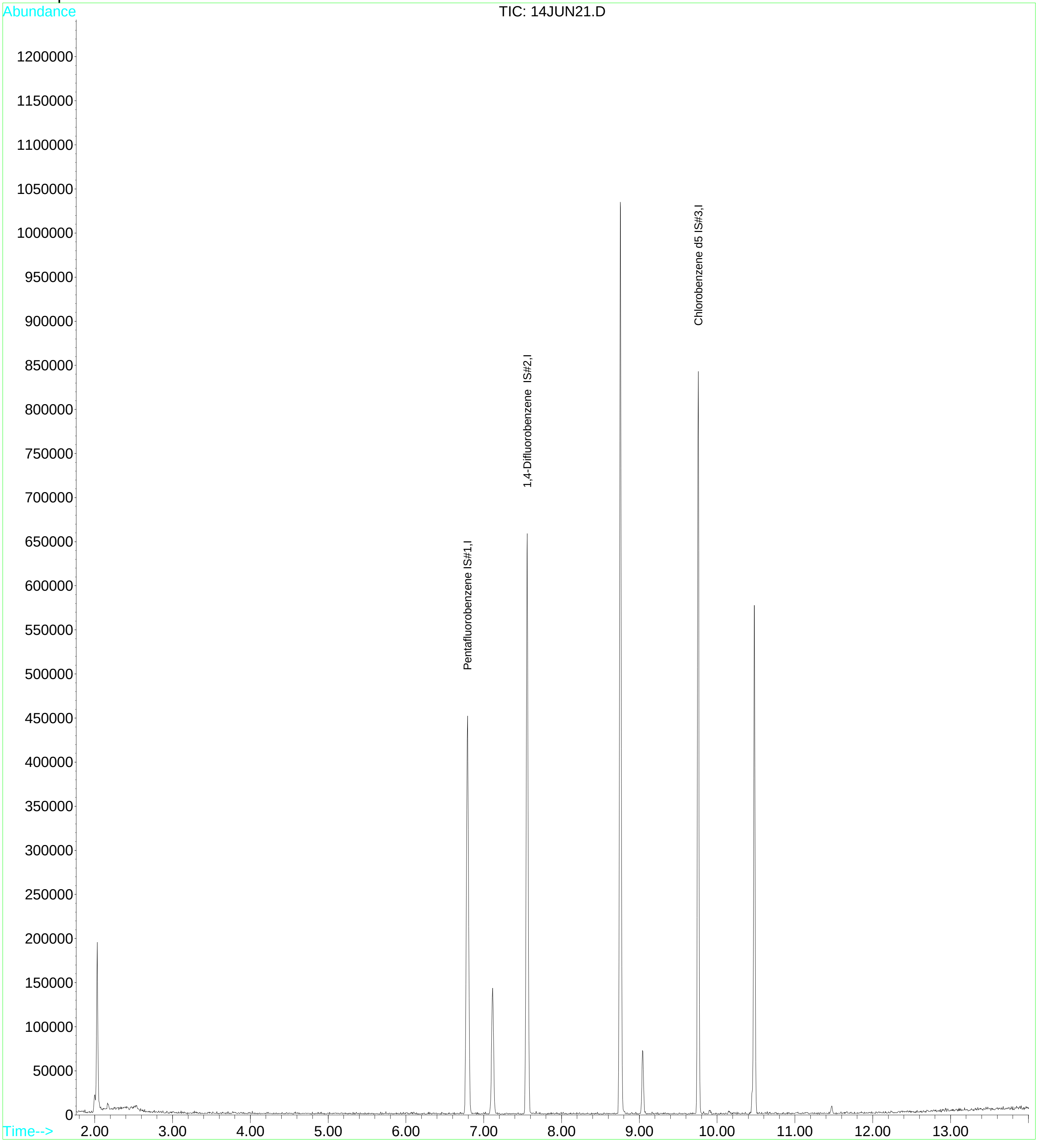
Ion	Ratio	Lower	Upper
95	100		
75	39.9	28.3	52.5
174	83.5	61.7	114.7
176	79.9	59.2	110.0



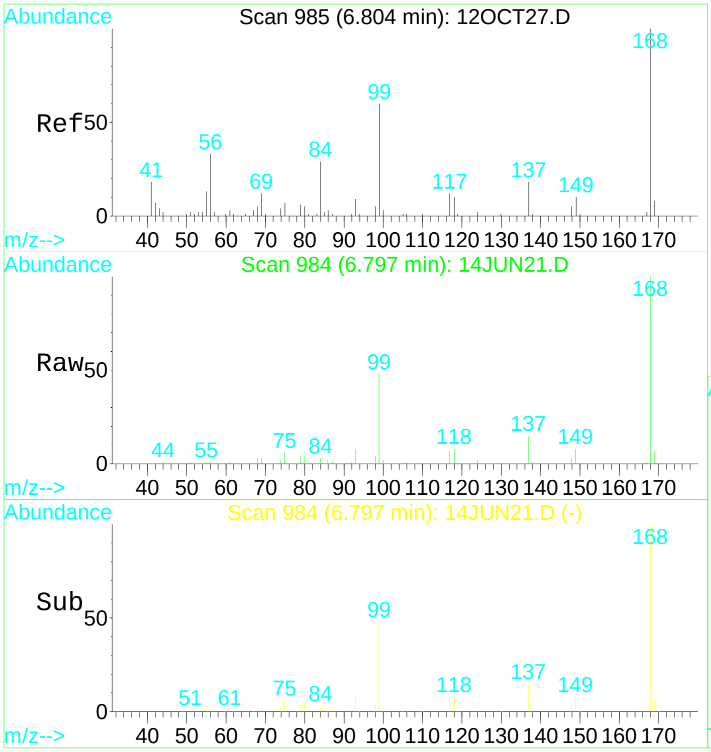
```
                              Quantitation Report    (QT Reviewed)

Data File : D:\DATA\JUN2022C\JUN14\14JUN21.D             Vial: 21
Acq On    : 14 Jun 2022   1:23 pm                    Operator: MGC
Sample    : 2213551-09                               Inst    : MS-V5
Misc      : 1 ;25ML;pH=2                             Multiplr: 1.00
MS Integration Params: rteint.p
 Quant Time: Jun 15  6:29 2022            Quant Results File: 82605CX.RES

Quant Method : C:\HPCHEM\1...\82605CX.M (RTE Integrator)
Title        : EPA Method 8260C/DX
Last Update  : Tue Jun 14 08:47:02 2022
Response via : Initial Calibration
DataAcq Meth : 82605

 Internal Standards                R.T. QIon  Response  Conc Units Dev(Min)
 -------------------------------------------------------------------------
   1) Pentafluorobenzene IS#1      6.80  137     49947    10.00 ug/L   -0.02
  29) 1,4-Difluorobenzene  IS#2    7.56   63    102449    10.00 ug/L   -0.01
  36) Chlorobenzene d5 IS#3        9.76  119    128207    10.00 ug/L   -0.01

 Target Compounds                                                   Qvalue

 -------------------------------------------------------------------------
 (#) = qualifier out of range (m) = manual integration
```

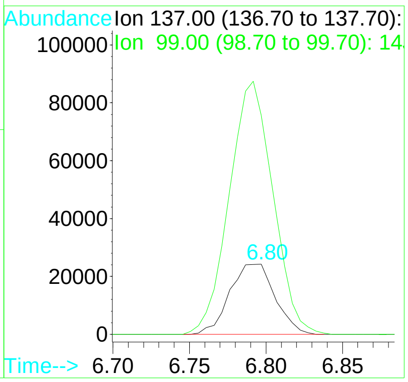
Quantitation Report

```
Data File : D:\DATA\JUN2022C\JUN14\14JUN21.D           Vial: 21
Acq On    : 14 Jun 2022   1:23 pm                   Operator: MGC
Sample    : 2213551-09                              Inst    : MS-V5
Misc      : 1 ;25ML;pH=2                            Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jun 15  6:29 2022           Quant Results File: 82605CX.RES

Method       : C:\HPCHEM\1\METHODS\C\202206\10-1632\82605CX.M (RTE Integrator)
Title        : EPA Method 8260C/DX
Last Update  : Tue Jun 14 08:47:02 2022
Response via : Initial Calibration
```

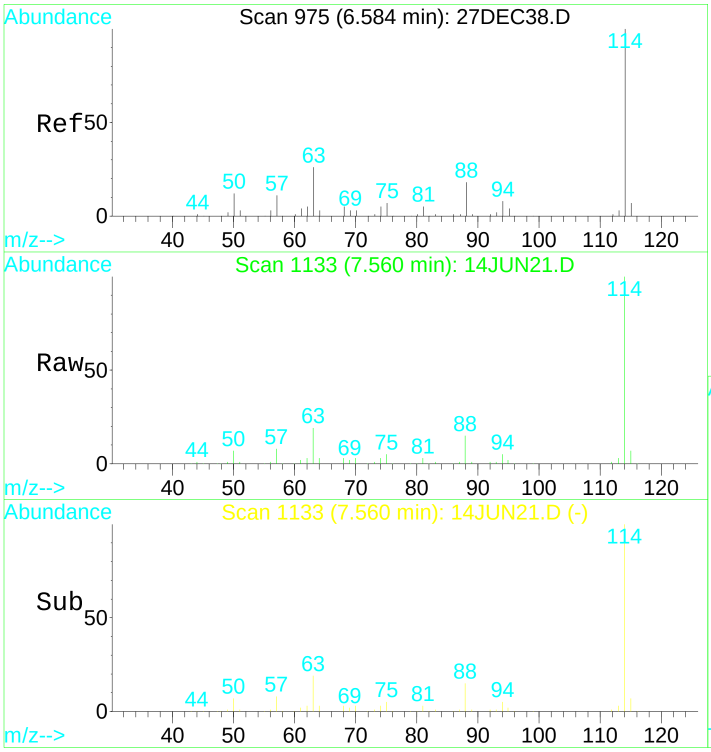


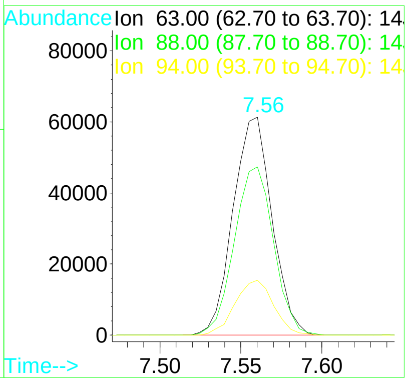
```
#1
Pentafluorobenzene IS#1
Concen:   10.00 ug/L
RT: 6.80 min  Scan# 984
Delta R.T.   -0.02 min
Lab File:   14JUN21.D
Acq: 14 Jun 2022   1:23 pm

Tgt Ion:137 Resp:   49947
Ion  Ratio  Lower  Upper
137  100
 99  347.5  270.7  502.7
```

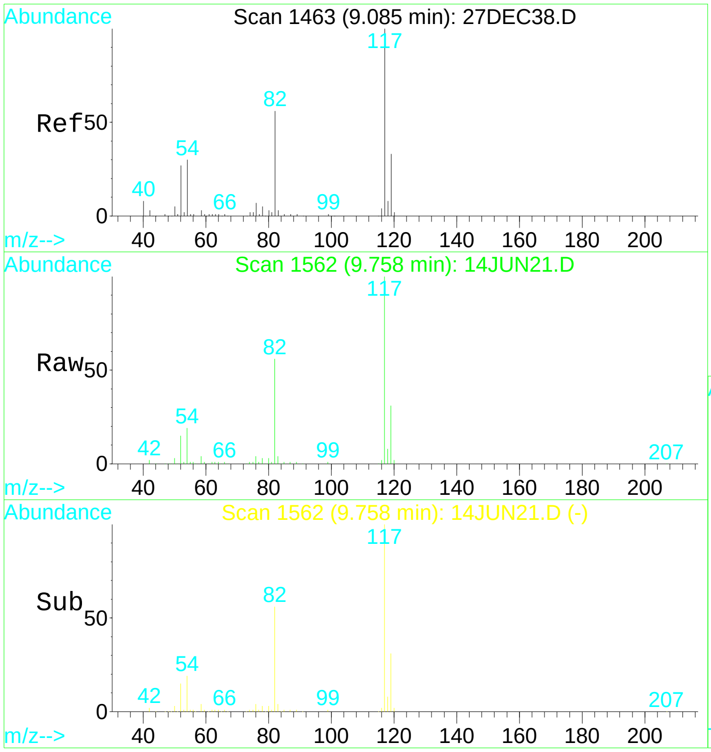




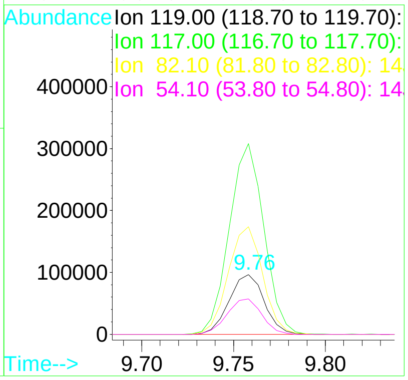
```
#29
1,4-Difluorobenzene  IS#2
Concen:   10.00 ug/L
RT: 7.56 min  Scan# 1133
Delta R.T.   -0.01 min
Lab File:   14JUN21.D
Acq: 14 Jun 2022   1:23 pm

Tgt Ion: 63 Resp:  102449
Ion  Ratio  Lower  Upper
 63  100
 88   77.8   58.6  108.8
 94   24.8   20.2   37.6
```







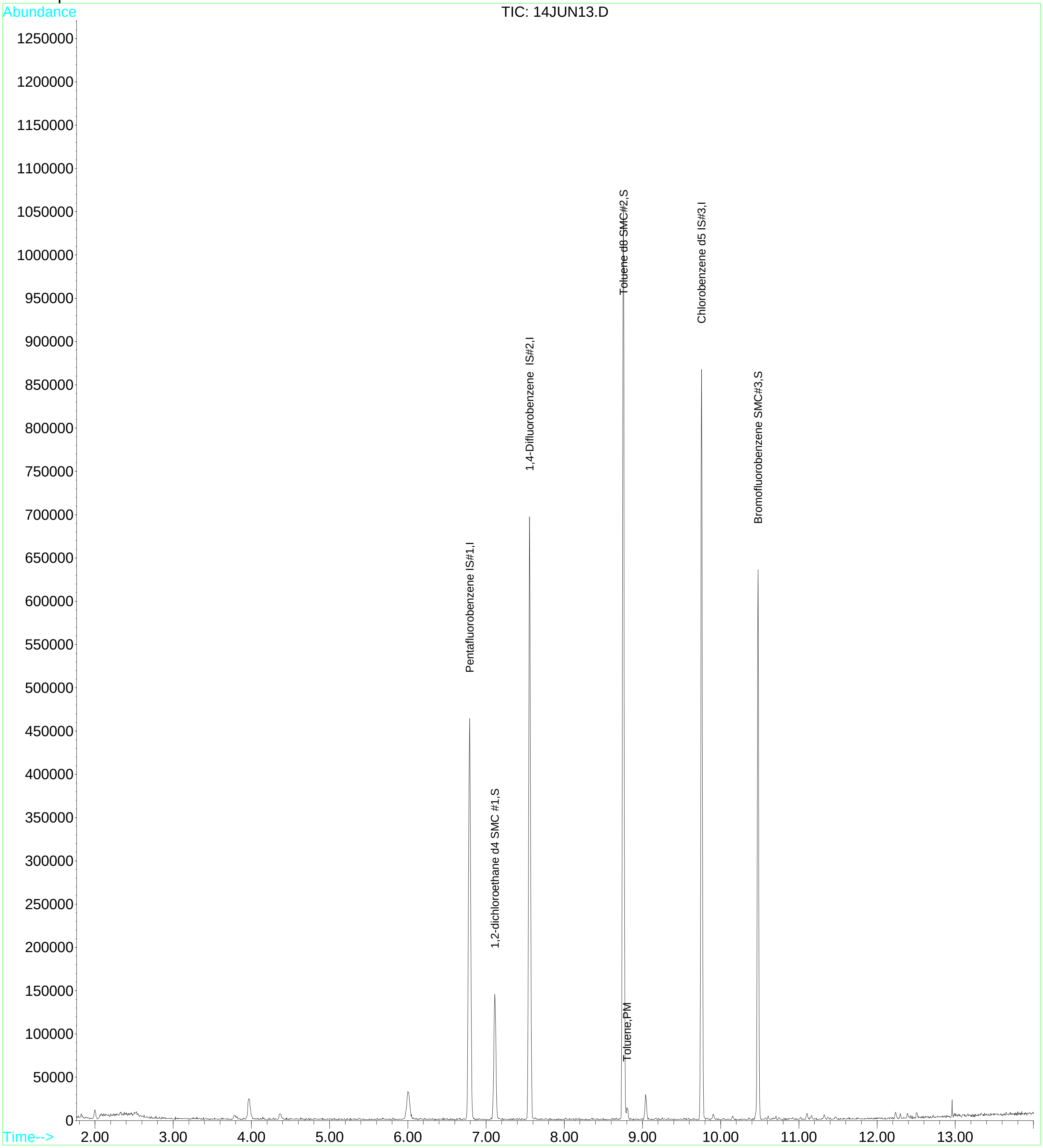
```
#36
Chlorobenzene d5 IS#3
Concen:   10.00 ug/L
RT: 9.76 min  Scan# 1562
Delta R.T.   -0.01 min
Lab File:   14JUN21.D
Acq: 14 Jun 2022   1:23 pm

Tgt Ion:119 Resp:  128207
Ion  Ratio  Lower  Upper
119  100
117  315.3  212.7  395.1
 82  176.9  118.4  220.0
 54   58.5   40.5   75.1
```

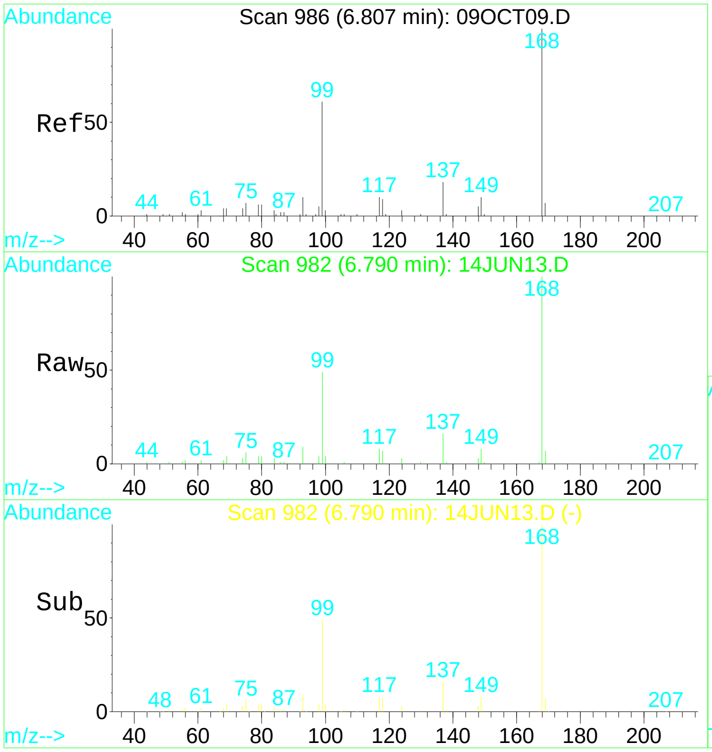


```
                             Quantitation Report    (QT Reviewed)

Data File : D:\DATA\JUN2022C\JUN14\14JUN13.D             Vial: 13
Acq On    : 14 Jun 2022  10:06 am                    Operator: MGC
Sample    : 2213551-10                               Inst    : MS-V5
Misc      : 1 ;25ML;pH=2                             Multiplr: 1.00
MS Integration Params: rteint.p
 Quant Time: Jun 15  6:14 2022              Quant Results File: 82605C.RES

Quant Method : C:\HPCHEM\1...\82605C.M (RTE Integrator)
Title        : EPA Method  8260C/D
Last Update  : Tue Jun 14 08:18:30 2022
Response via : Initial Calibration
DataAcq Meth : 82605

 Internal Standards                R.T. QIon  Response  Conc Units Dev(Min)
 -------------------------------------------------------------------------
   1) Pentafluorobenzene IS#1      6.79  137    53267    10.00 ug/L   -0.02
  26) 1,4-Difluorobenzene  IS#2    7.56   63   103305    10.00 ug/L   -0.01
  41) Chlorobenzene d5 IS#3        9.76  119   133369    10.00 ug/L   -0.01

 System Monitoring Compounds
  23) 1,2-dichloroethane d4 SMC    7.11   65    90882     9.92 ug/L   -0.01
   Spiked Amount     10.000   Range  75 - 125    Recovery   =   99.20%
  33) Toluene d8 SMC#2             8.76   98   608892    10.16 ug/L   -0.01
   Spiked Amount     10.000   Range  80 - 120    Recovery   =  101.60%
  51) Bromofluorobenzene SMC#3    10.48   95   185406     9.90 ug/L   -0.01
   Spiked Amount     10.000   Range  80 - 120    Recovery   =   99.00%

 Target Compounds                                                  Qvalue
  34) Toluene                      8.81   92     5418     0.12 ug/L      79

 -------------------------------------------------------------------------
 (#) = qualifier out of range (m) = manual integration
 14JUN13.D  82605C.M      Wed Jun 15 06:19:08 2022                                         Page 1
```

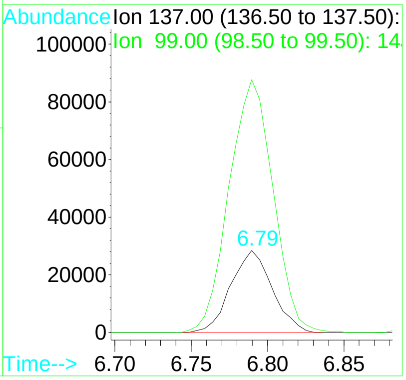
Quantitation Report

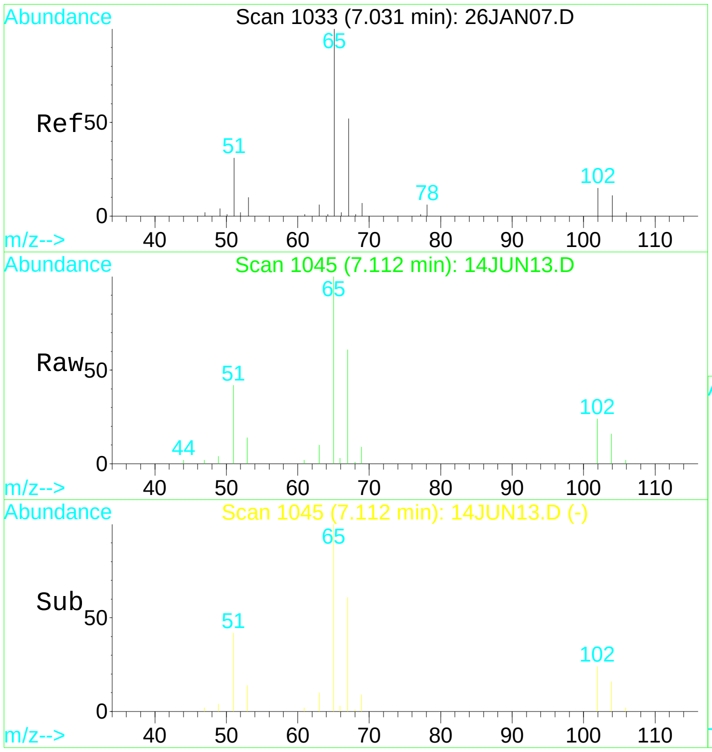
```
Data File : D:\DATA\JUN2022C\JUN14\14JUN13.D            Vial: 13
Acq On    : 14 Jun 2022  10:06 am                    Operator: MGC
Sample    : 2213551-10                               Inst    : MS-V5
Misc      : 1 ;25ML;pH=2                             Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jun 15  6:14 2022           Quant Results File: 82605C.RES

Method       : C:\HPCHEM\1\METHODS\C\202206\10-1156\82605C.M (RTE Integrator)
Title        : EPA Method  8260C/D
Last Update  : Tue Jun 14 08:18:30 2022
Response via : Initial Calibration
```



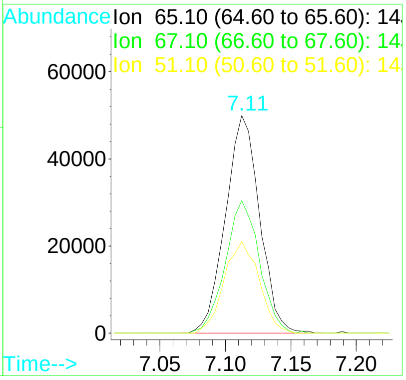


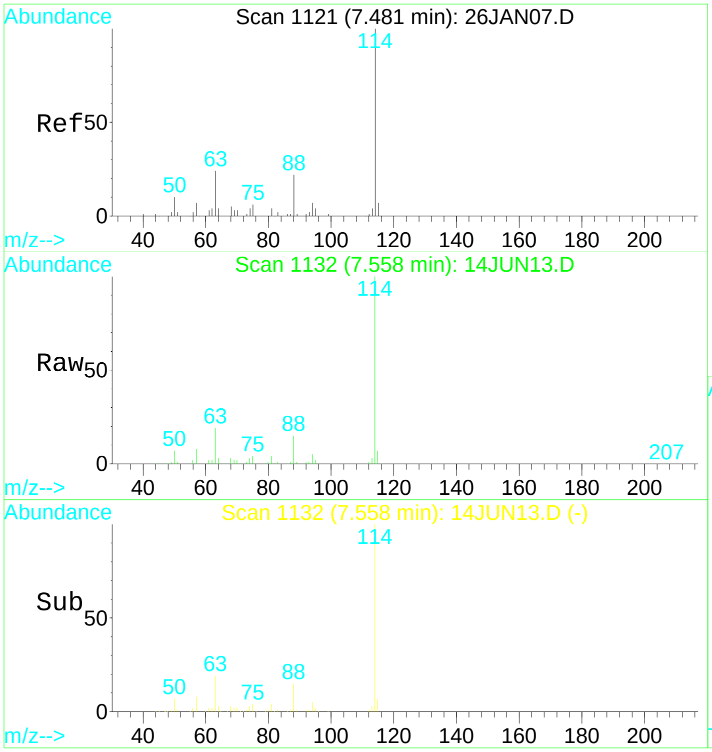
```
#1
Pentafluorobenzene IS#1
Concen:   10.00 ug/L
RT: 6.79 min  Scan# 982
Delta R.T.   -0.02 min
Lab File:   14JUN13.D
Acq: 14 Jun 2022  10:06 am

Tgt Ion:137 Resp:   53267
Ion  Ratio  Lower  Upper
137  100
 99  329.8  1352.1  2511.0#
```





```
#23
1,2-dichloroethane d4 SMC #1
Concen:    N.D. ug/L
RT: 7.11 min  Scan# 1045
Delta R.T.   -0.01 min
Lab File:   14JUN13.D
Acq: 14 Jun 2022  10:06 am

Tgt Ion: 65 Resp:   90882
Ion  Ratio  Lower  Upper
 65  100
 67   60.8   41.2   76.4
 51   43.1  449.7  835.3#
```

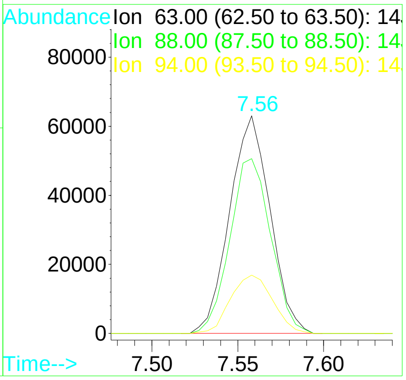


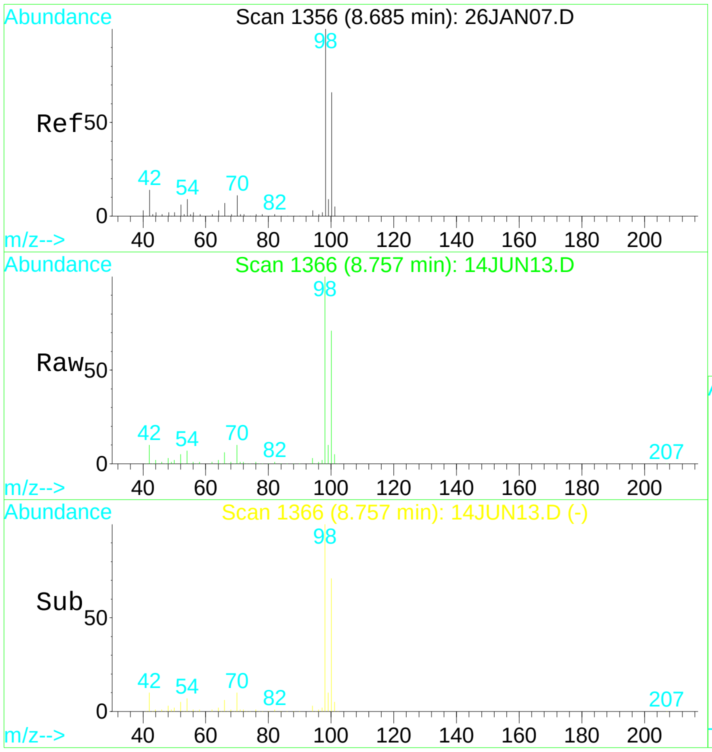


#26
1,4-Difluorobenzene IS#2
Concen: 10.00 ug/L
RT: 7.56 min Scan# 1132
Delta R.T. -0.01 min
Lab File: 14JUN13.D
Acq: 14 Jun 2022 10:06 am

Tgt Ion: 63 Resp: 103305

Ion	Ratio	Lower	Upper
63	100		
88	81.1	56.5	104.9
94	27.9	19.0	35.4

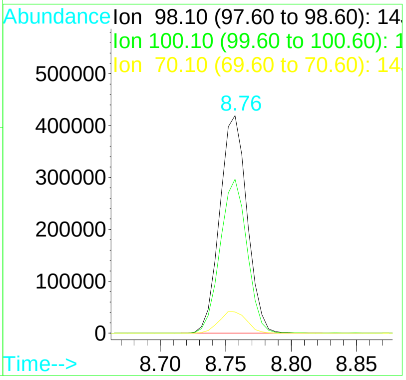


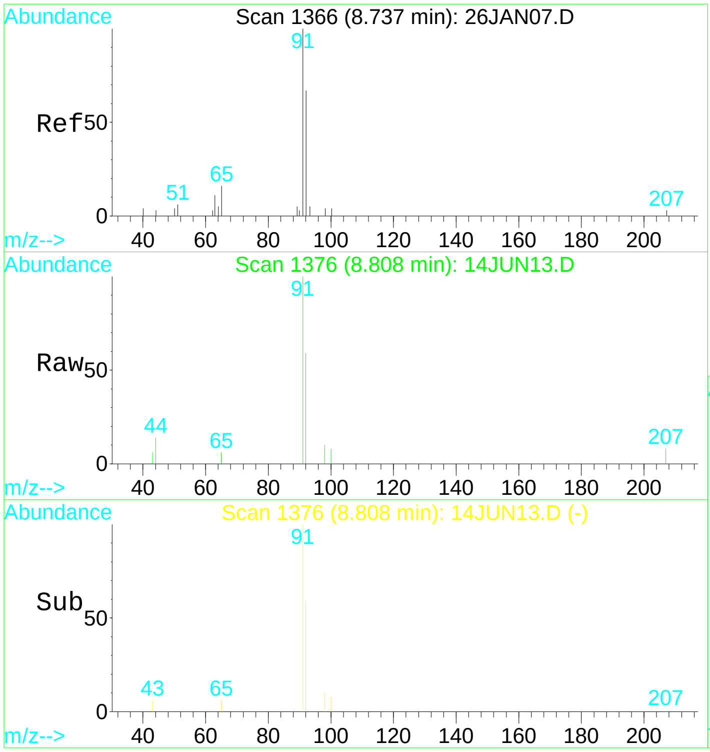


#33
Toluene d8 SMC#2
Concen: N.D. ug/L
RT: 8.76 min Scan# 1366
Delta R.T. -0.01 min
Lab File: 14JUN13.D
Acq: 14 Jun 2022 10:06 am

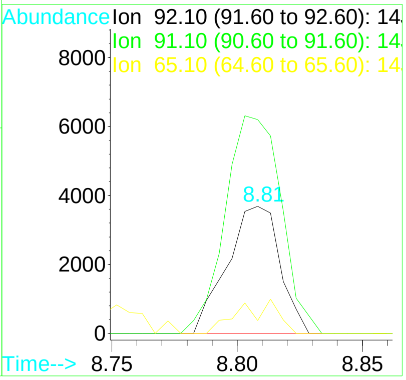
Tgt Ion: 98 Resp: 608892

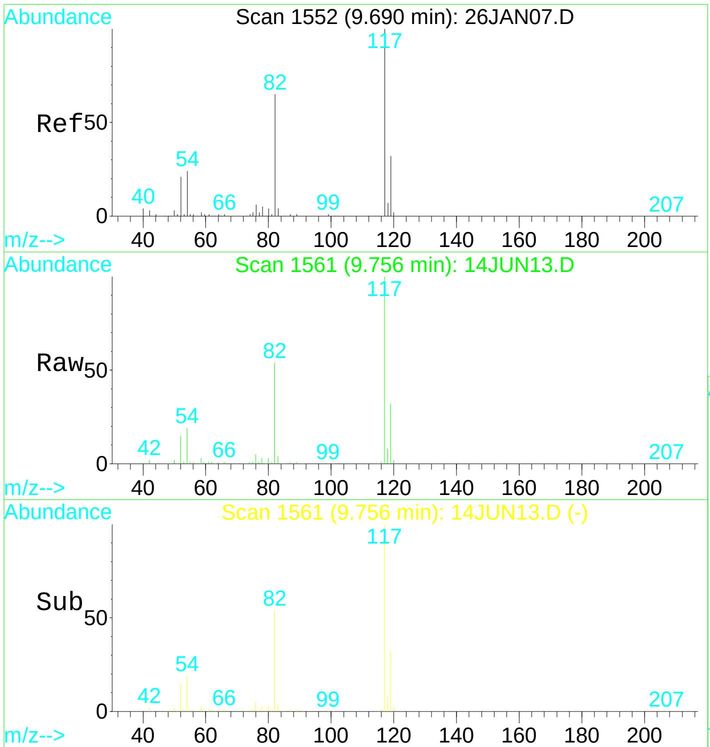
Ion	Ratio	Lower	Upper
98	100		
100	69.5	48.0	89.2
70	10.0	7.1	13.3



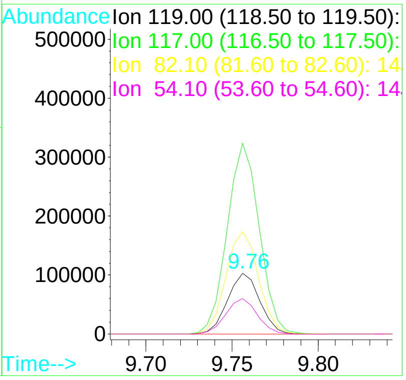


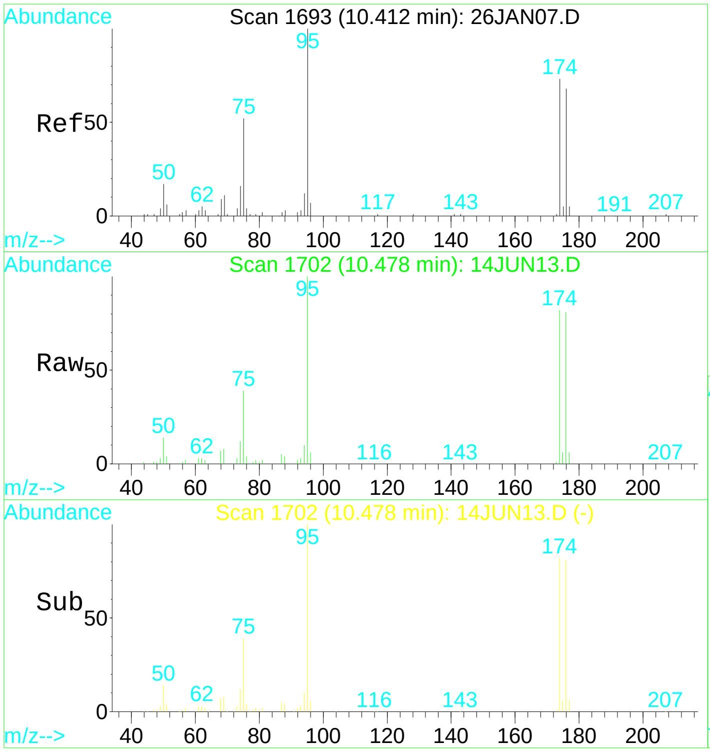
```
#34
Toluene
Concen:    0.12 ug/L
RT: 8.81 min  Scan# 1376
Delta R.T.   -0.01 min
Lab File:   14JUN13.D
Acq: 14 Jun 2022  10:06 am

Tgt Ion: 92 Resp:    5418
Ion  Ratio  Lower  Upper
 92  100
 91  181.0  106.2  197.2
 65   19.6   13.3   24.7
```



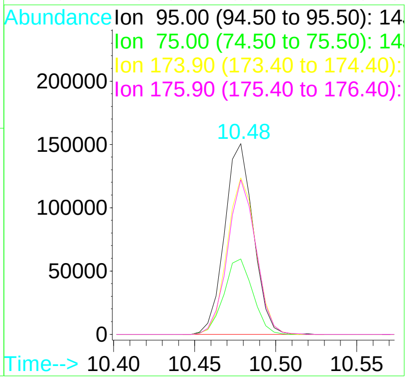


```
#41
Chlorobenzene d5 IS#3
Concen:   10.00 ug/L
RT: 9.76 min  Scan# 1561
Delta R.T.   -0.01 min
Lab File:   14JUN13.D
Acq: 14 Jun 2022  10:06 am

Tgt Ion:119 Resp:  133369
Ion  Ratio  Lower  Upper
119  100
117  313.1  214.1  397.7
 82  170.5  119.0  221.0
 54   57.1   42.1   78.1
```





```
#51
Bromofluorobenzene SMC#3
Concen:    N.D. ug/L
RT: 10.48 min  Scan# 1702
Delta R.T.   -0.01 min
Lab File:   14JUN13.D
Acq: 14 Jun 2022  10:06 am

Tgt Ion: 95 Resp:  185406
Ion  Ratio  Lower  Upper
 95  100
 75   39.8   28.3   52.5
174   82.5   61.7  114.7
176   79.9   59.2  110.0
```

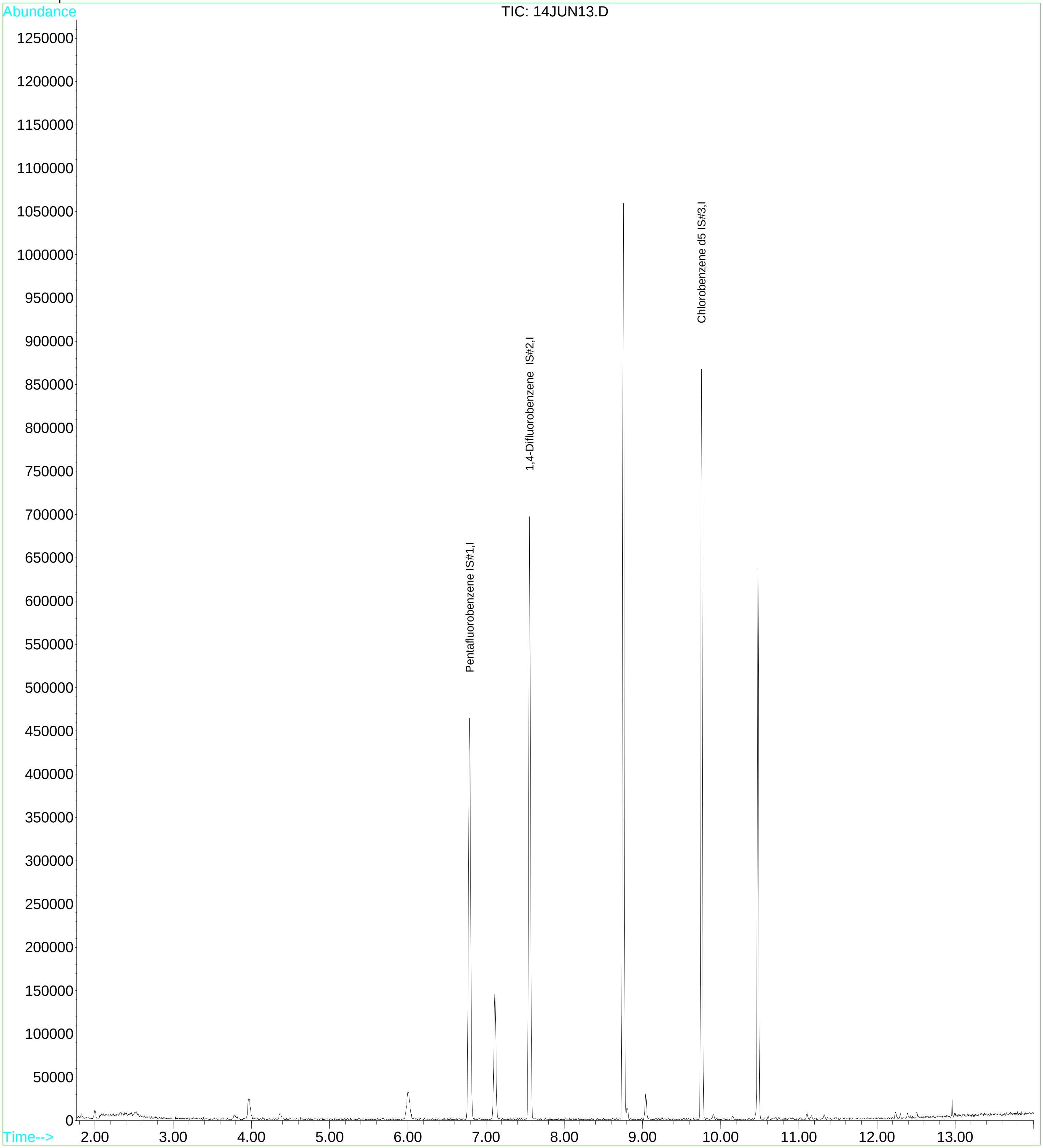


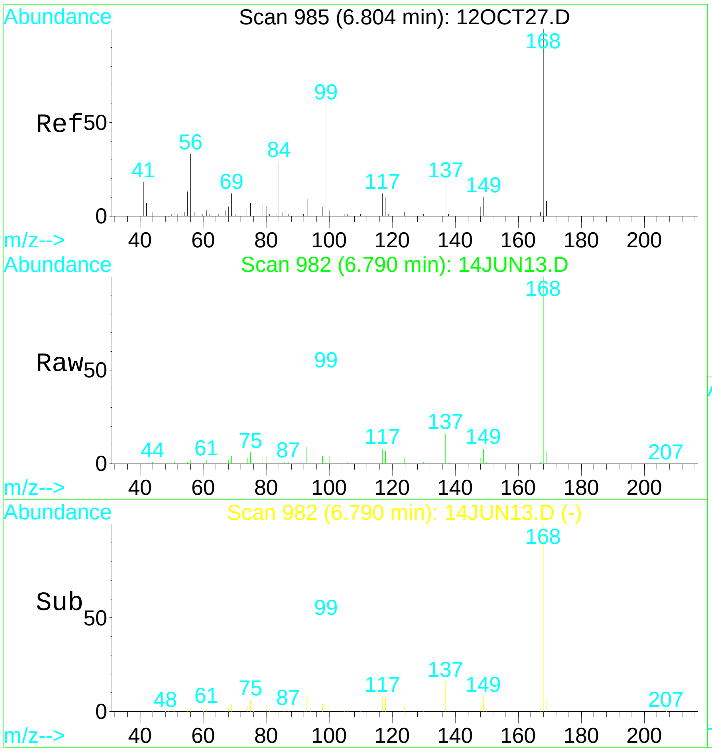
```
                              Quantitation Report    (QT Reviewed)

Data File : D:\DATA\JUN2022C\JUN14\14JUN13.D            Vial: 13
Acq On    : 14 Jun 2022  10:06 am                   Operator: MGC
Sample    : 2213551-10                              Inst    : MS-V5
Misc      : 1 ;25ML;pH=2                            Multiplr: 1.00
MS Integration Params: rteint.p
 Quant Time: Jun 15  6:23 2022             Quant Results File: 82605CX.RES

Quant Method : C:\HPCHEM\1...\82605CX.M (RTE Integrator)
Title        : EPA Method 8260C/DX
Last Update  : Tue Jun 14 08:47:02 2022
Response via : Initial Calibration
DataAcq Meth : 82605

 Internal Standards                 R.T. QIon  Response  Conc Units Dev(Min)
 ------------------------------------------------------------------------
   1) Pentafluorobenzene IS#1      6.79  137     53267    10.00 ug/L   -0.02
  29) 1,4-Difluorobenzene  IS#2    7.56   63    103305    10.00 ug/L   -0.01
  36) Chlorobenzene d5 IS#3        9.76  119    133369    10.00 ug/L   -0.01

 Target Compounds                                                    Qvalue
```

```
 ------------------------------------------------------------------------
 (#) = qualifier out of range (m) = manual integration
```

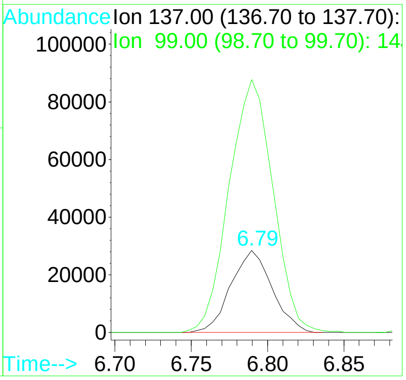
Quantitation Report

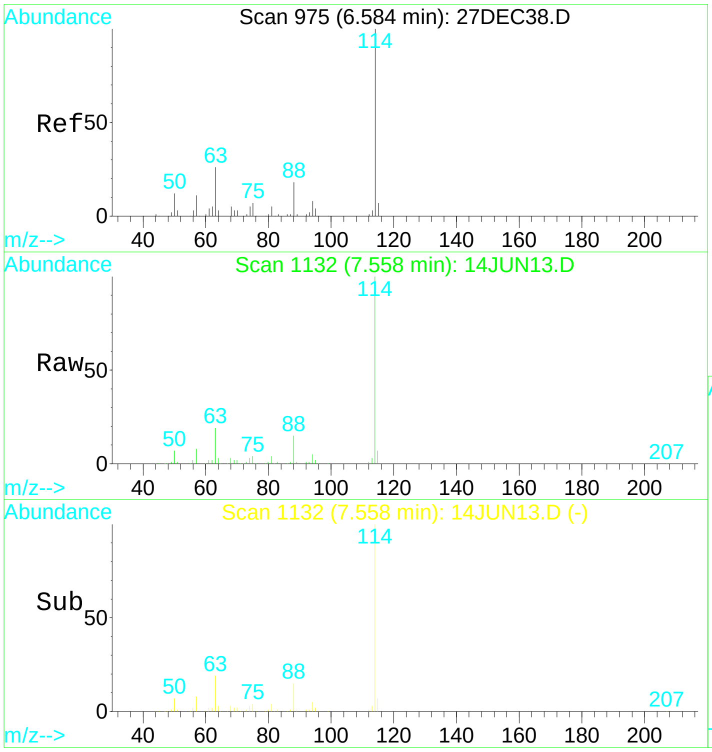
```
Data File : D:\DATA\JUN2022C\JUN14\14JUN13.D           Vial: 13
Acq On    : 14 Jun 2022  10:06 am                   Operator: MGC
Sample    : 2213551-10                              Inst    : MS-V5
Misc      : 1 ;25ML;pH=2                            Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jun 15  6:23 2022           Quant Results File: 82605CX.RES

Method       : C:\HPCHEM\1\METHODS\C\202206\10-1632\82605CX.M (RTE Integrator)
Title        : EPA Method 8260C/DX
Last Update  : Tue Jun 14 08:47:02 2022
Response via : Initial Calibration
```



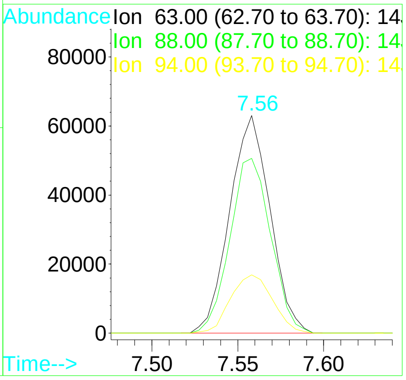


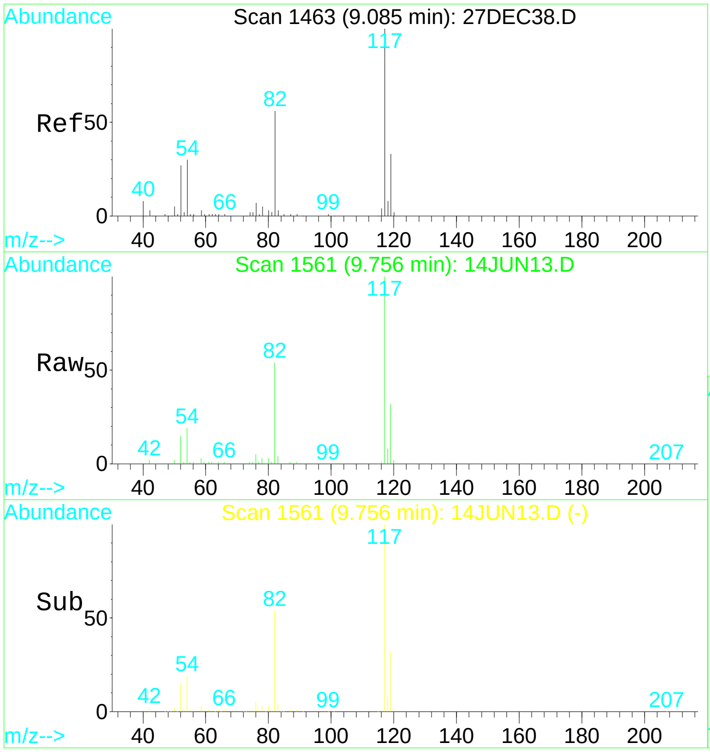
```
#1
Pentafluorobenzene IS#1
Concen:   10.00 ug/L
RT: 6.79 min  Scan# 982
Delta R.T.   -0.02 min
Lab File:   14JUN13.D
Acq: 14 Jun 2022  10:06 am

Tgt Ion:137 Resp:   53267
Ion  Ratio  Lower  Upper
137  100
 99  329.8  270.7  502.7
```



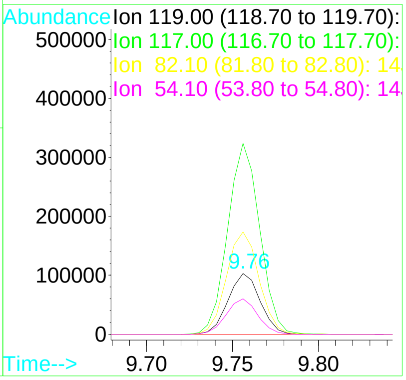


```
#29
1,4-Difluorobenzene  IS#2
Concen:   10.00 ug/L
RT: 7.56 min  Scan# 1132
Delta R.T.   -0.01 min
Lab File:   14JUN13.D
Acq: 14 Jun 2022  10:06 am

Tgt Ion: 63 Resp:  103305
Ion  Ratio  Lower  Upper
 63  100
 88   81.1   58.6  108.8
 94   27.9   20.2   37.6
```





```
#36
Chlorobenzene d5 IS#3
Concen:   10.00 ug/L
RT: 9.76 min  Scan# 1561
Delta R.T.   -0.01 min
Lab File:   14JUN13.D
Acq: 14 Jun 2022  10:06 am

Tgt Ion:119 Resp:  133369
Ion  Ratio  Lower  Upper
119  100
117  313.1  212.7  395.1
 82  170.5  118.4  220.0
 54   57.1   40.5   75.1
```



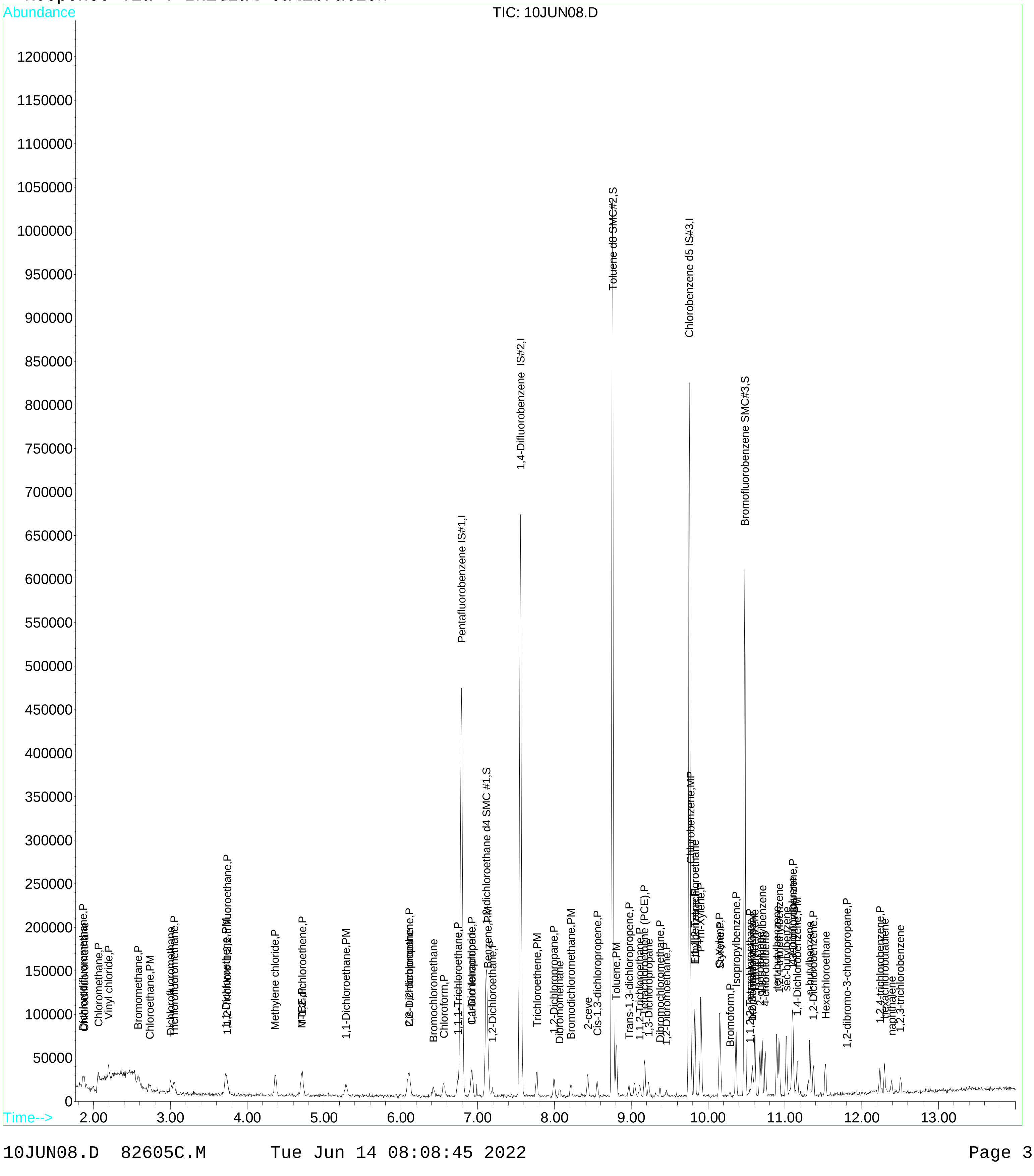
Raw Data - Calibration Standards

```
                              Quantitation Report    (QT Reviewed)

Data File : D:\DATA\JUN2022C\JUN10\10JUN08.D            Vial: 8
Acq On    : 10 Jun 2022   9:52 am                   Operator: MGC
Sample    : 2210844-CAL1                            Inst    : MS-V5
Misc      : 1 ;2F10002;25ML                         Multiplr: 1.00
MS Integration Params: rteint.p
 Quant Time: Jun 14  8:08 2022           Quant Results File: 82605C.RES

Quant Method : C:\HPCHEM\1...\82605C.M (RTE Integrator)
Title        : EPA Method  8260C/D
Last Update  : Wed Jun 01 13:16:14 2022
Response via : Initial Calibration
DataAcq Meth : 82605

 Internal Standards                R.T. QIon  Response  Conc Units Dev(Min)
-------------------------------------------------------------------------
  1) Pentafluorobenzene IS#1       6.79  137     50179    10.00 ug/L   -0.02
 26) 1,4-Difluorobenzene  IS#2     7.56   63    100959    10.00 ug/L   -0.01
 41) Chlorobenzene d5 IS#3         9.76  119    121182    10.00 ug/L   -0.01

 System Monitoring Compounds
 23) 1,2-dichloroethane d4 SMC     7.11   65     89412     8.54 ug/L   -0.01
  Spiked Amount     10.000   Range  75 - 125    Recovery   =   85.40%
 33) Toluene d8 SMC#2              8.76   98    569144    10.64 ug/L   -0.01
  Spiked Amount     10.000   Range  80 - 120    Recovery   =  106.40%
 51) Bromofluorobenzene SMC#3     10.48   95    171461     9.66 ug/L   -0.01
  Spiked Amount     10.000   Range  80 - 120    Recovery   =   96.60%

 Target Compounds                                                 Qvalue
  2) Dichlorodifluoromethane       1.86   85      8409     0.56 ug/L     100
  3) Chlorodifluoromethane         1.88   51      8057     0.65 ug/L #    81
  4) Chloromethane                 2.06   50      8304     1.15 ug/L      98
  5) Vinyl chloride                2.19   62      7273     1.19 ug/L #    76
  6) Bromomethane                  2.58   94      6228     1.18 ug/L #    78
  7) Chloroethane                  2.73   64      7134     0.87 ug/L      95
  8) Dichlorofluoromethane         3.01   67     15264     0.68 ug/L #    75
  9) Trichlorofluoromethane        3.05  101     12284     0.49 ug/L      98
 10) 1,1,2-Trichloro-1,2,2-trif    3.74  101      7121     0.57 ug/L      98
 11) 1,1-Dichloroethene            3.72   61     11967     0.55 ug/L #    80
 12) Methylene chloride            4.36   84     12249     1.16 ug/L      86
 13) MTBE                          4.70   73     13762     0.73 ug/L      87
 14) T-1,2-dichloroethene          4.72   96     10816     0.81 ug/L #    83
 15) 1,1-Dichloroethane            5.28   63     15008     0.59 ug/L      95
 16) 2,2-Dichloropropane           6.11   77     14184     0.56 ug/L #    83
 17) Cis-1,2-dichloroethene        6.10   96     10532     0.76 ug/L      81
 18) Bromochloromethane            6.43  128      3027     0.66 ug/L      96
 19) Chloroform                    6.56   83     14920     0.62 ug/L      90
 20) 1,1,1-Trichloroethane         6.74   97     13227     0.50 ug/L #    40
 21) 1,1-Dichloropropene           6.92   75     11871     0.63 ug/L      97
 22) Carbon tetrachloride          6.92  119     10348     0.51 ug/L      93
 24) 1,2-Dichloroethane            7.19   62      5400     0.43 ug/L #    92
 25) Benzene                       7.13   78     36456     0.72 ug/L #     1
 27) Trichloroethene               7.77  130      8808     0.53 ug/L      96
 28) 1,2-Dichloropropane           7.99   63      7499     0.57 ug/L      85
 29) Dibromomethane                8.07   93      2705     0.54 ug/L      95
 30) Bromodichloromethane          8.21   83      8393     0.51 ug/L      95
 31) 2-ceve                        8.43   63      8781     3.99 ug/L #    65
 32) Cis-1,3-dichloropropene       8.56   75     11023     0.61 ug/L      91
 34) Toluene                       8.80   92     21223     0.55 ug/L      77
 35) Trans-1,3-dichloropropene     8.97   75      7914     0.56 ug/L      99
 36) 1,1,2-Trichloroethane         9.11   97      4431     0.62 ug/L #    87
 37) Tetrachloroethene (PCE)       9.17  166     10024     0.55 ug/L      89
 38) 1,3-Dichloropropane           9.22   76      6270     0.53 ug/L      84
 39) Dibromochloromethane          9.38  129      4192     0.49 ug/L      95
 40) 1,2-Dibromoethane             9.46  107      3326     0.52 ug/L      87
 42) Chlorobenzene                 9.78  112     20709     0.55 ug/L      88
 43) 1,1,1,2-Tetrachloroethane     9.83  131      7305     0.58 ug/L      99
 44) Ethylbenzene                  9.83  106     12408     0.53 ug/L      68
 45) P+m-Xylene                    9.91  106     30961     1.13 ug/L      81
 46) O-Xylene                     10.15  106     14829     0.55 ug/L      92
 47) Styrene                      10.16  104     22057     0.57 ug/L      88
 48) Bromoform                    10.28  173      2027     0.70 ug/L #    80
 49) Isopropylbenzene             10.37  105     39413     0.56 ug/L      92
 50) 1,1,2,2-Tetrachloroethane    10.54   83      3707     0.62 ug/L      99
-------------------------------------------------------------------------
 (#) = qualifier out of range (m) = manual integration
```

```
                              Quantitation Report    (QT Reviewed)

Data File : D:\DATA\JUN2022C\JUN10\10JUN08.D            Vial: 8
Acq On    : 10 Jun 2022   9:52 am                   Operator: MGC
Sample    : 2210844-CAL1                            Inst    : MS-V5
Misc      : 1 ;2F10002;25ML                         Multiplr: 1.00
MS Integration Params: rteint.p
 Quant Time: Jun 14  8:08 2022             Quant Results File: 82605C.RES

Quant Method : C:\HPCHEM\1...\82605C.M (RTE Integrator)
Title        : EPA Method  8260C/D
Last Update  : Wed Jun 01 13:16:14 2022
Response via : Initial Calibration
DataAcq Meth : 82605


      Compound                        R.T. QIon  Response  Conc Unit   Qvalue
 ---------------------------------------------------------------------------
  52) 1,2,3-Trichloropropane      10.58  110      1035     0.51 ug/L #    34
  53) n-propylbenzene             10.61   91     46549     0.59 ug/L      84
  54) bromobenzene                10.58  156      7649     0.51 ug/L      93
  55) 1,3,5-trimethylbenzene      10.70  105     29656     0.51 ug/L      92
  56) 2-chlorotoluene             10.68   91     28208     0.52 ug/L      97
  57) 4-chlorotoluene             10.74   91     25493     0.53 ug/L      95
  58) tert-butylbenzene           10.89  119     28653     0.47 ug/L      95
  59) 1,2,4-trimethylbenzene      10.92  105     29332     0.52 ug/L      92
  60) sec-butylbenzene            11.02  105     42290     0.54 ug/L      88
  61) 4-isopropyltoluene          11.10  119     30675     0.50 ug/L      90
  62) 1,3-Dichlorobenzene         11.11  146     13476     0.45 ug/L      92
  63) 1,4-Dichlorobenzene         11.16  146     13708     0.46 ug/L      96
  64) n-butylbenzene              11.32   91     27773     0.54 ug/L      93
  65) 1,2-Dichlorobenzene         11.37  146     11857     0.49 ug/L      93
  66) Hexachloroethane            11.52  117      5785     0.70 ug/L      96
  67) 1,2-dibromo-3-chloropropan  11.80   75       117     0.53 ug/L #     1
  68) 1,2,4-trichlorobenzene      12.24  180      6814     0.49 ug/L      97
  69) hexachlorobutadiene         12.30  225      4693     0.37 ug/L      94
  70) naphthalene                 12.39  128      7961     0.66 ug/L     100
  71) 1,2,3-trichlorobenzene      12.51  180      5122     0.46 ug/L      91

 ---------------------------------------------------------------------------
 (#) = qualifier out of range (m) = manual integration
```

Quantitation Report

```
Data File : D:\DATA\JUN2022C\JUN10\10JUN08.D          Vial: 8
Acq On    : 10 Jun 2022   9:52 am                   Operator: MGC
Sample    : 2210844-CAL1                            Inst    : MS-V5
Misc      : 1 ;2F10002;25ML                         Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jun 14  8:08 2022           Quant Results File: 82605C.RES

Method       : C:\HPCHEM\1\METHODS\C\202206\10-1156\82605C.M (RTE Integrator)
Title        : EPA Method  8260C/D
Last Update  : Wed Jun 01 13:16:14 2022
Response via : Initial Calibration
```

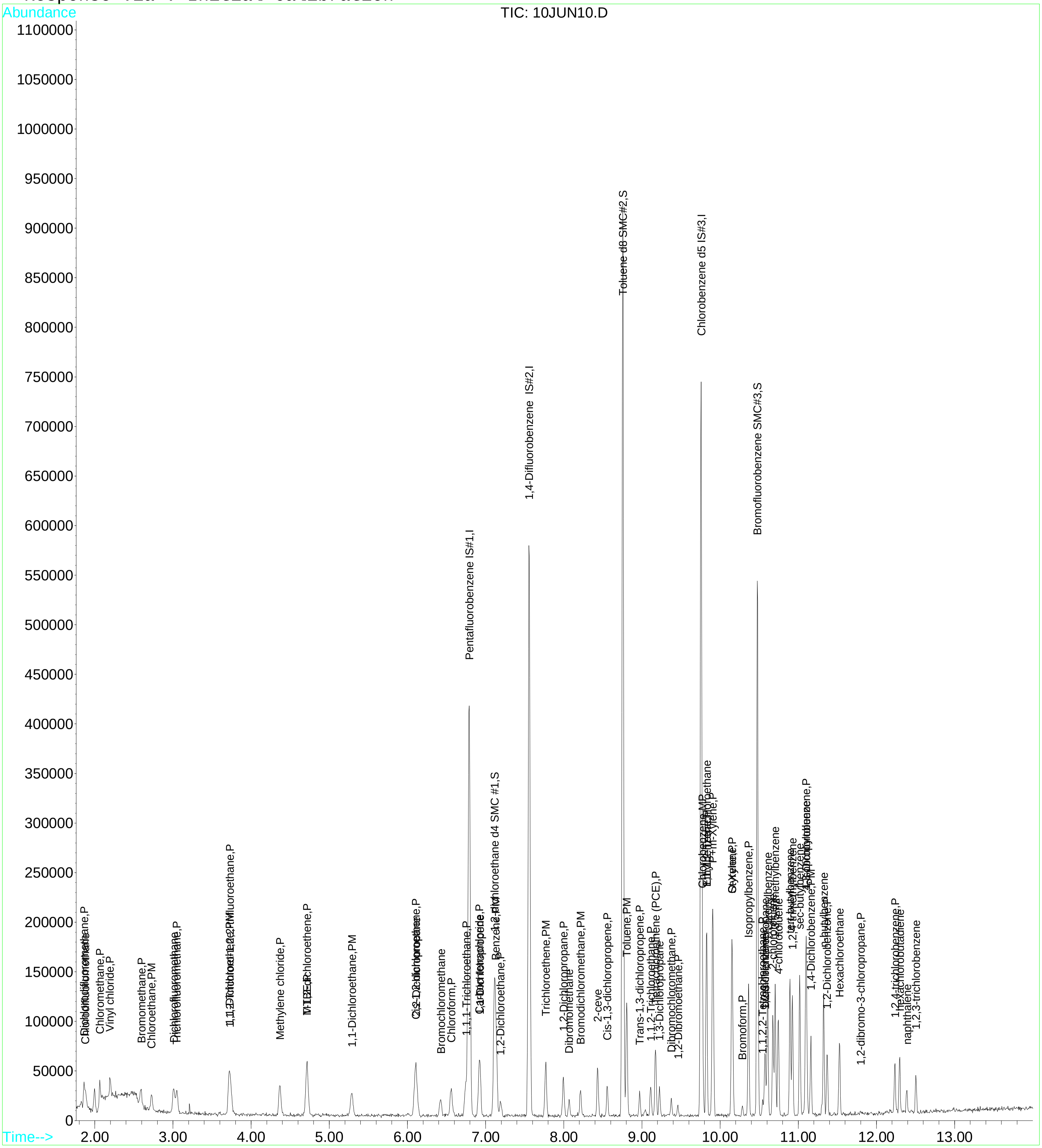


```
                              Quantitation Report    (QT Reviewed)

Data File : D:\DATA\JUN2022C\JUN10\10JUN10.D             Vial: 10
Acq On    : 10 Jun 2022  10:41 am                    Operator: MGC
Sample    : 2210844-CAL2                             Inst    : MS-V5
Misc      : 1 ;2F10003;25ML                          Multiplr: 1.00
MS Integration Params: rteint.p
 Quant Time: Jun 14  8:09 2022            Quant Results File: 82605C.RES

Quant Method : C:\HPCHEM\1...\82605C.M (RTE Integrator)
Title        : EPA Method  8260C/D
Last Update  : Wed Jun 01 13:16:14 2022
Response via : Initial Calibration
DataAcq Meth : 82605

 Internal Standards                R.T. QIon  Response  Conc Units Dev(Min)
 -------------------------------------------------------------------------
   1) Pentafluorobenzene IS#1      6.79  137    43921    10.00 ug/L   -0.02
  26) 1,4-Difluorobenzene  IS#2    7.56   63    88990    10.00 ug/L   -0.02
  41) Chlorobenzene d5 IS#3        9.76  119   110727    10.00 ug/L   -0.01

 System Monitoring Compounds
  23) 1,2-dichloroethane d4 SMC    7.11   65    78935     8.61 ug/L   -0.01
   Spiked Amount     10.000   Range  75 - 125    Recovery   =   86.10%
  33) Toluene d8 SMC#2             8.75   98   509800    10.81 ug/L   -0.02
   Spiked Amount     10.000   Range  80 - 120    Recovery   =  108.10%
  51) Bromofluorobenzene SMC#3    10.48   95   154395     9.52 ug/L   -0.02
   Spiked Amount     10.000   Range  80 - 120    Recovery   =   95.20%

 Target Compounds                                                  Qvalue
   2) Dichlorodifluoromethane      1.86   85    15117     1.15 ug/L      98
   3) Chlorodifluoromethane        1.88   51    13993     1.28 ug/L #    86
   4) Chloromethane                2.06   50    15093     2.39 ug/L      97
   5) Vinyl chloride               2.19   62    13844     2.59 ug/L      93
   6) Bromomethane                 2.59   94    10695     2.27 ug/L      92
   7) Chloroethane                 2.73   64    13810     1.92 ug/L      91
   8) Dichlorofluoromethane        3.01   67    27138     1.37 ug/L      90
   9) Trichlorofluoromethane       3.05  101    21634     0.99 ug/L     100
  10) 1,1,2-Trichloro-1,2,2-trif   3.73  101    12645     1.15 ug/L      95
  11) 1,1-Dichloroethene           3.72   61    23810     1.26 ug/L      87
  12) Methylene chloride           4.37   84    16432     1.78 ug/L      84
  13) MTBE                         4.71   73    24631     1.49 ug/L      90
  14) T-1,2-dichloroethene         4.72   96    18257     1.56 ug/L      88
  15) 1,1-Dichloroethane           5.29   63    30037     1.35 ug/L      96
  16) 2,2-Dichloropropane          6.11   77    24088     1.08 ug/L #    71
  17) Cis-1,2-dichloroethene       6.10   96    20017     1.66 ug/L      81
  18) Bromochloromethane           6.42  128     5560     1.38 ug/L      89
  19) Chloroform                   6.56   83    26607     1.26 ug/L      90
  20) 1,1,1-Trichloroethane        6.75   97    25552     1.10 ug/L #    41
  21) 1,1-Dichloropropene          6.93   75    21449     1.29 ug/L      96
  22) Carbon tetrachloride         6.92  119    18344     1.03 ug/L      98
  24) 1,2-Dichloroethane           7.19   62    10215     0.92 ug/L      96
  25) Benzene                      7.14   78    69200     1.57 ug/L #    59
  27) Trichloroethene              7.77  130    16896     1.15 ug/L      98
  28) 1,2-Dichloropropane          8.00   63    16054     1.39 ug/L #    81
  29) Dibromomethane               8.07   93     4947     1.12 ug/L      98
  30) Bromodichloromethane         8.22   83    15443     1.06 ug/L      98
  31) 2-ceve                       8.44   63    16867    14.09 ug/L      96
  32) Cis-1,3-dichloropropene      8.56   75    19980     1.25 ug/L #    91
  34) Toluene                      8.81   92    43720     1.28 ug/L      89
  35) Trans-1,3-dichloropropene    8.97   75    14105     1.13 ug/L      97
  36) 1,1,2-Trichloroethane        9.11   97     8175     1.29 ug/L      91
  37) Tetrachloroethene (PCE)      9.17  166    17435     1.08 ug/L      92
  38) 1,3-Dichloropropane          9.23   76    12777     1.22 ug/L      98
  39) Dibromochloromethane         9.37  129     8570     1.14 ug/L #    94
  40) 1,2-Dibromoethane            9.46  107     6253     1.10 ug/L      97
  42) Chlorobenzene                9.78  112    40446     1.18 ug/L      98
  43) 1,1,1,2-Tetrachloroethane    9.83  131    13210     1.15 ug/L     100
  44) Ethylbenzene                 9.83  106    25332     1.19 ug/L      80
  45) P+m-Xylene                   9.91  106    60254     2.40 ug/L      88
  46) O-Xylene                    10.15  106    28221     1.14 ug/L      92
  47) Styrene                     10.16  104    41536     1.18 ug/L      88
  48) Bromoform                   10.29  173     3706     1.30 ug/L      98
  49) Isopropylbenzene            10.36  105    72684     1.12 ug/L      91
  50) 1,1,2,2-Tetrachloroethane   10.54   83     7228     1.32 ug/L      96
 -------------------------------------------------------------------------
 (#) = qualifier out of range (m) = manual integration
 10JUN10.D  82605C.M      Tue Jun 14 08:10:22 2022                                Page 1
```

```
                              Quantitation Report    (QT Reviewed)

Data File : D:\DATA\JUN2022C\JUN10\10JUN10.D            Vial: 10
Acq On    : 10 Jun 2022  10:41 am                   Operator: MGC
Sample    : 2210844-CAL2                            Inst    : MS-V5
Misc      : 1 ;2F10003;25ML                         Multiplr: 1.00
MS Integration Params: rteint.p
 Quant Time: Jun 14  8:09 2022             Quant Results File: 82605C.RES

Quant Method : C:\HPCHEM\1...\82605C.M (RTE Integrator)
Title        : EPA Method  8260C/D
Last Update  : Wed Jun 01 13:16:14 2022
Response via : Initial Calibration
DataAcq Meth : 82605


      Compound                         R.T. QIon  Response  Conc Unit   Qvalue
 -------------------------------------------------------------------------
  52) 1,2,3-Trichloropropane      10.58  110      1437     0.77 ug/L #    68
  53) n-propylbenzene             10.61   91     88953     1.22 ug/L      85
  54) bromobenzene                10.58  156     14591     1.07 ug/L      98
  55) 1,3,5-trimethylbenzene      10.71  105     58488     1.10 ug/L      93
  56) 2-chlorotoluene             10.68   91     54844     1.10 ug/L      98
  57) 4-chlorotoluene             10.75   91     47292     1.07 ug/L      97
  58) tert-butylbenzene           10.90  119     58323     1.05 ug/L      89
  59) 1,2,4-trimethylbenzene      10.93  105     54864     1.07 ug/L      94
  60) sec-butylbenzene            11.02  105     76800     1.08 ug/L      89
  61) 4-isopropyltoluene          11.10  119     58036     1.03 ug/L      89
  62) 1,3-Dichlorobenzene         11.11  146     28096     1.02 ug/L      91
  63) 1,4-Dichlorobenzene         11.16  146     27415     1.01 ug/L      92
  64) n-butylbenzene              11.33   91     54614     1.15 ug/L      90
  65) 1,2-Dichlorobenzene         11.37  146     22127     1.00 ug/L      93
  66) Hexachloroethane            11.53  117     11676     1.40 ug/L      94
  67) 1,2-dibromo-3-chloropropan  11.79   75       791     1.27 ug/L      92
  68) 1,2,4-trichlorobenzene      12.24  180     13488     1.05 ug/L      95
  69) hexachlorobutadiene         12.30  225     10146     0.88 ug/L      96
  70) naphthalene                 12.39  128     16108     1.44 ug/L     100
  71) 1,2,3-trichlorobenzene      12.50  180     10702     1.05 ug/L      92

 -------------------------------------------------------------------------
 (#) = qualifier out of range (m) = manual integration
 10JUN10.D  82605C.M      Tue Jun 14 08:10:23 2022                             Page 2
```

Quantitation Report

```
Data File : D:\DATA\JUN2022C\JUN10\10JUN10.D           Vial: 10
Acq On    : 10 Jun 2022  10:41 am                     Operator: MGC
Sample    : 2210844-CAL2                              Inst    : MS-V5
Misc      : 1 ;2F10003;25ML                           Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jun 14  8:09 2022           Quant Results File: 82605C.RES

Method       : C:\HPCHEM\1\METHODS\C\202206\10-1156\82605C.M (RTE Integrator)
Title        : EPA Method  8260C/D
Last Update  : Wed Jun 01 13:16:14 2022
Response via : Initial Calibration
```

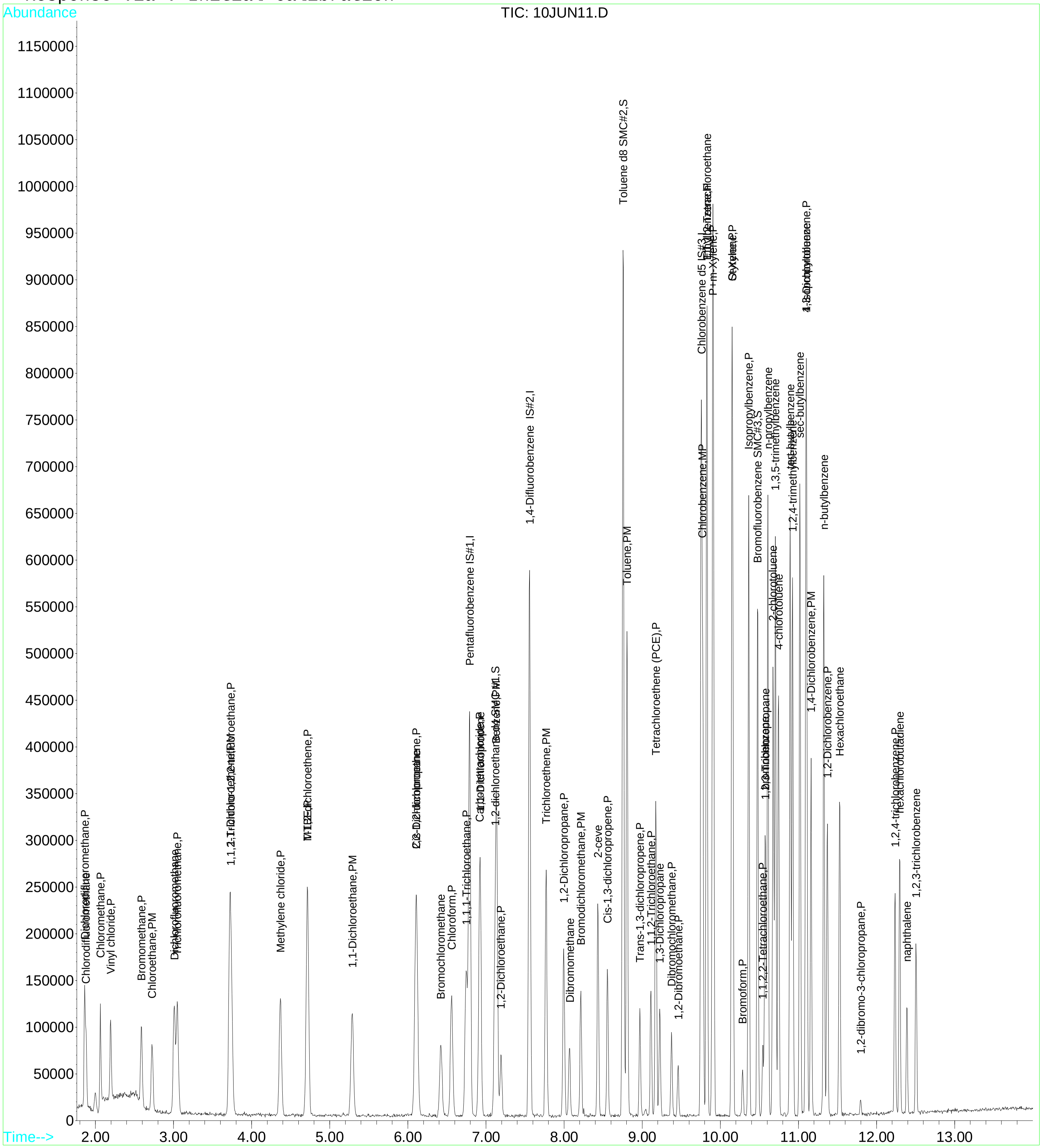


```
                         Quantitation Report    (QT Reviewed)

Data File : D:\DATA\JUN2022C\JUN10\10JUN11.D            Vial: 11
Acq On    : 10 Jun 2022  11:06 am                   Operator: MGC
Sample    : 2210844-CAL3                            Inst    : MS-V5
Misc      : 1 ;2F10004;25ML                         Multiplr: 1.00
MS Integration Params: rteint.p
 Quant Time: Jun 14  8:10 2022           Quant Results File: 82605C.RES

Quant Method : C:\HPCHEM\1...\82605C.M (RTE Integrator)
Title        : EPA Method  8260C/D
Last Update  : Wed Jun 01 13:16:14 2022
Response via : Initial Calibration
DataAcq Meth : 82605

 Internal Standards                R.T. QIon  Response  Conc Units Dev(Min)
-------------------------------------------------------------------------
  1) Pentafluorobenzene IS#1      6.79  137    46673    10.00 ug/L   -0.02
 26) 1,4-Difluorobenzene  IS#2    7.56   63    90750    10.00 ug/L   -0.02
 41) Chlorobenzene d5 IS#3        9.76  119   113250    10.00 ug/L   -0.01

 System Monitoring Compounds
 23) 1,2-dichloroethane d4 SMC    7.11   65    80956     8.31 ug/L   -0.01
   Spiked Amount     10.000   Range  75 - 125    Recovery   =   83.10%
 33) Toluene d8 SMC#2             8.75   98   526557    10.95 ug/L   -0.02
   Spiked Amount     10.000   Range  80 - 120    Recovery   =  109.50%
 51) Bromofluorobenzene SMC#3    10.48   95   158898     9.58 ug/L   -0.02
   Spiked Amount     10.000   Range  80 - 120    Recovery   =   95.80%

 Target Compounds                                                 Qvalue
  2) Dichlorodifluoromethane      1.86   85    81601     5.86 ug/L      98
  3) Chlorodifluoromethane        1.88   51    64692     5.59 ug/L      97
  4) Chloromethane                2.06   50    67714    10.08 ug/L      96
  5) Vinyl chloride               2.20   62    64802    11.39 ug/L      98
  6) Bromomethane                 2.59   94    53538    10.03 ug/L #    97
  7) Chloroethane                 2.72   64    62644     8.18 ug/L      98
  8) Dichlorofluoromethane        3.01   67   124270     5.92 ug/L      98
  9) Trichlorofluoromethane       3.05  101   110414     4.75 ug/L      99
 10) 1,1,2-Trichloro-1,2,2-trif   3.74  101    73216     6.28 ug/L      98
 11) 1,1-Dichloroethene           3.72   61   112048     5.58 ug/L      86
 12) Methylene chloride           4.37   84    70298     7.16 ug/L      84
 13) MTBE                         4.71   73   104344     5.95 ug/L      97
 14) T-1,2-dichloroethene         4.71   96    84886     6.83 ug/L      88
 15) 1,1-Dichloroethane           5.29   63   141969     6.00 ug/L      98
 16) 2,2-Dichloropropane          6.11   77   113653     4.80 ug/L #    76
 17) Cis-1,2-dichloroethene       6.11   96    86420     6.73 ug/L      86
 18) Bromochloromethane           6.42  128    27513     6.43 ug/L      89
 19) Chloroform                   6.56   83   121864     5.42 ug/L      96
 20) 1,1,1-Trichloroethane        6.75   97   117110     4.75 ug/L      85
 21) 1,1-Dichloropropene          6.93   75   104283     5.91 ug/L      97
 22) Carbon tetrachloride         6.91  119    87028     4.60 ug/L      98
 24) 1,2-Dichloroethane           7.19   62    49383     4.19 ug/L      94
 25) Benzene                      7.14   78   318652     6.81 ug/L      95
 27) Trichloroethene              7.77  130    82709     5.54 ug/L      98
 28) 1,2-Dichloropropane          8.00   63    73307     6.23 ug/L #    80
 29) Dibromomethane               8.07   93    23865     5.31 ug/L      95
 30) Bromodichloromethane         8.22   83    76101     5.10 ug/L      96
 31) 2-ceve                       8.43   63    81622    84.01 ug/L      96
 32) Cis-1,3-dichloropropene      8.55   75    96786     5.95 ug/L      95
 34) Toluene                      8.81   92   200961     5.77 ug/L      88
 35) Trans-1,3-dichloropropene    8.97   75    65268     5.14 ug/L      93
 36) 1,1,2-Trichloroethane        9.11   97    37593     5.81 ug/L      92
 37) Tetrachloroethene (PCE)      9.17  166    90244     5.49 ug/L #    89
 38) 1,3-Dichloropropane          9.23   76    59305     5.56 ug/L      97
 39) Dibromochloromethane         9.37  129    41003     5.34 ug/L      97
 40) 1,2-Dibromoethane            9.46  107    30933     5.35 ug/L      99
 42) Chlorobenzene                9.77  112   190721     5.43 ug/L      95
 43) 1,1,1,2-Tetrachloroethane    9.83  131    61024     5.20 ug/L      95
 44) Ethylbenzene                 9.82  106   120009     5.51 ug/L      83
 45) P+m-Xylene                   9.91  106   275490    10.73 ug/L      86
 46) O-Xylene                    10.15  106   132754     5.26 ug/L      91
 47) Styrene                     10.16  104   202313     5.63 ug/L      87
 48) Bromoform                   10.29  173    18760     5.84 ug/L      94
 49) Isopropylbenzene            10.36  105   346463     5.24 ug/L      92
 50) 1,1,2,2-Tetrachloroethane   10.54   83    33989     6.07 ug/L      91
-------------------------------------------------------------------------
 (#) = qualifier out of range (m) = manual integration
 10JUN11.D  82605C.M      Tue Jun 14 08:11:12 2022                              Page 1
```

```
                              Quantitation Report    (QT Reviewed)

Data File : D:\DATA\JUN2022C\JUN10\10JUN11.D            Vial: 11
Acq On    : 10 Jun 2022  11:06 am                   Operator: MGC
Sample    : 2210844-CAL3                            Inst    : MS-V5
Misc      : 1 ;2F10004;25ML                         Multiplr: 1.00
MS Integration Params: rteint.p
 Quant Time: Jun 14  8:10 2022              Quant Results File: 82605C.RES

Quant Method : C:\HPCHEM\1...\82605C.M (RTE Integrator)
Title        : EPA Method  8260C/D
Last Update  : Wed Jun 01 13:16:14 2022
Response via : Initial Calibration
DataAcq Meth : 82605


      Compound                         R.T. QIon  Response  Conc Unit   Qvalue
 -------------------------------------------------------------------------
  52) 1,2,3-Trichloropropane      10.58  110      9126     4.79 ug/L      93
  53) n-propylbenzene             10.61   91    409943     5.52 ug/L      87
  54) bromobenzene                10.57  156     68504     4.90 ug/L      97
  55) 1,3,5-trimethylbenzene      10.71  105    273057     5.03 ug/L      96
  56) 2-chlorotoluene             10.68   91    256821     5.03 ug/L      99
  57) 4-chlorotoluene             10.75   91    224458     4.95 ug/L      97
  58) tert-butylbenzene           10.90  119    279113     4.89 ug/L      89
  59) 1,2,4-trimethylbenzene      10.93  105    261165     4.98 ug/L      94
  60) sec-butylbenzene            11.02  105    383697     5.27 ug/L      89
  61) 4-isopropyltoluene          11.10  119    278528     4.81 ug/L      91
  62) 1,3-Dichlorobenzene         11.11  146    130593     4.66 ug/L      91
  63) 1,4-Dichlorobenzene         11.16  146    129467     4.68 ug/L      90
  64) n-butylbenzene              11.33   91    252809     5.21 ug/L      94
  65) 1,2-Dichlorobenzene         11.37  146    111240     4.91 ug/L      92
  66) Hexachloroethane            11.53  117     55718     6.01 ug/L      92
  67) 1,2-dibromo-3-chloropropan  11.80   75      4151     4.81 ug/L      92
  68) 1,2,4-trichlorobenzene      12.24  180     63303     4.82 ug/L      98
  69) hexachlorobutadiene         12.30  225     50720     4.28 ug/L      95
  70) naphthalene                 12.39  128     77089     6.36 ug/L     100
  71) 1,2,3-trichlorobenzene      12.50  180     51257     4.90 ug/L      99


 -------------------------------------------------------------------------
 (#) = qualifier out of range (m) = manual integration
 10JUN11.D  82605C.M      Tue Jun 14 08:11:12 2022                              Page 2
```

Quantitation Report

```
Data File : D:\DATA\JUN2022C\JUN10\10JUN11.D          Vial: 11
Acq On    : 10 Jun 2022  11:06 am                   Operator: MGC
Sample    : 2210844-CAL3                            Inst    : MS-V5
Misc      : 1 ;2F10004;25ML                         Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jun 14  8:10 2022           Quant Results File: 82605C.RES

Method       : C:\HPCHEM\1\METHODS\C\202206\10-1156\82605C.M (RTE Integrator)
Title        : EPA Method  8260C/D
Last Update  : Wed Jun 01 13:16:14 2022
Response via : Initial Calibration
```

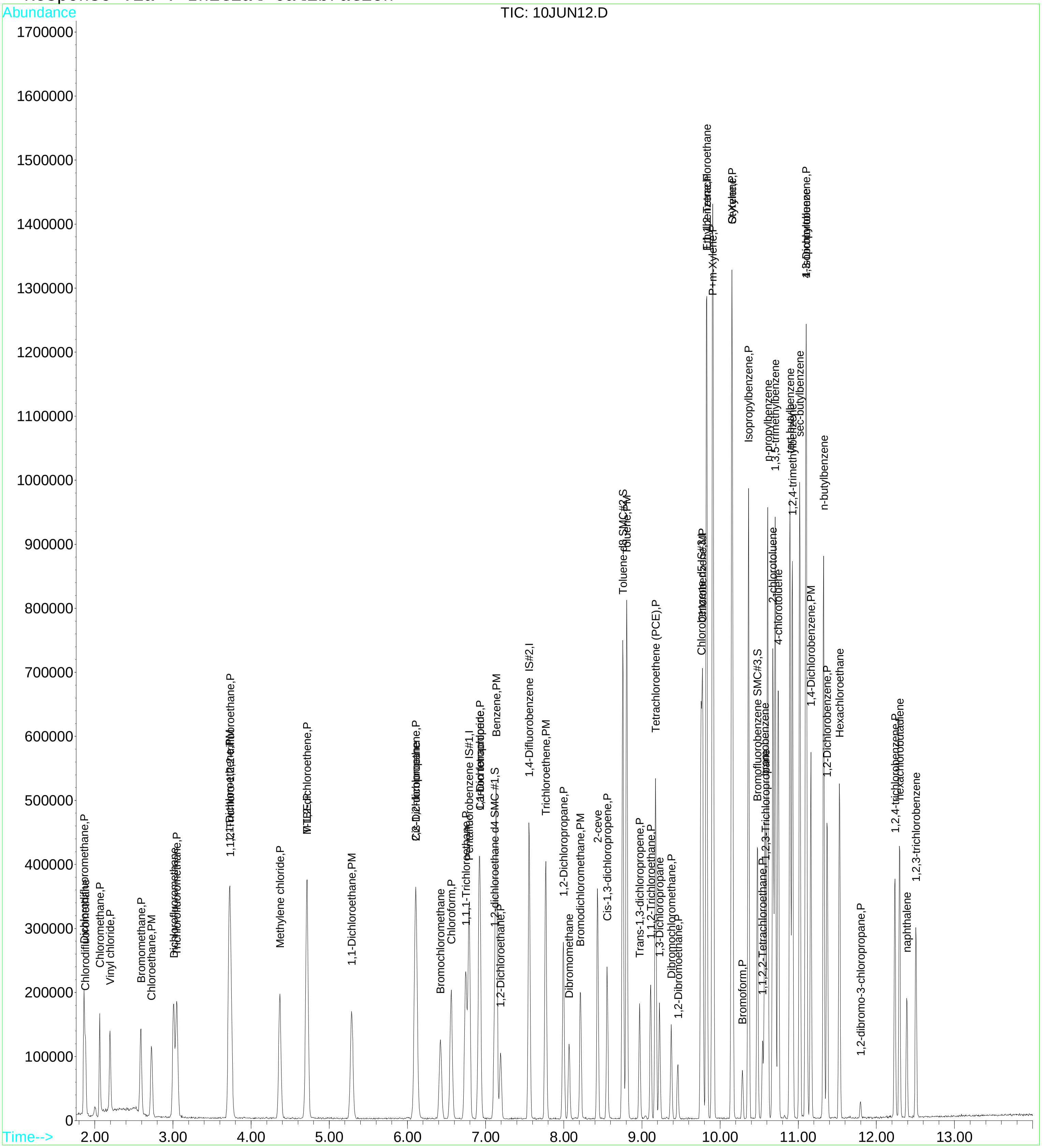


```
                             Quantitation Report    (QT Reviewed)

Data File : D:\DATA\JUN2022C\JUN10\10JUN12.D             Vial: 12
Acq On    : 10 Jun 2022  11:31 am                    Operator: MGC
Sample    : 2210844-CAL4                             Inst    : MS-V5
Misc      : 1 ;2F10005;25ML                          Multiplr: 1.00
MS Integration Params: rteint.p
 Quant Time: Jun 14  8:11 2022            Quant Results File: 82605C.RES

Quant Method : C:\HPCHEM\1...\82605C.M (RTE Integrator)
Title        : EPA Method  8260C/D
Last Update  : Wed Jun 01 13:16:14 2022
Response via : Initial Calibration
DataAcq Meth : 82605

 Internal Standards                R.T. QIon  Response  Conc Units Dev(Min)
-----------------------------------------------------------------------------
   1) Pentafluorobenzene IS#1      6.79  137    36914    10.00 ug/L   -0.02
  26) 1,4-Difluorobenzene  IS#2    7.56   63    70794    10.00 ug/L   -0.01
  41) Chlorobenzene d5 IS#3        9.76  119    89694    10.00 ug/L    0.00

 System Monitoring Compounds
  23) 1,2-dichloroethane d4 SMC    7.11   65    60943     7.91 ug/L   -0.01
   Spiked Amount     10.000   Range  75 - 125    Recovery   =   79.10%
  33) Toluene d8 SMC#2             8.75   98   415103    11.07 ug/L   -0.01
   Spiked Amount     10.000   Range  80 - 120    Recovery   =  110.70%
  51) Bromofluorobenzene SMC#3    10.48   95   126275     9.61 ug/L   -0.01
   Spiked Amount     10.000   Range  80 - 120    Recovery   =   96.10%

 Target Compounds                                                  Qvalue
   2) Dichlorodifluoromethane      1.86   85   125457    11.40 ug/L      98
   3) Chlorodifluoromethane        1.88   51    96458    10.54 ug/L      94
   4) Chloromethane                2.06   50   102880    19.36 ug/L      98
   5) Vinyl chloride               2.20   62    97854    21.75 ug/L      97
   6) Bromomethane                 2.59   94    84816    18.86 ug/L #    96
   7) Chloroethane                 2.72   64    96046    15.86 ug/L      98
   8) Dichlorofluoromethane        3.01   67   190618    11.48 ug/L #    99
   9) Trichlorofluoromethane       3.05  101   170251     9.25 ug/L      99
  10) 1,1,2-Trichloro-1,2,2-trif   3.74  101   112333    12.18 ug/L      99
  11) 1,1-Dichloroethene           3.72   61   173190    10.91 ug/L      87
  12) Methylene chloride           4.37   84   106195    13.68 ug/L      83
  13) MTBE                         4.71   73   161601    11.64 ug/L      98
  14) T-1,2-dichloroethene         4.72   96   127938    13.02 ug/L      90
  15) 1,1-Dichloroethane           5.29   63   214667    11.48 ug/L      98
  16) 2,2-Dichloropropane          6.11   77   171546     9.16 ug/L #    75
  17) Cis-1,2-dichloroethene       6.11   96   131156    12.91 ug/L      86
  18) Bromochloromethane           6.42  128    42564    12.59 ug/L      92
  19) Chloroform                   6.56   83   185273    10.42 ug/L      96
  20) 1,1,1-Trichloroethane        6.75   97   178192     9.15 ug/L      88
  21) 1,1-Dichloropropene          6.93   75   157908    11.32 ug/L      97
  22) Carbon tetrachloride         6.92  119   134508     8.99 ug/L      99
  24) 1,2-Dichloroethane           7.19   62    77649     8.32 ug/L      97
  25) Benzene                      7.14   78   479142    12.95 ug/L      96
  27) Trichloroethene              7.77  130   126889    10.89 ug/L      99
  28) 1,2-Dichloropropane          8.00   63   110167    12.00 ug/L #    82
  29) Dibromomethane               8.07   93    36625    10.44 ug/L      95
  30) Bromodichloromethane         8.22   83   117753    10.11 ug/L      95
  31) 2-ceve                       8.43   63   128559   174.29 ug/L      96
  32) Cis-1,3-dichloropropene      8.55   75   147809    11.65 ug/L      94
  34) Toluene                      8.81   92   310448    11.43 ug/L      91
  35) Trans-1,3-dichloropropene    8.97   75   102396    10.33 ug/L      93
  36) 1,1,2-Trichloroethane        9.11   97    57899    11.47 ug/L      91
  37) Tetrachloroethene (PCE)      9.17  166   139276    10.85 ug/L #    88
  38) 1,3-Dichloropropane          9.23   76    95042    11.42 ug/L      98
  39) Dibromochloromethane         9.37  129    64862    10.84 ug/L #    98
  40) 1,2-Dibromoethane            9.46  107    49321    10.94 ug/L     100
  42) Chlorobenzene                9.77  112   296669    10.66 ug/L      93
  43) 1,1,1,2-Tetrachloroethane    9.83  131    94259    10.15 ug/L      99
  44) Ethylbenzene                 9.83  106   182015    10.56 ug/L      85
  45) P+m-Xylene                   9.91  106   423561    20.83 ug/L      89
  46) O-Xylene                    10.15  106   205455    10.29 ug/L      93
  47) Styrene                     10.16  104   310067    10.89 ug/L      87
  48) Bromoform                   10.29  173    29159    10.92 ug/L      98
  49) Isopropylbenzene            10.36  105   522023     9.96 ug/L      93
  50) 1,1,2,2-Tetrachloroethane   10.54   83    53012    11.95 ug/L      93
-----------------------------------------------------------------------------
 (#) = qualifier out of range (m) = manual integration
 10JUN12.D  82605C.M      Tue Jun 14 08:11:59 2022                                      Page 1
```

```
                              Quantitation Report    (QT Reviewed)

Data File : D:\DATA\JUN2022C\JUN10\10JUN12.D            Vial: 12
Acq On    : 10 Jun 2022  11:31 am                   Operator: MGC
Sample    : 2210844-CAL4                            Inst    : MS-V5
Misc      : 1 ;2F10005;25ML                         Multiplr: 1.00
MS Integration Params: rteint.p
 Quant Time: Jun 14  8:11 2022             Quant Results File: 82605C.RES

Quant Method : C:\HPCHEM\1...\82605C.M (RTE Integrator)
Title        : EPA Method  8260C/D
Last Update  : Wed Jun 01 13:16:14 2022
Response via : Initial Calibration
DataAcq Meth : 82605


      Compound                        R.T. QIon  Response  Conc Unit   Qvalue
 ------------------------------------------------------------------------
  52) 1,2,3-Trichloropropane      10.59  110     12969     8.59 ug/L      96
  53) n-propylbenzene             10.61   91    617110    10.49 ug/L      87
  54) bromobenzene                10.57  156    105186     9.50 ug/L      91
  55) 1,3,5-trimethylbenzene      10.71  105    412735     9.61 ug/L      96
  56) 2-chlorotoluene             10.68   91    389696     9.64 ug/L      99
  57) 4-chlorotoluene             10.74   91    341019     9.50 ug/L      97
  58) tert-butylbenzene           10.90  119    421796     9.33 ug/L      80
  59) 1,2,4-trimethylbenzene      10.93  105    393921     9.49 ug/L      96
  60) sec-butylbenzene            11.02  105    567883     9.84 ug/L      90
  61) 4-isopropyltoluene          11.10  119    421046     9.18 ug/L      91
  62) 1,3-Dichlorobenzene         11.11  146    203869     9.18 ug/L      90
  63) 1,4-Dichlorobenzene         11.16  146    199685     9.11 ug/L      90
  64) n-butylbenzene              11.33   91    389819    10.15 ug/L      94
  65) 1,2-Dichlorobenzene         11.37  146    169899     9.48 ug/L #    91
  66) Hexachloroethane            11.53  117     83814    11.00 ug/L      92
  67) 1,2-dibromo-3-chloropropan  11.79   75      6124     8.60 ug/L      89
  68) 1,2,4-trichlorobenzene      12.24  180    102020     9.82 ug/L      97
  69) hexachlorobutadiene         12.30  225     79081     8.43 ug/L      95
  70) naphthalene                 12.39  128    126915    12.46 ug/L     100
  71) 1,2,3-trichlorobenzene      12.50  180     83860    10.13 ug/L      98


 ------------------------------------------------------------------------
 (#) = qualifier out of range (m) = manual integration
 10JUN12.D  82605C.M      Tue Jun 14 08:11:59 2022
```

Quantitation Report

```
Data File : D:\DATA\JUN2022C\JUN10\10JUN12.D          Vial: 12
Acq On    : 10 Jun 2022  11:31 am                   Operator: MGC
Sample    : 2210844-CAL4                            Inst    : MS-V5
Misc      : 1 ;2F10005;25ML                         Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jun 14  8:11 2022            Quant Results File: 82605C.RES

Method       : C:\HPCHEM\1\METHODS\C\202206\10-1156\82605C.M (RTE Integrator)
Title        : EPA Method  8260C/D
Last Update  : Wed Jun 01 13:16:14 2022
Response via : Initial Calibration
```

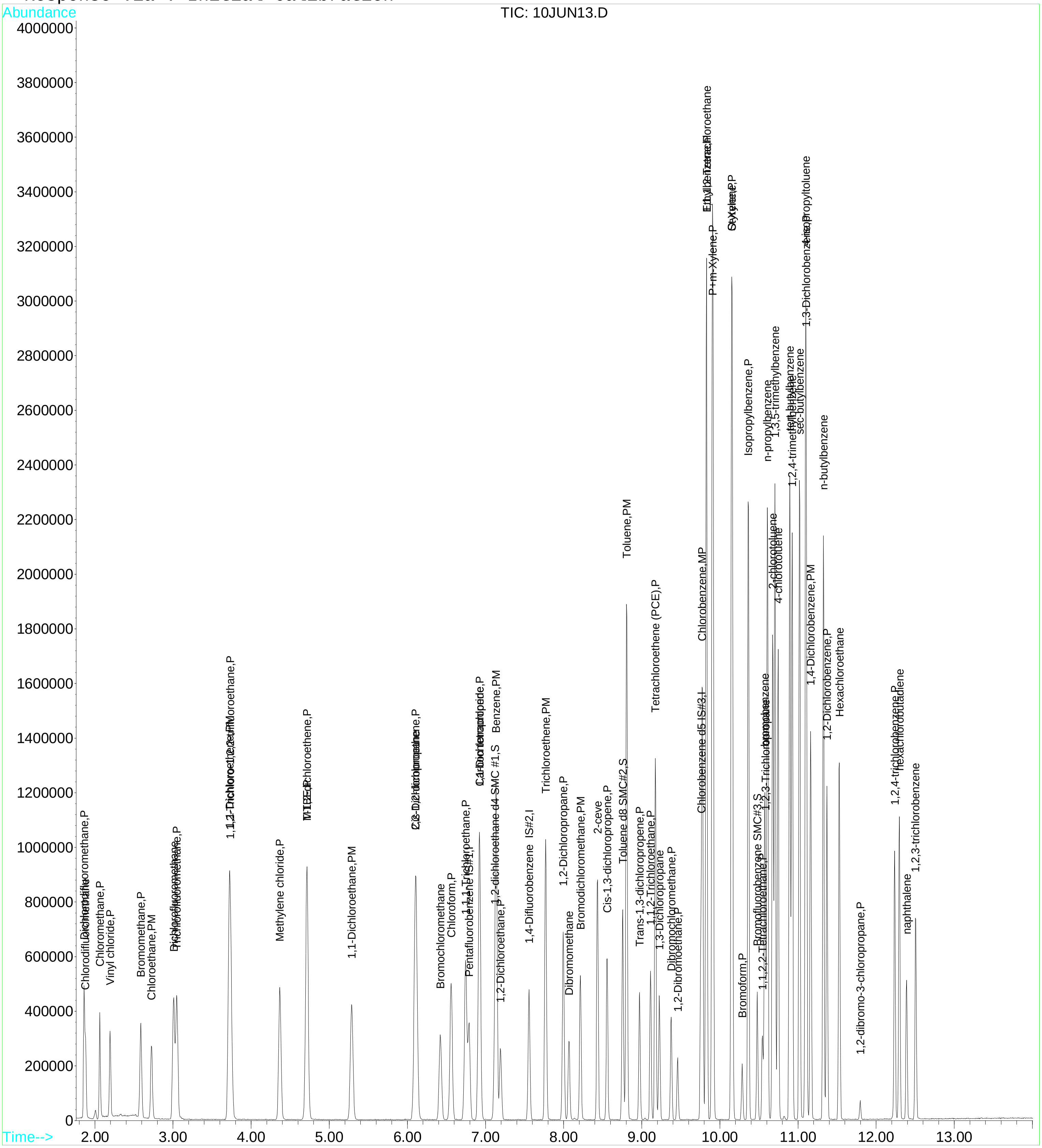


```
                              Quantitation Report    (QT Reviewed)

Data File : D:\DATA\JUN2022C\JUN10\10JUN13.D            Vial: 13
Acq On    : 10 Jun 2022  11:56 am                   Operator: MGC
Sample    : 2210844-CAL5                            Inst    : MS-V5
Misc      : 1 ;2F10006;25ML                         Multiplr: 1.00
MS Integration Params: rteint.p
 Quant Time: Jun 14  8:12 2022            Quant Results File: 82605C.RES

Quant Method : C:\HPCHEM\1...\82605C.M (RTE Integrator)
Title        : EPA Method  8260C/D
Last Update  : Wed Jun 01 13:16:14 2022
Response via : Initial Calibration
DataAcq Meth : 82605

 Internal Standards                R.T. QIon  Response  Conc Units Dev(Min)
-------------------------------------------------------------------------
   1) Pentafluorobenzene IS#1      6.79  137    38910    10.00 ug/L   -0.02
  26) 1,4-Difluorobenzene  IS#2    7.56   63    71924    10.00 ug/L   -0.01
  41) Chlorobenzene d5 IS#3        9.76  119    93847    10.00 ug/L   -0.01

 System Monitoring Compounds
  23) 1,2-dichloroethane d4 SMC    7.11   65    64554     7.95 ug/L   -0.01
   Spiked Amount     10.000   Range  75 - 125    Recovery   =   79.50%
  33) Toluene d8 SMC#2             8.76   98   428708    11.25 ug/L   -0.01
   Spiked Amount     10.000   Range  80 - 120    Recovery   =  112.50%
  51) Bromofluorobenzene SMC#3    10.48   95   132157     9.62 ug/L   -0.01
   Spiked Amount     10.000   Range  80 - 120    Recovery   =   96.20%

 Target Compounds                                                 Qvalue
   2) Dichlorodifluoromethane      1.86   85   311756    26.88 ug/L      99
   3) Chlorodifluoromethane        1.88   51   245532    25.45 ug/L #    96
   4) Chloromethane                2.06   50   264823    47.29 ug/L      97
   5) Vinyl chloride               2.19   62   245610    51.79 ug/L      95
   6) Bromomethane                 2.59   94   219076    40.27 ug/L #    97
   7) Chloroethane                 2.73   64   243102    38.08 ug/L      97
   8) Dichlorofluoromethane        3.01   67   471578    26.94 ug/L #    99
   9) Trichlorofluoromethane       3.05  101   430242    22.19 ug/L      99
  10) 1,1,2-Trichloro-1,2,2-trif   3.74  101   282483    29.05 ug/L      99
  11) 1,1-Dichloroethene           3.72   61   428491    25.62 ug/L      86
  12) Methylene chloride           4.37   84   268776    32.85 ug/L      83
  13) MTBE                         4.71   73   405440    27.71 ug/L      98
  14) T-1,2-dichloroethene         4.72   96   324322    31.30 ug/L      88
  15) 1,1-Dichloroethane           5.28   63   544867    27.64 ug/L      98
  16) 2,2-Dichloropropane          6.11   77   429148    21.75 ug/L #    76
  17) Cis-1,2-dichloroethene       6.10   96   329540    30.76 ug/L      85
  18) Bromochloromethane           6.42  128   107432    30.14 ug/L      91
  19) Chloroform                   6.56   83   476005    25.39 ug/L      95
  20) 1,1,1-Trichloroethane        6.74   97   450547    21.94 ug/L      89
  21) 1,1-Dichloropropene          6.93   75   394561    26.84 ug/L      97
  22) Carbon tetrachloride         6.92  119   338025    21.43 ug/L      99
  24) 1,2-Dichloroethane           7.19   62   199718    20.30 ug/L      97
  25) Benzene                      7.13   78  1191320    30.55 ug/L      94
  27) Trichloroethene              7.77  130   325017    27.46 ug/L      98
  28) 1,2-Dichloropropane          7.99   63   280953    30.12 ug/L #    81
  29) Dibromomethane               8.07   93    95529    26.81 ug/L      95
  30) Bromodichloromethane         8.21   83   300577    25.41 ug/L      96
  31) 2-ceve                       8.44   63   317329   429.98 ug/L      96
  32) Cis-1,3-dichloropropene      8.56   75   370793    28.78 ug/L      94
  34) Toluene                      8.80   92   761815    27.62 ug/L      93
  35) Trans-1,3-dichloropropene    8.97   75   262423    26.06 ug/L      92
  36) 1,1,2-Trichloroethane        9.11   97   147439    28.75 ug/L      92
  37) Tetrachloroethene (PCE)      9.17  166   346345    26.57 ug/L #    89
  38) 1,3-Dichloropropane          9.22   76   241663    28.58 ug/L      99
  39) Dibromochloromethane         9.38  129   170233    27.99 ug/L #    98
  40) 1,2-Dibromoethane            9.46  107   128239    28.00 ug/L      99
  42) Chlorobenzene                9.78  112   730406    25.08 ug/L      94
  43) 1,1,1,2-Tetrachloroethane    9.83  131   234493    24.13 ug/L      99
  44) Ethylbenzene                 9.83  106   448474    24.87 ug/L      93
  45) P+m-Xylene                   9.91  106  1024886    48.16 ug/L      95
  46) O-Xylene                    10.15  106   496977    23.78 ug/L      93
  47) Styrene                     10.16  104   751731    25.24 ug/L      88
  48) Bromoform                   10.28  173    81809    26.09 ug/L      97
  49) Isopropylbenzene            10.36  105  1246518    22.73 ug/L      94
  50) 1,1,2,2-Tetrachloroethane   10.55   83   134839    29.05 ug/L      95
-------------------------------------------------------------------------
 (#) = qualifier out of range (m) = manual integration
 10JUN13.D  82605C.M      Tue Jun 14 08:12:49 2022                                 Page 1
```

```
                             Quantitation Report    (QT Reviewed)

Data File : D:\DATA\JUN2022C\JUN10\10JUN13.D             Vial: 13
Acq On    : 10 Jun 2022  11:56 am                    Operator: MGC
Sample    : 2210844-CAL5                             Inst    : MS-V5
Misc      : 1 ;2F10006;25ML                          Multiplr: 1.00
MS Integration Params: rteint.p
 Quant Time: Jun 14  8:12 2022              Quant Results File: 82605C.RES

Quant Method : C:\HPCHEM\1...\82605C.M (RTE Integrator)
Title        : EPA Method  8260C/D
Last Update  : Wed Jun 01 13:16:14 2022
Response via : Initial Calibration
DataAcq Meth : 82605


      Compound                       R.T. QIon  Response  Conc Unit   Qvalue
 -------------------------------------------------------------------------
  52) 1,2,3-Trichloropropane      10.59  110    33519    21.23 ug/L      99
  53) n-propylbenzene             10.61   91  1432835    23.27 ug/L      91
  54) bromobenzene                10.58  156   268064    23.14 ug/L     100
  55) 1,3,5-trimethylbenzene      10.70  105   982501    21.86 ug/L      98
  56) 2-chlorotoluene             10.67   91   945669    22.36 ug/L      99
  57) 4-chlorotoluene             10.75   91   837610    22.29 ug/L      98
  58) tert-butylbenzene           10.89  119  1023812    21.65 ug/L      89
  59) 1,2,4-trimethylbenzene      10.93  105   948869    21.84 ug/L      98
  60) sec-butylbenzene            11.02  105  1334696    22.10 ug/L      93
  61) 4-isopropyltoluene          11.10  119   998811    20.81 ug/L      93
  62) 1,3-Dichlorobenzene         11.11  146   501395    21.57 ug/L      90
  63) 1,4-Dichlorobenzene         11.16  146   497644    21.69 ug/L      91
  64) n-butylbenzene              11.32   91   928981    23.12 ug/L      96
  65) 1,2-Dichlorobenzene         11.37  146   429352    22.89 ug/L #    92
  66) Hexachloroethane            11.52  117   217884    25.14 ug/L      92
  67) 1,2-dibromo-3-chloropropan  11.80   75    15177    19.81 ug/L      83
  68) 1,2,4-trichlorobenzene      12.24  180   265741    24.44 ug/L     100
  69) hexachlorobutadiene         12.30  225   201049    20.49 ug/L      95
  70) naphthalene                 12.39  128   329268    27.15 ug/L     100
  71) 1,2,3-trichlorobenzene      12.51  180   216052    24.95 ug/L      98

 -------------------------------------------------------------------------
 (#) = qualifier out of range (m) = manual integration
 10JUN13.D  82605C.M      Tue Jun 14 08:12:49 2022                                 Page 2
```

Quantitation Report

```
Data File : D:\DATA\JUN2022C\JUN10\10JUN13.D              Vial: 13
Acq On    : 10 Jun 2022  11:56 am                      Operator: MGC
Sample    : 2210844-CAL5                               Inst    : MS-V5
Misc      : 1 ;2F10006;25ML                            Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jun 14  8:12 2022             Quant Results File: 82605C.RES

Method       : C:\HPCHEM\1\METHODS\C\202206\10-1156\82605C.M (RTE Integrator)
Title        : EPA Method  8260C/D
Last Update  : Wed Jun 01 13:16:14 2022
Response via : Initial Calibration
```

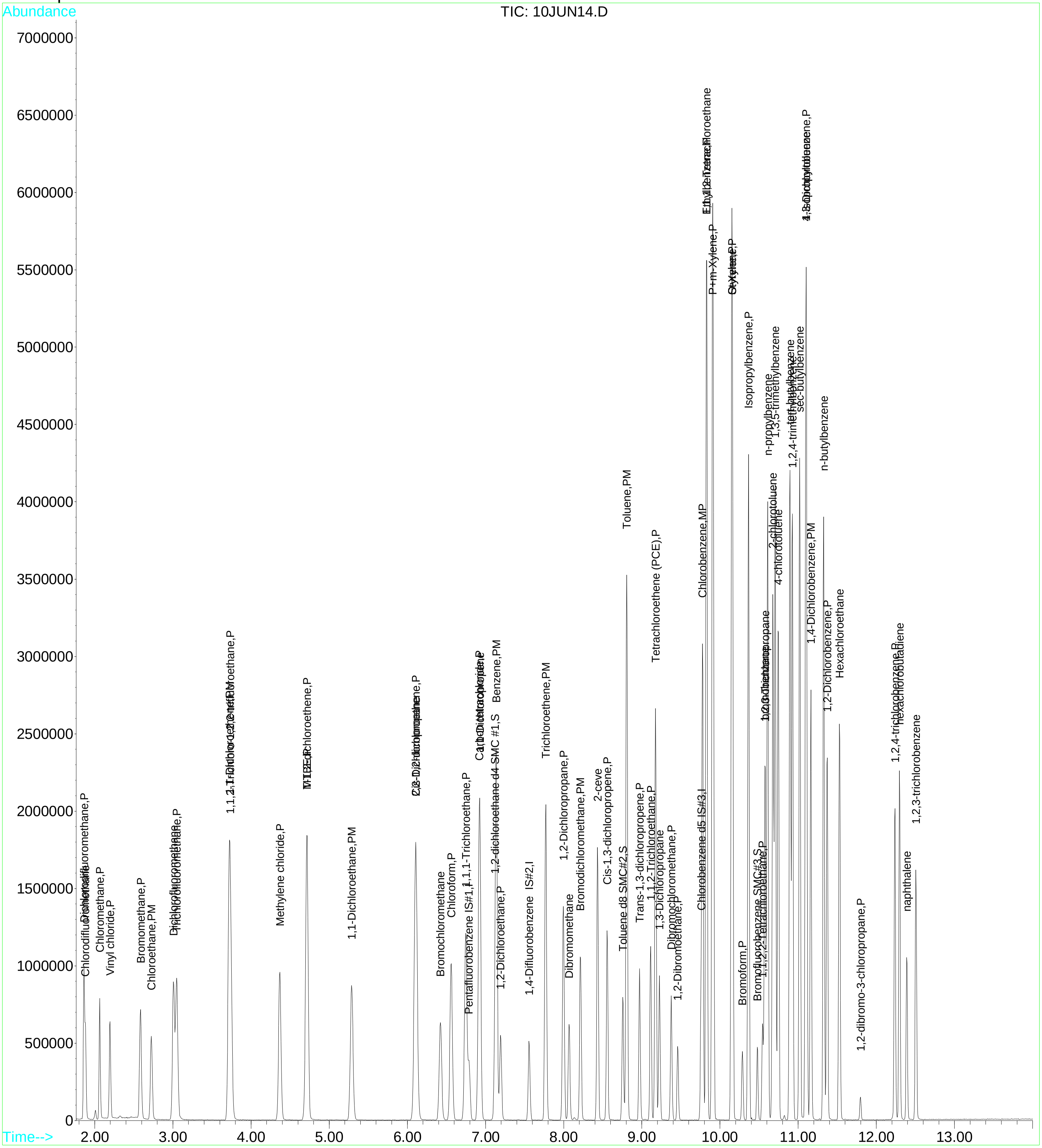


```
                            Quantitation Report    (QT Reviewed)

Data File : D:\DATA\JUN2022C\JUN10\10JUN14.D            Vial: 14
Acq On    : 10 Jun 2022  12:21 pm                   Operator: MGC
Sample    : 2210844-CAL6                            Inst    : MS-V5
Misc      : 1 ;2F10007;25ML                         Multiplr: 1.00
MS Integration Params: rteint.p
 Quant Time: Jun 14  8:13 2022           Quant Results File: 82605C.RES

Quant Method : C:\HPCHEM\1...\82605C.M (RTE Integrator)
Title        : EPA Method  8260C/D
Last Update  : Wed Jun 01 13:16:14 2022
Response via : Initial Calibration
DataAcq Meth : 82605

 Internal Standards                R.T. QIon  Response  Conc Units Dev(Min)
-------------------------------------------------------------------------
  1) Pentafluorobenzene IS#1       6.79  137    37952    10.00 ug/L   -0.02
 26) 1,4-Difluorobenzene  IS#2     7.56   63    77083    10.00 ug/L   -0.01
 41) Chlorobenzene d5 IS#3         9.75  119    97301    10.00 ug/L   -0.01

 System Monitoring Compounds
 23) 1,2-dichloroethane d4 SMC     7.12   65    64299     8.12 ug/L    0.00
  Spiked Amount     10.000   Range  75 - 125    Recovery   =   81.20%
 33) Toluene d8 SMC#2              8.75   98   449254    11.00 ug/L   -0.01
  Spiked Amount     10.000   Range  80 - 120    Recovery   =  110.00%
 51) Bromofluorobenzene SMC#3     10.48   95   136126     9.55 ug/L   -0.01
  Spiked Amount     10.000   Range  80 - 120    Recovery   =   95.50%

 Target Compounds                                                 Qvalue
  2) Dichlorodifluoromethane       1.86   85   630724    55.75 ug/L     100
  3) Chlorodifluoromethane         1.88   51   505109    53.67 ug/L #    98
  4) Chloromethane                 2.06   50   537762    98.45 ug/L      99
  5) Vinyl chloride                2.20   62   502319   108.59 ug/L      97
  6) Bromomethane                  2.59   94   461764    72.80 ug/L #    96
  7) Chloroethane                  2.72   64   493159    79.21 ug/L      98
  8) Dichlorofluoromethane         3.01   67   962621    56.37 ug/L      99
  9) Trichlorofluoromethane        3.05  101   883832    46.73 ug/L      99
 10) 1,1,2-Trichloro-1,2,2-trif    3.74  101   571327    60.24 ug/L      99
 11) 1,1-Dichloroethene            3.72   61   857707    52.57 ug/L      86
 12) Methylene chloride            4.37   84   551001    69.05 ug/L      82
 13) MTBE                          4.71   73   812522    56.93 ug/L      97
 14) T-1,2-dichloroethene          4.72   96   652386    64.56 ug/L      89
 15) 1,1-Dichloroethane            5.29   63  1106315    57.54 ug/L      99
 16) 2,2-Dichloropropane           6.11   77   876038    45.52 ug/L #    77
 17) Cis-1,2-dichloroethene        6.11   96   672420    64.36 ug/L      85
 18) Bromochloromethane            6.42  128   223397    64.25 ug/L      90
 19) Chloroform                    6.56   83   968817    52.98 ug/L      96
 20) 1,1,1-Trichloroethane         6.75   97   923804    46.12 ug/L      98
 21) 1,1-Dichloropropene           6.93   75   782317    54.55 ug/L      97
 22) Carbon tetrachloride          6.92  119   697754    45.36 ug/L      99
 24) 1,2-Dichloroethane            7.19   62   407588    42.48 ug/L      96
 25) Benzene                       7.14   78  2302685    60.53 ug/L      94
 27) Trichloroethene               7.77  130   654059    51.56 ug/L      99
 28) 1,2-Dichloropropane           8.00   63   567100    56.74 ug/L #    82
 29) Dibromomethane                8.07   93   198416    51.96 ug/L      94
 30) Bromodichloromethane          8.21   83   626439    49.41 ug/L      97
 31) 2-ceve                        8.43   63   644679   819.17 ug/L      95
 32) Cis-1,3-dichloropropene       8.55   75   762445    55.21 ug/L      94
 34) Toluene                       8.81   92  1482741    50.16 ug/L      98
 35) Trans-1,3-dichloropropene     8.97   75   545396    50.54 ug/L      91
 36) 1,1,2-Trichloroethane         9.11   97   310045    56.42 ug/L      91
 37) Tetrachloroethene (PCE)       9.17  166   702158    50.26 ug/L #    90
 38) 1,3-Dichloropropane           9.23   76   497040    54.85 ug/L     100
 39) Dibromochloromethane          9.37  129   357637    54.88 ug/L #    97
 40) 1,2-Dibromoethane             9.46  107   267755    54.55 ug/L      99
 42) Chlorobenzene                 9.77  112  1420433    47.04 ug/L      97
 43) 1,1,1,2-Tetrachloroethane     9.83  131   466738    46.32 ug/L      99
 44) Ethylbenzene                  9.83  106   852760    45.60 ug/L      96
 45) P+m-Xylene                    9.91  106  1863391    84.46 ug/L      96
 46) O-Xylene                     10.15  106   963403    44.47 ug/L      89
 47) Styrene                      10.16  104  1429528    46.30 ug/L      91
 48) Bromoform                    10.29  173   178392    47.67 ug/L      99
 49) Isopropylbenzene             10.36  105  2225523    39.14 ug/L     100
 50) 1,1,2,2-Tetrachloroethane    10.54   83   275257    57.20 ug/L      94
-------------------------------------------------------------------------
 (#) = qualifier out of range (m) = manual integration
 10JUN14.D  82605C.M      Tue Jun 14 08:13:34 2022                                Page 1
```

```
                               Quantitation Report    (QT Reviewed)

Data File : D:\DATA\JUN2022C\JUN10\10JUN14.D            Vial: 14
Acq On    : 10 Jun 2022  12:21 pm                   Operator: MGC
Sample    : 2210844-CAL6                            Inst    : MS-V5
Misc      : 1 ;2F10007;25ML                         Multiplr: 1.00
MS Integration Params: rteint.p
 Quant Time: Jun 14  8:13 2022             Quant Results File: 82605C.RES

Quant Method : C:\HPCHEM\1...\82605C.M (RTE Integrator)
Title        : EPA Method  8260C/D
Last Update  : Wed Jun 01 13:16:14 2022
Response via : Initial Calibration
DataAcq Meth : 82605


      Compound                     R.T. QIon  Response  Conc Unit   Qvalue
 -------------------------------------------------------------------------
  52) 1,2,3-Trichloropropane      10.58  110     68811    42.03 ug/L      97
  53) n-propylbenzene             10.61   91   2477182    38.80 ug/L      97
  54) bromobenzene                10.57  156    554080    46.14 ug/L      96
  55) 1,3,5-trimethylbenzene      10.71  105   1804441    38.72 ug/L      98
  56) 2-chlorotoluene             10.68   91   1795426    40.95 ug/L      95
  57) 4-chlorotoluene             10.74   91   1581126    40.58 ug/L      99
  58) tert-butylbenzene           10.90  119   1908332    38.92 ug/L      92
  59) 1,2,4-trimethylbenzene      10.93  105   1772954    39.35 ug/L      99
  60) sec-butylbenzene            11.02  105   2306826    36.84 ug/L      99
  61) 4-isopropyltoluene          11.10  119   1771911    35.61 ug/L      94
  62) 1,3-Dichlorobenzene         11.11  146    955477    39.64 ug/L      92
  63) 1,4-Dichlorobenzene         11.16  146    979428    41.17 ug/L      92
  64) n-butylbenzene              11.33   91   1713423    41.13 ug/L      99
  65) 1,2-Dichlorobenzene         11.37  146    852197    43.81 ug/L #    93
  66) Hexachloroethane            11.53  117    436854    44.10 ug/L      91
  67) 1,2-dibromo-3-chloropropan  11.80   75     31761    39.56 ug/L      79
  68) 1,2,4-trichlorobenzene      12.24  180    559353    49.62 ug/L      99
  69) hexachlorobutadiene         12.30  225    406886    39.99 ug/L      96
  70) naphthalene                 12.39  128    699981    47.62 ug/L     100
  71) 1,2,3-trichlorobenzene      12.51  180    456020    50.78 ug/L      99

 -------------------------------------------------------------------------
 (#) = qualifier out of range (m) = manual integration
```

Quantitation Report

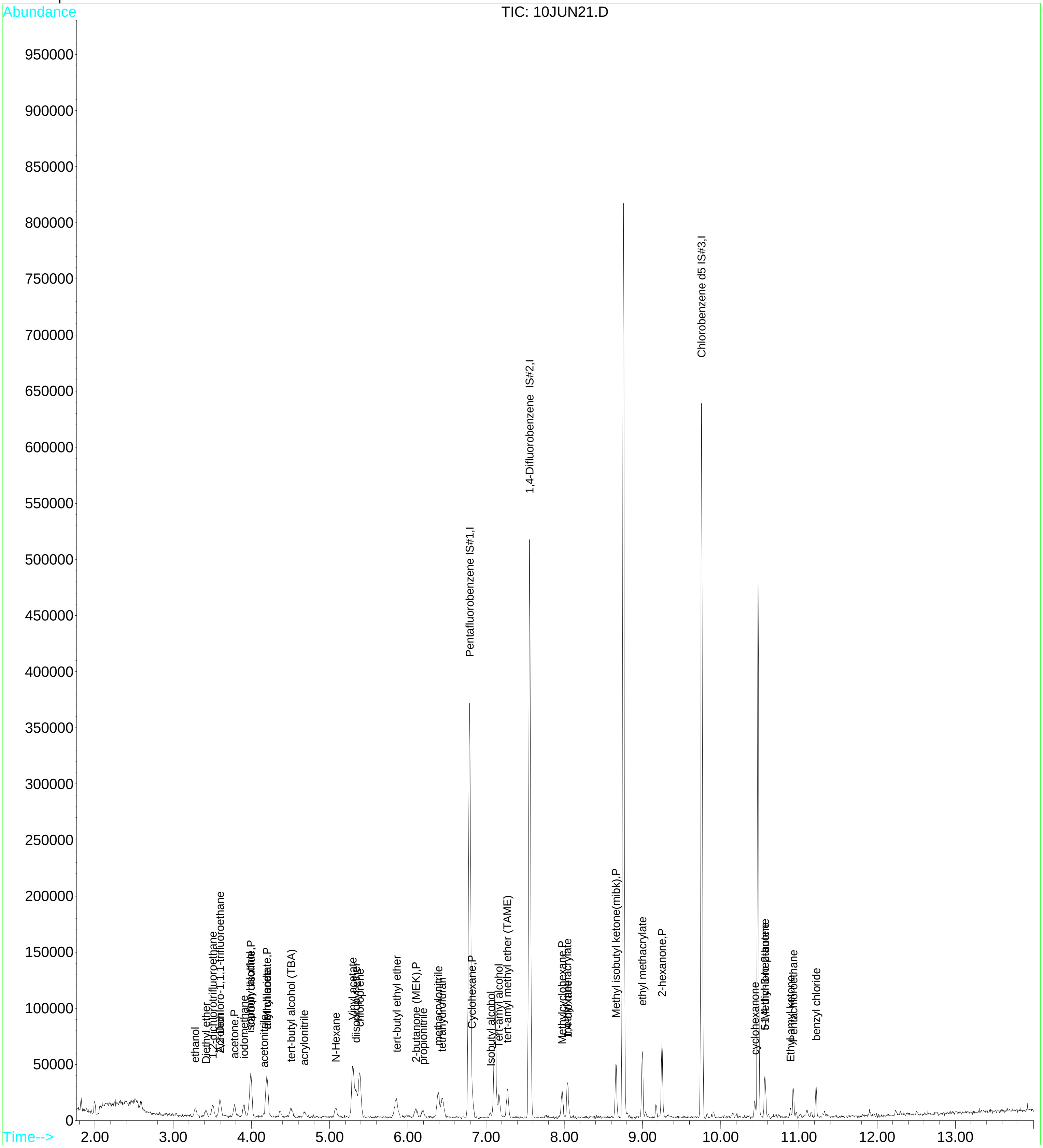
```
Data File : D:\DATA\JUN2022C\JUN10\10JUN14.D            Vial: 14
Acq On    : 10 Jun 2022  12:21 pm                    Operator: MGC
Sample    : 2210844-CAL6                             Inst    : MS-V5
Misc      : 1 ;2F10007;25ML                          Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jun 14  8:13 2022           Quant Results File: 82605C.RES

Method      : C:\HPCHEM\1\METHODS\C\202206\10-1156\82605C.M (RTE Integrator)
Title       : EPA Method  8260C/D
Last Update : Wed Jun 01 13:16:14 2022
Response via : Initial Calibration
```



```
                              Quantitation Report    (QT Reviewed)

Data File : D:\DATA\JUN2022C\JUN10\10JUN21.D            Vial: 21
Acq On    : 10 Jun 2022   3:18 pm                   Operator: MGC
Sample    : 2210844-CAL7                            Inst    : MS-V5
Misc      : 1 ;2F10015;25ML                         Multiplr: 1.00
MS Integration Params: rteint.p
 Quant Time: Jun 14  8:36 2022             Quant Results File: 82605CX.RES

Quant Method : C:\HPCHEM\1...\82605CX.M (RTE Integrator)
Title        : EPA Method 8260C/DX
Last Update  : Thu Apr 28 12:28:22 2022
Response via : Initial Calibration
DataAcq Meth : 82605

 Internal Standards                R.T. QIon  Response  Conc Units Dev(Min)
 --------------------------------------------------------------------------
   1) Pentafluorobenzene IS#1      6.79  137    40039    10.00 ug/L   -0.02
  29) 1,4-Difluorobenzene  IS#2    7.56   63    75155    10.00 ug/L   -0.01
  36) Chlorobenzene d5 IS#3        9.76  119    97666    10.00 ug/L   -0.01

 Target Compounds                                                   Qvalue
   2) ethanol                      3.27   45     7764   241.49 ug/L      90
   3) 2,2-Dichloro-1,1,1-trifluo   3.60   83     8585     0.53 ug/L      97
   4) 1,2-dichlorotrifluoroethan   3.50   67     7400     0.52 ug/L #    91
   5) Diethyl ether                3.41   59     2548     0.48 ug/L      91
   6) isopropyl alcohol            3.98   45     7460    47.66 ug/L      98
   7) Acrolein                     3.60   56     6241    11.40 ug/L      94
   8) acetone                      3.78   43    16322    20.68 ug/L      99
   9) tert-butyl alcohol (TBA)     4.51   59    11183    45.28 ug/L     100
  10) acetonitrile                 4.16   41     3404m   10.88 ug/L
  11) methyl acetate               4.20   43    16644     7.12 ug/L #    85
  12) allyl chloride               4.20   41    40647m    2.09 ug/L
  13) iodomethane                  3.91  142    14130     4.66 ug/L      86
  14) acrylonitrile                4.68   53     5664     4.83 ug/L      82
  15) carbon disulfide             3.99   76    60829     1.91 ug/L      94
  16) N-Hexane                     5.08   57     5695     0.49 ug/L #    79
  17) diisopropyl ether            5.34   87     7756     0.90 ug/L      98
  18) Vinyl acetate                5.29   43    97707     9.43 ug/L      95
  19) chloroprene                  5.39   53    31082     1.68 ug/L      94
  20) tert-butyl ethyl ether       5.86   59    20398     0.92 ug/L      98
  21) 2-butanone (MEK)             6.10   43    13642     9.90 ug/L      87
  22) propionitrile                6.19   54     9702    23.32 ug/L #    82
  23) Isobutyl alcohol             7.06   43     3939    35.23 ug/L      89
  24) methacrylonitrile            6.38   67    13953     9.70 ug/L      77
  25) Tert-amyl alcohol            7.16   59    12948    68.54 ug/L      93
  26) tetrahydrofuran              6.44   42    16541    19.24 ug/L      98
  27) Cyclohexane                  6.82   56     7474     0.38 ug/L #    28
  28) tert-amyl methyl ether (TA   7.28   73    16818     0.99 ug/L      95
  30) methyl methacrylate          8.04   69    12740     4.78 ug/L      99
  31) Methylcyclohexane            7.97   55     7922     0.53 ug/L      95
  32) 1,4-dioxane                  8.05   88     3390   120.61 ug/L      98
  33) Methyl isobutyl ketone(mib   8.66   43    28441     9.24 ug/L      96
  34) ethyl methacrylate           9.00   69    27856     4.81 ug/L      95
  35) 2-hexanone                   9.25   43    36910    18.93 ug/L      94
  37) 5-Methyl-3-heptanone        10.57   43     4059     1.45 ug/L      87
  38) cyclohexanone               10.44   55     6591    25.98 ug/L     100
  39) t-1,4-dichloro-2-butene     10.56   75     7994     7.45 ug/L      84
  40) Ethyl amyl ketone           10.89   57     1839     0.92 ug/L #    72
  41) Pentachloroethane           10.93  167     4137     1.12 ug/L      96
  42) benzyl chloride             11.22   91    17401     2.76 ug/L     100

 --------------------------------------------------------------------------
 (#) = qualifier out of range (m) = manual integration
 10JUN21.D  82605CX.M      Tue Jun 14 08:37:27 2022                          Page 1
```

Quantitation Report

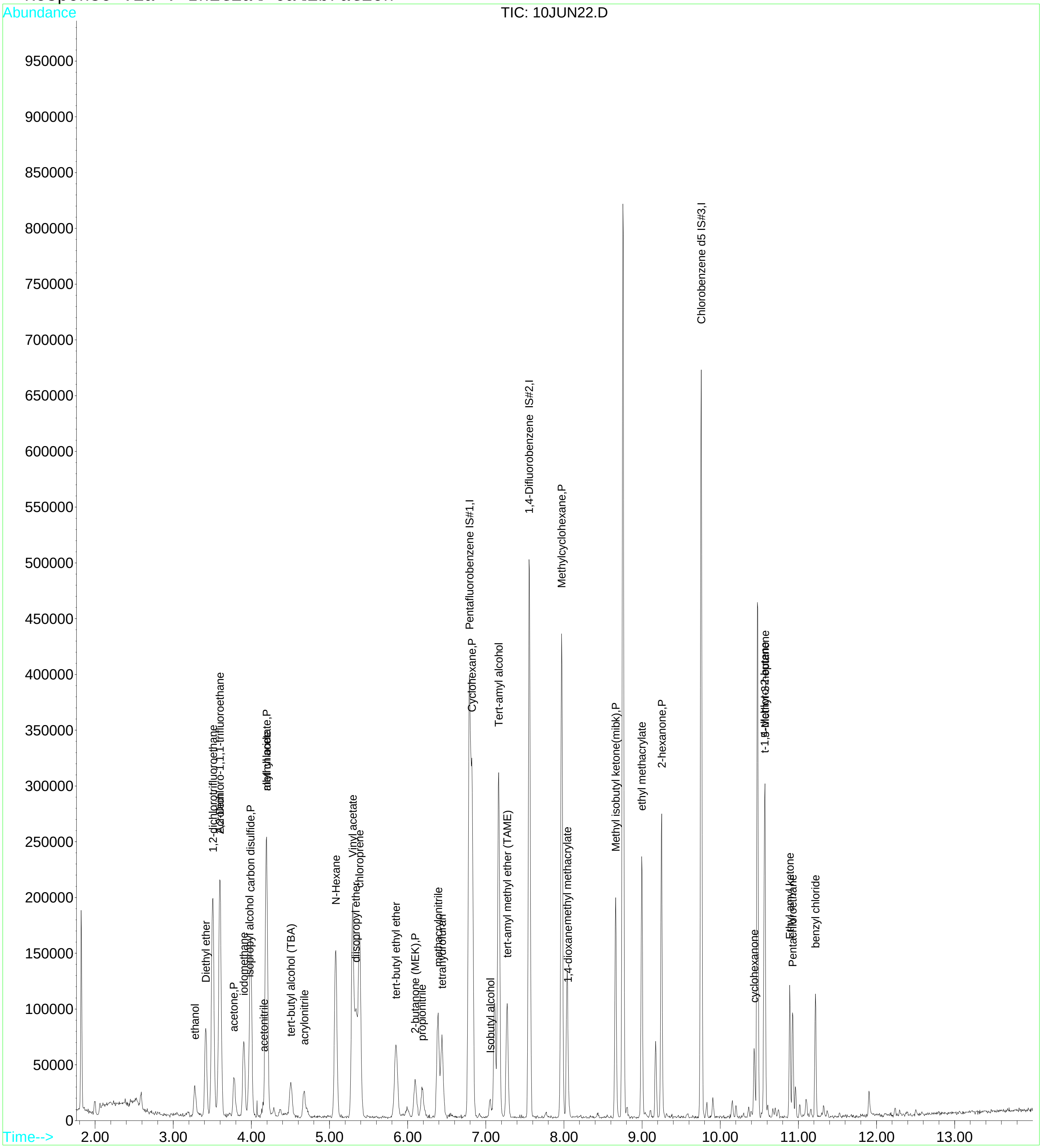
```
Data File : D:\DATA\JUN2022C\JUN10\10JUN21.D            Vial: 21
Acq On    : 10 Jun 2022   3:18 pm                   Operator: MGC
Sample    : 2210844-CAL7                            Inst    : MS-V5
Misc      : 1 ;2F10015;25ML                         Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jun 14  8:36 2022           Quant Results File: 82605CX.RES

Method       : C:\HPCHEM\1\METHODS\C\202206\10-1632\82605CX.M (RTE Integrator)
Title        : EPA Method 8260C/DX
Last Update  : Thu Apr 28 12:28:22 2022
Response via : Initial Calibration
```



```
                             Quantitation Report    (QT Reviewed)

Data File : D:\DATA\JUN2022C\JUN10\10JUN22.D            Vial: 22
Acq On    : 10 Jun 2022   3:43 pm                   Operator: MGC
Sample    : 2210844-CAL8                            Inst    : MS-V5
Misc      : 1 ;2F10016;25ML                         Multiplr: 1.00
MS Integration Params: rteint.p
 Quant Time: Jun 14  8:40 2022             Quant Results File: 82605CX.RES

Quant Method : C:\HPCHEM\1...\82605CX.M (RTE Integrator)
Title        : EPA Method 8260C/DX
Last Update  : Thu Apr 28 12:28:22 2022
Response via : Initial Calibration
DataAcq Meth : 82605

 Internal Standards                R.T. QIon  Response  Conc Units Dev(Min)
-------------------------------------------------------------------------
  1) Pentafluorobenzene IS#1      6.79  137    39908    10.00 ug/L   -0.02
 29) 1,4-Difluorobenzene  IS#2    7.56   63    76596    10.00 ug/L   -0.02
 36) Chlorobenzene d5 IS#3        9.76  119   104022    10.00 ug/L   -0.01

 Target Compounds                                                  Qvalue
  2) ethanol                      3.28   45    32887  1026.25 ug/L      97
  3) 2,2-Dichloro-1,1,1-trifluo   3.59   83   152684     9.41 ug/L      92
  4) 1,2-dichlorotrifluoroethan   3.51   67   131136     9.20 ug/L      92
  5) Diethyl ether                3.42   59    48349     9.22 ug/L      98
  6) isopropyl alcohol            3.97   45    32106   205.79 ug/L      88
  7) Acrolein                     3.59   56    24178    44.31 ug/L      99
  8) acetone                      3.78   43    51526    65.51 ug/L      95
  9) tert-butyl alcohol (TBA)     4.51   59    48487   196.96 ug/L     100
 10) acetonitrile                 4.15   41    12289    39.41 ug/L #   100
 11) methyl acetate               4.19   43   216136    92.79 ug/L      97
 12) allyl chloride               4.20   41   157875     8.14 ug/L      99
 13) iodomethane                  3.90  142    90393    16.83 ug/L      88
 14) acrylonitrile                4.68   53    22683    19.41 ug/L      95
 15) carbon disulfide             3.99   76   259412     8.18 ug/L      95
 16) N-Hexane                     5.08   57    96074     8.31 ug/L      98
 17) diisopropyl ether            5.34   87    30946     3.62 ug/L      95
 18) Vinyl acetate                5.30   43   385044    37.29 ug/L      96
 19) chloroprene                  5.38   53   134606     7.32 ug/L      98
 20) tert-butyl ethyl ether       5.85   59    84590     3.81 ug/L      97
 21) 2-butanone (MEK)             6.09   43    47672    34.71 ug/L      99
 22) propionitrile                6.19   54    39770    95.90 ug/L      95
 23) Isobutyl alcohol             7.06   43    13628   122.29 ug/L      94
 24) methacrylonitrile            6.39   67    56011    39.05 ug/L      67
 25) Tert-amyl alcohol            7.17   59   212038  1126.11 ug/L      91
 26) tetrahydrofuran              6.44   42    63220    73.78 ug/L      98
 27) Cyclohexane                  6.82   56   182026     9.23 ug/L      95
 28) tert-amyl methyl ether (TA   7.27   73    67186     3.96 ug/L      96
 30) methyl methacrylate          8.04   69    51093    18.82 ug/L      93
 31) Methylcyclohexane            7.97   55   127203     8.36 ug/L      93
 32) 1,4-dioxane                  8.06   88    13692   477.99 ug/L      99
 33) Methyl isobutyl ketone(mib   8.66   43   113462    36.18 ug/L      94
 34) ethyl methacrylate           8.99   69   113147    19.18 ug/L      96
 35) 2-hexanone                   9.25   43   143911    72.42 ug/L      95
 37) 5-Methyl-3-heptanone        10.57   43    54893    18.45 ug/L      98
 38) cyclohexanone               10.43   55    23369    86.48 ug/L      98
 39) t-1,4-dichloro-2-butene     10.56   75    32789    24.16 ug/L      84
 40) Ethyl amyl ketone           10.89   57    25914     9.08 ug/L      97
 41) Pentachloroethane           10.93  167    14748     2.69 ug/L      98
 42) benzyl chloride             11.22   91    71023     8.51 ug/L      99

-------------------------------------------------------------------------
(#) = qualifier out of range (m) = manual integration
```

Quantitation Report

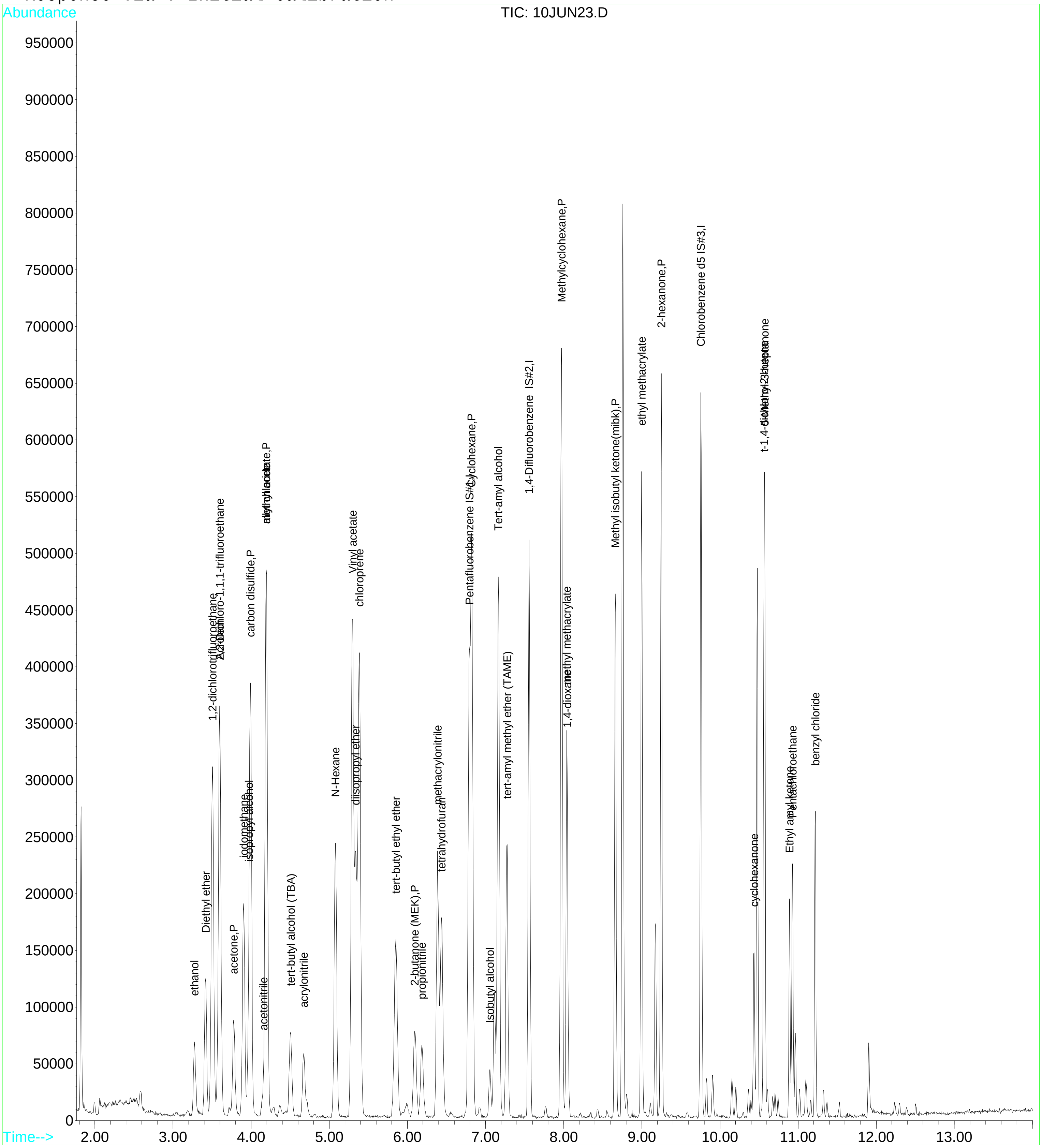
```
Data File : D:\DATA\JUN2022C\JUN10\10JUN22.D          Vial: 22
Acq On    : 10 Jun 2022   3:43 pm                  Operator: MGC
Sample    : 2210844-CAL8                           Inst    : MS-V5
Misc      : 1 ;2F10016;25ML                        Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jun 14  8:40 2022            Quant Results File: 82605CX.RES

Method       : C:\HPCHEM\1\METHODS\C\202206\10-1632\82605CX.M (RTE Integrator)
Title        : EPA Method 8260C/DX
Last Update  : Thu Apr 28 12:28:22 2022
Response via : Initial Calibration
```



```
                             Quantitation Report    (QT Reviewed)

Data File : D:\DATA\JUN2022C\JUN10\10JUN23.D            Vial: 23
Acq On    : 10 Jun 2022   4:08 pm                   Operator: MGC
Sample    : 2210844-CAL9                            Inst    : MS-V5
Misc      : 1 ;2F10017;25ML                         Multiplr: 1.00
MS Integration Params: rteint.p
 Quant Time: Jun 14  8:41 2022           Quant Results File: 82605CX.RES

Quant Method : C:\HPCHEM\1...\82605CX.M (RTE Integrator)
Title        : EPA Method 8260C/DX
Last Update  : Thu Apr 28 12:28:22 2022
Response via : Initial Calibration
DataAcq Meth : 82605

 Internal Standards                 R.T. QIon  Response  Conc Units Dev(Min)
 -------------------------------------------------------------------------
   1) Pentafluorobenzene IS#1      6.79  137    39604    10.00 ug/L   -0.02
  29) 1,4-Difluorobenzene  IS#2    7.56   63    75956    10.00 ug/L   -0.01
  36) Chlorobenzene d5 IS#3        9.76  119   100197    10.00 ug/L   -0.01

 Target Compounds                                                  Qvalue
   2) ethanol                      3.28   45    80685  2537.13 ug/L      97
   3) 2,2-Dichloro-1,1,1-trifluo   3.60   83   241382    15.00 ug/L      93
   4) 1,2-dichlorotrifluoroethan   3.51   67   196232    13.87 ug/L      94
   5) Diethyl ether                3.42   59    72366    13.90 ug/L      98
   6) isopropyl alcohol            3.97   45    82408   532.27 ug/L      78
   7) Acrolein                     3.59   56    56382   104.11 ug/L      96
   8) acetone                      3.78   43   125714   161.06 ug/L      98
   9) tert-butyl alcohol (TBA)     4.51   59   117531   481.08 ug/L     100
  10) acetonitrile                 4.15   41    32738m  105.79 ug/L
  11) methyl acetate               4.19   43   332590   143.89 ug/L      98
  12) allyl chloride               4.20   41   399917    20.77 ug/L      94
  13) iodomethane                  3.91  142   254217    34.55 ug/L      89
  14) acrylonitrile                4.67   53    56441    48.66 ug/L      93
  15) carbon disulfide             3.99   76   626476    19.92 ug/L      96
  16) N-Hexane                     5.08   57   147593    12.87 ug/L      98
  17) diisopropyl ether            5.33   87    74526     8.79 ug/L      99
  18) Vinyl acetate                5.29   43   904371    88.25 ug/L      97
  19) chloroprene                  5.39   53   327940    17.96 ug/L      96
  20) tert-butyl ethyl ether       5.85   59   202976     9.21 ug/L      98
  21) 2-butanone (MEK)             6.09   43   114832    84.26 ug/L      97
  22) propionitrile                6.19   54    98050   238.24 ug/L      95
  23) Isobutyl alcohol             7.06   43    32485   293.75 ug/L      97
  24) methacrylonitrile            6.39   67   134811    94.72 ug/L      66
  25) Tert-amyl alcohol            7.16   59   321637  1721.30 ug/L      91
  26) tetrahydrofuran              6.44   42   154789   182.03 ug/L      98
  27) Cyclohexane                  6.82   56   285258    14.58 ug/L      95
  28) tert-amyl methyl ether (TA   7.28   73   161516     9.59 ug/L      97
  30) methyl methacrylate          8.04   69   123149    45.74 ug/L      89
  31) Methylcyclohexane            7.97   55   200566    13.29 ug/L      91
  32) 1,4-dioxane                  8.05   88    35106  1235.88 ug/L      95
  33) Methyl isobutyl ketone(mib   8.66   43   264936    85.19 ug/L      97
  34) ethyl methacrylate           9.00   69   272182    46.54 ug/L      96
  35) 2-hexanone                   9.25   43   344358   174.76 ug/L      96
  37) 5-Methyl-3-heptanone        10.57   43    90714    31.65 ug/L      96
  38) cyclohexanone               10.44   55    56039   215.29 ug/L     100
  39) t-1,4-dichloro-2-butene     10.56   75    78988    58.02 ug/L      86
  40) Ethyl amyl ketone           10.89   57    42238    15.20 ug/L      97
  41) Pentachloroethane           10.93  167    32797     5.72 ug/L      97
  42) benzyl chloride             11.22   91   170855    20.16 ug/L      99

 -------------------------------------------------------------------------
 (#) = qualifier out of range (m) = manual integration
 10JUN23.D  82605CX.M      Tue Jun 14 08:41:58 2022                              Page 1
```

Quantitation Report

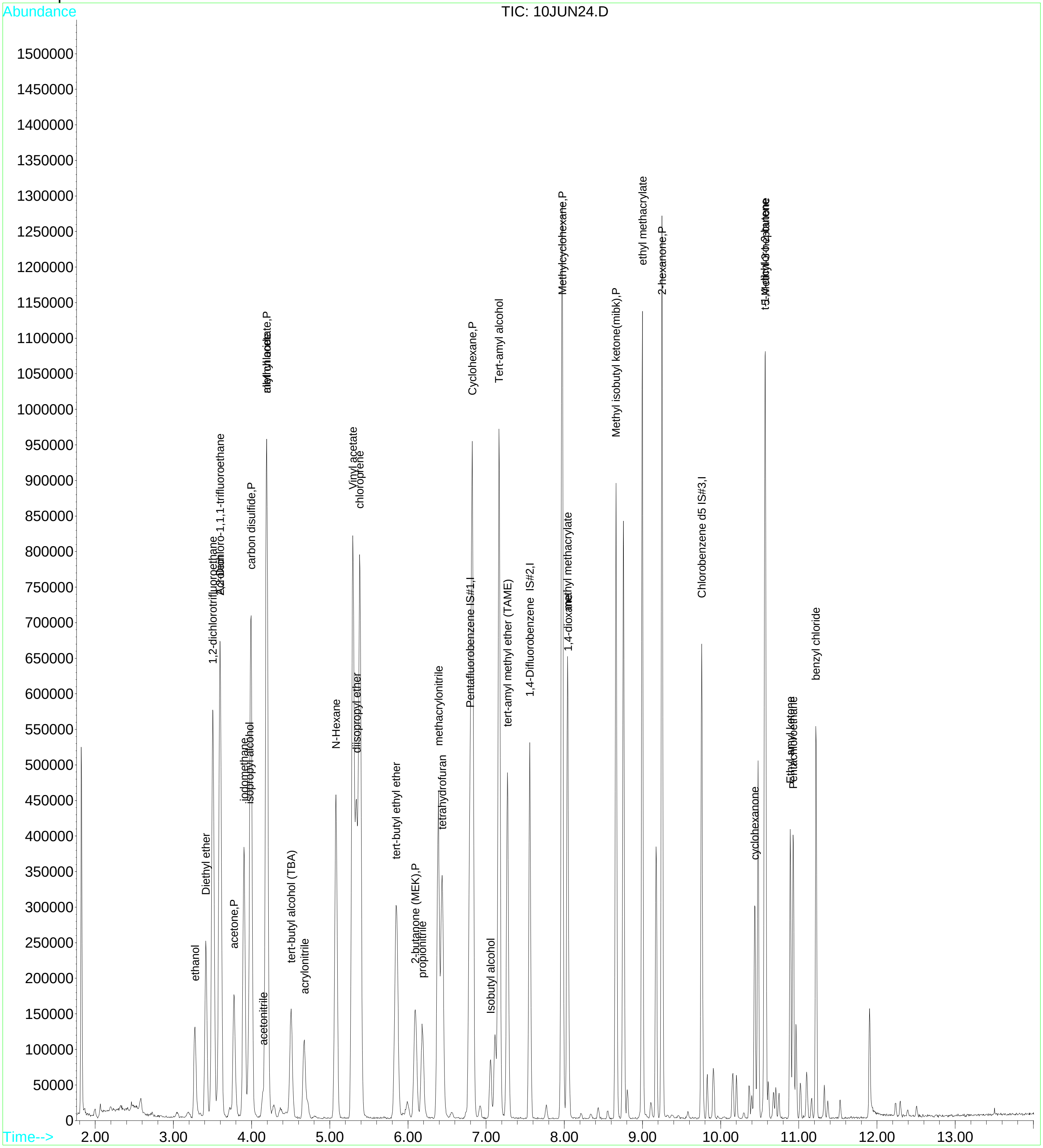
```
Data File : D:\DATA\JUN2022C\JUN10\10JUN23.D            Vial: 23
Acq On    : 10 Jun 2022   4:08 pm                   Operator: MGC
Sample    : 2210844-CAL9                            Inst    : MS-V5
Misc      : 1 ;2F10017;25ML                         Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jun 14  8:41 2022             Quant Results File: 82605CX.RES

Method       : C:\HPCHEM\1\METHODS\C\202206\10-1632\82605CX.M (RTE Integrator)
Title        : EPA Method 8260C/DX
Last Update  : Thu Apr 28 12:28:22 2022
Response via : Initial Calibration
```



```
                             Quantitation Report    (QT Reviewed)

Data File : D:\DATA\JUN2022C\JUN10\10JUN24.D            Vial: 24
Acq On    : 10 Jun 2022   4:32 pm                   Operator: MGC
Sample    : 2210844-CALA                            Inst    : MS-V5
Misc      : 1 ;2F10018;25ML                         Multiplr: 1.00
MS Integration Params: rteint.p
 Quant Time: Jun 14  8:42 2022             Quant Results File: 82605CX.RES

Quant Method : C:\HPCHEM\1...\82605CX.M (RTE Integrator)
Title        : EPA Method 8260C/DX
Last Update  : Thu Apr 28 12:28:22 2022
Response via : Initial Calibration
DataAcq Meth : 82605

 Internal Standards                R.T. QIon  Response  Conc Units Dev(Min)
 -------------------------------------------------------------------------
   1) Pentafluorobenzene IS#1      6.79  137    39993    10.00 ug/L   -0.02
  29) 1,4-Difluorobenzene  IS#2    7.56   63    77182    10.00 ug/L   -0.01
  36) Chlorobenzene d5 IS#3        9.76  119   105118    10.00 ug/L   -0.01

 Target Compounds                                                    Qvalue
   2) ethanol                      3.28   45   156577  4875.65 ug/L     100
   3) 2,2-Dichloro-1,1,1-trifluo   3.60   83   456228    28.07 ug/L      94
   4) 1,2-dichlorotrifluoroethan   3.50   67   380026    26.59 ug/L      93
   5) Diethyl ether                3.41   59   147320    28.02 ug/L      98
   6) isopropyl alcohol            3.97   45   156116   998.53 ug/L      79
   7) Acrolein                     3.59   56   110924   202.84 ug/L      92
   8) acetone                      3.77   43   250713   318.08 ug/L      97
   9) tert-butyl alcohol (TBA)     4.51   59   238313   965.98 ug/L     100
  10) acetonitrile                 4.14   41    61053   195.36 ug/L #   100
  11) methyl acetate               4.19   43   655700   280.91 ug/L      99
  12) allyl chloride               4.20   41   698585    35.94 ug/L      99
  13) iodomethane                  3.90  142   519170    54.35 ug/L      89
  14) acrylonitrile                4.67   53   111628    95.30 ug/L      96
  15) carbon disulfide             3.99   76  1174063    36.96 ug/L      96
  16) N-Hexane                     5.08   57   285635    24.66 ug/L      98
  17) diisopropyl ether            5.34   87   146945    17.16 ug/L     100
  18) Vinyl acetate                5.29   43  1675629   161.92 ug/L      98
  19) chloroprene                  5.38   53   632490    34.30 ug/L      96
  20) tert-butyl ethyl ether       5.85   59   401012    18.02 ug/L      98
  21) 2-butanone (MEK)             6.09   43   233751   169.84 ug/L      99
  22) propionitrile                6.18   54   194768   468.65 ug/L      98
  23) Isobutyl alcohol             7.06   43    61103   547.16 ug/L      97
  24) methacrylonitrile            6.39   67   266141   185.18 ug/L      94
  25) Tert-amyl alcohol            7.16   59   653134  3461.36 ug/L      90
  26) tetrahydrofuran              6.44   42   307413   358.01 ug/L      97
  27) Cyclohexane                  6.82   56   539705    27.31 ug/L      94
  28) tert-amyl methyl ether (TA   7.27   73   312826    18.40 ug/L      97
  30) methyl methacrylate          8.04   69   242296    88.57 ug/L      90
  31) Methylcyclohexane            7.97   55   381951    24.90 ug/L      92
  32) 1,4-dioxane                  8.05   88    70754  2451.28 ug/L      99
  33) Methyl isobutyl ketone(mib   8.66   43   520295   164.64 ug/L      97
  34) ethyl methacrylate           9.00   69   531596    89.45 ug/L      97
  35) 2-hexanone                   9.25   43   671543   335.39 ug/L      97
  37) 5-Methyl-3-heptanone        10.57   43   180912    60.16 ug/L      98
  38) cyclohexanone               10.43   55   111786   409.36 ug/L      94
  39) t-1,4-dichloro-2-butene     10.56   75   162087   111.96 ug/L      84
  40) Ethyl amyl ketone           10.89   57    81954    27.90 ug/L      96
  41) Pentachloroethane           10.93  167    62009    10.26 ug/L      98
  42) benzyl chloride             11.22   91   347462    38.40 ug/L     100

 -------------------------------------------------------------------------
 (#) = qualifier out of range (m) = manual integration
 10JUN24.D  82605CX.M      Tue Jun 14 08:42:43 2022                          Page 1
```

Quantitation Report

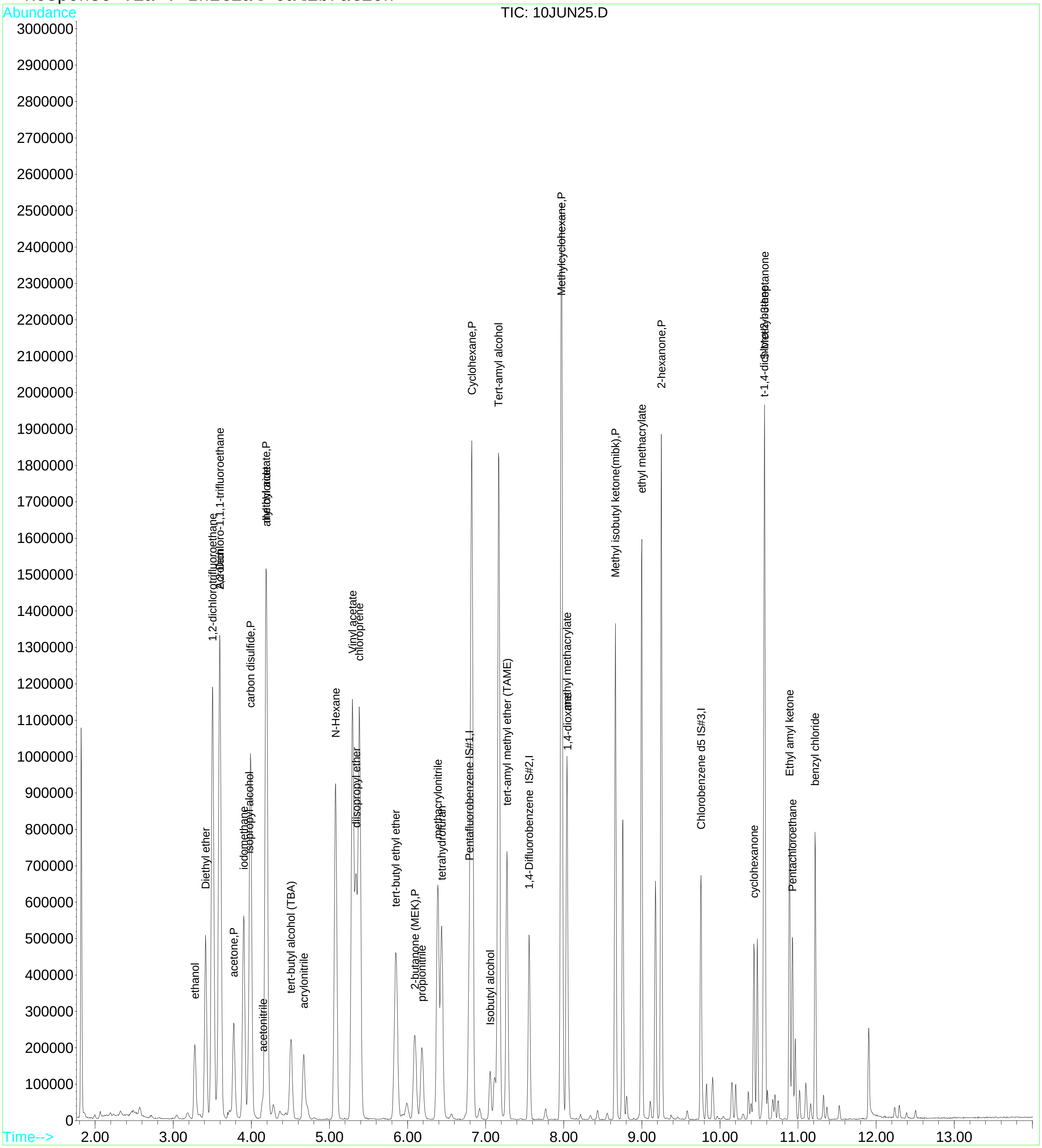
```
Data File : D:\DATA\JUN2022C\JUN10\10JUN24.D            Vial: 24
Acq On    : 10 Jun 2022   4:32 pm                   Operator: MGC
Sample    : 2210844-CALA                            Inst    : MS-V5
Misc      : 1 ;2F10018;25ML                         Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jun 14  8:42 2022             Quant Results File: 82605CX.RES

Method       : C:\HPCHEM\1\METHODS\C\202206\10-1632\82605CX.M (RTE Integrator)
Title        : EPA Method 8260C/DX
Last Update  : Thu Apr 28 12:28:22 2022
Response via : Initial Calibration
```



```
                              Quantitation Report    (QT Reviewed)

Data File : D:\DATA\JUN2022C\JUN10\10JUN25.D             Vial: 25
Acq On    : 10 Jun 2022   4:57 pm                    Operator: MGC
Sample    : 2210844-CALB                             Inst    : MS-V5
Misc      : 1 ;2F10019;25ML                          Multiplr: 1.00
MS Integration Params: rteint.p
 Quant Time: Jun 14  8:43 2022            Quant Results File: 82605CX.RES

Quant Method : C:\HPCHEM\1...\82605CX.M (RTE Integrator)
Title        : EPA Method 8260C/DX
Last Update  : Thu Apr 28 12:28:22 2022
Response via : Initial Calibration
DataAcq Meth : 82605

 Internal Standards                 R.T. QIon  Response  Conc Units Dev(Min)
 ---------------------------------------------------------------------------
   1) Pentafluorobenzene IS#1      6.79  137    39566    10.00 ug/L   -0.03
  29) 1,4-Difluorobenzene  IS#2    7.55   63    76988    10.00 ug/L   -0.02
  36) Chlorobenzene d5 IS#3        9.76  119   105758    10.00 ug/L   -0.01

 Target Compounds                                                    Qvalue
   2) ethanol                      3.28   45   245428  7724.86 ug/L     100
   3) 2,2-Dichloro-1,1,1-trifluo   3.60   83   919013    57.15 ug/L      94
   4) 1,2-dichlorotrifluoroethan   3.50   67   773163    54.69 ug/L      95
   5) Diethyl ether                3.41   59   307176    59.06 ug/L      97
   6) isopropyl alcohol            3.97   45   248887  1609.08 ug/L      70
   7) Acrolein                     3.59   56   175733   324.82 ug/L      91
   8) acetone                      3.78   43   375601   481.67 ug/L      96
   9) tert-butyl alcohol (TBA)     4.51   59   353092  1446.67 ug/L     100
  10) acetonitrile                 4.14   41    88301   285.61 ug/L #   100
  11) methyl acetate               4.18   43  1303485   564.46 ug/L     100
  12) allyl chloride               4.20   41   984753    51.20 ug/L      99
  13) iodomethane                  3.90  142   768521    69.62 ug/L      90
  14) acrylonitrile                4.67   53   178492   154.02 ug/L      95
  15) carbon disulfide             3.99   76  1643032    52.28 ug/L      97
  16) N-Hexane                     5.08   57   591377    51.62 ug/L      97
  17) diisopropyl ether            5.34   87   223935    26.43 ug/L      96
  18) Vinyl acetate                5.30   43  2376834   232.16 ug/L      99
  19) chloroprene                  5.38   53   900089    49.35 ug/L      95
  20) tert-butyl ethyl ether       5.85   59   602284    27.36 ug/L      99
  21) 2-butanone (MEK)             6.09   43   352689   259.03 ug/L      98
  22) propionitrile                6.18   54   310754   755.80 ug/L      98
  23) Isobutyl alcohol             7.06   43    94551   855.81 ug/L      97
  24) methacrylonitrile            6.39   67   407931   286.89 ug/L      67
  25) Tert-amyl alcohol            7.17   59  1280800  6861.01 ug/L      91
  26) tetrahydrofuran              6.43   42   468516   551.51 ug/L      97
  27) Cyclohexane                  6.82   56  1080064    55.25 ug/L      95
  28) tert-amyl methyl ether (TA   7.27   73   481703    28.64 ug/L      96
  30) methyl methacrylate          8.04   69   369082   135.26 ug/L      90
  31) Methylcyclohexane            7.97   55   772187    50.46 ug/L      92
  32) 1,4-dioxane                  8.05   88   111573  3875.20 ug/L      99
  33) Methyl isobutyl ketone(mib   8.66   43   773683   245.44 ug/L      98
  34) ethyl methacrylate           9.00   69   787819   132.90 ug/L      98
  35) 2-hexanone                   9.25   43   982283   491.81 ug/L      97
  37) 5-Methyl-3-heptanone        10.57   43   349195   115.41 ug/L      98
  38) cyclohexanone               10.43   55   172882   629.26 ug/L      94
  39) t-1,4-dichloro-2-butene     10.56   75   226505   154.89 ug/L      87
  40) Ethyl amyl ketone           10.89   57   171247    57.69 ug/L      98
  41) Pentachloroethane           10.93  167    75502    12.52 ug/L      99
  42) benzyl chloride             11.22   91   479405    52.39 ug/L      98

 ---------------------------------------------------------------------------
 (#) = qualifier out of range (m) = manual integration
 10JUN25.D  82605CX.M      Tue Jun 14 08:43:47 2022                          Page 1
```

Quantitation Report

```
Data File : D:\DATA\JUN2022C\JUN10\10JUN25.D            Vial: 25
Acq On    : 10 Jun 2022   4:57 pm                    Operator: MGC
Sample    : 2210844-CALB                             Inst    : MS-V5
Misc      : 1 ;2F10019;25ML                          Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jun 14  8:43 2022             Quant Results File: 82605CX.RES

Method       : C:\HPCHEM\1\METHODS\C\202206\10-1632\82605CX.M (RTE Integrator)
Title        : EPA Method 8260C/DX
Last Update  : Thu Apr 28 12:28:22 2022
Response via : Initial Calibration
```

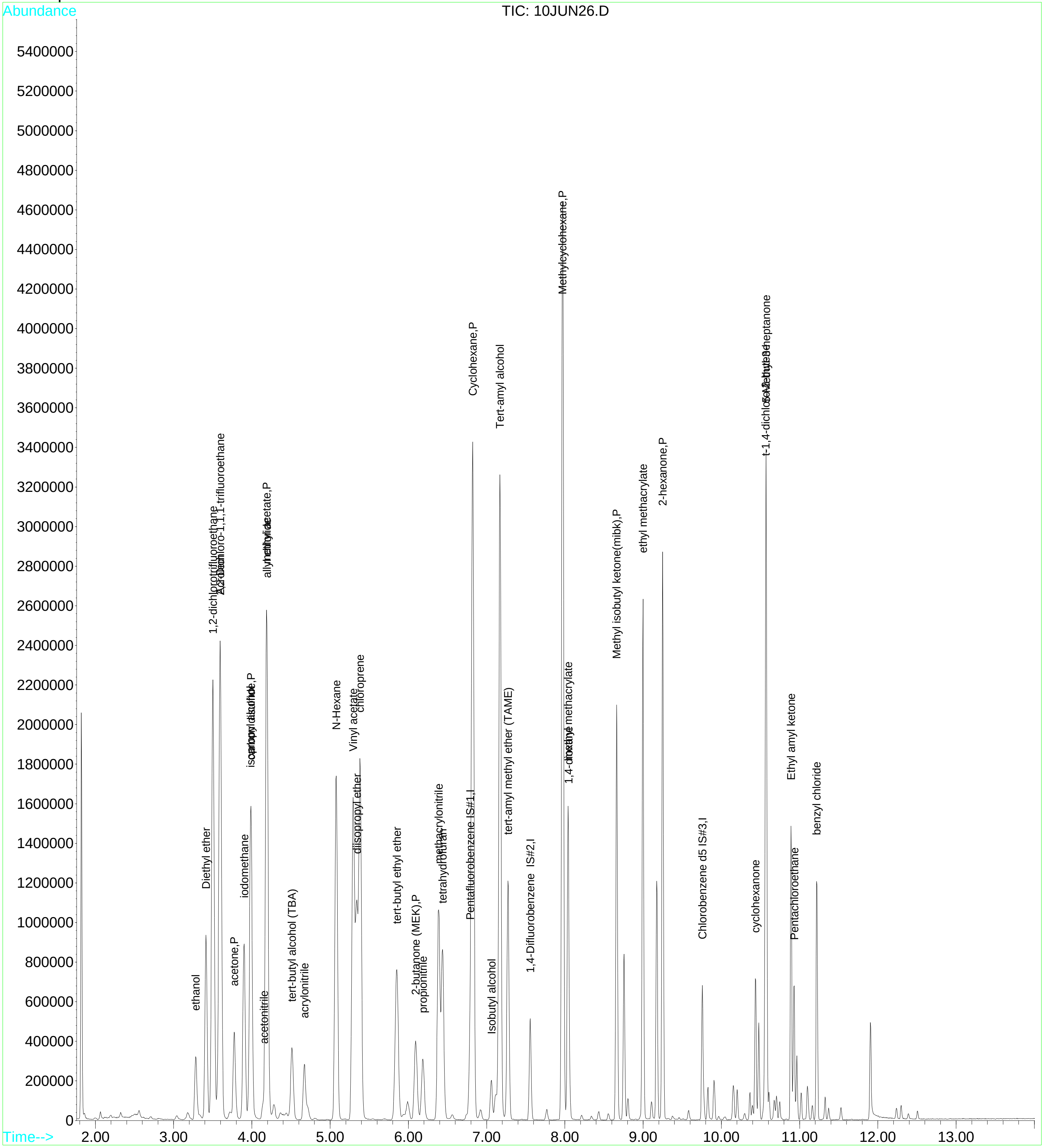


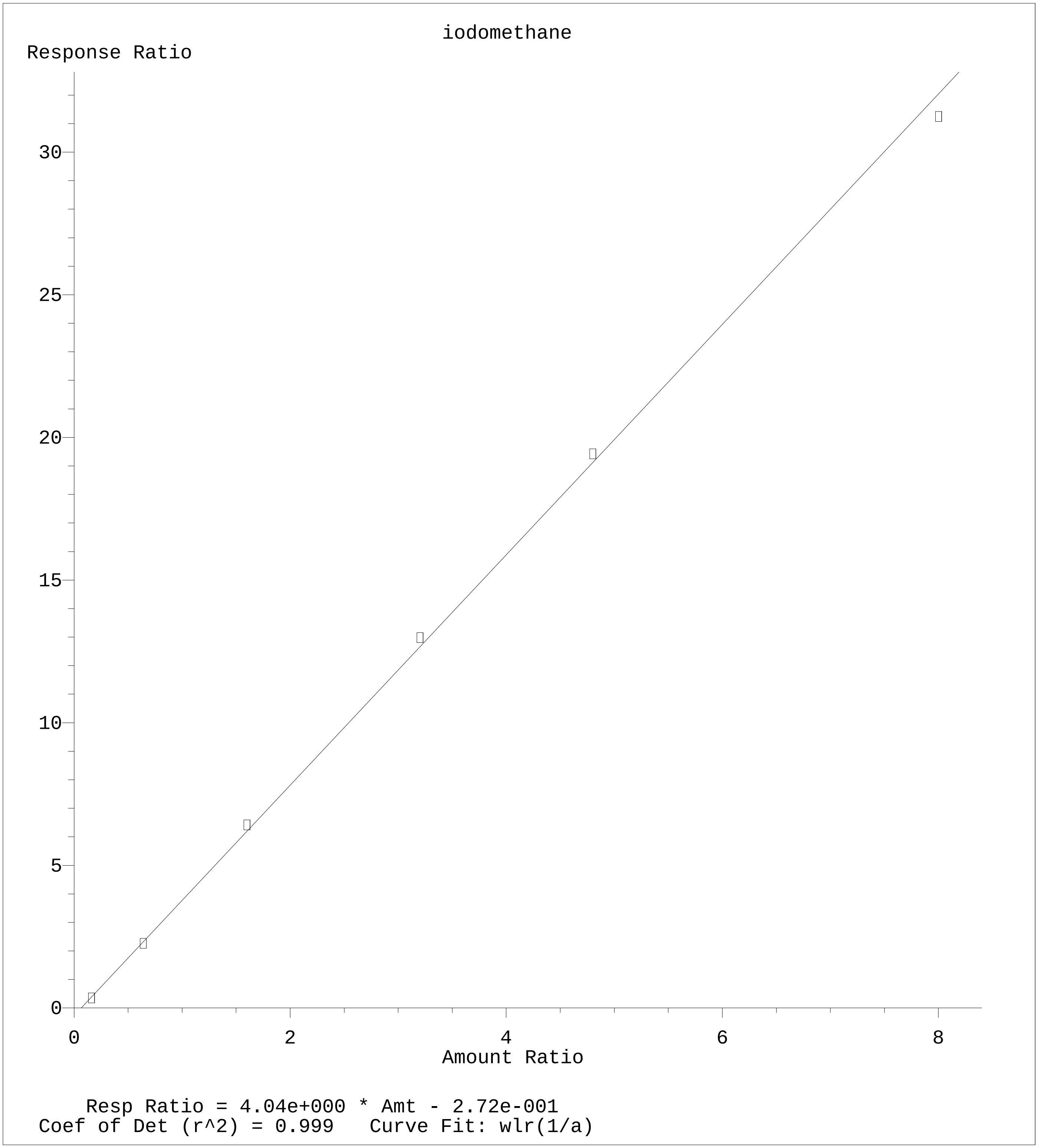
```
                             Quantitation Report    (QT Reviewed)

Data File : D:\DATA\JUN2022C\JUN10\10JUN26.D            Vial: 26
Acq On    : 10 Jun 2022   5:22 pm                   Operator: MGC
Sample    : 2210844-CALC                            Inst    : MS-V5
Misc      : 1 ;2F10020;25ML                         Multiplr: 1.00
MS Integration Params: rteint.p
 Quant Time: Jun 14  8:43 2022             Quant Results File: 82605CX.RES

Quant Method : C:\HPCHEM\1...\82605CX.M (RTE Integrator)
Title        : EPA Method 8260C/DX
Last Update  : Thu Apr 28 12:28:22 2022
Response via : Initial Calibration
DataAcq Meth : 82605

 Internal Standards                R.T. QIon  Response  Conc Units Dev(Min)
 ---------------------------------------------------------------------------
   1) Pentafluorobenzene IS#1      6.79  137    39847    10.00 ug/L   -0.03
  29) 1,4-Difluorobenzene  IS#2    7.56   63    77140    10.00 ug/L   -0.01
  36) Chlorobenzene d5 IS#3        9.76  119   105673    10.00 ug/L   -0.01

 Target Compounds                                                   Qvalue
   2) ethanol                      3.28   45   381926  11936.37 ug/L      99
   3) 2,2-Dichloro-1,1,1-trifluo   3.60   83  1731180   106.90 ug/L      95
   4) 1,2-dichlorotrifluoroethan   3.50   67  1433966   100.71 ug/L      96
   5) Diethyl ether                3.41   59   578272   110.39 ug/L      98
   6) isopropyl alcohol            3.98   45   376533  2417.16 ug/L      76
   7) Acrolein                     3.59   56   258072   473.64 ug/L      99
   8) acetone                      3.77   43   624180   794.81 ug/L      96
   9) tert-butyl alcohol (TBA)     4.51   59   581794  2366.88 ug/L     100
  10) acetonitrile                 4.15   41   147492   473.69 ug/L #   100
  11) methyl acetate               4.18   43  2330576  1002.11 ug/L      98
  12) allyl chloride               4.20   41  1480218    76.42 ug/L      97
  13) iodomethane                  3.90  142  1245037    92.34 ug/L      91
  14) acrylonitrile                4.67   53   274726   235.39 ug/L      95
  15) carbon disulfide             3.99   76  2560379    80.90 ug/L      99
  16) N-Hexane                     5.07   57  1133842    98.27 ug/L      97
  17) diisopropyl ether            5.34   87   371893    43.58 ug/L      92
  18) Vinyl acetate                5.29   43  3490165   338.50 ug/L      99
  19) chloroprene                  5.38   53  1446504    78.74 ug/L      95
  20) tert-butyl ethyl ether       5.85   59  1001045    45.15 ug/L      99
  21) 2-butanone (MEK)             6.09   43   590281   430.47 ug/L      98
  22) propionitrile                6.19   54   474308  1145.45 ug/L      99
  23) Isobutyl alcohol             7.06   43   144512  1298.80 ug/L      96
  24) methacrylonitrile            6.39   67   671051   468.62 ug/L      66
  25) Tert-amyl alcohol            7.17   59  2244996  11941.22 ug/L      94
  26) tetrahydrofuran              6.44   42   766739   896.20 ug/L      96
  27) Cyclohexane                  6.82   56  1997487   101.46 ug/L      96
  28) tert-amyl methyl ether (TA   7.27   73   789137    46.59 ug/L      98
  30) methyl methacrylate          8.04   69   595976   217.98 ug/L      92
  31) Methylcyclohexane            7.97   55  1436947    93.72 ug/L      94
  32) 1,4-dioxane                  8.05   88   174250  6040.19 ug/L      99
  33) Methyl isobutyl ketone(mib   8.66   43  1190481   376.92 ug/L     100
  34) ethyl methacrylate           9.00   69  1238111   208.44 ug/L      99
  35) 2-hexanone                   9.25   43  1492472   745.79 ug/L     100
  37) 5-Methyl-3-heptanone        10.57   43   626622   207.27 ug/L      98
  38) cyclohexanone               10.44   55   261169   951.37 ug/L      94
  39) t-1,4-dichloro-2-butene     10.56   75   350327   238.89 ug/L      89
  40) Ethyl amyl ketone           10.89   57   312930   105.29 ug/L      97
  41) Pentachloroethane           10.93  167    99368    16.89 ug/L      98
  42) benzyl chloride             11.22   91   756701    82.34 ug/L      98
```

```
 ---------------------------------------------------------------------------
 (#) = qualifier out of range (m) = manual integration
 10JUN26.D  82605CX.M      Tue Jun 14 08:44:24 2022                                Page 1
```

Quantitation Report

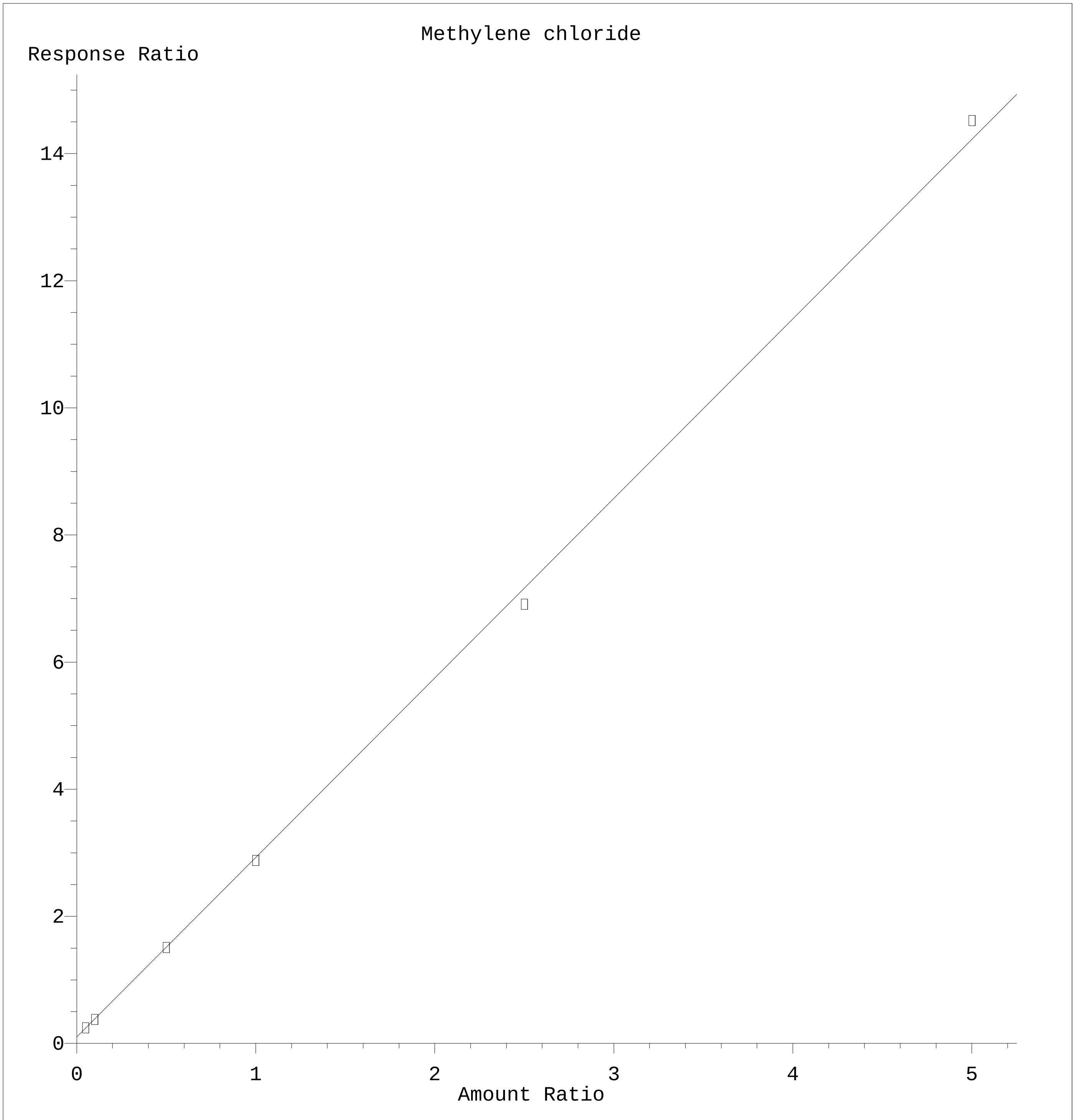
```
Data File : D:\DATA\JUN2022C\JUN10\10JUN26.D           Vial: 26
Acq On    : 10 Jun 2022   5:22 pm                   Operator: MGC
Sample    : 2210844-CALC                            Inst    : MS-V5
Misc      : 1 ;2F10020;25ML                         Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jun 14  8:43 2022             Quant Results File: 82605CX.RES

Method       : C:\HPCHEM\1\METHODS\C\202206\10-1632\82605CX.M (RTE Integrator)
Title        : EPA Method 8260C/DX
Last Update  : Thu Apr 28 12:28:22 2022
Response via : Initial Calibration
```





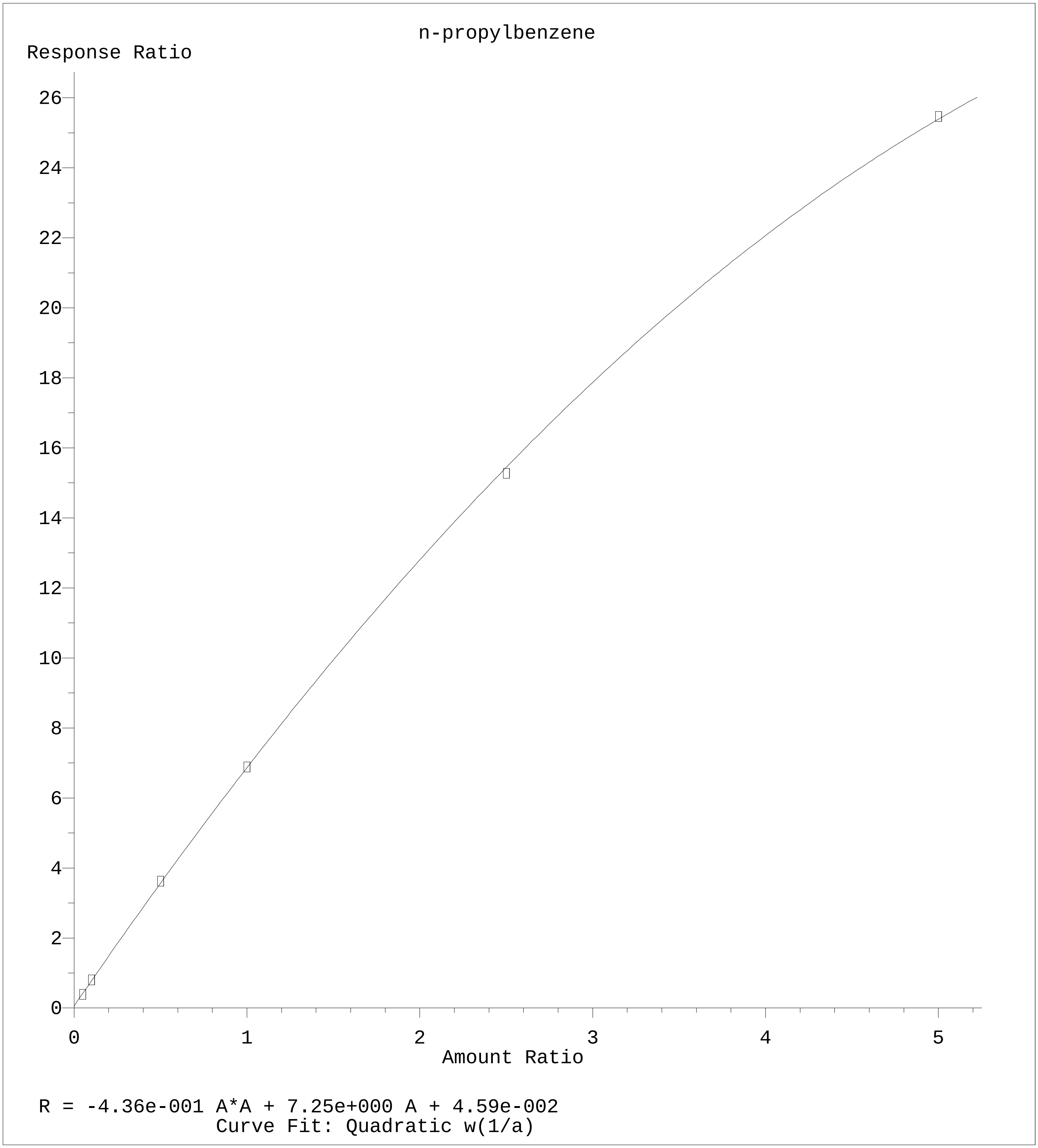
Resp Ratio = 4.04e+000 * Amt - 2.72e-001
Coef of Det (r^2) = 0.999   Curve Fit: wlr(1/a)

Method Name: C:\HPCHEM\1\METHODS\C\202206\10-1632\82605CX.M
Calibration Table Last Updated: Tue Jun 14 08:47:02 2022



Resp Ratio = 2.83e+000 * Amt + 9.61e-002
Coef of Det (r^2) = 0.999   Curve Fit: wlr(1/a)

Method Name: C:\HPCHEM\1\METHODS\C\202206\10-1156\82605C.M
Calibration Table Last Updated: Tue Jun 14 08:18:30 2022



Method Name: C:\HPCHEM\1\METHODS\C\202206\10-1156\82605C.M
Calibration Table Last Updated: Tue Jun 14 08:18:30 2022

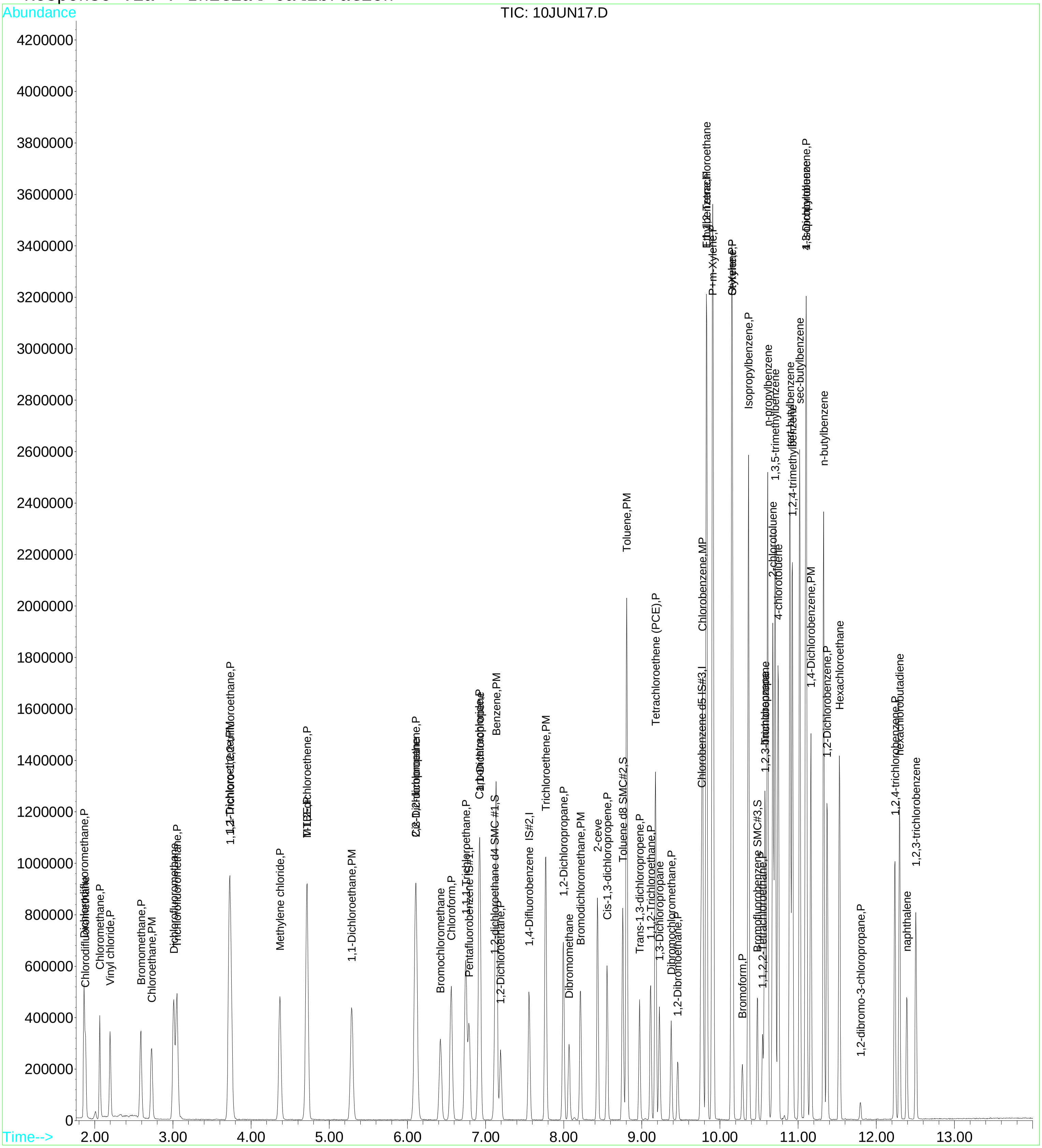
Raw Data - ICV

```
                              Quantitation Report    (QT Reviewed)

Data File : D:\DATA\JUN2022C\JUN10\10JUN17.D            Vial: 17
Acq On    : 10 Jun 2022   1:35 pm                   Operator: MGC
Sample    : 2210844-ICV1                            Inst    : MS-V5
Misc      : 1 ;2F10014;25ML                         Multiplr: 1.00
MS Integration Params: rteint.p
 Quant Time: Jun 14  8:27 2022           Quant Results File: 82605C.RES

Quant Method : C:\HPCHEM\1...\82605C.M (RTE Integrator)
Title        : EPA Method  8260C/D
Last Update  : Tue Jun 14 08:18:30 2022
Response via : Initial Calibration
DataAcq Meth : 82605

 Internal Standards                R.T. QIon  Response  Conc Units Dev(Min)
 --------------------------------------------------------------------------
   1) Pentafluorobenzene IS#1      6.79  137    40795    10.00 ug/L   -0.01
  26) 1,4-Difluorobenzene  IS#2    7.56   63    76751    10.00 ug/L   -0.01
  41) Chlorobenzene d5 IS#3        9.76  119   101657    10.00 ug/L    0.00

 System Monitoring Compounds
  23) 1,2-dichloroethane d4 SMC    7.11   65    65316     9.31 ug/L   -0.01
   Spiked Amount     10.000   Range  75 - 125    Recovery   =   93.10%
  33) Toluene d8 SMC#2             8.75   98   457486    10.27 ug/L   -0.01
   Spiked Amount     10.000   Range  80 - 120    Recovery   =  102.70%
  51) Bromofluorobenzene SMC#3    10.48   95   141346     9.90 ug/L   -0.01
   Spiked Amount     10.000   Range  80 - 120    Recovery   =   99.00%

 Target Compounds                                                  Qvalue
   2) Dichlorodifluoromethane      1.86   85   340642    24.78 ug/L      99
   3) Chlorodifluoromethane        1.88   51   258883    22.44 ug/L      95
   4) Chloromethane                2.06   50   277604    22.69 ug/L      99
   5) Vinyl chloride               2.20   62   262326    23.17 ug/L     100
   6) Bromomethane                 2.59   94   218536    22.64 ug/L     100
   7) Chloroethane                 2.72   64   253518    22.77 ug/L     100
   8) Dichlorofluoromethane        3.01   67   496440    22.35 ug/L     100
   9) Trichlorofluoromethane       3.05  101   461153    24.01 ug/L     100
  10) 1,1,2-Trichloro-1,2,2-trif   3.74  101   305627    25.24 ug/L     100
  11) 1,1-Dichloroethene           3.72   61   419625    21.57 ug/L      99
  12) Methylene chloride           4.37   84   275796    23.59 ug/L      98
  13) MTBE                         4.71   73   391422    20.28 ug/L     100
  14) T-1,2-dichloroethene         4.72   96   330663    21.77 ug/L      99
  15) 1,1-Dichloroethane           5.29   63   554394    22.56 ug/L      99
  16) 2,2-Dichloropropane          6.11   77   459201    22.75 ug/L      95
  17) Cis-1,2-dichloroethene       6.11   96   337255    21.62 ug/L      99
  18) Bromochloromethane           6.42  128   108357    22.49 ug/L      99
  19) Chloroform                   6.56   83   486421    22.19 ug/L      99
  20) 1,1,1-Trichloroethane        6.75   97   473276    22.87 ug/L      89
  21) 1,1-Dichloropropene          6.93   75   420595    23.31 ug/L     100
  22) Carbon tetrachloride         6.92  119   355724    22.92 ug/L      99
  24) 1,2-Dichloroethane           7.19   62   196671    22.43 ug/L      99
  25) Benzene                      7.14   78  1252669    22.66 ug/L      98
  27) Trichloroethene              7.77  130   336977    24.48 ug/L      99
  28) 1,2-Dichloropropane          8.00   63   281637    23.19 ug/L      99
  29) Dibromomethane               8.07   93    94764    23.29 ug/L      99
  30) Bromodichloromethane         8.21   83   296691    23.11 ug/L      99
  31) 2-ceve                       8.43   63   304560    89.11 ug/L      98
  32) Cis-1,3-dichloropropene      8.56   75   375171    23.11 ug/L      99
  34) Toluene                      8.81   92   798164    23.98 ug/L      95
  35) Trans-1,3-dichloropropene    8.97   75   262354    23.01 ug/L      98
  36) 1,1,2-Trichloroethane        9.11   97   149561    23.07 ug/L      99
  37) Tetrachloroethene (PCE)      9.18  166   362928    24.36 ug/L      99
  38) 1,3-Dichloropropane          9.23   76   237100    23.28 ug/L      99
  39) Dibromochloromethane         9.37  129   167149    23.81 ug/L      99
  40) 1,2-Dibromoethane            9.46  107   129720    24.45 ug/L      99
  42) Chlorobenzene                9.77  112   773756    23.09 ug/L      97
  43) 1,1,1,2-Tetrachloroethane    9.83  131   244603    22.26 ug/L      99
  44) Ethylbenzene                 9.83  106   470514    22.86 ug/L      90
  45) P+m-Xylene                   9.91  106  1083439    45.13 ug/L      91
  46) O-Xylene                    10.15  106   534775    22.99 ug/L      95
  47) Styrene                     10.16  104   813020    23.34 ug/L      96
  48) Bromoform                   10.29  173    87107    25.19 ug/L      98
  49) Isopropylbenzene            10.36  105  1366383    23.11 ug/L      95
  50) 1,1,2,2-Tetrachloroethane   10.54   83   142560    23.40 ug/L      99
 --------------------------------------------------------------------------
 (#) = qualifier out of range (m) = manual integration
 10JUN17.D  82605C.M      Tue Jun 14 08:27:15 2022                                Page 1
```

```
                             Quantitation Report    (QT Reviewed)

Data File : D:\DATA\JUN2022C\JUN10\10JUN17.D             Vial: 17
Acq On    : 10 Jun 2022   1:35 pm                    Operator: MGC
Sample    : 2210844-ICV1                             Inst    : MS-V5
Misc      : 1 ;2F10014;25ML                          Multiplr: 1.00
MS Integration Params: rteint.p
 Quant Time: Jun 14  8:27 2022            Quant Results File: 82605C.RES

Quant Method : C:\HPCHEM\1...\82605C.M (RTE Integrator)
Title        : EPA Method  8260C/D
Last Update  : Tue Jun 14 08:18:30 2022
Response via : Initial Calibration
DataAcq Meth : 82605


      Compound                     R.T. QIon  Response  Conc Unit   Qvalue
 -------------------------------------------------------------------------
  52) 1,2,3-Trichloropropane      10.58  110    33054    21.90 ug/L      98
  53) n-propylbenzene             10.61   91  1541699    24.46 ug/L      95
  54) bromobenzene                10.57  156   293528    23.92 ug/L      99
  55) 1,3,5-trimethylbenzene      10.71  105  1035871    22.23 ug/L      97
  56) 2-chlorotoluene             10.68   91  1015687    22.87 ug/L      99
  57) 4-chlorotoluene             10.74   91   871030    22.29 ug/L      97
  58) tert-butylbenzene           10.90  119  1098595    23.23 ug/L      97
  59) 1,2,4-trimethylbenzene      10.93  105   995797    22.19 ug/L      96
  60) sec-butylbenzene            11.02  105  1427110    22.49 ug/L      94
  61) 4-isopropyltoluene          11.10  119  1091980    23.17 ug/L      96
  62) 1,3-Dichlorobenzene         11.11  146   532961    23.40 ug/L      98
  63) 1,4-Dichlorobenzene         11.16  146   517784    22.83 ug/L      99
  64) n-butylbenzene              11.33   91  1005947    23.01 ug/L      96
  65) 1,2-Dichlorobenzene         11.37  146   444644    23.03 ug/L      99
  66) Hexachloroethane            11.53  117   228403    23.43 ug/L      98
  67) 1,2-dibromo-3-chloropropan  11.79   75    15897    22.80 ug/L      96
  68) 1,2,4-trichlorobenzene      12.24  180   280285    24.04 ug/L     100
  69) hexachlorobutadiene         12.30  225   223740    25.58 ug/L      99
  70) naphthalene                 12.39  128   320828    22.58 ug/L     100
  71) 1,2,3-trichlorobenzene      12.51  180   226853    24.30 ug/L      99

 -------------------------------------------------------------------------
 (#) = qualifier out of range (m) = manual integration
```

Quantitation Report

```
Data File : D:\DATA\JUN2022C\JUN10\10JUN17.D           Vial: 17
Acq On    : 10 Jun 2022   1:35 pm                   Operator: MGC
Sample    : 2210844-ICV1                            Inst    : MS-V5
Misc      : 1 ;2F10014;25ML                         Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jun 14  8:27 2022            Quant Results File: 82605C.RES

Method       : C:\HPCHEM\1\METHODS\C\202206\10-1156\82605C.M (RTE Integrator)
Title        : EPA Method  8260C/D
Last Update  : Tue Jun 14 08:18:30 2022
Response via : Initial Calibration
```

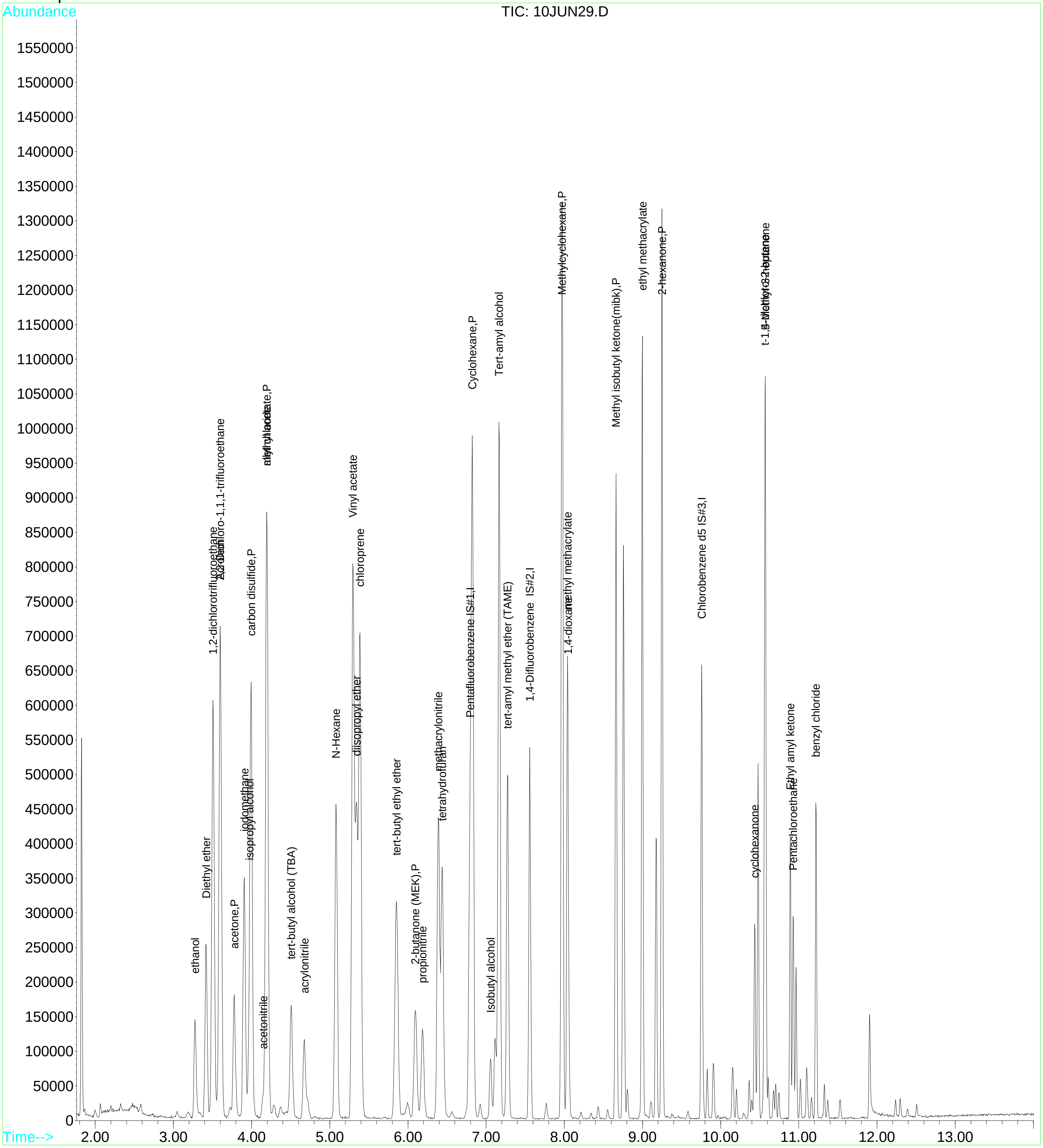


10JUN17.D 82605C.M   Tue Jun 14 08:27:15 2022

```
                             Quantitation Report    (QT Reviewed)

Data File : D:\DATA\JUN2022C\JUN10\10JUN29.D            Vial: 29
Acq On    : 10 Jun 2022   6:36 pm                   Operator: MGC
Sample    : 2210844-ICV2                            Inst    : MS-V5
Misc      : 1 ;2F10021;25ML                         Multiplr: 1.00
MS Integration Params: rteint.p
 Quant Time: Jun 14  8:50 2022            Quant Results File: 82605CX.RES

Quant Method : C:\HPCHEM\1...\82605CX.M (RTE Integrator)
Title        : EPA Method 8260C/DX
Last Update  : Tue Jun 14 08:47:02 2022
Response via : Initial Calibration
DataAcq Meth : 82605

 Internal Standards                R.T. QIon  Response  Conc Units Dev(Min)
 -------------------------------------------------------------------------
   1) Pentafluorobenzene IS#1      6.79  137    41725    10.00 ug/L   -0.02
  29) 1,4-Difluorobenzene  IS#2    7.56   63    77034    10.00 ug/L   -0.01
  36) Chlorobenzene d5 IS#3        9.76  119   105937    10.00 ug/L   -0.01

 Target Compounds                                                    Qvalue
   2) ethanol                      3.28   45   167795  4072.51 ug/L      99
   3) 2,2-Dichloro-1,1,1-trifluo   3.60   83   478194    25.01 ug/L      98
   4) 1,2-dichlorotrifluoroethan   3.51   67   394804    24.60 ug/L      97
   5) Diethyl ether                3.42   59   156317    25.76 ug/L      99
   6) isopropyl alcohol            3.97   45   165773   810.63 ug/L      89
   7) Acrolein                     3.60   56   107985   181.25 ug/L      94
   8) acetone                      3.78   43   249355   288.15 ug/L      99
   9) tert-butyl alcohol (TBA)     4.51   59   249367   811.63 ug/L     100
  10) acetonitrile                 4.14   41    62926   154.21 ug/L #   100
  11) methyl acetate               4.19   43   679578   239.53 ug/L      97
  12) allyl chloride               4.20   41   609924    25.70 ug/L      99
  13) iodomethane                  3.91  142   482213    29.29 ug/L      98
  14) acrylonitrile                4.67   53   115282    78.52 ug/L      98
  15) carbon disulfide             3.99   76  1047804    27.20 ug/L      98
  16) N-Hexane                     5.08   57   289751    23.77 ug/L     100
  17) diisopropyl ether            5.34   87   151957    15.40 ug/L      94
  18) Vinyl acetate                5.29   43  1651943   146.35 ug/L      99
  19) chloroprene                  5.39   53   561410    27.35 ug/L     100
  20) tert-butyl ethyl ether       5.85   59   412057    15.48 ug/L      99
  21) 2-butanone (MEK)             6.09   43   236241   149.74 ug/L      99
  22) propionitrile                6.19   54   200466   393.26 ug/L      98
  23) Isobutyl alcohol             7.06   43    63036   370.45 ug/L      98
  24) methacrylonitrile            6.39   67   278376   155.99 ug/L      99
  25) Tert-amyl alcohol            7.16   59   685885  2578.75 ug/L      97
  26) tetrahydrofuran              6.44   42   319766   311.23 ug/L     100
  27) Cyclohexane                  6.83   56   563114    26.06 ug/L      99
  28) tert-amyl methyl ether (TA   7.27   73   324379    15.28 ug/L      99
  30) methyl methacrylate          8.04   69   248475    79.83 ug/L      98
  31) Methylcyclohexane            7.97   55   397112    25.47 ug/L      97
  32) 1,4-dioxane                  8.05   88    77468  2215.73 ug/L      98
  33) Methyl isobutyl ketone(mib   8.66   43   532676   159.71 ug/L      96
  34) ethyl methacrylate           9.00   69   540977    80.08 ug/L      98
  35) 2-hexanone                   9.25   43   681564   319.13 ug/L      98
  37) 5-Methyl-3-heptanone        10.57   43   177263    48.30 ug/L      99
  38) cyclohexanone               10.43   55   103717   352.53 ug/L     100
  39) t-1,4-dichloro-2-butene     10.56   75   142849    71.24 ug/L      96
  40) Ethyl amyl ketone           10.89   57    80387    23.26 ug/L      99
  41) Pentachloroethane           10.93  167    43014    10.67 ug/L      99
  42) benzyl chloride             11.22   91   291845    27.02 ug/L      97

 -------------------------------------------------------------------------
 (#) = qualifier out of range (m) = manual integration
 10JUN29.D  82605CX.M      Tue Jun 14 08:50:40 2022                          Page 1
```

Quantitation Report

```
Data File : D:\DATA\JUN2022C\JUN10\10JUN29.D            Vial: 29
Acq On    : 10 Jun 2022   6:36 pm                   Operator: MGC
Sample    : 2210844-ICV2                            Inst    : MS-V5
Misc      : 1 ;2F10021;25ML                         Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jun 14  8:50 2022             Quant Results File: 82605CX.RES

Method      : C:\HPCHEM\1\METHODS\C\202206\10-1632\82605CX.M (RTE Integrator)
Title       : EPA Method 8260C/DX
Last Update : Tue Jun 14 08:47:02 2022
Response via : Initial Calibration
```

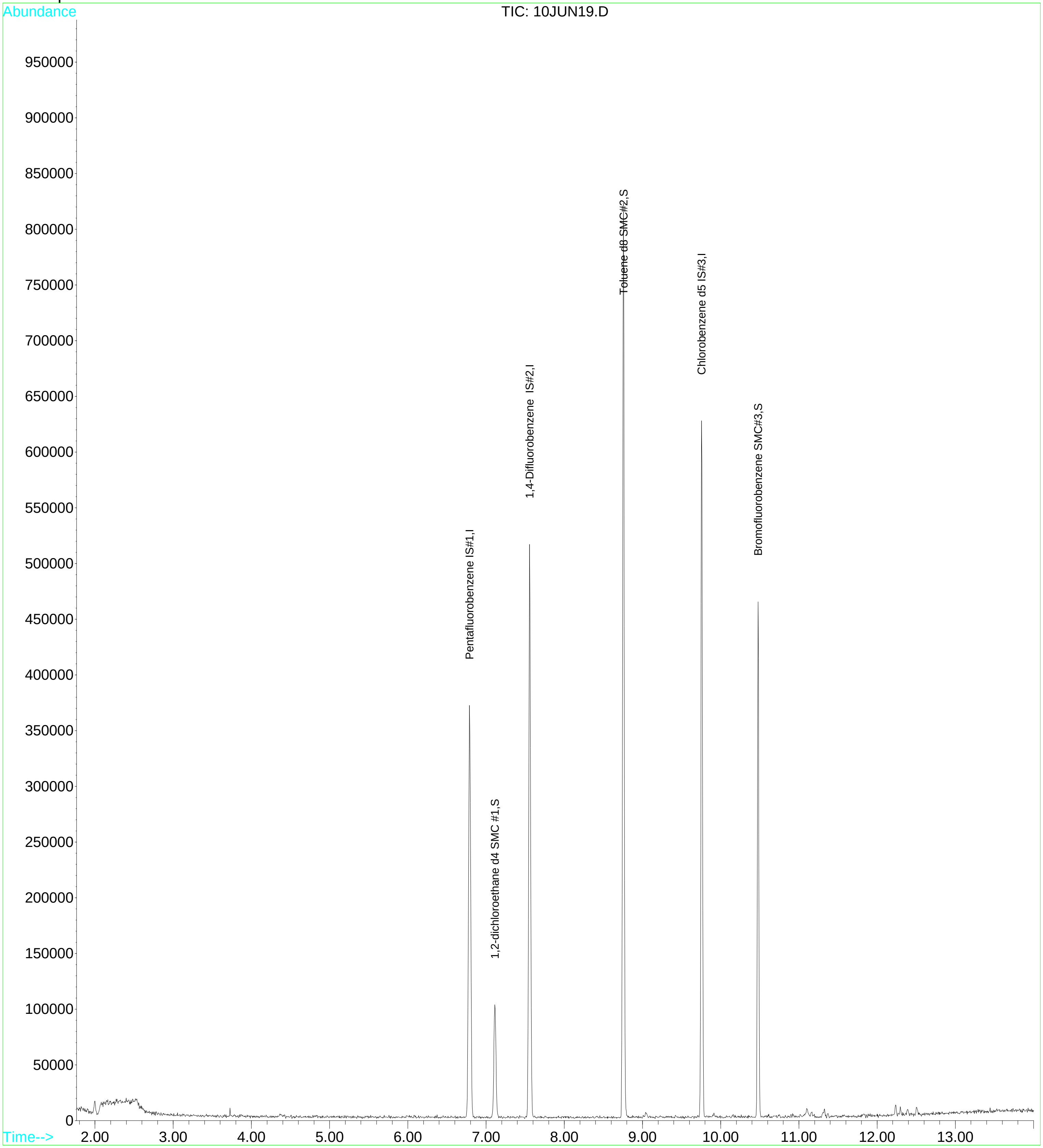


Raw Data - ICB

```
                             Quantitation Report    (QT Reviewed)

Data File : D:\DATA\JUN2022C\JUN10\10JUN19.D             Vial: 19
Acq On    : 10 Jun 2022   2:28 pm                    Operator: MGC
Sample    : 2210844-ICB1                             Inst    : MS-V5
Misc      : 1 ;2E09046;25ML                          Multiplr: 1.00
MS Integration Params: rteint.p
 Quant Time: Jun 14  8:30 2022              Quant Results File: 82605C.RES

Quant Method : C:\HPCHEM\1...\82605C.M (RTE Integrator)
Title        : EPA Method  8260C/D
Last Update  : Tue Jun 14 08:18:30 2022
Response via : Initial Calibration
DataAcq Meth : 82605

 Internal Standards                R.T. QIon  Response  Conc Units Dev(Min)
 -------------------------------------------------------------------------
   1) Pentafluorobenzene IS#1      6.79  137    41676    10.00 ug/L   -0.02
  26) 1,4-Difluorobenzene  IS#2    7.56   63    75702    10.00 ug/L   -0.01
  41) Chlorobenzene d5 IS#3        9.75  119    98555    10.00 ug/L   -0.01

 System Monitoring Compounds
  23) 1,2-dichloroethane d4 SMC    7.11   65    66384     9.26 ug/L   -0.01
   Spiked Amount     10.000   Range  75 - 125    Recovery   =   92.60%
  33) Toluene d8 SMC#2             8.76   98   454231    10.34 ug/L   -0.01
   Spiked Amount     10.000   Range  80 - 120    Recovery   =  103.40%
  51) Bromofluorobenzene SMC#3    10.48   95   135712     9.80 ug/L   -0.01
   Spiked Amount     10.000   Range  80 - 120    Recovery   =   98.00%

 Target Compounds                                                   Qvalue

 -------------------------------------------------------------------------
 (#) = qualifier out of range (m) = manual integration
 10JUN19.D  82605C.M      Tue Jun 14 08:31:04 2022                                         Page 1
```

Quantitation Report

```
Data File : D:\DATA\JUN2022C\JUN10\10JUN19.D           Vial: 19
Acq On    : 10 Jun 2022   2:28 pm                   Operator: MGC
Sample    : 2210844-ICB1                            Inst    : MS-V5
Misc      : 1 ;2E09046;25ML                         Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jun 14  8:30 2022            Quant Results File: 82605C.RES

Method       : C:\HPCHEM\1\METHODS\C\202206\10-1156\82605C.M (RTE Integrator)
Title        : EPA Method  8260C/D
Last Update  : Tue Jun 14 08:18:30 2022
Response via : Initial Calibration
```

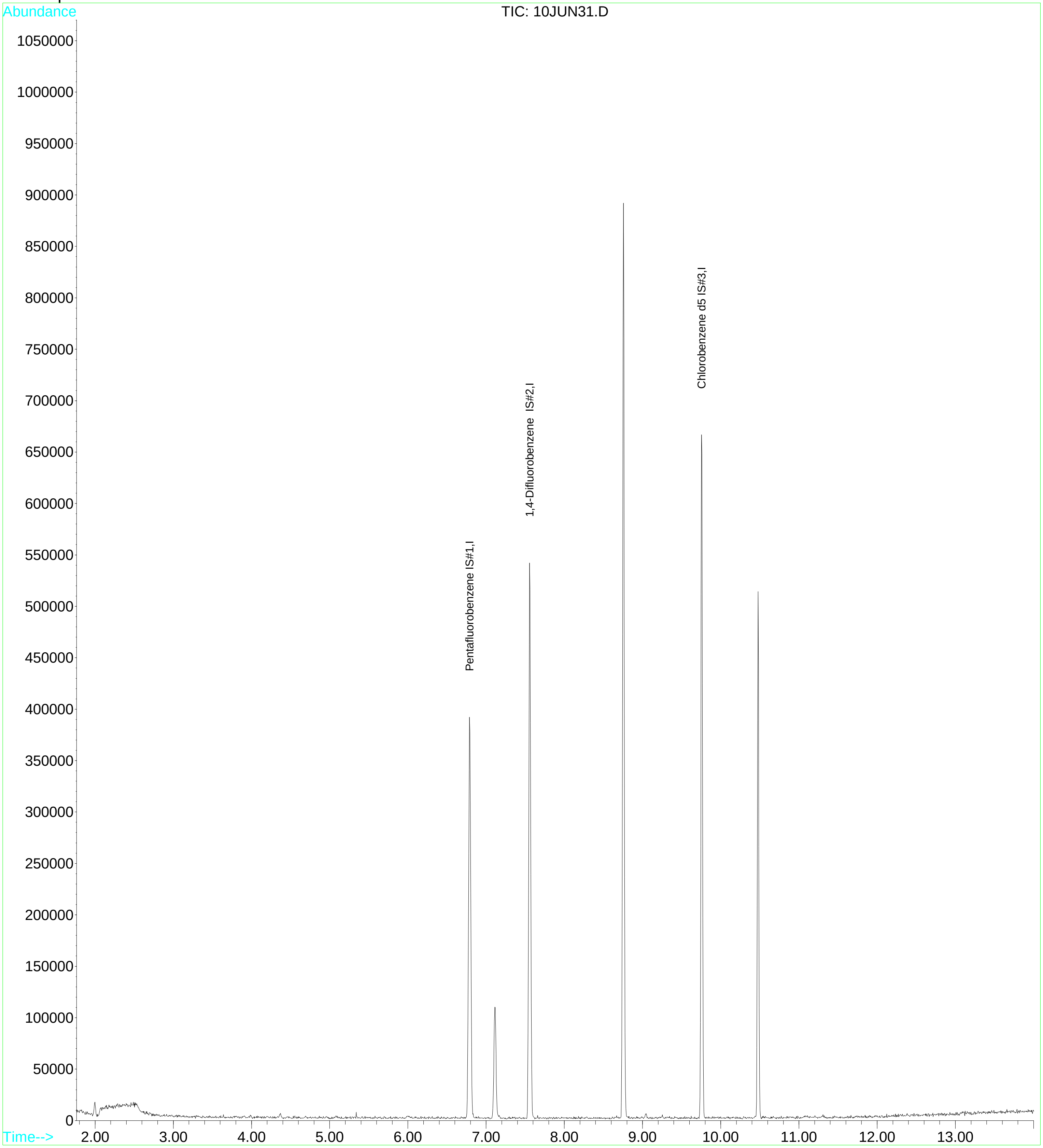


```
                              Quantitation Report    (QT Reviewed)

Data File : D:\DATA\JUN2022C\JUN10\10JUN31.D            Vial: 31
Acq On    : 10 Jun 2022   7:26 pm                   Operator: MGC
Sample    : 2210844-ICB2                            Inst    : MS-V5
Misc      : 1 ;2E09046;25ML                         Multiplr: 1.00
MS Integration Params: rteint.p
 Quant Time: Jun 14  8:54 2022             Quant Results File: 82605CX.RES

Quant Method : C:\HPCHEM\1...\82605CX.M (RTE Integrator)
Title        : EPA Method 8260C/DX
Last Update  : Tue Jun 14 08:47:02 2022
Response via : Initial Calibration
DataAcq Meth : 82605

 Internal Standards                R.T. QIon  Response  Conc Units Dev(Min)
-------------------------------------------------------------------------
  1) Pentafluorobenzene IS#1      6.79  137     43767    10.00 ug/L   -0.02
 29) 1,4-Difluorobenzene  IS#2    7.56   63     82694    10.00 ug/L   -0.01
 36) Chlorobenzene d5 IS#3        9.75  119    106813    10.00 ug/L   -0.01

 Target Compounds                                                  Qvalue
```

```
 -------------------------------------------------------------------------
 (#) = qualifier out of range (m) = manual integration
```

Quantitation Report

```
Data File : D:\DATA\JUN2022C\JUN10\10JUN31.D            Vial: 31
Acq On    : 10 Jun 2022   7:26 pm                   Operator: MGC
Sample    : 2210844-ICB2                            Inst    : MS-V5
Misc      : 1 ;2E09046;25ML                         Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jun 14  8:54 2022             Quant Results File: 82605CX.RES

Method       : C:\HPCHEM\1\METHODS\C\202206\10-1632\82605CX.M (RTE Integrator)
Title        : EPA Method 8260C/DX
Last Update  : Tue Jun 14 08:47:02 2022
Response via : Initial Calibration
```



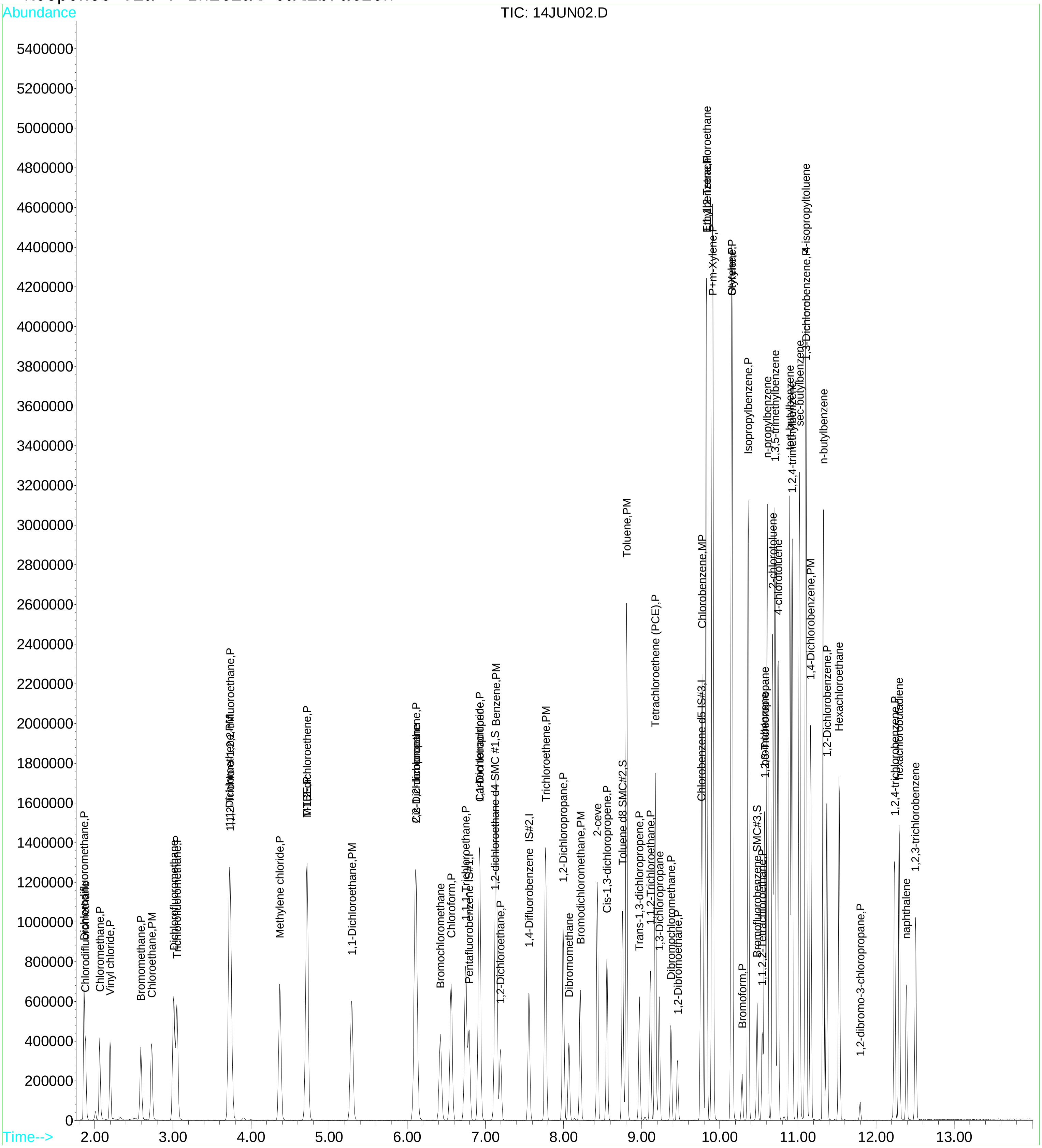
Raw Data - CCV

```
                              Quantitation Report    (QT Reviewed)

Data File : D:\DATA\JUN2022C\JUN14\14JUN02.D             Vial: 2
Acq On    : 14 Jun 2022   5:38 am                    Operator: MGC
Sample    : 2211065-CCV1                             Inst    : MS-V5
Misc      : 1 ;2F06039;25ML                          Multiplr: 1.00
MS Integration Params: rteint.p
 Quant Time: Jun 15  5:42 2022          Quant Results File: 82605C.RES

Quant Method : C:\HPCHEM\1...\82605C.M (RTE Integrator)
Title        : EPA Method  8260C/D
Last Update  : Tue Jun 14 08:18:30 2022
Response via : Initial Calibration
DataAcq Meth : 82605

 Internal Standards                R.T. QIon  Response  Conc Units Dev(Min)
-------------------------------------------------------------------------
   1) Pentafluorobenzene IS#1      6.79  137    49352    10.00 ug/L   -0.01
  26) 1,4-Difluorobenzene  IS#2    7.56   63   101494    10.00 ug/L    0.00
  41) Chlorobenzene d5 IS#3        9.76  119   127969    10.00 ug/L    0.00

 System Monitoring Compounds
  23) 1,2-dichloroethane d4 SMC    7.12   65    82692     9.74 ug/L    0.00
   Spiked Amount     10.000   Range  75 - 125    Recovery   =   97.40%
  33) Toluene d8 SMC#2             8.75   98   593484    10.08 ug/L   -0.01
   Spiked Amount     10.000   Range  80 - 120    Recovery   =  100.80%
  51) Bromofluorobenzene SMC#3    10.48   95   174676     9.72 ug/L   -0.01
   Spiked Amount     10.000   Range  80 - 120    Recovery   =   97.20%

 Target Compounds                                                 Qvalue
   2) Dichlorodifluoromethane      1.86   85   435188    26.17 ug/L      99
   3) Chlorodifluoromethane        1.88   51   332095    23.79 ug/L      95
   4) Chloromethane                2.06   50   315245    21.30 ug/L     100
   5) Vinyl chloride               2.20   62   315673    23.05 ug/L     100
   6) Bromomethane                 2.59   94   229061    19.62 ug/L      97
   7) Chloroethane                 2.73   64   349865    25.98 ug/L     100
   8) Dichlorofluoromethane        3.01   67   672308    25.02 ug/L      98
   9) Trichlorofluoromethane       3.05  101   552604    23.79 ug/L      99
  10) 1,1,2-Trichloro-1,2,2-trif   3.74  101   403928    27.57 ug/L      95
  11) 1,1-Dichloroethene           3.72   61   599894    25.49 ug/L      99
  12) Methylene chloride           4.37   84   386665    27.39 ug/L      99
  13) MTBE                         4.71   73   528406    22.63 ug/L      99
  14) T-1,2-dichloroethene         4.72   96   466222    25.37 ug/L      99
  15) 1,1-Dichloroethane           5.29   63   768984    25.86 ug/L      99
  16) 2,2-Dichloropropane          6.11   77   597894    24.49 ug/L      97
  17) Cis-1,2-dichloroethene       6.11   96   471497    24.99 ug/L      99
  18) Bromochloromethane           6.42  128   145149    24.90 ug/L      96
  19) Chloroform                   6.56   83   649906    24.50 ug/L     100
  20) 1,1,1-Trichloroethane        6.75   97   579400    23.14 ug/L      88
  21) 1,1-Dichloropropene          6.93   75   555938    25.47 ug/L     100
  22) Carbon tetrachloride         6.92  119   410918    21.89 ug/L      99
  24) 1,2-Dichloroethane           7.20   62   254850    24.02 ug/L      99
  25) Benzene                      7.14   78  1686536    25.22 ug/L      99
  27) Trichloroethene              7.77  130   430141    23.63 ug/L      98
  28) 1,2-Dichloropropane          8.00   63   398527    24.81 ug/L      97
  29) Dibromomethane               8.07   93   129839    24.13 ug/L      94
  30) Bromodichloromethane         8.22   83   392980    23.15 ug/L      99
  31) 2-ceve                       8.43   63   428525    94.82 ug/L      99
  32) Cis-1,3-dichloropropene      8.55   75   518450    24.15 ug/L      98
  34) Toluene                      8.81   92  1054996    23.97 ug/L      96
  35) Trans-1,3-dichloropropene    8.97   75   349355    23.17 ug/L      98
  36) 1,1,2-Trichloroethane        9.11   97   206420    24.08 ug/L      99
  37) Tetrachloroethene (PCE)      9.17  166   442868    22.47 ug/L      97
  38) 1,3-Dichloropropane          9.23   76   336327    24.97 ug/L      99
  39) Dibromochloromethane         9.37  129   208982    22.51 ug/L      98
  40) 1,2-Dibromoethane            9.46  107   177220    25.26 ug/L      98
  42) Chlorobenzene                9.77  112   994649    23.58 ug/L      98
  43) 1,1,1,2-Tetrachloroethane    9.83  131   302611    21.88 ug/L      98
  44) Ethylbenzene                 9.83  106   621915    24.00 ug/L      94
  45) P+m-Xylene                   9.91  106  1404626    46.48 ug/L      97
  46) O-Xylene                    10.15  106   701226    23.95 ug/L      97
  47) Styrene                     10.16  104  1037109    23.65 ug/L      97
  48) Bromoform                   10.29  173    93337    21.44 ug/L      98
  49) Isopropylbenzene            10.36  105  1643294    22.08 ug/L      97
  50) 1,1,2,2-Tetrachloroethane   10.54   83   196925    25.67 ug/L     100
-------------------------------------------------------------------------
 (#) = qualifier out of range (m) = manual integration
 14JUN02.D  82605C.M      Wed Jun 15 05:43:07 2022                                Page 1
```

```
                             Quantitation Report    (QT Reviewed)

Data File : D:\DATA\JUN2022C\JUN14\14JUN02.D             Vial: 2
Acq On    : 14 Jun 2022   5:38 am                    Operator: MGC
Sample    : 2211065-CCV1                             Inst    : MS-V5
Misc      : 1 ;2F06039;25ML                          Multiplr: 1.00
MS Integration Params: rteint.p
 Quant Time: Jun 15  5:42 2022              Quant Results File: 82605C.RES

Quant Method : C:\HPCHEM\1...\82605C.M (RTE Integrator)
Title        : EPA Method  8260C/D
Last Update  : Tue Jun 14 08:18:30 2022
Response via : Initial Calibration
DataAcq Meth : 82605


      Compound                     R.T. QIon  Response  Conc Unit   Qvalue
 -------------------------------------------------------------------------
  52) 1,2,3-Trichloropropane      10.58  110     45193    23.79 ug/L      99
  53) n-propylbenzene             10.61   91   1912260    24.03 ug/L      96
  54) bromobenzene                10.57  156    355952    23.04 ug/L      94
  55) 1,3,5-trimethylbenzene      10.71  105   1326662    22.62 ug/L      97
  56) 2-chlorotoluene             10.68   91   1288324    23.05 ug/L      98
  57) 4-chlorotoluene             10.75   91   1149595    23.37 ug/L      97
  58) tert-butylbenzene           10.90  119   1378260    23.15 ug/L      98
  59) 1,2,4-trimethylbenzene      10.93  105   1300171    23.01 ug/L      98
  60) sec-butylbenzene            11.02  105   1800957    22.55 ug/L      95
  61) 4-isopropyltoluene          11.10  119   1343748    22.65 ug/L      97
  62) 1,3-Dichlorobenzene         11.11  146    669834    23.36 ug/L      99
  63) 1,4-Dichlorobenzene         11.16  146    674219    23.62 ug/L      99
  64) n-butylbenzene              11.33   91   1328366    24.13 ug/L      97
  65) 1,2-Dichlorobenzene         11.37  146    583138    23.99 ug/L     100
  66) Hexachloroethane            11.53  117    267648    21.81 ug/L      90
  67) 1,2-dibromo-3-chloropropan  11.79   75     20117    22.92 ug/L      91
  68) 1,2,4-trichlorobenzene      12.24  180    355195    24.20 ug/L     100
  69) hexachlorobutadiene         12.30  225    259553    23.58 ug/L      98
  70) naphthalene                 12.39  128    449368    25.12 ug/L     100
  71) 1,2,3-trichlorobenzene      12.51  180    283042    24.08 ug/L     100

 -------------------------------------------------------------------------
 (#) = qualifier out of range (m) = manual integration
```

Quantitation Report

```
Data File : D:\DATA\JUN2022C\JUN14\14JUN02.D          Vial: 2
Acq On    : 14 Jun 2022   5:38 am                  Operator: MGC
Sample    : 2211065-CCV1                           Inst    : MS-V5
Misc      : 1 ;2F06039;25ML                        Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jun 15  5:42 2022           Quant Results File: 82605C.RES

Method       : C:\HPCHEM\1\METHODS\C\202206\10-1156\82605C.M (RTE Integrator)
Title        : EPA Method  8260C/D
Last Update  : Tue Jun 14 08:18:30 2022
Response via : Initial Calibration
```

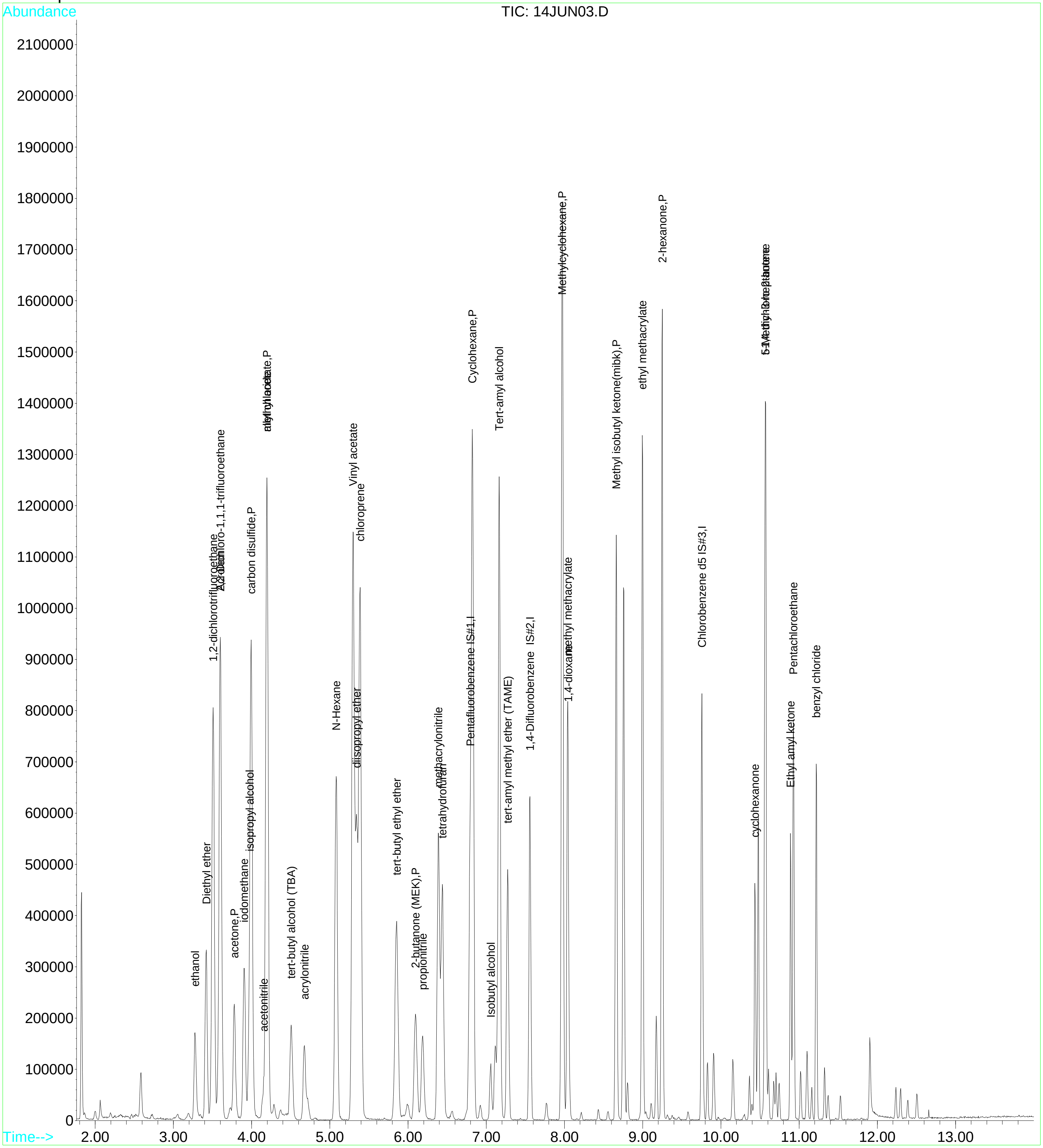


14JUN02.D 82605C.M   Wed Jun 15 05:43:08 2022

```
                              Quantitation Report    (QT Reviewed)

Data File : D:\DATA\JUN2022C\JUN14\14JUN03.D            Vial: 3
Acq On    : 14 Jun 2022   6:02 am                   Operator: MGC
Sample    : 2211065-CCV2                            Inst    : MS-V5
Misc      : 1 ;2F13018;25ML                         Multiplr: 1.00
MS Integration Params: rteint.p
 Quant Time: Jun 15  5:43 2022           Quant Results File: 82605CX.RES

Quant Method : C:\HPCHEM\1...\82605CX.M (RTE Integrator)
Title        : EPA Method 8260C/DX
Last Update  : Tue Jun 14 08:47:02 2022
Response via : Initial Calibration
DataAcq Meth : 82605

 Internal Standards                R.T. QIon  Response  Conc Units Dev(Min)
---------------------------------------------------------------------------
  1) Pentafluorobenzene IS#1       6.79  137     49451    10.00 ug/L   -0.02
 29) 1,4-Difluorobenzene  IS#2     7.55   63     95828    10.00 ug/L   -0.02
 36) Chlorobenzene d5 IS#3         9.76  119    130122    10.00 ug/L   -0.01

 Target Compounds                                                     Qvalue
  2) ethanol                       3.28   45    210108  4302.76 ug/L      99
  3) 2,2-Dichloro-1,1,1-trifluo    3.60   83    636249    28.07 ug/L      98
  4) 1,2-dichlorotrifluoroethan    3.51   67    541061    28.45 ug/L      94
  5) Diethyl ether                 3.42   59    198836    27.65 ug/L      97
  6) isopropyl alcohol             3.97   45    204958   845.66 ug/L      96
  7) Acrolein                      3.60   56    169601   240.20 ug/L      90
  8) acetone                       3.78   43    323306   315.23 ug/L     100
  9) tert-butyl alcohol (TBA)      4.51   59    288729   792.92 ug/L     100
 10) acetonitrile                  4.15   41     76344   157.86 ug/L #   100
 11) methyl acetate                4.19   43    905397   269.26 ug/L      96
 12) allyl chloride                4.20   41    973605    34.62 ug/L      97
 13) iodomethane                   3.91  142    421551    21.78 ug/L      96
 14) acrylonitrile                 4.68   53    146294    84.07 ug/L     100
 15) carbon disulfide              3.99   76   1586002    34.74 ug/L      98
 16) N-Hexane                      5.08   57    429876    29.76 ug/L      99
 17) diisopropyl ether             5.34   87    194128    16.61 ug/L      91
 18) Vinyl acetate                 5.30   43   2378464   177.80 ug/L      99
 19) chloroprene                   5.39   53    831716    34.19 ug/L     100
 20) tert-butyl ethyl ether        5.85   59    505598    16.02 ug/L      98
 21) 2-butanone (MEK)              6.09   43    302323   161.69 ug/L      99
 22) propionitrile                 6.19   54    255215   422.44 ug/L      98
 23) Isobutyl alcohol              7.06   43     77207   382.84 ug/L      99
 24) methacrylonitrile             6.39   67    348868   164.95 ug/L      97
 25) Tert-amyl alcohol             7.17   59    829749  2632.24 ug/L      96
 26) tetrahydrofuran               6.44   42    412947   339.13 ug/L      96
 27) Cyclohexane                   6.82   56    767577    29.98 ug/L      98
 28) tert-amyl methyl ether (TA    7.27   73    391249    15.55 ug/L      96
 30) methyl methacrylate           8.04   69    313877    81.07 ug/L      98
 31) Methylcyclohexane             7.97   55    542628    27.98 ug/L      98
 32) 1,4-dioxane                   8.05   88     90442  2079.48 ug/L      99
 33) Methyl isobutyl ketone(mib    8.66   43    661308   159.39 ug/L      96
 34) ethyl methacrylate            8.99   69    655867    78.04 ug/L      97
 35) 2-hexanone                    9.25   43    858630   323.19 ug/L      96
 37) 5-Methyl-3-heptanone         10.57   43    233432    51.79 ug/L      98
 38) cyclohexanone                10.43   55    168627   466.63 ug/L      97
 39) t-1,4-dichloro-2-butene      10.56   75    192503    78.16 ug/L      97
 40) Ethyl amyl ketone            10.89   57    109504    25.80 ug/L      97
 41) Pentachloroethane            10.93  167    109014    22.02 ug/L      98
 42) benzyl chloride              11.22   91    425962    32.10 ug/L      98

---------------------------------------------------------------------------
(#) = qualifier out of range (m) = manual integration
```

Quantitation Report

```
Data File : D:\DATA\JUN2022C\JUN14\14JUN03.D              Vial: 3
Acq On    : 14 Jun 2022   6:02 am                     Operator: MGC
Sample    : 2211065-CCV2                              Inst    : MS-V5
Misc      : 1 ;2F13018;25ML                           Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jun 15  5:43 2022            Quant Results File: 82605CX.RES

Method       : C:\HPCHEM\1\METHODS\C\202206\10-1632\82605CX.M (RTE Integrator)
Title        : EPA Method 8260C/DX
Last Update  : Tue Jun 14 08:47:02 2022
Response via : Initial Calibration
```



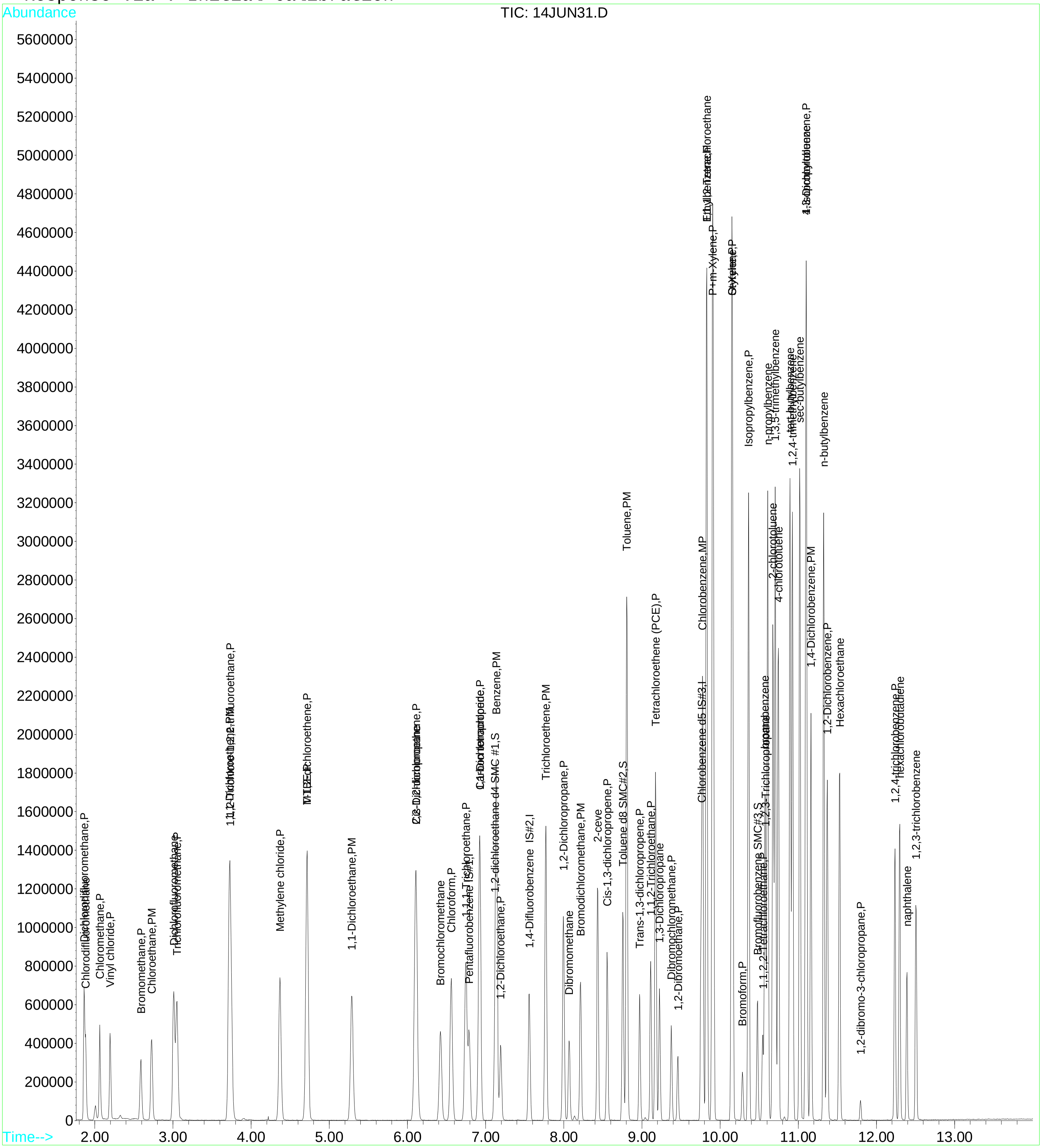
14JUN03.D 82605CX.M   Wed Jun 15 05:43:36 2022

```
                              Quantitation Report    (QT Reviewed)

Data File : D:\DATA\JUN2022C\JUN14\14JUN31.D             Vial: 31
Acq On    : 14 Jun 2022   5:30 pm                    Operator: MGC
Sample    : 2211065-CCV3                             Inst    : MS-V5
Misc      : 1 ;2F06039;25ML                          Multiplr: 1.00
MS Integration Params: rteint.p
 Quant Time: Jun 15  6:38 2022           Quant Results File: 82605C.RES

Quant Method : C:\HPCHEM\1...\82605C.M (RTE Integrator)
Title        : EPA Method  8260C/D
Last Update  : Tue Jun 14 08:18:30 2022
Response via : Initial Calibration
DataAcq Meth : 82605

 Internal Standards                R.T. QIon  Response  Conc Units Dev(Min)
-------------------------------------------------------------------------
  1) Pentafluorobenzene IS#1      6.79  137     50319    10.00 ug/L   -0.02
 26) 1,4-Difluorobenzene  IS#2    7.55   63    105321    10.00 ug/L   -0.02
 41) Chlorobenzene d5 IS#3        9.76  119    131486    10.00 ug/L   -0.01

 System Monitoring Compounds
 23) 1,2-dichloroethane d4 SMC    7.11   65     87155    10.07 ug/L   -0.01
  Spiked Amount     10.000   Range  75 - 125    Recovery   =  100.70%
 33) Toluene d8 SMC#2             8.75   98    616583    10.09 ug/L   -0.02
  Spiked Amount     10.000   Range  80 - 120    Recovery   =  100.90%
 51) Bromofluorobenzene SMC#3    10.48   95    183590     9.94 ug/L   -0.02
  Spiked Amount     10.000   Range  80 - 120    Recovery   =   99.40%

 Target Compounds                                                  Qvalue
  2) Dichlorodifluoromethane      1.86   85    450326    26.56 ug/L      99
  3) Chlorodifluoromethane        1.88   51    368102    25.87 ug/L      98
  4) Chloromethane                2.06   50    362020    23.99 ug/L      99
  5) Vinyl chloride               2.20   62    352024    25.21 ug/L      98
  6) Bromomethane                 2.59   94    199731    16.78 ug/L      98
  7) Chloroethane                 2.73   64    383227    27.91 ug/L      99
  8) Dichlorofluoromethane        3.01   67    717578    26.19 ug/L     100
  9) Trichlorofluoromethane       3.05  101    584449    24.67 ug/L      99
 10) 1,1,2-Trichloro-1,2,2-trif   3.74  101    419716    28.10 ug/L      94
 11) 1,1-Dichloroethene           3.72   61    648015    27.01 ug/L      99
 12) Methylene chloride           4.37   84    413809    28.77 ug/L      99
 13) MTBE                         4.71   73    584238    24.54 ug/L      99
 14) T-1,2-dichloroethene         4.72   96    493890    26.36 ug/L      99
 15) 1,1-Dichloroethane           5.29   63    831084    27.41 ug/L      99
 16) 2,2-Dichloropropane          6.11   77    567412    22.79 ug/L      85
 17) Cis-1,2-dichloroethene       6.10   96    499654    25.97 ug/L      99
 18) Bromochloromethane           6.42  128    154807    26.05 ug/L      92
 19) Chloroform                   6.56   83    691411    25.57 ug/L     100
 20) 1,1,1-Trichloroethane        6.75   97    610240    23.91 ug/L      88
 21) 1,1-Dichloropropene          6.93   75    590308    26.52 ug/L      99
 22) Carbon tetrachloride         6.92  119    422477    22.07 ug/L      99
 24) 1,2-Dichloroethane           7.19   62    277024    25.61 ug/L      99
 25) Benzene                      7.13   78   1797927    26.37 ug/L      99
 27) Trichloroethene              7.77  130    476911    25.24 ug/L      97
 28) 1,2-Dichloropropane          8.00   63    436499    26.19 ug/L      97
 29) Dibromomethane               8.07   93    142102    25.45 ug/L      93
 30) Bromodichloromethane         8.22   83    423323    24.03 ug/L      98
 31) 2-ceve                       8.43   63    446546    95.21 ug/L      98
 32) Cis-1,3-dichloropropene      8.55   75    548999    24.65 ug/L      97
 34) Toluene                      8.80   92   1110788    24.32 ug/L      96
 35) Trans-1,3-dichloropropene    8.97   75    367227    23.47 ug/L     100
 36) 1,1,2-Trichloroethane        9.11   97    221910    24.95 ug/L      99
 37) Tetrachloroethene (PCE)      9.17  166    458796    22.44 ug/L      98
 38) 1,3-Dichloropropane          9.23   76    361692    25.88 ug/L     100
 39) Dibromochloromethane         9.37  129    217772    22.61 ug/L      98
 40) 1,2-Dibromoethane            9.46  107    186842    25.66 ug/L      99
 42) Chlorobenzene                9.78  112   1050721    24.24 ug/L      99
 43) 1,1,1,2-Tetrachloroethane    9.83  131    317094    22.31 ug/L      99
 44) Ethylbenzene                 9.83  106    660988    24.83 ug/L      96
 45) P+m-Xylene                   9.91  106   1476828    47.56 ug/L      98
 46) O-Xylene                    10.15  106    737539    24.51 ug/L      97
 47) Styrene                     10.16  104   1097755    24.36 ug/L      98
 48) Bromoform                   10.29  173     95373    21.32 ug/L      98
 49) Isopropylbenzene            10.36  105   1723097    22.53 ug/L      98
 50) 1,1,2,2-Tetrachloroethane   10.54   83    201911    25.62 ug/L     100
-------------------------------------------------------------------------
 (#) = qualifier out of range (m) = manual integration
 14JUN31.D  82605C.M      Wed Jun 15 06:39:02 2022                                Page 1
```

```
                              Quantitation Report    (QT Reviewed)

Data File : D:\DATA\JUN2022C\JUN14\14JUN31.D            Vial: 31
Acq On    : 14 Jun 2022   5:30 pm                   Operator: MGC
Sample    : 2211065-CCV3                            Inst    : MS-V5
Misc      : 1 ;2F06039;25ML                         Multiplr: 1.00
MS Integration Params: rteint.p
 Quant Time: Jun 15  6:38 2022            Quant Results File: 82605C.RES

Quant Method : C:\HPCHEM\1...\82605C.M (RTE Integrator)
Title        : EPA Method  8260C/D
Last Update  : Tue Jun 14 08:18:30 2022
Response via : Initial Calibration
DataAcq Meth : 82605


      Compound                         R.T. QIon  Response  Conc Unit   Qvalue
 -------------------------------------------------------------------------
  52) 1,2,3-Trichloropropane      10.59  110     49749    25.49 ug/L      99
  53) n-propylbenzene             10.61   91   1998640    24.53 ug/L      96
  54) bromobenzene                10.57  156    379030    23.88 ug/L      93
  55) 1,3,5-trimethylbenzene      10.71  105   1403046    23.28 ug/L      99
  56) 2-chlorotoluene             10.68   91   1366948    23.80 ug/L      97
  57) 4-chlorotoluene             10.75   91   1206622    23.87 ug/L      97
  58) tert-butylbenzene           10.90  119   1447664    23.67 ug/L      98
  59) 1,2,4-trimethylbenzene      10.93  105   1369453    23.59 ug/L      98
  60) sec-butylbenzene            11.02  105   1873762    22.83 ug/L      96
  61) 4-isopropyltoluene          11.10  119   1387908    22.77 ug/L      97
  62) 1,3-Dichlorobenzene         11.11  146    722618    24.53 ug/L      99
  63) 1,4-Dichlorobenzene         11.16  146    717347    24.46 ug/L      99
  64) n-butylbenzene              11.33   91   1361971    24.08 ug/L      97
  65) 1,2-Dichlorobenzene         11.37  146    619697    24.81 ug/L      99
  66) Hexachloroethane            11.53  117    276905    21.96 ug/L      89
  67) 1,2-dibromo-3-chloropropan  11.80   75     21618    23.97 ug/L      97
  68) 1,2,4-trichlorobenzene      12.24  180    369715    24.52 ug/L      99
  69) hexachlorobutadiene         12.30  225    269046    23.79 ug/L      98
  70) naphthalene                 12.39  128    485836    26.43 ug/L     100
  71) 1,2,3-trichlorobenzene      12.51  180    306780    25.41 ug/L     100

 -------------------------------------------------------------------------
 (#) = qualifier out of range (m) = manual integration
```

Quantitation Report

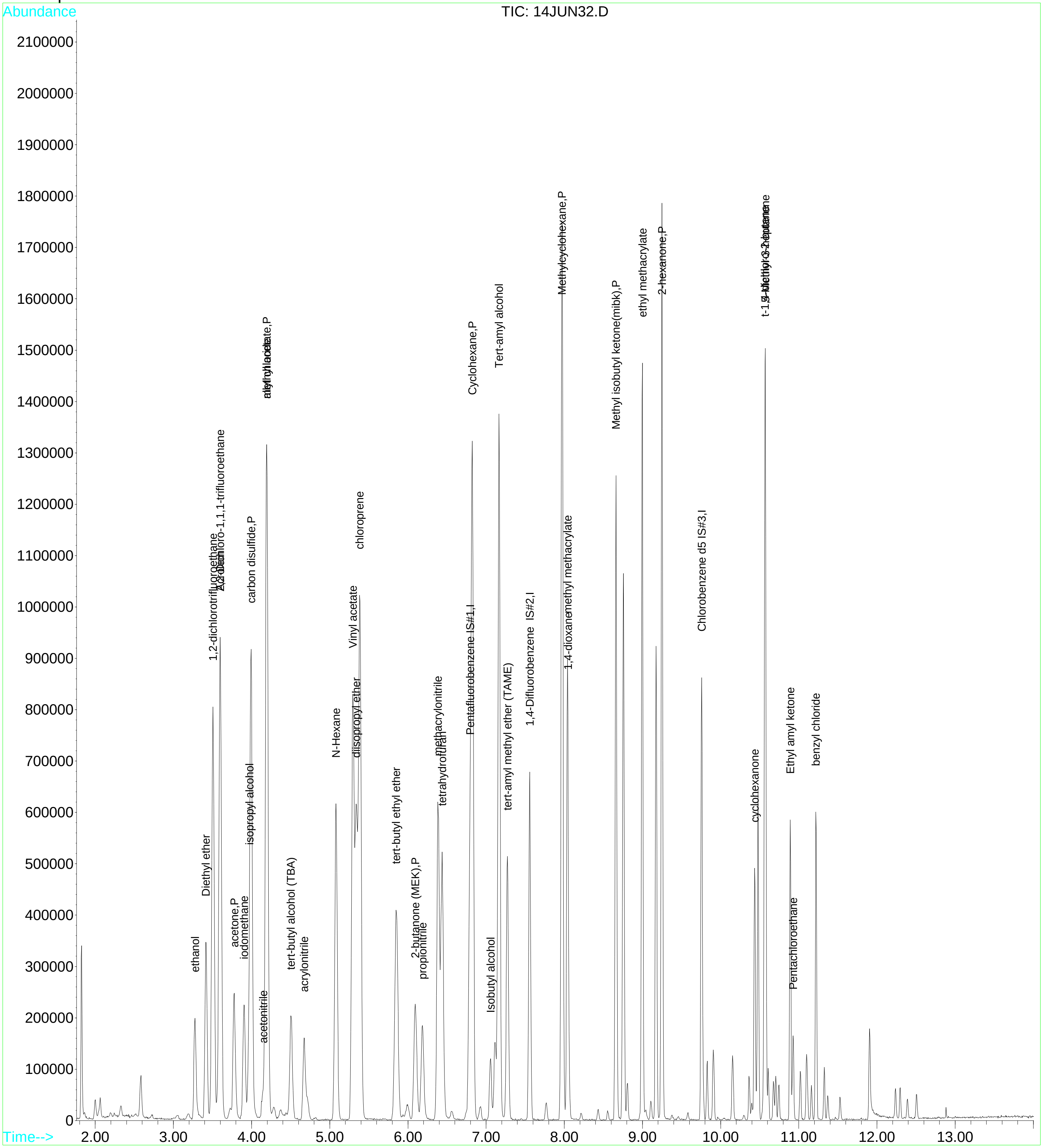
```
Data File : D:\DATA\JUN2022C\JUN14\14JUN31.D           Vial: 31
Acq On    : 14 Jun 2022   5:30 pm                    Operator: MGC
Sample    : 2211065-CCV3                             Inst    : MS-V5
Misc      : 1 ;2F06039;25ML                          Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jun 15  6:38 2022           Quant Results File: 82605C.RES

Method       : C:\HPCHEM\1\METHODS\C\202206\10-1156\82605C.M (RTE Integrator)
Title        : EPA Method  8260C/D
Last Update  : Tue Jun 14 08:18:30 2022
Response via : Initial Calibration
```



```
                             Quantitation Report    (QT Reviewed)

Data File : D:\DATA\JUN2022C\JUN14\14JUN32.D            Vial: 32
Acq On    : 14 Jun 2022   5:54 pm                    Operator: MGC
Sample    : 2211065-CCV4                             Inst    : MS-V5
Misc      : 1 ;2F13018;25ML                          Multiplr: 1.00
MS Integration Params: rteint.p
 Quant Time: Jun 15  6:39 2022             Quant Results File: 82605CX.RES

Quant Method : C:\HPCHEM\1...\82605CX.M (RTE Integrator)
Title        : EPA Method 8260C/DX
Last Update  : Tue Jun 14 08:47:02 2022
Response via : Initial Calibration
DataAcq Meth : 82605

 Internal Standards                  R.T. QIon  Response  Conc Units Dev(Min)
 ---------------------------------------------------------------------------
   1) Pentafluorobenzene IS#1        6.79  137    50783    10.00 ug/L   -0.02
  29) 1,4-Difluorobenzene  IS#2      7.56   63   102307    10.00 ug/L   -0.01
  36) Chlorobenzene d5 IS#3          9.76  119   133933    10.00 ug/L   -0.01

 Target Compounds                                                      Qvalue
   2) ethanol                        3.28   45   235876  4703.76 ug/L     100
   3) 2,2-Dichloro-1,1,1-trifluo     3.60   83   632434    27.17 ug/L      98
   4) 1,2-dichlorotrifluoroethan     3.51   67   543089    27.81 ug/L      91
   5) Diethyl ether                  3.41   59   213418    28.90 ug/L      96
   6) isopropyl alcohol              3.97   45   225704   906.83 ug/L      98
   7) Acrolein                       3.60   56   168397   232.24 ug/L      89
   8) acetone                        3.78   43   358368   340.26 ug/L      99
   9) tert-butyl alcohol (TBA)       4.51   59   314191   840.22 ug/L     100
  10) acetonitrile                   4.14   41   101156   203.68 ug/L #   100
  11) methyl acetate                 4.19   43  1000056   289.61 ug/L      95
  12) allyl chloride                 4.20   41   970285    33.59 ug/L      96
  13) iodomethane                    3.91  142   323604    16.45 ug/L      97
  14) acrylonitrile                  4.68   53   158174    88.52 ug/L     100
  15) carbon disulfide               3.99   76  1550772    33.08 ug/L      98
  16) N-Hexane                       5.08   57   386919    26.08 ug/L      98
  17) diisopropyl ether              5.34   87   193972    16.16 ug/L      80
  18) Vinyl acetate                  5.30   43  1779364   129.52 ug/L      96
  19) chloroprene                    5.39   53   821019    32.86 ug/L      99
  20) tert-butyl ethyl ether         5.85   59   540869    16.69 ug/L      97
  21) 2-butanone (MEK)               6.09   43   342289   178.26 ug/L      99
  22) propionitrile                  6.19   54   276919   446.35 ug/L     100
  23) Isobutyl alcohol               7.05   43    89195   430.68 ug/L      98
  24) methacrylonitrile              6.39   67   375158   172.72 ug/L      95
  25) Tert-amyl alcohol              7.17   59   918828  2838.38 ug/L      96
  26) tetrahydrofuran                6.44   42   447152   357.59 ug/L      97
  27) Cyclohexane                    6.82   56   762002    28.98 ug/L      98
  28) tert-amyl methyl ether (TA     7.27   73   416756    16.13 ug/L      97
  30) methyl methacrylate            8.04   69   332804    80.51 ug/L     100
  31) Methylcyclohexane              7.97   55   528408    25.52 ug/L      98
  32) 1,4-dioxane                    8.05   88    99731  2147.84 ug/L     100
  33) Methyl isobutyl ketone(mib     8.66   43   734945   165.92 ug/L      96
  34) ethyl methacrylate             9.00   69   712543    79.42 ug/L      96
  35) 2-hexanone                     9.25   43   949218   334.66 ug/L      95
  37) 5-Methyl-3-heptanone          10.57   43   254833    54.93 ug/L      98
  38) cyclohexanone                 10.43   55   179634   482.94 ug/L      96
  39) t-1,4-dichloro-2-butene       10.56   75   196183    77.39 ug/L      97
  40) Ethyl amyl ketone             10.89   57   116625    26.70 ug/L      97
  41) Pentachloroethane             10.93  167    11713     2.30 ug/L     100
  42) benzyl chloride               11.22   91   366058    26.80 ug/L      97

 ---------------------------------------------------------------------------
 (#) = qualifier out of range (m) = manual integration
 14JUN32.D  82605CX.M      Wed Jun 15 06:39:33 2022                          Page 1
```

Quantitation Report

```
Data File : D:\DATA\JUN2022C\JUN14\14JUN32.D          Vial: 32
Acq On    : 14 Jun 2022   5:54 pm                Operator: MGC
Sample    : 2211065-CCV4                         Inst    : MS-V5
Misc      : 1 ;2F13018;25ML                      Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jun 15  6:39 2022          Quant Results File: 82605CX.RES

Method       : C:\HPCHEM\1\METHODS\C\202206\10-1632\82605CX.M (RTE Integrator)
Title        : EPA Method 8260C/DX
Last Update  : Tue Jun 14 08:47:02 2022
Response via : Initial Calibration
```



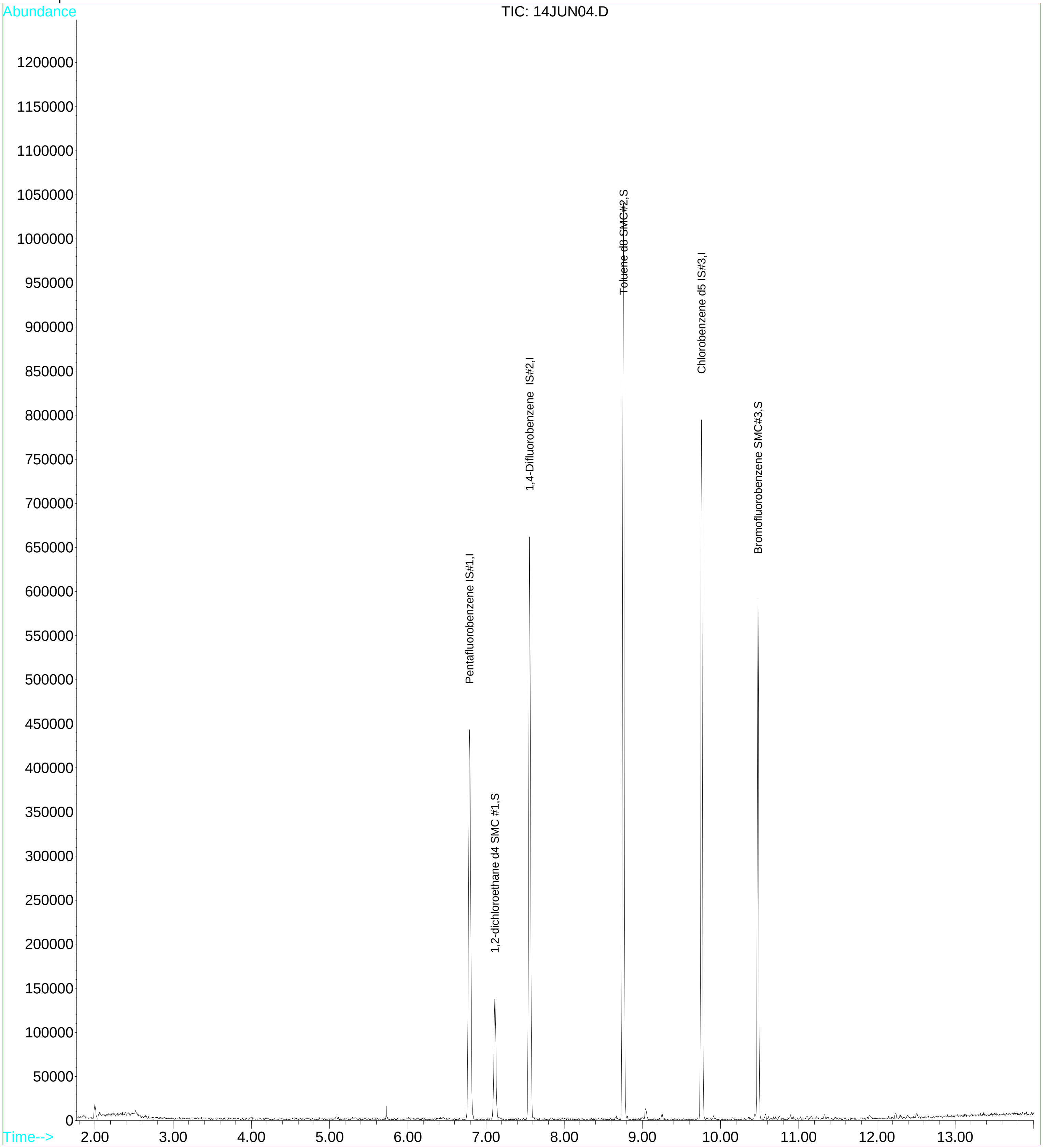
Raw Data - CCB

```
                          Quantitation Report    (QT Reviewed)

Data File : D:\DATA\JUN2022C\JUN14\14JUN04.D            Vial: 4
Acq On    : 14 Jun 2022   6:27 am                   Operator: MGC
Sample    : 2211065-CCB1                            Inst    : MS-V5
Misc      : 1 ;2E09046;25ML                         Multiplr: 1.00
MS Integration Params: rteint.p
 Quant Time: Jun 15  5:44 2022             Quant Results File: 82605C.RES

Quant Method : C:\HPCHEM\1...\82605C.M (RTE Integrator)
Title        : EPA Method  8260C/D
Last Update  : Tue Jun 14 08:18:30 2022
Response via : Initial Calibration
DataAcq Meth : 82605

 Internal Standards                R.T. QIon  Response  Conc Units Dev(Min)
-------------------------------------------------------------------------
   1) Pentafluorobenzene IS#1      6.79  137    48938    10.00 ug/L   -0.02
  26) 1,4-Difluorobenzene  IS#2    7.56   63    98564    10.00 ug/L   -0.01
  41) Chlorobenzene d5 IS#3        9.76  119   126333    10.00 ug/L   -0.01

 System Monitoring Compounds
  23) 1,2-dichloroethane d4 SMC    7.11   65    81291     9.66 ug/L   -0.01
   Spiked Amount     10.000   Range  75 - 125    Recovery   =   96.60%
  33) Toluene d8 SMC#2             8.76   98   577479    10.10 ug/L   -0.01
   Spiked Amount     10.000   Range  80 - 120    Recovery   =  101.00%
  51) Bromofluorobenzene SMC#3    10.48   95   170482     9.61 ug/L   -0.01
   Spiked Amount     10.000   Range  80 - 120    Recovery   =   96.10%

 Target Compounds                                                  Qvalue
```

```
-------------------------------------------------------------------------
 (#) = qualifier out of range (m) = manual integration
 14JUN04.D  82605C.M      Wed Jun 15 05:44:16 2022
```

Quantitation Report

```
Data File : D:\DATA\JUN2022C\JUN14\14JUN04.D           Vial: 4
Acq On    : 14 Jun 2022   6:27 am                   Operator: MGC
Sample    : 2211065-CCB1                            Inst    : MS-V5
Misc      : 1 ;2E09046;25ML                         Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jun 15  5:44 2022            Quant Results File: 82605C.RES

Method       : C:\HPCHEM\1\METHODS\C\202206\10-1156\82605C.M (RTE Integrator)
Title        : EPA Method  8260C/D
Last Update  : Tue Jun 14 08:18:30 2022
Response via : Initial Calibration
```

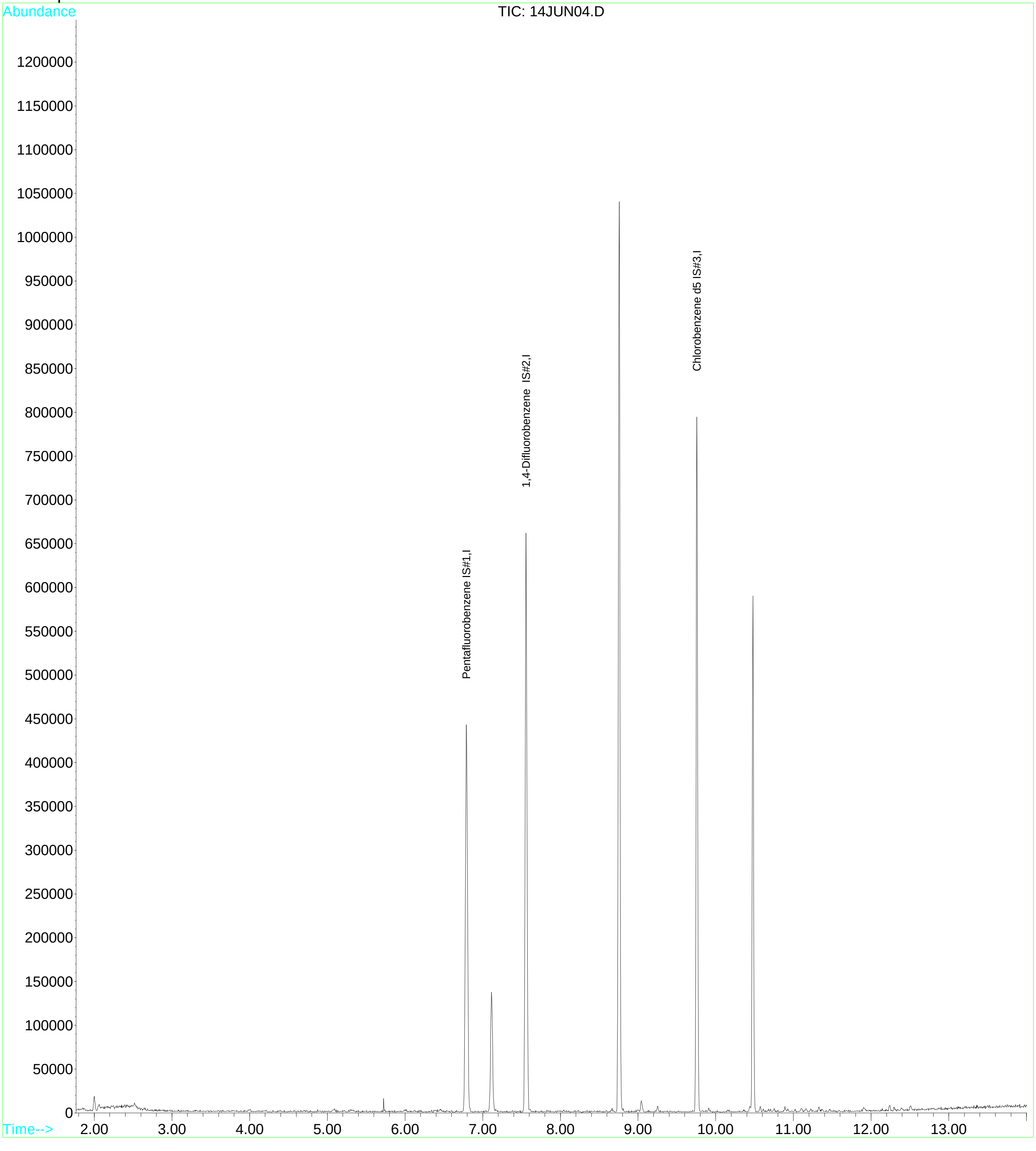


```
                             Quantitation Report    (QT Reviewed)

Data File : D:\DATA\JUN2022C\JUN14\14JUN04.D            Vial: 4
Acq On    : 14 Jun 2022   6:27 am                   Operator: MGC
Sample    : 2211065-CCB1                            Inst    : MS-V5
Misc      : 1 ;2E09046;25ML                         Multiplr: 1.00
MS Integration Params: rteint.p
 Quant Time: Jun 15  5:44 2022             Quant Results File: 82605CX.RES

Quant Method : C:\HPCHEM\1...\82605CX.M (RTE Integrator)
Title        : EPA Method 8260C/DX
Last Update  : Tue Jun 14 08:47:02 2022
Response via : Initial Calibration
DataAcq Meth : 82605

 Internal Standards                R.T. QIon  Response  Conc Units Dev(Min)
 -------------------------------------------------------------------------
   1) Pentafluorobenzene IS#1      6.79  137    48938    10.00 ug/L   -0.02
  29) 1,4-Difluorobenzene  IS#2    7.56   63    98564    10.00 ug/L   -0.01
  36) Chlorobenzene d5 IS#3        9.76  119   126333    10.00 ug/L   -0.01

 Target Compounds                                                  Qvalue
```

```
 -------------------------------------------------------------------------
 (#) = qualifier out of range (m) = manual integration
 14JUN04.D  82605CX.M      Wed Jun 15 05:44:52 2022
```

Quantitation Report

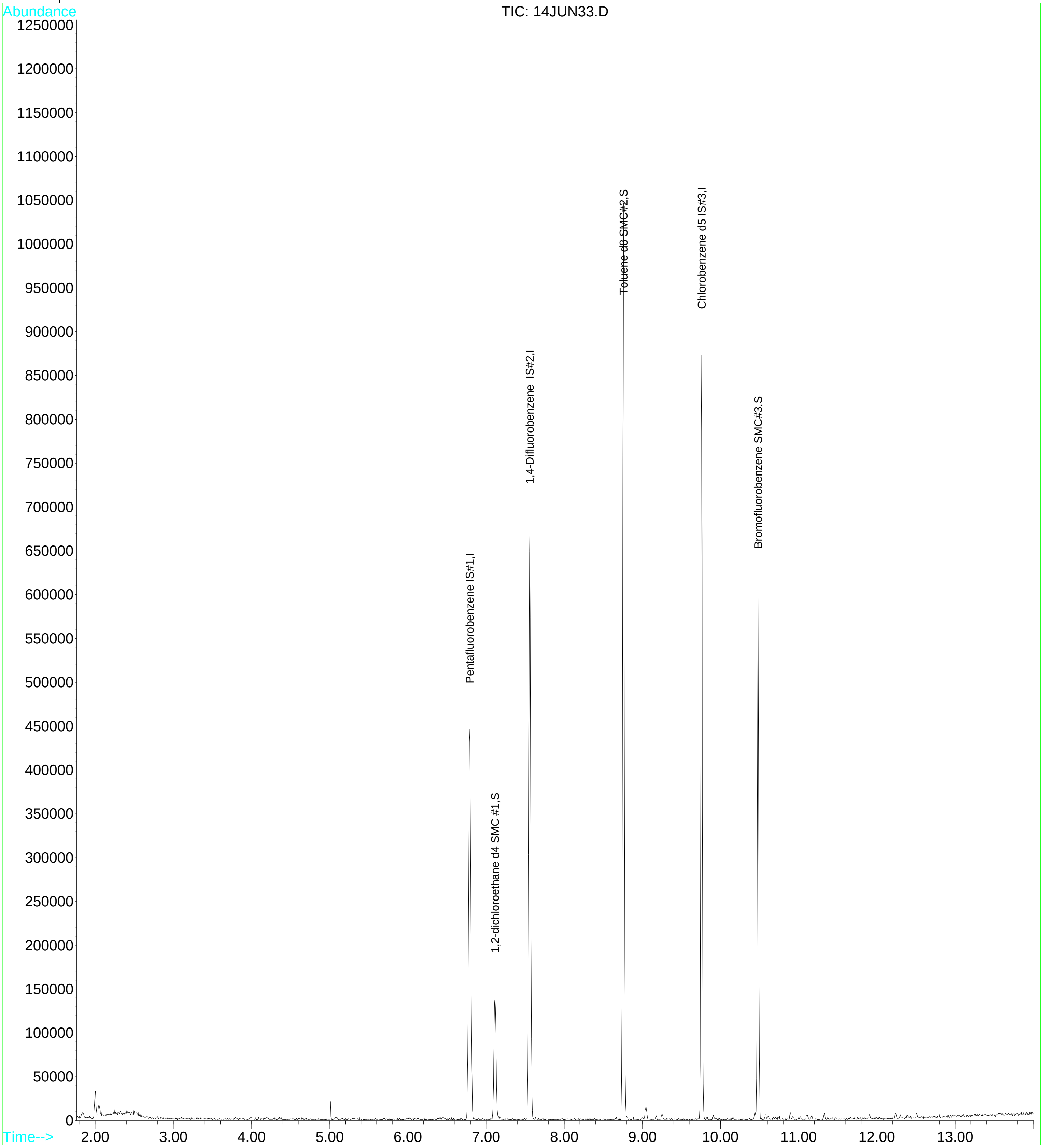
```
Data File : D:\DATA\JUN2022C\JUN14\14JUN04.D            Vial: 4
Acq On    : 14 Jun 2022   6:27 am                   Operator: MGC
Sample    : 2211065-CCB1                            Inst    : MS-V5
Misc      : 1 ;2E09046;25ML                         Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jun 15  5:44 2022            Quant Results File: 82605CX.RES

Method       : C:\HPCHEM\1\METHODS\C\202206\10-1632\82605CX.M (RTE Integrator)
Title        : EPA Method 8260C/DX
Last Update  : Tue Jun 14 08:47:02 2022
Response via : Initial Calibration
```



```
                             Quantitation Report    (QT Reviewed)

Data File : D:\DATA\JUN2022C\JUN14\14JUN33.D            Vial: 33
Acq On    : 14 Jun 2022   6:19 pm                   Operator: MGC
Sample    : 2211065-CCB2                            Inst    : MS-V5
Misc      : 1 ;2E09046;25ML                         Multiplr: 1.00
MS Integration Params: rteint.p
 Quant Time: Jun 15  6:40 2022            Quant Results File: 82605C.RES

Quant Method : C:\HPCHEM\1...\82605C.M (RTE Integrator)
Title        : EPA Method  8260C/D
Last Update  : Tue Jun 14 08:18:30 2022
Response via : Initial Calibration
DataAcq Meth : 82605

 Internal Standards                R.T. QIon  Response  Conc Units Dev(Min)
-------------------------------------------------------------------------
   1) Pentafluorobenzene IS#1      6.79  137     50327    10.00 ug/L   -0.02
  26) 1,4-Difluorobenzene  IS#2    7.56   63    105534    10.00 ug/L   -0.01
  41) Chlorobenzene d5 IS#3        9.76  119    130255    10.00 ug/L   -0.01

 System Monitoring Compounds
  23) 1,2-dichloroethane d4 SMC    7.11   65     85661     9.90 ug/L   -0.01
   Spiked Amount     10.000   Range  75 - 125    Recovery   =   99.00%
  33) Toluene d8 SMC#2             8.76   98    604785     9.87 ug/L   -0.01
   Spiked Amount     10.000   Range  80 - 120    Recovery   =   98.70%
  51) Bromofluorobenzene SMC#3    10.48   95    179644     9.82 ug/L   -0.02
   Spiked Amount     10.000   Range  80 - 120    Recovery   =   98.20%

 Target Compounds                                                    Qvalue

-------------------------------------------------------------------------
 (#) = qualifier out of range (m) = manual integration
 14JUN33.D  82605C.M      Wed Jun 15 06:40:18 2022
```

Quantitation Report

```
Data File : D:\DATA\JUN2022C\JUN14\14JUN33.D              Vial: 33
Acq On    : 14 Jun 2022   6:19 pm                     Operator: MGC
Sample    : 2211065-CCB2                              Inst    : MS-V5
Misc      : 1 ;2E09046;25ML                           Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jun 15  6:40 2022            Quant Results File: 82605C.RES

Method       : C:\HPCHEM\1\METHODS\C\202206\10-1156\82605C.M (RTE Integrator)
Title        : EPA Method  8260C/D
Last Update  : Tue Jun 14 08:18:30 2022
Response via : Initial Calibration
```

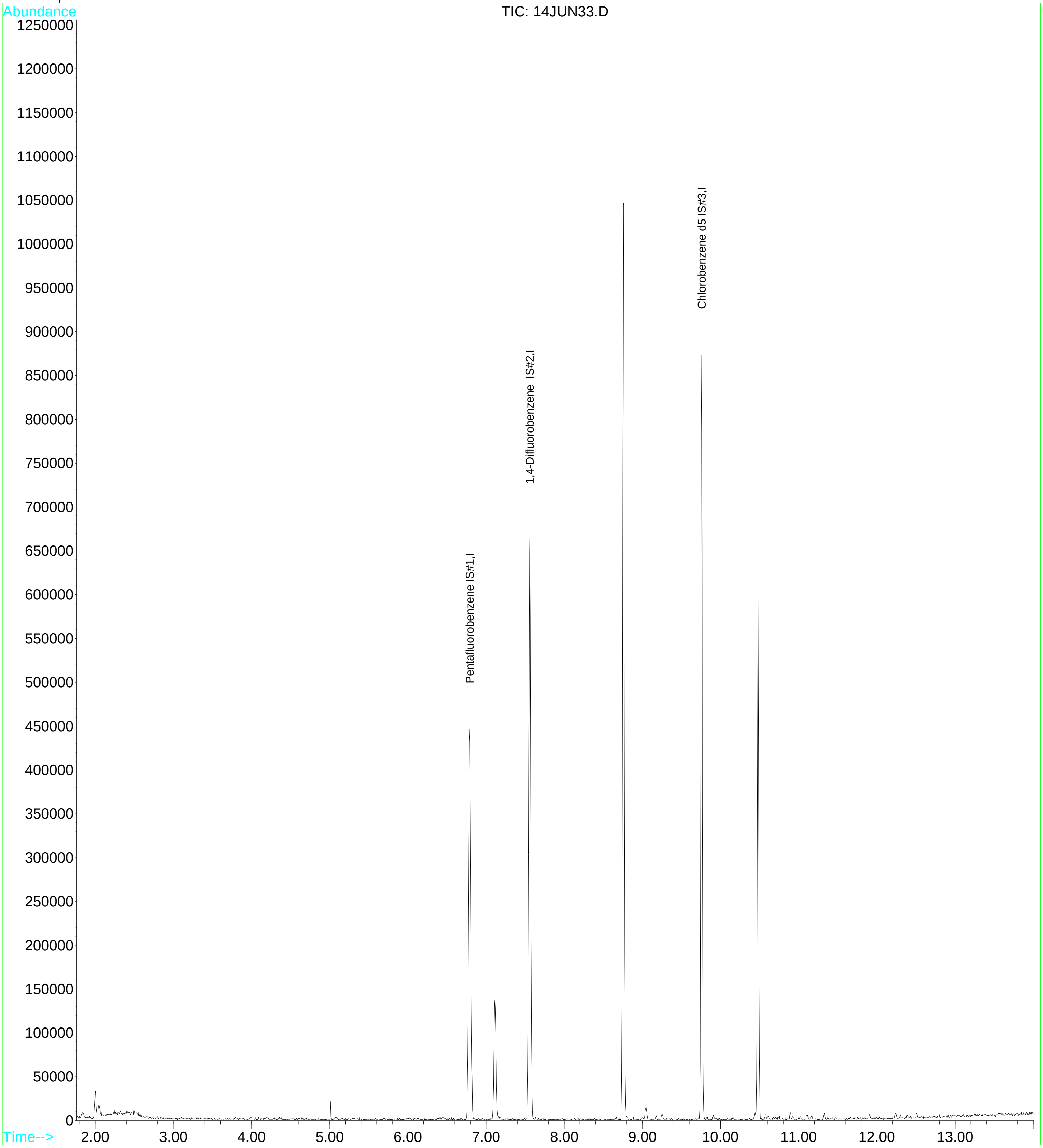


```
                              Quantitation Report    (QT Reviewed)

Data File : D:\DATA\JUN2022C\JUN14\14JUN33.D             Vial: 33
Acq On    : 14 Jun 2022   6:19 pm                    Operator: MGC
Sample    : 2211065-CCB2                             Inst    : MS-V5
Misc      : 1 ;2E09046;25ML                          Multiplr: 1.00
MS Integration Params: rteint.p
 Quant Time: Jun 15  6:40 2022              Quant Results File: 82605CX.RES

Quant Method : C:\HPCHEM\1...\82605CX.M (RTE Integrator)
Title        : EPA Method 8260C/DX
Last Update  : Tue Jun 14 08:47:02 2022
Response via : Initial Calibration
DataAcq Meth : 82605

 Internal Standards                R.T. QIon  Response  Conc Units Dev(Min)
 -------------------------------------------------------------------------
   1) Pentafluorobenzene IS#1      6.79  137     50327    10.00 ug/L   -0.02
  29) 1,4-Difluorobenzene  IS#2    7.56   63    105534    10.00 ug/L   -0.01
  36) Chlorobenzene d5 IS#3        9.76  119    130255    10.00 ug/L   -0.01

 Target Compounds                                                   Qvalue
```

```
 -------------------------------------------------------------------------
 (#) = qualifier out of range (m) = manual integration
```

Quantitation Report

```
Data File : D:\DATA\JUN2022C\JUN14\14JUN33.D            Vial: 33
Acq On    : 14 Jun 2022   6:19 pm                    Operator: MGC
Sample    : 2211065-CCB2                             Inst    : MS-V5
Misc      : 1 ;2E09046;25ML                          Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jun 15  6:40 2022            Quant Results File: 82605CX.RES

Method       : C:\HPCHEM\1\METHODS\C\202206\10-1632\82605CX.M (RTE Integrator)
Title        : EPA Method 8260C/DX
Last Update  : Tue Jun 14 08:47:02 2022
Response via : Initial Calibration
```

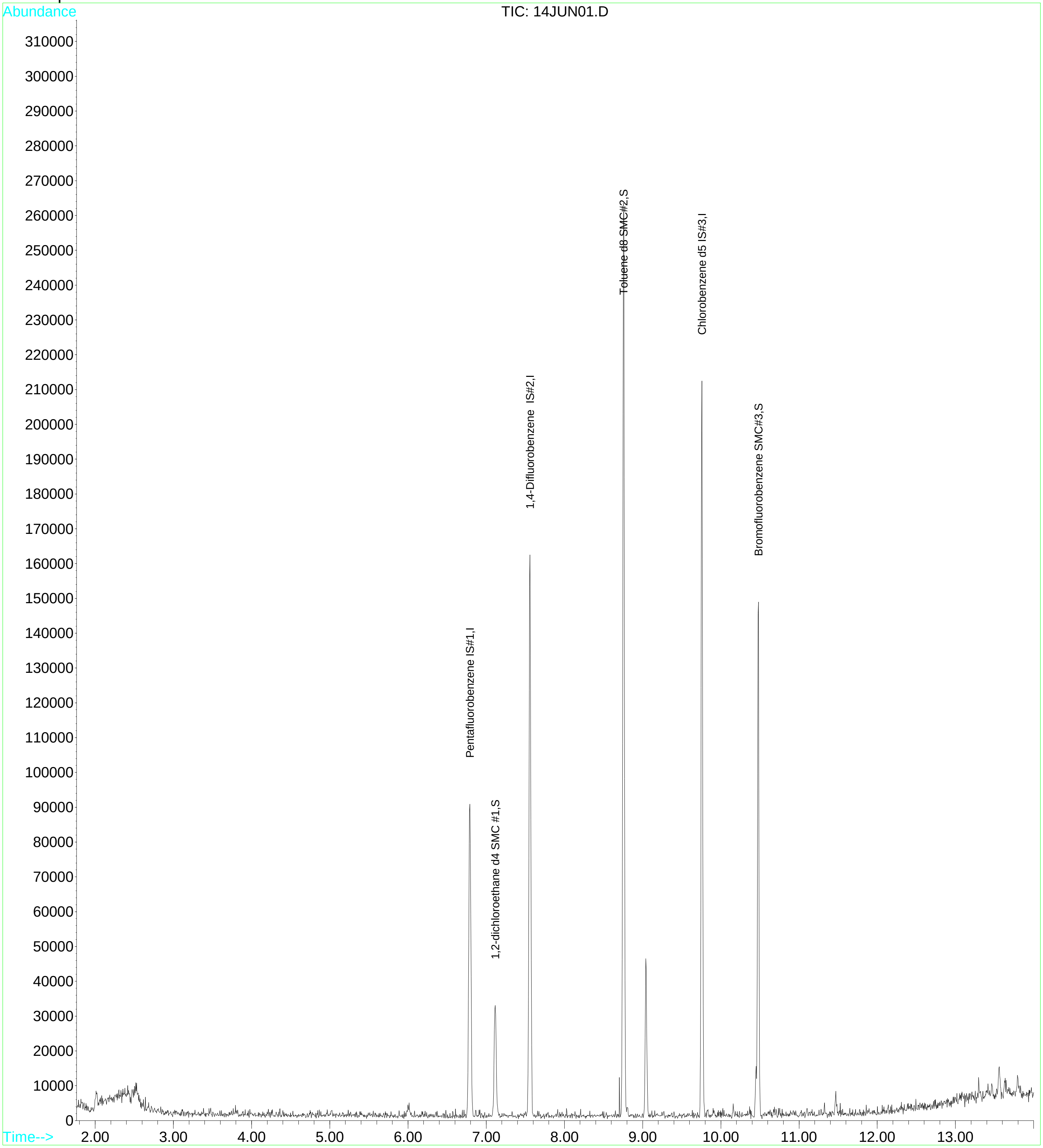


Raw Data - Tune

```
                             Quantitation Report    (QT Reviewed)

Data File : D:\DATA\JUN2022C\JUN14\14JUN01.D             Vial: 1
Acq On    : 14 Jun 2022   5:14 am                    Operator: MGC
Sample    : 2211065-TUN1                             Inst    : MS-V5
Misc      : 1 ;2C28037;50NG                          Multiplr: 1.00
MS Integration Params: rteint.p
 Quant Time: Jun 15  5:42 2022           Quant Results File: 82605C.RES

Quant Method : C:\HPCHEM\1...\82605C.M (RTE Integrator)
Title        : EPA Method  8260C/D
Last Update  : Tue Jun 14 08:18:30 2022
Response via : Initial Calibration
DataAcq Meth : 82605

 Internal Standards                R.T. QIon  Response  Conc Units Dev(Min)
 -------------------------------------------------------------------------
   1) Pentafluorobenzene IS#1      6.79  137     9335    10.00 ug/L   -0.02
  26) 1,4-Difluorobenzene  IS#2    7.56   63    24267    10.00 ug/L    0.00
  41) Chlorobenzene d5 IS#3        9.76  119    33096    10.00 ug/L    0.00

 System Monitoring Compounds
  23) 1,2-dichloroethane d4 SMC    7.12   65    21241    13.23 ug/L    0.00
   Spiked Amount     10.000   Range  75 - 125    Recovery   =  132.30%#
  33) Toluene d8 SMC#2             8.75   98   154220    10.95 ug/L   -0.01
   Spiked Amount     10.000   Range  80 - 120    Recovery   =  109.50%
  51) Bromofluorobenzene SMC#3    10.48   95    44454     9.56 ug/L   -0.01
   Spiked Amount     10.000   Range  80 - 120    Recovery   =   95.60%

 Target Compounds                                                  Qvalue

 -------------------------------------------------------------------------
 (#) = qualifier out of range (m) = manual integration
 14JUN01.D  82605C.M      Wed Jun 15 05:42:38 2022                          Page 1
```

Quantitation Report

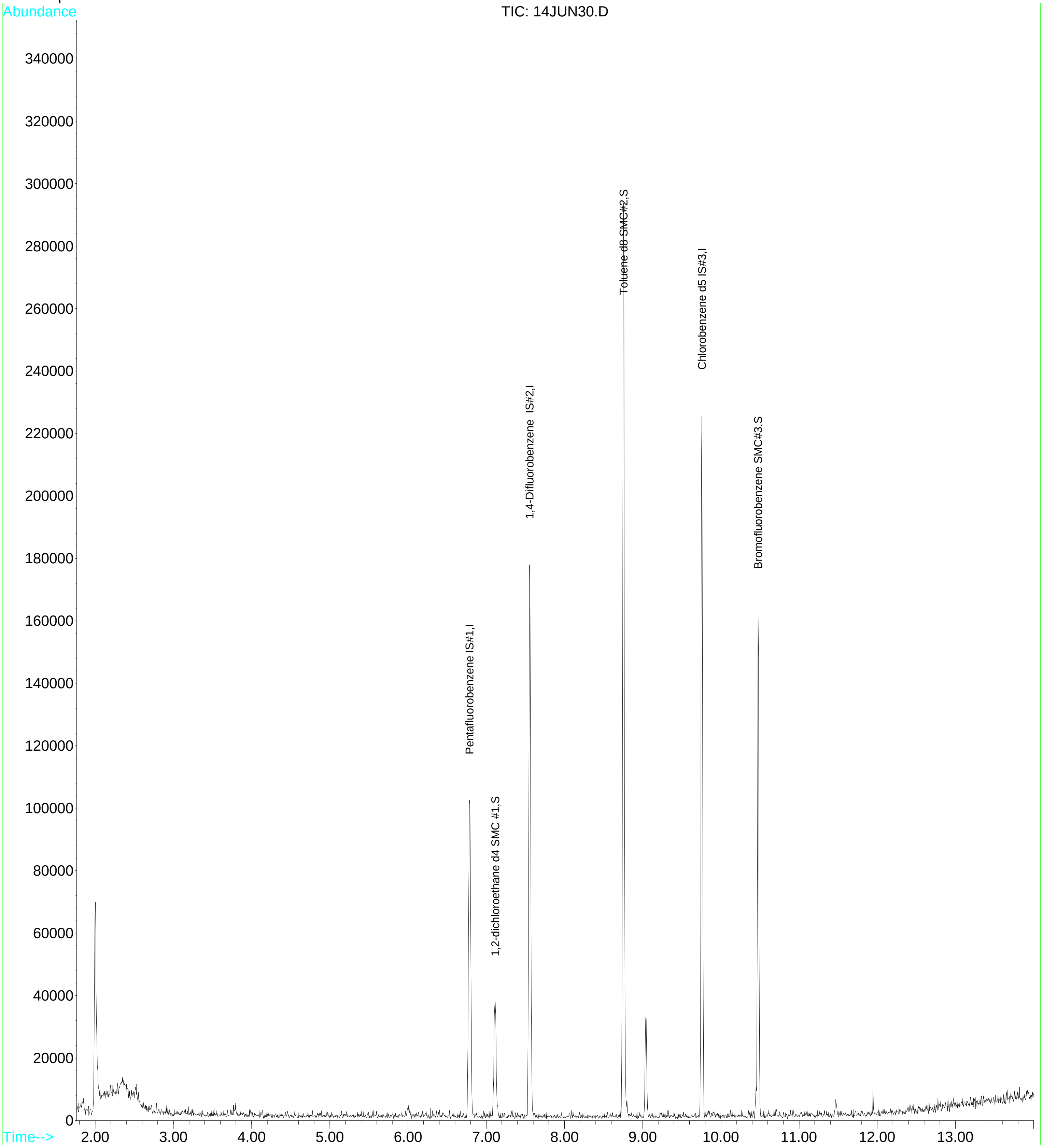
```
Data File : D:\DATA\JUN2022C\JUN14\14JUN01.D           Vial: 1
Acq On    : 14 Jun 2022   5:14 am                   Operator: MGC
Sample    : 2211065-TUN1                            Inst    : MS-V5
Misc      : 1 ;2C28037;50NG                         Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jun 15  5:42 2022          Quant Results File: 82605C.RES

Method       : C:\HPCHEM\1\METHODS\C\202206\10-1156\82605C.M (RTE Integrator)
Title        : EPA Method  8260C/D
Last Update  : Tue Jun 14 08:18:30 2022
Response via : Initial Calibration
```



```
                              Quantitation Report    (QT Reviewed)

Data File : D:\DATA\JUN2022C\JUN14\14JUN30.D            Vial: 30
Acq On    : 14 Jun 2022   5:05 pm                   Operator: MGC
Sample    : 2211065-TUN2                            Inst    : MS-V5
Misc      : 1 ;2C28037;50NG                         Multiplr: 1.00
MS Integration Params: rteint.p
 Quant Time: Jun 15  6:38 2022            Quant Results File: 82605C.RES

Quant Method : C:\HPCHEM\1...\82605C.M (RTE Integrator)
Title        : EPA Method  8260C/D
Last Update  : Tue Jun 14 08:18:30 2022
Response via : Initial Calibration
DataAcq Meth : 82605

 Internal Standards                R.T. QIon  Response  Conc Units Dev(Min)
-------------------------------------------------------------------------
   1) Pentafluorobenzene IS#1      6.79  137    12069    10.00 ug/L   -0.02
  26) 1,4-Difluorobenzene  IS#2    7.56   63    27158    10.00 ug/L   -0.01
  41) Chlorobenzene d5 IS#3        9.76  119    36551    10.00 ug/L    0.00

 System Monitoring Compounds
  23) 1,2-dichloroethane d4 SMC    7.11   65    24764    11.93 ug/L   -0.01
   Spiked Amount     10.000   Range  75 - 125    Recovery   =  119.30%
  33) Toluene d8 SMC#2             8.75   98   169854    10.78 ug/L   -0.01
   Spiked Amount     10.000   Range  80 - 120    Recovery   =  107.80%
  51) Bromofluorobenzene SMC#3    10.48   95    49191     9.58 ug/L   -0.01
   Spiked Amount     10.000   Range  80 - 120    Recovery   =   95.80%

 Target Compounds                                                   Qvalue

-------------------------------------------------------------------------
 (#) = qualifier out of range (m) = manual integration
```

Quantitation Report

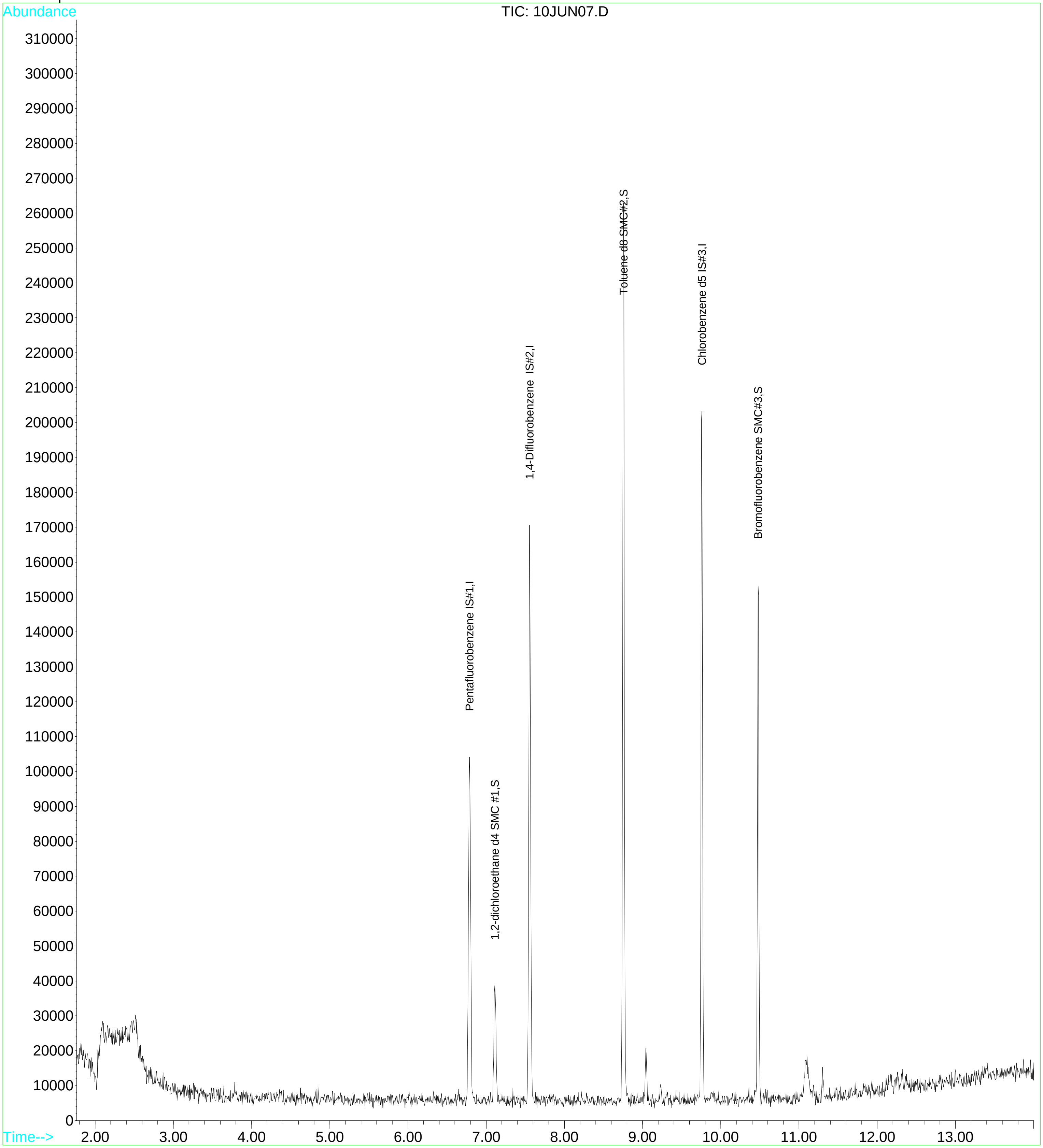
```
Data File : D:\DATA\JUN2022C\JUN14\14JUN30.D           Vial: 30
Acq On    : 14 Jun 2022   5:05 pm                  Operator: MGC
Sample    : 2211065-TUN2                           Inst    : MS-V5
Misc      : 1 ;2C28037;50NG                        Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jun 15  6:38 2022           Quant Results File: 82605C.RES

Method       : C:\HPCHEM\1\METHODS\C\202206\10-1156\82605C.M (RTE Integrator)
Title        : EPA Method  8260C/D
Last Update  : Tue Jun 14 08:18:30 2022
Response via : Initial Calibration
```



```
                              Quantitation Report    (QT Reviewed)

Data File : D:\DATA\JUN2022C\JUN10\10JUN07.D            Vial: 7
Acq On    : 10 Jun 2022   9:26 am                   Operator: MGC
Sample    : 2210844-TUN1                            Inst    : MS-V5
Misc      : 1 ;2C28037;50NG                         Multiplr: 1.00
MS Integration Params: rteint.p
 Quant Time: Jun 14  8:07 2022             Quant Results File: 82605C.RES

Quant Method : C:\HPCHEM\1...\82605C.M (RTE Integrator)
Title        : EPA Method  8260C/D
Last Update  : Wed Jun 01 13:16:14 2022
Response via : Initial Calibration
DataAcq Meth : 82605

 Internal Standards                R.T. QIon  Response  Conc Units Dev(Min)
 ---------------------------------------------------------------------------
   1) Pentafluorobenzene IS#1      6.79  137    11490    10.00 ug/L   -0.02
  26) 1,4-Difluorobenzene  IS#2    7.56   63    24895    10.00 ug/L   -0.01
  41) Chlorobenzene d5 IS#3        9.75  119    29176    10.00 ug/L   -0.01

 System Monitoring Compounds
  23) 1,2-dichloroethane d4 SMC    7.11   65    22440     9.36 ug/L   -0.01
   Spiked Amount     10.000   Range  75 - 125    Recovery   =   93.60%
  33) Toluene d8 SMC#2             8.76   98   143210    10.86 ug/L   -0.01
   Spiked Amount     10.000   Range  80 - 120    Recovery   =  108.60%
  51) Bromofluorobenzene SMC#3    10.48   95    44019    10.30 ug/L   -0.01
   Spiked Amount     10.000   Range  80 - 120    Recovery   =  103.00%

 Target Compounds                                                  Qvalue

 ---------------------------------------------------------------------------
 (#) = qualifier out of range (m) = manual integration
 10JUN07.D  82605C.M      Tue Jun 14 08:07:38 2022                          Page 1
```

Quantitation Report

```
Data File : D:\DATA\JUN2022C\JUN10\10JUN07.D            Vial: 7
Acq On    : 10 Jun 2022   9:26 am                   Operator: MGC
Sample    : 2210844-TUN1                            Inst    : MS-V5
Misc      : 1 ;2C28037;50NG                         Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jun 14  8:07 2022             Quant Results File: 82605C.RES

Method       : C:\HPCHEM\1\METHODS\C\202206\10-1156\82605C.M (RTE Integrator)
Title        : EPA Method  8260C/D
Last Update  : Wed Jun 01 13:16:14 2022
Response via : Initial Calibration
```

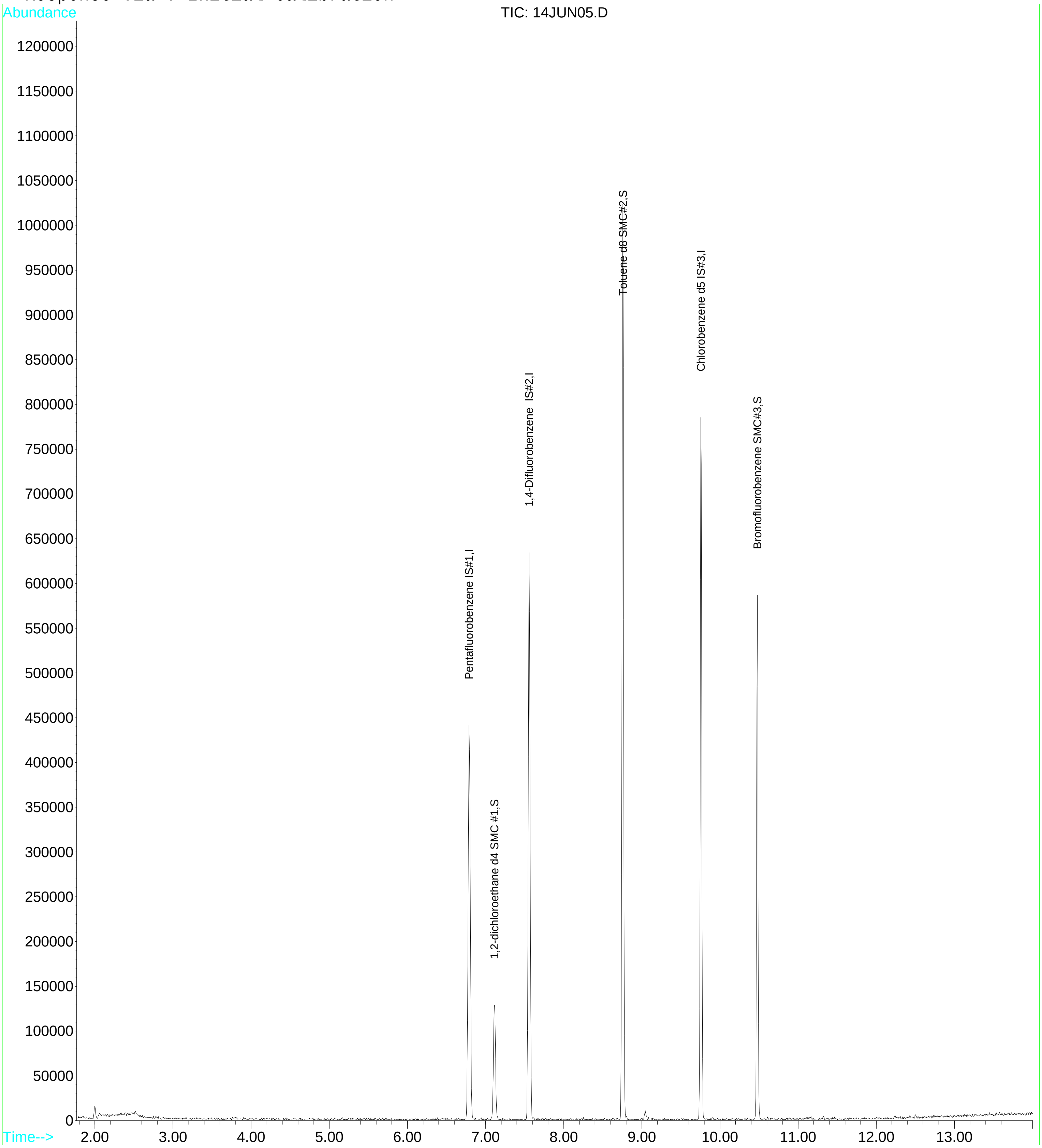


Raw Data - Method Blank

```
                              Quantitation Report    (QT Reviewed)

Data File : D:\DATA\JUN2022C\JUN14\14JUN05.D            Vial: 5
Acq On    : 14 Jun 2022   6:51 am                   Operator: MGC
Sample    : B141807-BLK1                            Inst    : MS-V5
Misc      : 1 PB1;VRL-18-6956;25ML                  Multiplr: 1.00
MS Integration Params: rteint.p
 Quant Time: Jun 15  5:48 2022             Quant Results File: 82605C.RES

Quant Method : C:\HPCHEM\1...\82605C.M (RTE Integrator)
Title        : EPA Method  8260C/D
Last Update  : Tue Jun 14 08:18:30 2022
Response via : Initial Calibration
DataAcq Meth : 82605

 Internal Standards                R.T. QIon  Response  Conc Units Dev(Min)
-------------------------------------------------------------------------
   1) Pentafluorobenzene IS#1      6.79  137    48514    10.00 ug/L   -0.01
  26) 1,4-Difluorobenzene  IS#2    7.56   63    97563    10.00 ug/L   -0.01
  41) Chlorobenzene d5 IS#3        9.76  119   124832    10.00 ug/L   -0.01

 System Monitoring Compounds
  23) 1,2-dichloroethane d4 SMC    7.11   65    79339     9.51 ug/L   -0.01
   Spiked Amount     10.000   Range  75 - 125    Recovery   =   95.10%
  33) Toluene d8 SMC#2             8.76   98   574569    10.15 ug/L   -0.01
   Spiked Amount     10.000   Range  80 - 120    Recovery   =  101.50%
  51) Bromofluorobenzene SMC#3    10.48   95   171085     9.76 ug/L   -0.01
   Spiked Amount     10.000   Range  80 - 120    Recovery   =   97.60%

 Target Compounds                                                  Qvalue

-------------------------------------------------------------------------
 (#) = qualifier out of range (m) = manual integration
 14JUN05.D  82605C.M      Wed Jun 15 05:53:36 2022                          Page 1
```

Quantitation Report

```
Data File : D:\DATA\JUN2022C\JUN14\14JUN05.D            Vial: 5
Acq On    : 14 Jun 2022   6:51 am                   Operator: MGC
Sample    : B141807-BLK1                            Inst    : MS-V5
Misc      : 1 PB1;VRL-18-6956;25ML                  Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jun 15  5:48 2022          Quant Results File: 82605C.RES

Method       : C:\HPCHEM\1\METHODS\C\202206\10-1156\82605C.M (RTE Integrator)
Title        : EPA Method  8260C/D
Last Update  : Tue Jun 14 08:18:30 2022
Response via : Initial Calibration
```

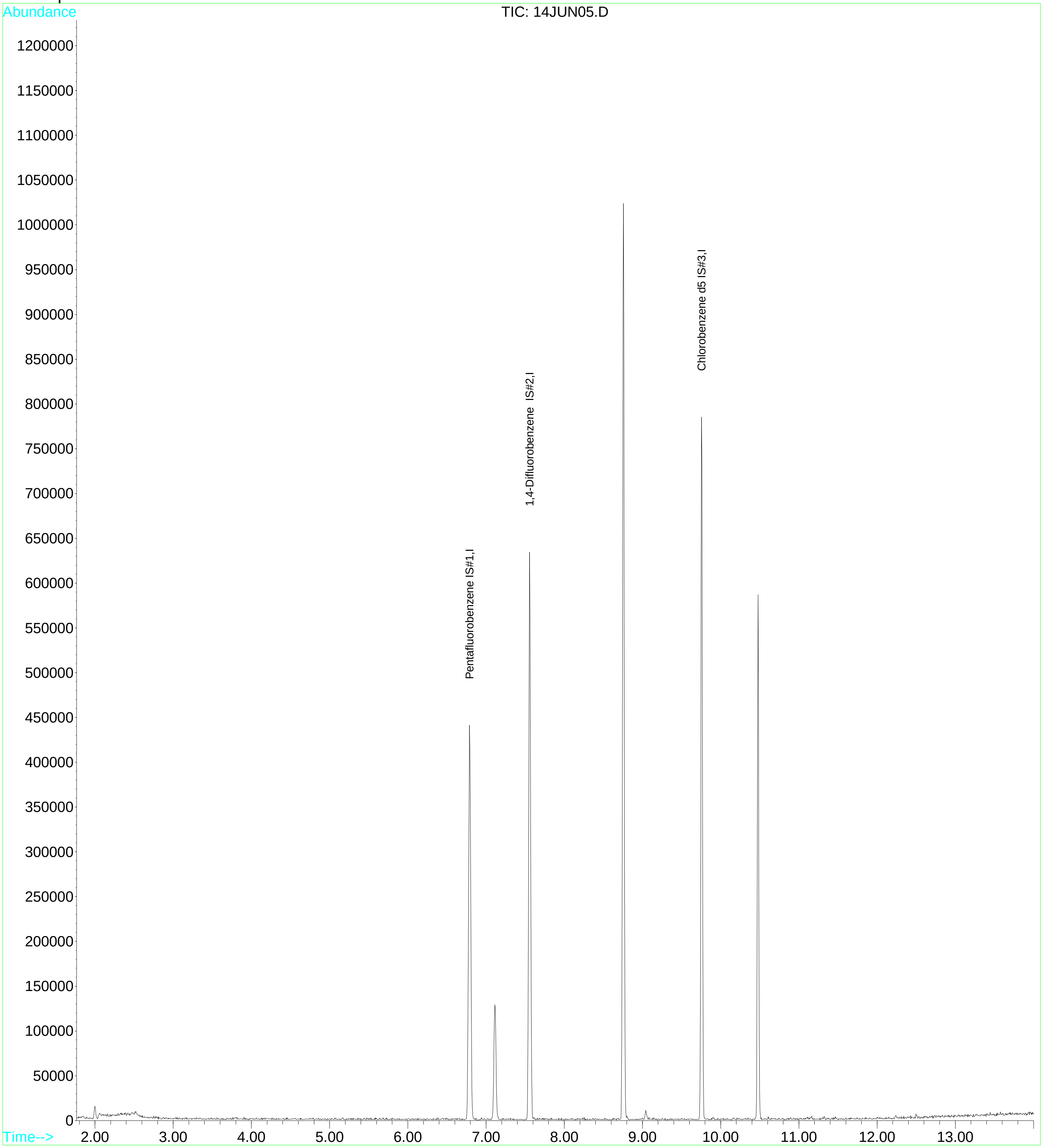


```
                              Quantitation Report    (QT Reviewed)

Data File : D:\DATA\JUN2022C\JUN14\14JUN05.D             Vial: 5
Acq On    : 14 Jun 2022   6:51 am                    Operator: MGC
Sample    : B141807-BLK1                             Inst    : MS-V5
Misc      : 1 PB1;VRL-18-6956;25ML                   Multiplr: 1.00
MS Integration Params: rteint.p
 Quant Time: Jun 15  5:47 2022             Quant Results File: 82605CX.RES

Quant Method : C:\HPCHEM\1...\82605CX.M (RTE Integrator)
Title        : EPA Method 8260C/DX
Last Update  : Tue Jun 14 08:47:02 2022
Response via : Initial Calibration
DataAcq Meth : 82605

 Internal Standards                R.T. QIon  Response  Conc Units Dev(Min)
 -------------------------------------------------------------------------
   1) Pentafluorobenzene IS#1      6.79  137     48514    10.00 ug/L   -0.02
  29) 1,4-Difluorobenzene  IS#2    7.56   63     97563    10.00 ug/L   -0.01
  36) Chlorobenzene d5 IS#3        9.76  119    124832    10.00 ug/L   -0.01

 Target Compounds                                                  Qvalue
```

```
 -------------------------------------------------------------------------
 (#) = qualifier out of range (m) = manual integration
```

Quantitation Report

```
Data File : D:\DATA\JUN2022C\JUN14\14JUN05.D            Vial: 5
Acq On    : 14 Jun 2022   6:51 am                   Operator: MGC
Sample    : B141807-BLK1                            Inst    : MS-V5
Misc      : 1 PB1;VRL-18-6956;25ML                  Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jun 15  5:47 2022            Quant Results File: 82605CX.RES

Method       : C:\HPCHEM\1\METHODS\C\202206\10-1632\82605CX.M (RTE Integrator)
Title        : EPA Method 8260C/DX
Last Update  : Tue Jun 14 08:47:02 2022
Response via : Initial Calibration
```



Raw Data - Matrix Spike

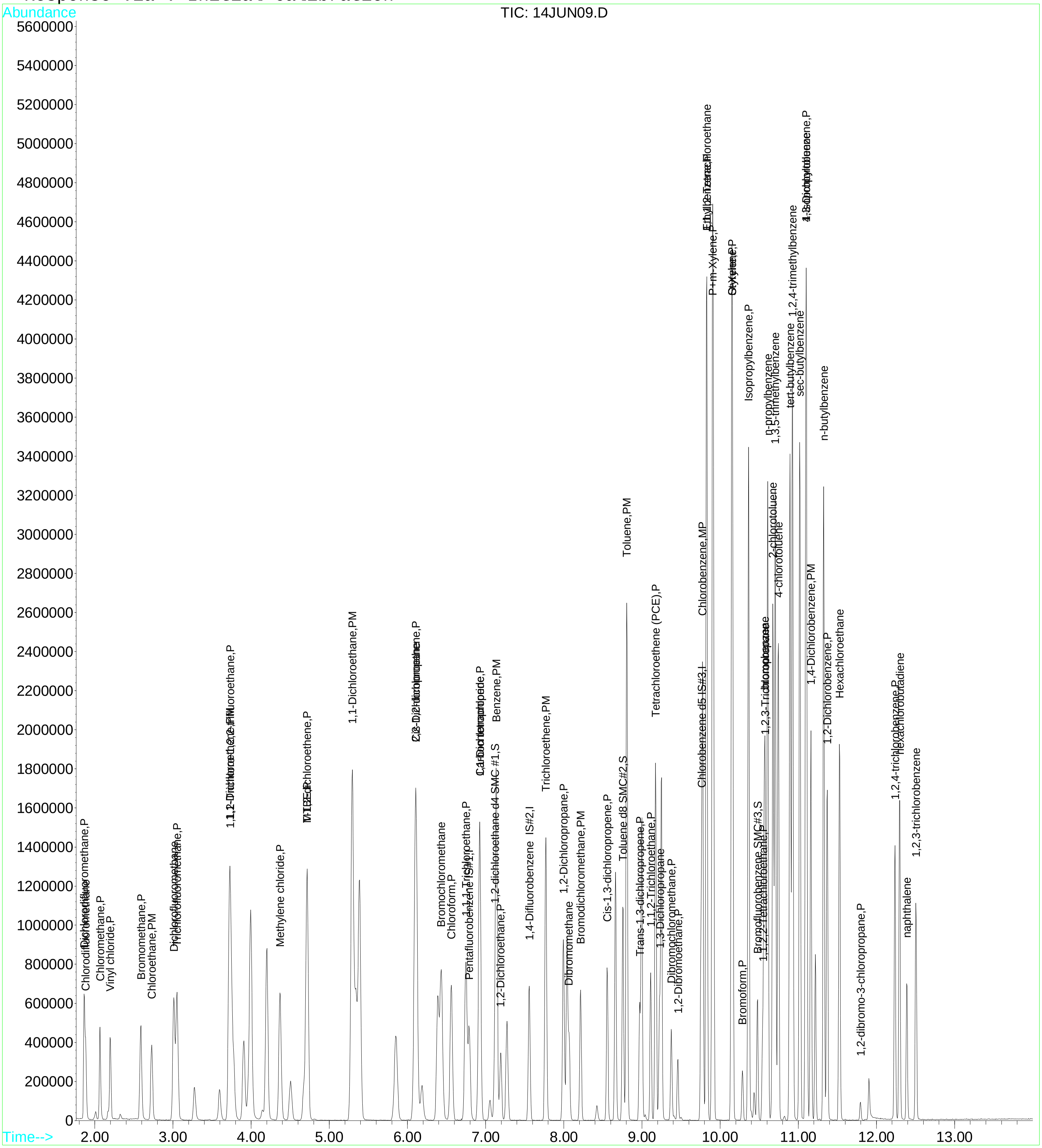
```
                              Quantitation Report    (QT Reviewed)

Data File : D:\DATA\JUN2022C\JUN14\14JUN09.D            Vial: 9
Acq On    : 14 Jun 2022   8:29 am                    Operator: MGC
Sample    : B141807-MS1                              Inst    : MS-V5
Misc      : 1 ;2F13019;25ML                          Multiplr: 1.00
MS Integration Params: rteint.p
 Quant Time: Jun 15  6:04 2022            Quant Results File: 82605C.RES

Quant Method : C:\HPCHEM\1...\82605C.M (RTE Integrator)
Title        : EPA Method  8260C/D
Last Update  : Tue Jun 14 08:18:30 2022
Response via : Initial Calibration
DataAcq Meth : 82605

 Internal Standards                R.T. QIon  Response  Conc Units Dev(Min)
-------------------------------------------------------------------------
   1) Pentafluorobenzene IS#1      6.79  137     52671    10.00 ug/L   -0.02
  26) 1,4-Difluorobenzene  IS#2    7.55   63    104601    10.00 ug/L   -0.02
  41) Chlorobenzene d5 IS#3        9.76  119    134257    10.00 ug/L   -0.01

 System Monitoring Compounds
  23) 1,2-dichloroethane d4 SMC    7.11   65    84018     9.28 ug/L   -0.01
   Spiked Amount     10.000   Range  75 - 125    Recovery   =   92.80%
  33) Toluene d8 SMC#2             8.75   98   624677    10.29 ug/L   -0.02
   Spiked Amount     10.000   Range  80 - 120    Recovery   =  102.90%
  51) Bromofluorobenzene SMC#3    10.47   95   188880    10.02 ug/L   -0.02
   Spiked Amount     10.000   Range  80 - 120    Recovery   =  100.20%

 Target Compounds                                                 Qvalue
   2) Dichlorodifluoromethane      1.86   85   437262    24.64 ug/L     100
   3) Chlorodifluoromethane        1.88   51   341733    22.94 ug/L      97
   4) Chloromethane                2.07   50   366826    23.23 ug/L     100
   5) Vinyl chloride               2.20   62   339919    23.26 ug/L      99
   6) Bromomethane                 2.59   94   329017    26.40 ug/L      99
   7) Chloroethane                 2.73   64   355824    24.76 ug/L     100
   8) Dichlorofluoromethane        3.01   67   687161    23.96 ug/L      99
   9) Trichlorofluoromethane       3.05  101   616747    24.87 ug/L     100
  10) 1,1,2-Trichloro-1,2,2-trif   3.74  101   435829    27.87 ug/L      95
  11) 1,1-Dichloroethene           3.72   61   588129    23.42 ug/L      99
  12) Methylene chloride           4.37   84   384085    25.47 ug/L      97
  13) MTBE                         4.71   73   523511    21.00 ug/L     100
  14) T-1,2-dichloroethene         4.72   96   466539    23.79 ug/L      99
  15) 1,1-Dichloroethane           5.29   63   753392    23.74 ug/L      99
  16) 2,2-Dichloropropane          6.10   77   626292    24.03 ug/L #    68
  17) Cis-1,2-dichloroethene       6.11   96   659681    32.75 ug/L      96
  18) Bromochloromethane           6.42  128   124685    20.04 ug/L      97
  19) Chloroform                   6.56   83   660843    23.35 ug/L     100
  20) 1,1,1-Trichloroethane        6.75   97   622816    23.31 ug/L      88
  21) 1,1-Dichloropropene          6.92   75   597589    25.65 ug/L      99
  22) Carbon tetrachloride         6.92  119   443664    22.14 ug/L      99
  24) 1,2-Dichloroethane           7.20   62   254994    22.52 ug/L      99
  25) Benzene                      7.13   78  1714603    24.02 ug/L      99
  27) Trichloroethene              7.77  130   460214    24.53 ug/L      99
  28) 1,2-Dichloropropane          8.00   63   392403    23.71 ug/L      98
  29) Dibromomethane               8.07   93   125819    22.69 ug/L      95
  30) Bromodichloromethane         8.22   83   388793    22.22 ug/L      99
  32) Cis-1,3-dichloropropene      8.55   75   495054    22.38 ug/L      98
  34) Toluene                      8.80   92  1077342    23.75 ug/L      96
  35) Trans-1,3-dichloropropene    8.97   75   332572    21.41 ug/L      99
  36) 1,1,2-Trichloroethane        9.11   97   203711    23.06 ug/L      99
  37) Tetrachloroethene (PCE)      9.17  166   477218    23.50 ug/L      98
  38) 1,3-Dichloropropane          9.22   76   323979    23.34 ug/L     100
  39) Dibromochloromethane         9.37  129   208315    21.77 ug/L      99
  40) 1,2-Dibromoethane            9.46  107   179790    24.86 ug/L      99
  42) Chlorobenzene                9.77  112  1041268    23.53 ug/L      99
  43) 1,1,1,2-Tetrachloroethane    9.83  131   312287    21.52 ug/L      99
  44) Ethylbenzene                 9.83  106   653584    24.04 ug/L      94
  45) P+m-Xylene                   9.91  106  1462711    46.14 ug/L      96
  46) O-Xylene                    10.15  106   730951    23.79 ug/L      97
  47) Styrene                     10.16  104  1089284    23.67 ug/L      97
  48) Bromoform                   10.29  173   101265    22.17 ug/L      98
  49) Isopropylbenzene            10.36  105  1802920    23.09 ug/L      98
  50) 1,1,2,2-Tetrachloroethane   10.54   83   200433    24.91 ug/L      99
  52) 1,2,3-Trichloropropane      10.58  110    45146    22.65 ug/L     100
-------------------------------------------------------------------------
 (#) = qualifier out of range (m) = manual integration
 14JUN09.D  82605C.M      Wed Jun 15 06:05:26 2022                                Page 1
```

```
                              Quantitation Report    (QT Reviewed)

Data File : D:\DATA\JUN2022C\JUN14\14JUN09.D            Vial: 9
Acq On    : 14 Jun 2022   8:29 am                   Operator: MGC
Sample    : B141807-MS1                             Inst    : MS-V5
Misc      : 1 ;2F13019;25ML                         Multiplr: 1.00
MS Integration Params: rteint.p
 Quant Time: Jun 15  6:04 2022             Quant Results File: 82605C.RES

Quant Method : C:\HPCHEM\1...\82605C.M (RTE Integrator)
Title        : EPA Method  8260C/D
Last Update  : Tue Jun 14 08:18:30 2022
Response via : Initial Calibration
DataAcq Meth : 82605


      Compound                         R.T. QIon  Response  Conc Unit   Qvalue
 --------------------------------------------------------------------------
  53) n-propylbenzene                 10.61   91  2020463    24.24 ug/L      97
  54) bromobenzene                    10.57  156   382668    23.61 ug/L      87
  55) 1,3,5-trimethylbenzene          10.71  105  1377676    22.39 ug/L      98
  56) 2-chlorotoluene                 10.67   91  1384569    23.61 ug/L      98
  57) 4-chlorotoluene                 10.75   91  1196361    23.18 ug/L      98
  58) tert-butylbenzene               10.90  119  1347787    21.58 ug/L      93
  59) 1,2,4-trimethylbenzene          10.93  105  1317865    22.23 ug/L      97
  60) sec-butylbenzene                11.02  105  1928488    23.01 ug/L      96
  61) 4-isopropyltoluene              11.09  119  1444023    23.20 ug/L      98
  62) 1,3-Dichlorobenzene             11.11  146   707764    23.53 ug/L      99
  63) 1,4-Dichlorobenzene             11.16  146   696449    23.25 ug/L     100
  64) n-butylbenzene                  11.33   91  1405992    24.35 ug/L      98
  65) 1,2-Dichlorobenzene             11.37  146   599436    23.51 ug/L      99
  66) Hexachloroethane                11.53  117   299511    23.26 ug/L      92
  67) 1,2-dibromo-3-chloropropan      11.80   75    20700    22.48 ug/L      95
  68) 1,2,4-trichlorobenzene          12.24  180   374209    24.31 ug/L      99
  69) hexachlorobutadiene             12.30  225   296997    25.72 ug/L      99
  70) naphthalene                     12.39  128   454649    24.23 ug/L     100
  71) 1,2,3-trichlorobenzene          12.50  180   305848    24.81 ug/L      98
```

```
 --------------------------------------------------------------------------
 (#) = qualifier out of range (m) = manual integration
 14JUN09.D  82605C.M      Wed Jun 15 06:05:26 2022                               Page 2
```

Quantitation Report

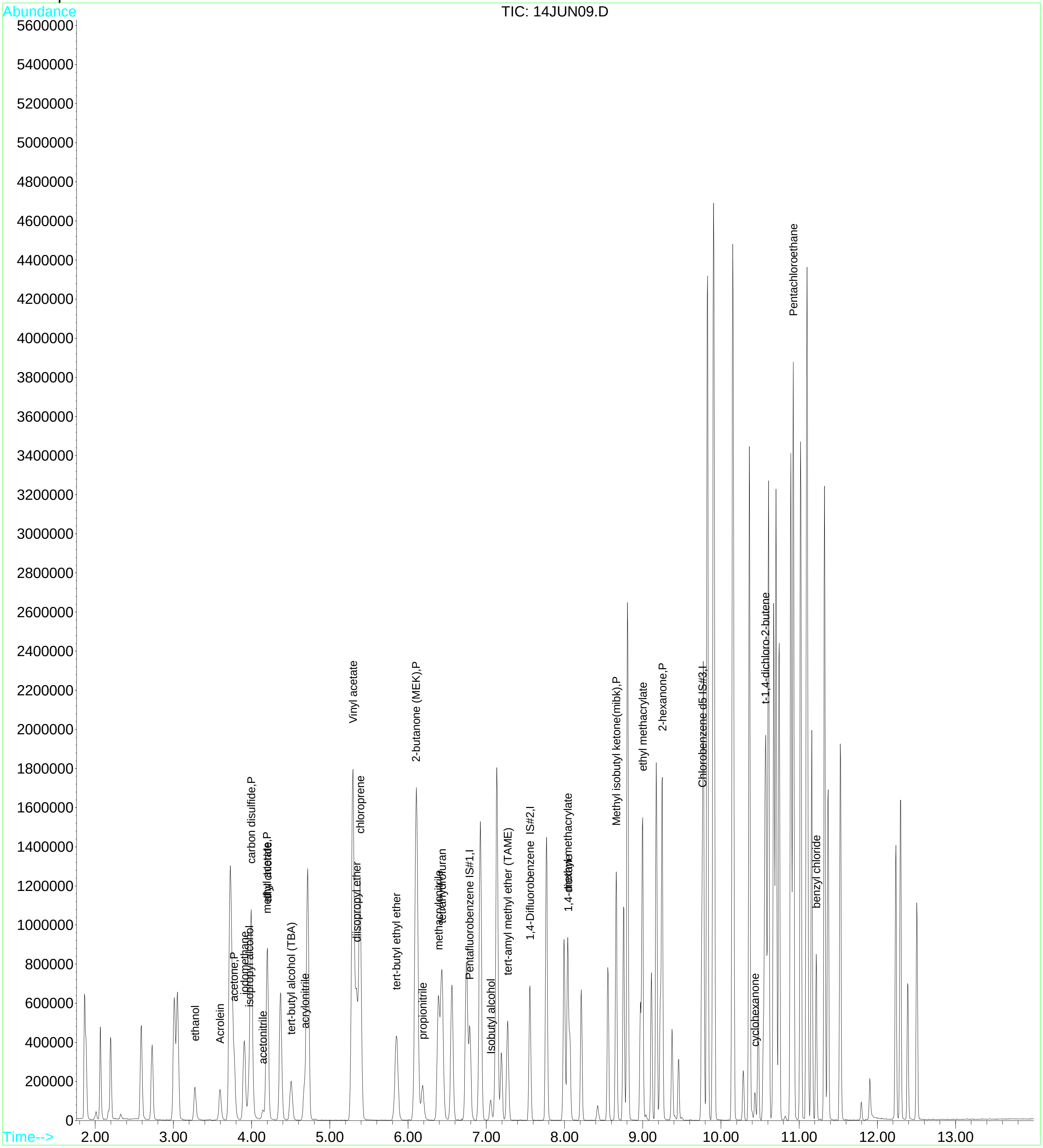
```
Data File : D:\DATA\JUN2022C\JUN14\14JUN09.D              Vial: 9
Acq On    : 14 Jun 2022   8:29 am                     Operator: MGC
Sample    : B141807-MS1                               Inst    : MS-V5
Misc      : 1 ;2F13019;25ML                           Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jun 15  6:04 2022               Quant Results File: 82605C.RES

Method       : C:\HPCHEM\1\METHODS\C\202206\10-1156\82605C.M (RTE Integrator)
Title        : EPA Method  8260C/D
Last Update  : Tue Jun 14 08:18:30 2022
Response via : Initial Calibration
```



```
                              Quantitation Report    (QT Reviewed)

Data File : D:\DATA\JUN2022C\JUN14\14JUN09.D            Vial: 9
Acq On    : 14 Jun 2022   8:29 am                   Operator: MGC
Sample    : B141807-MS1                             Inst    : MS-V5
Misc      : 1 ;2F13019;25ML                         Multiplr: 1.00
MS Integration Params: rteint.p
 Quant Time: Jun 15  6:06 2022            Quant Results File: 82605CX.RES

Quant Method : C:\HPCHEM\1...\82605CX.M (RTE Integrator)
Title        : EPA Method 8260C/DX
Last Update  : Tue Jun 14 08:47:02 2022
Response via : Initial Calibration
DataAcq Meth : 82605

 Internal Standards                  R.T. QIon  Response  Conc Units Dev(Min)
 ----------------------------------------------------------------------------
   1) Pentafluorobenzene IS#1        6.79  137    52671    10.00 ug/L   -0.03
  29) 1,4-Difluorobenzene  IS#2      7.55   63   104601    10.00 ug/L   -0.02
  36) Chlorobenzene d5 IS#3          9.76  119   134257    10.00 ug/L   -0.01

 Target Compounds                                                     Qvalue
   2) ethanol                        3.28   45   205463  3950.41 ug/L     100
   6) isopropyl alcohol              3.96   45   245660   951.63 ug/L      96
   7) Acrolein                       3.59   56   179284   238.39 ug/L      78
   8) acetone                        3.78   43   392011   358.86 ug/L      99
   9) tert-butyl alcohol (TBA)       4.51   59   306028   789.05 ug/L     100
  10) acetonitrile                   4.14   41    83655   162.41 ug/L #   100
  11) methyl acetate                 4.19   43    10912     3.05 ug/L #    68
  12) allyl chloride                 4.20   41  1098953    36.69 ug/L      98
  13) iodomethane                    3.91  142   596816    28.73 ug/L      97
  14) acrylonitrile                  4.68   53   155530    83.92 ug/L      95
  15) carbon disulfide               3.99   76  1856712    38.18 ug/L      99
  17) diisopropyl ether              5.34   87   228130    18.32 ug/L     100
  18) Vinyl acetate                  5.30   43  2606502   182.93 ug/L     100
  19) chloroprene                    5.39   53   984486    37.99 ug/L      99
  20) tert-butyl ethyl ether         5.85   59   563481    16.76 ug/L      99
  21) 2-butanone (MEK)               6.09   43   322390   161.88 ug/L      98
  22) propionitrile                  6.19   54   257373   399.97 ug/L     100
  23) Isobutyl alcohol               7.06   43    76598   356.60 ug/L      99
  24) methacrylonitrile              6.39   67   386915   171.75 ug/L      99
  26) tetrahydrofuran                6.44   42   443180   341.71 ug/L      99
  28) tert-amyl methyl ether (TA     7.27   73   419436    15.65 ug/L      96
  30) methyl methacrylate            8.04   69   345518    81.75 ug/L      98
  32) 1,4-dioxane                    8.05   88    92765  1954.01 ug/L      99
  33) Methyl isobutyl ketone(mib     8.66   43   725244   160.14 ug/L      98
  34) ethyl methacrylate             9.00   69   748931    81.64 ug/L      97
  35) 2-hexanone                     9.25   43   923958   318.61 ug/L      99
  38) cyclohexanone                 10.43   55    52781   141.56 ug/L      99
  39) t-1,4-dichloro-2-butene       10.56   75   250516m   98.58 ug/L
  41) Pentachloroethane             10.93  167   153190    29.99 ug/L #    83
  42) benzyl chloride               11.22   91   510948    37.32 ug/L      99

 ----------------------------------------------------------------------------
 (#) = qualifier out of range (m) = manual integration
 14JUN09.D  82605CX.M      Wed Jun 15 06:06:37 2022                             Page 1
```

Quantitation Report

```
Data File : D:\DATA\JUN2022C\JUN14\14JUN09.D           Vial: 9
Acq On    : 14 Jun 2022   8:29 am                  Operator: MGC
Sample    : B141807-MS1                            Inst    : MS-V5
Misc      : 1 ;2F13019;25ML                        Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jun 15  6:06 2022              Quant Results File: 82605CX.RES

Method       : C:\HPCHEM\1\METHODS\C\202206\10-1632\82605CX.M (RTE Integrator)
Title        : EPA Method 8260C/DX
Last Update  : Tue Jun 14 08:47:02 2022
Response via : Initial Calibration
```



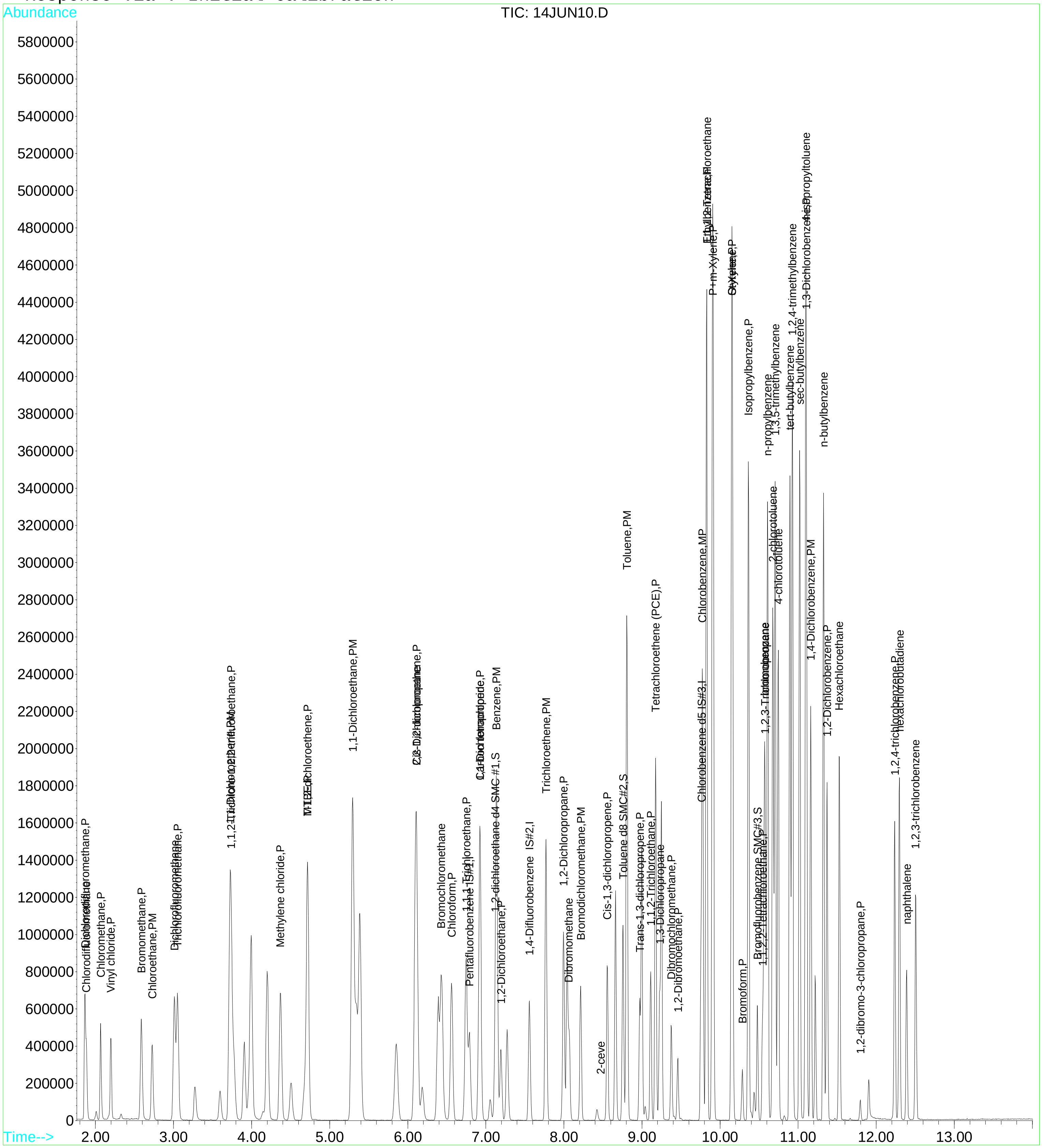
Raw Data - Matrix Spike Duplicate

```
                              Quantitation Report    (QT Reviewed)

Data File : D:\DATA\JUN2022C\JUN14\14JUN10.D            Vial: 10
Acq On    : 14 Jun 2022   8:53 am                   Operator: MGC
Sample    : B141807-MSD1                            Inst    : MS-V5
Misc      : 1 ;2F13019;25ML                         Multiplr: 1.00
MS Integration Params: rteint.p
 Quant Time: Jun 15  6:06 2022           Quant Results File: 82605C.RES

Quant Method : C:\HPCHEM\1...\82605C.M (RTE Integrator)
Title        : EPA Method  8260C/D
Last Update  : Tue Jun 14 08:18:30 2022
Response via : Initial Calibration
DataAcq Meth : 82605

 Internal Standards                R.T. QIon  Response  Conc Units Dev(Min)
---------------------------------------------------------------------------
  1) Pentafluorobenzene IS#1      6.79  137    51558    10.00 ug/L   -0.02
 26) 1,4-Difluorobenzene  IS#2    7.56   63   100216    10.00 ug/L   -0.01
 41) Chlorobenzene d5 IS#3        9.76  119   132368    10.00 ug/L   -0.01

 System Monitoring Compounds
 23) 1,2-dichloroethane d4 SMC    7.11   65    86923     9.80 ug/L   -0.01
  Spiked Amount     10.000   Range  75 - 125    Recovery   =   98.00%
 33) Toluene d8 SMC#2             8.76   98   603810    10.38 ug/L   -0.01
  Spiked Amount     10.000   Range  80 - 120    Recovery   =  103.80%
 51) Bromofluorobenzene SMC#3    10.47   95   184028     9.90 ug/L   -0.02
  Spiked Amount     10.000   Range  80 - 120    Recovery   =   99.00%

 Target Compounds                                                 Qvalue
  2) Dichlorodifluoromethane      1.86   85   461440    26.56 ug/L     100
  3) Chlorodifluoromethane        1.88   51   357785    24.54 ug/L      97
  4) Chloromethane                2.07   50   381599    24.68 ug/L      99
  5) Vinyl chloride               2.20   62   357345    24.98 ug/L      98
  6) Bromomethane                 2.59   94   366687    30.06 ug/L     100
  7) Chloroethane                 2.73   64   377334    26.82 ug/L      99
  8) Dichlorofluoromethane        3.01   67   719166    25.62 ug/L     100
  9) Trichlorofluoromethane       3.05  101   648099    26.70 ug/L     100
 10) 1,1,2-Trichloro-1,2,2-trif   3.74  101   444805    29.06 ug/L      96
 11) 1,1-Dichloroethene           3.72   61   613700    24.96 ug/L      99
 12) Methylene chloride           4.37   84   403697    27.37 ug/L      97
 13) MTBE                         4.71   73   584069    23.94 ug/L      99
 14) T-1,2-dichloroethene         4.72   96   481829    25.10 ug/L     100
 15) 1,1-Dichloroethane           5.29   63   790509    25.45 ug/L     100
 16) 2,2-Dichloropropane          6.11   77   652411    25.58 ug/L      80
 17) Cis-1,2-dichloroethene       6.10   96   620566    31.48 ug/L      97
 18) Bromochloromethane           6.43  128   141713    23.27 ug/L      99
 19) Chloroform                   6.56   83   704931    25.44 ug/L      99
 20) 1,1,1-Trichloroethane        6.74   97   660836    25.27 ug/L      91
 21) 1,1-Dichloropropene          6.93   75   618568    27.12 ug/L      99
 22) Carbon tetrachloride         6.92  119   473862    24.16 ug/L      99
 24) 1,2-Dichloroethane           7.20   62   279672    25.23 ug/L      98
 25) Benzene                      7.13   78  1798309    25.74 ug/L      98
 27) Trichloroethene              7.77  130   476458    26.50 ug/L      98
 28) 1,2-Dichloropropane          7.99   63   416876    26.29 ug/L      97
 29) Dibromomethane               8.07   93   138684    26.10 ug/L      94
 30) Bromodichloromethane         8.22   83   412382    24.60 ug/L      98
 31) 2-ceve                       8.47   63      632     0.14 ug/L #     1
 32) Cis-1,3-dichloropropene      8.55   75   530517    25.03 ug/L      98
 34) Toluene                      8.80   92  1139255    26.22 ug/L      97
 35) Trans-1,3-dichloropropene    8.97   75   360624    24.23 ug/L      99
 36) 1,1,2-Trichloroethane        9.11   97   227598    26.89 ug/L      98
 37) Tetrachloroethene (PCE)      9.17  166   496923    25.54 ug/L      99
 38) 1,3-Dichloropropane          9.22   76   352428    26.50 ug/L     100
 39) Dibromochloromethane         9.37  129   230019    25.09 ug/L      99
 40) 1,2-Dibromoethane            9.46  107   195712    28.25 ug/L      98
 42) Chlorobenzene                9.78  112  1096706    25.13 ug/L      99
 43) 1,1,1,2-Tetrachloroethane    9.83  131   335409    23.44 ug/L      99
 44) Ethylbenzene                 9.83  106   675406    25.20 ug/L      95
 45) P+m-Xylene                   9.91  106  1520549    48.64 ug/L      98
 46) O-Xylene                    10.15  106   768045    25.36 ug/L      98
 47) Styrene                     10.16  104  1142884    25.19 ug/L      98
 48) Bromoform                   10.29  173   109119    24.23 ug/L      99
 49) Isopropylbenzene            10.36  105  1838860    23.89 ug/L      98
 50) 1,1,2,2-Tetrachloroethane   10.54   83   215193    27.12 ug/L      99
---------------------------------------------------------------------------
 (#) = qualifier out of range (m) = manual integration
 14JUN10.D  82605C.M      Wed Jun 15 06:07:05 2022                                Page 1
```

```
                              Quantitation Report    (QT Reviewed)

Data File : D:\DATA\JUN2022C\JUN14\14JUN10.D            Vial: 10
Acq On    : 14 Jun 2022   8:53 am                   Operator: MGC
Sample    : B141807-MSD1                            Inst    : MS-V5
Misc      : 1 ;2F13019;25ML                         Multiplr: 1.00
MS Integration Params: rteint.p
 Quant Time: Jun 15  6:06 2022            Quant Results File: 82605C.RES

Quant Method : C:\HPCHEM\1...\82605C.M (RTE Integrator)
Title        : EPA Method  8260C/D
Last Update  : Tue Jun 14 08:18:30 2022
Response via : Initial Calibration
DataAcq Meth : 82605


      Compound                     R.T. QIon  Response  Conc Unit   Qvalue
 -------------------------------------------------------------------------
  52) 1,2,3-Trichloropropane      10.58  110     50494    25.70 ug/L      98
  53) n-propylbenzene             10.61   91   2085668    25.63 ug/L      97
  54) bromobenzene                10.57  156    394438    24.68 ug/L      86
  55) 1,3,5-trimethylbenzene      10.71  105   1439688    23.73 ug/L      99
  56) 2-chlorotoluene             10.67   91   1458544    25.22 ug/L      98
  57) 4-chlorotoluene             10.75   91   1251750    24.60 ug/L      98
  58) tert-butylbenzene           10.89  119   1622190    26.34 ug/L      95
  59) 1,2,4-trimethylbenzene      10.93  105   1397025    23.91 ug/L      98
  60) sec-butylbenzene            11.02  105   1968910    23.83 ug/L      96
  61) 4-isopropyltoluene          11.09  119   1497668    24.41 ug/L      98
  62) 1,3-Dichlorobenzene         11.11  146    765527    25.82 ug/L     100
  63) 1,4-Dichlorobenzene         11.16  146    750255    25.41 ug/L      99
  64) n-butylbenzene              11.33   91   1448973    25.45 ug/L      98
  65) 1,2-Dichlorobenzene         11.37  146    656267    26.10 ug/L      99
  66) Hexachloroethane            11.53  117    308098    24.27 ug/L      93
  67) 1,2-dibromo-3-chloropropan  11.79   75     23902    26.32 ug/L      97
  68) 1,2,4-trichlorobenzene      12.24  180    416971    27.47 ug/L     100
  69) hexachlorobutadiene         12.30  225    318858    28.00 ug/L      98
  70) naphthalene                 12.39  128    522156    28.22 ug/L     100
  71) 1,2,3-trichlorobenzene      12.51  180    347797    28.61 ug/L      97

 -------------------------------------------------------------------------
 (#) = qualifier out of range (m) = manual integration
```

Quantitation Report

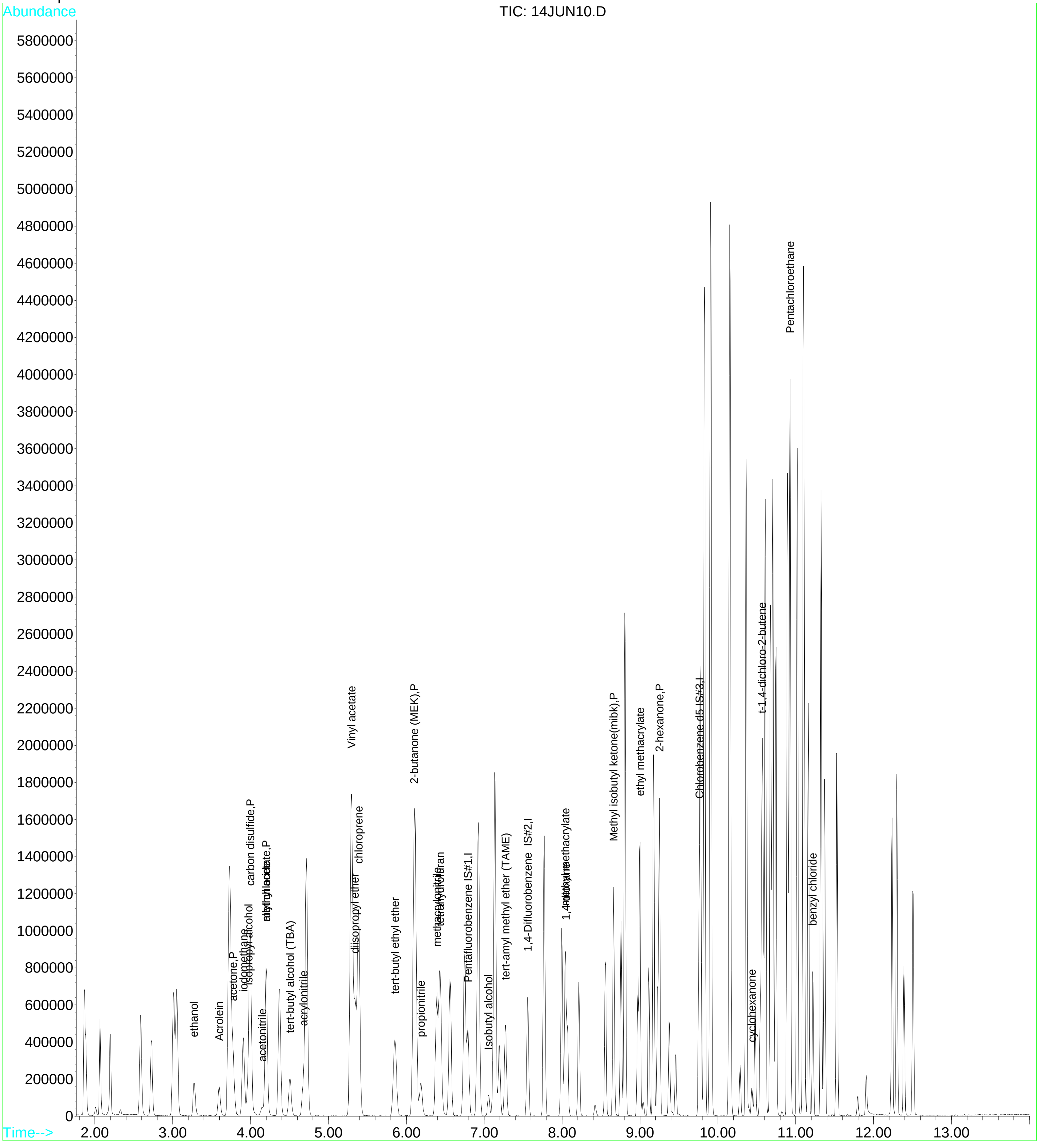
```
Data File : D:\DATA\JUN2022C\JUN14\14JUN10.D            Vial: 10
Acq On    : 14 Jun 2022   8:53 am                   Operator: MGC
Sample    : B141807-MSD1                            Inst    : MS-V5
Misc      : 1 ;2F13019;25ML                         Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jun 15  6:06 2022             Quant Results File: 82605C.RES

Method       : C:\HPCHEM\1\METHODS\C\202206\10-1156\82605C.M (RTE Integrator)
Title        : EPA Method  8260C/D
Last Update  : Tue Jun 14 08:18:30 2022
Response via : Initial Calibration
```



```
                             Quantitation Report    (QT Reviewed)

Data File : D:\DATA\JUN2022C\JUN14\14JUN10.D            Vial: 10
Acq On    : 14 Jun 2022   8:53 am                   Operator: MGC
Sample    : B141807-MSD1                            Inst    : MS-V5
Misc      : 1 ;2F13019;25ML                         Multiplr: 1.00
MS Integration Params: rteint.p
 Quant Time: Jun 15  6:08 2022             Quant Results File: 82605CX.RES

Quant Method : C:\HPCHEM\1...\82605CX.M (RTE Integrator)
Title        : EPA Method 8260C/DX
Last Update  : Tue Jun 14 08:47:02 2022
Response via : Initial Calibration
DataAcq Meth : 82605

 Internal Standards                R.T. QIon  Response  Conc Units Dev(Min)
 --------------------------------------------------------------------------
   1) Pentafluorobenzene IS#1      6.79  137    51558    10.00 ug/L   -0.02
  29) 1,4-Difluorobenzene  IS#2    7.56   63   100216    10.00 ug/L   -0.01
  36) Chlorobenzene d5 IS#3        9.76  119   132368    10.00 ug/L   -0.01

 Target Compounds                                                   Qvalue
   2) ethanol                      3.27   45   222456  4369.46 ug/L       99
   6) isopropyl alcohol            3.97   45   261756  1035.87 ug/L       90
   7) Acrolein                     3.60   56   183869   249.77 ug/L       77
   8) acetone                      3.78   43   382141   357.37 ug/L      100
   9) tert-butyl alcohol (TBA)     4.51   59   317844   837.21 ug/L      100
  10) acetonitrile                 4.15   41    73711   146.19 ug/L #    100
  11) methyl acetate               4.19   43    10977     3.13 ug/L #     74
  12) allyl chloride               4.20   41  1004450    34.25 ug/L       99
  13) iodomethane                  3.91  142   597186    29.35 ug/L       98
  14) acrylonitrile                4.67   53   155951    85.96 ug/L       97
  15) carbon disulfide             3.99   76  1696261    35.63 ug/L       99
  17) diisopropyl ether            5.34   87   217867    17.87 ug/L       97
  18) Vinyl acetate                5.29   43  2465763   176.79 ug/L      100
  19) chloroprene                  5.38   53   884199    34.86 ug/L       98
  20) tert-butyl ethyl ether       5.85   59   538141    16.36 ug/L       99
  21) 2-butanone (MEK)             6.09   43   309794   158.91 ug/L       97
  22) propionitrile                6.19   54   270291   429.11 ug/L       99
  23) Isobutyl alcohol             7.05   43    81929   389.65 ug/L       99
  24) methacrylonitrile            6.39   67   369434   167.53 ug/L       99
  26) tetrahydrofuran              6.44   42   416139   327.78 ug/L       99
  28) tert-amyl methyl ether (TA   7.27   73   410768    15.66 ug/L       95
  30) methyl methacrylate          8.04   69   328819    81.21 ug/L       99
  32) 1,4-dioxane                  8.05   88   100251  2204.09 ug/L       96
  33) Methyl isobutyl ketone(mib   8.66   43   701019   161.56 ug/L       98
  34) ethyl methacrylate           9.00   69   716060    81.47 ug/L       98
  35) 2-hexanone                   9.25   43   896290   322.60 ug/L       98
  38) cyclohexanone               10.43   55    53184   144.67 ug/L      100
  39) t-1,4-dichloro-2-butene     10.56   75   231624m   92.45 ug/L
  41) Pentachloroethane           10.93  167   137730    27.35 ug/L #     82
  42) benzyl chloride             11.22   91   474947    35.19 ug/L       98










 --------------------------------------------------------------------------
 (#) = qualifier out of range (m) = manual integration
```

Quantitation Report

```
Data File : D:\DATA\JUN2022C\JUN14\14JUN10.D            Vial: 10
Acq On    : 14 Jun 2022   8:53 am                   Operator: MGC
Sample    : B141807-MSD1                            Inst    : MS-V5
Misc      : 1 ;2F13019;25ML                         Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jun 15  6:08 2022             Quant Results File: 82605CX.RES

Method       : C:\HPCHEM\1\METHODS\C\202206\10-1632\82605CX.M (RTE Integrator)
Title        : EPA Method 8260C/DX
Last Update  : Tue Jun 14 08:47:02 2022
Response via : Initial Calibration
```



Raw Data - Lab Control Sample

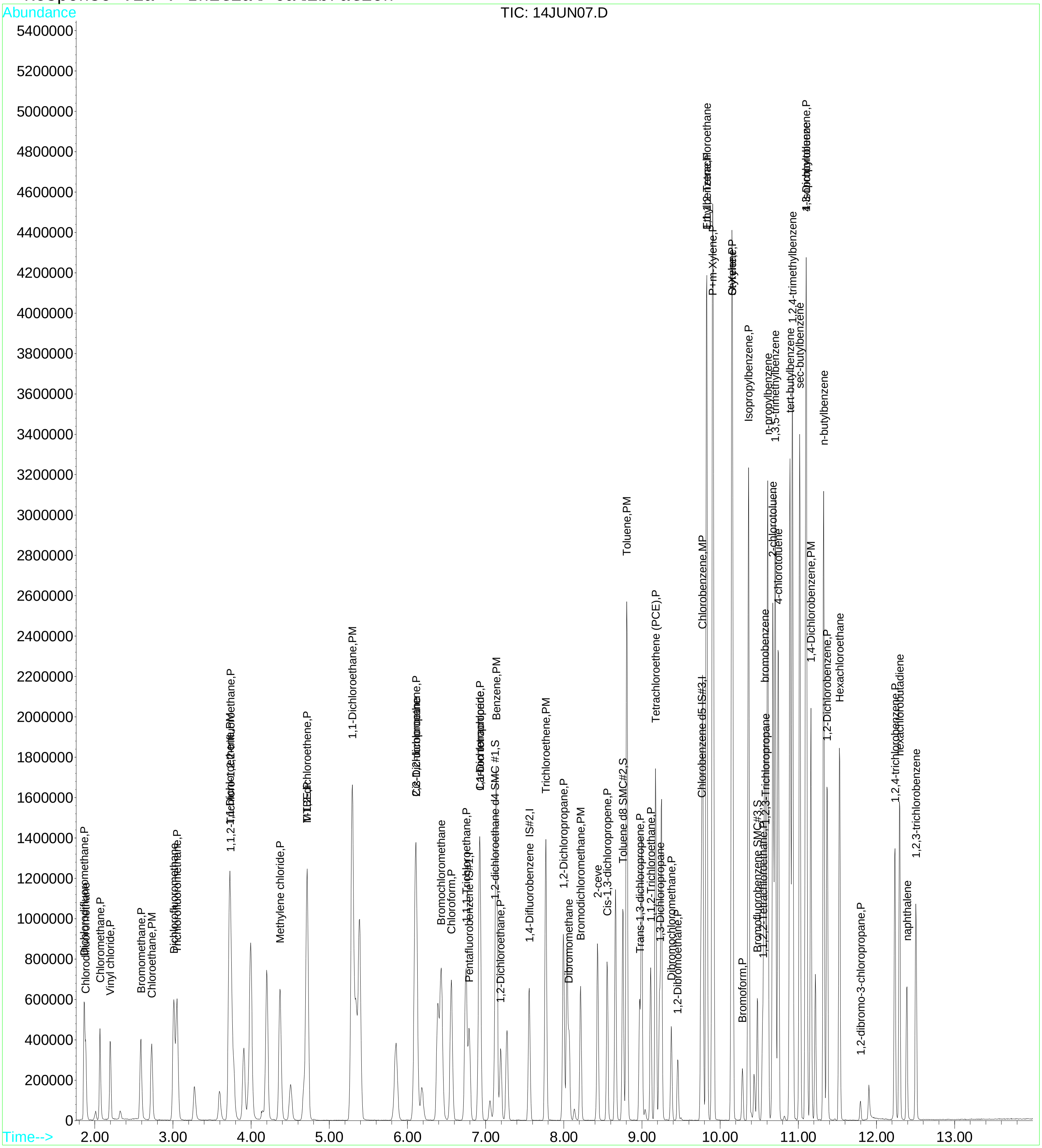
```
                              Quantitation Report    (QT Reviewed)

Data File : D:\DATA\JUN2022C\JUN14\14JUN07.D            Vial: 7
Acq On    : 14 Jun 2022   7:40 am                   Operator: MGC
Sample    : B141807-BS1                             Inst    : MS-V5
Misc      : 1 ;2F13019;25ML                         Multiplr: 1.00
MS Integration Params: rteint.p
 Quant Time: Jun 15  6:01 2022            Quant Results File: 82605C.RES

Quant Method : C:\HPCHEM\1...\82605C.M (RTE Integrator)
Title        : EPA Method  8260C/D
Last Update  : Tue Jun 14 08:18:30 2022
Response via : Initial Calibration
DataAcq Meth : 82605

 Internal Standards                R.T. QIon  Response  Conc Units Dev(Min)
-----------------------------------------------------------------------------
   1) Pentafluorobenzene IS#1      6.79  137    48400    10.00 ug/L   -0.02
  26) 1,4-Difluorobenzene  IS#2    7.56   63    98158    10.00 ug/L   -0.01
  41) Chlorobenzene d5 IS#3        9.76  119   128818    10.00 ug/L   -0.01

 System Monitoring Compounds
  23) 1,2-dichloroethane d4 SMC    7.11   65    81348     9.77 ug/L   -0.01
   Spiked Amount     10.000   Range  75 - 125    Recovery   =   97.70%
  33) Toluene d8 SMC#2             8.76   98   599315    10.52 ug/L   -0.01
   Spiked Amount     10.000   Range  80 - 120    Recovery   =  105.20%
  51) Bromofluorobenzene SMC#3    10.48   95   177136     9.79 ug/L   -0.02
   Spiked Amount     10.000   Range  80 - 120    Recovery   =   97.90%

 Target Compounds                                                 Qvalue
   2) Dichlorodifluoromethane      1.86   85   407829    25.01 ug/L      99
   3) Chlorodifluoromethane        1.88   51   326617    23.86 ug/L     100
   4) Chloromethane                2.07   50   350657    24.16 ug/L      99
   5) Vinyl chloride               2.20   62   317405    23.63 ug/L      99
   6) Bromomethane                 2.59   94   266703    23.29 ug/L      99
   7) Chloroethane                 2.73   64   344449    26.08 ug/L      98
   8) Dichlorofluoromethane        3.01   67   665175    25.24 ug/L      98
   9) Trichlorofluoromethane       3.05  101   564454    24.77 ug/L      99
  10) 1,1,2-Trichloro-1,2,2-trif   3.74  101   400110    27.85 ug/L      95
  11) 1,1-Dichloroethene           3.72   61   562393    24.37 ug/L     100
  12) Methylene chloride           4.37   84   374006    27.01 ug/L     100
  13) MTBE                         4.71   73   522041    22.79 ug/L     100
  14) T-1,2-dichloroethene         4.72   96   439592    24.39 ug/L      99
  15) 1,1-Dichloroethane           5.29   63   742347    25.46 ug/L     100
  16) 2,2-Dichloropropane          6.11   77   587737    24.55 ug/L      98
  17) Cis-1,2-dichloroethene       6.10   96   462373    24.98 ug/L     100
  18) Bromochloromethane           6.42  128   128748    22.52 ug/L      95
  19) Chloroform                   6.56   83   649094    24.95 ug/L      99
  20) 1,1,1-Trichloroethane        6.75   97   574846    23.41 ug/L      87
  21) 1,1-Dichloropropene          6.93   75   563649    26.33 ug/L      99
  22) Carbon tetrachloride         6.92  119   407977    22.16 ug/L      99
  24) 1,2-Dichloroethane           7.19   62   255316    24.54 ug/L      98
  25) Benzene                      7.13   78  1691466    25.79 ug/L      98
  27) Trichloroethene              7.77  130   433966    24.65 ug/L      98
  28) 1,2-Dichloropropane          8.00   63   390959    25.17 ug/L      98
  29) Dibromomethane               8.07   93   125636    24.14 ug/L      95
  30) Bromodichloromethane         8.22   83   378891    23.08 ug/L      99
  31) 2-ceve                       8.43   63   297094    67.97 ug/L      98
  32) Cis-1,3-dichloropropene      8.55   75   500234    24.10 ug/L      99
  34) Toluene                      8.81   92  1054921    24.79 ug/L      96
  35) Trans-1,3-dichloropropene    8.97   75   340306    23.34 ug/L      99
  36) 1,1,2-Trichloroethane        9.11   97   207271    25.00 ug/L      99
  37) Tetrachloroethene (PCE)      9.17  166   445254    23.36 ug/L      97
  38) 1,3-Dichloropropane          9.23   76   330850    25.40 ug/L     100
  39) Dibromochloromethane         9.37  129   207435    23.10 ug/L      98
  40) 1,2-Dibromoethane            9.46  107   178475    26.30 ug/L      99
  42) Chlorobenzene                9.78  112  1021892    24.06 ug/L      99
  43) 1,1,1,2-Tetrachloroethane    9.83  131   304678    21.88 ug/L     100
  44) Ethylbenzene                 9.83  106   635979    24.38 ug/L      96
  45) P+m-Xylene                   9.91  106  1448823    47.63 ug/L      98
  46) O-Xylene                    10.15  106   723026    24.53 ug/L      98
  47) Styrene                     10.16  104  1077500    24.41 ug/L      97
  48) Bromoform                   10.29  173    98324    22.44 ug/L      99
  49) Isopropylbenzene            10.36  105  1748259    23.34 ug/L      97
  50) 1,1,2,2-Tetrachloroethane   10.54   83   205514    26.62 ug/L      98
-----------------------------------------------------------------------------
 (#) = qualifier out of range (m) = manual integration
 14JUN07.D  82605C.M      Wed Jun 15 06:01:18 2022                                Page 1
```

```
                              Quantitation Report    (QT Reviewed)

Data File : D:\DATA\JUN2022C\JUN14\14JUN07.D            Vial: 7
Acq On    : 14 Jun 2022   7:40 am                   Operator: MGC
Sample    : B141807-BS1                             Inst    : MS-V5
Misc      : 1 ;2F13019;25ML                         Multiplr: 1.00
MS Integration Params: rteint.p
 Quant Time: Jun 15  6:01 2022             Quant Results File: 82605C.RES

Quant Method : C:\HPCHEM\1...\82605C.M (RTE Integrator)
Title        : EPA Method  8260C/D
Last Update  : Tue Jun 14 08:18:30 2022
Response via : Initial Calibration
DataAcq Meth : 82605


      Compound                     R.T. QIon  Response  Conc Unit   Qvalue
 -------------------------------------------------------------------------
  52) 1,2,3-Trichloropropane      10.59  110     46005    24.06 ug/L      98
  53) n-propylbenzene             10.61   91   1984528    24.93 ug/L      96
  54) bromobenzene                10.57  156    377608    24.28 ug/L      87
  55) 1,3,5-trimethylbenzene      10.71  105   1356514    22.98 ug/L      98
  56) 2-chlorotoluene             10.68   91   1348905    23.97 ug/L      97
  57) 4-chlorotoluene             10.74   91   1174416    23.72 ug/L      98
  58) tert-butylbenzene           10.90  119   1301238    21.71 ug/L      93
  59) 1,2,4-trimethylbenzene      10.93  105   1305943    22.96 ug/L      98
  60) sec-butylbenzene            11.02  105   1855885    23.08 ug/L      96
  61) 4-isopropyltoluene          11.10  119   1395132    23.36 ug/L      98
  62) 1,3-Dichlorobenzene         11.11  146    708474    24.55 ug/L     100
  63) 1,4-Dichlorobenzene         11.16  146    690565    24.03 ug/L      99
  64) n-butylbenzene              11.33   91   1357532    24.50 ug/L      98
  65) 1,2-Dichlorobenzene         11.37  146    605667    24.76 ug/L     100
  66) Hexachloroethane            11.53  117    286900    23.22 ug/L      92
  67) 1,2-dibromo-3-chloropropan  11.80   75     21442    24.26 ug/L      91
  68) 1,2,4-trichlorobenzene      12.24  180    365955    24.77 ug/L      99
  69) hexachlorobutadiene         12.30  225    280176    25.28 ug/L      98
  70) naphthalene                 12.39  128    442957    24.60 ug/L     100
  71) 1,2,3-trichlorobenzene      12.50  180    294717    24.91 ug/L      99
```

```
 -------------------------------------------------------------------------
 (#) = qualifier out of range (m) = manual integration
```

Quantitation Report

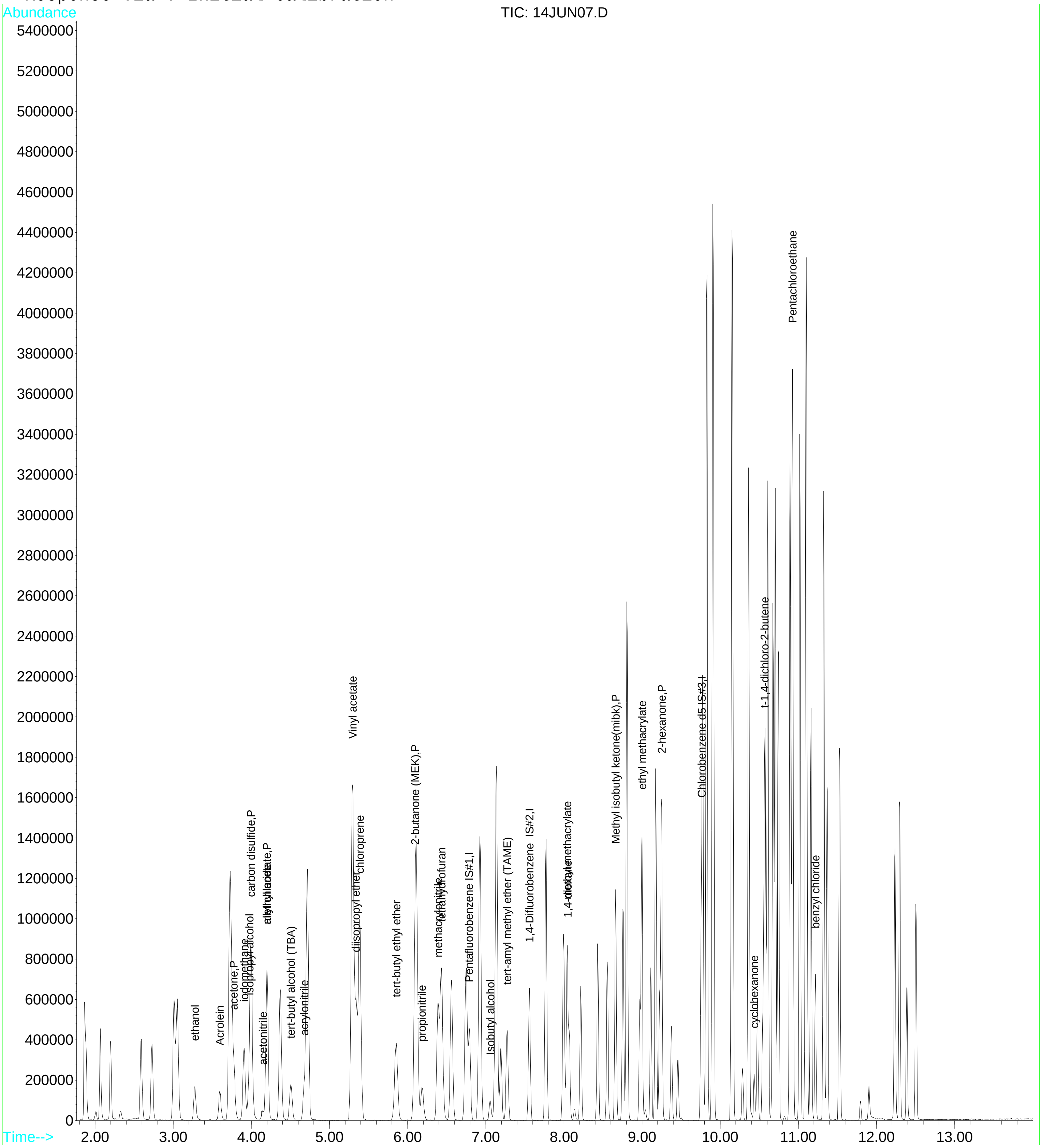
```
Data File : D:\DATA\JUN2022C\JUN14\14JUN07.D          Vial: 7
Acq On    : 14 Jun 2022   7:40 am                   Operator: MGC
Sample    : B141807-BS1                             Inst    : MS-V5
Misc      : 1 ;2F13019;25ML                         Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jun 15  6:01 2022            Quant Results File: 82605C.RES

Method       : C:\HPCHEM\1\METHODS\C\202206\10-1156\82605C.M (RTE Integrator)
Title        : EPA Method  8260C/D
Last Update  : Tue Jun 14 08:18:30 2022
Response via : Initial Calibration
```



```
                             Quantitation Report    (QT Reviewed)

Data File : D:\DATA\JUN2022C\JUN14\14JUN07.D            Vial: 7
Acq On    : 14 Jun 2022   7:40 am                   Operator: MGC
Sample    : B141807-BS1                             Inst    : MS-V5
Misc      : 1 ;2F13019;25ML                         Multiplr: 1.00
MS Integration Params: rteint.p
 Quant Time: Jun 15  6:02 2022           Quant Results File: 82605CX.RES

Quant Method : C:\HPCHEM\1...\82605CX.M (RTE Integrator)
Title        : EPA Method 8260C/DX
Last Update  : Tue Jun 14 08:47:02 2022
Response via : Initial Calibration
DataAcq Meth : 82605

 Internal Standards                R.T. QIon  Response  Conc Units Dev(Min)
 ---------------------------------------------------------------------------
   1) Pentafluorobenzene IS#1      6.79  137    48400    10.00 ug/L   -0.02
  29) 1,4-Difluorobenzene  IS#2    7.56   63    98158    10.00 ug/L   -0.01
  36) Chlorobenzene d5 IS#3        9.76  119   128818    10.00 ug/L   -0.01

 Target Compounds                                                   Qvalue
   2) ethanol                      3.28   45   205966  4309.53 ug/L      98
   6) isopropyl alcohol            3.97   45   197582   832.93 ug/L      94
   7) Acrolein                     3.59   56   168207   243.40 ug/L      77
   8) acetone                      3.78   43   318847   317.64 ug/L     100
   9) tert-butyl alcohol (TBA)     4.50   59   279530   784.33 ug/L     100
  10) acetonitrile                 4.15   41    75600   159.72 ug/L #   100
  11) methyl acetate               4.19   43    11756     3.57 ug/L      88
  12) allyl chloride               4.20   41   944043    34.29 ug/L      96
  13) iodomethane                  3.91  142   522595    27.41 ug/L      95
  14) acrylonitrile                4.67   53   144162    84.65 ug/L      97
  15) carbon disulfide             3.99   76  1527056    34.17 ug/L      98
  17) diisopropyl ether            5.34   87   199841    17.46 ug/L      95
  18) Vinyl acetate                5.30   43  2387371   182.34 ug/L      99
  19) chloroprene                  5.39   53   804217    33.78 ug/L     100
  20) tert-butyl ethyl ether       5.85   59   493955    15.99 ug/L      99
  21) 2-butanone (MEK)             6.09   43   297833   162.74 ug/L      99
  22) propionitrile                6.19   54   245063   414.45 ug/L      98
  23) Isobutyl alcohol             7.05   43    73068   370.18 ug/L      99
  24) methacrylonitrile            6.39   67   348483   168.34 ug/L      97
  26) tetrahydrofuran              6.44   42   405497   340.24 ug/L      97
  28) tert-amyl methyl ether (TA   7.27   73   371072    15.07 ug/L      95
  30) methyl methacrylate          8.04   69   307922    77.64 ug/L      99
  32) 1,4-dioxane                  8.05   88    88683  1990.64 ug/L      98
  33) Methyl isobutyl ketone(mib   8.66   43   667851   157.14 ug/L      96
  34) ethyl methacrylate           9.00   69   665866    77.35 ug/L      96
  35) 2-hexanone                   9.25   43   843232   309.86 ug/L      97
  38) cyclohexanone               10.43   55    79861   223.23 ug/L     100
  39) t-1,4-dichloro-2-butene     10.56   75   258037m  105.83 ug/L
  41) Pentachloroethane           10.93  167   125469    25.60 ug/L #    81
  42) benzyl chloride             11.22   91   438503    33.38 ug/L      98

 ---------------------------------------------------------------------------
 (#) = qualifier out of range (m) = manual integration
```

Quantitation Report

```
Data File : D:\DATA\JUN2022C\JUN14\14JUN07.D          Vial: 7
Acq On    : 14 Jun 2022   7:40 am                Operator: MGC
Sample    : B141807-BS1                          Inst    : MS-V5
Misc      : 1 ;2F13019;25ML                      Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jun 15  6:02 2022            Quant Results File: 82605CX.RES

Method       : C:\HPCHEM\1\METHODS\C\202206\10-1632\82605CX.M (RTE Integrator)
Title        : EPA Method 8260C/DX
Last Update  : Tue Jun 14 08:47:02 2022
Response via : Initial Calibration
```



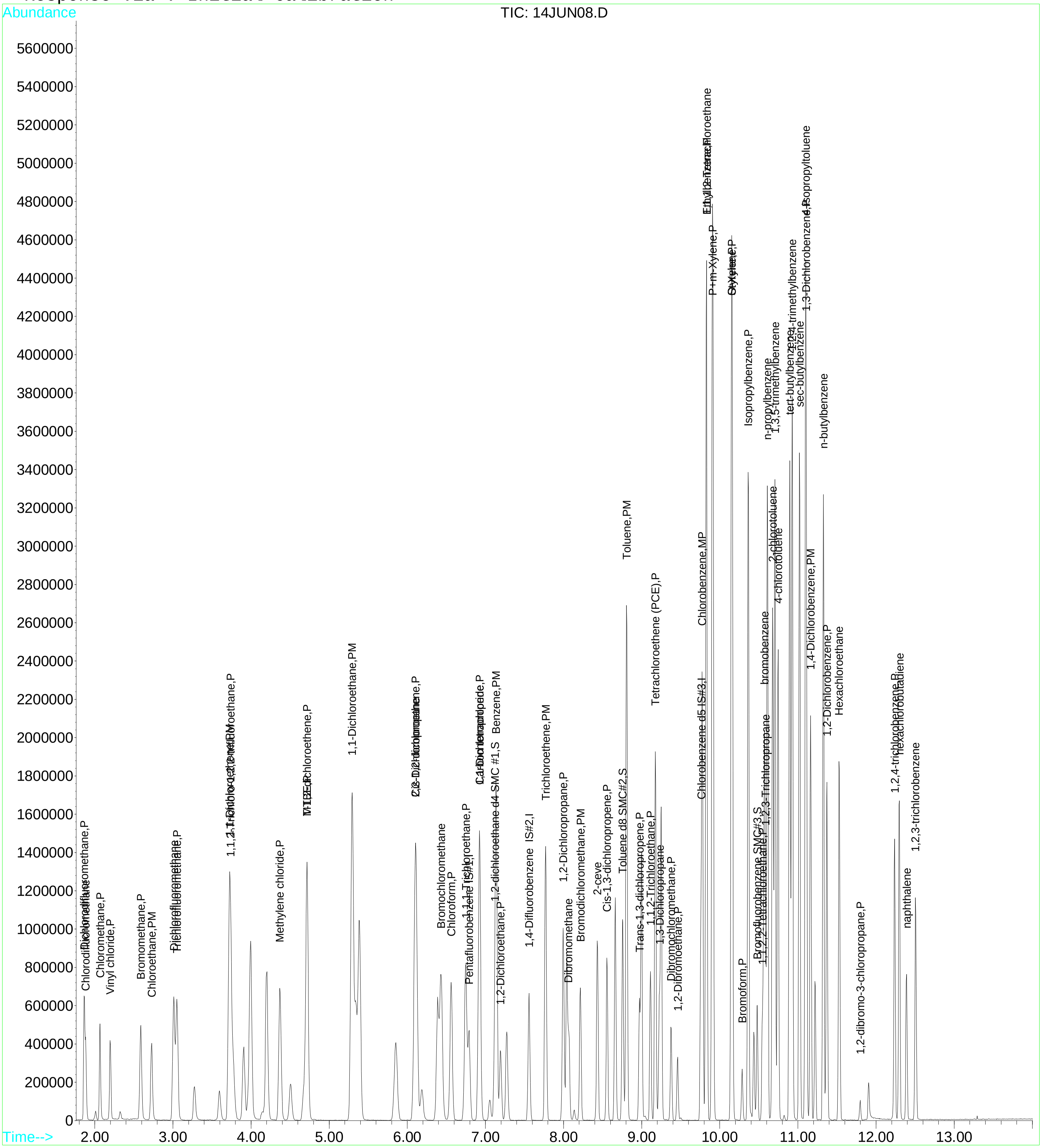
Raw Data - Lab Control Sample Duplicate

```
                              Quantitation Report    (QT Reviewed)

Data File : D:\DATA\JUN2022C\JUN14\14JUN08.D             Vial: 8
Acq On    : 14 Jun 2022   8:04 am                    Operator: MGC
Sample    : B141807-BSD1                             Inst    : MS-V5
Misc      : 1 ;2F13019;25ML                          Multiplr: 1.00
MS Integration Params: rteint.p
 Quant Time: Jun 15  6:03 2022            Quant Results File: 82605C.RES

Quant Method : C:\HPCHEM\1...\82605C.M (RTE Integrator)
Title        : EPA Method  8260C/D
Last Update  : Tue Jun 14 08:18:30 2022
Response via : Initial Calibration
DataAcq Meth : 82605

 Internal Standards                R.T. QIon  Response  Conc Units Dev(Min)
 -------------------------------------------------------------------------
   1) Pentafluorobenzene IS#1      6.79  137     51222    10.00 ug/L   -0.02
  26) 1,4-Difluorobenzene  IS#2    7.56   63    100732    10.00 ug/L   -0.01
  41) Chlorobenzene d5 IS#3        9.76  119    133538    10.00 ug/L   -0.01

 System Monitoring Compounds
  23) 1,2-dichloroethane d4 SMC    7.11   65     84971     9.65 ug/L   -0.01
   Spiked Amount     10.000   Range  75 - 125    Recovery   =   96.50%
  33) Toluene d8 SMC#2             8.76   98    601290    10.29 ug/L   -0.01
   Spiked Amount     10.000   Range  80 - 120    Recovery   =  102.90%
  51) Bromofluorobenzene SMC#3    10.48   95    180069     9.60 ug/L   -0.02
   Spiked Amount     10.000   Range  80 - 120    Recovery   =   96.00%

 Target Compounds                                                  Qvalue
   2) Dichlorodifluoromethane      1.86   85    438007    25.38 ug/L     100
   3) Chlorodifluoromethane        1.88   51    343671    23.72 ug/L      98
   4) Chloromethane                2.07   50    371720    24.20 ug/L      99
   5) Vinyl chloride               2.20   62    330559    23.25 ug/L      99
   6) Bromomethane                 2.58   94    333680    27.54 ug/L      98
   7) Chloroethane                 2.73   64    364135    26.05 ug/L      98
   8) Dichlorofluoromethane        3.01   67    694200    24.89 ug/L      99
   9) Trichlorofluoromethane       3.05  101    597813    24.79 ug/L     100
  10) 1,1,2-Trichloro-1,2,2-trif   3.74  101    428946    28.21 ug/L      95
  11) 1,1-Dichloroethene           3.72   61    591692    24.23 ug/L      99
  12) Methylene chloride           4.37   84    391994    26.75 ug/L      99
  13) MTBE                         4.71   73    555397    22.91 ug/L     100
  14) T-1,2-dichloroethene         4.72   96    464943    24.38 ug/L      99
  15) 1,1-Dichloroethane           5.28   63    778940    25.24 ug/L      99
  16) 2,2-Dichloropropane          6.11   77    621894    24.54 ug/L     100
  17) Cis-1,2-dichloroethene       6.10   96    480430    24.53 ug/L      99
  18) Bromochloromethane           6.43  128    135778    22.44 ug/L      97
  19) Chloroform                   6.56   83    672469    24.43 ug/L      99
  20) 1,1,1-Trichloroethane        6.75   97    626169    24.10 ug/L      90
  21) 1,1-Dichloropropene          6.93   75    594415    26.23 ug/L      99
  22) Carbon tetrachloride         6.92  119    439159    22.54 ug/L      98
  24) 1,2-Dichloroethane           7.20   62    266288    24.18 ug/L      99
  25) Benzene                      7.13   78   1742223    25.10 ug/L      99
  27) Trichloroethene              7.77  130    457727    25.33 ug/L      99
  28) 1,2-Dichloropropane          8.00   63    408744    25.64 ug/L      97
  29) Dibromomethane               8.07   93    133435    24.98 ug/L      95
  30) Bromodichloromethane         8.22   83    402560    23.89 ug/L     100
  31) 2-ceve                       8.43   63    329131    73.38 ug/L      99
  32) Cis-1,3-dichloropropene      8.55   75    520002    24.41 ug/L      99
  34) Toluene                      8.80   92   1106295    25.33 ug/L      96
  35) Trans-1,3-dichloropropene    8.97   75    349787    23.38 ug/L     100
  36) 1,1,2-Trichloroethane        9.11   97    220553    25.93 ug/L      98
  37) Tetrachloroethene (PCE)      9.17  166    492689    25.19 ug/L      98
  38) 1,3-Dichloropropane          9.22   76    341567    25.56 ug/L     100
  39) Dibromochloromethane         9.38  129    219389    23.81 ug/L      98
  40) 1,2-Dibromoethane            9.46  107    191689    27.53 ug/L      96
  42) Chlorobenzene                9.78  112   1064349    24.18 ug/L      99
  43) 1,1,1,2-Tetrachloroethane    9.83  131    320392    22.19 ug/L      99
  44) Ethylbenzene                 9.83  106    663104    24.52 ug/L      97
  45) P+m-Xylene                   9.91  106   1481940    46.99 ug/L      98
  46) O-Xylene                    10.15  106    745262    24.39 ug/L      97
  47) Styrene                     10.16  104   1121710    24.51 ug/L      98
  48) Bromoform                   10.29  173    105063    23.13 ug/L      98
  49) Isopropylbenzene            10.36  105   1805911    23.25 ug/L      97
  50) 1,1,2,2-Tetrachloroethane   10.54   83    204421    25.54 ug/L      95
 -------------------------------------------------------------------------
 (#) = qualifier out of range (m) = manual integration
 14JUN08.D  82605C.M      Wed Jun 15 06:03:40 2022                                   Page 1
```

```
                              Quantitation Report    (QT Reviewed)

Data File : D:\DATA\JUN2022C\JUN14\14JUN08.D            Vial: 8
Acq On    : 14 Jun 2022   8:04 am                   Operator: MGC
Sample    : B141807-BSD1                            Inst    : MS-V5
Misc      : 1 ;2F13019;25ML                         Multiplr: 1.00
MS Integration Params: rteint.p
 Quant Time: Jun 15  6:03 2022             Quant Results File: 82605C.RES

Quant Method : C:\HPCHEM\1...\82605C.M (RTE Integrator)
Title        : EPA Method  8260C/D
Last Update  : Tue Jun 14 08:18:30 2022
Response via : Initial Calibration
DataAcq Meth : 82605


      Compound                         R.T. QIon  Response  Conc Unit   Qvalue
 -------------------------------------------------------------------------
  52) 1,2,3-Trichloropropane      10.59  110     48239    24.34 ug/L      97
  53) n-propylbenzene             10.61   91   2026578    24.48 ug/L      97
  54) bromobenzene                10.58  156    391260    24.27 ug/L      87
  55) 1,3,5-trimethylbenzene      10.71  105   1406879    22.99 ug/L      99
  56) 2-chlorotoluene             10.67   91   1408116    24.14 ug/L      98
  57) 4-chlorotoluene             10.75   91   1197309    23.32 ug/L      98
  58) tert-butylbenzene           10.90  119   1348013    21.70 ug/L      93
  59) 1,2,4-trimethylbenzene      10.93  105   1352728    22.95 ug/L      99
  60) sec-butylbenzene            11.02  105   1926033    23.11 ug/L      96
  61) 4-isopropyltoluene          11.10  119   1452654    23.46 ug/L      98
  62) 1,3-Dichlorobenzene         11.11  146    734487    24.55 ug/L     100
  63) 1,4-Dichlorobenzene         11.16  146    726244    24.38 ug/L     100
  64) n-butylbenzene              11.33   91   1418692    24.70 ug/L      98
  65) 1,2-Dichlorobenzene         11.37  146    633341    24.97 ug/L      99
  66) Hexachloroethane            11.53  117    297845    23.26 ug/L      93
  67) 1,2-dibromo-3-chloropropan  11.80   75     22317    24.36 ug/L      94
  68) 1,2,4-trichlorobenzene      12.24  180    390982    25.53 ug/L     100
  69) hexachlorobutadiene         12.30  225    295857    25.75 ug/L      99
  70) naphthalene                 12.39  128    490424    26.27 ug/L     100
  71) 1,2,3-trichlorobenzene      12.50  180    325078    26.51 ug/L      97

 -------------------------------------------------------------------------
 (#) = qualifier out of range (m) = manual integration
 14JUN08.D  82605C.M      Wed Jun 15 06:03:40 2022                              Page 2
```

Quantitation Report

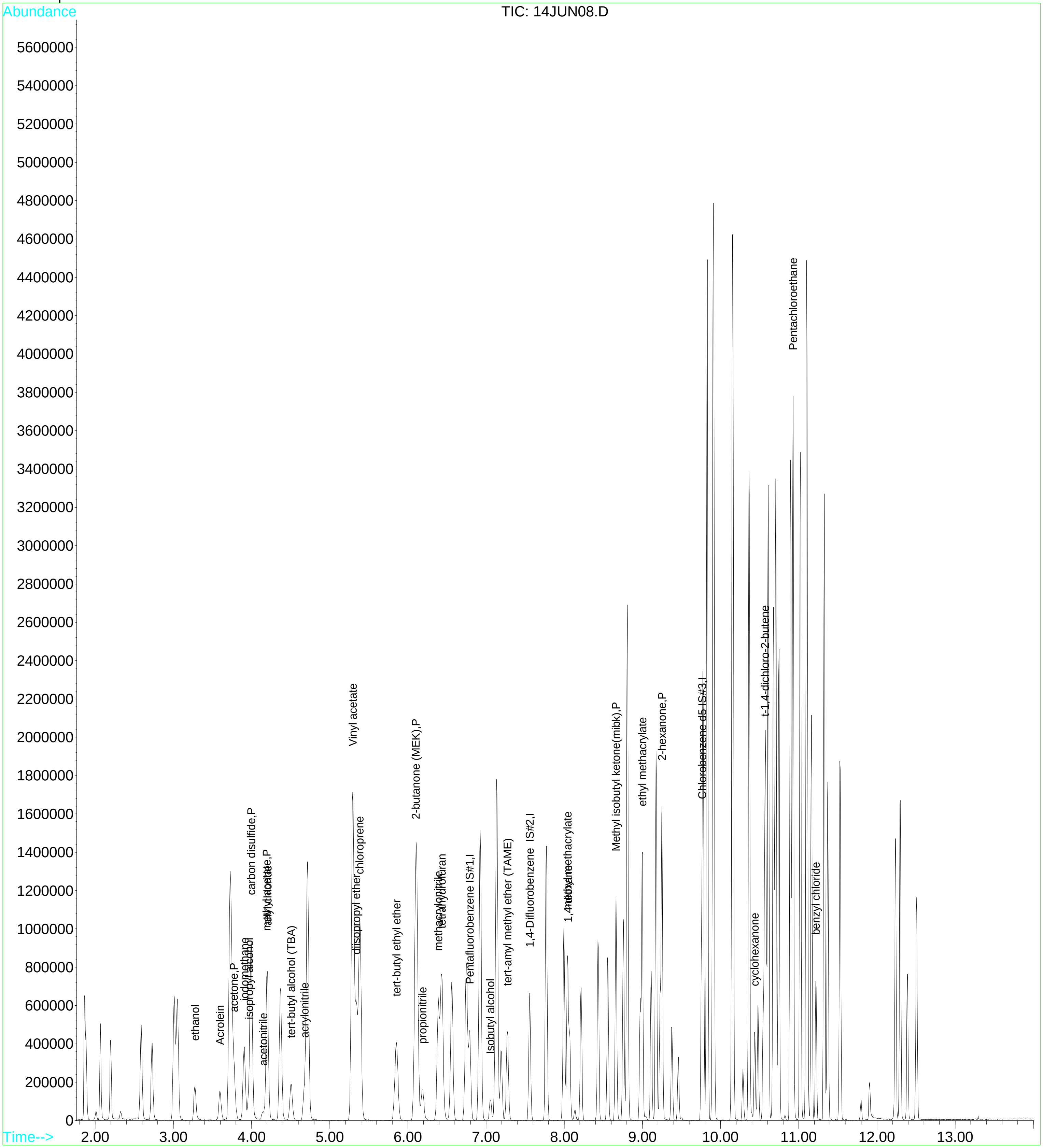
```
Data File : D:\DATA\JUN2022C\JUN14\14JUN08.D          Vial: 8
Acq On    : 14 Jun 2022   8:04 am                  Operator: MGC
Sample    : B141807-BSD1                           Inst    : MS-V5
Misc      : 1 ;2F13019;25ML                        Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jun 15  6:03 2022             Quant Results File: 82605C.RES

Method       : C:\HPCHEM\1\METHODS\C\202206\10-1156\82605C.M (RTE Integrator)
Title        : EPA Method  8260C/D
Last Update  : Tue Jun 14 08:18:30 2022
Response via : Initial Calibration
```



```
                              Quantitation Report    (QT Reviewed)

Data File : D:\DATA\JUN2022C\JUN14\14JUN08.D             Vial: 8
Acq On    : 14 Jun 2022   8:04 am                    Operator: MGC
Sample    : B141807-BSD1                             Inst    : MS-V5
Misc      : 1 ;2F13019;25ML                          Multiplr: 1.00
MS Integration Params: rteint.p
 Quant Time: Jun 15  6:04 2022            Quant Results File: 82605CX.RES

Quant Method : C:\HPCHEM\1...\82605CX.M (RTE Integrator)
Title        : EPA Method 8260C/DX
Last Update  : Tue Jun 14 08:47:02 2022
Response via : Initial Calibration
DataAcq Meth : 82605

 Internal Standards                 R.T. QIon  Response  Conc Units Dev(Min)
 ---------------------------------------------------------------------------
   1) Pentafluorobenzene IS#1       6.79  137    51222    10.00 ug/L   -0.02
  29) 1,4-Difluorobenzene  IS#2     7.56   63   100732    10.00 ug/L   -0.01
  36) Chlorobenzene d5 IS#3         9.76  119   133538    10.00 ug/L   -0.01

 Target Compounds                                                    Qvalue
   2) ethanol                       3.27   45   213256  4216.23 ug/L      99
   6) isopropyl alcohol             3.96   45   197840   788.07 ug/L      92
   7) Acrolein                      3.59   56   179511   245.44 ug/L      74
   8) acetone                       3.78   43   327916   308.67 ug/L     100
   9) tert-butyl alcohol (TBA)      4.51   59   295662   783.89 ug/L     100
  10) acetonitrile                  4.14   41    74971   149.67 ug/L #   100
  11) methyl acetate                4.19   43    13279     3.81 ug/L #    80
  12) allyl chloride                4.20   41   970397    33.31 ug/L      98
  13) iodomethane                   3.91  142   545801    27.05 ug/L      97
  14) acrylonitrile                 4.67   53   150007    83.23 ug/L      96
  15) carbon disulfide              3.99   76  1602962    33.90 ug/L      98
  17) diisopropyl ether             5.34   87   210615    17.39 ug/L      99
  18) Vinyl acetate                 5.30   43  2412595   174.11 ug/L     100
  19) chloroprene                   5.39   53   844163    33.50 ug/L      99
  20) tert-butyl ethyl ether        5.85   59   527838    16.15 ug/L      98
  21) 2-butanone (MEK)              6.09   43   302451   156.16 ug/L      99
  22) propionitrile                 6.19   54   253420   404.97 ug/L      98
  23) Isobutyl alcohol              7.05   43    79315   379.70 ug/L      98
  24) methacrylonitrile             6.39   67   358312   163.55 ug/L      98
  26) tetrahydrofuran               6.44   42   419041   332.23 ug/L      97
  28) tert-amyl methyl ether (TA    7.27   73   388249    14.90 ug/L      96
  30) methyl methacrylate           8.04   69   321873    79.09 ug/L      98
  32) 1,4-dioxane                   8.05   88    96556  2111.98 ug/L      95
  33) Methyl isobutyl ketone(mib    8.66   43   692269   158.73 ug/L      96
  34) ethyl methacrylate            9.00   69   691015    78.22 ug/L      97
  35) 2-hexanone                    9.25   43   882344   315.95 ug/L      96
  38) cyclohexanone                10.43   55   163489   440.84 ug/L      99
  39) t-1,4-dichloro-2-butene      10.56   75   263164m  104.11 ug/L
  41) Pentachloroethane            10.93  167   120582    23.73 ug/L #    79
  42) benzyl chloride              11.22   91   447793    32.88 ug/L      99

 --------------------------------------------------------------------------
 (#) = qualifier out of range (m) = manual integration
 14JUN08.D  82605CX.M      Wed Jun 15 06:04:42 2022                         Page 1
```

Quantitation Report

```
Data File : D:\DATA\JUN2022C\JUN14\14JUN08.D           Vial: 8
Acq On    : 14 Jun 2022   8:04 am                  Operator: MGC
Sample    : B141807-BSD1                           Inst    : MS-V5
Misc      : 1 ;2F13019;25ML                        Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jun 15  6:04 2022            Quant Results File: 82605CX.RES

Method       : C:\HPCHEM\1\METHODS\C\202206\10-1632\82605CX.M (RTE Integrator)
Title        : EPA Method 8260C/DX
Last Update  : Tue Jun 14 08:47:02 2022
Response via : Initial Calibration
```



Raw Data - Batch Information

PREPARATION BENCH SHEET

B141807

BC Laboratories

Printed: 6/22/2022 9:31:28AM

Matrix: Water

Prepared using: Volatiles - GC/MS - EPA 5030 Water MS

SurrogateUsed: 2E04014

Lab Number	Analysis	Prepared	By	Initial (ml)	Final (ml)	Spike ID	Source ID	ul Spike	ul Surrogate	% Solids
2213551-01 A	gm8260Cw Full QC Navy	6/14/2022 6:00AM	MGC	25	25				2	
2213551-02 A	gm8260Cw Full QC Navy	6/14/2022 6:00AM	MGC	25	25				2	
2213551-03 A	gm8260Cw Full QC Navy	6/14/2022 6:00AM	MGC	25	25				2	
2213551-04 A	gm8260Cw Full QC Navy	6/14/2022 6:00AM	MGC	25	25				2	
2213551-05 A	gm8260Cw Full QC Navy	6/14/2022 6:00AM	MGC	25	25				2	
2213551-06 A	gm8260Cw Full QC Navy	6/14/2022 6:00AM	MGC	25	25				2	
2213551-07 A	gm8260Cw Full QC Navy	6/14/2022 6:00AM	MGC	25	25				2	
2213551-08 A	gm8260Cw Full QC Navy	6/14/2022 6:00AM	MGC	25	25				2	
2213551-09 A	gm8260Cw Full QC Navy	6/14/2022 6:00AM	MGC	25	25				2	
2213551-10 A	gm8260Cw Full QC Navy	6/14/2022 6:00AM	MGC	25	25				2	
B141807-BLK1	QC	6/14/2022 6:00AM	MGC	25	25				2	
B141807-BS1	QC	6/14/2022 6:00AM	MGC	25	25	2F13019		12.5	2	
B141807-BSD1	QC	6/14/2022 6:00AM	MGC	25	25	2F13019		12.5	2	
B141807-MS1	QC	6/14/2022 6:00AM	MGC	25	25	2F13019	2213551-05	12.5	2	
B141807-MSD1	QC	6/14/2022 6:00AM	MGC	25	25	2F13019	2213551-05	12.5	2	

Surrogate Mixes	Description	Solvent	Prepared	Expires
2E04014	8260 V5 WORK SURR. STD BATCH	Methanol VRL-17-6704	5/4/2022 by Brenda Macias	8/4/2022
2F13019	8260 V5 I SPIKE COMBO	meoh	6/13/2022 by Miguel Chavez	6/29/2022

Raw Data - Sequence Information

ANALYSIS SEQUENCE

2211065

Instrument: MS-V5
Calibration ID: 2206012 Sequence Date: 06/14/2022 Printed: 6/22/2022 9:31:28AM

Lab Number	Analysis	Container	Order	Position	STD ID	ISTD ID	Comments
2211065-ICV1	QC		1		2F10014		
2211065-ICB1	QC		2		2E09046		
2211065-ICV2	QC		3		2F10021		
2211065-ICB2	QC		4		2E09046		
2211065-TUN1	QC		5		2C28037		
2211065-CCV1	QC		6		2F06039		
2211065-CCV2	QC		7		2F13018		
2211065-CCB1	QC		8		2E09046		
B141807-BLK1	QC		9			2E04013	
2213551-05	gm8260Cw Full QC Navy	A	10			2E04013	
B141807-BS1	QC		11			2E04013	
B141807-BSD1	QC		12			2E04013	
B141807-MS1	QC		13			2E04013	
B141807-MSD1	QC		14			2E04013	
2213551-01	gm8260Cw Full QC Navy	A	15			2E04013	
2213551-02	gm8260Cw Full QC Navy	A	16			2E04013	
2213551-03	gm8260Cw Full QC Navy	A	17			2E04013	
2213551-04	gm8260Cw Full QC Navy	A	18			2E04013	
2213551-06	gm8260Cw Full QC Navy	A	19			2E04013	
2213551-07	gm8260Cw Full QC Navy	A	20			2E04013	
2213551-08	gm8260Cw Full QC Navy	A	21			2E04013	
2213551-09	gm8260Cw Full QC Navy	A	22			2E04013	
2213551-10	gm8260Cw Full QC Navy	A	23			2E04013	
2211065-TUN2	QC		24		2C28037		
2211065-CCV3	QC		25		2F06039		
2211065-CCV4	QC		26		2F13018		
2211065-CCB2	QC		27		2E09046		

ANALYSIS SEQUENCE

2211076

Instrument: MS-V5
Calibration ID: 2206012
Sequence Date: 06/10/2022
Printed: 6/22/2022 9:31:28AM

Lab Number	Analysis	Container	Order	Position	STD ID	ISTD ID	Comments
2211076-TUN1	QC		1		2C28037		
2211076-CAL1	QC		2		2F10002		
2211076-CAL2	QC		3		2F10003		
2211076-CAL3	QC		4		2F10004		
2211076-CAL4	QC		5		2F10005		
2211076-CAL5	QC		6		2F10006		
2211076-CAL6	QC		7		2F10007		
2211076-CAL7	QC		8		2F10015		
2211076-CAL8	QC		9		2F10016		
2211076-CAL9	QC		10		2F10017		
2211076-CALA	QC		11		2F10018		
2211076-CALB	QC		12		2F10019		
2211076-CALC	QC		13		2F10020		

Notes and Definitions

B	Blank contamination. The analyte is greater than 1/2 the PQL/LOQ/CRQL in the associated method blank.
D	The reported value is from a dilution.
E	The analyte concentration exceeds the upper limit of the calibration range of the instrument established by the initial calibration.
J	The reported value is an estimated value. Results are between the MDL and PQL/LOQ/CRQL.
U	The analyte was not detected and is reported as less than the LOD/MDL or as defined by the client.

Attachment 2. Data Validation Report

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

AHTNA
2255 Contra Costa Blvd , Suite 312
Pleasant Hill, CA 94523
ATTN: Teri Farrell-Bage
tbage@ahtna.net

July 19, 2022

SUBJECT: USDB Lompoc - Data Validation

Dear Ms. Bage,

Enclosed is the final validation report for the fractions listed below. This SDG was received on June 21, 2022. Attachment 1 is a summary of the samples that were reviewed for each analysis.

LDC Project #54297:

SDG #	**Fraction**
2213551	Volatiles

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

- Quality Assurance Project Plan/Work Plan, Enviornmental Long-Term Monitoring and Inspection, Former U.S. Disciplinary Barracks, Lompoc, California (November 2021)
- U.S. Department of Defense (DoD) Quality Systems Manual (QSM) for Enviornmental Laboratories, Version 5.3 (2019)
- U.S. DoD General Validation Guidelines (November 2019)
- U.S. Department of Defense (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

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

35 pages-ADV

Attachment 1

ADR/Stage 4 90/10

LDC# 54297 (AHTNA - Pleasant Hill, CA / USDB Lompoc)

LDC	SDG#	DATE REC'D	(3) DATE DUE	VOA (8260C)																																			
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	W	S	W	S
A	2213551	06/21/22	07/13/22	9	0																																		
A	2213551	06/21/22	07/13/22	1	0																																		
Total	T/PG			10	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	0	0	0	0	0	0	10

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

V:\LOGIN\Ahtna\Lompoc USDB\54297ST.wpd

LDC Report# 54297

Automated Data Review Data Validation Report
USDB Lompoc

Sample Delivery Group(s)
2213551

July 19, 2022

Introduction

This Data Validation Report (DVR) presents data validation findings and results for the associated samples collected during the June 2022 sampling period. Data validation was performed in accordance with the Quality Assurance Project Plan/Work Plan, Environmental Long-Term Monitoring and Inspection, Former U.S. Disciplinary Barracks, Lompoc, California (November 2021), the U.S. Department of Defense (DoD) Quality Systems Manual (QSM) for Environmental Laboratories, Version 5.3 (2019), U.S. DoD General Validation Guidelines (November 2019), and the U.S. Department of Defense (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 8260C

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+	(Estimated, High Bias): The result was an estimated quantity, but the result may be biased high.
J-	(Estimated, Low Bias): The result was an estimated quantity, but the result may be biased low.
J	(Estimated, Bias Indeterminate): The reported result was an estimated value with an unknown bias.
U	(Non-detected): The analyte was analyzed for and positively identified by the laboratory; however the analyte should be considered non-detected due to the presence of contaminants detected in the associated blank(s).
UJ	(Non-detected estimated): The analyte was not detected and the associated numerical value is approximate.
X	(Exclusion of data recommended): 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. 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.

A qualification summary table is provided at the end of this report if data has been qualified. Flags are classified as P (protocol) or A (advisory) to indicate whether the flag is due to a laboratory deviation from a specified protocol or is of technical advisory nature.

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.

GC/MS 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 all analytes.

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	A or P
2213551	06/14/22	Bromomethane		All samples in SDG 2213551	UJ (all non-detects)	A

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

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

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. The trip blank had detections for toluene. The associated samples results were not detected or were significantly greater than the concentrations found in the trip blank, therefore no data were qualified.

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) were within QC limits. Relative percent differences (RPD) were within QC limits.

Laboratory Control Samples

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

Field Duplicates

One field duplicate pair was collected and analyzed. No results were detected in the field duplicates. The field duplicates are identified in Attachment 1.

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 presented 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.

Overall Assessment of Data

The analysis was conducted within all specifications of the method.

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

Due to results below the LOQ, data were qualified as estimated in 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
08-Jun-2022	WRMW04A-0622-N	2213551-01	N	5030	8260C	Stage 2B
08-Jun-2022	WRMW05A-0622-N	2213551-02	N	5030	8260C	Stage 4
08-Jun-2022	WRMW08A-0622-N	2213551-03	N	5030	8260C	Stage 2B
08-Jun-2022	WRMW08A-0622-D	2213551-04	FD	5030	8260C	Stage 2B
08-Jun-2022	WRMW09A-0622-N	2213551-05	N	5030	8260C	Stage 2B
08-Jun-2022	WRMW10A-0622-N	2213551-06	N	5030	8260C	Stage 2B
08-Jun-2022	WRMW11A-0622-N	2213551-07	N	5030	8260C	Stage 2B
08-Jun-2022	WRMW12A-0622-N	2213551-08	N	5030	8260C	Stage 2B
08-Jun-2022	FB-0622-01	2213551-09	FB	5030	8260C	Stage 2B
08-Jun-2022	TB-0622-01	2213551-10	TB	5030	8260C	Stage 2B
08-Jun-2022	WRMW09A-0622-NMS	B141807-MS1	MS	5030	8260C	Stage 2B
08-Jun-2022	WRMW09A-0622-NMSD	B141807-MSD1	MSD	5030	8260C	Stage 2B

N = Normal Sample *MS = Matrix Spike* *DUP = Laboratory Duplicate*
FD = Field Duplicate *MSD = Matrix Spike Duplicate*
TB = Trip Blank *EB = Equipment Blank* *SB = Source Blank* *AB = Ambient Blank*

Attachment 2

Overall Data Qualification Summary

Data Qualifier Summary

Lab Reporting Batch ID: 2213551 **Laboratory: BC Labs**

EDD Filename: PrepEDD_2213551_ADR_ **eQAPP Name: AHTNA_Lompoc_211124**

Method Category: **VOA**

Method: **8260C** ***Matrix:*** **AQ**

Sample ID: **FB-0622-01** ***Collected:*** **6/8/2022 11:40:00 AM** ***Analysis Type:*** **RES** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
BROMOMETHANE	0.40	U	0.40	LOD	0.60	LOQ	ug/L	UJ	Ccv

Sample ID: **TB-0622-01** ***Collected:*** **6/8/2022 11:35:00 AM** ***Analysis Type:*** **RES** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
BROMOMETHANE	0.40	U	0.40	LOD	0.60	LOQ	ug/L	UJ	Ccv
TOLUENE	0.12	J	0.16	LOD	0.50	LOQ	ug/L	J	RI

Sample ID: **WRMW04A-0622-N** ***Collected:*** **6/8/2022 10:45:00 AM** ***Analysis Type:*** **RES** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
BROMOMETHANE	0.40	U	0.40	LOD	0.60	LOQ	ug/L	UJ	Ccv

Sample ID: **WRMW05A-0622-N** ***Collected:*** **6/8/2022 10:30:00 AM** ***Analysis Type:*** **RES** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
BROMOMETHANE	0.40	U	0.40	LOD	0.60	LOQ	ug/L	UJ	Ccv
TETRACHLOROETHENE	0.13	J	0.30	LOD	0.50	LOQ	ug/L	J	RI
TRANS-1,2-DICHLOROETHENE	0.20	J	0.16	LOD	0.50	LOQ	ug/L	J	RI
VINYL CHLORIDE	0.49	J	0.16	LOD	0.50	LOQ	ug/L	J	RI

Sample ID: **WRMW08A-0622-D** ***Collected:*** **6/8/2022 9:15:00 AM** ***Analysis Type:*** **RES** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
BROMOMETHANE	0.40	U	0.40	LOD	0.60	LOQ	ug/L	UJ	Ccv

Sample ID: **WRMW08A-0622-N** ***Collected:*** **6/8/2022 9:10:00 AM** ***Analysis Type:*** **RES** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
BROMOMETHANE	0.40	U	0.40	LOD	0.60	LOQ	ug/L	UJ	Ccv

Sample ID: **WRMW09A-0622-N** ***Collected:*** **6/8/2022 10:15:00 AM** ***Analysis Type:*** **RES** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
BROMOMETHANE	0.40	U	0.40	LOD	0.60	LOQ	ug/L	UJ	Ccv
TETRACHLOROETHENE	0.25	J	0.30	LOD	0.50	LOQ	ug/L	J	RI

* denotes a non-reportable result

Data Qualifier Summary

Lab Reporting Batch ID: 2213551 **Laboratory: BC Labs**

EDD Filename: PrepEDD_2213551_ADR_ **eQAPP Name: AHTNA_Lompoc_211124**

Method Category: VOA

Method: 8260C ***Matrix:*** AQ

Sample ID: **WRMW09A-0622-N** ***Collected:*** **6/8/2022 10:15:00 AM** ***Analysis Type:*** **RES** ***Dilution:*** **1**

Analyte	*Lab Result*	*Lab Qual*	*DL*	*DL Type*	*RL*	*RL Type*	*Units*	*Data Review Qual*	*Reason Code*
TRANS-1,2-DICHLOROETHENE	0.070	J	0.16	LOD	0.50	LOQ	ug/L	J	RI
TRICHLOROETHENE	0.28	J	0.16	LOD	0.50	LOQ	ug/L	J	RI
VINYL CHLORIDE	0.17	J	0.16	LOD	0.50	LOQ	ug/L	J	RI

Sample ID: **WRMW10A-0622-N** ***Collected:*** **6/8/2022 11:00:00 AM** ***Analysis Type:*** **RES** ***Dilution:*** **1**

Analyte	*Lab Result*	*Lab Qual*	*DL*	*DL Type*	*RL*	*RL Type*	*Units*	*Data Review Qual*	*Reason Code*
BROMOMETHANE	0.40	U	0.40	LOD	0.60	LOQ	ug/L	UJ	Ccv
TRANS-1,2-DICHLOROETHENE	0.060	J	0.16	LOD	0.50	LOQ	ug/L	J	RI

Sample ID: **WRMW11A-0622-N** ***Collected:*** **6/8/2022 11:15:00 AM** ***Analysis Type:*** **RES** ***Dilution:*** **1**

Analyte	*Lab Result*	*Lab Qual*	*DL*	*DL Type*	*RL*	*RL Type*	*Units*	*Data Review Qual*	*Reason Code*
BROMOMETHANE	0.40	U	0.40	LOD	0.60	LOQ	ug/L	UJ	Ccv
TRICHLOROETHENE	0.13	J	0.16	LOD	0.50	LOQ	ug/L	J	RI

Sample ID: **WRMW12A-0622-N** ***Collected:*** **6/8/2022 11:25:00 AM** ***Analysis Type:*** **RES** ***Dilution:*** **1**

Analyte	*Lab Result*	*Lab Qual*	*DL*	*DL Type*	*RL*	*RL Type*	*Units*	*Data Review Qual*	*Reason Code*
BROMOMETHANE	0.40	U	0.40	LOD	0.60	LOQ	ug/L	UJ	Ccv
TRICHLOROETHENE	0.47	J	0.16	LOD	0.50	LOQ	ug/L	J	RI

* denotes a non-reportable result

Project Name and Number: 21044.006.01.000 - Former USDB Lompoc

Data Qualifier Summary

Lab Reporting Batch ID: 2213551

Laboratory: BC Labs

EDD Filename: PrepEDD_2213551_ADR_

eQAPP Name: AHTNA_Lompoc_211124

Reason Code Legend

Reason Code	*Description*
Ccv	Continuing Calibration Verification Percent Difference Lower Estimation
Rl	Reporting Limit Trace Value

* denotes a non-reportable result

Project Name and Number: 21044.006.01.000 - Former USDB Lompoc

Enclosure I

Validation Outlier Reports

Quality Control
Outlier Reports

2213551

Reporting Limit Outliers

Lab Reporting Batch ID: 2213551 **Laboratory: BC Labs**

EDD Filename: EDD_2213551_ADR_ **eQAPP Name: AHTNA_Lompoc_211124**

Method: **8260C**

Matrix: **AQ**

SampleID	*Analyte*	*Lab Qual*	*Result*	*Reporting Limit*	*RL Type*	*Units*	*Flag*
TB-0622-01	TOLUENE	J	0.12	0.50	LOQ	ug/L	J (all detects)
WRMW05A-0622-N	TETRACHLOROETHENE	J	0.13	0.50	LOQ	ug/L	J (all detects)
	TRANS-1,2-DICHLOROETHENE	J	0.20	0.50	LOQ	ug/L	
	VINYL CHLORIDE	J	0.49	0.50	LOQ	ug/L	
WRMW09A-0622-N	TETRACHLOROETHENE	J	0.25	0.50	LOQ	ug/L	J (all detects)
	TRANS-1,2-DICHLOROETHENE	J	0.070	0.50	LOQ	ug/L	
	TRICHLOROETHENE	J	0.28	0.50	LOQ	ug/L	
	VINYL CHLORIDE	J	0.17	0.50	LOQ	ug/L	
WRMW10A-0622-N	TRANS-1,2-DICHLOROETHENE	J	0.060	0.50	LOQ	ug/L	J (all detects)
WRMW11A-0622-N	TRICHLOROETHENE	J	0.13	0.50	LOQ	ug/L	J (all detects)
WRMW12A-0622-N	TRICHLOROETHENE	J	0.47	0.50	LOQ	ug/L	J (all detects)

LDC #: 54297A1a

VALIDATION COMPLETENESS WORKSHEET

ADR/Stage 4

SDG #: 2213551

Laboratory: Pace Analytical Environmental Sciences, Bakersfield, CA

Date: 7/5/22

Page: 1 of 1

Reviewer:

2nd Reviewer:

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

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%. r² ICV ≤ 20%
IV.	Continuing calibration / ≤ Ends	SW	CCV ≤ 20/50%
V.	Laboratory Blanks	A	
VI.	Field blanks	SW	FB = 9. TB = 10
VII.	Surrogate spikes	A	
VIII.	Matrix spike/Matrix spike duplicates	A	
IX.	Laboratory control samples	A	LCS/D
X.	Field duplicates	ND	D = 3+4
XI.	Internal standards	A	
XII.	Target analyte quantitation	A	Reviewed for Stage 4 validation
XIII.	Target analyte identification	A	Reviewed for Stage 4 validation
XIV.	System performance	A	Reviewed for Stage 4 validation
XV.	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	WRMW04A-0622-N	2213551-01	Water	06/08/22
2	WRMW05A-0622-N**	2213551-02**	Water	06/08/22
3	WRMW08A-0622-N	2213551-03	Water	06/08/22
4	WRMW08A-0622-D	2213551-04	Water	06/08/22
5	WRMW09A-0622-N	2213551-05	Water	06/08/22
6	WRMW10A-0622-N	2213551-06	Water	06/08/22
7	WRMW11A-0622-N	2213551-07	Water	06/08/22
8	WRMW12A-0622-N	2213551-08	Water	06/08/22
9	FB-0622-01	2213551-09	Water	06/08/22
10	TB-0622-01	2213551-10	Water	06/08/22
11	WRMW09A-0622-NMS	2213551-05MS	Water	06/08/22
12	WRMW09A-0622-NMSD	2213551-05MSD	Water	06/08/22
13				
14	BH1807			

LDC #: 54297A1a

VALIDATION FINDINGS CHECKLIST

Page: 1 of 2
Reviewer:

Method: Volatiles (EPA SW 846 Method 8260C)

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				
Were the BFB performance results reviewed and found to be within the specified criteria?	✓			
Were all samples analyzed within the 12-hour clock criteria?	✓			
III. Initial calibration and Initial Calibration Verification				
Did the laboratory perform a 5-point calibration prior to sample analysis?	✓			
Were all percent relative standard deviations (%RSD) ≤ ~~20~~ 15% and relative response factors (RRF) within method criteria?	✓			
Was a curve fit used for evaluation? If yes, did the initial calibration meet the curve fit acceptance criteria of ≥ 0.990?	✓			
Was an initial calibration verification (ICV) standard analyzed after each initial calibration for each instrument?	✓			
Were all ICV percent differences (%D) ≤ ~~30~~ 20%?	✓			
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) within method criteria?		✓		
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?		✓		
VI. Field blanks				
Were field blanks were identified in this SDG?	✓			
Were target compounds 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?	✓			

LDC #: 54297A19

VALIDATION FINDINGS CHECKLIST

Page: 2 of 2
Reviewer: Q

Validation Area	Yes	No	NA	Findings/Comments
Were the MS/MSD percent recoveries (%R) and the relative percent differences (RPD) within the QC limits?	✓			
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 compounds detected in the field duplicates?		✓		
XI. Internal standards				
Were internal standard area counts within -50% to +100% of the associated calibration standard?	✓			
Were retention times within ± 30 seconds of the associated calibration standard?	✓			
XII. Compound 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 compound?	✓			
Were compound quantitation and RLs adjusted to reflect all sample dilutions and dry weight factors applicable to level IV validation?	✓			
XIII. Target compound identification				
Were relative retention times (RRT's) within ± 0.06 RRT units of the standard?	✓			
Did compound spectra meet specified EPA "Functional Guidelines" criteria?	✓			
Were chromatogram peaks verified and accounted for?	✓			
XIV. System performance				
System performance was found to be acceptable.	✓			
XV. Overall assessment of data				
Overall assessment of data was found to be acceptable.	✓			

TARGET COMPOUND WORKSHEET

METHOD: VOA

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

LDC #: ~~54297~~A1a

VALIDATION FINDINGS WORKSHEET
Continuing Calibration

Page: 1 of 1
Reviewer: Q

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

Please see qualifications below for all questions answered "N". Not applicable questions are identified as "N/A".

[✓ Y] N N/A Was a continuing calibration standard analyzed at least once every 12 hours for each instrument?

[✓ Y] N N/A Were percent differences (%D) and relative response factors (RRF) within method criteria for all CCC's and SPCC's ?

Y [✓ N] N/A Were all %D and RRFs within the validation criteria of ≤20 %D and ≥0.05 RRF ?

#	Date	Standard ID	Compound	Finding %D (Limit: <20.0%)	Finding RRF (Limit: >0.05)	Associated Samples	Qualifications
	6/14/22	14JUN02	B	21.5		All (ND)	~~[illegible]/A~~ J^{0}/UJ/A

CONCAL.1SB

LDC #: 54097A1a

VALIDATION FINDINGS WORKSHEET
Initial Calibration Calculation Verification

Page: 1 of 1
Reviewer:

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

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	ICAL	6/10/22	QQQ (1st internal standard)	3.553015	3.553015	3.823791	3.823791	11.89708	11.897
			S (2nd internal standard)	1.792369	1.792369	1.793874	1.793874	3.84463	3.845
			ZZ (3rd internal standard)	2029288	2.029288	2.024768	2024768	8.984315	8.984
			(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

LDC #: 54978/a

Page: 1 of 1

Reviewer: Q

VALIDATION FINDINGS WORKSHEET
Continuing Calibration Results Verification

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

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	14JUN02	6/14/22	QQQ (1st internal standard)	3.823791	3.821503	3.821503	0.06	0.06
			S (2nd internal standard)	1.793874	1.695237	1.695237	5.5	5.5
			EE (3rd internal standard)	2.024768	1.943955	1.943955	4.0	4.0
			(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.

LDC #: 54297A1a

VALIDATION FINDINGS WORKSHEET
Surrogate Results Verification

Page: 1 of 1
Reviewer:

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

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	10.0	9.77	97.7	97.7	
Toluene-d8	↓	10.39	104	104	
Bromofluorobenzene	↓	9.83	98.3	98.3	

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 8260C)

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 = I MSC - MSC I * 2/(MSC + MSDC)
MSC = Matrix spike concentration
MSDC = Matrix spike duplicate concentration

MS/MSD sample: 11/12

Compound	Spike Added (µg/L)		Sample Concentration (µg/L)	Spiked Sample Concentration (µg/L)		Matrix Spike Percent Recovery		Matrix Spike Duplicate Percent Recovery		MS/MSD RPD	
	MS	MSD	------	MS	MSD	Reported	Recalc	Reported	Recalc	Reported	Recalculated
1,1-Dichloroethene	25.0	25.0	ND	23.42	24.96	93.7	93.7	99.8	99.8	6.4	6.4
Trichloroethene	↓	↓	0.28	24.53	26.50	97.0	97.0	105	105	7.7	7.7
Benzene	↓	↓	ND	24.02	25.74	96.1	96.1	103	103	6.9	6.9
Toluene	↓	↓	↓	23.75	26.22	95.0	95.0	105	105	9.9	9.9
Chlorobenzene	↓	↓	↓	23.53	25.13	94.1	94.1	101	101	6.6	6.6

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 #: 54297A19

VALIDATION FINDINGS WORKSHEET
Laboratory Control Sample Results Verification

Page: 1 of 1
Reviewer: Q

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

The percent recoveries (%R) and Relative Percent Difference (RPD) of the laboratoy 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 = I LCSC - LCSDC I * 2/(LCSC + LCSDC)   LCSC = Laboraotry control sample concentration LCSDC = Laboratory control sample duplicate concentration

LCS ID: BK1807-BS1/-BSD1

Compound	Spike Added (µg/L)		Spiked Sample Concentration (µg/L)		LCS Percent Recovery		LCSD Percent Recovery		LCS/LCSD RPD	
	LCS	LCSD	LCS	LCSD	Reported	Recalc.	Reported	Recalc.	Reported	Recalculated
1,1-Dichloroethene	25.0	25.0	24.37	24.23	97.5	97.5	96.9	96.9	0.6	0.6
Trichloroethene	↓	↓	24.65	25.33	98.6	98.6	101	101	2.7	2.7
Benzene			25.79	25.10	103	103	100	100	2.7	2.7
Toluene			24.79	25.33	99.2	99.2	101	101	2.2	2.2
Chlorobenzene			24.06	24.18	96.2	96.2	96.7	96.7	0.5	0.5

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.

LDC #: 54297A1a

VALIDATION FINDINGS WORKSHEET
Sample Calculation Verification

Page: 1 of 1
Reviewer: Q

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

[✓ Y] N N/A Were all reported results recalculated and verified for all level IV samples?
[✓ Y] N N/A Were all recalculated results for detected target compounds agree within 10.0% of the reported results?

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, QQQ:

Conc. = $\frac{(227863)(10.0)(1)}{(51542)(3.82379)(\quad)(\quad)}$

= 11.56 µg/L

#	Sample ID	Compound	Reported Concentration (µg/L)	Calculated Concentration (µg/L)	Qualification
	2	QQQ	12	11.56	