

2023 Second Semiannual Groundwater Monitoring Report, Washrack Site

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

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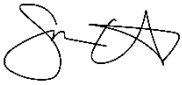
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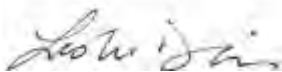
Report Title: **2023 Second Semiannual Groundwater Monitoring Report,
Washrack Site**
Environmental Long-Term Monitoring
Former U.S. Disciplinary Barracks (USDB)
Lompoc, California

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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
CA	California
CAS	Chemical Abstract Service Number
CERCLA	Comprehensive Environmental Response, Compensation, and Liability Act
COC	contaminants of concern
DCE	cis-1,2-dichloroethene
DoD	Department of Defense
EPA/USEPA	U.S. Environmental Protection Agency
ERD	enhanced reductive dechlorination
FCC	Federal Correctional Complex
FCI	Federal Correctional Institution
ft	feet or foot
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 (including Washrack and Greaserack Sites)
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 *2023 Second Semiannual Groundwater Monitoring Report* for the Washrack Site (consisting of the Washrack and Greaserack Sites) 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 Site in November 2023.

The semiannual groundwater monitoring event serves as performance monitoring of the enhanced reductive dechlorination (ERD) program at the Site 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, 2010). The previous ERD injections were performed in 2008. The current groundwater sampling program follows the *2021 Quality Assurance Project Plan/Work Plan (QAPP/WP), Environmental Long-Term Monitoring and Inspection, Former U.S. Disciplinary Barracks, Lompoc, California* (Ahtna, 2021b).

2.0 Background

The USDB is 1.5 miles northwest of downtown Lompoc, California (approximately 50 miles northwest of Santa Barbara, California) (Figure 1). The complex is in the Lompoc Valley, part of the central California coastal region, surrounded by rolling hills to the north, south, and east. It is open west to the Pacific Ocean.

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, and the Dairy.

The Washrack Site is located directly north of the USP (Figure 2). 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 pad corner. 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 wastewater treatment plant.

The Greaserack Site, considered part of the Washrack Site, is approximately 100 ft south of the concrete wash pad (Figure 2). This area was also used to clean and service USDB, and later BOP, vehicles. Equipment was removed, the area was paved, and the area 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 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 FCC. 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. 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 interbedded fine-grained sand lenses less than 4 ft thick. 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 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 typically ranges 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 (approximately 0.5 ft), and groundwater has risen slowly across the Site in recent years.

2.2 Previous Investigations and Cleanup

The Washrack Site is immediately north of the USP. The Site was used for vehicle maintenance, and total petroleum hydrocarbons have been identified in soil 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 ($\mu\text{g}/\text{L}$) 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, 10 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; Figure 2) 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; Figure 2) 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 decommissioned 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 decommissioning 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 decommissioned in accordance with the *Proposed Well Abandonment at the Former United States Disciplinary Barracks* (Figure 2; Arcadis, 2005c). Monitoring wells selected for decommissioning were consistently non-detect for volatile organic compounds (VOCs) and met the criteria for abandonment as described in the approved PMM (Arcadis, 2009b). Details of the well decommissioning were presented in the *Documentation of Well Abandonment and Well Construction Letter* (Arcadis, 2009a).

2.3 Land Use Controls

The BOP has implemented land use controls (LUCs) throughout the Washrack Site. 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 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.

2.4 Contaminants of Concern

The contaminants of concern (COCs) for the Site are PCE, TCE, and their degradation products, including cis-1,2-dichloroethene (DCE) and vinyl chloride (VC). Table 2-1 presents the applicable MCLs for the Site COCs.

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, 2023)

[2] National Primary Drinking Water Regulations, U.S. Environmental Protection Agency (USEPA, 2022)

µg/L micrograms per liter

CAS Chemical Abstract Service Number

2.5 Other Contaminants

Other compounds have been detected above MCLs less frequently and are thus not considered COCs (Table 2-2 below). 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)		Date of Last CA MCL Exceedance
	California ^[1]	Federal ^[2]	
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 (RWQCB, 2023)

[2] National Primary Drinking Water Regulations (USEPA, 2022)

µg/L micrograms per liter

CA MCL California Maximum Contaminant Level

3.0 Groundwater Monitoring Methods and Procedures

The Second 2023 semiannual groundwater monitoring fieldwork was conducted on November 27–28, 2023. 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 – Final Post Site Mitigation Monitoring Program, Washrack Site, Former United States Disciplinary Barracks, Lompoc, CA.* (IES, 2010)

Field activities were documented through field notes and photographs. Field measurements were recorded in field forms, and samples were managed, labeled, and tracked according to the chain of custody and QAPP/WP requirements (Ahtna, 2021b). Fieldwork documentation 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, 2010). The current monitoring program assesses contaminant reductions, plume extents, and stability following the 2021 QAPP/WP (Ahtna, 2021b).

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

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

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 only for water levels. Sampling is performed once per year in the fourth quarter at Well WR-MW-01B, screened within Aquifer B. The remaining nine wells, screened within Aquifer A, are sampled for VOCs semiannually (typically in the 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 was not performed in 2015 and has not been performed for non-VOC analyses since 2014. Due to the increase in groundwater elevations to pre-2016 levels (Appendix C), low-flow and hydrasleeve sampling methods are being evaluated as alternatives to PDB sampling.

3.2 Well Inspections and Repairs

During the 2023 Second Semiannual Event, all 11 groundwater monitoring wells were inspected to determine if any maintenance was required. The following repairs were performed during this current event:

- Threads for the well lids were re-tapped, and gaskets were replaced at all well locations
- New bolts were installed at 5 wells: WR-MW-07A, -01, -05A, -09A, and -11A
- New PDB rope was installed at WR-MW-01B

The remaining deficiencies include:

- Well box tab threads are stripped at WR-MW -01 and WR-MW-02.

The field team could not re-tap the well box tabs without potentially breaking the bolt tabs. Bolts were set in place at both wells to secure the well lids to the extent practicable. Replacement of the well boxes is needed at WR-MW-01 and WR-MW-02.

Field notes from past monitoring events have documented obstructions in monitoring wells WR-MW-01 and WR-MW-02. The obstructions are assumed to be due to bent well casing since root intrusion is unlikely (minimal surface vegetation), and the obstructions occur at depths greater than 50 ft bgs. Despite the obstructions, water levels were successfully measured, and sampling was performed using 1.3-inch diameter PDBs during the current event.

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 2023 first semiannual groundwater monitoring event (June 2023), PDBs were installed in ten wells. On November 27–28, 2023, the PDBs were retrieved, and VOC samples were collected by directly discharging groundwater into laboratory-provided sample containers. A sample summary is presented in Table 2. The period between sampling events met and surpassed the necessary equilibration times for Site COCs of 6 months (USGS, 2001). Following sample collection, new PDBs were installed for the 2024 first semiannual event (Appendix A). New PDBs, pre-filled with deionized water, were set and submerged in the nine monitoring wells scheduled for sampling during the 2024 first semiannual event. An additional PDB was inadvertently set at WR-MW-01B; however, the well is scheduled for annual sampling only. Smaller diameter PDBs (1.3-inch diameter) were used at wells WR-MW-01 and WR-MW-02 because the bent casings prevented standard PDBs (1.75-inch diameter) from reaching groundwater in previous events.

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 analyses were performed using EPA Method 8260C, and data were reported for the analytes identified in Worksheet #15 of the QAPP/WP (Ahtna, 2021b).

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 Quality Control

A quality control (QC) preparatory phase meeting was held between Ahtna and USACE representatives before beginning fieldwork to confirm an understanding of the scope of work. Initial and follow-up phase inspection forms were prepared but not recorded during field activities. No impacts to data quality are identified.

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 and analyzed.

3.8 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 2023 Second Semiannual Event. Supporting data includes:

Table 1— Groundwater elevation data and well details

Table 2 — Sample Summary: list of the wells sampled and analyses performed

Table 3 — Laboratory results for all VOCs

Table 4 — Laboratory results for COCs

Figure 3 — Aquifer Zone A Groundwater Potentiometric Surface Flow and Contaminants of Concern Gradient

Appendix B — Historical groundwater monitoring data

Appendix C — Time-series plots of groundwater elevations and COC data

4.1 Groundwater Gradient and Flow Direction

In Aquifer Zone A, groundwater was encountered at elevations ranging from 42.53 to 43.27 ft amsl (Table 1). The water table is relatively flat, with a groundwater gradient of 0.0030 ft/ft between the most upgradient well (WR-MW-08A) and the most downgradient (WR-MW-04A). The overall flow direction is toward the north-northwest, consistent with historical observations (Figure 3).

Well WR-MW-01B, screened in Aquifer Zone B, had a groundwater elevation of 38.87 ft amsl. Comparing this elevation against the elevation at nearby WR-MW-01 (42.37 ft amsl) indicates a downward gradient between the A and B Aquifers. This is consistent with historical observations.

From June 2023 to November 2023, groundwater levels increased in all Aquifer A wells, averaging an increase of 0.43 ft. Groundwater elevation decreased by 0.88 ft in the Aquifer B well (WR-MW-01B).

4.2 VOC Analytical Results

Table 3 presents the VOC analytical sampling results. During the 2023 Second Semiannual Event, no COCs were detected in wells WR-MW-01B (Aquifer B) and WR-MW-08A. All other wells had detections of one or more COCs (Table 4). PCE was the only COC detected at concentrations exceeding the State and Federal MCLs. Exceedances were reported at WR-MW-02 and WR-MW-04A. A summary of the COC results is provided in Table 4-1 below.

Table 4-1. Summary of COC Results

Analyte	MCLs (µg/L)		Number of Wells with			Max. Concentration	
	CA	Federal	Detections	Exceedances		Location	Result (µg/L)
				CA MCL	Federal MCL		
PCE	5	5	8	2	2	WR-MW-02	12
TCE	5	5	6	0	0	WR-MW-01	2.5
cis-1,2-DCE	6	70	6	0	0	WR-MW-12A	5.3
VC	0.5	2	1	0	0	WR-MW-09A	0.11 J

Notes:

µg/L micrograms per liter

CA California

DCE dichloroethane

J estimated value, bias indeterminate

MCL Maximum Contaminant Level

PCE tetrachloroethene

TCE trichloroethene

VC vinyl chloride

5.0 Conclusions and Recommendations

Detailed evaluations of Site data and recommendations for future activities were provided in the *Groundwater Sampling Optimization Plan* finalized in October 2022 (Ahtna, 2022). The current 2023 Second Semiannual Event results are consistent with recent data and do not indicate a need to revise the conclusions or recommendations included in that document.

The following general conclusions are made regarding the Site status:

1. COC concentrations at the Site continue to exceed the MCLs. Seven 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 (June 2022–November 2023). This includes the following perimeter wells: WR-MW-01 to the east (2022 second semiannual and 2023 first semiannual), WR-MW-02 to the east (both events in 2023), WR-MW-04A to the northwest (all 4 events), WR-MW-09A to the north (both events in 2022 and the first semiannual in 2023), and WR-MW-10A to the north (2022 second semiannual and 2023 first semiannual). Therefore, the current plume extents are not well defined.
2. PCE dechlorination generally occurs according to the sequence of PCE degrading to TCE, TCE degrading to DCE, and DCE degrading to VC. During active dechlorination, a distribution of concentrations would be expected across all four stages. However, PCE and DCE concentrations are relatively higher than TCE and VC concentrations. This observation, paired with a general lack of decreasing COC concentrations, indicates that dechlorination is not progressing.
3. Water levels decreased sharply from 2012 to 2016; however, recent data (2021–2023) indicate a steady increase in Aquifer A water levels of approximately 0.67 ft/year. A 0.43 ft increase was observed in this event.
4. Short-term seasonal variations in groundwater levels and COC concentrations appear minimal, with similar results observed in the second and fourth-quarter sampling events. Longer-term variations in COC concentrations have been observed at select wells (WR-MW-02 and WR-MW-09A) and may be influenced by year-over-year changes in water levels at the Site.

The recommendation for this Site in the near term is that groundwater monitoring be continued semiannually and a downhole camera used to investigate potential obstructions in monitoring wells WR-MW-01 and WR-MW-02. The use of smaller diameter PDBs (1.3-inch diameter) in all wells is recommended for the next sampling event to allow easier deployment within the 2.0-inch well casings. However, due to the increase in groundwater elevations to pre-2016 levels (Appendix C), alternative sampling methods, such as low-flow and hydrasleeve sampling, should be evaluated as alternatives to PDB sampling.

Continued maintenance of the monitoring wells is recommended to ensure the well network's integrity. New Christy Boxes (well boxes) should be installed at WR-MW-01 and WR-MW-02 due to stripped well box tabs.

A Groundwater Sampling Optimization Plan was developed in 2022 to evaluate the current monitoring program data and provide recommendations for optimizing the program to meet site closure requirements. The Groundwater Sampling Optimization Plan recommended another injection event (ERD)

and other tasks to meet site closure requirements. The long-term recommendation is the implementation of the Groundwater Sampling Optimization Plan following the CERCLA process (Proposed Plan, ROD, and Remedial Design Plan) 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.
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Tables

Table 1. Groundwater Elevation Data and Well Details

Location ID	Coordinates ^[1]		Aquifer	Well Dia. (in)	Casing Elevation (ft amsl)	Screen Interval		Date Measured	Sample Time	Depth to Water (ft btoc)	Water Column Height	GW Elevation (ft amsl)		
	Northing	Easting				Top (ft btoc)	Bottom (ft btoc)					Nov 2023	Jun 2023	Change
WR-MW-01	2079737	5808543	A	2	122.05	71.50	86.5	11/27/23	15:05	79.13	8.47	42.92	42.37	0.55
WR-MW-01B	2079736	5808531	B	2	122.15	130.0	140.0	11/27/23	14:00	83.28	57.22	38.87	39.75	-0.88
WR-MW-02	2079633	5808536	A	2	121.73	72.5	87.5	11/28/23	10:50	78.69	9.81	43.04	42.59	0.45
WR-MW-04A	2079776	5808301	A	2	121.55	75.0	85.0	11/28/23	08:10	79.02	5.68	42.53	42.22	0.31
WR-MW-05A	2079733	5808469	A	2	121.85	75.0	85.0	11/27/23	15:45	79.02	6.08	42.83	42.38	0.45
WR-MW-07A	2079787	5808621	A	2	119.33	75.0	85.0	11/27/23	13:08	76.26	7.24	43.07	42.58	0.49
WR-MW-08A	2079610	5808499	A	2	121.30	75.0	85.0	11/28/23	10:05	78.03	6.97	43.27	42.84	0.43
WR-MW-09A	2079767	5808513	A	2	122.17	75.0	85.0	11/27/23	16:10	79.37	5.63	42.80	42.37	0.43
WR-MW-10A	2079770	5808360	A	2	121.95	75.0	85.0	11/28/23	07:35	79.38	5.12	42.57	42.23	0.34
WR-MW-11A	2079698	5808347	A	2	121.99	75.0	85.0	11/28/23	08:40	79.30	5.30	42.69	42.29	0.40
WR-MW-12A	2079739	5808384	A	2	121.80	75.0	85.0	11/28/23	09:30	79.11	5.79	42.69	42.29	0.40

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 Summary

Location ID	Sample ID	Sample Date	Sample Time	Sample Depth (ft btoc)	Sample Type	Analysis	Test Method	Sampling Frequency	Sampling Method
WR-MW-01	WR-MW-01-1123-N	11/27/23	15:05	85.35	NS	VOCs	EPA 8260C	Semiannual	PDB
WR-MW-01B	WR-MW-01B-1123-N	11/27/23	14:00	127.7	NS	VOCs	EPA 8260C	Annual	PDB
WR-MW-02	WR-MW-02-1123-N	11/28/23	10:50	87	NS	VOCs	EPA 8260C	Semiannual	PDB
WR-MW-04A	WR-MW-04A-1123-N	11/28/23	08:10	81.6	NS	VOCs	EPA 8260C	Semiannual	PDB
WR-MW-05A	WR-MW-05A-1123-N	11/27/23	15:45	84.8	NS	VOCs	EPA 8260C	Semiannual	PDB
WR-MW-07A	— ^[1]	—	—	—	—	—	—	—	—
WR-MW-08A	WR-MW-08A-1123-N WR-MW-08A-1123-D	11/28/23	10:10 10:05	82.5	NS/FD	VOCs	EPA 8260C	Semiannual	PDB
WR-MW-09A	WR-MW-09A-1123-N	11/27/23	16:10	83.4	NS	VOCs	EPA 8260C	Semiannual	PDB
WR-MW-10A	WR-MW-10A-1123-N	11/28/23	07:35	83	NS	VOCs	EPA 8260C	Semiannual	PDB
WR-MW-11A	WR-MW-11A-1123-N	11/28/23	08:40	82.9	NS	VOCs	EPA 8260C	Semiannual	PDB
WR-MW-12A	WR-MW-12A-1123-N	11/28/23	09:30	80.5	NS	VOCs	EPA 8260C	Semiannual	PDB

Notes:

[1] = Only water level is measured. See Table 1 for data.

EPA = U.S. Environmental Protection Agency

FD = Field duplicate

ft btoc = feet below top of casing

NS = Normal sample

PDB = passive diffusion bag

VOC = volatile organic compound

Table 3. Groundwater Monitoring Results — All Volatile Organic Compounds

				1,1,1-Trichloroethane	1,1-Dichloroethene	2-Butanone (MEK)	Acetone	Benzene	Bromodi-chloromethane	Bromoform	Chloroform
Analyte											
Analytical Method				SW8260C	SW8260C	SW8260C	SW8260C	SW8260C	SW8260C	SW8260C	SW8260C
Units				µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
California MCL				200	6	—	—	1	80	80	80
Federal MCL				200	7	—	—	5	80	80	80
Location	Sample ID	Sampled	Type	Result	Result	Result	Result	Result	Result	Result	Result
WR-MW-01	WR-MW-01-1123-N	11/27/23	NS	0.16 U	0.20 U	3 U	8 U	0.16 U	0.30 U	0.30 U	0.16 U
WR-MW-01B	WR-MW-01B-1123-N	11/27/23	NS	0.16 U	0.20 U	3 U	8 U	0.11 J	0.30 U	0.30 U	0.16 U
WR-MW-02	WR-MW-02-1123-N	11/28/23	NS	0.16 U	0.20 U	3 U	8 U	0.16 U	0.30 U	0.30 U	0.16 U
WR-MW-04A	WR-MW-04A-1123-N	11/28/23	NS	0.16 U	0.20 U	3 U	8 U	0.16 U	0.30 U	0.30 U	0.16 U
WR-MW-05A	WR-MW-05A-1123-N	11/27/23	NS	0.16 U	0.20 U	3 U	8 U	0.16 U	0.30 U	0.30 U	0.16 U
WR-MW-08A	WR-MW-08A-1123-D	11/28/23	FD	0.16 U	0.20 U	3 U	8 U	0.16 U	0.30 U	0.30 U	0.16 U
WR-MW-08A	WR-MW-08A-1123-N	11/28/23	NS	0.16 U	0.20 U	3 U	8 U	0.16 U	0.30 U	0.30 U	0.16 U
WR-MW-09A	WR-MW-09A-1123-N	11/27/23	NS	0.16 U	0.20 U	3 U	8 U	0.16 U	0.30 U	0.30 U	0.16 U
WR-MW-10A	WR-MW-10A-1123-N	11/28/23	NS	0.16 U	0.20 U	3 U	8 U	0.16 U	0.30 U	0.30 U	0.16 U
WR-MW-11A	WR-MW-11A-1123-N	11/28/23	NS	0.16 U	0.20 U	3 U	79	0.16 U	0.30 U	0.30 U	0.16 U
WR-MW-12A	WR-MW-12A-1123-N	11/28/23	NS	0.16 U	0.20 U	3 U	8 U	0.16 U	0.30 U	0.30 U	0.16 U

Notes:
 µg/L= micrograms per liter
Bold Underline= exceeds State and Federal MCL
Bold= exceeds the State MCL
 FD= Field duplicate
 J= Estimated value; (+) high bias (-) low bias
 MCL= Maximum Contaminant Level
 NS= Normal sample
 U= not detected above the indicated limit of detection

Table 3. Groundwater Monitoring Results — All Volatile Organic Compounds

				Analyte	Chloromethane	cis-1,2-Dichloroethene	Dibromo-chloromethane	tert-Butyl methyl ether (MTBE)	Tetrachloroethene	Toluene	Total xylenes	trans-1,2-Dichloroethene
				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	13	5	150	1750	
				Federal MCL	—	70	80	—	5	1000	10000	
Location	Sample ID	Sampled	Type	Result	Result	Result	Result	Result	Result	Result	Result	
WR-MW-01	WR-MW-01-1123-N	11/27/23	NS	0.16 U	0.55	0.16 U	0.16 U	4.5	0.16 U	0.46 U	0.16 U	
WR-MW-01B	WR-MW-01B-1123-N	11/27/23	NS	0.16 U	0.16 U	0.16 U	0.16 U	0.30 U	0.16 U	0.46 U	0.16 U	
WR-MW-02	WR-MW-02-1123-N	11/28/23	NS	0.16 U	0.16 U	0.16 U	0.16 U	12	0.16 U	0.46 U	0.16 U	
WR-MW-04A	WR-MW-04A-1123-N	11/28/23	NS	0.16 U	1.3	0.16 U	0.16 U	7.4	0.16 U	0.46 U	0.16 U	
WR-MW-05A	WR-MW-05A-1123-N	11/27/23	NS	0.16 U	4.2	0.16 U	0.16 U	0.21 J	0.16 U	0.46 U	0.16 U	
WR-MW-08A	WR-MW-08A-1123-D	11/28/23	FD	0.16 U	0.16 U	0.16 U	0.16 U	0.30 U	0.16 U	0.46 U	0.16 U	
WR-MW-08A	WR-MW-08A-1123-N	11/28/23	NS	0.16 U	0.16 U	0.16 U	0.16 U	0.30 U	0.16 U	0.46 U	0.16 U	
WR-MW-09A	WR-MW-09A-1123-N	11/27/23	NS	0.16 U	4.9	0.16 U	0.16 U	0.24 J	0.16 U	0.46 U	0.16 U	
WR-MW-10A	WR-MW-10A-1123-N	11/28/23	NS	0.16 U	4.4	0.16 U	0.16 U	4.7	0.16 U	0.46 U	0.12 J	
WR-MW-11A	WR-MW-11A-1123-N	11/28/23	NS	0.16 U	0.16 U	0.16 U	0.16 U	3.3	0.16 U	0.46 U	0.16 U	
WR-MW-12A	WR-MW-12A-1123-N	11/28/23	NS	0.16 U	5.3	0.16 U	0.16 U	2.0	0.16 U	0.46 U	0.16 U	

Notes:
 µg/L= micrograms per liter
Bold Underline= exceeds State and Federal MCL
Bold= exceeds the State MCL
 FD= Field duplicate
 J= Estimated value; (+) high bias (-) low bias
 MCL= Maximum Contaminant Level
 NS= Normal sample
 U= not detected above the indicated limit of detection

Table 3. Groundwater Monitoring Results — All Volatile Organic Compounds

				Analyte	Trichloroethene	Vinyl Chloride
				Analytical Method	SW8260C	SW8260C
				Units	µg/L	µg/L
				California MCL	5	0.5
				Federal MCL	5	2
Location	Sample ID	Sampled	Type	Result	Result	
WR-MW-01	WR-MW-01-1123-N	11/27/23	NS	2.5	0.16 U	
WR-MW-01B	WR-MW-01B-1123-N	11/27/23	NS	0.16 U	0.16 U	
WR-MW-02	WR-MW-02-1123-N	11/28/23	NS	0.18 J	0.16 U	
WR-MW-04A	WR-MW-04A-1123-N	11/28/23	NS	1.3	0.16 U	
WR-MW-05A	WR-MW-05A-1123-N	11/27/23	NS	0.16 U	0.16 U	
WR-MW-08A	WR-MW-08A-1123-D	11/28/23	FD	0.16 U	0.16 U	
WR-MW-08A	WR-MW-08A-1123-N	11/28/23	NS	0.16 U	0.16 U	
WR-MW-09A	WR-MW-09A-1123-N	11/27/23	NS	0.35 J	0.11 J	
WR-MW-10A	WR-MW-10A-1123-N	11/28/23	NS	1.6	0.16 U	
WR-MW-11A	WR-MW-11A-1123-N	11/28/23	NS	0.16 U	0.16 U	
WR-MW-12A	WR-MW-12A-1123-N	11/28/23	NS	0.63	0.16 U	

Notes:
 µg/L= micrograms per liter
Bold Underline= exceeds State and Federal MCL
Bold= exceeds the State MCL
 FD= Field duplicate
 J= Estimated value; (+) high bias (-) low bias
 MCL= Maximum Contaminant Level
 NS= Normal sample
 U= not detected above the indicated limit of detection

Table 4. Groundwater Monitoring Results — Contaminants of Concern

				Analyte	Tetrachloroethene	Trichloroethene	cis-1,2-Dichloroethene	Vinyl Chloride
				Analytical Method	SW8260C	SW8260C	SW8260C	SW8260C
				Units	µg/L	µg/L	µg/L	µg/L
				California MCL	5	5	6	0.5
				Federal MCL	5	5	70	2
Location	Sample ID	Sampled	Type	Result	Result	Result	Result	
WR-MW-01	WR-MW-01-1123-N	11/27/23	NS	4.5	2.5	0.55	0.16 U	
WR-MW-01B	WR-MW-01B-1123-N	11/27/23	NS	0.30 U	0.16 U	0.16 U	0.16 U	
WR-MW-02	WR-MW-02-1123-N	11/28/23	NS	<u>12</u>	0.18 J	0.16 U	0.16 U	
WR-MW-04A	WR-MW-04A-1123-N	11/28/23	NS	<u>7.4</u>	1.3	1.3	0.16 U	
WR-MW-05A	WR-MW-05A-1123-N	11/27/23	NS	0.21 J	0.16 U	4.2	0.16 U	
WR-MW-08A	WR-MW-08A-1123-D	11/28/23	FD	0.30 U	0.16 U	0.16 U	0.16 U	
WR-MW-08A	WR-MW-08A-1123-N	11/28/23	NS	0.30 U	0.16 U	0.16 U	0.16 U	
WR-MW-09A	WR-MW-09A-1123-N	11/27/23	NS	0.24 J	0.35 J	4.9	0.11 J	
WR-MW-10A	WR-MW-10A-1123-N	11/28/23	NS	4.7	1.6	4.4	0.16 U	
WR-MW-11A	WR-MW-11A-1123-N	11/28/23	NS	3.3	0.16 U	0.16 U	0.16 U	
WR-MW-12A	WR-MW-12A-1123-N	11/28/23	NS	2.0	0.63	5.3	0.16 U	

Notes:

Bold= exceeds the State MCL

Bold Underline= exceeds State and Federal MCL

µg/L = micrograms per liter

FD = Field duplicate

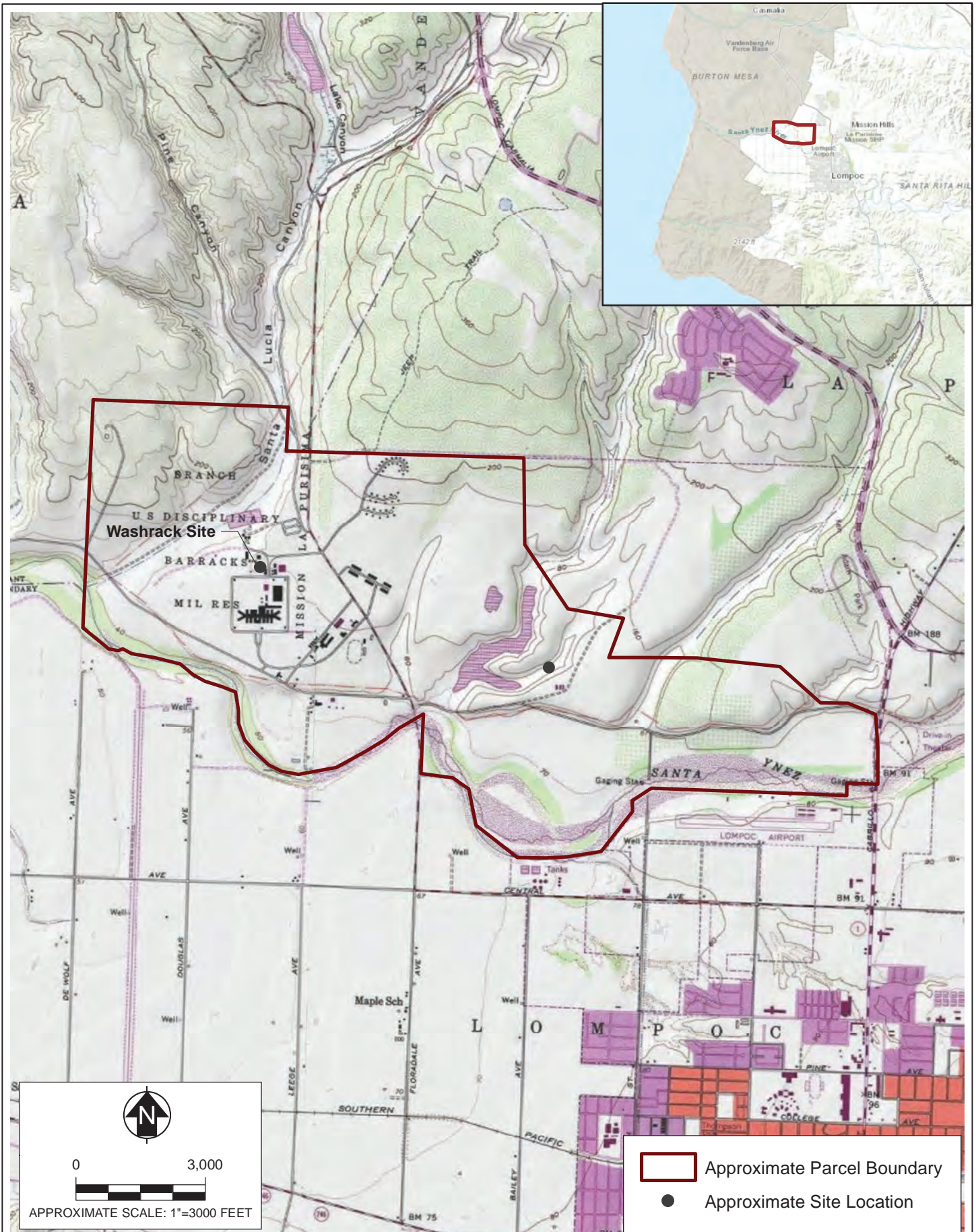
J = Estimated value; (+) high bias (-) low bias

MCL = Maximum Contaminant Level

NS = Normal sample

U = not detected above the indicated limit of detection

Figures

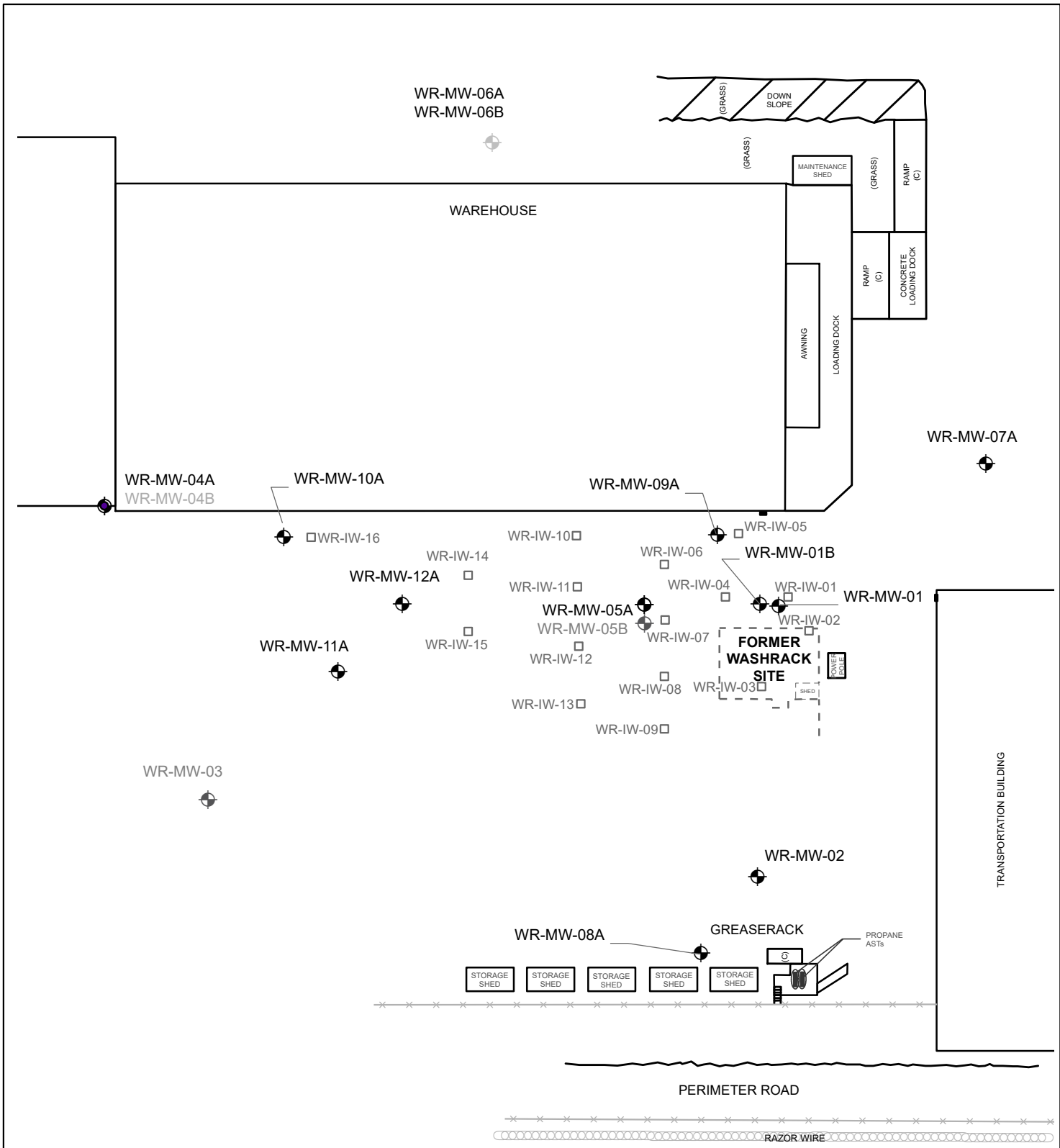


Ahtna

2023 Second Semiannual Groundwater
Monitoring Report- Washrack Site
Environmental Long-Term Monitoring
and Inspection
Former USDB, Lompoc, California

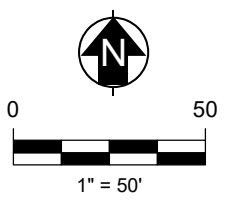
Washrack Site
Location Map

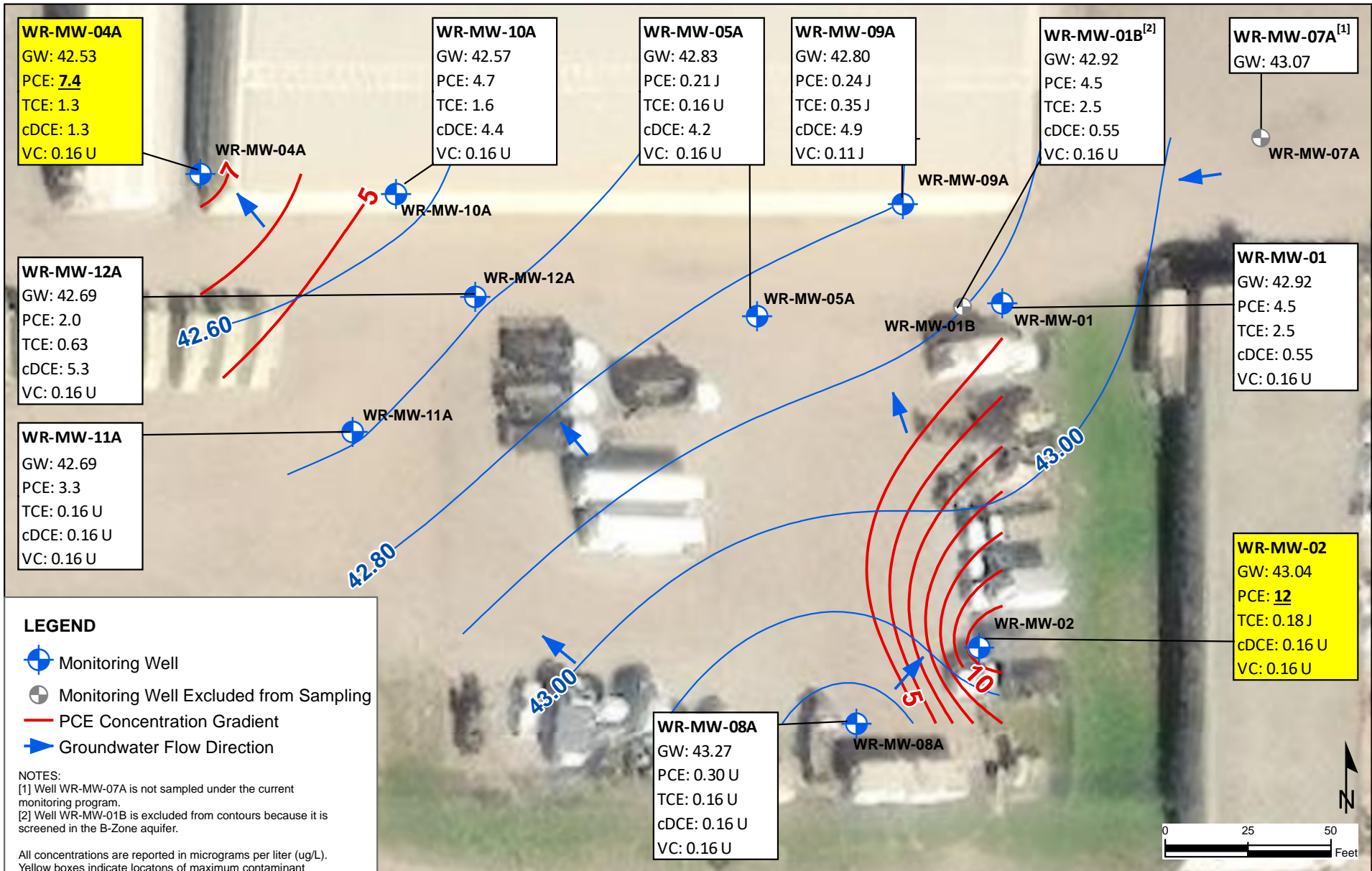
1



LEGEND:

- Former Injection Well (Abandoned)
- ⊕ Monitoring Well
- ⊕ Former Monitoring Well
- *—*—* Fence





WR-MW-04A
 GW: 42.53
 PCE: 7.4
 TCE: 1.3
 cDCE: 1.3
 VC: 0.16 U

WR-MW-10A
 GW: 42.57
 PCE: 4.7
 TCE: 1.6
 cDCE: 4.4
 VC: 0.16 U

WR-MW-05A
 GW: 42.83
 PCE: 0.21 J
 TCE: 0.16 U
 cDCE: 4.2
 VC: 0.16 U

WR-MW-09A
 GW: 42.80
 PCE: 0.24 J
 TCE: 0.35 J
 cDCE: 4.9
 VC: 0.11 J

WR-MW-01B^[2]
 GW: 42.92
 PCE: 4.5
 TCE: 2.5
 cDCE: 0.55
 VC: 0.16 U

WR-MW-07A^[1]
 GW: 43.07

WR-MW-12A
 GW: 42.69
 PCE: 2.0
 TCE: 0.63
 cDCE: 5.3
 VC: 0.16 U

WR-MW-01
 GW: 42.92
 PCE: 4.5
 TCE: 2.5
 cDCE: 0.55
 VC: 0.16 U

WR-MW-11A
 GW: 42.69
 PCE: 3.3
 TCE: 0.16 U
 cDCE: 0.16 U
 VC: 0.16 U

WR-MW-02
 GW: 43.04
 PCE: 12
 TCE: 0.18 J
 cDCE: 0.16 U
 VC: 0.16 U

LEGEND

- Monitoring Well
- Monitoring Well Excluded from Sampling
- PCE Concentration Gradient
- Groundwater Flow Direction

NOTES:
 [1] Well WR-MW-07A is not sampled under the current monitoring program.
 [2] Well WR-MW-01B is excluded from contours because it is screened in the B-Zone aquifer.

All concentrations are reported in micrograms per liter (ug/L).
 Yellow boxes indicate locations of maximum contaminant level (MCL) exceedances.
 BOLD: indicates concentration exceeding the California MCL
 UNDERLINE: indicates concentration exceeding the Federal MCL
 GW: groundwater elevation in feet above mean sea level

Acronyms:
 cDCE: cis-1,2-Dichloroethene
 PCE: tetrachloroethene
 TCE: trichloroethene
 VC: vinyl chloride
 J= Estimated value; (+) high bias (-) low bias
 U= not detected above the indicated limit of detection

Aquifer Zone A Potentiometric Surface Flow and Contaminants of Concern Concentration Gradient

2023 Second Semiannual Groundwater Monitoring Report
 Washrack Site
 Former USDB, Lompoc, CA

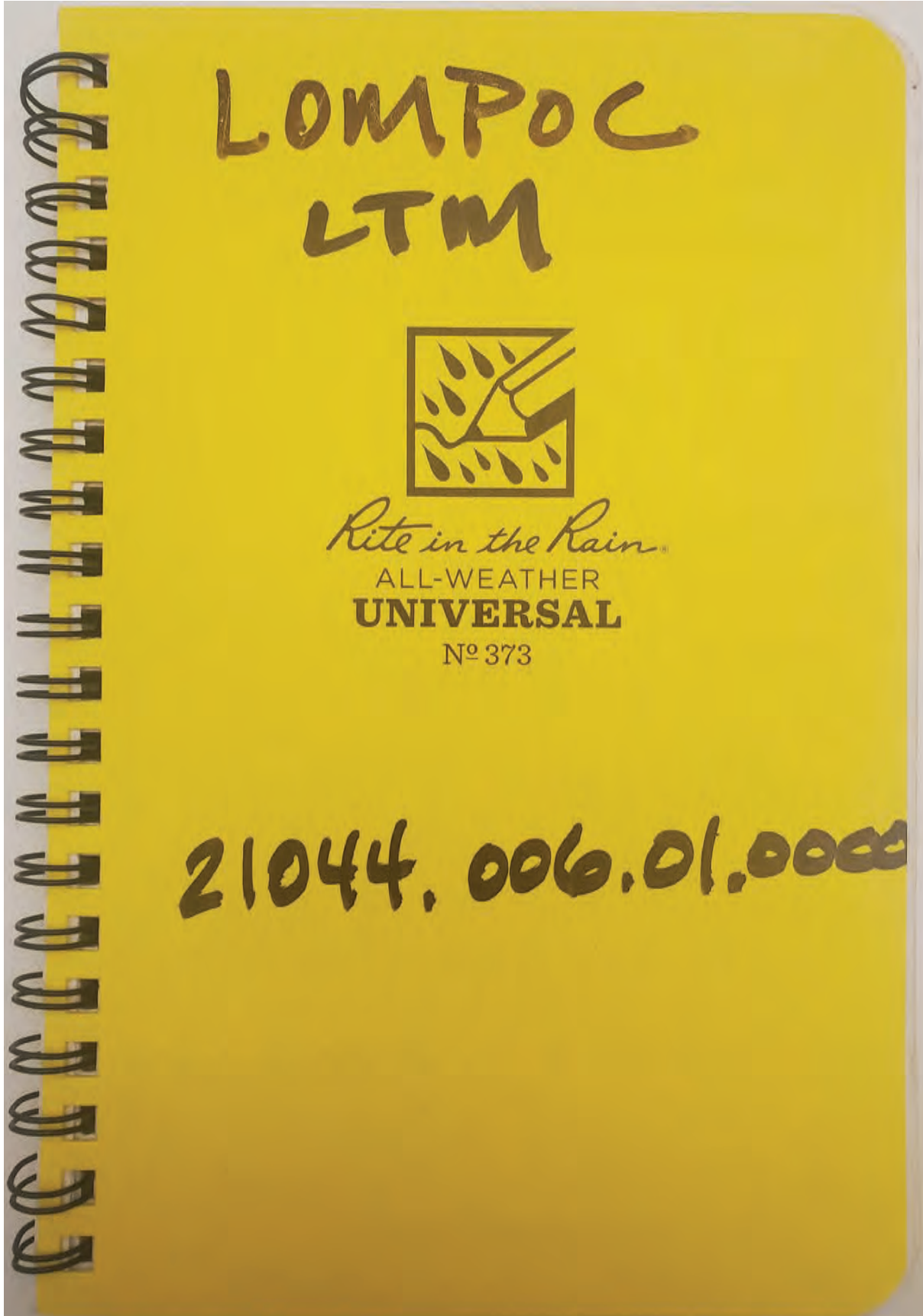


Project Number:
21044.006
 Date:
4/2/2024
 Drafted By:
LD

Figure Number:
3

Appendices

Appendix A. Field Notes and Photo Log



CONTENTS		
PAGE	CONTACTS	DATE
	Pgm - Sommer Carter - 925-357-0750 (Ahtna)	0750
	BOP - POC Brad Halbeisen 805-737-3169 OR Fernando Pena 805-737-3170	

LD. KW.	LOMPOC SECOND Semiannual GWM	11.27.23
0830	LD & KW meet at office. QC gear. Review drive safety. Pick up truck at ou2.	
0900	Depart for LOMPOC	
1230	Arrive at LOMPOC. Meet S. Korben Tailgate mtg. Check in @ office w/ Brad H. Begin at MW-07A.	
1235	Maintenance at MW-07A: Scrub well lid to remove all dirt. Retap lid w/ 15/16 Retap thread, new bolts 15/16 new gasket. Collect N, E, TOC, TOV, ground	
1335	Set up on MW-01B. Collect Sample top of PDB at 127.7 NOTE MW-01 - Unable to re-thread "to large" thread to damaged to retap. Needs Christy box. at MW01B put rip tie at total depth. then brought up and set @ 135.5 (top of skinny PDB). New rope installed.	
1450	Set up on MW01. → new gasket MW01B - retaped, new bolts 15/16	

Scale: 1 square = _____
 Note in the Rain 1/2

<p>11-27-23 Lompoc Second Semiannual GWM 1530 Set up on MW05A. Maintenance: Retaped threads installed new gasket & bolts 1 5/16 1600 Set up on MW09A. Maintenance: Retaped threads new gasket & bolts 1 5/16 1640 Complete well sampling/ maintenance activities for the day. Sampled 4 wells + gauged 5 (incl MW07A) 1700 offsite, Back to hotel to QC. 1745 end of day</p> <p style="text-align: right;">LD AMM</p>	<p>11-28-23 Lompoc Second Semiannual GWM 0700 Arrive onsite. Tailgate mtg. Check in w/ BOP staff. 0710 Set up on MW-10A. Maintenance: Retap threads 0800 Setup on MW-04A + new gasket Maintenance: Retap threads new gasket 0830 Setup on MW-11A Maintenance: re tap threads, new gasket new gasket 1/2 0950 set up on MW08A Maintenance: re-tap, new gasket. 1040 set up on MW02-A retap threads to 1 5/16, new gasket additional maintenance complete QC samples.</p> <p style="text-align: right;">LD AW</p>
--	--

1300 Arrive at wood dump for inspection.
 Sommer C, Steve Korbey, A. Mank,
 + Leslie D on site.

1445 Complete wood dump inspection.

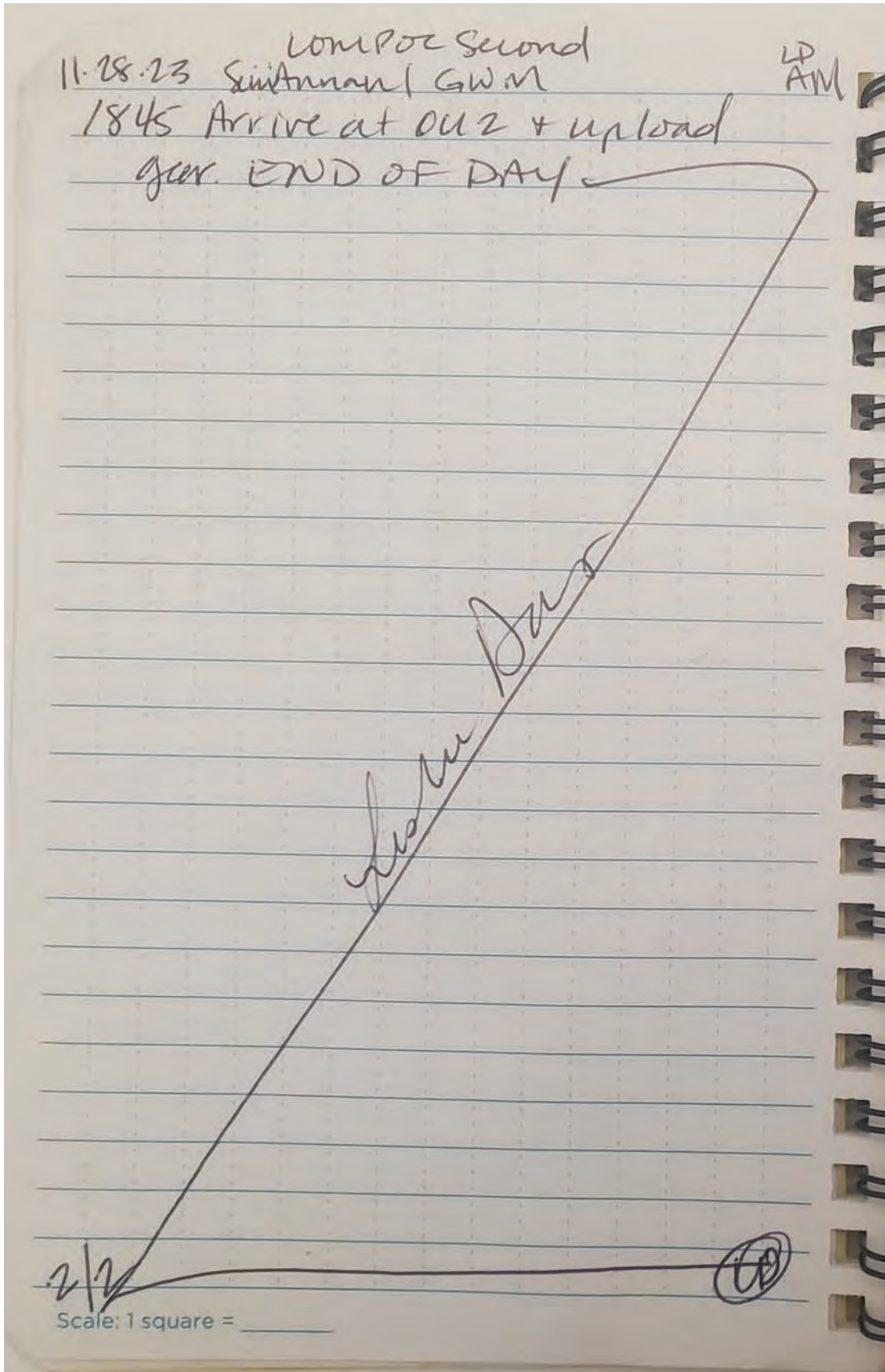
1500 Arrive at FAL, Sommer + Steve
 offsite @ 1400. spec locations
 for owl boxes. Must remove bait station
 if owl boxes are deployed.

1515 offsite. Head to Lompoc library
 to drop off reports for AR.

1545 Depart Lompoc for DU2.

Scale: 1 square = _____

1/2
Rite in the Rain



**Water Level Measurements and PDB Sampling Data
Completed November 27, 2023**

Project Site: USDB Lompoc, Washrack Site

Job Number: 21044.006.01.00

Location	Ref Point (TOC)	Depth to Water (ft btoc)	Total Depth (ft btoc)	Previous Measurements (June 2023)			Sample Date	Sample Time	Sample ID	Sample Depth (ft btoc)	New Deployment Depth (ft btoc)	Comments
				Depth to Water (ft btoc)	Total Depth (ft btoc)	Water Column Height						
WR-MW-01	122.05	79.13	87.60	79.68	87.60	7.92	11/27/2023	15:05	WR-MW-01-1123-N	85.35	82.6	
WR-MW-01B	122.15	83.28	140.50	82.40	140.40	58.00	11/27/2023	14:00	WR-MW-01B-1123-N	127.7	135.5	Set new sample, but no sampling planned for 2024 First Semiannual.
WR-MW-02	121.73	78.69	88.50	79.14	88.20	9.06	11/28/2023	10:50	WR-MW-02-1123-N	87	82	
WR-MW-04A	121.55	79.02	84.70	79.33	84.70	5.37	11/28/2023	8:10	WR-MW-04A-1123-N	81.6	82	
WR-MW-05A	121.85	79.02	85.10	79.47	85.20	5.73	11/27/2023	15:45	WR-MW-05A-1123-N	84.8	82.1	
WR-MW-07A	119.33	76.26	83.50	76.75	83.50	6.75	11/27/2023	13:08	Water Level Only	NA	na	
WR-MW-08A	121.30	78.03	85.00	78.46	85.10	6.64	11/28/2023	10:10 10:05	WR-MW-08A-1123-N WR-MW-08A-1123-D	82.5 82.0	81.0 82.0	Set extra PDB for duplicate
WR-MW-09A	122.17	79.37	85.00	79.80	85.00	5.20	11/27/2023	16:10	WR-MW-09A-1123-N	83.4	82	
WR-MW-10A	121.95	79.38	84.50	79.72	84.50	4.78	11/28/2023	7:35	WR-MW-10A-1123-N	83	82	
WR-MW-11A	121.99	79.30	84.60	79.70	84.70	5.00	11/28/2023	8:40	WR-MW-11A-1123-N	82.9	82	
WR-MW-12A	121.80	79.11	84.9	79.51	84.90	5.39	11/28/2023	9:30	WR-MW-12A-1123-N	80.5 81.5	81.0 82.0	Extra PDB set for MS/MSD
Field QC	N/A	N/A	N/A	N/A	N/A	N/A	11/28/2023	10:05	MW01A-1123-FB	N/A	N/A	Field Blank
							11/27/2023	8:00	MW12A-1123-TB			Trip Blank

Notes:

Ahtna

Site Safety Tailgate Meeting

Installation/Site Name	USDB Lompoc	Project Number	21044.006.01.000
Event Name	2023 Second Semiannual GWM	Safety Representative	A. Mauck
Date	11-27	Field Team Leader	Leslie Davis
Weather Forecast: 65° cloudy			

Participants (attach loose-leaf sheet if additional space is needed)

Printed Name and Initials	Affiliation	Role	Signature
Leslie Davis / LD	Ahtna	FT	<i>Leslie Davis</i>
Steve Karbay / SK	Ahtna	QC	<i>Steve Karbay</i>
A. Mauck / AM	Platonic	SSTO	<i>A. Mauck</i>

Scope of Today's Work

gauge all wells
 retrieve sampler / deploy PDBs
 survey wells + repair as needed

Health and Safety Topics Discussed (✓ applicable topics)

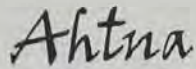
<input type="checkbox"/> Weather Factors	<input type="checkbox"/> Chem. of Concern	<input checked="" type="checkbox"/> Lifting Safety	<input type="checkbox"/> Sanitation
<input type="checkbox"/> AHA Review	<input type="checkbox"/> PPE Requirements	<input type="checkbox"/> Recent near miss/injuries/lessons	<input type="checkbox"/> <i>pinch pts</i>
<input checked="" type="checkbox"/> Site emergency SOP, rally point, etc.	<input checked="" type="checkbox"/> Slip/Trip/Fall Hazards	<input type="checkbox"/> BBS Hazard Triggers ^[1]	<input type="checkbox"/> _____
<input type="checkbox"/> Changed Conditions	<input checked="" type="checkbox"/> Site Controls	<input type="checkbox"/> BBS Trigger Controls ^[2]	<input type="checkbox"/> _____
<input type="checkbox"/> Equipment Hazards	<input type="checkbox"/> Biological Hazards	<input checked="" type="checkbox"/> Traffic Control	<input type="checkbox"/> _____
<input type="checkbox"/> COVID 19 SOPs	<input type="checkbox"/> COVID 19 SOPs		<input type="checkbox"/> _____

[1] Behavior-based Safety Hazard Triggers: Distractions, rushing, short-cuts, frustration, exhaustion, complacency, anger, multi-tasking, not focusing on task
 [2] Behavior-based Safety Trigger Controls: Communicating, accountability, patience, relaxation techniques, healthy lifestyle, and adequate sleep

Comments:

The individual in the Safety Representative role acknowledges that the checked (✓) topics were discussed.

Name (Print) Leslie Davis Signature *Leslie Davis* Date 11-27-23



Site Safety Tailgate Meeting

Installation/Site Name	USDB Lompoc	Project Number	21044.006.01.000
Event Name	2023 Second Semiannual GWM	Safety Representative	A. Mauck
Date	11/28/23	Field Team Leader	Leslie Davis
Weather Forecast: Clear, light wind, Cool			

Participants (attach loose-leaf sheet if additional space is needed)

Printed Name and Initials	Affiliation	Role	Signature
Andrew Mauck / Am	Ahtna	SSMO	
Leslie Davis	Ahtna	FTL	
SOMMER CARTER	AHTNA	PSM	
Steve Kirkby SK	Ahtna	QC	

Scope of Today's Work

Sample wells, well box maintenance, verify levels of PDB Rep.

Health and Safety Topics Discussed (✓ applicable topics)

<input type="checkbox"/> Weather Factors	<input type="checkbox"/> Chem. of Concern	<input type="checkbox"/> Lifting Safety	<input type="checkbox"/> Sanitation
<input type="checkbox"/> AHA Review	<input checked="" type="checkbox"/> PPE Requirements	<input type="checkbox"/> Recent near miss/injuries/lessons	<input checked="" type="checkbox"/> <u>Vehicle Movement</u>
<input type="checkbox"/> Site emergency SOP, rally point, etc.	<input type="checkbox"/> Slip/Trip/Fall Hazards	<input type="checkbox"/> BBS Hazard Triggers ^[1]	<input type="checkbox"/> _____
<input type="checkbox"/> Changed Conditions	<input type="checkbox"/> Site Controls	<input type="checkbox"/> BBS Trigger Controls ^[2]	<input type="checkbox"/> _____
<input checked="" type="checkbox"/> Equipment Hazards	<input type="checkbox"/> Biological Hazards	<input type="checkbox"/> Traffic Control	<input type="checkbox"/> _____
	<input type="checkbox"/> COVID 19 SOPs		

[1] Behavior-based Safety Hazard Triggers: Distractions, rushing, short-cuts, frustration, exhaustion, complacency, anger, multi-tasking, not focusing on task
 [2] Behavior-based Safety Trigger Controls: Communicating, accountability, patience, relaxation techniques, healthy lifestyle, and adequate sleep

Comments:

The individual in the Safety Representative role acknowledges that the checked (✓) topics were discussed.

Name (Print) Andrew Mauck Signature Date 11/28/23

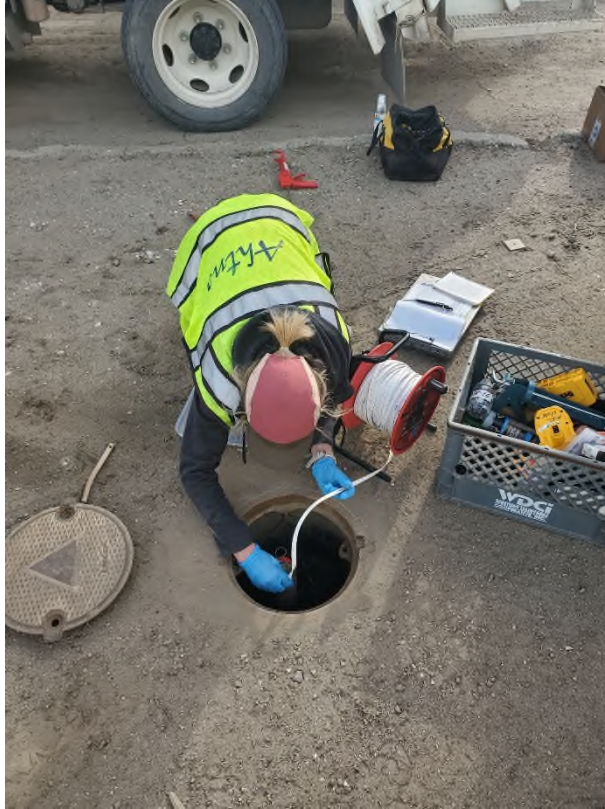


Photo #1: Collecting depth-to-water measurements using a water level meter with an accuracy of ± 0.01 ft.



Photo #2: Collecting water samples from passive diffusion bags (PDBs).



Photo #3: Primary and Duplicate PDBs set at WR-MW-08A.



Photo #4: Performing maintenance on well box — Removing dirt buildup using a steel-head rotary brush.



Photo #5: WR-MW-09A prior to well maintenance.



Photo #6: Condition of WR-MW-09A after well maintenance. Gasket replaced and dirt removed from well box.



Photo #7: Condition of WR-MW-05A after well maintenance.



Photo #8: Condition of WR-MW-08A after well maintenance.



Photo #9: Condition of WR-MW-02 after well maintenance. Repairs were attempted on the well lid tabs but unable to re-thread sufficiently.



Photo #10: Condition of WR-MW-07A after well maintenance. Bolts were replaced.



Photo #11: Condition of WR-MW-01 after well maintenance. Repairs were attempted on the well lid tabs but unable to re-thread sufficiently.

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-Methylphenol	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	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
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
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

Table B-1. Historical Groundwater Monitoring Results - Organics

Analyte		TPH-Diesel	TPH-Gas	TPH-Oil	1,1,1-TCA	1,1-DCE	4-Methylphenol	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	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
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
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

Table B-1. Historical Groundwater Monitoring Results - Organics

Analyte		TPH-Diesel	TPH-Gas	TPH-Oil	1,1,1-TCA	1,1-DCE	4-Methylphenol	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	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
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-01	11/29/22	—	—	—	0.16 U	0.15 J	—	8.0 U	0.16 U	—	0.30 U
WR-MW-01	06/15/23	—	—	—	0.16 U	0.20 U	—	8.0 U	0.16 U	—	0.30 U
WR-MW-01	11/27/23	—	—	—	0.16 U	0.20U	—	8 U	0.16 U	—	0.30 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
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

Table B-1. Historical Groundwater Monitoring Results - Organics

Analyte		TPH-Diesel	TPH-Gas	TPH-Oil	1,1,1-TCA	1,1-DCE	4-Methylphenol	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	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
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
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-01B	11/29/22	—	—	—	0.16 U	0.20 U	—	8.0 U	0.080 J	—	0.30 U
WR-MW-01B	11/27/23	—	—	—	0.16 U	0.20U	—	8 U	0.11 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

Table B-1. Historical Groundwater Monitoring Results - Organics

Analyte		TPH-Diesel	TPH-Gas	TPH-Oil	1,1,1-TCA	1,1-DCE	4-Methylphenol	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	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
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
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

Table B-1. Historical Groundwater Monitoring Results - Organics

Analyte		TPH-Diesel	TPH-Gas	TPH-Oil	1,1,1-TCA	1,1-DCE	4-Methylphenol	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	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
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-02	11/29/22	—	—	—	0.16 U	0.20 U	—	8.0 U	0.16 U	—	0.30 U
WR-MW-02	06/15/23	—	—	—	0.16 U	0.20 U	—	8.0 U	0.16 U	—	0.30 U
WR-MW-02	11/28/23	—	—	—	0.16 U	0.20U	—	8 U	0.16 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
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

Table B-1. Historical Groundwater Monitoring Results - Organics

Analyte		TPH-Diesel	TPH-Gas	TPH-Oil	1,1,1-TCA	1,1-DCE	4-Methylphenol	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	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
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
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-04A	11/29/22	—	—	—	0.16 U	0.20 U	—	8.0 U	0.16 U	—	0.30 U
WR-MW-04A	06/15/23	—	—	—	0.16 U	0.20 U	—	460	0.16 U	—	0.30 U

Table B-1. Historical Groundwater Monitoring Results - Organics

Analyte		TPH-Diesel	TPH-Gas	TPH-Oil	1,1,1-TCA	1,1-DCE	4-Methylphenol	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	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
WR-MW-04A	11/28/23	—	—	—	0.16 U	0.20U	—	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
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

Table B-1. Historical Groundwater Monitoring Results - Organics

Analyte		TPH-Diesel	TPH-Gas	TPH-Oil	1,1,1-TCA	1,1-DCE	4-Methylphenol	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	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
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
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-05A	11/29/22	—	—	—	0.16 U	0.20 U	—	8.0 U	0.16 U	—	0.30 U
WR-MW-05A	06/15/23	—	—	—	0.16 U	0.20 U	—	120	0.16 U	—	0.30 U
WR-MW-05A	11/27/23	—	—	—	0.16 U	0.20U	—	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

Table B-1. Historical Groundwater Monitoring Results - Organics

Analyte		TPH-Diesel	TPH-Gas	TPH-Oil	1,1,1-TCA	1,1-DCE	4-Methylphenol	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	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
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
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

Table B-1. Historical Groundwater Monitoring Results - Organics

Analyte		TPH-Diesel	TPH-Gas	TPH-Oil	1,1,1-TCA	1,1-DCE	4-Methylphenol	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	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
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
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

Table B-1. Historical Groundwater Monitoring Results - Organics

Analyte		TPH-Diesel	TPH-Gas	TPH-Oil	1,1,1-TCA	1,1-DCE	4-Methylphenol	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	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
WR-MW-08A	06/20/11	—	—	—	0.50 U	0.50 U	—	10 U	0.50 U	—	0.50 U
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-08A	11/29/22	—	—	—	0.16 U	0.20 U	—	8.0 U	0.16 U	—	0.30 U
WR-MW-08A	11/29/22	—	—	—	0.16 U	0.20 U	—	8.0 U	0.16 U	—	0.30 U
WR-MW-08A	06/15/23	—	—	—	0.16 U	0.20 U	—	8.0 U	0.16 U	—	0.30 U
WR-MW-08A	11/28/23	—	—	—	0.16 U	0.20U	—	8 U	0.16 U	—	0.30 U
WR-MW-08A	11/28/23	—	—	—	0.16 U	0.20U	—	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

Table B-1. Historical Groundwater Monitoring Results - Organics

Analyte		TPH-Diesel	TPH-Gas	TPH-Oil	1,1,1-TCA	1,1-DCE	4-Methylphenol	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	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
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
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
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

Table B-1. Historical Groundwater Monitoring Results - Organics

Analyte		TPH-Diesel	TPH-Gas	TPH-Oil	1,1,1-TCA	1,1-DCE	4-Methylphenol	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	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
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-09A	11/29/22	—	—	—	0.16 U	0.20 U	—	8.0 U	0.16 U	—	0.30 U
WR-MW-09A	06/15/23	—	—	—	0.16 U	0.20 U	—	340	0.16 U	—	0.30 U
WR-MW-09A	11/27/23	—	—	—	0.16 U	0.20U	—	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
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

Table B-1. Historical Groundwater Monitoring Results - Organics

Analyte		TPH-Diesel	TPH-Gas	TPH-Oil	1,1,1-TCA	1,1-DCE	4-Methylphenol	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	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
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-10A	11/29/22	—	—	—	0.16 U	0.20 U	—	8.0 U	0.16 U	—	0.30 U
WR-MW-10A	06/15/23	—	—	—	0.16 U	0.20 U	—	70	0.16 U	—	0.30 U
WR-MW-10A	11/28/23	—	—	—	0.16 U	0.20U	—	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
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

Table B-1. Historical Groundwater Monitoring Results - Organics

Analyte		TPH-Diesel	TPH-Gas	TPH-Oil	1,1,1-TCA	1,1-DCE	4-Methylphenol	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	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
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-11A	11/29/22	—	—	—	0.16 U	0.20 U	—	8.0 U	0.16 U	—	0.30 U
WR-MW-11A	06/15/23	—	—	—	0.16 U	0.20 U	—	1100	0.16 U	—	0.30 U
WR-MW-11A	11/28/23	—	—	—	0.16 U	0.20U	—	79	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
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

Table B-1. Historical Groundwater Monitoring Results - Organics

Analyte		TPH-Diesel	TPH-Gas	TPH-Oil	1,1,1-TCA	1,1-DCE	4-Methylphenol	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	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
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
WR-MW-12A	11/29/22	—	—	—	0.16 U	0.20 U	—	8.0 U	0.16 U	—	0.30 U
WR-MW-12A	06/15/23	—	—	—	0.16 U	0.20 U	—	230 J	0.16 U	—	0.30 U
WR-MW-12A	11/28/23	—	—	—	0.16 U	0.20U	—	8 U	0.16 U	—	0.30 U

Table B-1. Historical Groundwater Monitoring Results - Organics

Analyte		Bromoform	Chloromethane	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	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
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
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

Table B-1. Historical Groundwater Monitoring Results - Organics

Analyte		Bromoform	Chloromethane	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	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
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	—
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	—

Table B-1. Historical Groundwater Monitoring Results - Organics

Analyte		Bromoform	Chloromethane	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	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
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-01	11/29/22	0.30 U	0.16 U	0.16 U	18	0.16 U	—	3.0 U	0.16 U	0.32 J	—
WR-MW-01	06/15/23	0.30 U	0.16 U	0.16 U	3.5	0.16 U	—	3.0 U	0.16 U	3.2	—
WR-MW-01	11/27/23	0.30 U	0.16 U	0.16 U	0.55	0.16 U	—	3 U	0.16 U	4.5	—
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	—
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	—

Table B-1. Historical Groundwater Monitoring Results - Organics

Analyte		Bromoform	Chloromethane	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	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
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	—
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-01B	11/29/22	0.30 U	0.16 U	0.16 U	0.16 U	0.16 U	—	3.0 U	0.16 U	0.30 U	—
WR-MW-01B	11/27/23	0.30 U	0.16 U	0.16 U	0.16 U	0.16 U	—	3 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+	—

Table B-1. Historical Groundwater Monitoring Results - Organics

Analyte		Bromoform	Chloromethane	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	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
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	—
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	—

Table B-1. Historical Groundwater Monitoring Results - Organics

Analyte		Bromoform	Chloromethane	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	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
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-02	11/29/22	0.30 U	0.16 U	0.16 U	0.16 U	0.16 U	—	3.0 U	0.16 U	0.82	—
WR-MW-02	06/15/23	0.30 U	0.16 U	0.16 U	0.16 U	0.16 U	—	3.0 U	0.16 U	10	—
WR-MW-02	11/28/23	0.30 U	0.16 U	0.16 U	0.16 U	0.16 U	—	3 U	0.16 U	12	—
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	—
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	—

Table B-1. Historical Groundwater Monitoring Results - Organics

Analyte		Bromoform	Chloromethane	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	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
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	—
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-04A	11/29/22	0.30 U	0.16 U	0.16 U	0.80	0.16 U	—	3.0 U	0.16 U	5.3	—
WR-MW-04A	06/15/23	0.30 U	0.16 U	0.16 U	2.10	0.16 U	—	3.0 U	0.16 U	11	—

Table B-1. Historical Groundwater Monitoring Results - Organics

Analyte		Bromoform	Chloromethane	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	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
WR-MW-04A	11/28/23	0.30 U	0.16 U	0.16 U	1.3	0.16 U	—	3 U	0.16 U	7.4	—
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
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	—

Table B-1. Historical Groundwater Monitoring Results - Organics

Analyte		Bromoform	Chloromethane	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	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
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	—
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-05A	11/29/22	0.30 U	0.16 U	0.16 U	11	0.16 U	—	3.0 U	0.16 U	0.13 J	—
WR-MW-05A	06/15/23	0.30 U	0.16 U	0.16 U	11	0.16 U	—	3.0 U	0.16 U	0.16 J	—
WR-MW-05A	11/27/23	0.30 U	0.16 U	0.16 U	4.2	0.16 U	—	3 U	0.16 U	0.21 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	—

Table B-1. Historical Groundwater Monitoring Results - Organics

Analyte		Bromoform	Chloromethane	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	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
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	—
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	—

Table B-1. Historical Groundwater Monitoring Results - Organics

Analyte		Bromoform	Chloromethane	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	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
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	—
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	—

Table B-1. Historical Groundwater Monitoring Results - Organics

Analyte		Bromoform	Chloromethane	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	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
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	—
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-08A	11/29/22	0.30 U	0.16 U	0.16 U	0.16 U	0.16 U	—	3.0 U	0.16 U	0.30 U	—
WR-MW-08A	11/29/22	0.30 U	0.16 U	0.16 U	0.16 U	0.16 U	—	3.0 U	0.16 U	0.30 U	—
WR-MW-08A	06/15/23	0.30 U	0.16 U	0.16 U	0.16 U	0.16 U	—	3.0 U	0.16 U	0.30 U	—
WR-MW-08A	11/28/23	0.30 U	0.16 U	0.16 U	0.16 U	0.16 U	—	3 U	0.16 U	0.30 U	—
WR-MW-08A	11/28/23	0.30 U	0.16 U	0.16 U	0.16 U	0.16 U	—	3 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

Table B-1. Historical Groundwater Monitoring Results - Organics

Analyte		Bromoform	Chloromethane	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	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
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
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	—
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	—

Table B-1. Historical Groundwater Monitoring Results - Organics

Analyte		Bromoform	Chloromethane	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	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
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-09A	11/29/22	0.30 U	0.16 U	0.16 U	9.5	0.16 U	—	3.0 U	0.16 U	0.25 J	—
WR-MW-09A	06/15/23	0.30 U	0.16 U	0.16 U	8.6	0.16 U	—	3.0 U	0.16 U	0.30 J	—
WR-MW-09A	11/27/23	0.30 U	0.16 U	0.16 U	4.9	0.16 U	—	3 U	0.16 U	0.24 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	—
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	—

Table B-1. Historical Groundwater Monitoring Results - Organics

Analyte		Bromoform	Chloromethane	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	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
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-10A	11/29/22	0.30 U	0.16 U	0.16 U	4.7	0.16 U	—	3.0 U	0.16 U	5.1	—
WR-MW-10A	06/15/23	0.30 U	0.16 U	0.16 U	4.8	0.16 U	—	3.0 U	0.16 U	5.2	—
WR-MW-10A	11/28/23	0.30 U	0.16 U	0.16 U	4.4	0.16 U	—	3 U	0.16 U	4.7	—
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	—
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	—

Table B-1. Historical Groundwater Monitoring Results - Organics

Analyte		Bromoform	Chloromethane	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	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
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-11A	11/29/22	0.30 U	0.16 U	0.16 U	0.16 U	0.16 U	—	3.0 U	0.16 U	3.8	—
WR-MW-11A	06/15/23	0.30 U	0.16 U	0.16 U	0.16 U	0.16 U	—	3.0 U	0.16 U	3.6	—
WR-MW-11A	11/28/23	0.30 U	0.16 U	0.16 U	0.16 U	0.16 U	—	3 U	0.16 U	3.3	—
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	—
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	—

Table B-1. Historical Groundwater Monitoring Results - Organics

Analyte		Bromoform	Chloromethane	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	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
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	—
WR-MW-12A	11/29/22	0.30 U	0.16 U	0.16 U	4.8	0.16 U	—	3.0 U	0.16 U	1.7	—
WR-MW-12A	06/15/23	0.30 U	0.16 U	0.16 U	7.8	0.16 U	—	3.0 U	0.16 U	1.9 J	—
WR-MW-12A	11/28/23	0.30 U	0.16 U	0.16 U	5.3	0.16 U	—	3 U	0.16 U	2.0	—

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	Result	Result	Result	Result	Result
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	—
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	—

Notes:

<= Not detected above indicated limit

µg/L= micrograms per liter

Concentrations exceeding the State MCL are displayed in **BOLD** and highlighted in orange

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-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	Result	Result	Result	Result	Result
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
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

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	Result	Result	Result	Result	Result
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-01	11/29/22	2.3	0.16 U	0.22 J	0.16 U	0.46 U
WR-MW-01	06/15/23	5.8	0.16 U	0.16 U	0.16 U	0.46 U
WR-MW-01	11/27/23	2.5	0.16 U	0.16 U	0.16 U	0.46 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	—
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	—

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	Result	Result	Result	Result	Result
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
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-01B	11/29/22	0.16 U	0.10 J	0.16 U	0.16 U	0.46 U
WR-MW-01B	11/27/23	0.16 U	0.16 U	0.16 U	0.16 U	0.46 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

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	Result	Result	Result	Result	Result
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
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

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	Result	Result	Result	Result	Result
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-02	11/29/22	0.29 J	0.16 U	0.16 U	0.16 U	0.46 U
WR-MW-02	06/15/23	0.16 U	0.16 U	0.16 U	0.16 U	0.46 U
WR-MW-02	11/28/23	0.18 J	0.16 U	0.16 U	0.16 U	0.46 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	—
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	—

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	Result	Result	Result	Result	Result
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
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-04A	11/29/22	1.2	0.16 U	0.16 U	0.16 U	0.46 U
WR-MW-04A	06/15/23	1.8	0.16 U	0.16 U	0.16 U	0.46 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	Result	Result	Result	Result	Result
WR-MW-04A	11/28/23	1.3	0.16 U	0.16 U	0.16 U	0.46 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	—
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

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	Result	Result	Result	Result	Result
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
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-05A	11/29/22	0.16 U	0.16 U	0.20 J	0.36 J	0.46 U
WR-MW-05A	06/15/23	0.16 U	0.16 U	0.16 J	0.52 J	0.46 U
WR-MW-05A	11/27/23	0.16 U	0.16 U	0.16 U	0.16 U	0.46 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	—

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	Result	Result	Result	Result	Result
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
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	—

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	Result	Result	Result	Result	Result
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
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

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	Result	Result	Result	Result	Result
WR-MW-08A	06/20/11	0.70	0.50 U	0.50 U	0.50 U	1 U
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-08A	11/29/22	0.16 U	0.16 U	0.16 U	0.16 U	0.46 U
WR-MW-08A	11/29/22	0.16 U	0.16 U	0.16 U	0.16 U	0.46 U
WR-MW-08A	06/15/23	0.16 U	0.16 U	0.16 U	0.16 U	0.46 U
WR-MW-08A	11/28/23	0.16 U	0.16 U	0.16 U	0.16 U	0.46 U
WR-MW-08A	11/28/23	0.16 U	0.16 U	0.16 U	0.16 U	0.46 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	—

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	Result	Result	Result	Result	Result
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	—
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
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

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	Result	Result	Result	Result	Result
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-09A	11/29/22	0.18 J	0.16 U	0.16 U	0.34 J	0.46 U
WR-MW-09A	06/15/23	0.17 J	0.16 U	0.16 U	0.21 J	0.46 U
WR-MW-09A	11/27/23	0.35 J	0.16 U	0.16 U	0.11 J	0.46 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
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

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	Result	Result	Result	Result	Result
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-10A	11/29/22	1.5	0.16 U	0.050 J	0.16 U	0.46 U
WR-MW-10A	06/15/23	1.2	0.16 U	0.060 J	0.16 U	0.46 U
WR-MW-10A	11/28/23	1.6	0.16 U	0.12 J	0.16 U	0.46 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
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

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	Result	Result	Result	Result	Result
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-11A	11/29/22	0.13 J	0.16 U	0.16 U	0.16 U	0.46 U
WR-MW-11A	06/15/23	0.080 J	0.16 U	0.16 U	0.16 U	0.46 U
WR-MW-11A	11/28/23	0.16 U	0.16 U	0.16 U	0.16 U	0.46 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
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

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	Result	Result	Result	Result	Result
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
WR-MW-12A	11/29/22	0.39 J	0.16 U	0.080 J	0.16 U	0.46 U
WR-MW-12A	06/15/23	0.53	0.16 U	0.070 J	0.16 U	0.46 U
WR-MW-12A	11/28/23	0.63	0.16 U	0.16 U	0.16 U	0.46 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	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
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
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

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	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
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
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

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	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
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 U
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
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

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	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
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 U
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 U	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
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

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	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
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
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:
 µg/L = micrograms per liter
 Concentrations exceeding the State MCL are displayed in **BOLD** and highlighted in orange
 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-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	Total Organic Carbon	Carbon dioxide	Ethane	Ethylene	Methane
Units:		µg/L	µg/L	µg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	ng/L	ng/L	µg/L
Well ID	Date	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
WR-IW-01	10/02/02	—	—	—	4 U	—	—	—	—	—	—	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 U	—	—	—	—	—	—	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	—	—	—	4 U	—	—	—	—	—	—	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	—	—	—	4 U	—	—	—	—	—	—	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	260	0	310	—	—	18	0.50 U	140	310	0.40 U	—	27	15	160	0.39
WR-MW-01	01/03/02	310	—	—	—	—	18	0.50 U	140	310	0.40 U	—	17	5.7	31	0.054
WR-MW-01	04/18/02	1800	1400	400	—	—	22	0.20 U	140	300	0.50 U	—	21	58	48	0.30
WR-MW-01	08/13/02	2100	1900	0	—	—	24	0.20 U	130	320	0.50 U	—	21	10	120	0.45
WR-MW-01	08/13/02	1900	—	—	—	—	24	0.20 U	130	310	0.50 U	—	22	14	140	0.51
WR-MW-01	11/14/02	1300	1300	0	2.1 J-	170	—	—	130	290	0.50 U	1.4	20	5 U	5 U	0.19
WR-MW-01	02/13/03	2200 J+	—	—	0.75	170	12	2.3	150	580	—	19	—	—	—	—
WR-MW-01	02/13/03	1900 J+	1900 J+	0	0.82	170	12	2.6	150	570	0.040 U	19	—	—	—	—
WR-MW-01	06/26/03	16000	—	—	22	210	3.3	2.0	90	1300	0.12 J-	680	—	—	—	—
WR-MW-01	06/26/03	14000	9200	4800	26	210	3.5	2.2	94	1200	0.19 J-	700	—	—	—	—
WR-MW-01	08/06/03	9700	6500	3200	14	180	2.6	0.50 U	50	1100	0.35	430	280	5 U	180	11000
WR-MW-01	11/11/03	5500	—	—	0.54	140	1.1	0.11	170	750	0.16	120	190	140	53	9900
WR-MW-01	11/11/03	5900	—	3500	0.55	140	1.1	0.11	170	760	0.16	120	190	160	98	10000

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	Total Organic Carbon	Carbon dioxide	Ethane	Ethylene	Methane
Units:		µg/L	µg/L	µg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	ng/L	ng/L	µg/L
Well ID	Date	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
WR-MW-01	02/10/04	3200	—	4800	0.41	120	2.8	0.80	200	620	0.080 J-	5.6	140	5 U	5 U	9500
WR-MW-01	05/25/04	8900	4900	4000	0.70	130	1.1	0.070	100	650	0.72	84	140	95	46	4000
WR-MW-01	09/02/04	5200	—	—	0.64	120	1.4	0.13	160	620	0.050 J-	11	130	32	55	6400
WR-MW-01	12/08/04	4300	300	4000	0.37	100	2.4	0.72	180	510	0.040 U	2.9	160	72	67	7100
WR-MW-01	03/01/05	3700	100	3800	0.35	95	3.1	0.31	150	550	0.080	3.0	130	5 U	17	6900
WR-MW-01	03/01/05	3700	—	—	0.34	95	2.8	0.26	150	550	—	3.0	180	5 U	5 U	8600
WR-MW-01	06/07/05	49000	—	—	2 U	380	0.50 U	0.77	34	2400	0.040 U	—	340	43	30	8200
WR-MW-01	06/07/05	49000	—	—	2 U	380	0.50 U	0.73	34	2300	0.040 U	—	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	24000	18500	5500	4.5	180	0.050 U	0.050 U	25	1400	0.040 U	230	430	54	17 J	9800
WR-MW-01	12/06/05	32000	28800	3200	20	300	0.050 U	0.050 U	0.50 U	2000	0.040 U	560	410	38	82	6500
WR-MW-01	03/14/06	25000	21200	3800	21	360	0.10 U	0.10 U	3.2	2300	0.040 U	710	450	34	40	5000
WR-MW-01	06/26/06	21000	16400	4600	5.5	270	0.050 UJ	0.050 UJ	7.7	1800	0.040 U	340	380	49	42	9100
WR-MW-01	06/26/06	21000	—	—	5.7	280	0.050 UJ	0.050 UJ	6.3	1900	0.040 U	330	440	53	51	1000
WR-MW-01	06/29/06	—	—	—	—	—	—	—	—	—	—	6800	—	—	—	—
WR-MW-01	09/26/06	21000	—	—	—	250	0.050 U	0.050 U	12	1700	0.040 U	240	310	25 J	62	6700
WR-MW-01	09/26/06	19000	—	—	—	240	0.050 U	0.050 U	14	1700	0.33	240	240	8 J	32	3200
WR-MW-01	12/13/06	18000	—	—	1.1	140	0.050 U	0.050 U	22	1500	0.040 U	100	420	25 U	710	8500
WR-MW-01	03/27/07	28000	27600	400	—	210	0.050 U	0.050 U	3.1	1700	0.61	160	640	52	110	9700
WR-MW-01	06/12/07	26000	22400	3600	0.20 U	210	0.050 U	0.050 U	21	1600	0.30 U	140	410	180	150	6900
WR-MW-01	06/12/07	29000	27600	—	0.20 U	230	0.050 U	0.050 U	13	1700	—	140	400	260	590	7400
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	130	290	35	25 U	5300
WR-MW-01	09/26/07	17000	—	—	—	160	0.050 U	0.050 U	30 J	1400	0.36	96	240	45	25 U	4300
WR-MW-01	12/13/07	17000	16996	3.2	1 U	150	0.25 U	—	49	1100	0.37	31	310	29	25 U	6600
WR-MW-01	12/13/07	15000	—	—	1 U	160	0.25 U	—	6.5	1300	0.41	32	330	4 J	25 J	5300
WR-MW-01	03/27/08	—	—	—	1 U	120	0.25	0.050 U	68	890	0.63	64	300	38	64	11000
WR-MW-01	03/27/08	12000	4700	7300	—	120	0.090	0.050 U	51	930	0.39	24	280	38	74	9400
WR-MW-01	10/08/08	14000	—	10	—	130	0.10	0.050 U	76	720	0.060	11	270	29	140	12000
WR-MW-01	10/08/08	15000	—	—	—	130	0.050 U	0.050 U	79	730	0.10	11	240	41	270	9900
WR-MW-01	04/09/09	11000	8000	3000	—	150	0.070	0.050 U	77	800	0.27	20	240	37	75	9700
WR-MW-01	04/09/09	11000	—	—	—	150	0.080	0.050 U	77	800	0.080	19	240	40	68	11000
WR-MW-01	06/24/10	11000	2000	9000	—	150	0.050 U	0.050 U	100	620	0.080	5.0	230	25 U	74	9200
WR-MW-01	06/24/10	11000	2000	9000	—	150	0.050 U	0.050 U	100	620	0.080	4.9	210	25 U	81	10000

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	Total Organic Carbon	Carbon dioxide	Ethane	Ethylene	Methane
Units:		µg/L	µg/L	µg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	ng/L	ng/L	µg/L
Well ID	Date	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
WR-MW-01	01/26/11	12000	12000	0	—	—	—	—	110	—	0.12	4.3	120	—	—	5300
WR-MW-01	01/26/11	12000	12000	—	—	—	—	—	110	—	0.14	4.3	140	—	—	6300
WR-MW-01	06/20/11	11000	9400	1600	—	—	—	—	100	—	0.040 U	4.9	140	—	—	6200
WR-MW-01	06/20/11	11000	9400	1600	—	—	—	—	100	—	0.040 U	4.8	140	—	—	6800
WR-MW-01	01/11/12	11000	7000	4000	—	—	—	—	100	—	0.040 U	3.4	150	—	—	3200
WR-MW-01	01/11/12	11000	7000	4000	—	—	—	—	110	—	0.040 U	3.3	160	—	—	3500
WR-MW-01	06/26/12	9500	6300	3200	—	—	—	—	110	—	0.040 U	2.6	140	—	—	2200
WR-MW-01	06/26/12	9500	6300	3200	—	—	—	—	110	—	0.040 U	2.5	160	—	—	2300
WR-MW-01	01/04/13	10000	7000	3000	—	—	—	—	120	—	0.060	3.5	100	—	—	1200
WR-MW-01	01/04/13	9600	6600	3000	—	—	—	—	120	—	0.070	2.8	96	—	—	1400
WR-MW-01	06/25/13	11000	8300	2700	—	—	—	—	110	—	0.12	3.0	150	—	—	1500
WR-MW-01	06/25/13	9700	7000	2700	—	—	—	—	120	—	0.10	3.0	150	—	—	1600
WR-MW-01	12/03/13	12000	7600	4400	—	—	—	—	110	—	0.16	3.3	120	—	—	1400
WR-MW-01	12/03/13	13000	8600	4400	—	—	—	—	110	—	0.18	3.3	130	—	—	1800
WR-MW-01	06/30/14	7900	4300	3600	—	—	—	—	120	—	0.040 U	2.7	110	—	—	1300
WR-MW-01	06/30/14	7700	4100	3600	—	—	—	—	120	—	0.040 U	2.5	130	—	—	1800
WR-MW-01	11/05/14	4500	1300	3200	—	—	—	—	120	—	0.040 U	1.7	77	—	—	1700
WR-MW-01	11/05/14	6800	3600	3200	—	—	—	—	120	—	0.040 U	2.0	75	—	—	2100
WR-MW-01B	10/03/02	—	—	—	10 U	2600	6.4 J-	24 U	150	170	0.50 U	0.8 U	26	46	56	0.92
WR-MW-01B	10/03/02	—	—	—	10 U	2600	6.3	24 UJ	150	170	0.50 U	0.8 U	26	51	59	1.1
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	—	14	16	57	0.80
WR-MW-02	04/18/02	2000	2000	0	—	—	11	0.20 U	140	220	0.50 U	—	18	27	22	0.99
WR-MW-02	04/18/02	2100	—	—	—	—	11	0.20 U	140	220	0.50 U	—	17	260	210	2.8
WR-MW-02	08/13/02	520	520	0	—	—	13	0.20 U	150	210	0.50 U	—	17	14	150	0.52
WR-MW-02	04/09/09	7000	—	0	—	—	—	—	—	—	0.040 U	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	710	—	—	—	79	1.5	0.050 U	83	760	0.050	2.3	150	25 U	32	240
WR-MW-02	01/27/11	530	530	0	—	—	—	—	83	—	0.040 U	2.3	140	—	—	110
WR-MW-02	06/20/11	130	130	0	—	—	—	—	74	—	0.040 U	2.2	140	—	—	370
WR-MW-02	01/11/12	480	480	0	—	—	—	—	75	—	0.040 U	2.1	150	—	—	180
WR-MW-02	06/27/12	610	610	0	—	—	—	—	78	—	0.040 U	1.9	130	—	—	150
WR-MW-02	01/04/13	520	520	0	—	—	—	—	94	—	0.10	2.0	86	—	—	14
WR-MW-02	06/26/13	1200	1200	0	—	—	—	—	98	—	0.28	3.0	100	—	—	63

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	Total Organic Carbon	Carbon dioxide	Ethane	Ethylene	Methane
Units:		µg/L	µg/L	µg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	ng/L	ng/L	µg/L
Well ID	Date	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
WR-MW-02	12/04/13	1500	1500	0	—	—	—	—	120	—	0.040	1.9	47	—	—	0.23
WR-MW-02	07/01/14	280	280	0	—	—	—	—	140	—	0.040 U	1.4	46	—	—	4.3
WR-MW-02	11/04/14	140	140	0	—	—	—	—	140	—	0.040 U	1.1	45	—	—	13
WR-MW-03	07/27/01	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
WR-MW-03	01/03/02	15000	15000	0	—	—	11	0.50 U	150	300	4.4	—	13	25	210	0.53
WR-MW-03	04/18/02	300 U	—	—	—	—	12	0.20 U	140	300	0.50 U	—	—	5 U	5 U	0.28
WR-MW-03	08/13/02	500	500	0	—	—	13	0.20 U	140	310	0.50 U	—	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	100 U	—	—	0.70	180	15	0.050 U	150	320	0.040 U	1 U	—	—	—	—
WR-MW-05A	06/26/03	1000	1000	0	0.66	180	16	0.050 U	150	380	0.040 R	1.5	—	—	—	—
WR-MW-05A	08/06/03	630	630	0	0.57	180	15	0.050 U	140	320	0.040 U	1.3	—	—	—	—
WR-MW-05A	08/06/03	640	—	—	0.57	180	15	0.050 U	140	330	0.040 U	1.3	—	—	—	—
WR-MW-05A	11/11/03	550	550	0	0.52	160	16	0.050 U	160	350	0.040 U	1.2	—	—	—	—
WR-MW-05A	02/10/04	—	—	—	0.81	—	—	—	—	—	—	1.2	200	100	5 U	15000
WR-MW-05A	02/10/04	—	—	—	0.81	—	—	—	—	—	—	1.1	—	—	—	—
WR-MW-05A	05/25/04	—	—	—	0.86	—	—	—	—	—	—	1.2	—	—	—	—
WR-MW-05A	05/25/04	—	—	—	0.74	—	—	—	—	—	—	1.3	—	—	—	—
WR-MW-05A	09/02/04	420	—	—	0.65	120	7.3	0.44	140	940	0.040 R	3.9	250	130	24	840
WR-MW-05A	12/08/04	100 U	—	—	1.5	120	4.8	1.0	83	760	0.040 U	2.3	170	49	90	3900
WR-MW-05A	03/01/05	100 U	—	0	1.8	92	3.1	0.19	70	750	0.040 U	3.1	130	5 U	44	6400
WR-MW-05A	06/07/05	100 U	100 U	0	0.31	60	5.1	0.050 U	71	470	0.040 U	—	100	18 J	25 U	7800
WR-MW-05A	06/09/05	—	—	—	—	—	—	—	—	—	—	2.3	—	—	—	—
WR-MW-05A	09/14/05	780	—	1000	0.24	67	0.31	0.18	49	510	0.17	11	97	29	80	7200
WR-MW-05A	09/14/05	810	—	—	0.23	68	0.28	0.16	50	490	0.20	11	95	30	96	7400
WR-MW-05A	12/06/05	1700	—	3000	0.26	73	0.10	0.050 U	63	940	0.040 U	7.2	510	41	120	4200
WR-MW-05A	03/14/06	8300	—	3600	0.67	100	0.050 U	0.050 U	32	2300	0.040 U	53	490	33	90	4100
WR-MW-05A	03/14/06	8700	—	—	0.66	100	0.050 U	0.050 U	34	1000	0.060	53	480	17 J	81	3700
WR-MW-05A	06/26/06	9800	4800	5000	0.84	120	0.050 UJ	0.050 UJ	7.9	1200	0.45	70	410	54	66	8400
WR-MW-05A	09/26/06	20000	—	—	—	230	0.050 U	0.12	0.50 U	1500	0.040 U	190	—	—	—	—
WR-MW-05A	12/13/06	17000	—	—	1.1	320	0.050 U	0.050 U	0.050 U	1600	0.040 U	170	420	25 U	200	7300
WR-MW-05A	03/27/07	22000	19000	3000	—	370	0.050 U	0.050 U	1.2	1600	0.040 U	310	330	160	150	3200
WR-MW-05A	03/27/07	20000	—	—	—	380	0.050 U	0.050 U	2.1	1600	0.040 U	310	320	170	170	3500
WR-MW-05A	06/12/07	24000	20000	4000	1.5	400	0.050 U	0.050 U	4.1	1700	0.30 U	340	460	300	170	8500
WR-MW-05A	09/26/07	26000	—	—	—	540	0.050 U	0.050 U	0.50 U	1600	0.34	350	320	210	39	1900

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	Total Organic Carbon	Carbon dioxide	Ethane	Ethylene	Methane
Units:		µg/L	µg/L	µg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	ng/L	ng/L	µg/L
Well ID	Date	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
WR-MW-05A	12/12/07	33000	32997	3	1.6	660	0.025 U	—	2.5 U	1700	0.64	390	450	160	130	5400
WR-MW-05A	03/27/08	24000	4000	20000	—	390	0.10 U	0.10 U	2.9	1600	0.36	330	390	420	150	7200
WR-MW-05A	10/08/08	23000	—	10 U	—	200	0.050 U	0.050 U	18	1700	0.15	140	470	210	0.33	6600
WR-MW-05A	04/09/09	4000	4000	0	—	430	8.3	0.050 U	100	240	0.040 U	1.1	17	50	21 J	78
WR-MW-05A	06/23/10	21000	—	—	—	160	0.050 U	0.050 U	2.1	1500	0.040 U	58	460	140	300	8100
WR-MW-05A	01/26/11	23000	20400	2600	—	—	—	—	2.6	—	0.090	62	250	—	—	1400
WR-MW-05A	06/20/11	16000	12600	3400	—	—	—	—	39	—	0.080	36	250	—	—	10000
WR-MW-05A	01/10/12	12000	6600	5400	—	—	—	—	44	—	0.040 U	32	180	—	—	9400
WR-MW-05A	06/26/12	8900	5300	3600	—	—	—	—	23	—	0.040 U	24	110	—	—	7700
WR-MW-05A	01/03/13	6900	3700	3200	—	—	—	—	34	—	0.19	19	88	—	—	5700
WR-MW-05A	06/25/13	9100	5900	3200	—	—	—	—	57	—	0.23	15	85	—	—	5000
WR-MW-05A	12/03/13	7500	4600	2900	—	—	—	—	53	—	0.13	14	100	—	—	4900
WR-MW-05A	06/30/14	9500	7100	2400	—	—	—	—	68	—	0.040 U	14	140	—	—	2900
WR-MW-05A	11/04/14	12000	8500	3500	—	—	—	—	60	—	0.040 U	16	200	—	—	5200
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	0.8 U	14	11	28	0.46
WR-MW-07A	02/12/03	490 J+	490 J+	0	0.66	210	9.5	0.050 U	79	220	0.040 U	1 U	—	—	—	—
WR-MW-07A	05/28/03	1400	1400	0	0.69	220	9.4	0.050 U	70	230	0.12 J-	0.60	—	—	—	—
WR-MW-07A	08/06/03	33000	33000	0	0.56	200	8.5	0.050 U	68	210	0.040 U	0.92	—	—	—	—
WR-MW-07A	11/11/03	2700	2700	0	0.64	210	8.8	0.050 U	74	220	0.040 U	1.0	—	—	—	—
WR-MW-07A	02/10/04	—	—	—	0.64	—	—	—	—	—	—	0.84	—	—	—	—
WR-MW-07A	05/24/04	—	—	—	0.65	—	—	—	—	—	—	0.79	—	—	—	—
WR-MW-07A	09/03/04	—	—	—	0.69	—	—	—	—	—	—	0.85	—	—	—	—
WR-MW-07A	12/07/04	—	—	—	0.70	—	—	—	—	—	—	0.96	—	—	—	—
WR-MW-07A	03/02/05	—	—	—	0.71	—	—	—	—	—	—	0.88	—	—	—	—
WR-MW-07A	06/07/05	—	—	—	0.69	—	—	—	—	—	—	—	—	—	—	—
WR-MW-07A	06/09/05	—	—	—	—	—	—	—	—	—	—	2.9	—	—	—	—
WR-MW-07A	09/14/05	—	—	—	0.70	—	—	—	—	—	—	0.88	—	—	—	—
WR-MW-07A	12/08/05	—	—	—	0.56	—	—	—	—	—	—	0.82	—	—	—	—
WR-MW-07A	03/14/06	—	—	—	0.46	—	—	—	—	—	—	—	—	—	—	—
WR-MW-07A	06/27/06	—	—	—	0.40	—	—	—	—	—	—	0.66	—	—	—	—
WR-MW-07A	12/13/06	—	—	—	0.41	—	—	—	—	—	—	0.92	—	—	—	—

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	Total Organic Carbon	Carbon dioxide	Ethane	Ethylene	Methane
Units:		µg/L	µg/L	µg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	ng/L	ng/L	µg/L
Well ID	Date	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
WR-MW-07A	06/12/07	—	—	—	—	—	—	—	—	—	—	0.75	—	—	—	—
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	2.0	77	6 J	46	850
WR-MW-08A	06/24/10	120	120	0	—	96	5.1	0.050 U	97	650	0.040 U	1.7	94	25 U	27	890
WR-MW-08A	01/27/11	180	180	0	—	—	—	—	98	—	0.040 U	2.1	75	—	—	210
WR-MW-08A	06/20/11	100 U	100 U	0	—	—	—	—	90	—	0.040 U	2.0	100	—	—	200
WR-MW-08A	01/11/12	370	370	0	—	—	—	—	97	—	0.040 U	2.0	93	—	—	44
WR-MW-08A	06/26/12	100 U	100 U	0	—	—	—	—	100	—	0.040 U	1.6	77	—	—	11
WR-MW-08A	01/03/13	160	160	0	—	—	—	—	130	—	0.040 U	1.7	73	—	—	76
WR-MW-08A	06/25/13	550	550	0	—	—	—	—	120	—	0.29	2.2	65	—	—	20
WR-MW-08A	12/03/13	270	270	0	—	—	—	—	160	—	0.040 U	1.4	26	—	—	0.19
WR-MW-08A	06/30/14	100 U	—	700	—	—	—	—	160	—	0.040 U	1.1	26	—	—	0.60
WR-MW-08A	11/05/14	1300	1300	0	—	—	—	—	150	—	0.040 U	1.1	27	—	—	0.068
WR-MW-09A	10/03/02	—	—	—	4 U	190	20	3 U	150	310	0.50 U	1.0	12	28	34	0.57
WR-MW-09A	02/12/03	510 J+	510 J+	0	0.84	160	21	0.050 U	150	320	0.040 U	1 U	—	—	—	—
WR-MW-09A	06/26/03	1500	—	—	0.76	160	22	0.050 U	160	340	0.040 R	3.6	—	—	—	—
WR-MW-09A	08/06/03	1000	—	—	0.64	140	21	0.050 U	150	370	0.040 U	1.6	—	—	—	—
WR-MW-09A	11/11/03	870	870	—	0.66	140	21	0.070	160	420	0.040 U	1.8	—	—	—	—
WR-MW-09A	02/10/04	—	—	—	0.57	—	—	—	—	—	—	1.2	—	—	—	—
WR-MW-09A	05/25/04	—	—	—	0.57	—	—	—	—	—	—	1.2	—	—	—	—
WR-MW-09A	09/02/04	320	—	—	0.61	110	12	2.2	130	520	0.040 R	2.0	80	74	63	1800
WR-MW-09A	12/08/04	100 U	100 U	—	0.61	110	9.8	2.4	140	780	0.040 U	1.4	150	7.6	38	1700
WR-MW-09A	12/08/04	270	—	—	0.62	130	12	2.2	130	520	0.040 U	1.4	130	11	37	1200
WR-MW-09A	03/01/05	100 U	—	—	1.1	110	9.6	0.94	140	760	0.060	1.9	170	5 U	29	3100
WR-MW-09A	06/07/05	100 U	100 U	0	0.98	94	11	0.71	130	610	0.040 U	—	120	50	15 J	4000
WR-MW-09A	06/09/05	—	—	—	—	—	—	—	—	—	—	2.0	—	—	—	—
WR-MW-09A	09/14/05	250	—	500	1.3	120	8.1	1.4	130	920	0.040 U	4.2	290	4 J	17 J	4100
WR-MW-09A	12/06/05	270	—	—	0.73	130	4.9	2.4	140	1100	0.040 U	2.1	460	13 J	15 J	4200
WR-MW-09A	12/06/05	270	—	—	0.73	130	4.9	2.5	140	1200	0.040 U	2.0	490	15 J	16 J	5200
WR-MW-09A	03/14/06	1200	200	1000	0.71	130	4.1	1.8	140	1100	0.040 U	1.5	500	32	22 J	5600
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	200	440	26	40	8800
WR-MW-09A	06/29/06	—	—	—	—	—	—	—	—	—	—	190	—	—	—	—
WR-MW-09A	09/26/06	7900	—	—	—	150	0.050 U	0.050 U	31	1400	0.77	69	300	11 J	32	8300
WR-MW-09A	12/13/06	6400	—	—	0.82	140	0.050 U	0.050 U	63	1300	1.2	14	390	25 U	73	7900

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	Total Organic Carbon	Carbon dioxide	Ethane	Ethylene	Methane
Units:		µg/L	µg/L	µg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	ng/L	ng/L	µg/L
Well ID	Date	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
WR-MW-09A	03/27/07	10000	5800	4200	—	160	0.050 U	0.050 U	96	1300	0.090	10	420	38	62	8700
WR-MW-09A	07/12/07	13000	9500	3500	1.5	180	0.050 U	0.050 U	130	1400	0.15	7.4	420	25 J	88	8900
WR-MW-09A	09/26/07	13000	—	—	—	190	0.050 U	0.050 U	110	1400	0.23	11	460	25 J	25 U	5500
WR-MW-09A	12/12/07	12000	8000	4000	1.1	200	0.050 U	—	130	1300	0.16	11	460	25 U	29	7800
WR-MW-09A	03/27/08	13000	5900	7100	—	210	0.050 U	0.050 U	130	1300	0.080	10	420	42	76	9000
WR-MW-09A	10/08/08	9000	2000	7000	—	180	0.050 U	0.050 U	130	1300	0.040 U	8.7	490	39	120	7900
WR-MW-09A	04/09/09	12000	9000	3000	—	190	0.14	0.050 U	140	1400	0.040 U	6.1	290	17 J	42	3300
WR-MW-09A	06/24/10	890	—	9000	—	230	0.050 U	0.050 U	110	1500	0.040 U	38	440	25 U	80	2000
WR-MW-09A	01/26/11	11000	11000	0	—	—	—	—	74	—	0.040 U	49	420	—	—	3000
WR-MW-09A	06/20/11	10000	8000	2000	—	—	—	—	59	—	0.050	63	350	—	—	1400
WR-MW-09A	01/10/12	11000	6600	4400	—	—	—	—	33	—	0.040 U	47	270	—	—	1200
WR-MW-09A	06/26/12	9900	5900	4000	—	—	—	—	43	—	0.040 U	61	320	—	—	2400
WR-MW-09A	01/03/13	10000	6200	3800	—	—	—	—	47	—	0.19	57	270	—	—	2300
WR-MW-09A	01/13/13	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
WR-MW-09A	06/25/13	11000	9200	1800	—	—	—	—	68	—	0.14	50	340	—	—	2900
WR-MW-09A	12/03/13	12000	6600	5400	—	—	—	—	76	—	0.070	51	310	—	—	2700
WR-MW-09A	06/30/14	8400	6100	2300	—	—	—	—	23	—	0.040	53	290	—	—	5800
WR-MW-09A	11/04/14	9300	5600	3700	—	—	—	—	31	—	0.040 U	42	180	—	—	1600
WR-MW-10A	12/06/05	2300	2300	0	0.84	170	13	0.18	150	490	0.040 U	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	1100	—	—	—	180	11	0.050 U	150	560	—	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	1500	—	2000	—	180	0.070	0.050 U	92	920	0.040 U	6.7	250	14 J	50	2300
WR-MW-10A	09/28/09	—	—	—	—	—	—	—	—	—	—	5.4	310	11 J	54	1200
WR-MW-10A	06/24/10	1200	—	—	—	240	0.050 U	0.050 U	99	1100	0.040 U	2.3	270	25 U	30	420
WR-MW-10A	01/27/11	2700	1700	1000	—	—	—	—	93	—	0.040 U	2.9	250	—	—	92
WR-MW-10A	06/21/11	1500	500	1000	—	—	—	—	86	—	0.090	2.8	210	—	—	190
WR-MW-10A	01/11/12	15000	14000	1000	—	—	—	—	94	—	0.040 U	1.7	200	—	—	320
WR-MW-10A	06/27/12	2300	1400	900	—	—	—	—	98	—	0.040 U	1.3	140	—	—	260
WR-MW-10A	01/04/13	2800	1800	1000	—	—	—	—	180	—	0.040 U	1.6	110	—	—	200
WR-MW-10A	06/26/13	1800	1800	0	—	—	—	—	100	—	0.29	2.0	120	—	—	170

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

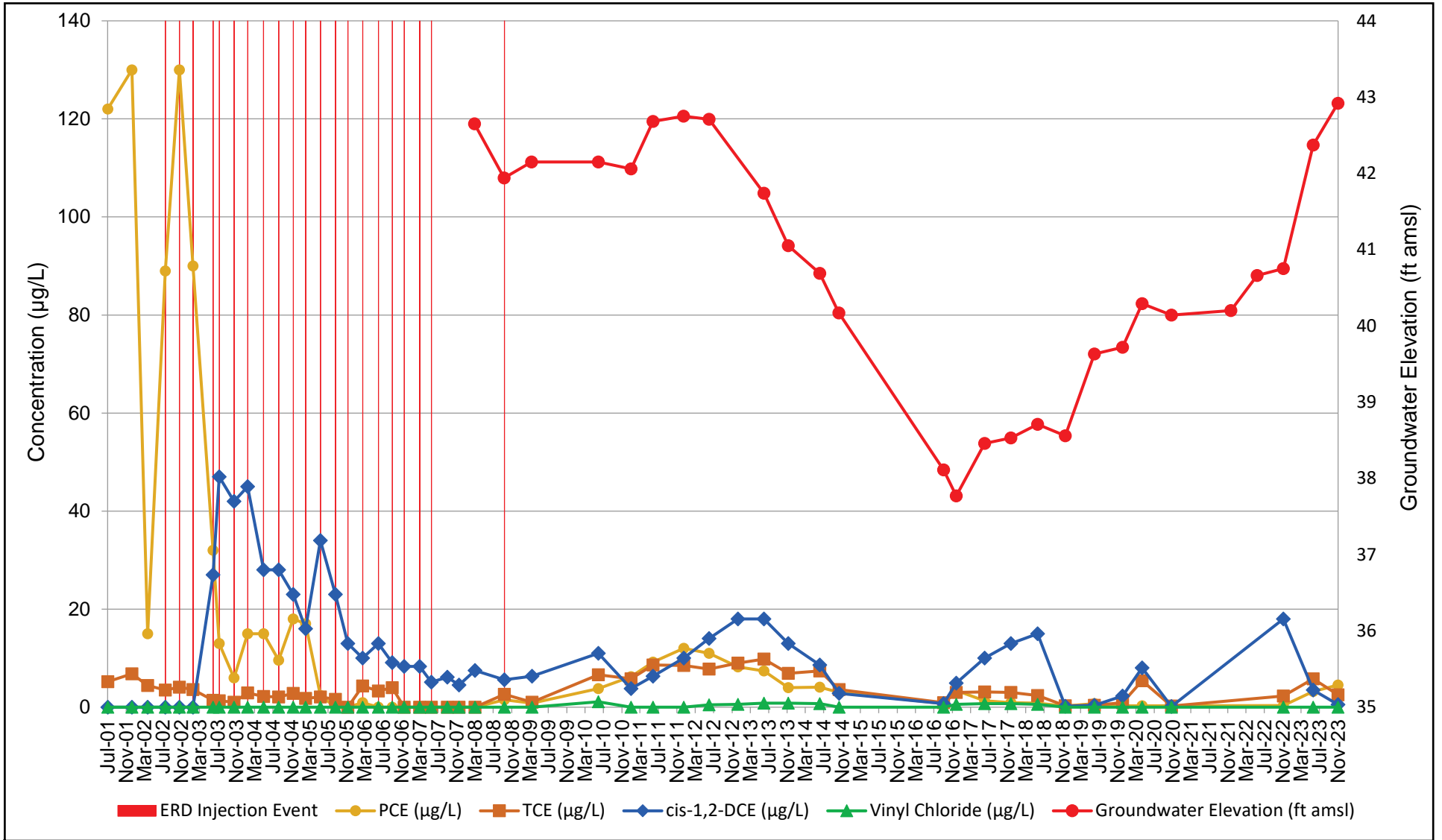
Analyte:		Iron	Ferric Iron (Fe3+)	Ferrous Iron (Fe2+)	Bromide	Chloride (as Cl)	Nitrate as N	Nitrite as N	Sulfate	Alkalinity, total (as CaCO3)	Sulfide	Total Organic Carbon	Carbon dioxide	Ethane	Ethylene	Methane
Units:		µg/L	µg/L	µg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	ng/L	ng/L	µg/L
Well ID	Date	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
WR-MW-10A	12/04/13	1100	900	200	—	—	—	—	95	—	0.040	1.8	68	—	—	190
WR-MW-10A	07/01/14	260	110	150	—	—	—	—	93	—	0.040 U	1.5	70	—	—	210
WR-MW-10A	11/05/14	3700	3700	0	—	—	—	—	76	—	0.040 U	2.2	74	—	—	320
WR-MW-11A	04/08/09	490	490	0	—	220	4.8	0.050 U	110	850	0.040 U	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	100 U	100 U	0	—	180	6.8	0.050 U	130	740	0.16	4.1	160	25 U	25 U	0.59
WR-MW-11A	01/27/11	100 U	100 U	0	—	—	—	—	130	—	0.040 U	1.5	130	—	—	320
WR-MW-11A	06/21/11	100 U	100 U	0	—	—	—	—	110	—	0.040 U	1.4	110	—	—	310
WR-MW-11A	01/11/12	100 U	100 U	0	—	—	—	—	110	—	0.040 U	1.3	120	—	—	380
WR-MW-11A	06/26/12	100 U	100 U	0	—	—	—	—	120	—	0.040 U	1.1	130	—	—	380
WR-MW-11A	01/03/13	100 U	100 U	0	—	—	—	—	130	—	0.040 U	1.6	94	—	—	160
WR-MW-11A	06/25/13	100 U	100 U	0	—	—	—	—	120	—	0.050	2.0	110	—	—	270
WR-MW-11A	12/03/13	100 U	100 U	0	—	—	—	—	110	—	0.040 U	2.0	87	—	—	85
WR-MW-11A	07/01/14	100 U	100 U	0	—	—	—	—	110	—	0.040 U	1.4	110	—	—	120
WR-MW-11A	11/05/14	100 U	100 U	0	—	—	—	—	110	—	0.040 U	1.1	100	—	—	91
WR-MW-12A	12/06/05	1400	1400	0	0.55	140	13	0.050 U	160	360	0.040 U	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	120	—	—	—	130	6.3	0.25	140	680	0.040 U	1.4	260	0.25 U	29	8600
WR-MW-12A	12/13/06	150	—	—	—	140	5.0	0.31	150	730	0.040 U	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	1800	—	—	—	180	0.11	0.050 U	130	1200	0.040 U	3.0	420	37	43	6100
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	2400	—	4000	—	150	0.050 U	0.050 U	94	980	0.040 U	4.7	420	25 U	67	1500
WR-MW-12A	01/27/11	2400	—	3000	—	—	—	—	110	—	0.040 U	6.3	330	—	—	1200
WR-MW-12A	06/21/11	2000	0	2000	—	—	—	—	3.1	—	0.040 U	6.7	230	—	—	130
WR-MW-12A	01/11/12	2000	0	2000	—	—	—	—	92	—	0.040 U	4.1	280	—	—	460
WR-MW-12A	06/27/12	1700	—	1900	—	—	—	—	100	—	0.040 U	2.9	170	—	—	210
WR-MW-12A	01/04/13	1800	0	1800	—	—	—	—	120	—	0.10	2.9	130	—	—	140

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	Total Organic Carbon	Carbon dioxide	Ethane	Ethylene	Methane
Units:		µg/L	µg/L	µg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	ng/L	ng/L	µg/L
Well ID	Date	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
WR-MW-12A	06/26/13	1100	1100	0	—	—	—	—	130	—	0.090	2.8	120	—	—	84
WR-MW-12A	12/04/13	1000	0	1000	—	—	—	—	120	—	0.040 U	3.1	130	—	—	160
WR-MW-12A	07/01/14	1000	50	950	—	—	—	—	110	—	0.040 U	2.9	120	—	—	98
WR-MW-12A	11/05/14	840	440	400	—	—	—	—	110	—	0.040 U	2.7	120	—	—	240

Notes:
 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

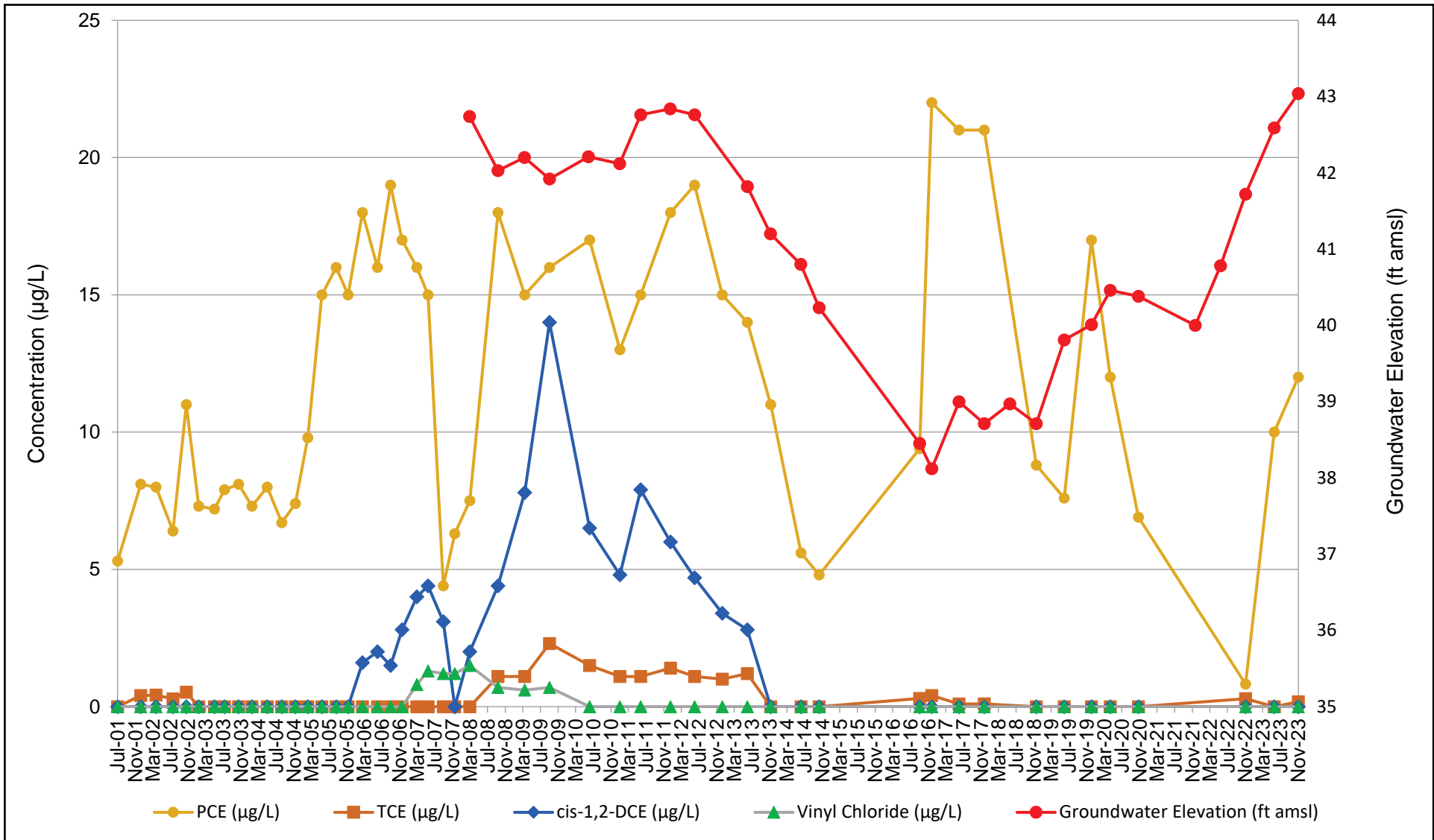


2023 Second Semiannual
Groundwater Monitoring Report, Washrack Site
Former United States Disciplinary Barracks
Lompoc, California

Time-Series Plots
WR-MW-01

FIGURE

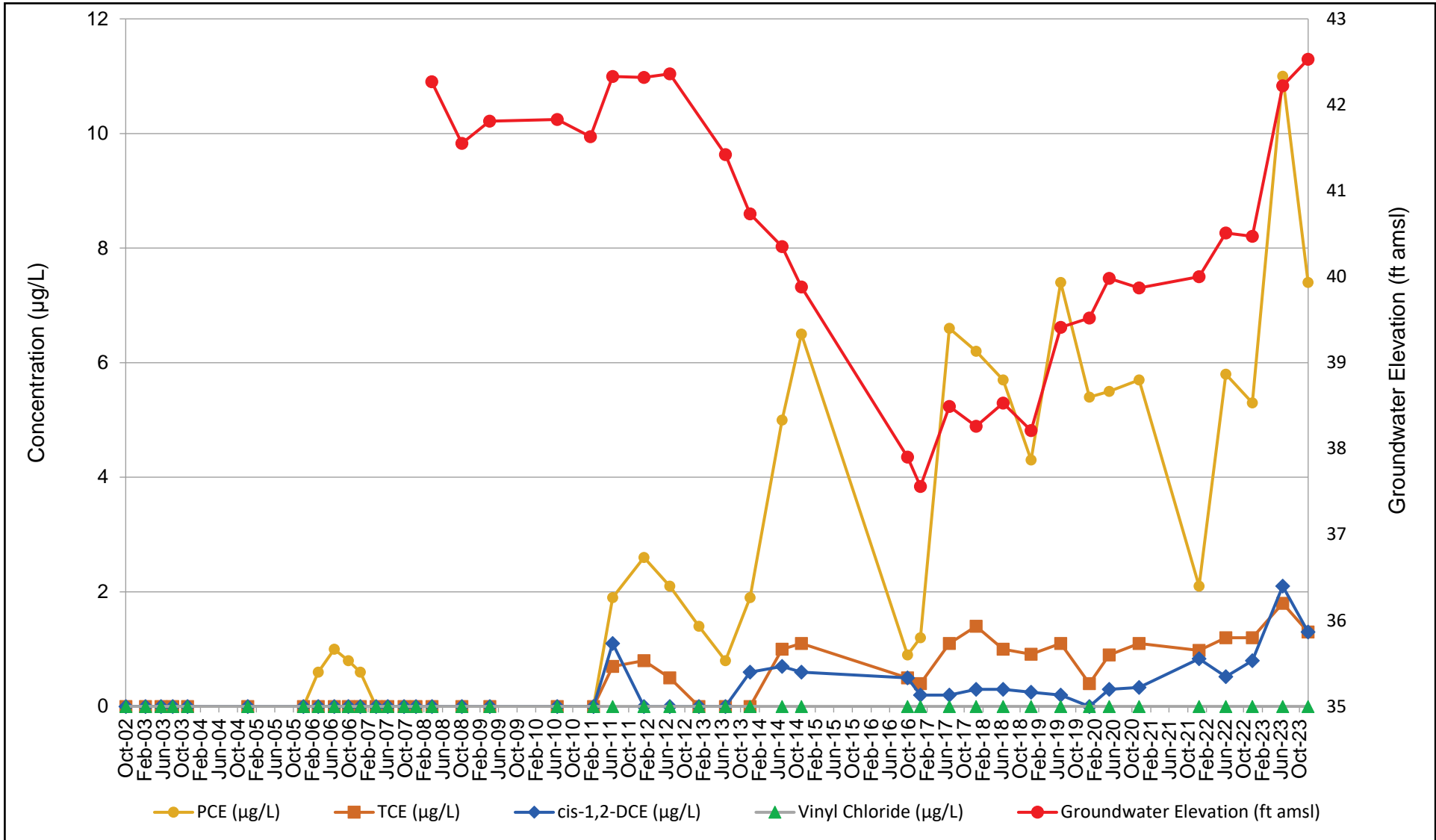
C-1



2023 Second Semiannual
 Groundwater Monitoring Report, Washrack Site
 Former United States Disciplinary Barracks
 Lompoc, California

Time-Series Plots
WR-MW-02

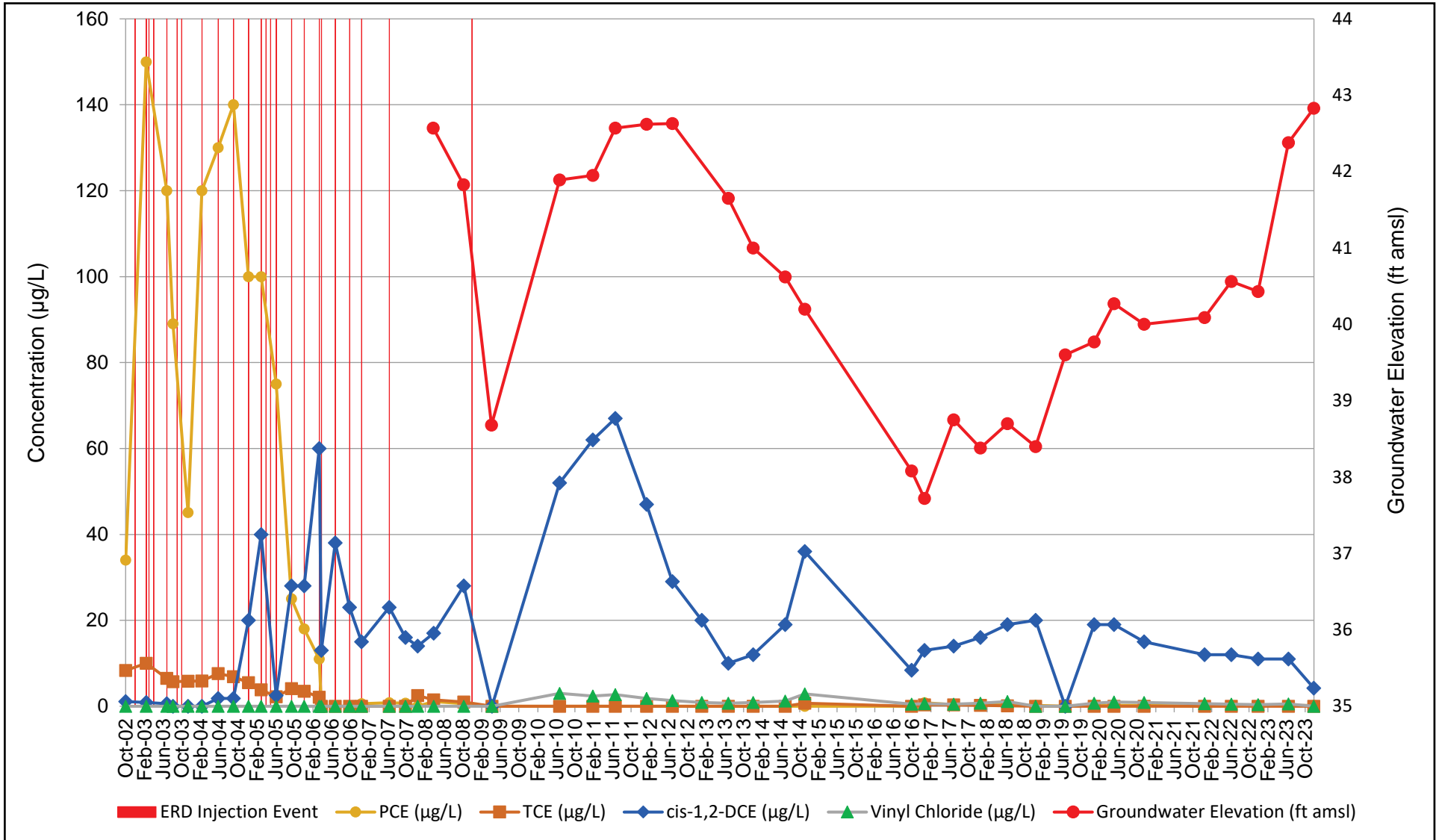
FIGURE
C-2



2023 Second Semiannual
Groundwater Monitoring Report, Washrack Site
Former United States Disciplinary Barracks
Lompoc, California

**Time-Series Plots
WR-MW-04A**

FIGURE
C-3

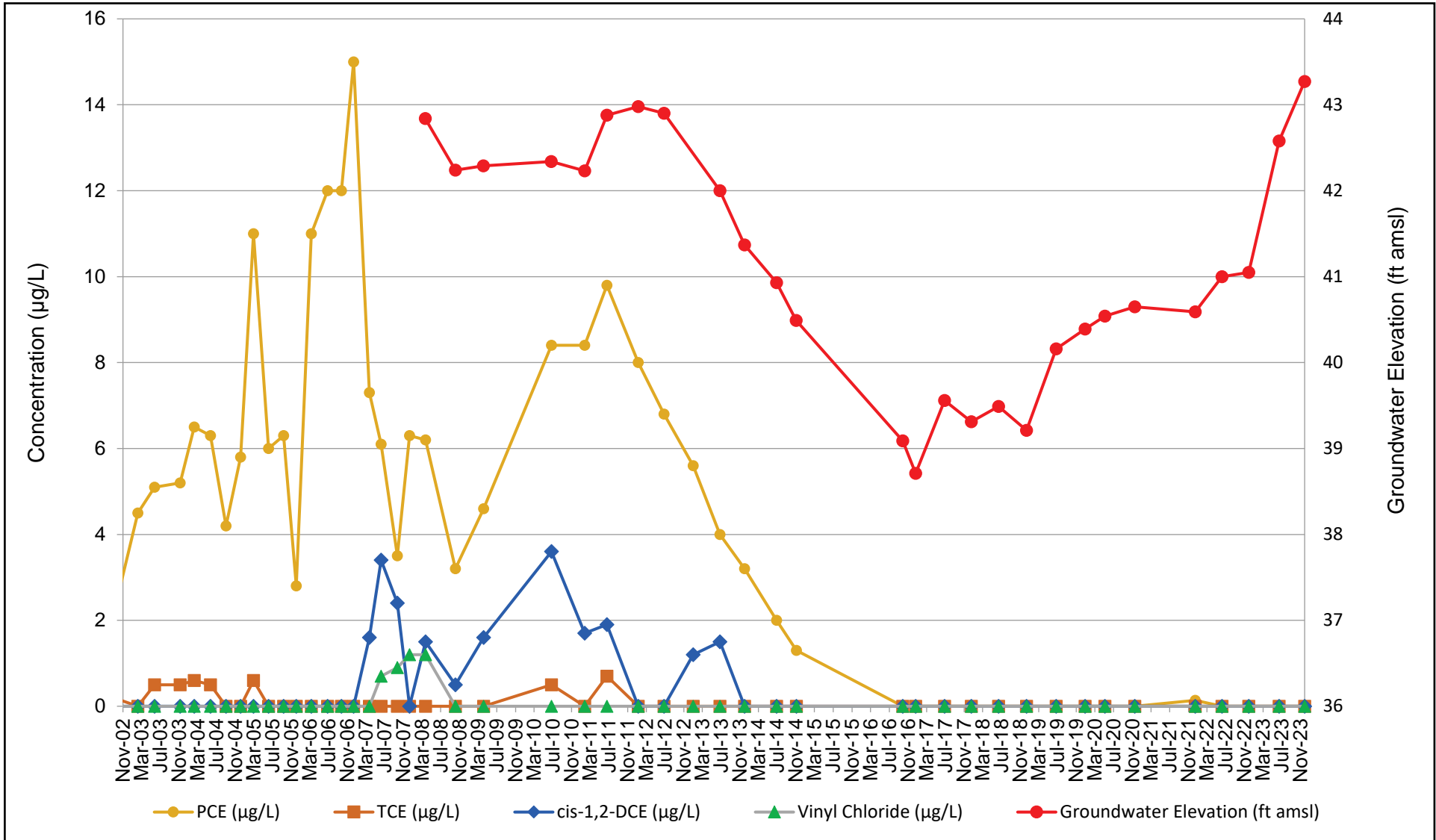


2023 Second Semiannual
Groundwater Monitoring Report, Washrack Site
Former United States Disciplinary Barracks
Lompoc, California

Time-Series Plots
WR-MW-05A

FIGURE

C-4

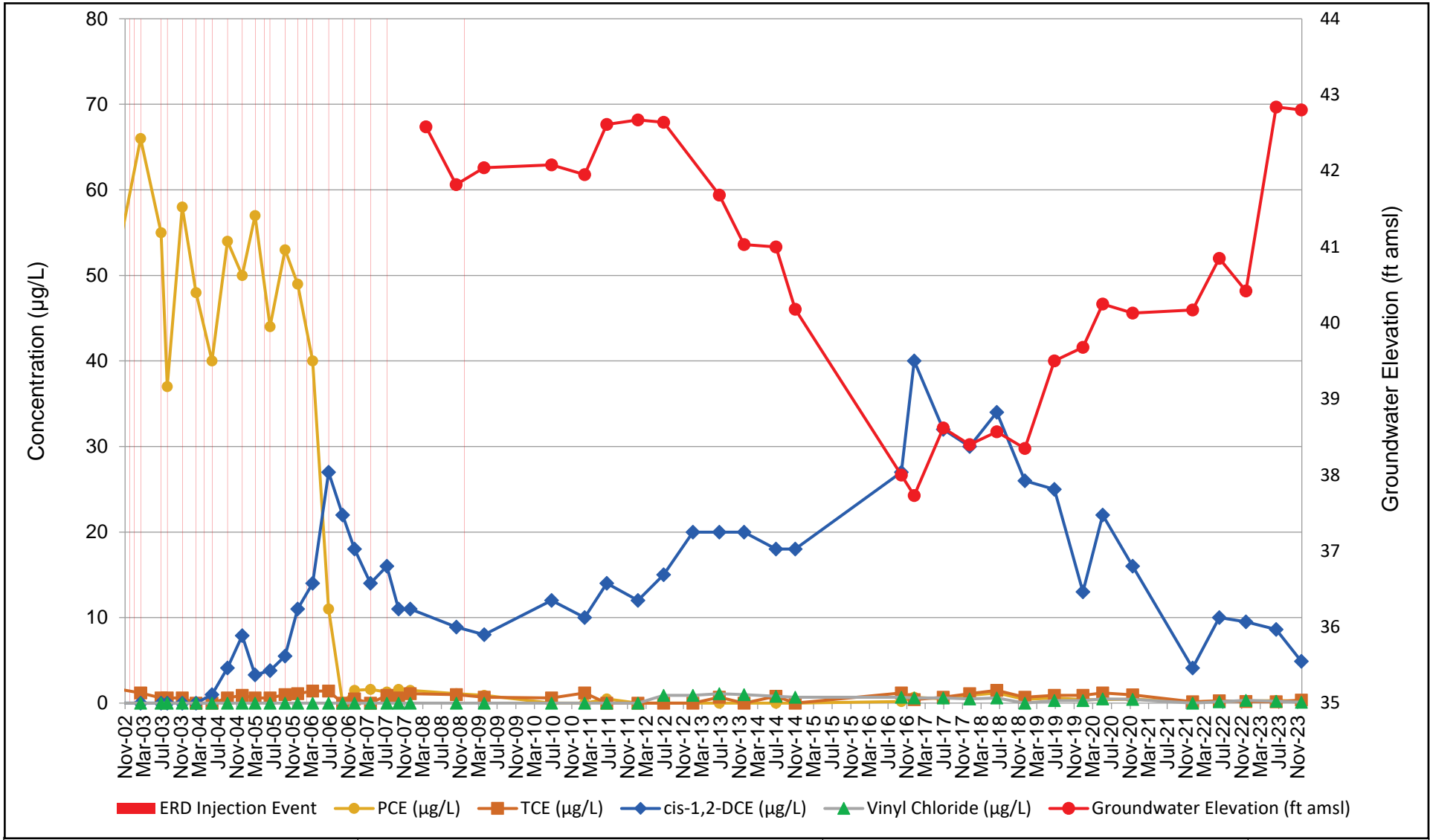


2023 Second Semiannual
Groundwater Monitoring Report, Washrack Site
Former United States Disciplinary Barracks
Lompoc, California

Time-Series Plots
WR-MW-08A

FIGURE

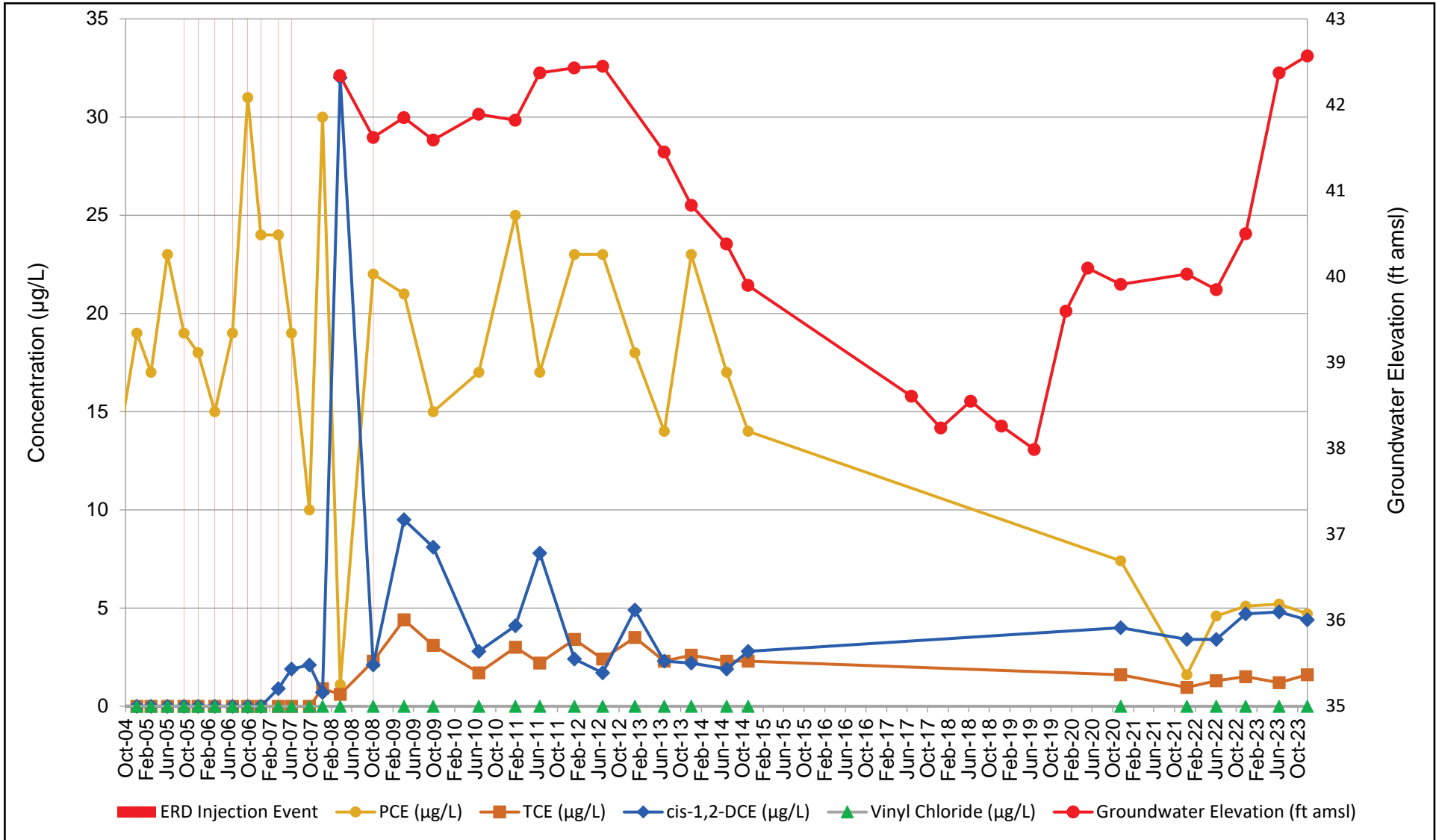
C-5



2023 Second Semiannual
Groundwater Monitoring Report, Washrack Site
Former United States Disciplinary Barracks
Lompoc, California

Time-Series Plots
WR-MW-09A

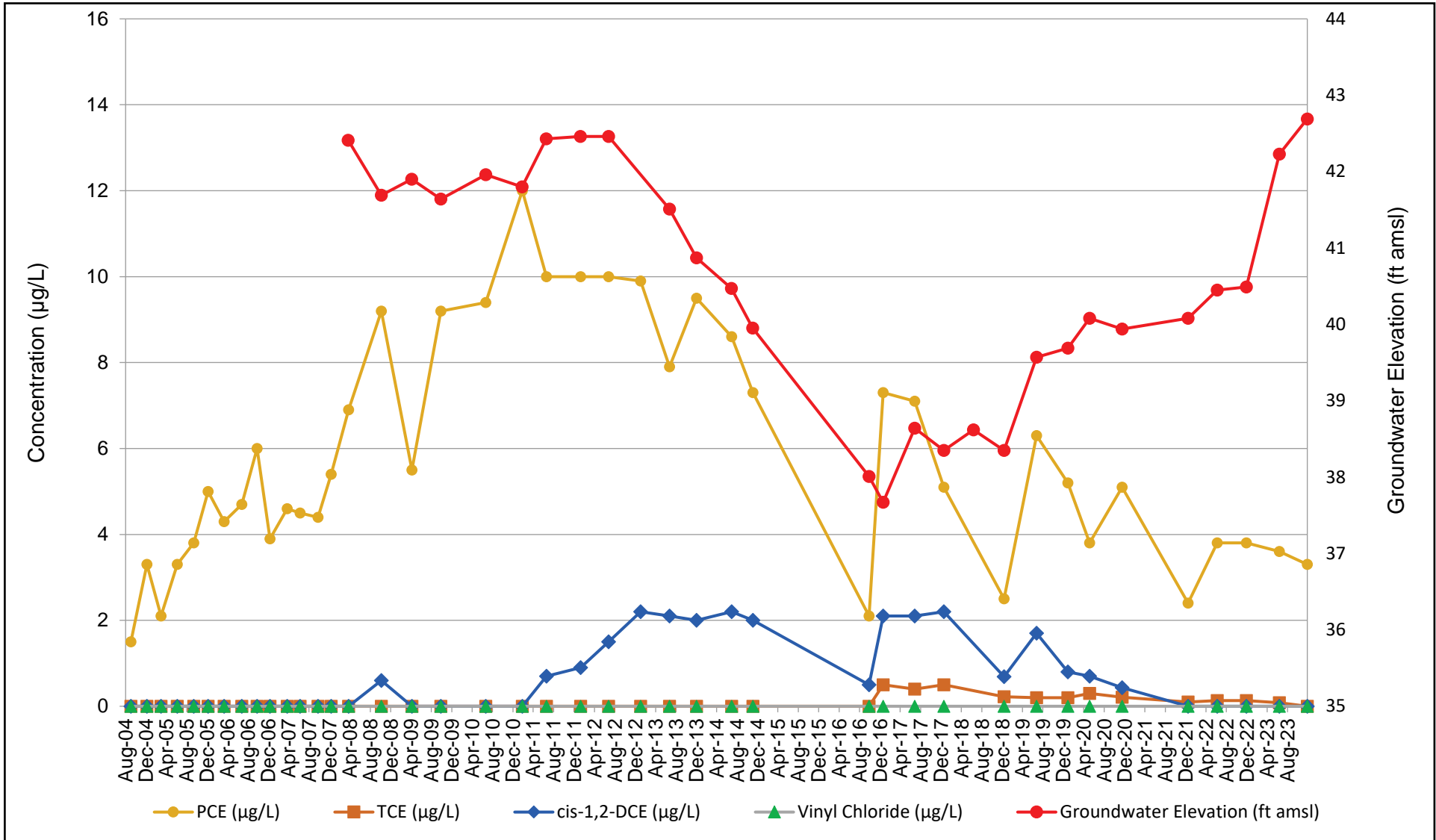
FIGURE
C-6



2023 Second Semiannual
 Groundwater Monitoring Report, Washrack Site
 Former United States Disciplinary Barracks
 Lompoc, California

Time-Series Plots
WR-MW-10A

FIGURE
C-7

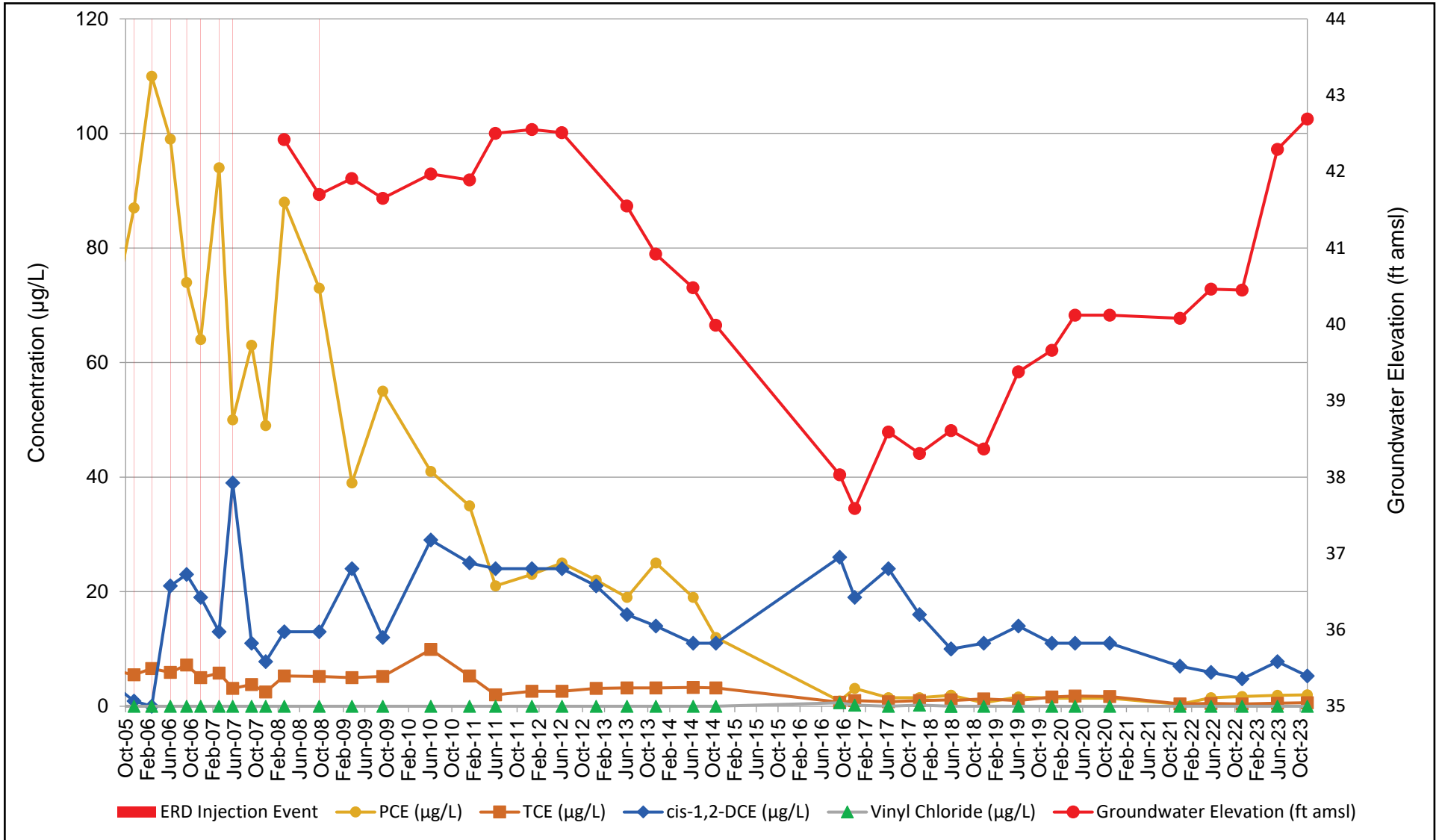


2023 Second Semiannual
Groundwater Monitoring Report, Washrack Site
Former United States Disciplinary Barracks
Lompoc, California

Time-Series Plots
WR-MW-11A

FIGURE

C-8



2023 Second Semiannual
Groundwater Monitoring Report, Washrack Site
Former United States Disciplinary Barracks
Lompoc, California

Time-Series Plots
WR-MW-12A

FIGURE
C-9

Attachments

Attachment 1. Laboratory Report

Work Order Number: 2322252

**Laboratory Documentation Requirements
For Data Validation of
Volatiles Analysis**

**Prepared By
Pace Analytical - Bakersfield**

For Ahtna Global, LLC

21044.006.01.000

All pages have been paginated and results listed in this report are for the exclusive use of the submitting party. Pace Analytical - Bakersfield assumes no responsibility for report alteration, separation, detachment or third party interpretation.

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Case Narrative

Sample Receipt

Work Order: 2322252

COC Number:

Default Cooler was received at 1 °C

Samples were checked for preservation. Where applicable, sample preservation was adjusted in the laboratory.

Requested Analysis

<u>Method</u>	<u>Instrument</u>
EPA-8260C	MS-V5

Sample Qualifier Summary

There were no qualifiers for the samples.

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.

<u>Lab Number</u>	<u>Method</u>	<u>Analyte</u>
2317843-CCV5	EPA-8260C	Bromodichloromethane
2317843-CCV5	EPA-8260C	Dibromochloromethane
2317843-CCV5	EPA-8260C	Tetrachloroethene
2317843-CCV5	EPA-8260C	Toluene
2317843-CCV5	EPA-8260C	Trichloroethene

Matrix Spikes

Source Samples Used For QC

<u>Batch</u>	<u>Method</u>	<u>Source Lab Number</u>	<u>Client Sample Name</u>
B179170	EPA-8260C	2322252-11	WR-MW-12A-1123-N

Precision and accuracy requirements were within QC limits.

LCS / LCSD

The LCS recoveries were within QC limits.

Number 11292023
Form 1 of 1



Chain of Custody R 2322252

Ahtna 73-22252

Project Number	21044.006.01.000	Lab Work Order	
Installation/Site	Former USDB, Lompoc	Lab Turnaround Time	<input checked="" type="checkbox"/> 2 wk <input type="checkbox"/> 1 wk <input type="checkbox"/> 3 d <input type="checkbox"/> 2 d <input type="checkbox"/> 24 hr <input type="checkbox"/>
Activity	2023 SemiAnnual, November 2023	Transporter Name	
Purchase Order#		Waybill Number	
Field Team Leader	Leslie Davis	Ahtna POC	Sommer Carter
(name, phone, email)	(907) 301-6992 l.davis@ahтна.net, tbage@ahтна.net, lab@ahтна.net	(name, phone, email)	scarter@ahтна.net
Preservation Used [1]		1	
Laboratory Sequence No.	Field Sample ID	Date	Time
1	WR-MW-01-1123-N	11/27/2023	1505 WG 3
2	WR-MW-01B-1123-N	11/27/2023	1400 WG 3
3	WR-MW-02-1123-N	11/28/2023	1050 WG 2
4	WR-MW-04A-1123-N	11/28/2023	0810 WG 3
5	WR-MW-05A-1123-N	11/27/2023	1545 WG 3
6	WR-MW-08A-1123-N	11/28/2023	1010 WG 3
7	WR-MW-09A-1123-N	11/27/2023	1610 WG 3
8	WR-MW-10A-1123-N	11/28/2023	0735 WG 3
9	WR-MW-11A-1123-N	11/28/2023	0840 WG 3
10	WR-MW-08A-1123-D	11/28/2023	1005 WG 3
11	WR-MW-12A-1123-N	11/29/2023	0930 WQ 3
12	MW01A-1123-FB	11/28/2023	1015 WQ 3
13	MW12A-1123-TB	11/27/2023	0800 WQ 1
(Comments)			
<div style="border: 2px solid red; padding: 5px; display: inline-block;"> CHK BY: JMM DISTRIBUTION: JMS/MSB LP SUB OUT </div>			
Received by (Name/Company) Leslie Davis / Ahtna 11-29 03:10		Received (Field or Laboratory Sample Container Organization) 11-30-23 08:16	
Received by (Organization) Ahtna		Received by (Organization) (blank)	
Preservation Used: HCl (1), HNO3 (2), H2SO4 (3), NaOH (4), H3PO4, None (6), Other (7), Other (8), Other (9)		Ambient air (AA), indoor air (AI), soil gas (GS), sediment (SE), soil (SO), ground water (WG), surface water (WS), process water (WT)	

SWE-FFRM-302.00

Ahtna Southwest Environmental

PACE ANALYTICAL COOLER RECEIPT FORM Page 2 of 2 ¹¹⁻³⁰⁻²³ _{Vol}
 Submission #: 23-2252 1 of 2

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: _____

Custody Seals: Ice Chest Containers None
 Intact? Yes No Intact? Yes No Comments: _____

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

COC Received: YES NO Emissivity: 0.97 Container: NA Thermometer ID: 337 Date/Time: 11-30-23
 Temperature: (A) 0.8 °C / (C) 1.6 °C Analyst Init: SMH OBL

SAMPLE CONTAINERS	SAMPLE NUMBERS									
	1	2	3	4	5	6	7	8	9	10
QT PE UNPRES										
4oz / 8oz / 16oz PE UNPRES										
2oz Cc ^m										
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										
PIA PHENOLICS										
40ml VOA VIAL TRAVEL BLANK										
40ml VOA VIAL										
QT EPA 1664B										
PT ODOR										
RADIOLOGICAL										
BACTERIOLOGICAL										
49 ml VOA VIAL-504										
QT EPA 803/088.3/081A										
QT EPA 515.1/5151A										
QT EPA 515.2										
QT EPA 515.3 TRAVEL BLANK										
40ml EPA 547										
40ml EPA 531.1										
8oz EPA 545.1										
QT EPA 549.2										
QT EPA 80150I										
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: -13 has different time on COC than bottle
 Sample Numbering Completed By: VBI Date/Time: 11-30-23 0850 Rev 23 05/2022
 A = Actual / C = Corrected (C:\Pace\Work\Forms\AI_0237\FORMS\AI_0237\REV 23)

PACE ANALYTICAL		COOLER RECEIPT FORM		Page <u>2</u> of <u>2</u>	
Submission #: <u>23-22252</u>					
SHIPPING INFORMATION Fed Ex <input checked="" type="checkbox"/> UPS <input type="checkbox"/> GSO / GLS <input type="checkbox"/> Hand Delivery <input type="checkbox"/> Pace Lab Field Service <input type="checkbox"/> Other <input type="checkbox"/> (Specify) _____			SHIPPING CONTAINER Ice Chest <input checked="" type="checkbox"/> None <input type="checkbox"/> Box <input type="checkbox"/> Other <input type="checkbox"/> (Specify) _____		FREE LIQUID YES <input type="checkbox"/> NO <input checked="" type="checkbox"/> W / S
Refrigerant: Ice <input checked="" type="checkbox"/> Blue Ice <input type="checkbox"/> None <input type="checkbox"/> Other <input type="checkbox"/> Comments:					
Custody Seals Ice Chest <input checked="" type="checkbox"/> Containers <input type="checkbox"/> None <input type="checkbox"/> Comments:					
Intact? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Intact? Yes <input type="checkbox"/> No <input type="checkbox"/>					
All samples received? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>		All samples containers intact? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>		Description(s) match COC? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	
COC Received <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO		Emissivity: <u>0.97</u> Container: <u>N/A</u> Thermometer ID: <u>337</u>		Date/Time <u>11-30-23</u>	
		Temperature: (A) <u>0.8</u> °C / (C) <u>1.0</u> °C		Analyst Init <u>SMH 0816</u>	

SAMPLE CONTAINERS	SAMPLE NUMBERS									
	1	2	3	4	5	6	7	8	9	10
QT PE UNPRES										
4oz / Box / 16oz PE UNPRES										
2oz Cr ⁴										
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										
PIA PHENOLICS										
40ml VOA VIAL TRAVEL BLANK										
40ml VOA VIAL										
QT EPA 1664B										
PT ODOR										
RADIOLOGICAL										
BACTERIOLOGICAL										
40 ml VOA VIAL-804										
QT EPA 528/503/8031A										
QT EPA 515.1/5151A										
QT EPA 525.2										
QT EPA 525.2 TRAVEL BLANK										
40ml EPA 547										
40ml EPA 531.1										
8oz EPA 545.1										
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: VBI Date/Time: 11-30-23 0850 Rev 23 05/24/22
 A = Actual / C = Corrected [C:\P\Dev\W\w4\Perfct\F_A6_DOC\CFORCISAMREC.VB 30]

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

Reported: 12/7/2023 8:41:11AM
Project: Former USDB Lompoc
Project Number: 21044.006.01.000
Project Manager: Sommer Carter

Pace Analytical - Bakersfield
4100 Atlas Court
Bakersfield, CA 93308
Phone: 661-327-4911

SDG: 2322252
Class: VOA
Method: EPA-8260C

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

Reported: 12/7/2023 8:41:11AM
 Project: Former USDB Lompoc
 Project Number: 21044.006.01.000
 Project Manager: Sommer Carter

ANALYSES DATA PACKAGE COVER PAGE
EPA-8260C

Laboratory: Pace Analytical - Bakersfield

SDG: 2322252

Client: Ahtna Global, LLC SAHTT

Project: Former USDB Lompoc

Client Sample Id:	Lab Sample Id:
<u>WR-MW-01-1123-N</u>	<u>2322252-01</u>
<u>WR-MW-01B-1123-N</u>	<u>2322252-02</u>
<u>WR-MW-02-1123-N</u>	<u>2322252-03</u>
<u>WR-MW-04A-1123-N</u>	<u>2322252-04</u>
<u>WR-MW-05A-1123-N</u>	<u>2322252-05</u>
<u>WR-MW-08A-1123-N</u>	<u>2322252-06</u>
<u>WR-MW-09A-1123-N</u>	<u>2322252-07</u>
<u>WR-MW-10A-1123-N</u>	<u>2322252-08</u>
<u>WR-MW-11A-1123-N</u>	<u>2322252-09</u>
<u>WR-MW-08A-1123-D</u>	<u>2322252-10</u>
<u>WR-MW-12A-1123-N</u>	<u>2322252-11</u>
<u>MW01A-1123-FB</u>	<u>2322252-12</u>
<u>MW12A-1123-TB</u>	<u>2322252-13</u>

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: 12-07-2023

Title: Operations Manager

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

Reported: 12/7/2023 8:41:11AM
Project: Former USDB Lompoc
Project Number: 21044.006.01.000
Project Manager: Sommer Carter

METHOD DETECTION AND REPORTING LIMITS

EPA-8260C

Laboratory: Pace Analytical - Bakersfield

SDG: 2322252

Client: Ahtna Global, LLC SAHTT

Project: Former USDB Lompoc

Matrix: Water

Instrument: MS-V5

Analyte	DL	LOD	LOQ	Units
Benzene	0.063	0.16	0.50	ug/L
Bromodichloromethane	0.064	0.30	0.50	ug/L
Bromoform	0.15	0.30	0.60	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
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
Methyl t-butyl ether	0.055	0.16	0.50	ug/L
Tetrachloroethene	0.077	0.30	0.50	ug/L
Toluene	0.055	0.16	0.50	ug/L
1,1,1-Trichloroethane	0.051	0.16	0.50	ug/L
Trichloroethene	0.065	0.16	0.50	ug/L
Vinyl chloride	0.097	0.16	0.50	ug/L
Total Xylenes	0.20	0.46	1.0	ug/L
Acetone	3.5	8.0	10	ug/L
Methyl ethyl ketone	2.1	3.0	10	ug/L

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

Reported: 12/7/2023 8:41:11AM
Project: Former USDB Lompoc
Project Number: 21044.006.01.000
Project Manager: Sommer Carter

ORGANIC ANALYSIS DATA SHEET
EPA-8260C

WR-MW-01-1123-N

Laboratory: Pace Analytical - Bakersfield SDG: 2322252
Client: Ahtna Global, LLC SAHTT Project: Former USDB Lompoc
Matrix: Water Laboratory ID: 2322252-01 File ID: 30NOV50.D
Sampled: 11/27/23 15:05 Prepared: 11/30/23 11:09 Analyzed: 12/01/23 01:55
Solids: Preparation: EPA 5030 Water MS Initial/Final: 25 ml / 25 ml
Batch: B179170 Sequence: 2317843 Calibration: 2312004 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
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
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
75-35-4	1,1-Dichloroethene	1	0.20	0.070	0.20	0.50	U
156-59-2	cis-1,2-Dichloroethene	1	0.55	0.085	0.16	0.50	
156-60-5	trans-1,2-Dichloroethene	1	0.16	0.050	0.16	0.50	U
1634-04-4	Methyl t-butyl ether	1	0.16	0.055	0.16	0.50	U
127-18-4	Tetrachloroethene	1	4.5	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
79-01-6	Trichloroethene	1	2.5	0.065	0.16	0.50	
75-01-4	Vinyl chloride	1	0.16	0.097	0.16	0.50	U
1330-20-7	Total Xylenes	1	0.46	0.20	0.46	1.0	U
67-64-1	Acetone	1	8.0	3.5	8.0	10	U
78-93-3	Methyl ethyl ketone	1	3.0	2.1	3.0	10	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
1,2-Dichloroethane-d4 (Surrogate)	10.000	11.100	111	81 - 118	
Toluene-d8 (Surrogate)	10.000	9.7500	97.5	89 - 112	
4-Bromofluorobenzene (Surrogate)	10.000	10.120	101	85 - 114	

INTERNAL STANDARD	AREA	RT	REF AREA	REF RT	Q
Pentafluorobenzene (IS)	48602	7.5	47381	7.5	
Chlorobenzene-d5 (IS)	112465	10.3	111356	10.3	
1,4-Difluorobenzene (IS)	101348	8.19	93849	8.2	

* Values outside of QC limits

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

Reported: 12/7/2023 8:41:11AM
 Project: Former USDB Lompoc
 Project Number: 21044.006.01.000
 Project Manager: Sommer Carter

ORGANIC ANALYSIS DATA SHEET
EPA-8260C

WR-MW-01B-1123-N

Laboratory:	<u>Pace Analytical - Bakersfield</u>	SDG:	<u>2322252</u>				
Client:	<u>Ahtna Global, LLC SAHTT</u>	Project:	<u>Former USDB Lompoc</u>				
Matrix:	<u>Water</u>	Laboratory ID:	<u>2322252-02</u>	File ID:	<u>30NOV51.D</u>		
Sampled:	<u>11/27/23 14:00</u>	Prepared:	<u>11/30/23 11:09</u>	Analyzed:	<u>12/01/23 02:19</u>		
Solids:		Preparation:	<u>EPA 5030 Water MS</u>	Initial/Final:	<u>25 ml / 25 ml</u>		
Batch:	<u>B179170</u>	Sequence:	<u>2317843</u>	Calibration:	<u>2312004</u>	Instrument:	<u>MS-V5</u>

CAS NO.	COMPOUND	DILUTION	CONC. (ug/L)	DL	LOD	LOQ	Q
71-43-2	Benzene	1	0.11	0.063	0.16	0.50	J
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
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
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
1634-04-4	Methyl t-butyl ether	1	0.16	0.055	0.16	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
79-01-6	Trichloroethene	1	0.16	0.065	0.16	0.50	U
75-01-4	Vinyl chloride	1	0.16	0.097	0.16	0.50	U
1330-20-7	Total Xylenes	1	0.46	0.20	0.46	1.0	U
67-64-1	Acetone	1	8.0	3.5	8.0	10	U
78-93-3	Methyl ethyl ketone	1	3.0	2.1	3.0	10	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
1,2-Dichloroethane-d4 (Surrogate)	10.000	10.200	102	81 - 118	
Toluene-d8 (Surrogate)	10.000	9.9300	99.3	89 - 112	
4-Bromofluorobenzene (Surrogate)	10.000	9.7800	97.8	85 - 114	

INTERNAL STANDARD	AREA	RT	REF AREA	REF RT	Q
Pentafluorobenzene (IS)	51804	7.5	47381	7.5	
Chlorobenzene-d5 (IS)	118263	10.3	111356	10.3	
1,4-Difluorobenzene (IS)	99183	8.19	93849	8.2	

* Values outside of QC limits

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

Reported: 12/7/2023 8:41:11AM
Project: Former USDB Lompoc
Project Number: 21044.006.01.000
Project Manager: Sommer Carter

ORGANIC ANALYSIS DATA SHEET
EPA-8260C

WR-MW-02-1123-N

Laboratory: Pace Analytical - Bakersfield SDG: 2322252
Client: Ahtna Global, LLC SAHTT Project: Former USDB Lompoc
Matrix: Water Laboratory ID: 2322252-03 File ID: 30NOV52.D
Sampled: 11/28/23 10:50 Prepared: 11/30/23 11:09 Analyzed: 12/01/23 02:43
Solids: Preparation: EPA 5030 Water MS Initial/Final: 25 ml / 25 ml
Batch: B179170 Sequence: 2317843 Calibration: 2312004 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
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
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
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
1634-04-4	Methyl t-butyl ether	1	0.16	0.055	0.16	0.50	U
127-18-4	Tetrachloroethene	1	12	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
79-01-6	Trichloroethene	1	0.18	0.065	0.16	0.50	J
75-01-4	Vinyl chloride	1	0.16	0.097	0.16	0.50	U
1330-20-7	Total Xylenes	1	0.46	0.20	0.46	1.0	U
67-64-1	Acetone	1	8.0	3.5	8.0	10	U
78-93-3	Methyl ethyl ketone	1	3.0	2.1	3.0	10	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
1,2-Dichloroethane-d4 (Surrogate)	10.000	10.320	103	81 - 118	
Toluene-d8 (Surrogate)	10.000	10.110	101	89 - 112	
4-Bromofluorobenzene (Surrogate)	10.000	10.190	102	85 - 114	

INTERNAL STANDARD	AREA	RT	REF AREA	REF RT	Q
Pentafluorobenzene (IS)	47795	7.5	47381	7.5	
Chlorobenzene-d5 (IS)	107964	10.3	111356	10.3	
1,4-Difluorobenzene (IS)	91487	8.2	93849	8.2	

* Values outside of QC limits

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

Reported: 12/7/2023 8:41:11AM
 Project: Former USDB Lompoc
 Project Number: 21044.006.01.000
 Project Manager: Sommer Carter

ORGANIC ANALYSIS DATA SHEET
EPA-8260C

WR-MW-04A-1123-N

Laboratory:	<u>Pace Analytical - Bakersfield</u>	SDG:	<u>2322252</u>
Client:	<u>Ahtna Global, LLC SAHTT</u>	Project:	<u>Former USDB Lompoc</u>
Matrix:	<u>Water</u>	Laboratory ID:	<u>2322252-04</u>
		File ID:	<u>30NOV53.D</u>
Sampled:	<u>11/28/23 08:10</u>	Prepared:	<u>11/30/23 11:09</u>
		Analyzed:	<u>12/01/23 03:07</u>
Solids:		Preparation:	<u>EPA 5030 Water MS</u>
		Initial/Final:	<u>25 ml / 25 ml</u>
Batch:	<u>B179170</u>	Sequence:	<u>2317843</u>
		Calibration:	<u>2312004</u>
		Instrument:	<u>MS-V5</u>

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
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
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
75-35-4	1,1-Dichloroethene	1	0.20	0.070	0.20	0.50	U
156-59-2	cis-1,2-Dichloroethene	1	1.3	0.085	0.16	0.50	
156-60-5	trans-1,2-Dichloroethene	1	0.16	0.050	0.16	0.50	U
1634-04-4	Methyl t-butyl ether	1	0.16	0.055	0.16	0.50	U
127-18-4	Tetrachloroethene	1	7.4	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
79-01-6	Trichloroethene	1	1.3	0.065	0.16	0.50	
75-01-4	Vinyl chloride	1	0.16	0.097	0.16	0.50	U
1330-20-7	Total Xylenes	1	0.46	0.20	0.46	1.0	U
67-64-1	Acetone	1	8.0	3.5	8.0	10	U
78-93-3	Methyl ethyl ketone	1	3.0	2.1	3.0	10	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
1,2-Dichloroethane-d4 (Surrogate)	10.000	10.880	109	81 - 118	
Toluene-d8 (Surrogate)	10.000	9.6900	96.9	89 - 112	
4-Bromofluorobenzene (Surrogate)	10.000	10.020	100	85 - 114	

INTERNAL STANDARD	AREA	RT	REF AREA	REF RT	Q
Pentafluorobenzene (IS)	50452	7.5	47381	7.5	
Chlorobenzene-d5 (IS)	123369	10.3	111356	10.3	
1,4-Difluorobenzene (IS)	105708	8.2	93849	8.2	

* Values outside of QC limits

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

Reported: 12/7/2023 8:41:11AM
Project: Former USDB Lompoc
Project Number: 21044.006.01.000
Project Manager: Sommer Carter

ORGANIC ANALYSIS DATA SHEET
EPA-8260C

WR-MW-05A-1123-N

Laboratory: Pace Analytical - Bakersfield SDG: 2322252
Client: Ahtna Global, LLC SAHTT Project: Former USDB Lompoc
Matrix: Water Laboratory ID: 2322252-05 File ID: 30NOV54.D
Sampled: 11/27/23 15:45 Prepared: 11/30/23 11:09 Analyzed: 12/01/23 03:31
Solids: Preparation: EPA 5030 Water MS Initial/Final: 25 ml / 25 ml
Batch: B179170 Sequence: 2317843 Calibration: 2312004 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
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
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
75-35-4	1,1-Dichloroethene	1	0.20	0.070	0.20	0.50	U
156-59-2	cis-1,2-Dichloroethene	1	4.2	0.085	0.16	0.50	
156-60-5	trans-1,2-Dichloroethene	1	0.16	0.050	0.16	0.50	U
1634-04-4	Methyl t-butyl ether	1	0.16	0.055	0.16	0.50	U
127-18-4	Tetrachloroethene	1	0.21	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
79-01-6	Trichloroethene	1	0.16	0.065	0.16	0.50	U
75-01-4	Vinyl chloride	1	0.16	0.097	0.16	0.50	U
1330-20-7	Total Xylenes	1	0.46	0.20	0.46	1.0	U
67-64-1	Acetone	1	8.0	3.5	8.0	10	U
78-93-3	Methyl ethyl ketone	1	3.0	2.1	3.0	10	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
1,2-Dichloroethane-d4 (Surrogate)	10.000	10.900	109	81 - 118	
Toluene-d8 (Surrogate)	10.000	9.4700	94.7	89 - 112	
4-Bromofluorobenzene (Surrogate)	10.000	9.9700	99.7	85 - 114	

INTERNAL STANDARD	AREA	RT	REF AREA	REF RT	Q
Pentafluorobenzene (IS)	51066	7.51	47381	7.5	
Chlorobenzene-d5 (IS)	121857	10.3	111356	10.3	
1,4-Difluorobenzene (IS)	107489	8.2	93849	8.2	

* Values outside of QC limits

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

Reported: 12/7/2023 8:41:11AM
 Project: Former USDB Lompoc
 Project Number: 21044.006.01.000
 Project Manager: Sommer Carter

ORGANIC ANALYSIS DATA SHEET
EPA-8260C

WR-MW-08A-1123-N

Laboratory:	<u>Pace Analytical - Bakersfield</u>	SDG:	<u>2322252</u>
Client:	<u>Ahtna Global, LLC SAHTT</u>	Project:	<u>Former USDB Lompoc</u>
Matrix:	<u>Water</u>	Laboratory ID:	<u>2322252-06</u>
		File ID:	<u>30NOV55.D</u>
Sampled:	<u>11/28/23 10:10</u>	Prepared:	<u>11/30/23 11:09</u>
		Analyzed:	<u>12/01/23 03:55</u>
Solids:		Preparation:	<u>EPA 5030 Water MS</u>
		Initial/Final:	<u>25 ml / 25 ml</u>
Batch:	<u>B179170</u>	Sequence:	<u>2317843</u>
		Calibration:	<u>2312004</u>
		Instrument:	<u>MS-V5</u>

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
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
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
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
1634-04-4	Methyl t-butyl ether	1	0.16	0.055	0.16	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
79-01-6	Trichloroethene	1	0.16	0.065	0.16	0.50	U
75-01-4	Vinyl chloride	1	0.16	0.097	0.16	0.50	U
1330-20-7	Total Xylenes	1	0.46	0.20	0.46	1.0	U
67-64-1	Acetone	1	8.0	3.5	8.0	10	U
78-93-3	Methyl ethyl ketone	1	3.0	2.1	3.0	10	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
1,2-Dichloroethane-d4 (Surrogate)	10.000	10.590	106	81 - 118	
Toluene-d8 (Surrogate)	10.000	9.6200	96.2	89 - 112	
4-Bromofluorobenzene (Surrogate)	10.000	9.9600	99.6	85 - 114	

INTERNAL STANDARD	AREA	RT	REF AREA	REF RT	Q
Pentafluorobenzene (IS)	49824	7.5	47381	7.5	
Chlorobenzene-d5 (IS)	115730	10.3	111356	10.3	
1,4-Difluorobenzene (IS)	100375	8.2	93849	8.2	

* Values outside of QC limits

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

Reported: 12/7/2023 8:41:11AM
 Project: Former USDB Lompoc
 Project Number: 21044.006.01.000
 Project Manager: Sommer Carter

ORGANIC ANALYSIS DATA SHEET
EPA-8260C

WR-MW-09A-1123-N

Laboratory: <u>Pace Analytical - Bakersfield</u>	SDG: <u>2322252</u>		
Client: <u>Ahtna Global, LLC SAHTT</u>	Project: <u>Former USDB Lompoc</u>		
Matrix: <u>Water</u>	Laboratory ID: <u>2322252-07</u>	File ID: <u>30NOV56.D</u>	
Sampled: <u>11/27/23 16:10</u>	Prepared: <u>11/30/23 11:09</u>	Analyzed: <u>12/01/23 04:19</u>	
Solids:	Preparation: <u>EPA 5030 Water MS</u>	Initial/Final: <u>25 ml / 25 ml</u>	
Batch: <u>B179170</u>	Sequence: <u>2317843</u>	Calibration: <u>2312004</u>	Instrument: <u>MS-V5</u>

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
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
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
75-35-4	1,1-Dichloroethene	1	0.20	0.070	0.20	0.50	U
156-59-2	cis-1,2-Dichloroethene	1	4.9	0.085	0.16	0.50	
156-60-5	trans-1,2-Dichloroethene	1	0.16	0.050	0.16	0.50	U
1634-04-4	Methyl t-butyl ether	1	0.16	0.055	0.16	0.50	U
127-18-4	Tetrachloroethene	1	0.24	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
79-01-6	Trichloroethene	1	0.35	0.065	0.16	0.50	J
75-01-4	Vinyl chloride	1	0.11	0.097	0.16	0.50	J
1330-20-7	Total Xylenes	1	0.46	0.20	0.46	1.0	U
67-64-1	Acetone	1	8.0	3.5	8.0	10	U
78-93-3	Methyl ethyl ketone	1	3.0	2.1	3.0	10	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
1,2-Dichloroethane-d4 (Surrogate)	10.000	11.230	112	81 - 118	
Toluene-d8 (Surrogate)	10.000	9.9000	99.0	89 - 112	
4-Bromofluorobenzene (Surrogate)	10.000	10.180	102	85 - 114	

INTERNAL STANDARD	AREA	RT	REF AREA	REF RT	Q
Pentafluorobenzene (IS)	47590	7.5	47381	7.5	
Chlorobenzene-d5 (IS)	112610	10.3	111356	10.3	
1,4-Difluorobenzene (IS)	96969	8.2	93849	8.2	

* Values outside of QC limits

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

Reported: 12/7/2023 8:41:11AM
 Project: Former USDB Lompoc
 Project Number: 21044.006.01.000
 Project Manager: Sommer Carter

ORGANIC ANALYSIS DATA SHEET
EPA-8260C

WR-MW-10A-1123-N

Laboratory:	<u>Pace Analytical - Bakersfield</u>	SDG:	<u>2322252</u>				
Client:	<u>Ahtna Global, LLC SAHTT</u>	Project:	<u>Former USDB Lompoc</u>				
Matrix:	<u>Water</u>	Laboratory ID:	<u>2322252-08</u>	File ID:	<u>30NOV57.D</u>		
Sampled:	<u>11/28/23 07:35</u>	Prepared:	<u>11/30/23 11:09</u>	Analyzed:	<u>12/01/23 04:43</u>		
Solids:		Preparation:	<u>EPA 5030 Water MS</u>	Initial/Final:	<u>25 ml / 25 ml</u>		
Batch:	<u>B179170</u>	Sequence:	<u>2317843</u>	Calibration:	<u>2312004</u>	Instrument:	<u>MS-V5</u>

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
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
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
75-35-4	1,1-Dichloroethene	1	0.20	0.070	0.20	0.50	U
156-59-2	cis-1,2-Dichloroethene	1	4.4	0.085	0.16	0.50	
156-60-5	trans-1,2-Dichloroethene	1	0.12	0.050	0.16	0.50	J
1634-04-4	Methyl t-butyl ether	1	0.16	0.055	0.16	0.50	U
127-18-4	Tetrachloroethene	1	4.7	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
79-01-6	Trichloroethene	1	1.6	0.065	0.16	0.50	
75-01-4	Vinyl chloride	1	0.16	0.097	0.16	0.50	U
1330-20-7	Total Xylenes	1	0.46	0.20	0.46	1.0	U
67-64-1	Acetone	1	8.0	3.5	8.0	10	U
78-93-3	Methyl ethyl ketone	1	3.0	2.1	3.0	10	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
1,2-Dichloroethane-d4 (Surrogate)	10.000	10.540	105	81 - 118	
Toluene-d8 (Surrogate)	10.000	9.6300	96.3	89 - 112	
4-Bromofluorobenzene (Surrogate)	10.000	10.070	101	85 - 114	

INTERNAL STANDARD	AREA	RT	REF AREA	REF RT	Q
Pentafluorobenzene (IS)	50230	7.5	47381	7.5	
Chlorobenzene-d5 (IS)	113475	10.3	111356	10.3	
1,4-Difluorobenzene (IS)	100678	8.19	93849	8.2	

* Values outside of QC limits

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

Reported: 12/7/2023 8:41:11AM
 Project: Former USDB Lompoc
 Project Number: 21044.006.01.000
 Project Manager: Sommer Carter

ORGANIC ANALYSIS DATA SHEET
EPA-8260C

WR-MW-11A-1123-N

Laboratory:	<u>Pace Analytical - Bakersfield</u>	SDG:	<u>2322252</u>
Client:	<u>Ahtna Global, LLC SAHTT</u>	Project:	<u>Former USDB Lompoc</u>
Matrix:	<u>Water</u>	Laboratory ID:	<u>2322252-09</u>
		File ID:	<u>30NOV58.D</u>
Sampled:	<u>11/28/23 08:40</u>	Prepared:	<u>11/30/23 11:09</u>
		Analyzed:	<u>12/01/23 05:07</u>
Solids:		Preparation:	<u>EPA 5030 Water MS</u>
		Initial/Final:	<u>25 ml / 25 ml</u>
Batch:	<u>B179170</u>	Sequence:	<u>2317843</u>
		Calibration:	<u>2312004</u>
		Instrument:	<u>MS-V5</u>

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
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
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
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
1634-04-4	Methyl t-butyl ether	1	0.16	0.055	0.16	0.50	U
127-18-4	Tetrachloroethene	1	3.3	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
79-01-6	Trichloroethene	1	0.16	0.065	0.16	0.50	U
75-01-4	Vinyl chloride	1	0.16	0.097	0.16	0.50	U
1330-20-7	Total Xylenes	1	0.46	0.20	0.46	1.0	U
67-64-1	Acetone	1	79	3.5	8.0	10	
78-93-3	Methyl ethyl ketone	1	3.0	2.1	3.0	10	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
1,2-Dichloroethane-d4 (Surrogate)	10.000	10.710	107	81 - 118	
Toluene-d8 (Surrogate)	10.000	9.9300	99.3	89 - 112	
4-Bromofluorobenzene (Surrogate)	10.000	10.210	102	85 - 114	

INTERNAL STANDARD	AREA	RT	REF AREA	REF RT	Q
Pentafluorobenzene (IS)	51827	7.5	47381	7.5	
Chlorobenzene-d5 (IS)	120701	10.3	111356	10.3	
1,4-Difluorobenzene (IS)	103871	8.2	93849	8.2	

* Values outside of QC limits

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

Reported: 12/7/2023 8:41:11AM
 Project: Former USDB Lompoc
 Project Number: 21044.006.01.000
 Project Manager: Sommer Carter

ORGANIC ANALYSIS DATA SHEET
EPA-8260C

WR-MW-08A-1123-D

Laboratory:	<u>Pace Analytical - Bakersfield</u>	SDG:	<u>2322252</u>
Client:	<u>Ahtna Global, LLC SAHTT</u>	Project:	<u>Former USDB Lompoc</u>
Matrix:	<u>Water</u>	Laboratory ID:	<u>2322252-10</u>
		File ID:	<u>30NOV66.D</u>
Sampled:	<u>11/28/23 10:05</u>	Prepared:	<u>11/30/23 11:09</u>
		Analyzed:	<u>12/01/23 08:19</u>
Solids:		Preparation:	<u>EPA 5030 Water MS</u>
		Initial/Final:	<u>25 ml / 25 ml</u>
Batch:	<u>B179170</u>	Sequence:	<u>2317843</u>
		Calibration:	<u>2312004</u>
		Instrument:	<u>MS-V5</u>

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
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
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
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
1634-04-4	Methyl t-butyl ether	1	0.16	0.055	0.16	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
79-01-6	Trichloroethene	1	0.16	0.065	0.16	0.50	U
75-01-4	Vinyl chloride	1	0.16	0.097	0.16	0.50	U
1330-20-7	Total Xylenes	1	0.46	0.20	0.46	1.0	U
67-64-1	Acetone	1	8.0	3.5	8.0	10	U
78-93-3	Methyl ethyl ketone	1	3.0	2.1	3.0	10	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
1,2-Dichloroethane-d4 (Surrogate)	10.000	10.450	104	81 - 118	
Toluene-d8 (Surrogate)	10.000	9.6400	96.4	89 - 112	
4-Bromofluorobenzene (Surrogate)	10.000	10.220	102	85 - 114	

INTERNAL STANDARD	AREA	RT	REF AREA	REF RT	Q
Pentafluorobenzene (IS)	51698	7.5	47381	7.5	
Chlorobenzene-d5 (IS)	118669	10.3	111356	10.3	
1,4-Difluorobenzene (IS)	104947	8.2	93849	8.2	

* Values outside of QC limits

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

Reported: 12/7/2023 8:41:11AM
 Project: Former USDB Lompoc
 Project Number: 21044.006.01.000
 Project Manager: Sommer Carter

ORGANIC ANALYSIS DATA SHEET
EPA-8260C

WR-MW-12A-1123-N

Laboratory:	<u>Pace Analytical - Bakersfield</u>	SDG:	<u>2322252</u>				
Client:	<u>Ahtna Global, LLC SAHTT</u>	Project:	<u>Former USDB Lompoc</u>				
Matrix:	<u>Water</u>	Laboratory ID:	<u>2322252-11</u>	File ID:	<u>30NOV65.D</u>		
Sampled:	<u>11/28/23 09:30</u>	Prepared:	<u>11/30/23 11:09</u>	Analyzed:	<u>12/01/23 07:55</u>		
Solids:		Preparation:	<u>EPA 5030 Water MS</u>	Initial/Final:	<u>25 ml / 25 ml</u>		
Batch:	<u>B179170</u>	Sequence:	<u>2317843</u>	Calibration:	<u>2312004</u>	Instrument:	<u>MS-V5</u>

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
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
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
75-35-4	1,1-Dichloroethene	1	0.20	0.070	0.20	0.50	U
156-59-2	cis-1,2-Dichloroethene	1	5.3	0.085	0.16	0.50	
156-60-5	trans-1,2-Dichloroethene	1	0.16	0.050	0.16	0.50	U
1634-04-4	Methyl t-butyl ether	1	0.16	0.055	0.16	0.50	U
127-18-4	Tetrachloroethene	1	2.0	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
79-01-6	Trichloroethene	1	0.63	0.065	0.16	0.50	
75-01-4	Vinyl chloride	1	0.16	0.097	0.16	0.50	U
1330-20-7	Total Xylenes	1	0.46	0.20	0.46	1.0	U
67-64-1	Acetone	1	8.0	3.5	8.0	10	U
78-93-3	Methyl ethyl ketone	1	3.0	2.1	3.0	10	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
1,2-Dichloroethane-d4 (Surrogate)	10.000	10.430	104	81 - 118	
Toluene-d8 (Surrogate)	10.000	9.7100	97.1	89 - 112	
4-Bromofluorobenzene (Surrogate)	10.000	10.100	101	85 - 114	

INTERNAL STANDARD	AREA	RT	REF AREA	REF RT	Q
Pentafluorobenzene (IS)	51717	7.5	47381	7.5	
Chlorobenzene-d5 (IS)	115895	10.3	111356	10.3	
1,4-Difluorobenzene (IS)	102960	8.19	93849	8.2	

* Values outside of QC limits

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Project Manager: Sommer Carter

ORGANIC ANALYSIS DATA SHEET
EPA-8260C

MW01A-1123-FB

Laboratory: Pace Analytical - Bakersfield SDG: 2322252
Client: Ahtna Global, LLC SAHTT Project: Former USDB Lompoc
Matrix: Water Laboratory ID: 2322252-12 File ID: 30NOV67.D
Sampled: 11/28/23 10:15 Prepared: 11/30/23 11:09 Analyzed: 12/01/23 08:43
Solids: Preparation: EPA 5030 Water MS Initial/Final: 25 ml / 25 ml
Batch: B179170 Sequence: 2317843 Calibration: 2312004 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
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
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
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
1634-04-4	Methyl t-butyl ether	1	0.16	0.055	0.16	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
79-01-6	Trichloroethene	1	0.16	0.065	0.16	0.50	U
75-01-4	Vinyl chloride	1	0.16	0.097	0.16	0.50	U
1330-20-7	Total Xylenes	1	0.46	0.20	0.46	1.0	U
67-64-1	Acetone	1	8.0	3.5	8.0	10	U
78-93-3	Methyl ethyl ketone	1	3.0	2.1	3.0	10	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
1,2-Dichloroethane-d4 (Surrogate)	10.000	10.520	105	81 - 118	
Toluene-d8 (Surrogate)	10.000	9.9900	99.9	89 - 112	
4-Bromofluorobenzene (Surrogate)	10.000	9.6100	96.1	85 - 114	

INTERNAL STANDARD	AREA	RT	REF AREA	REF RT	Q
Pentafluorobenzene (IS)	51850	7.5	47381	7.5	
Chlorobenzene-d5 (IS)	124775	10.3	111356	10.3	
1,4-Difluorobenzene (IS)	101558	8.19	93849	8.2	

* Values outside of QC limits

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 Project: Former USDB Lompoc
 Project Number: 21044.006.01.000
 Project Manager: Sommer Carter

ORGANIC ANALYSIS DATA SHEET
EPA-8260C

MW12A-1123-TB

Laboratory:	<u>Pace Analytical - Bakersfield</u>	SDG:	<u>2322252</u>
Client:	<u>Ahtna Global, LLC SAHTT</u>	Project:	<u>Former USDB Lompoc</u>
Matrix:	<u>Water</u>	Laboratory ID:	<u>2322252-13</u>
		File ID:	<u>30NOV68.D</u>
Sampled:	<u>11/28/23 08:00</u>	Prepared:	<u>11/30/23 11:09</u>
		Analyzed:	<u>12/01/23 09:07</u>
Solids:		Preparation:	<u>EPA 5030 Water MS</u>
		Initial/Final:	<u>25 ml / 25 ml</u>
Batch:	<u>B179170</u>	Sequence:	<u>2317843</u>
		Calibration:	<u>2312004</u>
		Instrument:	<u>MS-V5</u>

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
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
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
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
1634-04-4	Methyl t-butyl ether	1	0.16	0.055	0.16	0.50	U
127-18-4	Tetrachloroethene	1	0.30	0.077	0.30	0.50	U
108-88-3	Toluene	1	0.17	0.055	0.16	0.50	J
71-55-6	1,1,1-Trichloroethane	1	0.16	0.051	0.16	0.50	U
79-01-6	Trichloroethene	1	0.16	0.065	0.16	0.50	U
75-01-4	Vinyl chloride	1	0.16	0.097	0.16	0.50	U
1330-20-7	Total Xylenes	1	0.46	0.20	0.46	1.0	U
67-64-1	Acetone	1	8.0	3.5	8.0	10	U
78-93-3	Methyl ethyl ketone	1	3.0	2.1	3.0	10	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
1,2-Dichloroethane-d4 (Surrogate)	10.000	11.060	111	81 - 118	
Toluene-d8 (Surrogate)	10.000	9.7200	97.2	89 - 112	
4-Bromofluorobenzene (Surrogate)	10.000	10.190	102	85 - 114	

INTERNAL STANDARD	AREA	RT	REF AREA	REF RT	Q
Pentafluorobenzene (IS)	50444	7.5	47381	7.5	
Chlorobenzene-d5 (IS)	117182	10.3	111356	10.3	
1,4-Difluorobenzene (IS)	103017	8.19	93849	8.2	

* Values outside of QC limits

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 Project Manager: Sommer Carter

PREPARATION BATCH SUMMARY EPA-8260C

Laboratory: <u>Pace Analytical - Bakersfield</u>	SDG: <u>2322252</u>
Client: <u>Ahtna Global, LLC \$AHTT</u>	Project: <u>Former USDB Lompoc</u>
Batch: <u>B179170</u> Batch Matrix: <u>Water</u>	Preparation: <u>EPA 5030 Water MS</u>

SAMPLE NAME	LAB SAMPLE ID	LAB FILE ID	DATE PREPARED	OBSERVATIONS
WR-MW-01-1123-N	2322252-01	30NOV50.D	11/30/23 11:09	Lompoc-CLP IV
WR-MW-01B-1123-N	2322252-02	30NOV51.D	11/30/23 11:09	Lompoc-CLP IV
WR-MW-02-1123-N	2322252-03	30NOV52.D	11/30/23 11:09	Lompoc-CLP IV
WR-MW-04A-1123-N	2322252-04	30NOV53.D	11/30/23 11:09	Lompoc-CLP IV
WR-MW-05A-1123-N	2322252-05	30NOV54.D	11/30/23 11:09	Lompoc-CLP IV
WR-MW-08A-1123-N	2322252-06	30NOV55.D	11/30/23 11:09	Lompoc-CLP IV
WR-MW-09A-1123-N	2322252-07	30NOV56.D	11/30/23 11:09	Lompoc-CLP IV
WR-MW-10A-1123-N	2322252-08	30NOV57.D	11/30/23 11:09	Lompoc-CLP IV
WR-MW-11A-1123-N	2322252-09	30NOV58.D	11/30/23 11:09	Lompoc-CLP IV
WR-MW-08A-1123-D	2322252-10	30NOV66.D	11/30/23 11:09	Lompoc-CLP IV
WR-MW-12A-1123-N	2322252-11	30NOV65.D	11/30/23 11:09	Lompoc-CLP IV
MW01A-1123-FB	2322252-12	30NOV67.D	11/30/23 11:09	Lompoc-CLP IV
MW12A-1123-TB	2322252-13	30NOV68.D	11/30/23 11:09	Lompoc-CLP IV
Blank	B179170-BLK1	30NOV64.D	11/30/23 11:09	
LCS	B179170-BS1	30NOV69.D	11/30/23 11:09	
LCS Dup	B179170-BSD1	30NOV70.D	11/30/23 11:09	
WR-MW-12A-1123-N	B179170-MS1	30NOV71.D	11/30/23 11:09	
WR-MW-12A-1123-N	B179170-MSD1	30NOV72.D	11/30/23 11:09	

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Project Manager: Sommer Carter

METHOD BLANK DATA SHEET EPA-8260C

Laboratory:	<u>Pace Analytical - Bakersfield</u>	SDG:	<u>2322252</u>
Client:	<u>Ahtna Global, LLC SAHTT</u>	Project:	<u>Former USDB Lompoc</u>
Matrix:	<u>Water</u>	Laboratory ID:	<u>B179170-BLK1</u>
		File ID:	<u>30NOV64.D</u>
Prepared:	<u>11/30/23 11:09</u>	Preparation:	<u>EPA 5030 Water MS</u>
		Initial/Final:	<u>25 ml / 25 ml</u>
Analyzed:	<u>12/01/23 07:31</u>	Instrument:	<u>MS-V5</u>
Batch:	<u>B179170</u>	Sequence:	<u>2317843</u>
		Calibration:	<u>2312004</u>

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
71-43-2	Benzene	0.16	0.063	0.16	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
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
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
1634-04-4	Methyl t-butyl ether	0.16	0.055	0.16	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
79-01-6	Trichloroethene	0.16	0.065	0.16	0.50	U
75-01-4	Vinyl chloride	0.16	0.097	0.16	0.50	U
1330-20-7	Total Xylenes	0.46	0.20	0.46	1.0	U
67-64-1	Acetone	8.0	3.5	8.0	10	U
78-93-3	Methyl ethyl ketone	3.0	2.1	3.0	10	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
1,2-Dichloroethane-d4 (Surrogate)	10.000	10.240	102	81 - 118	
Toluene-d8 (Surrogate)	10.000	9.9900	99.9	89 - 112	
4-Bromofluorobenzene (Surrogate)	10.000	10.330	103	85 - 114	

INTERNAL STANDARD	AREA	RT	REF AREA	REF RT	Q
Pentafluorobenzene (IS)	50930	7.5	47381	7.5	

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Project Manager: Sommer Carter

METHOD BLANK DATA SHEET
EPA-8260C

Laboratory: Pace Analytical - Bakersfield SDG: 2322252
Client: Ahtna Global, LLC SAHTT Project: Former USDB Lompoc
Matrix: Water Laboratory ID: B179170-BLK1 File ID: 30NOV64.D
Prepared: 11/30/23 11:09 Preparation: EPA 5030 Water MS Initial/Final: 25 ml / 25 ml
Analyzed: 12/01/23 07:31 Instrument: MS-V5
Batch: B179170 Sequence: 2317843 Calibration: 2312004

INTERNAL STANDARD	AREA	RT	REF AREA	REF RT	Q
Chlorobenzene-d5 (IS)	115913	10.3	111356	10.3	
1,4-Difluorobenzene (IS)	98808	8.2	93849	8.2	

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MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY
EPA-8260C

WR-MW-12A-1123-N

Laboratory: Pace Analytical - Bakersfield SDG: 2322252
Client: Ahtna Global, LLC SAHTT Project: Former USDB Lompoc
Matrix: Water
Batch: B179170 Laboratory ID: B179170-MS1
Preparation: EPA 5030 Water MS Initial/Final: 25 ml / 25 ml
Source Sample Number: 2322252-11

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC. #	QC LIMITS REC.
Benzene	25.000	ND	24.010	96.0	79 - 120
Bromodichloromethane	25.000	ND	25.050	100	79 - 125
Bromoform	25.000	ND	25.740	103	66 - 130
Chloroform	25.000	ND	24.270	97.1	79 - 124
Chloromethane	25.000	ND	26.080	104	50 - 139
Dibromochloromethane	25.000	ND	25.450	102	74 - 126
1,1-Dichloroethene	25.000	ND	25.410	102	71 - 131
cis-1,2-Dichloroethene	25.000	5.2600	28.980	94.9	78 - 123
trans-1,2-Dichloroethene	25.000	ND	24.820	99.3	75 - 124
Methyl t-butyl ether	25.000	ND	26.820	107	71 - 124
Tetrachloroethene	25.000	2.0500	27.350	101	74 - 129
Toluene	25.000	ND	24.390	97.6	80 - 121
1,1,1-Trichloroethane	25.000	ND	25.620	102	74 - 131
Trichloroethene	25.000	0.63000	25.840	101	79 - 123
Vinyl chloride	25.000	ND	27.410	110	58 - 137
Total Xylenes	75.000	ND	71.940	95.9	79 - 121
Acetone	320.00	ND	373.06	117	39 - 160
Methyl ethyl ketone	160.00	ND	176.78	110	56 - 143

COMPOUND	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC. #	% RPD #	QC LIMITS	
					RPD	REC.
Benzene	25.000	24.590	98.4	2.39	20	79 - 120
Bromodichloromethane	25.000	23.420	93.7	6.73	20	79 - 125
Bromoform	25.000	25.000	100	2.92	20	66 - 130
Chloroform	25.000	24.680	98.7	1.68	20	79 - 124
Chloromethane	25.000	26.590	106	1.94	20	50 - 139

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Project Manager: Sommer Carter

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY
EPA-8260C

WR-MW-12A-1123-N

Laboratory: Pace Analytical - Bakersfield SDG: 2322252
Client: Ahtna Global, LLC SAHTT Project: Former USDB Lompoc
Matrix: Water
Batch: B179170 Laboratory ID: B179170-MSD1
Preparation: EPA 5030 Water MS Initial/Final: 25 ml / 25 ml
Source Sample Number: 2322252-11

COMPOUND	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC. #	% RPD #	QC LIMITS	
					RPD	REC.
Dibromochloromethane	25.000	23.980	95.9	5.95	20	74 - 126
1,1-Dichloroethene	25.000	25.730	103	1.25	20	71 - 131
cis-1,2-Dichloroethene	25.000	30.150	99.6	3.96	20	78 - 123
trans-1,2-Dichloroethene	25.000	25.030	100	0.843	20	75 - 124
Methyl t-butyl ether	25.000	26.900	108	0.298	20	71 - 124
Tetrachloroethene	25.000	25.450	93.6	7.20	20	74 - 129
Toluene	25.000	22.930	91.7	6.17	20	80 - 121
1,1,1-Trichloroethane	25.000	25.540	102	0.313	20	74 - 131
Trichloroethene	25.000	24.020	93.6	7.30	20	79 - 123
Vinyl chloride	25.000	28.070	112	2.38	20	58 - 137
Total Xylenes	75.000	68.710	91.6	4.59	20	79 - 121
Acetone	320.00	380.30	119	1.92	20	39 - 160
Methyl ethyl ketone	160.00	183.09	114	3.51	20	56 - 143

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

* Values outside of QC limits

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Project Manager: Sommer Carter

LCS RECOVERY EPA-8260C

Laboratory: Pace Analytical - Bakersfield

SDG: 2322252

Client: Ahtna Global, LLC \$AHTT

Project: Former USDB Lompoc

Matrix: Water

Batch: B179170

Laboratory ID: B179170-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	23.330	93.3	79 - 120
Bromodichloromethane	25.000	22.850	91.4	79 - 125
Bromoform	25.000	23.840	95.4	66 - 130
Chloroform	25.000	23.800	95.2	79 - 124
Chloromethane	25.000	25.270	101	50 - 139
Dibromochloromethane	25.000	22.910	91.6	74 - 126
1,1-Dichloroethene	25.000	24.330	97.3	71 - 131
cis-1,2-Dichloroethene	25.000	23.290	93.2	78 - 123
trans-1,2-Dichloroethene	25.000	23.540	94.2	75 - 124
Methyl t-butyl ether	25.000	26.510	106	71 - 124
Tetrachloroethene	25.000	22.310	89.2	74 - 129
Toluene	25.000	21.900	87.6	80 - 121
1,1,1-Trichloroethane	25.000	24.280	97.1	74 - 131
Trichloroethene	25.000	22.050	88.2	79 - 123
Vinyl chloride	25.000	26.180	105	58 - 137
Total Xylenes	75.000	69.760	93.0	79 - 121
Acetone	320.00	343.32	107	39 - 160
Methyl ethyl ketone	160.00	175.30	110	56 - 143

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC. #	% RPD #	QC LIMITS	
					RPD	REC.
Benzene	25.000	21.450	85.8	8.40	20	79 - 120
Bromodichloromethane	25.000	23.550	94.2	3.02	20	79 - 125
Bromoform	25.000	23.180	92.7	2.81	20	66 - 130
Chloroform	25.000	22.080	88.3	7.50	20	79 - 124

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

Reported: 12/7/2023 8:41:11AM
Project: Former USDB Lompoc
Project Number: 21044.006.01.000
Project Manager: Sommer Carter

LCS RECOVERY EPA-8260C

Laboratory: Pace Analytical - Bakersfield

SDG: 2322252

Client: Ahtna Global, LLC \$AHTT

Project: Former USDB Lompoc

Matrix: Water

Batch: B179170

Laboratory ID: B179170-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	REC.
Chloromethane	25.000	22.920	91.7	9.75	20	50 - 139
Dibromochloromethane	25.000	24.510	98.0	6.75	20	74 - 126
1,1-Dichloroethene	25.000	22.410	89.6	8.22	20	71 - 131
cis-1,2-Dichloroethene	25.000	21.750	87.0	6.84	20	78 - 123
trans-1,2-Dichloroethene	25.000	21.600	86.4	8.60	20	75 - 124
Methyl t-butyl ether	25.000	24.580	98.3	7.56	20	71 - 124
Tetrachloroethene	25.000	23.260	93.0	4.17	20	74 - 129
Toluene	25.000	22.680	90.7	3.50	20	80 - 121
1,1,1-Trichloroethane	25.000	22.550	90.2	7.39	20	74 - 131
Trichloroethene	25.000	22.880	91.5	3.69	20	79 - 123
Vinyl chloride	25.000	23.880	95.5	9.19	20	58 - 137
Total Xylenes	75.000	66.050	88.1	5.46	20	79 - 121
Acetone	320.00	306.36	95.7	11.4	20	39 - 160
Methyl ethyl ketone	160.00	154.04	96.3	12.9	20	56 - 143

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

* Values outside of QC limits

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Project Number: 21044.006.01.000
Project Manager: Sommer Carter

ANALYSIS BATCH (SEQUENCE) SUMMARY

EPA-8260C

Laboratory:	<u>Pace Analytical - Bakersfield</u>	SDG:	<u>2322252</u>
Client:	<u>Ahtna Global, LLC SAHTT</u>	Project:	<u>Former USDB Lompoc</u>
Sequence:	<u>2317835</u>	Instrument:	<u>MS-V5</u>
Matrix:	<u>Water</u>	Calibration:	<u>2312004</u>

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
MS Tune	2317835-TUN1	26NOV05.D	11/26/23 06:44
Cal Standard	2317835-CAL1	26NOV07.D	11/26/23 07:32
Cal Standard	2317835-CAL2	26NOV08.D	11/26/23 07:56
Cal Standard	2317835-CAL3	26NOV09.D	11/26/23 08:20
Cal Standard	2317835-CAL4	26NOV10.D	11/26/23 08:43
Cal Standard	2317835-CAL5	26NOV11.D	11/26/23 09:12
Cal Standard	2317835-CAL6	26NOV12.D	11/26/23 09:36
Cal Standard	2317835-CAL7	26NOV19.D	11/26/23 12:24
Cal Standard	2317835-CAL8	26NOV20.D	11/26/23 12:48
Cal Standard	2317835-CAL9	26NOV21.D	11/26/23 13:12
Cal Standard	2317835-CALA	26NOV22.D	11/26/23 13:36
Cal Standard	2317835-CALB	26NOV23.D	11/26/23 14:00
Cal Standard	2317835-CALC	26NOV24.D	11/26/23 14:24
MS Tune	2317835-TUN2	26NOV30.D	11/26/23 16:47
Cal Standard	2317835-CALD	26NOV31.D	11/26/23 17:12
Cal Standard	2317835-CALE	26NOV32.D	11/26/23 17:36
Cal Standard	2317835-CALF	26NOV33.D	11/26/23 18:00
Cal Standard	2317835-CALG	26NOV34.D	11/26/23 18:24
Cal Standard	2317835-CALH	26NOV35.D	11/26/23 18:48
Cal Standard	2317835-CALI	26NOV36.D	11/26/23 19:12

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Project Manager: Sommer Carter

ANALYSIS BATCH (SEQUENCE) SUMMARY

EPA-8260C

Laboratory:	<u>Pace Analytical - Bakersfield</u>	SDG:	<u>2322252</u>
Client:	<u>Ahtna Global, LLC SAHTT</u>	Project:	<u>Former USDB Lompoc</u>
Sequence:	<u>2317843</u>	Instrument:	<u>MS-V5</u>
Matrix:	<u>Water</u>	Calibration:	<u>2312004</u>

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Initial Cal Check	2317843-ICV1	26NOV15.D	11/26/23 10:48
Initial Cal Blank	2317843-ICB1	26NOV17.D	11/26/23 11:36
Initial Cal Check	2317843-ICV2	26NOV27.D	11/26/23 15:36
Initial Cal Blank	2317843-ICB2	26NOV29.D	11/26/23 16:24
MS Tune	2317843-TUN1	30NOV30.D	11/30/23 17:54
Calibration Check	2317843-CCV1	30NOV31.D	11/30/23 18:19
Calibration Check	2317843-CCV2	30NOV32.D	11/30/23 18:43
Calibration Blank	2317843-CCB1	30NOV34.D	11/30/23 19:31
WR-MW-01-1123-N	2322252-01	30NOV50.D	12/01/23 01:55
WR-MW-01B-1123-N	2322252-02	30NOV51.D	12/01/23 02:19
WR-MW-02-1123-N	2322252-03	30NOV52.D	12/01/23 02:43
WR-MW-04A-1123-N	2322252-04	30NOV53.D	12/01/23 03:07
WR-MW-05A-1123-N	2322252-05	30NOV54.D	12/01/23 03:31
WR-MW-08A-1123-N	2322252-06	30NOV55.D	12/01/23 03:55
WR-MW-09A-1123-N	2322252-07	30NOV56.D	12/01/23 04:19
WR-MW-10A-1123-N	2322252-08	30NOV57.D	12/01/23 04:43
WR-MW-11A-1123-N	2322252-09	30NOV58.D	12/01/23 05:07
MS Tune	2317843-TUN2	30NOV59.D	12/01/23 05:31
Calibration Check	2317843-CCV3	30NOV60.D	12/01/23 05:55
Calibration Check	2317843-CCV4	30NOV61.D	12/01/23 06:19
Calibration Blank	2317843-CCB2	30NOV63.D	12/01/23 07:07
Blank	B179170-BLK1	30NOV64.D	12/01/23 07:31
WR-MW-12A-1123-N	2322252-11	30NOV65.D	12/01/23 07:55
WR-MW-08A-1123-D	2322252-10	30NOV66.D	12/01/23 08:19
MW01A-1123-FB	2322252-12	30NOV67.D	12/01/23 08:43
MW12A-1123-TB	2322252-13	30NOV68.D	12/01/23 09:07
LCS	B179170-BS1	30NOV69.D	12/01/23 09:31
LCS Dup	B179170-BSD1	30NOV70.D	12/01/23 09:55

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ANALYSIS BATCH (SEQUENCE) SUMMARY

EPA-8260C

Laboratory:	<u>Pace Analytical - Bakersfield</u>	SDG:	<u>2322252</u>
Client:	<u>Ahtna Global, LLC SAHTT</u>	Project:	<u>Former USDB Lompoc</u>
Sequence:	<u>2317843</u>	Instrument:	<u>MS-V5</u>
Matrix:	<u>Water</u>	Calibration:	<u>2312004</u>

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
WR-MW-12A-1123-N	B179170-MS1	30NOV71.D	12/01/23 10:19
WR-MW-12A-1123-N	B179170-MSD1	30NOV72.D	12/01/23 10:43
MS Tune	2317843-TUN3	30NOV73.D	12/01/23 11:07
Calibration Check	2317843-CCV5	30NOV74.D	12/01/23 11:31
Calibration Check	2317843-CCV6	30NOV75.D	12/01/23 11:55
Calibration Blank	2317843-CCB3	30NOV77.D	12/01/23 12:47

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 Project Manager: Sommer Carter

MASS SPECTROMETER INSTRUMENT PERFORMANCE CHECK EPA-8260C

Laboratory: <u>Pace Analytical - Bakersfield</u>	SDG: <u>2322252</u>
Client: <u>Ahtna Global, LLC SAHTT</u>	Project: <u>Former USDB Lompoc</u>
Lab File ID: <u>26NOV05.D</u>	Injection Date: <u>11/26/23</u>
Instrument ID: <u>MS-V5</u>	Injection Time: <u>06:44</u>
Sequence: <u>2317835</u>	Lab Sample ID: <u>2317835-TUN1</u>

m/z	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
Mass 50	15 - 40% of Mass 95	20.5	PASS
Mass 75	30 - 60% of Mass 95	46.1	PASS
Mass 95	Base peak, 100% relative abundance	100	PASS
Mass 96	5 - 9% of Mass 95	8.74	PASS
Mass 173	Less than 2% of Mass 174	0	PASS
Mass 174	50 - 100% of Mass 95	75.3	PASS
Mass 175	5 - 9% of Mass 174	6.67	PASS
Mass 176	95 - 101% of Mass 174	95.2	PASS
Mass 177	5 - 9% of Mass 176	6.58	PASS

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Project Manager: Sommer Carter

MASS SPECTROMETER INSTRUMENT PERFORMANCE CHECK EPA-8260C

Laboratory: <u>Pace Analytical - Bakersfield</u>	SDG: <u>2322252</u>
Client: <u>Ahtna Global, LLC \$AHTT</u>	Project: <u>Former USDB Lompoc</u>
Lab File ID: <u>26NOV30.D</u>	Injection Date: <u>11/26/23</u>
Instrument ID: <u>MS-V5</u>	Injection Time: <u>16:47</u>
Sequence: <u>2317835</u>	Lab Sample ID: <u>2317835-TUN2</u>

m/z	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
Mass 50	15 - 40% of Mass 95	21.9	PASS
Mass 75	30 - 60% of Mass 95	48.7	PASS
Mass 95	Base peak, 100% relative abundance	100	PASS
Mass 96	5 - 9% of Mass 95	7.3	PASS
Mass 173	Less than 2% of Mass 174	0	PASS
Mass 174	50 - 100% of Mass 95	71.9	PASS
Mass 175	5 - 9% of Mass 174	5.66	PASS
Mass 176	95 - 101% of Mass 174	96.5	PASS
Mass 177	5 - 9% of Mass 176	6.03	PASS

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 Project Number: 21044.006.01.000
 Project Manager: Sommer Carter

MASS SPECTROMETER INSTRUMENT PERFORMANCE CHECK EPA-8260C

Laboratory: <u>Pace Analytical - Bakersfield</u>	SDG: <u>2322252</u>
Client: <u>Ahtna Global, LLC SAHTT</u>	Project: <u>Former USDB Lompoc</u>
Lab File ID: <u>30NOV30.D</u>	Injection Date: <u>11/30/23</u>
Instrument ID: <u>MS-V5</u>	Injection Time: <u>17:54</u>
Sequence: <u>2317843</u>	Lab Sample ID: <u>2317843-TUN1</u>

m/z	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
Mass 50	15 - 40% of Mass 95	22.2	PASS
Mass 75	30 - 60% of Mass 95	53.3	PASS
Mass 95	Base peak, 100% relative abundance	100	PASS
Mass 96	5 - 9% of Mass 95	8.27	PASS
Mass 173	Less than 2% of Mass 174	0.847	PASS
Mass 174	50 - 100% of Mass 95	71.4	PASS
Mass 175	5 - 9% of Mass 174	7.78	PASS
Mass 176	95 - 101% of Mass 174	97.9	PASS
Mass 177	5 - 9% of Mass 176	7.82	PASS

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Project Manager: Sommer Carter

MASS SPECTROMETER INSTRUMENT PERFORMANCE CHECK EPA-8260C

Laboratory: <u>Pace Analytical - Bakersfield</u>	SDG: <u>2322252</u>
Client: <u>Ahtna Global, LLC \$AHTT</u>	Project: <u>Former USDB Lompoc</u>
Lab File ID: <u>30NOV59.D</u>	Injection Date: <u>12/01/23</u>
Instrument ID: <u>MS-V5</u>	Injection Time: <u>05:31</u>
Sequence: <u>2317843</u>	Lab Sample ID: <u>2317843-TUN2</u>

m/z	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
Mass 50	15 - 40% of Mass 95	18.6	PASS
Mass 75	30 - 60% of Mass 95	42.8	PASS
Mass 95	Base peak, 100% relative abundance	100	PASS
Mass 96	5 - 9% of Mass 95	7.64	PASS
Mass 173	Less than 2% of Mass 174	0	PASS
Mass 174	50 - 100% of Mass 95	76.7	PASS
Mass 175	5 - 9% of Mass 174	7.82	PASS
Mass 176	95 - 101% of Mass 174	100	PASS
Mass 177	5 - 9% of Mass 176	5.36	PASS

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Project Number: 21044.006.01.000
Project Manager: Sommer Carter

MASS SPECTROMETER INSTRUMENT PERFORMANCE CHECK

EPA-8260C

Laboratory: <u>Pace Analytical - Bakersfield</u>	SDG: <u>2322252</u>
Client: <u>Ahtna Global, LLC \$AHTT</u>	Project: <u>Former USDB Lompoc</u>
Lab File ID: <u>30NOV73.D</u>	Injection Date: <u>12/01/23</u>
Instrument ID: <u>MS-V5</u>	Injection Time: <u>11:07</u>
Sequence: <u>2317843</u>	Lab Sample ID: <u>2317843-TUN3</u>

m/z	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
Mass 50	15 - 40% of Mass 95	19.1	PASS
Mass 75	30 - 60% of Mass 95	49.2	PASS
Mass 95	Base peak, 100% relative abundance	100	PASS
Mass 96	5 - 9% of Mass 95	7.99	PASS
Mass 173	Less than 2% of Mass 174	0	PASS
Mass 174	50 - 100% of Mass 95	68.6	PASS
Mass 175	5 - 9% of Mass 174	8.08	PASS
Mass 176	95 - 101% of Mass 174	96.4	PASS
Mass 177	5 - 9% of Mass 176	7.69	PASS

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Reported: 12/7/2023 8:41:11AM
Project: Former USDB Lompoc
Project Number: 21044.006.01.000
Project Manager: Sommer Carter

CONTINUING CALIBRATION CHECK EPA-8260C

Laboratory: Pace Analytical - Bakersfield
Client: Ahtna Global, LLC SAHTT
Instrument ID: MS-V5
Lab File ID: 26NOV15.D
Sequence: 2317843
Lab Sample ID: 2317843-ICV1

SDG: 2322252
Project: Former USDB Lompoc
Calibration: 2312004
Calibration Date: 11/26/23 07:32
Injection Date: 11/26/23
Injection Time: 10:48

COMPOUND	⁽¹⁾ CAL TYPE	CONC. (ug/L)		RESPONSE FACTOR			% DIFF / DRIFT (2)	
		STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Benzene	A	25.000	22.420	11.74389	10.53077		-10.3	20
Bromodichloromethane	A	25.000	23.060	1.719963	1.586505		-7.8	20
Bromoform	A	25.000	24.060	0.3518369	0.3386029		-3.8	20
Chloroform	A	25.000	22.560	5.349269	4.828098		-9.7	20
Chloromethane	A	25.000	23.990	5.47114	5.250645		-4.0	20
Dibromochloromethane	A	25.000	23.800	0.9620397	0.9158216		-4.8	20
1,1-Dichloroethene	A	25.000	23.360	5.231802	4.889147		-6.5	20
cis-1,2-Dichloroethene	A	25.000	22.810	3.43184	3.131027		-8.8	20
trans-1,2-Dichloroethene	A	25.000	22.550	3.339718	3.01243		-9.8	20
Methyl t-butyl ether	L	25.000	24.820	5.089939	4.399596		-0.7	20
Tetrachloroethene	A	25.000	22.880	1.517938	1.389426		-8.5	20
Toluene	A	25.000	22.750	3.732471	3.396895		-9.0	20
1,1,1-Trichloroethane	A	25.000	23.360	5.146243	4.807669		-6.6	20
Trichloroethene	A	25.000	23.130	1.625525	1.504244		-7.5	20
Vinyl chloride	A	25.000	25.040	4.843505	4.851229		0.2	20
Total Xylenes	A	75.000	67.500	2.181276	1.962798		-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

Ahtna Global, LLC
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Reported: 12/7/2023 8:41:11AM
Project: Former USDB Lompoc
Project Number: 21044.006.01.000
Project Manager: Sommer Carter

CONTINUING CALIBRATION CHECK EPA-8260C

Laboratory:	<u>Pace Analytical - Bakersfield</u>	SDG:	<u>2322252</u>
Client:	<u>Ahtna Global, LLC SAHTT</u>	Project:	<u>Former USDB Lompoc</u>
Instrument ID:	<u>MS-V5</u>	Calibration:	<u>2312004</u>
Lab File ID:	<u>26NOV27.D</u>	Calibration Date:	<u>11/26/23 07:32</u>
Sequence:	<u>2317843</u>	Injection Date:	<u>11/26/23</u>
Lab Sample ID:	<u>2317843-ICV2</u>	Injection Time:	<u>15:36</u>

COMPOUND	⁽¹⁾ CAL TYPE	CONC. (ug/L)		RESPONSE FACTOR			% DIFF / DRIFT (2)	
		STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Acetone	A	320.00	306.39	0.2454301	0.2349899		-4.3	20
Methyl ethyl ketone	A	160.00	152.52	0.460704	0.4391656		-4.7	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

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Project: Former USDB Lompoc
Project Number: 21044.006.01.000
Project Manager: Sommer Carter

CONTINUING CALIBRATION CHECK EPA-8260C

Laboratory: Pace Analytical - Bakersfield

SDG: 2322252

Client: Ahtna Global, LLC SAHTT

Project: Former USDB Lompoc

Instrument ID: MS-V5

Calibration: 2312004

Lab File ID: 30NOV31.D

Calibration Date: 11/26/23 07:32

Sequence: 2317843

Injection Date: 11/30/23

Lab Sample ID: 2317843-CCV1

Injection Time: 18:19

COMPOUND	⁽¹⁾ CAL TYPE	CONC. (ug/L)		RESPONSE FACTOR			% DIFF / DRIFT (2)	
		STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Benzene	A	25.000	22.140	11.74389	10.40232		-11.4	20
Bromodichloromethane	A	25.000	23.860	1.719963	1.641318		-4.6	20
Bromoform	A	25.000	26.350	0.3518369	0.3708476		5.4	20
Chloroform	A	25.000	22.850	5.349269	4.889583		-8.6	20
Chloromethane	A	25.000	22.530	5.47114	4.931676		-9.9	20
Dibromochloromethane	A	25.000	24.430	0.9620397	0.9399253		-2.3	20
1,1-Dichloroethene	A	25.000	24.300	5.231802	5.084921		-2.8	20
cis-1,2-Dichloroethene	A	25.000	22.950	3.43184	3.150851		-8.2	20
trans-1,2-Dichloroethene	A	25.000	22.620	3.339718	3.021643		-9.5	20
Methyl t-butyl ether	L	25.000	26.440	5.089939	4.683253		5.8	20
Tetrachloroethene	A	25.000	22.820	1.517938	1.385715		-8.7	20
Toluene	A	25.000	22.080	3.732471	3.297183		-11.7	20
1,1,1-Trichloroethane	A	25.000	23.630	5.146243	4.864937		-5.5	20
Trichloroethene	A	25.000	24.200	1.625525	1.573669		-3.2	20
Vinyl chloride	A	25.000	24.170	4.843505	4.683286		-3.3	20
Total Xylenes	A	75.000	70.210	2.181276	2.041713		-6.4	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

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Reported: 12/7/2023 8:41:11AM
 Project: Former USDB Lompoc
 Project Number: 21044.006.01.000
 Project Manager: Sommer Carter

CONTINUING CALIBRATION CHECK

EPA-8260C

Laboratory:	<u>Pace Analytical - Bakersfield</u>	SDG:	<u>2322252</u>
Client:	<u>Ahtna Global, LLC SAHTT</u>	Project:	<u>Former USDB Lompoc</u>
Instrument ID:	<u>MS-V5</u>	Calibration:	<u>2312004</u>
Lab File ID:	<u>30NOV32.D</u>	Calibration Date:	<u>11/26/23 07:32</u>
Sequence:	<u>2317843</u>	Injection Date:	<u>11/30/23</u>
Lab Sample ID:	<u>2317843-CCV2</u>	Injection Time:	<u>18:43</u>

COMPOUND	⁽¹⁾ CAL TYPE	CONC. (ug/L)		RESPONSE FACTOR			% DIFF / DRIFT (2)	
		STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Acetone	A	320.00	350.27	0.2454301	0.2686497		9.5	20
Methyl ethyl ketone	A	160.00	171.30	0.460704	0.4932329		7.1	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

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

Reported: 12/7/2023 8:41:11AM
Project: Former USDB Lompoc
Project Number: 21044.006.01.000
Project Manager: Sommer Carter

CONTINUING CALIBRATION CHECK EPA-8260C

Laboratory: Pace Analytical - Bakersfield

SDG: 2322252

Client: Ahtna Global, LLC SAHTT

Project: Former USDB Lompoc

Instrument ID: MS-V5

Calibration: 2312004

Lab File ID: 30NOV60.D

Calibration Date: 11/26/23 07:32

Sequence: 2317843

Injection Date: 12/01/23

Lab Sample ID: 2317843-CCV3

Injection Time: 05:55

COMPOUND	⁽¹⁾ CAL TYPE	CONC. (ug/L)		RESPONSE FACTOR			% DIFF / DRIFT (2)	
		STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Benzene	A	25.000	22.060	11.74389	10.36235		-11.8	20
Bromodichloromethane	A	25.000	24.500	1.719963	1.685758		-2.0	20
Bromoform	A	25.000	24.130	0.3518369	0.3396448		-3.5	20
Chloroform	A	25.000	22.920	5.349269	4.905113		-8.3	20
Chloromethane	A	25.000	23.300	5.47114	5.099677		-6.8	20
Dibromochloromethane	A	25.000	24.760	0.9620397	0.9528516		-1.0	20
1,1-Dichloroethene	A	25.000	23.030	5.231802	4.819288		-7.9	20
cis-1,2-Dichloroethene	A	25.000	22.660	3.43184	3.111283		-9.3	20
trans-1,2-Dichloroethene	A	25.000	22.010	3.339718	2.940947		-11.9	20
Methyl t-butyl ether	L	25.000	26.110	5.089939	4.625197		4.4	20
Tetrachloroethene	A	25.000	23.160	1.517938	1.406013		-7.4	20
Toluene	A	25.000	22.840	3.732471	3.410242		-8.6	20
1,1,1-Trichloroethane	A	25.000	23.000	5.146243	4.734738		-8.0	20
Trichloroethene	A	25.000	23.570	1.625525	1.532232		-5.7	20
Vinyl chloride	A	25.000	24.170	4.843505	4.683352		-3.3	20
Total Xylenes	A	75.000	68.760	2.181276	1.999478		-8.3	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

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

Reported: 12/7/2023 8:41:11AM
 Project: Former USDB Lompoc
 Project Number: 21044.006.01.000
 Project Manager: Sommer Carter

CONTINUING CALIBRATION CHECK

EPA-8260C

Laboratory:	<u>Pace Analytical - Bakersfield</u>	SDG:	<u>2322252</u>
Client:	<u>Ahtna Global, LLC SAHTT</u>	Project:	<u>Former USDB Lompoc</u>
Instrument ID:	<u>MS-V5</u>	Calibration:	<u>2312004</u>
Lab File ID:	<u>30NOV61.D</u>	Calibration Date:	<u>11/26/23 07:32</u>
Sequence:	<u>2317843</u>	Injection Date:	<u>12/01/23</u>
Lab Sample ID:	<u>2317843-CCV4</u>	Injection Time:	<u>06:19</u>

COMPOUND	⁽¹⁾ CAL TYPE	CONC. (ug/L)		RESPONSE FACTOR			% DIFF / DRIFT (2)	
		STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Acetone	A	320.00	324.39	0.2454301	0.248799		1.4	20
Methyl ethyl ketone	A	160.00	163.19	0.460704	0.4698917		2.0	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

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

Reported: 12/7/2023 8:41:11AM
Project: Former USDB Lompoc
Project Number: 21044.006.01.000
Project Manager: Sommer Carter

CONTINUING CALIBRATION CHECK EPA-8260C

Laboratory: Pace Analytical - Bakersfield

SDG: 2322252

Client: Ahtna Global, LLC SAHTT

Project: Former USDB Lompoc

Instrument ID: MS-V5

Calibration: 2312004

Lab File ID: 30NOV74.D

Calibration Date: 11/26/23 07:32

Sequence: 2317843

Injection Date: 12/01/23

Lab Sample ID: 2317843-CCV5

Injection Time: 11:31

COMPOUND	⁽¹⁾ CAL TYPE	CONC. (ug/L)		RESPONSE FACTOR			% DIFF / DRIFT (2)	
		STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Benzene	A	25.000	23.500	11.74389	11.0413		-6.0	20
Bromodichloromethane	A	25.000	24.560	1.719963	16474.44		958000	20 *
Bromoform	A	25.000	23.010	0.3518369	0.3238719		-7.9	20
Chloroform	A	25.000	24.090	5.349269	5.155005		-3.6	20
Chloromethane	A	25.000	24.930	5.47114	5.456826		-0.3	20
Dibromochloromethane	A	25.000	24.170	0.9620397	9066		942000	20 *
1,1-Dichloroethene	A	25.000	25.000	5.231802	5.232702		0.02	20
cis-1,2-Dichloroethene	A	25.000	24.080	3.43184	3.30504		-3.7	20
trans-1,2-Dichloroethene	A	25.000	24.440	3.339718	3.265445		-2.2	20
Methyl t-butyl ether	L	25.000	24.920	5.089939	4.416751		-0.3	20
Tetrachloroethene	A	25.000	24.620	1.517938	14575.32		960000	20 *
Toluene	A	25.000	23.900	3.732471	34791.88		932000	20 *
1,1,1-Trichloroethane	A	25.000	24.820	5.146243	5.109069		-0.7	20
Trichloroethene	A	25.000	24.800	1.625525	15717.32		967000	20 *
Vinyl chloride	A	25.000	26.360	4.843505	5.106931		5.4	20
Total Xylenes	A	75.000	71.930	2.181276	2.091887		-4.1	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

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

Reported: 12/7/2023 8:41:11AM
Project: Former USDB Lompoc
Project Number: 21044.006.01.000
Project Manager: Sommer Carter

CONTINUING CALIBRATION CHECK EPA-8260C

Laboratory: <u>Pace Analytical - Bakersfield</u>	SDG: <u>2322252</u>
Client: <u>Ahtna Global, LLC SAHTT</u>	Project: <u>Former USDB Lompoc</u>
Instrument ID: <u>MS-V5</u>	Calibration: <u>2312004</u>
Lab File ID: <u>30NOV75.D</u>	Calibration Date: <u>11/26/23 07:32</u>
Sequence: <u>2317843</u>	Injection Date: <u>12/01/23</u>
Lab Sample ID: <u>2317843-CCV6</u>	Injection Time: <u>11:55</u>

COMPOUND	⁽¹⁾ CAL TYPE	CONC. (ug/L)		RESPONSE FACTOR			% DIFF / DRIFT (2)	
		STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Acetone	A	320.00	313.37	0.2454301	0.2403467		-2.1	20
Methyl ethyl ketone	A	160.00	154.94	0.460704	0.4461222		-3.2	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

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

Reported: 12/7/2023 8:41:11AM
Project: Former USDB Lompoc
Project Number: 21044.006.01.000
Project Manager: Sommer Carter

SURROGATE STANDARD RECOVERY AND RT SUMMARY

EPA-8260C

Laboratory: Pace Analytical - Bakersfield
Client: Ahtna Global, LLC \$AHTT
Sequence: 2317835
Matrix: Water

SDG: 2322252
Project: Former USDB Lompoc
Instrument: MS-V5
Calibration: 2312004

Surrogate Compound	Spike Level ug/L	% Recovery	Recovery Limits	RT	Calibration Mean RT	RT Diff	RT Diff Limit	Q
Cal Standard (2317835-CAL1)				Lab File ID: 26NOV07.D		Analyzed: 11/26/23 07:32		
1,2-Dichloroethane-d4 (Surrogate)	10.000	117		7.8	7.8	0.0000	+/-1.0	
Toluene-d8 (Surrogate)	10.000	88.5		9.33	9.33	0.0000	+/-1.0	
4-Bromofluorobenzene (Surrogate)	10.000	110		11.01	11.00833	0.0017	+/-1.0	
Cal Standard (2317835-CAL2)				Lab File ID: 26NOV08.D		Analyzed: 11/26/23 07:56		
1,2-Dichloroethane-d4 (Surrogate)	10.000	124		7.8	7.8	0.0000	+/-1.0	
Toluene-d8 (Surrogate)	10.000	89.5		9.33	9.33	0.0000	+/-1.0	
4-Bromofluorobenzene (Surrogate)	10.000	110		11.01	11.00833	0.0017	+/-1.0	
Cal Standard (2317835-CAL3)				Lab File ID: 26NOV09.D		Analyzed: 11/26/23 08:20		
1,2-Dichloroethane-d4 (Surrogate)	10.000	119		7.8	7.8	0.0000	+/-1.0	
Toluene-d8 (Surrogate)	10.000	89.6		9.33	9.33	0.0000	+/-1.0	
4-Bromofluorobenzene (Surrogate)	10.000	110		11	11.00833	-0.0083	+/-1.0	
Cal Standard (2317835-CAL4)				Lab File ID: 26NOV10.D		Analyzed: 11/26/23 08:43		
1,2-Dichloroethane-d4 (Surrogate)	10.000	130		7.8	7.8	0.0000	+/-1.0	
Toluene-d8 (Surrogate)	10.000	115		9.33	9.33	0.0000	+/-1.0	
4-Bromofluorobenzene (Surrogate)	10.000	101		11.01	11.00833	0.0017	+/-1.0	
Cal Standard (2317835-CAL5)				Lab File ID: 26NOV11.D		Analyzed: 11/26/23 09:12		
1,2-Dichloroethane-d4 (Surrogate)	10.000	126		7.8	7.8	0.0000	+/-1.0	
Toluene-d8 (Surrogate)	10.000	90.5		9.33	9.33	0.0000	+/-1.0	
4-Bromofluorobenzene (Surrogate)	10.000	112		11.01	11.00833	0.0017	+/-1.0	
Cal Standard (2317835-CAL6)				Lab File ID: 26NOV12.D		Analyzed: 11/26/23 09:36		
1,2-Dichloroethane-d4 (Surrogate)	10.000	124		7.8	7.8	0.0000	+/-1.0	
Toluene-d8 (Surrogate)	10.000	87.3		9.33	9.33	0.0000	+/-1.0	
4-Bromofluorobenzene (Surrogate)	10.000	116		11.01	11.00833	0.0017	+/-1.0	

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

Reported: 12/7/2023 8:41:11AM
Project: Former USDB Lompoc
Project Number: 21044.006.01.000
Project Manager: Sommer Carter

SURROGATE STANDARD RECOVERY AND RT SUMMARY EPA-8260C

Laboratory: <u>Pace Analytical - Bakersfield</u>	SDG: <u>2322252</u>
Client: <u>Ahtna Global, LLC \$AHTT</u>	Project: <u>Former USDB Lompoc</u>
Sequence: <u>2317843</u>	Instrument: <u>MS-V5</u>
Matrix: <u>Water</u>	Calibration: <u>2312004</u>

Surrogate Compound	Spike Level ug/L	% Recovery	Recovery Limits	RT	Calibration Mean RT	RT Diff	RT Diff Limit	Q
Initial Cal Check (2317843-ICV1)			Lab File ID: 26NOV15.D		Analyzed: 11/26/23 10:48			
1,2-Dichloroethane-d4 (Surrogate)	10.000	100	80 - 120	7.8	7.8	0.0000	+/-1.0	
Toluene-d8 (Surrogate)	10.000	99.0	80 - 120	9.33	9.33	0.0000	+/-1.0	
4-Bromofluorobenzene (Surrogate)	10.000	101	80 - 120	11.01	11.00833	0.0017	+/-1.0	
Initial Cal Blank (2317843-ICB1)			Lab File ID: 26NOV17.D		Analyzed: 11/26/23 11:36			
1,2-Dichloroethane-d4 (Surrogate)	10.000	98.9	81 - 118	7.8	7.8	0.0000	+/-1.0	
Toluene-d8 (Surrogate)	10.000	99.8	89 - 112	9.33	9.33	0.0000	+/-1.0	
4-Bromofluorobenzene (Surrogate)	10.000	102	85 - 114	11.01	11.00833	0.0017	+/-1.0	
Initial Cal Blank (2317843-ICB2)			Lab File ID: 26NOV29.D		Analyzed: 11/26/23 16:24			
4-Bromofluorobenzene (Surrogate)	10.000		85 - 114		11.00833	Null Found	+/-1.0	*
Calibration Check (2317843-CCV1)			Lab File ID: 30NOV31.D		Analyzed: 11/30/23 18:19			
1,2-Dichloroethane-d4 (Surrogate)	10.000	107	80 - 120	7.81	7.8	0.0100	+/-1.0	
Toluene-d8 (Surrogate)	10.000	94.3	80 - 120	9.33	9.33	0.0000	+/-1.0	
4-Bromofluorobenzene (Surrogate)	10.000	103	80 - 120	11.01	11.00833	0.0017	+/-1.0	
Calibration Blank (2317843-CCB1)			Lab File ID: 30NOV34.D		Analyzed: 11/30/23 19:31			
1,2-Dichloroethane-d4 (Surrogate)	10.000	108	81 - 118	7.8	7.8	0.0000	+/-1.0	
Toluene-d8 (Surrogate)	10.000	98.1	89 - 112	9.33	9.33	0.0000	+/-1.0	
4-Bromofluorobenzene (Surrogate)	10.000	100	85 - 114	11.01	11.00833	0.0017	+/-1.0	
WR-MW-01-1123-N (2322252-01)			Lab File ID: 30NOV50.D		Analyzed: 12/01/23 01:55			
1,2-Dichloroethane-d4 (Surrogate)	10.000	111	81 - 118	7.8	7.8	0.0000	+/-1.0	
Toluene-d8 (Surrogate)	10.000	97.5	89 - 112	9.33	9.33	0.0000	+/-1.0	
4-Bromofluorobenzene (Surrogate)	10.000	101	85 - 114	11.01	11.00833	0.0017	+/-1.0	
WR-MW-01B-1123-N (2322252-02)			Lab File ID: 30NOV51.D		Analyzed: 12/01/23 02:19			
1,2-Dichloroethane-d4 (Surrogate)	10.000	102	81 - 118	7.8	7.8	0.0000	+/-1.0	
Toluene-d8 (Surrogate)	10.000	99.3	89 - 112	9.33	9.33	0.0000	+/-1.0	
4-Bromofluorobenzene (Surrogate)	10.000	97.8	85 - 114	11.01	11.00833	0.0017	+/-1.0	

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

Reported: 12/7/2023 8:41:11AM
Project: Former USDB Lompoc
Project Number: 21044.006.01.000
Project Manager: Sommer Carter

SURROGATE STANDARD RECOVERY AND RT SUMMARY EPA-8260C

Laboratory: Pace Analytical - Bakersfield

SDG: 2322252

Client: Ahtna Global, LLC \$AHTT

Project: Former USDB Lompoc

Sequence: 2317843

Instrument: MS-V5

Matrix: Water

Calibration: 2312004

Surrogate Compound	Spike Level ug/L	% Recovery	Recovery Limits	RT	Calibration Mean RT	RT Diff	RT Diff Limit	Q
WR-MW-02-1123-N (2322252-03)			Lab File ID: 30NOV52.D		Analyzed: 12/01/23 02:43			
1,2-Dichloroethane-d4 (Surrogate)	10.000	103	81 - 118	7.8	7.8	0.0000	+/-1.0	
Toluene-d8 (Surrogate)	10.000	101	89 - 112	9.33	9.33	0.0000	+/-1.0	
4-Bromofluorobenzene (Surrogate)	10.000	102	85 - 114	11.01	11.00833	0.0017	+/-1.0	
WR-MW-04A-1123-N (2322252-04)			Lab File ID: 30NOV53.D		Analyzed: 12/01/23 03:07			
1,2-Dichloroethane-d4 (Surrogate)	10.000	109	81 - 118	7.8	7.8	0.0000	+/-1.0	
Toluene-d8 (Surrogate)	10.000	96.9	89 - 112	9.33	9.33	0.0000	+/-1.0	
4-Bromofluorobenzene (Surrogate)	10.000	100	85 - 114	11.01	11.00833	0.0017	+/-1.0	
WR-MW-05A-1123-N (2322252-05)			Lab File ID: 30NOV54.D		Analyzed: 12/01/23 03:31			
1,2-Dichloroethane-d4 (Surrogate)	10.000	109	81 - 118	7.8	7.8	0.0000	+/-1.0	
Toluene-d8 (Surrogate)	10.000	94.7	89 - 112	9.33	9.33	0.0000	+/-1.0	
4-Bromofluorobenzene (Surrogate)	10.000	99.7	85 - 114	11.01	11.00833	0.0017	+/-1.0	
WR-MW-08A-1123-N (2322252-06)			Lab File ID: 30NOV55.D		Analyzed: 12/01/23 03:55			
1,2-Dichloroethane-d4 (Surrogate)	10.000	106	81 - 118	7.8	7.8	0.0000	+/-1.0	
Toluene-d8 (Surrogate)	10.000	96.2	89 - 112	9.33	9.33	0.0000	+/-1.0	
4-Bromofluorobenzene (Surrogate)	10.000	99.6	85 - 114	11.01	11.00833	0.0017	+/-1.0	
WR-MW-09A-1123-N (2322252-07)			Lab File ID: 30NOV56.D		Analyzed: 12/01/23 04:19			
1,2-Dichloroethane-d4 (Surrogate)	10.000	112	81 - 118	7.8	7.8	0.0000	+/-1.0	
Toluene-d8 (Surrogate)	10.000	99.0	89 - 112	9.33	9.33	0.0000	+/-1.0	
4-Bromofluorobenzene (Surrogate)	10.000	102	85 - 114	11.01	11.00833	0.0017	+/-1.0	
WR-MW-10A-1123-N (2322252-08)			Lab File ID: 30NOV57.D		Analyzed: 12/01/23 04:43			
1,2-Dichloroethane-d4 (Surrogate)	10.000	105	81 - 118	7.8	7.8	0.0000	+/-1.0	
Toluene-d8 (Surrogate)	10.000	96.3	89 - 112	9.33	9.33	0.0000	+/-1.0	
4-Bromofluorobenzene (Surrogate)	10.000	101	85 - 114	11.01	11.00833	0.0017	+/-1.0	
WR-MW-11A-1123-N (2322252-09)			Lab File ID: 30NOV58.D		Analyzed: 12/01/23 05:07			
1,2-Dichloroethane-d4 (Surrogate)	10.000	107	81 - 118	7.8	7.8	0.0000	+/-1.0	
Toluene-d8 (Surrogate)	10.000	99.3	89 - 112	9.33	9.33	0.0000	+/-1.0	
4-Bromofluorobenzene (Surrogate)	10.000	102	85 - 114	11.01	11.00833	0.0017	+/-1.0	

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

Reported: 12/7/2023 8:41:11AM
Project: Former USDB Lompoc
Project Number: 21044.006.01.000
Project Manager: Sommer Carter

SURROGATE STANDARD RECOVERY AND RT SUMMARY EPA-8260C

Laboratory: <u>Pace Analytical - Bakersfield</u>	SDG: <u>2322252</u>
Client: <u>Ahtna Global, LLC \$AHTT</u>	Project: <u>Former USDB Lompoc</u>
Sequence: <u>2317843</u>	Instrument: <u>MS-V5</u>
Matrix: <u>Water</u>	Calibration: <u>2312004</u>

Surrogate Compound	Spike Level ug/L	% Recovery	Recovery Limits	RT	Calibration Mean RT	RT Diff	RT Diff Limit	Q
Calibration Check (2317843-CCV3)			Lab File ID: 30NOV60.D		Analyzed: 12/01/23 05:55			
1,2-Dichloroethane-d4 (Surrogate)	10.000	106	80 - 120	7.8	7.8	0.0000	+/-1.0	
Toluene-d8 (Surrogate)	10.000	102	80 - 120	9.33	9.33	0.0000	+/-1.0	
4-Bromofluorobenzene (Surrogate)	10.000	99.9	80 - 120	11.01	11.00833	0.0017	+/-1.0	
Calibration Blank (2317843-CCB2)			Lab File ID: 30NOV63.D		Analyzed: 12/01/23 07:07			
1,2-Dichloroethane-d4 (Surrogate)	10.000	105	81 - 118	7.81	7.8	0.0100	+/-1.0	
Toluene-d8 (Surrogate)	10.000	99.2	89 - 112	9.33	9.33	0.0000	+/-1.0	
4-Bromofluorobenzene (Surrogate)	10.000	101	85 - 114	11	11.00833	-0.0083	+/-1.0	
Blank (B179170-BLK1)			Lab File ID: 30NOV64.D		Analyzed: 12/01/23 07:31			
1,2-Dichloroethane-d4 (Surrogate)	10.000	102	81 - 118	7.81	7.8	0.0100	+/-1.0	
Toluene-d8 (Surrogate)	10.000	99.9	89 - 112	9.33	9.33	0.0000	+/-1.0	
4-Bromofluorobenzene (Surrogate)	10.000	103	85 - 114	11	11.00833	-0.0083	+/-1.0	
WR-MW-12A-1123-N (2322252-11)			Lab File ID: 30NOV65.D		Analyzed: 12/01/23 07:55			
1,2-Dichloroethane-d4 (Surrogate)	10.000	104	81 - 118	7.8	7.8	0.0000	+/-1.0	
Toluene-d8 (Surrogate)	10.000	97.1	89 - 112	9.33	9.33	0.0000	+/-1.0	
4-Bromofluorobenzene (Surrogate)	10.000	101	85 - 114	11.01	11.00833	0.0017	+/-1.0	
WR-MW-08A-1123-D (2322252-10)			Lab File ID: 30NOV66.D		Analyzed: 12/01/23 08:19			
1,2-Dichloroethane-d4 (Surrogate)	10.000	104	81 - 118	7.8	7.8	0.0000	+/-1.0	
Toluene-d8 (Surrogate)	10.000	96.4	89 - 112	9.33	9.33	0.0000	+/-1.0	
4-Bromofluorobenzene (Surrogate)	10.000	102	85 - 114	11.01	11.00833	0.0017	+/-1.0	
MW01A-1123-FB (2322252-12)			Lab File ID: 30NOV67.D		Analyzed: 12/01/23 08:43			
1,2-Dichloroethane-d4 (Surrogate)	10.000	105	81 - 118	7.8	7.8	0.0000	+/-1.0	
Toluene-d8 (Surrogate)	10.000	99.9	89 - 112	9.33	9.33	0.0000	+/-1.0	
4-Bromofluorobenzene (Surrogate)	10.000	96.1	85 - 114	11.01	11.00833	0.0017	+/-1.0	
MW12A-1123-TB (2322252-13)			Lab File ID: 30NOV68.D		Analyzed: 12/01/23 09:07			
1,2-Dichloroethane-d4 (Surrogate)	10.000	111	81 - 118	7.8	7.8	0.0000	+/-1.0	
Toluene-d8 (Surrogate)	10.000	97.2	89 - 112	9.33	9.33	0.0000	+/-1.0	
4-Bromofluorobenzene (Surrogate)	10.000	102	85 - 114	11.01	11.00833	0.0017	+/-1.0	

Ahtna Global, LLC
110 W. 38th Ave, Suite 200A
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Reported: 12/7/2023 8:41:11AM
Project: Former USDB Lompoc
Project Number: 21044.006.01.000
Project Manager: Sommer Carter

SURROGATE STANDARD RECOVERY AND RT SUMMARY EPA-8260C

Laboratory: Pace Analytical - Bakersfield

SDG: 2322252

Client: Ahtna Global, LLC \$AHTT

Project: Former USDB Lompoc

Sequence: 2317843

Instrument: MS-V5

Matrix: Water

Calibration: 2312004

Surrogate Compound	Spike Level ug/L	% Recovery	Recovery Limits	RT	Calibration Mean RT	RT Diff	RT Diff Limit	Q
LCS (B179170-BS1)			Lab File ID: 30NOV69.D		Analyzed: 12/01/23 09:31			
1,2-Dichloroethane-d4 (Surrogate)	10.000	106	81 - 118	7.8	7.8	0.0000	+/-1.0	
Toluene-d8 (Surrogate)	10.000	95.6	89 - 112	9.33	9.33	0.0000	+/-1.0	
4-Bromofluorobenzene (Surrogate)	10.000	103	85 - 114	11.01	11.00833	0.0017	+/-1.0	
LCS Dup (B179170-BSD1)			Lab File ID: 30NOV70.D		Analyzed: 12/01/23 09:55			
1,2-Dichloroethane-d4 (Surrogate)	10.000	99.9	81 - 118	7.8	7.8	0.0000	+/-1.0	
Toluene-d8 (Surrogate)	10.000	96.8	89 - 112	9.33	9.33	0.0000	+/-1.0	
4-Bromofluorobenzene (Surrogate)	10.000	101	85 - 114	11.01	11.00833	0.0017	+/-1.0	
Matrix Spike (B179170-MS1)			Lab File ID: 30NOV71.D		Analyzed: 12/01/23 10:19			
1,2-Dichloroethane-d4 (Surrogate)	10.000	107	81 - 118	7.8	7.8	0.0000	+/-1.0	
Toluene-d8 (Surrogate)	10.000	97.5	89 - 112	9.33	9.33	0.0000	+/-1.0	
4-Bromofluorobenzene (Surrogate)	10.000	98.8	85 - 114	11.01	11.00833	0.0017	+/-1.0	
Matrix Spike Dup (B179170-MSD1)			Lab File ID: 30NOV72.D		Analyzed: 12/01/23 10:43			
1,2-Dichloroethane-d4 (Surrogate)	10.000	112	81 - 118	7.8	7.8	0.0000	+/-1.0	
Toluene-d8 (Surrogate)	10.000	95.8	89 - 112	9.33	9.33	0.0000	+/-1.0	
4-Bromofluorobenzene (Surrogate)	10.000	98.3	85 - 114	11.01	11.00833	0.0017	+/-1.0	
Calibration Check (2317843-CCV5)			Lab File ID: 30NOV74.D		Analyzed: 12/01/23 11:31			
1,2-Dichloroethane-d4 (Surrogate)	10.000	101	80 - 120	7.8	7.8	0.0000	+/-1.0	
Toluene-d8 (Surrogate)	10.000	100	80 - 120	9.33	9.33	0.0000	+/-1.0	
4-Bromofluorobenzene (Surrogate)	10.000	100	80 - 120	11.01	11.00833	0.0017	+/-1.0	
Calibration Blank (2317843-CCB3)			Lab File ID: 30NOV77.D		Analyzed: 12/01/23 12:47			
1,2-Dichloroethane-d4 (Surrogate)	10.000	104	81 - 118	7.8	7.8	0.0000	+/-1.0	
Toluene-d8 (Surrogate)	10.000	96.2	89 - 112	9.33	9.33	0.0000	+/-1.0	
4-Bromofluorobenzene (Surrogate)	10.000	100	85 - 114	11	11.00833	-0.0083	+/-1.0	

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Project: Former USDB Lompoc
Project Number: 21044.006.01.000
Project Manager: Sommer Carter

INTERNAL STANDARD AREA AND RT SUMMARY EPA-8260C

Laboratory: <u>Pace Analytical - Bakersfield</u>	SDG: <u>2322252</u>
Client: <u>Ahtna Global, LLC \$AHTT</u>	Project: <u>Former USDB Lompoc</u>
Sequence: <u>2317835</u>	Instrument: <u>MS-V5</u>
Matrix: <u>Water</u>	Calibration: <u>2312004</u>

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
Cal Standard (2317835-CAL1)			Lab File ID: 26NOV07.D			Analyzed: 11/26/23 07:32			
Pentafluorobenzene (IS)	48388	7.5	47381	7.5	102	50 - 200	0.0000	+/-0.50	
Chlorobenzene-d5 (IS)	111826	10.3	111356	10.3	100	50 - 200	0.0000	+/-0.50	
1,4-Difluorobenzene (IS)	93338	8.19	93849	8.2	99	50 - 200	-0.0100	+/-0.50	
Cal Standard (2317835-CAL2)			Lab File ID: 26NOV08.D			Analyzed: 11/26/23 07:56			
Pentafluorobenzene (IS)	47460	7.5	47381	7.5	100	50 - 200	0.0000	+/-0.50	
Chlorobenzene-d5 (IS)	112253	10.3	111356	10.3	101	50 - 200	0.0000	+/-0.50	
1,4-Difluorobenzene (IS)	95253	8.2	93849	8.2	101	50 - 200	0.0000	+/-0.50	
Cal Standard (2317835-CAL3)			Lab File ID: 26NOV09.D			Analyzed: 11/26/23 08:20			
Pentafluorobenzene (IS)	49754	7.5	47381	7.5	105	50 - 200	0.0000	+/-0.50	
Chlorobenzene-d5 (IS)	110349	10.3	111356	10.3	99	50 - 200	0.0000	+/-0.50	
1,4-Difluorobenzene (IS)	94034	8.2	93849	8.2	100	50 - 200	0.0000	+/-0.50	
Cal Standard (2317835-CAL4)			Lab File ID: 26NOV10.D			Analyzed: 11/26/23 08:43			
Pentafluorobenzene (IS)	43951	7.5	47381	7.5	93	50 - 200	0.0000	+/-0.50	
Chlorobenzene-d5 (IS)	108699	10.3	111356	10.3	98	50 - 200	0.0000	+/-0.50	
1,4-Difluorobenzene (IS)	91327	8.2	93849	8.2	97	50 - 200	0.0000	+/-0.50	
Cal Standard (2317835-CAL5)			Lab File ID: 26NOV11.D			Analyzed: 11/26/23 09:12			
Pentafluorobenzene (IS)	47381	7.5	47381	7.5	100	50 - 200	0.0000	+/-0.50	
Chlorobenzene-d5 (IS)	111356	10.3	111356	10.3	100	50 - 200	0.0000	+/-0.50	
1,4-Difluorobenzene (IS)	93849	8.2	93849	8.2	100	50 - 200	0.0000	+/-0.50	
Cal Standard (2317835-CAL6)			Lab File ID: 26NOV12.D			Analyzed: 11/26/23 09:36			
Pentafluorobenzene (IS)	46424	7.5	47381	7.5	98	50 - 200	0.0000	+/-0.50	
Chlorobenzene-d5 (IS)	113455	10.3	111356	10.3	102	50 - 200	0.0000	+/-0.50	
1,4-Difluorobenzene (IS)	97605	8.19	93849	8.2	104	50 - 200	-0.0100	+/-0.50	
Cal Standard (2317835-CAL7)			Lab File ID: 26NOV19.D			Analyzed: 11/26/23 12:24			
Pentafluorobenzene (IS)	48014	7.5	47381	7.5	101	50 - 200	0.0000	+/-0.50	
Chlorobenzene-d5 (IS)	111227	10.3	111356	10.3	100	50 - 200	0.0000	+/-0.50	
1,4-Difluorobenzene (IS)	94978	8.2	93849	8.2	101	50 - 200	0.0000	+/-0.50	

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Project: Former USDB Lompoc
Project Number: 21044.006.01.000
Project Manager: Sommer Carter

INTERNAL STANDARD AREA AND RT SUMMARY EPA-8260C

Laboratory: <u>Pace Analytical - Bakersfield</u>	SDG: <u>2322252</u>
Client: <u>Ahtna Global, LLC \$AHTT</u>	Project: <u>Former USDB Lompoc</u>
Sequence: <u>2317835</u>	Instrument: <u>MS-V5</u>
Matrix: <u>Water</u>	Calibration: <u>2312004</u>

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
Cal Standard (2317835-CAL8)			Lab File ID: 26NOV20.D			Analyzed: 11/26/23 12:48			
Pentafluorobenzene (IS)	48805	7.5	47381	7.5	103	50 - 200	0.0000	+/-0.50	
Chlorobenzene-d5 (IS)	109191	10.3	111356	10.3	98	50 - 200	0.0000	+/-0.50	
1,4-Difluorobenzene (IS)	93589	8.2	93849	8.2	100	50 - 200	0.0000	+/-0.50	
Cal Standard (2317835-CAL9)			Lab File ID: 26NOV21.D			Analyzed: 11/26/23 13:12			
Pentafluorobenzene (IS)	45827	7.5	47381	7.5	97	50 - 200	0.0000	+/-0.50	
Chlorobenzene-d5 (IS)	112055	10.3	111356	10.3	101	50 - 200	0.0000	+/-0.50	
1,4-Difluorobenzene (IS)	91923	8.19	93849	8.2	98	50 - 200	-0.0100	+/-0.50	
Cal Standard (2317835-CALA)			Lab File ID: 26NOV22.D			Analyzed: 11/26/23 13:36			
Pentafluorobenzene (IS)	48196	7.5	47381	7.5	102	50 - 200	0.0000	+/-0.50	
Chlorobenzene-d5 (IS)	112823	10.3	111356	10.3	101	50 - 200	0.0000	+/-0.50	
1,4-Difluorobenzene (IS)	94595	8.2	93849	8.2	101	50 - 200	0.0000	+/-0.50	
Cal Standard (2317835-CALB)			Lab File ID: 26NOV23.D			Analyzed: 11/26/23 14:00			
Pentafluorobenzene (IS)	45738	7.5	47381	7.5	97	50 - 200	0.0000	+/-0.50	
Chlorobenzene-d5 (IS)	110455	10.3	111356	10.3	99	50 - 200	0.0000	+/-0.50	
1,4-Difluorobenzene (IS)	94360	8.2	93849	8.2	101	50 - 200	0.0000	+/-0.50	
Cal Standard (2317835-CALC)			Lab File ID: 26NOV24.D			Analyzed: 11/26/23 14:24			
Pentafluorobenzene (IS)	49789	7.5	47381	7.5	105	50 - 200	0.0000	+/-0.50	
Chlorobenzene-d5 (IS)	111902	10.3	111356	10.3	100	50 - 200	0.0000	+/-0.50	
1,4-Difluorobenzene (IS)	93390	8.2	93849	8.2	100	50 - 200	0.0000	+/-0.50	
Cal Standard (2317835-CALD)			Lab File ID: 26NOV31.D			Analyzed: 11/26/23 17:12			
Pentafluorobenzene (IS)	47626	7.5	47381	7.5	101	50 - 200	0.0000	+/-0.50	
Cal Standard (2317835-CALE)			Lab File ID: 26NOV32.D			Analyzed: 11/26/23 17:36			
Pentafluorobenzene (IS)	47709	7.5	47381	7.5	101	50 - 200	0.0000	+/-0.50	
Cal Standard (2317835-CALF)			Lab File ID: 26NOV33.D			Analyzed: 11/26/23 18:00			
Pentafluorobenzene (IS)	48188	7.5	47381	7.5	102	50 - 200	0.0000	+/-0.50	
Cal Standard (2317835-CALG)			Lab File ID: 26NOV34.D			Analyzed: 11/26/23 18:24			
Pentafluorobenzene (IS)	47735	7.5	47381	7.5	101	50 - 200	0.0000	+/-0.50	
Cal Standard (2317835-CALH)			Lab File ID: 26NOV35.D			Analyzed: 11/26/23 18:48			
Pentafluorobenzene (IS)	44107	7.5	47381	7.5	93	50 - 200	0.0000	+/-0.50	

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 110 W. 38th Ave, Suite 200A
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 Project: Former USDB Lompoc
 Project Number: 21044.006.01.000
 Project Manager: Sommer Carter

INTERNAL STANDARD AREA AND RT SUMMARY
EPA-8260C

Laboratory:	<u>Pace Analytical - Bakersfield</u>	SDG:	<u>2322252</u>
Client:	<u>Ahtna Global, LLC \$AHTT</u>	Project:	<u>Former USDB Lompoc</u>
Sequence:	<u>2317835</u>	Instrument:	<u>MS-V5</u>
Matrix:	<u>Water</u>	Calibration:	<u>2312004</u>

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
Cal Standard (2317835-CALI)			Lab File ID: 26NOV36.D			Analyzed: 11/26/23 19:12			
Pentafluorobenzene (IS)	45988	7.5	47381	7.5	97	50 - 200	0.0000	+/-0.50	

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INTERNAL STANDARD AREA AND RT SUMMARY EPA-8260C

Laboratory: <u>Pace Analytical - Bakersfield</u>	SDG: <u>2322252</u>
Client: <u>Ahtna Global, LLC \$AHTT</u>	Project: <u>Former USDB Lompoc</u>
Sequence: <u>2317843</u>	Instrument: <u>MS-V5</u>
Matrix: <u>Water</u>	Calibration: <u>2312004</u>

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
Initial Cal Check (2317843-ICV1)			Lab File ID: 26NOV15.D			Analyzed: 11/26/23 10:48			
Pentafluorobenzene (IS)	48558	7.5	47381	7.5	102	50 - 200	0.0000	+/-0.50	
Chlorobenzene-d5 (IS)	115113	10.3	111356	10.3	103	50 - 200	0.0000	+/-0.50	
1,4-Difluorobenzene (IS)	97961	8.19	93849	8.2	104	50 - 200	-0.0100	+/-0.50	
Initial Cal Blank (2317843-ICB1)			Lab File ID: 26NOV17.D			Analyzed: 11/26/23 11:36			
Pentafluorobenzene (IS)	49043	7.5	47381	7.5	104	50 - 200	0.0000	+/-0.50	
Chlorobenzene-d5 (IS)	110286	10.3	111356	10.3	99	50 - 200	0.0000	+/-0.50	
1,4-Difluorobenzene (IS)	95965	8.2	93849	8.2	102	50 - 200	0.0000	+/-0.50	
Initial Cal Check (2317843-ICV2)			Lab File ID: 26NOV27.D			Analyzed: 11/26/23 15:36			
Pentafluorobenzene (IS)	46981	7.5	47381	7.5	99	50 - 200	0.0000	+/-0.50	
Chlorobenzene-d5 (IS)	110751	10.3	111356	10.3	99	50 - 200	0.0000	+/-0.50	
1,4-Difluorobenzene (IS)	89912	8.2	93849	8.2	96	50 - 200	0.0000	+/-0.50	
Initial Cal Blank (2317843-ICB2)			Lab File ID: 26NOV29.D			Analyzed: 11/26/23 16:24			
Pentafluorobenzene (IS)	46031	7.5	47381	7.5	97	50 - 200	0.0000	+/-0.50	
Chlorobenzene-d5 (IS)	111382	10.3	111356	10.3	100	50 - 200	0.0000	+/-0.50	
1,4-Difluorobenzene (IS)	93996	8.2	93849	8.2	100	50 - 200	0.0000	+/-0.50	
Calibration Check (2317843-CCV1)			Lab File ID: 30NOV31.D			Analyzed: 11/30/23 18:19			
Pentafluorobenzene (IS)	47960	7.5	47381	7.5	101	50 - 200	0.0000	+/-0.50	
Chlorobenzene-d5 (IS)	108739	10.3	111356	10.3	98	50 - 200	0.0000	+/-0.50	
1,4-Difluorobenzene (IS)	97149	8.19	93849	8.2	104	50 - 200	-0.0100	+/-0.50	
Calibration Check (2317843-CCV2)			Lab File ID: 30NOV32.D			Analyzed: 11/30/23 18:43			
Pentafluorobenzene (IS)	45542	7.5	47381	7.5	96	50 - 200	0.0000	+/-0.50	
Chlorobenzene-d5 (IS)	109321	10.3	111356	10.3	98	50 - 200	0.0000	+/-0.50	
1,4-Difluorobenzene (IS)	92630	8.19	93849	8.2	99	50 - 200	-0.0100	+/-0.50	
Calibration Blank (2317843-CCB1)			Lab File ID: 30NOV34.D			Analyzed: 11/30/23 19:31			
Pentafluorobenzene (IS)	51317	7.5	47381	7.5	108	50 - 200	0.0000	+/-0.50	
Chlorobenzene-d5 (IS)	119376	10.3	111356	10.3	107	50 - 200	0.0000	+/-0.50	
1,4-Difluorobenzene (IS)	102612	8.2	93849	8.2	109	50 - 200	0.0000	+/-0.50	

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Project: Former USDB Lompoc
Project Number: 21044.006.01.000
Project Manager: Sommer Carter

INTERNAL STANDARD AREA AND RT SUMMARY EPA-8260C

Laboratory: <u>Pace Analytical - Bakersfield</u>	SDG: <u>2322252</u>
Client: <u>Ahtna Global, LLC \$AHTT</u>	Project: <u>Former USDB Lompoc</u>
Sequence: <u>2317843</u>	Instrument: <u>MS-V5</u>
Matrix: <u>Water</u>	Calibration: <u>2312004</u>

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
WR-MW-01-1123-N (2322252-01)			Lab File ID: 30NOV50.D			Analyzed: 12/01/23 01:55			
Pentafluorobenzene (IS)	48602	7.5	47381	7.5	103	50 - 200	0.0000	+/-0.50	
Chlorobenzene-d5 (IS)	112465	10.3	111356	10.3	101	50 - 200	0.0000	+/-0.50	
1,4-Difluorobenzene (IS)	101348	8.19	93849	8.2	108	50 - 200	-0.0100	+/-0.50	
WR-MW-01B-1123-N (2322252-02)			Lab File ID: 30NOV51.D			Analyzed: 12/01/23 02:19			
Pentafluorobenzene (IS)	51804	7.5	47381	7.5	109	50 - 200	0.0000	+/-0.50	
Chlorobenzene-d5 (IS)	118263	10.3	111356	10.3	106	50 - 200	0.0000	+/-0.50	
1,4-Difluorobenzene (IS)	99183	8.19	93849	8.2	106	50 - 200	-0.0100	+/-0.50	
WR-MW-02-1123-N (2322252-03)			Lab File ID: 30NOV52.D			Analyzed: 12/01/23 02:43			
Pentafluorobenzene (IS)	47795	7.5	47381	7.5	101	50 - 200	0.0000	+/-0.50	
Chlorobenzene-d5 (IS)	107964	10.3	111356	10.3	97	50 - 200	0.0000	+/-0.50	
1,4-Difluorobenzene (IS)	91487	8.2	93849	8.2	97	50 - 200	0.0000	+/-0.50	
WR-MW-04A-1123-N (2322252-04)			Lab File ID: 30NOV53.D			Analyzed: 12/01/23 03:07			
Pentafluorobenzene (IS)	50452	7.5	47381	7.5	106	50 - 200	0.0000	+/-0.50	
Chlorobenzene-d5 (IS)	123369	10.3	111356	10.3	111	50 - 200	0.0000	+/-0.50	
1,4-Difluorobenzene (IS)	105708	8.2	93849	8.2	113	50 - 200	0.0000	+/-0.50	
WR-MW-05A-1123-N (2322252-05)			Lab File ID: 30NOV54.D			Analyzed: 12/01/23 03:31			
Pentafluorobenzene (IS)	51066	7.51	47381	7.5	108	50 - 200	0.0100	+/-0.50	
Chlorobenzene-d5 (IS)	121857	10.3	111356	10.3	109	50 - 200	0.0000	+/-0.50	
1,4-Difluorobenzene (IS)	107489	8.2	93849	8.2	115	50 - 200	0.0000	+/-0.50	
WR-MW-08A-1123-N (2322252-06)			Lab File ID: 30NOV55.D			Analyzed: 12/01/23 03:55			
Pentafluorobenzene (IS)	49824	7.5	47381	7.5	105	50 - 200	0.0000	+/-0.50	
Chlorobenzene-d5 (IS)	115730	10.3	111356	10.3	104	50 - 200	0.0000	+/-0.50	
1,4-Difluorobenzene (IS)	100375	8.2	93849	8.2	107	50 - 200	0.0000	+/-0.50	
WR-MW-09A-1123-N (2322252-07)			Lab File ID: 30NOV56.D			Analyzed: 12/01/23 04:19			
Pentafluorobenzene (IS)	47590	7.5	47381	7.5	100	50 - 200	0.0000	+/-0.50	
Chlorobenzene-d5 (IS)	112610	10.3	111356	10.3	101	50 - 200	0.0000	+/-0.50	
1,4-Difluorobenzene (IS)	96969	8.2	93849	8.2	103	50 - 200	0.0000	+/-0.50	

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

Reported: 12/7/2023 8:41:11AM
Project: Former USDB Lompoc
Project Number: 21044.006.01.000
Project Manager: Sommer Carter

INTERNAL STANDARD AREA AND RT SUMMARY EPA-8260C

Laboratory: Pace Analytical - Bakersfield

SDG: 2322252

Client: Ahtna Global, LLC \$AHTT

Project: Former USDB Lompoc

Sequence: 2317843

Instrument: MS-V5

Matrix: Water

Calibration: 2312004

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
WR-MW-10A-1123-N (2322252-08)			Lab File ID: 30NOV57.D			Analyzed: 12/01/23 04:43			
Pentafluorobenzene (IS)	50230	7.5	47381	7.5	106	50 - 200	0.0000	+/-0.50	
Chlorobenzene-d5 (IS)	113475	10.3	111356	10.3	102	50 - 200	0.0000	+/-0.50	
1,4-Difluorobenzene (IS)	100678	8.19	93849	8.2	107	50 - 200	-0.0100	+/-0.50	
WR-MW-11A-1123-N (2322252-09)			Lab File ID: 30NOV58.D			Analyzed: 12/01/23 05:07			
Pentafluorobenzene (IS)	51827	7.5	47381	7.5	109	50 - 200	0.0000	+/-0.50	
Chlorobenzene-d5 (IS)	120701	10.3	111356	10.3	108	50 - 200	0.0000	+/-0.50	
1,4-Difluorobenzene (IS)	103871	8.2	93849	8.2	111	50 - 200	0.0000	+/-0.50	
Calibration Check (2317843-CCV3)			Lab File ID: 30NOV60.D			Analyzed: 12/01/23 05:55			
Pentafluorobenzene (IS)	50768	7.5	47381	7.5	107	50 - 200	0.0000	+/-0.50	
Chlorobenzene-d5 (IS)	119327	10.3	111356	10.3	107	50 - 200	0.0000	+/-0.50	
1,4-Difluorobenzene (IS)	99592	8.2	93849	8.2	106	50 - 200	0.0000	+/-0.50	
Calibration Check (2317843-CCV4)			Lab File ID: 30NOV61.D			Analyzed: 12/01/23 06:19			
Pentafluorobenzene (IS)	50663	7.5	47381	7.5	107	50 - 200	0.0000	+/-0.50	
Chlorobenzene-d5 (IS)	120378	10.3	111356	10.3	108	50 - 200	0.0000	+/-0.50	
1,4-Difluorobenzene (IS)	102428	8.19	93849	8.2	109	50 - 200	-0.0100	+/-0.50	
Calibration Blank (2317843-CCB2)			Lab File ID: 30NOV63.D			Analyzed: 12/01/23 07:07			
Pentafluorobenzene (IS)	51955	7.5	47381	7.5	110	50 - 200	0.0000	+/-0.50	
Chlorobenzene-d5 (IS)	122253	10.31	111356	10.3	110	50 - 200	0.0100	+/-0.50	
1,4-Difluorobenzene (IS)	102950	8.19	93849	8.2	110	50 - 200	-0.0100	+/-0.50	
Blank (B179170-BLK1)			Lab File ID: 30NOV64.D			Analyzed: 12/01/23 07:31			
Pentafluorobenzene (IS)	50930	7.5	47381	7.5	107	50 - 200	0.0000	+/-0.50	
Chlorobenzene-d5 (IS)	115913	10.3	111356	10.3	104	50 - 200	0.0000	+/-0.50	
1,4-Difluorobenzene (IS)	98808	8.2	93849	8.2	105	50 - 200	0.0000	+/-0.50	
WR-MW-12A-1123-N (2322252-11)			Lab File ID: 30NOV65.D			Analyzed: 12/01/23 07:55			
Pentafluorobenzene (IS)	51717	7.5	47381	7.5	109	50 - 200	0.0000	+/-0.50	
Chlorobenzene-d5 (IS)	115895	10.3	111356	10.3	104	50 - 200	0.0000	+/-0.50	
1,4-Difluorobenzene (IS)	102960	8.19	93849	8.2	110	50 - 200	-0.0100	+/-0.50	

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Reported: 12/7/2023 8:41:11AM
Project: Former USDB Lompoc
Project Number: 21044.006.01.000
Project Manager: Sommer Carter

INTERNAL STANDARD AREA AND RT SUMMARY EPA-8260C

Laboratory: <u>Pace Analytical - Bakersfield</u>	SDG: <u>2322252</u>
Client: <u>Ahtna Global, LLC \$AHTT</u>	Project: <u>Former USDB Lompoc</u>
Sequence: <u>2317843</u>	Instrument: <u>MS-V5</u>
Matrix: <u>Water</u>	Calibration: <u>2312004</u>

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
WR-MW-08A-1123-D (2322252-10)			Lab File ID: 30NOV66.D			Analyzed: 12/01/23 08:19			
Pentafluorobenzene (IS)	51698	7.5	47381	7.5	109	50 - 200	0.0000	+/-0.50	
Chlorobenzene-d5 (IS)	118669	10.3	111356	10.3	107	50 - 200	0.0000	+/-0.50	
1,4-Difluorobenzene (IS)	104947	8.2	93849	8.2	112	50 - 200	0.0000	+/-0.50	
MW01A-1123-FB (2322252-12)			Lab File ID: 30NOV67.D			Analyzed: 12/01/23 08:43			
Pentafluorobenzene (IS)	51850	7.5	47381	7.5	109	50 - 200	0.0000	+/-0.50	
Chlorobenzene-d5 (IS)	124775	10.3	111356	10.3	112	50 - 200	0.0000	+/-0.50	
1,4-Difluorobenzene (IS)	101558	8.19	93849	8.2	108	50 - 200	-0.0100	+/-0.50	
MW12A-1123-TB (2322252-13)			Lab File ID: 30NOV68.D			Analyzed: 12/01/23 09:07			
Pentafluorobenzene (IS)	50444	7.5	47381	7.5	106	50 - 200	0.0000	+/-0.50	
Chlorobenzene-d5 (IS)	117182	10.3	111356	10.3	105	50 - 200	0.0000	+/-0.50	
1,4-Difluorobenzene (IS)	103017	8.19	93849	8.2	110	50 - 200	-0.0100	+/-0.50	
LCS (B179170-BS1)			Lab File ID: 30NOV69.D			Analyzed: 12/01/23 09:31			
Pentafluorobenzene (IS)	47769	7.5	47381	7.5	101	50 - 200	0.0000	+/-0.50	
Chlorobenzene-d5 (IS)	115415	10.3	111356	10.3	104	50 - 200	0.0000	+/-0.50	
1,4-Difluorobenzene (IS)	103667	8.19	93849	8.2	110	50 - 200	-0.0100	+/-0.50	
LCS Dup (B179170-BSD1)			Lab File ID: 30NOV70.D			Analyzed: 12/01/23 09:55			
Pentafluorobenzene (IS)	52275	7.5	47381	7.5	110	50 - 200	0.0000	+/-0.50	
Chlorobenzene-d5 (IS)	122978	10.3	111356	10.3	110	50 - 200	0.0000	+/-0.50	
1,4-Difluorobenzene (IS)	102720	8.19	93849	8.2	109	50 - 200	-0.0100	+/-0.50	
Matrix Spike (B179170-MS1)			Lab File ID: 30NOV71.D			Analyzed: 12/01/23 10:19			
Pentafluorobenzene (IS)	49113	7.5	47381	7.5	104	50 - 200	0.0000	+/-0.50	
Chlorobenzene-d5 (IS)	117206	10.3	111356	10.3	105	50 - 200	0.0000	+/-0.50	
1,4-Difluorobenzene (IS)	99096	8.2	93849	8.2	106	50 - 200	0.0000	+/-0.50	
Matrix Spike Dup (B179170-MSD1)			Lab File ID: 30NOV72.D			Analyzed: 12/01/23 10:43			
Pentafluorobenzene (IS)	49229	7.5	47381	7.5	104	50 - 200	0.0000	+/-0.50	
Chlorobenzene-d5 (IS)	124857	10.3	111356	10.3	112	50 - 200	0.0000	+/-0.50	
1,4-Difluorobenzene (IS)	107132	8.19	93849	8.2	114	50 - 200	-0.0100	+/-0.50	
Calibration Check (2317843-CCV5)			Lab File ID: 30NOV74.D			Analyzed: 12/01/23 11:31			
Pentafluorobenzene (IS)	48450	7.5	47381	7.5	102	50 - 200	0.0000	+/-0.50	
Chlorobenzene-d5 (IS)	113971	10.3	111356	10.3	102	50 - 200	0.0000	+/-0.50	

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 Project: Former USDB Lompoc
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 Project Manager: Sommer Carter

INTERNAL STANDARD AREA AND RT SUMMARY

EPA-8260C

Laboratory: Pace Analytical - Bakersfield

SDG: 2322252

Client: Ahtna Global, LLC \$AHTT

Project: Former USDB Lompoc

Sequence: 2317843

Instrument: MS-V5

Matrix: Water

Calibration: 2312004

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
Calibration Check (2317843-CCV6)			Lab File ID: 30NOV75.D			Analyzed: 12/01/23 11:55			
Pentafluorobenzene (IS)	51647	7.5	47381	7.5	109	50 - 200	0.0000	+/-0.50	
Chlorobenzene-d5 (IS)	121108	10.3	111356	10.3	109	50 - 200	0.0000	+/-0.50	
1,4-Difluorobenzene (IS)	100783	8.2	93849	8.2	107	50 - 200	0.0000	+/-0.50	
Calibration Blank (2317843-CCB3)			Lab File ID: 30NOV77.D			Analyzed: 12/01/23 12:47			
Pentafluorobenzene (IS)	51959	7.5	47381	7.5	110	50 - 200	0.0000	+/-0.50	
Chlorobenzene-d5 (IS)	119146	10.3	111356	10.3	107	50 - 200	0.0000	+/-0.50	
1,4-Difluorobenzene (IS)	106006	8.19	93849	8.2	113	50 - 200	-0.0100	+/-0.50	

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Project: Former USDB Lompoc
Project Number: 21044.006.01.000
Project Manager: Sommer Carter

INITIAL CALIBRATION STANDARDS EPA-8260C

Laboratory:	Pace Analytical - Bakersfield	SDG:	2322252
Client:	Ahtna Global, LLC \$AHTT	Project:	Former USDB Lompoc
Sequence:	2317835	Instrument:	MS-V5
Calibration:	2312004		

Standard ID	Description	Lab Sample ID	Lab File ID	Analysis Date/Time
3I28003	8260 /524.2 V5 BFB 50NG	2317835-TUN1	26NOV05.D	11/26/23 06:44
3K26001	8260 B/524.2 V5 2317504-CAL1	2317835-CAL1	26NOV07.D	11/26/23 07:32
3K26002	8260 B/524.2 V5 2317504-CAL2	2317835-CAL2	26NOV08.D	11/26/23 07:56
3K26003	8260 B/524.2 V5 2317504-CAL3	2317835-CAL3	26NOV09.D	11/26/23 08:20
3K26004	8260 B/524.2 V5 2317504-CAL4	2317835-CAL4	26NOV10.D	11/26/23 08:43
3K26005	8260 B/524.2 V5 2317504-CAL5	2317835-CAL5	26NOV11.D	11/26/23 09:12
3K26006	8260 B/524.2 V5 2317504-CAL6	2317835-CAL6	26NOV12.D	11/26/23 09:36
3K26008	8260 B/524.2 V5 2317504-CAL7	2317835-CAL7	26NOV19.D	11/26/23 12:24
3K26009	8260 B/524.2 V5 2317504-CAL8	2317835-CAL8	26NOV20.D	11/26/23 12:48
3K26010	8260 B/524.2 V5 2317504-CAL9	2317835-CAL9	26NOV21.D	11/26/23 13:12
3K26011	8260 B/524.2 V5 2317504-CALA	2317835-CALA	26NOV22.D	11/26/23 13:36
3K26012	8260 B/524.2 V5 2317504-CALB	2317835-CALB	26NOV23.D	11/26/23 14:00
3K26013	8260 B/524.2 V5 2317504-CALC	2317835-CALC	26NOV24.D	11/26/23 14:24
3I28003	8260 /524.2 V5 BFB 50NG	2317835-TUN2	26NOV30.D	11/26/23 16:47
3K26015	8260 B/524.2 V5 2317504-CALD	2317835-CALD	26NOV31.D	11/26/23 17:12
3K26016	8260 B/524.2 V5 2317504-CALE	2317835-CALE	26NOV32.D	11/26/23 17:36
3K26017	8260 B/524.2 V5 2317504-CALF	2317835-CALF	26NOV33.D	11/26/23 18:00
3K26018	8260 B/524.2 V5 2317504-CALG	2317835-CALG	26NOV34.D	11/26/23 18:24
3K26019	8260 B/524.2 V5 2317504-CALH	2317835-CALH	26NOV35.D	11/26/23 18:48
3K26020	8260 B/524.2 V5 2317504-CALI	2317835-CALI	26NOV36.D	11/26/23 19:12

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Project: Former USDB Lompoc
Project Number: 21044.006.01.000
Project Manager: Sommer Carter

INITIAL CALIBRATION DATA EPA-8260C

Laboratory: Pace Analytical - Bakersfield

SDG: 2322252

Client: Ahtna Global, LLC SAHTT

Project: Former USDB Lompoc

Calibration: 2312004

Instrument: MS-V5

Matrix: Water

Calibration Date: 11/26/23 07:32

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	12.59444	1	13.85967	5	11.45375	10	12.36675	25	10.67559	50	9.513148
Bromodichloromethane	0.5	1.797767	1	1.867343	5	1.740094	10	1.71302	25	1.661379	50	1.540173
Bromoform	0.5	0.3196037	1	0.3812816	5	0.3365504	10	0.3525975	25	0.3597471	50	0.361241
Chloroform	0.5	5.936596	1	6.179098	5	4.943241	10	5.453027	25	4.835998	50	4.747652
Chloromethane	0.5	6.40572	1	6.251159	5	4.902601	10	5.528566	25	4.945805	50	4.792986
Dibromochloromethane	0.5	1.038162	1	0.9989187	5	0.9212625	10	0.9504418	25	0.9464779	50	0.9169756
1,1-Dichloroethene	0.5	5.273622	1	5.892541	5	4.99397	10	5.518122	25	4.919972	50	4.792586
cis-1,2-Dichloroethene	0.5	3.662065	1	4.040877	5	3.124814	10	3.525995	25	3.115502	50	3.121786
trans-1,2-Dichloroethene	0.5	3.619492	1	3.787821	5	3.131929	10	3.368388	25	3.051915	50	3.078765
Methyl t-butyl ether	0.5	6.154005	1	6.066372	5	4.578205	10	4.980251	25	4.460826	50	4.299978
Tetrachloroethene	0.5	1.61949	1	1.692755	5	1.51726	10	1.516025	25	1.42523	50	1.33687
Toluene	0.5	4.220789	1	4.082811	5	3.787311	10	3.740723	25	3.503901	50	3.059294
1,1,1-Trichloroethane	0.5	5.424072	1	5.537716	5	4.879366	10	5.377557	25	4.892754	50	4.765992
Trichloroethene	0.5	1.672416	1	1.766559	5	1.644278	10	1.647738	25	1.564513	50	1.457649
Vinyl chloride	0.5	4.936761	1	5.246734	5	4.553564	10	5.190371	25	4.599177	50	4.534422
Total Xylenes	1.5	2.388711	3	2.471411	15	2.215287	30	2.201609	75	2.036878	150	1.773763
Acetone												
Methyl ethyl ketone												
1,2-Dichloroethane-d4 (Surrogate)	10	1.85794	10	1.967299	10	1.879246	10	2.168187	10	1.996729	10	1.961141
Toluene-d8 (Surrogate)	10	5.10027	10	5.160289	10	5.165334	10	5.149211	10	5.218276	10	5.036187
4-Bromofluorobenzene (Surrogate)	10	1.412891	10	1.410118	10	1.421001	10	1.4535	10	1.443227	10	1.496831

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Project: Former USDB Lompoc
Project Number: 21044.006.01.000
Project Manager: Sommer Carter

INITIAL CALIBRATION DATA (Continued)
EPA-8260C

Laboratory: Pace Analytical - Bakersfield
Client: Ahtna Global, LLC SAHTT
Calibration: 2312004
Matrix: Water

SDG: 2322252
Project: Former USDB Lompoc
Instrument: MS-V5
Calibration Date: 11/26/23 07:32

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												
Bromodichloromethane												
Bromoform												
Chloroform												
Chloromethane												
Dibromochloromethane												
1,1-Dichloroethene												
cis-1,2-Dichloroethene												
trans-1,2-Dichloroethene												
Methyl t-butyl ether												
Tetrachloroethene												
Toluene												
1,1,1-Trichloroethane												
Trichloroethene												
Vinyl chloride												
Total Xylenes												
Acetone	16	0.278903	64	0.2715206	160	0.2520089	320	0.2354345	480	0.2346098	800	0.2001039
Methyl ethyl ketone	8	0.526435	32	0.4855612	80	0.4752957	160	0.4426262	240	0.4462865	400	0.3880194
1,2-Dichloroethane-d4 (Surrogate)												
Toluene-d8 (Surrogate)												
4-Bromofluorobenzene (Surrogate)												

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Project Manager: Sommer Carter

INITIAL CALIBRATION DATA (Continued)
EPA-8260C

Laboratory: Pace Analytical - Bakersfield

SDG: 2322252

Client: Ahtna Global, LLC SAHTT

Project: Former USDB Lompoc

Calibration: 2312004

Instrument: MS-V5

Matrix: Water

Calibration Date: 11/26/23 07:32

Compound	Mean RF	RF RSD	Mean RT	RT RSD	Linear COD	Quad COD	LIMIT	Q
Benzene	11.74389	13.07531	7.833333	6.628126E-02			15	
Bromodichloromethane	1.719963	6.577066	8.808334	4.127309E-02			15	
Bromoform	0.3518369	6.08427	10.82	1.406038E-02			15	
Chloroform	5.349269	11.32373	7.313333	7.084884E-02			15	
Chloromethane	5.47114	13.03825	2.553333	0.2019021			15	
Dibromochloromethane	0.9620397	4.925087	9.923333	5.214226E-02			15	
1,1-Dichloroethene	5.231802	7.959343	4.49	2.212579E-02			15	
cis-1,2-Dichloroethene	3.43184	11.08245	6.951667	5.972152E-02			15	
trans-1,2-Dichloroethene	3.339718	9.219176	5.568333	0.0741087			15	
Methyl t-butyl ether	5.089939	16.15181	5.55	0.1131584	0.999		0.99	
Tetrachloroethene	1.517938	8.449882	9.736666	4.943508E-02			15	
Toluene	3.732471	11.17372	9.38	2.144103E-02			15	
1,1,1-Trichloroethane	5.146243	6.526369	7.491666	5.624051E-02			15	
Trichloroethene	1.625525	6.442673	8.4	2.495612E-02			15	
Vinyl chloride	4.843505	6.72762	2.718333	0.1506753			15	
Total Xylenes	2.181276	11.51963	10.68	1.424469E-02			15	
Acetone	0.2454301	11.69012	4.543333	0.1121106			15	
Methyl ethyl ketone	0.460704	10.16666	6.931667	0.0605248			15	
1,2-Dichloroethane-d4 (Surrogate)	1.971757	5.595044	7.8	1.398662E-02			15	
Toluene-d8 (Surrogate)	5.138261	1.218608	9.33	0.0156945			15	
4-Bromofluorobenzene (Surrogate)	1.439595	2.285018	11.00833	4.027789E-02			15	

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Project: Former USDB Lompoc
Project Number: 21044.006.01.000
Project Manager: Sommer Carter

HOLDING TIME SUMMARY

EPA-8260C

Laboratory: Pace Analytical - Bakersfield

SDG: 2322252

Client: Ahtna Global, LLC SAHTT

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
WR-MW-01-1123-N	11/27/23 15:05	11/30/23 08:16	11/30/23 11:09	4.00	14.00	12/01/23 01:55	4.00	14.00	
WR-MW-01B-1123-N	11/27/23 14:00	11/30/23 08:16	11/30/23 11:09	4.00	14.00	12/01/23 02:19	4.00	14.00	
WR-MW-02-1123-N	11/28/23 10:50	11/30/23 08:16	11/30/23 11:09	3.00	14.00	12/01/23 02:43	3.00	14.00	
WR-MW-04A-1123-N	11/28/23 08:10	11/30/23 08:16	11/30/23 11:09	3.00	14.00	12/01/23 03:07	3.00	14.00	
WR-MW-05A-1123-N	11/27/23 15:45	11/30/23 08:16	11/30/23 11:09	4.00	14.00	12/01/23 03:31	4.00	14.00	
WR-MW-08A-1123-N	11/28/23 10:10	11/30/23 08:16	11/30/23 11:09	3.00	14.00	12/01/23 03:55	3.00	14.00	
WR-MW-09A-1123-N	11/27/23 16:10	11/30/23 08:16	11/30/23 11:09	4.00	14.00	12/01/23 04:19	4.00	14.00	
WR-MW-10A-1123-N	11/28/23 07:35	11/30/23 08:16	11/30/23 11:09	3.00	14.00	12/01/23 04:43	3.00	14.00	
WR-MW-11A-1123-N	11/28/23 08:40	11/30/23 08:16	11/30/23 11:09	3.00	14.00	12/01/23 05:07	3.00	14.00	
WR-MW-08A-1123-D	11/28/23 10:05	11/30/23 08:16	11/30/23 11:09	3.00	14.00	12/01/23 08:19	3.00	14.00	
WR-MW-12A-1123-N	11/28/23 09:30	11/30/23 08:16	11/30/23 11:09	3.00	14.00	12/01/23 07:55	3.00	14.00	
MW01A-1123-FB	11/28/23 10:15	11/30/23 08:16	11/30/23 11:09	3.00	14.00	12/01/23 08:43	3.00	14.00	
MW12A-1123-TB	11/28/23 08:00	11/30/23 08:16	11/30/23 11:09	3.00	14.00	12/01/23 09:07	3.00	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

Data File : D:\DATA\NOV2023C\NOV30\30NOV50.D
 Acq On : 1 Dec 2023 1:55 am
 Sample : 2322252-01
 Misc : 1 ;25ML;pH<2

Vial: 50
 Operator: MGC
 Inst : MS-V5
 Multiplr: 1.00

MS Integration Params: rteint.p

Quant Time: Dec 1 11:30 2023

Quant Results File: 82605C.RES

Quant Method : C:\HPCHEM\1...\82605C.M (RTE Integrator)

Title : EPA Method 8260C/D
 Last Update : Thu Nov 30 12:10:48 2023
 Response via : Initial Calibration
 DataAcq Meth : 82605

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene IS#1	7.50	137	48602	10.00	ug/L	0.00
26) 1,4-Difluorobenzene IS#2	8.19	63	101348	10.00	ug/L	0.00
41) Chlorobenzene d5 IS#3	10.30	119	112465	10.00	ug/L	0.00

System Monitoring Compounds

23) 1,2-dichloroethane d4 SMC	7.80	65	106361	11.10	ug/L	0.00
Spiked Amount	10.000	Range	75 - 125	Recovery	=	111.00%
33) Toluene d8 SMC#2	9.33	98	507645	9.75	ug/L	0.00
Spiked Amount	10.000	Range	80 - 120	Recovery	=	97.50%
51) Bromofluorobenzene SMC#3	11.01	95	163811	10.12	ug/L	0.00
Spiked Amount	10.000	Range	80 - 120	Recovery	=	101.20%

Target Compounds

	R.T.	QIon	Response	Conc	Units	Qvalue
17) Cis-1,2-dichloroethene	6.95	96	9130	0.55	ug/L	93
27) Trichloroethene	8.40	130	41751	2.53	ug/L	99
37) Tetrachloroethene (PCE)	9.74	166	68671	4.46	ug/L	96

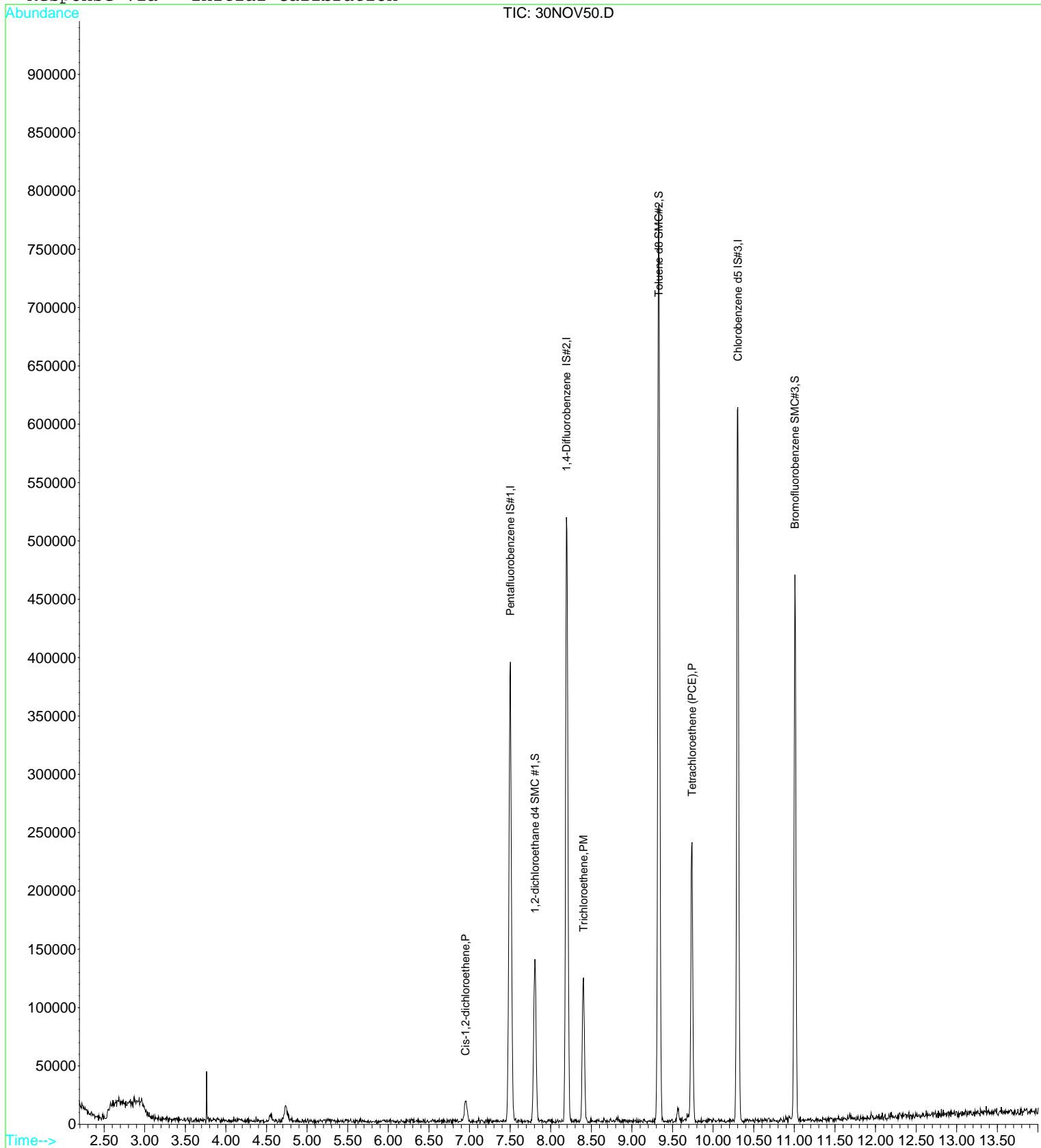
(#) = qualifier out of range (m) = manual integration

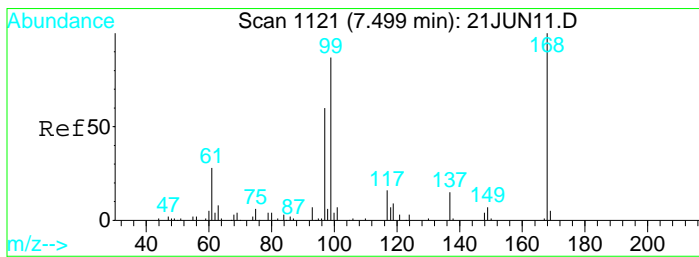
Data File : D:\DATA\NOV2023C\NOV30\30NOV50.D
Acq On : 1 Dec 2023 1:55 am
Sample : 2322252-01
Misc : 1 ;25ML;pH<2
MS Integration Params: rteint.p
Quant Time: Dec 1 11:30 2023

Vial: 50
Operator: MGC
Inst : MS-V5
Multiplr: 1.00

Quant Results File: 82605C.RES

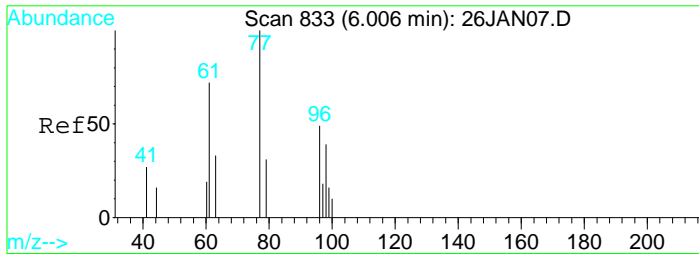
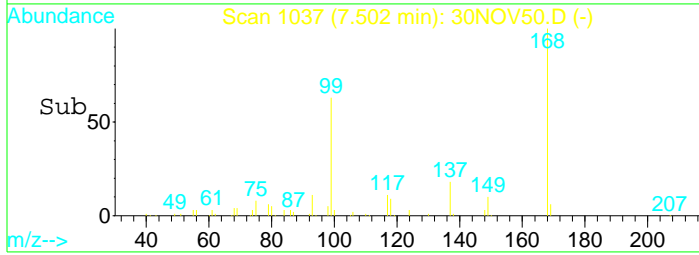
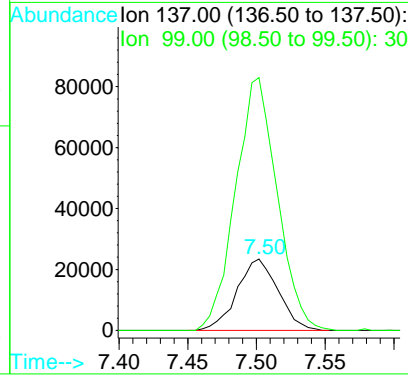
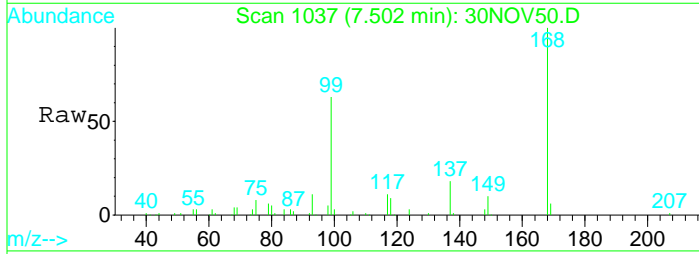
Method : C:\HPCHEM\1\METHODS\C\202311\26-0912\82605C.M (RTE Integrator)
Title : EPA Method 8260C/D
Last Update : Thu Nov 30 12:10:48 2023
Response via : Initial Calibration





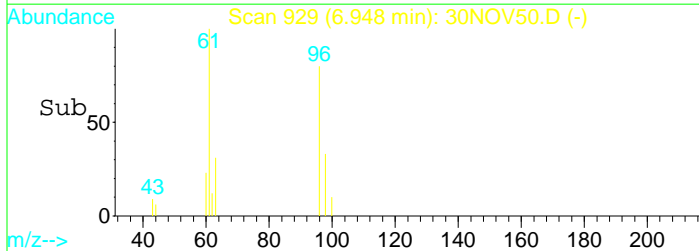
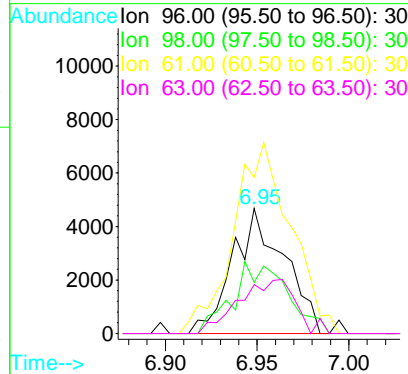
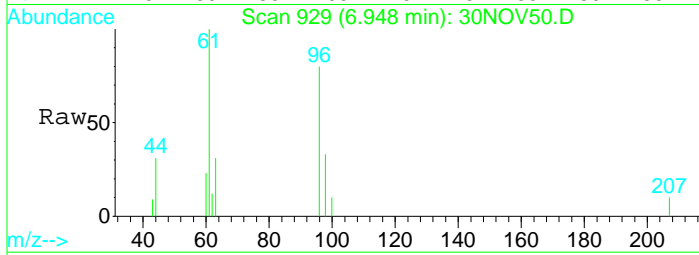
#1
 Pentafluorobenzene IS#1
 Concen: 10.00 ug/L
 RT: 7.50 min Scan# 1037
 Delta R.T. 0.00 min
 Lab File: 30NOV50.D
 Acq: 1 Dec 2023 1:55 am

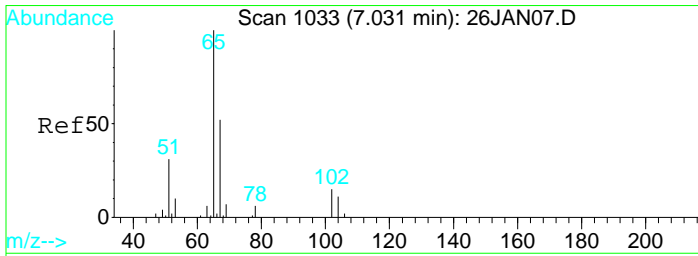
Tgt Ion	Resp	Lower	Upper
137	100		
99	359.3	475.5	883.1#



#17
 Cis-1,2-dichloroethene
 Concen: 0.55 ug/L
 RT: 6.95 min Scan# 929
 Delta R.T. 0.00 min
 Lab File: 30NOV50.D
 Acq: 1 Dec 2023 1:55 am

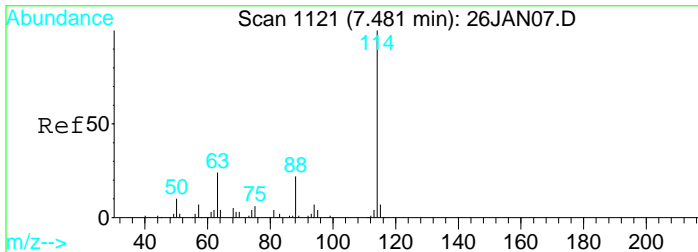
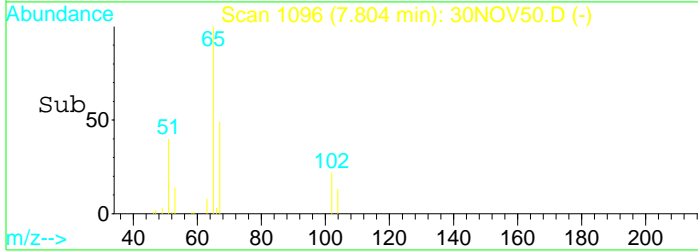
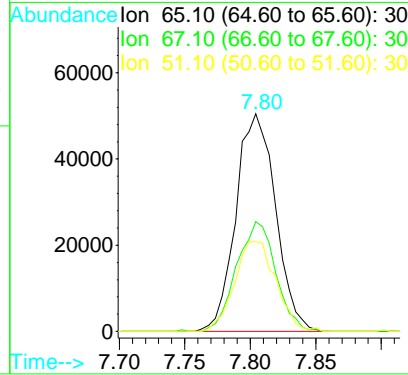
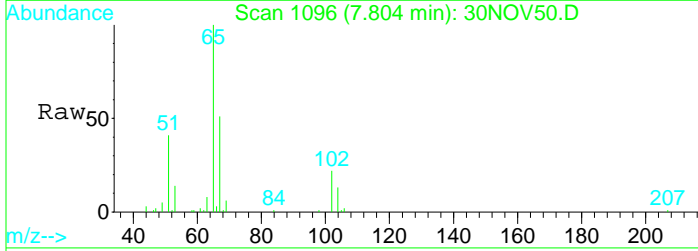
Tgt Ion	Resp	Lower	Upper
96	100		
98	60.7	45.6	84.6
61	170.0	111.2	206.4
63	48.1	35.4	65.8





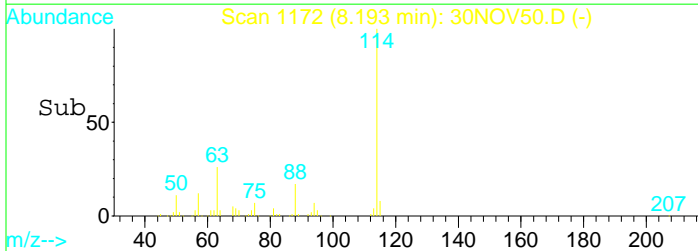
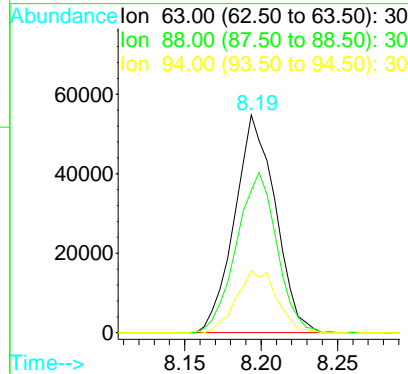
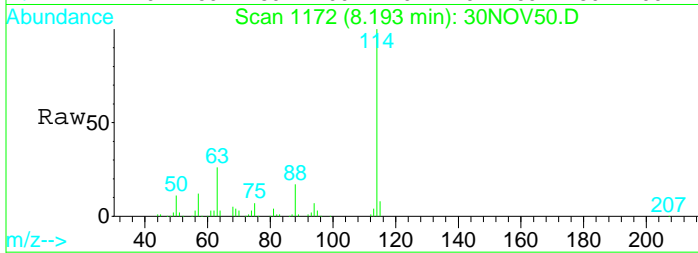
#23
 1,2-dichloroethane d4 SMC #1
 Concen: Below ug/L
 RT: 7.80 min Scan# 1096
 Delta R.T. 0.00 min
 Lab File: 30NOV50.D
 Acq: 1 Dec 2023 1:55 am

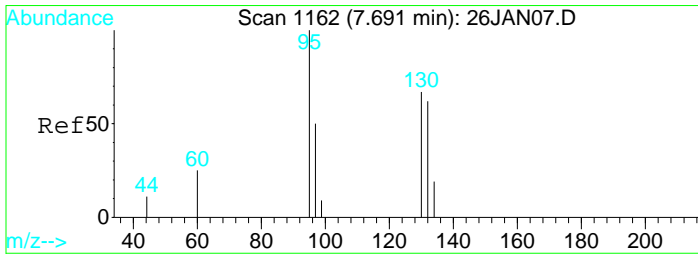
Tgt Ion	Resp	Lower	Upper
65	106361		
67	49.7	35.2	65.4
51	43.0	119.7	222.3#



#26
 1,4-Difluorobenzene IS#2
 Concen: 10.00 ug/L
 RT: 8.19 min Scan# 1172
 Delta R.T. -0.00 min
 Lab File: 30NOV50.D
 Acq: 1 Dec 2023 1:55 am

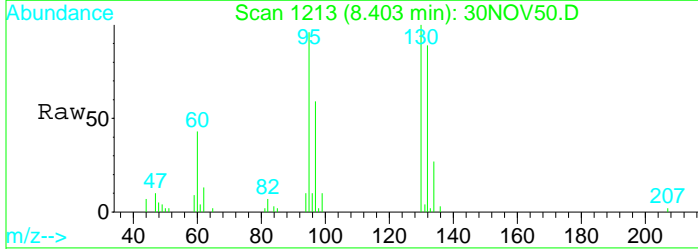
Tgt Ion	Resp	Lower	Upper
63	101348		
88	73.0	54.5	101.1
94	28.4	19.7	36.7



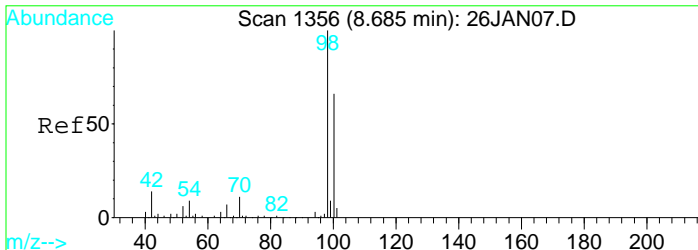
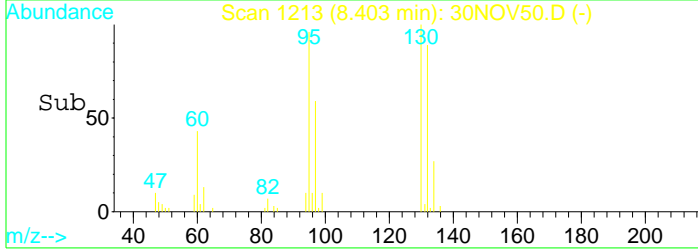
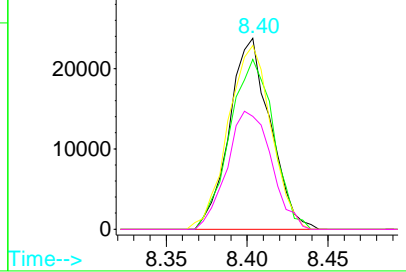


#27
 Trichloroethene
 Concen: 2.53 ug/L
 RT: 8.40 min Scan# 1213
 Delta R.T. 0.01 min
 Lab File: 30NOV50.D
 Acq: 1 Dec 2023 1:55 am

Tgt Ion	Resp	Lower	Upper
130	41751		
130	100		
132	95.2	66.7	123.9
95	101.1	69.4	129.0
97	67.0	45.8	85.2

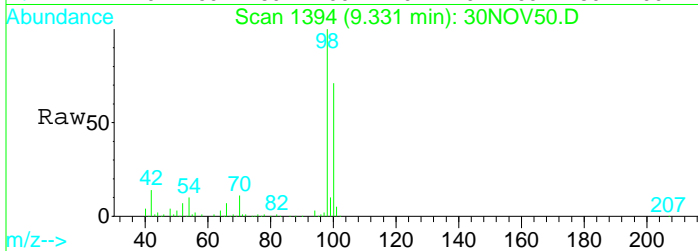


Abundance
 Ion 129.90 (129.40 to 130.40):
 Ion 131.90 (131.40 to 132.40):
 Ion 95.00 (94.50 to 95.50): 30
 Ion 97.00 (96.50 to 97.50): 30

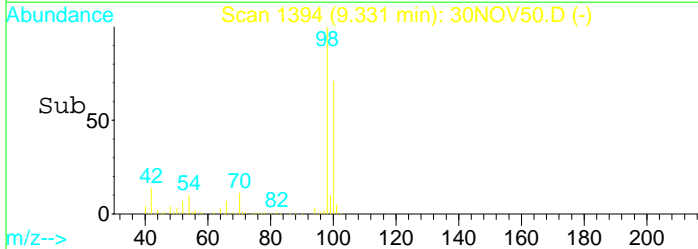
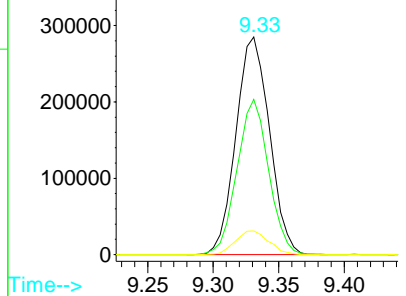


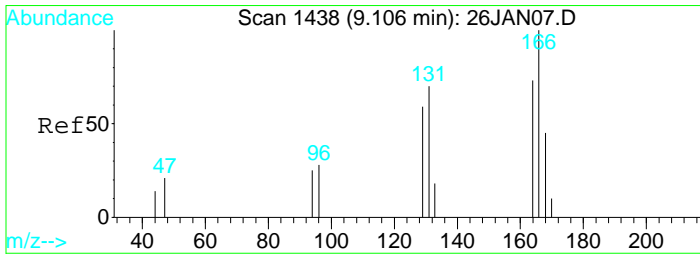
#33
 Toluene d8 SMC#2
 Concen: Below ug/L
 RT: 9.33 min Scan# 1394
 Delta R.T. 0.00 min
 Lab File: 30NOV50.D
 Acq: 1 Dec 2023 1:55 am

Tgt Ion	Resp	Lower	Upper
98	507645		
98	100		
100	67.2	47.5	88.1
70	10.9	8.1	15.1



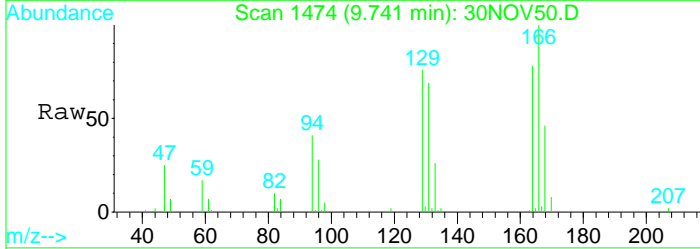
Abundance
 Ion 98.10 (97.60 to 98.60): 30
 Ion 100.10 (99.60 to 100.60): 3
 Ion 70.10 (69.60 to 70.60): 30



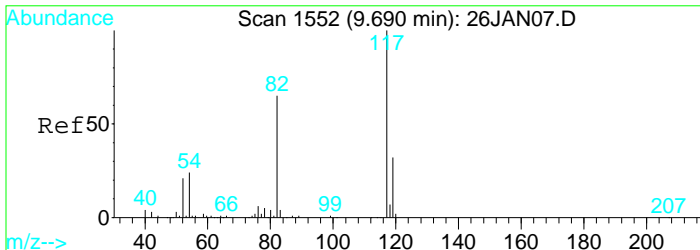
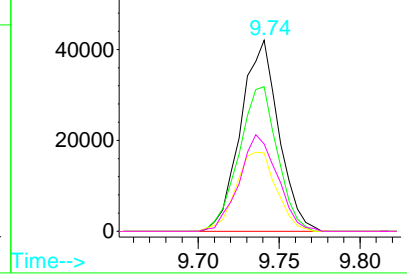
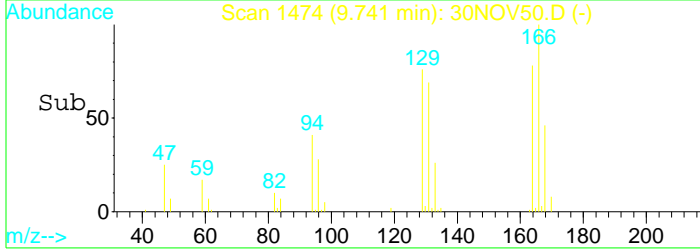


#37
 Tetrachloroethene (PCE)
 Concen: 4.46 ug/L
 RT: 9.74 min Scan# 1474
 Delta R.T. 0.01 min
 Lab File: 30NOV50.D
 Acq: 1 Dec 2023 1:55 am

Tgt Ion	Resp	Lower	Upper
166	100		
129	76.4	55.6	103.4
94	43.8	32.4	60.2
168	50.9	33.4	62.0

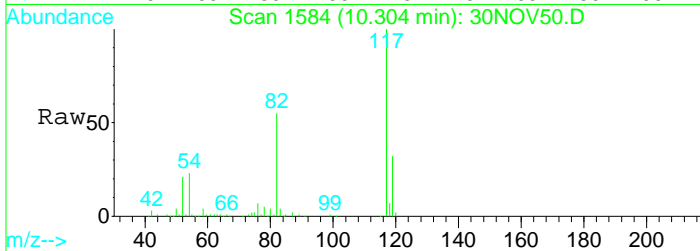


Abundance
 Ion 165.90 (165.40 to 166.40):
 Ion 128.90 (128.40 to 129.40):
 Ion 94.00 (93.50 to 94.50): 30
 Ion 167.90 (167.40 to 168.40):

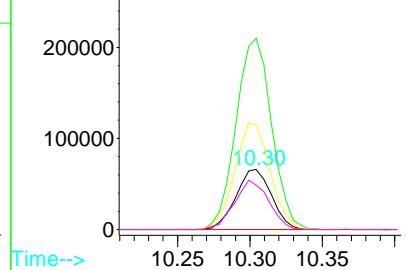
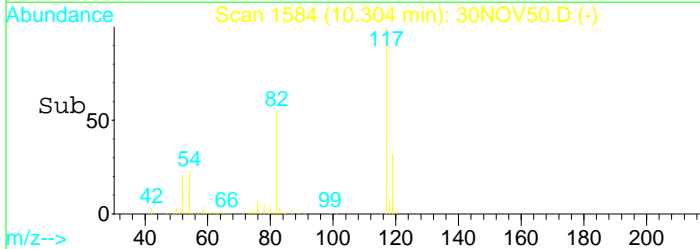


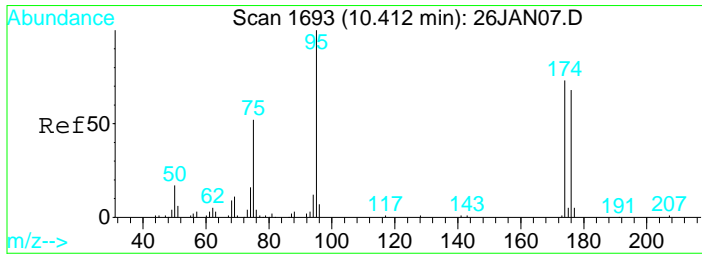
#41
 Chlorobenzene d5 IS#3
 Concen: 10.00 ug/L
 RT: 10.30 min Scan# 1584
 Delta R.T. 0.00 min
 Lab File: 30NOV50.D
 Acq: 1 Dec 2023 1:55 am

Tgt Ion	Resp	Lower	Upper
119	100		
117	318.3	215.3	399.8
82	176.5	121.5	225.7
54	79.1	52.1	96.9

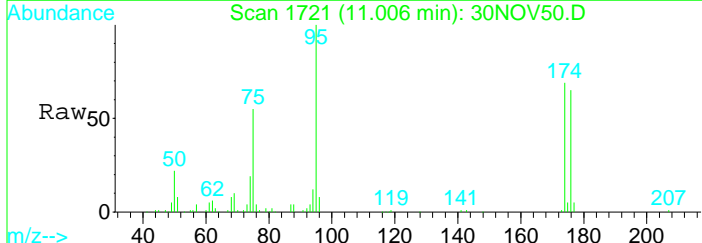


Abundance
 Ion 119.00 (118.50 to 119.50):
 Ion 117.00 (116.50 to 117.50):
 Ion 82.10 (81.60 to 82.60): 30
 Ion 54.10 (53.60 to 54.60): 30



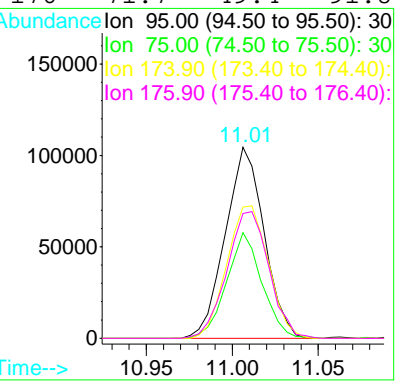
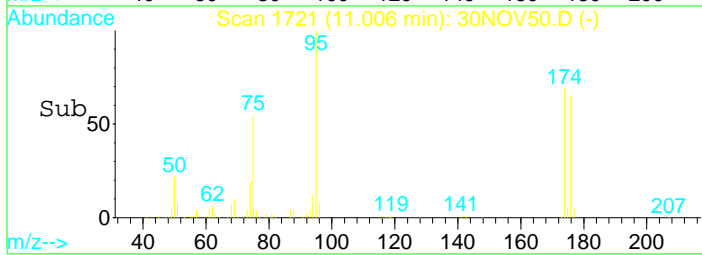


#51
 Bromofluorobenzene SMC#3
 Concen: N.D. ug/L
 RT: 11.01 min Scan# 1721
 Delta R.T. 0.00 min
 Lab File: 30NOV50.D
 Acq: 1 Dec 2023 1:55 am



Tgt Ion: 95 Resp: 163811

Ion	Ratio	Lower	Upper
95	100		
75	50.4	32.5	60.3
174	74.2	50.4	93.6
176	71.7	49.4	91.8



Data File : D:\DATA\NOV2023C\NOV30\30NOV50.D
 Acq On : 1 Dec 2023 1:55 am
 Sample : 2322252-01
 Misc : 1 ;25ML;pH<2

Vial: 50
 Operator: MGC
 Inst : MS-V5
 Multiplr: 1.00

MS Integration Params: rteint.p
 Quant Time: Dec 1 11:30 2023

Quant Results File: 82605CX.RES

Quant Method : C:\HPCHEM\1...\82605CX.M (RTE Integrator)
 Title : EPA Method 8260C/DX
 Last Update : Fri Dec 01 08:39:53 2023
 Response via : Initial Calibration
 DataAcq Meth : 82605

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene IS#1	7.50	137	48602	10.00	ug/L	0.00
29) 1,4-Difluorobenzene IS#2	8.19	63	101348	10.00	ug/L	0.00
36) Chlorobenzene d5 IS#3	10.30	119	112465	10.00	ug/L	0.00

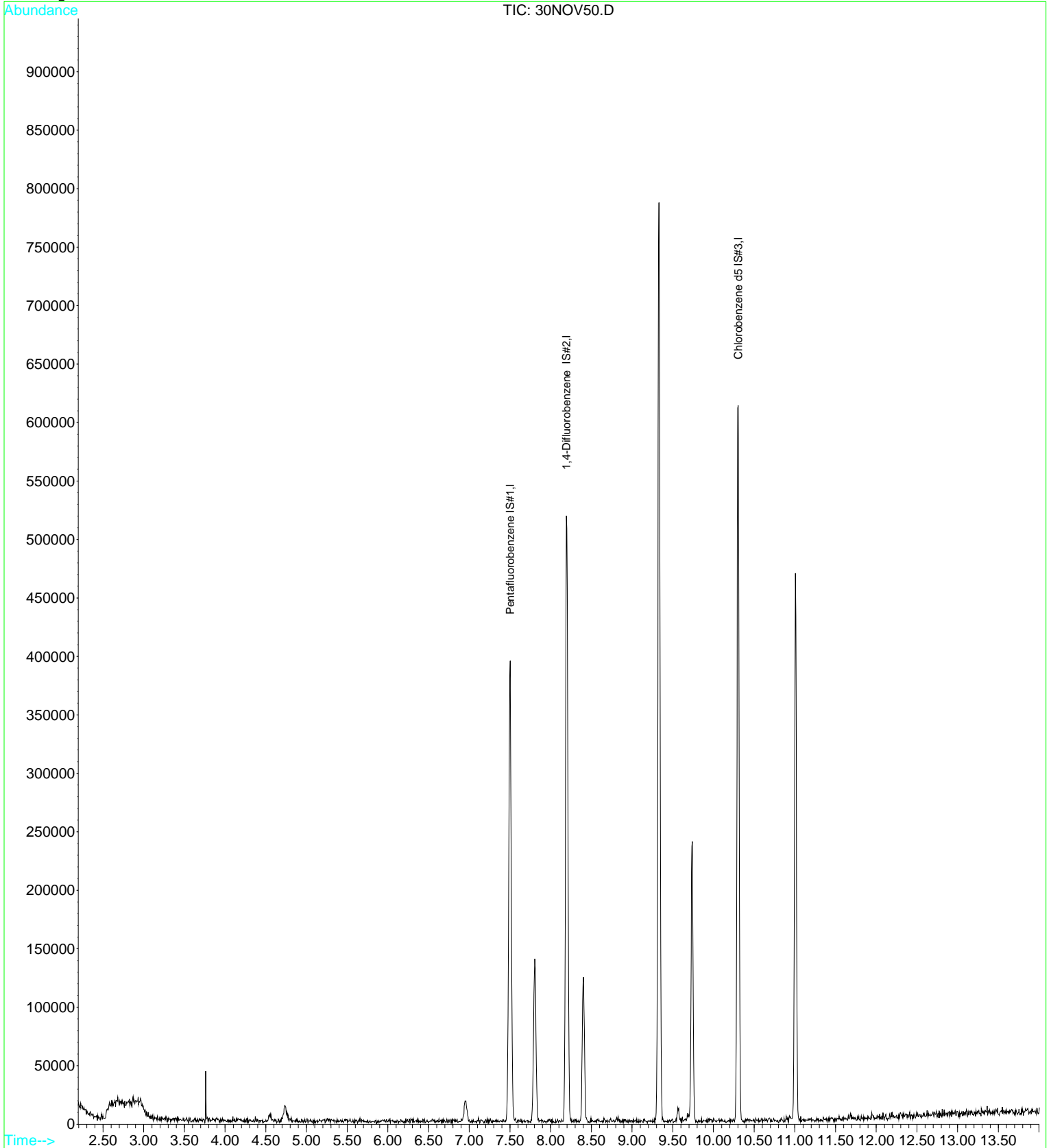
Target Compounds Qvalue

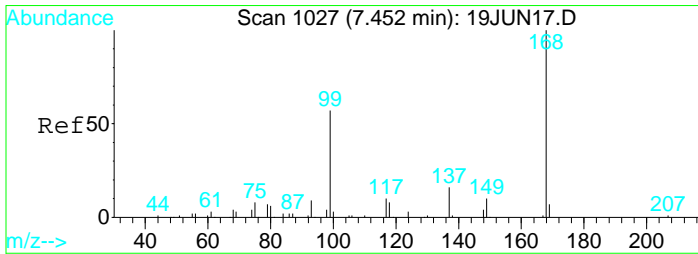
Data File : D:\DATA\NOV2023C\NOV30\30NOV50.D
Acq On : 1 Dec 2023 1:55 am
Sample : 2322252-01
Misc : 1 ;25ML;pH<2
MS Integration Params: rteint.p
Quant Time: Dec 1 11:30 2023

Vial: 50
Operator: MGC
Inst : MS-V5
Multiplr: 1.00

Quant Results File: 82605CX.RES

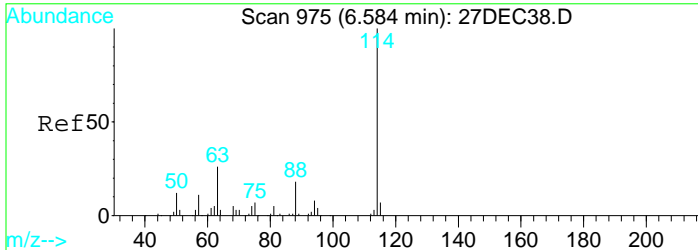
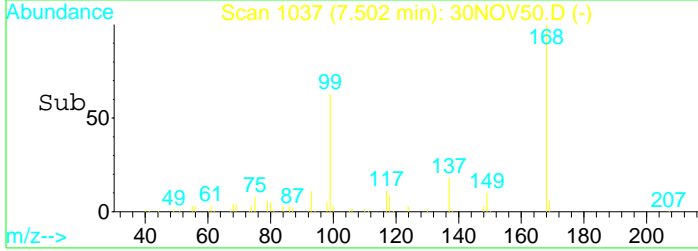
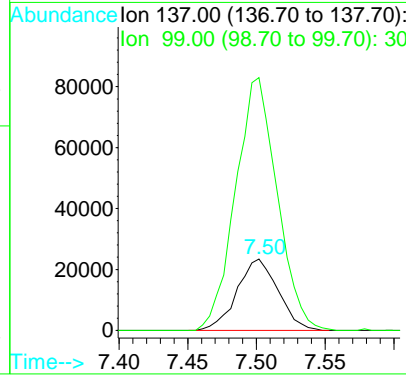
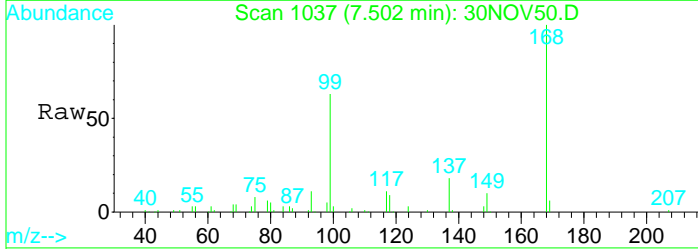
Method : C:\HPCHEM\1\METHODS\C\202311\26-1336\82605CX.M (RTE Integrator)
Title : EPA Method 8260C/DX
Last Update : Fri Dec 01 08:39:53 2023
Response via : Initial Calibration





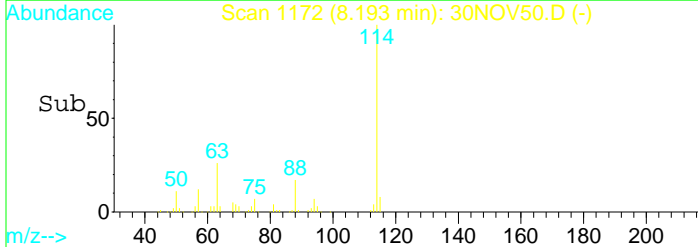
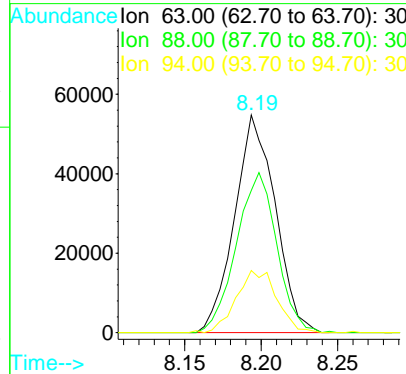
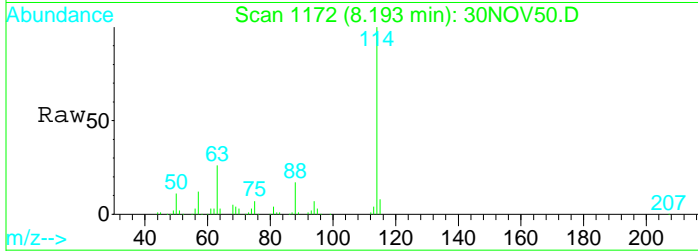
#1
 Pentafluorobenzene IS#1
 Concen: 10.00 ug/L
 RT: 7.50 min Scan# 1037
 Delta R.T. 0.01 min
 Lab File: 30NOV50.D
 Acq: 1 Dec 2023 1:55 am

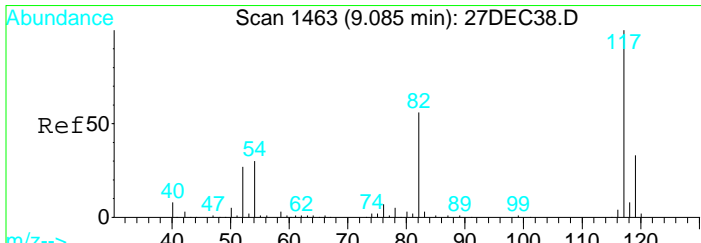
Tgt Ion:137 Resp: 48602
 Ion Ratio Lower Upper
 137 100
 99 359.3 235.9 438.1



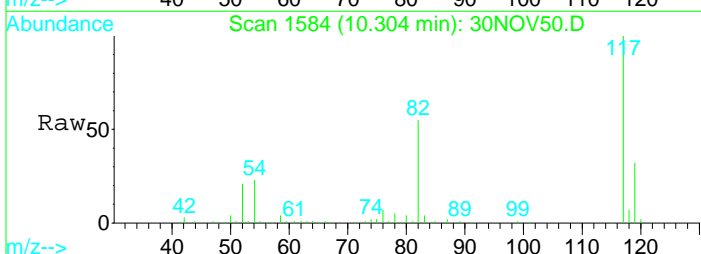
#29
 1,4-Difluorobenzene IS#2
 Concen: 10.00 ug/L
 RT: 8.19 min Scan# 1172
 Delta R.T. -0.00 min
 Lab File: 30NOV50.D
 Acq: 1 Dec 2023 1:55 am

Tgt Ion: 63 Resp: 101348
 Ion Ratio Lower Upper
 63 100
 88 73.0 51.3 95.3
 94 28.4 19.7 36.5



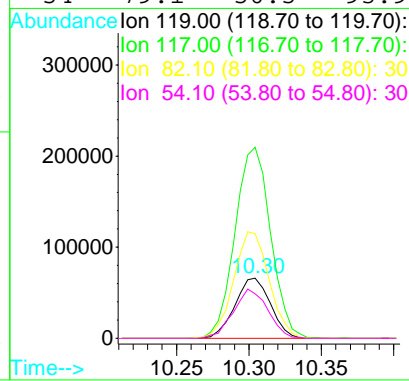
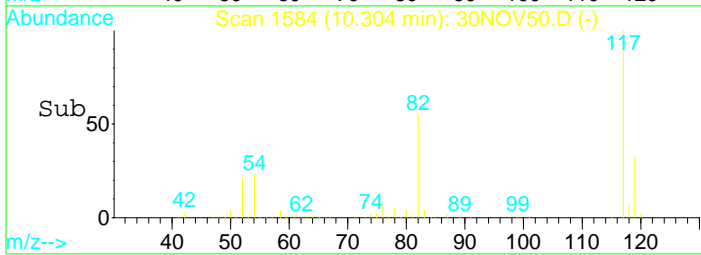


#36
 Chlorobenzene d5 IS#3
 Concen: 10.00 ug/L
 RT: 10.30 min Scan# 1584
 Delta R.T. 0.00 min
 Lab File: 30NOV50.D
 Acq: 1 Dec 2023 1:55 am



Tgt Ion:119 Resp: 112465

Ion	Ratio	Lower	Upper
119	100		
117	318.3	215.3	399.9
82	176.5	119.8	222.4
54	79.1	50.5	93.9



Data File : D:\DATA\NOV2023C\NOV30\30NOV51.D
 Acq On : 1 Dec 2023 2:19 am
 Sample : 2322252-02
 Misc : 1 ;25ML;pH<2

Vial: 51
 Operator: MGC
 Inst : MS-V5
 Multiplr: 1.00

MS Integration Params: rteint.p

Quant Time: Dec 1 11:31 2023

Quant Results File: 82605C.RES

Quant Method : C:\HPCHEM\1...\82605C.M (RTE Integrator)

Title : EPA Method 8260C/D
 Last Update : Thu Nov 30 12:10:48 2023
 Response via : Initial Calibration
 DataAcq Meth : 82605

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene IS#1	7.50	137	51804	10.00	ug/L	0.00
26) 1,4-Difluorobenzene IS#2	8.19	63	99183	10.00	ug/L	0.00
41) Chlorobenzene d5 IS#3	10.30	119	118263	10.00	ug/L	0.00

System Monitoring Compounds

23) 1,2-dichloroethane d4 SMC	7.80	65	104217	10.20	ug/L	0.00
Spiked Amount	10.000	Range	75 - 125	Recovery	=	102.00%
33) Toluene d8 SMC#2	9.33	98	506072	9.93	ug/L	0.00
Spiked Amount	10.000	Range	80 - 120	Recovery	=	99.30%
51) Bromofluorobenzene SMC#3	11.01	95	166496	9.78	ug/L	0.00
Spiked Amount	10.000	Range	80 - 120	Recovery	=	97.80%

Target Compounds

	R.T.	QIon	Response	Conc	Units	Qvalue
25) Benzene	7.83	78	6516	0.11	ug/L #	1
37) Tetrachloroethene (PCE)	9.74	166	1068	0.07	ug/L #	85

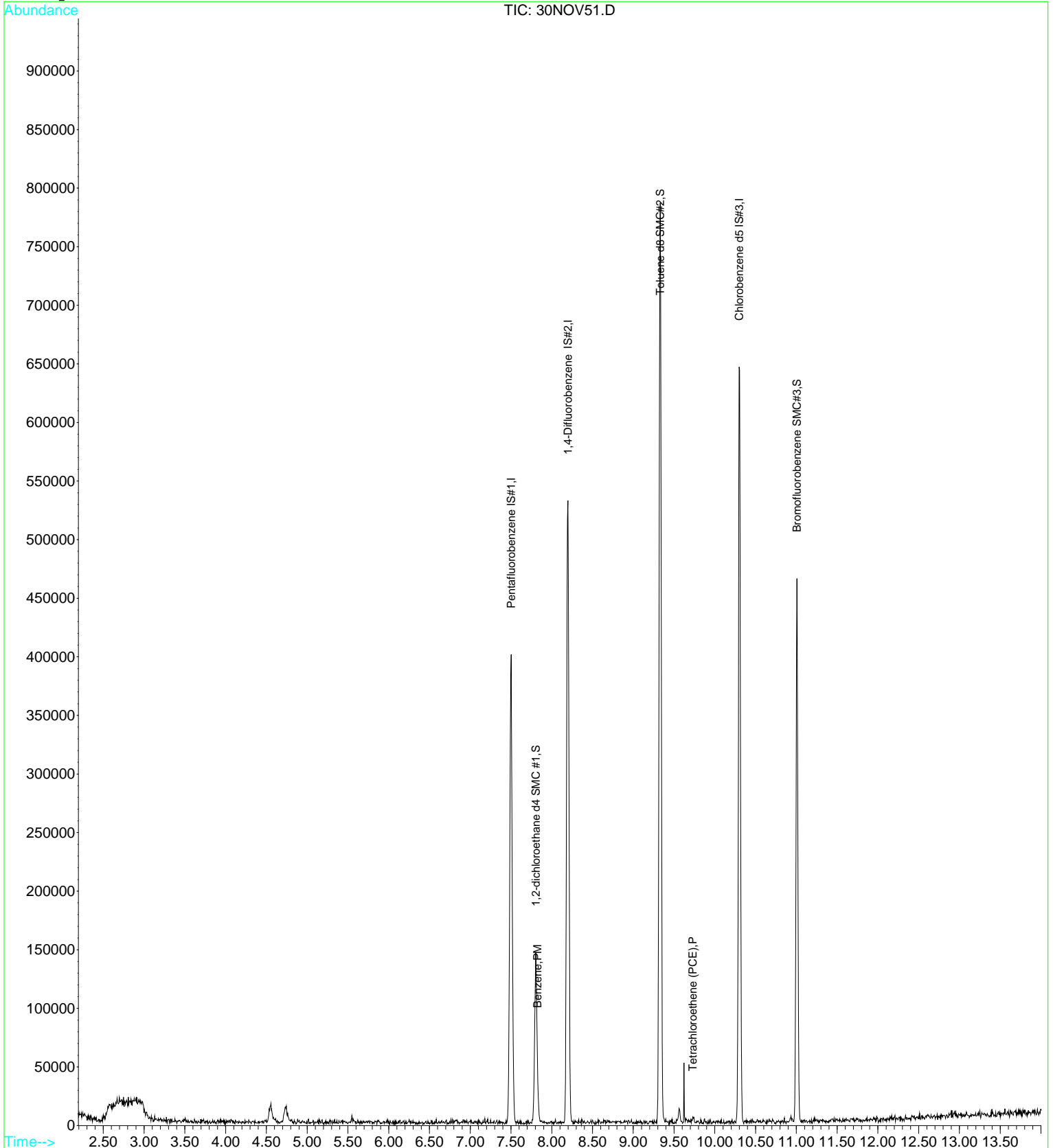
(#) = qualifier out of range (m) = manual integration

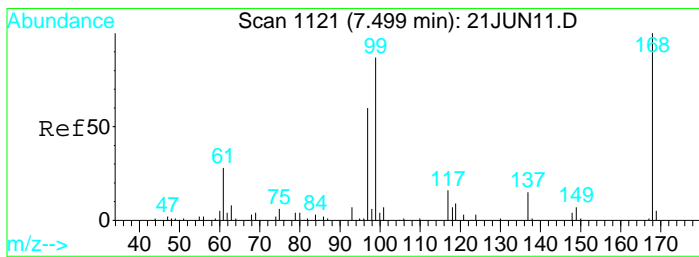
Data File : D:\DATA\NOV2023C\NOV30\30NOV51.D
Acq On : 1 Dec 2023 2:19 am
Sample : 2322252-02
Misc : 1 ;25ML;pH<2
MS Integration Params: rteint.p
Quant Time: Dec 1 11:31 2023

Vial: 51
Operator: MGC
Inst : MS-V5
Multiplr: 1.00

Quant Results File: 82605C.RES

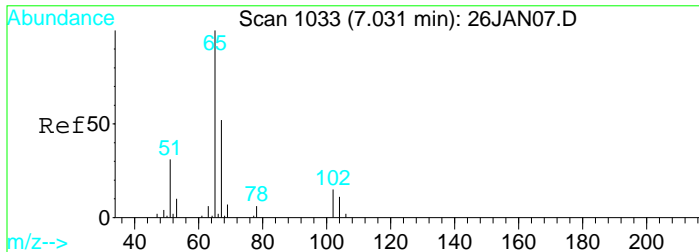
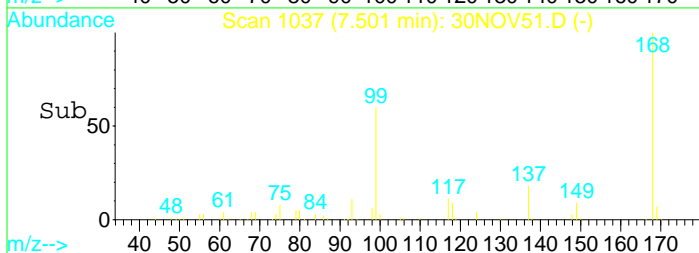
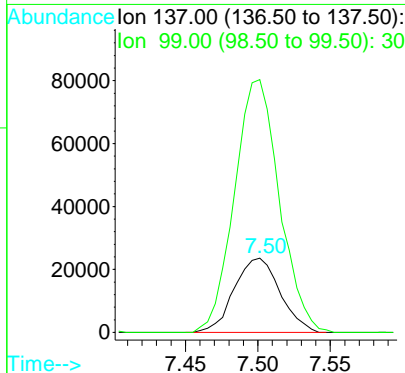
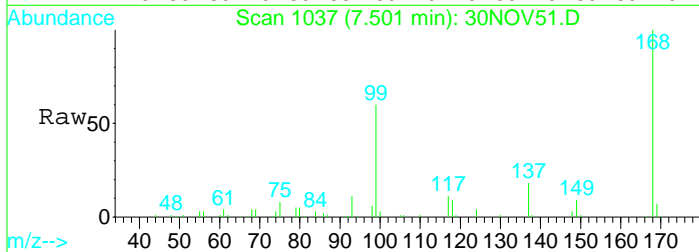
Method : C:\HPCHEM\1\METHODS\C\202311\26-0912\82605C.M (RTE Integrator)
Title : EPA Method 8260C/D
Last Update : Thu Nov 30 12:10:48 2023
Response via : Initial Calibration





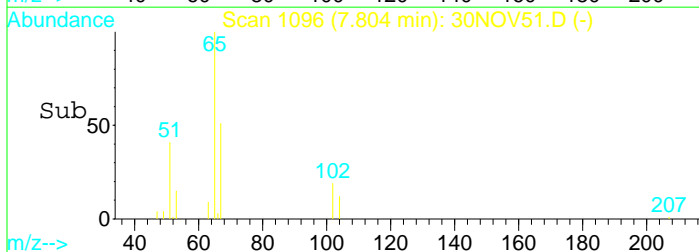
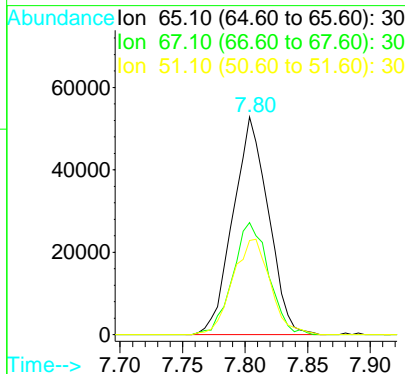
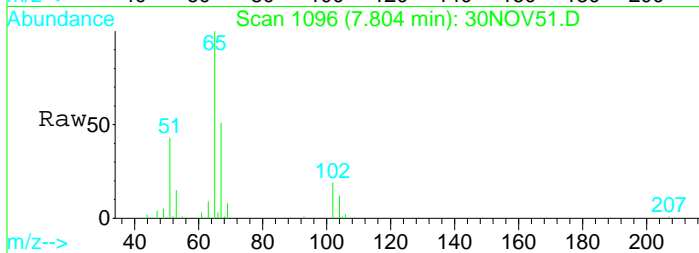
#1
 Pentafluorobenzene IS#1
 Concen: 10.00 ug/L
 RT: 7.50 min Scan# 1037
 Delta R.T. 0.00 min
 Lab File: 30NOV51.D
 Acq: 1 Dec 2023 2:19 am

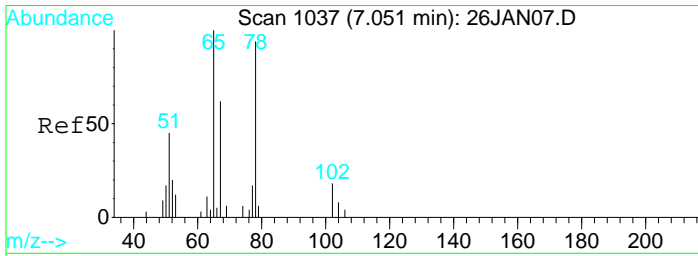
Tgt Ion: 137 Resp: 51804
 Ion Ratio Lower Upper
 137 100
 99 334.3 475.5 883.1#



#23
 1,2-dichloroethane d4 SMC #1
 Concen: N.D. ug/L
 RT: 7.80 min Scan# 1096
 Delta R.T. 0.00 min
 Lab File: 30NOV51.D
 Acq: 1 Dec 2023 2:19 am

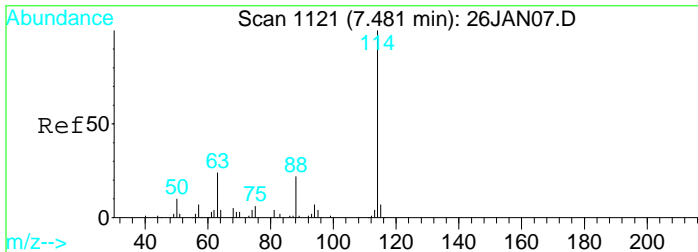
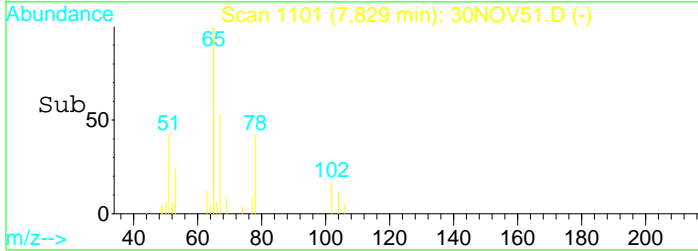
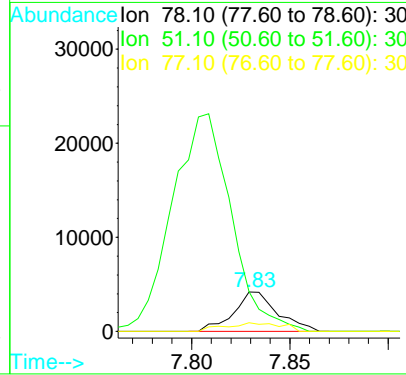
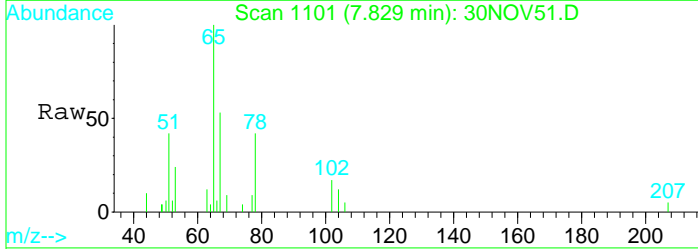
Tgt Ion: 65 Resp: 104217
 Ion Ratio Lower Upper
 65 100
 67 52.1 35.2 65.4
 51 46.5 119.7 222.3#





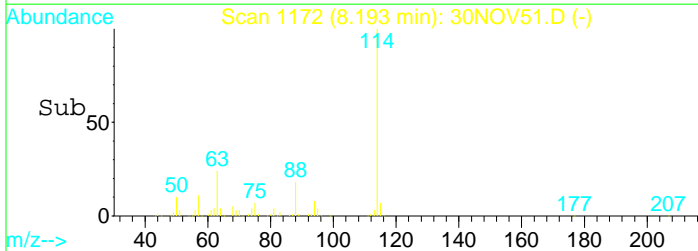
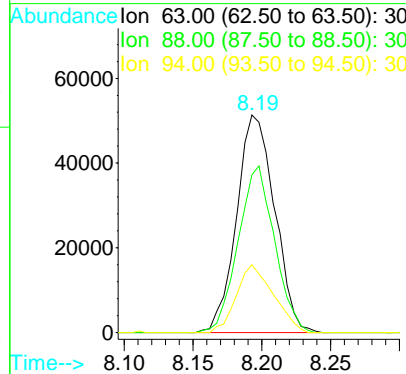
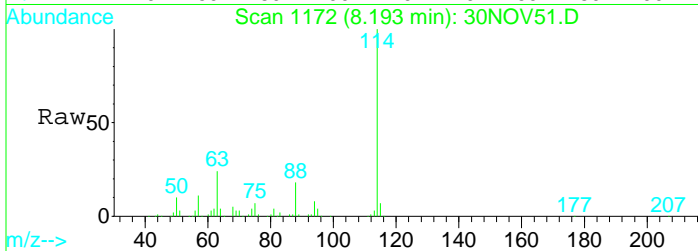
#25
Benzene
Concen: 0.11 ug/L
RT: 7.83 min Scan# 1101
Delta R.T. -0.00 min
Lab File: 30NOV51.D
Acq: 1 Dec 2023 2:19 am

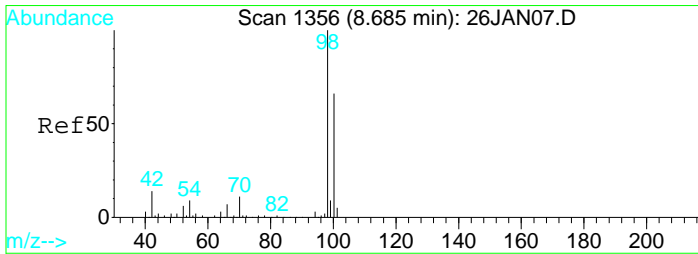
Tgt Ion	Resp	Lower	Upper
78	6516		
51	743.4	21.0	39.0#
77	27.8	17.5	32.5



#26
1,4-Difluorobenzene IS#2
Concen: 10.00 ug/L
RT: 8.19 min Scan# 1172
Delta R.T. -0.00 min
Lab File: 30NOV51.D
Acq: 1 Dec 2023 2:19 am

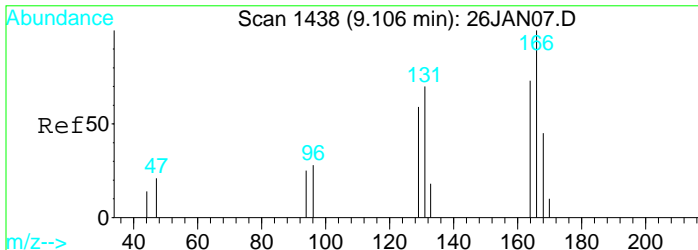
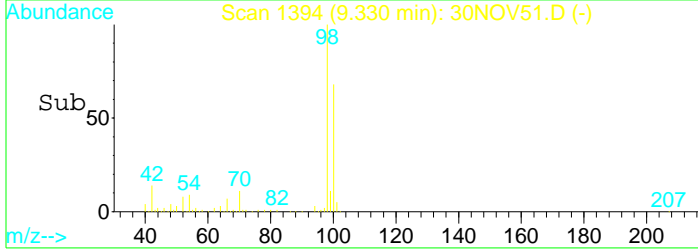
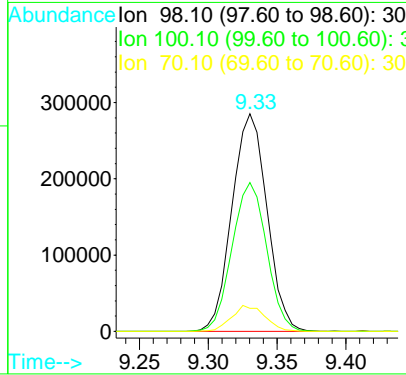
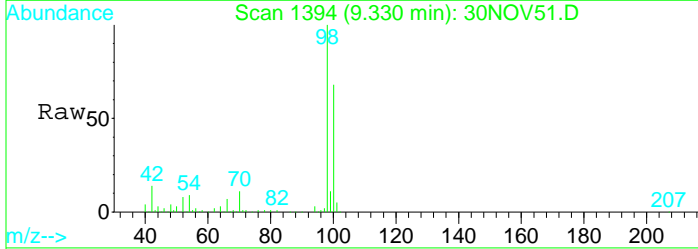
Tgt Ion	Resp	Lower	Upper
63	99183		
88	73.1	54.5	101.1
94	30.3	19.7	36.7





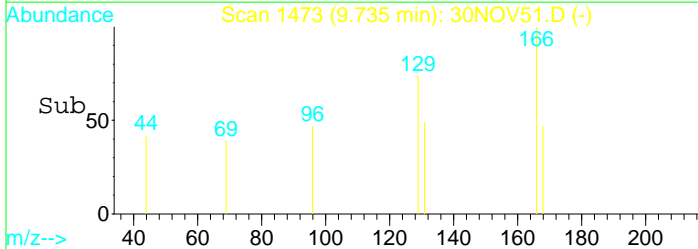
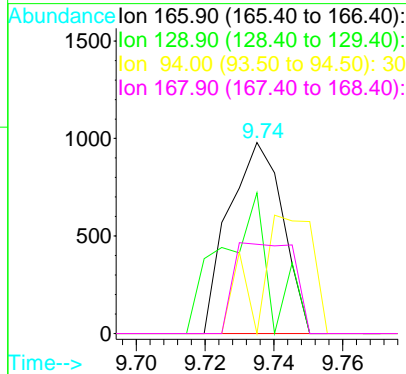
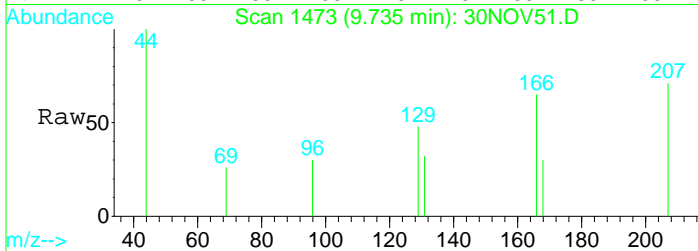
#33
 Toluene d8 SMC#2
 Concen: N.D. ug/L
 RT: 9.33 min Scan# 1394
 Delta R.T. 0.00 min
 Lab File: 30NOV51.D
 Acq: 1 Dec 2023 2:19 am

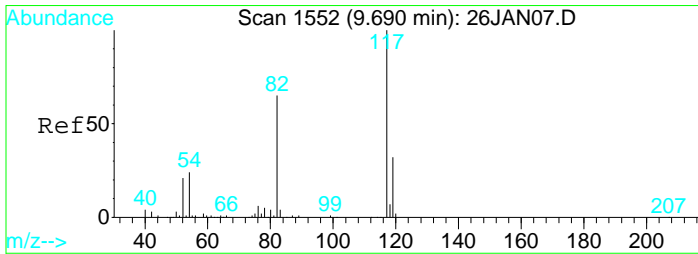
Tgt Ion	Resp	Lower	Upper
98	100		
100	67.4	47.5	88.1
70	11.4	8.1	15.1



#37
 Tetrachloroethene (PCE)
 Concen: 0.07 ug/L
 RT: 9.74 min Scan# 1473
 Delta R.T. 0.00 min
 Lab File: 30NOV51.D
 Acq: 1 Dec 2023 2:19 am

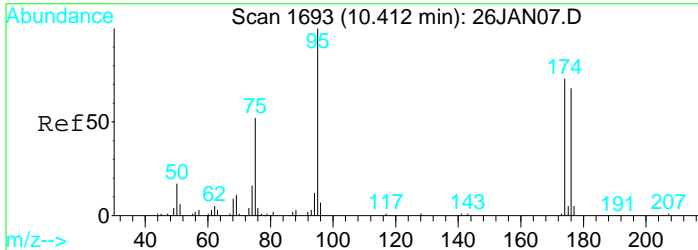
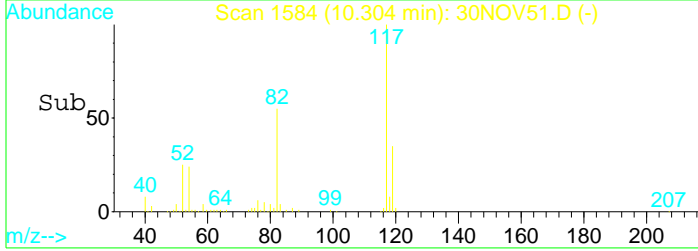
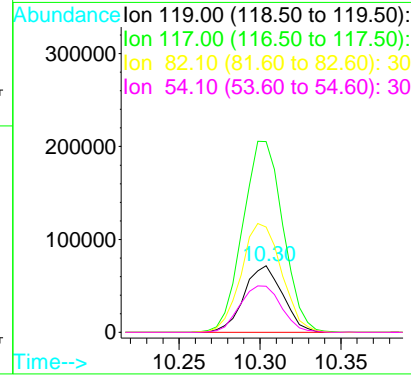
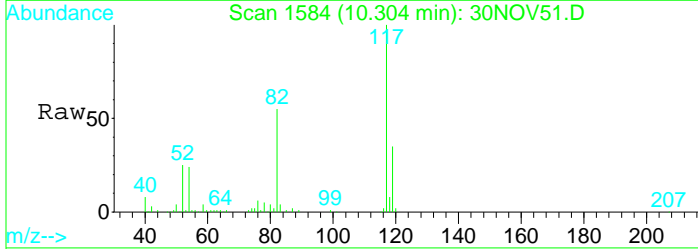
Tgt Ion	Resp	Lower	Upper
166	100		
129	66.9	55.6	103.4
94	62.5	32.4	60.2#
168	52.6	33.4	62.0





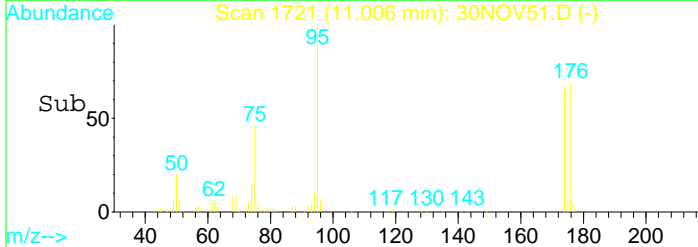
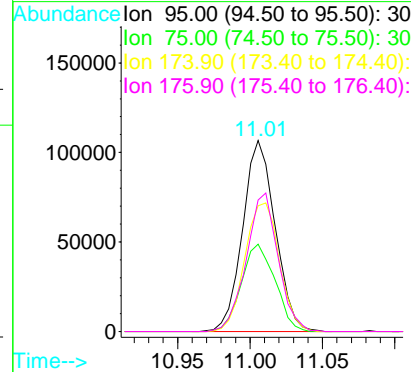
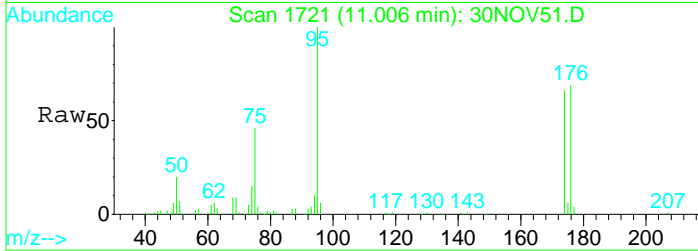
#41
 Chlorobenzene d5 IS#3
 Concen: 10.00 ug/L
 RT: 10.30 min Scan# 1584
 Delta R.T. 0.00 min
 Lab File: 30NOV51.D
 Acq: 1 Dec 2023 2:19 am

Tgt Ion	Resp	Lower	Upper
119	118263		
117	300.1	215.3	399.8
82	171.5	121.5	225.7
54	74.6	52.1	96.9



#51
 Bromofluorobenzene SMC#3
 Concen: N.D. ug/L
 RT: 11.01 min Scan# 1721
 Delta R.T. 0.00 min
 Lab File: 30NOV51.D
 Acq: 1 Dec 2023 2:19 am

Tgt Ion	Resp	Lower	Upper
95	166496		
75	47.4	32.5	60.3
174	71.4	50.4	93.6
176	70.6	49.4	91.8



Data File : D:\DATA\NOV2023C\NOV30\30NOV51.D
 Acq On : 1 Dec 2023 2:19 am
 Sample : 2322252-02
 Misc : 1 ;25ML;pH<2

Vial: 51
 Operator: MGC
 Inst : MS-V5
 Multiplr: 1.00

MS Integration Params: rteint.p
 Quant Time: Dec 1 11:31 2023

Quant Results File: 82605CX.RES

Quant Method : C:\HPCHEM\1...\82605CX.M (RTE Integrator)
 Title : EPA Method 8260C/DX
 Last Update : Fri Dec 01 08:39:53 2023
 Response via : Initial Calibration
 DataAcq Meth : 82605

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene IS#1	7.50	137	51804	10.00	ug/L	0.00
29) 1,4-Difluorobenzene IS#2	8.19	63	99183	10.00	ug/L	0.00
36) Chlorobenzene d5 IS#3	10.30	119	118263	10.00	ug/L	0.00

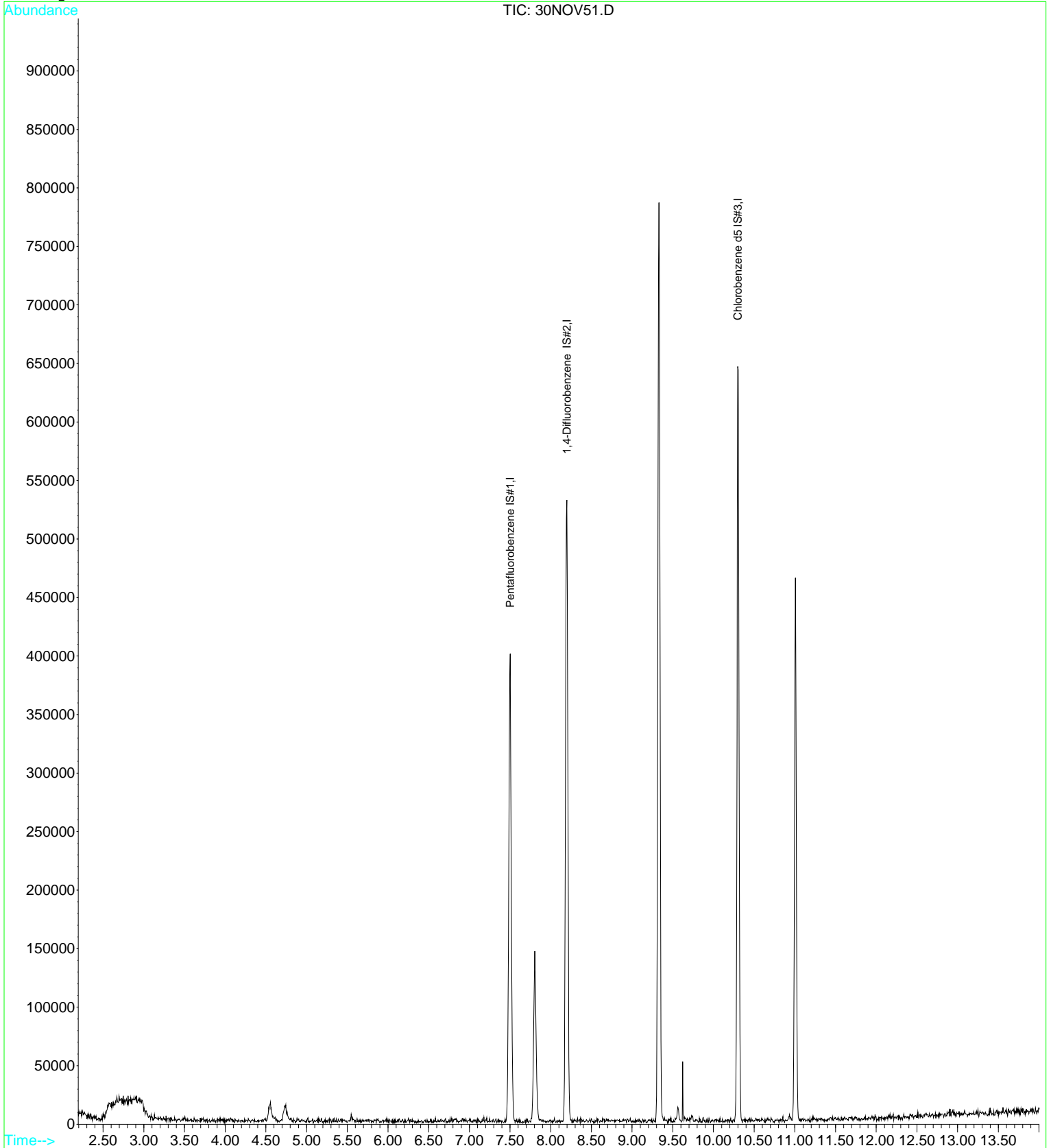
Target Compounds Qvalue

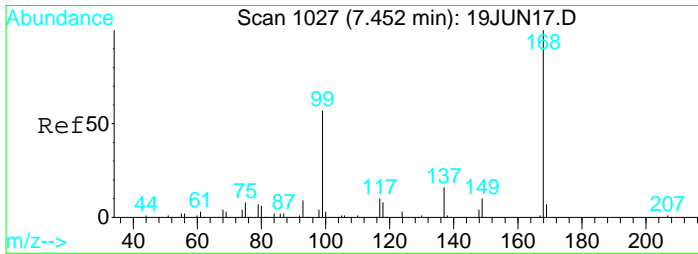
Data File : D:\DATA\NOV2023C\NOV30\30NOV51.D
Acq On : 1 Dec 2023 2:19 am
Sample : 2322252-02
Misc : 1 ;25ML;pH<2
MS Integration Params: rteint.p
Quant Time: Dec 1 11:31 2023

Vial: 51
Operator: MGC
Inst : MS-V5
Multiplr: 1.00

Quant Results File: 82605CX.RES

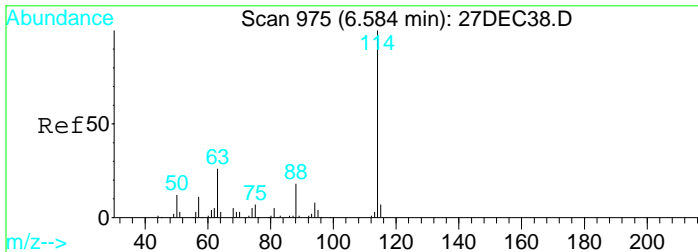
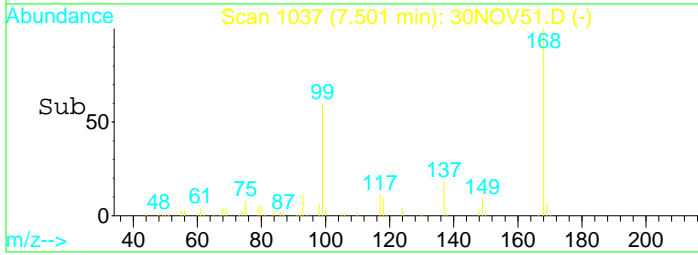
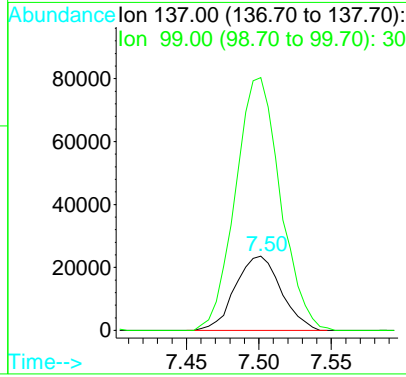
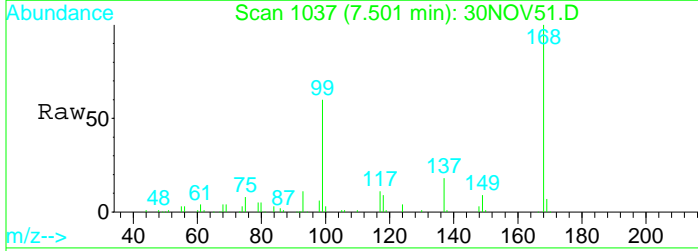
Method : C:\HPCHEM\1\METHODS\C\202311\26-1336\82605CX.M (RTE Integrator)
Title : EPA Method 8260C/DX
Last Update : Fri Dec 01 08:39:53 2023
Response via : Initial Calibration





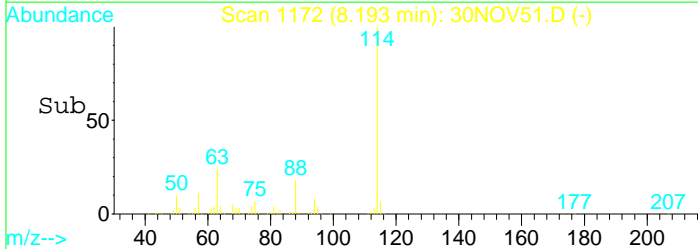
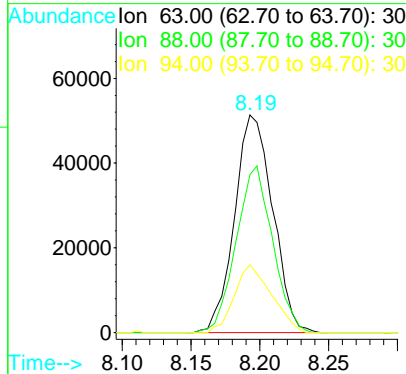
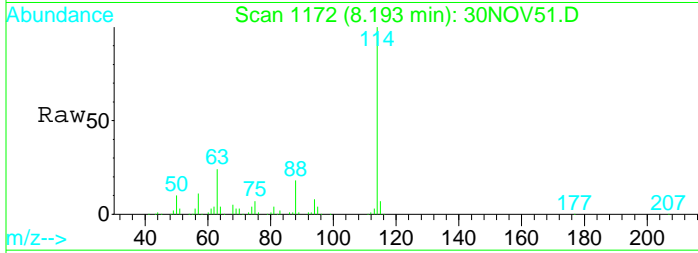
#1
 Pentafluorobenzene IS#1
 Concen: 10.00 ug/L
 RT: 7.50 min Scan# 1037
 Delta R.T. 0.01 min
 Lab File: 30NOV51.D
 Acq: 1 Dec 2023 2:19 am

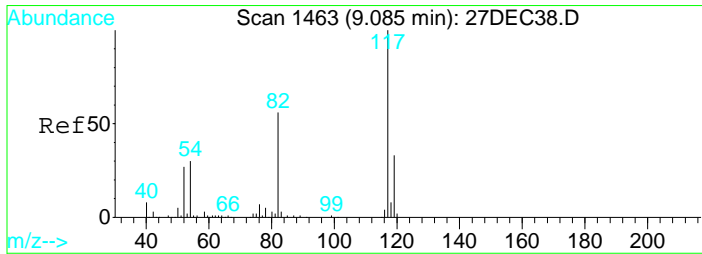
Tgt Ion	Resp	Lower	Upper
137	100		
99	334.3	235.9	438.1



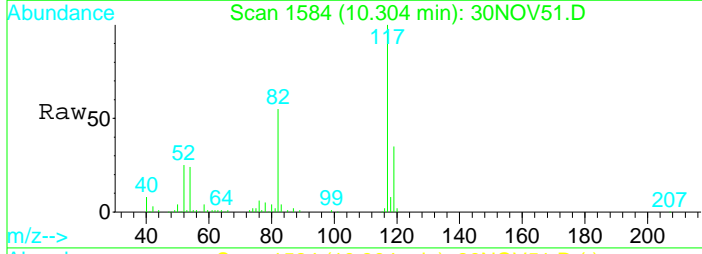
#29
 1,4-Difluorobenzene IS#2
 Concen: 10.00 ug/L
 RT: 8.19 min Scan# 1172
 Delta R.T. -0.01 min
 Lab File: 30NOV51.D
 Acq: 1 Dec 2023 2:19 am

Tgt Ion	Resp	Lower	Upper
63	100		
88	73.1	51.3	95.3
94	30.3	19.7	36.5



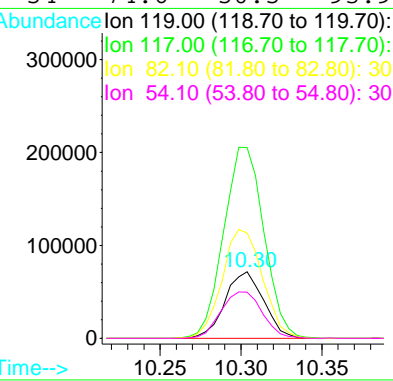
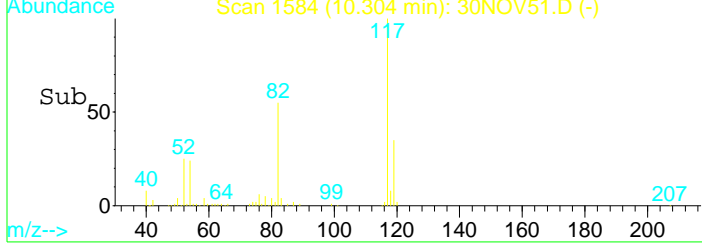


#36
 Chlorobenzene d5 IS#3
 Concen: 10.00 ug/L
 RT: 10.30 min Scan# 1584
 Delta R.T. -0.00 min
 Lab File: 30NOV51.D
 Acq: 1 Dec 2023 2:19 am



Tgt Ion:119 Resp: 118263

Ion	Ratio	Lower	Upper
119	100		
117	300.1	215.3	399.9
82	171.5	119.8	222.4
54	74.6	50.5	93.9



Data File : D:\DATA\NOV2023C\NOV30\30NOV52.D
 Acq On : 1 Dec 2023 2:43 am
 Sample : 2322252-03
 Misc : 1 ;25ML;pH<2

Vial: 52
 Operator: MGC
 Inst : MS-V5
 Multiplr: 1.00

MS Integration Params: rteint.p
 Quant Time: Dec 1 11:32 2023

Quant Results File: 82605C.RES

Quant Method : C:\HPCHEM\1...\82605C.M (RTE Integrator)
 Title : EPA Method 8260C/D
 Last Update : Thu Nov 30 12:10:48 2023
 Response via : Initial Calibration
 DataAcq Meth : 82605

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene IS#1	7.50	137	47795	10.00	ug/L	0.00
26) 1,4-Difluorobenzene IS#2	8.20	63	91487	10.00	ug/L	0.00
41) Chlorobenzene d5 IS#3	10.30	119	107964	10.00	ug/L	0.00

System Monitoring Compounds

23) 1,2-dichloroethane d4 SMC	7.80	65	97280	10.32	ug/L	0.00
Spiked Amount	10.000	Range	75 - 125	Recovery	=	103.20%
33) Toluene d8 SMC#2	9.33	98	475458	10.11	ug/L	0.00
Spiked Amount	10.000	Range	80 - 120	Recovery	=	101.10%
51) Bromofluorobenzene SMC#3	11.01	95	158433	10.19	ug/L	0.00
Spiked Amount	10.000	Range	80 - 120	Recovery	=	101.90%

Target Compounds

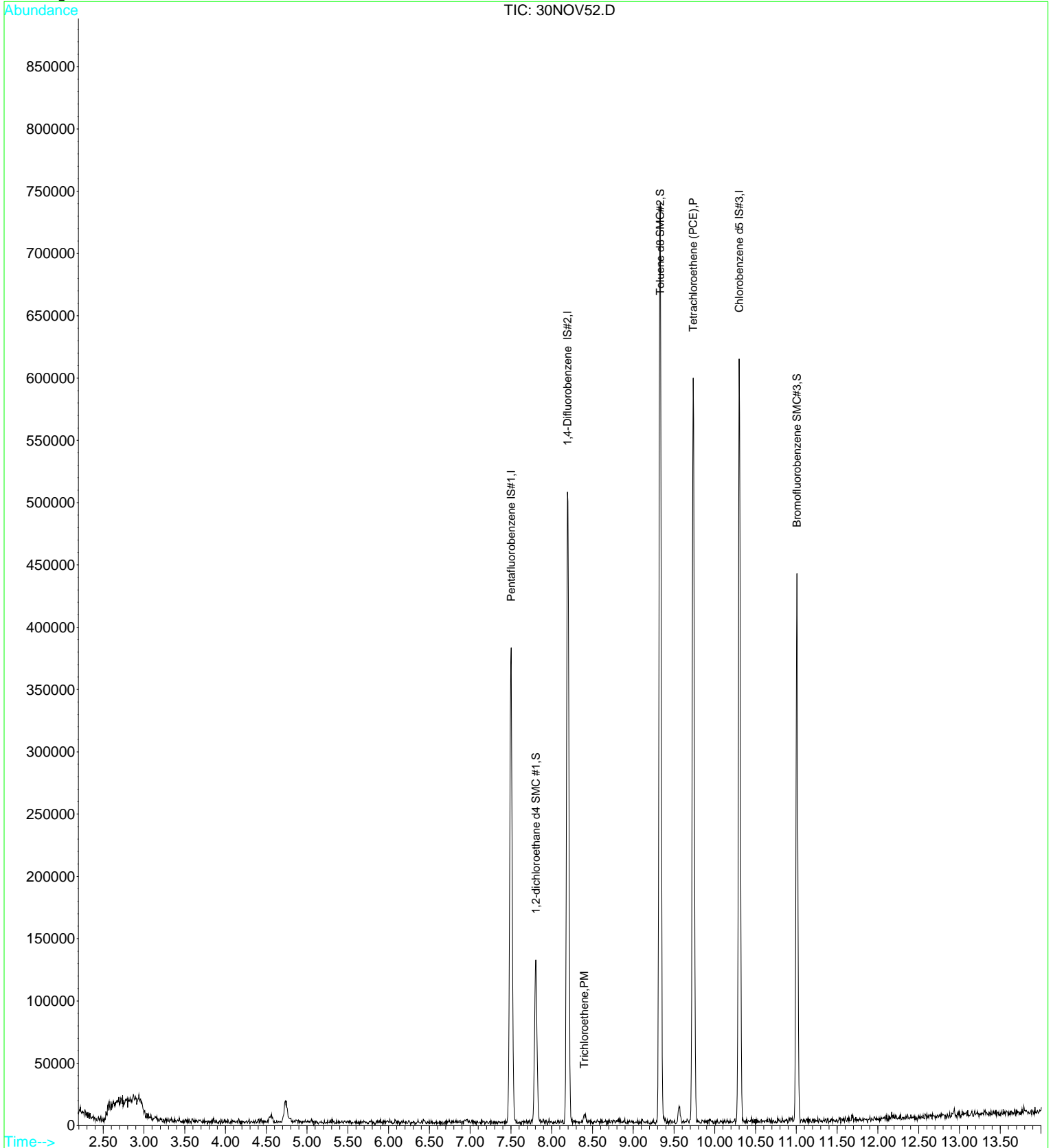
	R.T.	QIon	Response	Conc	Units	Qvalue
27) Trichloroethene	8.40	130	2613	0.18	ug/L	82
37) Tetrachloroethene (PCE)	9.74	166	162015	11.67	ug/L	97

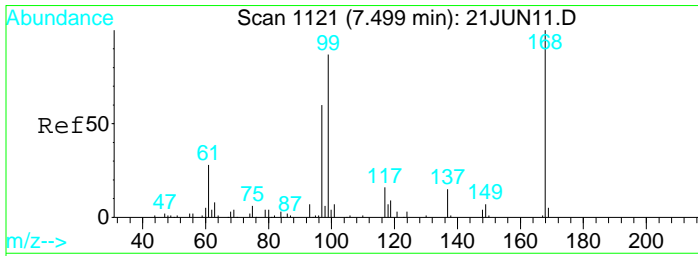
Data File : D:\DATA\NOV2023C\NOV30\30NOV52.D
Acq On : 1 Dec 2023 2:43 am
Sample : 2322252-03
Misc : 1 ;25ML;pH<2
MS Integration Params: rteint.p
Quant Time: Dec 1 11:32 2023

Vial: 52
Operator: MGC
Inst : MS-V5
Multiplr: 1.00

Quant Results File: 82605C.RES

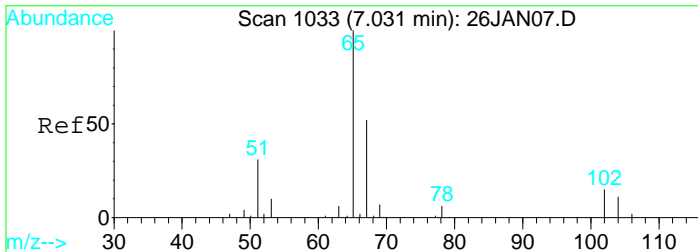
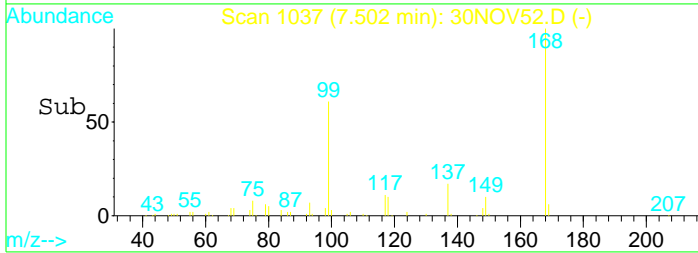
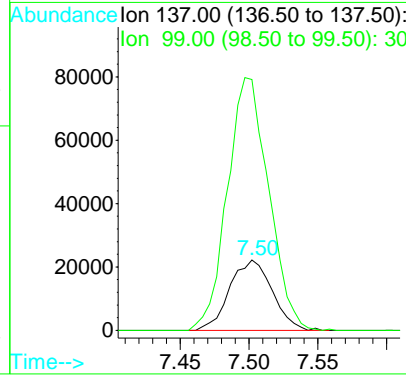
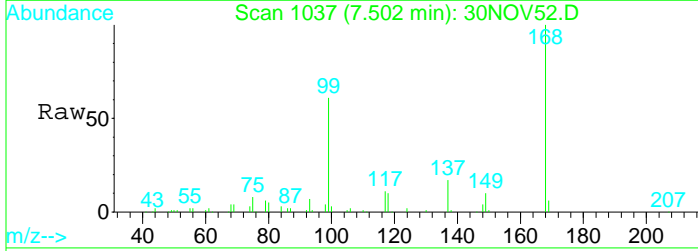
Method : C:\HPCHEM\1\METHODS\C\202311\26-0912\82605C.M (RTE Integrator)
Title : EPA Method 8260C/D
Last Update : Thu Nov 30 12:10:48 2023
Response via : Initial Calibration





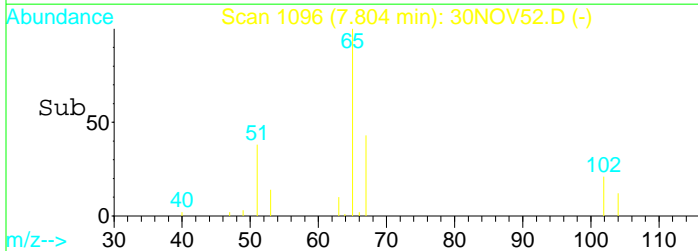
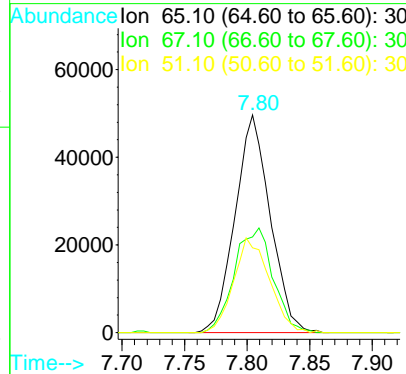
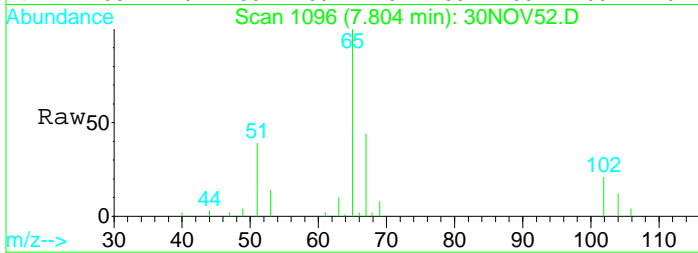
#1
 Pentafluorobenzene IS#1
 Concen: 10.00 ug/L
 RT: 7.50 min Scan# 1037
 Delta R.T. 0.00 min
 Lab File: 30NOV52.D
 Acq: 1 Dec 2023 2:43 am

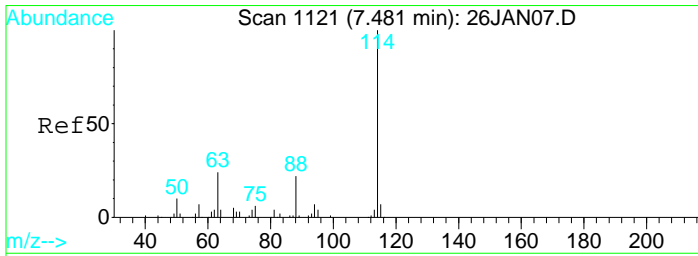
Tgt Ion	Resp	Lower	Upper
137	100		
99	348.5	475.5	883.1#



#23
 1,2-dichloroethane d4 SMC #1
 Concen: Below ug/L
 RT: 7.80 min Scan# 1096
 Delta R.T. 0.00 min
 Lab File: 30NOV52.D
 Acq: 1 Dec 2023 2:43 am

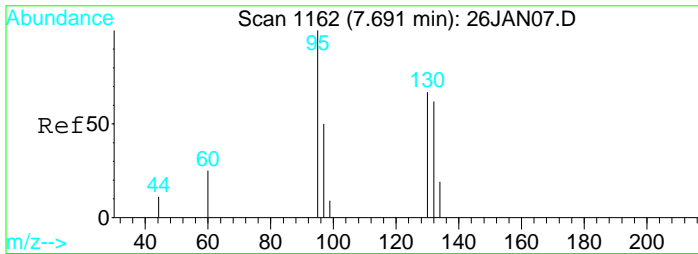
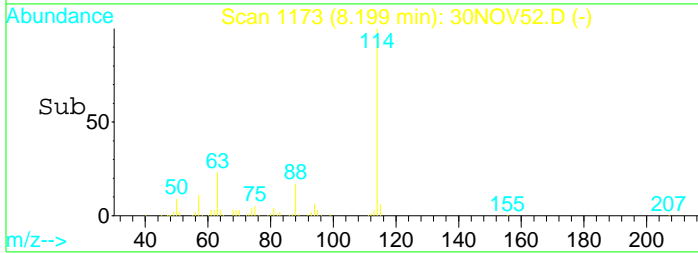
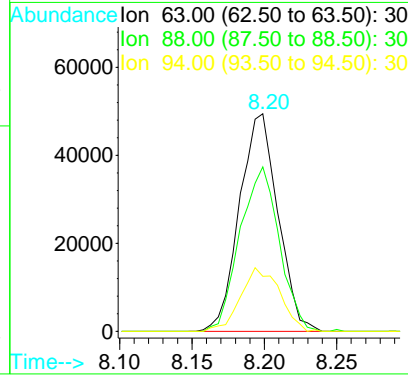
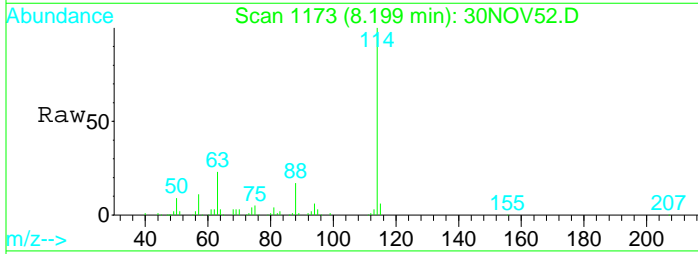
Tgt Ion	Resp	Lower	Upper
65	100		
67	53.0	35.2	65.4
51	44.2	119.7	222.3#





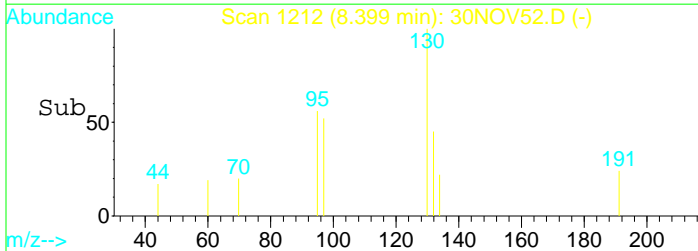
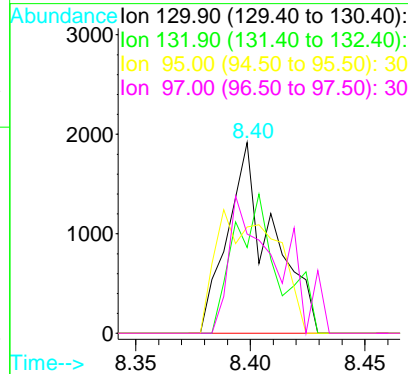
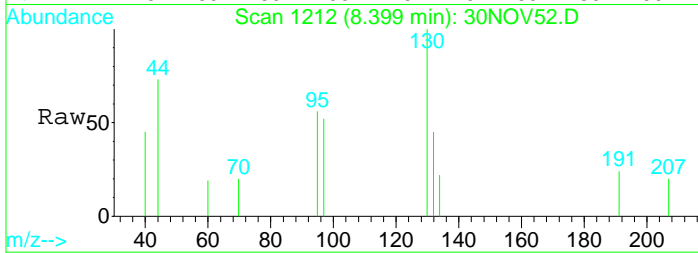
#26
 1,4-Difluorobenzene IS#2
 Concen: 10.00 ug/L
 RT: 8.20 min Scan# 1173
 Delta R.T. 0.00 min
 Lab File: 30NOV52.D
 Acq: 1 Dec 2023 2:43 am

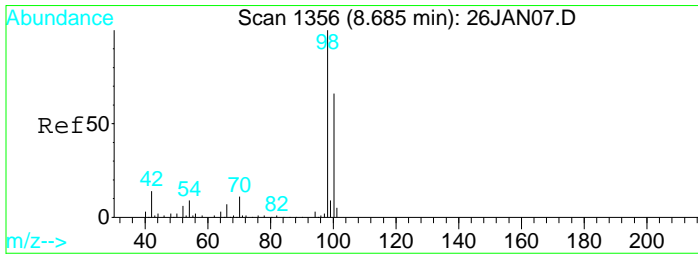
Tgt Ion	Resp	Lower	Upper
63	100		
88	77.0	54.5	101.1
94	29.7	19.7	36.7



#27
 Trichloroethene
 Concen: 0.18 ug/L
 RT: 8.40 min Scan# 1212
 Delta R.T. 0.00 min
 Lab File: 30NOV52.D
 Acq: 1 Dec 2023 2:43 am

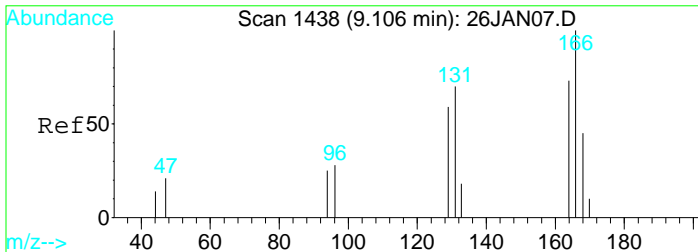
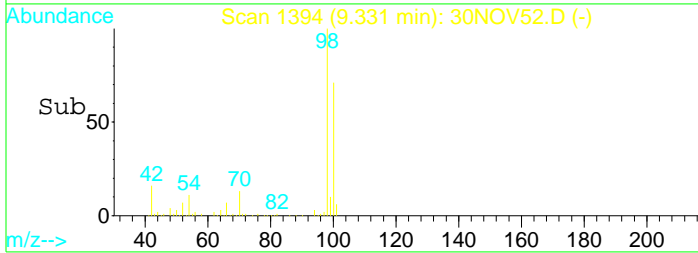
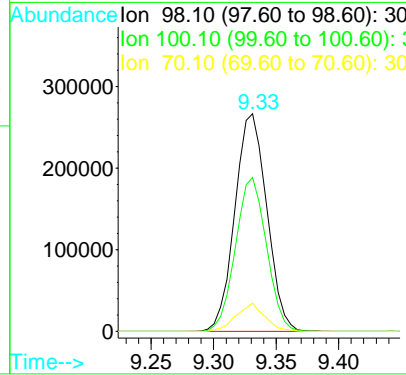
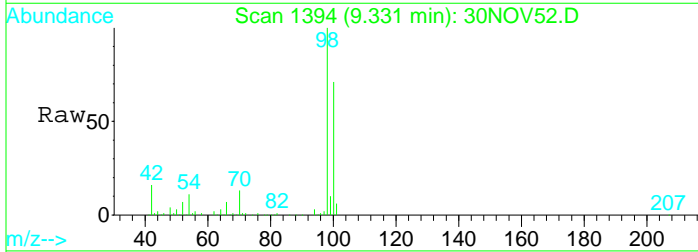
Tgt Ion	Resp	Lower	Upper
130	100		
132	72.0	66.7	123.9
95	86.2	69.4	129.0
97	78.5	45.8	85.2





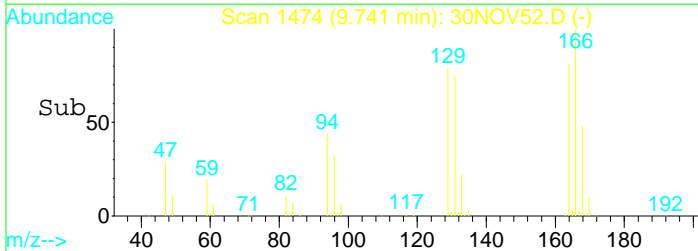
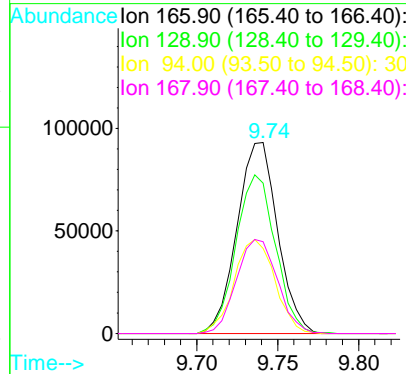
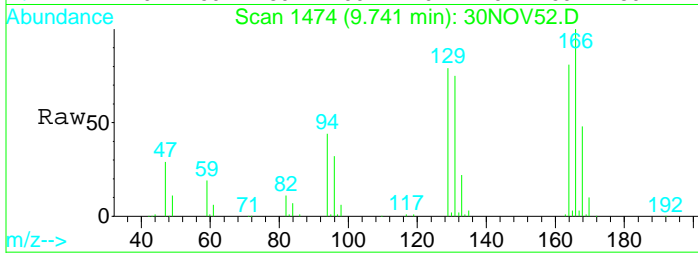
#33
 Toluene d8 SMC#2
 Concen: N.D. ug/L
 RT: 9.33 min Scan# 1394
 Delta R.T. 0.00 min
 Lab File: 30NOV52.D
 Acq: 1 Dec 2023 2:43 am

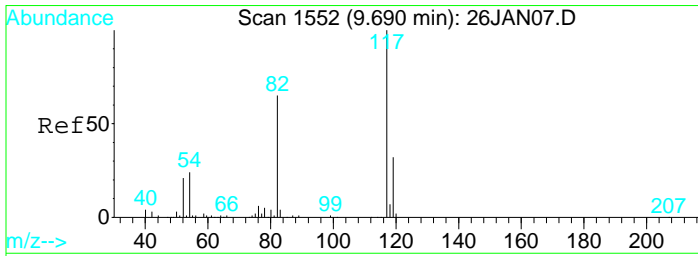
Tgt Ion	Resp	Lower	Upper
98	100		
100	68.3	47.5	88.1
70	11.5	8.1	15.1



#37
 Tetrachloroethene (PCE)
 Concen: 11.67 ug/L
 RT: 9.74 min Scan# 1474
 Delta R.T. 0.01 min
 Lab File: 30NOV52.D
 Acq: 1 Dec 2023 2:43 am

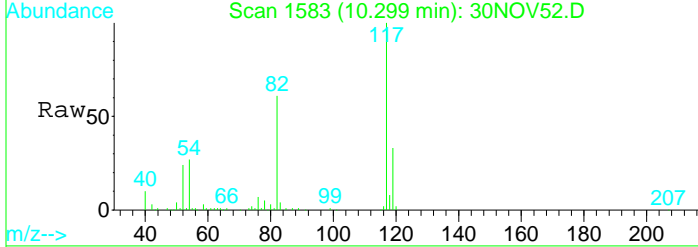
Tgt Ion	Resp	Lower	Upper
166	100		
129	80.8	55.6	103.4
94	49.4	32.4	60.2
168	49.9	33.4	62.0



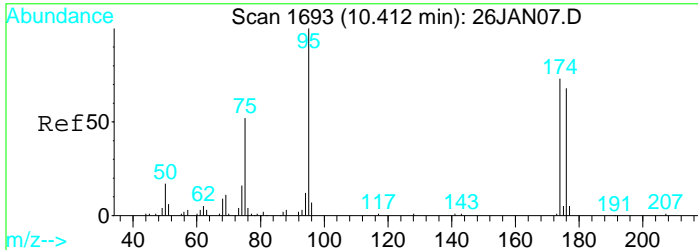
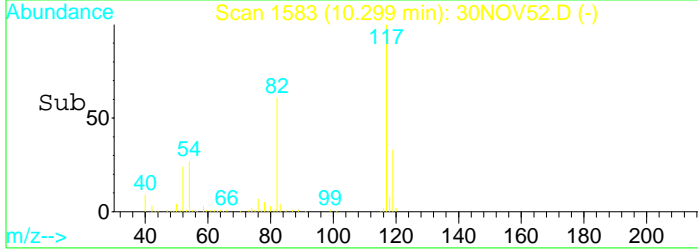
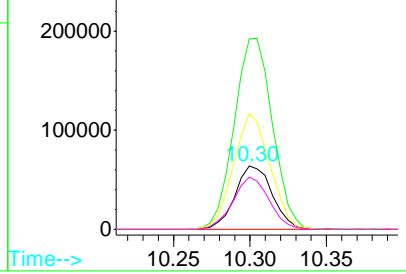


#41
 Chlorobenzene d5 IS#3
 Concen: 10.00 ug/L
 RT: 10.30 min Scan# 1583
 Delta R.T. -0.00 min
 Lab File: 30NOV52.D
 Acq: 1 Dec 2023 2:43 am

Tgt Ion	Resp	Lower	Upper
119	107964		
117	310.1	215.3	399.8
82	178.5	121.5	225.7
54	79.9	52.1	96.9



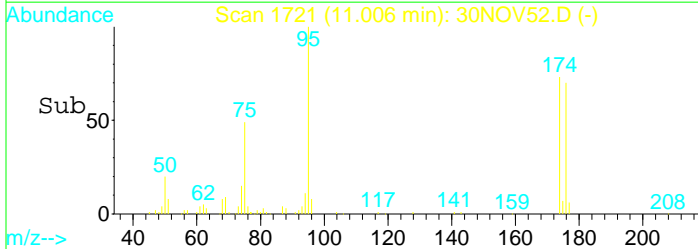
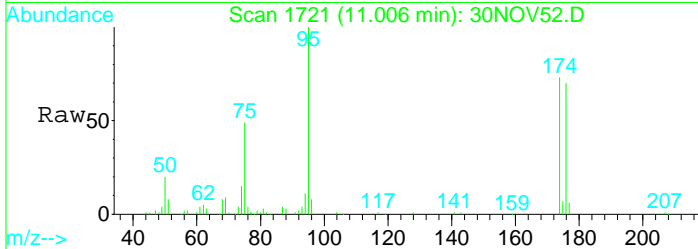
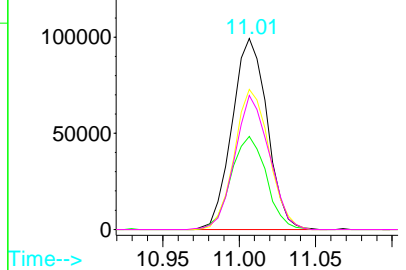
Abundance Ion 119.00 (118.50 to 119.50):
 Ion 117.00 (116.50 to 117.50):
 Ion 82.10 (81.60 to 82.60):
 Ion 54.10 (53.60 to 54.60):



#51
 Bromofluorobenzene SMC#3
 Concen: Below ug/L
 RT: 11.01 min Scan# 1721
 Delta R.T. 0.00 min
 Lab File: 30NOV52.D
 Acq: 1 Dec 2023 2:43 am

Tgt Ion	Resp	Lower	Upper
95	158433		
95	100		
75	48.9	32.5	60.3
174	72.6	50.4	93.6
176	68.8	49.4	91.8

Abundance Ion 95.00 (94.50 to 95.50):
 Ion 75.00 (74.50 to 75.50):
 Ion 173.90 (173.40 to 174.40):
 Ion 175.90 (175.40 to 176.40):



Data File : D:\DATA\NOV2023C\NOV30\30NOV52.D
 Acq On : 1 Dec 2023 2:43 am
 Sample : 2322252-03
 Misc : 1 ;25ML;pH<2

Vial: 52
 Operator: MGC
 Inst : MS-V5
 Multiplr: 1.00

MS Integration Params: rteint.p
 Quant Time: Dec 1 11:32 2023

Quant Results File: 82605CX.RES

Quant Method : C:\HPCHEM\1...\82605CX.M (RTE Integrator)
 Title : EPA Method 8260C/DX
 Last Update : Fri Dec 01 08:39:53 2023
 Response via : Initial Calibration
 DataAcq Meth : 82605

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene IS#1	7.50	137	47795	10.00	ug/L	0.00
29) 1,4-Difluorobenzene IS#2	8.20	63	91487	10.00	ug/L	0.00
36) Chlorobenzene d5 IS#3	10.30	119	107964	10.00	ug/L	0.00

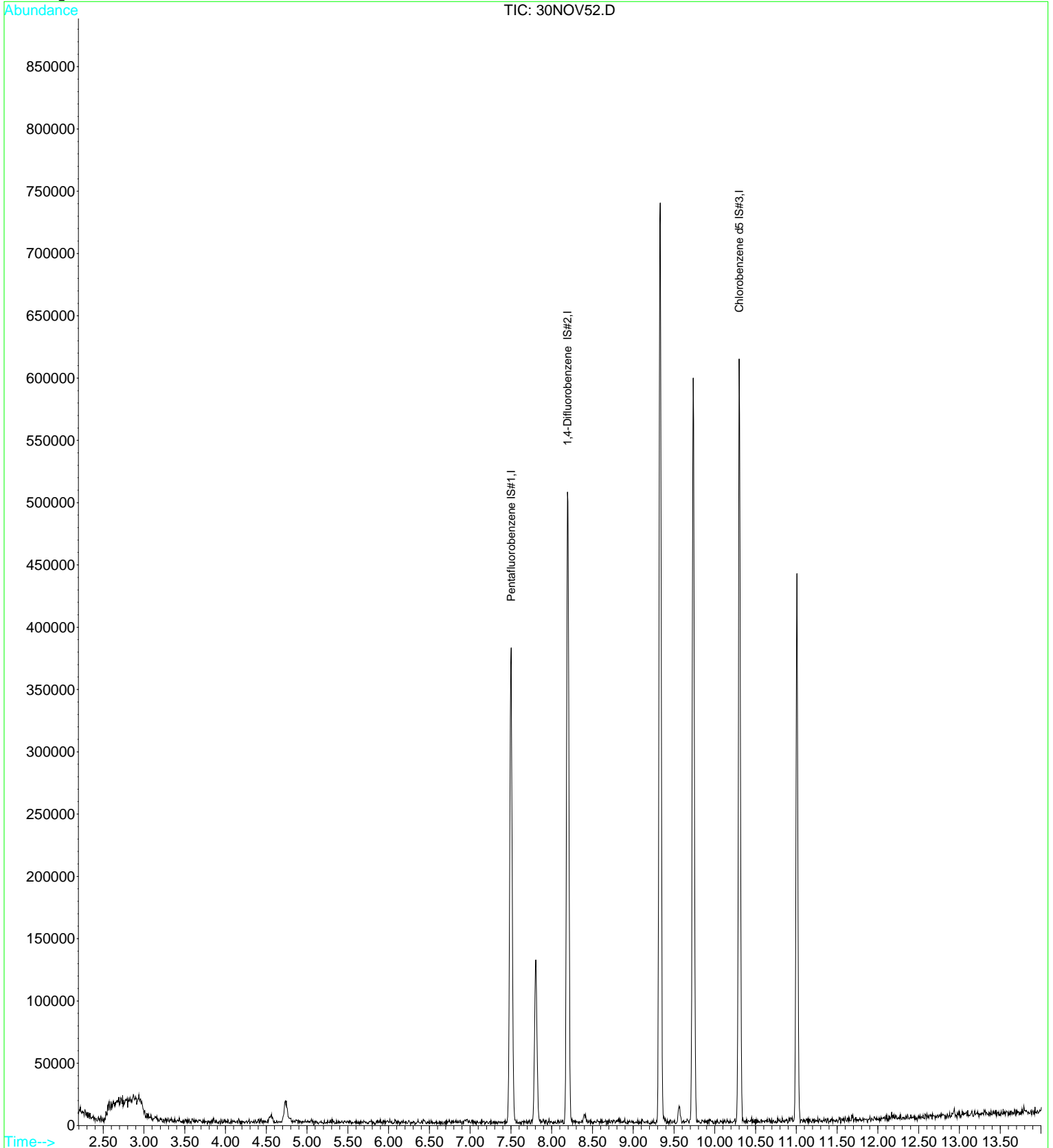
Target Compounds Qvalue

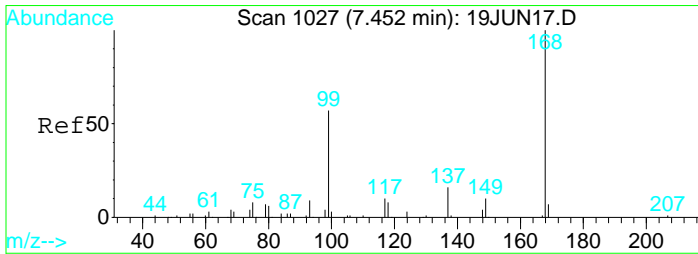
Data File : D:\DATA\NOV2023C\NOV30\30NOV52.D
Acq On : 1 Dec 2023 2:43 am
Sample : 2322252-03
Misc : 1 ;25ML;pH<2
MS Integration Params: rteint.p
Quant Time: Dec 1 11:32 2023

Vial: 52
Operator: MGC
Inst : MS-V5
Multiplr: 1.00

Quant Results File: 82605CX.RES

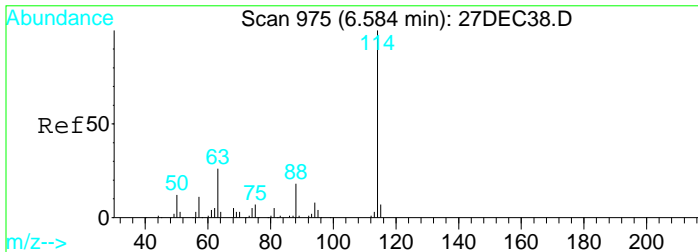
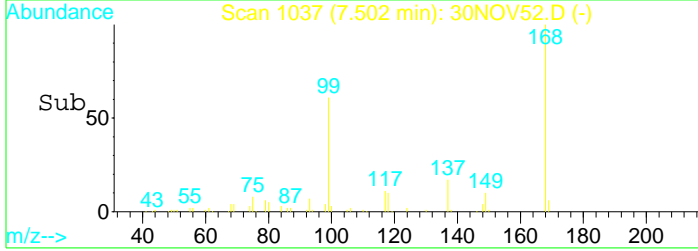
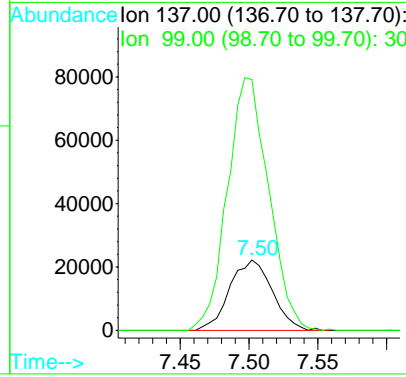
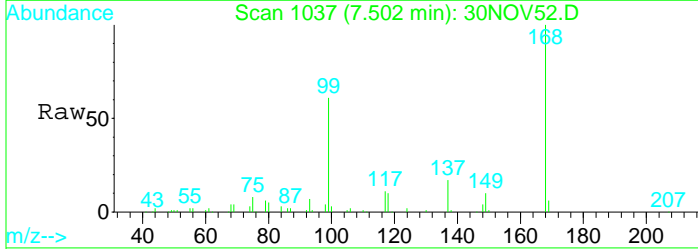
Method : C:\HPCHEM\1\METHODS\C\202311\26-1336\82605CX.M (RTE Integrator)
Title : EPA Method 8260C/DX
Last Update : Fri Dec 01 08:39:53 2023
Response via : Initial Calibration





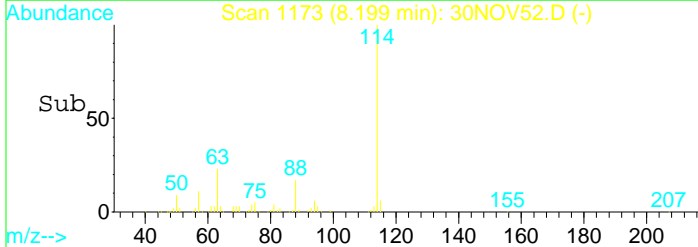
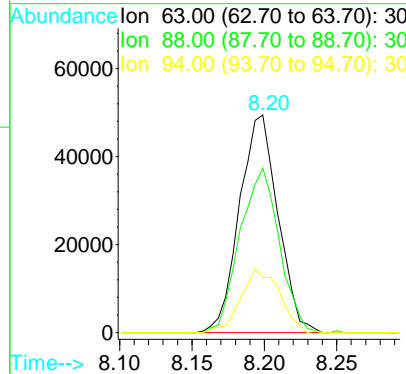
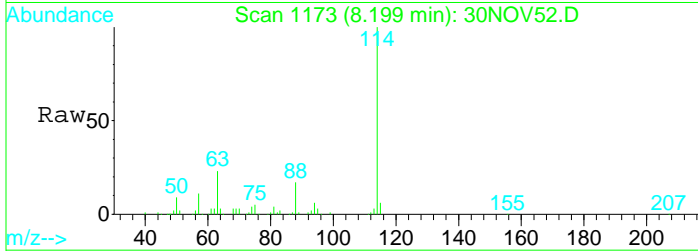
#1
 Pentafluorobenzene IS#1
 Concen: 10.00 ug/L
 RT: 7.50 min Scan# 1037
 Delta R.T. 0.01 min
 Lab File: 30NOV52.D
 Acq: 1 Dec 2023 2:43 am

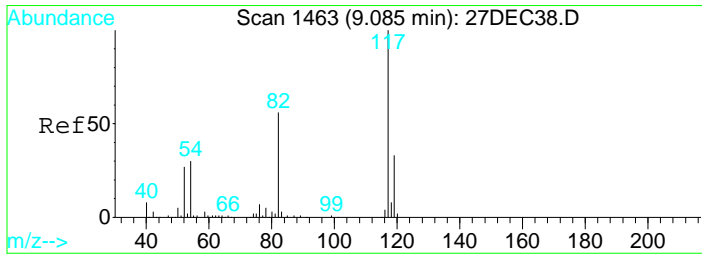
Tgt Ion	Resp	Lower	Upper
137	100		
99	348.5	235.9	438.1



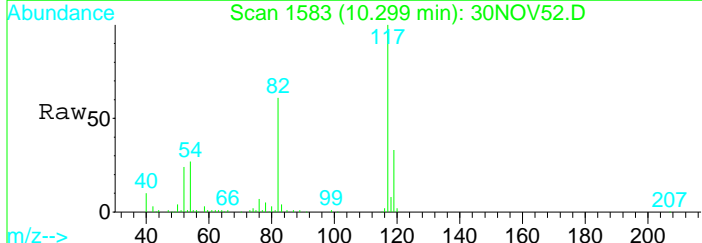
#29
 1,4-Difluorobenzene IS#2
 Concen: 10.00 ug/L
 RT: 8.20 min Scan# 1173
 Delta R.T. 0.00 min
 Lab File: 30NOV52.D
 Acq: 1 Dec 2023 2:43 am

Tgt Ion	Resp	Lower	Upper
63	100		
88	77.0	51.3	95.3
94	29.7	19.7	36.5



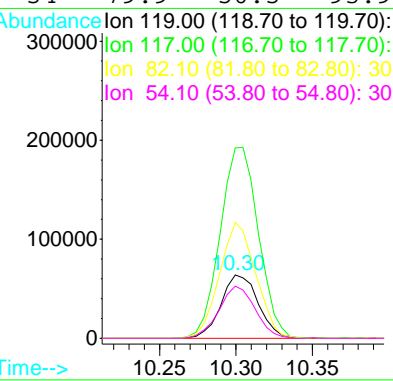
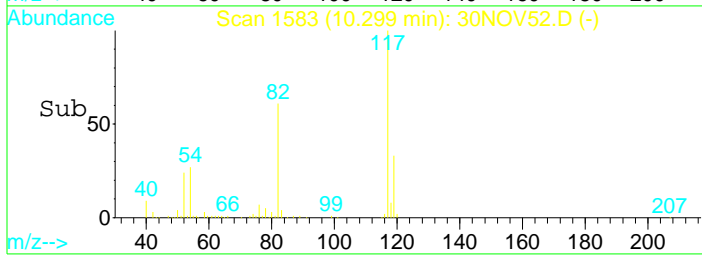


#36
 Chlorobenzene d5 IS#3
 Concen: 10.00 ug/L
 RT: 10.30 min Scan# 1583
 Delta R.T. -0.00 min
 Lab File: 30NOV52.D
 Acq: 1 Dec 2023 2:43 am



Tgt Ion:119 Resp: 107964

Ion	Ratio	Lower	Upper
119	100		
117	310.1	215.3	399.9
82	178.5	119.8	222.4
54	79.9	50.5	93.9



Data File : D:\DATA\NOV2023C\NOV30\30NOV53.D
 Acq On : 1 Dec 2023 3:07 am
 Sample : 2322252-04
 Misc : 1 ;25ML;pH<2

Vial: 53
 Operator: MGC
 Inst : MS-V5
 Multiplr: 1.00

MS Integration Params: rteint.p
 Quant Time: Dec 1 11:33 2023

Quant Results File: 82605C.RES

Quant Method : C:\HPCHEM\1...\82605C.M (RTE Integrator)
 Title : EPA Method 8260C/D
 Last Update : Thu Nov 30 12:10:48 2023
 Response via : Initial Calibration
 DataAcq Meth : 82605

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene IS#1	7.50	137	50452	10.00	ug/L	0.00
26) 1,4-Difluorobenzene IS#2	8.20	63	105708	10.00	ug/L	0.00
41) Chlorobenzene d5 IS#3	10.30	119	123369	10.00	ug/L	0.00

System Monitoring Compounds

23) 1,2-dichloroethane d4 SMC	7.80	65	108199	10.88	ug/L	0.00
Spiked Amount	10.000	Range	75 - 125	Recovery	=	108.80%
33) Toluene d8 SMC#2	9.33	98	526064	9.69	ug/L	0.00
Spiked Amount	10.000	Range	80 - 120	Recovery	=	96.90%
51) Bromofluorobenzene SMC#3	11.01	95	177897	10.02	ug/L	0.00
Spiked Amount	10.000	Range	80 - 120	Recovery	=	100.20%

Target Compounds

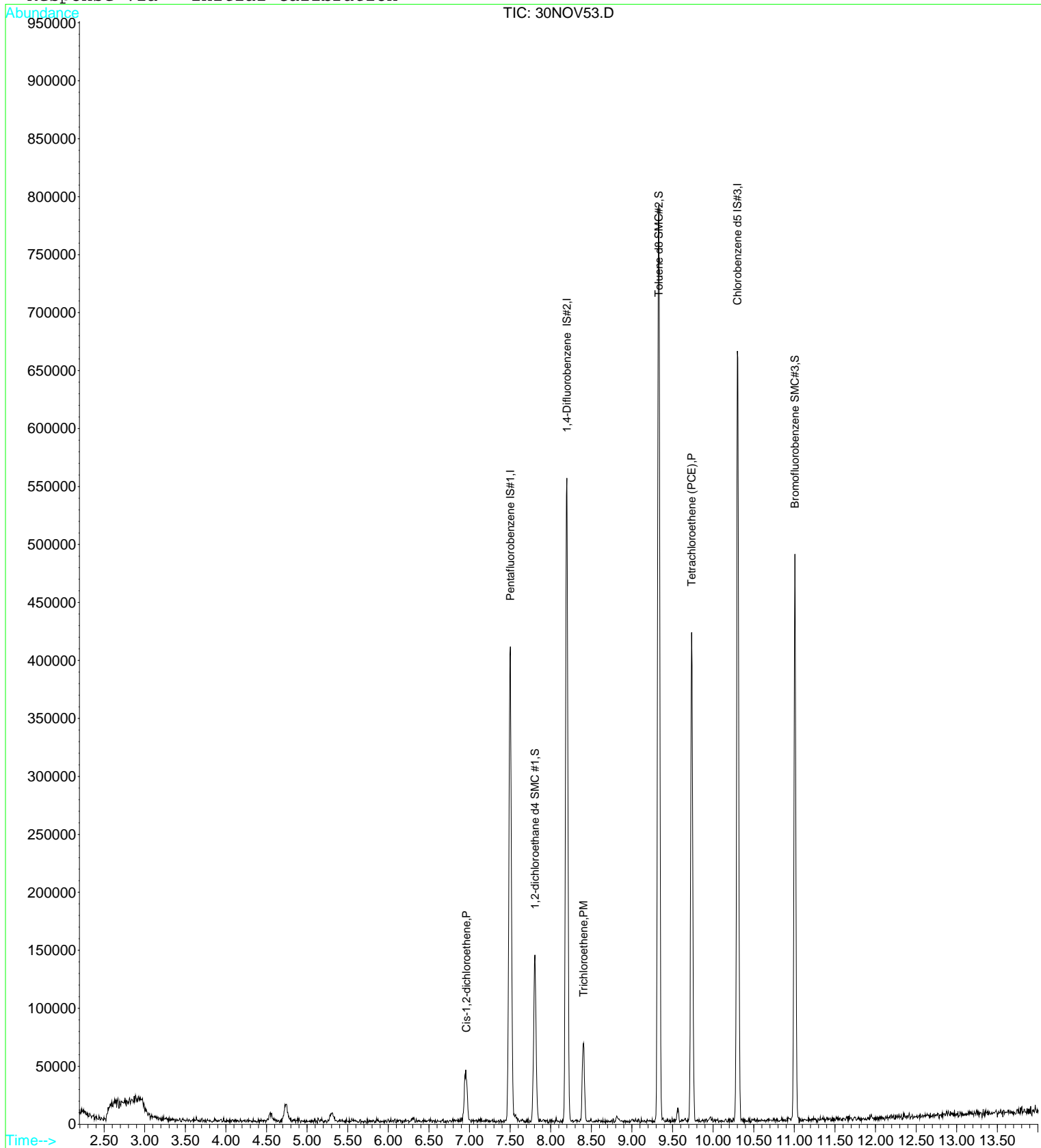
	R.T.	QIon	Response	Conc	Units	Qvalue
17) Cis-1,2-dichloroethene	6.96	96	22908	1.32	ug/L	89
27) Trichloroethene	8.41	130	23044	1.34	ug/L	97
37) Tetrachloroethene (PCE)	9.74	166	118033	7.36	ug/L	99

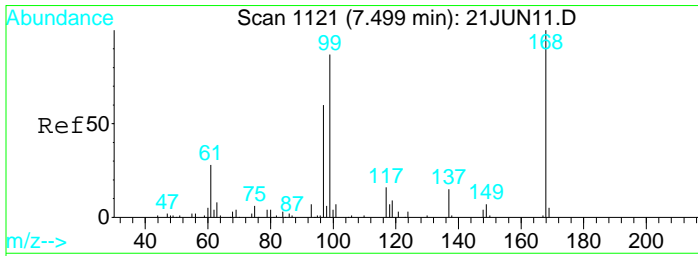
Data File : D:\DATA\NOV2023C\NOV30\30NOV53.D
Acq On : 1 Dec 2023 3:07 am
Sample : 2322252-04
Misc : 1 ;25ML;pH<2
MS Integration Params: rteint.p
Quant Time: Dec 1 11:33 2023

Vial: 53
Operator: MGC
Inst : MS-V5
Multiplr: 1.00

Quant Results File: 82605C.RES

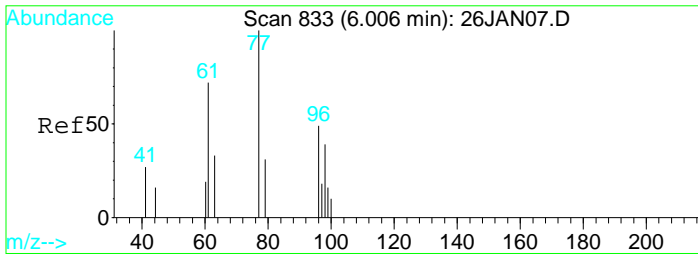
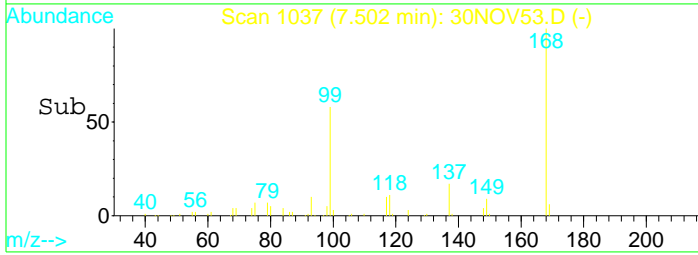
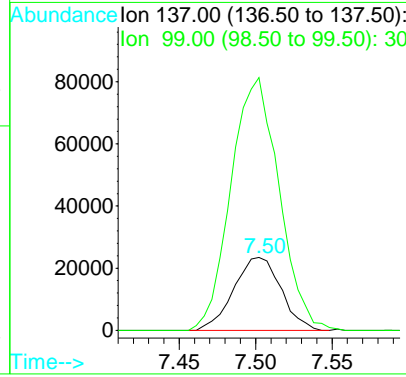
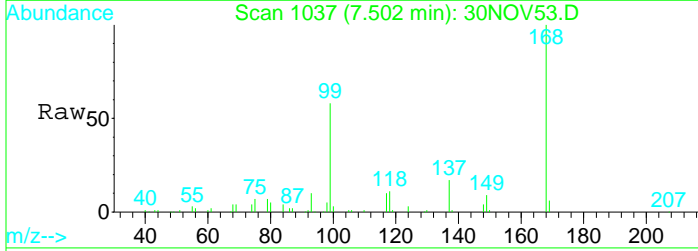
Method : C:\HPCHEM\1\METHODS\C\202311\26-0912\82605C.M (RTE Integrator)
Title : EPA Method 8260C/D
Last Update : Thu Nov 30 12:10:48 2023
Response via : Initial Calibration





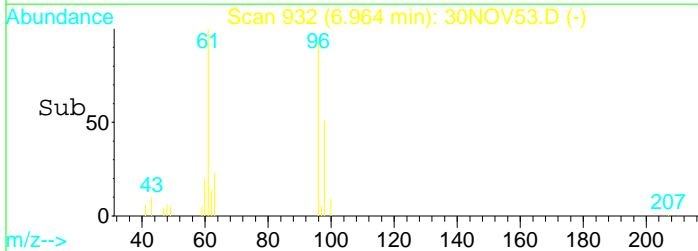
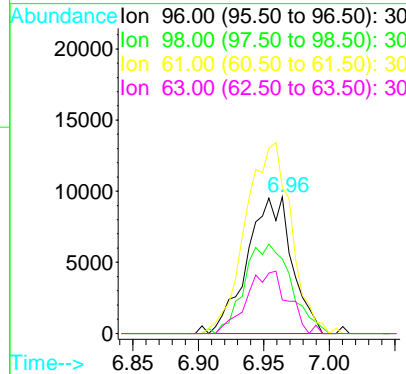
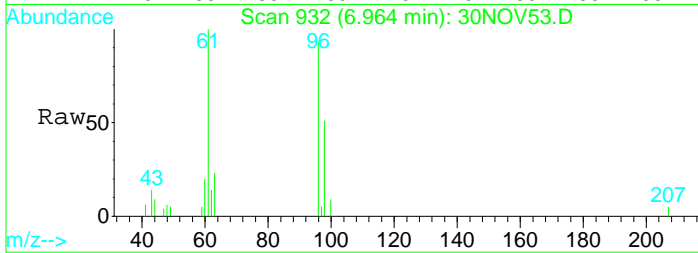
#1
 Pentafluorobenzene IS#1
 Concen: 10.00 ug/L
 RT: 7.50 min Scan# 1037
 Delta R.T. 0.00 min
 Lab File: 30NOV53.D
 Acq: 1 Dec 2023 3:07 am

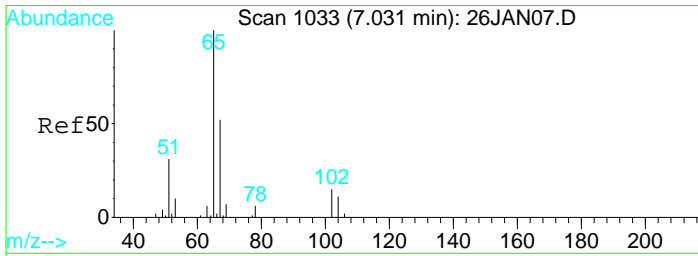
Tgt Ion	Resp	Lower	Upper
137	100		
99	352.7	475.5	883.1#



#17
 Cis-1,2-dichloroethene
 Concen: 1.32 ug/L
 RT: 6.96 min Scan# 932
 Delta R.T. 0.02 min
 Lab File: 30NOV53.D
 Acq: 1 Dec 2023 3:07 am

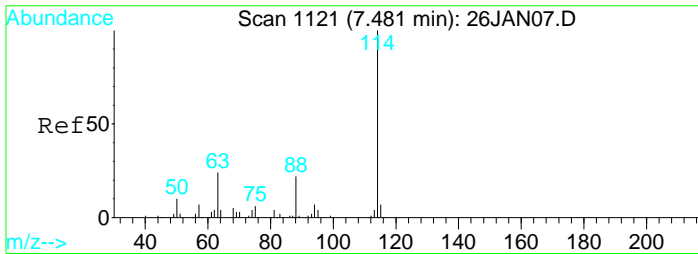
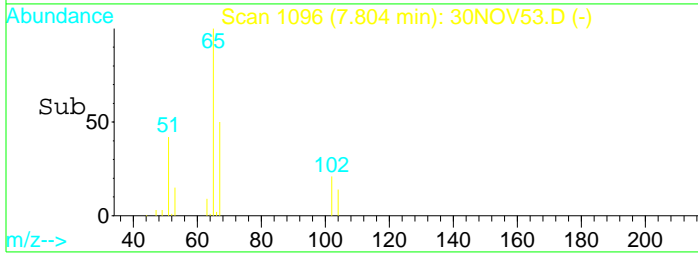
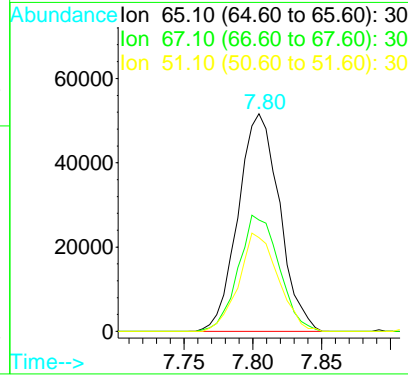
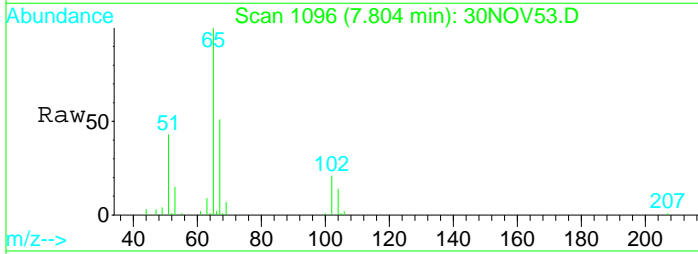
Tgt Ion	Resp	Lower	Upper
96	100		
98	68.6	45.6	84.6
61	141.7	111.2	206.4
63	42.2	35.4	65.8





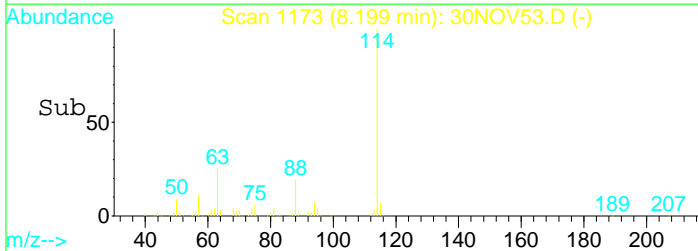
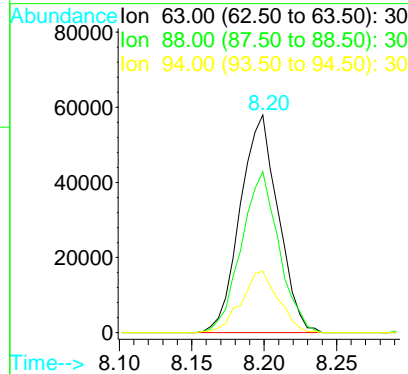
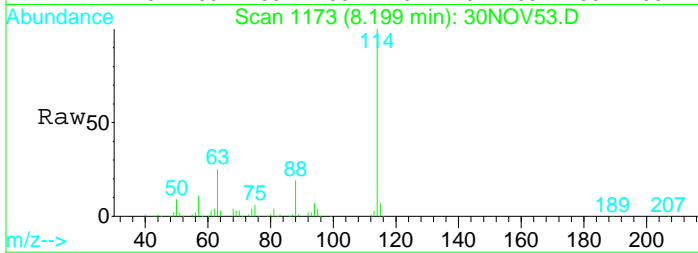
#23
 1,2-dichloroethane d4 SMC #1
 Concen: Below ug/L
 RT: 7.80 min Scan# 1096
 Delta R.T. 0.00 min
 Lab File: 30NOV53.D
 Acq: 1 Dec 2023 3:07 am

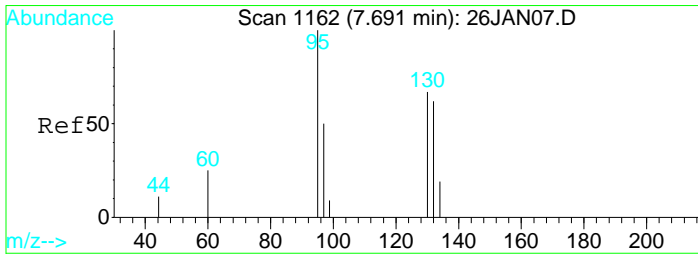
Tgt Ion	Resp	Lower	Upper
65	108199		
67	52.3	35.2	65.4
51	42.7	119.7	222.3#



#26
 1,4-Difluorobenzene IS#2
 Concen: 10.00 ug/L
 RT: 8.20 min Scan# 1173
 Delta R.T. 0.00 min
 Lab File: 30NOV53.D
 Acq: 1 Dec 2023 3:07 am

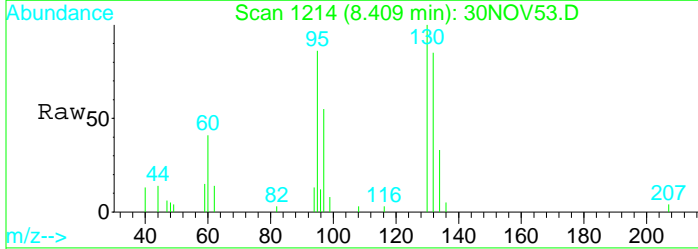
Tgt Ion	Resp	Lower	Upper
63	105708		
88	73.1	54.5	101.1
94	27.7	19.7	36.7



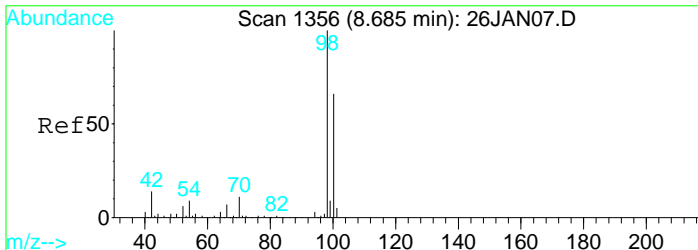
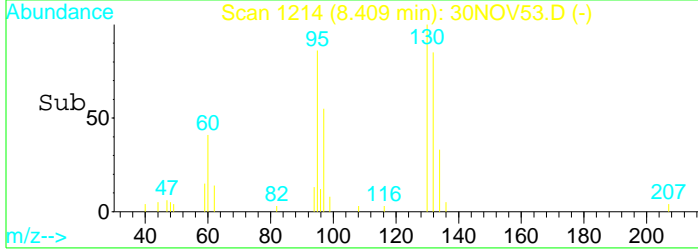
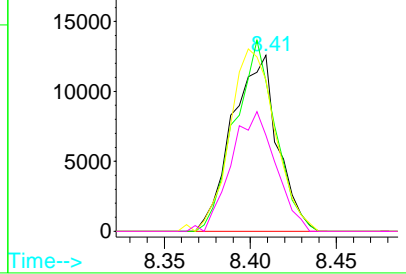


#27
 Trichloroethene
 Concen: 1.34 ug/L
 RT: 8.41 min Scan# 1214
 Delta R.T. 0.01 min
 Lab File: 30NOV53.D
 Acq: 1 Dec 2023 3:07 am

Tgt Ion	Resp	Lower	Upper
130	100		
132	97.9	66.7	123.9
95	104.1	69.4	129.0
97	66.8	45.8	85.2

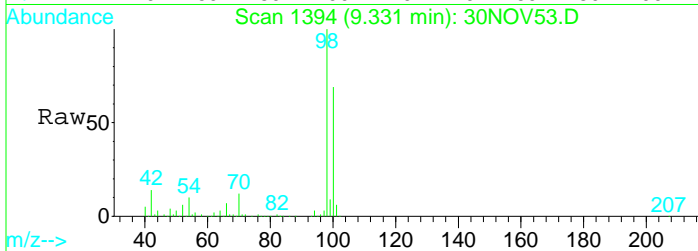


Abundance Ion 129.90 (129.40 to 130.40):
 Ion 131.90 (131.40 to 132.40):
 Ion 95.00 (94.50 to 95.50): 30
 Ion 97.00 (96.50 to 97.50): 30

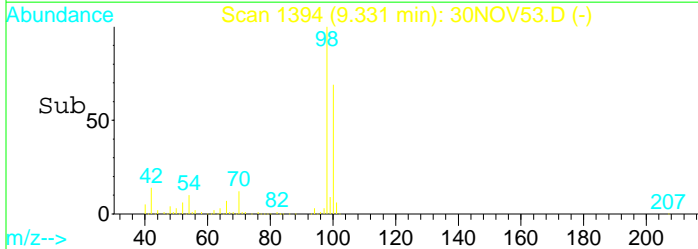
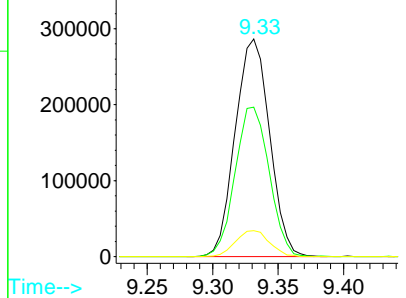


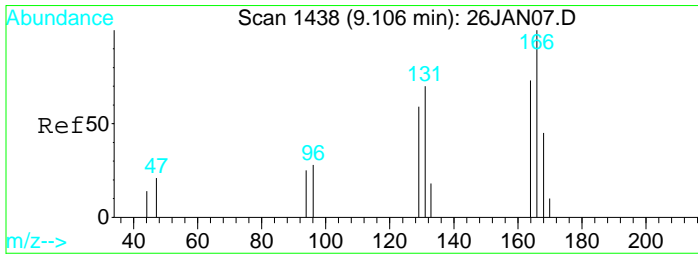
#33
 Toluene d8 SMC#2
 Concen: N.D. ug/L
 RT: 9.33 min Scan# 1394
 Delta R.T. 0.00 min
 Lab File: 30NOV53.D
 Acq: 1 Dec 2023 3:07 am

Tgt Ion	Resp	Lower	Upper
98	100		
100	67.9	47.5	88.1
70	11.9	8.1	15.1



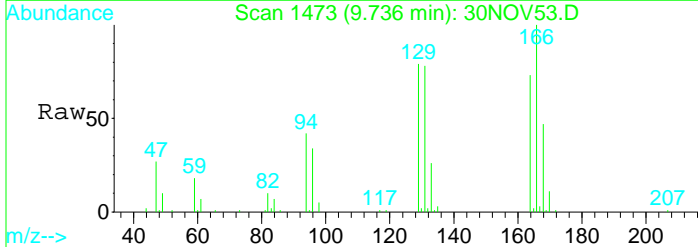
Abundance Ion 98.10 (97.60 to 98.60): 30
 Ion 100.10 (99.60 to 100.60): 30
 Ion 70.10 (69.60 to 70.60): 30



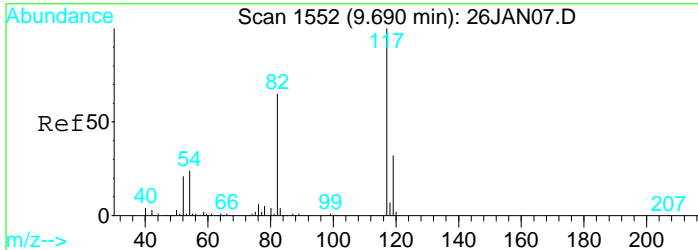
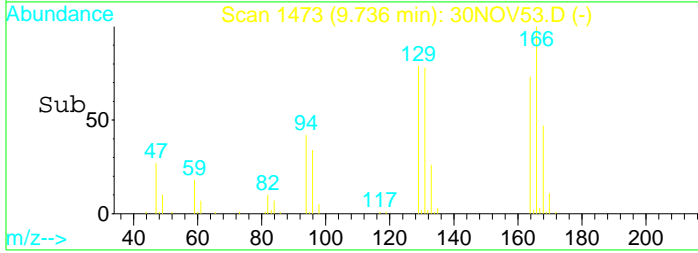
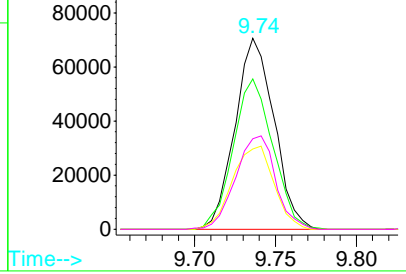


#37
 Tetrachloroethene (PCE)
 Concen: 7.36 ug/L
 RT: 9.74 min Scan# 1473
 Delta R.T. 0.00 min
 Lab File: 30NOV53.D
 Acq: 1 Dec 2023 3:07 am

Tgt Ion	Resp	Lower	Upper
166	118033		
129	79.9	55.6	103.4
94	46.2	32.4	60.2
168	49.9	33.4	62.0



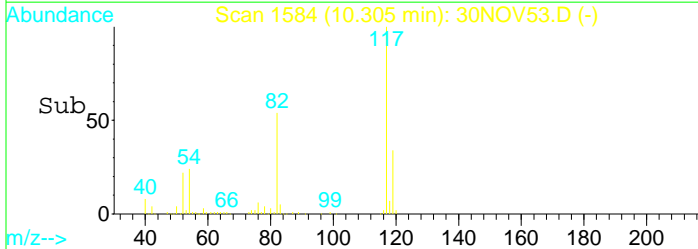
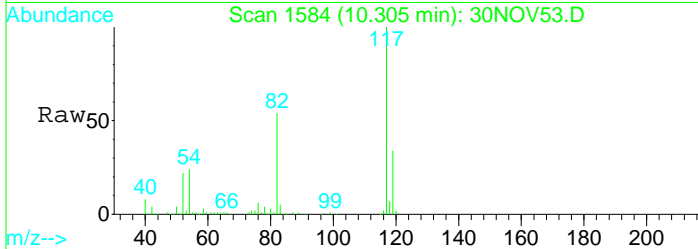
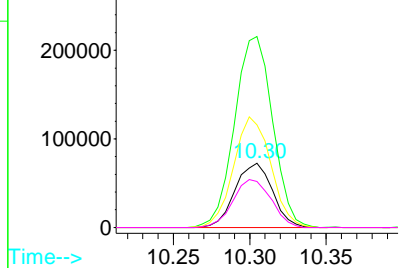
Abundance
 Ion 165.90 (165.40 to 166.40):
 Ion 128.90 (128.40 to 129.40):
 Ion 94.00 (93.50 to 94.50): 30
 Ion 167.90 (167.40 to 168.40):

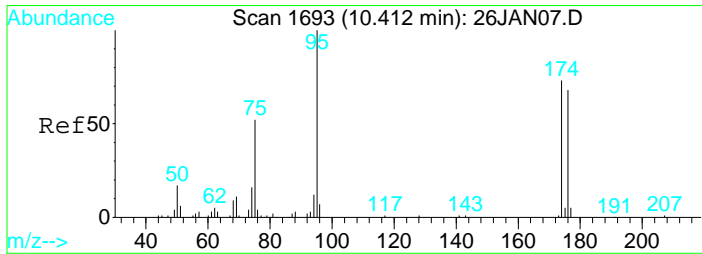


#41
 Chlorobenzene d5 IS#3
 Concen: 10.00 ug/L
 RT: 10.30 min Scan# 1584
 Delta R.T. 0.00 min
 Lab File: 30NOV53.D
 Acq: 1 Dec 2023 3:07 am

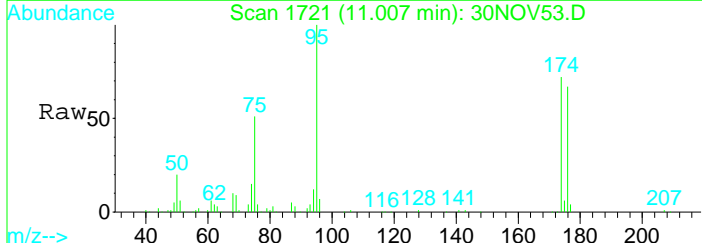
Tgt Ion	Resp	Lower	Upper
119	123369		
117	302.2	215.3	399.8
82	171.3	121.5	225.7
54	75.9	52.1	96.9

Abundance
 Ion 119.00 (118.50 to 119.50):
 Ion 117.00 (116.50 to 117.50):
 Ion 82.10 (81.60 to 82.60): 30
 Ion 54.10 (53.60 to 54.60): 30



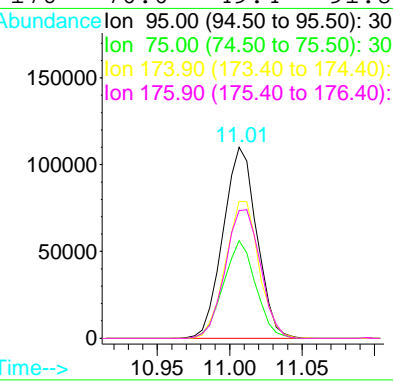
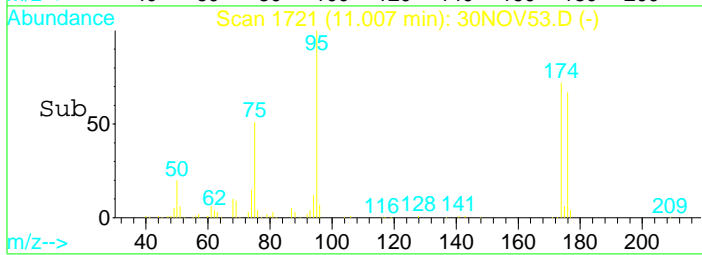


#51
 Bromofluorobenzene SMC#3
 Concen: N.D. ug/L
 RT: 11.01 min Scan# 1721
 Delta R.T. 0.00 min
 Lab File: 30NOV53.D
 Acq: 1 Dec 2023 3:07 am



Tgt Ion: 95 Resp: 177897

Ion	Ratio	Lower	Upper
95	100		
75	48.8	32.5	60.3
174	71.2	50.4	93.6
176	70.0	49.4	91.8



Data File : D:\DATA\NOV2023C\NOV30\30NOV53.D

Vial: 53

Acq On : 1 Dec 2023 3:07 am

Operator: MGC

Sample : 2322252-04

Inst : MS-V5

Misc : 1 ;25ML;pH<2

Multiplr: 1.00

MS Integration Params: rteint.p

Quant Time: Dec 1 11:42 2023

Quant Results File: 82605CX.RES

Quant Method : C:\HPCHEM\1...\82605CX.M (RTE Integrator)

Title : EPA Method 8260C/DX

Last Update : Fri Dec 01 08:39:53 2023

Response via : Initial Calibration

DataAcq Meth : 82605

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene IS#1	7.50	137	50452	10.00	ug/L	0.00
29) 1,4-Difluorobenzene IS#2	8.20	63	105708	10.00	ug/L	0.00
36) Chlorobenzene d5 IS#3	10.30	119	123369	10.00	ug/L	0.00
Target Compounds						Qvalue
9) tert-butyl alcohol (TBA)	5.31	59	12993	27.95	ug/L	100

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

30NOV53.D 82605CX.M

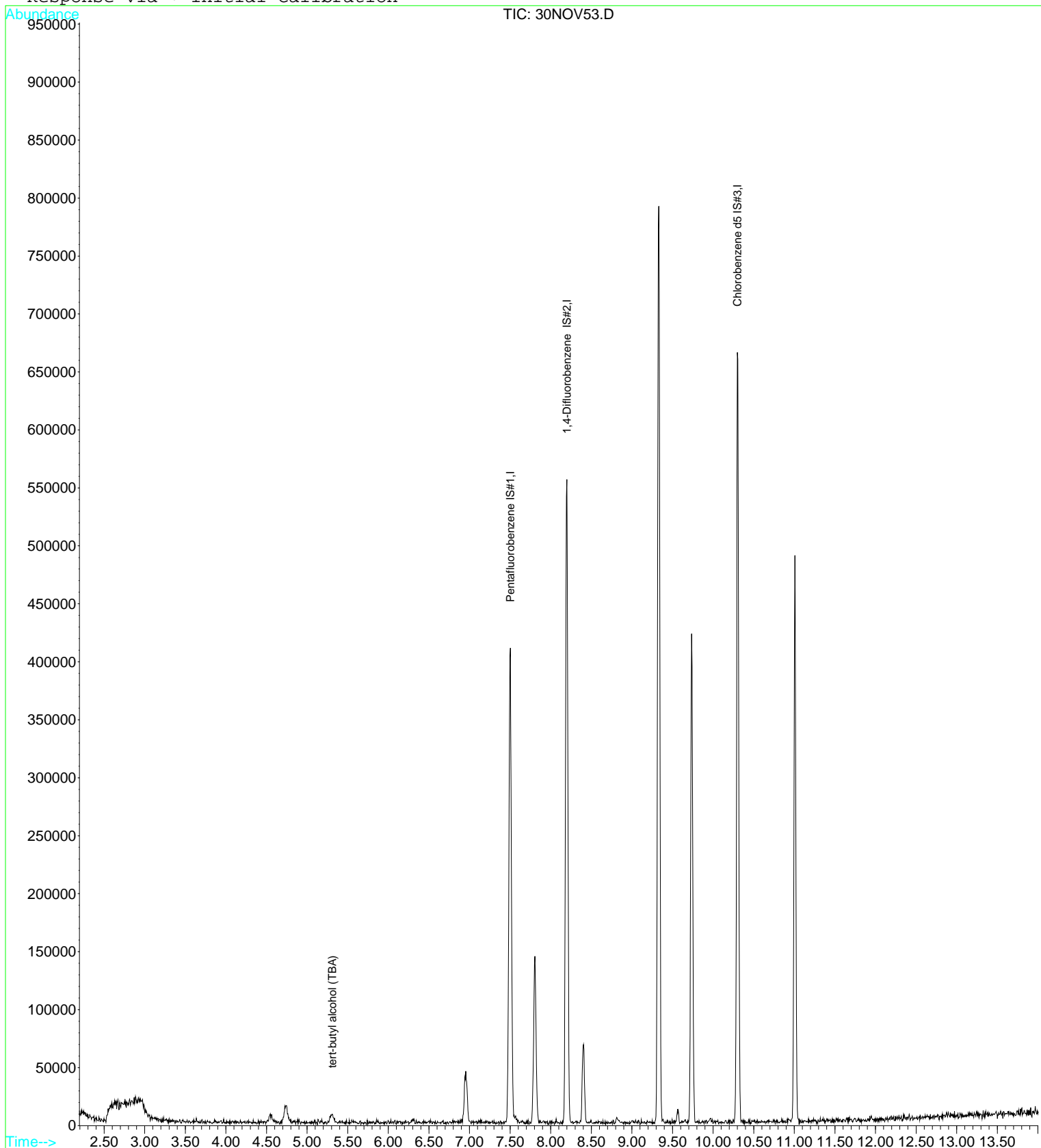
Fri Dec 01 11:42:47 2023

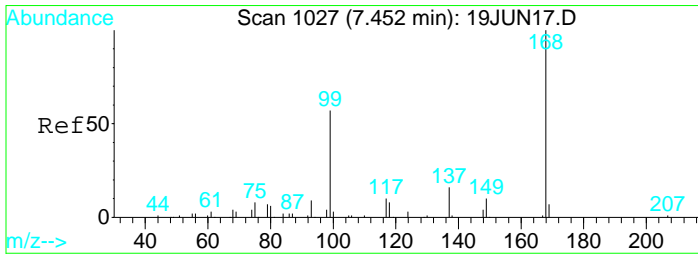
Data File : D:\DATA\NOV2023C\NOV30\30NOV53.D
Acq On : 1 Dec 2023 3:07 am
Sample : 2322252-04
Misc : 1 ;25ML;pH<2
MS Integration Params: rteint.p
Quant Time: Dec 1 11:42 2023

Vial: 53
Operator: MGC
Inst : MS-V5
Multiplr: 1.00

Quant Results File: 82605CX.RES

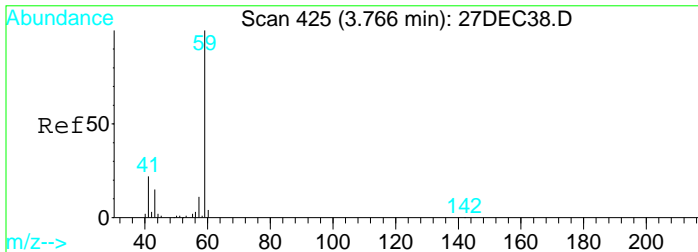
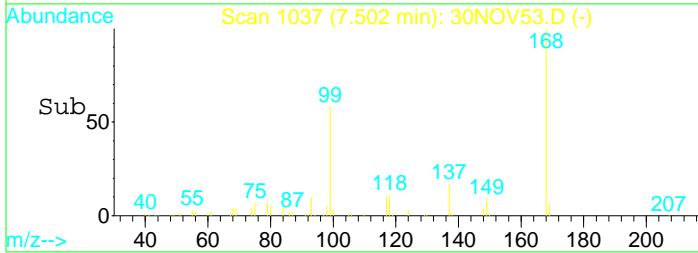
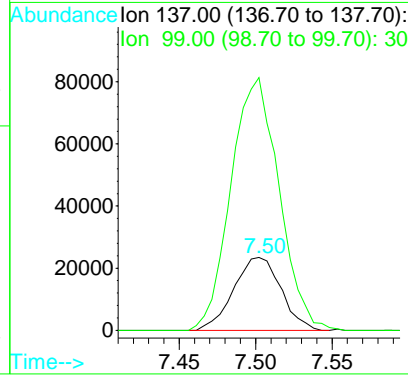
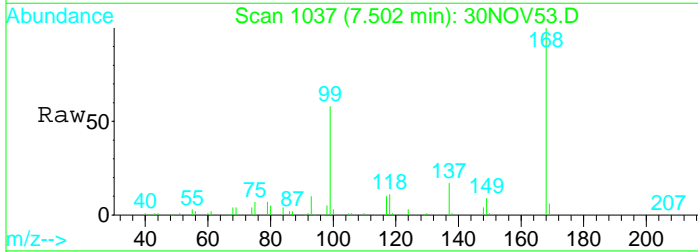
Method : C:\HPCHEM\1\METHODS\C\202311\26-1336\82605CX.M (RTE Integrator)
Title : EPA Method 8260C/DX
Last Update : Fri Dec 01 08:39:53 2023
Response via : Initial Calibration





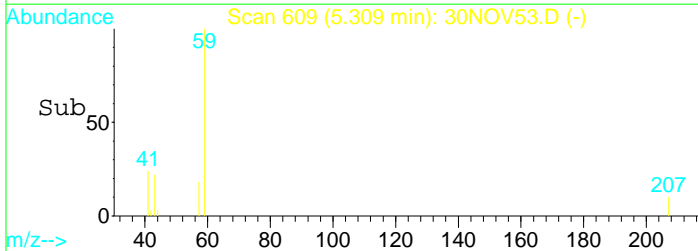
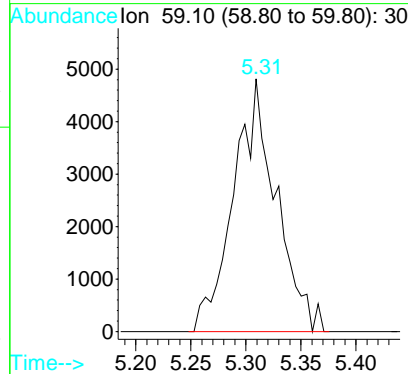
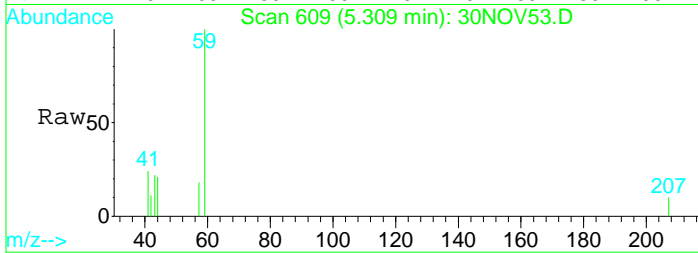
#1
 Pentafluorobenzene IS#1
 Concen: 10.00 ug/L
 RT: 7.50 min Scan# 1037
 Delta R.T. 0.01 min
 Lab File: 30NOV53.D
 Acq: 1 Dec 2023 3:07 am

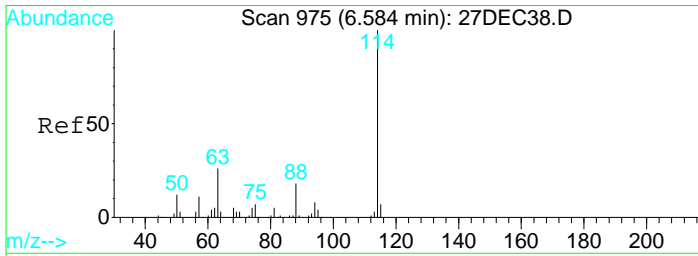
Tgt Ion:137 Resp: 50452
 Ion Ratio Lower Upper
 137 100
 99 352.7 235.9 438.1



#9
 tert-butyl alcohol (TBA)
 Concen: 27.95 ug/L
 RT: 5.31 min Scan# 609
 Delta R.T. 0.00 min
 Lab File: 30NOV53.D
 Acq: 1 Dec 2023 3:07 am

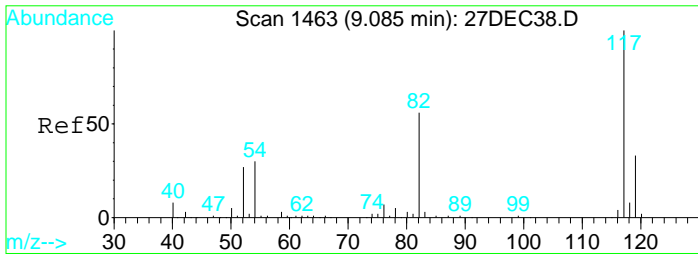
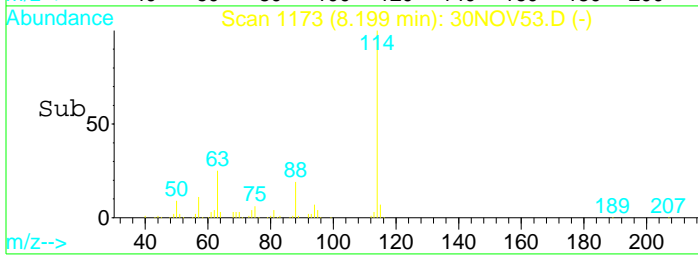
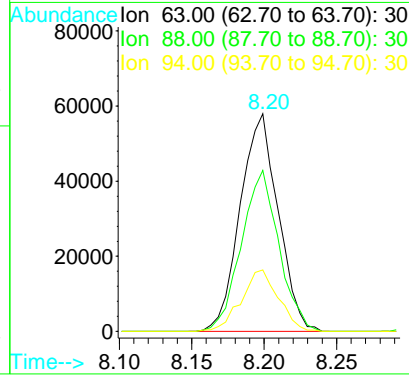
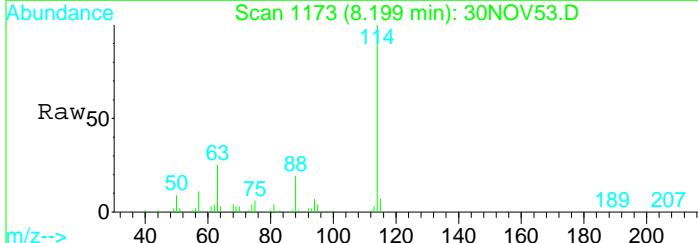
Tgt Ion: 59 Resp: 12993





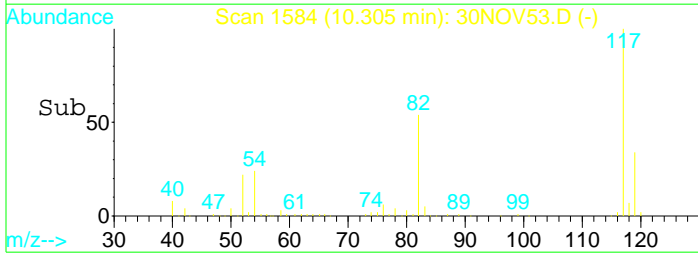
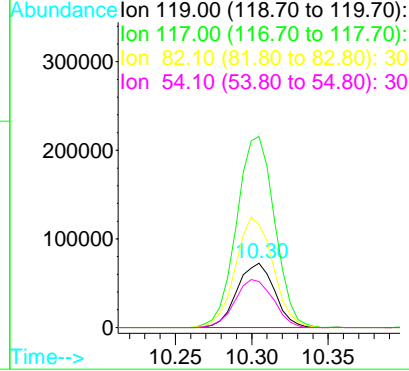
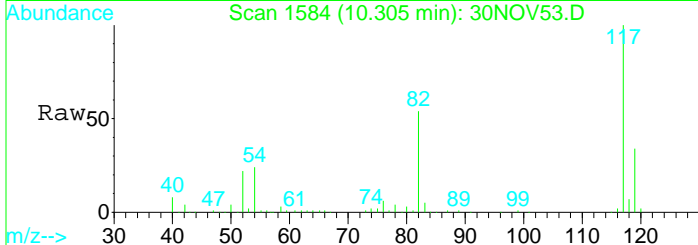
#29
 1,4-Difluorobenzene IS#2
 Concen: 10.00 ug/L
 RT: 8.20 min Scan# 1173
 Delta R.T. 0.00 min
 Lab File: 30NOV53.D
 Acq: 1 Dec 2023 3:07 am

Tgt Ion	Resp	Lower	Upper
63	105708		
88	73.1	51.3	95.3
94	27.7	19.7	36.5



#36
 Chlorobenzene d5 IS#3
 Concen: 10.00 ug/L
 RT: 10.30 min Scan# 1584
 Delta R.T. 0.00 min
 Lab File: 30NOV53.D
 Acq: 1 Dec 2023 3:07 am

Tgt Ion	Resp	Lower	Upper
119	123369		
117	302.2	215.3	399.9
82	171.3	119.8	222.4
54	75.9	50.5	93.9



Data File : D:\DATA\NOV2023C\NOV30\30NOV54.D
 Acq On : 1 Dec 2023 3:31 am
 Sample : 2322252-05
 Misc : 1 ;25ML;pH<2

Vial: 54
 Operator: MGC
 Inst : MS-V5
 Multiplr: 1.00

MS Integration Params: rteint.p
 Quant Time: Dec 1 11:34 2023

Quant Results File: 82605C.RES

Quant Method : C:\HPCHEM\1...\82605C.M (RTE Integrator)
 Title : EPA Method 8260C/D
 Last Update : Thu Nov 30 12:10:48 2023
 Response via : Initial Calibration
 DataAcq Meth : 82605

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene IS#1	7.51	137	51066	10.00	ug/L	0.00
26) 1,4-Difluorobenzene IS#2	8.20	63	107489	10.00	ug/L	0.00
41) Chlorobenzene d5 IS#3	10.30	119	121857	10.00	ug/L	0.00

System Monitoring Compounds

23) 1,2-dichloroethane d4 SMC	7.80	65	109770	10.90	ug/L	0.00
Spiked Amount	10.000	Range	75 - 125	Recovery	=	109.00%
33) Toluene d8 SMC#2	9.33	98	523283	9.47	ug/L	0.00
Spiked Amount	10.000	Range	80 - 120	Recovery	=	94.70%
51) Bromofluorobenzene SMC#3	11.01	95	174842	9.97	ug/L	0.00
Spiked Amount	10.000	Range	80 - 120	Recovery	=	99.70%

Target Compounds

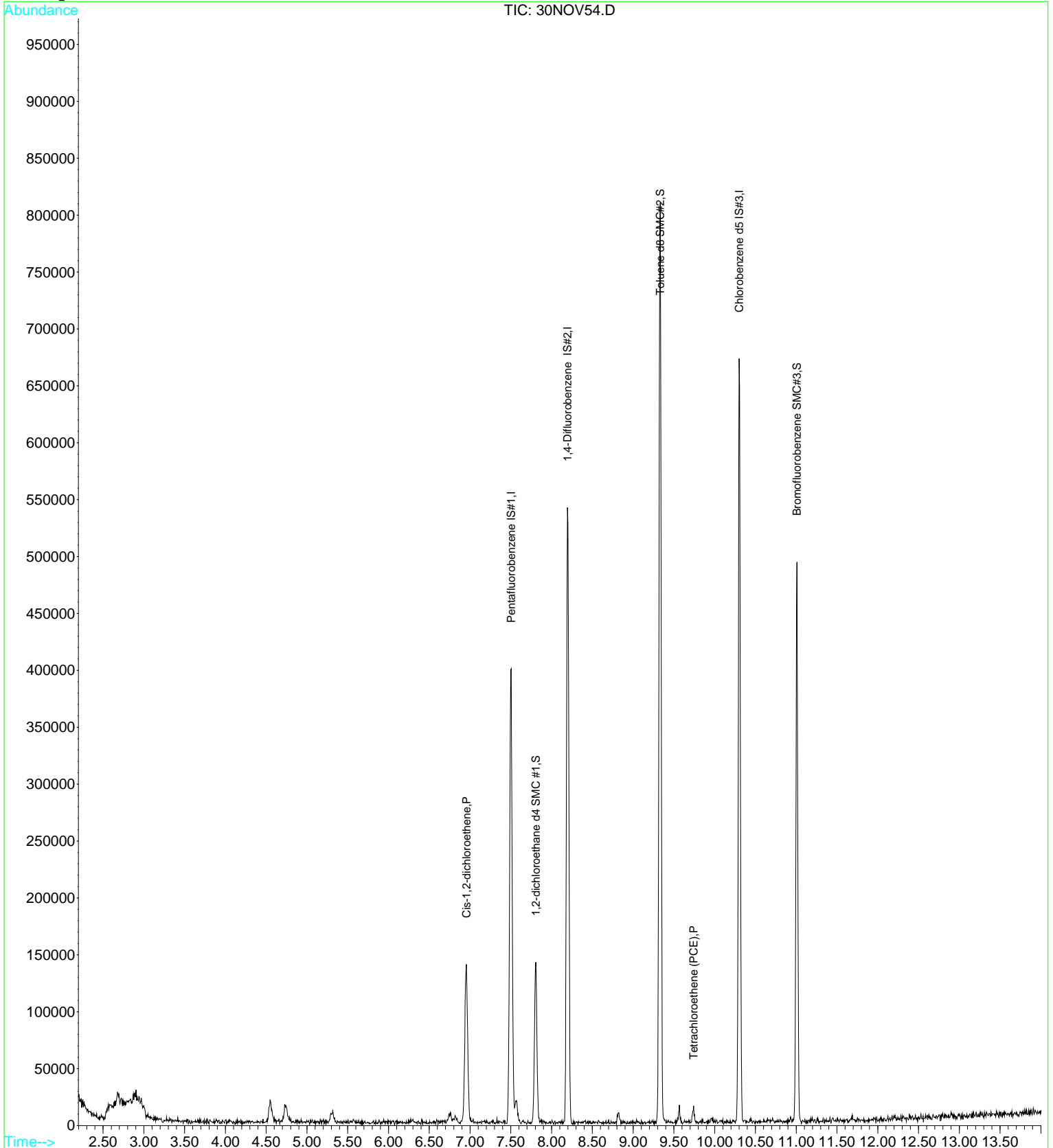
	R.T.	QIon	Response	Conc	Units	Qvalue
17) Cis-1,2-dichloroethene	6.96	96	74122	4.23	ug/L	93
37) Tetrachloroethene (PCE)	9.74	166	3457	0.21	ug/L	92

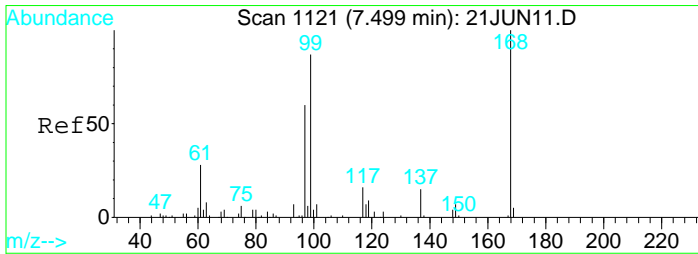
Data File : D:\DATA\NOV2023C\NOV30\30NOV54.D
Acq On : 1 Dec 2023 3:31 am
Sample : 2322252-05
Misc : 1 ;25ML;pH<2
MS Integration Params: rteint.p
Quant Time: Dec 1 11:34 2023

Vial: 54
Operator: MGC
Inst : MS-V5
Multiplr: 1.00

Quant Results File: 82605C.RES

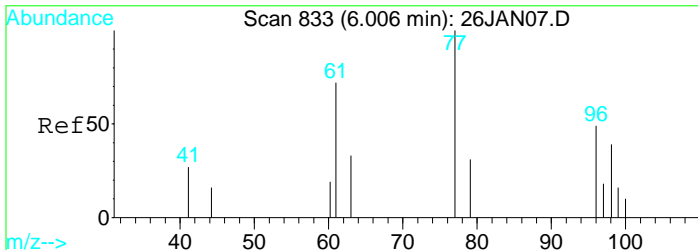
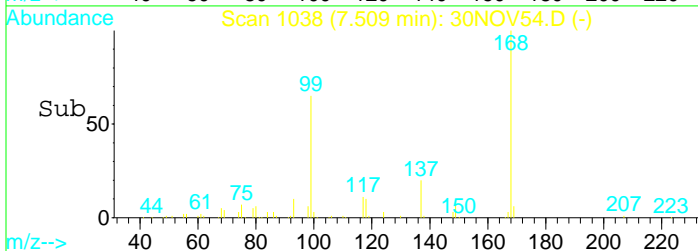
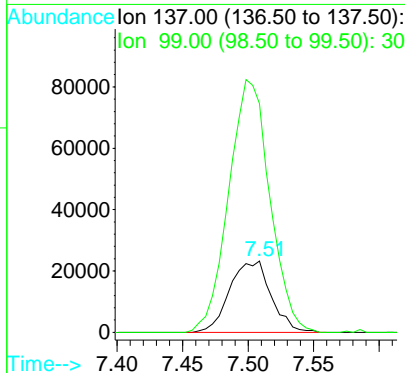
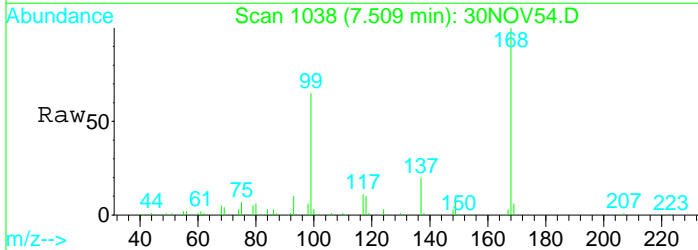
Method : C:\HPCHEM\1\METHODS\C\202311\26-0912\82605C.M (RTE Integrator)
Title : EPA Method 8260C/D
Last Update : Thu Nov 30 12:10:48 2023
Response via : Initial Calibration





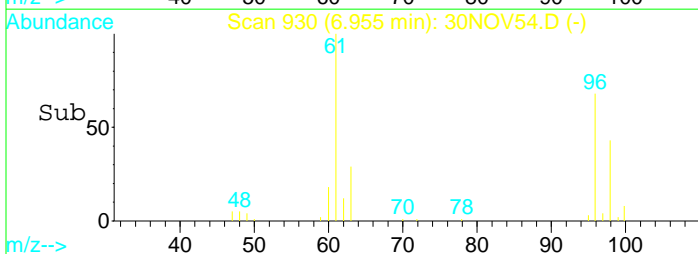
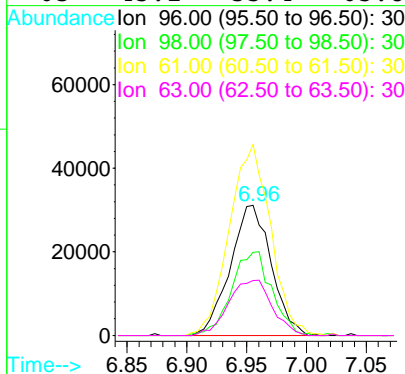
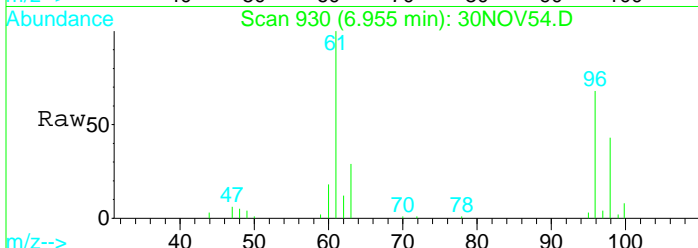
#1
 Pentafluorobenzene IS#1
 Concen: 10.00 ug/L
 RT: 7.51 min Scan# 1038
 Delta R.T. 0.01 min
 Lab File: 30NOV54.D
 Acq: 1 Dec 2023 3:31 am

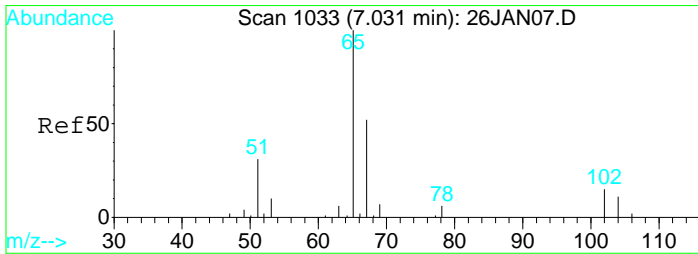
Tgt Ion	Resp	Lower	Upper
137	100		
99	352.0	475.5	883.1#



#17
 Cis-1,2-dichloroethene
 Concen: 4.23 ug/L
 RT: 6.96 min Scan# 930
 Delta R.T. 0.01 min
 Lab File: 30NOV54.D
 Acq: 1 Dec 2023 3:31 am

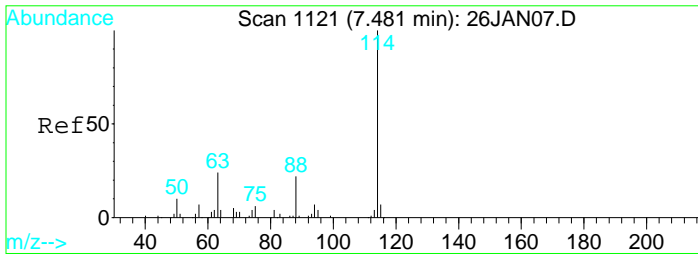
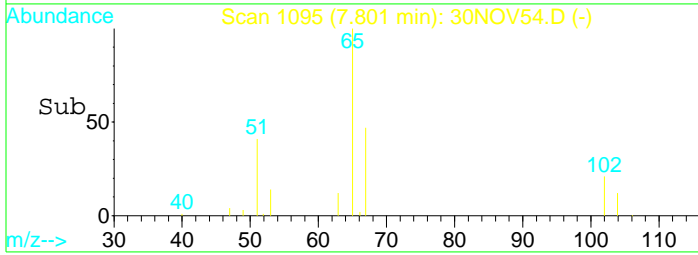
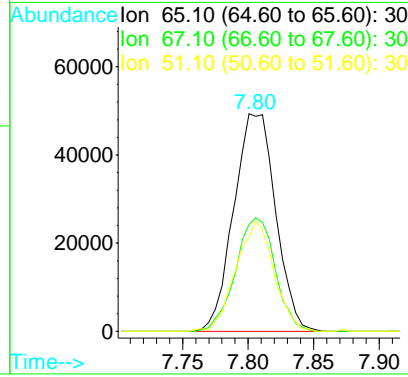
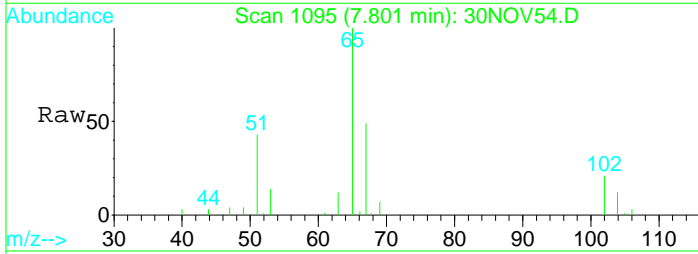
Tgt Ion	Resp	Lower	Upper
96	100		
98	63.1	45.6	84.6
61	147.4	111.2	206.4
63	45.2	35.4	65.8





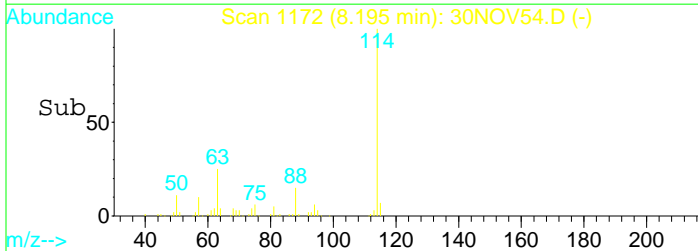
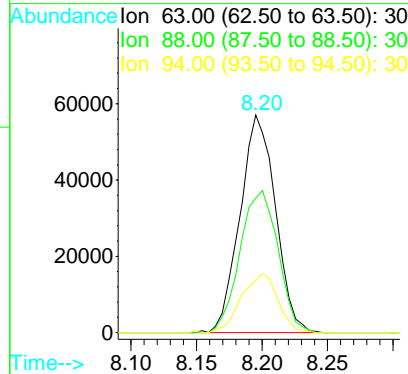
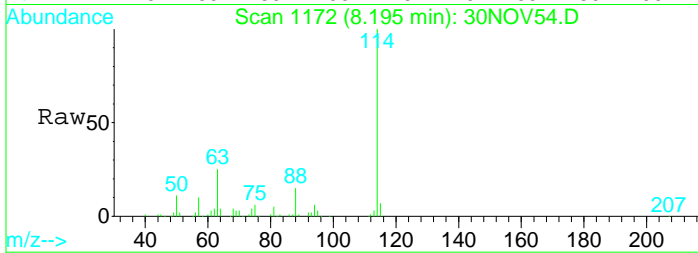
#23
 1,2-dichloroethane d4 SMC #1
 Concen: Below ug/L
 RT: 7.80 min Scan# 1095
 Delta R.T. -0.00 min
 Lab File: 30NOV54.D
 Acq: 1 Dec 2023 3:31 am

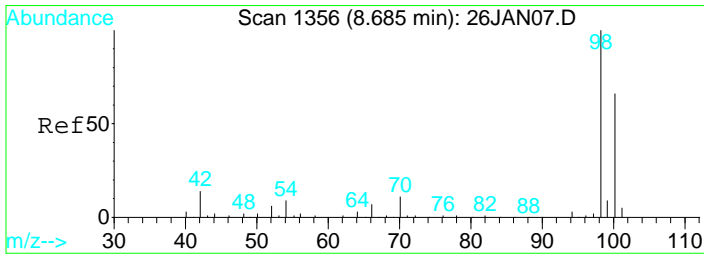
Tgt Ion	Resp	Lower	Upper
65	109770		
67	49.3	35.2	65.4
51	46.2	119.7	222.3#



#26
 1,4-Difluorobenzene IS#2
 Concen: 10.00 ug/L
 RT: 8.20 min Scan# 1172
 Delta R.T. -0.00 min
 Lab File: 30NOV54.D
 Acq: 1 Dec 2023 3:31 am

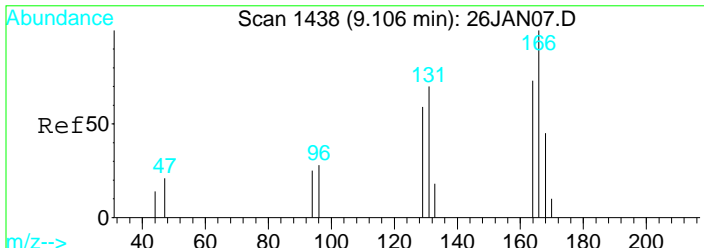
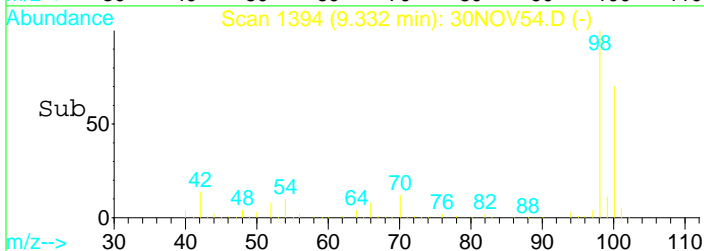
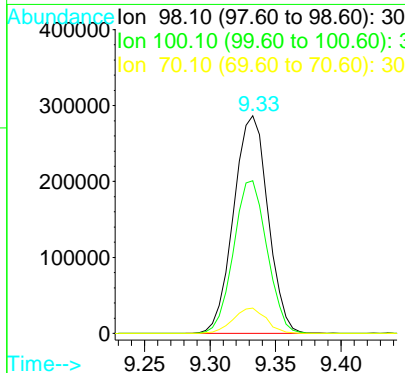
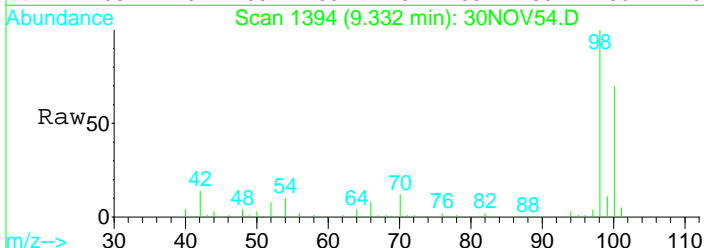
Tgt Ion	Resp	Lower	Upper
63	107489		
88	70.0	54.5	101.1
94	27.9	19.7	36.7





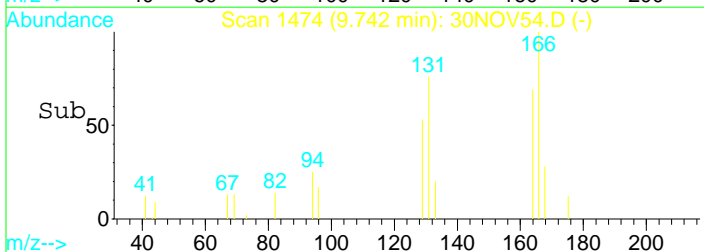
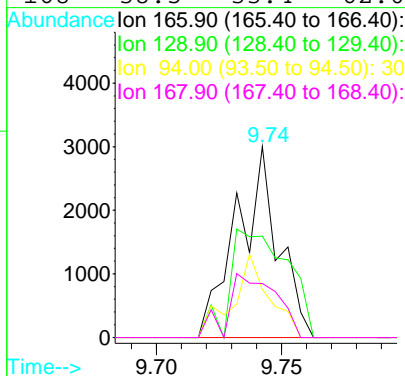
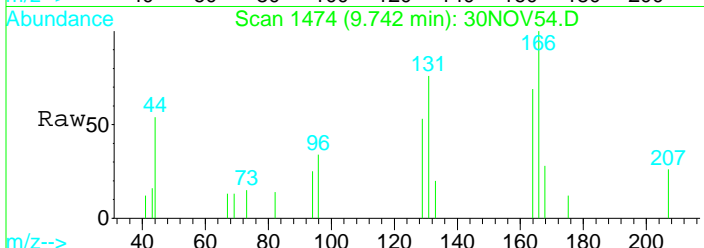
#33
 Toluene d8 SMC#2
 Concen: N.D. ug/L
 RT: 9.33 min Scan# 1394
 Delta R.T. 0.00 min
 Lab File: 30NOV54.D
 Acq: 1 Dec 2023 3:31 am

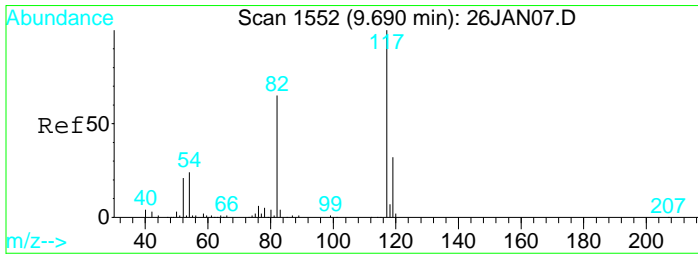
Tgt Ion	Resp	Lower	Upper
98	100		
100	68.2	47.5	88.1
70	11.2	8.1	15.1



#37
 Tetrachloroethene (PCE)
 Concen: 0.21 ug/L
 RT: 9.74 min Scan# 1474
 Delta R.T. 0.01 min
 Lab File: 30NOV54.D
 Acq: 1 Dec 2023 3:31 am

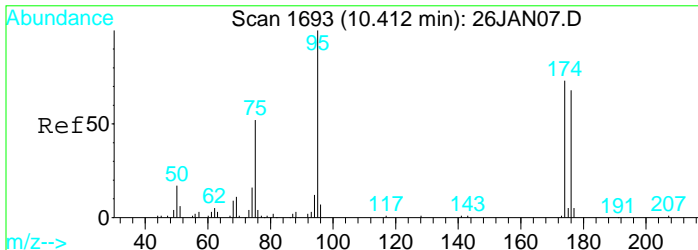
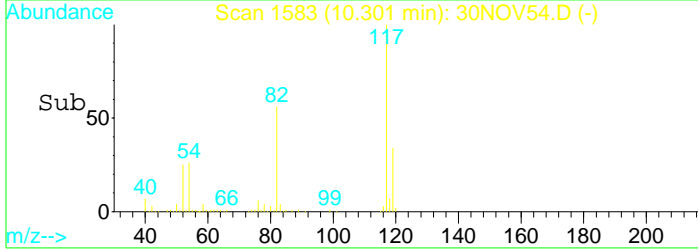
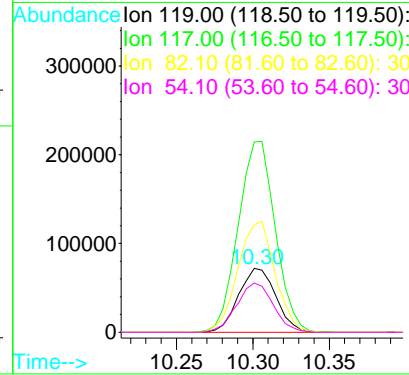
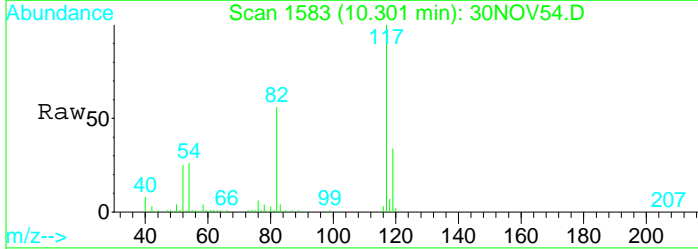
Tgt Ion	Resp	Lower	Upper
166	100		
129	78.2	55.6	103.4
94	38.6	32.4	60.2
168	38.5	33.4	62.0





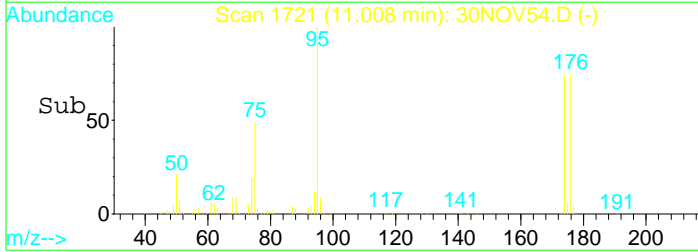
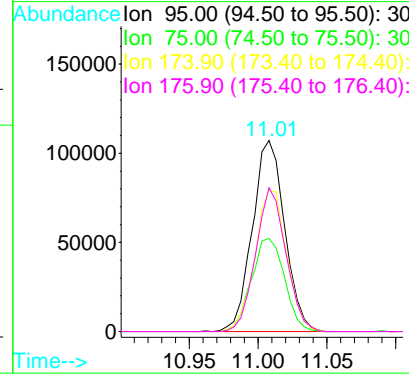
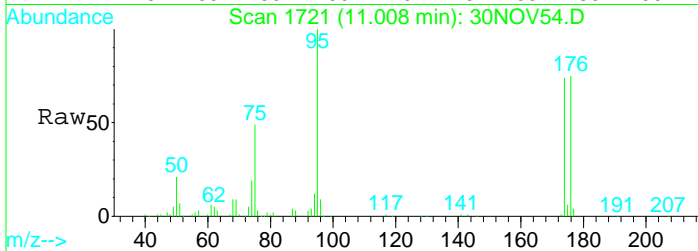
#41
 Chlorobenzene d5 IS#3
 Concen: 10.00 ug/L
 RT: 10.30 min Scan# 1583
 Delta R.T. -0.00 min
 Lab File: 30NOV54.D
 Acq: 1 Dec 2023 3:31 am

Tgt Ion	Resp	Lower	Upper
119	121857		
117	297.4	215.3	399.8
82	172.7	121.5	225.7
54	75.6	52.1	96.9



#51
 Bromofluorobenzene SMC#3
 Concen: Below ug/L
 RT: 11.01 min Scan# 1721
 Delta R.T. 0.00 min
 Lab File: 30NOV54.D
 Acq: 1 Dec 2023 3:31 am

Tgt Ion	Resp	Lower	Upper
95	174842		
75	49.9	32.5	60.3
174	73.0	50.4	93.6
176	70.4	49.4	91.8



Data File : D:\DATA\NOV2023C\NOV30\30NOV54.D

Vial: 54

Acq On : 1 Dec 2023 3:31 am

Operator: MGC

Sample : 2322252-05

Inst : MS-V5

Misc : 1 ;25ML;pH<2

Multiplr: 1.00

MS Integration Params: rteint.p

Quant Time: Dec 1 11:35 2023

Quant Results File: 82605CX.RES

Quant Method : C:\HPCHEM\1...\82605CX.M (RTE Integrator)

Title : EPA Method 8260C/DX

Last Update : Fri Dec 01 08:39:53 2023

Response via : Initial Calibration

DataAcq Meth : 82605

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene IS#1	7.51	137	51066	10.00	ug/L	0.01
29) 1,4-Difluorobenzene IS#2	8.20	63	107489	10.00	ug/L	0.00
36) Chlorobenzene d5 IS#3	10.30	119	121857	10.00	ug/L	0.00

Target Compounds

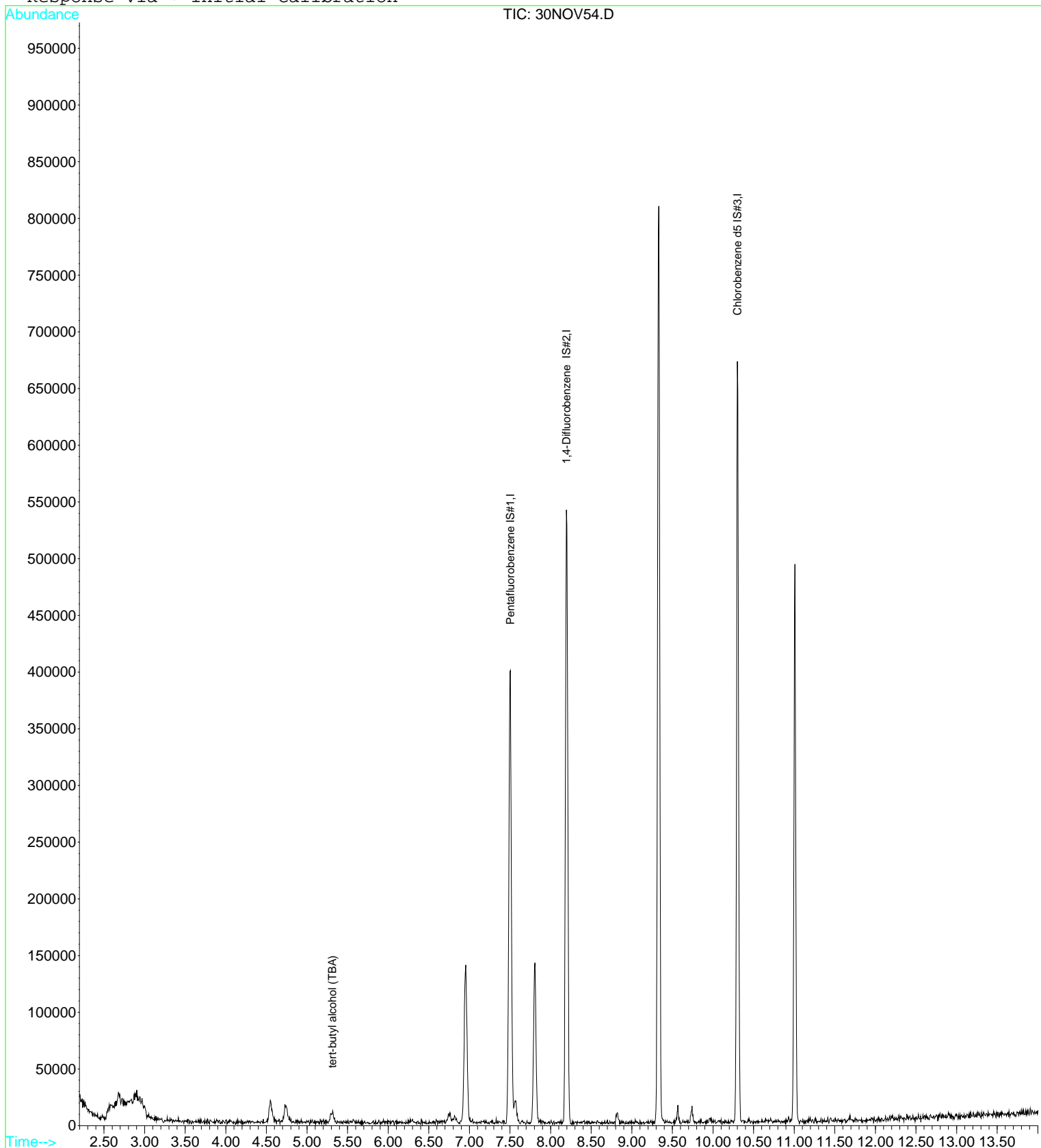
9) tert-butyl alcohol (TBA)	5.31	59	12943	27.51	ug/L	Qvalue 100
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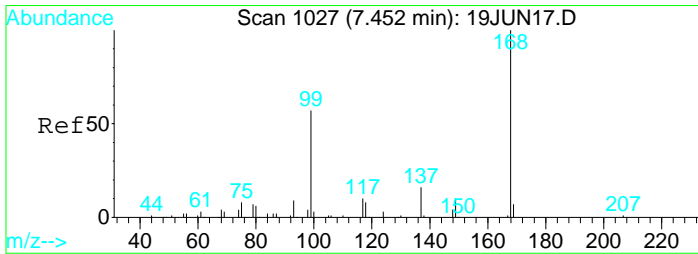
Data File : D:\DATA\NOV2023C\NOV30\30NOV54.D
Acq On : 1 Dec 2023 3:31 am
Sample : 2322252-05
Misc : 1 ;25ML;pH<2
MS Integration Params: rteint.p
Quant Time: Dec 1 11:35 2023

Vial: 54
Operator: MGC
Inst : MS-V5
Multiplr: 1.00

Quant Results File: 82605CX.RES

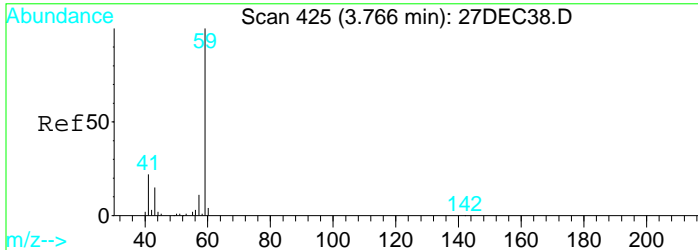
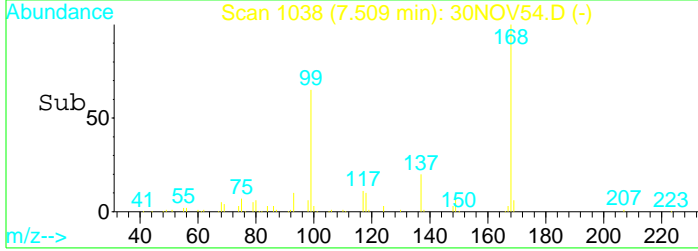
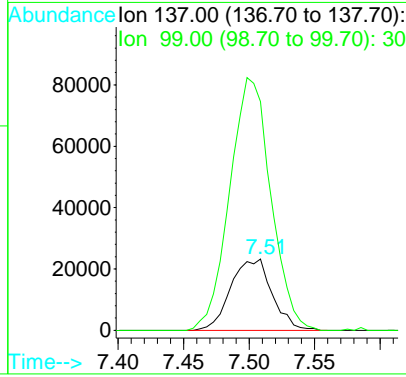
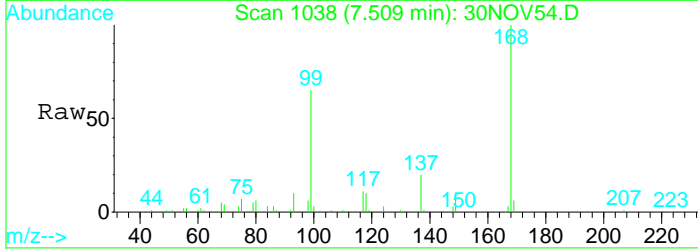
Method : C:\HPCHEM\1\METHODS\C\202311\26-1336\82605CX.M (RTE Integrator)
Title : EPA Method 8260C/DX
Last Update : Fri Dec 01 08:39:53 2023
Response via : Initial Calibration





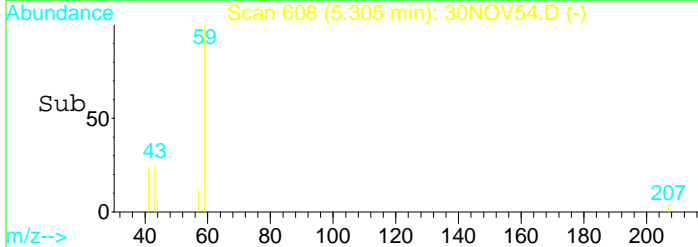
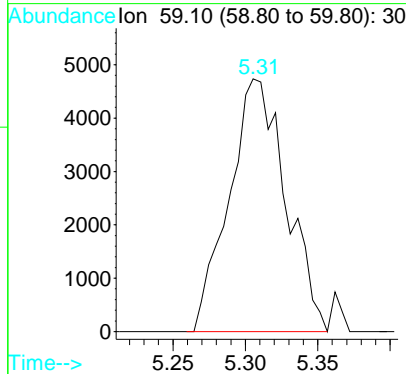
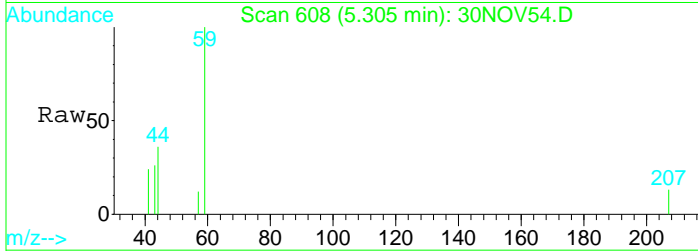
#1
 Pentafluorobenzene IS#1
 Concen: 10.00 ug/L
 RT: 7.51 min Scan# 1038
 Delta R.T. 0.01 min
 Lab File: 30NOV54.D
 Acq: 1 Dec 2023 3:31 am

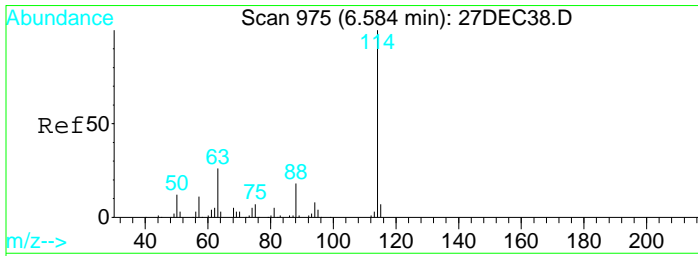
Tgt Ion:137 Resp: 51066
 Ion Ratio Lower Upper
 137 100
 99 352.0 235.9 438.1



#9
 tert-butyl alcohol (TBA)
 Concen: 27.51 ug/L
 RT: 5.31 min Scan# 608
 Delta R.T. -0.00 min
 Lab File: 30NOV54.D
 Acq: 1 Dec 2023 3:31 am

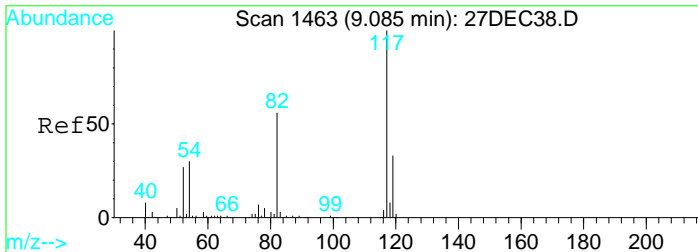
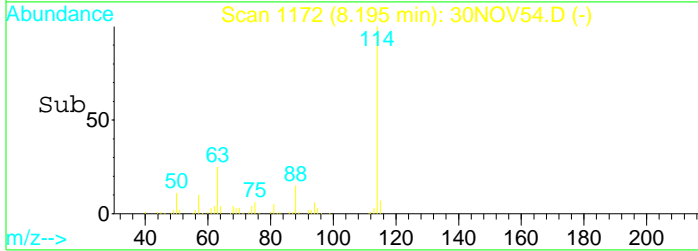
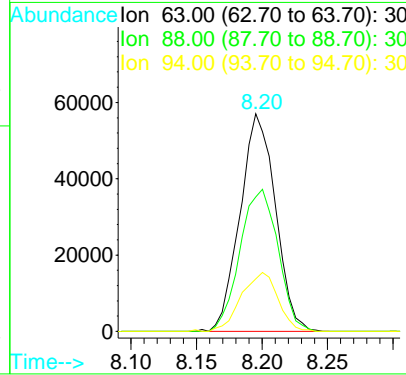
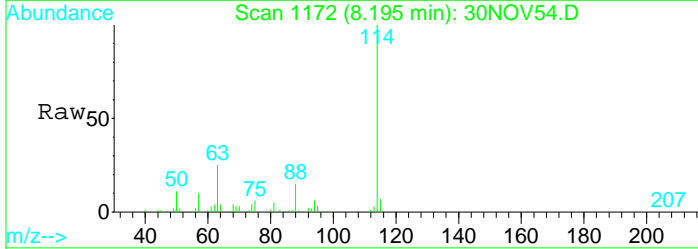
Tgt Ion: 59 Resp: 12943





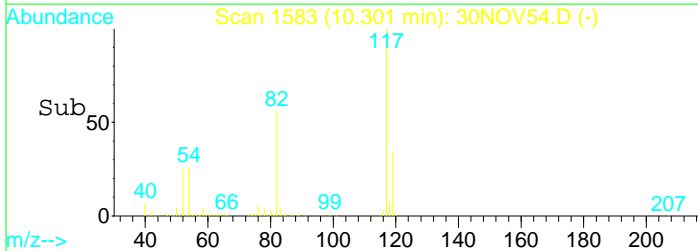
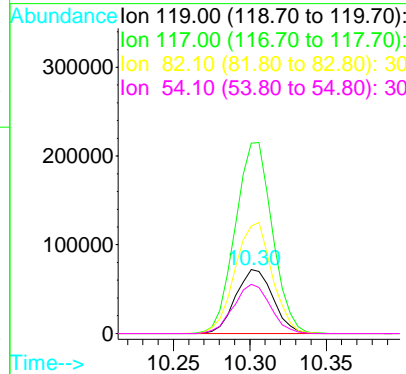
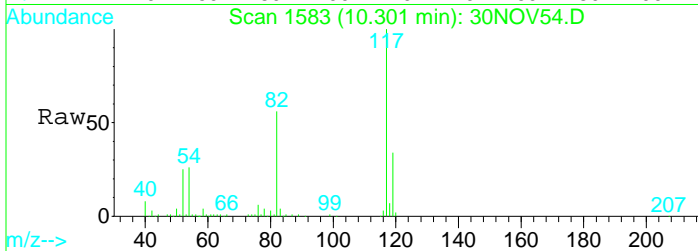
#29
 1,4-Difluorobenzene IS#2
 Concen: 10.00 ug/L
 RT: 8.20 min Scan# 1172
 Delta R.T. -0.00 min
 Lab File: 30NOV54.D
 Acq: 1 Dec 2023 3:31 am

Tgt Ion	Resp	Lower	Upper
63	107489		
88	70.0	51.3	95.3
94	27.9	19.7	36.5



#36
 Chlorobenzene d5 IS#3
 Concen: 10.00 ug/L
 RT: 10.30 min Scan# 1583
 Delta R.T. -0.00 min
 Lab File: 30NOV54.D
 Acq: 1 Dec 2023 3:31 am

Tgt Ion	Resp	Lower	Upper
119	121857		
117	297.4	215.3	399.9
82	172.7	119.8	222.4
54	75.6	50.5	93.9



Data File : D:\DATA\NOV2023C\NOV30\30NOV55.D
 Acq On : 1 Dec 2023 3:55 am
 Sample : 2322252-06
 Misc : 1 ;25ML;pH<2

Vial: 55
 Operator: MGC
 Inst : MS-V5
 Multiplr: 1.00

MS Integration Params: rteint.p
 Quant Time: Dec 1 11:36 2023

Quant Results File: 82605C.RES

Quant Method : C:\HPCHEM\1...\82605C.M (RTE Integrator)
 Title : EPA Method 8260C/D
 Last Update : Thu Nov 30 12:10:48 2023
 Response via : Initial Calibration
 DataAcq Meth : 82605

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene IS#1	7.50	137	49824	10.00	ug/L	0.00
26) 1,4-Difluorobenzene IS#2	8.20	63	100375	10.00	ug/L	0.00
41) Chlorobenzene d5 IS#3	10.30	119	115730	10.00	ug/L	0.00

System Monitoring Compounds

23) 1,2-dichloroethane d4 SMC	7.80	65	104011	10.59	ug/L	0.00
Spiked Amount	10.000	Range	75 - 125	Recovery	=	105.90%
33) Toluene d8 SMC#2	9.33	98	496004	9.62	ug/L	0.00
Spiked Amount	10.000	Range	80 - 120	Recovery	=	96.20%
51) Bromofluorobenzene SMC#3	11.01	95	165913	9.96	ug/L	0.00
Spiked Amount	10.000	Range	80 - 120	Recovery	=	99.60%

Target Compounds

Qvalue

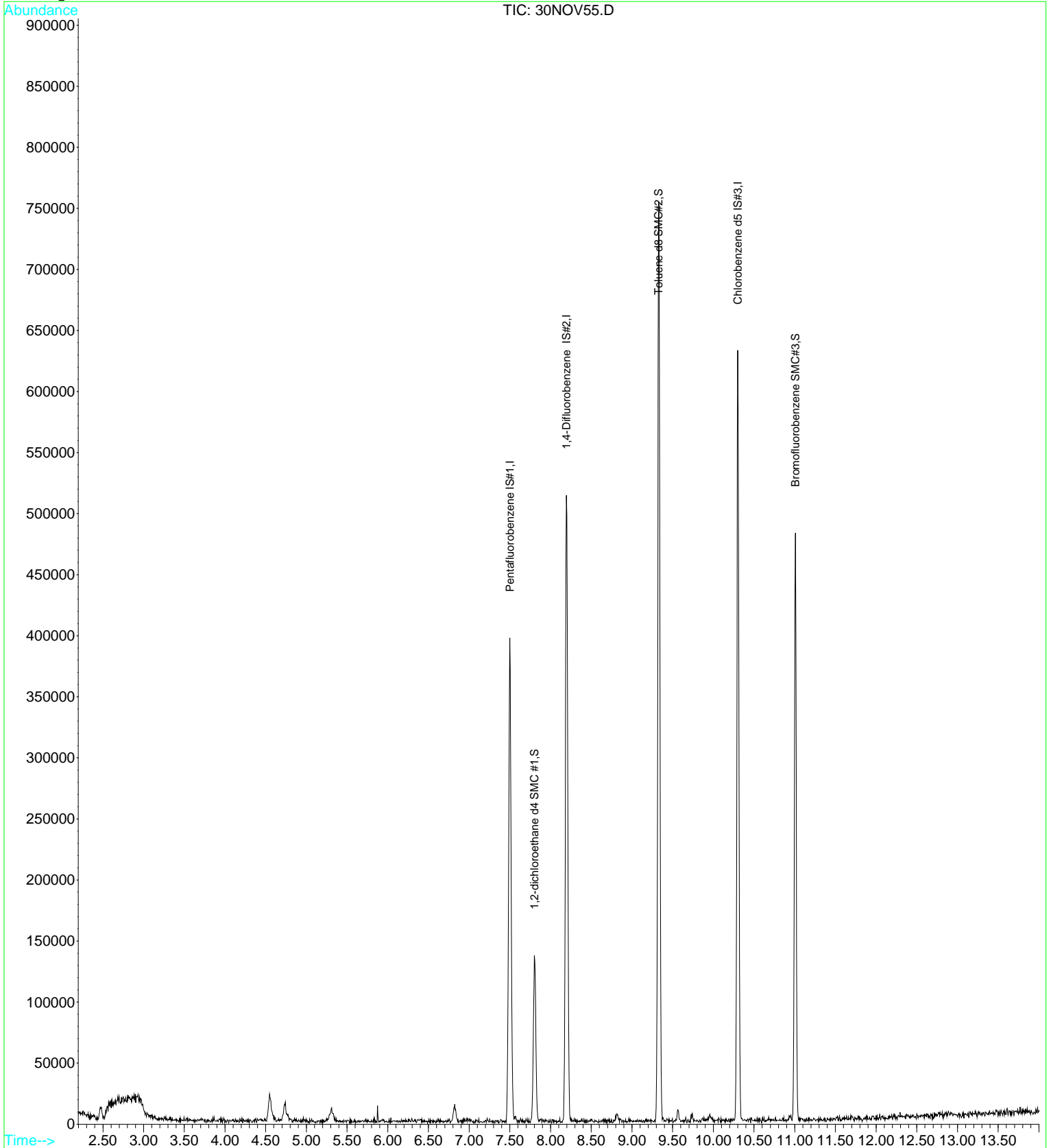
Quantitation Report

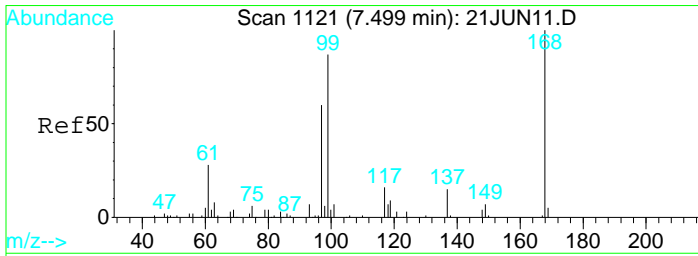
Data File : D:\DATA\NOV2023C\NOV30\30NOV55.D
Acq On : 1 Dec 2023 3:55 am
Sample : 2322252-06
Misc : 1 ;25ML;pH<2
MS Integration Params: rteint.p
Quant Time: Dec 1 11:36 2023

Vial: 55
Operator: MGC
Inst : MS-V5
Multiplr: 1.00

Quant Results File: 82605C.RES

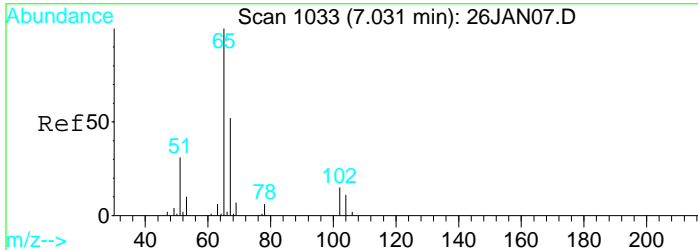
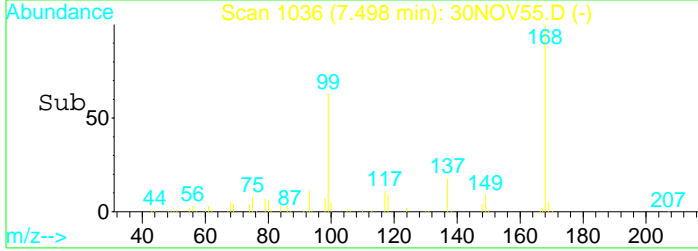
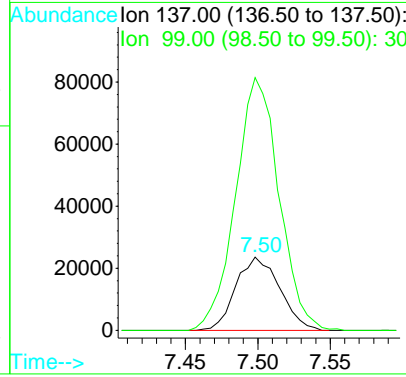
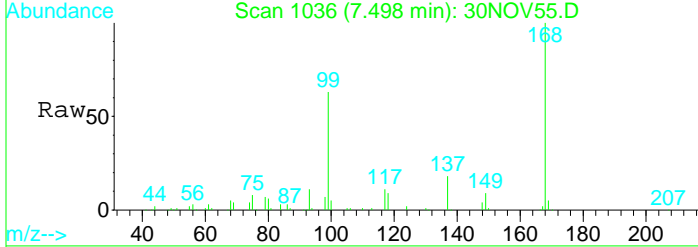
Method : C:\HPCHEM\1\METHODS\C\202311\26-0912\82605C.M (RTE Integrator)
Title : EPA Method 8260C/D
Last Update : Thu Nov 30 12:10:48 2023
Response via : Initial Calibration





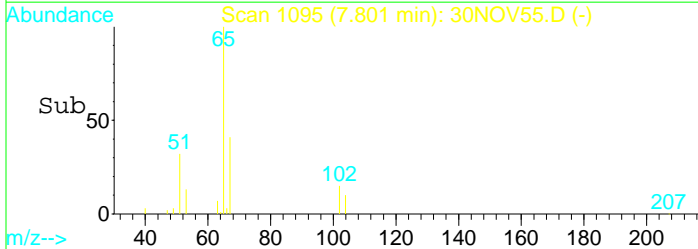
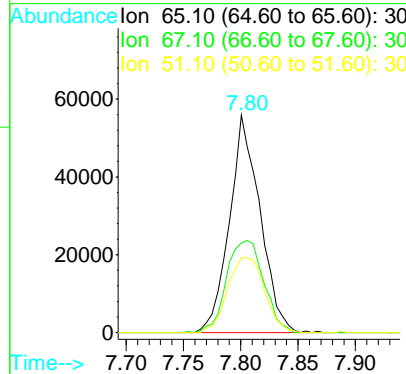
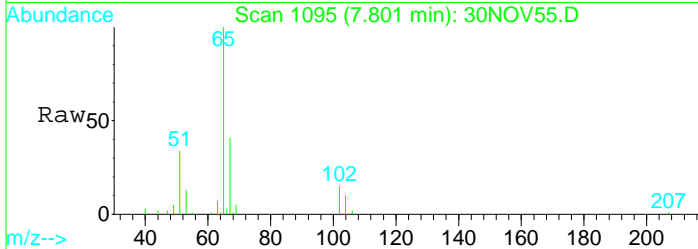
#1
 Pentafluorobenzene IS#1
 Concen: 10.00 ug/L
 RT: 7.50 min Scan# 1036
 Delta R.T. -0.00 min
 Lab File: 30NOV55.D
 Acq: 1 Dec 2023 3:55 am

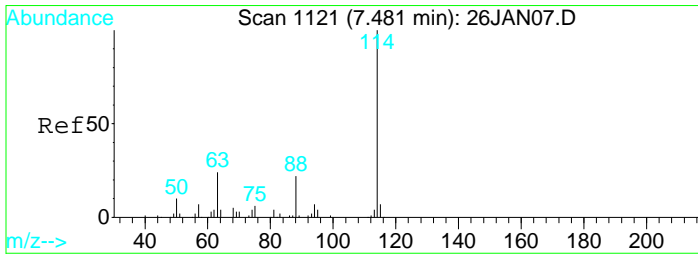
Tgt Ion:137 Resp: 49824
 Ion Ratio Lower Upper
 137 100
 99 340.8 475.5 883.1#



#23
 1,2-dichloroethane d4 SMC #1
 Concen: N.D. ug/L
 RT: 7.80 min Scan# 1095
 Delta R.T. -0.00 min
 Lab File: 30NOV55.D
 Acq: 1 Dec 2023 3:55 am

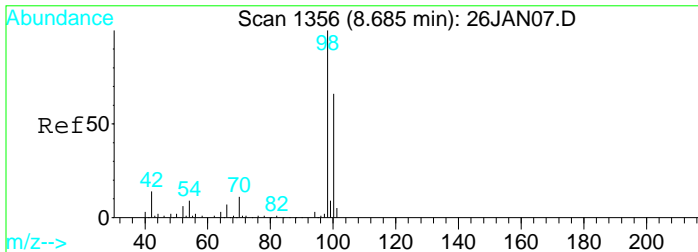
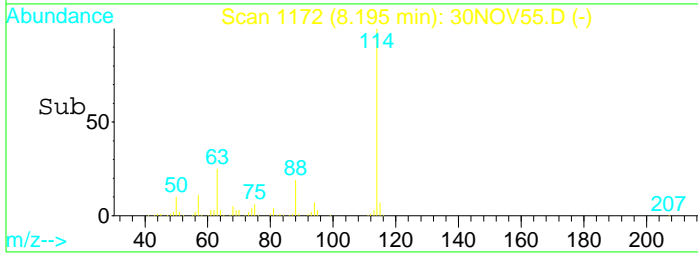
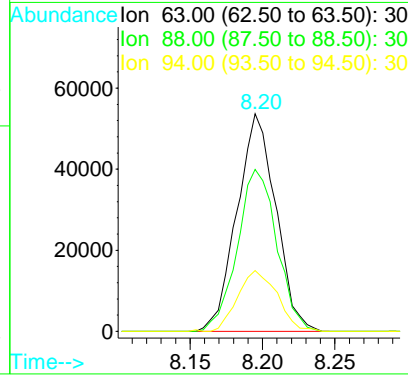
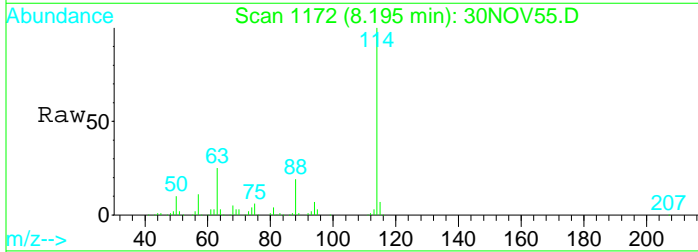
Tgt Ion: 65 Resp: 104011
 Ion Ratio Lower Upper
 65 100
 67 51.3 35.2 65.4
 51 41.7 119.7 222.3#





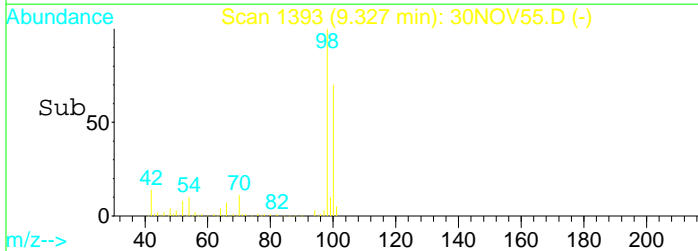
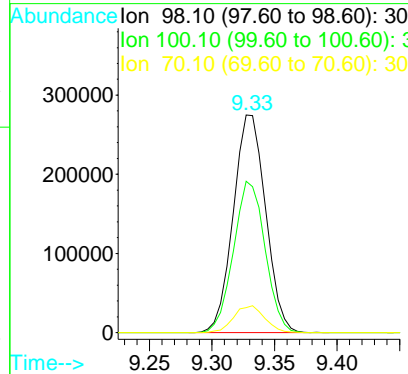
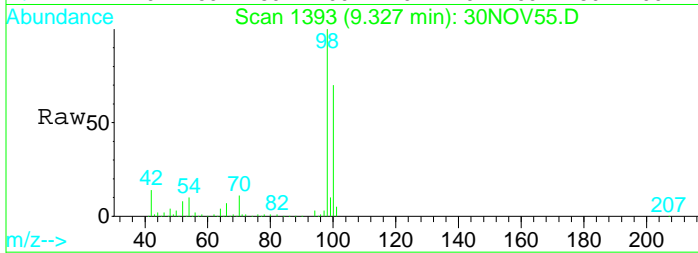
#26
 1,4-Difluorobenzene IS#2
 Concen: 10.00 ug/L
 RT: 8.20 min Scan# 1172
 Delta R.T. -0.00 min
 Lab File: 30NOV55.D
 Acq: 1 Dec 2023 3:55 am

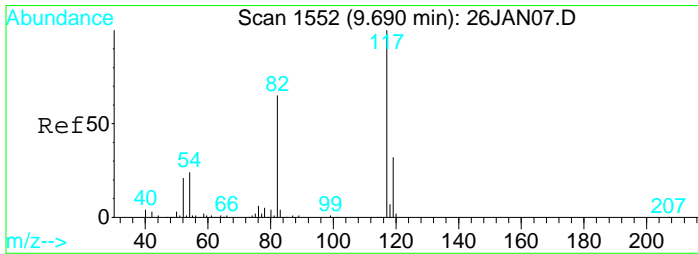
Tgt Ion	Resp	Lower	Upper
63	100375		
63	100		
88	75.5	54.5	101.1
94	28.3	19.7	36.7



#33
 Toluene d8 SMC#2
 Concen: Below ug/L
 RT: 9.33 min Scan# 1393
 Delta R.T. -0.00 min
 Lab File: 30NOV55.D
 Acq: 1 Dec 2023 3:55 am

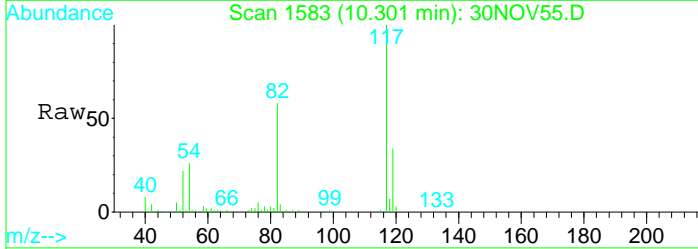
Tgt Ion	Resp	Lower	Upper
98	496004		
98	100		
100	67.7	47.5	88.1
70	11.9	8.1	15.1



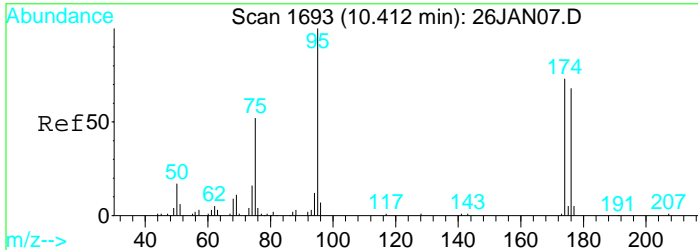
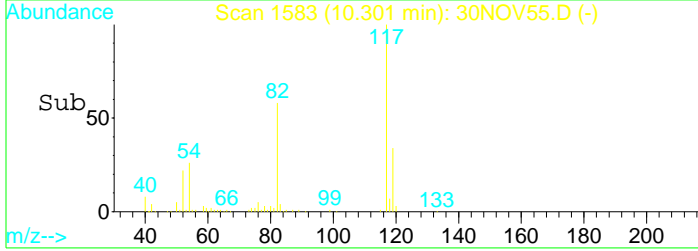
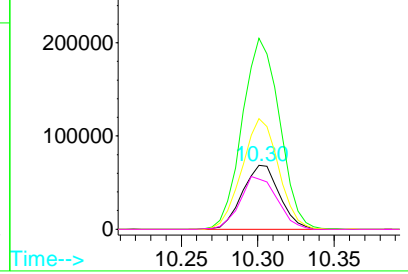


#41
 Chlorobenzene d5 IS#3
 Concen: 10.00 ug/L
 RT: 10.30 min Scan# 1583
 Delta R.T. -0.00 min
 Lab File: 30NOV55.D
 Acq: 1 Dec 2023 3:55 am

Tgt Ion	Resp	Lower	Upper
119	115730		
117	300.6	215.3	399.8
82	170.3	121.5	225.7
54	82.0	52.1	96.9



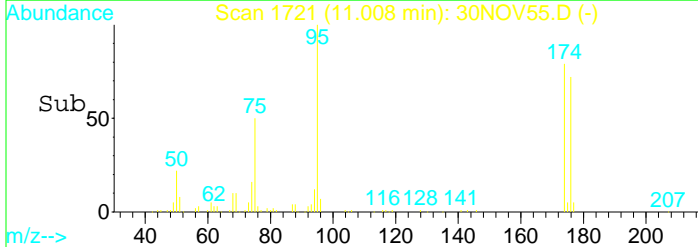
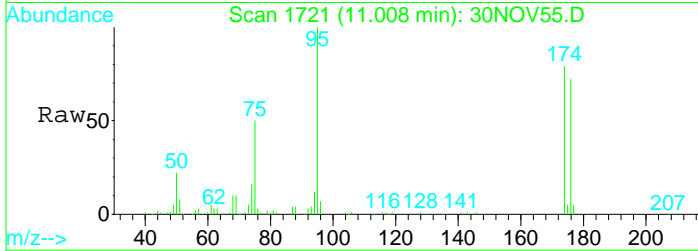
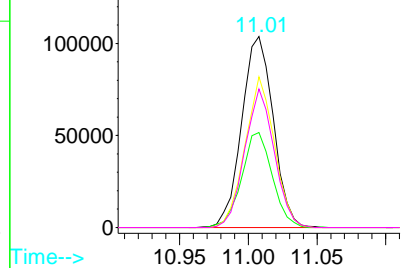
Abundance Ion 119.00 (118.50 to 119.50):
 Ion 117.00 (116.50 to 117.50):
 Ion 82.10 (81.60 to 82.60):
 Ion 54.10 (53.60 to 54.60):



#51
 Bromofluorobenzene SMC#3
 Concen: N.D. ug/L
 RT: 11.01 min Scan# 1721
 Delta R.T. 0.00 min
 Lab File: 30NOV55.D
 Acq: 1 Dec 2023 3:55 am

Tgt Ion	Resp	Lower	Upper
95	165913		
75	48.0	32.5	60.3
174	73.1	50.4	93.6
176	67.4	49.4	91.8

Abundance Ion 95.00 (94.50 to 95.50):
 Ion 75.00 (74.50 to 75.50):
 Ion 173.90 (173.40 to 174.40):
 Ion 175.90 (175.40 to 176.40):



Data File : D:\DATA\NOV2023C\NOV30\30NOV55.D
 Acq On : 1 Dec 2023 3:55 am
 Sample : 2322252-06
 Misc : 1 ;25ML;pH<2

Vial: 55
 Operator: MGC
 Inst : MS-V5
 Multiplr: 1.00

MS Integration Params: rteint.p
 Quant Time: Dec 1 11:43 2023

Quant Results File: 82605CX.RES

Quant Method : C:\HPCHEM\1...\82605CX.M (RTE Integrator)
 Title : EPA Method 8260C/DX
 Last Update : Fri Dec 01 08:39:53 2023
 Response via : Initial Calibration
 DataAcq Meth : 82605

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene IS#1	7.50	137	49824	10.00	ug/L	0.00
29) 1,4-Difluorobenzene IS#2	8.20	63	100375	10.00	ug/L	0.00
36) Chlorobenzene d5 IS#3	10.30	119	115730	10.00	ug/L	0.00

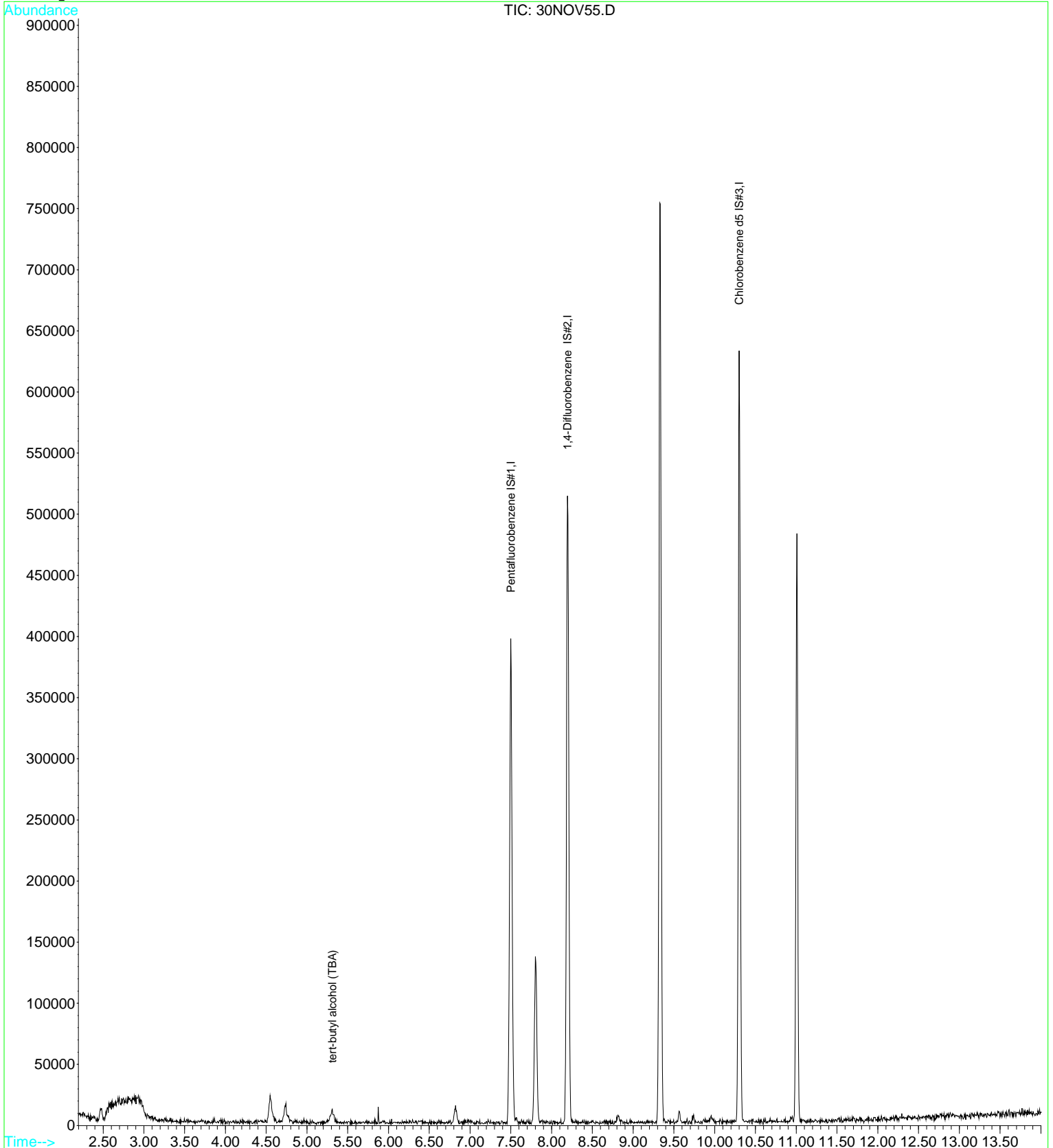
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) tert-butyl alcohol (TBA)	5.31	59	17598	38.33	ug/L	100

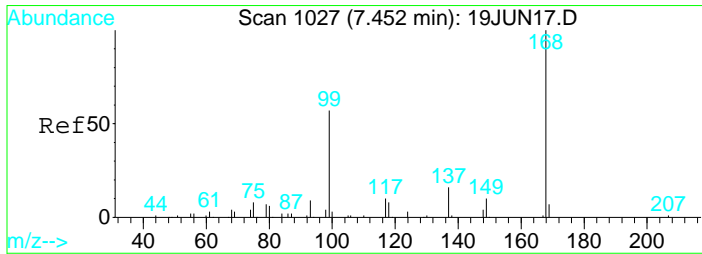
Data File : D:\DATA\NOV2023C\NOV30\30NOV55.D
Acq On : 1 Dec 2023 3:55 am
Sample : 2322252-06
Misc : 1 ;25ML;pH<2
MS Integration Params: rteint.p
Quant Time: Dec 1 11:43 2023

Vial: 55
Operator: MGC
Inst : MS-V5
Multiplr: 1.00

Quant Results File: 82605CX.RES

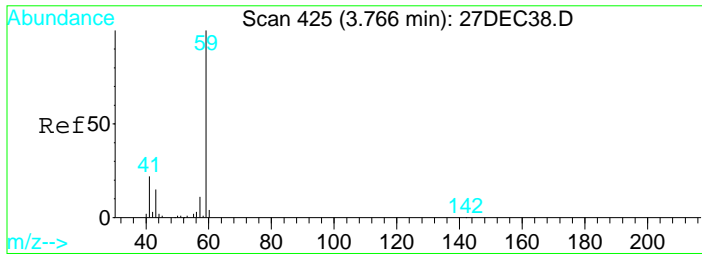
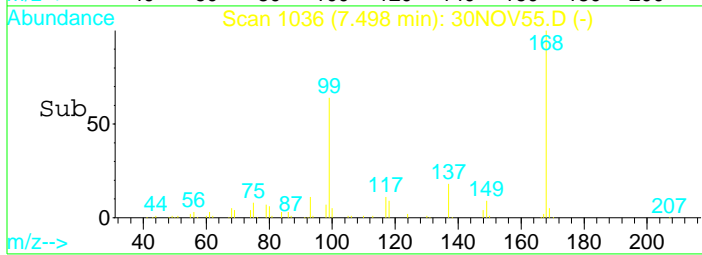
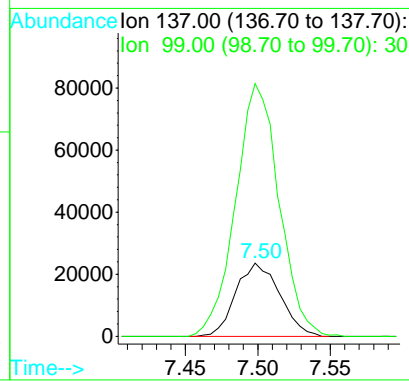
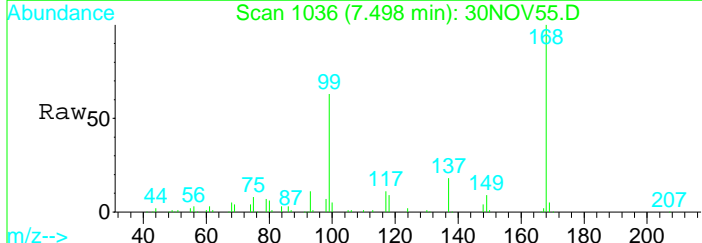
Method : C:\HPCHEM\1\METHODS\C\202311\26-1336\82605CX.M (RTE Integrator)
Title : EPA Method 8260C/DX
Last Update : Fri Dec 01 08:39:53 2023
Response via : Initial Calibration





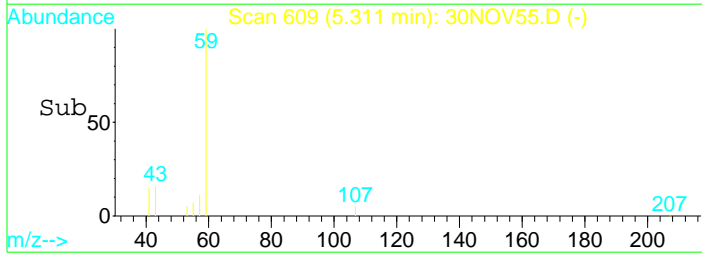
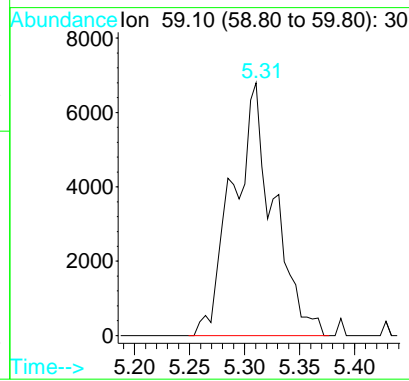
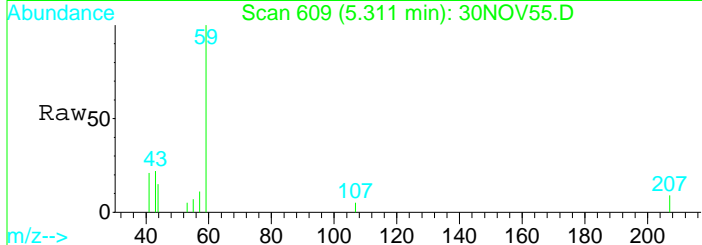
#1
 Pentafluorobenzene IS#1
 Concen: 10.00 ug/L
 RT: 7.50 min Scan# 1036
 Delta R.T. 0.00 min
 Lab File: 30NOV55.D
 Acq: 1 Dec 2023 3:55 am

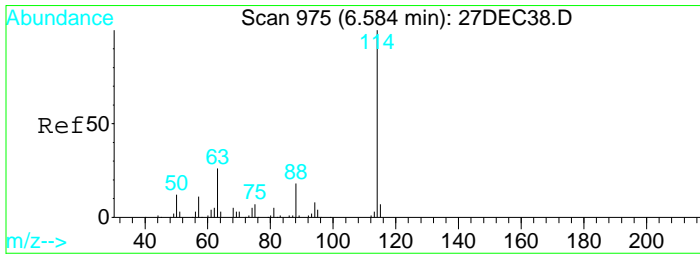
Tgt Ion	Resp	Lower	Upper
137	100		
99	340.8	235.9	438.1



#9
 tert-butyl alcohol (TBA)
 Concen: 38.33 ug/L
 RT: 5.31 min Scan# 609
 Delta R.T. 0.00 min
 Lab File: 30NOV55.D
 Acq: 1 Dec 2023 3:55 am

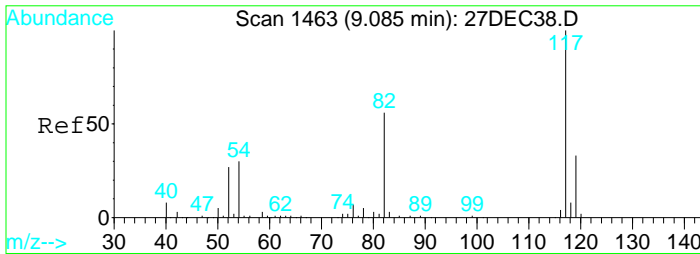
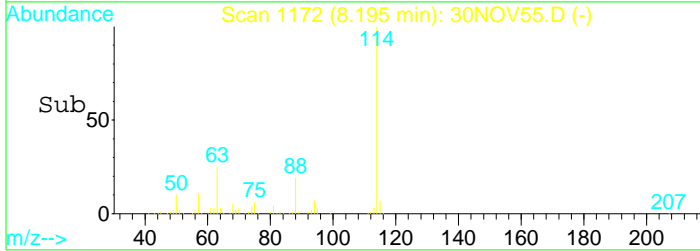
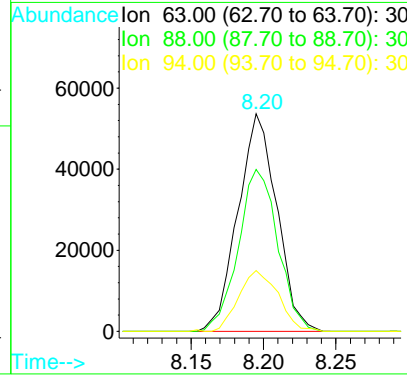
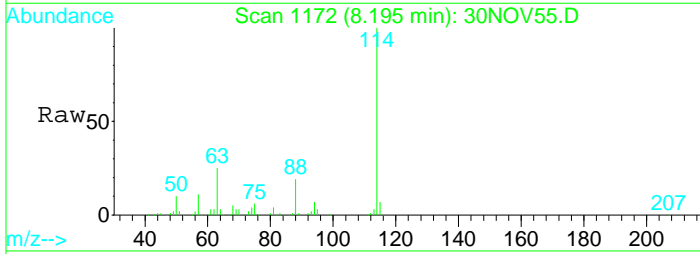
Tgt Ion: 59 Resp: 17598





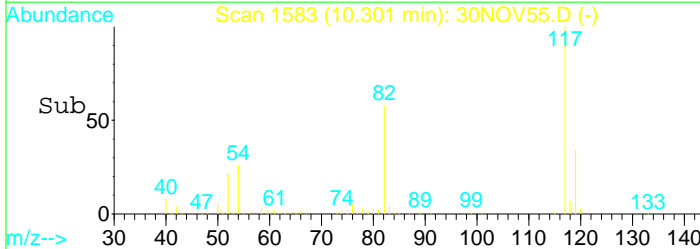
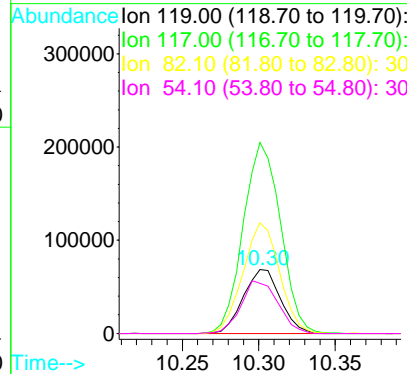
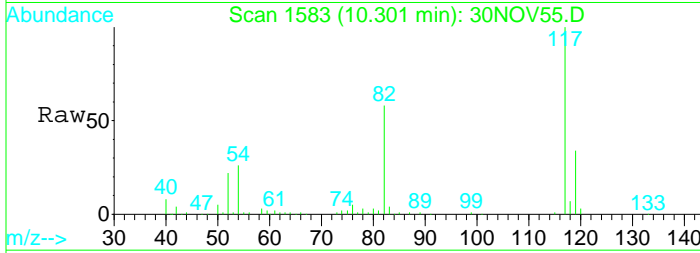
#29
 1,4-Difluorobenzene IS#2
 Concen: 10.00 ug/L
 RT: 8.20 min Scan# 1172
 Delta R.T. -0.00 min
 Lab File: 30NOV55.D
 Acq: 1 Dec 2023 3:55 am

Tgt Ion	Resp	Lower	Upper
63	100375		
63	100		
88	75.5	51.3	95.3
94	28.3	19.7	36.5



#36
 Chlorobenzene d5 IS#3
 Concen: 10.00 ug/L
 RT: 10.30 min Scan# 1583
 Delta R.T. -0.00 min
 Lab File: 30NOV55.D
 Acq: 1 Dec 2023 3:55 am

Tgt Ion	Resp	Lower	Upper
119	115730		
119	100		
117	300.6	215.3	399.9
82	170.3	119.8	222.4
54	82.0	50.5	93.9



Data File : D:\DATA\NOV2023C\NOV30\30NOV56.D
 Acq On : 1 Dec 2023 4:19 am
 Sample : 2322252-07
 Misc : 1 ;25ML;pH<2

Vial: 56
 Operator: MGC
 Inst : MS-V5
 Multiplr: 1.00

MS Integration Params: rteint.p

Quant Time: Dec 1 11:37 2023

Quant Results File: 82605C.RES

Quant Method : C:\HPCHEM\1...\82605C.M (RTE Integrator)

Title : EPA Method 8260C/D
 Last Update : Thu Nov 30 12:10:48 2023
 Response via : Initial Calibration
 DataAcq Meth : 82605

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene IS#1	7.50	137	47590	10.00	ug/L	0.00
26) 1,4-Difluorobenzene IS#2	8.20	63	96969	10.00	ug/L	0.00
41) Chlorobenzene d5 IS#3	10.30	119	112610	10.00	ug/L	0.00

System Monitoring Compounds

23) 1,2-dichloroethane d4 SMC	7.80	65	105368	11.23	ug/L	0.00
Spiked Amount	10.000	Range	75 - 125	Recovery	=	112.30%
33) Toluene d8 SMC#2	9.33	98	493312	9.90	ug/L	0.00
Spiked Amount	10.000	Range	80 - 120	Recovery	=	99.00%
51) Bromofluorobenzene SMC#3	11.01	95	164989	10.18	ug/L	0.00
Spiked Amount	10.000	Range	80 - 120	Recovery	=	101.80%

Target Compounds

	R.T.	QIon	Response	Conc	Units	Qvalue
5) Vinyl chloride	2.72	62	2427	0.11	ug/L	# 65
17) Cis-1,2-dichloroethene	6.95	96	80527	4.93	ug/L	93
27) Trichloroethene	8.41	130	5523	0.35	ug/L	96
37) Tetrachloroethene (PCE)	9.75	166	3557	0.24	ug/L	83

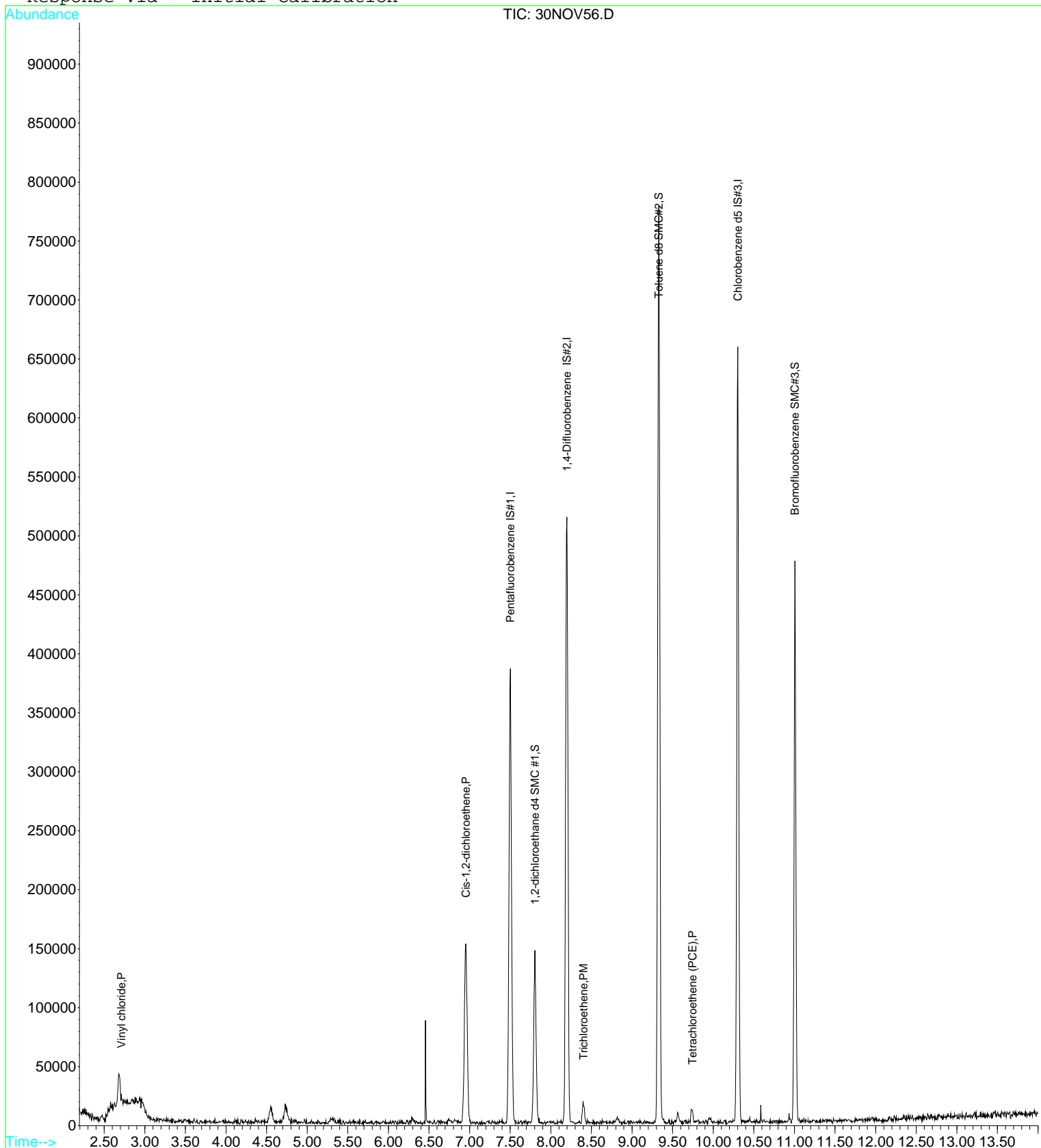
(#) = qualifier out of range (m) = manual integration

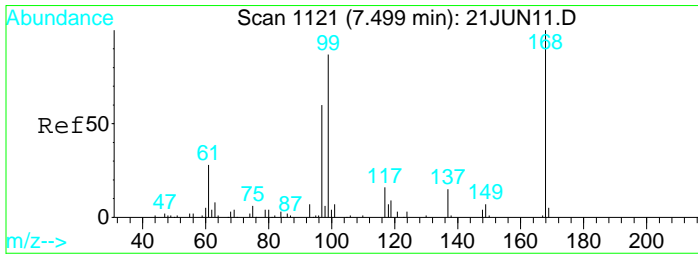
Data File : D:\DATA\NOV2023C\NOV30\30NOV56.D
Acq On : 1 Dec 2023 4:19 am
Sample : 2322252-07
Misc : 1 ;25ML;pH<2
MS Integration Params: rteint.p
Quant Time: Dec 1 11:37 2023

Vial: 56
Operator: MGC
Inst : MS-V5
Multiplr: 1.00

Quant Results File: 82605C.RES

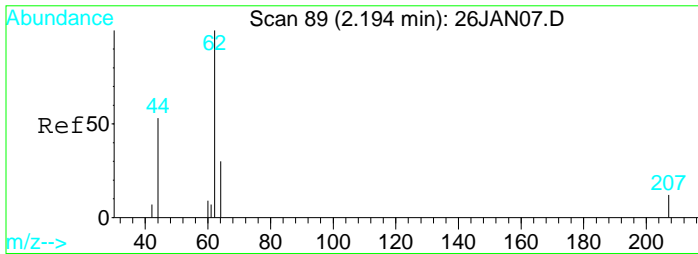
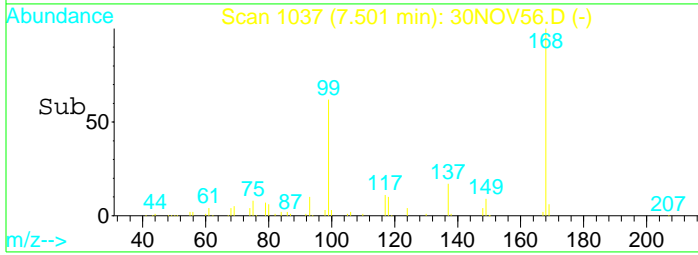
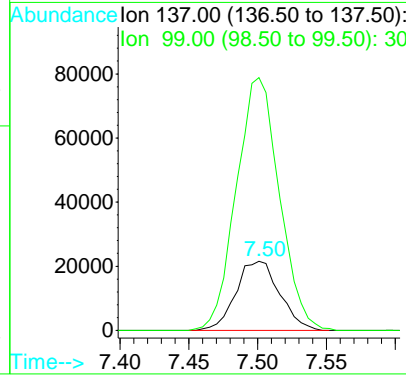
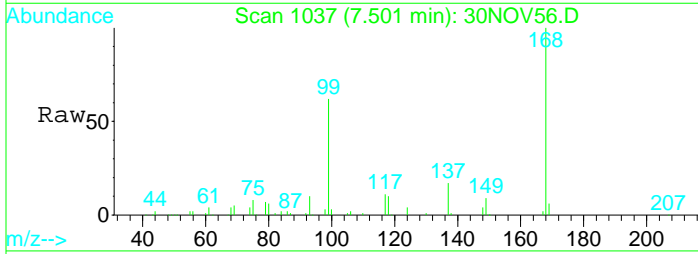
Method : C:\HPCHEM\1\METHODS\C\202311\26-0912\82605C.M (RTE Integrator)
Title : EPA Method 8260C/D
Last Update : Thu Nov 30 12:10:48 2023
Response via : Initial Calibration





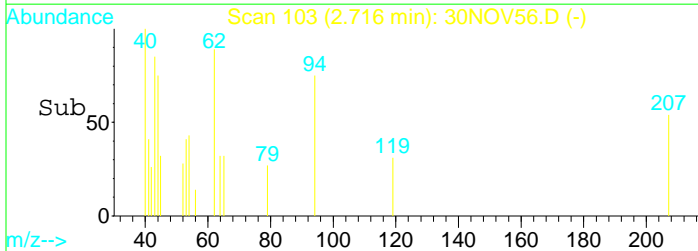
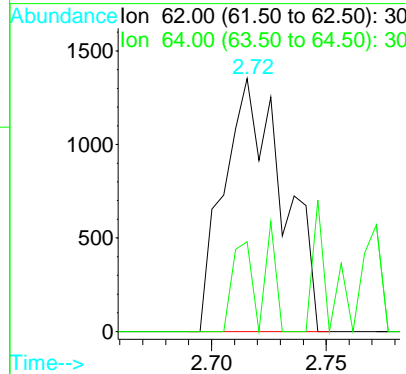
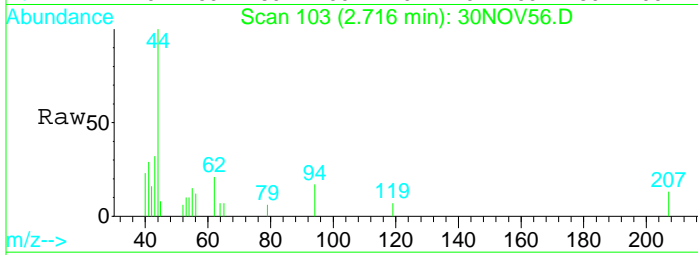
#1
 Pentafluorobenzene IS#1
 Concen: 10.00 ug/L
 RT: 7.50 min Scan# 1037
 Delta R.T. -0.00 min
 Lab File: 30NOV56.D
 Acq: 1 Dec 2023 4:19 am

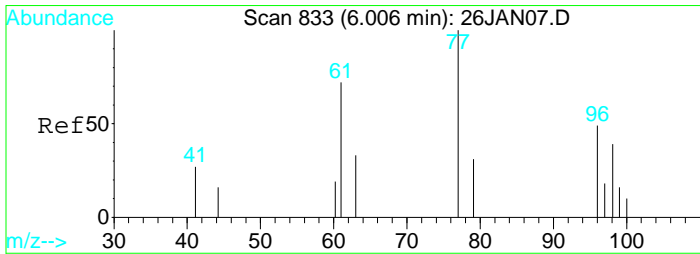
Tgt Ion: 137 Resp: 47590
 Ion Ratio Lower Upper
 137 100
 99 360.5 475.5 883.1#



#5
 Vinyl chloride
 Concen: 0.11 ug/L
 RT: 2.72 min Scan# 103
 Delta R.T. -0.00 min
 Lab File: 30NOV56.D
 Acq: 1 Dec 2023 4:19 am

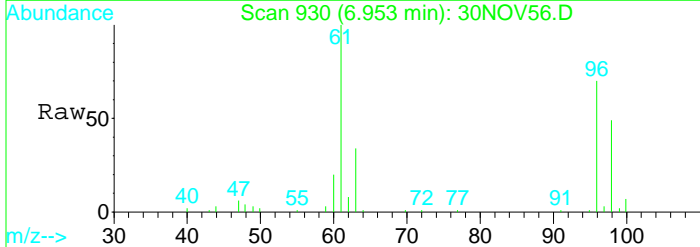
Tgt Ion: 62 Resp: 2427
 Ion Ratio Lower Upper
 62 100
 64 11.6 21.7 40.3#



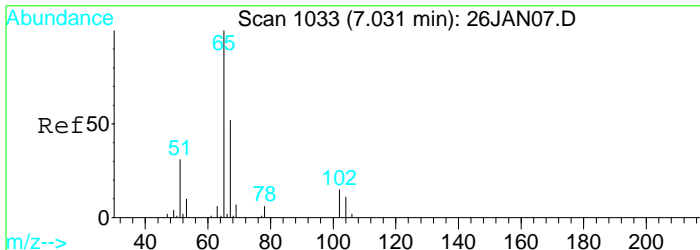
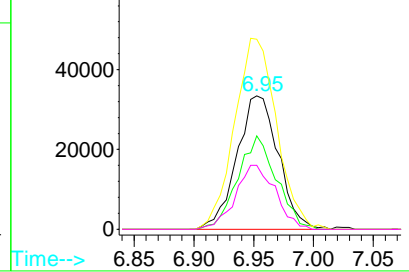
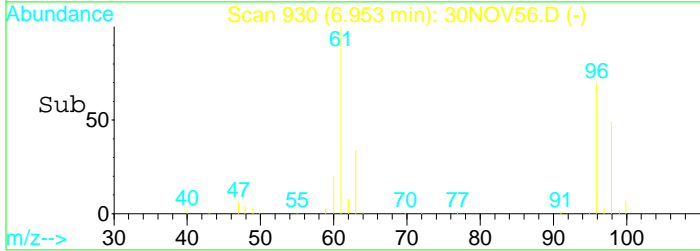


#17
 Cis-1,2-dichloroethene
 Concen: 4.93 ug/L
 RT: 6.95 min Scan# 930
 Delta R.T. 0.00 min
 Lab File: 30NOV56.D
 Acq: 1 Dec 2023 4:19 am

Tgt Ion	Resp	Lower	Upper
96	100		
98	65.4	45.6	84.6
61	145.1	111.2	206.4
63	46.1	35.4	65.8

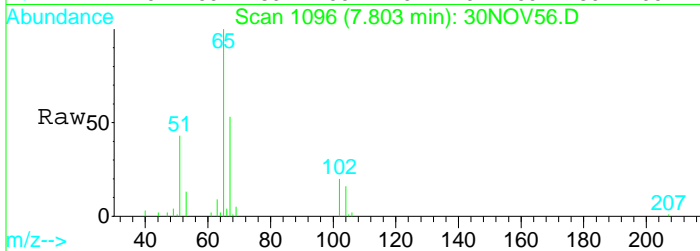


Abundance	Ion	Time Range	Area
30	96.00	(95.50 to 96.50)	30
30	98.00	(97.50 to 98.50)	30
30	61.00	(60.50 to 61.50)	30
30	63.00	(62.50 to 63.50)	30

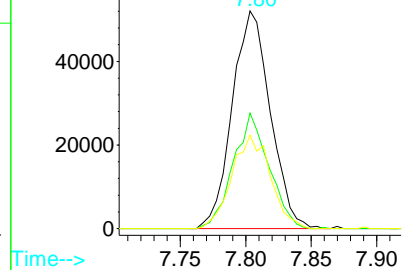
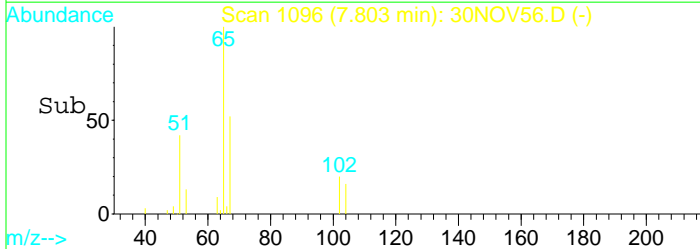


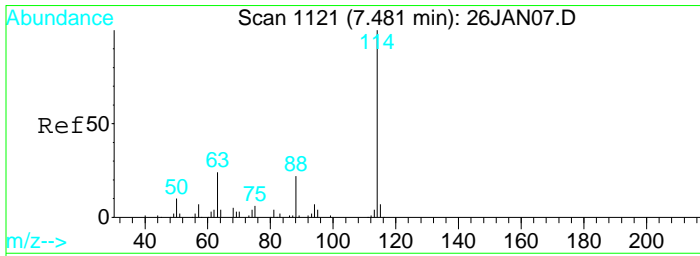
#23
 1,2-dichloroethane d4 SMC #1
 Concen: N.D. ug/L
 RT: 7.80 min Scan# 1096
 Delta R.T. -0.00 min
 Lab File: 30NOV56.D
 Acq: 1 Dec 2023 4:19 am

Tgt Ion	Resp	Lower	Upper
65	100		
67	49.6	35.2	65.4
51	43.4	119.7	222.3#



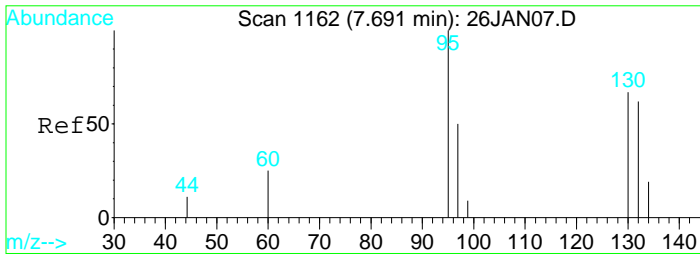
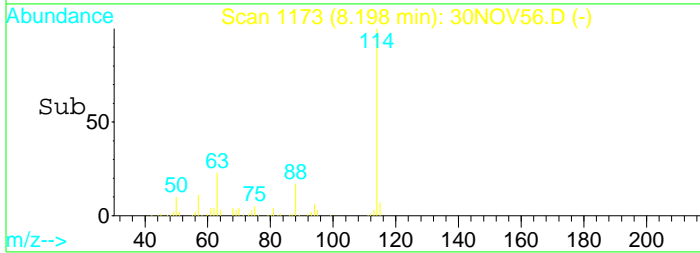
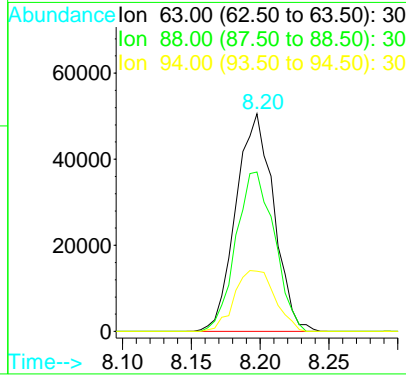
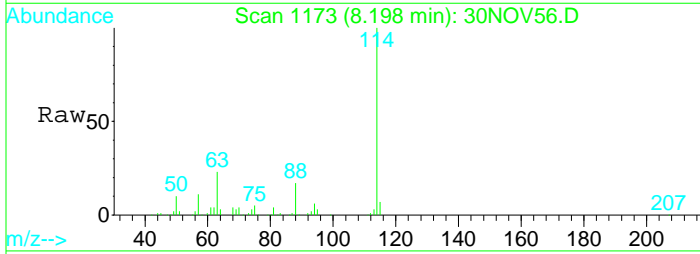
Abundance	Ion	Time Range	Area
30	65.10	(64.60 to 65.60)	30
30	67.10	(66.60 to 67.60)	30
30	51.10	(50.60 to 51.60)	30





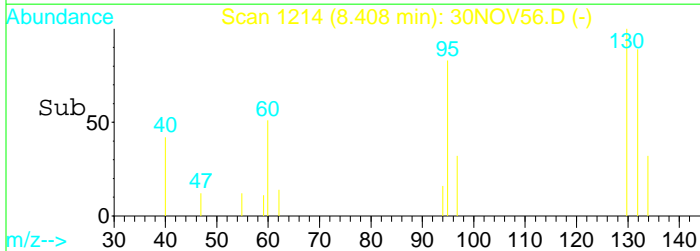
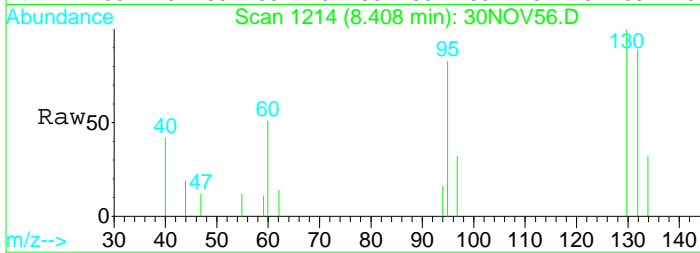
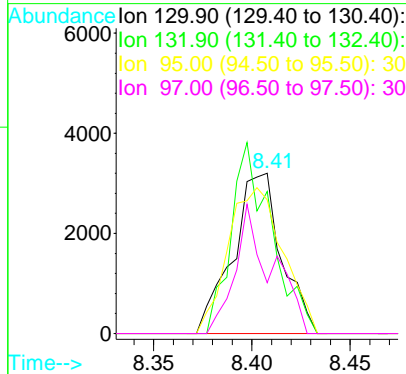
#26
 1,4-Difluorobenzene IS#2
 Concen: 10.00 ug/L
 RT: 8.20 min Scan# 1173
 Delta R.T. -0.00 min
 Lab File: 30NOV56.D
 Acq: 1 Dec 2023 4:19 am

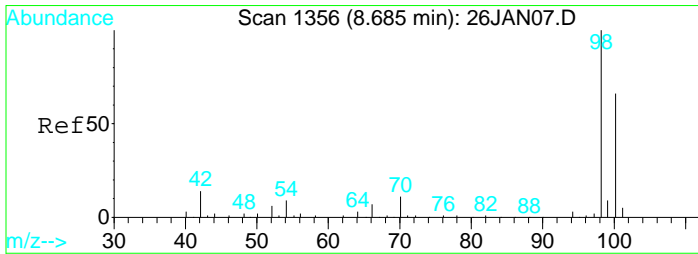
Tgt Ion	Resp	Lower	Upper
63	100		
88	74.6	54.5	101.1
94	30.0	19.7	36.7



#27
 Trichloroethene
 Concen: 0.35 ug/L
 RT: 8.41 min Scan# 1214
 Delta R.T. 0.01 min
 Lab File: 30NOV56.D
 Acq: 1 Dec 2023 4:19 am

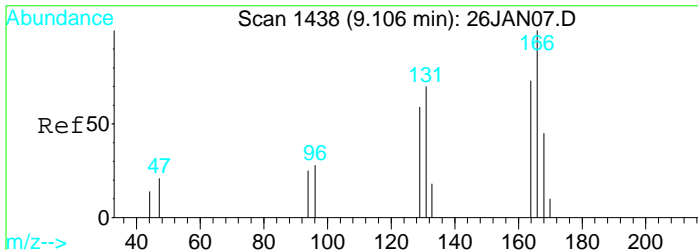
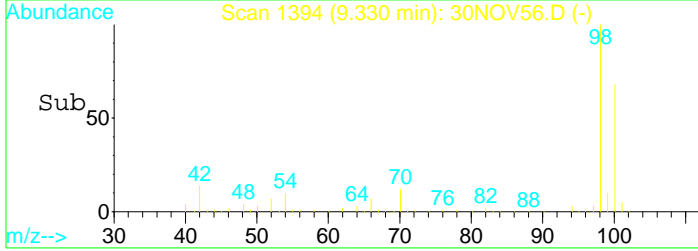
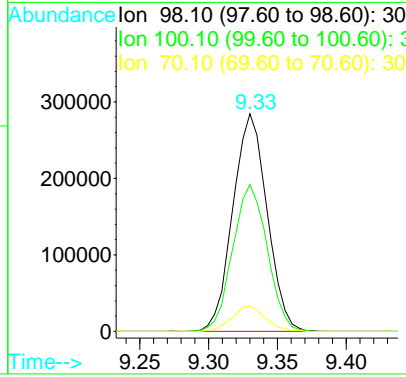
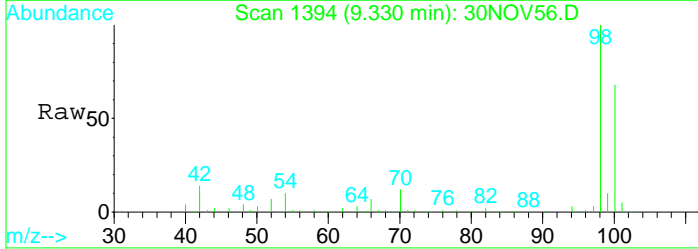
Tgt Ion	Resp	Lower	Upper
130	100		
132	99.0	66.7	123.9
95	102.9	69.4	129.0
97	60.8	45.8	85.2





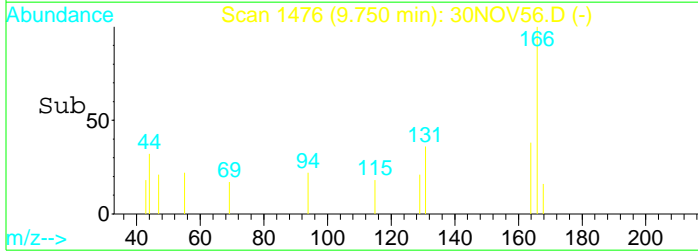
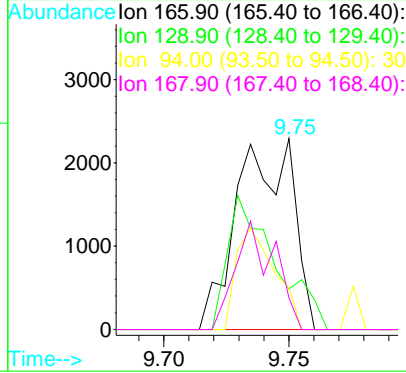
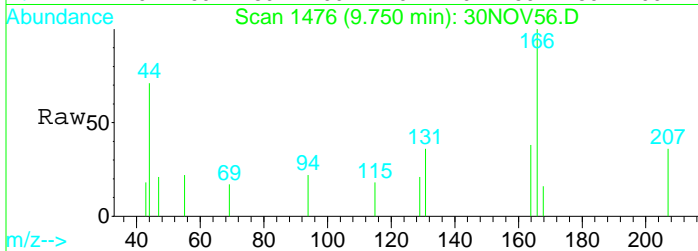
#33
 Toluene d8 SMC#2
 Concen: N.D. ug/L
 RT: 9.33 min Scan# 1394
 Delta R.T. -0.00 min
 Lab File: 30NOV56.D
 Acq: 1 Dec 2023 4:19 am

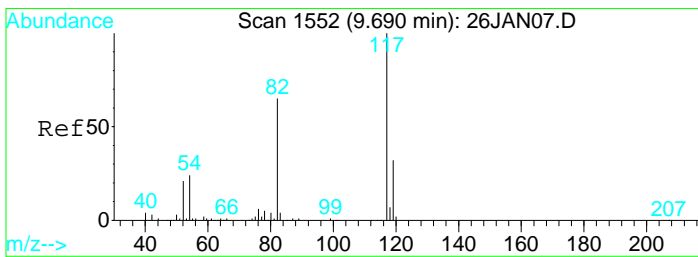
Tgt Ion	Resp	Lower	Upper
98	493312		
100	67.8	47.5	88.1
70	11.4	8.1	15.1



#37
 Tetrachloroethene (PCE)
 Concen: 0.24 ug/L
 RT: 9.75 min Scan# 1476
 Delta R.T. 0.02 min
 Lab File: 30NOV56.D
 Acq: 1 Dec 2023 4:19 am

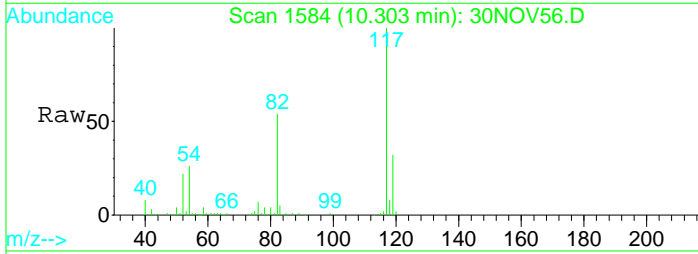
Tgt Ion	Resp	Lower	Upper
166	3557		
129	60.1	55.6	103.4
94	37.0	32.4	60.2
168	39.6	33.4	62.0



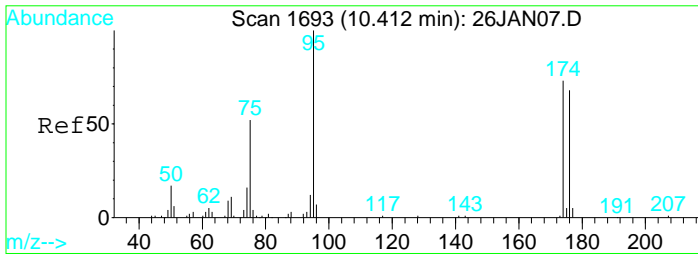
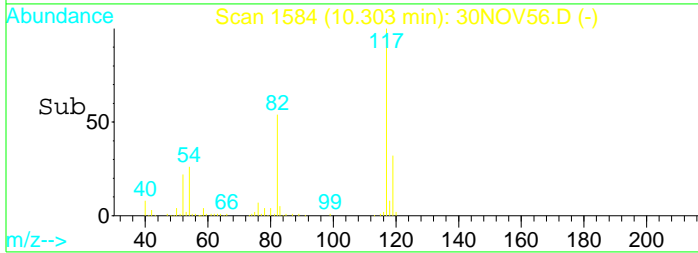
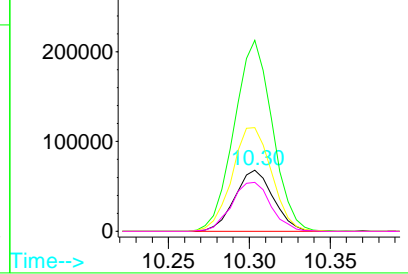


#41
 Chlorobenzene d5 IS#3
 Concen: 10.00 ug/L
 RT: 10.30 min Scan# 1584
 Delta R.T. -0.00 min
 Lab File: 30NOV56.D
 Acq: 1 Dec 2023 4:19 am

Tgt Ion	Resp	Lower	Upper
119	112610		
117	310.2	215.3	399.8
82	174.9	121.5	225.7
54	81.4	52.1	96.9

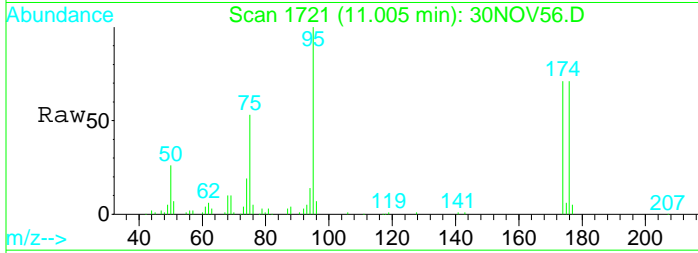


Abundance Ion 119.00 (118.50 to 119.50):
 Ion 117.00 (116.50 to 117.50):
 Ion 82.10 (81.60 to 82.60): 30
 Ion 54.10 (53.60 to 54.60): 30

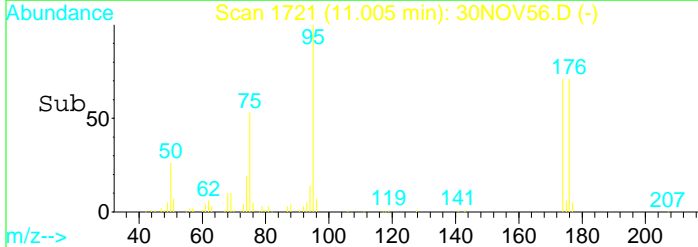
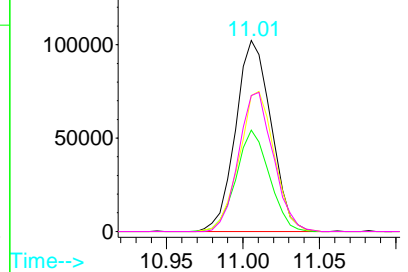


#51
 Bromofluorobenzene SMC#3
 Concen: N.D. ug/L
 RT: 11.01 min Scan# 1721
 Delta R.T. -0.00 min
 Lab File: 30NOV56.D
 Acq: 1 Dec 2023 4:19 am

Tgt Ion	Resp	Lower	Upper
95	164989		
75	49.9	32.5	60.3
174	72.3	50.4	93.6
176	71.0	49.4	91.8



Abundance Ion 95.00 (94.50 to 95.50): 30
 Ion 75.00 (74.50 to 75.50): 30
 Ion 173.90 (173.40 to 174.40):
 Ion 175.90 (175.40 to 176.40):



Data File : D:\DATA\NOV2023C\NOV30\30NOV56.D
 Acq On : 1 Dec 2023 4:19 am
 Sample : 2322252-07
 Misc : 1 ;25ML;pH<2

Vial: 56
 Operator: MGC
 Inst : MS-V5
 Multiplr: 1.00

MS Integration Params: rteint.p
 Quant Time: Dec 1 11:44 2023

Quant Results File: 82605CX.RES

Quant Method : C:\HPCHEM\1...\82605CX.M (RTE Integrator)
 Title : EPA Method 8260C/DX
 Last Update : Fri Dec 01 08:39:53 2023
 Response via : Initial Calibration
 DataAcq Meth : 82605

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene IS#1	7.50	137	47590	10.00	ug/L	0.00
29) 1,4-Difluorobenzene IS#2	8.20	63	96969	10.00	ug/L	0.00
36) Chlorobenzene d5 IS#3	10.30	119	112610	10.00	ug/L	0.00

Target Compounds Qvalue

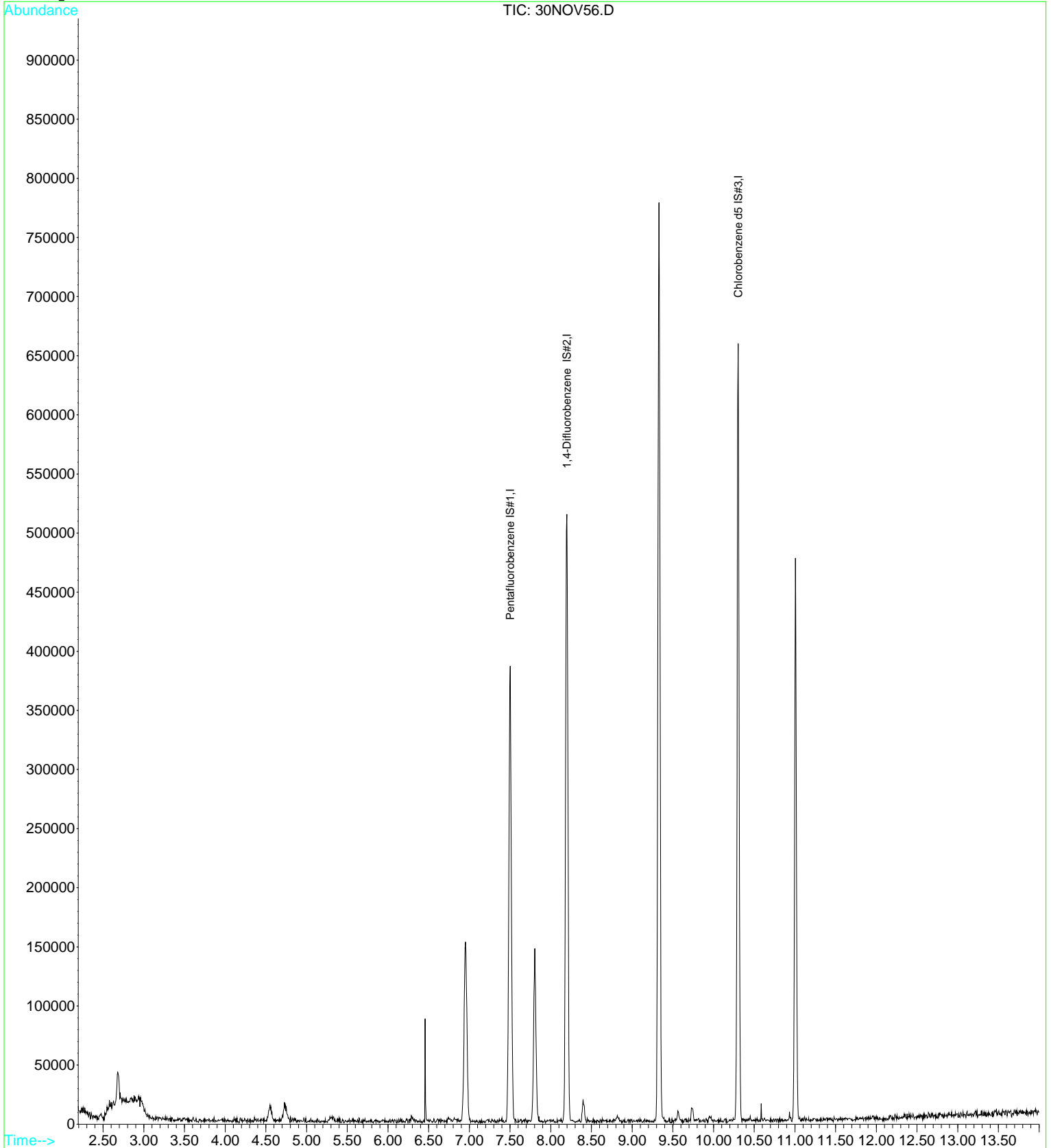
Quantitation Report

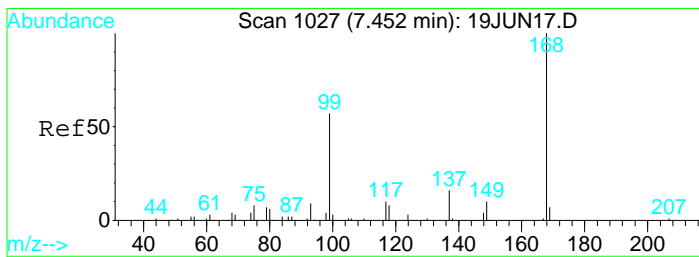
Data File : D:\DATA\NOV2023C\NOV30\30NOV56.D
Acq On : 1 Dec 2023 4:19 am
Sample : 2322252-07
Misc : 1 ;25ML;pH<2
MS Integration Params: rteint.p
Quant Time: Dec 1 11:44 2023

Vial: 56
Operator: MGC
Inst : MS-V5
Multiplr: 1.00

Quant Results File: 82605CX.RES

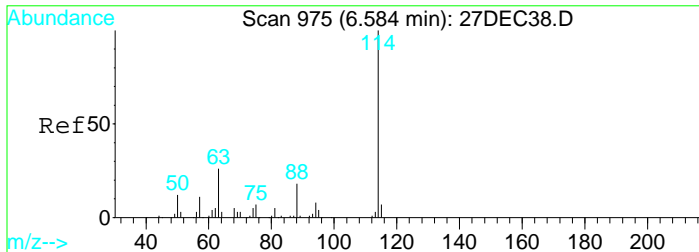
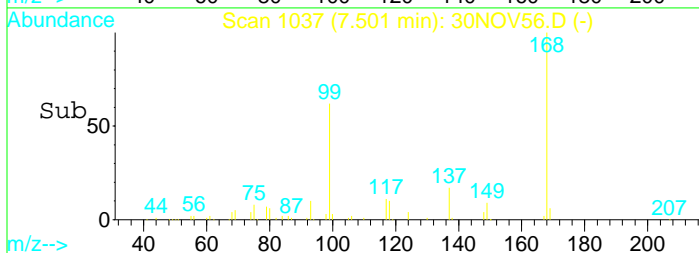
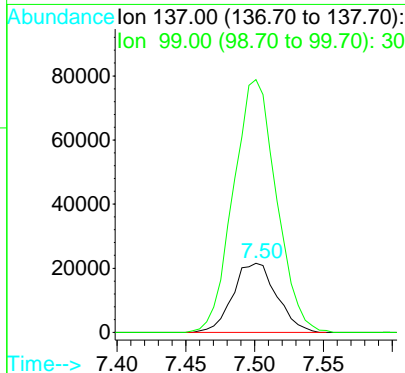
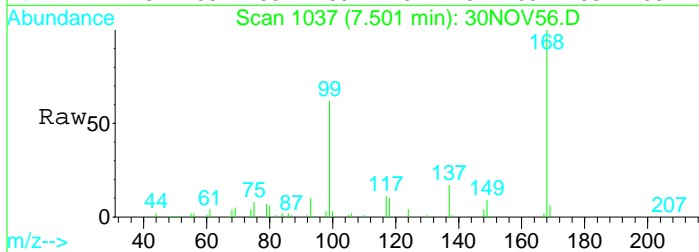
Method : C:\HPCHEM\1\METHODS\C\202311\26-1336\82605CX.M (RTE Integrator)
Title : EPA Method 8260C/DX
Last Update : Fri Dec 01 08:39:53 2023
Response via : Initial Calibration





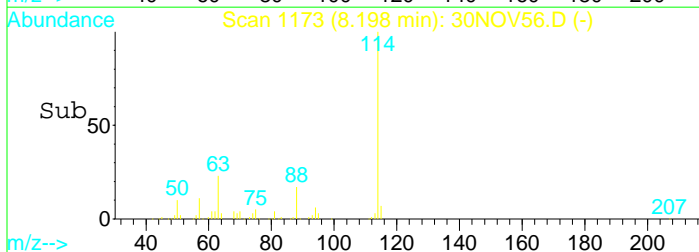
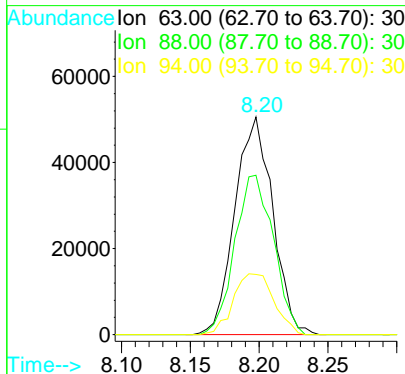
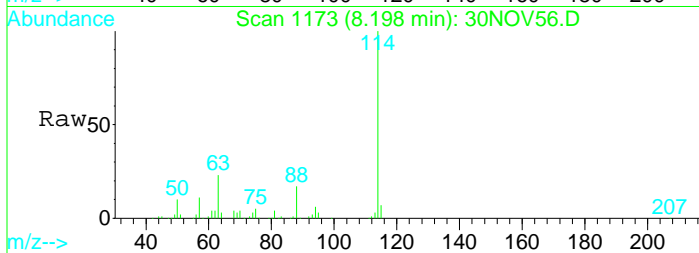
#1
 Pentafluorobenzene IS#1
 Concen: 10.00 ug/L
 RT: 7.50 min Scan# 1037
 Delta R.T. 0.00 min
 Lab File: 30NOV56.D
 Acq: 1 Dec 2023 4:19 am

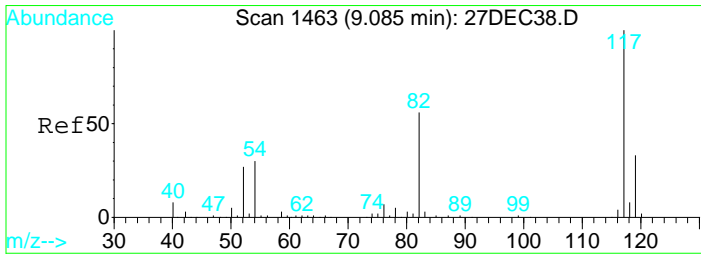
Tgt Ion	Resp	Lower	Upper
137	100		
99	360.5	235.9	438.1



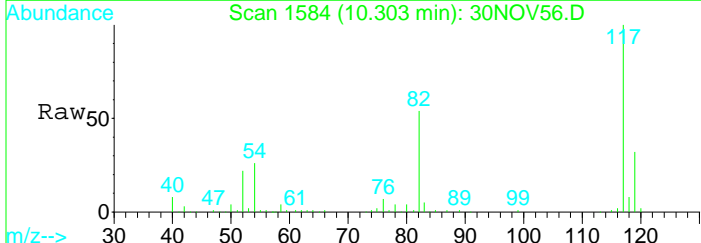
#29
 1,4-Difluorobenzene IS#2
 Concen: 10.00 ug/L
 RT: 8.20 min Scan# 1173
 Delta R.T. -0.00 min
 Lab File: 30NOV56.D
 Acq: 1 Dec 2023 4:19 am

Tgt Ion	Resp	Lower	Upper
63	100		
88	74.6	51.3	95.3
94	30.0	19.7	36.5



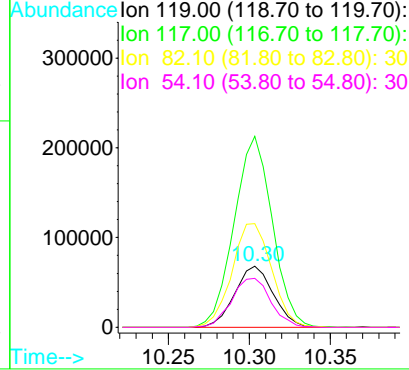
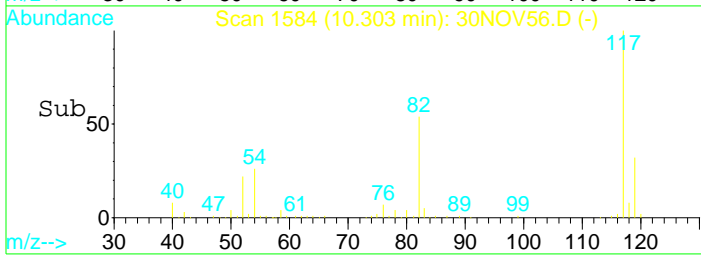


#36
 Chlorobenzene d5 IS#3
 Concen: 10.00 ug/L
 RT: 10.30 min Scan# 1584
 Delta R.T. -0.00 min
 Lab File: 30NOV56.D
 Acq: 1 Dec 2023 4:19 am



Tgt Ion:119 Resp: 112610

Ion	Ratio	Lower	Upper
119	100		
117	310.2	215.3	399.9
82	174.9	119.8	222.4
54	81.4	50.5	93.9



Data File : D:\DATA\NOV2023C\NOV30\30NOV57.D
 Acq On : 1 Dec 2023 4:43 am
 Sample : 2322252-08
 Misc : 1 ;25ML;pH<2

Vial: 57
 Operator: MGC
 Inst : MS-V5
 Multiplr: 1.00

MS Integration Params: rteint.p

Quant Time: Dec 1 11:38 2023

Quant Results File: 82605C.RES

Quant Method : C:\HPCHEM\1...\82605C.M (RTE Integrator)

Title : EPA Method 8260C/D
 Last Update : Thu Nov 30 12:10:48 2023
 Response via : Initial Calibration
 DataAcq Meth : 82605

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene IS#1	7.50	137	50230	10.00	ug/L	0.00
26) 1,4-Difluorobenzene IS#2	8.19	63	100678	10.00	ug/L	0.00
41) Chlorobenzene d5 IS#3	10.30	119	113475	10.00	ug/L	0.00

System Monitoring Compounds

23) 1,2-dichloroethane d4 SMC	7.80	65	104392	10.54	ug/L	0.00
Spiked Amount	10.000	Range	75 - 125	Recovery	=	105.40%
33) Toluene d8 SMC#2	9.33	98	498058	9.63	ug/L	0.00
Spiked Amount	10.000	Range	80 - 120	Recovery	=	96.30%
51) Bromofluorobenzene SMC#3	11.01	95	164510	10.07	ug/L	0.00
Spiked Amount	10.000	Range	80 - 120	Recovery	=	100.70%

Target Compounds

	R.T.	QIon	Response	Conc	Units	Qvalue
5) Vinyl chloride	2.73	62	1902	0.08	ug/L	# 63
14) T-1,2-dichloroethene	5.57	96	1998	0.12	ug/L	# 68
17) Cis-1,2-dichloroethene	6.95	96	75178	4.36	ug/L	95
27) Trichloroethene	8.40	130	26704	1.63	ug/L	93
37) Tetrachloroethene (PCE)	9.74	166	72002	4.71	ug/L	98

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

Data File : D:\DATA\NOV2023C\NOV30\30NOV57.D

Vial: 57

Acq On : 1 Dec 2023 4:43 am

Operator: MGC

Sample : 2322252-08

Inst : MS-V5

Misc : 1 ;25ML;pH<2

Multiplr: 1.00

MS Integration Params: rteint.p

Quant Time: Dec 1 11:38 2023

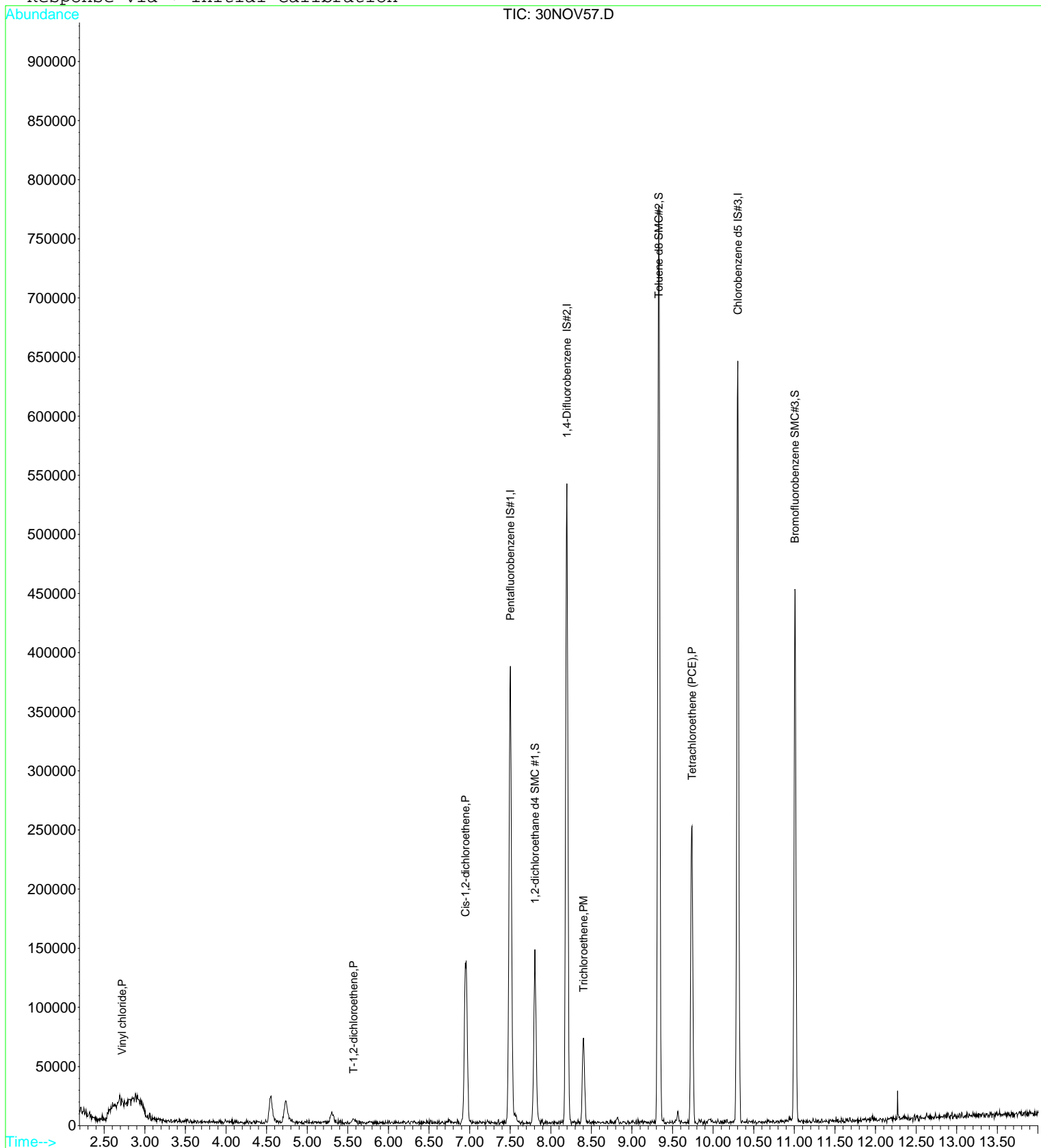
Quant Results File: 82605C.RES

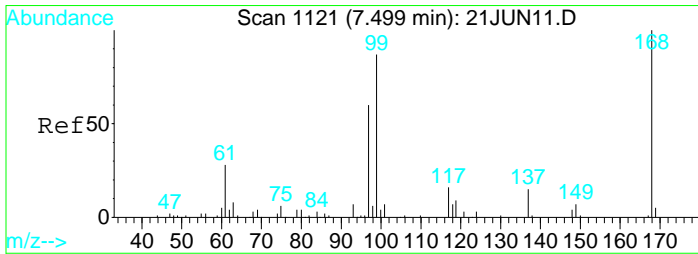
Method : C:\HPCHEM\1\METHODS\C\202311\26-0912\82605C.M (RTE Integrator)

Title : EPA Method 8260C/D

Last Update : Thu Nov 30 12:10:48 2023

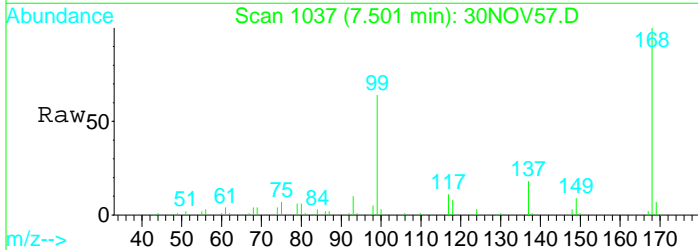
Response via : Initial Calibration



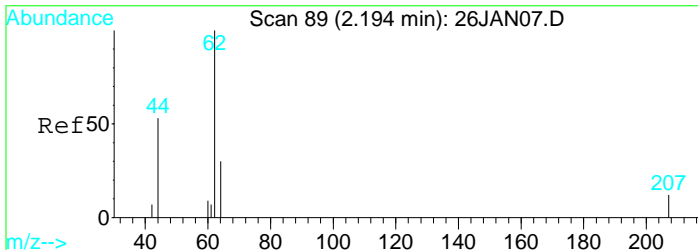
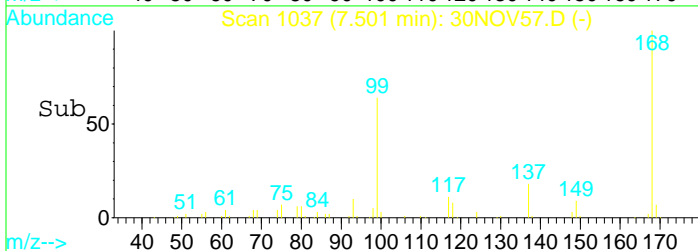
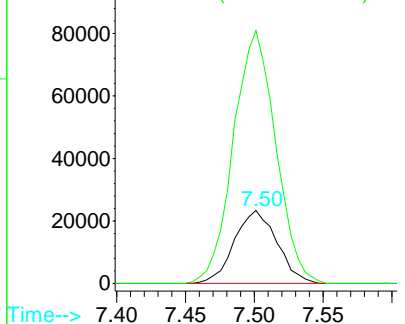


#1
 Pentafluorobenzene IS#1
 Concen: 10.00 ug/L
 RT: 7.50 min Scan# 1037
 Delta R.T. 0.00 min
 Lab File: 30NOV57.D
 Acq: 1 Dec 2023 4:43 am

Tgt Ion: 137 Resp: 50230
 Ion Ratio Lower Upper
 137 100
 99 345.3 475.5 883.1#

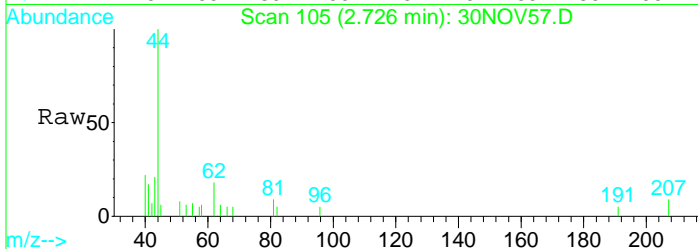


Abundance Ion 137.00 (136.50 to 137.50):
 Ion 99.00 (98.50 to 99.50): 30

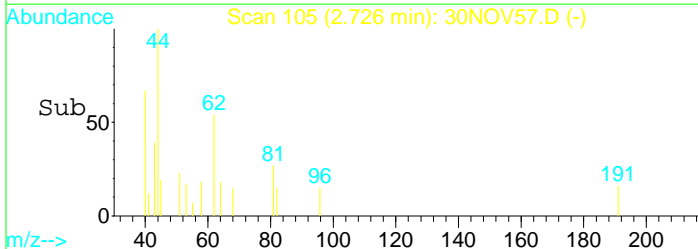
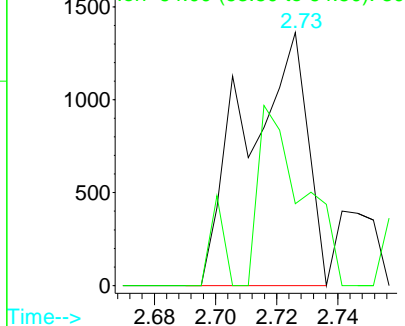


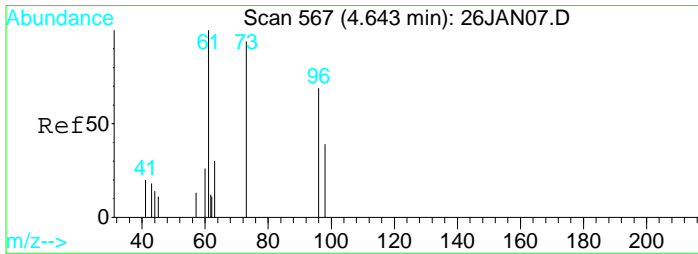
#5
 Vinyl chloride
 Concen: 0.08 ug/L
 RT: 2.73 min Scan# 105
 Delta R.T. 0.01 min
 Lab File: 30NOV57.D
 Acq: 1 Dec 2023 4:43 am

Tgt Ion: 62 Resp: 1902
 Ion Ratio Lower Upper
 62 100
 64 51.5 21.7 40.3#



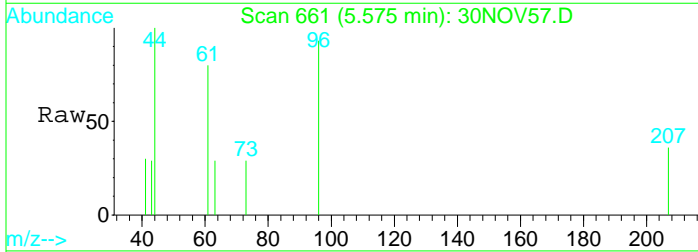
Abundance Ion 62.00 (61.50 to 62.50): 30
 Ion 64.00 (63.50 to 64.50): 30



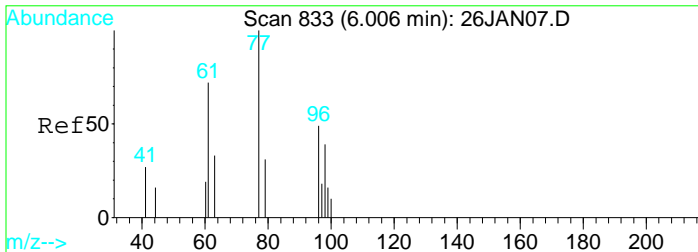
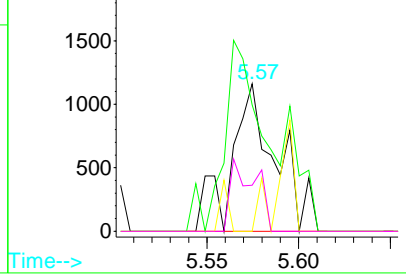
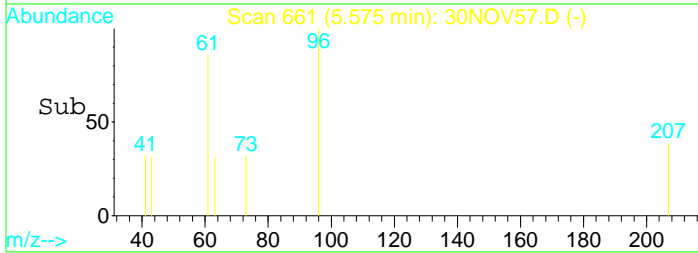


#14
 T-1,2-dichloroethene
 Concen: 0.12 ug/L
 RT: 5.57 min Scan# 661
 Delta R.T. 0.01 min
 Lab File: 30NOV57.D
 Acq: 1 Dec 2023 4:43 am

Tgt Ion	Resp	Lower	Upper
96	1998		
96	100		
61	137.4	108.6	201.8
98	6.2	45.6	84.8#
63	27.2	33.7	62.5#

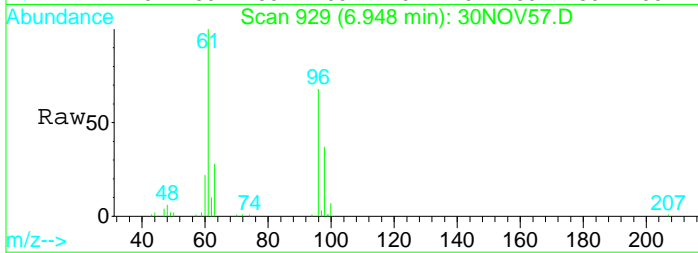


Abundance	Ion	Time Range	Response
~1500	96.00	95.50 to 96.50	30
~1000	61.00	60.50 to 61.50	30
~1000	98.00	97.50 to 98.50	30
~1000	63.00	62.50 to 63.50	30

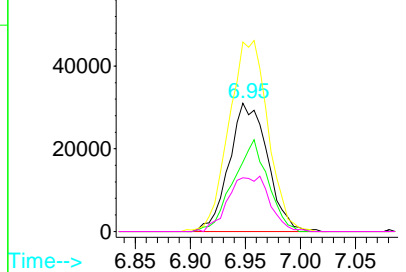
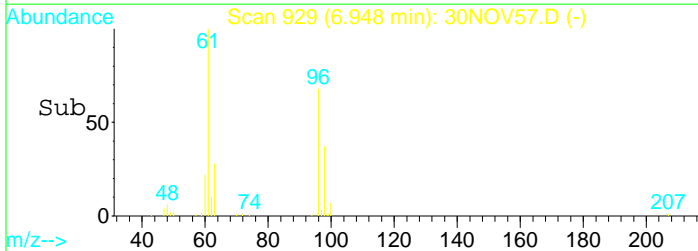


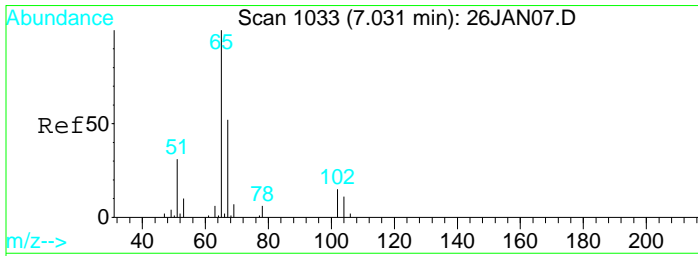
#17
 Cis-1,2-dichloroethene
 Concen: 4.36 ug/L
 RT: 6.95 min Scan# 929
 Delta R.T. 0.00 min
 Lab File: 30NOV57.D
 Acq: 1 Dec 2023 4:43 am

Tgt Ion	Resp	Lower	Upper
96	75178		
96	100		
98	64.3	45.6	84.6
61	151.2	111.2	206.4
63	46.3	35.4	65.8



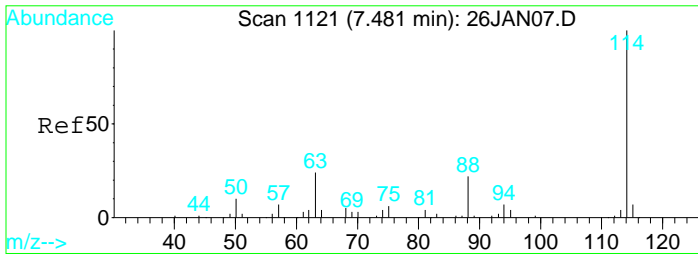
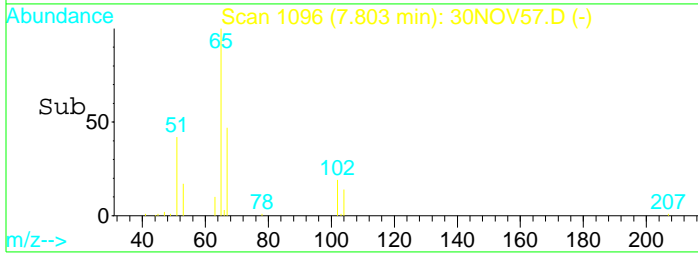
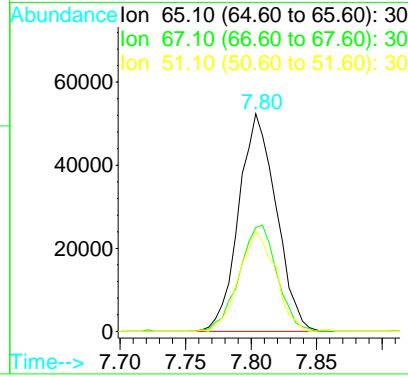
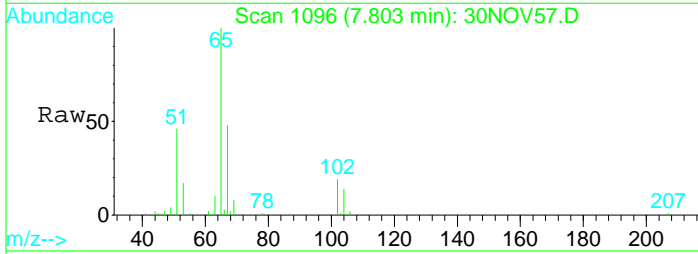
Abundance	Ion	Time Range	Response
~45000	96.00	95.50 to 96.50	30
~30000	98.00	97.50 to 98.50	30
~30000	61.00	60.50 to 61.50	30
~30000	63.00	62.50 to 63.50	30





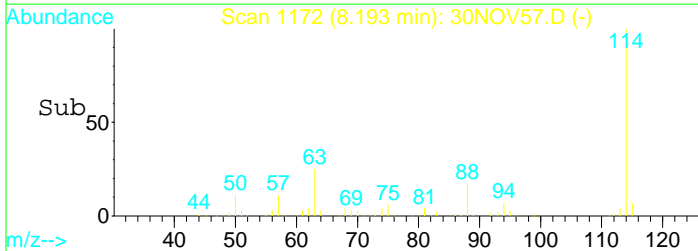
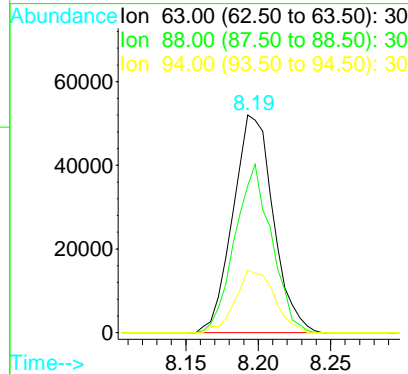
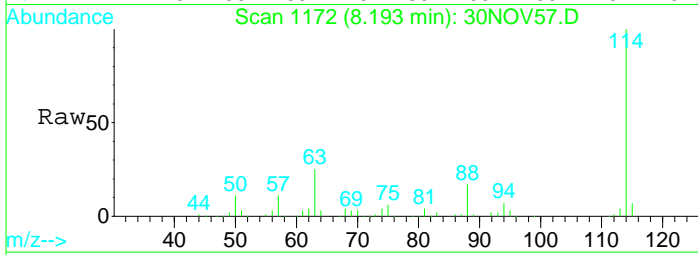
#23
 1,2-dichloroethane d4 SMC #1
 Concen: N.D. ug/L
 RT: 7.80 min Scan# 1096
 Delta R.T. 0.00 min
 Lab File: 30NOV57.D
 Acq: 1 Dec 2023 4:43 am

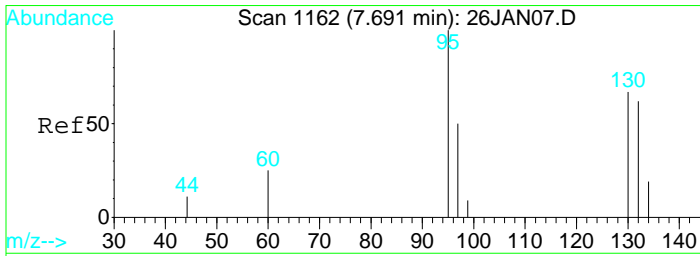
Tgt Ion	Resp	Lower	Upper
65	104392		
67	49.3	35.2	65.4
51	44.8	119.7	222.3#



#26
 1,4-Difluorobenzene IS#2
 Concen: 10.00 ug/L
 RT: 8.19 min Scan# 1172
 Delta R.T. -0.01 min
 Lab File: 30NOV57.D
 Acq: 1 Dec 2023 4:43 am

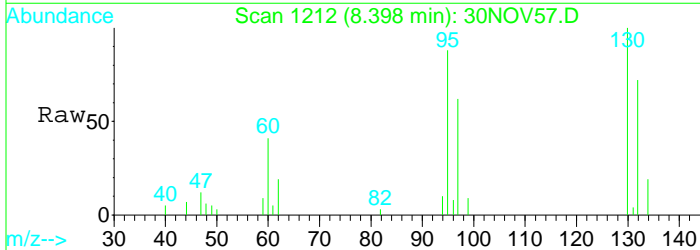
Tgt Ion	Resp	Lower	Upper
63	100678		
88	70.5	54.5	101.1
94	27.8	19.7	36.7



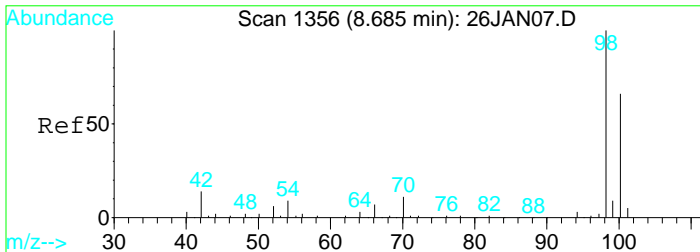
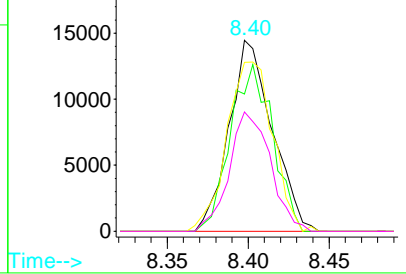
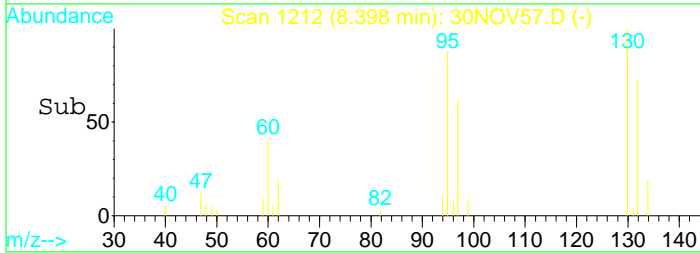


#27
 Trichloroethene
 Concen: 1.63 ug/L
 RT: 8.40 min Scan# 1212
 Delta R.T. 0.00 min
 Lab File: 30NOV57.D
 Acq: 1 Dec 2023 4:43 am

Tgt Ion	Resp	Lower	Upper
130	100		
132	85.7	66.7	123.9
95	94.7	69.4	129.0
97	59.6	45.8	85.2

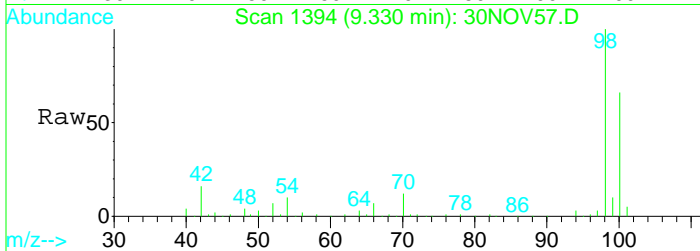


Abundance
 Ion 129.90 (129.40 to 130.40):
 Ion 131.90 (131.40 to 132.40):
 Ion 95.00 (94.50 to 95.50): 30
 Ion 97.00 (96.50 to 97.50): 30

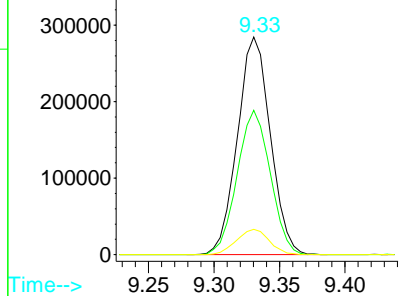
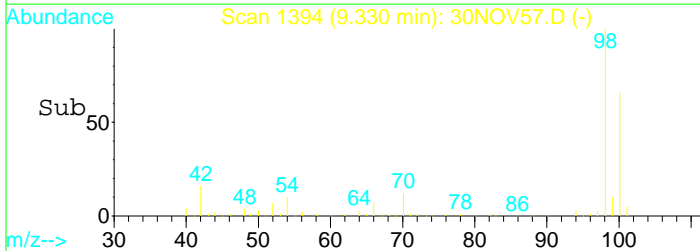


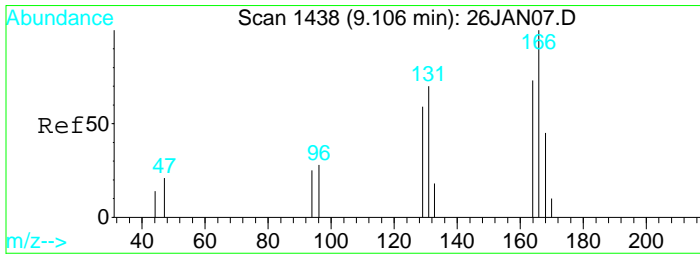
#33
 Toluene d8 SMC#2
 Concen: N.D. ug/L
 RT: 9.33 min Scan# 1394
 Delta R.T. 0.00 min
 Lab File: 30NOV57.D
 Acq: 1 Dec 2023 4:43 am

Tgt Ion	Resp	Lower	Upper
98	100		
100	66.5	47.5	88.1
70	11.6	8.1	15.1



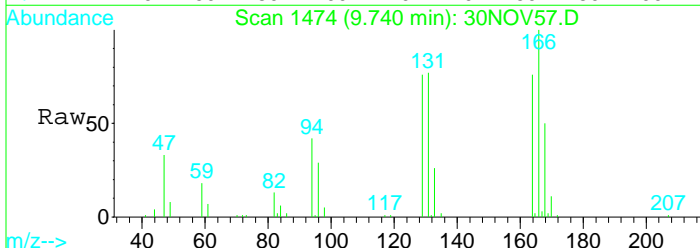
Abundance
 Ion 98.10 (97.60 to 98.60): 30
 Ion 100.10 (99.60 to 100.60): 3
 Ion 70.10 (69.60 to 70.60): 30



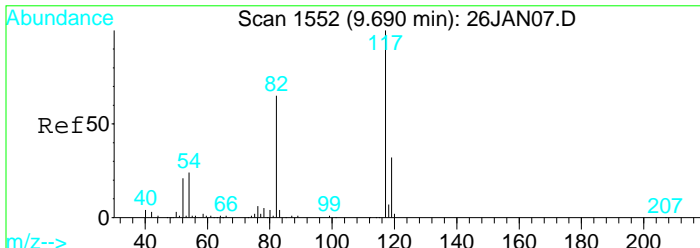
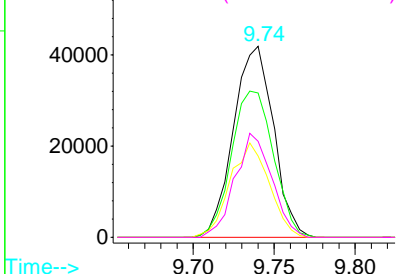
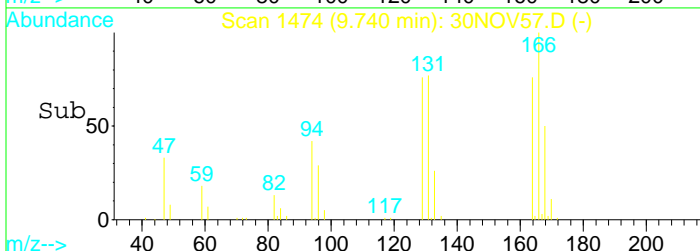


#37
 Tetrachloroethene (PCE)
 Concen: 4.71 ug/L
 RT: 9.74 min Scan# 1474
 Delta R.T. 0.01 min
 Lab File: 30NOV57.D
 Acq: 1 Dec 2023 4:43 am

Tgt Ion	Resp	Lower	Upper
166	100		
129	80.3	55.6	103.4
94	48.1	32.4	60.2
168	49.9	33.4	62.0

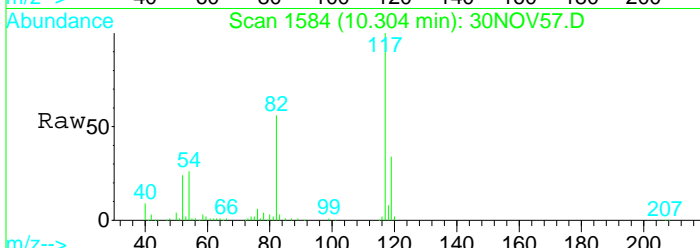


Abundance	Ion	Time Range
60000	165.90	(165.40 to 166.40)
30000	128.90	(128.40 to 129.40)
30000	94.00	(93.50 to 94.50)
30000	167.90	(167.40 to 168.40)

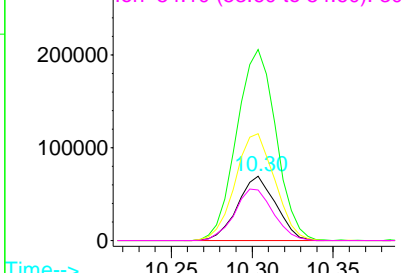
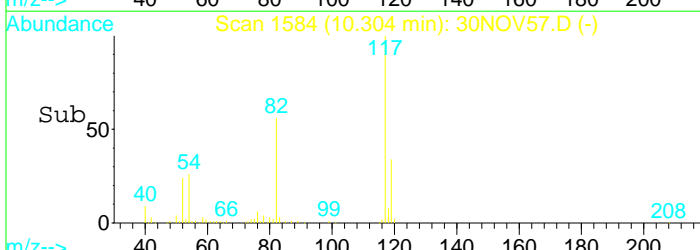


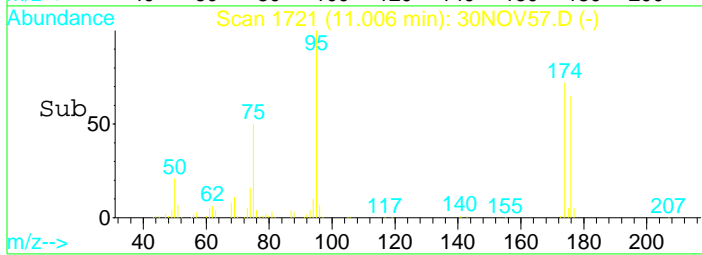
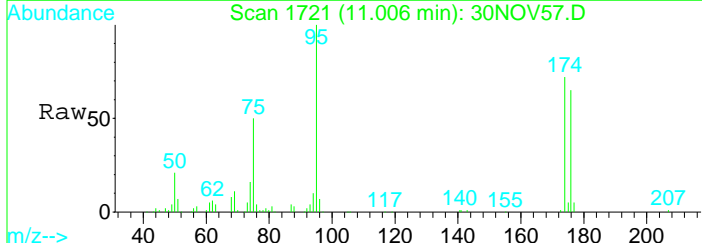
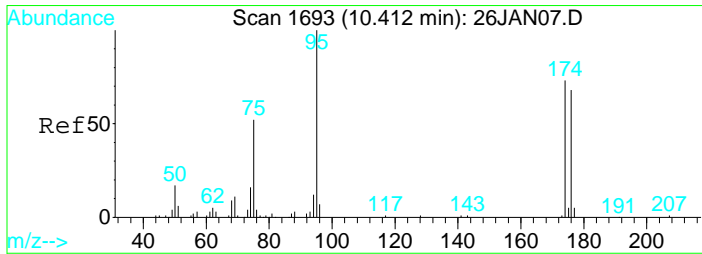
#41
 Chlorobenzene d5 IS#3
 Concen: 10.00 ug/L
 RT: 10.30 min Scan# 1584
 Delta R.T. 0.00 min
 Lab File: 30NOV57.D
 Acq: 1 Dec 2023 4:43 am

Tgt Ion	Resp	Lower	Upper
119	100		
117	305.7	215.3	399.8
82	172.7	121.5	225.7
54	80.9	52.1	96.9



Abundance	Ion	Time Range
300000	119.00	(118.50 to 119.50)
300000	117.00	(116.50 to 117.50)
300000	82.10	(81.60 to 82.60)
300000	54.10	(53.60 to 54.60)

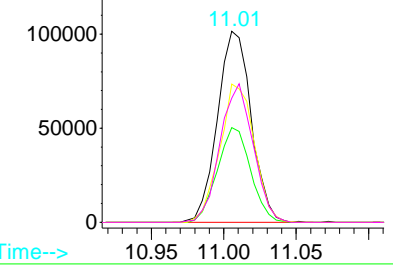




#51
 Bromofluorobenzene SMC#3
 Concen: N.D. ug/L
 RT: 11.01 min Scan# 1721
 Delta R.T. 0.00 min
 Lab File: 30NOV57.D
 Acq: 1 Dec 2023 4:43 am

Tgt Ion	Resp	Lower	Upper
95	164510		
75	48.7	32.5	60.3
174	73.7	50.4	93.6
176	71.1	49.4	91.8

Abundance Ion 95.00 (94.50 to 95.50): 30
 Ion 75.00 (74.50 to 75.50): 30
 Ion 173.90 (173.40 to 174.40):
 Ion 175.90 (175.40 to 176.40):



Data File : D:\DATA\NOV2023C\NOV30\30NOV57.D
 Acq On : 1 Dec 2023 4:43 am
 Sample : 2322252-08
 Misc : 1 ;25ML;pH<2

Vial: 57
 Operator: MGC
 Inst : MS-V5
 Multiplr: 1.00

MS Integration Params: rteint.p
 Quant Time: Dec 1 11:39 2023

Quant Results File: 82605CX.RES

Quant Method : C:\HPCHEM\1...\82605CX.M (RTE Integrator)
 Title : EPA Method 8260C/DX
 Last Update : Fri Dec 01 08:39:53 2023
 Response via : Initial Calibration
 DataAcq Meth : 82605

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene IS#1	7.50	137	50230	10.00	ug/L	0.00
29) 1,4-Difluorobenzene IS#2	8.19	63	100678	10.00	ug/L	0.00
36) Chlorobenzene d5 IS#3	10.30	119	113475	10.00	ug/L	0.00
Target Compounds						Qvalue
9) tert-butyl alcohol (TBA)	5.30	59	14403	31.12	ug/L	100

Data File : D:\DATA\NOV2023C\NOV30\30NOV57.D

Vial: 57

Acq On : 1 Dec 2023 4:43 am

Operator: MGC

Sample : 2322252-08

Inst : MS-V5

Misc : 1 ;25ML;pH<2

Multiplr: 1.00

MS Integration Params: rteint.p

Quant Time: Dec 1 11:39 2023

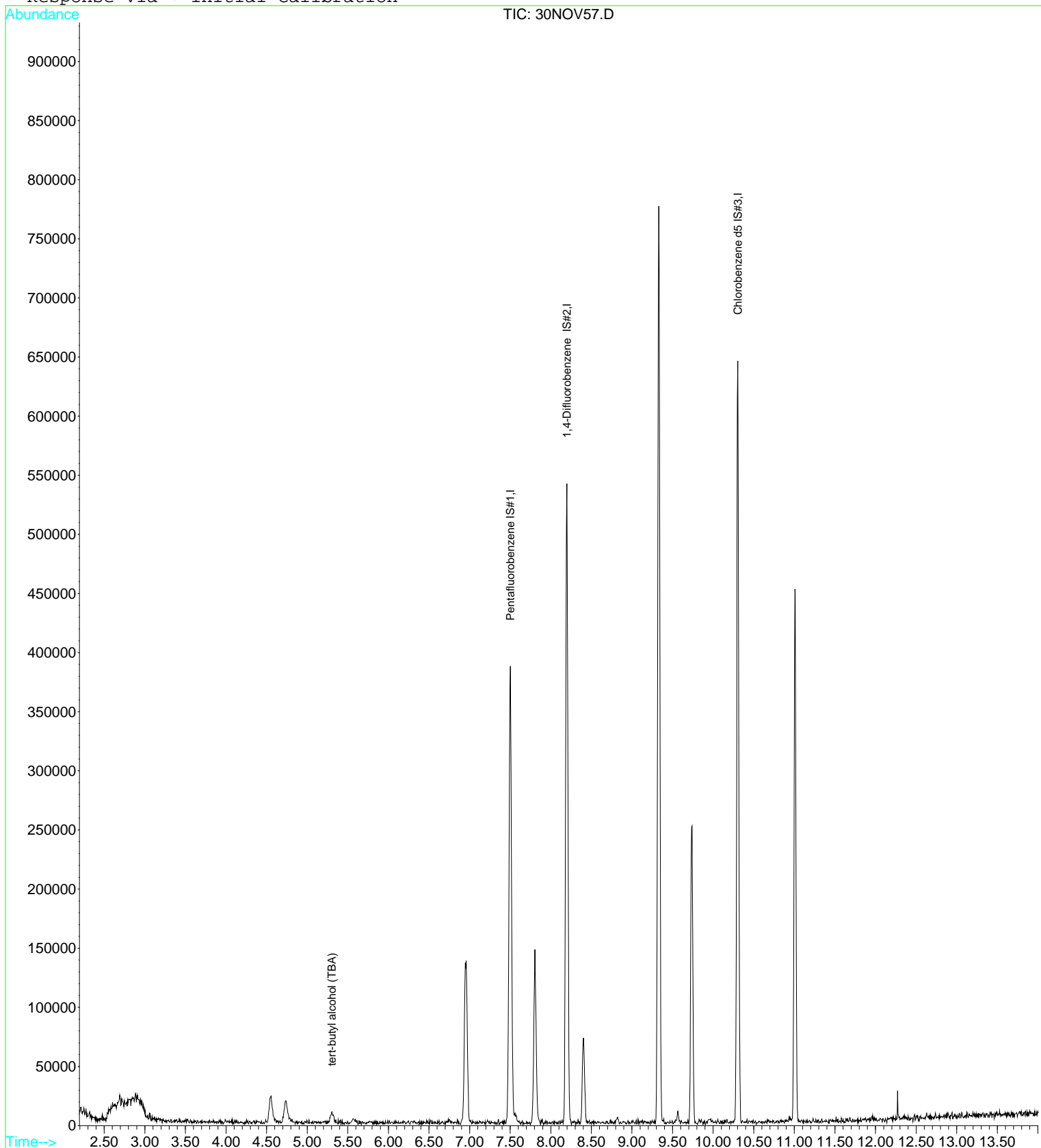
Quant Results File: 82605CX.RES

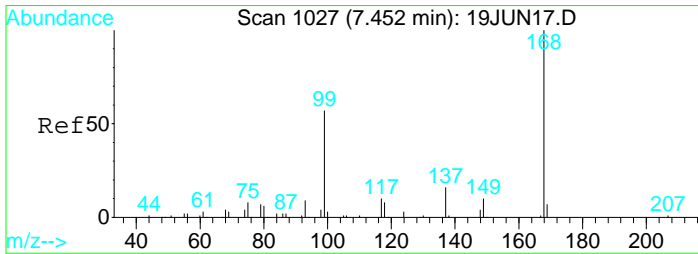
Method : C:\HPCHEM\1\METHODS\C\202311\26-1336\82605CX.M (RTE Integrator)

Title : EPA Method 8260C/DX

Last Update : Fri Dec 01 08:39:53 2023

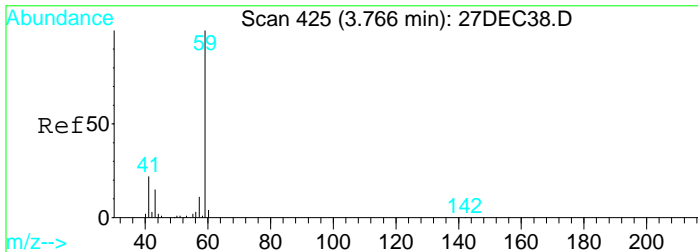
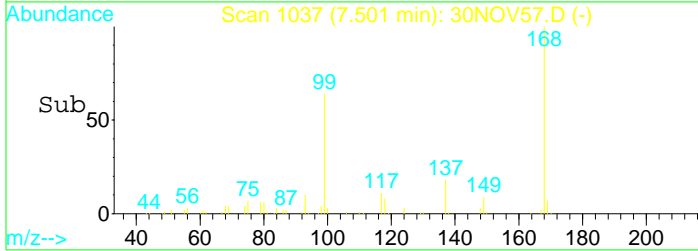
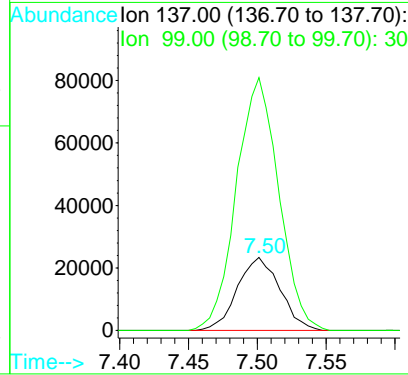
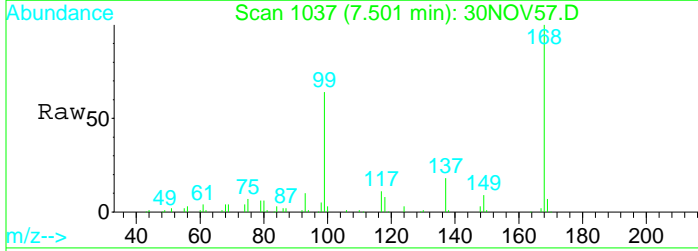
Response via : Initial Calibration





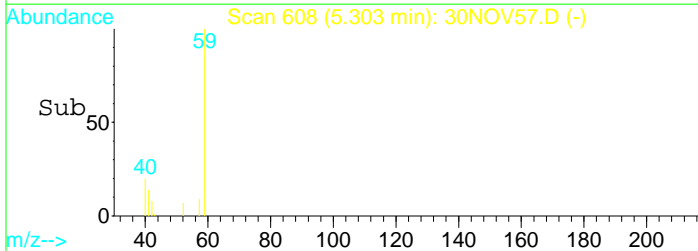
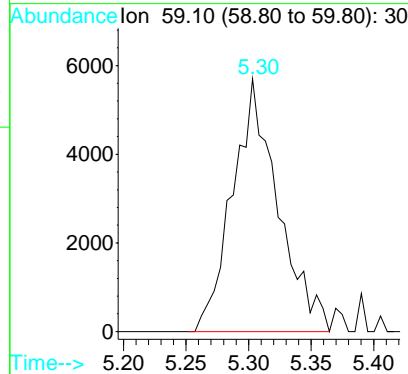
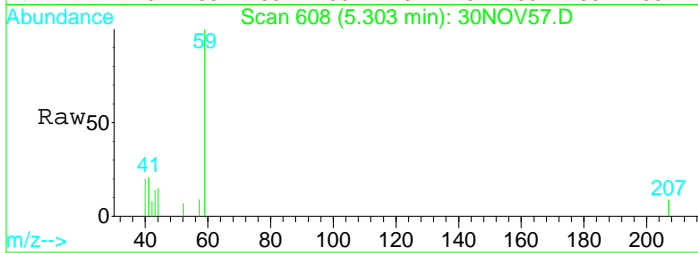
#1
 Pentafluorobenzene IS#1
 Concen: 10.00 ug/L
 RT: 7.50 min Scan# 1037
 Delta R.T. 0.00 min
 Lab File: 30NOV57.D
 Acq: 1 Dec 2023 4:43 am

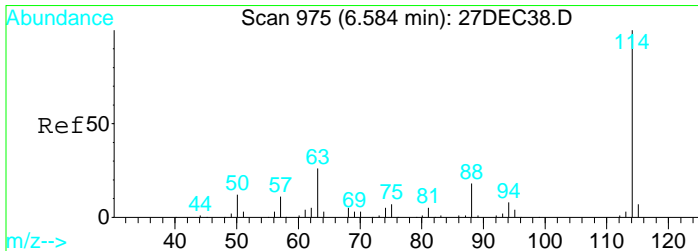
Tgt Ion:137 Resp: 50230
 Ion Ratio Lower Upper
 137 100
 99 345.3 235.9 438.1



#9
 tert-butyl alcohol (TBA)
 Concen: 31.12 ug/L
 RT: 5.30 min Scan# 608
 Delta R.T. -0.01 min
 Lab File: 30NOV57.D
 Acq: 1 Dec 2023 4:43 am

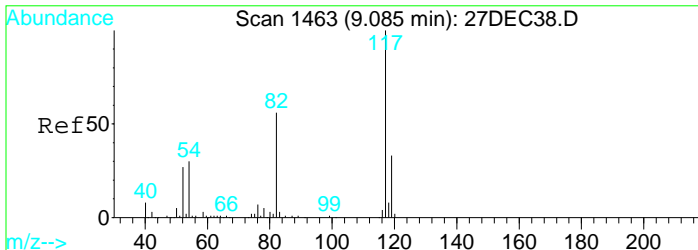
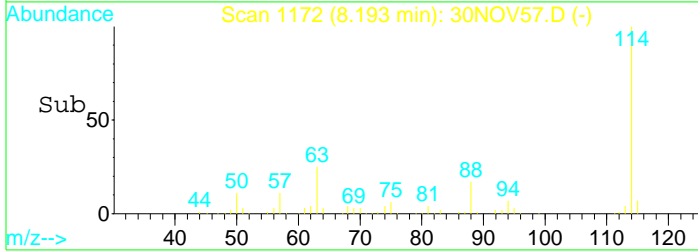
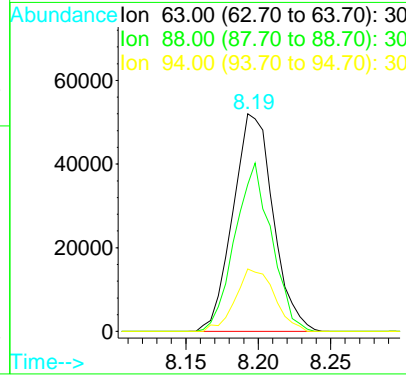
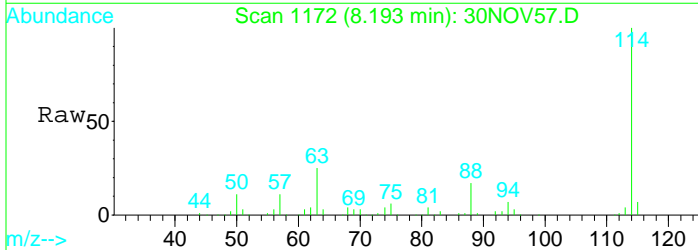
Tgt Ion: 59 Resp: 14403





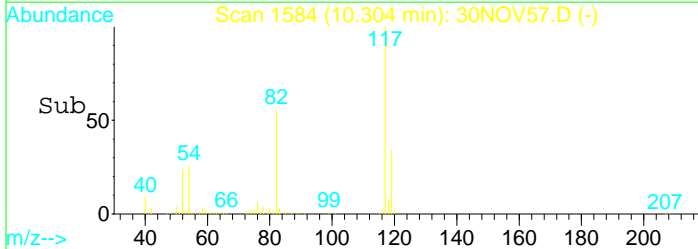
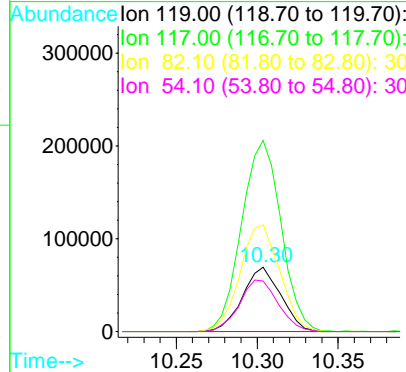
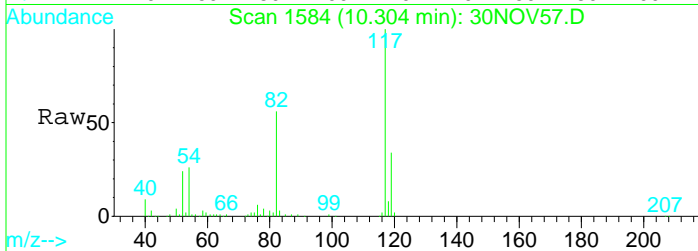
#29
 1,4-Difluorobenzene IS#2
 Concen: 10.00 ug/L
 RT: 8.19 min Scan# 1172
 Delta R.T. -0.01 min
 Lab File: 30NOV57.D
 Acq: 1 Dec 2023 4:43 am

Tgt Ion	Resp	Lower	Upper
63	100		
88	70.5	51.3	95.3
94	27.8	19.7	36.5



#36
 Chlorobenzene d5 IS#3
 Concen: 10.00 ug/L
 RT: 10.30 min Scan# 1584
 Delta R.T. -0.00 min
 Lab File: 30NOV57.D
 Acq: 1 Dec 2023 4:43 am

Tgt Ion	Resp	Lower	Upper
119	100		
117	305.7	215.3	399.9
82	172.7	119.8	222.4
54	80.9	50.5	93.9



Data File : D:\DATA\NOV2023C\NOV30\30NOV58.D
 Acq On : 1 Dec 2023 5:07 am
 Sample : 2322252-09
 Misc : 1 ;25ML;pH<2

Vial: 58
 Operator: MGC
 Inst : MS-V5
 Multiplr: 1.00

MS Integration Params: rteint.p
 Quant Time: Dec 1 11:39 2023

Quant Results File: 82605C.RES

Quant Method : C:\HPCHEM\1...\82605C.M (RTE Integrator)
 Title : EPA Method 8260C/D
 Last Update : Thu Nov 30 12:10:48 2023
 Response via : Initial Calibration
 DataAcq Meth : 82605

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene IS#1	7.50	137	51827	10.00	ug/L	0.00
26) 1,4-Difluorobenzene IS#2	8.20	63	103871	10.00	ug/L	0.00
41) Chlorobenzene d5 IS#3	10.30	119	120701	10.00	ug/L	0.00

System Monitoring Compounds

23) 1,2-dichloroethane d4 SMC	7.80	65	109480	10.71	ug/L	0.00
Spiked Amount	10.000	Range	75 - 125	Recovery	=	107.10%
33) Toluene d8 SMC#2	9.33	98	529980	9.93	ug/L	0.00
Spiked Amount	10.000	Range	80 - 120	Recovery	=	99.30%
51) Bromofluorobenzene SMC#3	11.01	95	177391	10.21	ug/L	0.00
Spiked Amount	10.000	Range	80 - 120	Recovery	=	102.10%

Target Compounds

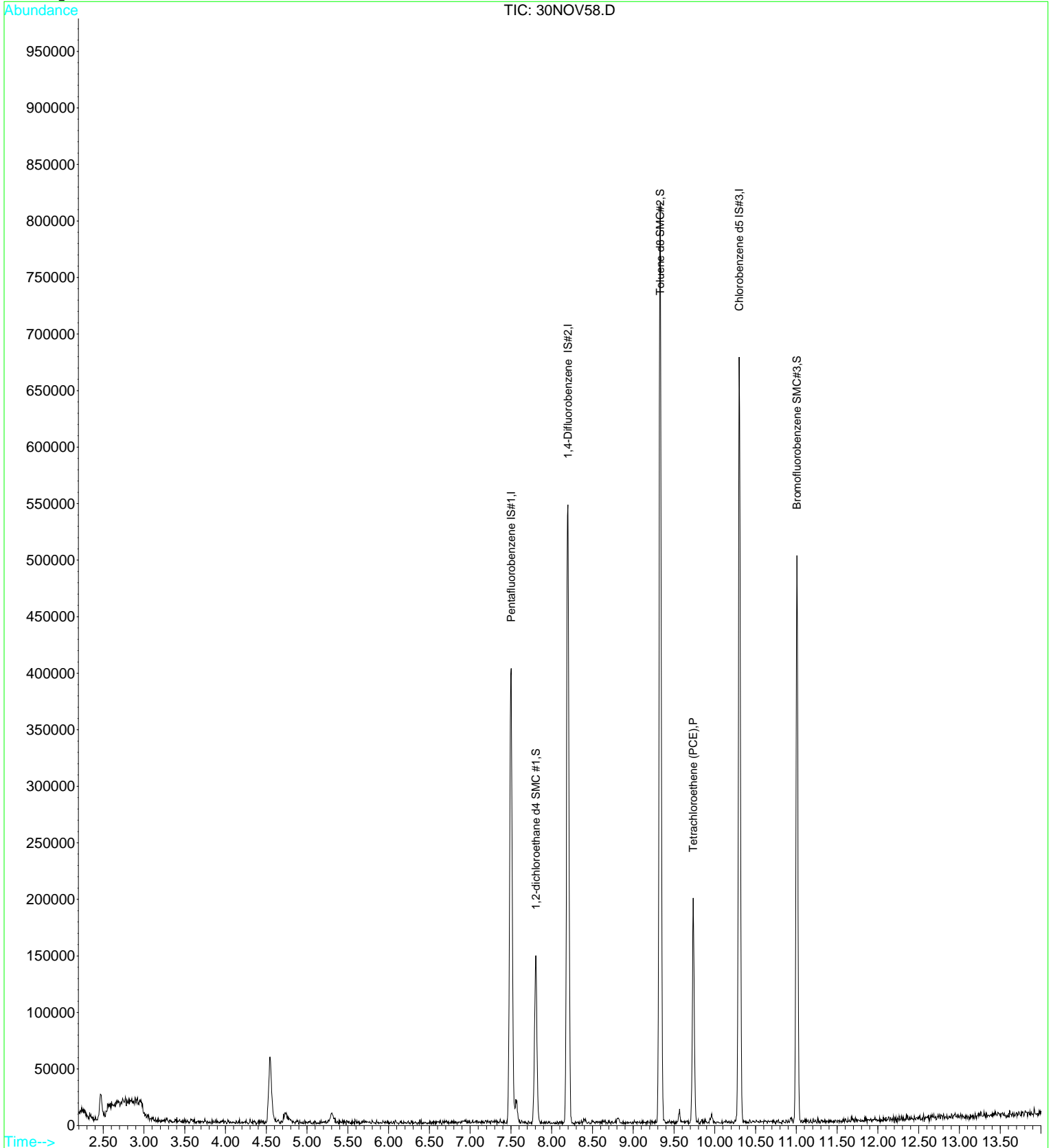
37) Tetrachloroethene (PCE)	9.74	166	52216	3.31	ug/L	Qvalue 99
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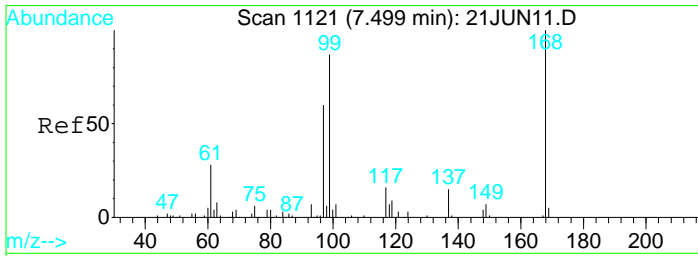
Data File : D:\DATA\NOV2023C\NOV30\30NOV58.D
Acq On : 1 Dec 2023 5:07 am
Sample : 2322252-09
Misc : 1 ;25ML;pH<2
MS Integration Params: rteint.p
Quant Time: Dec 1 11:39 2023

Vial: 58
Operator: MGC
Inst : MS-V5
Multiplr: 1.00

Quant Results File: 82605C.RES

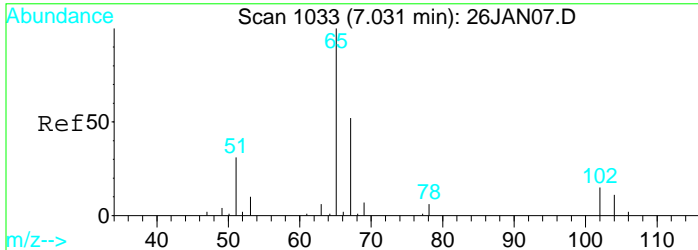
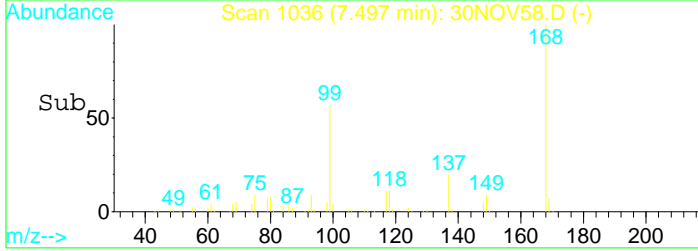
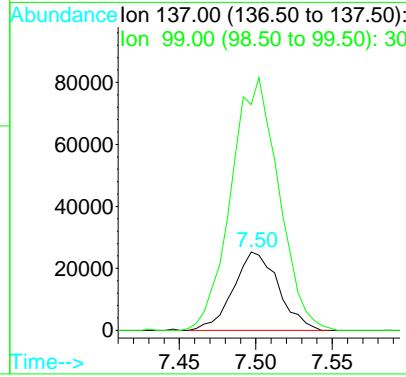
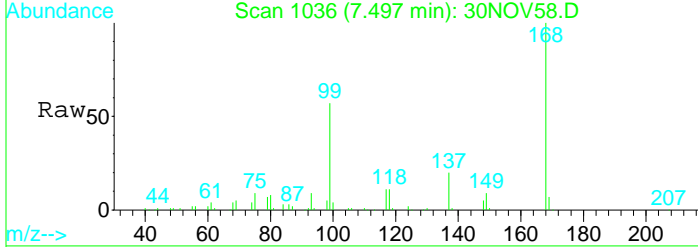
Method : C:\HPCHEM\1\METHODS\C\202311\26-0912\82605C.M (RTE Integrator)
Title : EPA Method 8260C/D
Last Update : Thu Nov 30 12:10:48 2023
Response via : Initial Calibration





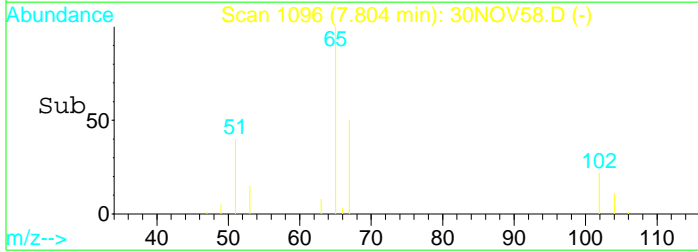
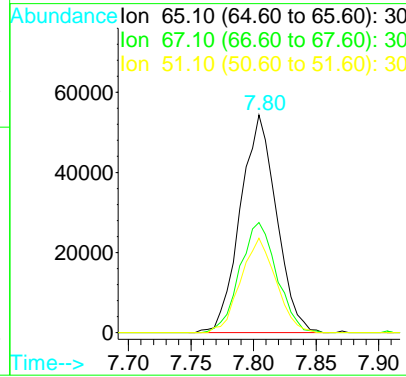
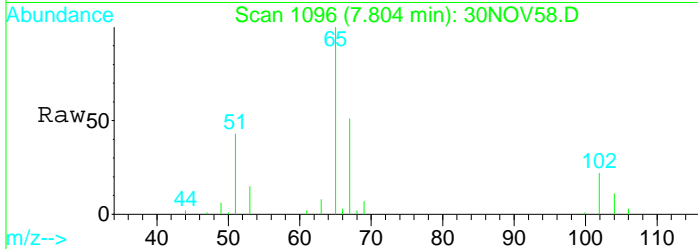
#1
 Pentafluorobenzene IS#1
 Concen: 10.00 ug/L
 RT: 7.50 min Scan# 1036
 Delta R.T. -0.00 min
 Lab File: 30NOV58.D
 Acq: 1 Dec 2023 5:07 am

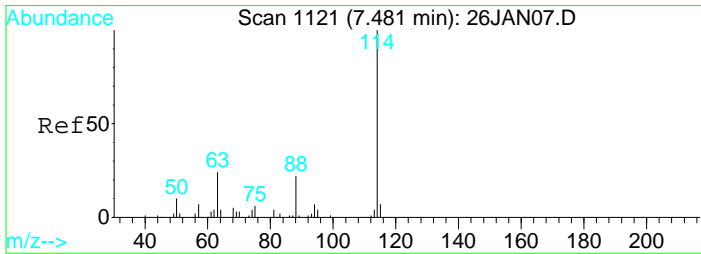
Tgt Ion	Resp	Lower	Upper
137	100		
99	341.6	475.5	883.1#



#23
 1,2-dichloroethane d4 SMC #1
 Concen: N.D. ug/L
 RT: 7.80 min Scan# 1096
 Delta R.T. 0.00 min
 Lab File: 30NOV58.D
 Acq: 1 Dec 2023 5:07 am

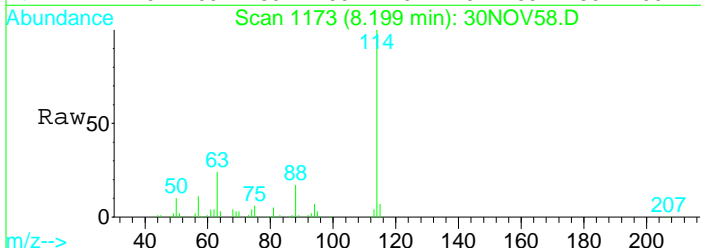
Tgt Ion	Resp	Lower	Upper
65	100		
67	51.6	35.2	65.4
51	42.3	119.7	222.3#



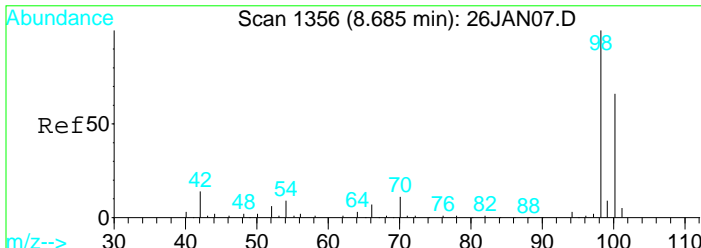
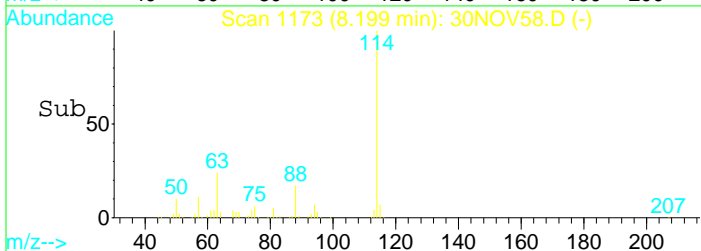
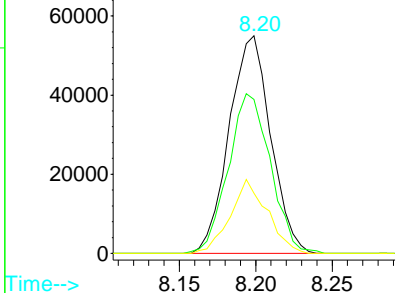


#26
 1,4-Difluorobenzene IS#2
 Concen: 10.00 ug/L
 RT: 8.20 min Scan# 1173
 Delta R.T. 0.00 min
 Lab File: 30NOV58.D
 Acq: 1 Dec 2023 5:07 am

Tgt Ion	Resp	Lower	Upper
63	103871		
88	74.4	54.5	101.1
94	30.3	19.7	36.7

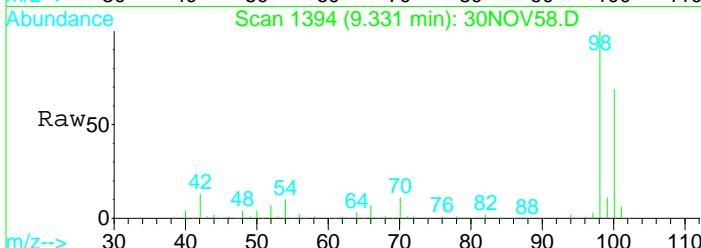


Abundance Ion 63.00 (62.50 to 63.50): 30
 Ion 88.00 (87.50 to 88.50): 30
 Ion 94.00 (93.50 to 94.50): 30

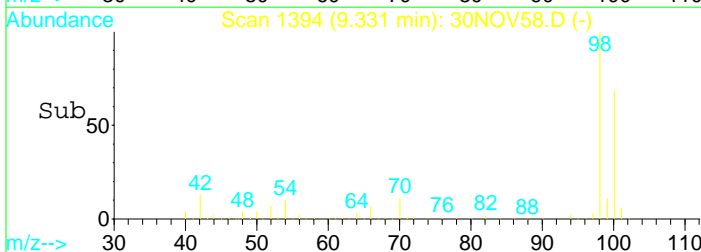
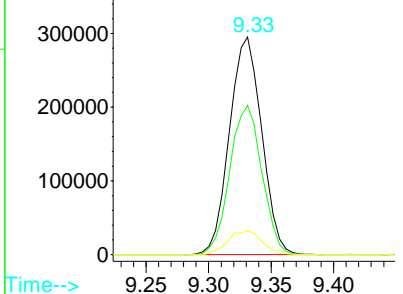


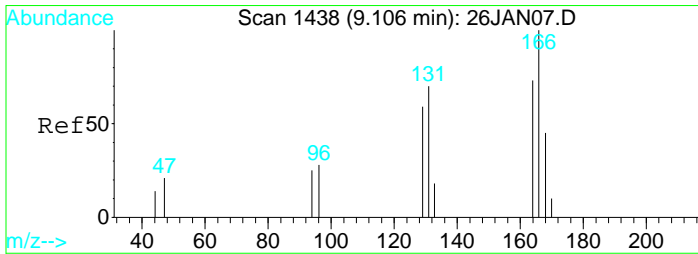
#33
 Toluene d8 SMC#2
 Concen: Below ug/L
 RT: 9.33 min Scan# 1394
 Delta R.T. 0.00 min
 Lab File: 30NOV58.D
 Acq: 1 Dec 2023 5:07 am

Tgt Ion	Resp	Lower	Upper
98	529980		
100	68.1	47.5	88.1
70	11.5	8.1	15.1



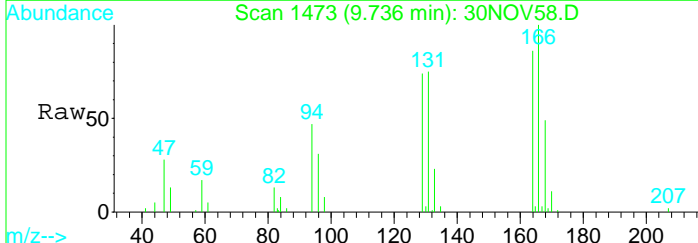
Abundance Ion 98.10 (97.60 to 98.60): 30
 Ion 100.10 (99.60 to 100.60): 30
 Ion 70.10 (69.60 to 70.60): 30



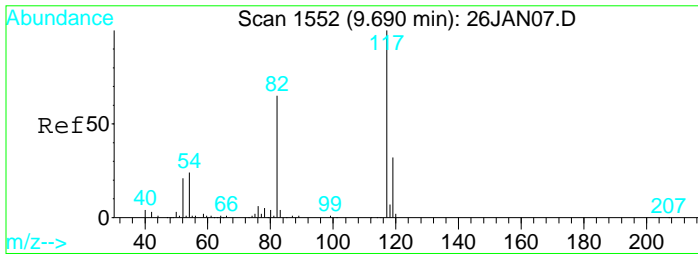
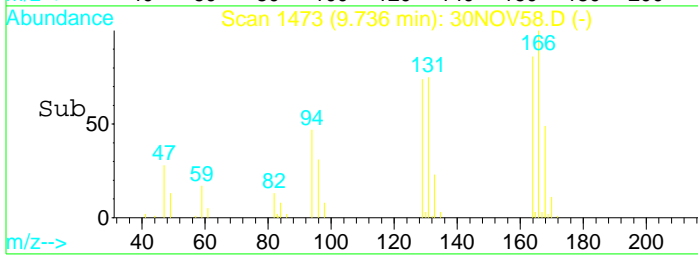
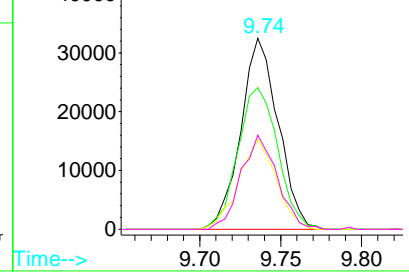


#37
 Tetrachloroethene (PCE)
 Concen: 3.31 ug/L
 RT: 9.74 min Scan# 1473
 Delta R.T. 0.00 min
 Lab File: 30NOV58.D
 Acq: 1 Dec 2023 5:07 am

Tgt Ion	Resp	Lower	Upper
166	100		
129	79.3	55.6	103.4
94	47.3	32.4	60.2
168	47.7	33.4	62.0



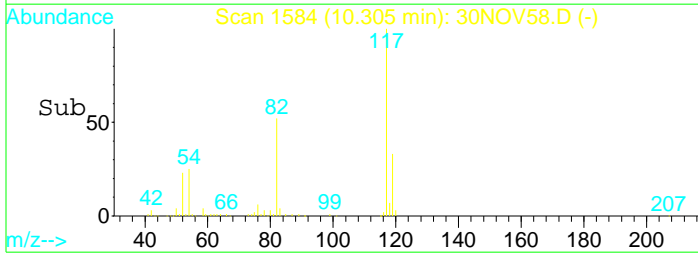
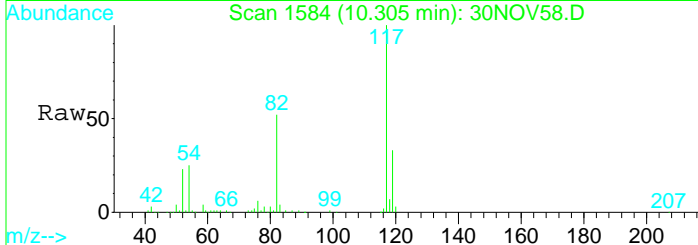
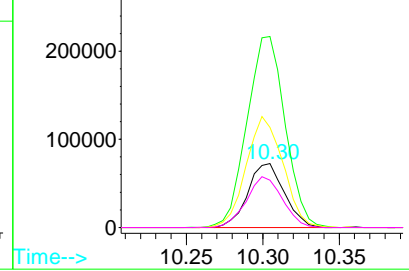
Abundance Ion 165.90 (165.40 to 166.40):
 Ion 128.90 (128.40 to 129.40):
 Ion 94.00 (93.50 to 94.50): 30
 Ion 167.90 (167.40 to 168.40):

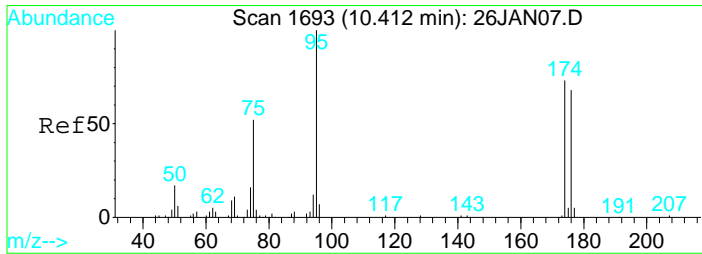


#41
 Chlorobenzene d5 IS#3
 Concen: 10.00 ug/L
 RT: 10.30 min Scan# 1584
 Delta R.T. 0.00 min
 Lab File: 30NOV58.D
 Acq: 1 Dec 2023 5:07 am

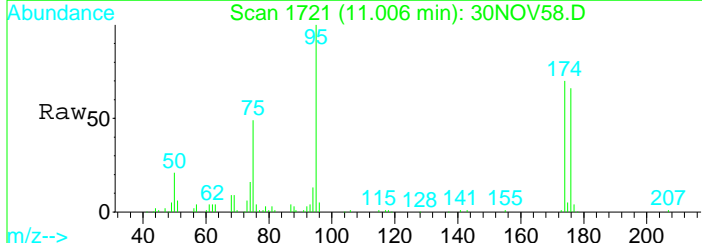
Tgt Ion	Resp	Lower	Upper
119	100		
117	310.8	215.3	399.8
82	174.2	121.5	225.7
54	78.3	52.1	96.9

Abundance Ion 119.00 (118.50 to 119.50):
 Ion 117.00 (116.50 to 117.50):
 Ion 82.10 (81.60 to 82.60): 30
 Ion 54.10 (53.60 to 54.60): 30



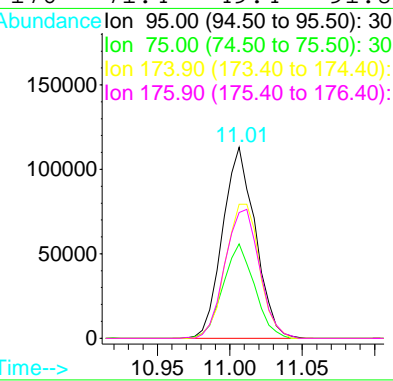
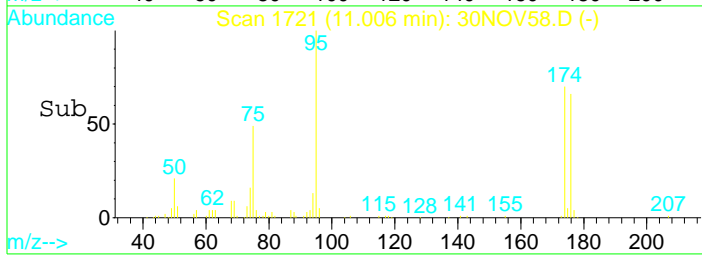


#51
 Bromofluorobenzene SMC#3
 Concen: Below ug/L
 RT: 11.01 min Scan# 1721
 Delta R.T. 0.00 min
 Lab File: 30NOV58.D
 Acq: 1 Dec 2023 5:07 am



Tgt Ion: 95 Resp: 177391

Ion	Ratio	Lower	Upper
95	100		
75	47.6	32.5	60.3
174	72.8	50.4	93.6
176	71.4	49.4	91.8



Data File : D:\DATA\NOV2023C\NOV30\30NOV58.D
 Acq On : 1 Dec 2023 5:07 am
 Sample : 2322252-09
 Misc : 1 ;25ML;pH<2

Vial: 58
 Operator: MGC
 Inst : MS-V5
 Multiplr: 1.00

MS Integration Params: rteint.p

Quant Time: Dec 1 11:40 2023

Quant Results File: 82605CX.RES

Quant Method : C:\HPCHEM\1...\82605CX.M (RTE Integrator)

Title : EPA Method 8260C/DX
 Last Update : Fri Dec 01 08:39:53 2023
 Response via : Initial Calibration
 DataAcq Meth : 82605

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene IS#1	7.50	137	51827	10.00	ug/L	0.00
29) 1,4-Difluorobenzene IS#2	8.20	63	103871	10.00	ug/L	0.00
36) Chlorobenzene d5 IS#3	10.30	119	120701	10.00	ug/L	0.00

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) acetone	4.55	43	100928	79.35	ug/L	97
9) tert-butyl alcohol (TBA)	5.30	59	15275	31.99	ug/L	100
27) Cyclohexane	7.57	56	11984	0.30	ug/L	97

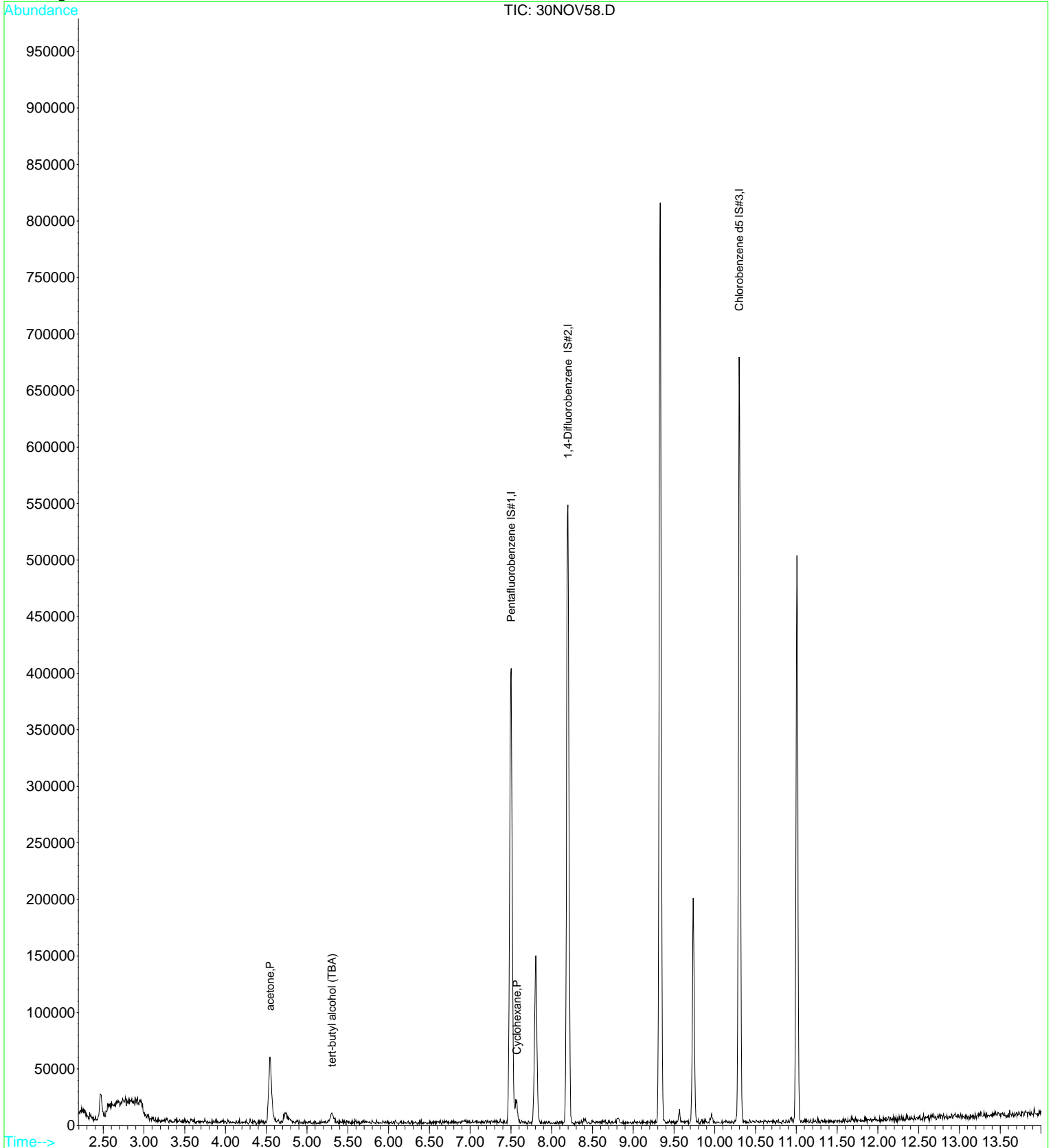
(#) = qualifier out of range (m) = manual integration

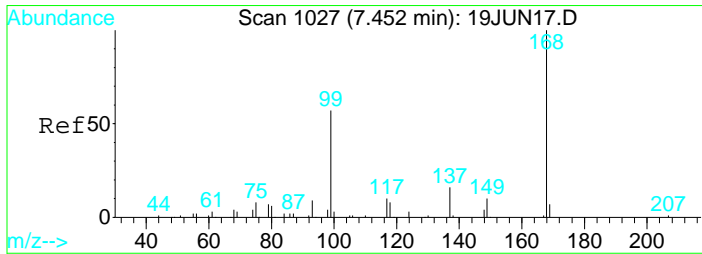
Data File : D:\DATA\NOV2023C\NOV30\30NOV58.D
Acq On : 1 Dec 2023 5:07 am
Sample : 2322252-09
Misc : 1 ;25ML;pH<2
MS Integration Params: rteint.p
Quant Time: Dec 1 11:40 2023

Vial: 58
Operator: MGC
Inst : MS-V5
Multiplr: 1.00

Quant Results File: 82605CX.RES

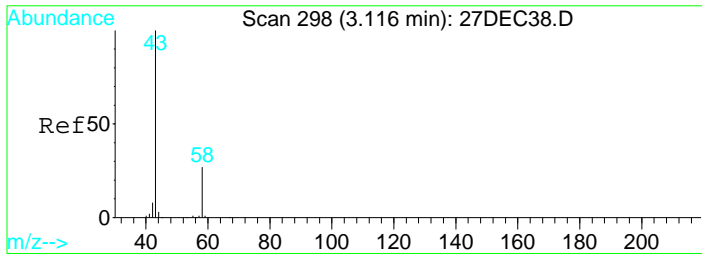
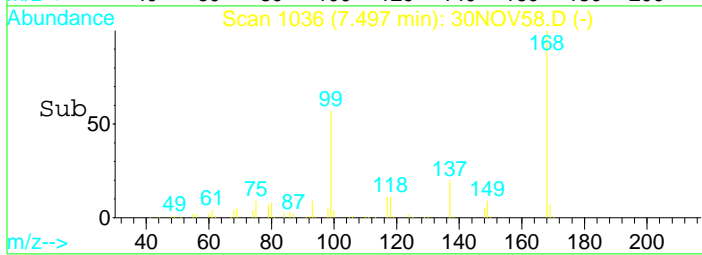
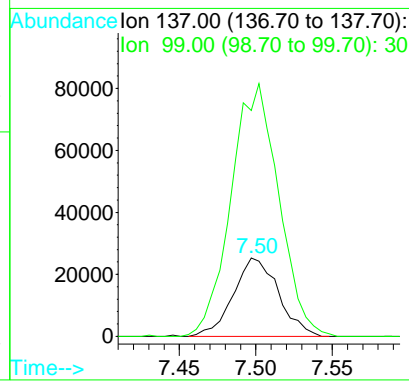
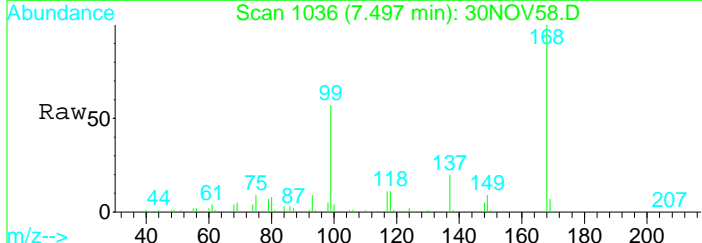
Method : C:\HPCHEM\1\METHODS\C\202311\26-1336\82605CX.M (RTE Integrator)
Title : EPA Method 8260C/DX
Last Update : Fri Dec 01 08:39:53 2023
Response via : Initial Calibration





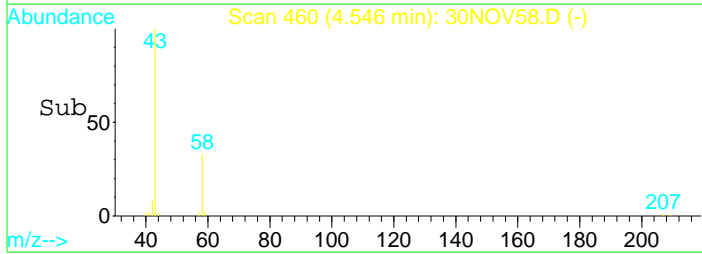
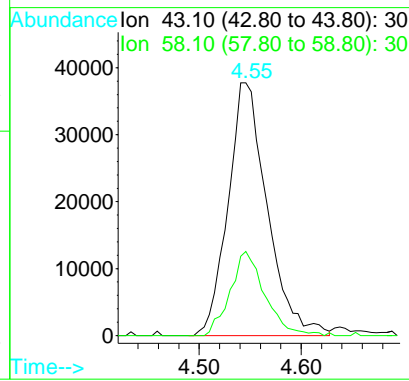
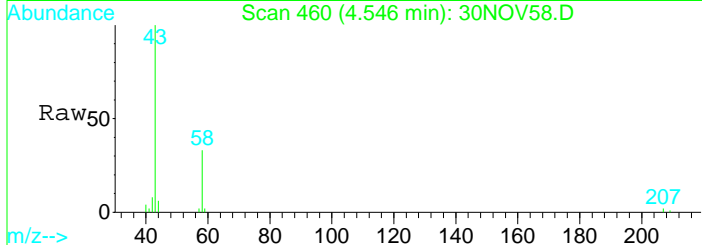
#1
 Pentafluorobenzene IS#1
 Concen: 10.00 ug/L
 RT: 7.50 min Scan# 1036
 Delta R.T. 0.00 min
 Lab File: 30NOV58.D
 Acq: 1 Dec 2023 5:07 am

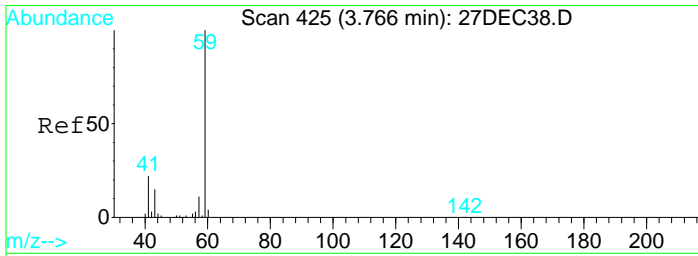
Tgt Ion	Resp	Lower	Upper
137	100		
99	341.6	235.9	438.1



#8
 acetone
 Concen: 79.35 ug/L
 RT: 4.55 min Scan# 460
 Delta R.T. 0.00 min
 Lab File: 30NOV58.D
 Acq: 1 Dec 2023 5:07 am

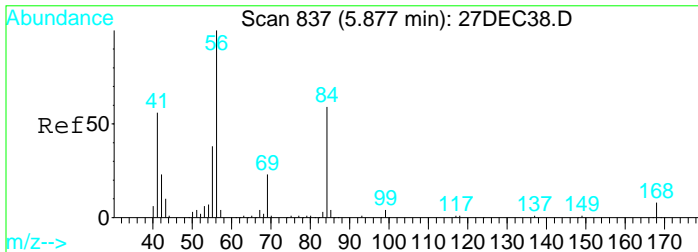
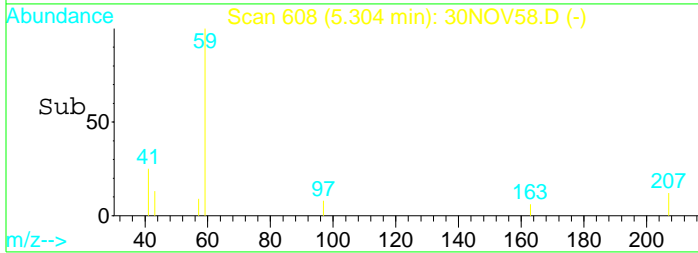
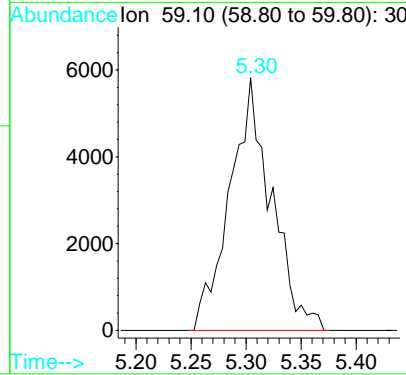
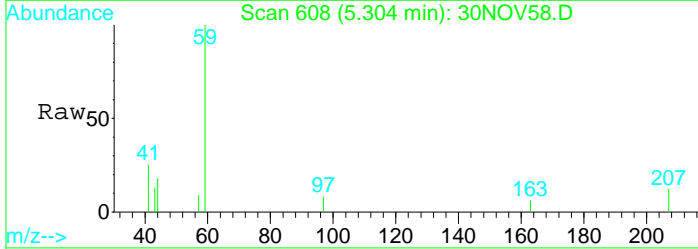
Tgt Ion	Resp	Lower	Upper
43	100		
58	29.5	21.8	40.6





#9
 tert-butyl alcohol (TBA)
 Concen: 31.99 ug/L
 RT: 5.30 min Scan# 608
 Delta R.T. -0.00 min
 Lab File: 30NOV58.D
 Acq: 1 Dec 2023 5:07 am

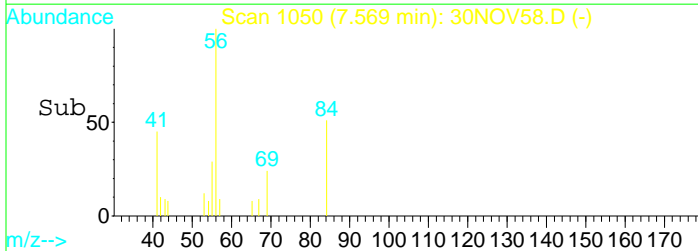
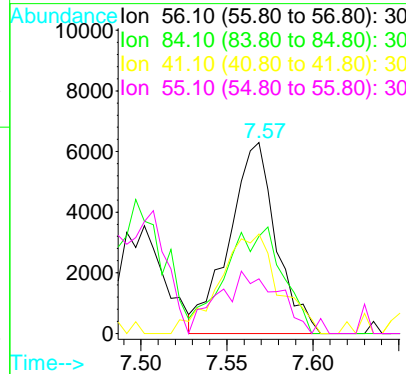
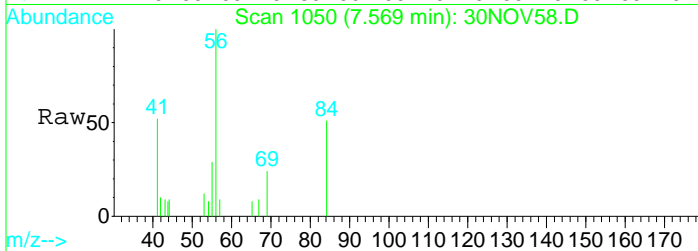
Tgt Ion: 59 Resp: 15275

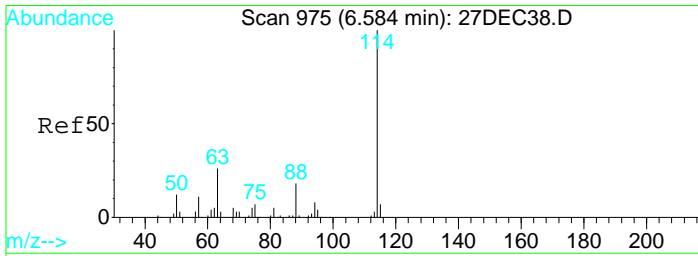


#27
 Cyclohexane
 Concen: 0.30 ug/L
 RT: 7.57 min Scan# 1050
 Delta R.T. 0.00 min
 Lab File: 30NOV58.D
 Acq: 1 Dec 2023 5:07 am

Tgt Ion: 56 Resp: 11984

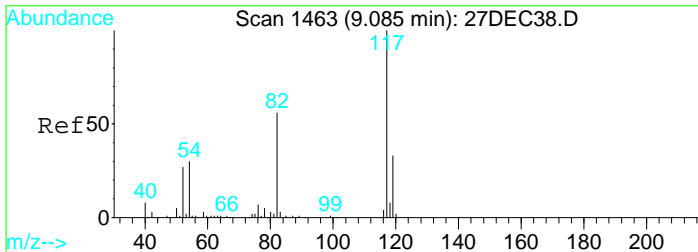
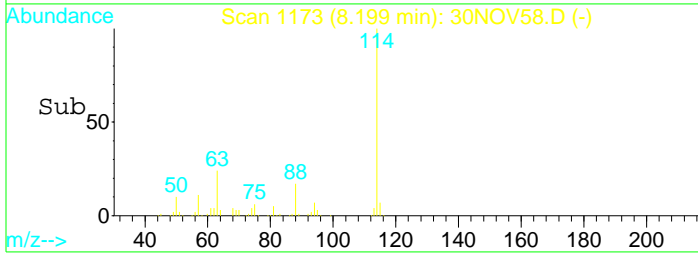
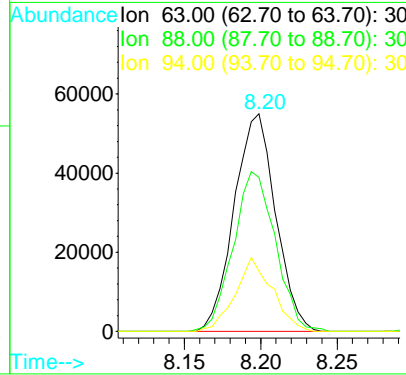
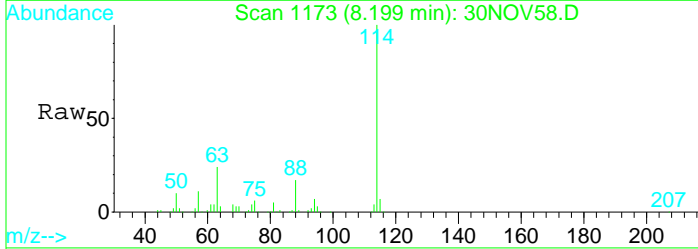
Ion	Ratio	Lower	Upper
56	100		
84	67.7	47.9	88.9
41	65.3	46.5	86.5
55	41.1	32.7	60.7





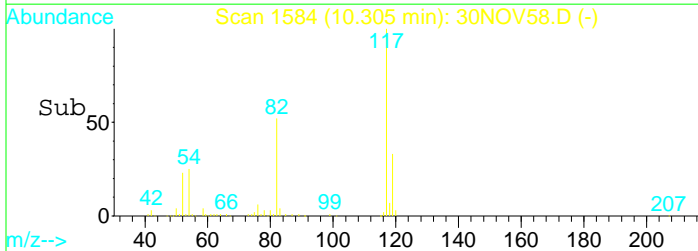
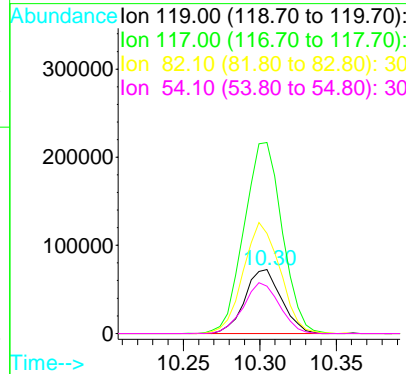
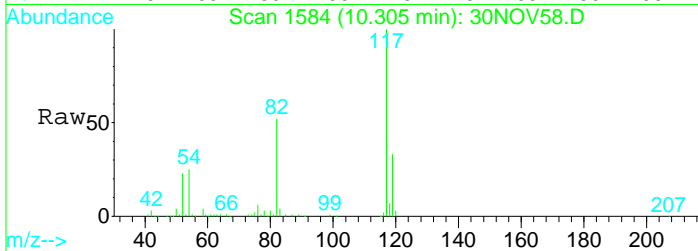
#29
 1,4-Difluorobenzene IS#2
 Concen: 10.00 ug/L
 RT: 8.20 min Scan# 1173
 Delta R.T. 0.00 min
 Lab File: 30NOV58.D
 Acq: 1 Dec 2023 5:07 am

Tgt Ion	Resp	Lower	Upper
63	103871		
88	74.4	51.3	95.3
94	30.3	19.7	36.5



#36
 Chlorobenzene d5 IS#3
 Concen: 10.00 ug/L
 RT: 10.30 min Scan# 1584
 Delta R.T. 0.00 min
 Lab File: 30NOV58.D
 Acq: 1 Dec 2023 5:07 am

Tgt Ion	Resp	Lower	Upper
119	120701		
117	310.8	215.3	399.9
82	174.2	119.8	222.4
54	78.3	50.5	93.9



Data File : D:\DATA\NOV2023C\NOV30\30NOV66.D
 Acq On : 1 Dec 2023 8:19 am
 Sample : 2322252-10
 Misc : 1 ;25ML;pH<2

Vial: 66
 Operator: MGC
 Inst : MS-V5
 Multiplr: 1.00

MS Integration Params: rteint.p

Quant Time: Dec 1 11:52 2023

Quant Results File: 82605C.RES

Quant Method : C:\HPCHEM\1...\82605C.M (RTE Integrator)

Title : EPA Method 8260C/D
 Last Update : Thu Nov 30 12:10:48 2023
 Response via : Initial Calibration
 DataAcq Meth : 82605

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene IS#1	7.50	137	51698	10.00	ug/L	0.00
26) 1,4-Difluorobenzene IS#2	8.20	63	104947	10.00	ug/L	0.00
41) Chlorobenzene d5 IS#3	10.30	119	118669	10.00	ug/L	0.00

System Monitoring Compounds

23) 1,2-dichloroethane d4 SMC	7.80	65	106520	10.45	ug/L	0.00
Spiked Amount	10.000	Range	75 - 125	Recovery	=	104.50%
33) Toluene d8 SMC#2	9.33	98	519846	9.64	ug/L	0.00
Spiked Amount	10.000	Range	80 - 120	Recovery	=	96.40%
51) Bromofluorobenzene SMC#3	11.01	95	174551	10.22	ug/L	0.00
Spiked Amount	10.000	Range	80 - 120	Recovery	=	102.20%

Target Compounds

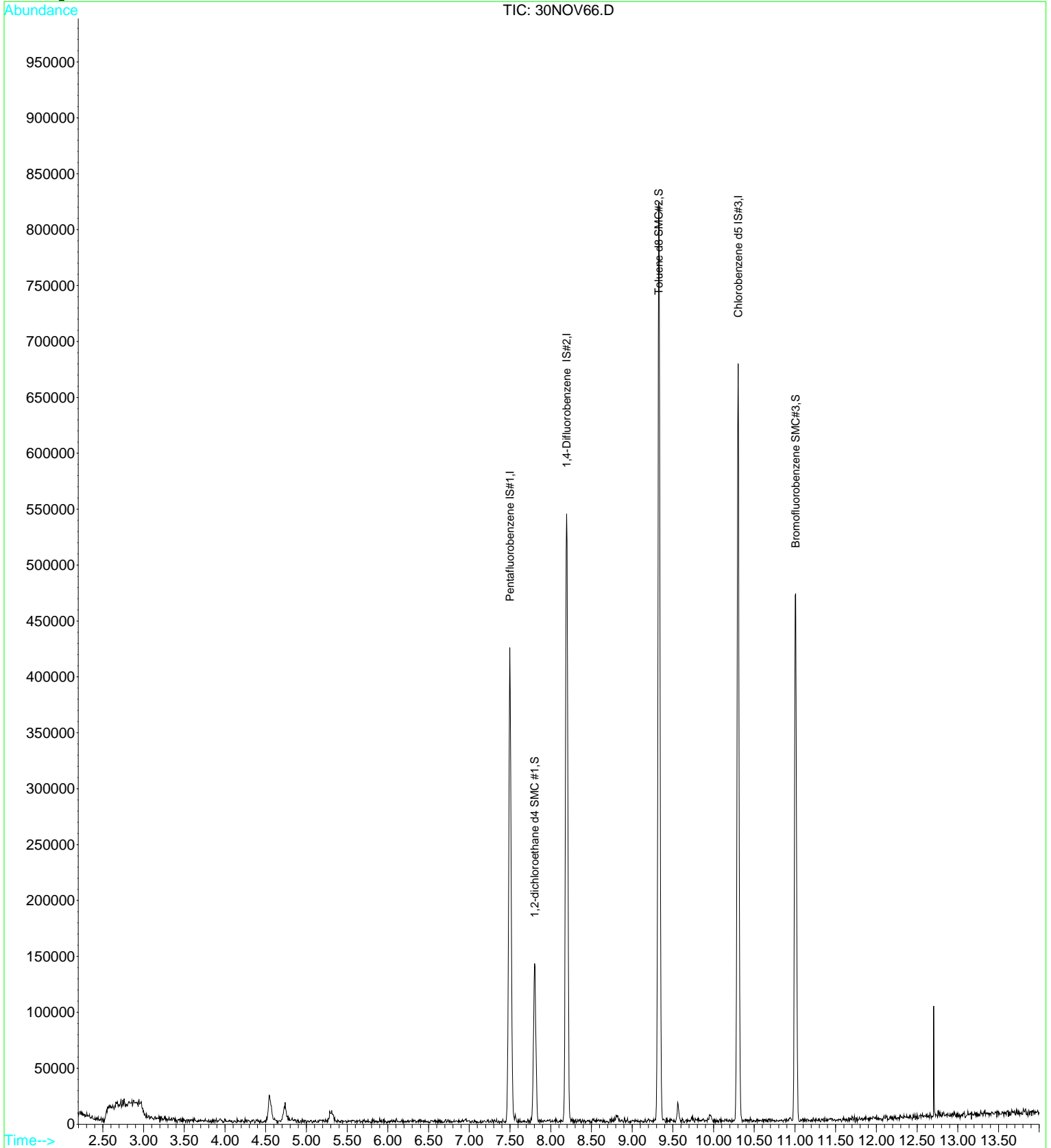
Qvalue

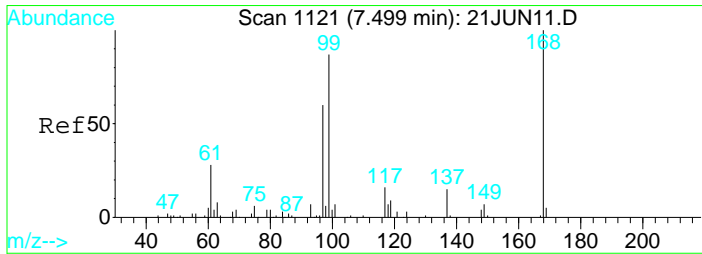
Data File : D:\DATA\NOV2023C\NOV30\30NOV66.D
Acq On : 1 Dec 2023 8:19 am
Sample : 2322252-10
Misc : 1 ;25ML;pH<2
MS Integration Params: rteint.p
Quant Time: Dec 1 11:52 2023

Vial: 66
Operator: MGC
Inst : MS-V5
Multiplr: 1.00

Quant Results File: 82605C.RES

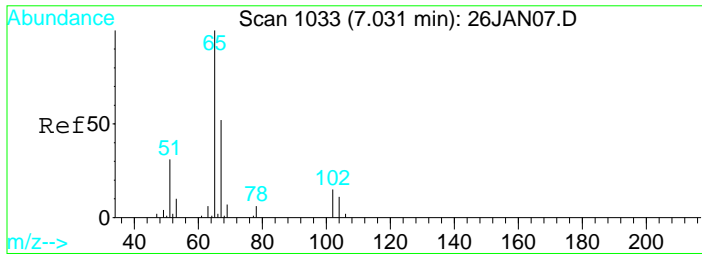
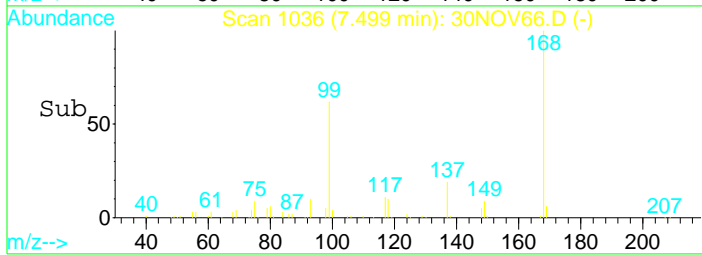
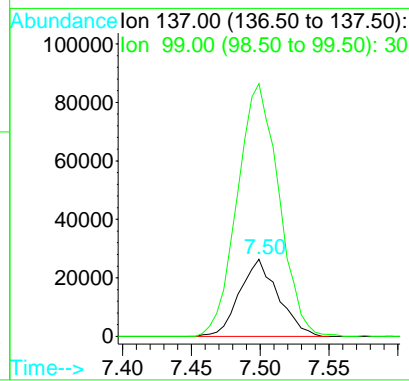
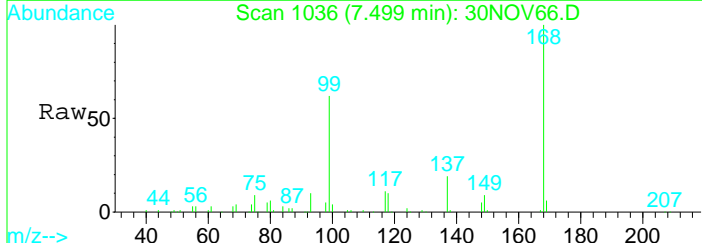
Method : C:\HPCHEM\1\METHODS\C\202311\26-0912\82605C.M (RTE Integrator)
Title : EPA Method 8260C/D
Last Update : Thu Nov 30 12:10:48 2023
Response via : Initial Calibration





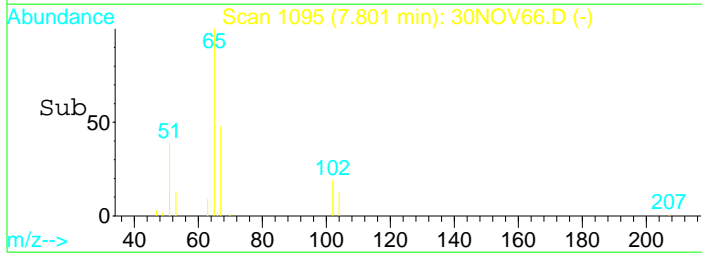
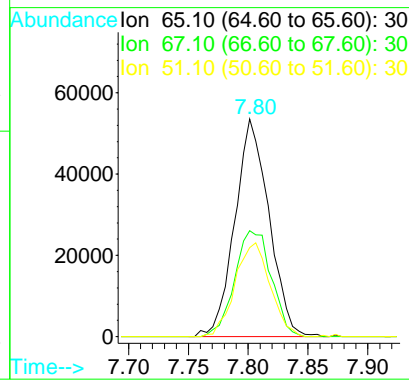
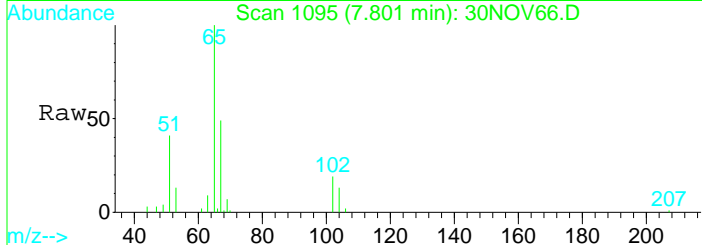
#1
 Pentafluorobenzene IS#1
 Concen: 10.00 ug/L
 RT: 7.50 min Scan# 1036
 Delta R.T. -0.00 min
 Lab File: 30NOV66.D
 Acq: 1 Dec 2023 8:19 am

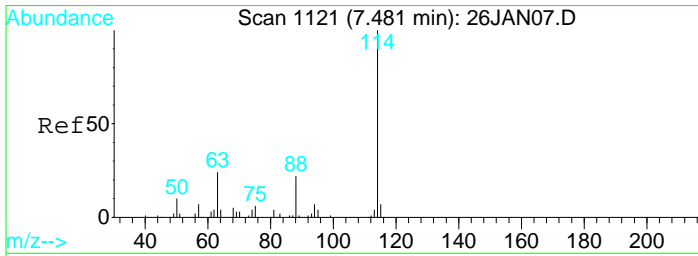
Tgt Ion	Resp	Lower	Upper
137	100		
99	351.3	475.5	883.1#



#23
 1,2-dichloroethane d4 SMC #1
 Concen: N.D. ug/L
 RT: 7.80 min Scan# 1095
 Delta R.T. -0.00 min
 Lab File: 30NOV66.D
 Acq: 1 Dec 2023 8:19 am

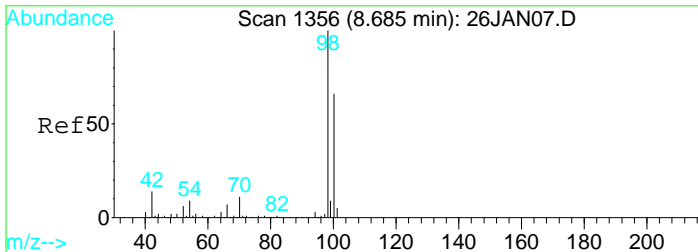
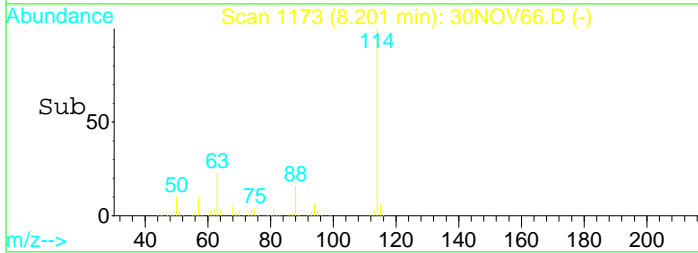
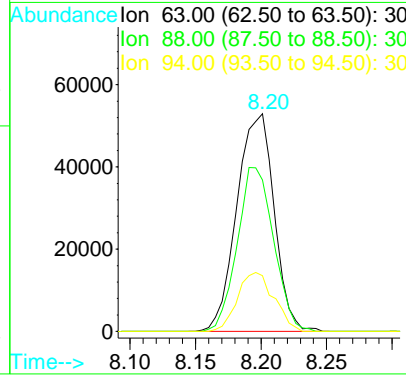
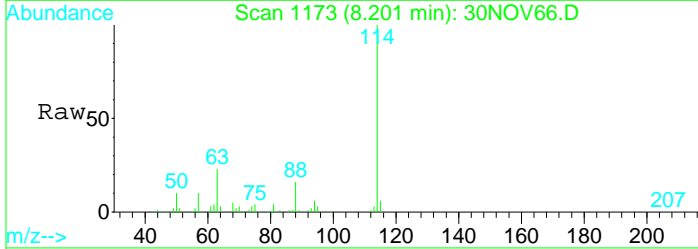
Tgt Ion	Resp	Lower	Upper
65	100		
67	52.1	35.2	65.4
51	44.2	119.7	222.3#





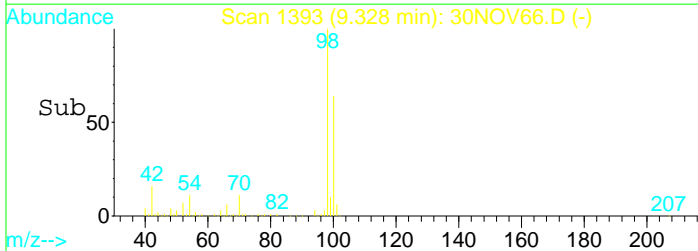
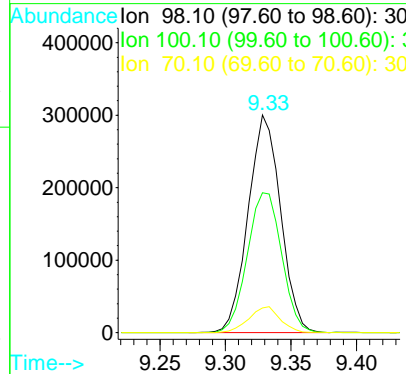
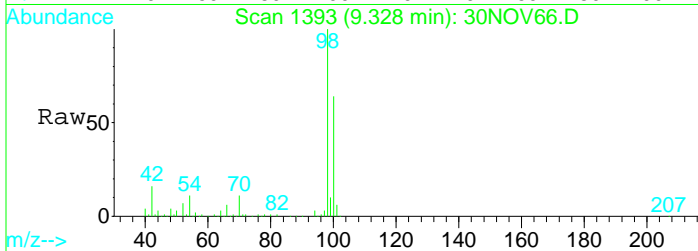
#26
 1,4-Difluorobenzene IS#2
 Concen: 10.00 ug/L
 RT: 8.20 min Scan# 1173
 Delta R.T. 0.00 min
 Lab File: 30NOV66.D
 Acq: 1 Dec 2023 8:19 am

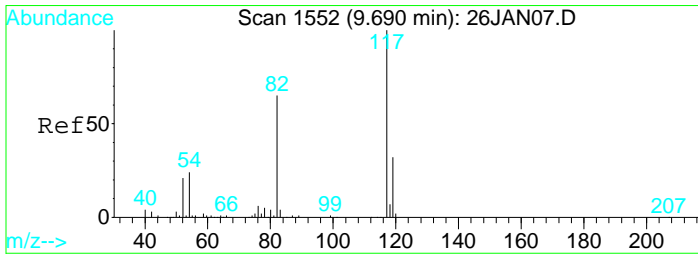
Tgt Ion	Resp	Lower	Upper
63	104947		
63	100		
88	73.4	54.5	101.1
94	26.5	19.7	36.7



#33
 Toluene d8 SMC#2
 Concen: Below ug/L
 RT: 9.33 min Scan# 1393
 Delta R.T. -0.00 min
 Lab File: 30NOV66.D
 Acq: 1 Dec 2023 8:19 am

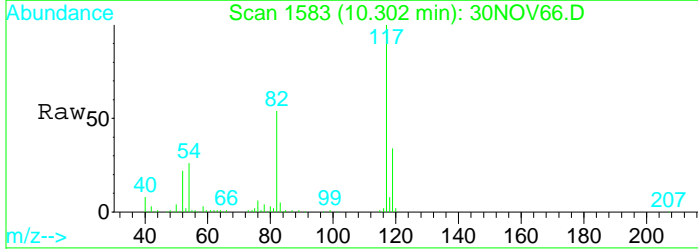
Tgt Ion	Resp	Lower	Upper
98	519846		
98	100		
100	68.0	47.5	88.1
70	11.5	8.1	15.1



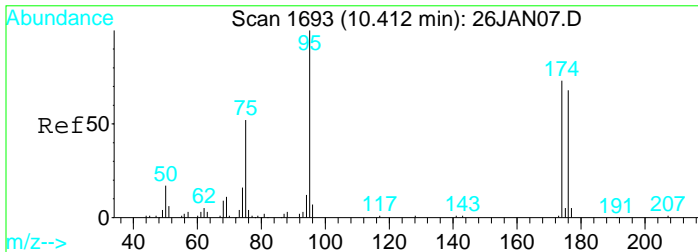
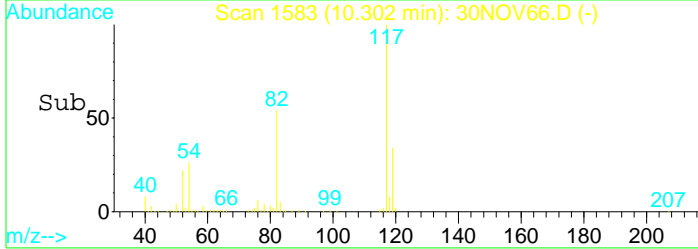
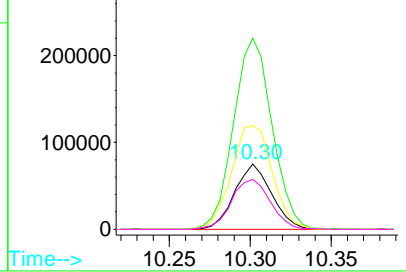


#41
 Chlorobenzene d5 IS#3
 Concen: 10.00 ug/L
 RT: 10.30 min Scan# 1583
 Delta R.T. -0.00 min
 Lab File: 30NOV66.D
 Acq: 1 Dec 2023 8:19 am

Tgt Ion	Resp	Lower	Upper
119	118669		
117	306.0	215.3	399.8
82	175.9	121.5	225.7
54	80.5	52.1	96.9

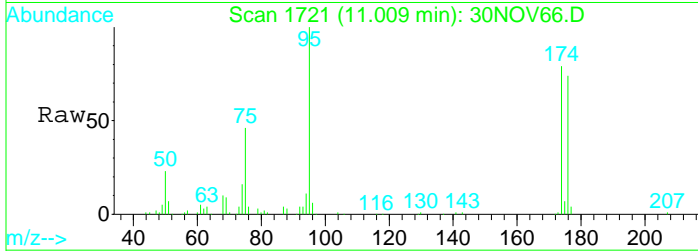


Abundance Ion 119.00 (118.50 to 119.50):
 Ion 117.00 (116.50 to 117.50):
 Ion 82.10 (81.60 to 82.60): 30
 Ion 54.10 (53.60 to 54.60): 30

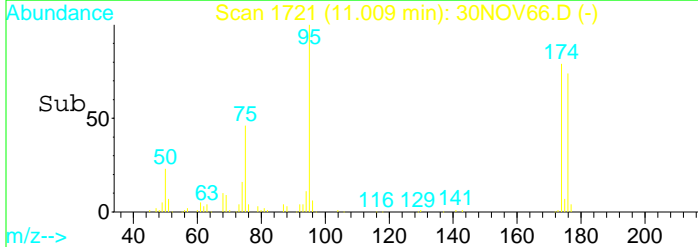
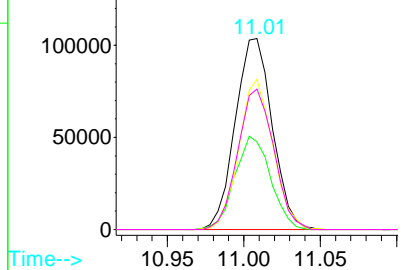


#51
 Bromofluorobenzene SMC#3
 Concen: Below ug/L
 RT: 11.01 min Scan# 1721
 Delta R.T. 0.00 min
 Lab File: 30NOV66.D
 Acq: 1 Dec 2023 8:19 am

Tgt Ion	Resp	Lower	Upper
95	174551		
95	100		
75	47.1	32.5	60.3
174	72.5	50.4	93.6
176	71.4	49.4	91.8



Abundance Ion 95.00 (94.50 to 95.50): 30
 Ion 75.00 (74.50 to 75.50): 30
 Ion 173.90 (173.40 to 174.40):
 Ion 175.90 (175.40 to 176.40):



Data File : D:\DATA\NOV2023C\NOV30\30NOV66.D
 Acq On : 1 Dec 2023 8:19 am
 Sample : 2322252-10
 Misc : 1 ;25ML;pH<2

Vial: 66
 Operator: MGC
 Inst : MS-V5
 Multiplr: 1.00

MS Integration Params: rteint.p

Quant Time: Dec 1 11:53 2023

Quant Results File: 82605CX.RES

Quant Method : C:\HPCHEM\1...\82605CX.M (RTE Integrator)

Title : EPA Method 8260C/DX
 Last Update : Fri Dec 01 08:39:53 2023
 Response via : Initial Calibration
 DataAcq Meth : 82605

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene IS#1	7.50	137	51698	10.00	ug/L	0.00
29) 1,4-Difluorobenzene IS#2	8.20	63	104947	10.00	ug/L	0.00
36) Chlorobenzene d5 IS#3	10.30	119	118669	10.00	ug/L	0.00

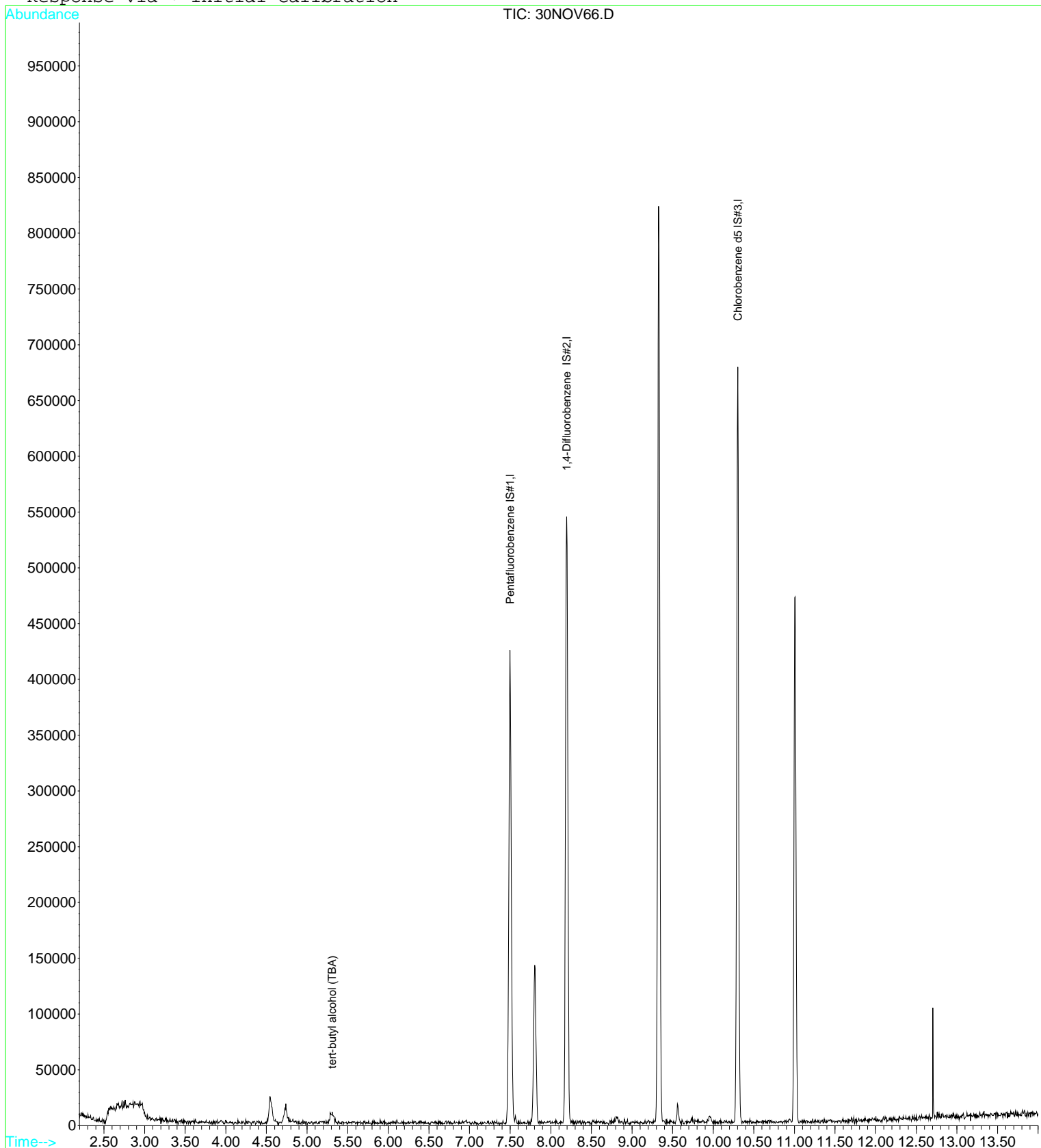
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) tert-butyl alcohol (TBA)	5.30	59	16790	35.25	ug/L	100

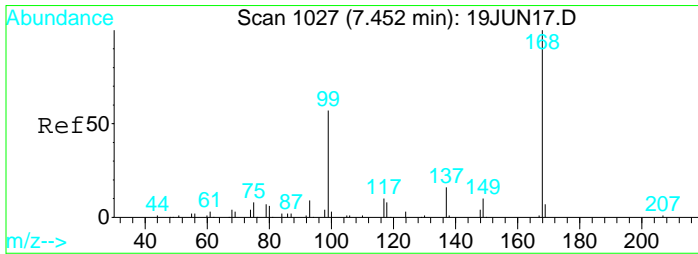
Data File : D:\DATA\NOV2023C\NOV30\30NOV66.D
Acq On : 1 Dec 2023 8:19 am
Sample : 2322252-10
Misc : 1 ;25ML;pH<2
MS Integration Params: rteint.p
Quant Time: Dec 1 11:53 2023

Vial: 66
Operator: MGC
Inst : MS-V5
Multiplr: 1.00

Quant Results File: 82605CX.RES

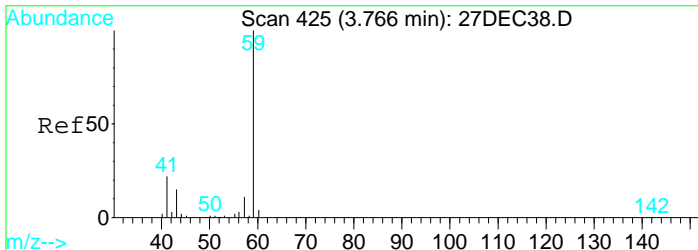
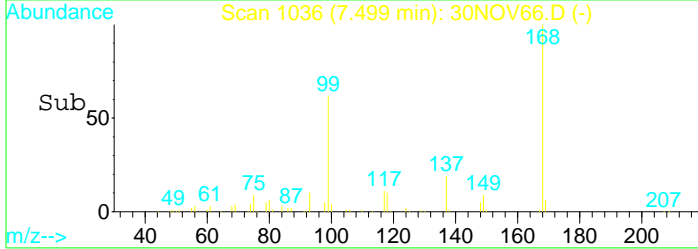
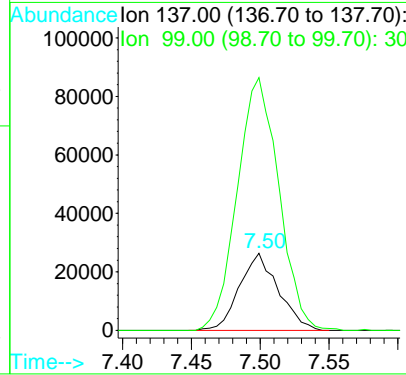
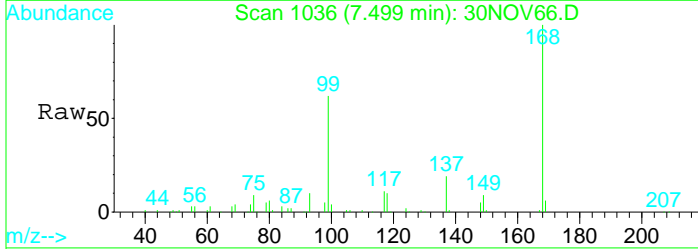
Method : C:\HPCHEM\1\METHODS\C\202311\26-1336\82605CX.M (RTE Integrator)
Title : EPA Method 8260C/DX
Last Update : Fri Dec 01 08:39:53 2023
Response via : Initial Calibration





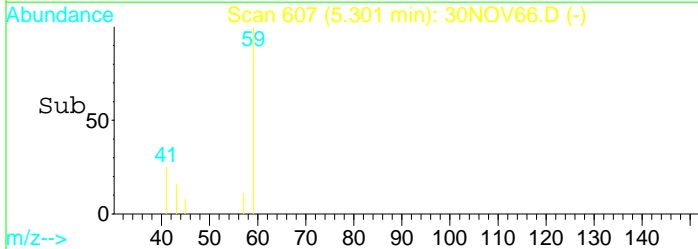
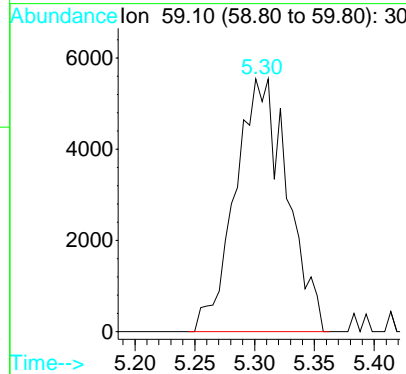
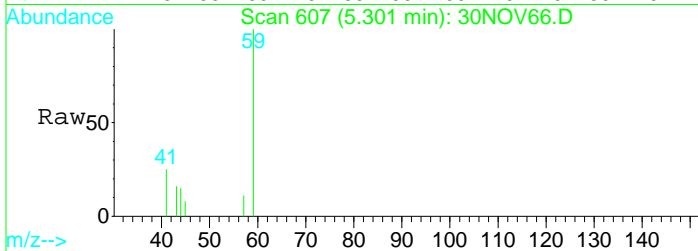
#1
 Pentafluorobenzene IS#1
 Concen: 10.00 ug/L
 RT: 7.50 min Scan# 1036
 Delta R.T. 0.00 min
 Lab File: 30NOV66.D
 Acq: 1 Dec 2023 8:19 am

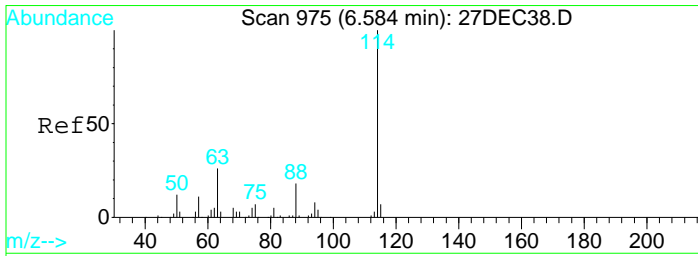
Tgt Ion:137 Resp: 51698
 Ion Ratio Lower Upper
 137 100
 99 351.3 235.9 438.1



#9
 tert-butyl alcohol (TBA)
 Concen: 35.25 ug/L
 RT: 5.30 min Scan# 607
 Delta R.T. -0.01 min
 Lab File: 30NOV66.D
 Acq: 1 Dec 2023 8:19 am

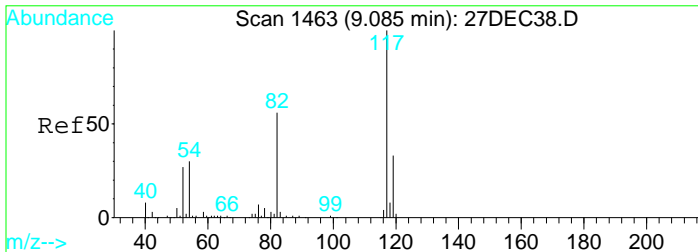
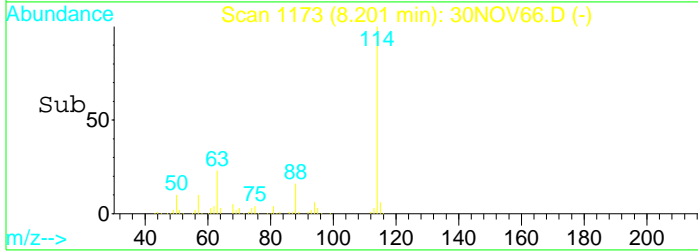
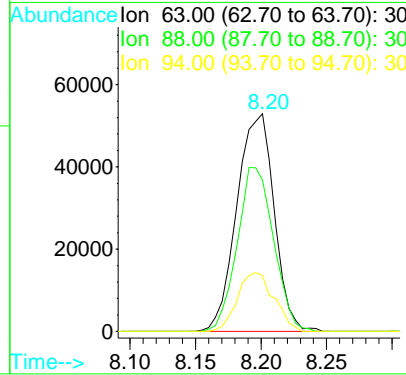
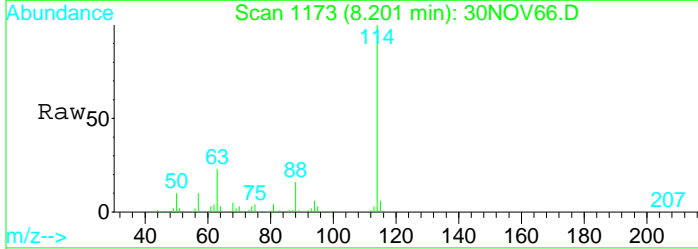
Tgt Ion: 59 Resp: 16790





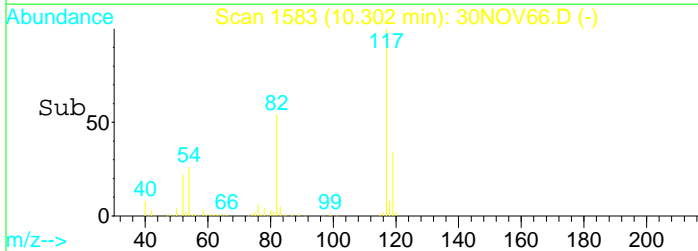
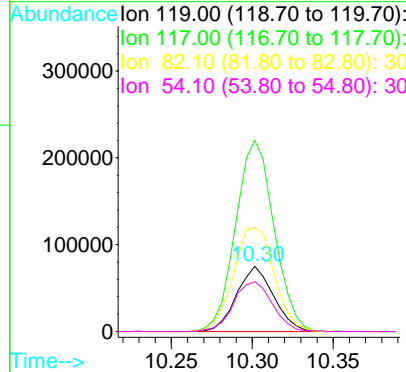
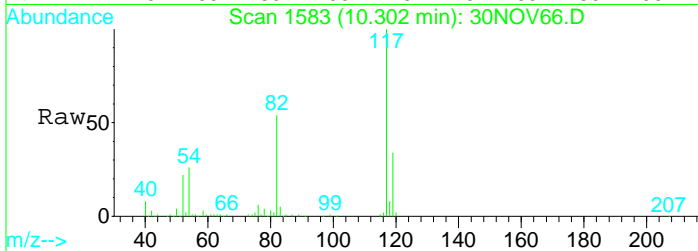
#29
 1,4-Difluorobenzene IS#2
 Concen: 10.00 ug/L
 RT: 8.20 min Scan# 1173
 Delta R.T. 0.00 min
 Lab File: 30NOV66.D
 Acq: 1 Dec 2023 8:19 am

Tgt Ion	Resp	Lower	Upper
63	104947		
88	73.4	51.3	95.3
94	26.5	19.7	36.5



#36
 Chlorobenzene d5 IS#3
 Concen: 10.00 ug/L
 RT: 10.30 min Scan# 1583
 Delta R.T. -0.00 min
 Lab File: 30NOV66.D
 Acq: 1 Dec 2023 8:19 am

Tgt Ion	Resp	Lower	Upper
119	118669		
117	306.0	215.3	399.9
82	175.9	119.8	222.4
54	80.5	50.5	93.9



Data File : D:\DATA\NOV2023C\NOV30\30NOV65.D
 Acq On : 1 Dec 2023 7:55 am
 Sample : 2322252-11
 Misc : 1 Unspiked;25ML;pH<2
 MS Integration Params: rteint.p
 Quant Time: Dec 1 11:51 2023

Vial: 65
 Operator: MGC
 Inst : MS-V5
 Multiplr: 1.00

Quant Results File: 82605C.RES

Quant Method : C:\HPCHEM\1...\82605C.M (RTE Integrator)
 Title : EPA Method 8260C/D
 Last Update : Thu Nov 30 12:10:48 2023
 Response via : Initial Calibration
 DataAcq Meth : 82605

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene IS#1	7.50	137	51717	10.00	ug/L	0.00
26) 1,4-Difluorobenzene IS#2	8.19	63	102960	10.00	ug/L	0.00
41) Chlorobenzene d5 IS#3	10.30	119	115895	10.00	ug/L	0.00

System Monitoring Compounds

23) 1,2-dichloroethane d4 SMC	7.80	65	106320	10.43	ug/L	0.00
Spiked Amount	10.000	Range	75 - 125	Recovery	=	104.30%
33) Toluene d8 SMC#2	9.33	98	513780	9.71	ug/L	0.00
Spiked Amount	10.000	Range	80 - 120	Recovery	=	97.10%
51) Bromofluorobenzene SMC#3	11.01	95	168467	10.10	ug/L	0.00
Spiked Amount	10.000	Range	80 - 120	Recovery	=	101.00%

Target Compounds

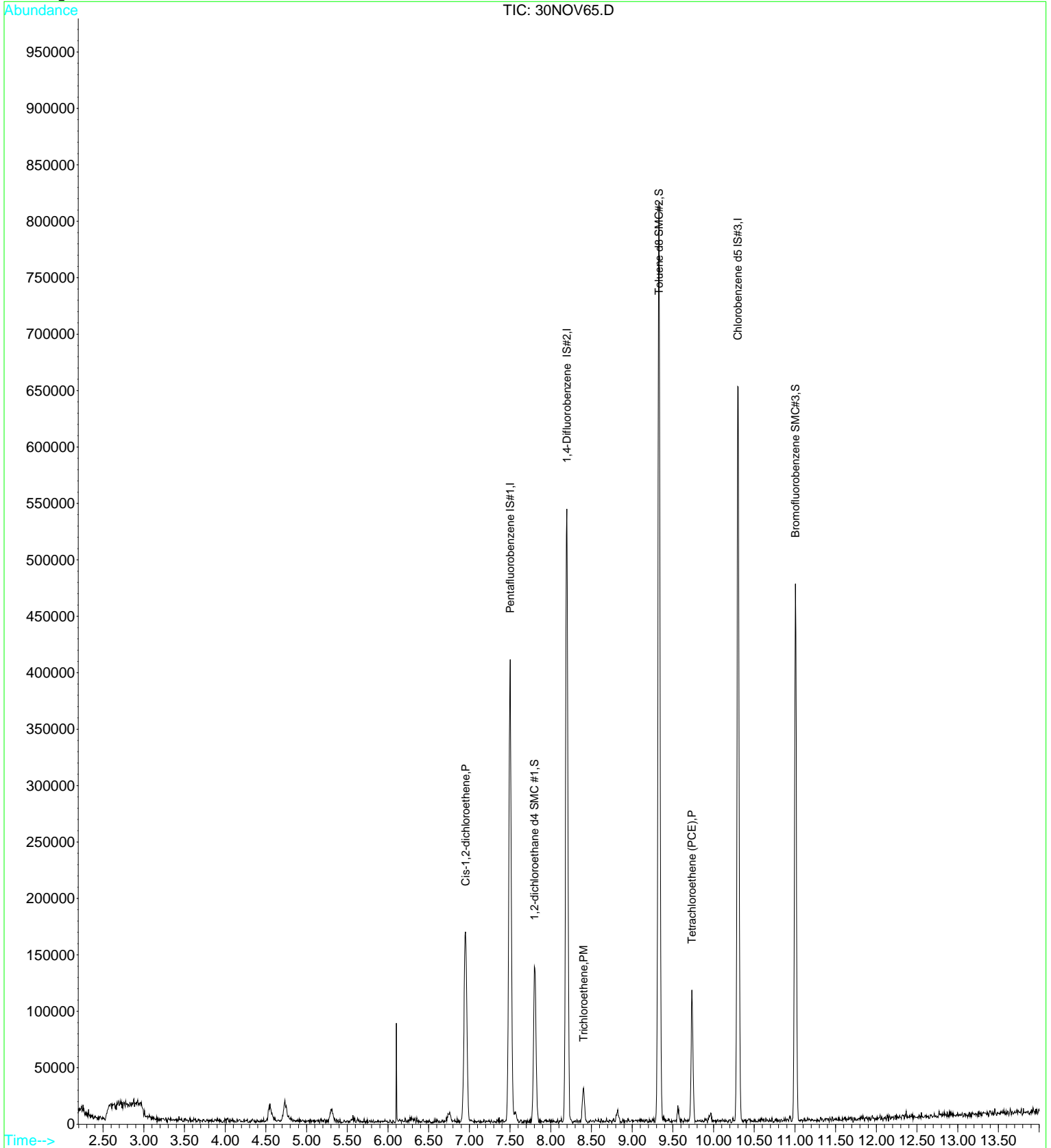
	R.T.	QIon	Response	Conc	Units	Qvalue
17) Cis-1,2-dichloroethene	6.95	96	93287	5.26	ug/L	90
27) Trichloroethene	8.41	130	10463	0.63	ug/L	99
37) Tetrachloroethene (PCE)	9.74	166	32081	2.05	ug/L	98

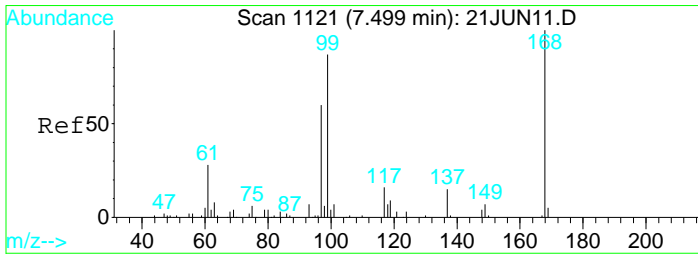
Data File : D:\DATA\NOV2023C\NOV30\30NOV65.D
Acq On : 1 Dec 2023 7:55 am
Sample : 2322252-11
Misc : 1 Unspiked;25ML;pH<2
MS Integration Params: rteint.p
Quant Time: Dec 1 11:51 2023

Vial: 65
Operator: MGC
Inst : MS-V5
Multiplr: 1.00

Quant Results File: 82605C.RES

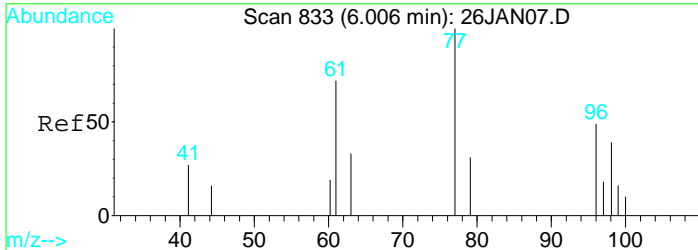
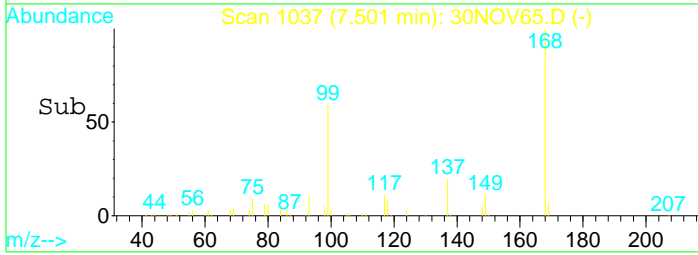
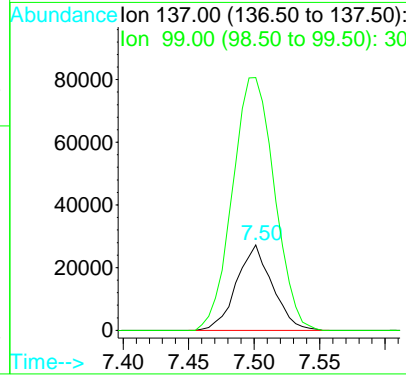
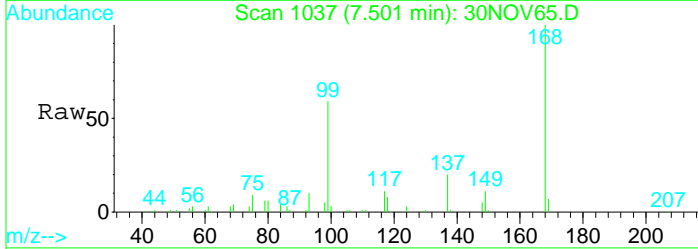
Method : C:\HPCHEM\1\METHODS\C\202311\26-0912\82605C.M (RTE Integrator)
Title : EPA Method 8260C/D
Last Update : Thu Nov 30 12:10:48 2023
Response via : Initial Calibration





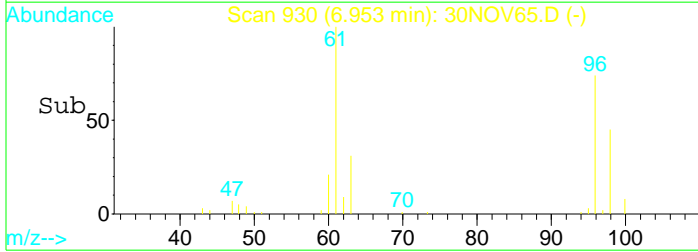
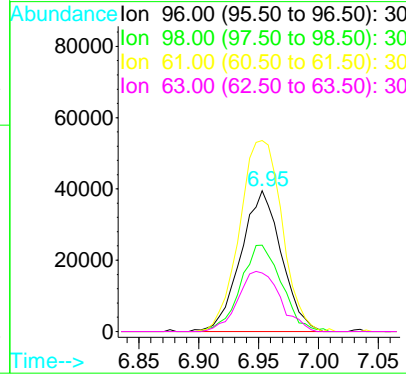
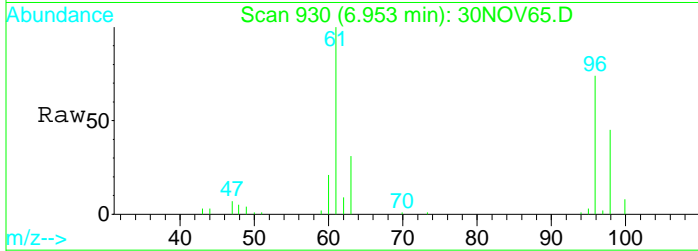
#1
 Pentafluorobenzene IS#1
 Concen: 10.00 ug/L
 RT: 7.50 min Scan# 1037
 Delta R.T. 0.00 min
 Lab File: 30NOV65.D
 Acq: 1 Dec 2023 7:55 am

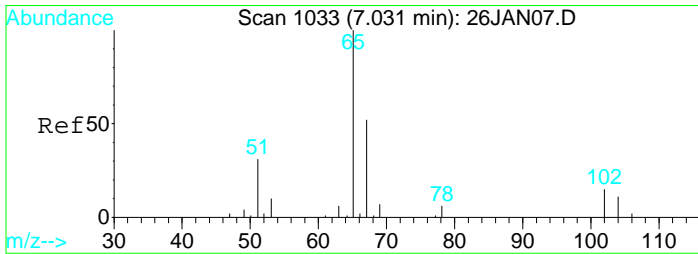
Tgt Ion	Resp	Lower	Upper
137	100		
99	347.4	475.5	883.1#



#17
 Cis-1,2-dichloroethene
 Concen: 5.26 ug/L
 RT: 6.95 min Scan# 930
 Delta R.T. 0.01 min
 Lab File: 30NOV65.D
 Acq: 1 Dec 2023 7:55 am

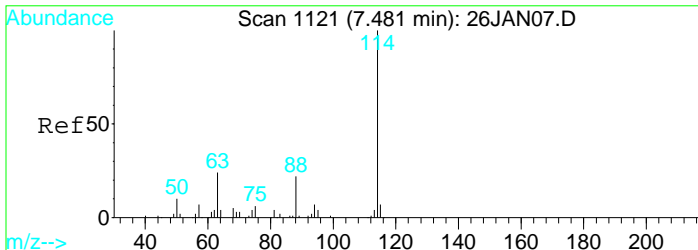
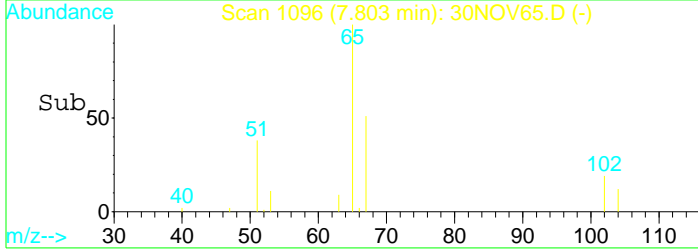
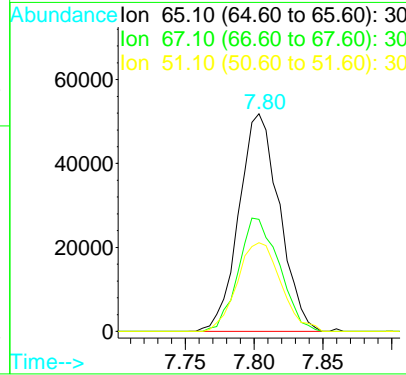
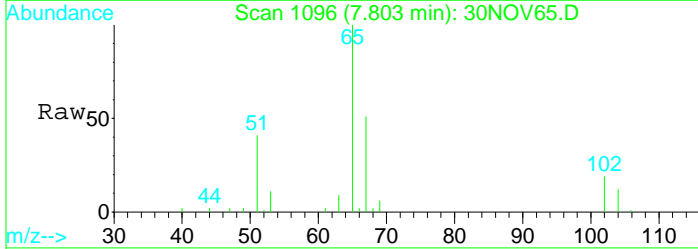
Tgt Ion	Resp	Lower	Upper
96	100		
98	61.4	45.6	84.6
61	142.4	111.2	206.4
63	44.3	35.4	65.8





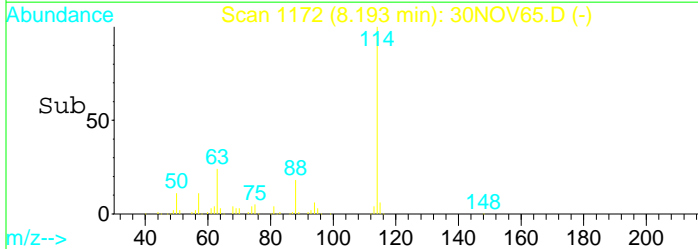
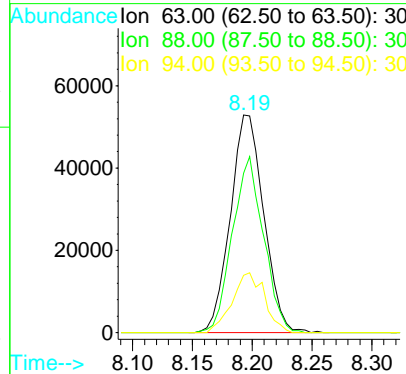
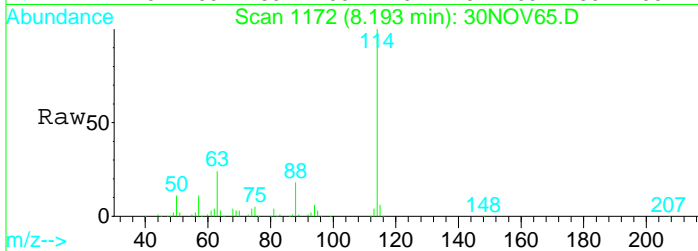
#23
 1,2-dichloroethane d4 SMC #1
 Concen: Below ug/L
 RT: 7.80 min Scan# 1096
 Delta R.T. 0.00 min
 Lab File: 30NOV65.D
 Acq: 1 Dec 2023 7:55 am

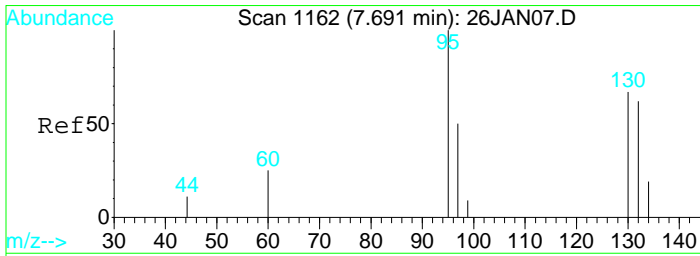
Tgt Ion	Resp	Lower	Upper
65	106320		
67	52.5	35.2	65.4
51	43.8	119.7	222.3#



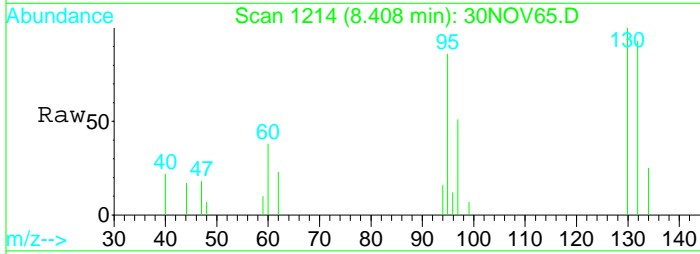
#26
 1,4-Difluorobenzene IS#2
 Concen: 10.00 ug/L
 RT: 8.19 min Scan# 1172
 Delta R.T. -0.01 min
 Lab File: 30NOV65.D
 Acq: 1 Dec 2023 7:55 am

Tgt Ion	Resp	Lower	Upper
63	102960		
88	75.3	54.5	101.1
94	26.6	19.7	36.7



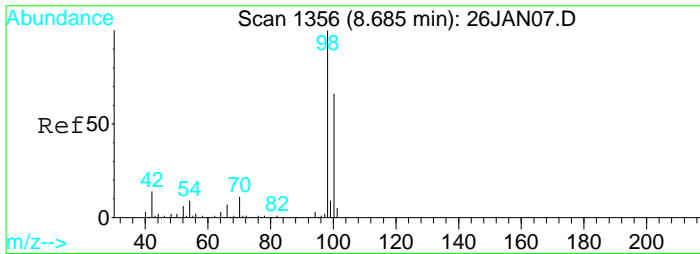
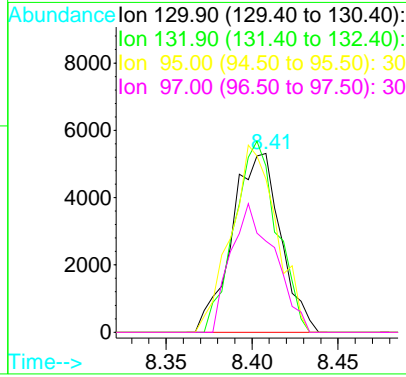
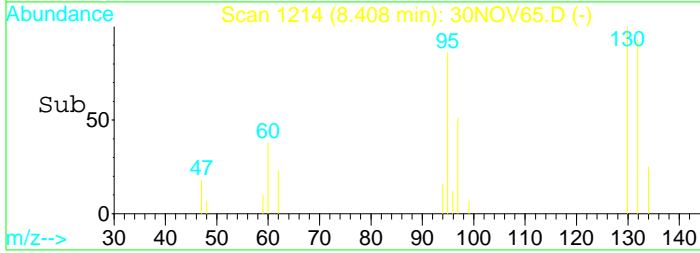


#27
 Trichloroethene
 Concen: 0.63 ug/L
 RT: 8.41 min Scan# 1214
 Delta R.T. 0.01 min
 Lab File: 30NOV65.D
 Acq: 1 Dec 2023 7:55 am

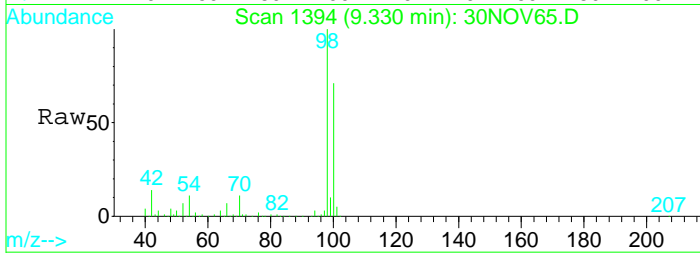


Tgt Ion: 130 Resp: 10463

Ion	Ratio	Lower	Upper
130	100		
132	94.1	66.7	123.9
95	97.6	69.4	129.0
97	64.2	45.8	85.2

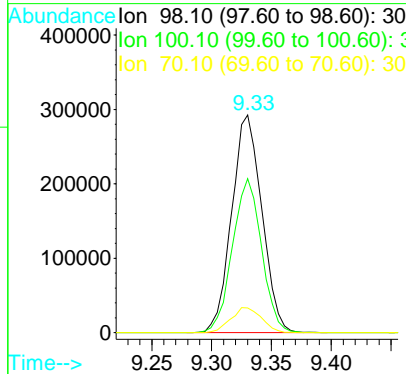
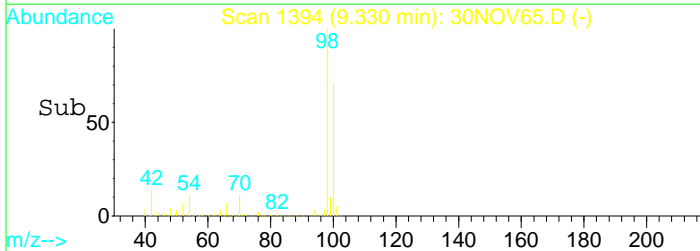


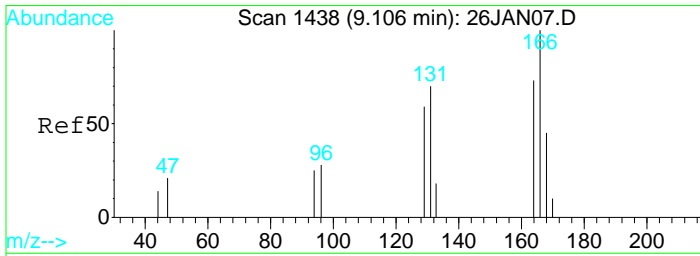
#33
 Toluene d8 SMC#2
 Concen: N.D. ug/L
 RT: 9.33 min Scan# 1394
 Delta R.T. 0.00 min
 Lab File: 30NOV65.D
 Acq: 1 Dec 2023 7:55 am



Tgt Ion: 98 Resp: 513780

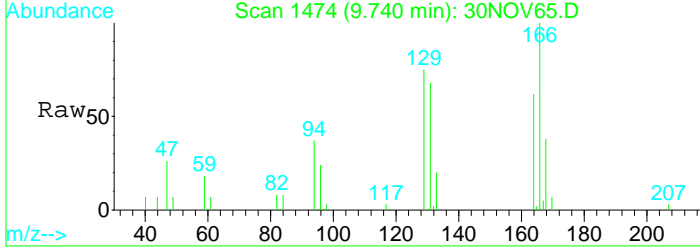
Ion	Ratio	Lower	Upper
98	100		
100	68.1	47.5	88.1
70	11.7	8.1	15.1



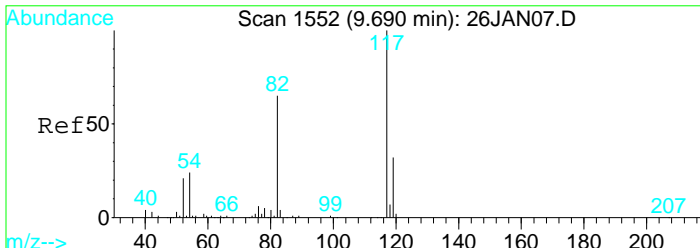
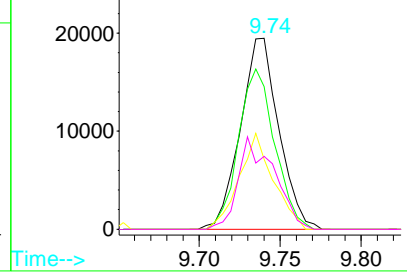
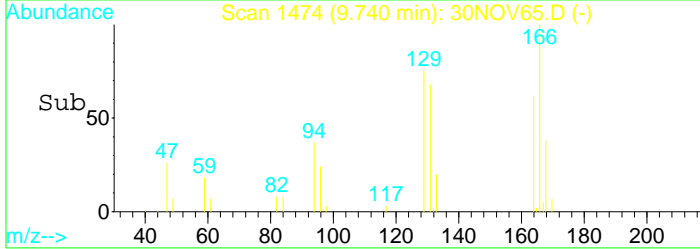


#37
 Tetrachloroethene (PCE)
 Concen: 2.05 ug/L
 RT: 9.74 min Scan# 1474
 Delta R.T. 0.01 min
 Lab File: 30NOV65.D
 Acq: 1 Dec 2023 7:55 am

Tgt Ion	Resp	Lower	Upper
166	100		
129	79.4	55.6	103.4
94	44.7	32.4	60.2
168	45.3	33.4	62.0

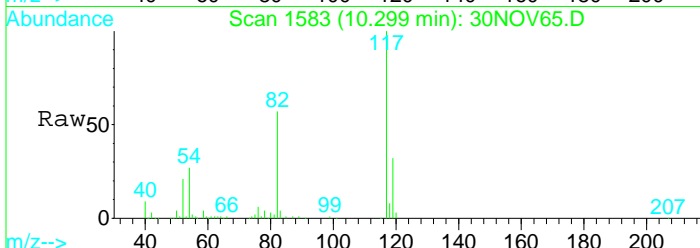


Abundance Ion 165.90 (165.40 to 166.40):
 Ion 128.90 (128.40 to 129.40):
 Ion 94.00 (93.50 to 94.50):
 Ion 167.90 (167.40 to 168.40):

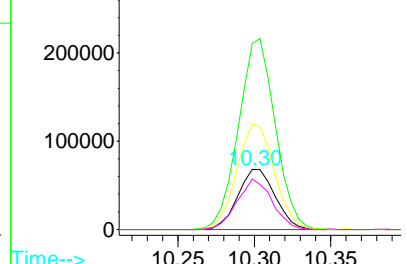
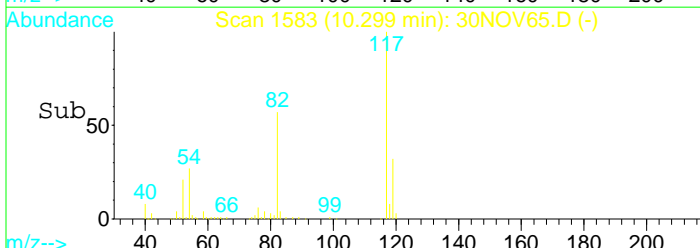


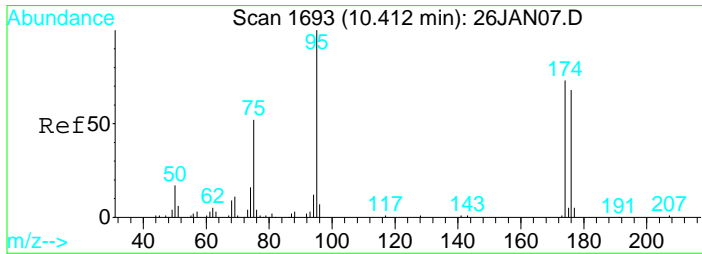
#41
 Chlorobenzene d5 IS#3
 Concen: 10.00 ug/L
 RT: 10.30 min Scan# 1583
 Delta R.T. -0.01 min
 Lab File: 30NOV65.D
 Acq: 1 Dec 2023 7:55 am

Tgt Ion	Resp	Lower	Upper
119	100		
117	311.9	215.3	399.8
82	176.0	121.5	225.7
54	78.3	52.1	96.9

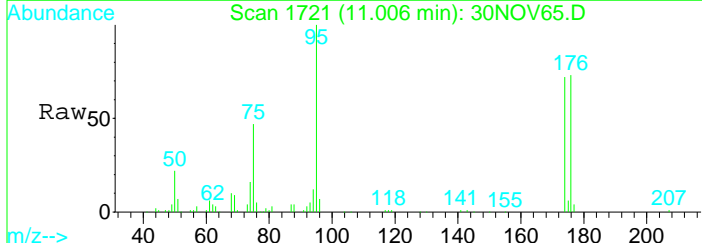


Abundance Ion 119.00 (118.50 to 119.50):
 Ion 117.00 (116.50 to 117.50):
 Ion 82.10 (81.60 to 82.60):
 Ion 54.10 (53.60 to 54.60):



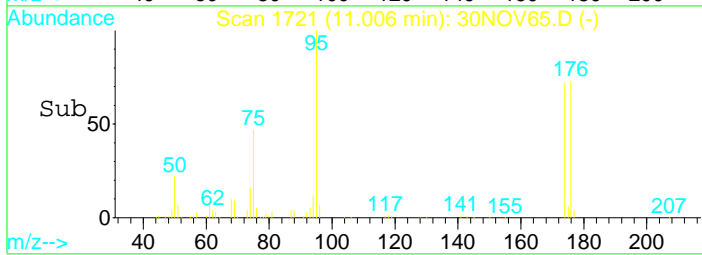


#51
 Bromofluorobenzene SMC#3
 Concen: N.D. ug/L
 RT: 11.01 min Scan# 1721
 Delta R.T. 0.00 min
 Lab File: 30NOV65.D
 Acq: 1 Dec 2023 7:55 am

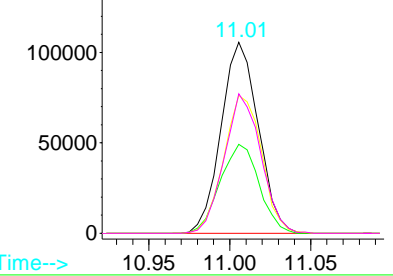


Tgt Ion: 95 Resp: 168467

Ion	Ratio	Lower	Upper
95	100		
75	48.7	32.5	60.3
174	73.4	50.4	93.6
176	71.7	49.4	91.8



Abundance Ion 95.00 (94.50 to 95.50): 30
 Ion 75.00 (74.50 to 75.50): 30
 Ion 173.90 (173.40 to 174.40):
 Ion 175.90 (175.40 to 176.40):



Data File : D:\DATA\NOV2023C\NOV30\30NOV65.D
 Acq On : 1 Dec 2023 7:55 am
 Sample : 2322252-11
 Misc : 1 Unspiked;25ML;pH<2
 MS Integration Params: rteint.p
 Quant Time: Dec 1 11:52 2023

Vial: 65
 Operator: MGC
 Inst : MS-V5
 Multiplr: 1.00

Quant Results File: 82605CX.RES

Quant Method : C:\HPCHEM\1...\82605CX.M (RTE Integrator)
 Title : EPA Method 8260C/DX
 Last Update : Fri Dec 01 08:39:53 2023
 Response via : Initial Calibration
 DataAcq Meth : 82605

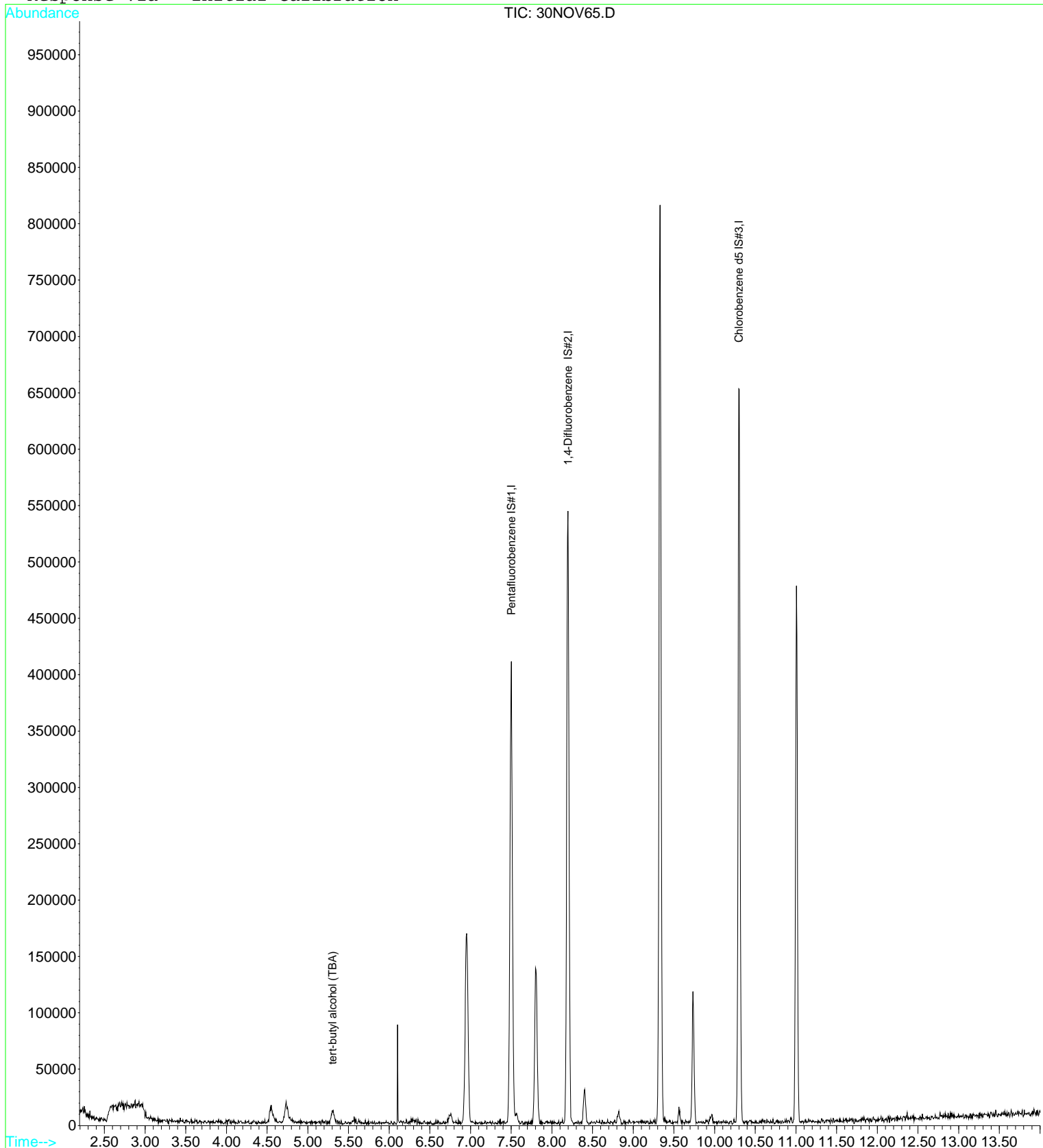
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene IS#1	7.50	137	51717	10.00	ug/L	0.00
29) 1,4-Difluorobenzene IS#2	8.19	63	102960	10.00	ug/L	0.00
36) Chlorobenzene d5 IS#3	10.30	119	115895	10.00	ug/L	0.00
Target Compounds						Qvalue
9) tert-butyl alcohol (TBA)	5.30	59	17971	37.71	ug/L	100

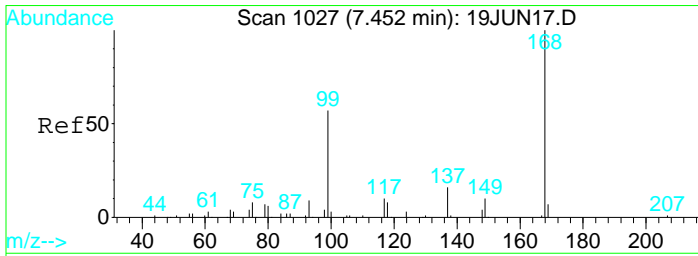
Data File : D:\DATA\NOV2023C\NOV30\30NOV65.D
Acq On : 1 Dec 2023 7:55 am
Sample : 2322252-11
Misc : 1 Unspiked;25ML;pH<2
MS Integration Params: rteint.p
Quant Time: Dec 1 11:52 2023

Vial: 65
Operator: MGC
Inst : MS-V5
Multiplr: 1.00

Quant Results File: 82605CX.RES

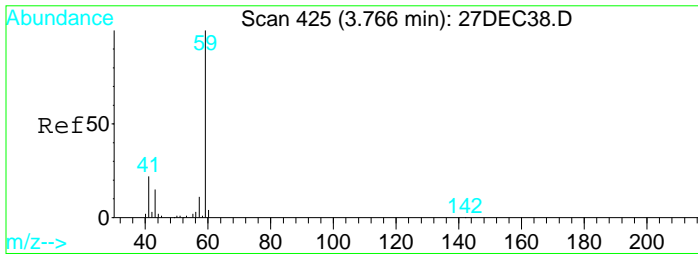
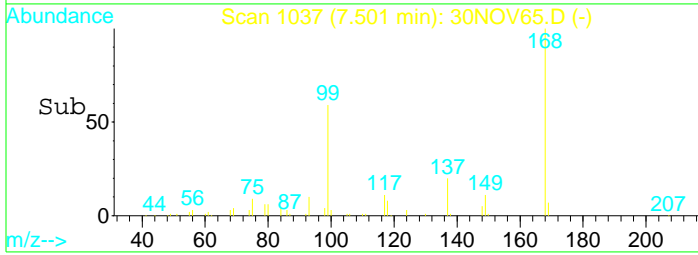
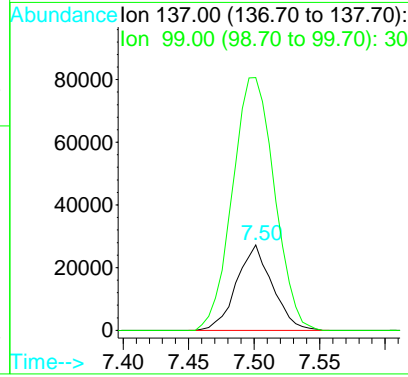
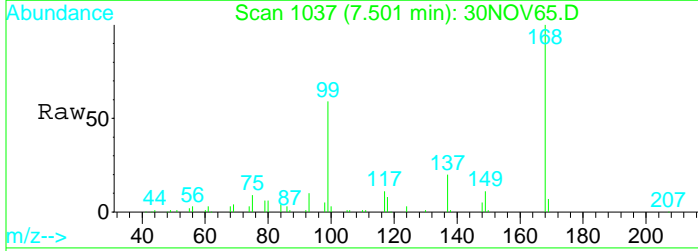
Method : C:\HPCHEM\1\METHODS\C\202311\26-1336\82605CX.M (RTE Integrator)
Title : EPA Method 8260C/DX
Last Update : Fri Dec 01 08:39:53 2023
Response via : Initial Calibration





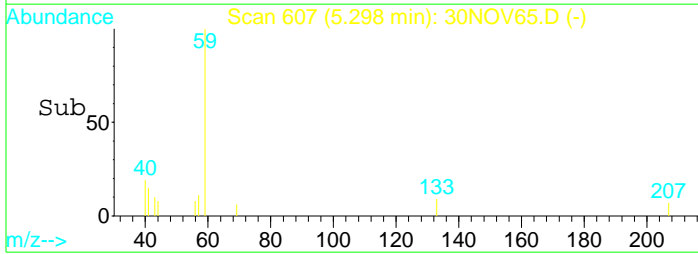
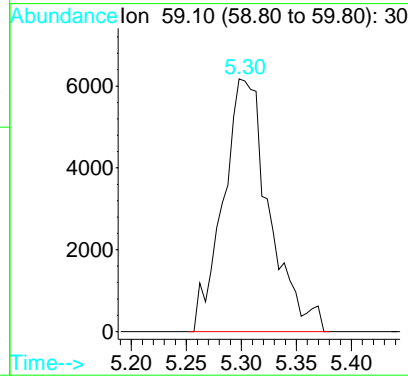
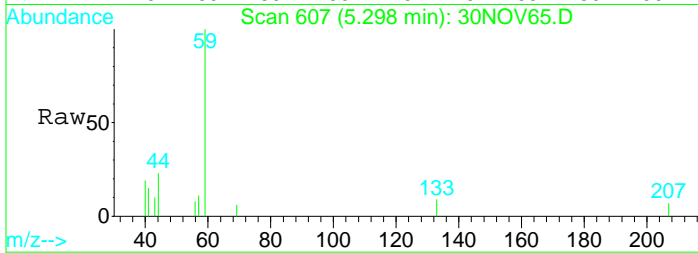
#1
 Pentafluorobenzene IS#1
 Concen: 10.00 ug/L
 RT: 7.50 min Scan# 1037
 Delta R.T. 0.00 min
 Lab File: 30NOV65.D
 Acq: 1 Dec 2023 7:55 am

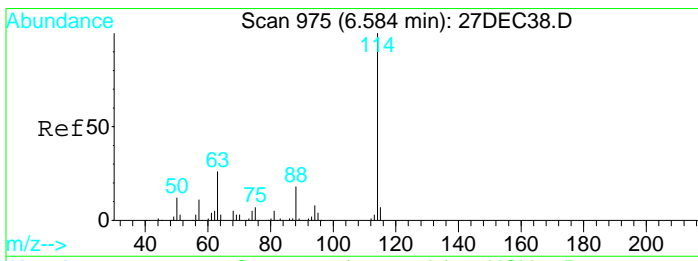
Tgt Ion:137 Resp: 51717
 Ion Ratio Lower Upper
 137 100
 99 347.4 235.9 438.1



#9
 tert-butyl alcohol (TBA)
 Concen: 37.71 ug/L
 RT: 5.30 min Scan# 607
 Delta R.T. -0.01 min
 Lab File: 30NOV65.D
 Acq: 1 Dec 2023 7:55 am

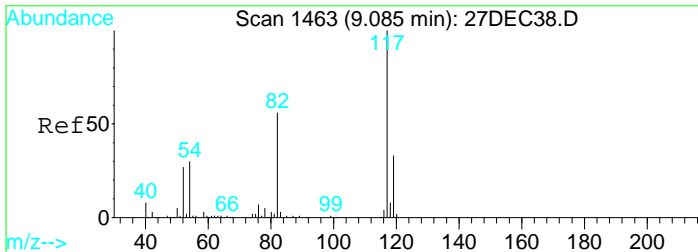
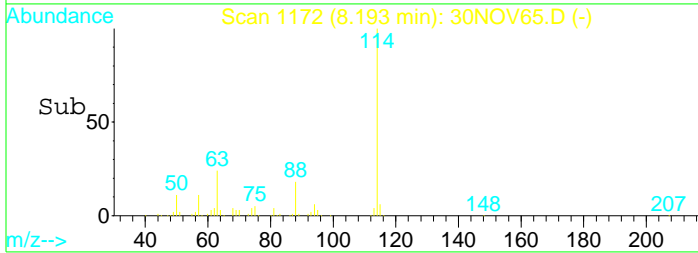
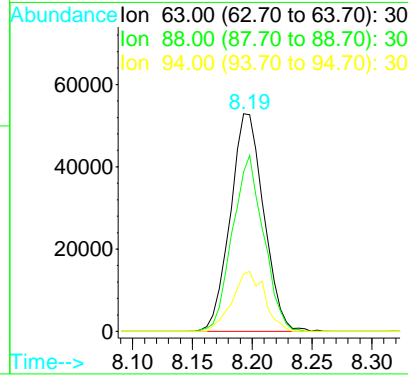
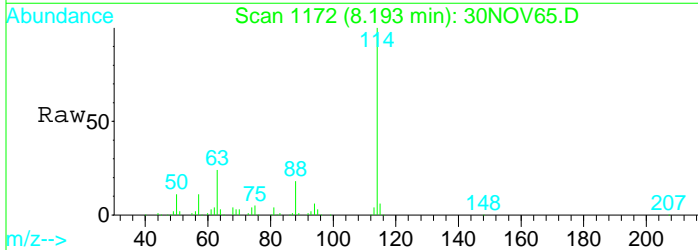
Tgt Ion: 59 Resp: 17971





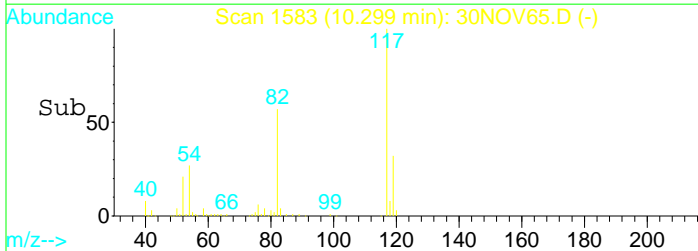
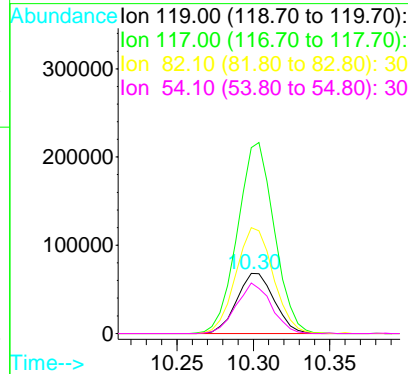
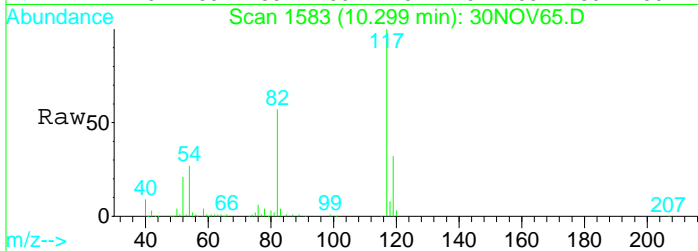
#29
 1,4-Difluorobenzene IS#2
 Concen: 10.00 ug/L
 RT: 8.19 min Scan# 1172
 Delta R.T. -0.01 min
 Lab File: 30NOV65.D
 Acq: 1 Dec 2023 7:55 am

Tgt Ion	Resp	Lower	Upper
63	102960		
63	100		
88	75.3	51.3	95.3
94	26.6	19.7	36.5



#36
 Chlorobenzene d5 IS#3
 Concen: 10.00 ug/L
 RT: 10.30 min Scan# 1583
 Delta R.T. -0.01 min
 Lab File: 30NOV65.D
 Acq: 1 Dec 2023 7:55 am

Tgt Ion	Resp	Lower	Upper
119	115895		
119	100		
117	311.9	215.3	399.9
82	176.0	119.8	222.4
54	78.3	50.5	93.9



Data File : D:\DATA\NOV2023C\NOV30\30NOV67.D
 Acq On : 1 Dec 2023 8:43 am
 Sample : 2322252-12
 Misc : 1 ;25ML;pH<2

Vial: 67
 Operator: MGC
 Inst : MS-V5
 Multiplr: 1.00

MS Integration Params: rteint.p

Quant Time: Dec 1 11:53 2023

Quant Results File: 82605C.RES

Quant Method : C:\HPCHEM\1...\82605C.M (RTE Integrator)

Title : EPA Method 8260C/D
 Last Update : Thu Nov 30 12:10:48 2023
 Response via : Initial Calibration
 DataAcq Meth : 82605

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene IS#1	7.50	137	51850	10.00	ug/L	0.00
26) 1,4-Difluorobenzene IS#2	8.19	63	101558	10.00	ug/L	0.00
41) Chlorobenzene d5 IS#3	10.30	119	124775	10.00	ug/L	0.00

System Monitoring Compounds

23) 1,2-dichloroethane d4 SMC	7.80	65	107587	10.52	ug/L	0.00
Spiked Amount	10.000	Range	75 - 125	Recovery	=	105.20%
33) Toluene d8 SMC#2	9.33	98	521445	9.99	ug/L	0.00
Spiked Amount	10.000	Range	80 - 120	Recovery	=	99.90%
51) Bromofluorobenzene SMC#3	11.01	95	172584	9.61	ug/L	0.00
Spiked Amount	10.000	Range	80 - 120	Recovery	=	96.10%

Target Compounds

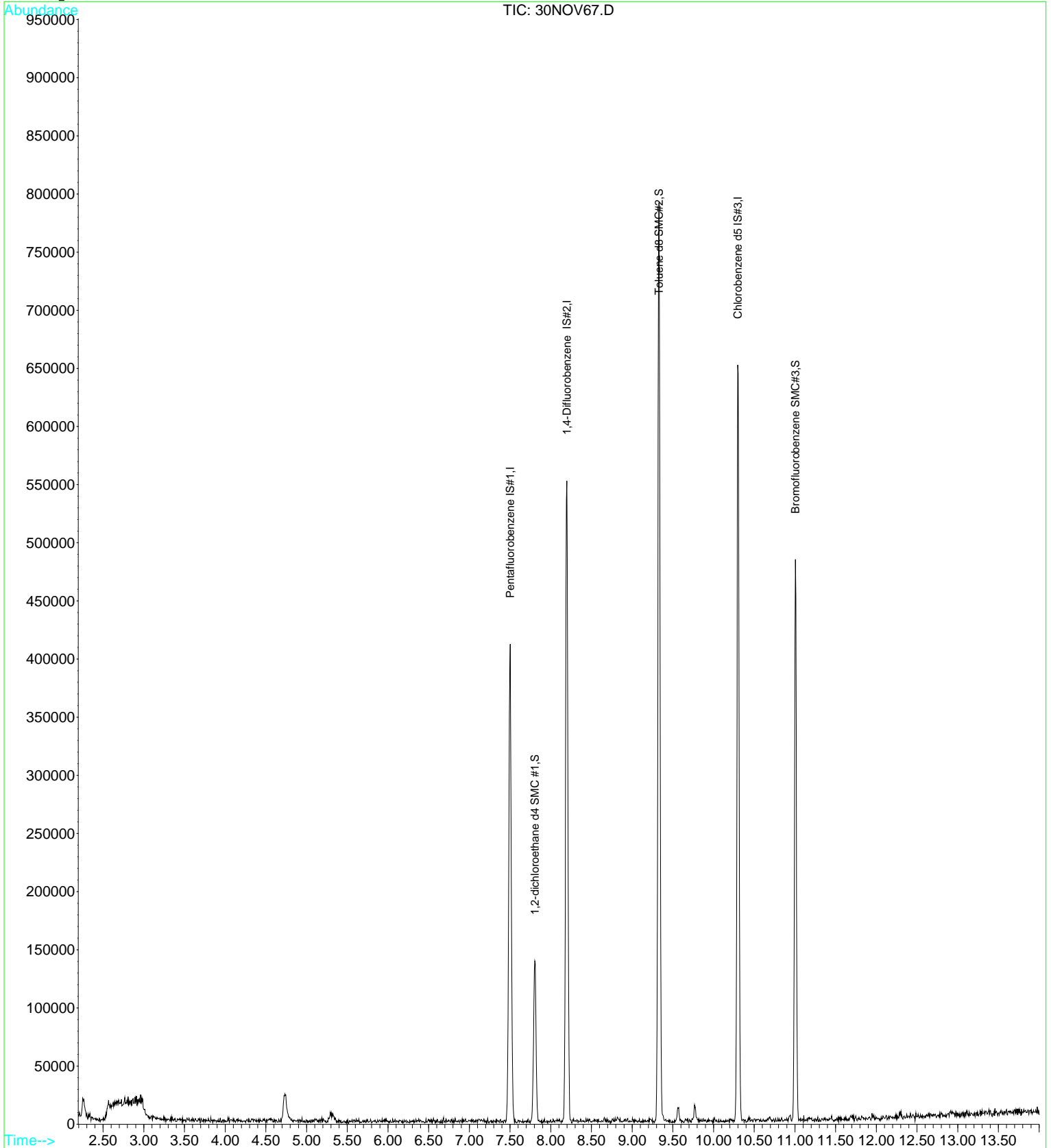
Qvalue

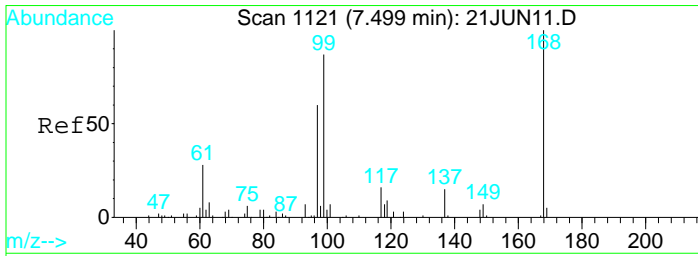
Data File : D:\DATA\NOV2023C\NOV30\30NOV67.D
Acq On : 1 Dec 2023 8:43 am
Sample : 2322252-12
Misc : 1 ;25ML;pH<2
MS Integration Params: rteint.p
Quant Time: Dec 1 11:53 2023

Vial: 67
Operator: MGC
Inst : MS-V5
Multiplr: 1.00

Quant Results File: 82605C.RES

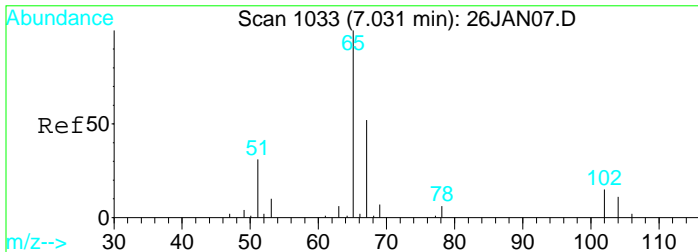
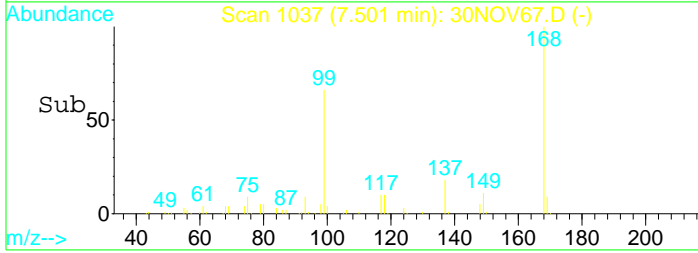
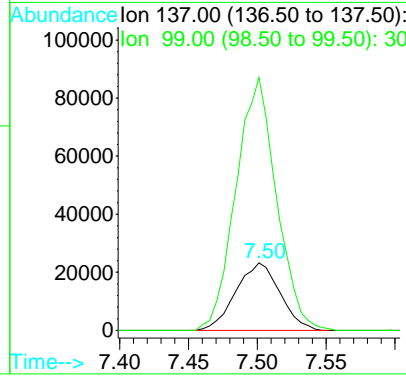
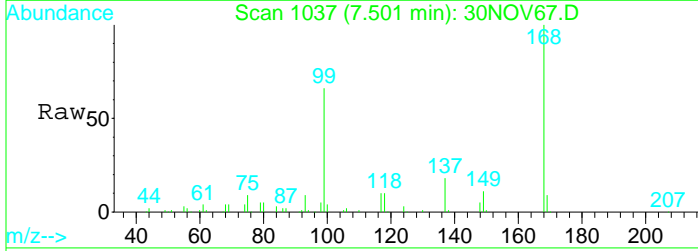
Method : C:\HPCHEM\1\METHODS\C\202311\26-0912\82605C.M (RTE Integrator)
Title : EPA Method 8260C/D
Last Update : Thu Nov 30 12:10:48 2023
Response via : Initial Calibration





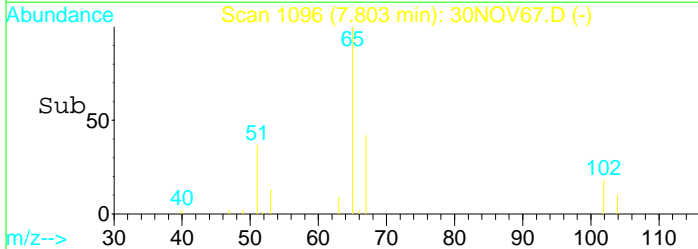
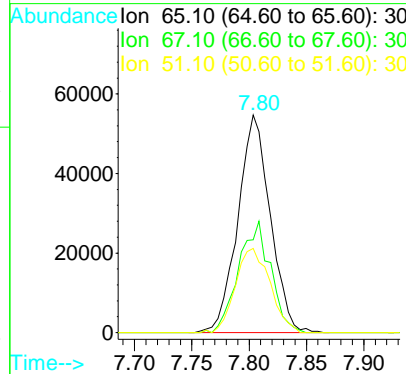
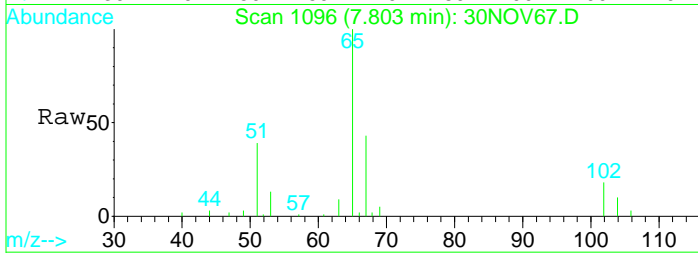
#1
 Pentafluorobenzene IS#1
 Concen: 10.00 ug/L
 RT: 7.50 min Scan# 1037
 Delta R.T. 0.00 min
 Lab File: 30NOV67.D
 Acq: 1 Dec 2023 8:43 am

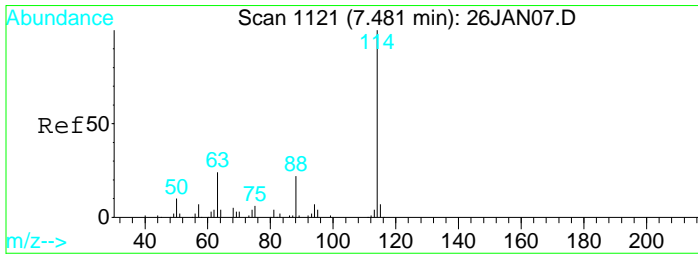
Tgt Ion	Resp	Lower	Upper
137	100		
99	344.7	475.5	883.1#



#23
 1,2-dichloroethane d4 SMC #1
 Concen: N.D. ug/L
 RT: 7.80 min Scan# 1096
 Delta R.T. 0.00 min
 Lab File: 30NOV67.D
 Acq: 1 Dec 2023 8:43 am

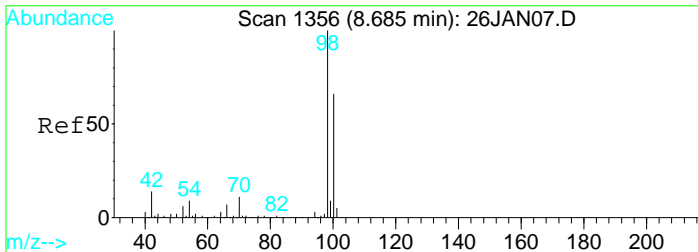
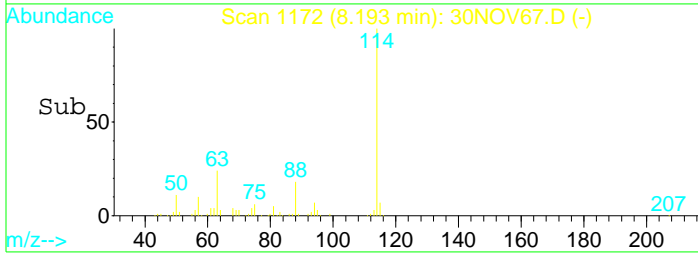
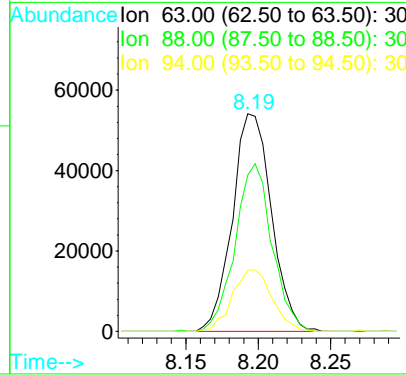
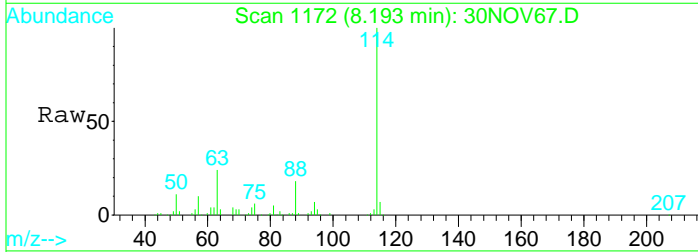
Tgt Ion	Resp	Lower	Upper
65	100		
67	50.4	35.2	65.4
51	41.4	119.7	222.3#





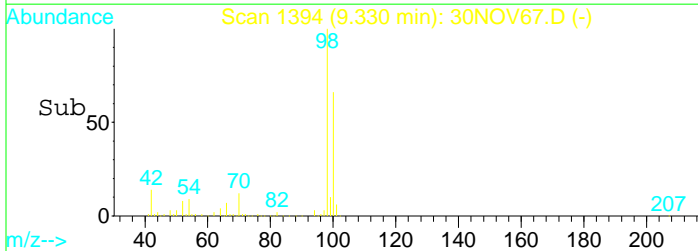
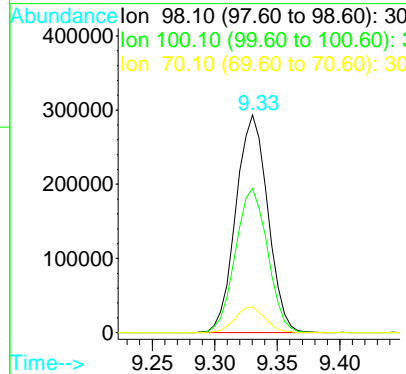
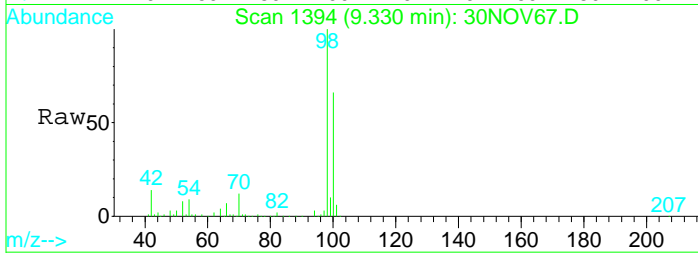
#26
 1,4-Difluorobenzene IS#2
 Concen: 10.00 ug/L
 RT: 8.19 min Scan# 1172
 Delta R.T. -0.01 min
 Lab File: 30NOV67.D
 Acq: 1 Dec 2023 8:43 am

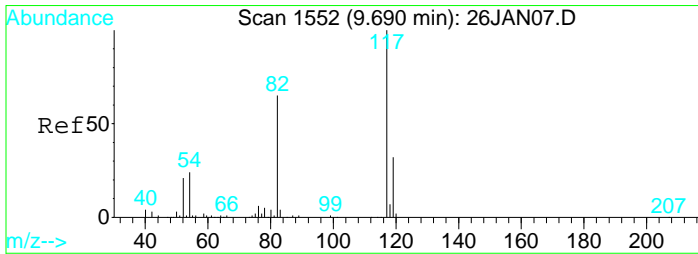
Tgt Ion	Resp	Lower	Upper
63	101558		
88	72.7	54.5	101.1
94	28.8	19.7	36.7



#33
 Toluene d8 SMC#2
 Concen: Below ug/L
 RT: 9.33 min Scan# 1394
 Delta R.T. 0.00 min
 Lab File: 30NOV67.D
 Acq: 1 Dec 2023 8:43 am

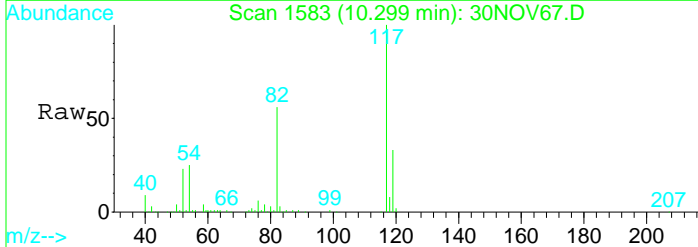
Tgt Ion	Resp	Lower	Upper
98	521445		
100	66.7	47.5	88.1
70	11.2	8.1	15.1



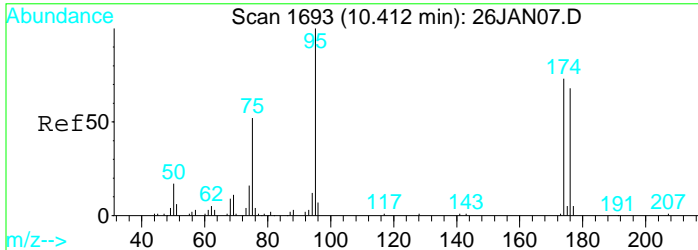
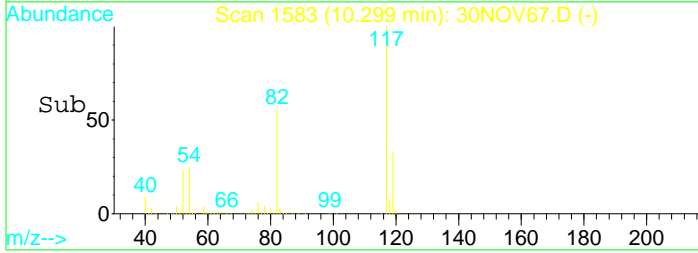
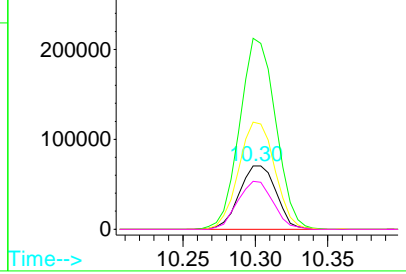


#41
 Chlorobenzene d5 IS#3
 Concen: 10.00 ug/L
 RT: 10.30 min Scan# 1583
 Delta R.T. -0.01 min
 Lab File: 30NOV67.D
 Acq: 1 Dec 2023 8:43 am

Tgt Ion	Resp	Lower	Upper
119	124775		
117	294.3	215.3	399.8
82	166.2	121.5	225.7
54	72.6	52.1	96.9

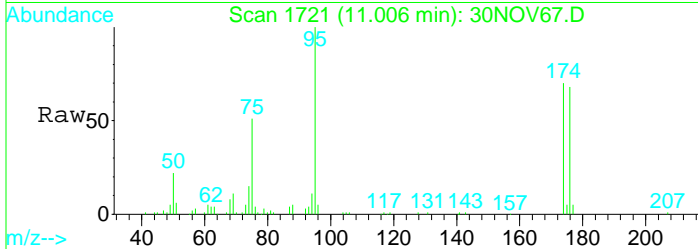


Abundance Ion 119.00 (118.50 to 119.50):
 Ion 117.00 (116.50 to 117.50):
 Ion 82.10 (81.60 to 82.60): 30
 Ion 54.10 (53.60 to 54.60): 30

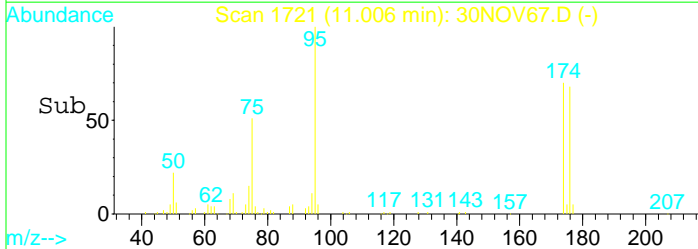
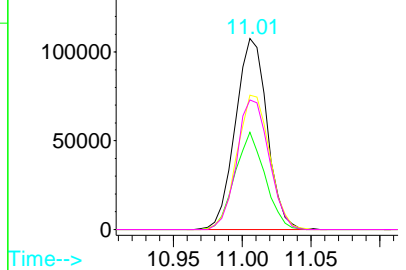


#51
 Bromofluorobenzene SMC#3
 Concen: Below ug/L
 RT: 11.01 min Scan# 1721
 Delta R.T. 0.00 min
 Lab File: 30NOV67.D
 Acq: 1 Dec 2023 8:43 am

Tgt Ion	Resp	Lower	Upper
95	172584		
75	48.4	32.5	60.3
174	72.3	50.4	93.6
176	69.1	49.4	91.8



Abundance Ion 95.00 (94.50 to 95.50): 30
 Ion 75.00 (74.50 to 75.50): 30
 Ion 173.90 (173.40 to 174.40):
 Ion 175.90 (175.40 to 176.40):



Data File : D:\DATA\NOV2023C\NOV30\30NOV67.D
 Acq On : 1 Dec 2023 8:43 am
 Sample : 2322252-12
 Misc : 1 ;25ML;pH<2

Vial: 67
 Operator: MGC
 Inst : MS-V5
 Multiplr: 1.00

MS Integration Params: rteint.p

Quant Time: Dec 1 11:54 2023

Quant Results File: 82605CX.RES

Quant Method : C:\HPCHEM\1...\82605CX.M (RTE Integrator)

Title : EPA Method 8260C/DX
 Last Update : Fri Dec 01 08:39:53 2023
 Response via : Initial Calibration
 DataAcq Meth : 82605

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene IS#1	7.50	137	51850	10.00	ug/L	0.00
29) 1,4-Difluorobenzene IS#2	8.19	63	101558	10.00	ug/L	0.00
36) Chlorobenzene d5 IS#3	10.30	119	124775	10.00	ug/L	0.00

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) tert-butyl alcohol (TBA)	5.30	59	12040	25.20	ug/L	100

Data File : D:\DATA\NOV2023C\NOV30\30NOV67.D

Vial: 67

Acq On : 1 Dec 2023 8:43 am

Operator: MGC

Sample : 2322252-12

Inst : MS-V5

Misc : 1 ;25ML;pH<2

Multiplr: 1.00

MS Integration Params: rteint.p

Quant Time: Dec 1 11:54 2023

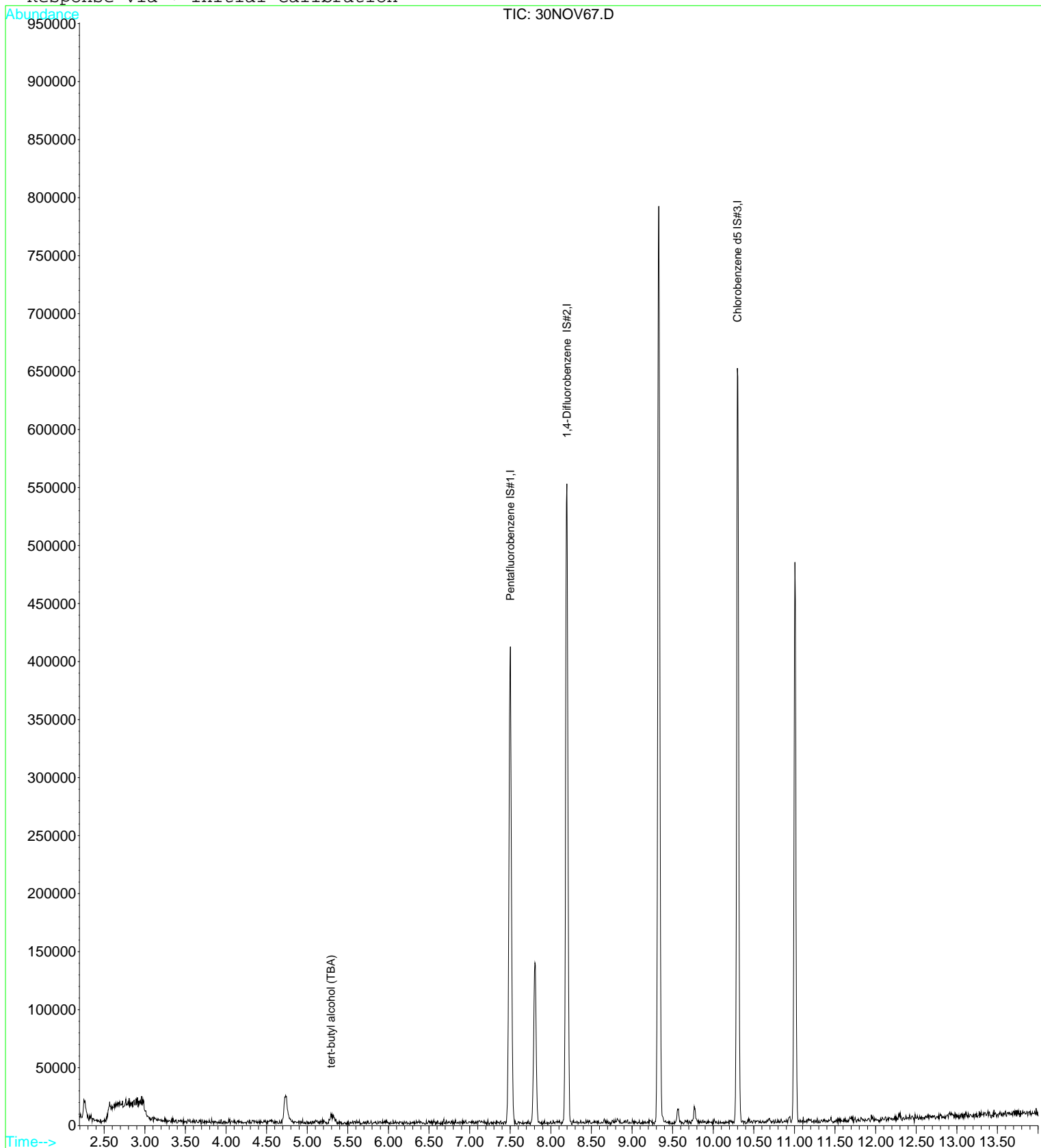
Quant Results File: 82605CX.RES

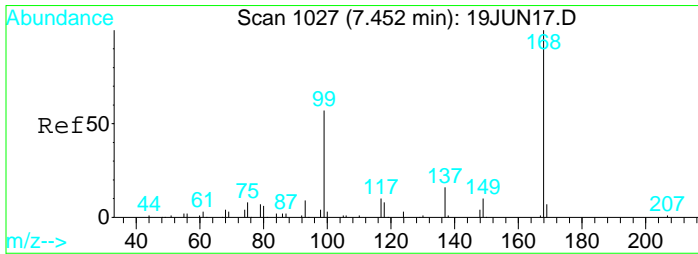
Method : C:\HPCHEM\1\METHODS\C\202311\26-1336\82605CX.M (RTE Integrator)

Title : EPA Method 8260C/DX

Last Update : Fri Dec 01 08:39:53 2023

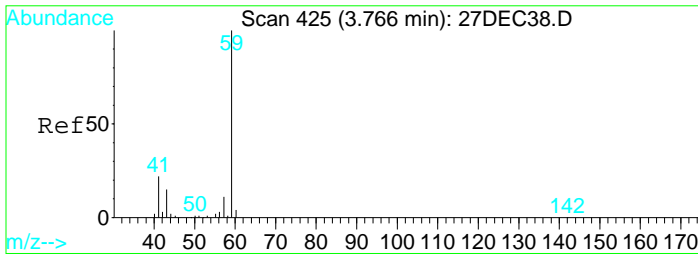
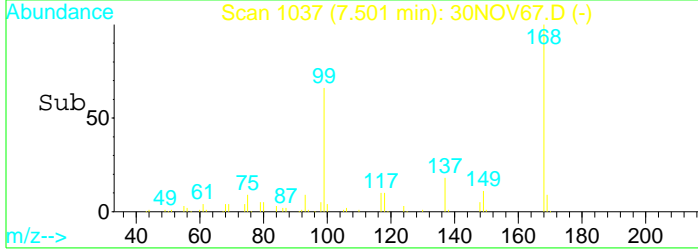
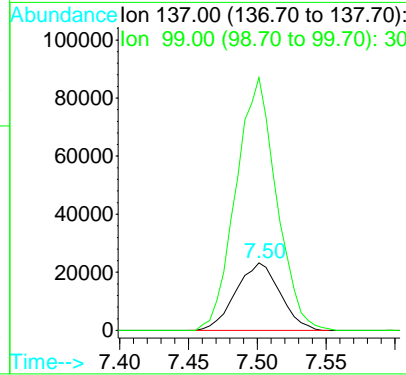
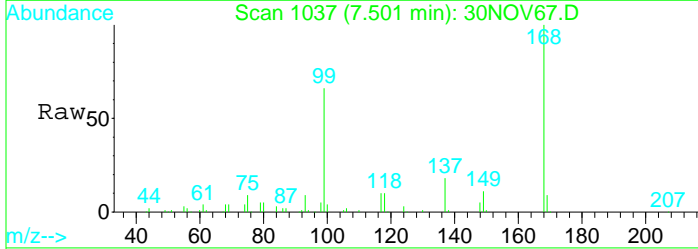
Response via : Initial Calibration





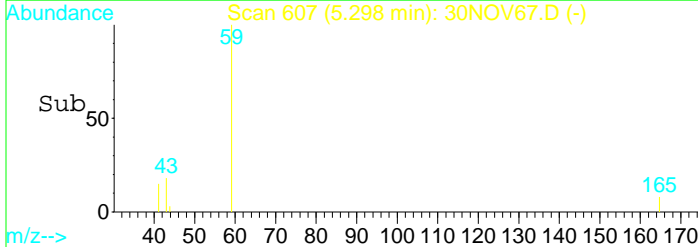
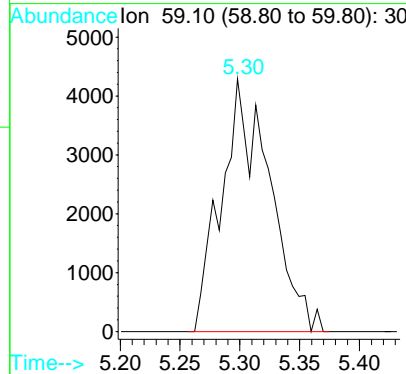
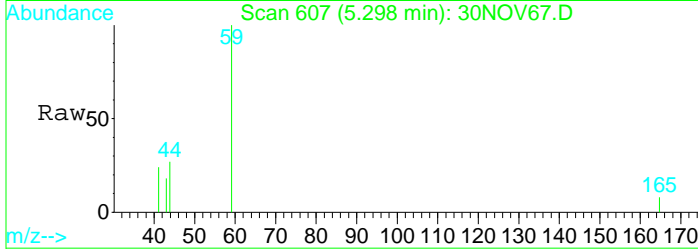
#1
 Pentafluorobenzene IS#1
 Concen: 10.00 ug/L
 RT: 7.50 min Scan# 1037
 Delta R.T. 0.00 min
 Lab File: 30NOV67.D
 Acq: 1 Dec 2023 8:43 am

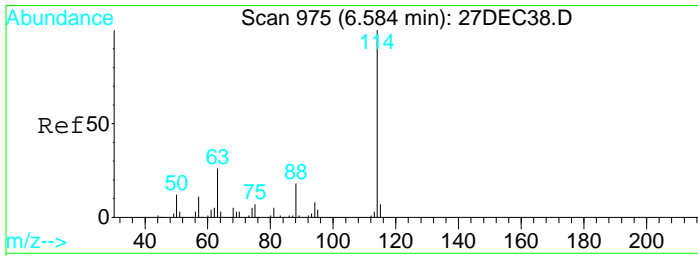
Tgt Ion:137 Resp: 51850
 Ion Ratio Lower Upper
 137 100
 99 344.7 235.9 438.1



#9
 tert-butyl alcohol (TBA)
 Concen: 25.20 ug/L
 RT: 5.30 min Scan# 607
 Delta R.T. -0.01 min
 Lab File: 30NOV67.D
 Acq: 1 Dec 2023 8:43 am

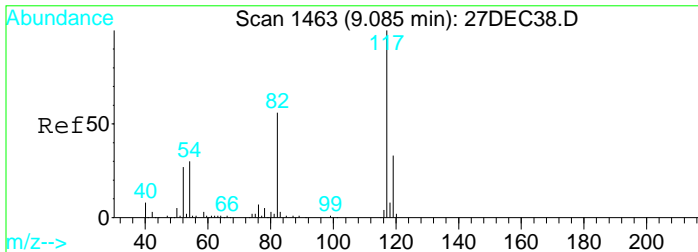
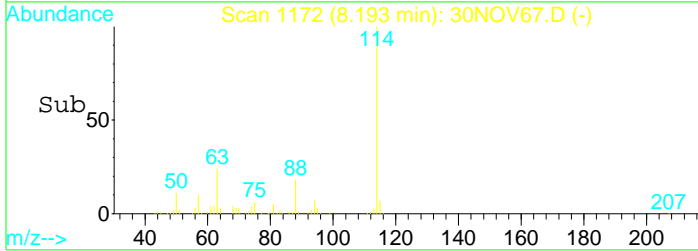
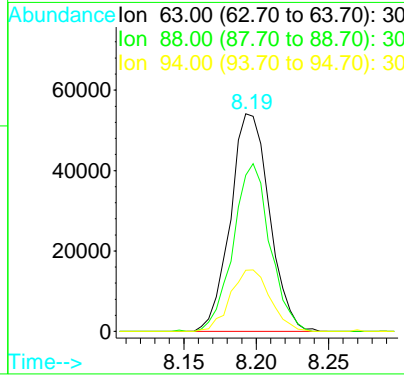
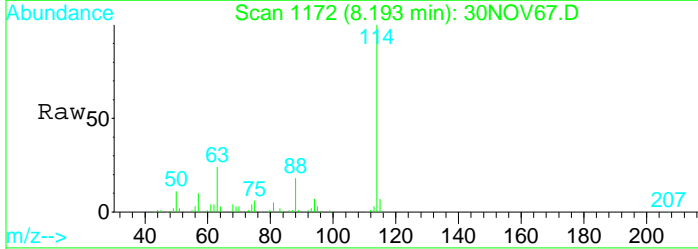
Tgt Ion: 59 Resp: 12040





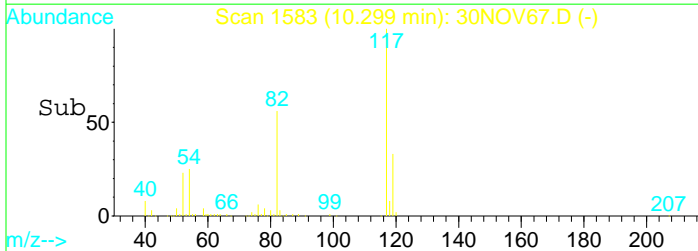
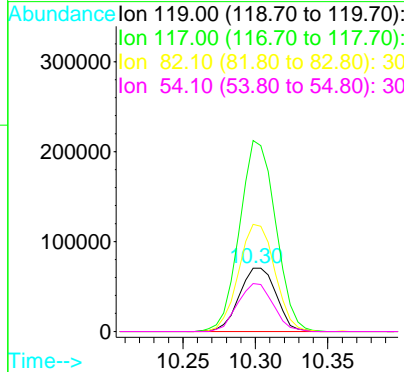
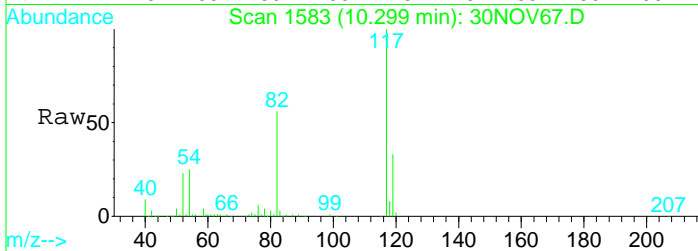
#29
 1,4-Difluorobenzene IS#2
 Concen: 10.00 ug/L
 RT: 8.19 min Scan# 1172
 Delta R.T. -0.01 min
 Lab File: 30NOV67.D
 Acq: 1 Dec 2023 8:43 am

Tgt Ion	Resp	Lower	Upper
63	101558		
88	72.7	51.3	95.3
94	28.8	19.7	36.5



#36
 Chlorobenzene d5 IS#3
 Concen: 10.00 ug/L
 RT: 10.30 min Scan# 1583
 Delta R.T. -0.01 min
 Lab File: 30NOV67.D
 Acq: 1 Dec 2023 8:43 am

Tgt Ion	Resp	Lower	Upper
119	124775		
117	294.3	215.3	399.9
82	166.2	119.8	222.4
54	72.6	50.5	93.9



Data File : D:\DATA\NOV2023C\NOV30\30NOV68.D
 Acq On : 1 Dec 2023 9:07 am
 Sample : 2322252-13
 Misc : 1 ;25ML;pH<2

Vial: 68
 Operator: MGC
 Inst : MS-V5
 Multiplr: 1.00

MS Integration Params: rteint.p
 Quant Time: Dec 1 11:54 2023

Quant Results File: 82605C.RES

Quant Method : C:\HPCHEM\1...\82605C.M (RTE Integrator)
 Title : EPA Method 8260C/D
 Last Update : Thu Nov 30 12:10:48 2023
 Response via : Initial Calibration
 DataAcq Meth : 82605

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene IS#1	7.50	137	50444	10.00	ug/L	0.00
26) 1,4-Difluorobenzene IS#2	8.19	63	103017	10.00	ug/L	0.00
41) Chlorobenzene d5 IS#3	10.30	119	117182	10.00	ug/L	0.00

System Monitoring Compounds

23) 1,2-dichloroethane d4 SMC	7.80	65	110019	11.06	ug/L	0.00
Spiked Amount	10.000	Range	75 - 125	Recovery	=	110.60%
33) Toluene d8 SMC#2	9.33	98	514356	9.72	ug/L	0.00
Spiked Amount	10.000	Range	80 - 120	Recovery	=	97.20%
51) Bromofluorobenzene SMC#3	11.01	95	171925	10.19	ug/L	0.00
Spiked Amount	10.000	Range	80 - 120	Recovery	=	101.90%

Target Compounds

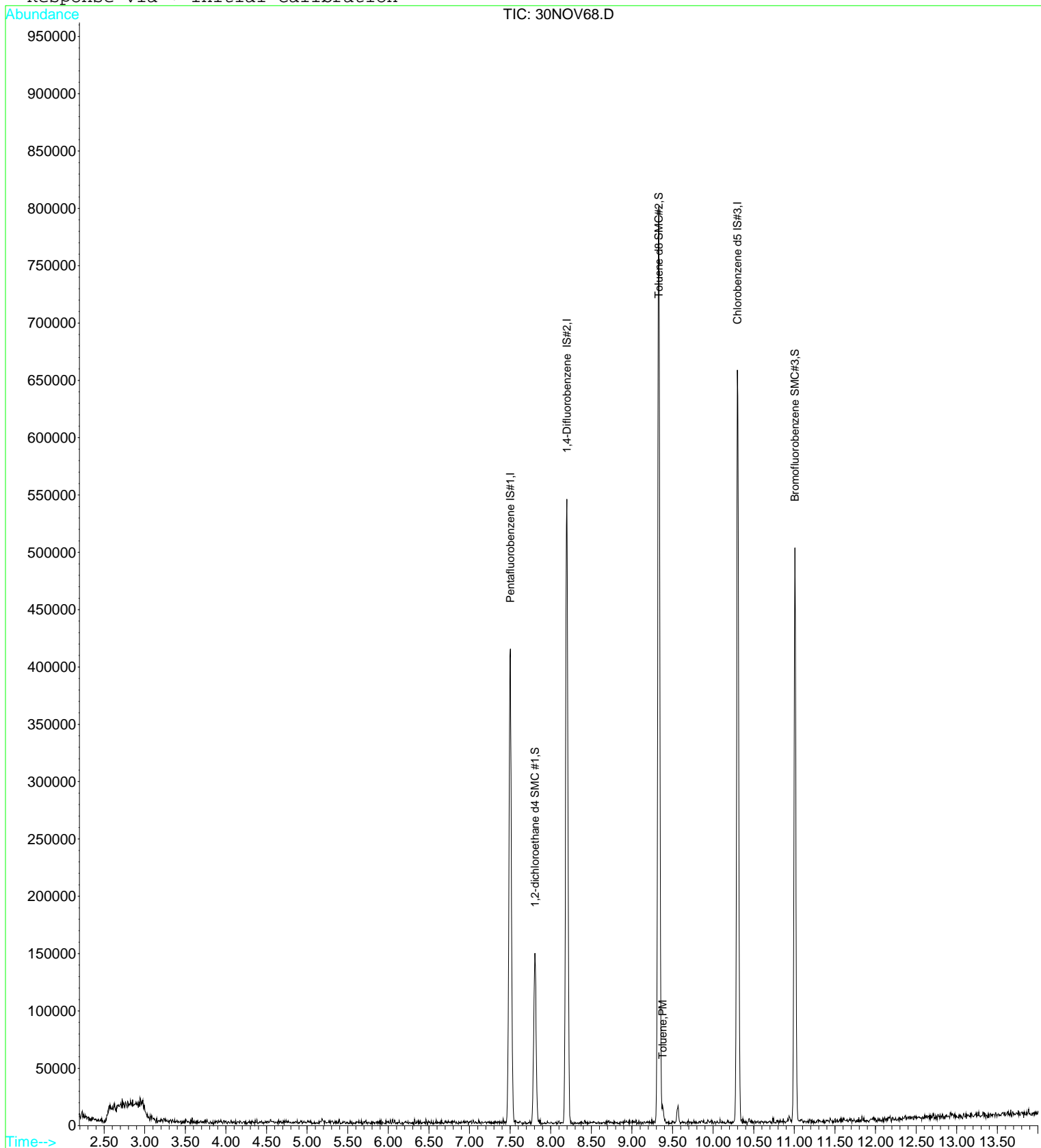
34) Toluene	9.38	92	6484	0.17	ug/L	Qvalue # 98
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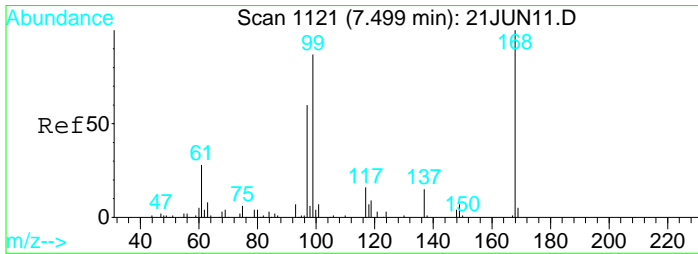
Data File : D:\DATA\NOV2023C\NOV30\30NOV68.D
Acq On : 1 Dec 2023 9:07 am
Sample : 2322252-13
Misc : 1 ;25ML;pH<2
MS Integration Params: rteint.p
Quant Time: Dec 1 11:54 2023

Vial: 68
Operator: MGC
Inst : MS-V5
Multiplr: 1.00

Quant Results File: 82605C.RES

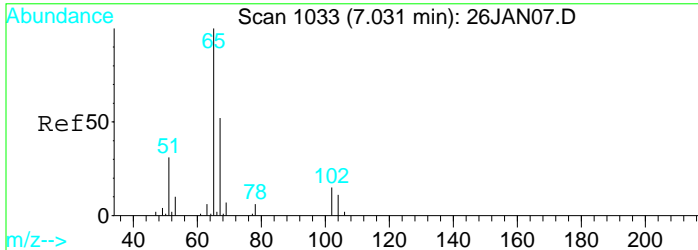
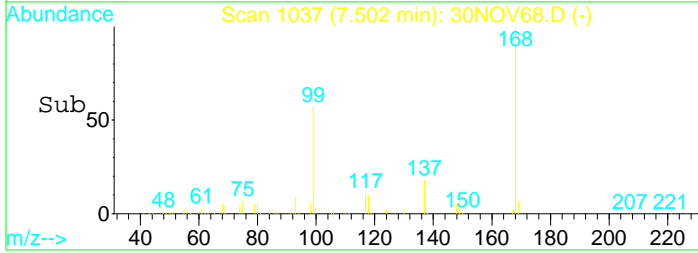
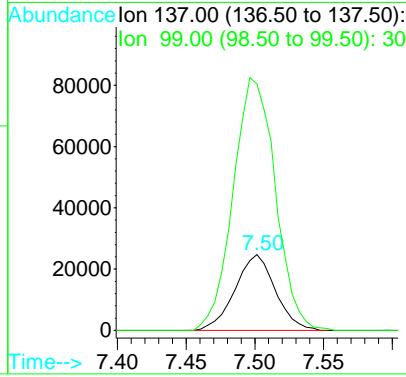
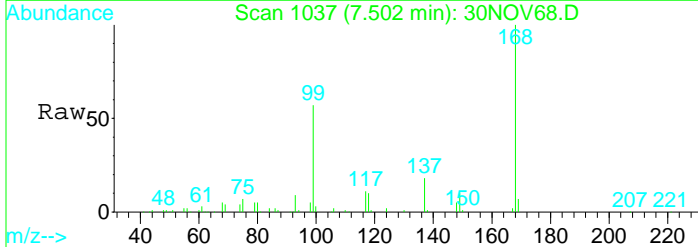
Method : C:\HPCHEM\1\METHODS\C\202311\26-0912\82605C.M (RTE Integrator)
Title : EPA Method 8260C/D
Last Update : Thu Nov 30 12:10:48 2023
Response via : Initial Calibration





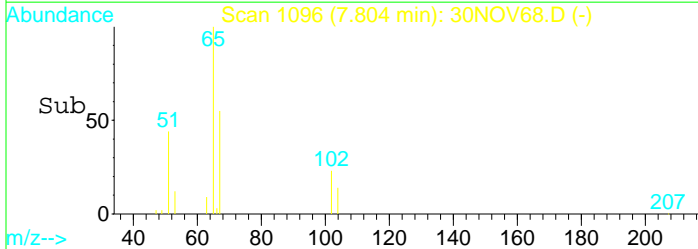
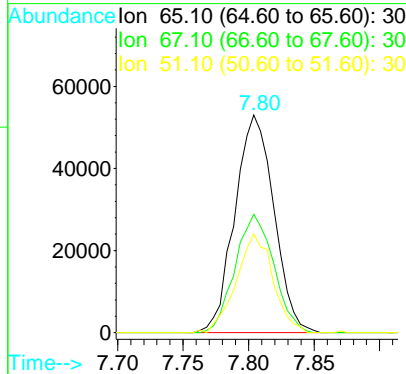
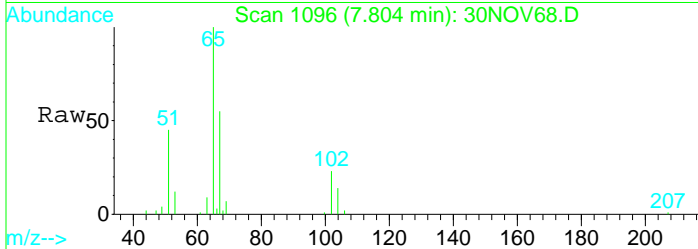
#1
 Pentafluorobenzene IS#1
 Concen: 10.00 ug/L
 RT: 7.50 min Scan# 1037
 Delta R.T. 0.00 min
 Lab File: 30NOV68.D
 Acq: 1 Dec 2023 9:07 am

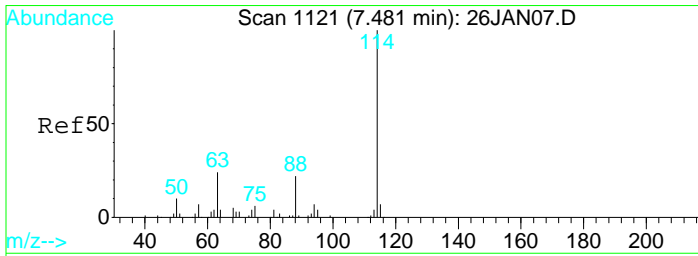
Tgt Ion	Resp	Lower	Upper
137	100		
99	349.1	475.5	883.1#



#23
 1,2-dichloroethane d4 SMC #1
 Concen: N.D. ug/L
 RT: 7.80 min Scan# 1096
 Delta R.T. 0.00 min
 Lab File: 30NOV68.D
 Acq: 1 Dec 2023 9:07 am

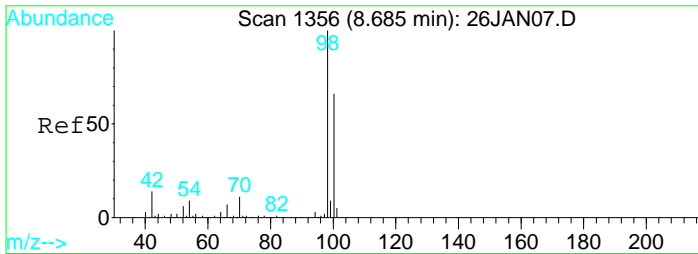
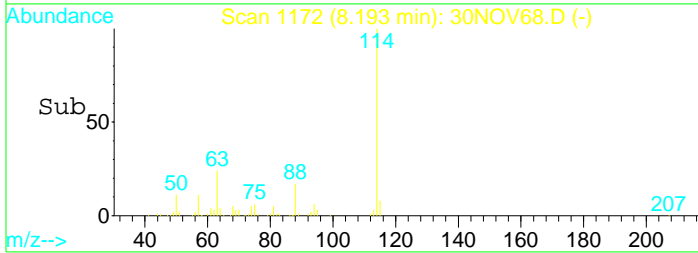
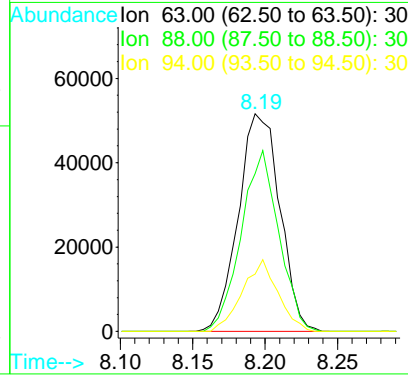
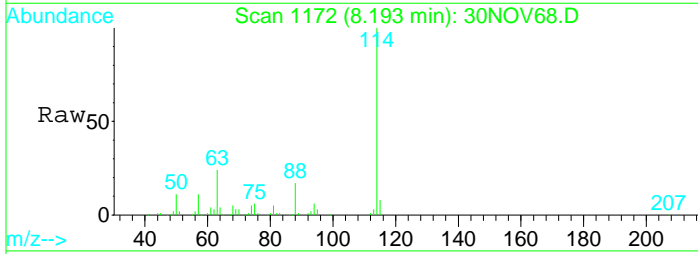
Tgt Ion	Resp	Lower	Upper
65	100		
67	53.8	35.2	65.4
51	42.5	119.7	222.3#





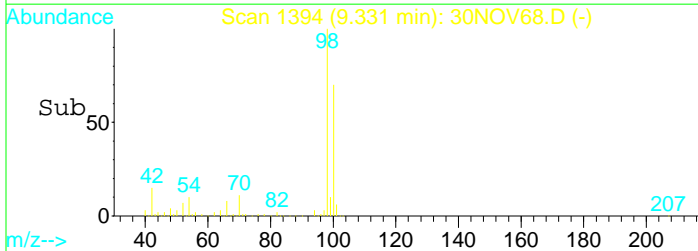
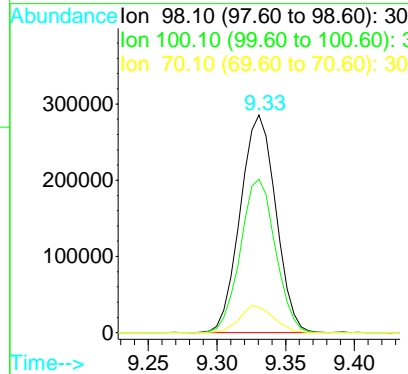
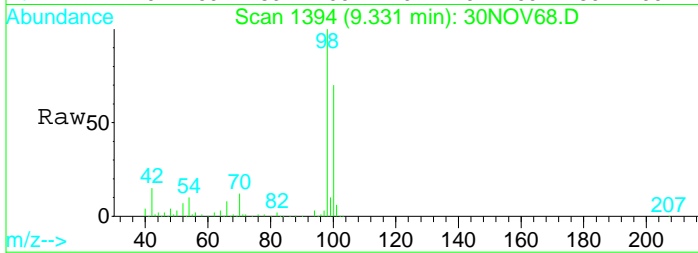
#26
 1,4-Difluorobenzene IS#2
 Concen: 10.00 ug/L
 RT: 8.19 min Scan# 1172
 Delta R.T. -0.00 min
 Lab File: 30NOV68.D
 Acq: 1 Dec 2023 9:07 am

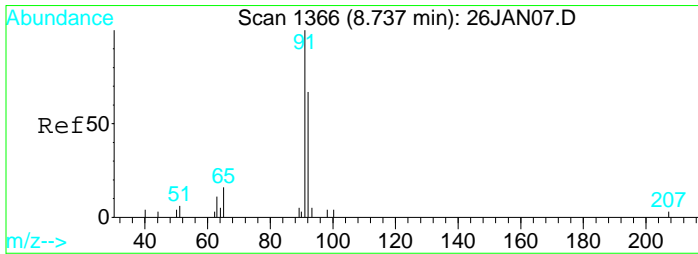
Tgt Ion	Resp	Lower	Upper
63	103017		
63	100		
88	75.0	54.5	101.1
94	28.1	19.7	36.7



#33
 Toluene d8 SMC#2
 Concen: N.D. ug/L
 RT: 9.33 min Scan# 1394
 Delta R.T. 0.00 min
 Lab File: 30NOV68.D
 Acq: 1 Dec 2023 9:07 am

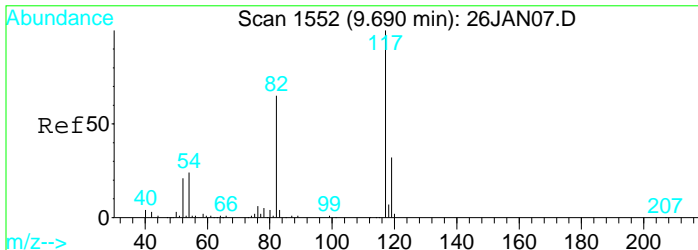
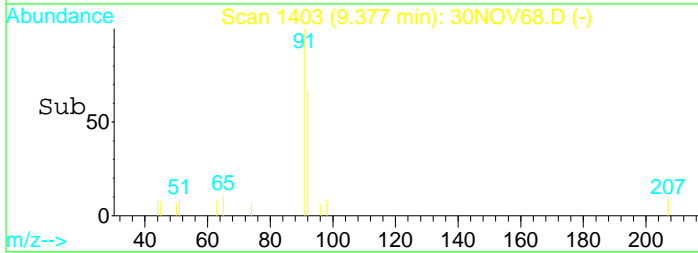
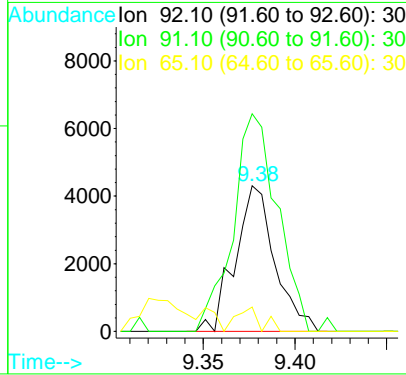
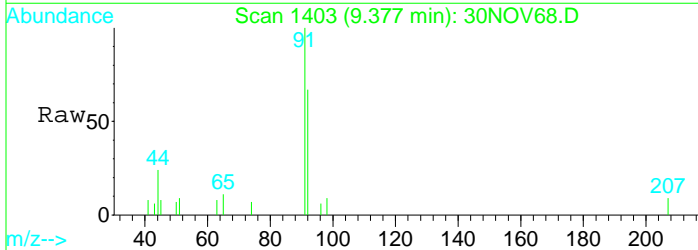
Tgt Ion	Resp	Lower	Upper
98	514356		
98	100		
100	69.1	47.5	88.1
70	11.8	8.1	15.1





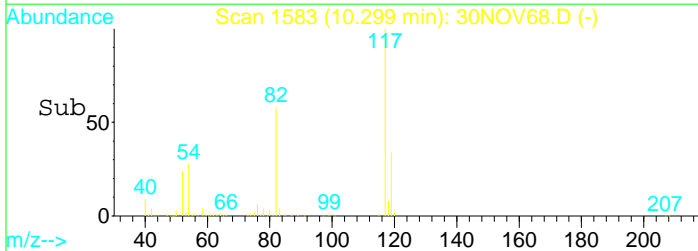
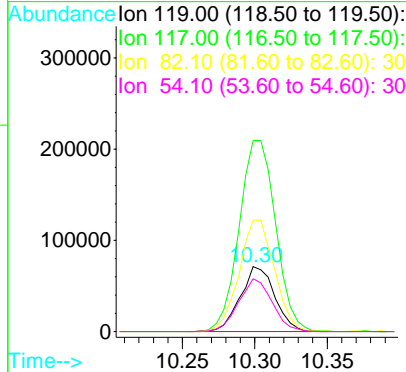
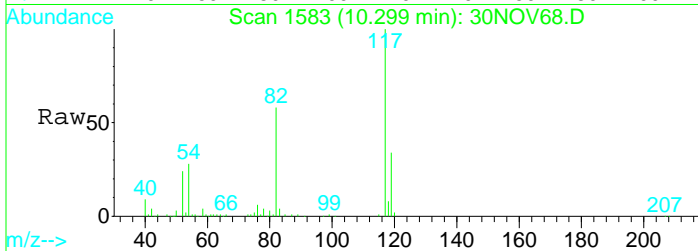
#34
 Toluene
 Concen: 0.17 ug/L
 RT: 9.38 min Scan# 1403
 Delta R.T. 0.00 min
 Lab File: 30NOV68.D
 Acq: 1 Dec 2023 9:07 am

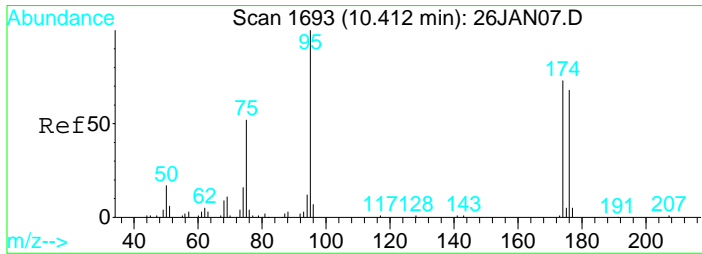
Tgt Ion	Resp	Lower	Upper
92	6484		
91	166.5	116.6	216.6
65	10.2	13.8	25.6#



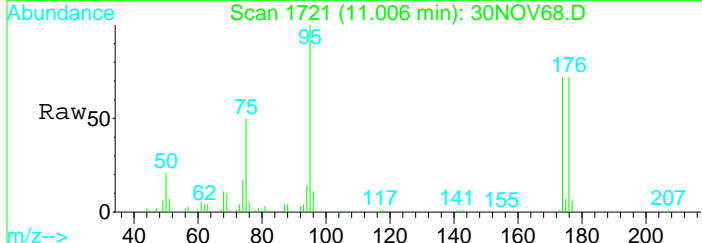
#41
 Chlorobenzene d5 IS#3
 Concen: 10.00 ug/L
 RT: 10.30 min Scan# 1583
 Delta R.T. -0.00 min
 Lab File: 30NOV68.D
 Acq: 1 Dec 2023 9:07 am

Tgt Ion	Resp	Lower	Upper
119	117182		
117	312.1	215.3	399.8
82	176.3	121.5	225.7
54	79.3	52.1	96.9



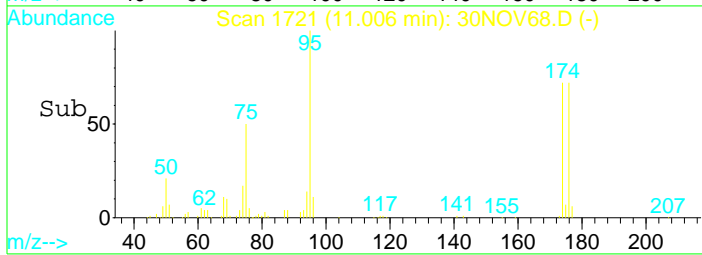


#51
 Bromofluorobenzene SMC#3
 Concen: N.D. ug/L
 RT: 11.01 min Scan# 1721
 Delta R.T. 0.00 min
 Lab File: 30NOV68.D
 Acq: 1 Dec 2023 9:07 am

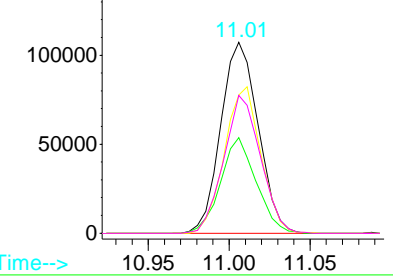


Tgt Ion: 95 Resp: 171925

Ion	Ratio	Lower	Upper
95	100		
75	47.7	32.5	60.3
174	74.6	50.4	93.6
176	70.8	49.4	91.8



Abundance Ion 95.00 (94.50 to 95.50): 30
 Ion 75.00 (74.50 to 75.50): 30
 Ion 173.90 (173.40 to 174.40):
 Ion 175.90 (175.40 to 176.40):



Data File : D:\DATA\NOV2023C\NOV30\30NOV68.D
 Acq On : 1 Dec 2023 9:07 am
 Sample : 2322252-13
 Misc : 1 ;25ML;pH<2

Vial: 68
 Operator: MGC
 Inst : MS-V5
 Multiplr: 1.00

MS Integration Params: rteint.p
 Quant Time: Dec 1 11:55 2023

Quant Results File: 82605CX.RES

Quant Method : C:\HPCHEM\1...\82605CX.M (RTE Integrator)
 Title : EPA Method 8260C/DX
 Last Update : Fri Dec 01 08:39:53 2023
 Response via : Initial Calibration
 DataAcq Meth : 82605

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene IS#1	7.50	137	50444	10.00	ug/L	0.00
29) 1,4-Difluorobenzene IS#2	8.19	63	103017	10.00	ug/L	0.00
36) Chlorobenzene d5 IS#3	10.30	119	117182	10.00	ug/L	0.00

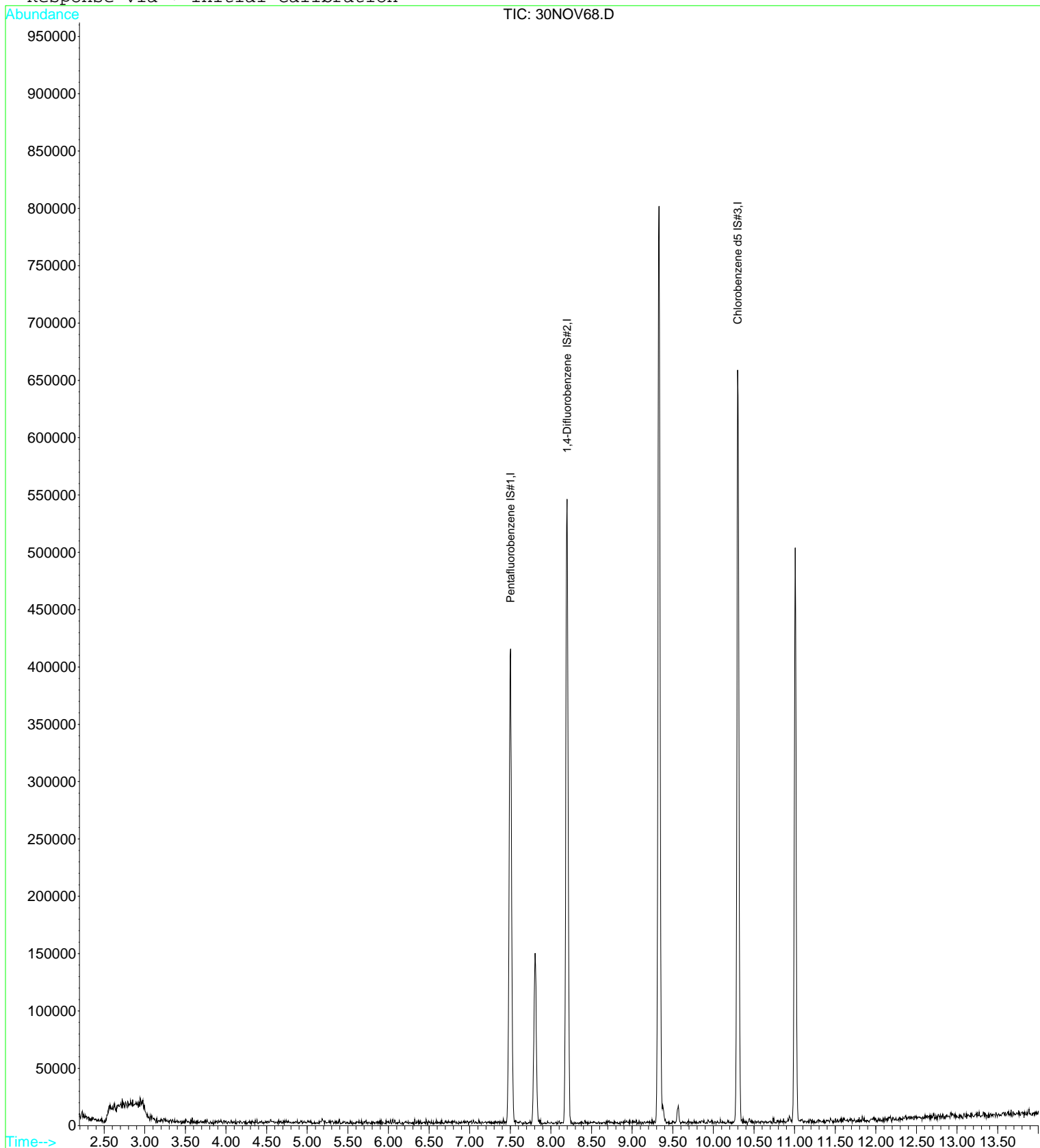
Target Compounds Qvalue

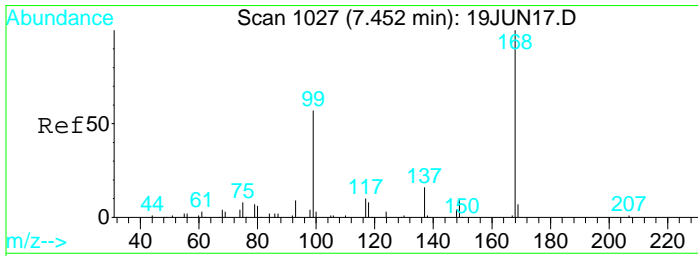
Data File : D:\DATA\NOV2023C\NOV30\30NOV68.D
Acq On : 1 Dec 2023 9:07 am
Sample : 2322252-13
Misc : 1 ;25ML;pH<2
MS Integration Params: rteint.p
Quant Time: Dec 1 11:55 2023

Vial: 68
Operator: MGC
Inst : MS-V5
Multiplr: 1.00

Quant Results File: 82605CX.RES

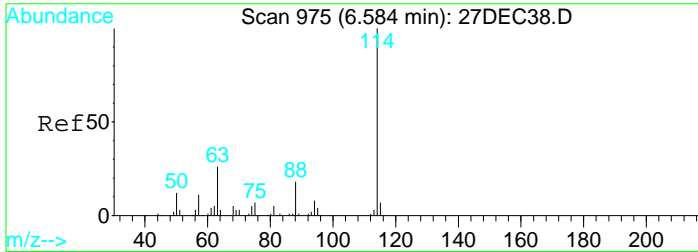
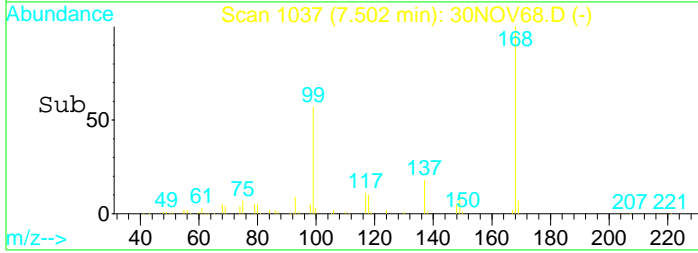
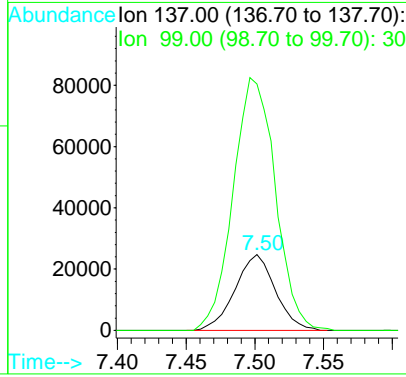
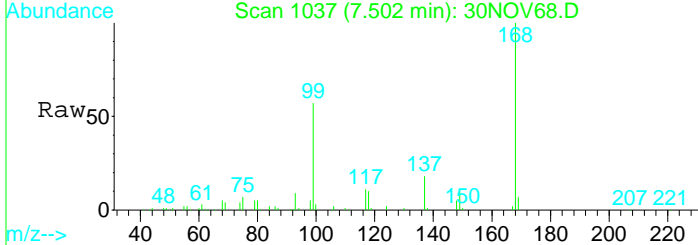
Method : C:\HPCHEM\1\METHODS\C\202311\26-1336\82605CX.M (RTE Integrator)
Title : EPA Method 8260C/DX
Last Update : Fri Dec 01 08:39:53 2023
Response via : Initial Calibration





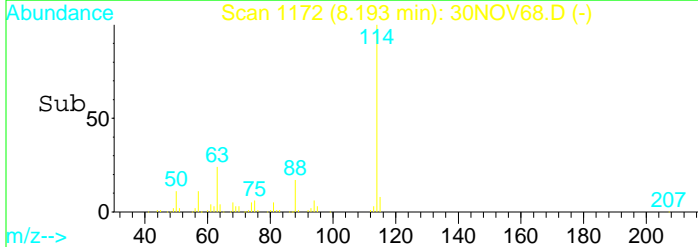
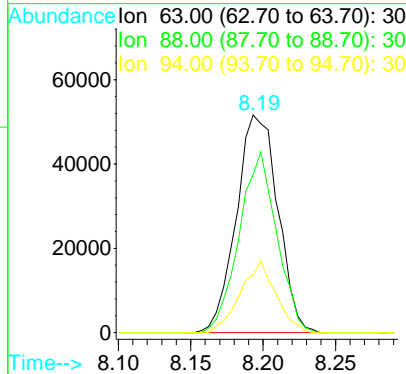
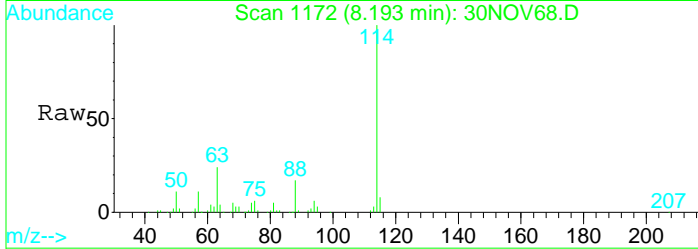
#1
 Pentafluorobenzene IS#1
 Concen: 10.00 ug/L
 RT: 7.50 min Scan# 1037
 Delta R.T. 0.01 min
 Lab File: 30NOV68.D
 Acq: 1 Dec 2023 9:07 am

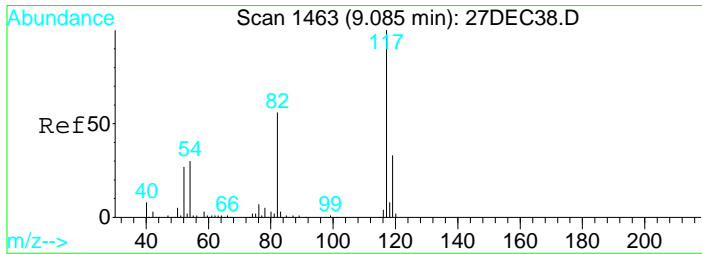
Tgt Ion	Resp	Lower	Upper
137	100		
99	349.1	235.9	438.1



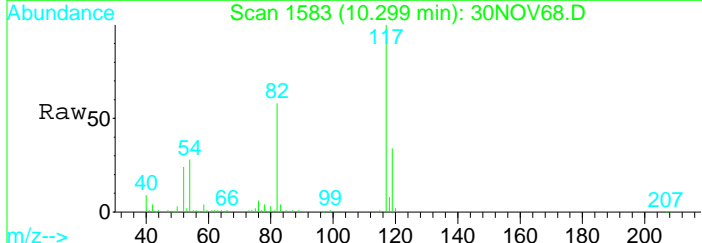
#29
 1,4-Difluorobenzene IS#2
 Concen: 10.00 ug/L
 RT: 8.19 min Scan# 1172
 Delta R.T. -0.00 min
 Lab File: 30NOV68.D
 Acq: 1 Dec 2023 9:07 am

Tgt Ion	Resp	Lower	Upper
63	100		
88	75.0	51.3	95.3
94	28.1	19.7	36.5



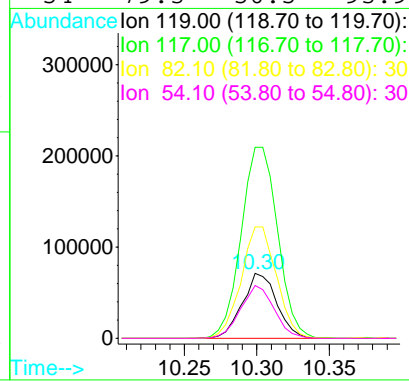
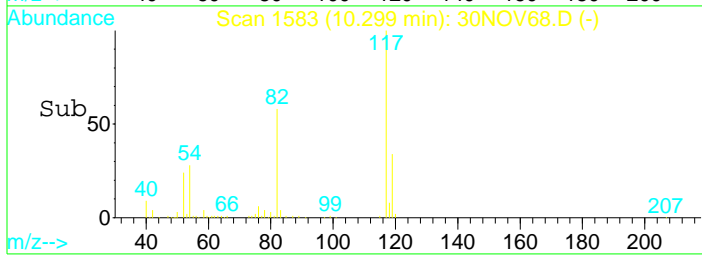


#36
 Chlorobenzene d5 IS#3
 Concen: 10.00 ug/L
 RT: 10.30 min Scan# 1583
 Delta R.T. -0.00 min
 Lab File: 30NOV68.D
 Acq: 1 Dec 2023 9:07 am



Tgt Ion:119 Resp: 117182

Ion	Ratio	Lower	Upper
119	100		
117	312.1	215.3	399.9
82	176.3	119.8	222.4
54	79.3	50.5	93.9



Raw Data - Calibration Standards

Data File : D:\DATA\NOV2023C\NOV26\26NOV07.D
 Acq On : 26 Nov 2023 7:32 am
 Sample : 2317504-CAL1
 Misc : 1 ;3K26001;25ML
 MS Integration Params: rteint.p
 Quant Time: Nov 30 11:46 2023

Vial: 7
 Operator: MGC
 Inst : MS-V5
 Multiplr: 1.00

Quant Results File: 82605C.RES

Quant Method : C:\HPCHEM\1...\82605C.M (RTE Integrator)
 Title : EPA Method 8260C/D
 Last Update : Sun Oct 29 10:40:39 2023
 Response via : Initial Calibration
 DataAcq Meth : 82605

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene IS#1	7.50	137	48388	10.00	ug/L	0.00
26) 1,4-Difluorobenzene IS#2	8.19	63	93338	10.00	ug/L	0.00
41) Chlorobenzene d5 IS#3	10.30	119	111826	10.00	ug/L	0.00

System Monitoring Compounds

23) 1,2-dichloroethane d4 SMC	7.80	65	89902	11.73	ug/L	0.00
Spiked Amount	10.000	Range	75 - 125	Recovery	=	117.30%
33) Toluene d8 SMC#2	9.33	98	476049	8.85	ug/L	0.00
Spiked Amount	10.000	Range	80 - 120	Recovery	=	88.50%
51) Bromofluorobenzene SMC#3	11.01	95	157998	10.98	ug/L	0.00
Spiked Amount	10.000	Range	80 - 120	Recovery	=	109.80%

Target Compounds

	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.30	85	7884	0.44	ug/L	93
3) Chlorodifluoromethane	2.33	51	10757	0.59	ug/L #	6
4) Chloromethane	2.55	50	15498	0.74	ug/L	94
5) Vinyl chloride	2.72	62	11944	0.59	ug/L	100
6) Bromomethane	3.22	94	5989	0.53	ug/L #	82
7) Chloroethane	3.38	64	6549	0.58	ug/L	90
8) Dichlorofluoromethane	3.70	67	14701	0.62	ug/L	92
9) Trichlorofluoromethane	3.75	101	11229	0.49	ug/L	93
10) 1,1,2-Trichloro-1,2,2-trif	4.50	101	5774	0.42	ug/L	94
11) 1,1-Dichloroethene	4.49	61	12759	0.58	ug/L	97
12) Methylene chloride	5.19	84	14089	1.06	ug/L	92
13) MTBE	5.54	73	14889	0.90	ug/L	94
14) T-1,2-dichloroethene	5.57	96	8757	0.57	ug/L	92
15) 1,1-Dichloroethane	6.22	63	15943	0.64	ug/L	98
16) 2,2-Dichloropropane	6.96	77	14869	0.66	ug/L	95
17) Cis-1,2-dichloroethene	6.95	96	8860	0.60	ug/L	95
18) Bromochloromethane	7.21	128	2688	0.55	ug/L	84
19) Chloroform	7.32	83	14363	0.66	ug/L	100
20) 1,1,1-Trichloroethane	7.50	97	13123	0.57	ug/L #	1
21) 1,1-Dichloropropene	7.64	75	11290	0.60	ug/L	88
22) Carbon tetrachloride	7.65	119	10182	0.52	ug/L	93
24) 1,2-Dichloroethane	7.87	62	6838	0.72	ug/L #	91
25) Benzene	7.83	78	30471	0.58	ug/L #	1
27) Trichloroethene	8.40	130	7805	0.43	ug/L	93
28) 1,2-Dichloropropane	8.61	63	7383	0.56	ug/L #	87
29) Dibromomethane	8.67	93	2330	0.50	ug/L	80
30) Bromodichloromethane	8.80	83	8390	0.56	ug/L	96
31) 2-ceve	9.00	63	9789	2.30	ug/L #	72
32) Cis-1,3-dichloropropene	9.13	75	11133	0.63	ug/L	91
34) Toluene	9.38	92	19698	0.50	ug/L	91
35) Trans-1,3-dichloropropene	9.52	75	8056	0.63	ug/L	97
36) 1,1,2-Trichloroethane	9.66	97	4339	0.63	ug/L #	83
37) Tetrachloroethene (PCE)	9.74	166	7558	0.41	ug/L #	90
38) 1,3-Dichloropropane	9.78	76	6381	0.55	ug/L	86
39) Dibromochloromethane	9.92	129	4845	0.52	ug/L	97
40) 1,2-Dibromoethane	10.01	107	3431	0.52	ug/L	99
42) Chlorobenzene	10.32	112	18254	0.56	ug/L #	72
43) 1,1,1,2-Tetrachloroethane	10.37	131	6375	0.57	ug/L	98
44) Ethylbenzene	10.36	106	11657	0.57	ug/L	48
45) P+m-Xylene	10.44	106	27654	1.17	ug/L	89
46) O-Xylene	10.68	106	12414	0.54	ug/L #	70
47) Styrene	10.69	104	19773	0.59	ug/L #	87
48) Bromoform	10.82	173	1787	0.48	ug/L	96
49) Isopropylbenzene	10.89	105	36658	0.61	ug/L	96
50) 1,1,2,2-Tetrachloroethane	11.06	83	4366	0.86	ug/L	96

(#) = qualifier out of range (m) = manual integration
 26NOV07.D 82605C.M Thu Nov 30 11:47:35 2023

Data File : D:\DATA\NOV2023C\NOV26\26NOV07.D
 Acq On : 26 Nov 2023 7:32 am
 Sample : 2317504-CAL1
 Misc : 1 ;3K26001;25ML
 MS Integration Params: rteint.p
 Quant Time: Nov 30 11:46 2023

Vial: 7
 Operator: MGC
 Inst : MS-V5
 Multiplr: 1.00

Quant Results File: 82605C.RES

Quant Method : C:\HPCHEM\1...\82605C.M (RTE Integrator)
 Title : EPA Method 8260C/D
 Last Update : Sun Oct 29 10:40:39 2023
 Response via : Initial Calibration
 DataAcq Meth : 82605

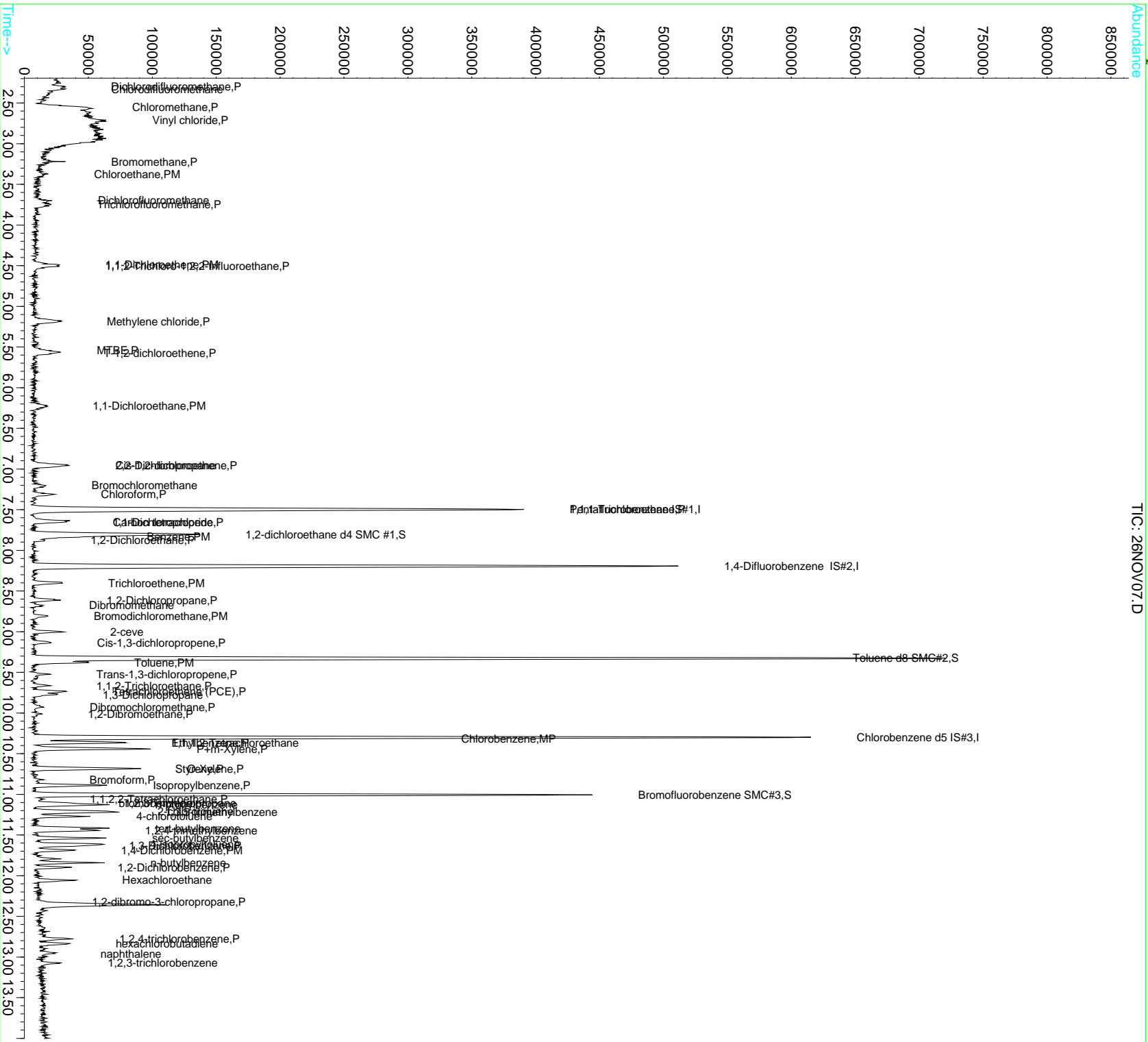
Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
52) 1,2,3-Trichloropropane	11.11	110	694	0.46	ug/L	86
53) n-propylbenzene	11.13	91	43187	0.52	ug/L	93
54) bromobenzene	11.10	156	5665	0.47	ug/L #	64
55) 1,3,5-trimethylbenzene	11.22	105	28710	0.60	ug/L	97
56) 2-chlorotoluene	11.21	91	28241	0.66	ug/L	92
57) 4-chlorotoluene	11.27	91	23918	0.63	ug/L	93
58) tert-butylbenzene	11.42	119	29444	0.56	ug/L	95
59) 1,2,4-trimethylbenzene	11.44	105	27717	0.61	ug/L	96
60) sec-butylbenzene	11.54	105	37505	0.58	ug/L	92
61) 4-isopropyltoluene	11.61	119	27654	0.53	ug/L	95
62) 1,3-Dichlorobenzene	11.64	146	13677	0.55	ug/L #	90
63) 1,4-Dichlorobenzene	11.69	146	13837	0.58	ug/L #	90
64) n-butylbenzene	11.84	91	26085	0.60	ug/L	97
65) 1,2-Dichlorobenzene	11.90	146	11430	0.56	ug/L #	87
66) Hexachloroethane	12.06	117	6348	0.59	ug/L	90
67) 1,2-dibromo-3-chloropropan	12.32	75	643	0.95	ug/L #	14
68) 1,2,4-trichlorobenzene	12.78	180	5760	0.44	ug/L	88
69) hexachlorobutadiene	12.84	225	3771	0.43	ug/L	92
70) naphthalene	12.96	128	9041	0.56	ug/L	100
71) 1,2,3-trichlorobenzene	13.08	180	5088	0.48	ug/L	95

Data File : D:\DATA\NOV2023C\NOV26\26NOV07.D
Acq On : 26 Nov 2023 7:32 am
Sample : 2317504-CAL1
Misc : 1 ; 3K26001;25ML
MS Integration Params: rteint.p
Quant Time: Nov 30 11:46 2023

Vial: 7
Operator: MGC
Inst : MS-V5
Multiplr: 1.00

Quant Results File: 82605C.RES

Method : C:\HPCHEM\1\METHODS\C\202311\26-0912\82605C.M (RTE Integrator)
Title : EPA Method 8260C/D
Last Update : Sun Oct 29 10:40:39 2023
Response via : Initial Calibration



TIC: 26NOV07.D

Data File : D:\DATA\NOV2023C\NOV26\26NOV08.D

Vial: 8

Acq On : 26 Nov 2023 7:56 am

Operator: MGC

Sample : 2317504-CAL2

Inst : MS-V5

Misc : 1 ; 3K26002;25ML

Multiplr: 1.00

MS Integration Params: rteint.p

Quant Time: Nov 30 11:47 2023

Quant Results File: 82605C.RES

Quant Method : C:\HPCHEM\1...\82605C.M (RTE Integrator)

Title : EPA Method 8260C/D

Last Update : Sun Oct 29 10:40:39 2023

Response via : Initial Calibration

DataAcq Meth : 82605

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene IS#1	7.50	137	47460	10.00	ug/L	0.00
26) 1,4-Difluorobenzene IS#2	8.20	63	95253	10.00	ug/L	0.00
41) Chlorobenzene d5 IS#3	10.30	119	112253	10.00	ug/L	0.00

System Monitoring Compounds

23) 1,2-dichloroethane d4 SMC	7.80	65	93368	12.42	ug/L	0.00
Spiked Amount	10.000	Range	75 - 125	Recovery	=	124.20%
33) Toluene d8 SMC#2	9.33	98	491533	8.95	ug/L	0.00
Spiked Amount	10.000	Range	80 - 120	Recovery	=	89.50%
51) Bromofluorobenzene SMC#3	11.01	95	158290	10.96	ug/L	0.00
Spiked Amount	10.000	Range	80 - 120	Recovery	=	109.60%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.30	85	19383	1.10	ug/L	93
3) Chlorodifluoromethane	2.32	51	21763	1.23	ug/L #	87
4) Chloromethane	2.56	50	29668	1.45	ug/L	97
5) Vinyl chloride	2.71	62	24901	1.26	ug/L	96
6) Bromomethane	3.22	94	12207	1.10	ug/L	97
7) Chloroethane	3.39	64	12824	1.16	ug/L	96
8) Dichlorofluoromethane	3.70	67	28986	1.26	ug/L #	73
9) Trichlorofluoromethane	3.75	101	26397	1.18	ug/L	98
10) 1,1,2-Trichloro-1,2,2-trif	4.50	101	14452	1.07	ug/L	94
11) 1,1-Dichloroethene	4.49	61	27966	1.30	ug/L	94
12) Methylene chloride	5.18	84	19070	1.56	ug/L #	81
13) MTBE	5.55	73	28791	1.77	ug/L	96
14) T-1,2-dichloroethene	5.56	96	17977	1.20	ug/L	94
15) 1,1-Dichloroethane	6.23	63	31747	1.29	ug/L	99
16) 2,2-Dichloropropane	6.96	77	28293	1.29	ug/L	95
17) Cis-1,2-dichloroethene	6.96	96	19178	1.33	ug/L	97
18) Bromochloromethane	7.21	128	6390	1.32	ug/L	90
19) Chloroform	7.31	83	29326	1.38	ug/L	96
20) 1,1,1-Trichloroethane	7.49	97	26282	1.17	ug/L #	1
21) 1,1-Dichloropropene	7.65	75	23286	1.26	ug/L	93
22) Carbon tetrachloride	7.64	119	20656	1.08	ug/L #	91
24) 1,2-Dichloroethane	7.88	62	13344	1.43	ug/L	91
25) Benzene	7.83	78	65778	1.27	ug/L #	38
27) Trichloroethene	8.40	130	16827	0.91	ug/L	88
28) 1,2-Dichloropropane	8.61	63	17016	1.26	ug/L	93
29) Dibromomethane	8.68	93	5927	1.23	ug/L	82
30) Bromodichloromethane	8.81	83	17787	1.16	ug/L #	97
31) 2-ceve	9.00	63	20288	4.67	ug/L	84
32) Cis-1,3-dichloropropene	9.13	75	21218	1.17	ug/L	95
34) Toluene	9.38	92	38890	0.97	ug/L	89
35) Trans-1,3-dichloropropene	9.52	75	17355	1.32	ug/L	90
36) 1,1,2-Trichloroethane	9.67	97	8848	1.26	ug/L	95
37) Tetrachloroethene (PCE)	9.73	166	16124	0.85	ug/L #	94
38) 1,3-Dichloropropane	9.77	76	13815	1.16	ug/L	99
39) Dibromochloromethane	9.93	129	9515	0.99	ug/L #	90
40) 1,2-Dibromoethane	10.01	107	8238	1.23	ug/L	88
42) Chlorobenzene	10.32	112	40322	1.22	ug/L	87
43) 1,1,1,2-Tetrachloroethane	10.37	131	13249	1.18	ug/L	97
44) Ethylbenzene	10.37	106	25368	1.23	ug/L #	41
45) P+m-Xylene	10.44	106	55407	2.34	ug/L	88
46) O-Xylene	10.68	106	27820	1.21	ug/L	87
47) Styrene	10.69	104	40684	1.22	ug/L	91
48) Bromoform	10.82	173	4280	1.15	ug/L	99
49) Isopropylbenzene	10.89	105	74549	1.24	ug/L	95
50) 1,1,2,2-Tetrachloroethane	11.06	83	6982	1.36	ug/L	95

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

26NOV08.D 82605C.M

Thu Nov 30 11:48:15 2023

Data File : D:\DATA\NOV2023C\NOV26\26NOV08.D
 Acq On : 26 Nov 2023 7:56 am
 Sample : 2317504-CAL2
 Misc : 1 ;3K26002;25ML
 MS Integration Params: rteint.p
 Quant Time: Nov 30 11:47 2023

Vial: 8
 Operator: MGC
 Inst : MS-V5
 Multiplr: 1.00

Quant Results File: 82605C.RES

Quant Method : C:\HPCHEM\1...\82605C.M (RTE Integrator)
 Title : EPA Method 8260C/D
 Last Update : Sun Oct 29 10:40:39 2023
 Response via : Initial Calibration
 DataAcq Meth : 82605

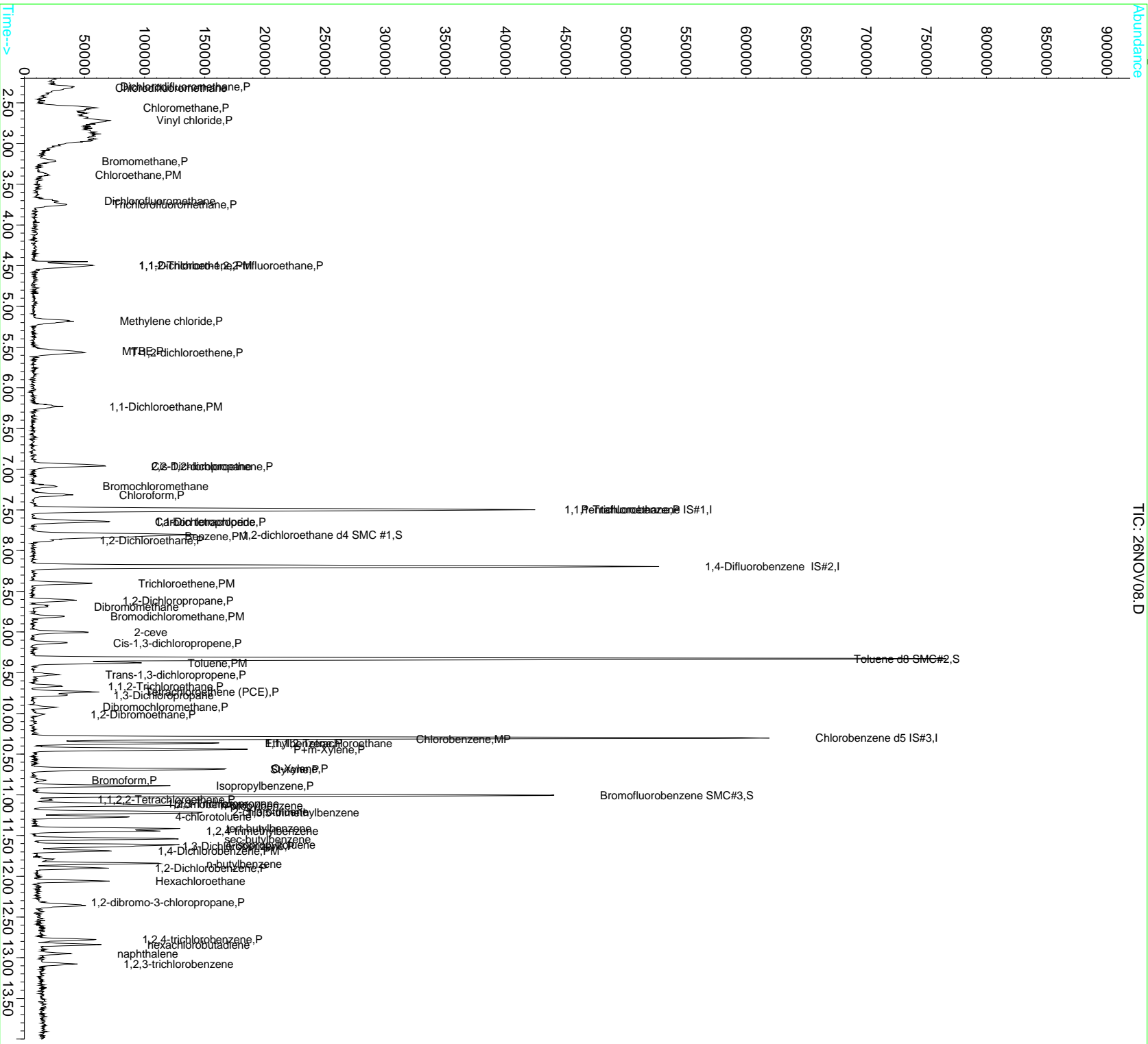
Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
52) 1,2,3-Trichloropropane	11.11	110	1836	1.22	ug/L	87
53) n-propylbenzene	11.13	91	85942	1.14	ug/L	94
54) bromobenzene	11.11	156	13001	1.07	ug/L	78
55) 1,3,5-trimethylbenzene	11.22	105	58346	1.21	ug/L	99
56) 2-chlorotoluene	11.20	91	57391	1.34	ug/L	92
57) 4-chlorotoluene	11.27	91	52102	1.37	ug/L	92
58) tert-butylbenzene	11.41	119	60666	1.14	ug/L	91
59) 1,2,4-trimethylbenzene	11.44	105	59184	1.29	ug/L	94
60) sec-butylbenzene	11.54	105	80770	1.22	ug/L	92
61) 4-isopropyltoluene	11.61	119	63205	1.20	ug/L	95
62) 1,3-Dichlorobenzene	11.63	146	28732	1.15	ug/L #	90
63) 1,4-Dichlorobenzene	11.69	146	26500	1.12	ug/L #	91
64) n-butylbenzene	11.84	91	55961	1.29	ug/L	96
65) 1,2-Dichlorobenzene	11.90	146	24462	1.19	ug/L #	90
66) Hexachloroethane	12.06	117	11849	1.09	ug/L	91
67) 1,2-dibromo-3-chloropropan	12.32	75	1243	1.84	ug/L #	45
68) 1,2,4-trichlorobenzene	12.78	180	13741	1.05	ug/L	89
69) hexachlorobutadiene	12.84	225	8302	0.95	ug/L #	87
70) naphthalene	12.95	128	17971	1.12	ug/L	100
71) 1,2,3-trichlorobenzene	13.08	180	10260	0.97	ug/L	98

Data File : D:\DATA\NOV2023C\NOV26\26NOV08.D
Acq On : 26 Nov 2023 7:56 am
Sample : 2317504-CAL2
Misc : 1 ; 3K26002;25ML
MS Integration Params: rteint.p
Quant Time: Nov 30 11:47 2023

Vial: 8
Operator: MGC
Inst: MS-V5
Multiplr: 1.00

Quant Results File: 82605C.RES

Method : C:\HPCHEM\1\METHODS\C\202311\26-0912\82605C.M (RTE Integrator)
Title : EPA Method 8260C/D
Last Update : Sun Oct 29 10:40:39 2023
Response via : Initial Calibration



Data File : D:\DATA\NOV2023C\NOV26\26NOV09.D
 Acq On : 26 Nov 2023 8:20 am
 Sample : 2317504-CAL3
 Misc : 1 ;3K26003;25ML
 MS Integration Params: rteint.p
 Quant Time: Nov 30 11:49 2023

Vial: 9
 Operator: MGC
 Inst : MS-V5
 Multiplr: 1.00

Quant Results File: 82605C.RES

Quant Method : C:\HPCHEM\1...\82605C.M (RTE Integrator)
 Title : EPA Method 8260C/D
 Last Update : Sun Oct 29 10:40:39 2023
 Response via : Initial Calibration
 DataAcq Meth : 82605

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene IS#1	7.50	137	49754	10.00	ug/L	0.00
26) 1,4-Difluorobenzene IS#2	8.20	63	94034	10.00	ug/L	0.00
41) Chlorobenzene d5 IS#3	10.30	119	110349	10.00	ug/L	0.00

System Monitoring Compounds

23) 1,2-dichloroethane d4 SMC	7.80	65	93500	11.86	ug/L	0.00
Spiked Amount	10.000	Range	75 - 125	Recovery	=	118.60%
33) Toluene d8 SMC#2	9.33	98	485717	8.96	ug/L	0.00
Spiked Amount	10.000	Range	80 - 120	Recovery	=	89.60%
51) Bromofluorobenzene SMC#3	11.00	95	156806	11.04	ug/L	0.00
Spiked Amount	10.000	Range	80 - 120	Recovery	=	110.40%

Target Compounds

	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.30	85	87981	4.78	ug/L	100
3) Chlorodifluoromethane	2.32	51	98461	5.29	ug/L	89
4) Chloromethane	2.55	50	121962	5.68	ug/L	98
5) Vinyl chloride	2.72	62	113279	5.45	ug/L	98
6) Bromomethane	3.22	94	55713	4.78	ug/L	99
7) Chloroethane	3.38	64	58509	5.04	ug/L	97
8) Dichlorofluoromethane	3.70	67	126462	5.23	ug/L #	96
9) Trichlorofluoromethane	3.75	101	122704	5.22	ug/L	97
10) 1,1,2-Trichloro-1,2,2-trif	4.51	101	67081	4.75	ug/L	95
11) 1,1-Dichloroethene	4.49	61	124235	5.52	ug/L	93
12) Methylene chloride	5.18	84	66323	5.73	ug/L	86
13) MTBE	5.55	73	113892	6.67	ug/L	97
14) T-1,2-dichloroethene	5.57	96	77913	4.94	ug/L	89
15) 1,1-Dichloroethane	6.23	63	145892	5.65	ug/L	99
16) 2,2-Dichloropropane	6.96	77	125370	5.45	ug/L	96
17) Cis-1,2-dichloroethene	6.95	96	77736	5.13	ug/L	94
18) Bromochloromethane	7.21	128	26547	5.24	ug/L	87
19) Chloroform	7.31	83	122973	5.54	ug/L	97
20) 1,1,1-Trichloroethane	7.49	97	121384	5.17	ug/L	98
21) 1,1-Dichloropropene	7.64	75	105270	5.42	ug/L	97
22) Carbon tetrachloride	7.64	119	100921	5.04	ug/L	99
24) 1,2-Dichloroethane	7.87	62	64342	6.59	ug/L	95
25) Benzene	7.84	78	284935	5.27	ug/L	92
27) Trichloroethene	8.40	130	77309	4.26	ug/L	95
28) 1,2-Dichloropropane	8.61	63	71180	5.35	ug/L	95
29) Dibromomethane	8.68	93	25072	5.29	ug/L	88
30) Bromodichloromethane	8.81	83	81814	5.42	ug/L	98
31) 2-ceve	9.00	63	86438	20.15	ug/L	94
32) Cis-1,3-dichloropropene	9.13	75	99510	5.56	ug/L	93
34) Toluene	9.38	92	178068	4.51	ug/L	94
35) Trans-1,3-dichloropropene	9.52	75	74388	5.73	ug/L	94
36) 1,1,2-Trichloroethane	9.67	97	35134	5.05	ug/L	85
37) Tetrachloroethene (PCE)	9.74	166	71337	3.81	ug/L	95
38) 1,3-Dichloropropane	9.77	76	62161	5.30	ug/L	98
39) Dibromochloromethane	9.92	129	43315	4.57	ug/L #	93
40) 1,2-Dibromoethane	10.01	107	32703	4.95	ug/L	96
42) Chlorobenzene	10.32	112	175695	5.43	ug/L	91
43) 1,1,1,2-Tetrachloroethane	10.37	131	62799	5.70	ug/L	94
44) Ethylbenzene	10.36	106	104334	5.15	ug/L #	47
45) P+m-Xylene	10.44	106	248123	10.66	ug/L	93
46) O-Xylene	10.68	106	118559	5.22	ug/L	86
47) Styrene	10.69	104	186968	5.68	ug/L	94
48) Bromoform	10.82	173	18569	5.06	ug/L	93
49) Isopropylbenzene	10.89	105	326445	5.50	ug/L	100
50) 1,1,2,2-Tetrachloroethane	11.06	83	32662	6.48	ug/L	99

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

Data File : D:\DATA\NOV2023C\NOV26\26NOV09.D
 Acq On : 26 Nov 2023 8:20 am
 Sample : 2317504-CAL3
 Misc : 1 ;3K26003;25ML
 MS Integration Params: rteint.p
 Quant Time: Nov 30 11:49 2023

Vial: 9
 Operator: MGC
 Inst : MS-V5
 Multiplr: 1.00

Quant Results File: 82605C.RES

Quant Method : C:\HPCHEM\1...\82605C.M (RTE Integrator)
 Title : EPA Method 8260C/D
 Last Update : Sun Oct 29 10:40:39 2023
 Response via : Initial Calibration
 DataAcq Meth : 82605

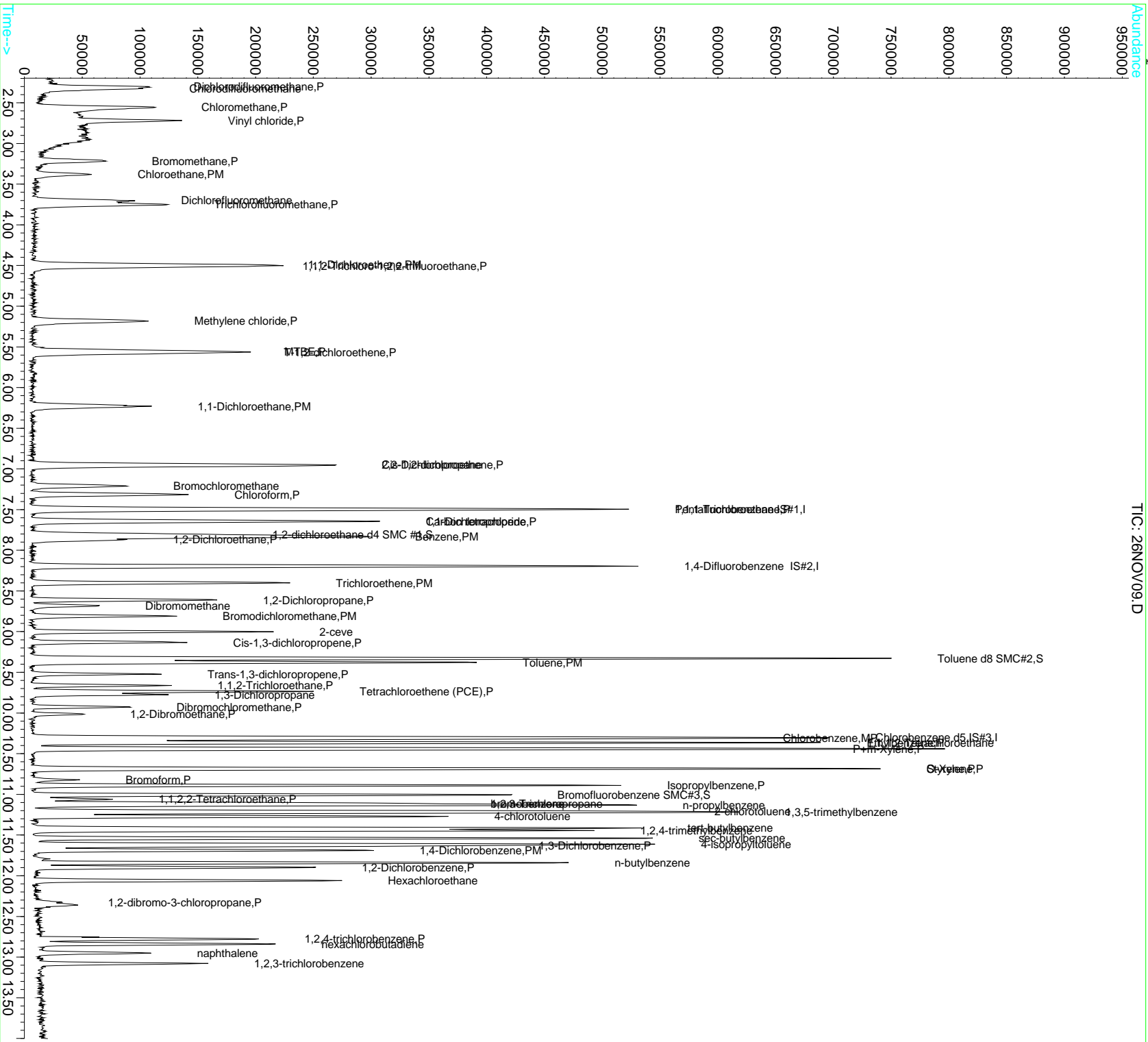
Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
52) 1,2,3-Trichloropropane	11.11	110	9143	6.19	ug/L	99
53) n-propylbenzene	11.13	91	389568	5.75	ug/L	97
54) bromobenzene	11.11	156	64153	5.39	ug/L	87
55) 1,3,5-trimethylbenzene	11.22	105	257052	5.41	ug/L	100
56) 2-chlorotoluene	11.20	91	248000	5.88	ug/L	98
57) 4-chlorotoluene	11.27	91	218705	5.83	ug/L	93
58) tert-butylbenzene	11.41	119	275961	5.28	ug/L	92
59) 1,2,4-trimethylbenzene	11.44	105	257835	5.73	ug/L	94
60) sec-butylbenzene	11.54	105	359234	5.55	ug/L	91
61) 4-isopropyltoluene	11.61	119	275931	5.33	ug/L	96
62) 1,3-Dichlorobenzene	11.63	146	122807m	5.01	ug/L	
63) 1,4-Dichlorobenzene	11.69	146	121446	5.20	ug/L #	90
64) n-butylbenzene	11.84	91	255584	5.98	ug/L	97
65) 1,2-Dichlorobenzene	11.90	146	107392	5.30	ug/L #	91
66) Hexachloroethane	12.06	117	57143	5.34	ug/L	94
67) 1,2-dibromo-3-chloropropan	12.32	75	5004	7.52	ug/L	82
68) 1,2,4-trichlorobenzene	12.78	180	60485	4.71	ug/L	96
69) hexachlorobutadiene	12.84	225	38850	4.51	ug/L #	91
70) naphthalene	12.95	128	83134	5.26	ug/L	100
71) 1,2,3-trichlorobenzene	13.08	180	47947	4.59	ug/L	95

Data File : D:\DATA\NOV2023C\NOV26\26NOV09.D
Acq On : 26 Nov 2023 8:20 am
Sample : 2317504-CAL3
Misc : 1 ; 3K26003;25ML
MS Integration Params: rteint.p
Quant Time: Nov 30 11:49 2023

Vial: 9
Operator: MGC
Inst: MS-V5
Multiplr: 1.00

Quant Results File: 82605C.RES

Method : C:\HPCHEM\1\METHODS\C\202311\26-0912\82605C.M (RTE Integrator)
Title : EPA Method 8260C/D
Last Update : Sun Oct 29 10:40:39 2023
Response via : Initial Calibration



Data File : D:\DATA\NOV2023C\NOV26\26NOV10.D
 Acq On : 26 Nov 2023 8:43 am
 Sample : 2317504-CAL4
 Misc : 1 ;3K26004;25ML
 MS Integration Params: rteint.p
 Quant Time: Nov 30 11:59 2023

Vial: 10
 Operator: MGC
 Inst : MS-V5
 Multiplr: 1.00

Quant Results File: 82605C.RES

Quant Method : C:\HPCHEM\1...\82605C.M (RTE Integrator)
 Title : EPA Method 8260C/D
 Last Update : Thu Nov 30 11:53:34 2023
 Response via : Initial Calibration
 DataAcq Meth : 82605

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene IS#1	7.50	137	43951	10.00	ug/L	0.00
26) 1,4-Difluorobenzene IS#2	8.20	63	91327	10.00	ug/L	0.00
41) Chlorobenzene d5 IS#3	10.30	119	108699	10.00	ug/L	0.00

System Monitoring Compounds

23) 1,2-dichloroethane d4 SMC	7.80	65	95294	12.99	ug/L	0.00
Spiked Amount	10.000	Range	75 - 125	Recovery	=	129.90%#
33) Toluene d8 SMC#2	9.33	98	470262	11.52	ug/L	0.00
Spiked Amount	10.000	Range	80 - 120	Recovery	=	115.20%
51) Bromofluorobenzene SMC#3	11.01	95	157994	10.10	ug/L	0.00
Spiked Amount	10.000	Range	80 - 120	Recovery	=	101.00%

Target Compounds

	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.30	85	168451	12.31	ug/L	98
3) Chlorodifluoromethane	2.33	51	185532	11.96	ug/L	95
4) Chloromethane	2.56	50	242986	11.76	ug/L	97
5) Vinyl chloride	2.72	62	228122	12.60	ug/L	96
6) Bromomethane	3.22	94	111191	12.16	ug/L	99
7) Chloroethane	3.38	64	118330	12.21	ug/L	98
8) Dichlorofluoromethane	3.70	67	253276	12.19	ug/L	98
9) Trichlorofluoromethane	3.76	101	236490	12.51	ug/L	98
10) 1,1,2-Trichloro-1,2,2-trif	4.51	101	133174	12.78	ug/L	98
11) 1,1-Dichloroethene	4.49	61	242527	12.36	ug/L	96
12) Methylene chloride	5.19	84	130459	12.27	ug/L	98
13) MTBE	5.55	73	218887	11.33	ug/L	99
14) T-1,2-dichloroethene	5.57	96	148044	11.74	ug/L	97
15) 1,1-Dichloroethane	6.23	63	280190	12.08	ug/L	98
16) 2,2-Dichloropropane	6.96	77	240774	11.89	ug/L	98
17) Cis-1,2-dichloroethene	6.95	96	154971	11.99	ug/L	98
18) Bromochloromethane	7.21	128	52106	12.03	ug/L	96
19) Chloroform	7.32	83	239666	11.88	ug/L	97
20) 1,1,1-Trichloroethane	7.49	97	236349	12.23	ug/L #	65
21) 1,1-Dichloropropene	7.64	75	198206	12.01	ug/L	98
22) Carbon tetrachloride	7.64	119	196461	12.55	ug/L	98
24) 1,2-Dichloroethane	7.88	62	128253	12.56	ug/L	98
25) Benzene	7.83	78	543531	12.34	ug/L	95
27) Trichloroethene	8.40	130	150483	11.67	ug/L	99
28) 1,2-Dichloropropane	8.61	63	138717	11.36	ug/L	99
29) Dibromomethane	8.68	93	48740	11.44	ug/L	95
30) Bromodichloromethane	8.81	83	156445	11.44	ug/L	99
31) 2-ceve	9.00	63	175618	46.13	ug/L	98
32) Cis-1,3-dichloropropene	9.13	75	193924	11.58	ug/L	98
34) Toluene	9.38	92	341629	11.52	ug/L	82
35) Trans-1,3-dichloropropene	9.52	75	143312	11.24	ug/L	99
36) 1,1,2-Trichloroethane	9.66	97	70735	11.02	ug/L	99
37) Tetrachloroethene (PCE)	9.74	166	138454	11.48	ug/L	98
38) 1,3-Dichloropropane	9.78	76	121558	11.55	ug/L	99
39) Dibromochloromethane	9.92	129	86801	11.33	ug/L	97
40) 1,2-Dibromoethane	10.02	107	64114	11.11	ug/L	99
42) Chlorobenzene	10.32	112	347385	10.21	ug/L	95
43) 1,1,1,2-Tetrachloroethane	10.37	131	121251	9.98	ug/L	99
44) Ethylbenzene	10.37	106	205209m	9.77	ug/L	
45) P+m-Xylene	10.44	106	482730	20.28	ug/L #	62
46) O-Xylene	10.68	106	235208	10.00	ug/L	81
47) Styrene	10.69	104	370097	10.29	ug/L	92
48) Bromoform	10.82	173	38327	10.02	ug/L	97
49) Isopropylbenzene	10.89	105	632674	10.37	ug/L	82
50) 1,1,2,2-Tetrachloroethane	11.06	83	68097	9.76	ug/L	100

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

Data File : D:\DATA\NOV2023C\NOV26\26NOV10.D

Vial: 10

Acq On : 26 Nov 2023 8:43 am

Operator: MGC

Sample : 2317504-CAL4

Inst : MS-V5

Misc : 1 ;3K26004;25ML

Multiplr: 1.00

MS Integration Params: rteint.p

Quant Time: Nov 30 11:59 2023

Quant Results File: 82605C.RES

Quant Method : C:\HPCHEM\1...\82605C.M (RTE Integrator)

Title : EPA Method 8260C/D

Last Update : Thu Nov 30 11:53:34 2023

Response via : Initial Calibration

DataAcq Meth : 82605

Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
52) 1,2,3-Trichloropropane	11.11	110	17956	10.44	ug/L	100
53) n-propylbenzene	11.13	91	732518	10.19	ug/L #	79
54) bromobenzene	11.11	156	122000	10.15	ug/L	94
55) 1,3,5-trimethylbenzene	11.22	105	513939	10.43	ug/L	86
56) 2-chlorotoluene	11.21	91	480039	10.00	ug/L	87
57) 4-chlorotoluene	11.27	91	432431	10.18	ug/L	87
58) tert-butylbenzene	11.42	119	534825	10.24	ug/L	92
59) 1,2,4-trimethylbenzene	11.45	105	497577	10.23	ug/L	83
60) sec-butylbenzene	11.54	105	688519	10.14	ug/L #	81
61) 4-isopropyltoluene	11.62	119	546563	10.60	ug/L	84
62) 1,3-Dichlorobenzene	11.64	146	249726	10.07	ug/L	93
63) 1,4-Dichlorobenzene	11.69	146	245693	10.12	ug/L	95
64) n-butylbenzene	11.84	91	495970	10.47	ug/L	85
65) 1,2-Dichlorobenzene	11.90	146	209030	9.84	ug/L	97
66) Hexachloroethane	12.06	117	114589	9.93	ug/L	98
67) 1,2-dibromo-3-chloropropan	12.32	75	9159	8.65	ug/L	96
68) 1,2,4-trichlorobenzene	12.78	180	122762	10.08	ug/L	99
69) hexachlorobutadiene	12.84	225	81034	10.17	ug/L	98
70) naphthalene	12.95	128	173986	10.21	ug/L	100
71) 1,2,3-trichlorobenzene	13.08	180	103057	10.36	ug/L	99

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

26NOV10.D 82605C.M

Thu Nov 30 11:59:24 2023

Data File : D:\DATA\NOV2023C\NOV26\26NOV11.D
 Acq On : 26 Nov 2023 9:12 am
 Sample : 2317504-CAL5
 Misc : 1 ;3K26005;25ML
 MS Integration Params: rteint.p
 Quant Time: Nov 30 11:51 2023

Vial: 11
 Operator: MGC
 Inst : MS-V5
 Multiplr: 1.00

Quant Results File: 82605C.RES

Quant Method : C:\HPCHEM\1...\82605C.M (RTE Integrator)
 Title : EPA Method 8260C/D
 Last Update : Sun Oct 29 10:40:39 2023
 Response via : Initial Calibration
 DataAcq Meth : 82605

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene IS#1	7.50	137	47381	10.00	ug/L	0.00
26) 1,4-Difluorobenzene IS#2	8.20	63	93849	10.00	ug/L	0.00
41) Chlorobenzene d5 IS#3	10.30	119	111356	10.00	ug/L	0.00

System Monitoring Compounds

23) 1,2-dichloroethane d4 SMC	7.80	65	94607	12.61	ug/L	0.00
Spiked Amount	10.000	Range	75 - 125	Recovery	=	126.10%#
33) Toluene d8 SMC#2	9.33	98	489730	9.05	ug/L	0.00
Spiked Amount	10.000	Range	80 - 120	Recovery	=	90.50%
51) Bromofluorobenzene SMC#3	11.01	95	160712	11.21	ug/L	0.00
Spiked Amount	10.000	Range	80 - 120	Recovery	=	112.10%

Target Compounds

	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.30	85	428985	24.48	ug/L	99
3) Chlorodifluoromethane	2.33	51	449549	25.35	ug/L	94
4) Chloromethane	2.55	50	585843	28.64	ug/L	99
5) Vinyl chloride	2.72	62	544784	27.53	ug/L	100
6) Bromomethane	3.21	94	278494	25.08	ug/L	98
7) Chloroethane	3.38	64	296273	26.78	ug/L	99
8) Dichlorofluoromethane	3.70	67	606923	26.34	ug/L #	99
9) Trichlorofluoromethane	3.75	101	584324	26.11	ug/L	98
10) 1,1,2-Trichloro-1,2,2-trif	4.51	101	330430	24.57	ug/L	95
11) 1,1-Dichloroethene	4.49	61	582783	27.21	ug/L	94
12) Methylene chloride	5.18	84	309851	29.04	ug/L	87
13) MTBE	5.55	73	528396	32.51	ug/L	99
14) T-1,2-dichloroethene	5.57	96	361507	24.08	ug/L	85
15) 1,1-Dichloroethane	6.23	63	686297	27.92	ug/L	98
16) 2,2-Dichloropropane	6.96	77	579556	26.46	ug/L	94
17) Cis-1,2-dichloroethene	6.95	96	369039	25.57	ug/L	93
18) Bromochloromethane	7.21	128	127937	26.54	ug/L	89
19) Chloroform	7.31	83	572836	27.08	ug/L	94
20) 1,1,1-Trichloroethane	7.49	97	579559	25.91	ug/L #	43
21) 1,1-Dichloropropene	7.64	75	477729	25.83	ug/L	96
22) Carbon tetrachloride	7.64	119	476093	24.95	ug/L	98
24) 1,2-Dichloroethane	7.88	62	310524	33.40	ug/L	97
25) Benzene	7.83	78	1264550	24.55	ug/L	95
27) Trichloroethene	8.40	130	367070	20.25	ug/L	94
28) 1,2-Dichloropropane	8.61	63	343192	25.83	ug/L	96
29) Dibromomethane	8.68	93	123370	26.08	ug/L	90
30) Bromodichloromethane	8.81	83	389797	25.85	ug/L	97
31) 2-ceve	9.00	63	434021	101.38	ug/L	94
32) Cis-1,3-dichloropropene	9.13	75	465414	26.04	ug/L	94
34) Toluene	9.38	92	822094	20.84	ug/L	98
35) Trans-1,3-dichloropropene	9.52	75	354199	27.33	ug/L	97
36) 1,1,2-Trichloroethane	9.66	97	172877	24.92	ug/L	86
37) Tetrachloroethene (PCE)	9.73	166	334391	17.89	ug/L	91
38) 1,3-Dichloropropane	9.78	76	301238	25.75	ug/L	99
39) Dibromochloromethane	9.92	129	222065	23.49	ug/L #	94
40) 1,2-Dibromoethane	10.02	107	162462	24.65	ug/L	97
42) Chlorobenzene	10.32	112	814614	24.94	ug/L	90
43) 1,1,1,2-Tetrachloroethane	10.37	131	303794	27.33	ug/L	94
44) Ethylbenzene	10.37	106	498383	24.37	ug/L #	30
45) P+m-Xylene	10.44	106	1125752	47.95	ug/L	89
46) O-Xylene	10.68	106	575387	25.12	ug/L	96
47) Styrene	10.69	104	877394	26.43	ug/L	91
48) Bromoform	10.82	173	100150	27.05	ug/L	93
49) Isopropylbenzene	10.89	105	1381632	23.09	ug/L	94
50) 1,1,2,2-Tetrachloroethane	11.06	83	174080	34.24	ug/L	90

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

Data File : D:\DATA\NOV2023C\NOV26\26NOV11.D
 Acq On : 26 Nov 2023 9:12 am
 Sample : 2317504-CAL5
 Misc : 1 ;3K26005;25ML
 MS Integration Params: rteint.p
 Quant Time: Nov 30 11:51 2023

Vial: 11
 Operator: MGC
 Inst : MS-V5
 Multiplr: 1.00

Quant Results File: 82605C.RES

Quant Method : C:\HPCHEM\1...\82605C.M (RTE Integrator)
 Title : EPA Method 8260C/D
 Last Update : Sun Oct 29 10:40:39 2023
 Response via : Initial Calibration
 DataAcq Meth : 82605

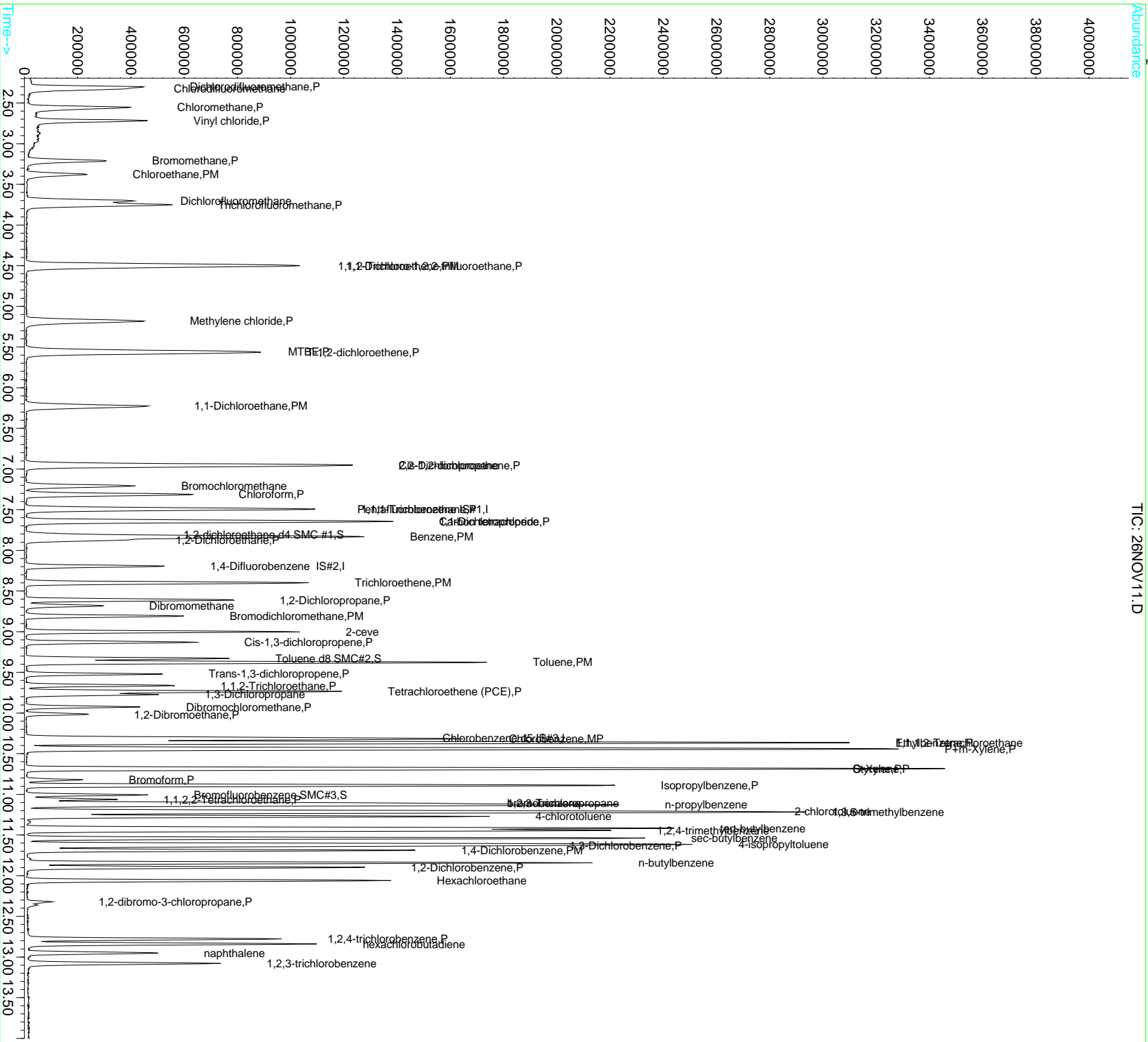
Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
52) 1,2,3-Trichloropropane	11.11	110	46551	31.25	ug/L	84
53) n-propylbenzene	11.13	91	1541671	26.08	ug/L	92
54) bromobenzene	11.11	156	310500	25.84	ug/L	89
55) 1,3,5-trimethylbenzene	11.23	105	1157067	24.14	ug/L	94
56) 2-chlorotoluene	11.21	91	1127835	26.51	ug/L	98
57) 4-chlorotoluene	11.27	91	993423	26.26	ug/L	99
58) tert-butylbenzene	11.42	119	1245500	23.60	ug/L	88
59) 1,2,4-trimethylbenzene	11.45	105	1136675	25.01	ug/L	97
60) sec-butylbenzene	11.54	105	1485419	25.48	ug/L #	82
61) 4-isopropyltoluene	11.62	119	1226856	23.49	ug/L	91
62) 1,3-Dichlorobenzene	11.64	146	601859m	24.35	ug/L	
63) 1,4-Dichlorobenzene	11.69	146	596496	25.32	ug/L #	90
64) n-butylbenzene	11.84	91	1127237	26.12	ug/L	96
65) 1,2-Dichlorobenzene	11.90	146	522936	25.57	ug/L #	87
66) Hexachloroethane	12.06	117	294691	27.30	ug/L	95
67) 1,2-dibromo-3-chloropropan	12.32	75	26199	38.99	ug/L	84
68) 1,2,4-trichlorobenzene	12.78	180	317199	24.49	ug/L	95
69) hexachlorobutadiene	12.84	225	212722	24.48	ug/L #	94
70) naphthalene	12.95	128	428446	26.85	ug/L	100
71) 1,2,3-trichlorobenzene	13.08	180	258486	24.55	ug/L	98

Data File : D:\DATA\NOV2023C\NOV26\26NOV11.D
Acq On : 26 Nov 2023 9:12 am
Sample : 2317504-CAL5
Misc : 1 ; 3K26005;25ML
MS Integration Params: rteint.p
Quant Time: Nov 30 11:51 2023

Vial: 11
Operator: MGC
Inst : MS-V5
Multiplr: 1.00

Quant Results File: 82605C.RES

Method : C:\HPCHEM\1\METHODS\C\202311\26-0912\82605C.M (RTE Integrator)
Title : EPA Method 8260C/D
Last Update : Sun Oct 29 10:40:39 2023
Response via : Initial Calibration



Data File : D:\DATA\NOV2023C\NOV26\26NOV12.D
 Acq On : 26 Nov 2023 9:36 am
 Sample : 2317504-CAL6
 Misc : 1 ;3K26006;25ML
 MS Integration Params: rteint.p
 Quant Time: Nov 30 11:51 2023

Vial: 12
 Operator: MGC
 Inst : MS-V5
 Multiplr: 1.00

Quant Results File: 82605C.RES

Quant Method : C:\HPCHEM\1...\82605C.M (RTE Integrator)
 Title : EPA Method 8260C/D
 Last Update : Sun Oct 29 10:40:39 2023
 Response via : Initial Calibration
 DataAcq Meth : 82605

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene IS#1	7.50	137	46424	10.00	ug/L	0.00
26) 1,4-Difluorobenzene IS#2	8.19	63	97605	10.00	ug/L	0.00
41) Chlorobenzene d5 IS#3	10.30	119	113455	10.00	ug/L	0.00

System Monitoring Compounds

23) 1,2-dichloroethane d4 SMC	7.80	65	91044	12.38	ug/L	0.00
Spiked Amount	10.000	Range	75 - 125	Recovery	=	123.80%
33) Toluene d8 SMC#2	9.33	98	491557	8.73	ug/L	0.00
Spiked Amount	10.000	Range	80 - 120	Recovery	=	87.30%
51) Bromofluorobenzene SMC#3	11.01	95	169823	11.63	ug/L	0.00
Spiked Amount	10.000	Range	80 - 120	Recovery	=	116.30%

Target Compounds

	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.30	85	825355	48.07	ug/L	97
3) Chlorodifluoromethane	2.33	51	857761	49.37	ug/L	95
4) Chloromethane	2.55	50	1112548	55.52	ug/L	99
5) Vinyl chloride	2.72	62	1052530	54.28	ug/L	97
6) Bromomethane	3.21	94	564310	51.87	ug/L	99
7) Chloroethane	3.38	64	585805	54.05	ug/L	98
8) Dichlorofluoromethane	3.71	67	1168531	51.75	ug/L #	99
9) Trichlorofluoromethane	3.75	101	1127132	51.41	ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	4.51	101	651262	49.42	ug/L	95
11) 1,1-Dichloroethene	4.49	61	1112455	53.00	ug/L	96
12) Methylene chloride	5.18	84	598523	57.47	ug/L	87
13) MTBE	5.56	73	998111	62.67	ug/L	98
14) T-1,2-dichloroethene	5.57	96	714643	48.59	ug/L	88
15) 1,1-Dichloroethane	6.23	63	1320981	54.85	ug/L	96
16) 2,2-Dichloropropane	6.96	77	1090760	50.82	ug/L	92
17) Cis-1,2-dichloroethene	6.95	96	724629	51.24	ug/L	95
18) Bromochloromethane	7.21	128	258330	54.69	ug/L	89
19) Chloroform	7.31	83	1102025	53.18	ug/L	93
20) 1,1,1-Trichloroethane	7.49	97	1106282	50.48	ug/L #	37
21) 1,1-Dichloropropene	7.65	75	916749	50.59	ug/L	97
22) Carbon tetrachloride	7.64	119	927663	49.62	ug/L	97
24) 1,2-Dichloroethane	7.88	62	607627	66.70	ug/L	98
25) Benzene	7.84	78	2208192	43.76	ug/L	93
27) Trichloroethene	8.40	130	711369	37.73	ug/L	94
28) 1,2-Dichloropropane	8.61	63	655680	47.46	ug/L	96
29) Dibromomethane	8.68	93	244824	49.77	ug/L	89
30) Bromodichloromethane	8.81	83	751643	47.94	ug/L	95
31) 2-ceve	9.00	63	812801	182.54	ug/L	98
32) Cis-1,3-dichloropropene	9.13	75	886506	47.70	ug/L	94
34) Toluene	9.38	92	1493012	36.39	ug/L #	87
35) Trans-1,3-dichloropropene	9.52	75	680223	50.47	ug/L	95
36) 1,1,2-Trichloroethane	9.66	97	343518	47.61	ug/L	87
37) Tetrachloroethene (PCE)	9.74	166	652426	33.56	ug/L #	90
38) 1,3-Dichloropropane	9.77	76	583652	47.96	ug/L	98
39) Dibromochloromethane	9.93	129	447507	45.51	ug/L #	95
40) 1,2-Dibromoethane	10.02	107	316887	46.23	ug/L	96
42) Chlorobenzene	10.32	112	1482983	44.56	ug/L	86
43) 1,1,1,2-Tetrachloroethane	10.37	131	591742	52.25	ug/L	95
44) Ethylbenzene	10.37	106	948949	45.55	ug/L #	11
45) P+m-Xylene	10.44	106	1934593	80.87	ug/L #	70
46) O-Xylene	10.68	106	1084042	46.46	ug/L	85
47) Styrene	10.69	104	1559369	46.10	ug/L #	84
48) Bromoform	10.82	173	204923	54.33	ug/L	92
49) Isopropylbenzene	10.89	105	2152916	35.31	ug/L #	80
50) 1,1,2,2-Tetrachloroethane	11.06	83	343166	66.24	ug/L	94

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

Data File : D:\DATA\NOV2023C\NOV26\26NOV12.D

Vial: 12

Acq On : 26 Nov 2023 9:36 am

Operator: MGC

Sample : 2317504-CAL6

Inst : MS-V5

Misc : 1 ;3K26006;25ML

Multiplr: 1.00

MS Integration Params: rteint.p

Quant Time: Nov 30 11:51 2023

Quant Results File: 82605C.RES

Quant Method : C:\HPCHEM\1...\82605C.M (RTE Integrator)

Title : EPA Method 8260C/D

Last Update : Sun Oct 29 10:40:39 2023

Response via : Initial Calibration

DataAcq Meth : 82605

Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
52) 1,2,3-Trichloropropane	11.10	110	92857	61.18	ug/L	87
53) n-propylbenzene	11.13	91	2290766	43.22	ug/L #	75
54) bromobenzene	11.11	156	602655	49.23	ug/L	92
55) 1,3,5-trimethylbenzene	11.22	105	1884608	38.60	ug/L	83
56) 2-chlorotoluene	11.21	91	1913087	44.13	ug/L	89
57) 4-chlorotoluene	11.27	91	1708372	44.32	ug/L	92
58) tert-butylbenzene	11.42	119	2128789	39.58	ug/L	82
59) 1,2,4-trimethylbenzene	11.44	105	1869722	40.38	ug/L	84
60) sec-butylbenzene	11.54	105	2235199	41.91	ug/L #	63
61) 4-isopropyltoluene	11.61	119	1962580	36.88	ug/L #	77
62) 1,3-Dichlorobenzene	11.64	146	1131807	44.94	ug/L #	83
63) 1,4-Dichlorobenzene	11.69	146	1112073	46.33	ug/L #	86
64) n-butylbenzene	11.84	91	1845657	41.98	ug/L	86
65) 1,2-Dichlorobenzene	11.90	146	994223	47.72	ug/L #	85
66) Hexachloroethane	12.06	117	583157	53.03	ug/L	95
67) 1,2-dibromo-3-chloropropan	12.32	75	50914	74.37	ug/L	87
68) 1,2,4-trichlorobenzene	12.78	180	626046	47.45	ug/L	97
69) hexachlorobutadiene	12.84	225	436685	49.32	ug/L	93
70) naphthalene	12.95	128	874205	53.77	ug/L	100
71) 1,2,3-trichlorobenzene	13.08	180	524038	48.84	ug/L	98

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

26NOV12.D 82605C.M

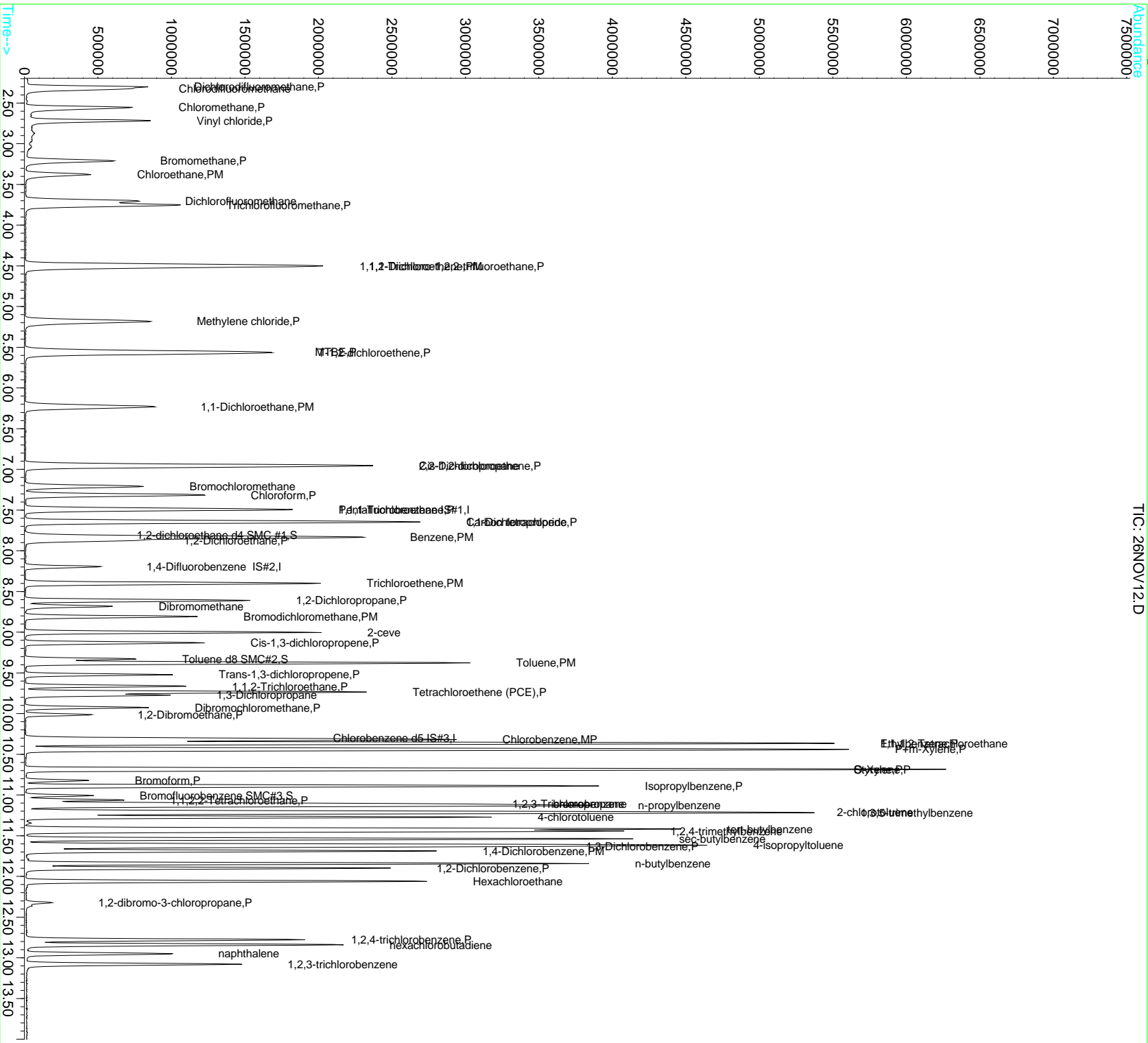
Thu Nov 30 11:52:24 2023

Data File : D:\DATA\NOV2023C\NOV26\26NOV12.D
Acq On : 26 Nov 2023 9:36 am
Sample : 2317504-CAL6
Misc : 1 ; 3K26006;25ML
MS Integration Params: rteint.p
Quant Time: Nov 30 11:51 2023

Vial: 12
Operator: MGC
Inst : MS-V5
Multiplr: 1.00

Quant Results File: 82605C.RES

Method : C:\HPCHEM\1\METHODS\C\202311\26-0912\82605C.M (RTE Integrator)
Title : EPA Method 8260C/D
Last Update : Sun Oct 29 10:40:39 2023
Response via : Initial Calibration



Data File : D:\DATA\NOV2023C\NOV26\26NOV19.D
 Acq On : 26 Nov 2023 12:24 pm
 Sample : 2317504-CAL7
 Misc : 1 ;3K26008;25ML
 MS Integration Params: rteint.p
 Quant Time: Dec 1 8:36 2023

Vial: 19
 Operator: MGC
 Inst : MS-V5
 Multiplr: 1.00

Quant Results File: 82605CX.RES

Quant Method : C:\HPCHEM\1...\82605CX.M (RTE Integrator)
 Title : EPA Method 8260C/DX
 Last Update : Sun Oct 29 11:13:18 2023
 Response via : Initial Calibration
 DataAcq Meth : 82605

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene IS#1	7.50	137	48014	10.00	ug/L	0.00
29) 1,4-Difluorobenzene IS#2	8.20	63	94978	10.00	ug/L	0.00
36) Chlorobenzene d5 IS#3	10.30	119	111227	10.00	ug/L	0.00

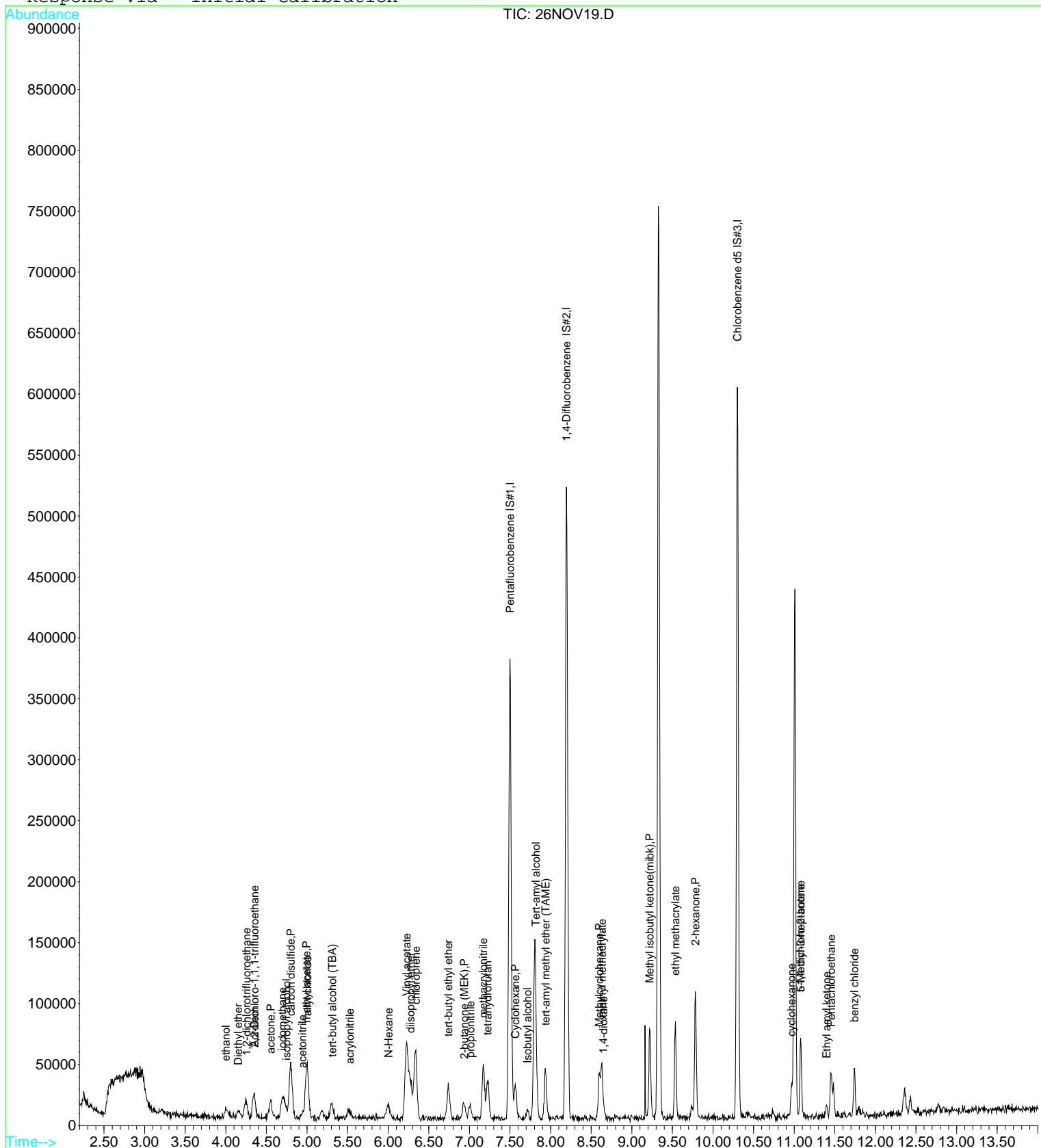
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) ethanol	3.99	45	13469	359.73	ug/L	80
3) 2,2-Dichloro-1,1,1-trifluo	4.35	83	13622	0.53	ug/L #	90
4) 1,2-dichlorotrifluoroethan	4.26	67	11428	0.66	ug/L #	81
5) Diethyl ether	4.15	59	4990	0.87	ug/L	86
6) isopropyl alcohol	4.75	45	14381m	77.19	ug/L	
7) Acrolein	4.35	56	8863	18.00	ug/L	91
8) acetone	4.55	43	21426m	26.81	ug/L	
9) tert-butyl alcohol (TBA)	5.31	59	21601	72.30	ug/L	100
10) acetonitrile	4.94	41	4521m	12.33	ug/L	
11) methyl acetate	4.99	43	18042m	5.38	ug/L	
12) allyl chloride	5.00	41	54557m	2.53	ug/L	
13) iodomethane	4.70	142	30239	1.65	ug/L	89
14) acrylonitrile	5.53	53	8124m	6.02	ug/L	
15) carbon disulfide	4.80	76	83332m	2.16	ug/L	
16) N-Hexane	6.00	57	9228	0.56	ug/L	89
17) diisopropyl ether	6.27	87	9220	1.14	ug/L #	47
18) Vinyl acetate	6.23	43	158795	11.31	ug/L	92
19) chloroprene	6.34	53	49209m	3.65	ug/L	
20) tert-butyl ethyl ether	6.74	59	29413	1.31	ug/L	94
21) 2-butanone (MEK)	6.94	43	20221m	12.43	ug/L	
22) propionitrile	7.01	54	14577	30.46	ug/L #	78
23) Isobutyl alcohol	7.72	43	5006m	35.62	ug/L	
24) methacrylonitrile	7.17	67	20669	12.67	ug/L	86
25) Tert-amyl alcohol	7.82	59	19897m	67.57	ug/L	
26) tetrahydrofuran	7.23	42	24541m	23.19	ug/L	
27) Cyclohexane	7.56	56	18432	0.57	ug/L	87
28) tert-amyl methyl ether (TA	7.94	73	23833	1.36	ug/L #	89
30) methyl methacrylate	8.63	69	20387m	6.00	ug/L	
31) Methylcyclohexane	8.59	55	12209m	0.42	ug/L	
32) 1,4-dioxane	8.66	88	5344	134.60	ug/L	96
33) Methyl isobutyl ketone(mib	9.22	43	49476m	11.63	ug/L	
34) ethyl methacrylate	9.54	69	41881	5.53	ug/L	95
35) 2-hexanone	9.78	43	73539	21.06	ug/L	81
37) 5-Methyl-3-heptanone	11.08	43	6417m	1.36	ug/L	
38) cyclohexanone	10.97	55	13366	55.51	ug/L	84
39) t-1,4-dichloro-2-butene	11.07	75	13047	8.16	ug/L	92
40) Ethyl amyl ketone	11.40	57	3194	1.03	ug/L #	79
41) Pentachloroethane	11.46	167	5447	0.76	ug/L	77
42) benzyl chloride	11.74	91	30169	3.36	ug/L	92

Data File : D:\DATA\NOV2023C\NOV26\26NOV19.D
Acq On : 26 Nov 2023 12:24 pm
Sample : 2317504-CAL7
Misc : 1 ;3K26008;25ML
MS Integration Params: rteint.p
Quant Time: Dec 1 8:36 2023

Vial: 19
Operator: MGC
Inst : MS-V5
Multiplr: 1.00

Quant Results File: 82605CX.RES

Method : C:\HPCHEM\1\METHODS\C\202311\26-1336\82605CX.M (RTE Integrator)
Title : EPA Method 8260C/DX
Last Update : Fri Dec 01 08:39:53 2023
Response via : Initial Calibration



Data File : D:\DATA\NOV2023C\NOV26\26NOV20.D
 Acq On : 26 Nov 2023 12:48 pm
 Sample : 2317504-CAL8
 Misc : 1 ;3K26009;25ML
 MS Integration Params: rteint.p
 Quant Time: Dec 1 8:04 2023

Vial: 20
 Operator: MGC
 Inst : MS-V5
 Multiplr: 1.00

Quant Results File: 82605CX.RES

Quant Method : C:\HPCHEM\1...\82605CX.M (RTE Integrator)
 Title : EPA Method 8260C/DX
 Last Update : Sun Oct 29 11:13:18 2023
 Response via : Initial Calibration
 DataAcq Meth : 82605

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene IS#1	7.50	137	48805	10.00	ug/L	0.00
29) 1,4-Difluorobenzene IS#2	8.20	63	93589	10.00	ug/L	0.00
36) Chlorobenzene d5 IS#3	10.30	119	109191	10.00	ug/L	0.00

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) ethanol	3.99	45	41078	1079.33	ug/L	96
3) 2,2-Dichloro-1,1,1-trifluo	4.35	83	164379	6.23	ug/L	95
4) 1,2-dichlorotrifluoroethan	4.24	67	150723	8.54	ug/L	86
5) Diethyl ether	4.15	59	64566	11.13	ug/L	94
6) isopropyl alcohol	4.73	45	44476	234.85	ug/L #	5
7) Acrolein	4.35	56	25746	51.44	ug/L	99
8) acetone	4.55	43	84810	104.38	ug/L	90
9) tert-butyl alcohol (TBA)	5.30	59	73190	240.99	ug/L	100
10) acetonitrile	4.96	41	19568m	52.50	ug/L	
11) methyl acetate	4.98	43	285964	109.60	ug/L	92
12) allyl chloride	5.00	41	223747	10.20	ug/L	87
13) iodomethane	4.70	142	116412	6.24	ug/L	90
14) acrylonitrile	5.50	53	29622	21.58	ug/L #	90
15) carbon disulfide	4.80	76	302781	7.73	ug/L	98
16) N-Hexane	6.00	57	102276	6.06	ug/L	91
17) diisopropyl ether	6.27	87	32137	3.90	ug/L	55
18) Vinyl acetate	6.23	43	587700	46.51	ug/L	92
19) chloroprene	6.34	53	179546	13.11	ug/L	88
20) tert-butyl ethyl ether	6.75	59	105077	4.61	ug/L	95
21) 2-butanone (MEK)	6.93	43	75833	45.87	ug/L	94
22) propionitrile	7.00	54	54542	112.13	ug/L	93
23) Isobutyl alcohol	7.71	43	22130	154.92	ug/L	91
24) methacrylonitrile	7.18	67	72589	43.78	ug/L	92
25) Tert-amyl alcohol	7.82	59	302265	1215.64	ug/L	94
26) tetrahydrofuran	7.23	42	104137	96.83	ug/L	91
27) Cyclohexane	7.56	56	203971	6.16	ug/L	94
28) tert-amyl methyl ether (TA	7.94	73	80744	4.53	ug/L	94
30) methyl methacrylate	8.63	69	72324m	21.59	ug/L	
31) Methylcyclohexane	8.60	55	154489	5.44	ug/L #	82
32) 1,4-dioxane	8.66	88	15339	392.08	ug/L	78
33) Methyl isobutyl ketone(mib	9.22	43	179080	42.74	ug/L	90
34) ethyl methacrylate	9.54	69	144842	19.41	ug/L	93
35) 2-hexanone	9.78	43	243869	86.31	ug/L	82
37) 5-Methyl-3-heptanone	11.08	43	87443	18.85	ug/L	88
38) cyclohexanone	10.97	55	39513	167.15	ug/L	88
39) t-1,4-dichloro-2-butene	11.08	75	44100	28.09	ug/L	92
40) Ethyl amyl ketone	11.40	57	39008	12.82	ug/L	91
41) Pentachloroethane	11.46	167	26264	3.71	ug/L	93
42) benzyl chloride	11.74	91	103840	11.79	ug/L	90

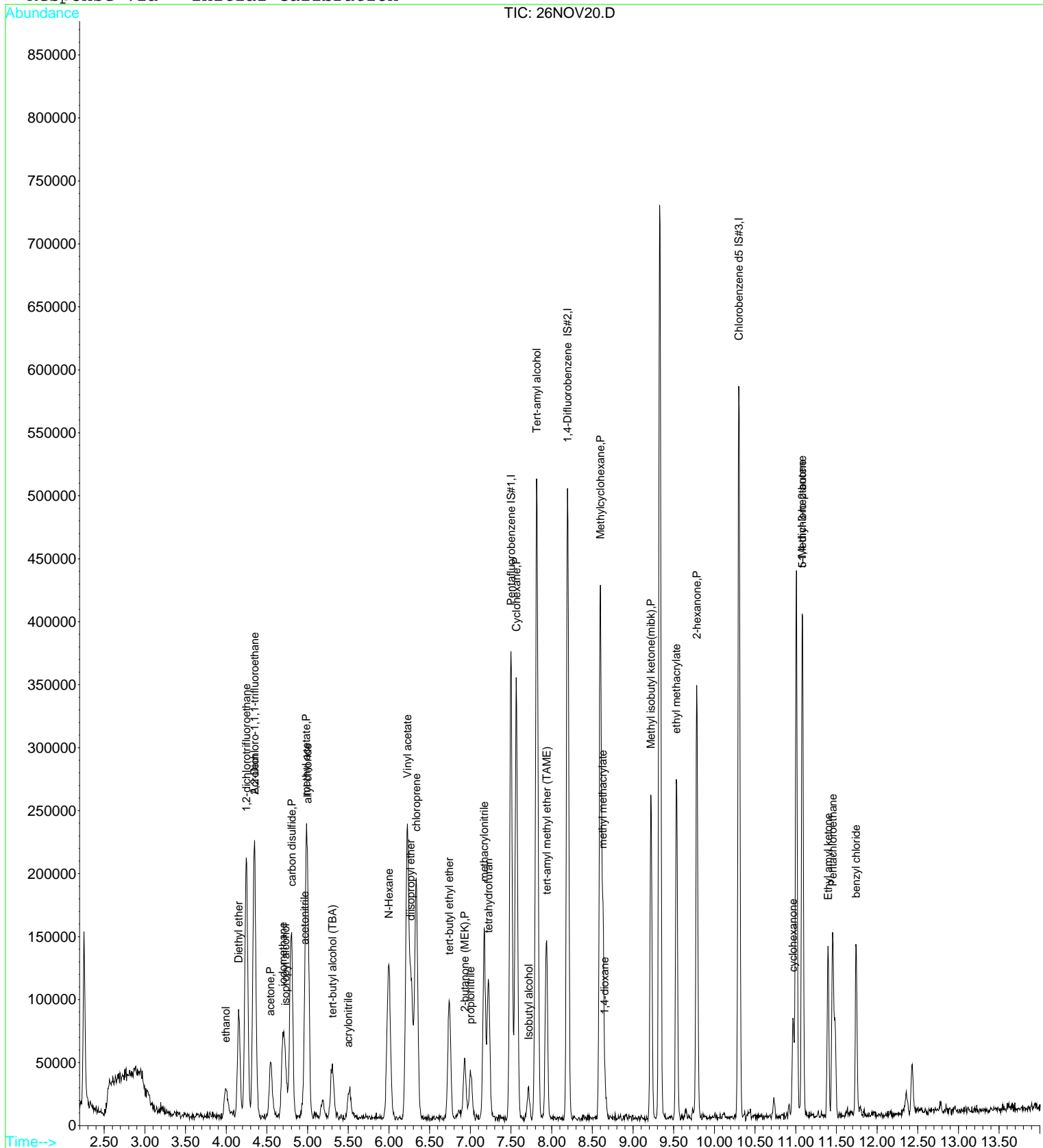
(#) = qualifier out of range (m) = manual integration

Data File : D:\DATA\NOV2023C\NOV26\26NOV20.D
Acq On : 26 Nov 2023 12:48 pm
Sample : 2317504-CAL8
Misc : 1 ;3K26009;25ML
MS Integration Params: rteint.p
Quant Time: Dec 1 8:04 2023

Vial: 20
Operator: MGC
Inst : MS-V5
Multiplr: 1.00

Quant Results File: 82605CX.RES

Method : C:\HPCHEM\1\METHODS\C\202311\26-1336\82605CX.M (RTE Integrator)
Title : EPA Method 8260C/DX
Last Update : Fri Dec 01 10:33:38 2023
Response via : Initial Calibration



Data File : D:\DATA\NOV2023C\NOV26\26NOV21.D
 Acq On : 26 Nov 2023 1:12 pm
 Sample : 2317504-CAL9
 Misc : 1 ;3K26010;25ML
 MS Integration Params: rteint.p
 Quant Time: Dec 1 8:05 2023

Vial: 21
 Operator: MGC
 Inst : MS-V5
 Multiplr: 1.00

Quant Results File: 82605CX.RES

Quant Method : C:\HPCHEM\1...\82605CX.M (RTE Integrator)
 Title : EPA Method 8260C/DX
 Last Update : Sun Oct 29 11:13:18 2023
 Response via : Initial Calibration
 DataAcq Meth : 82605

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene IS#1	7.50	137	45827	10.00	ug/L	0.00
29) 1,4-Difluorobenzene IS#2	8.19	63	91923	10.00	ug/L	0.00
36) Chlorobenzene d5 IS#3	10.30	119	112055	10.00	ug/L	0.00

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) ethanol	3.99	45	102901	2879.44	ug/L	99
3) 2,2-Dichloro-1,1,1-trifluo	4.34	83	260767	10.53	ug/L	95
4) 1,2-dichlorotrifluoroethan	4.25	67	228241	13.77	ug/L	87
5) Diethyl ether	4.15	59	95339	17.51	ug/L	96
6) isopropyl alcohol	4.72	45	113685	639.31	ug/L #	3
7) Acrolein	4.36	56	66383	141.24	ug/L	81
8) acetone	4.54	43	184781	242.21	ug/L	92
9) tert-butyl alcohol (TBA)	5.31	59	168788	591.88	ug/L	100
10) acetonitrile	4.96	41	45172m	129.07	ug/L	
11) methyl acetate	4.98	43	434667	180.74	ug/L	93
12) allyl chloride	5.00	41	493071	23.93	ug/L	89
13) iodomethane	4.70	142	291819	16.66	ug/L	92
14) acrylonitrile	5.51	53	71564	55.53	ug/L	98
15) carbon disulfide	4.80	76	684249	18.60	ug/L	97
16) N-Hexane	5.99	57	185702	11.72	ug/L	94
17) diisopropyl ether	6.27	87	81805	10.57	ug/L	78
18) Vinyl acetate	6.23	43	1279773	115.85	ug/L	93
19) chloroprene	6.34	53	415292	32.30	ug/L	89
20) tert-butyl ethyl ether	6.74	59	238383	11.14	ug/L	95
21) 2-butanone (MEK)	6.93	43	174251	112.25	ug/L	95
22) propionitrile	7.00	54	130241	285.16	ug/L	98
23) Isobutyl alcohol	7.72	43	44584	332.39	ug/L	96
24) methacrylonitrile	7.17	67	160871	103.33	ug/L	90
25) Tert-amyl alcohol	7.82	59	455753	1992.61	ug/L	93
26) tetrahydrofuran	7.22	42	229678	227.43	ug/L	94
27) Cyclohexane	7.57	56	344961	11.10	ug/L	93
28) tert-amyl methyl ether (TA)	7.94	73	174616	10.44	ug/L	95
30) methyl methacrylate	8.63	69	162235m	49.31	ug/L	
31) Methylcyclohexane	8.60	55	268911	9.64	ug/L #	77
32) 1,4-dioxane	8.66	88	39028	1015.66	ug/L	91
33) Methyl isobutyl ketone(mib)	9.22	43	396514	96.34	ug/L	90
34) ethyl methacrylate	9.54	69	325549	44.41	ug/L	93
35) 2-hexanone	9.79	43	515379	197.57	ug/L	88
37) 5-Methyl-3-heptanone	11.08	43	130687	27.45	ug/L	93
38) cyclohexanone	10.96	55	86708	357.43	ug/L	89
39) t-1,4-dichloro-2-butene	11.08	75	102176	63.41	ug/L	95
40) Ethyl amyl ketone	11.40	57	57108	18.29	ug/L	90
41) Pentachloroethane	11.46	167	58403	8.04	ug/L	89
42) benzyl chloride	11.74	91	238169	26.36	ug/L	91

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

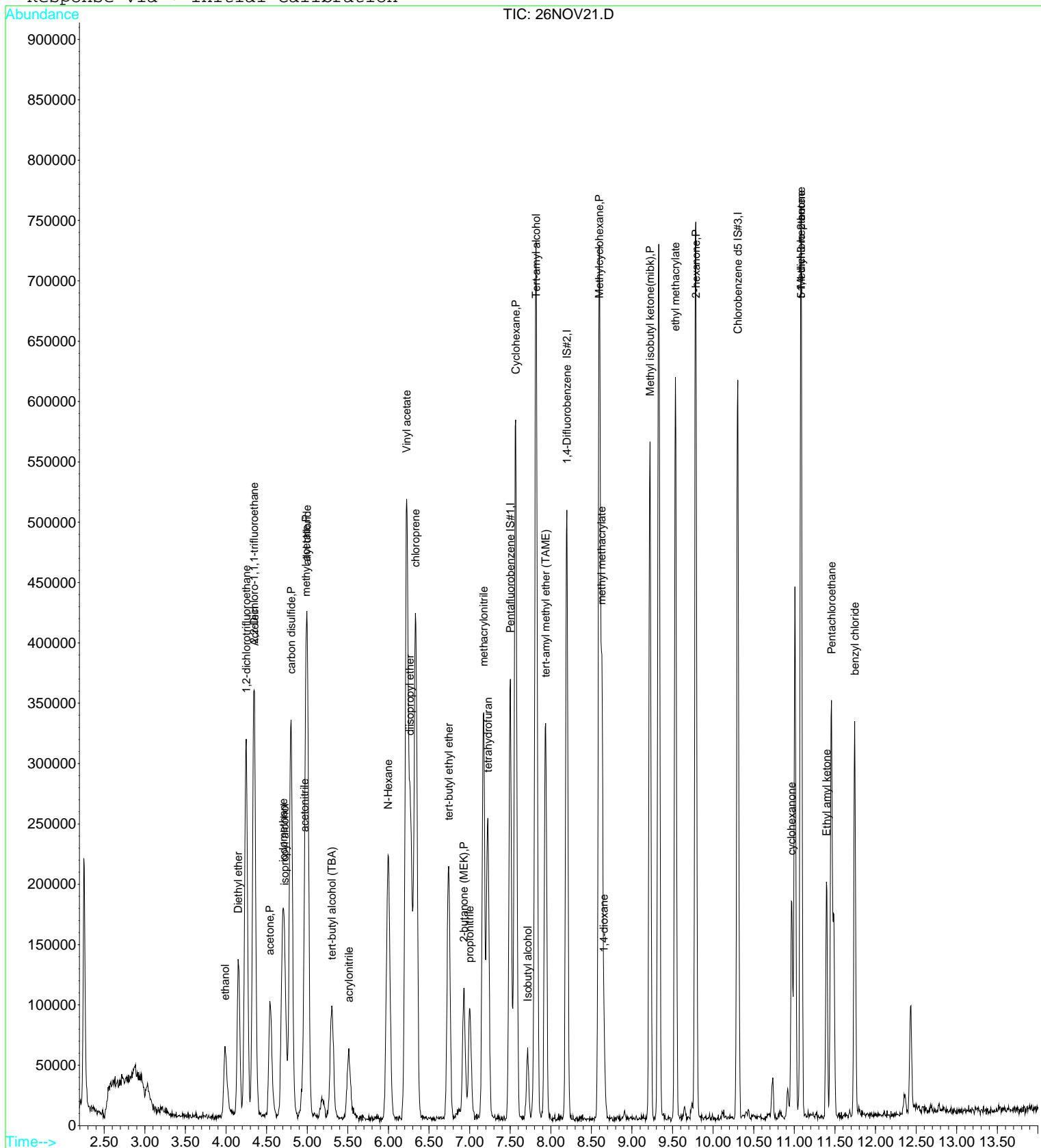
26NOV21.D 82605CX.M Fri Dec 01 10:39:14 2023

Data File : D:\DATA\NOV2023C\NOV26\26NOV21.D
Acq On : 26 Nov 2023 1:12 pm
Sample : 2317504-CAL9
Misc : 1 ;3K26010;25ML
MS Integration Params: rteint.p
Quant Time: Dec 1 8:05 2023

Vial: 21
Operator: MGC
Inst : MS-V5
Multiplr: 1.00

Quant Results File: 82605CX.RES

Method : C:\HPCHEM\1\METHODS\C\202311\26-1336\82605CX.M (RTE Integrator)
Title : EPA Method 8260C/DX
Last Update : Fri Dec 01 10:33:38 2023
Response via : Initial Calibration



Data File : D:\DATA\NOV2023C\NOV26\26NOV22.D
 Acq On : 26 Nov 2023 1:36 pm
 Sample : 2317504-CALA
 Misc : 1 ;3K26011;25ML
 MS Integration Params: rteint.p
 Quant Time: Dec 1 8:06 2023

Vial: 22
 Operator: MGC
 Inst : MS-V5
 Multiplr: 1.00

Quant Results File: 82605CX.RES

Quant Method : C:\HPCHEM\1...\82605CX.M (RTE Integrator)
 Title : EPA Method 8260C/DX
 Last Update : Sun Oct 29 11:13:18 2023
 Response via : Initial Calibration
 DataAcq Meth : 82605

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene IS#1	7.50	137	48196	10.00	ug/L	0.00
29) 1,4-Difluorobenzene IS#2	8.20	63	94595	10.00	ug/L	0.00
36) Chlorobenzene d5 IS#3	10.30	119	112823	10.00	ug/L	0.00

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) ethanol	3.99	45	211223	5620.06	ug/L	98
3) 2,2-Dichloro-1,1,1-trifluo	4.34	83	512555	19.69	ug/L	96
4) 1,2-dichlorotrifluoroethan	4.24	67	453003	25.99	ug/L	87
5) Diethyl ether	4.15	59	196410	34.29	ug/L	94
6) isopropyl alcohol	4.73	45	224503	1200.44	ug/L	89
7) Acrolein	4.35	56	134195	271.48	ug/L	81
8) acetone	4.54	43	363104	452.56	ug/L	92
9) tert-butyl alcohol (TBA)	5.31	59	341553	1138.83	ug/L	100
10) acetonitrile	4.94	41	76644	208.24	ug/L	93
11) methyl acetate	4.98	43	860546	352.68	ug/L	94
12) allyl chloride	5.00	41	872080	40.24	ug/L	96
13) iodomethane	4.70	142	629605	34.18	ug/L	92
14) acrylonitrile	5.51	53	148299	109.42	ug/L	98
15) carbon disulfide	4.80	76	1358069	35.09	ug/L	97
16) N-Hexane	6.00	57	379717	22.78	ug/L	95
17) diisopropyl ether	6.27	87	163914	20.13	ug/L	85
18) Vinyl acetate	6.22	43	2339886	220.34	ug/L	95
19) chloroprene	6.34	53	825213	61.02	ug/L	92
20) tert-butyl ethyl ether	6.74	59	472657	21.00	ug/L	94
21) 2-butanone (MEK)	6.93	43	341325	209.07	ug/L	96
22) propionitrile	7.00	54	260653	542.64	ug/L	99
23) Isobutyl alcohol	7.71	43	87813	622.49	ug/L	99
24) methacrylonitrile	7.17	67	318674	194.62	ug/L	89
25) Tert-amyl alcohol	7.82	59	907921	3952.51	ug/L	95
26) tetrahydrofuran	7.22	42	453122	426.64	ug/L	94
27) Cyclohexane	7.56	56	685735	20.98	ug/L	94
28) tert-amyl methyl ether (TA	7.94	73	356191	20.24	ug/L	95
30) methyl methacrylate	8.63	69	313180m	92.50	ug/L	
31) Methylcyclohexane	8.60	55	532869	18.56	ug/L #	77
32) 1,4-dioxane	8.66	88	79103	2000.43	ug/L	88
33) Methyl isobutyl ketone(mib	9.22	43	766571	180.99	ug/L	93
34) ethyl methacrylate	9.53	69	634645	84.14	ug/L	95
35) 2-hexanone	9.78	43	973494	384.13	ug/L	92
37) 5-Methyl-3-heptanone	11.08	43	263377	54.94	ug/L	94
38) cyclohexanone	10.96	55	170037	696.16	ug/L	88
39) t-1,4-dichloro-2-butene	11.08	75	213552	131.63	ug/L	96
40) Ethyl amyl ketone	11.40	57	119097	37.88	ug/L	91
41) Pentachloroethane	11.45	167	126810	17.34	ug/L	91
42) benzyl chloride	11.74	91	492171	54.09	ug/L	92

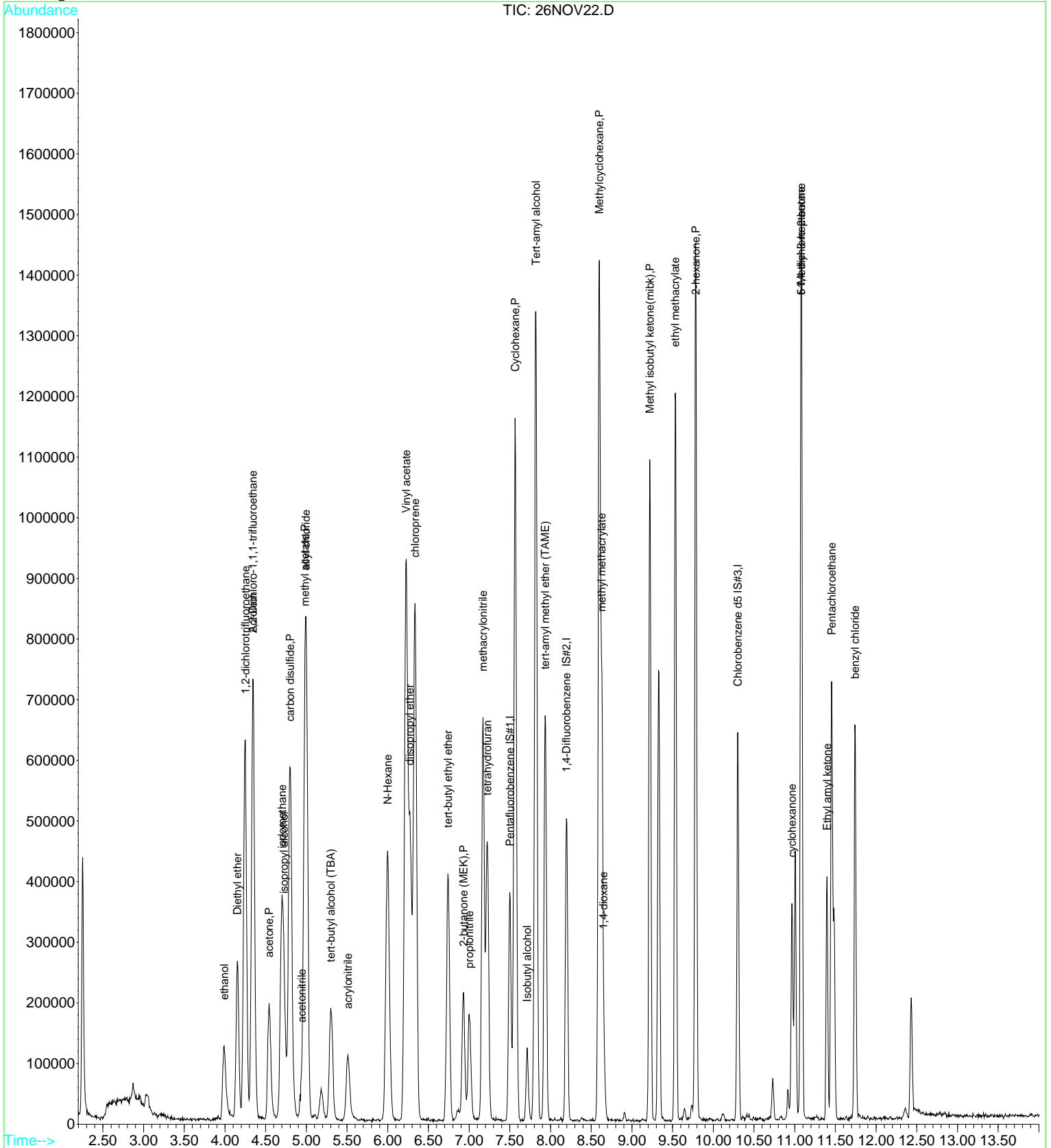
(#) = qualifier out of range (m) = manual integration

Data File : D:\DATA\NOV2023C\NOV26\26NOV22.D
Acq On : 26 Nov 2023 1:36 pm
Sample : 2317504-CALA
Misc : 1 ;3K26011;25ML
MS Integration Params: rteint.p
Quant Time: Dec 1 8:06 2023

Vial: 22
Operator: MGC
Inst : MS-V5
Multiplr: 1.00

Quant Results File: 82605CX.RES

Method : C:\HPCHEM\1\METHODS\C\202311\26-1336\82605CX.M (RTE Integrator)
Title : EPA Method 8260C/DX
Last Update : Fri Dec 01 10:33:38 2023
Response via : Initial Calibration



Data File : D:\DATA\NOV2023C\NOV26\26NOV23.D
 Acq On : 26 Nov 2023 2:00 pm
 Sample : 2317504-CALB
 Misc : 1 ;3K26012;25ML
 MS Integration Params: rteint.p
 Quant Time: Dec 1 8:07 2023

Vial: 23
 Operator: MGC
 Inst : MS-V5
 Multiplr: 1.00

Quant Results File: 82605CX.RES

Quant Method : C:\HPCHEM\1...\82605CX.M (RTE Integrator)
 Title : EPA Method 8260C/DX
 Last Update : Sun Oct 29 11:13:18 2023
 Response via : Initial Calibration
 DataAcq Meth : 82605

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene IS#1	7.50	137	45738	10.00	ug/L	0.00
29) 1,4-Difluorobenzene IS#2	8.20	63	94360	10.00	ug/L	0.00
36) Chlorobenzene d5 IS#3	10.30	119	110455	10.00	ug/L	0.00

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) ethanol	3.99	45	319748	8964.81	ug/L	100
3) 2,2-Dichloro-1,1,1-trifluo	4.34	83	972015	39.34	ug/L	96
4) 1,2-dichlorotrifluoroethan	4.25	67	859994	52.00	ug/L	88
5) Diethyl ether	4.15	59	376479	69.26	ug/L	95
6) isopropyl alcohol	4.73	45	333320	1878.07	ug/L	91
7) Acrolein	4.35	56	205494	438.06	ug/L	78
8) acetone	4.54	43	515068	676.46	ug/L	94
9) tert-butyl alcohol (TBA)	5.31	59	489892	1721.22	ug/L	100
10) acetonitrile	4.93	41	107711	308.37	ug/L #	75
11) methyl acetate	4.98	43	1549259	720.00	ug/L	97
12) allyl chloride	5.00	41	1219090	59.28	ug/L	95
13) iodomethane	4.70	142	897536	51.34	ug/L	90
14) acrylonitrile	5.51	53	218864	170.16	ug/L	98
15) carbon disulfide	4.80	76	1851681	50.42	ug/L	99
16) N-Hexane	5.99	57	739544	46.75	ug/L	96
17) diisopropyl ether	6.28	87	233814	30.26	ug/L	85
18) Vinyl acetate	6.22	43	3112705	345.81	ug/L	96
19) chloroprene	6.34	53	1149216	89.55	ug/L	92
20) tert-butyl ethyl ether	6.74	59	670899	31.40	ug/L	95
21) 2-butanone (MEK)	6.93	43	489894	316.20	ug/L	95
22) propionitrile	7.00	54	406832	892.47	ug/L	97
23) Isobutyl alcohol	7.72	43	133774	999.26	ug/L	98
24) methacrylonitrile	7.17	67	462558	297.68	ug/L	95
25) Tert-amyl alcohol	7.82	59	1590708	8047.02	ug/L	98
26) tetrahydrofuran	7.22	42	642958	637.91	ug/L	95
27) Cyclohexane	7.57	56	1265471	40.80	ug/L	95
28) tert-amyl methyl ether (TA	7.94	73	502270	30.07	ug/L	94
30) methyl methacrylate	8.63	69	446111m	132.08	ug/L	
31) Methylcyclohexane	8.60	55	972916	33.97	ug/L #	84
32) 1,4-dioxane	8.65	88	120489	3054.62	ug/L	88
33) Methyl isobutyl ketone(mib	9.22	43	1056790	250.13	ug/L	96
34) ethyl methacrylate	9.53	69	886942	117.88	ug/L	97
35) 2-hexanone	9.79	43	1316100	543.45	ug/L	95
37) 5-Methyl-3-heptanone	11.08	43	489205	104.23	ug/L	95
38) cyclohexanone	10.97	55	267917	1120.42	ug/L	91
39) t-1,4-dichloro-2-butene	11.08	75	309761	195.02	ug/L	96
40) Ethyl amyl ketone	11.39	57	246619	80.12	ug/L	94
41) Pentachloroethane	11.46	167	170177	23.77	ug/L	95
42) benzyl chloride	11.74	91	675564	75.84	ug/L	94

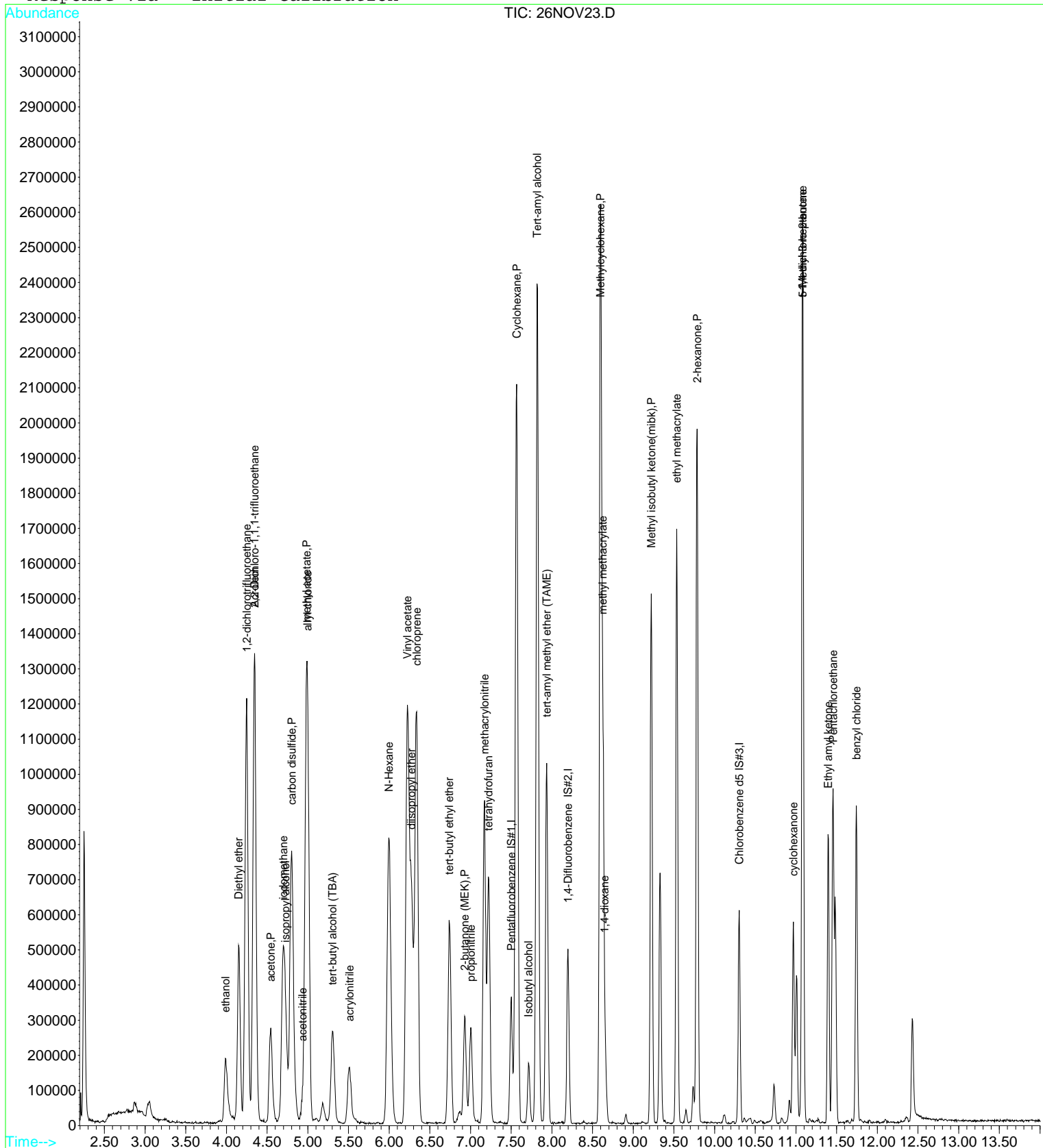
(#) = qualifier out of range (m) = manual integration

Data File : D:\DATA\NOV2023C\NOV26\26NOV23.D
Acq On : 26 Nov 2023 2:00 pm
Sample : 2317504-CALB
Misc : 1 ;3K26012;25ML
MS Integration Params: rteint.p
Quant Time: Dec 1 8:07 2023

Vial: 23
Operator: MGC
Inst : MS-V5
Multiplr: 1.00

Quant Results File: 82605CX.RES

Method : C:\HPCHEM\1\METHODS\C\202311\26-1336\82605CX.M (RTE Integrator)
Title : EPA Method 8260C/DX
Last Update : Fri Dec 01 10:33:38 2023
Response via : Initial Calibration



Data File : D:\DATA\NOV2023C\NOV26\26NOV24.D
 Acq On : 26 Nov 2023 2:24 pm
 Sample : 2317504-CALC
 Misc : 1 ;3K26013;25ML
 MS Integration Params: rteint.p
 Quant Time: Dec 1 8:33 2023

Vial: 24
 Operator: MGC
 Inst : MS-V5
 Multiplr: 1.00

Quant Results File: 82605CX.RES

Quant Method : C:\HPCHEM\1...\82605CX.M (RTE Integrator)
 Title : EPA Method 8260C/DX
 Last Update : Sun Oct 29 11:13:18 2023
 Response via : Initial Calibration
 DataAcq Meth : 82605

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene IS#1	7.50	137	49789	10.00	ug/L	0.00
29) 1,4-Difluorobenzene IS#2	8.20	63	93390	10.00	ug/L	0.00
36) Chlorobenzene d5 IS#3	10.30	119	111902	10.00	ug/L	0.00

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) ethanol	3.99	45	471530	12144.69	ug/L	100
3) 2,2-Dichloro-1,1,1-trifluo	4.34	83	1793482	66.68	ug/L	98
4) 1,2-dichlorotrifluoroethan	4.25	67	1595665	88.63	ug/L	90
5) Diethyl ether	4.15	59	714909	120.82	ug/L	96
6) isopropyl alcohol	4.74	45	484160	2506.02	ug/L	98
7) Acrolein	4.35	56	303719	594.78	ug/L	84
8) acetone	4.54	43	797038	961.61	ug/L	96
9) tert-butyl alcohol (TBA)	5.31	59	764067	2466.10	ug/L	100
10) acetonitrile	4.93	41	172188	452.86	ug/L #	83
11) methyl acetate	4.97	43	2622949	1255.70	ug/L	98
12) allyl chloride	5.00	41	2073763m	92.64	ug/L	
13) iodomethane	4.70	142	1482902	77.93	ug/L	90
14) acrylonitrile	5.51	53	335053	239.30	ug/L	99
15) carbon disulfide	4.80	76	2897449	72.48	ug/L	99
16) N-Hexane	5.99	57	1422859	82.62	ug/L	96
17) diisopropyl ether	6.27	87	390976	46.48	ug/L	93
18) Vinyl acetate	6.22	43	4311440	534.76	ug/L	98
19) chloroprene	6.33	53	1807157	129.36	ug/L	95
20) tert-butyl ethyl ether	6.74	59	1066201	45.85	ug/L	96
21) 2-butanone (MEK)	6.93	43	772764	458.19	ug/L	96
22) propionitrile	7.00	54	604762	1218.73	ug/L	97
23) Isobutyl alcohol	7.72	43	190775	1309.10	ug/L	98
24) methacrylonitrile	7.17	67	726100	429.26	ug/L	97
25) Tert-amyl alcohol	7.82	59	2551074m	13840.67	ug/L	
26) tetrahydrofuran	7.22	42	1008558	919.23	ug/L	96
27) Cyclohexane	7.57	56	2221600	65.80	ug/L	97
28) tert-amyl methyl ether (TA	7.94	73	809213	44.51	ug/L	97
30) methyl methacrylate	8.63	69	725647m	217.08	ug/L	
31) Methylcyclohexane	8.60	55	1741187	61.42	ug/L	88
32) 1,4-dioxane	8.66	88	187422	4800.85	ug/L	87
33) Methyl isobutyl ketone(mib	9.22	43	1526482	365.06	ug/L	100
34) ethyl methacrylate	9.53	69	1378703m	185.14	ug/L	
35) 2-hexanone	9.79	43	1822675	818.64	ug/L	98
37) 5-Methyl-3-heptanone	11.08	43	883020	185.70	ug/L	96
38) cyclohexanone	10.97	55	337139	1391.67	ug/L	92
39) t-1,4-dichloro-2-butene	11.08	75	477779	296.91	ug/L	95
40) Ethyl amyl ketone	11.39	57	437629	140.33	ug/L	95
41) Pentachloroethane	11.46	167	293744	40.50	ug/L	94
42) benzyl chloride	11.74	91	1038395	115.07	ug/L	96

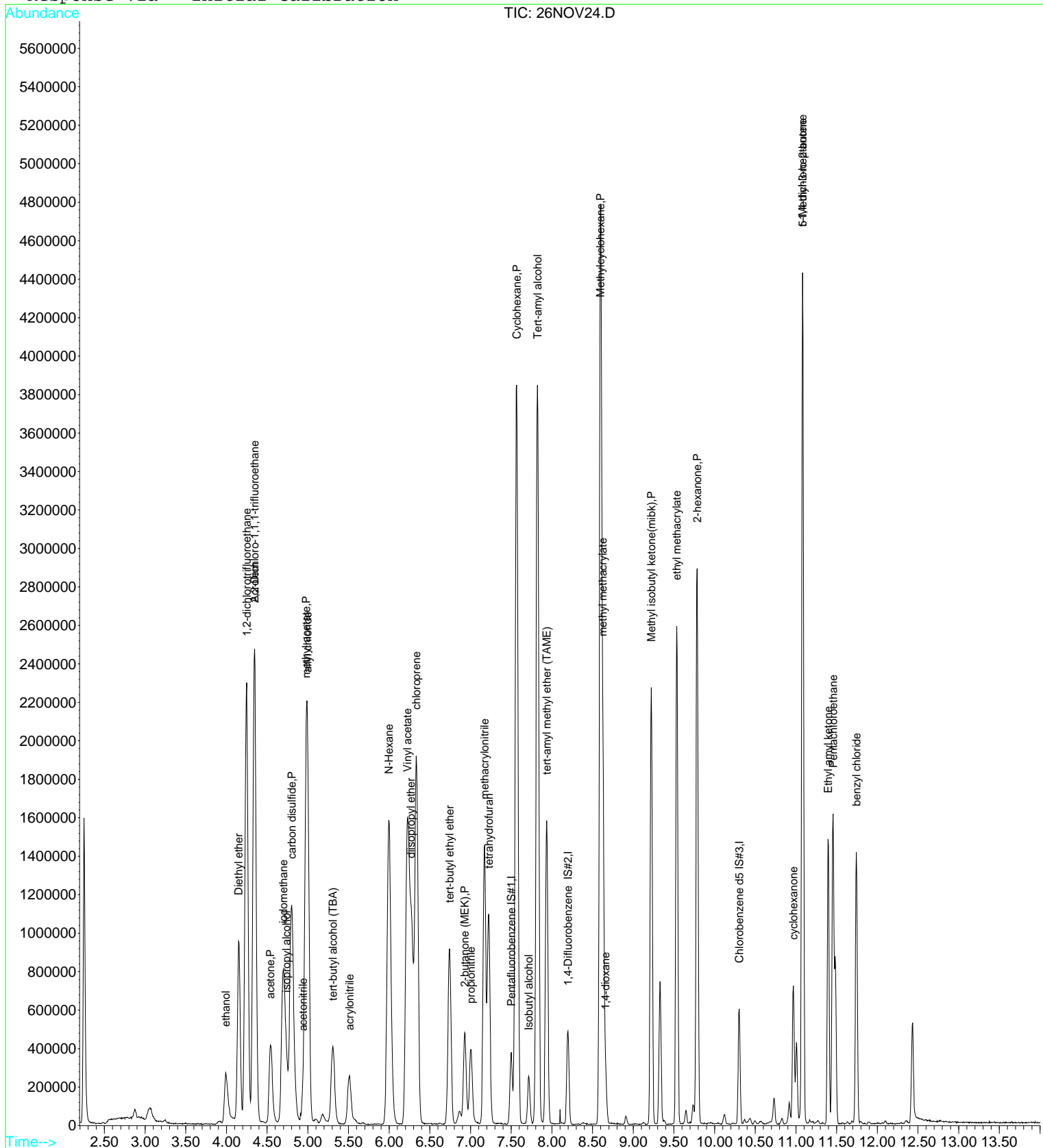
(#) = qualifier out of range (m) = manual integration

Data File : D:\DATA\NOV2023C\NOV26\26NOV24.D
Acq On : 26 Nov 2023 2:24 pm
Sample : 2317504-CALC
Misc : 1 ;3K26013;25ML
MS Integration Params: rteint.p
Quant Time: Dec 1 8:33 2023

Vial: 24
Operator: MGC
Inst : MS-V5
Multiplr: 1.00

Quant Results File: 82605CX.RES

Method : C:\HPCHEM\1\METHODS\C\202311\26-1336\82605CX.M (RTE Integrator)
Title : EPA Method 8260C/DX
Last Update : Fri Dec 01 10:33:38 2023
Response via : Initial Calibration



Data File : D:\DATA\NOV2023C\NOV26\26NOV31.D
 Acq On : 26 Nov 2023 5:12 pm
 Sample : 2317504-CALD
 Misc : 1 ;3K26015;25ML
 MS Integration Params: rteint.p
 Quant Time: Dec 1 9:38 2023

Vial: 31
 Operator: MGC
 Inst : MS-V5
 Multiplr: 1.00

Quant Results File: TPPH5C.RES

Quant Method : C:\HPCHEM\1...\TPPH5C.M (RTE Integrator)
 Title : EPA Method TPPH Gasoline C/D
 Last Update : Sun Oct 29 11:32:35 2023
 Response via : Initial Calibration
 DataAcq Meth : 82605

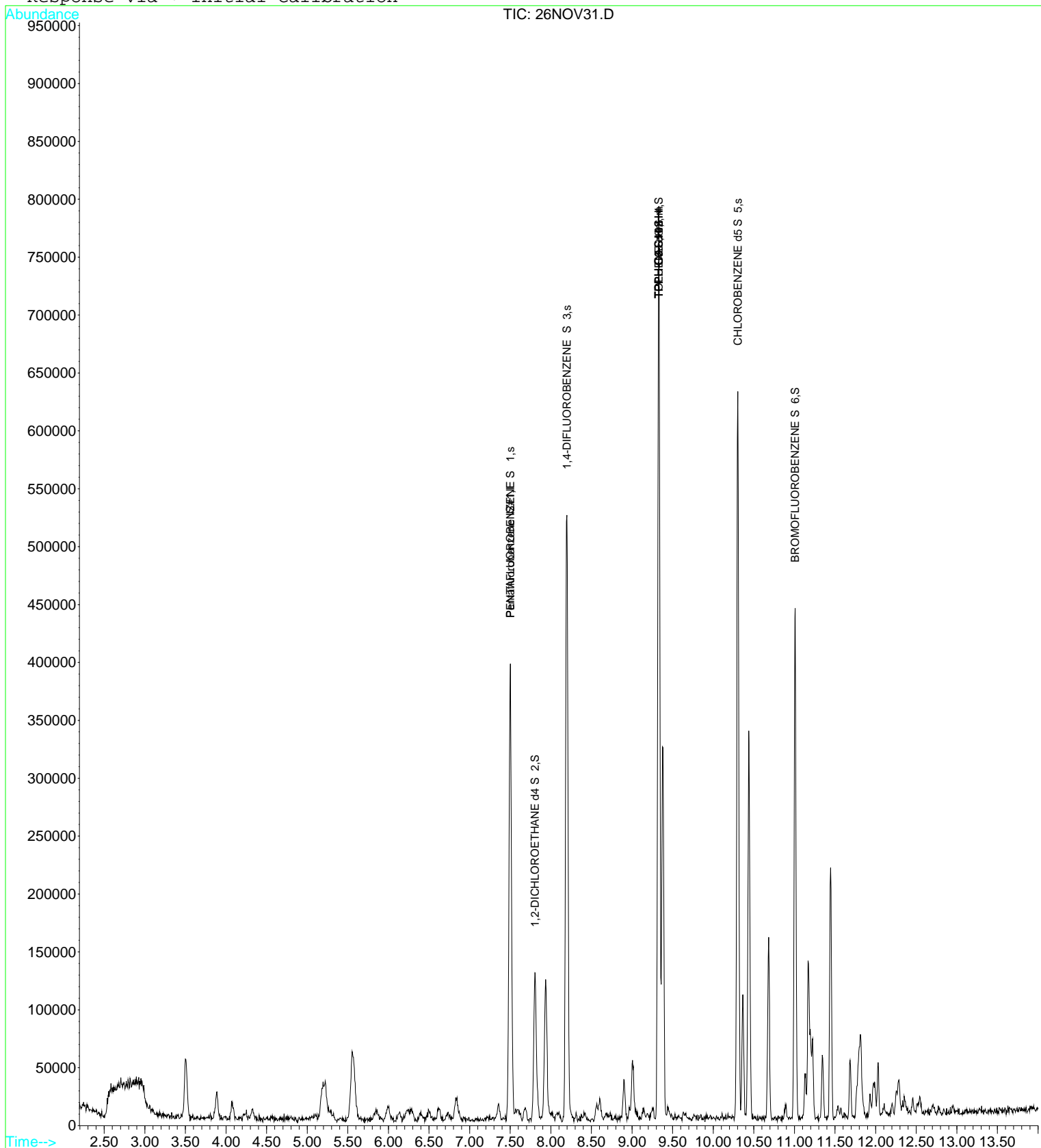
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene IS#1	7.50	137	47626	10.00	ug/L	0.00
System Monitoring Compounds						
2) PENTAFLUOROBENZENE S 1	7.50	TIC	891762m	6.58	ug/L	0.00
3) 1,2-DICHLOROETHANE d4 S 2	7.80	TIC	339128m	3.91	ug/L	0.00
4) 1,4-DIFLUOROBENZENE S 3	8.20	TIC	1094381m	6.22	ug/L	0.00
5) TOLUENE d8 S 4	9.33	TIC	1411548m	10.09	ug/L	0.00
6) CHLOROBENZENE d5 S 5	10.30	TIC	1072214m	10.17	ug/L	0.00
7) BROMOFLUOROBENZENE S 6	11.01	TIC	759595m	10.84	ug/L	-0.02
Target Compounds						
8) TPPH-GAS	9.33	TIC	4827042m	56.02	ug/L	Qvalue
9) TPPH C6-C10	9.33	TIC	3713929m	69.52	ug/L	
10) TPPH C6--->12	9.33	TIC	3737066m	49.85	ug/L	

Data File : D:\DATA\NOV2023C\NOV26\26NOV31.D
Acq On : 26 Nov 2023 5:12 pm
Sample : 2317504-CALD
Misc : 1 ;3K26015;25ML
MS Integration Params: rteint.p
Quant Time: Dec 1 9:38 2023

Vial: 31
Operator: MGC
Inst : MS-V5
Multiplr: 1.00

Quant Results File: TPPH5C.RES

Method : C:\HPCHEM\1\METHODS\C\202311\26-1800\TPPH5C.M (RTE Integrator)
Title : EPA Method TPPH Gasoline C/D
Last Update : Sun Oct 29 11:32:35 2023
Response via : Initial Calibration



Data File : D:\DATA\NOV2023C\NOV26\26NOV32.D
 Acq On : 26 Nov 2023 5:36 pm
 Sample : 2317504-CALE
 Misc : 1 ;3K26016;25ML
 MS Integration Params: rteint.p
 Quant Time: Dec 1 9:39 2023

Vial: 32
 Operator: MGC
 Inst : MS-V5
 Multiplr: 1.00

Quant Results File: TPPH5C.RES

Quant Method : C:\HPCHEM\1...\TPPH5C.M (RTE Integrator)
 Title : EPA Method TPPH Gasoline C/D
 Last Update : Sun Oct 29 11:32:35 2023
 Response via : Initial Calibration
 DataAcq Meth : 82605

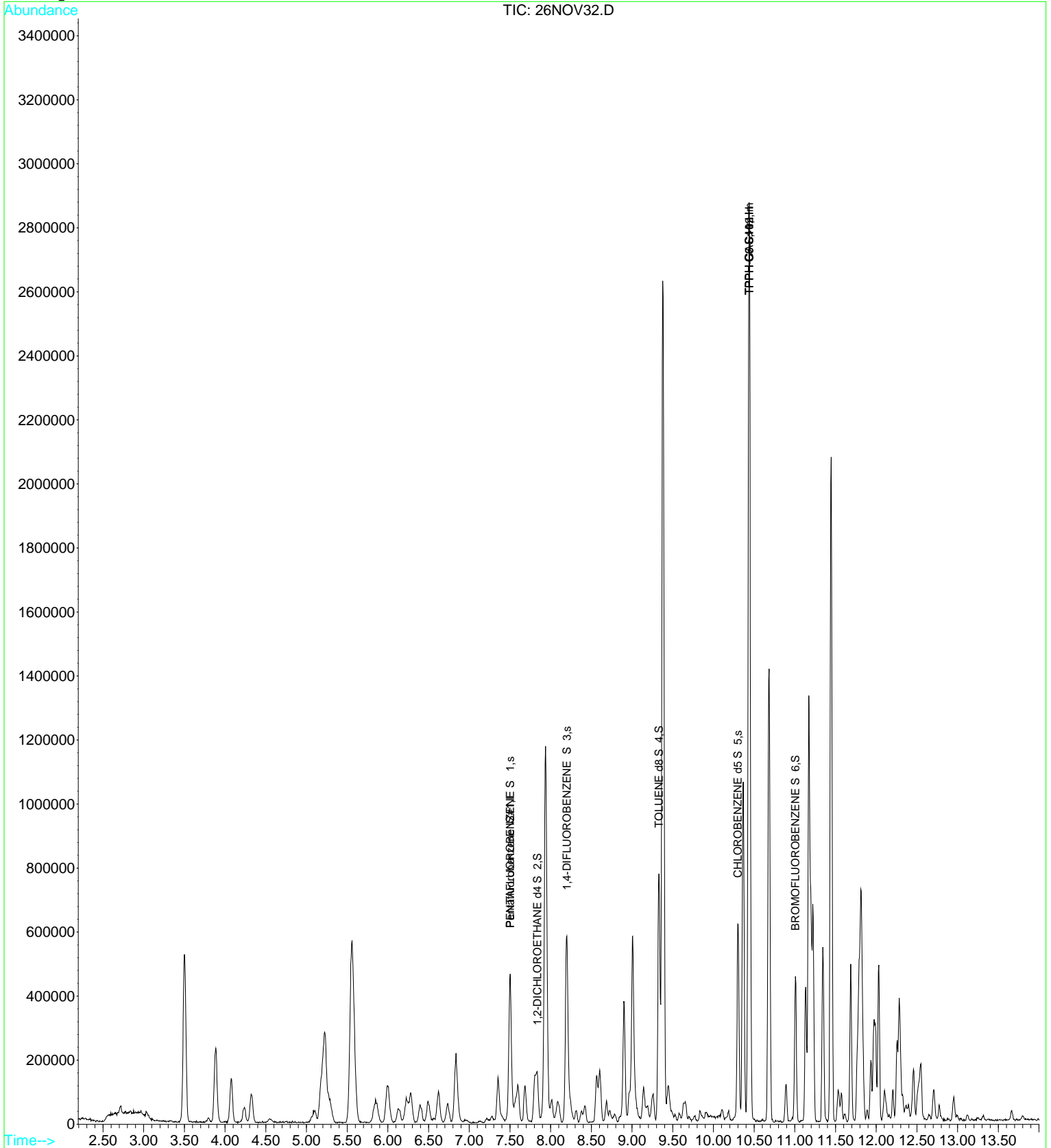
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene IS#1	7.50	137	47709	10.00	ug/L	0.00
System Monitoring Compounds						
2) PENTAFLUOROBENZENE S 1	7.50	TIC	1097975m	8.08	ug/L	0.00
3) 1,2-DICHLOROETHANE d4 S 2	7.83	TIC	624203m	7.18	ug/L	0.02
4) 1,4-DIFLUOROBENZENE S 3	8.20	TIC	1513559m	8.59	ug/L	0.00
5) TOLUENE d8 S 4	9.33	TIC	1518391m	10.83	ug/L	0.00
6) CHLOROBENZENE d5 S 5	10.30	TIC	1139232m	10.79	ug/L	-0.01
7) BROMOFLUOROBENZENE S 6	11.01	TIC	777115m	11.07	ug/L	-0.02
Target Compounds						
8) TPPH-GAS	10.44	TIC	53528105m	620.12	ug/L	Qvalue
9) TPPH C6-C10	10.44	TIC	33113075m	618.73	ug/L	
10) TPPH C6--->12	10.44	TIC	45084586m	600.38	ug/L	

Data File : D:\DATA\NOV2023C\NOV26\26NOV32.D
Acq On : 26 Nov 2023 5:36 pm
Sample : 2317504-CALE
Misc : 1 ;3K26016;25ML
MS Integration Params: rteint.p
Quant Time: Dec 1 9:39 2023

Vial: 32
Operator: MGC
Inst : MS-V5
Multiplr: 1.00

Quant Results File: TPPH5C.RES

Method : C:\HPCHEM\1\METHODS\C\202311\26-1800\TPPH5C.M (RTE Integrator)
Title : EPA Method TPPH Gasoline C/D
Last Update : Sun Oct 29 11:32:35 2023
Response via : Initial Calibration



Data File : D:\DATA\NOV2023C\NOV26\26NOV33.D
 Acq On : 26 Nov 2023 6:00 pm
 Sample : 2317504-CALF
 Misc : 1 ;3K26017;25ML
 MS Integration Params: rteint.p
 Quant Time: Dec 1 9:40 2023

Vial: 33
 Operator: MGC
 Inst : MS-V5
 Multiplr: 1.00

Quant Results File: TPPH5C.RES

Quant Method : C:\HPCHEM\1...\TPPH5C.M (RTE Integrator)
 Title : EPA Method TPPH Gasoline C/D
 Last Update : Sun Oct 29 11:32:35 2023
 Response via : Initial Calibration
 DataAcq Meth : 82605

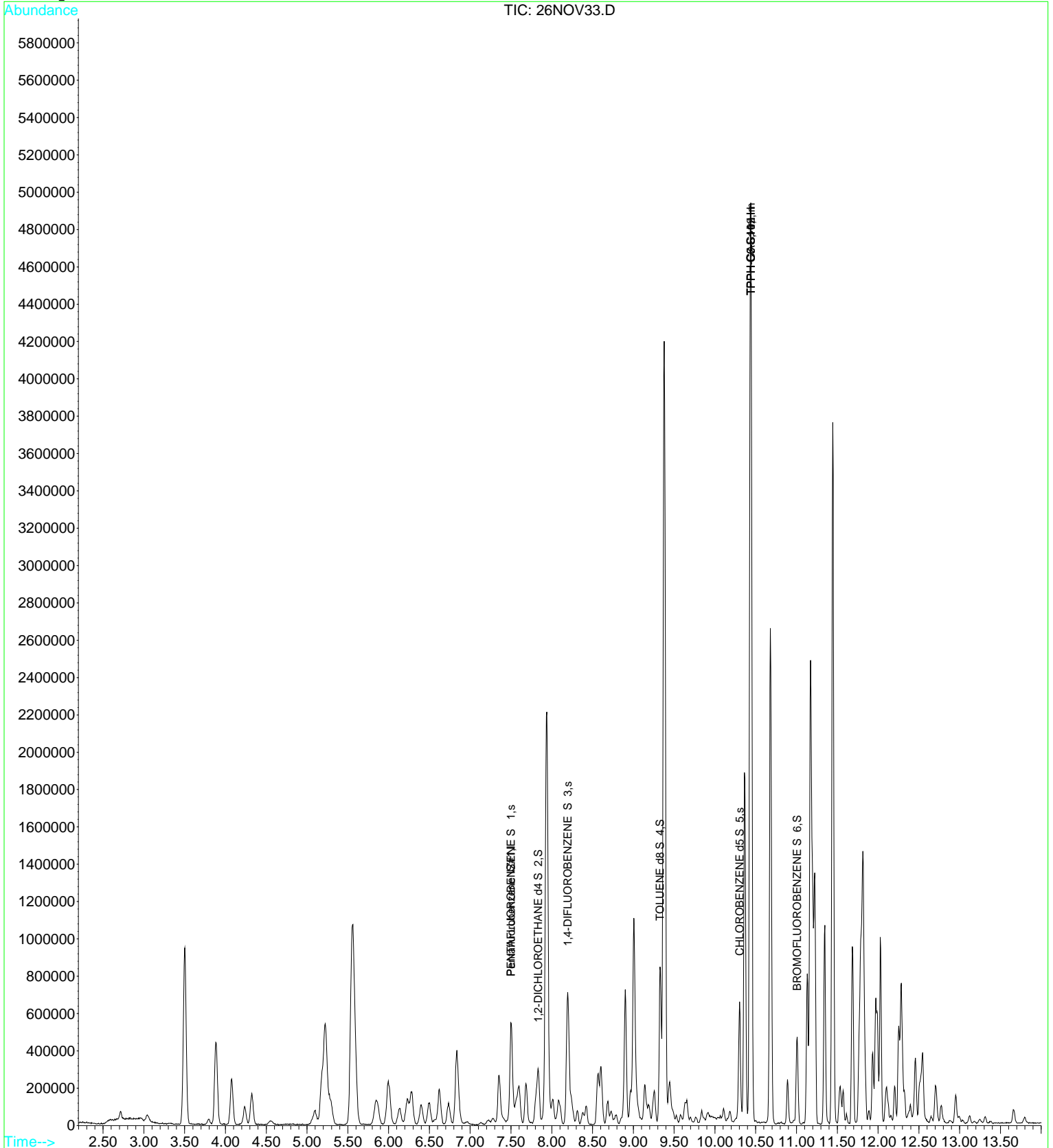
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene IS#1	7.50	137	48188	10.00	ug/L	0.00
System Monitoring Compounds						
2) PENTAFLUOROBENZENE S 1	7.50	TIC	1376946m	10.04	ug/L	0.00
3) 1,2-DICHLOROETHANE d4 S 2	7.83	TIC	917743m	10.45	ug/L	0.02
4) 1,4-DIFLUOROBENZENE S 3	8.20	TIC	2005468m	11.26	ug/L	0.00
5) TOLUENE d8 S 4	9.33	TIC	1597357m	11.28	ug/L	-0.01
6) CHLOROBENZENE d5 S 5	10.30	TIC	1215672m	11.40	ug/L	-0.01
7) BROMOFLUOROBENZENE S 6	11.01	TIC	802988m	11.32	ug/L	-0.02
Target Compounds						
8) TPPH-GAS	10.44	TIC	97535976m	1118.73	ug/L	Qvalue
9) TPPH C6-C10	10.44	TIC	60403809m	1117.45	ug/L	
10) TPPH C6--->12	10.44	TIC	83441947m	1100.12	ug/L	

Data File : D:\DATA\NOV2023C\NOV26\26NOV33.D
Acq On : 26 Nov 2023 6:00 pm
Sample : 2317504-CALF
Misc : 1 ;3K26017;25ML
MS Integration Params: rteint.p
Quant Time: Dec 1 9:40 2023

Vial: 33
Operator: MGC
Inst : MS-V5
Multiplr: 1.00

Quant Results File: TPPH5C.RES

Method : C:\HPCHEM\1\METHODS\C\202311\26-1800\TPPH5C.M (RTE Integrator)
Title : EPA Method TPPH Gasoline C/D
Last Update : Sun Oct 29 11:32:35 2023
Response via : Initial Calibration



Data File : D:\DATA\NOV2023C\NOV26\26NOV34.D
 Acq On : 26 Nov 2023 6:24 pm
 Sample : 2317504-CALG
 Misc : 1 ;3K26018;25ML
 MS Integration Params: rteint.p
 Quant Time: Dec 1 9:41 2023

Vial: 34
 Operator: MGC
 Inst : MS-V5
 Multiplr: 1.00

Quant Results File: TPPH5C.RES

Quant Method : C:\HPCHEM\1...\TPPH5C.M (RTE Integrator)
 Title : EPA Method TPPH Gasoline C/D
 Last Update : Sun Oct 29 11:32:35 2023
 Response via : Initial Calibration
 DataAcq Meth : 82605

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene IS#1	7.50	137	47735	10.00	ug/L	0.00

System Monitoring Compounds

2) PENTAFLUOROBENZENE S 1	7.51	TIC	1720707m	12.66	ug/L	0.00
3) 1,2-DICHLOROETHANE d4 S 2	7.83	TIC	1220772m	14.03	ug/L	0.02
4) 1,4-DIFLUOROBENZENE S 3	8.20	TIC	2483876m	14.08	ug/L	0.00
5) TOLUENE d8 S 4	9.33	TIC	1661469m	11.85	ug/L	0.00
6) CHLOROBENZENE d5 S 5	10.30	TIC	1244588m	11.78	ug/L	-0.01
7) BROMOFLUOROBENZENE S 6	11.01	TIC	807152m	11.49	ug/L	-0.02

Target Compounds

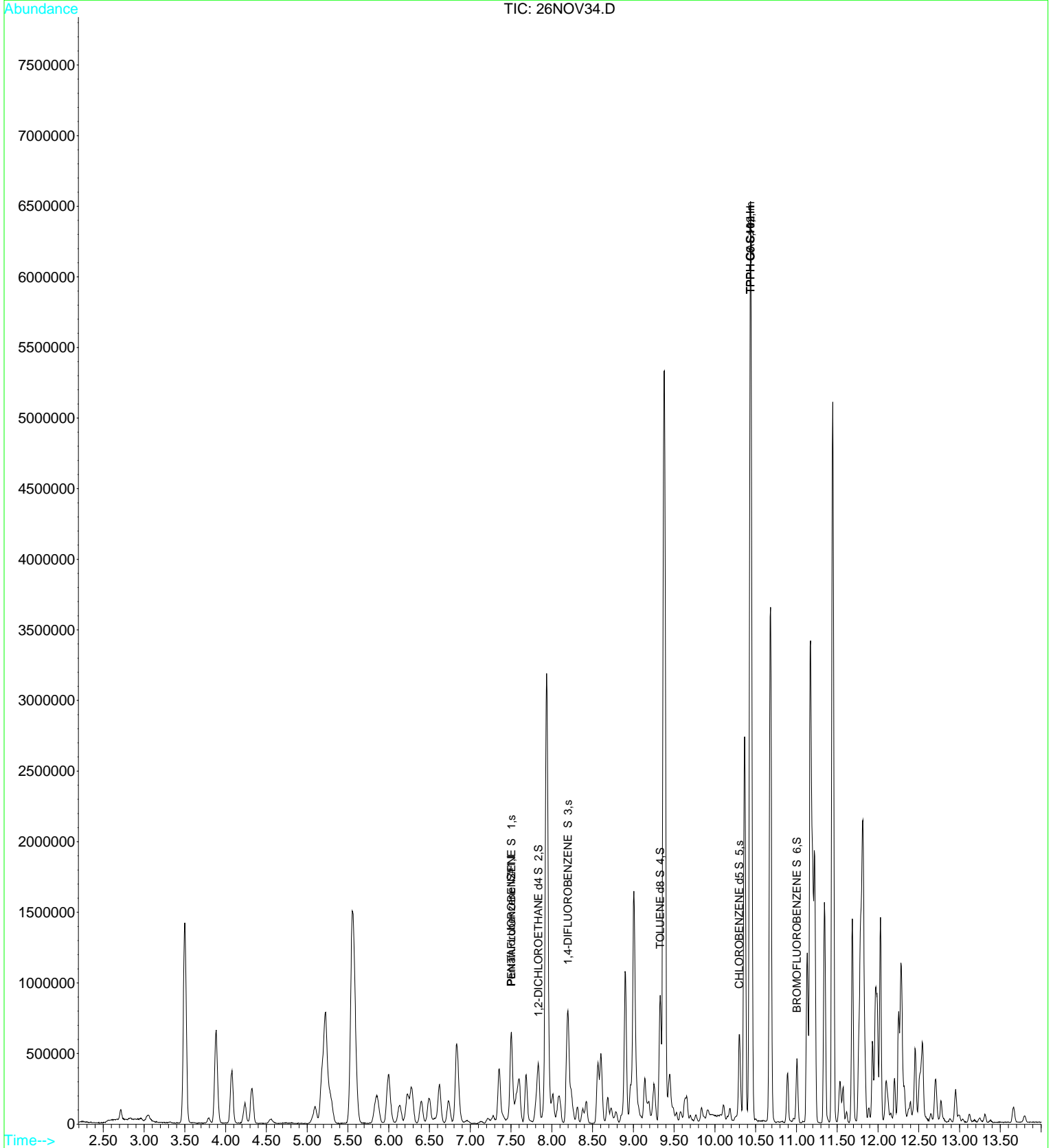
	R.T.	QIon	Response	Conc	Units	Qvalue
8) TPPH-GAS	10.44	TIC	140408974m	1625.76	ug/L	
9) TPPH C6-C10	10.44	TIC	86592820m	1617.13	ug/L	
10) TPPH C6--->12	10.44	TIC	120450507m	1603.12	ug/L	

Data File : D:\DATA\NOV2023\NOV26\26NOV34.D
Acq On : 26 Nov 2023 6:24 pm
Sample : 2317504-CALG
Misc : 1 ;3K26018;25ML
MS Integration Params: rteint.p
Quant Time: Dec 1 9:41 2023

Vial: 34
Operator: MGC
Inst : MS-V5
Multiplr: 1.00

Quant Results File: TPPH5C.RES

Method : C:\HPCHEM\1\METHODS\C\202311\26-1800\TPPH5C.M (RTE Integrator)
Title : EPA Method TPPH Gasoline C/D
Last Update : Sun Oct 29 11:32:35 2023
Response via : Initial Calibration



Data File : D:\DATA\NOV2023C\NOV26\26NOV35.D
 Acq On : 26 Nov 2023 6:48 pm
 Sample : 2317504-CALH
 Misc : 1 ;3K26019;25ML
 MS Integration Params: rteint.p
 Quant Time: Dec 1 9:42 2023

Vial: 35
 Operator: MGC
 Inst : MS-V5
 Multiplr: 1.00

Quant Results File: TPPH5C.RES

Quant Method : C:\HPCHEM\1...\TPPH5C.M (RTE Integrator)
 Title : EPA Method TPPH Gasoline C/D
 Last Update : Sun Oct 29 11:32:35 2023
 Response via : Initial Calibration
 DataAcq Meth : 82605

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene IS#1	7.50	137	44107	10.00	ug/L	0.00

System Monitoring Compounds

2) PENTAFLUOROBENZENE S 1	7.51	TIC	1781433m	14.19	ug/L	0.00
3) 1,2-DICHLOROETHANE d4 S 2	7.83	TIC	1452737m	18.07	ug/L	0.02
4) 1,4-DIFLUOROBENZENE S 3	8.20	TIC	2875247m	17.64	ug/L	0.00
5) TOLUENE d8 S 4	9.33	TIC	1742070m	13.44	ug/L	0.00
6) CHLOROBENZENE d5 S 5	10.30	TIC	1252989m	12.83	ug/L	0.00
7) BROMOFLUOROBENZENE S 6	11.01	TIC	815538m	12.56	ug/L	-0.02

Target Compounds

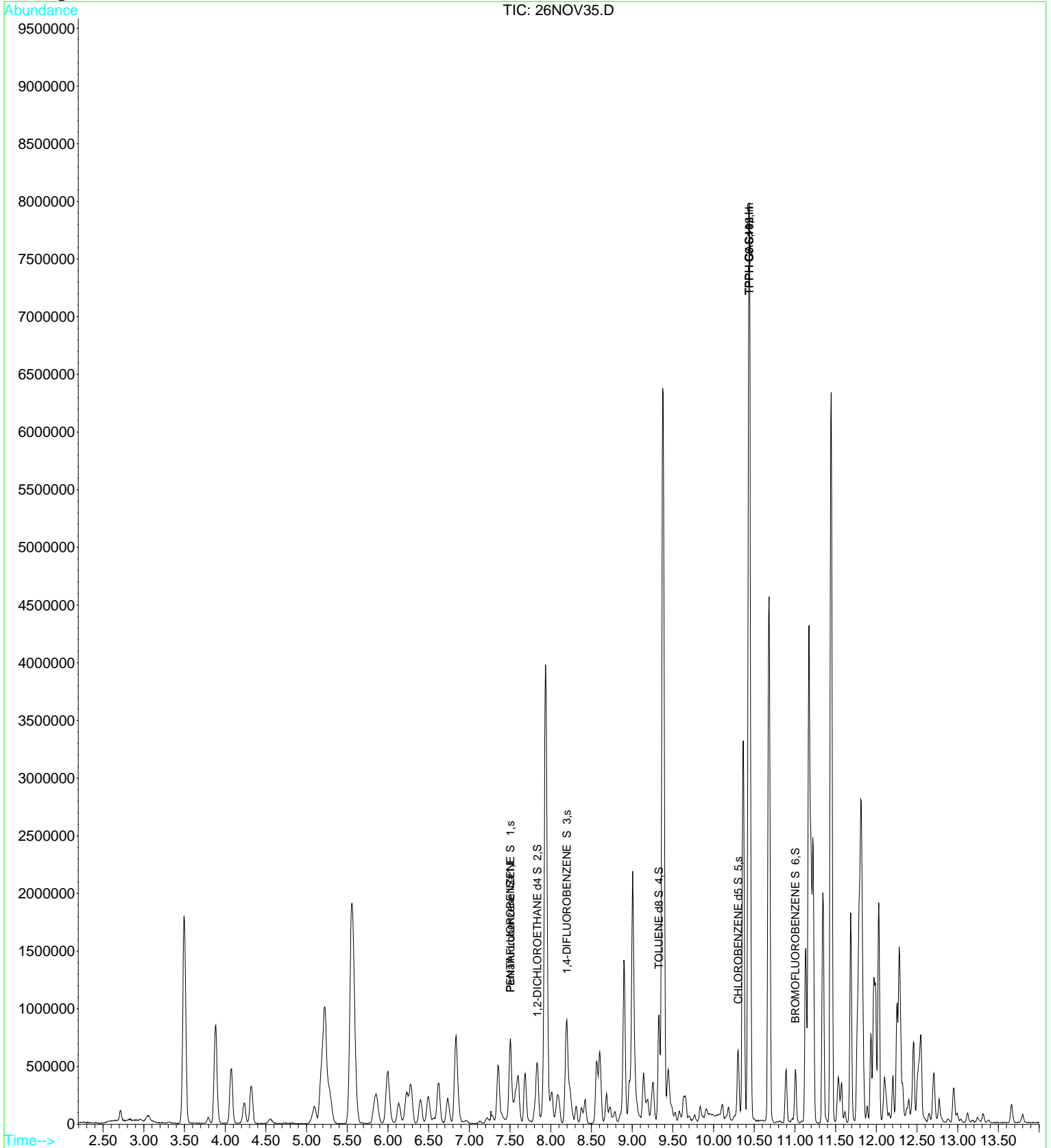
	R.T.	QIon	Response	Conc	Units	Qvalue
8) TPPH-GAS	10.44	TIC	178885170m	2241.63	ug/L	
9) TPPH C6-C10	10.44	TIC	109788462m	2218.96	ug/L	
10) TPPH C6--->12	10.44	TIC	153500900m	2211.05	ug/L	

Data File : D:\DATA\NOV2023C\NOV26\26NOV35.D
Acq On : 26 Nov 2023 6:48 pm
Sample : 2317504-CALH
Misc : 1 ;3K26019;25ML
MS Integration Params: rteint.p
Quant Time: Dec 1 9:42 2023

Vial: 35
Operator: MGC
Inst : MS-V5
Multiplr: 1.00

Quant Results File: TPPH5C.RES

Method : C:\HPCHEM\1\METHODS\C\202311\26-1800\TPPH5C.M (RTE Integrator)
Title : EPA Method TPPH Gasoline C/D
Last Update : Sun Oct 29 11:32:35 2023
Response via : Initial Calibration



Data File : D:\DATA\NOV2023C\NOV26\26NOV36.D
 Acq On : 26 Nov 2023 7:12 pm
 Sample : 2317504-CALI
 Misc : 1 ;3K26020;25ML
 MS Integration Params: rteint.p
 Quant Time: Dec 1 9:43 2023

Vial: 36
 Operator: MGC
 Inst : MS-V5
 Multiplr: 1.00

Quant Results File: TPPH5C.RES

Quant Method : C:\HPCHEM\1...\TPPH5C.M (RTE Integrator)
 Title : EPA Method TPPH Gasoline C/D
 Last Update : Sun Oct 29 11:32:35 2023
 Response via : Initial Calibration
 DataAcq Meth : 82605

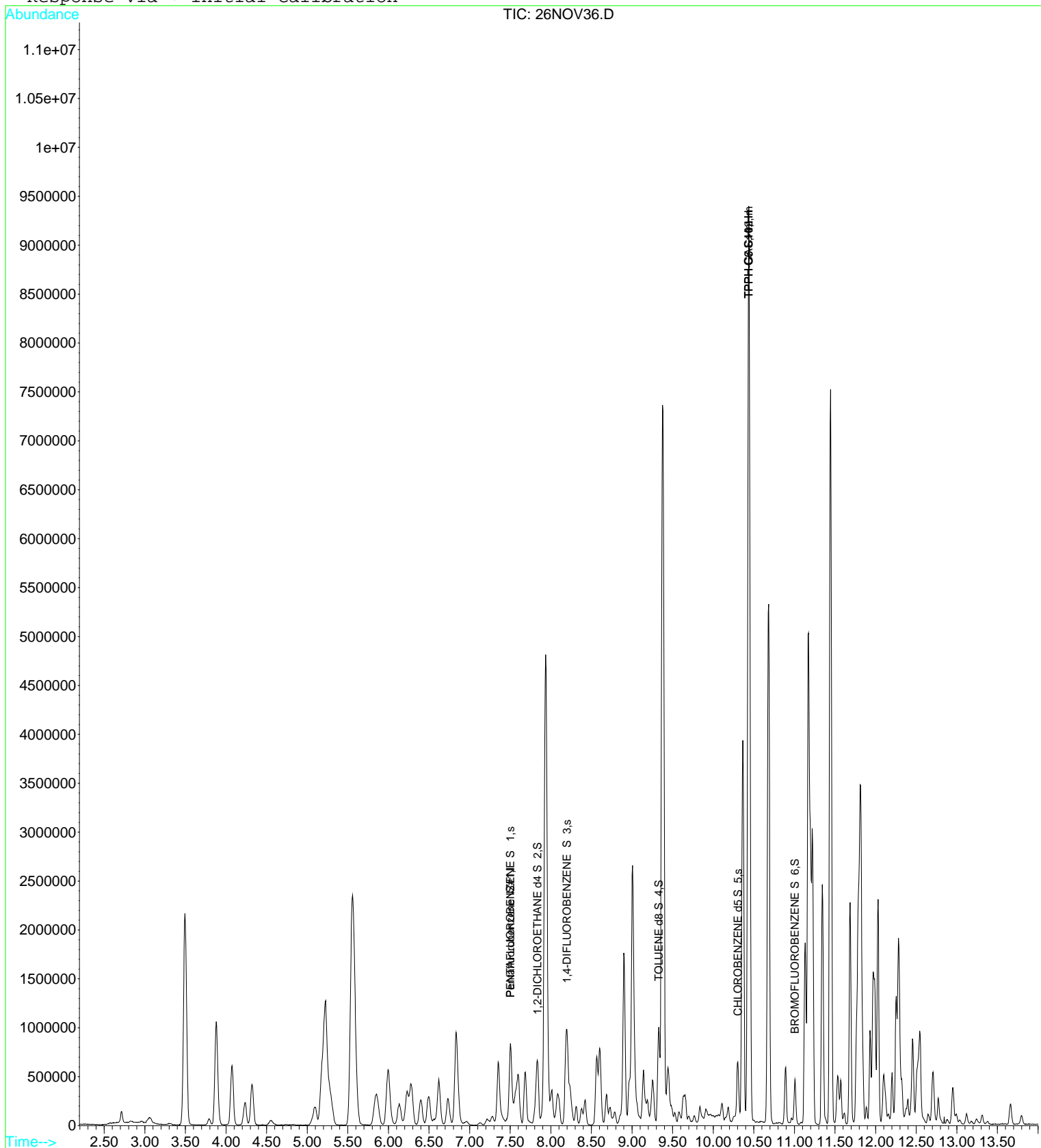
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene IS#1	7.50	137	45988	10.00	ug/L	0.00
System Monitoring Compounds						
2) PENTAFLUOROBENZENE S 1	7.50	TIC	2217700m	16.94	ug/L	0.00
3) 1,2-DICHLOROETHANE d4 S 2	7.83	TIC	1770715m	21.12	ug/L	0.02
4) 1,4-DIFLUOROBENZENE S 3	8.20	TIC	2868284m	16.88	ug/L	0.00
5) TOLUENE d8 S 4	9.33	TIC	1858294m	13.75	ug/L	0.00
6) CHLOROBENZENE d5 S 5	10.30	TIC	1316809m	12.93	ug/L	0.00
7) BROMOFLUOROBENZENE S 6	11.01	TIC	842879m	12.45	ug/L	-0.02
Target Compounds						
8) TPPH-GAS	10.44	TIC	218664651m	2628.04	ug/L	Qvalue
9) TPPH C6-C10	10.44	TIC	133809064m	2593.83	ug/L	
10) TPPH C6--->12	10.44	TIC	187550872m	2591.02	ug/L	

Data File : D:\DATA\NOV2023C\NOV26\26NOV36.D
Acq On : 26 Nov 2023 7:12 pm
Sample : 2317504-CALI
Misc : 1 ;3K26020;25ML
MS Integration Params: rteint.p
Quant Time: Dec 1 9:43 2023

Vial: 36
Operator: MGC
Inst : MS-V5
Multiplr: 1.00

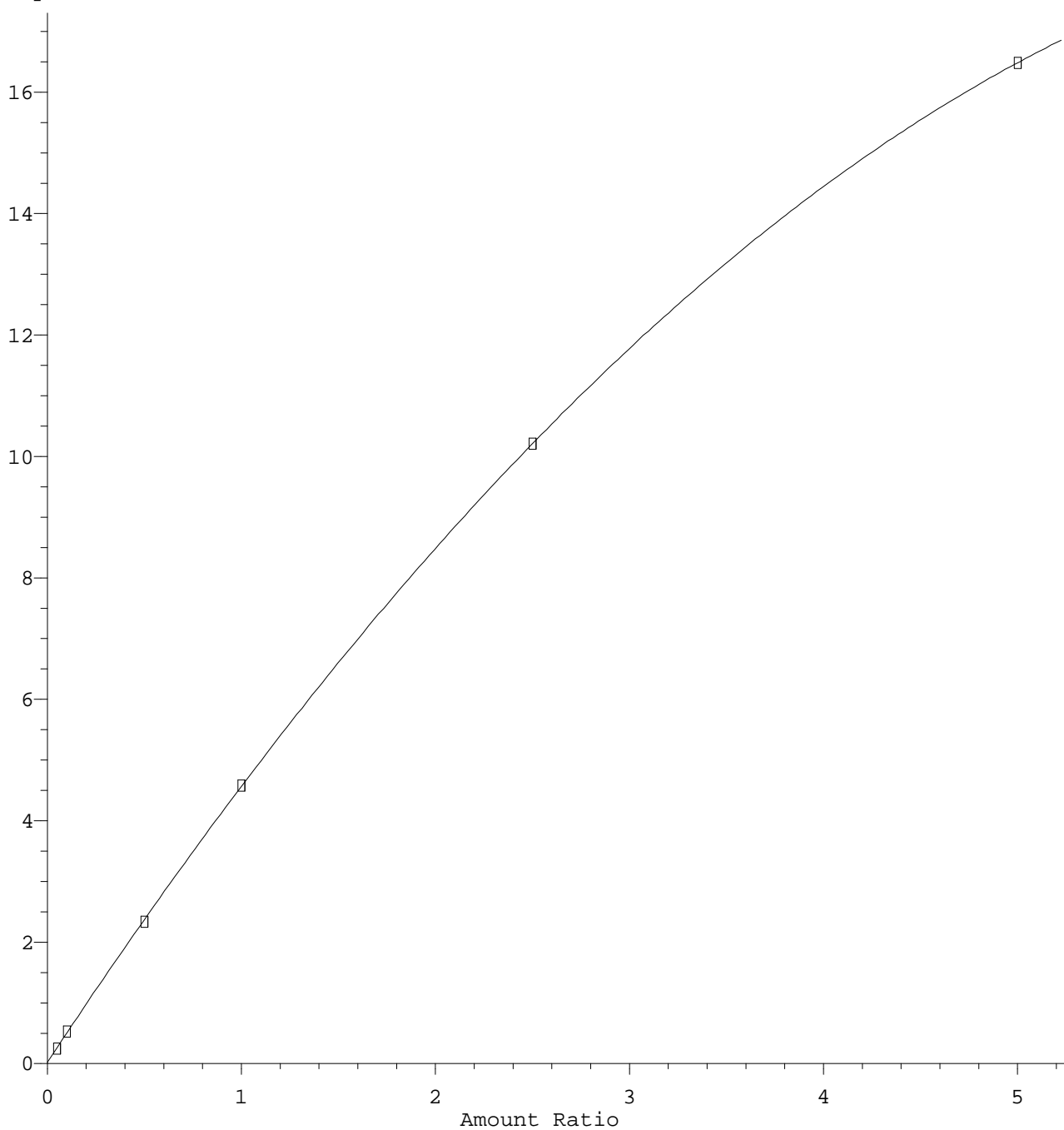
Quant Results File: TPPH5C.RES

Method : C:\HPCHEM\1\METHODS\C\202311\26-1800\TPPH5C.M (RTE Integrator)
Title : EPA Method TPPH Gasoline C/D
Last Update : Sun Oct 29 11:32:35 2023
Response via : Initial Calibration



1,2,4-trimethylbenzene

Response Ratio

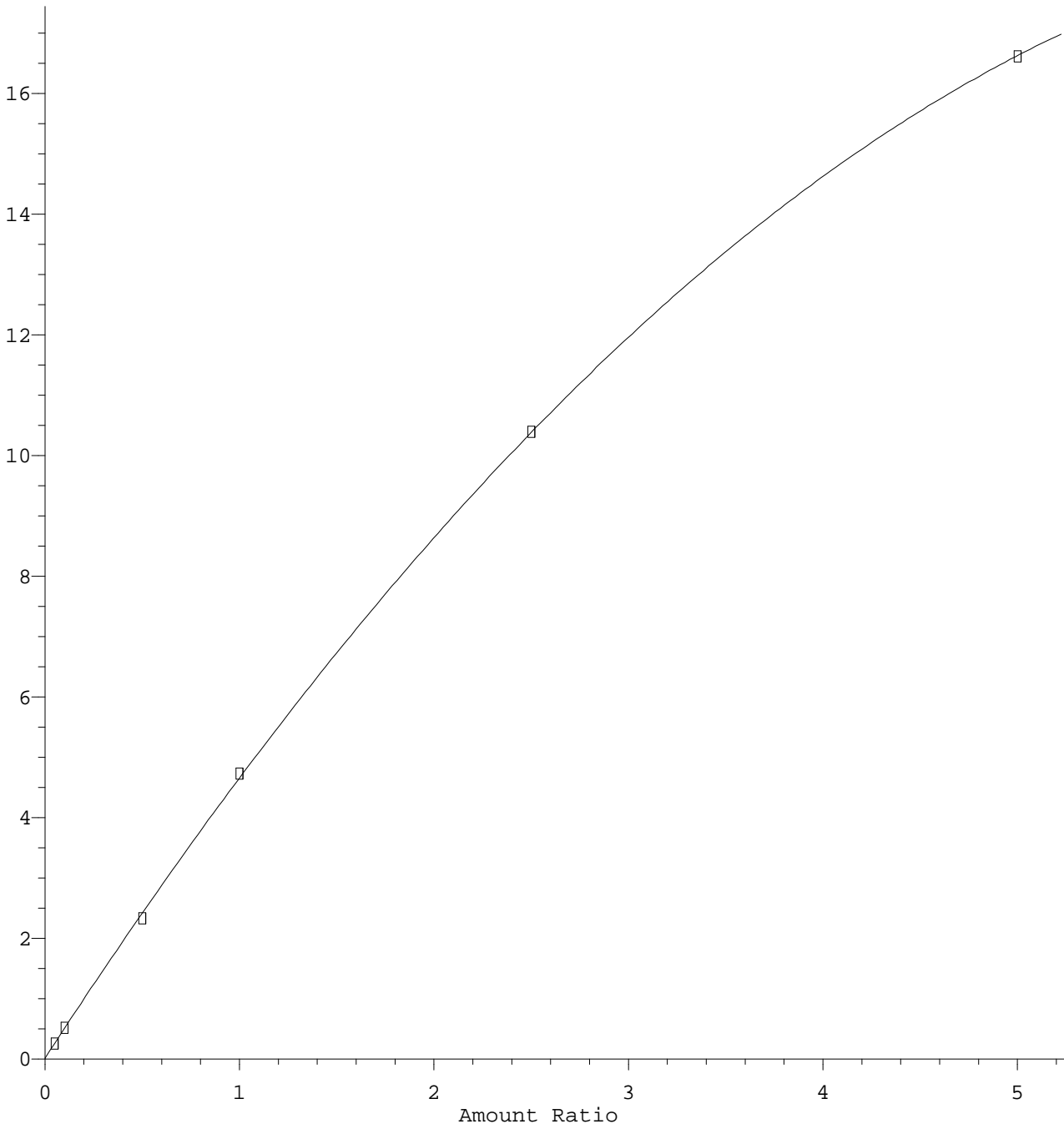


$R = -3.13e-001 A^2 + 4.86e+000 A + 1.71e-002$
Curve Fit: Quadratic w(1/a)

Method Name: C:\HPCHEM\1\METHODS\C\202311\26-0912\82605C.M
Calibration Table Last Updated: Thu Nov 30 12:10:48 2023

1,3,5-trimethylbenzene

Response Ratio

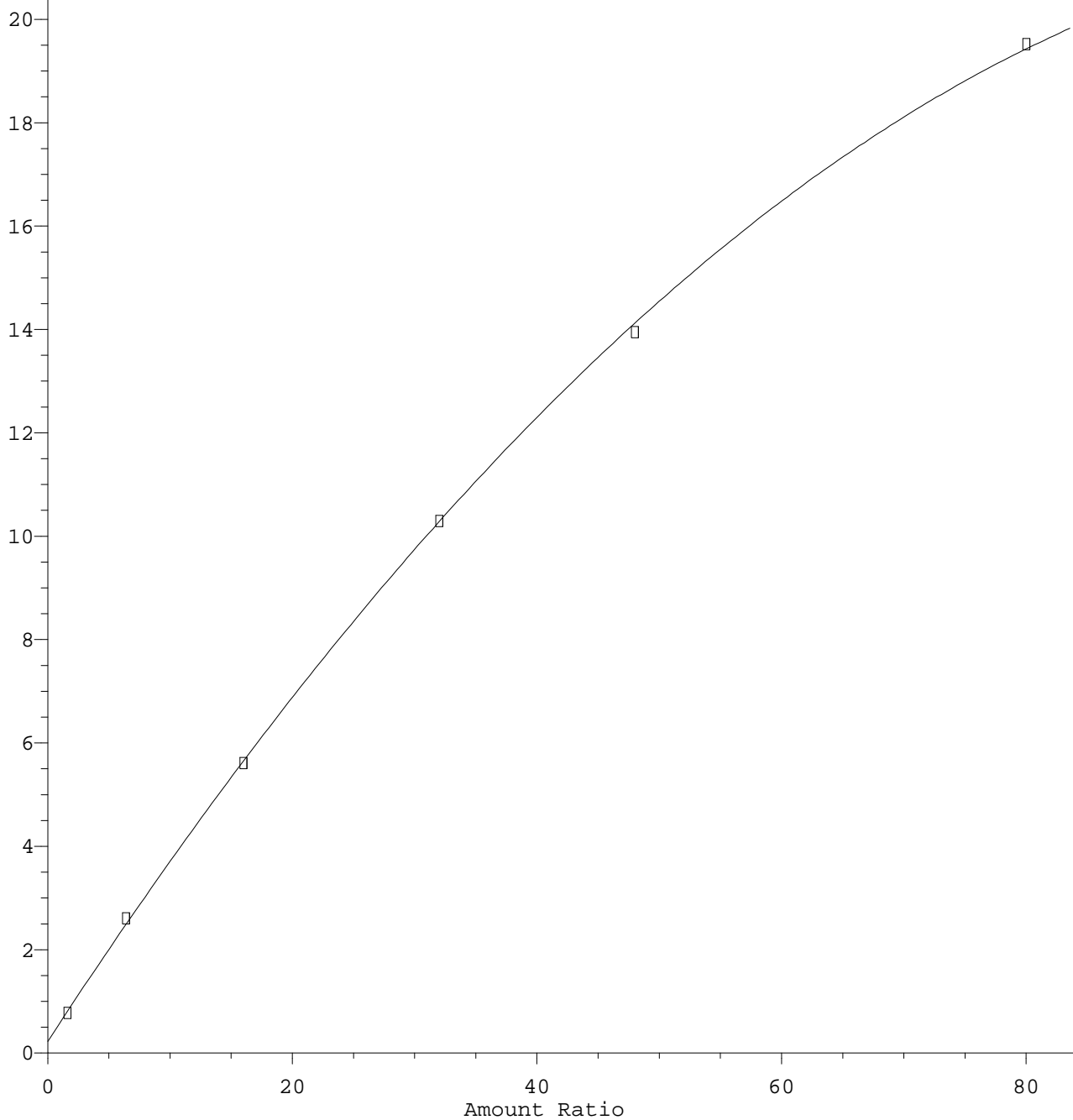


$R = -3.30e-001 A^2 + 4.97e+000 A + 1.15e-002$
Curve Fit: Quadratic w(1/a)

Method Name: C:\HPCHEM\1\METHODS\C\202311\26-0912\82605C.M
Calibration Table Last Updated: Thu Nov 30 12:10:48 2023

2-hexanone

Response Ratio

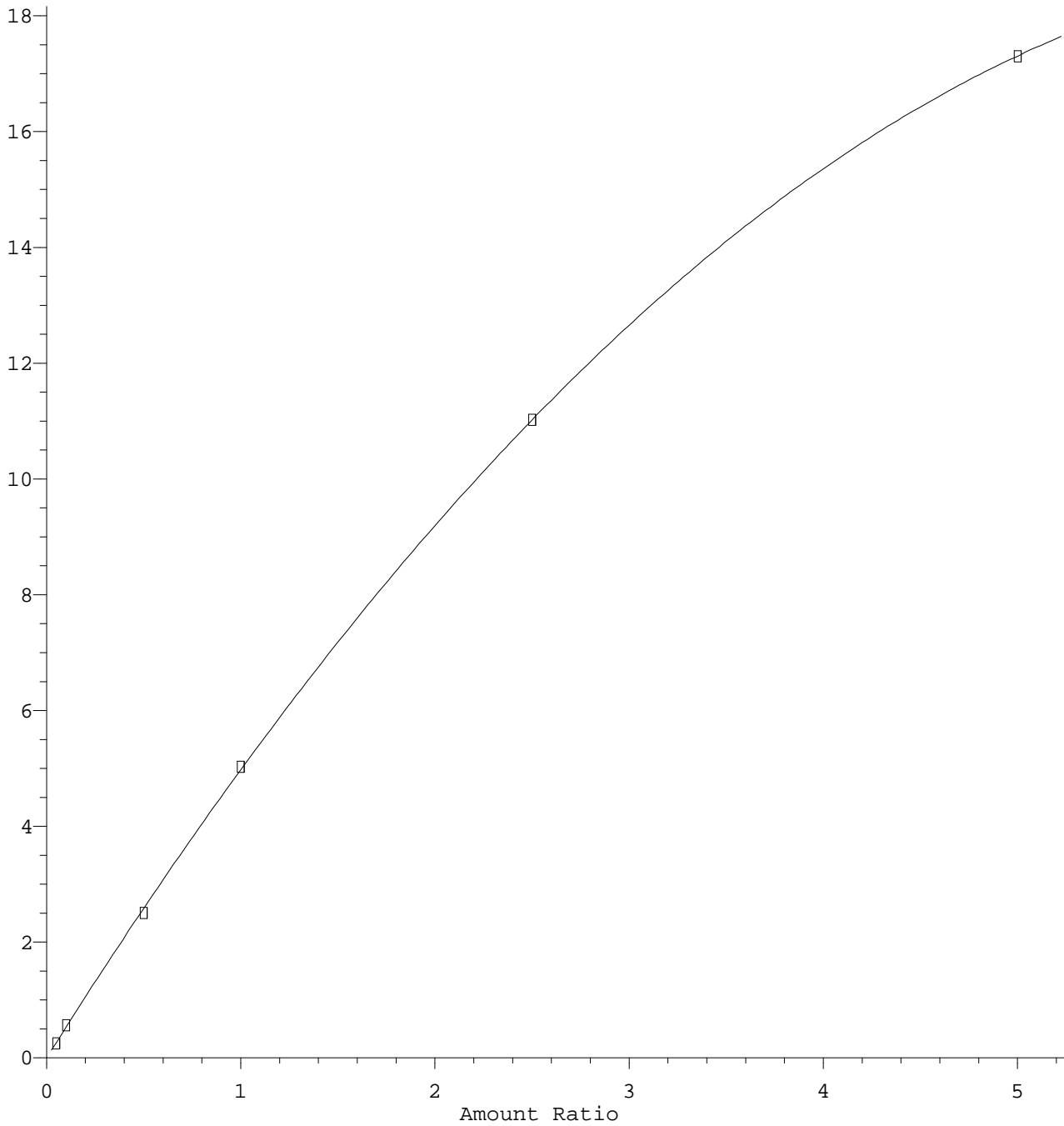


$R = -1.55e-003 A^2 + 3.64e-001 A + 2.20e-001$
Curve Fit: Quadratic w(1/a)

Method Name: C:\HPCHEM\1\METHODS\C\202311\26-1336\82605CX.M
Calibration Table Last Updated: Fri Dec 01 08:39:53 2023

4-isopropyltoluene

Response Ratio

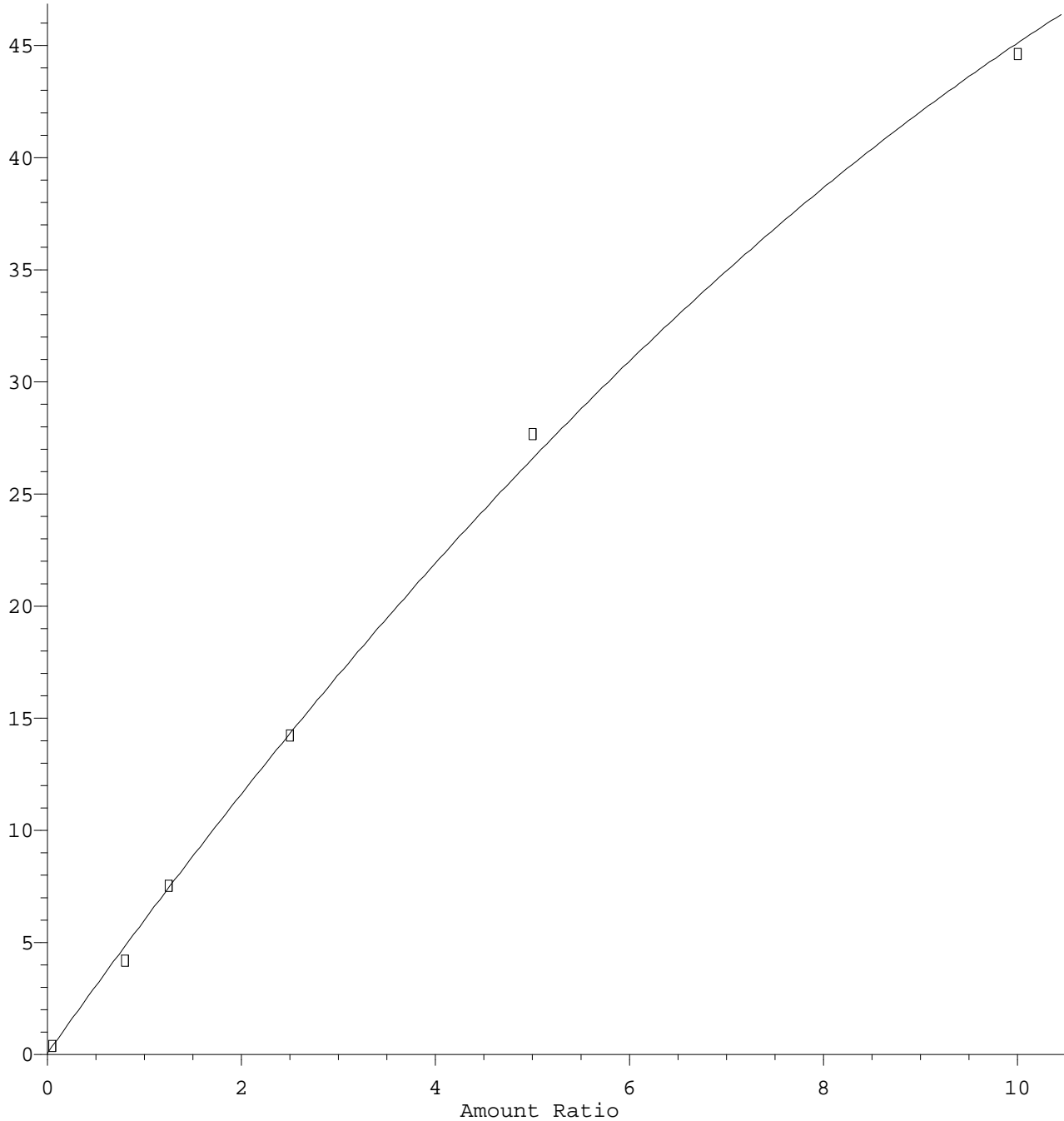


$R = -3.79e-001 A^2 + 5.36e+000 A - 5.84e-003$
Curve Fit: Quadratic w(1/a)

Method Name: C:\HPCHEM\1\METHODS\C\202311\26-0912\82605C.M
Calibration Table Last Updated: Thu Nov 30 12:10:48 2023

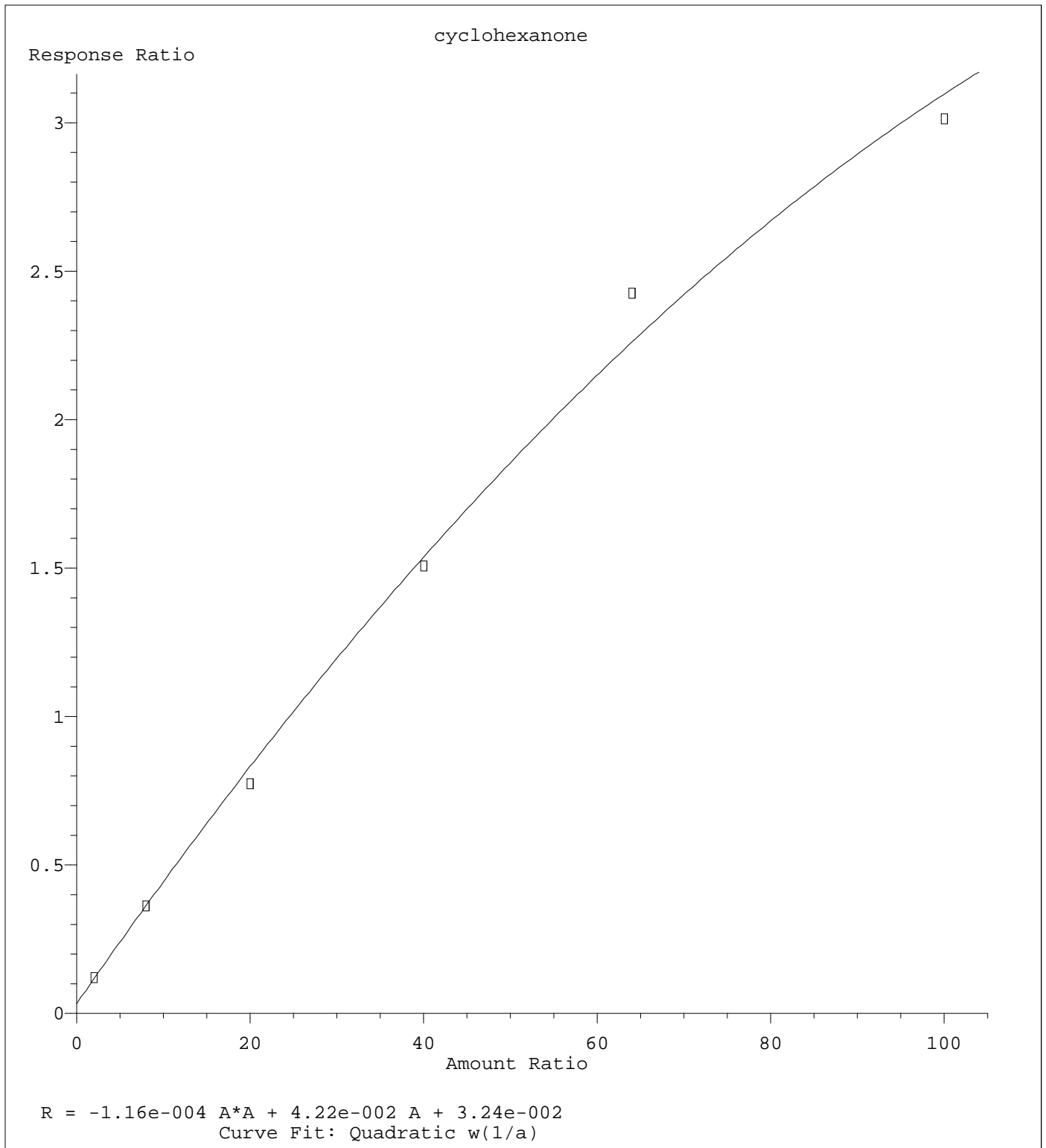
Cyclohexane

Response Ratio



$R = -1.60e-001 A^2 + 6.10e+000 A + 4.91e-002$
Curve Fit: Quadratic w(1/a)

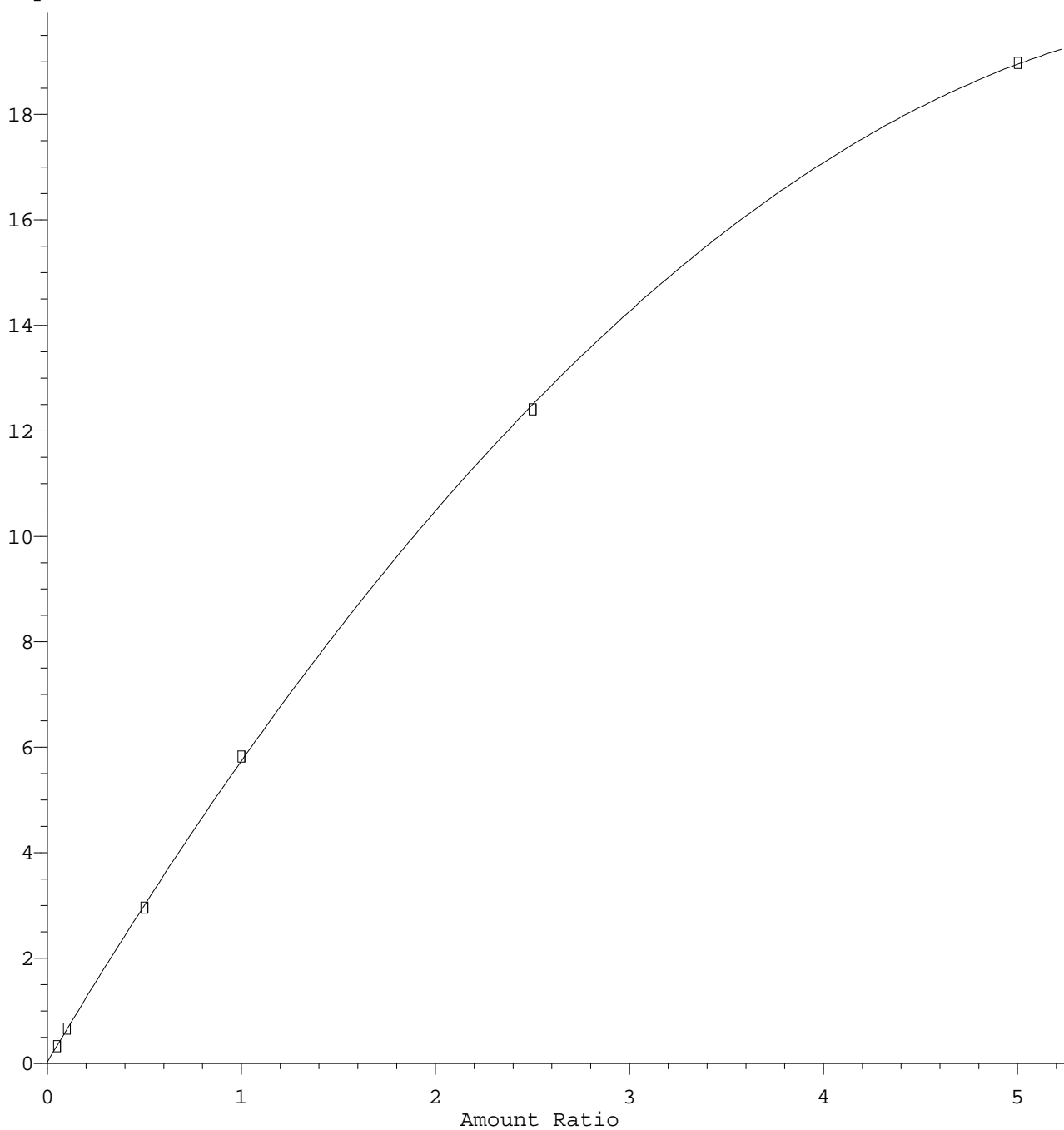
Method Name: C:\HPCHEM\1\METHODS\C\202311\26-1336\82605CX.M
Calibration Table Last Updated: Fri Dec 01 08:39:53 2023



Method Name: C:\HPCHEM\1\METHODS\C\202311\26-1336\82605CX.M
 Calibration Table Last Updated: Fri Dec 01 08:39:53 2023

Isopropylbenzene

Response Ratio

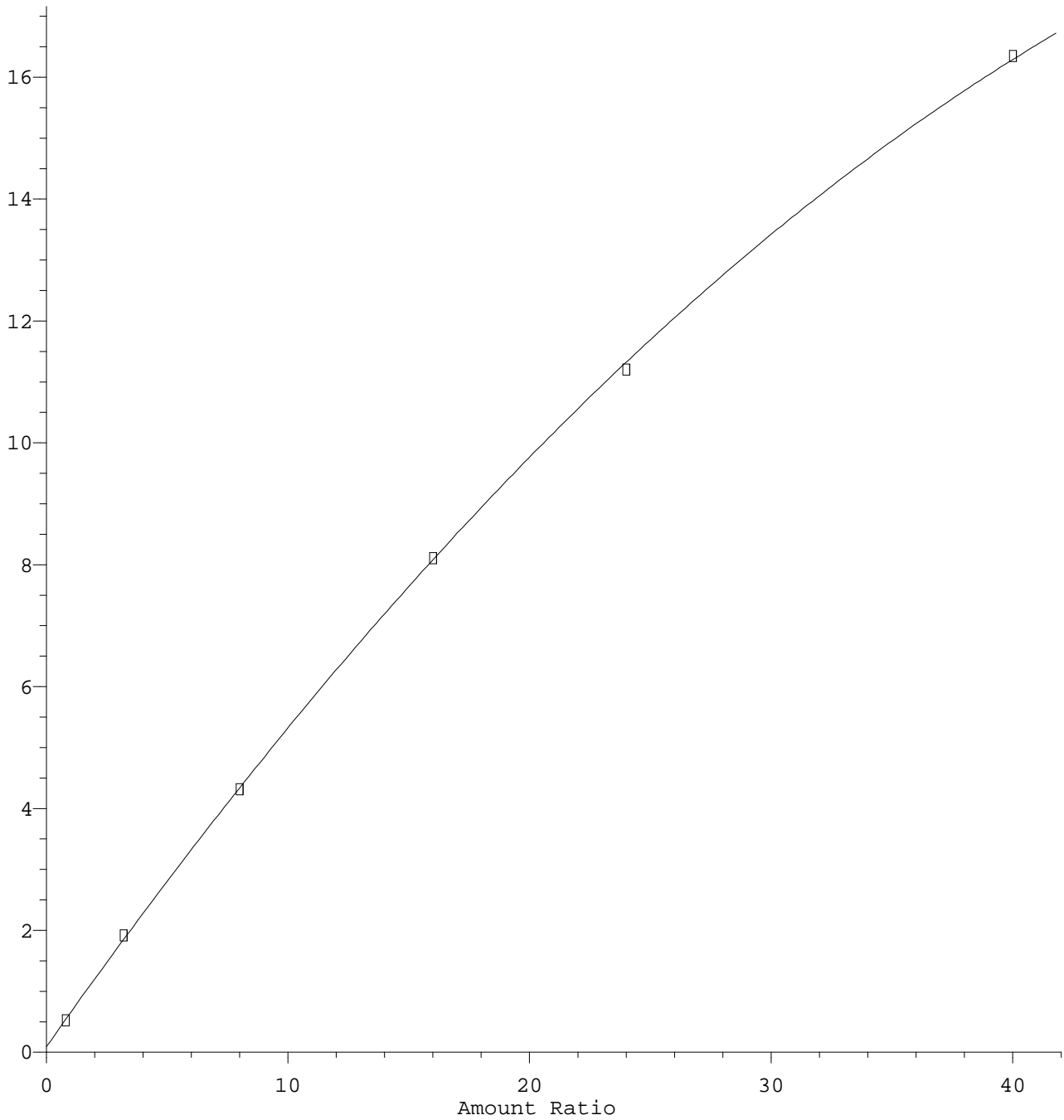


$R = -4.80e-001 A^2 + 6.19e+000 A + 2.90e-002$
Curve Fit: Quadratic w(1/a)

Method Name: C:\HPCHEM\1\METHODS\C\202311\26-0912\82605C.M
Calibration Table Last Updated: Thu Nov 30 12:10:48 2023

Methyl isobutyl ketone(mibk)

Response Ratio

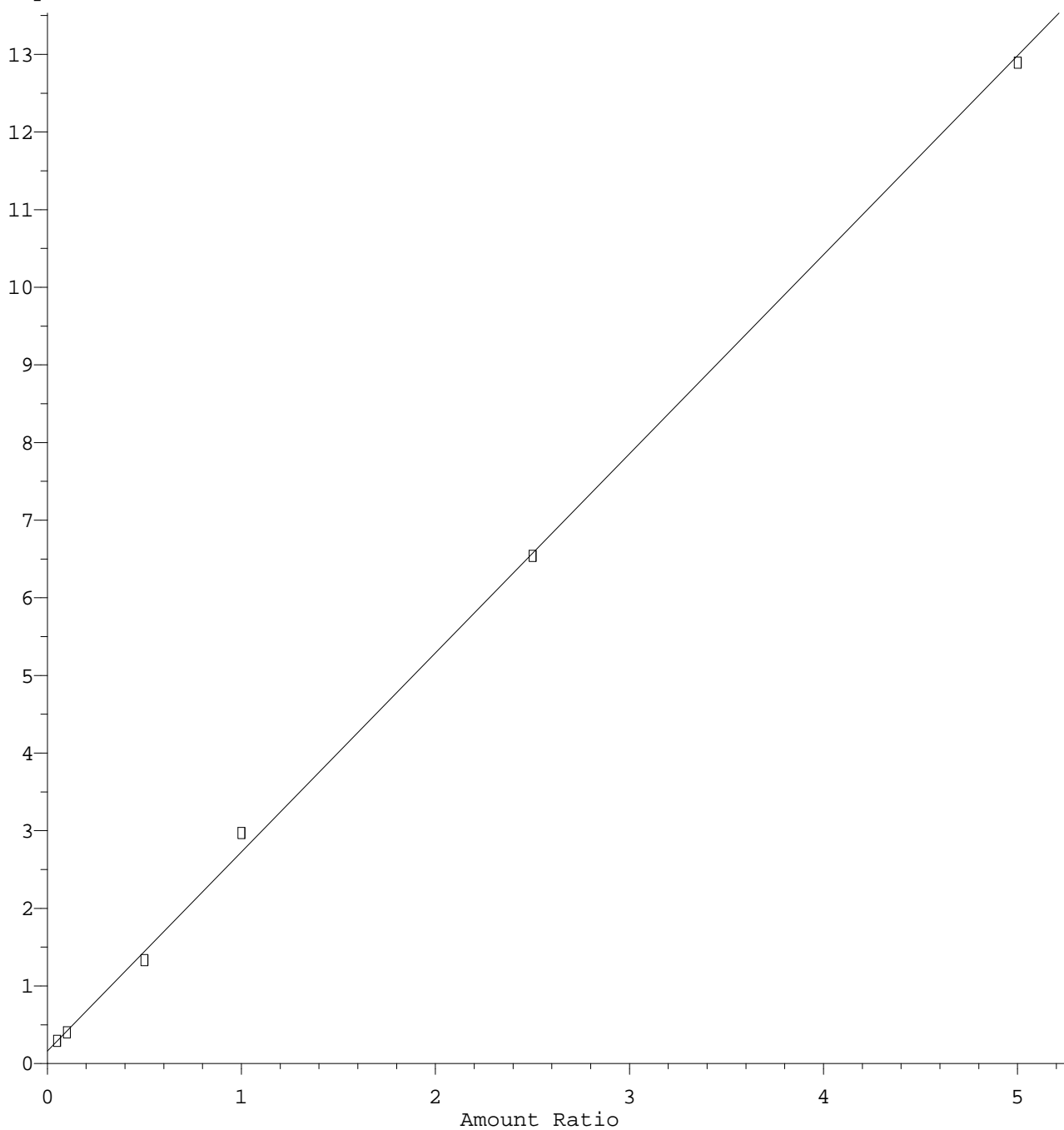


$R = -3.94e-003 A^2 + 5.62e-001 A + 8.67e-002$
Curve Fit: Quadratic w(1/a)

Method Name: C:\HPCHEM\1\METHODS\C\202311\26-1336\82605CX.M
Calibration Table Last Updated: Fri Dec 01 08:39:53 2023

Methylene chloride

Response Ratio

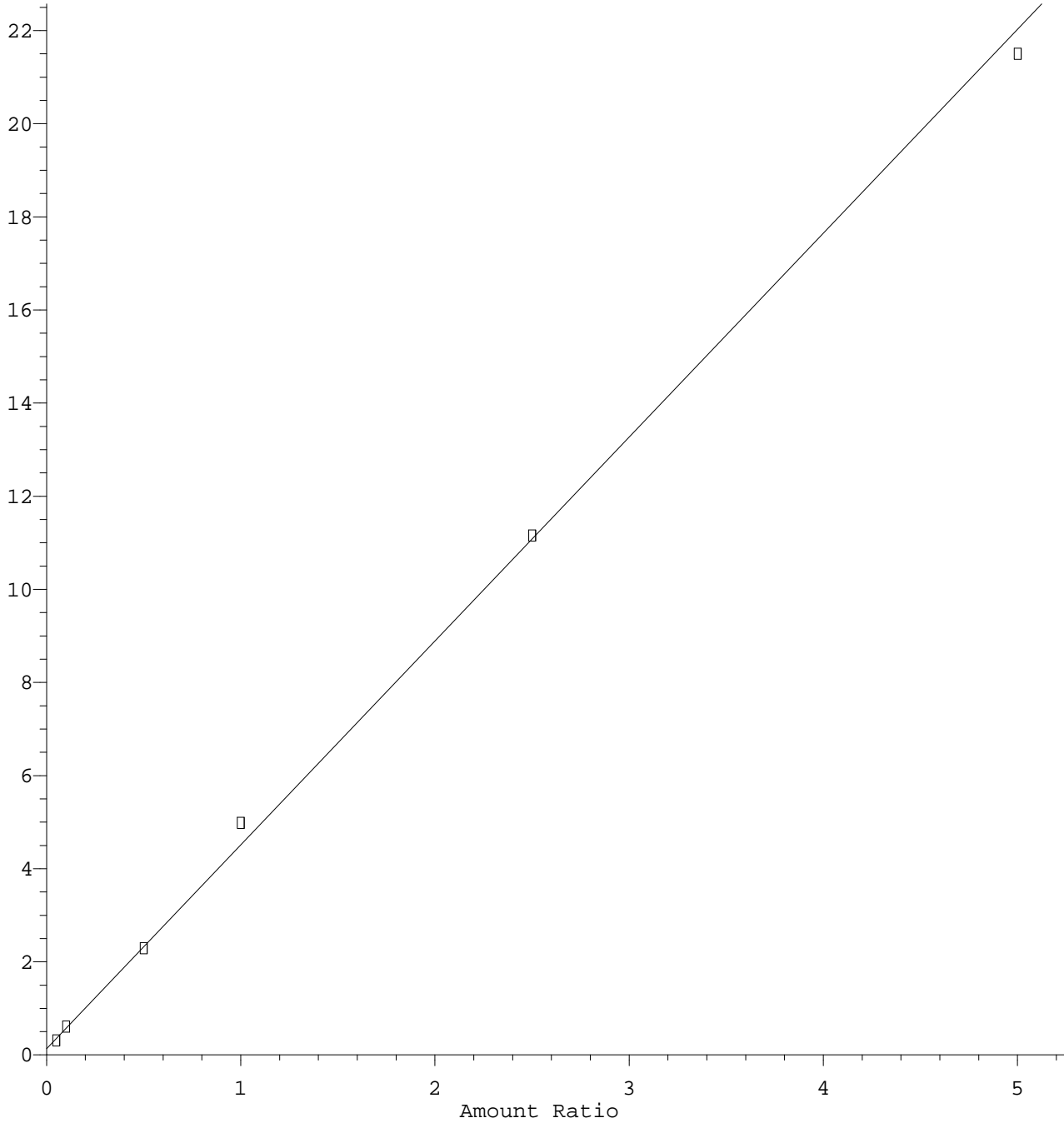


Resp Ratio = 2.57e+000 * Amt + 1.57e-001
Coef of Det (r^2) = 0.998 Curve Fit: wlr(1/a)

Method Name: C:\HPCHEM\1\METHODS\C\202311\26-0912\82605C.M
Calibration Table Last Updated: Thu Nov 30 12:10:48 2023

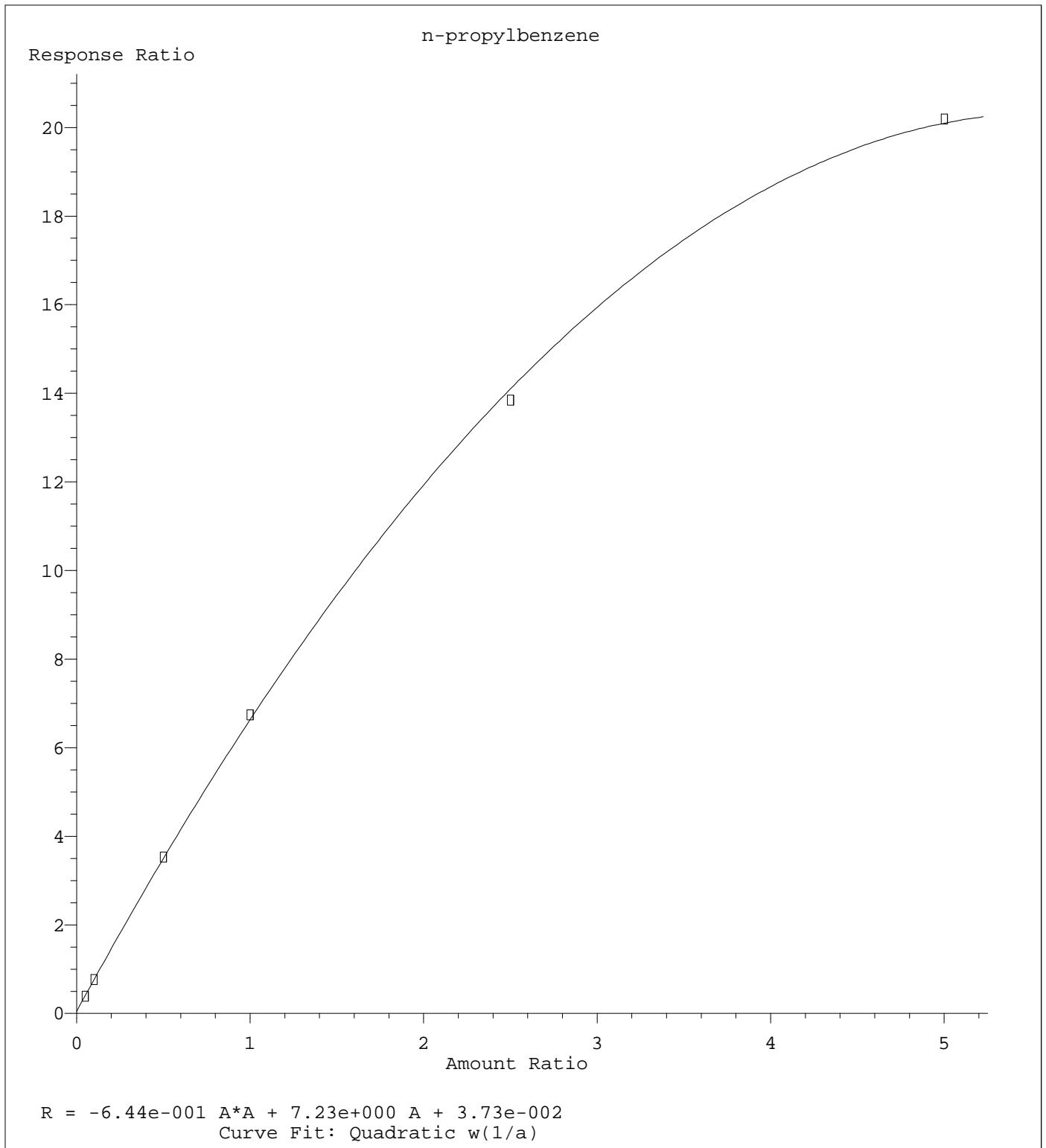
MTBE

Response Ratio



Resp Ratio = $4.38e+000 * Amt + 1.27e-001$
Coef of Det (r^2) = 0.998 Curve Fit: wlr(1/a)

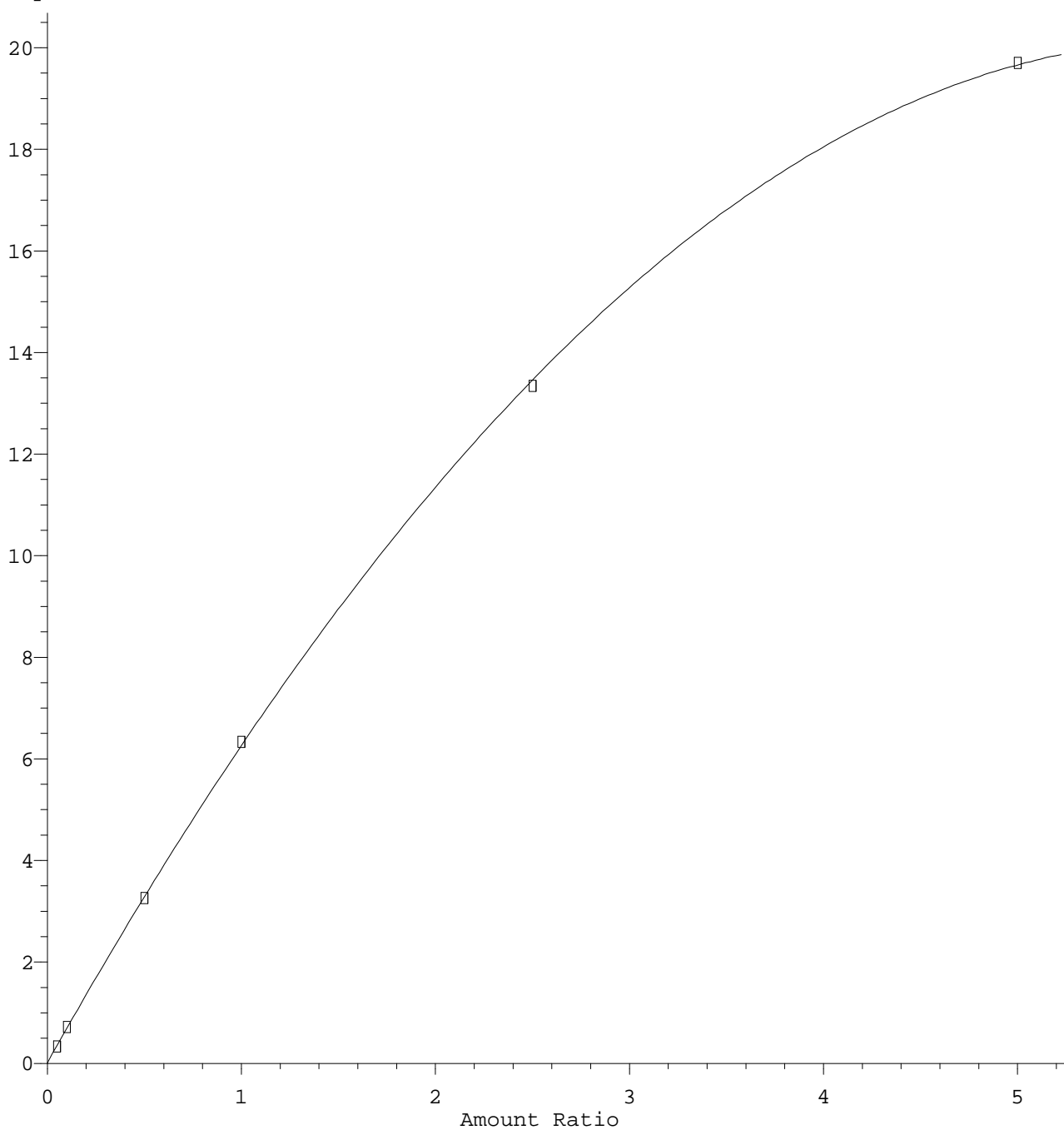
Method Name: C:\HPCHEM\1\METHODS\C\202311\26-0912\82605C.M
Calibration Table Last Updated: Thu Nov 30 12:10:48 2023



Method Name: C:\HPCHEM\1\METHODS\C\202311\26-0912\82605C.M
Calibration Table Last Updated: Thu Nov 30 12:10:48 2023

sec-butylbenzene

Response Ratio

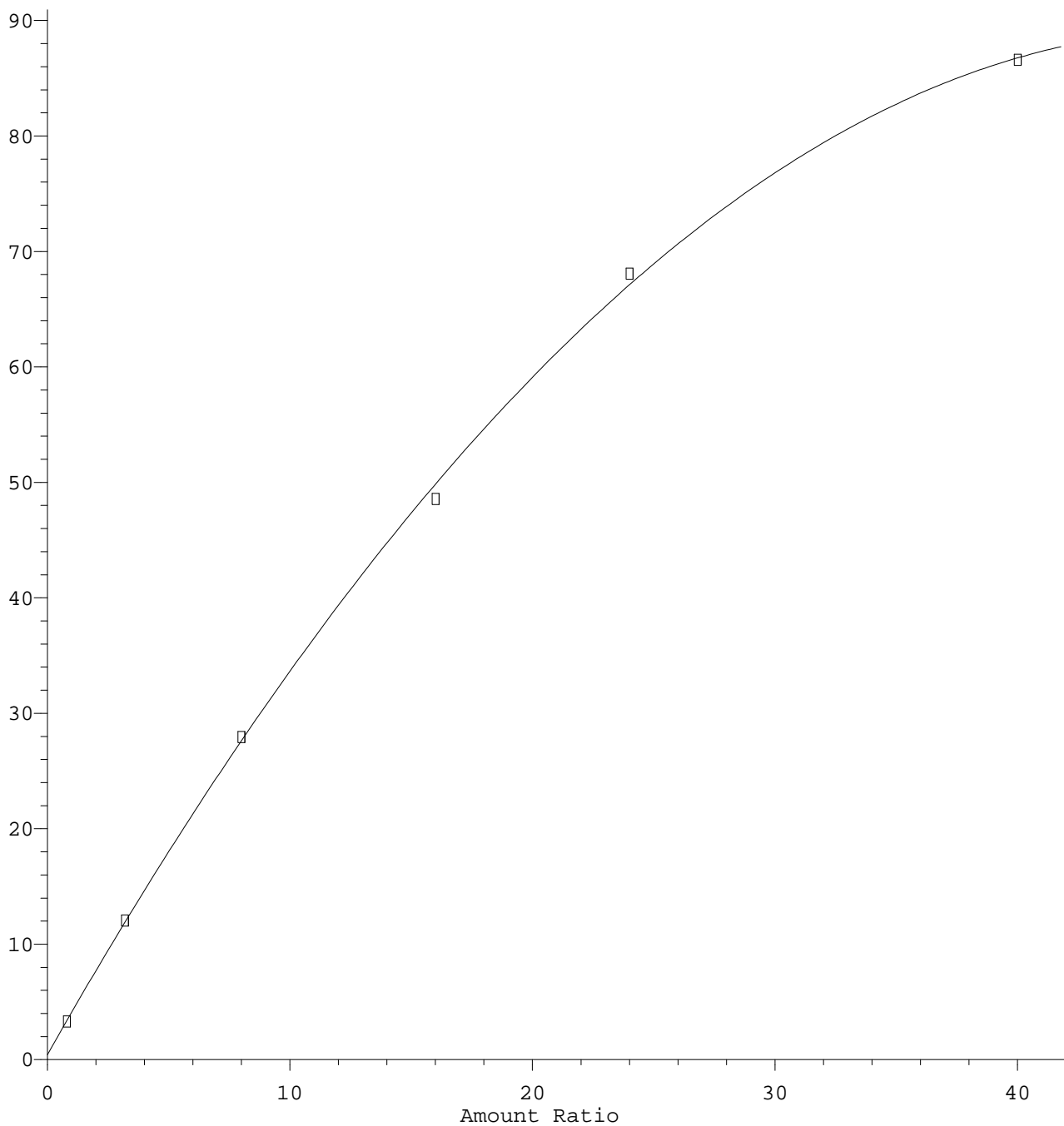


$R = -5.79e-001 A^2 + 6.82e+000 A + 1.12e-002$
Curve Fit: Quadratic w(1/a)

Method Name: C:\HPCHEM\1\METHODS\C\202311\26-0912\82605C.M
Calibration Table Last Updated: Thu Nov 30 12:10:48 2023

Vinyl acetate

Response Ratio



$R = -3.88e-002 A^2 + 3.71e+000 A + 4.05e-001$
Curve Fit: Quadratic w(1/a)

Method Name: C:\HPCHEM\1\METHODS\C\202311\26-1336\82605CX.M
Calibration Table Last Updated: Fri Dec 01 08:39:53 2023

Raw Data - ICV

Data File : D:\DATA\NOV2023C\NOV26\26NOV15.D
 Acq On : 26 Nov 2023 10:48 am
 Sample : 2317504-ICV1
 Misc : 1 ;3K26007;25ML
 MS Integration Params: rteint.p
 Quant Time: Nov 30 12:16 2023

Vial: 15
 Operator: MGC
 Inst : MS-V5
 Multiplr: 1.00

Quant Results File: 82605C.RES

Quant Method : C:\HPCHEM\1...\82605C.M (RTE Integrator)
 Title : EPA Method 8260C/D
 Last Update : Thu Nov 30 12:10:48 2023
 Response via : Initial Calibration
 DataAcq Meth : 82605

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene IS#1	7.50	137	48558	10.00	ug/L	0.00
26) 1,4-Difluorobenzene IS#2	8.19	63	97961	10.00	ug/L	0.00
41) Chlorobenzene d5 IS#3	10.30	119	115113	10.00	ug/L	0.00

System Monitoring Compounds

23) 1,2-dichloroethane d4 SMC	7.80	65	96192	10.05	ug/L	0.00
Spiked Amount	10.000	Range	75 - 125	Recovery	=	100.50%
33) Toluene d8 SMC#2	9.33	98	498375	9.90	ug/L	0.00
Spiked Amount	10.000	Range	80 - 120	Recovery	=	99.00%
51) Bromofluorobenzene SMC#3	11.01	95	168029	10.14	ug/L	0.00
Spiked Amount	10.000	Range	80 - 120	Recovery	=	101.40%

Target Compounds

	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.30	85	470262	26.55	ug/L	98
3) Chlorodifluoromethane	2.33	51	448448	22.43	ug/L	87
4) Chloromethane	2.55	50	637402	23.99	ug/L	99
5) Vinyl chloride	2.72	62	588915	25.04	ug/L	98
6) Bromomethane	3.21	94	315923	26.74	ug/L	100
7) Chloroethane	3.38	64	335330	26.77	ug/L	98
8) Dichlorofluoromethane	3.70	67	616803	22.96	ug/L	100
9) Trichlorofluoromethane	3.76	101	566559	23.10	ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	4.51	101	345566	25.49	ug/L	98
11) 1,1-Dichloroethene	4.49	61	593518	23.36	ug/L	99
12) Methylene chloride	5.19	84	312522	24.46	ug/L	100
13) MTBE	5.55	73	534089	24.82	ug/L	100
14) T-1,2-dichloroethene	5.57	96	365694	22.55	ug/L	99
15) 1,1-Dichloroethane	6.23	63	683071	22.81	ug/L	99
16) 2,2-Dichloropropane	6.96	77	596293	22.87	ug/L	99
17) Cis-1,2-dichloroethene	6.95	96	380091	22.81	ug/L	100
18) Bromochloromethane	7.21	128	129668	23.21	ug/L	96
19) Chloroform	7.32	83	586107	22.56	ug/L	99
20) 1,1,1-Trichloroethane	7.49	97	583627	23.36	ug/L	77
21) 1,1-Dichloropropene	7.64	75	479618	22.54	ug/L	98
22) Carbon tetrachloride	7.64	119	482867	23.77	ug/L	98
24) 1,2-Dichloroethane	7.88	62	313776	23.67	ug/L	99
25) Benzene	7.83	78	1278383	22.42	ug/L	96
27) Trichloroethene	8.40	130	368393	23.13	ug/L	100
28) 1,2-Dichloropropane	8.61	63	345281	22.97	ug/L	99
29) Dibromomethane	8.68	93	121762	23.19	ug/L	98
30) Bromodichloromethane	8.81	83	388539	23.06	ug/L	98
31) 2-ceve	9.00	63	438199	93.32	ug/L	99
32) Cis-1,3-dichloropropene	9.13	75	473808	22.94	ug/L	99
34) Toluene	9.38	92	831908	22.75	ug/L	92
35) Trans-1,3-dichloropropene	9.52	75	354991	22.64	ug/L	100
36) 1,1,2-Trichloroethane	9.66	97	176519	22.43	ug/L	99
37) Tetrachloroethene (PCE)	9.74	166	340274	22.88	ug/L	99
38) 1,3-Dichloropropane	9.78	76	300437	23.14	ug/L	98
39) Dibromochloromethane	9.92	129	224287	23.80	ug/L	96
40) 1,2-Dibromoethane	10.02	107	160708	22.68	ug/L	100
42) Chlorobenzene	10.32	112	821635	22.81	ug/L	99
43) 1,1,1,2-Tetrachloroethane	10.37	131	300806	23.37	ug/L	98
44) Ethylbenzene	10.37	106	508327	22.87	ug/L #	30
45) P+m-Xylene	10.44	106	1119203	44.41	ug/L	86
46) O-Xylene	10.68	106	575374	23.09	ug/L	94
47) Styrene	10.69	104	872945	22.92	ug/L	97
48) Bromoform	10.82	173	97444	24.06	ug/L	98
49) Isopropylbenzene	10.89	105	1381895	23.74	ug/L	94
50) 1,1,2,2-Tetrachloroethane	11.06	83	171731	23.24	ug/L	97

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

Data File : D:\DATA\NOV2023C\NOV26\26NOV15.D

Vial: 15

Acq On : 26 Nov 2023 10:48 am

Operator: MGC

Sample : 2317504-ICV1

Inst : MS-V5

Misc : 1 ;3K26007;25ML

Multiplr: 1.00

MS Integration Params: rteint.p

Quant Time: Nov 30 12:16 2023

Quant Results File: 82605C.RES

Quant Method : C:\HPCHEM\1...\82605C.M (RTE Integrator)

Title : EPA Method 8260C/D

Last Update : Thu Nov 30 12:10:48 2023

Response via : Initial Calibration

DataAcq Meth : 82605

Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
52) 1,2,3-Trichloropropane	11.11	110	46185	25.35	ug/L	96
53) n-propylbenzene	11.13	91	1555067	23.58	ug/L	92
54) bromobenzene	11.11	156	310440	24.39	ug/L	96
55) 1,3,5-trimethylbenzene	11.22	105	1160691	24.12	ug/L	96
56) 2-chlorotoluene	11.21	91	1121828	22.07	ug/L	94
57) 4-chlorotoluene	11.27	91	987890	21.97	ug/L	95
58) tert-butylbenzene	11.42	119	1230586	22.26	ug/L	99
59) 1,2,4-trimethylbenzene	11.45	105	1132784	23.90	ug/L	95
60) sec-butylbenzene	11.54	105	1478862	23.49	ug/L	93
61) 4-isopropyltoluene	11.62	119	1206720	23.48	ug/L	95
62) 1,3-Dichlorobenzene	11.64	146	600368	22.86	ug/L	95
63) 1,4-Dichlorobenzene	11.69	146	594412	23.12	ug/L	99
64) n-butylbenzene	11.84	91	1112074	22.17	ug/L	94
65) 1,2-Dichlorobenzene	11.90	146	515524	22.92	ug/L	99
66) Hexachloroethane	12.06	117	286869	23.48	ug/L	97
67) 1,2-dibromo-3-chloropropan	12.32	75	25471	22.71	ug/L	90
68) 1,2,4-trichlorobenzene	12.78	180	314012	24.35	ug/L	96
69) hexachlorobutadiene	12.84	225	210614	24.96	ug/L	99
70) naphthalene	12.95	128	431856	23.93	ug/L	100
71) 1,2,3-trichlorobenzene	13.08	180	256201	24.31	ug/L	99

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

26NOV15.D 82605C.M

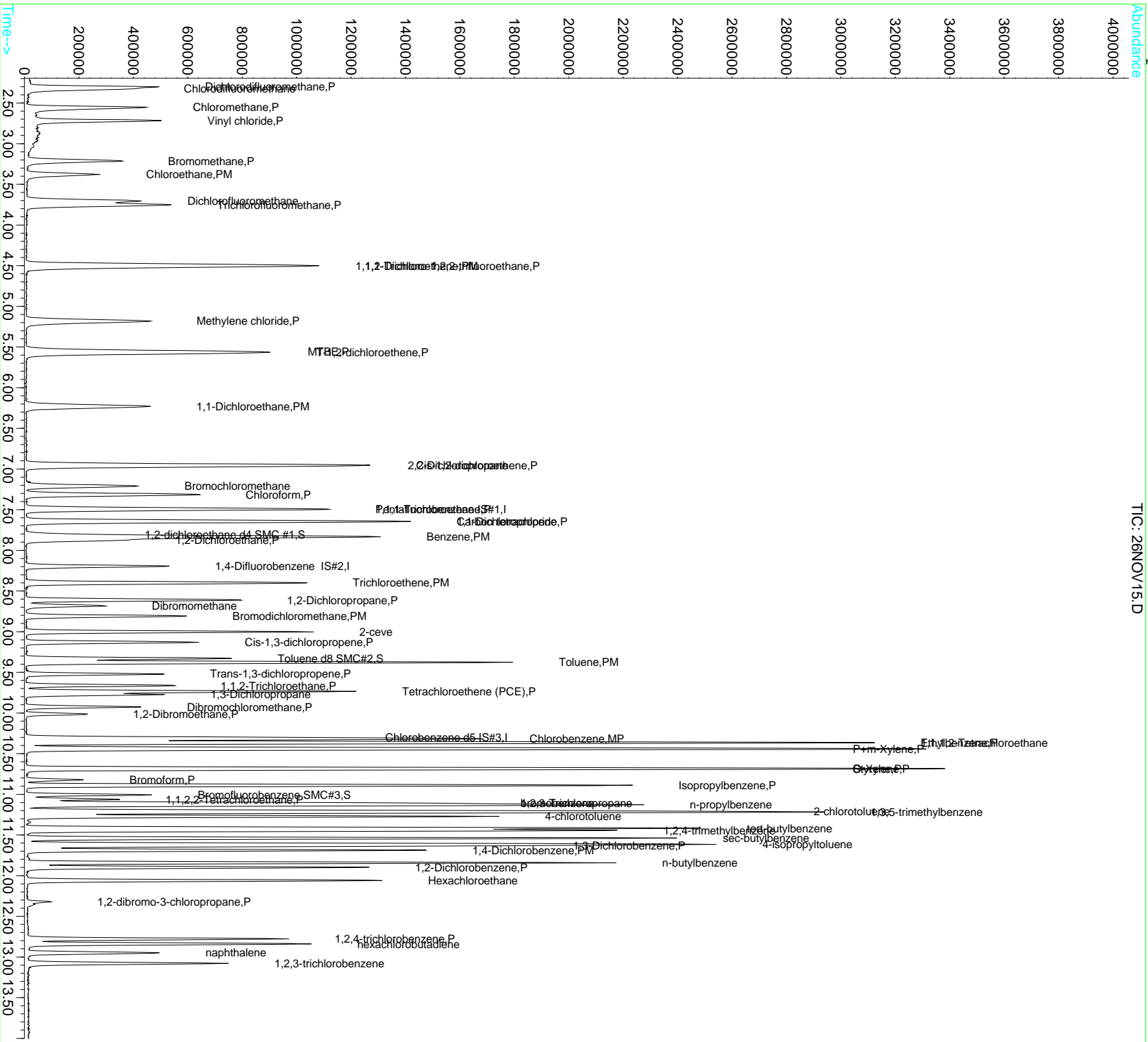
Thu Nov 30 12:17:22 2023

Data File : D:\DATA\NOV2023C\NOV26\26NOV15.D
Acq On : 26 Nov 2023 10:48 am
Sample : 2317504-ICV1
Misc : 1 ; 3K26007;25ML
MS Integration Params: rteint.p
Quant Time: Nov 30 12:16 2023

Vial: 15
Operator: MGC
Inst : MS-V5
Multiplr: 1.00

Quant Results File: 82605C.RES

Method : C:\HPCHEM\1\METHODS\C\202311\26-0912\82605C.M (RTE Integrator)
Title : EPA Method 8260C/D
Last Update : Thu Nov 30 12:10:48 2023
Response via : Initial Calibration



Data File : D:\DATA\NOV2023C\NOV26\26NOV27.D
 Acq On : 26 Nov 2023 3:36 pm
 Sample : 2317504-ICV2
 Misc : 1 ;3K26014;25ML
 MS Integration Params: rteint.p
 Quant Time: Dec 1 8:50 2023

Vial: 27
 Operator: MGC
 Inst : MS-V5
 Multiplr: 1.00

Quant Results File: 82605CX.RES

Quant Method : C:\HPCHEM\1...\82605CX.M (RTE Integrator)
 Title : EPA Method 8260C/DX
 Last Update : Fri Dec 01 08:39:53 2023
 Response via : Initial Calibration
 DataAcq Meth : 82605

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene IS#1	7.50	137	46981	10.00	ug/L	0.00
29) 1,4-Difluorobenzene IS#2	8.20	63	89912	10.00	ug/L	0.00
36) Chlorobenzene d5 IS#3	10.30	119	110751	10.00	ug/L	0.00

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) ethanol	3.98	45	207714	3951.97	ug/L #	80
3) 2,2-Dichloro-1,1,1-trifluo	4.35	83	520563	24.15	ug/L #	95
4) 1,2-dichlorotrifluoroethan	4.25	67	463721	25.38	ug/L	93
5) Diethyl ether	4.15	59	193287	24.42	ug/L	93
6) isopropyl alcohol	4.73	45	222039	792.90	ug/L #	82
7) Acrolein	4.35	56	135693	200.82	ug/L	83
8) acetone	4.54	43	353282	306.39	ug/L	96
9) tert-butyl alcohol (TBA)	5.30	59	331076	764.80	ug/L	100
10) acetonitrile	4.94	41	73572	144.51	ug/L #	31
11) methyl acetate	4.98	43	838755	257.42	ug/L	99
12) allyl chloride	5.00	41	860873	29.39	ug/L	98
13) iodomethane	4.70	142	623411	33.83	ug/L	97
14) acrylonitrile	5.51	53	143194	79.94	ug/L #	89
15) carbon disulfide	4.80	76	1342896	31.53	ug/L	100
16) N-Hexane	6.00	57	357785	24.11	ug/L #	82
17) diisopropyl ether	6.27	87	160683	15.90	ug/L	72
18) Vinyl acetate	6.22	43	2329395	159.02	ug/L	97
19) chloroprene	6.34	53	818188	31.72	ug/L	97
20) tert-butyl ethyl ether	6.74	59	462439	15.35	ug/L	100
21) 2-butanone (MEK)	6.93	43	330119	152.52	ug/L	96
22) propionitrile	7.01	54	257358	396.35	ug/L #	79
23) Isobutyl alcohol	7.71	43	81826	364.09	ug/L #	51
24) methacrylonitrile	7.17	67	311137	150.46	ug/L	98
25) Tert-amyl alcohol	7.82	59	873998	2417.47	ug/L	90
26) tetrahydrofuran	7.22	42	445220	314.84	ug/L	93
27) Cyclohexane	7.57	56	676384	25.16	ug/L	88
28) tert-amyl methyl ether (TA)	7.94	73	343259	14.91	ug/L	93
30) methyl methacrylate	8.63	69	302986m	76.09	ug/L	
31) Methylcyclohexane	8.60	55	520337	26.40	ug/L #	45
32) 1,4-dioxane	8.66	88	78867	2012.22	ug/L	92
33) Methyl isobutyl ketone(mib)	9.22	43	737083	162.75	ug/L	97
34) ethyl methacrylate	9.53	69	620492	77.90	ug/L	99
35) 2-hexanone	9.78	43	941582	327.44	ug/L	88
37) 5-Methyl-3-heptanone	11.08	43	264010	50.22	ug/L	80
38) cyclohexanone	10.97	55	159342	370.83	ug/L	94
39) t-1,4-dichloro-2-butene	11.08	75	201072	74.74	ug/L	97
40) Ethyl amyl ketone	11.40	57	118424	23.86	ug/L #	84
41) Pentachloroethane	11.45	167	115866	15.63	ug/L	86
42) benzyl chloride	11.75	91	451168	29.42	ug/L	100

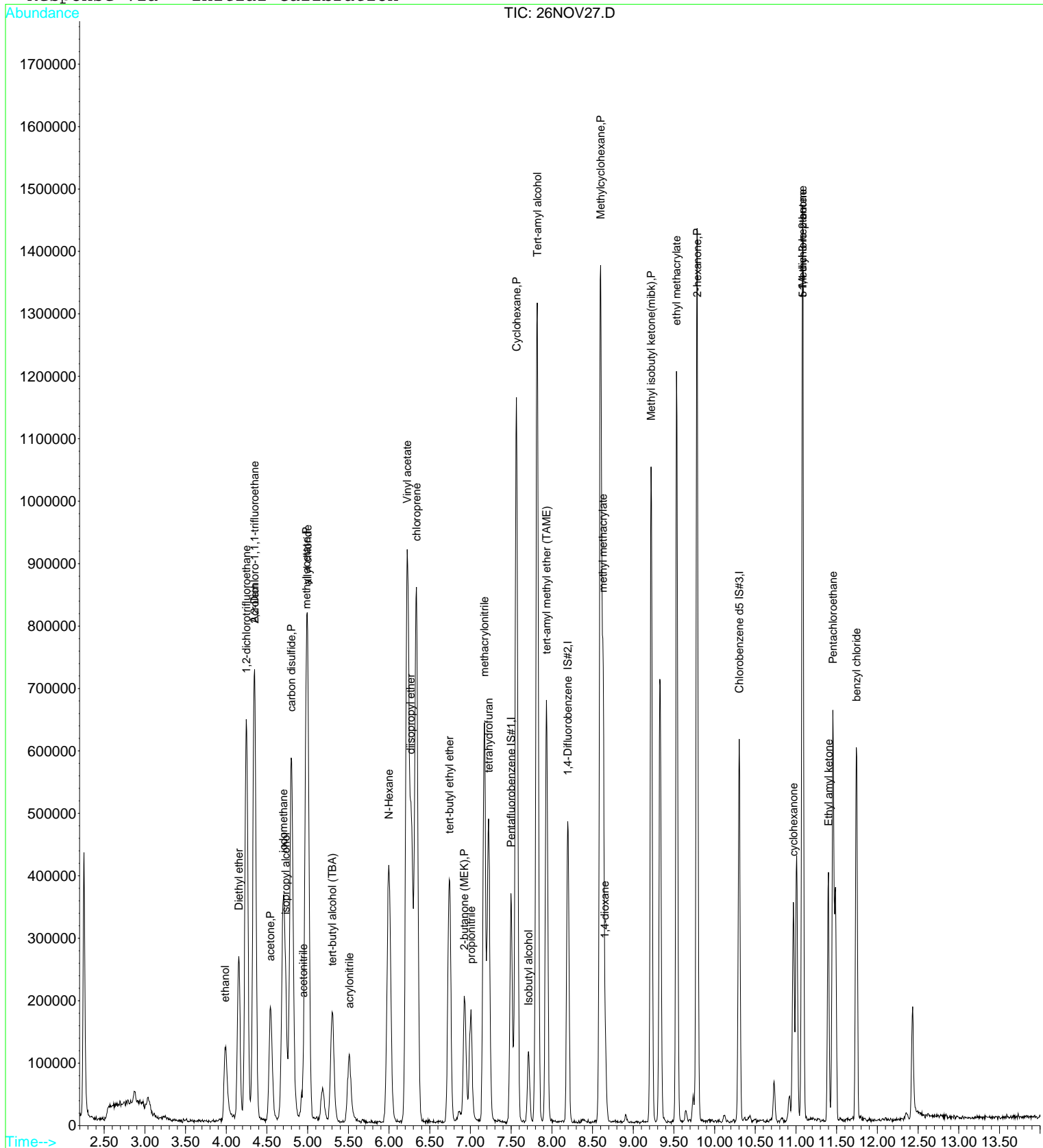
(#) = qualifier out of range (m) = manual integration

Data File : D:\DATA\NOV2023C\NOV26\26NOV27.D
Acq On : 26 Nov 2023 3:36 pm
Sample : 2317504-ICV2
Misc : 1 ;3K26014;25ML
MS Integration Params: rteint.p
Quant Time: Dec 1 8:50 2023

Vial: 27
Operator: MGC
Inst : MS-V5
Multiplr: 1.00

Quant Results File: 82605CX.RES

Method : C:\HPCHEM\1\METHODS\C\202311\26-1336\82605CX.M (RTE Integrator)
Title : EPA Method 8260C/DX
Last Update : Fri Dec 01 08:39:53 2023
Response via : Initial Calibration



Raw Data - ICB

Data File : D:\DATA\NOV2023C\NOV26\26NOV17.D
 Acq On : 26 Nov 2023 11:36 am
 Sample : 2317504-ICB1
 Misc : 1 ;3I27027;25ML

Vial: 17
 Operator: MGC
 Inst : MS-V5
 Multiplr: 1.00

MS Integration Params: rteint.p
 Quant Time: Nov 30 12:17 2023

Quant Results File: 82605C.RES

Quant Method : C:\HPCHEM\1...\82605C.M (RTE Integrator)
 Title : EPA Method 8260C/D
 Last Update : Thu Nov 30 12:10:48 2023
 Response via : Initial Calibration
 DataAcq Meth : 82605

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene IS#1	7.50	137	49043	10.00	ug/L	0.00
26) 1,4-Difluorobenzene IS#2	8.20	63	95965	10.00	ug/L	0.00
41) Chlorobenzene d5 IS#3	10.30	119	110286	10.00	ug/L	0.00

System Monitoring Compounds

23) 1,2-dichloroethane d4 SMC	7.80	65	95653	9.89	ug/L	0.00
Spiked Amount	10.000	Range	75 - 125	Recovery	=	98.90%
33) Toluene d8 SMC#2	9.33	98	492158	9.98	ug/L	0.00
Spiked Amount	10.000	Range	80 - 120	Recovery	=	99.80%
51) Bromofluorobenzene SMC#3	11.01	95	162398	10.23	ug/L	0.00
Spiked Amount	10.000	Range	80 - 120	Recovery	=	102.30%

Target Compounds

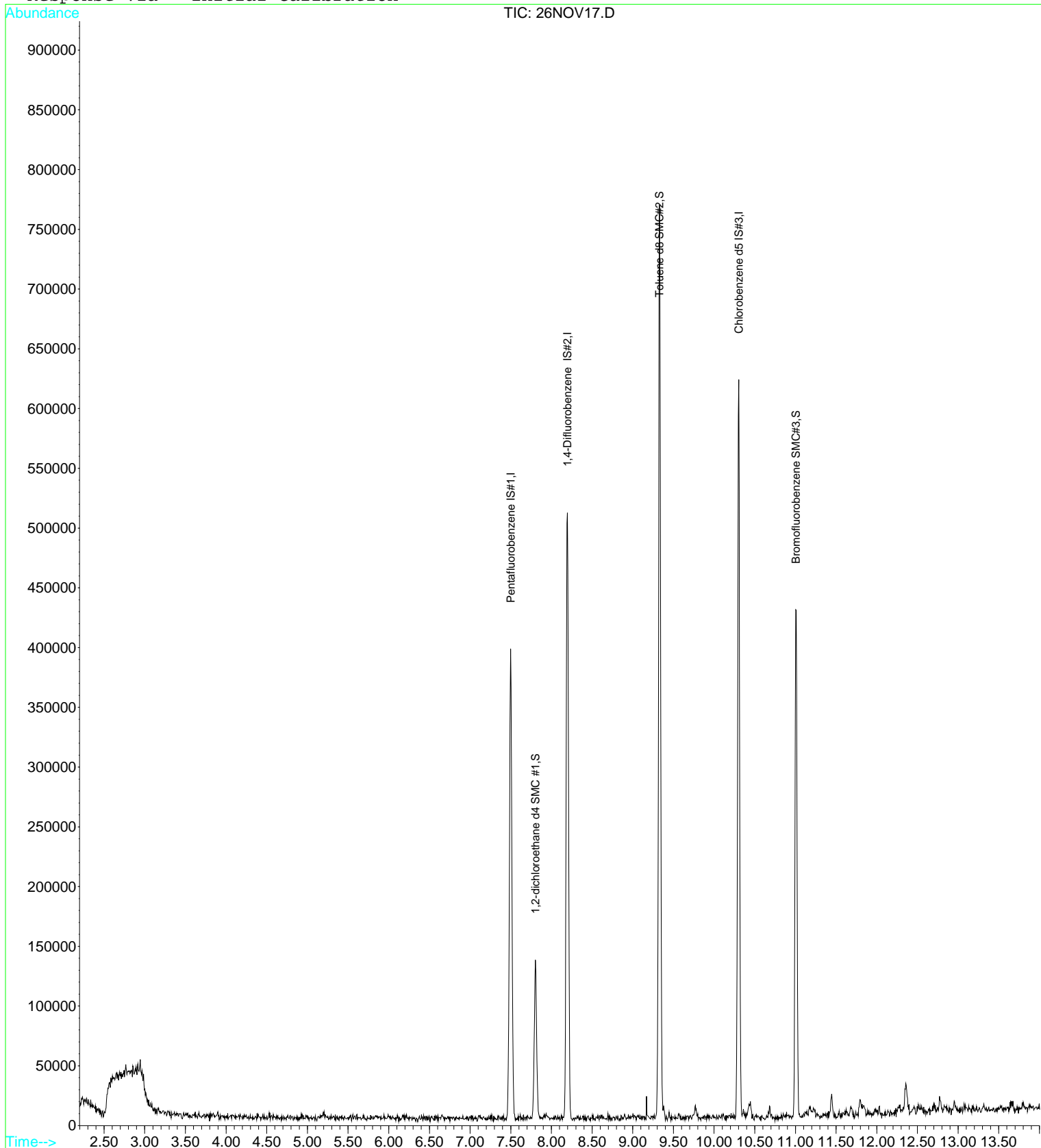
Qvalue

Data File : D:\DATA\NOV2023C\NOV26\26NOV17.D
Acq On : 26 Nov 2023 11:36 am
Sample : 2317504-ICB1
Misc : 1 ;3I27027;25ML
MS Integration Params: rteint.p
Quant Time: Nov 30 12:17 2023

Vial: 17
Operator: MGC
Inst : MS-V5
Multiplr: 1.00

Quant Results File: 82605C.RES

Method : C:\HPCHEM\1\METHODS\C\202311\26-0912\82605C.M (RTE Integrator)
Title : EPA Method 8260C/D
Last Update : Thu Nov 30 12:10:48 2023
Response via : Initial Calibration



Data File : D:\DATA\NOV2023C\NOV26\26NOV29.D
 Acq On : 26 Nov 2023 4:24 pm
 Sample : 2317504-ICB2
 Misc : 1 ;3I27027;25ML

Vial: 29
 Operator: MGC
 Inst : MS-V5
 Multiplr: 1.00

MS Integration Params: rteint.p
 Quant Time: Dec 1 8:50 2023

Quant Results File: 82605CX.RES

Quant Method : C:\HPCHEM\1...\82605CX.M (RTE Integrator)
 Title : EPA Method 8260C/DX
 Last Update : Fri Dec 01 08:39:53 2023
 Response via : Initial Calibration
 DataAcq Meth : 82605

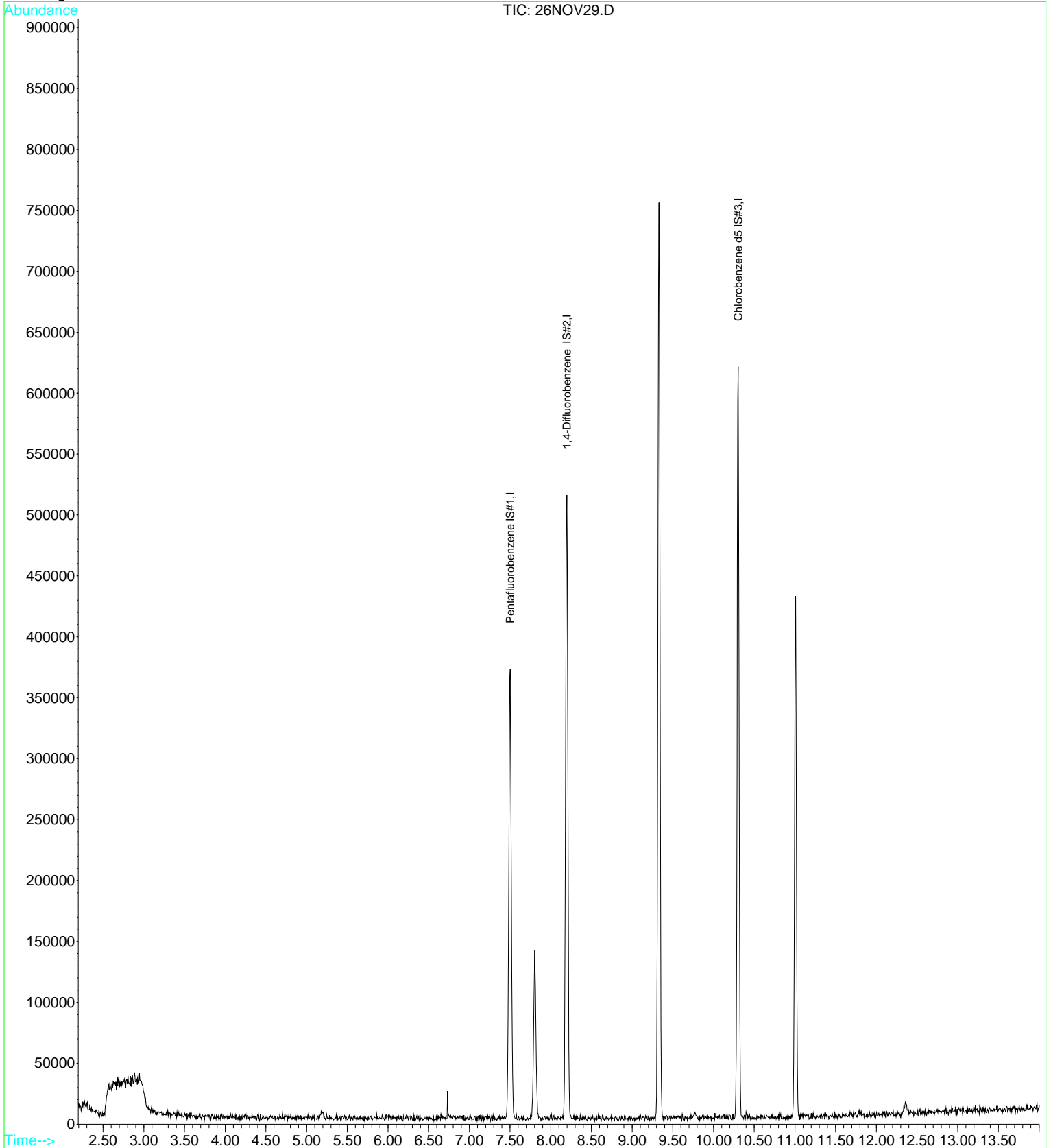
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene IS#1	7.50	137	46031	10.00	ug/L	0.00
29) 1,4-Difluorobenzene IS#2	8.20	63	93996	10.00	ug/L	0.00
36) Chlorobenzene d5 IS#3	10.30	119	111382	10.00	ug/L	0.00
Target Compounds						Qvalue
27) Cyclohexane	7.57	56	268	Below Cal		# 1

Data File : D:\DATA\NOV2023C\NOV26\26NOV29.D
Acq On : 26 Nov 2023 4:24 pm
Sample : 2317504-ICB2
Misc : 1 ;3I27027;25ML
MS Integration Params: rteint.p
Quant Time: Dec 1 8:50 2023

Vial: 29
Operator: MGC
Inst : MS-V5
Multiplr: 1.00

Quant Results File: 82605CX.RES

Method : C:\HPCHEM\1\METHODS\C\202311\26-1336\82605CX.M (RTE Integrator)
Title : EPA Method 8260C/DX
Last Update : Fri Dec 01 08:39:53 2023
Response via : Initial Calibration



Raw Data - CCV

Data File : D:\DATA\NOV2023C\NOV30\30NOV31.D
 Acq On : 30 Nov 2023 6:19 pm
 Sample : 2317726-CCV4
 Misc : 1 ;3K21029;25ML
 MS Integration Params: rteint.p
 Quant Time: Dec 1 11:26 2023

Vial: 31
 Operator: MGC
 Inst : MS-V5
 Multiplr: 1.00

Quant Results File: 82605C.RES

Quant Method : C:\HPCHEM\1...\82605C.M (RTE Integrator)
 Title : EPA Method 8260C/D
 Last Update : Thu Nov 30 12:10:48 2023
 Response via : Initial Calibration
 DataAcq Meth : 82605

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene IS#1	7.50	137	47960	10.00	ug/L	0.00
26) 1,4-Difluorobenzene IS#2	8.19	63	97149	10.00	ug/L	0.00
41) Chlorobenzene d5 IS#3	10.30	119	108739	10.00	ug/L	0.00

System Monitoring Compounds

23) 1,2-dichloroethane d4 SMC	7.81	65	101276	10.71	ug/L	0.00
Spiked Amount	10.000	Range	75 - 125	Recovery	=	107.10%
33) Toluene d8 SMC#2	9.33	98	470917	9.43	ug/L	0.00
Spiked Amount	10.000	Range	80 - 120	Recovery	=	94.30%
51) Bromofluorobenzene SMC#3	11.01	95	161042	10.29	ug/L	0.00
Spiked Amount	10.000	Range	80 - 120	Recovery	=	102.90%

Target Compounds

	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.30	85	441242	25.22	ug/L	98
3) Chlorodifluoromethane	2.33	51	479475	24.28	ug/L	99
4) Chloromethane	2.56	50	591308	22.53	ug/L	96
5) Vinyl chloride	2.72	62	561526	24.17	ug/L	98
6) Bromomethane	3.21	94	221723	19.00	ug/L	100
7) Chloroethane	3.38	64	305824	24.72	ug/L	98
8) Dichlorofluoromethane	3.70	67	638622	24.07	ug/L	99
9) Trichlorofluoromethane	3.75	101	601431	24.83	ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	4.51	101	332658	24.84	ug/L	99
11) 1,1-Dichloroethene	4.50	61	609682	24.30	ug/L	99
12) Methylene chloride	5.18	84	309332	24.52	ug/L	97
13) MTBE	5.55	73	561522	26.44	ug/L	98
14) T-1,2-dichloroethene	5.57	96	362295	22.62	ug/L	97
15) 1,1-Dichloroethane	6.23	63	713896	24.14	ug/L	99
16) 2,2-Dichloropropane	6.96	77	537890	20.89	ug/L	90
17) Cis-1,2-dichloroethene	6.95	96	377787	22.95	ug/L	98
18) Bromochloromethane	7.21	128	132478	24.01	ug/L	96
19) Chloroform	7.31	83	586261	22.85	ug/L	98
20) 1,1,1-Trichloroethane	7.49	97	583306	23.63	ug/L	78
21) 1,1-Dichloropropene	7.65	75	491060	23.36	ug/L	99
22) Carbon tetrachloride	7.64	119	476874	23.77	ug/L	99
24) 1,2-Dichloroethane	7.88	62	337217	25.75	ug/L	99
25) Benzene	7.84	78	1247238	22.14	ug/L	98
27) Trichloroethene	8.40	130	382201	24.20	ug/L	99
28) 1,2-Dichloropropane	8.61	63	347993	23.34	ug/L	98
29) Dibromomethane	8.68	93	126706	24.33	ug/L	95
30) Bromodichloromethane	8.81	83	398631	23.86	ug/L	97
31) 2-ceve	9.00	63	464741	99.80	ug/L	99
32) Cis-1,3-dichloropropene	9.13	75	460679	22.49	ug/L	99
34) Toluene	9.38	92	800795	22.08	ug/L	94
35) Trans-1,3-dichloropropene	9.52	75	358670	23.07	ug/L	100
36) 1,1,2-Trichloroethane	9.66	97	179798	23.03	ug/L	97
37) Tetrachloroethene (PCE)	9.74	166	336552	22.82	ug/L	98
38) 1,3-Dichloropropane	9.77	76	316309	24.57	ug/L	98
39) Dibromochloromethane	9.93	129	228282	24.43	ug/L	96
40) 1,2-Dibromoethane	10.01	107	170028	24.20	ug/L	98
42) Chlorobenzene	10.32	112	813070	23.89	ug/L	99
43) 1,1,1,2-Tetrachloroethane	10.37	131	299066	24.60	ug/L	98
44) Ethylbenzene	10.37	106	493548	23.50	ug/L #	30
45) P+m-Xylene	10.44	106	1100786	46.24	ug/L	85
46) O-Xylene	10.68	106	564318	23.97	ug/L	92
47) Styrene	10.69	104	862412	23.97	ug/L	95
48) Bromoform	10.82	173	100814	26.35	ug/L	98
49) Isopropylbenzene	10.89	105	1358735	25.01	ug/L	93
50) 1,1,2,2-Tetrachloroethane	11.06	83	170821	24.47	ug/L	100

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

Data File : D:\DATA\NOV2023C\NOV30\30NOV31.D

Vial: 31

Acq On : 30 Nov 2023 6:19 pm

Operator: MGC

Sample : 2317726-CCV4

Inst : MS-V5

Misc : 1 ;3K21029;25ML

Multiplr: 1.00

MS Integration Params: rteint.p

Quant Time: Dec 1 11:26 2023

Quant Results File: 82605C.RES

Quant Method : C:\HPCHEM\1...\82605C.M (RTE Integrator)

Title : EPA Method 8260C/D

Last Update : Thu Nov 30 12:10:48 2023

Response via : Initial Calibration

DataAcq Meth : 82605

Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
52) 1,2,3-Trichloropropane	11.11	110	46911	27.26	ug/L	98
53) n-propylbenzene	11.13	91	1520114	24.72	ug/L	92
54) bromobenzene	11.11	156	299308	24.89	ug/L	98
55) 1,3,5-trimethylbenzene	11.22	105	1133546	25.14	ug/L	97
56) 2-chlorotoluene	11.21	91	1115780	23.23	ug/L	95
57) 4-chlorotoluene	11.27	91	986187	23.21	ug/L	96
58) tert-butylbenzene	11.42	119	1227405	23.50	ug/L	98
59) 1,2,4-trimethylbenzene	11.44	105	1110168	25.01	ug/L	93
60) sec-butylbenzene	11.54	105	1451240	24.73	ug/L	93
61) 4-isopropyltoluene	11.61	119	1207414	25.25	ug/L	95
62) 1,3-Dichlorobenzene	11.63	146	591958	23.87	ug/L	94
63) 1,4-Dichlorobenzene	11.69	146	572573	23.58	ug/L	95
64) n-butylbenzene	11.84	91	1120457	23.64	ug/L	94
65) 1,2-Dichlorobenzene	11.90	146	513716	24.18	ug/L	98
66) Hexachloroethane	12.06	117	269985	23.40	ug/L	98
67) 1,2-dibromo-3-chloropropan	12.32	75	26855	25.35	ug/L	87
68) 1,2,4-trichlorobenzene	12.78	180	301310	24.73	ug/L	95
69) hexachlorobutadiene	12.84	225	205164	25.74	ug/L	98
70) naphthalene	12.95	128	413440	24.26	ug/L	100
71) 1,2,3-trichlorobenzene	13.08	180	224603	22.56	ug/L	99

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

30NOV31.D 82605C.M

Fri Dec 01 11:26:42 2023

Data File : D:\DATA\NOV2023C\NOV30\30NOV31.D
Acq On : 30 Nov 2023 6:19 pm
Sample : 2317726-CCV4
Misc : 1 ; 3K21029; 25ML
MS Integration Params: rteint.p
Quant Time: Dec 1 11:26 2023

Vial: 31
Operator: MGC
Inst : MS-V5
Multiplr: 1.00

Quant Results File: 82605C.RES

Method : C:\HPCHEM\1\METHODS\C\202311\26-0912\82605C.M (RTE Integrator)
Title : EPA Method 8260C/D
Last Update : Thu Nov 30 12:10:48 2023
Response via : Initial Calibration



Data File : D:\DATA\NOV2023C\NOV30\30NOV32.D
 Acq On : 30 Nov 2023 6:43 pm
 Sample : 2317726-CCV5
 Misc : 1 ;3K10017;25ML
 MS Integration Params: rteint.p
 Quant Time: Dec 1 11:27 2023

Vial: 32
 Operator: MGC
 Inst : MS-V5
 Multiplr: 1.00

Quant Results File: 82605CX.RES

Quant Method : C:\HPCHEM\1...\82605CX.M (RTE Integrator)
 Title : EPA Method 8260C/DX
 Last Update : Fri Dec 01 08:39:53 2023
 Response via : Initial Calibration
 DataAcq Meth : 82605

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene IS#1	7.50	137	45542	10.00	ug/L	0.00
29) 1,4-Difluorobenzene IS#2	8.19	63	92630	10.00	ug/L	0.00
36) Chlorobenzene d5 IS#3	10.30	119	109321	10.00	ug/L	0.00

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) ethanol	3.99	45	212192	4164.74	ug/L #	83
3) 2,2-Dichloro-1,1,1-trifluo	4.35	83	486545	23.28	ug/L #	93
4) 1,2-dichlorotrifluoroethan	4.25	67	433505	24.48	ug/L	96
5) Diethyl ether	4.15	59	202193	26.35	ug/L	94
6) isopropyl alcohol	4.74	45	239063	880.66	ug/L #	1
7) Acrolein	4.35	56	150508	229.78	ug/L	90
8) acetone	4.55	43	391515	350.27	ug/L	96
9) tert-butyl alcohol (TBA)	5.30	59	356809	850.29	ug/L	100
10) acetonitrile	4.94	41	71769	145.43	ug/L #	32
11) methyl acetate	4.98	43	943347	298.67	ug/L	100
12) allyl chloride	5.00	41	802574	28.27	ug/L	94
13) iodomethane	4.70	142	287049	16.07	ug/L	99
14) acrylonitrile	5.51	53	147312	84.84	ug/L #	90
15) carbon disulfide	4.80	76	1169238	28.32	ug/L	100
16) N-Hexane	6.00	57	337529	23.47	ug/L #	82
17) diisopropyl ether	6.27	87	147423	15.05	ug/L	77
18) Vinyl acetate	6.23	43	1720596	114.47	ug/L	99
19) chloroprene	6.33	53	741455	29.66	ug/L	95
20) tert-butyl ethyl ether	6.74	59	450922	15.44	ug/L	100
21) 2-butanone (MEK)	6.93	43	359405	171.30	ug/L	93
22) propionitrile	7.01	54	269855	428.73	ug/L #	78
23) Isobutyl alcohol	7.71	43	90084	413.50	ug/L #	51
24) methacrylonitrile	7.17	67	321589	160.43	ug/L	98
25) Tert-amyl alcohol	7.82	59	977483	2789.13	ug/L	90
26) tetrahydrofuran	7.23	42	479817	350.03	ug/L	91
27) Cyclohexane	7.56	56	650385	24.94	ug/L	90
28) tert-amyl methyl ether (TA	7.94	73	343626	15.40	ug/L	90
30) methyl methacrylate	8.63	69	318482m	77.64	ug/L	
31) Methylcyclohexane	8.60	55	505165	24.87	ug/L #	48
32) 1,4-dioxane	8.66	88	78185	1936.28	ug/L	94
33) Methyl isobutyl ketone(mib	9.22	43	795498	171.80	ug/L	99
34) ethyl methacrylate	9.54	69	625430	76.22	ug/L	99
35) 2-hexanone	9.78	43	1003008	341.10	ug/L	89
37) 5-Methyl-3-heptanone	11.08	43	278589	53.68	ug/L	82
38) cyclohexanone	10.97	55	233617	595.92	ug/L	95
39) t-1,4-dichloro-2-butene	11.08	75	187694	70.68	ug/L	99
40) Ethyl amyl ketone	11.40	57	137341	28.04	ug/L #	88
41) Pentachloroethane	11.46	167	11190	1.53	ug/L	93
42) benzyl chloride	11.74	91	375617	24.82	ug/L	98

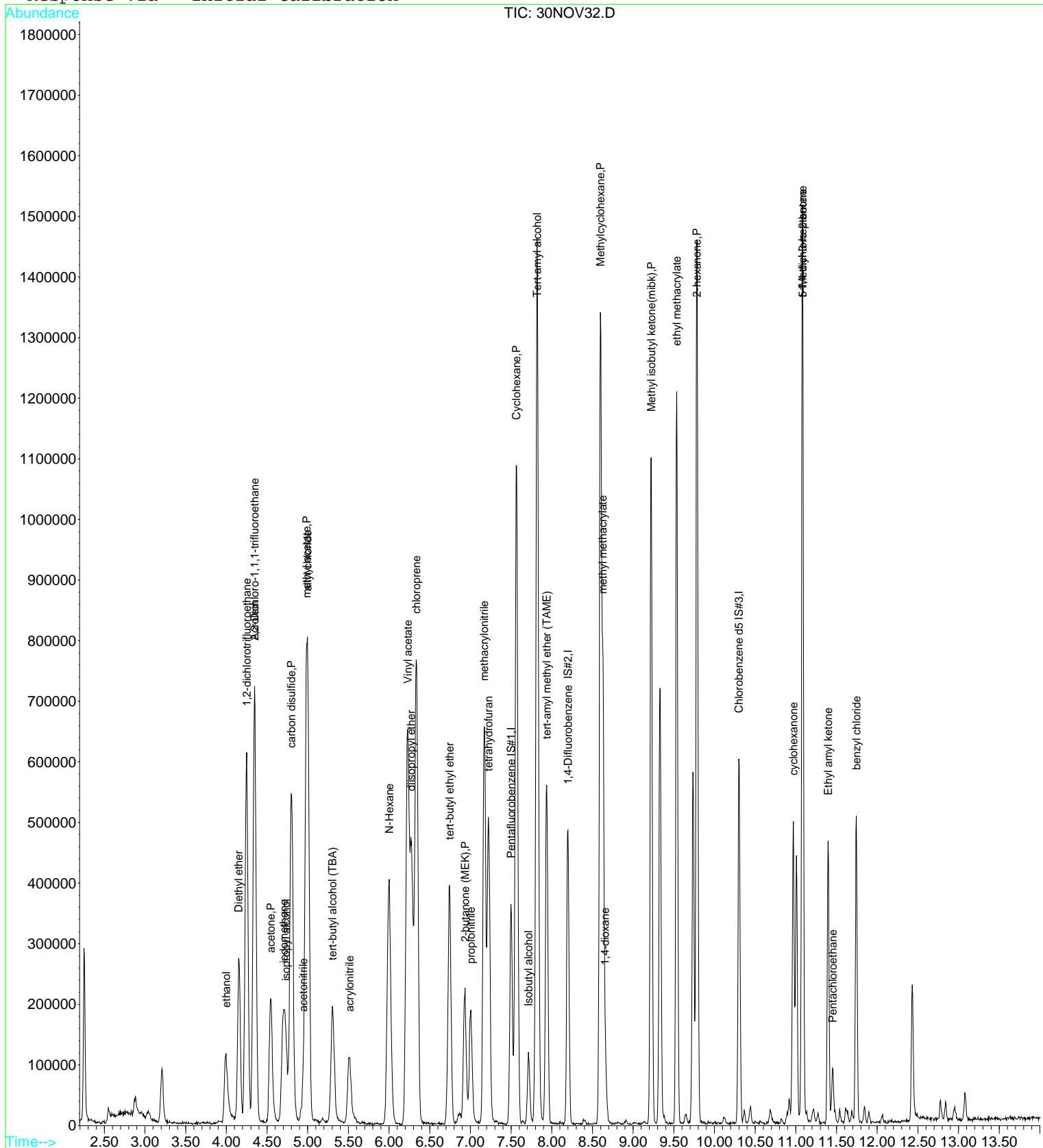
(#) = qualifier out of range (m) = manual integration

Data File : D:\DATA\NOV2023C\NOV30\30NOV32.D
Acq On : 30 Nov 2023 6:43 pm
Sample : 2317726-CCV5
Misc : 1 ;3K10017;25ML
MS Integration Params: rteint.p
Quant Time: Dec 1 11:27 2023

Vial: 32
Operator: MGC
Inst : MS-V5
Multiplr: 1.00

Quant Results File: 82605CX.RES

Method : C:\HPCHEM\1\METHODS\C\202311\26-1336\82605CX.M (RTE Integrator)
Title : EPA Method 8260C/DX
Last Update : Fri Dec 01 08:39:53 2023
Response via : Initial Calibration



Data File : D:\DATA\NOV2023C\NOV30\30NOV60.D
 Acq On : 1 Dec 2023 5:55 am
 Sample : 2317726-CCV7
 Misc : 1 ;3K21029;25ML
 MS Integration Params: rteint.p
 Quant Time: Dec 1 11:45 2023

Vial: 60
 Operator: MGC
 Inst : MS-V5
 Multiplr: 1.00

Quant Results File: 82605C.RES

Quant Method : C:\HPCHEM\1...\82605C.M (RTE Integrator)
 Title : EPA Method 8260C/D
 Last Update : Thu Nov 30 12:10:48 2023
 Response via : Initial Calibration
 DataAcq Meth : 82605

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene IS#1	7.50	137	50768	10.00	ug/L	0.00
26) 1,4-Difluorobenzene IS#2	8.20	63	99592	10.00	ug/L	0.00
41) Chlorobenzene d5 IS#3	10.30	119	119327	10.00	ug/L	0.00

System Monitoring Compounds

23) 1,2-dichloroethane d4 SMC	7.80	65	106031	10.59	ug/L	0.00
Spiked Amount	10.000	Range	75 - 125	Recovery	=	105.90%
33) Toluene d8 SMC#2	9.33	98	520598	10.17	ug/L	0.00
Spiked Amount	10.000	Range	80 - 120	Recovery	=	101.70%
51) Bromofluorobenzene SMC#3	11.01	95	171642	9.99	ug/L	0.00
Spiked Amount	10.000	Range	80 - 120	Recovery	=	99.90%

Target Compounds

	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.30	85	501014	27.05	ug/L	97
3) Chlorodifluoromethane	2.33	51	480832	23.01	ug/L	88
4) Chloromethane	2.56	50	647251	23.30	ug/L	99
5) Vinyl chloride	2.72	62	594411	24.17	ug/L	99
6) Bromomethane	3.21	94	205966	16.67	ug/L	97
7) Chloroethane	3.38	64	320585	24.48	ug/L	98
8) Dichlorofluoromethane	3.70	67	655178	23.33	ug/L	100
9) Trichlorofluoromethane	3.75	101	640191	24.97	ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	4.51	101	354519	25.01	ug/L	99
11) 1,1-Dichloroethene	4.49	61	611664	23.03	ug/L	98
12) Methylene chloride	5.18	84	322886	24.17	ug/L	95
13) MTBE	5.56	73	587030	26.11	ug/L	100
14) T-1,2-dichloroethene	5.57	96	373265	22.01	ug/L	98
15) 1,1-Dichloroethane	6.23	63	743571	23.75	ug/L	98
16) 2,2-Dichloropropane	6.96	77	630665	23.14	ug/L	98
17) Cis-1,2-dichloroethene	6.96	96	394884	22.66	ug/L	96
18) Bromochloromethane	7.21	128	134158	22.97	ug/L	95
19) Chloroform	7.32	83	622557	22.92	ug/L	99
20) 1,1,1-Trichloroethane	7.49	97	600933	23.00	ug/L	78
21) 1,1-Dichloropropene	7.64	75	510217	22.93	ug/L	99
22) Carbon tetrachloride	7.64	119	493421	23.23	ug/L	98
24) 1,2-Dichloroethane	7.88	62	347622	25.08	ug/L	99
25) Benzene	7.83	78	1315189	22.06	ug/L	98
27) Trichloroethene	8.40	130	381495	23.57	ug/L	99
28) 1,2-Dichloropropane	8.61	63	373546	24.44	ug/L	98
29) Dibromomethane	8.68	93	133252	24.96	ug/L	94
30) Bromodichloromethane	8.81	83	419720	24.50	ug/L	98
31) 2-ceve	9.00	63	471472	98.76	ug/L	99
32) Cis-1,3-dichloropropene	9.13	75	489897	23.33	ug/L	99
34) Toluene	9.38	92	849082	22.84	ug/L	92
35) Trans-1,3-dichloropropene	9.53	75	375993	23.59	ug/L	99
36) 1,1,2-Trichloroethane	9.66	97	187578	23.44	ug/L	99
37) Tetrachloroethene (PCE)	9.74	166	350069	23.16	ug/L	99
38) 1,3-Dichloropropane	9.78	76	326773	24.76	ug/L	98
39) Dibromochloromethane	9.92	129	237241	24.76	ug/L	97
40) 1,2-Dibromoethane	10.02	107	173994	24.16	ug/L	98
42) Chlorobenzene	10.32	112	853196	22.85	ug/L	97
43) 1,1,1,2-Tetrachloroethane	10.37	131	313022	23.46	ug/L	98
44) Ethylbenzene	10.37	106	518423	22.50	ug/L #	30
45) P+m-Xylene	10.44	106	1177263	45.06	ug/L	83
46) O-Xylene	10.68	106	612175	23.70	ug/L	91
47) Styrene	10.69	104	900728	22.81	ug/L	95
48) Bromoform	10.82	173	101322	24.13	ug/L	96
49) Isopropylbenzene	10.89	105	1396133	22.96	ug/L	93
50) 1,1,2,2-Tetrachloroethane	11.06	83	178192	23.26	ug/L	99

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

Data File : D:\DATA\NOV2023C\NOV30\30NOV60.D

Vial: 60

Acq On : 1 Dec 2023 5:55 am

Operator: MGC

Sample : 2317726-CCV7

Inst : MS-V5

Misc : 1 ;3K21029;25ML

Multiplr: 1.00

MS Integration Params: rteint.p

Quant Time: Dec 1 11:45 2023

Quant Results File: 82605C.RES

Quant Method : C:\HPCHEM\1...\82605C.M (RTE Integrator)

Title : EPA Method 8260C/D

Last Update : Thu Nov 30 12:10:48 2023

Response via : Initial Calibration

DataAcq Meth : 82605

Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
52) 1,2,3-Trichloropropane	11.11	110	49913	26.43	ug/L	98
53) n-propylbenzene	11.13	91	1569387	22.74	ug/L	91
54) bromobenzene	11.11	156	316269	23.97	ug/L	99
55) 1,3,5-trimethylbenzene	11.22	105	1169938	23.30	ug/L	95
56) 2-chlorotoluene	11.21	91	1147241	21.77	ug/L	94
57) 4-chlorotoluene	11.27	91	1022866	21.94	ug/L	94
58) tert-butylbenzene	11.42	119	1268152	22.13	ug/L	97
59) 1,2,4-trimethylbenzene	11.45	105	1145442	23.19	ug/L	93
60) sec-butylbenzene	11.54	105	1489527	22.61	ug/L	93
61) 4-isopropyltoluene	11.62	119	1234061	23.09	ug/L	94
62) 1,3-Dichlorobenzene	11.64	146	600899	22.08	ug/L	93
63) 1,4-Dichlorobenzene	11.69	146	602898	22.62	ug/L	97
64) n-butylbenzene	11.84	91	1142423	21.97	ug/L	95
65) 1,2-Dichlorobenzene	11.90	146	522742	22.42	ug/L	98
66) Hexachloroethane	12.06	117	279210	22.05	ug/L	97
67) 1,2-dibromo-3-chloropropan	12.32	75	26009	22.37	ug/L	84
68) 1,2,4-trichlorobenzene	12.78	180	303264	22.68	ug/L	97
69) hexachlorobutadiene	12.84	225	207466	23.72	ug/L	99
70) naphthalene	12.95	128	409044	21.87	ug/L	100
71) 1,2,3-trichlorobenzene	13.08	180	223852	20.49	ug/L	99

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

30NOV60.D 82605C.M

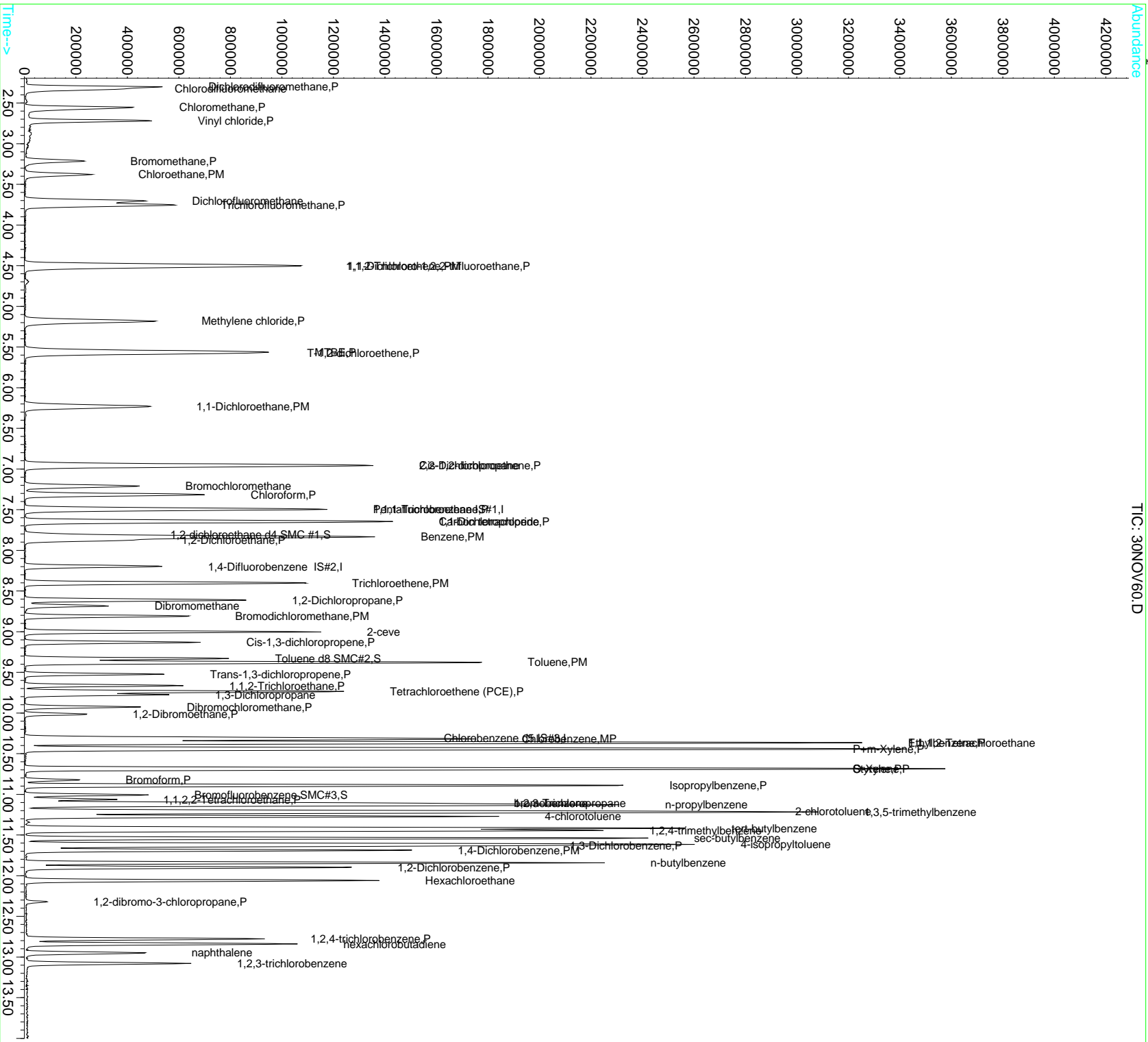
Fri Dec 01 11:45:56 2023

Data File : D:\DATA\NOV2023C\NOV30\30NOV60.D
Acq On : 1 Dec 2023 5:55 am
Sample : 2317726-CCV7
Misc : 1 ; 3K21029;25ML
MS Integration Params: rteint.p
Quant Time: Dec 1 11:45 2023

Vial: 60
Operator: MGC
Inst : MS-V5
Multiplr: 1.00

Quant Results File: 82605C.RES

Method : C:\HPCHEM\1\METHODS\C\202311\26-0912\82605C.M (RTE Integrator)
Title : EPA Method 8260C/D
Last Update : Thu Nov 30 12:10:48 2023
Response via : Initial Calibration



Data File : D:\DATA\NOV2023C\NOV30\30NOV61.D

Vial: 61

Acq On : 1 Dec 2023 6:19 am

Operator: MGC

Sample : 2317726-CCV8

Inst : MS-V5

Misc : 1 ;3K10017;25ML

Multiplr: 1.00

MS Integration Params: rteint.p

Quant Time: Dec 1 11:46 2023

Quant Results File: 82605CX.RES

Quant Method : C:\HPCHEM\1...\82605CX.M (RTE Integrator)

Title : EPA Method 8260C/DX

Last Update : Fri Dec 01 08:39:53 2023

Response via : Initial Calibration

DataAcq Meth : 82605

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene IS#1	7.50	137	50663	10.00	ug/L	0.00
29) 1,4-Difluorobenzene IS#2	8.19	63	102428	10.00	ug/L	0.00
36) Chlorobenzene d5 IS#3	10.30	119	120378	10.00	ug/L	0.00

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) ethanol	3.99	45	232150	4095.89	ug/L #	83
3) 2,2-Dichloro-1,1,1-trifluo	4.35	83	539274	23.20	ug/L #	94
4) 1,2-dichlorotrifluoroethan	4.25	67	486175	24.68	ug/L	94
5) Diethyl ether	4.16	59	214106	25.08	ug/L	94
6) isopropyl alcohol	4.73	45	249634	826.65	ug/L #	1
7) Acrolein	4.36	56	175340	240.63	ug/L	90
8) acetone	4.55	43	403357	324.39	ug/L	97
9) tert-butyl alcohol (TBA)	5.30	59	380326	814.72	ug/L	100
10) acetonitrile	4.93	41	82286	149.88	ug/L	74
11) methyl acetate	4.98	43	973670	277.11	ug/L	99
12) allyl chloride	5.00	41	909347	28.79	ug/L	95
13) iodomethane	4.70	142	331372	16.67	ug/L	100
14) acrylonitrile	5.51	53	159132	82.38	ug/L #	91
15) carbon disulfide	4.80	76	1302524	28.36	ug/L	100
16) N-Hexane	6.01	57	396337	24.77	ug/L #	82
17) diisopropyl ether	6.28	87	169485	15.55	ug/L	75
18) Vinyl acetate	6.23	43	2543873	161.58	ug/L	97
19) chloroprene	6.33	53	834656	30.01	ug/L	97
20) tert-butyl ethyl ether	6.74	59	502337	15.46	ug/L	100
21) 2-butanone (MEK)	6.93	43	380898	163.19	ug/L	94
22) propionitrile	7.00	54	279397	399.02	ug/L #	80
23) Isobutyl alcohol	7.71	43	94220	388.77	ug/L #	50
24) methacrylonitrile	7.17	67	339306	152.16	ug/L	100
25) Tert-amyl alcohol	7.82	59	1056065	2708.77	ug/L	90
26) tetrahydrofuran	7.22	42	504901	331.10	ug/L	92
27) Cyclohexane	7.56	56	718751	24.77	ug/L	90
28) tert-amyl methyl ether (TA	7.94	73	372133	14.99	ug/L	90
30) methyl methacrylate	8.63	69	339246m	74.79	ug/L	
31) Methylcyclohexane	8.60	55	559865	24.93	ug/L #	46
32) 1,4-dioxane	8.65	88	77444	1734.47	ug/L	84
33) Methyl isobutyl ketone(mib	9.22	43	830921	160.78	ug/L	97
34) ethyl methacrylate	9.54	69	679538	74.89	ug/L	99
35) 2-hexanone	9.78	43	1042113	316.15	ug/L	87
37) 5-Methyl-3-heptanone	11.08	43	290857	50.90	ug/L	80
38) cyclohexanone	10.97	55	210493	466.10	ug/L	96
39) t-1,4-dichloro-2-butene	11.08	75	208651	71.36	ug/L	99
40) Ethyl amyl ketone	11.40	57	140163	25.99	ug/L #	89
41) Pentachloroethane	11.45	167	126031	15.64	ug/L	86
42) benzyl chloride	11.74	91	472609	28.36	ug/L	99

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

30NOV61.D 82605CX.M

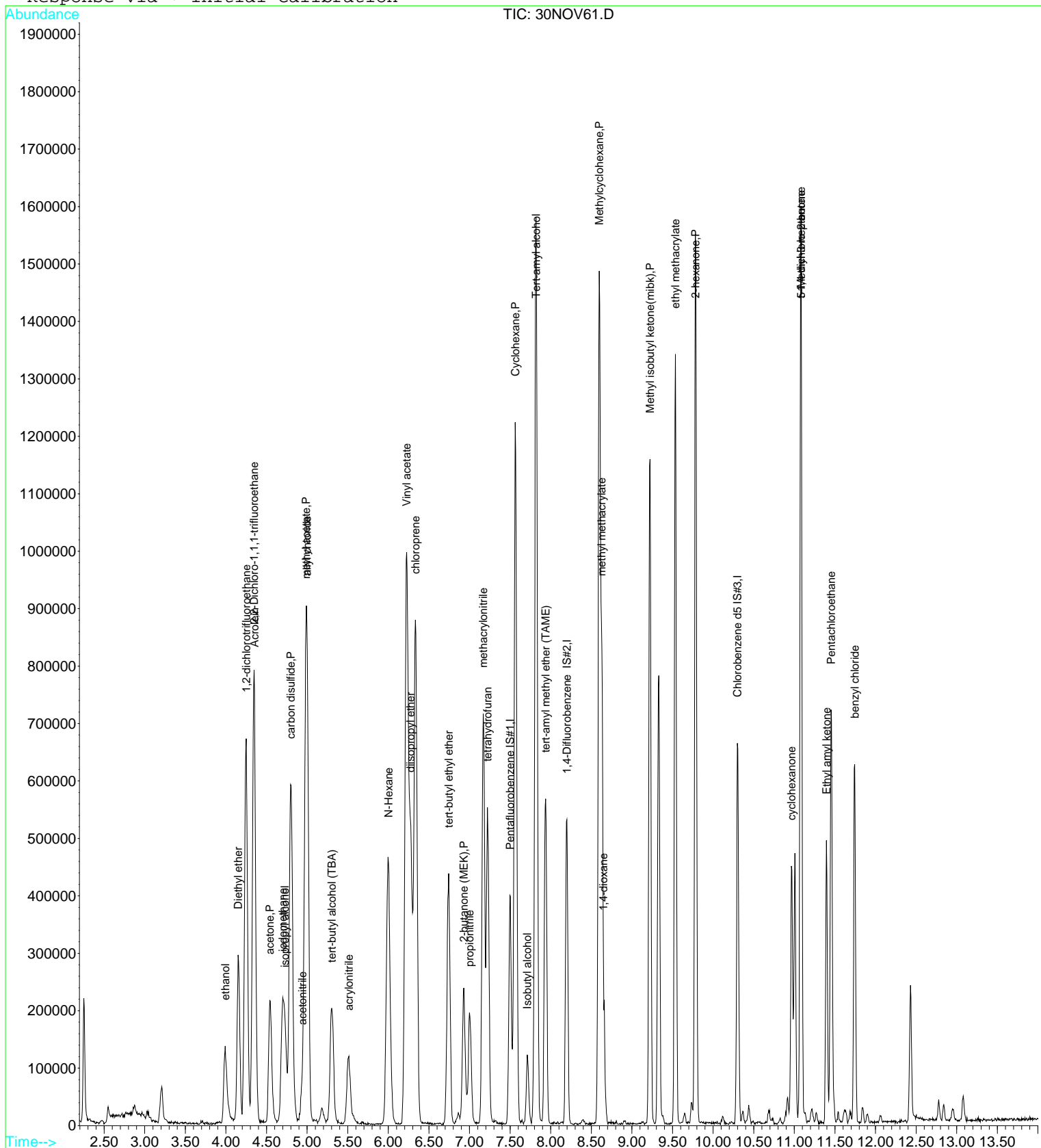
Fri Dec 01 11:46:33 2023

Data File : D:\DATA\NOV2023C\NOV30\30NOV61.D
Acq On : 1 Dec 2023 6:19 am
Sample : 2317726-CCV8
Misc : 1 ;3K10017;25ML
MS Integration Params: rteint.p
Quant Time: Dec 1 11:46 2023

Vial: 61
Operator: MGC
Inst : MS-V5
Multiplr: 1.00

Quant Results File: 82605CX.RES

Method : C:\HPCHEM\1\METHODS\C\202311\26-1336\82605CX.M (RTE Integrator)
Title : EPA Method 8260C/DX
Last Update : Fri Dec 01 08:39:53 2023
Response via : Initial Calibration



Data File : D:\DATA\NOV2023C\NOV30\30NOV74.D
 Acq On : 1 Dec 2023 11:31 am
 Sample : 2317726-CCVA
 Misc : 1 ;3K21029;25ML
 MS Integration Params: rteint.p
 Quant Time: Dec 1 12:05 2023

Vial: 4
 Operator: MGC
 Inst : MS-V5
 Multiplr: 1.00

Quant Results File: 82605C.RES

Quant Method : C:\HPCHEM\1...\82605C.M (RTE Integrator)
 Title : EPA Method 8260C/D
 Last Update : Thu Nov 30 12:10:48 2023
 Response via : Initial Calibration
 DataAcq Meth : 82605

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene IS#1	7.50	137	48450	10.00	ug/L	0.00
26) 1,4-Difluorobenzene IS#2	8.20	63	97485	10.00	ug/L	0.00
41) Chlorobenzene d5 IS#3	10.30	119	113971	10.00	ug/L	0.00

System Monitoring Compounds

23) 1,2-dichloroethane d4 SMC	7.80	65	96231	10.07	ug/L	0.00
Spiked Amount	10.000	Range	75 - 125	Recovery	=	100.70%
33) Toluene d8 SMC#2	9.33	98	501743	10.02	ug/L	0.00
Spiked Amount	10.000	Range	80 - 120	Recovery	=	100.20%
51) Bromofluorobenzene SMC#3	11.01	95	164782	10.04	ug/L	0.00
Spiked Amount	10.000	Range	80 - 120	Recovery	=	100.40%

Target Compounds

	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.30	85	523506	29.62	ug/L	98
3) Chlorodifluoromethane	2.33	51	499203	25.03	ug/L	87
4) Chloromethane	2.55	50	660958	24.93	ug/L	98
5) Vinyl chloride	2.72	62	618577	26.36	ug/L	99
6) Bromomethane	3.21	94	256133	21.73	ug/L	99
7) Chloroethane	3.38	64	334474	26.76	ug/L	96
8) Dichlorofluoromethane	3.70	67	678208	25.31	ug/L	99
9) Trichlorofluoromethane	3.75	101	658195	26.90	ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	4.51	101	368537	27.24	ug/L	99
11) 1,1-Dichloroethene	4.50	61	633811	25.00	ug/L	99
12) Methylene chloride	5.18	84	325876	25.59	ug/L	98
13) MTBE	5.56	73	534979	24.92	ug/L	100
14) T-1,2-dichloroethene	5.57	96	395527	24.44	ug/L	98
15) 1,1-Dichloroethane	6.23	63	743985	24.90	ug/L	99
16) 2,2-Dichloropropane	6.96	77	640217	24.61	ug/L	99
17) Cis-1,2-dichloroethene	6.95	96	400323	24.08	ug/L	96
18) Bromochloromethane	7.21	128	134616	24.15	ug/L	99
19) Chloroform	7.31	83	624400	24.09	ug/L	98
20) 1,1,1-Trichloroethane	7.49	97	618836	24.82	ug/L	77
21) 1,1-Dichloropropene	7.64	75	518617	24.42	ug/L	99
22) Carbon tetrachloride	7.65	119	510571	25.19	ug/L	98
24) 1,2-Dichloroethane	7.87	62	335000	25.32	ug/L	98
25) Benzene	7.84	78	1337378	23.50	ug/L	97
27) Trichloroethene	8.40	130	392933	24.80	ug/L	100
28) 1,2-Dichloropropane	8.61	63	371415	24.83	ug/L	99
29) Dibromomethane	8.68	93	125169	23.96	ug/L	98
30) Bromodichloromethane	8.81	83	411861	24.56	ug/L	97
31) 2-ceve	9.00	63	443713	94.96	ug/L	100
32) Cis-1,3-dichloropropene	9.13	75	482862	23.49	ug/L	99
34) Toluene	9.38	92	869797	23.90	ug/L	92
35) Trans-1,3-dichloropropene	9.52	75	362113	23.21	ug/L	99
36) 1,1,2-Trichloroethane	9.66	97	180706	23.07	ug/L	99
37) Tetrachloroethene (PCE)	9.74	166	364383	24.62	ug/L	99
38) 1,3-Dichloropropane	9.77	76	313204	24.25	ug/L	98
39) Dibromochloromethane	9.93	129	226650	24.17	ug/L	97
40) 1,2-Dibromoethane	10.01	107	165012	23.40	ug/L	100
42) Chlorobenzene	10.32	112	861595	24.16	ug/L	97
43) 1,1,1,2-Tetrachloroethane	10.37	131	310343	24.35	ug/L	96
44) Ethylbenzene	10.37	106	535233	24.32	ug/L #	28
45) P+m-Xylene	10.44	106	1186871	47.56	ug/L	82
46) O-Xylene	10.68	106	601237	24.37	ug/L	92
47) Styrene	10.69	104	897584	23.80	ug/L	96
48) Bromoform	10.82	173	92280	23.01	ug/L	100
49) Isopropylbenzene	10.89	105	1427433	25.09	ug/L	93
50) 1,1,2,2-Tetrachloroethane	11.06	83	162112	22.16	ug/L	98

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

Data File : D:\DATA\NOV2023C\NOV30\30NOV74.D

Vial: 4

Acq On : 1 Dec 2023 11:31 am

Operator: MGC

Sample : 2317726-CCVA

Inst : MS-V5

Misc : 1 ;3K21029;25ML

Multiplr: 1.00

MS Integration Params: rteint.p

Quant Time: Dec 1 12:05 2023

Quant Results File: 82605C.RES

Quant Method : C:\HPCHEM\1...\82605C.M (RTE Integrator)

Title : EPA Method 8260C/D

Last Update : Thu Nov 30 12:10:48 2023

Response via : Initial Calibration

DataAcq Meth : 82605

Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
52) 1,2,3-Trichloropropane	11.10	110	43676	24.22	ug/L	100
53) n-propylbenzene	11.13	91	1580631	24.45	ug/L	90
54) bromobenzene	11.11	156	317740	25.21	ug/L	97
55) 1,3,5-trimethylbenzene	11.22	105	1172666	24.73	ug/L	94
56) 2-chlorotoluene	11.21	91	1151836	22.88	ug/L	94
57) 4-chlorotoluene	11.27	91	1019613	22.90	ug/L	94
58) tert-butylbenzene	11.42	119	1288705	23.54	ug/L	98
59) 1,2,4-trimethylbenzene	11.44	105	1146719	24.56	ug/L	93
60) sec-butylbenzene	11.54	105	1514698	24.59	ug/L	93
61) 4-isopropyltoluene	11.61	119	1243784	24.70	ug/L	94
62) 1,3-Dichlorobenzene	11.63	146	607645	23.37	ug/L	96
63) 1,4-Dichlorobenzene	11.69	146	597526	23.48	ug/L	96
64) n-butylbenzene	11.84	91	1152835	23.21	ug/L	93
65) 1,2-Dichlorobenzene	11.90	146	509934	22.90	ug/L	99
66) Hexachloroethane	12.06	117	281125	23.24	ug/L	97
67) 1,2-dibromo-3-chloropropan	12.32	75	23130	20.83	ug/L	94
68) 1,2,4-trichlorobenzene	12.78	180	302945	23.72	ug/L	95
69) hexachlorobutadiene	12.84	225	215490	25.80	ug/L	98
70) naphthalene	12.95	128	373663	20.92	ug/L	100
71) 1,2,3-trichlorobenzene	13.08	180	215182	20.62	ug/L	99

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

30NOV74.D 82605C.M

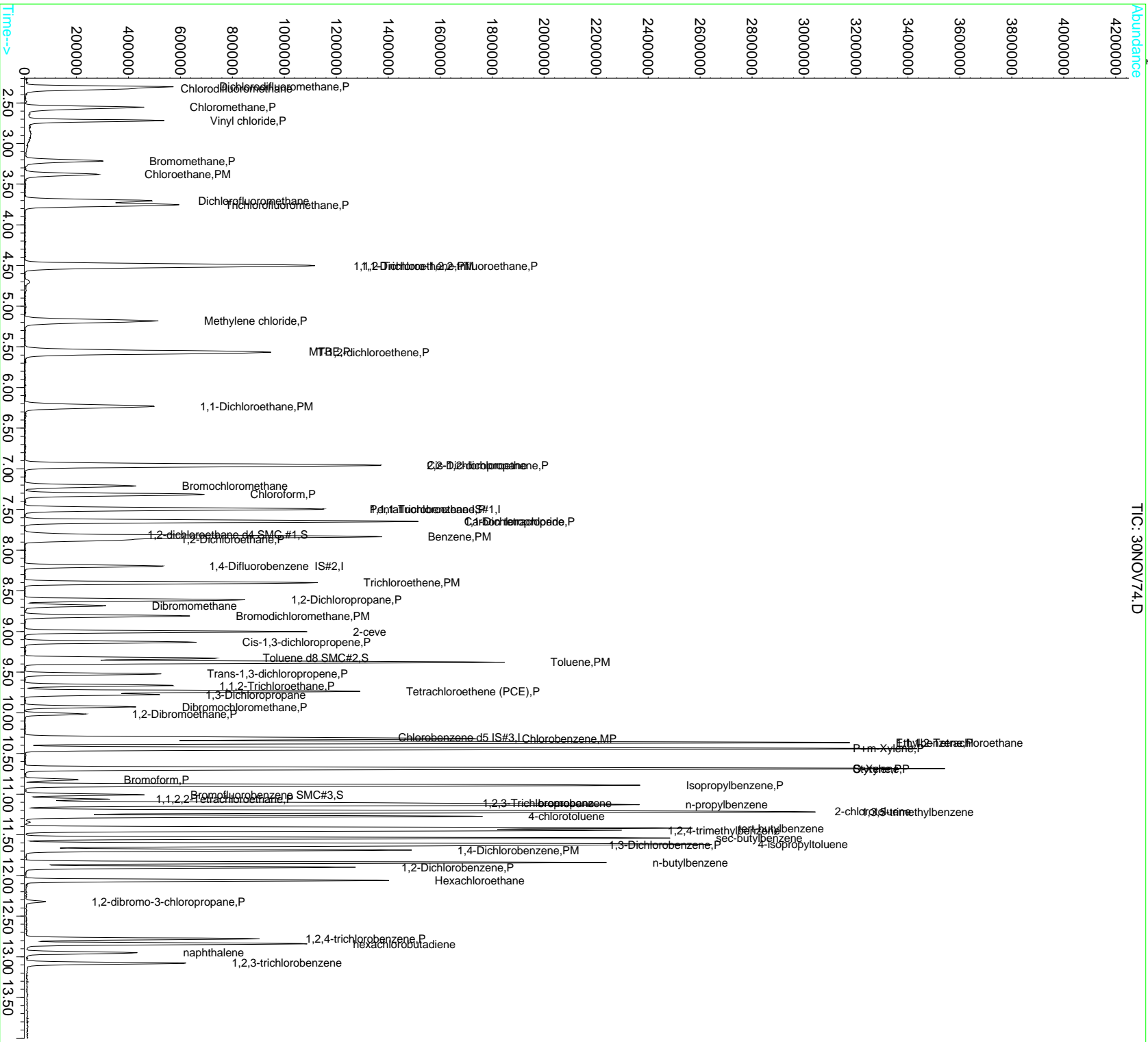
Fri Dec 01 12:06:07 2023

Data File : D:\DATA\NOV2023C\NOV30\30NOV74.D
Acq On : 1 Dec 2023 11:31 am
Sample : 2317726-CCVA
Misc : 1 ; 3K21029;25ML
MS Integration Params: rteint.p
Quant Time: Dec 1 12:05 2023

Vial: 4
Operator: MGC
Inst : MS-V5
Multiplr: 1.00

Quant Results File: 82605C.RES

Method : C:\HPCHEM\1\METHODS\C\202311\26-0912\82605C.M (RTE Integrator)
Title : EPA Method 8260C/D
Last Update : Thu Nov 30 12:10:48 2023
Response via : Initial Calibration



Data File : D:\DATA\NOV2023C\NOV30\30NOV75.D
 Acq On : 1 Dec 2023 11:55 am
 Sample : 2317726-CCVB
 Misc : 1 ;3K10017;25ML
 MS Integration Params: rteint.p
 Quant Time: Dec 1 13:18 2023

Vial: 5
 Operator: MGC
 Inst : MS-V5
 Multiplr: 1.00

Quant Results File: 82605CX.RES

Quant Method : C:\HPCHEM\1...\82605CX.M (RTE Integrator)
 Title : EPA Method 8260C/DX
 Last Update : Fri Dec 01 08:39:53 2023
 Response via : Initial Calibration
 DataAcq Meth : 82605

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene IS#1	7.50	137	51647	10.00	ug/L	0.00
29) 1,4-Difluorobenzene IS#2	8.20	63	100783	10.00	ug/L	0.00
36) Chlorobenzene d5 IS#3	10.30	119	121108	10.00	ug/L	0.00

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) ethanol	3.99	45	231958	4014.53	ug/L #	82
3) 2,2-Dichloro-1,1,1-trifluo	4.34	83	567566	23.95	ug/L #	94
4) 1,2-dichlorotrifluoroethan	4.25	67	517491	25.77	ug/L	94
5) Diethyl ether	4.15	59	212845	24.46	ug/L	92
6) isopropyl alcohol	4.73	45	244943	795.66	ug/L #	82
7) Acrolein	4.35	56	174610	235.07	ug/L	91
8) acetone	4.54	43	397222	313.37	ug/L	97
9) tert-butyl alcohol (TBA)	5.31	59	369611	776.68	ug/L	100
10) acetonitrile	4.94	41	81405	145.45	ug/L #	56
11) methyl acetate	4.98	43	940297	262.51	ug/L	99
12) allyl chloride	5.00	41	971580	30.18	ug/L	96
13) iodomethane	4.69	142	353471	17.45	ug/L	98
14) acrylonitrile	5.51	53	153612	78.01	ug/L #	88
15) carbon disulfide	4.80	76	1397666	29.85	ug/L	99
16) N-Hexane	6.00	57	427372	26.20	ug/L #	82
17) diisopropyl ether	6.28	87	173650	15.63	ug/L	77
18) Vinyl acetate	6.23	43	2550070	158.19	ug/L	98
19) chloroprene	6.34	53	892093	31.46	ug/L	98
20) tert-butyl ethyl ether	6.74	59	508536	15.35	ug/L	99
21) 2-butanone (MEK)	6.93	43	368654	154.94	ug/L	95
22) propionitrile	7.01	54	276345	387.15	ug/L #	78
23) Isobutyl alcohol	7.72	43	91985	372.31	ug/L #	50
24) methacrylonitrile	7.17	67	336053	147.83	ug/L	99
25) Tert-amyl alcohol	7.82	59	1005016	2528.72	ug/L	89
26) tetrahydrofuran	7.23	42	493416	317.40	ug/L	91
27) Cyclohexane	7.57	56	764498	25.93	ug/L	90
28) tert-amyl methyl ether (TA	7.94	73	369145	14.59	ug/L	90
30) methyl methacrylate	8.63	69	333930m	74.82	ug/L	
31) Methylcyclohexane	8.60	55	592582	26.82	ug/L #	45
32) 1,4-dioxane	8.66	88	79504	1809.67	ug/L	91
33) Methyl isobutyl ketone(mib	9.22	43	822492	161.90	ug/L	98
34) ethyl methacrylate	9.54	69	666045	74.60	ug/L	99
35) 2-hexanone	9.78	43	1013951	311.90	ug/L	87
37) 5-Methyl-3-heptanone	11.08	43	274442	47.74	ug/L	81
38) cyclohexanone	10.97	55	206137	451.38	ug/L	95
39) t-1,4-dichloro-2-butene	11.08	75	207668	70.59	ug/L	98
40) Ethyl amyl ketone	11.40	57	133737	24.64	ug/L #	87
41) Pentachloroethane	11.46	167	130551	16.11	ug/L	84
42) benzyl chloride	11.74	91	477104	28.45	ug/L	99

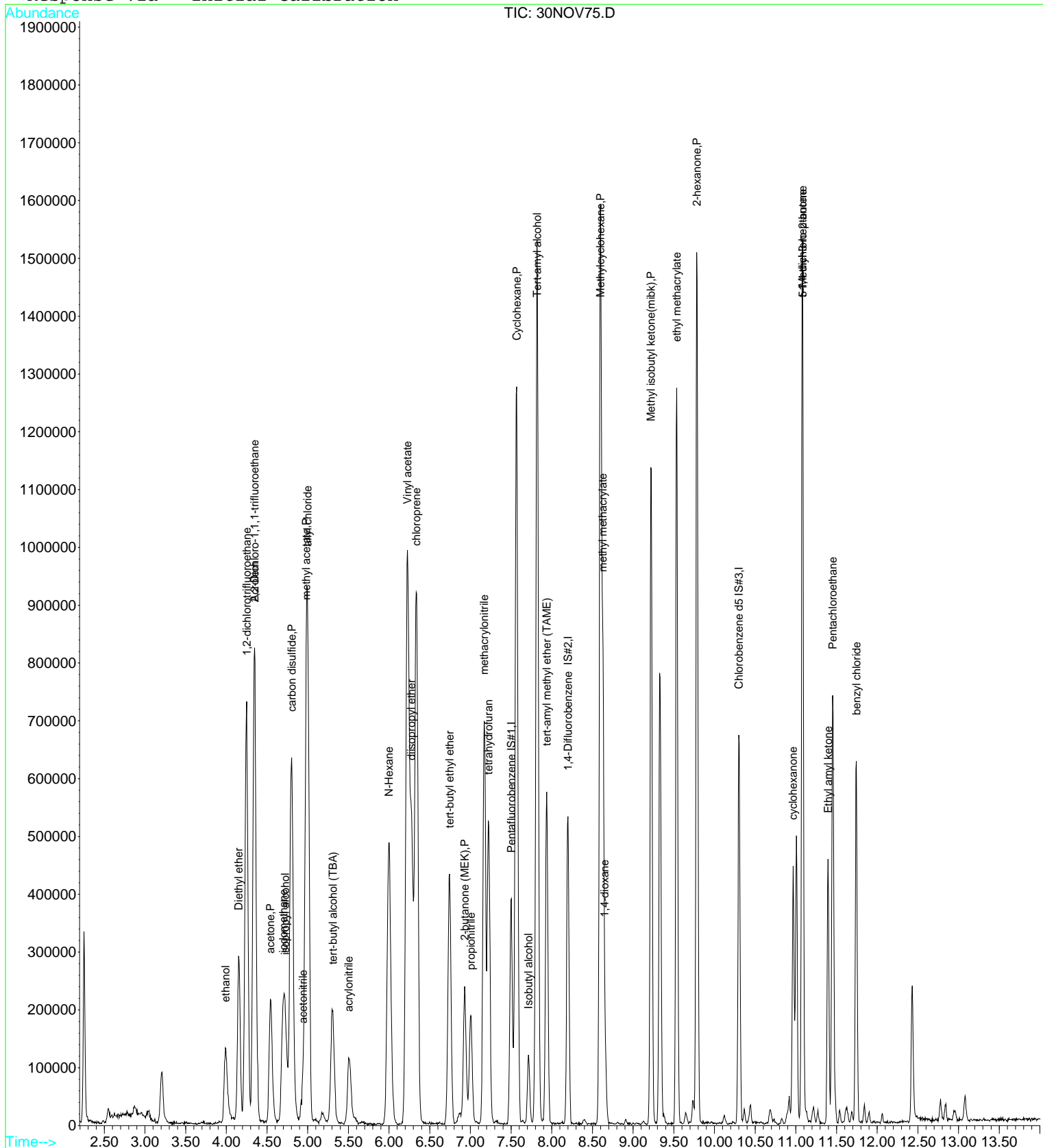
(#) = qualifier out of range (m) = manual integration

Data File : D:\DATA\NOV2023C\NOV30\30NOV75.D
Acq On : 1 Dec 2023 11:55 am
Sample : 2317726-CCVB
Misc : 1 ;3K10017;25ML
MS Integration Params: rteint.p
Quant Time: Dec 1 13:18 2023

Vial: 5
Operator: MGC
Inst : MS-V5
Multiplr: 1.00

Quant Results File: 82605CX.RES

Method : C:\HPCHEM\1\METHODS\C\202311\26-1336\82605CX.M (RTE Integrator)
Title : EPA Method 8260C/DX
Last Update : Fri Dec 01 08:39:53 2023
Response via : Initial Calibration



Raw Data - CCB

Data File : D:\DATA\NOV2023C\NOV30\30NOV34.D
 Acq On : 30 Nov 2023 7:31 pm
 Sample : 2317726-CCB2
 Misc : 1 ;3I27027;25ML

Vial: 34
 Operator: MGC
 Inst : MS-V5
 Multiplr: 1.00

MS Integration Params: rteint.p

Quant Time: Dec 1 11:29 2023

Quant Results File: 82605C.RES

Quant Method : C:\HPCHEM\1...\82605C.M (RTE Integrator)

Title : EPA Method 8260C/D
 Last Update : Thu Nov 30 12:10:48 2023
 Response via : Initial Calibration
 DataAcq Meth : 82605

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene IS#1	7.50	137	51317	10.00	ug/L	0.00
26) 1,4-Difluorobenzene IS#2	8.20	63	102612	10.00	ug/L	0.00
41) Chlorobenzene d5 IS#3	10.30	119	119376	10.00	ug/L	0.00

System Monitoring Compounds

23) 1,2-dichloroethane d4 SMC	7.80	65	109081	10.78	ug/L	0.00
Spiked Amount	10.000	Range	75 - 125	Recovery	=	107.80%
33) Toluene d8 SMC#2	9.33	98	517039	9.81	ug/L	0.00
Spiked Amount	10.000	Range	80 - 120	Recovery	=	98.10%
51) Bromofluorobenzene SMC#3	11.01	95	172305	10.03	ug/L	0.00
Spiked Amount	10.000	Range	80 - 120	Recovery	=	100.30%

Target Compounds

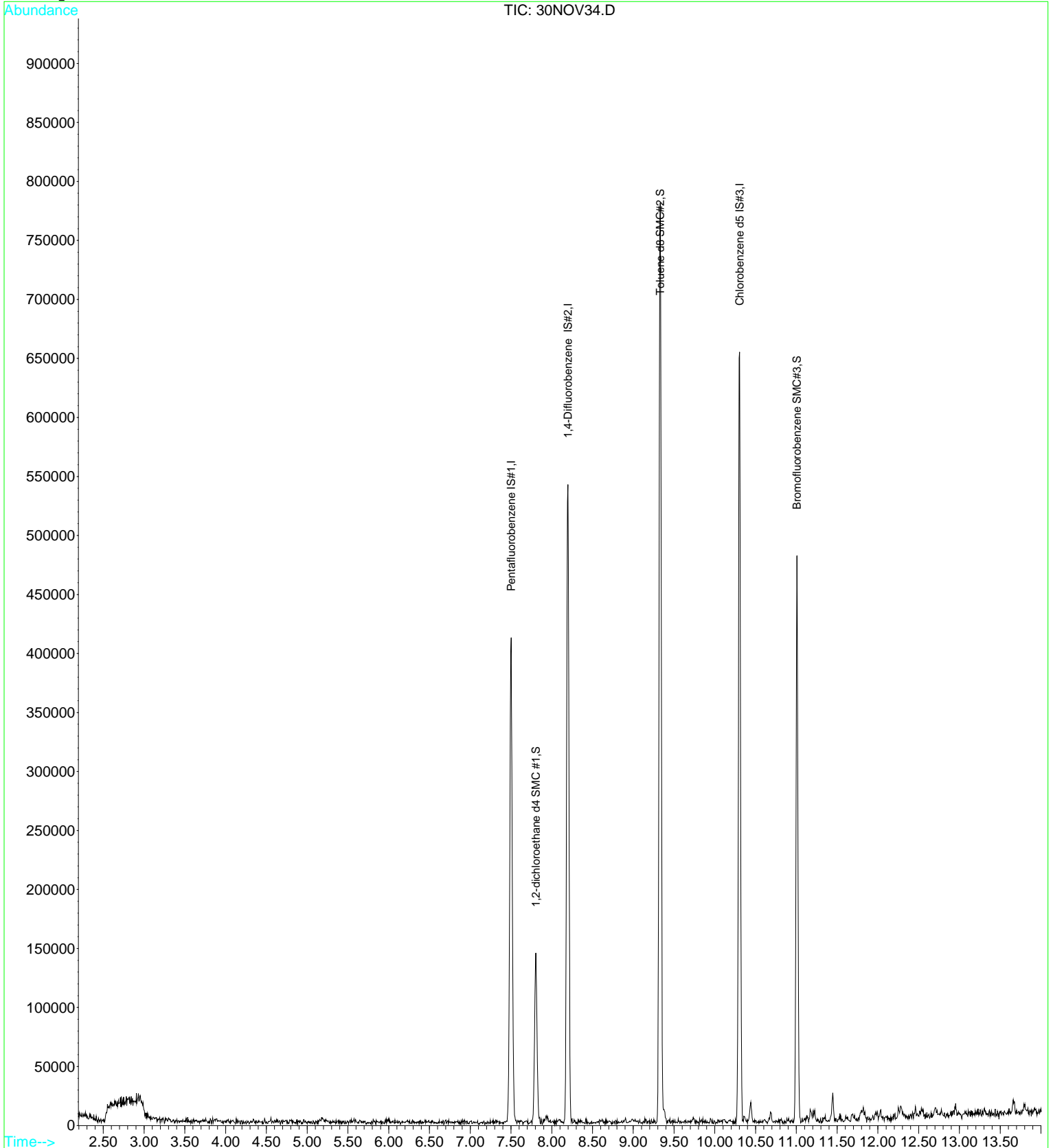
Qvalue

Data File : D:\DATA\NOV2023C\NOV30\30NOV34.D
Acq On : 30 Nov 2023 7:31 pm
Sample : 2317726-CCB2
Misc : 1 ;3I27027;25ML
MS Integration Params: rteint.p
Quant Time: Dec 1 11:29 2023

Vial: 34
Operator: MGC
Inst : MS-V5
Multiplr: 1.00

Quant Results File: 82605C.RES

Method : C:\HPCHEM\1\METHODS\C\202311\26-0912\82605C.M (RTE Integrator)
Title : EPA Method 8260C/D
Last Update : Thu Nov 30 12:10:48 2023
Response via : Initial Calibration



Data File : D:\DATA\NOV2023C\NOV30\30NOV34.D
 Acq On : 30 Nov 2023 7:31 pm
 Sample : 2317726-CCB2
 Misc : 1 ;3I27027;25ML

Vial: 34
 Operator: MGC
 Inst : MS-V5
 Multiplr: 1.00

MS Integration Params: rteint.p
 Quant Time: Dec 1 11:29 2023

Quant Results File: 82605CX.RES

Quant Method : C:\HPCHEM\1...\82605CX.M (RTE Integrator)
 Title : EPA Method 8260C/DX
 Last Update : Fri Dec 01 08:39:53 2023
 Response via : Initial Calibration
 DataAcq Meth : 82605

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene IS#1	7.50	137	51317	10.00	ug/L	0.00
29) 1,4-Difluorobenzene IS#2	8.20	63	102612	10.00	ug/L	0.00
36) Chlorobenzene d5 IS#3	10.30	119	119376	10.00	ug/L	0.00

Target Compounds Qvalue

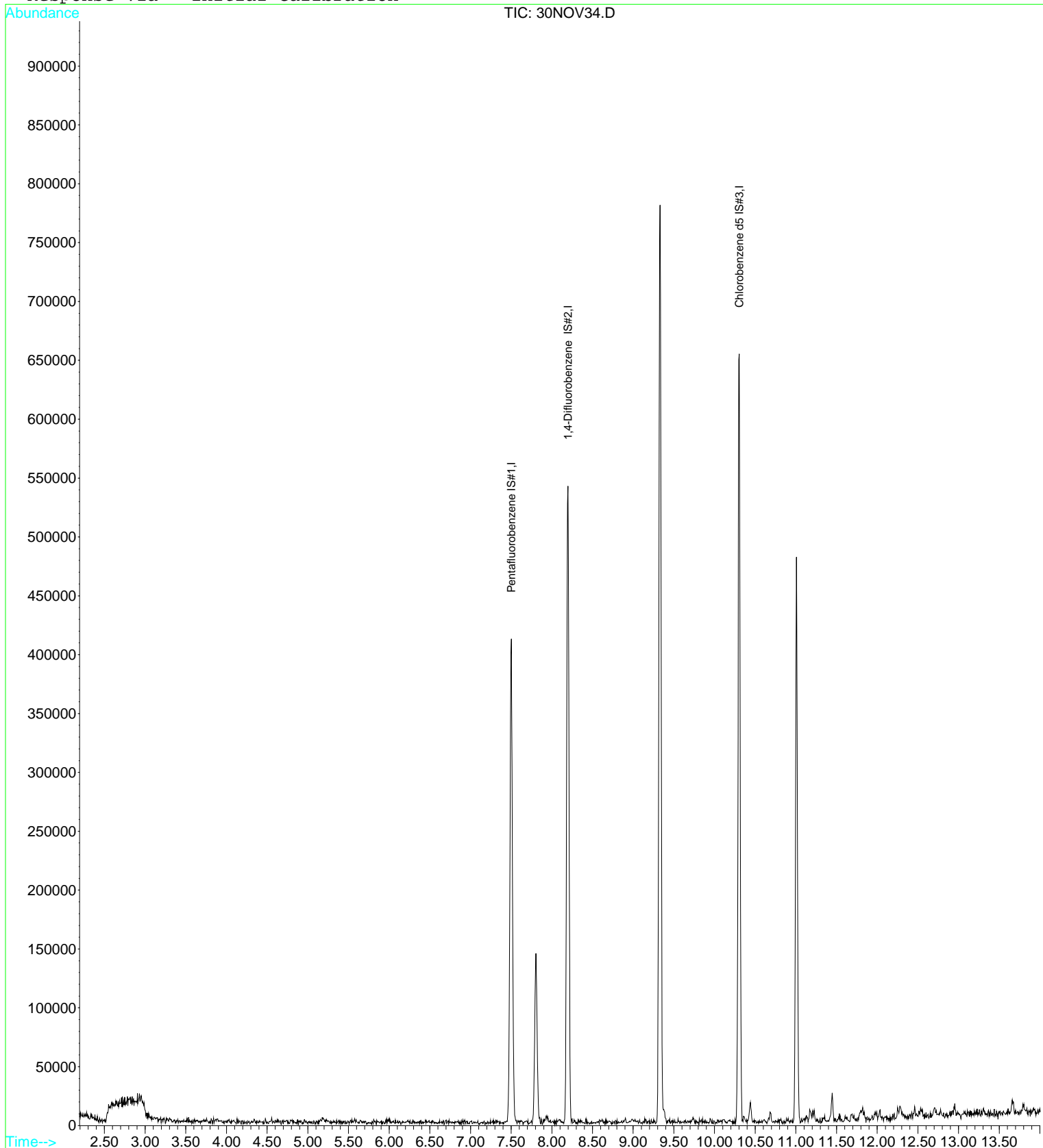
Quantitation Report

Data File : D:\DATA\NOV2023C\NOV30\30NOV34.D
Acq On : 30 Nov 2023 7:31 pm
Sample : 2317726-CCB2
Misc : 1 ;3I27027;25ML
MS Integration Params: rteint.p
Quant Time: Dec 1 11:29 2023

Vial: 34
Operator: MGC
Inst : MS-V5
Multiplr: 1.00

Quant Results File: 82605CX.RES

Method : C:\HPCHEM\1\METHODS\C\202311\26-1336\82605CX.M (RTE Integrator)
Title : EPA Method 8260C/DX
Last Update : Fri Dec 01 08:39:53 2023
Response via : Initial Calibration



Data File : D:\DATA\NOV2023C\NOV30\30NOV63.D
 Acq On : 1 Dec 2023 7:07 am
 Sample : 2317726-CCB3
 Misc : 1 ;3I27027;25ML

Vial: 63
 Operator: MGC
 Inst : MS-V5
 Multiplr: 1.00

MS Integration Params: rteint.p

Quant Time: Dec 1 11:49 2023

Quant Results File: 82605C.RES

Quant Method : C:\HPCHEM\1...\82605C.M (RTE Integrator)

Title : EPA Method 8260C/D
 Last Update : Thu Nov 30 12:10:48 2023
 Response via : Initial Calibration
 DataAcq Meth : 82605

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene IS#1	7.50	137	51955	10.00	ug/L	0.00
26) 1,4-Difluorobenzene IS#2	8.19	63	102950	10.00	ug/L	0.00
41) Chlorobenzene d5 IS#3	10.31	119	122253	10.00	ug/L	0.00

System Monitoring Compounds

23) 1,2-dichloroethane d4 SMC	7.81	65	107779	10.52	ug/L	0.00
Spiked Amount	10.000	Range	75 - 125	Recovery	=	105.20%
33) Toluene d8 SMC#2	9.33	98	524589	9.92	ug/L	0.00
Spiked Amount	10.000	Range	80 - 120	Recovery	=	99.20%
51) Bromofluorobenzene SMC#3	11.00	95	177249	10.07	ug/L	0.00
Spiked Amount	10.000	Range	80 - 120	Recovery	=	100.70%

Target Compounds

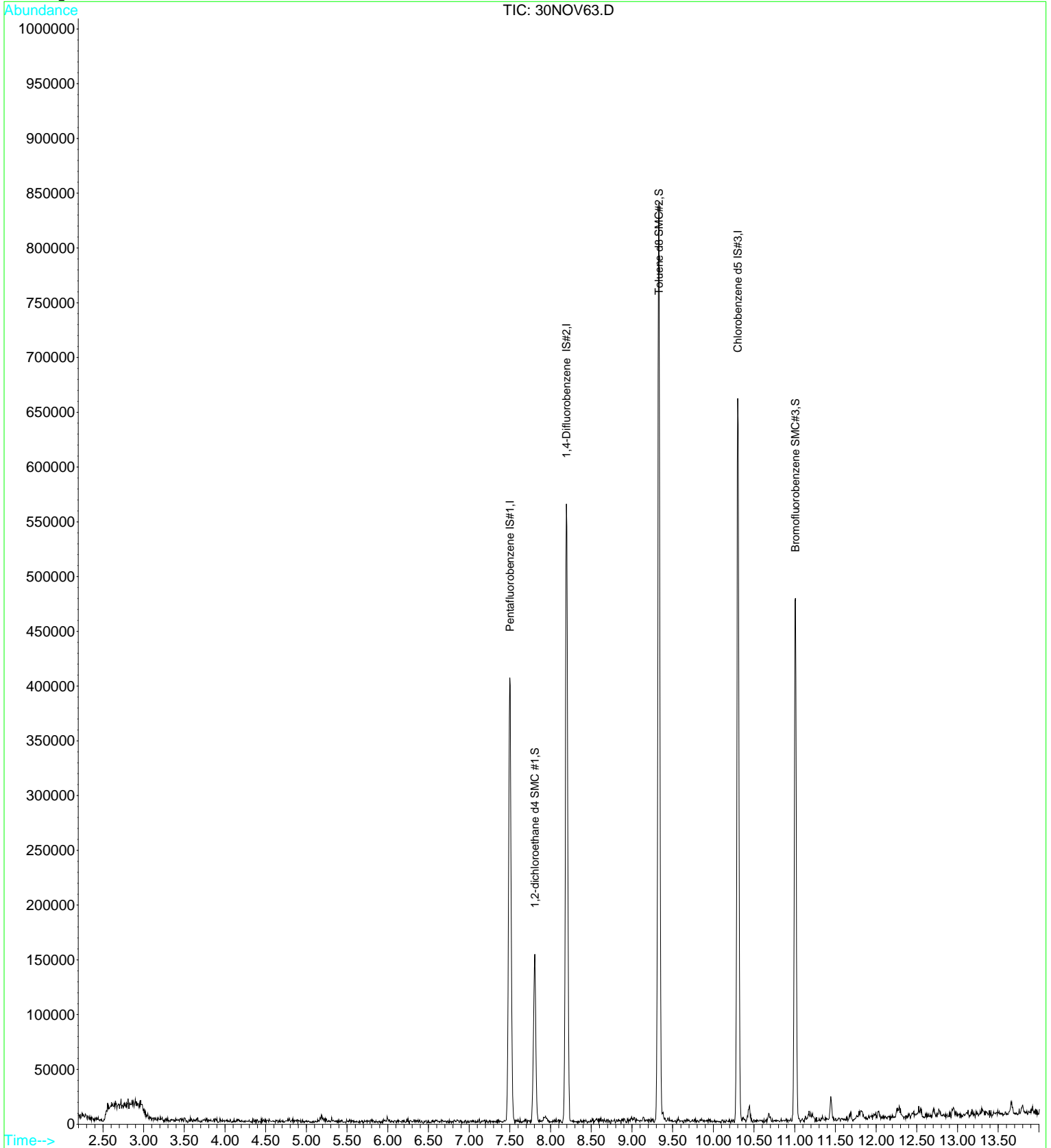
Qvalue

Data File : D:\DATA\NOV2023C\NOV30\30NOV63.D
Acq On : 1 Dec 2023 7:07 am
Sample : 2317726-CCB3
Misc : 1 ;3I27027;25ML
MS Integration Params: rteint.p
Quant Time: Dec 1 11:49 2023

Vial: 63
Operator: MGC
Inst : MS-V5
Multiplr: 1.00

Quant Results File: 82605C.RES

Method : C:\HPCHEM\1\METHODS\C\202311\26-0912\82605C.M (RTE Integrator)
Title : EPA Method 8260C/D
Last Update : Thu Nov 30 12:10:48 2023
Response via : Initial Calibration



Data File : D:\DATA\NOV2023C\NOV30\30NOV63.D
 Acq On : 1 Dec 2023 7:07 am
 Sample : 2317726-CCB3
 Misc : 1 ;3I27027;25ML

Vial: 63
 Operator: MGC
 Inst : MS-V5
 Multiplr: 1.00

MS Integration Params: rteint.p

Quant Time: Dec 1 11:49 2023

Quant Results File: 82605CX.RES

Quant Method : C:\HPCHEM\1...\82605CX.M (RTE Integrator)

Title : EPA Method 8260C/DX
 Last Update : Fri Dec 01 08:39:53 2023
 Response via : Initial Calibration
 DataAcq Meth : 82605

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene IS#1	7.50	137	51955	10.00	ug/L	0.00
29) 1,4-Difluorobenzene IS#2	8.19	63	102950	10.00	ug/L	0.00
36) Chlorobenzene d5 IS#3	10.31	119	122253	10.00	ug/L	0.00

Target Compounds

Qvalue

Data File : D:\DATA\NOV2023C\NOV30\30NOV63.D

Vial: 63

Acq On : 1 Dec 2023 7:07 am

Operator: MGC

Sample : 2317726-CCB3

Inst : MS-V5

Misc : 1 ;3I27027;25ML

Multiplr: 1.00

MS Integration Params: rteint.p

Quant Results File: 82605CX.RES

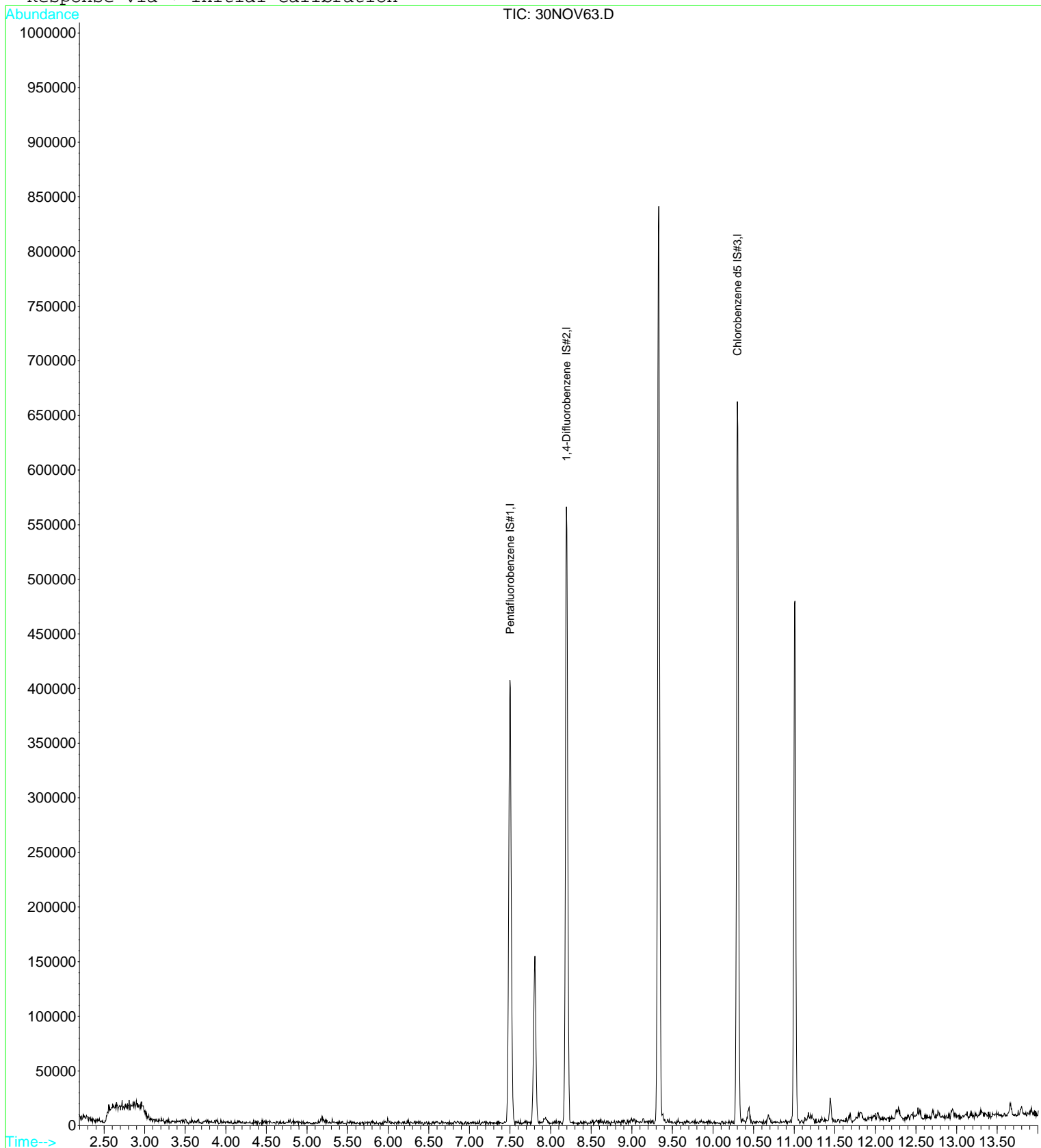
Quant Time: Dec 1 11:49 2023

Method : C:\HPCHEM\1\METHODS\C\202311\26-1336\82605CX.M (RTE Integrator)

Title : EPA Method 8260C/DX

Last Update : Fri Dec 01 08:39:53 2023

Response via : Initial Calibration



Data File : D:\DATA\NOV2023C\NOV30\30NOV77.D
 Acq On : 1 Dec 2023 12:47 pm
 Sample : 2317726-CCB4
 Misc : 1 ;3I27027;25ML
 MS Integration Params: rteint.p
 Quant Time: Dec 1 13:33 2023

Vial: 7
 Operator: MGC
 Inst : MS-V5
 Multiplr: 1.00

Quant Results File: 82605C.RES

Quant Method : C:\HPCHEM\1...\82605C.M (RTE Integrator)
 Title : EPA Method 8260C/D
 Last Update : Thu Nov 30 12:10:48 2023
 Response via : Initial Calibration
 DataAcq Meth : 82605

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene IS#1	7.50	137	51959	10.00	ug/L	0.00
26) 1,4-Difluorobenzene IS#2	8.19	63	106006	10.00	ug/L	0.00
41) Chlorobenzene d5 IS#3	10.30	119	119146	10.00	ug/L	0.00

System Monitoring Compounds

23) 1,2-dichloroethane d4 SMC	7.80	65	106999	10.44	ug/L	0.00
Spiked Amount	10.000	Range	75 - 125	Recovery	=	104.40%
33) Toluene d8 SMC#2	9.33	98	523817	9.62	ug/L	0.00
Spiked Amount	10.000	Range	80 - 120	Recovery	=	96.20%
51) Bromofluorobenzene SMC#3	11.00	95	171889	10.02	ug/L	0.00
Spiked Amount	10.000	Range	80 - 120	Recovery	=	100.20%

Target Compounds

Qvalue

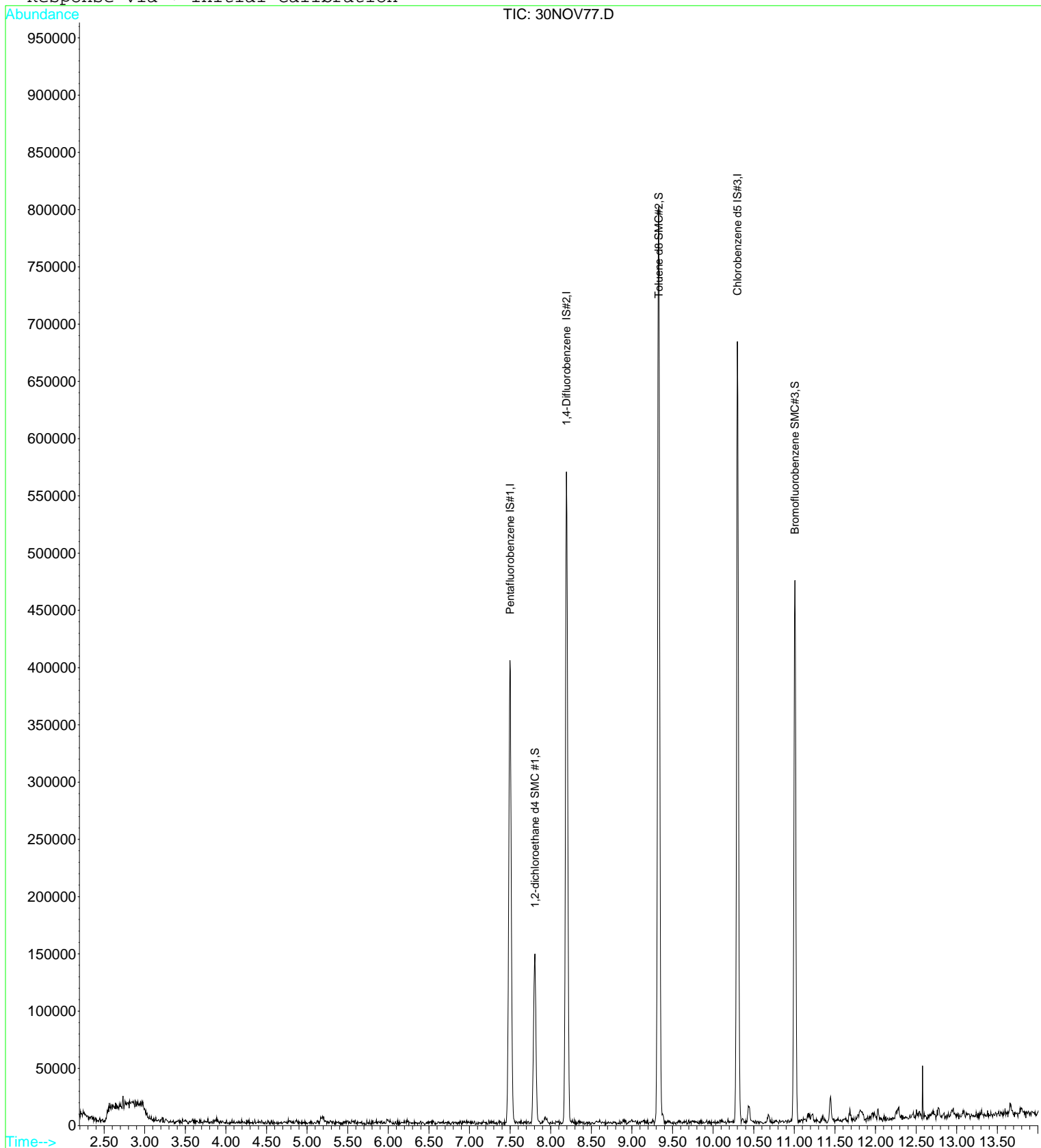
Quantitation Report

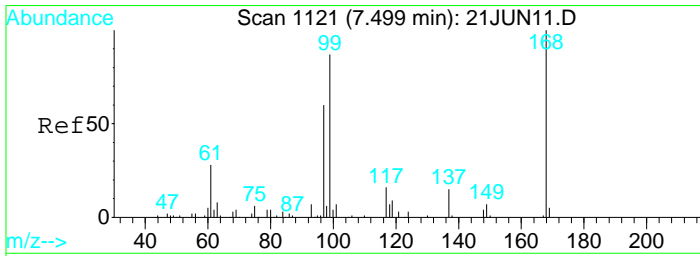
Data File : D:\DATA\NOV2023C\NOV30\30NOV77.D
Acq On : 1 Dec 2023 12:47 pm
Sample : 2317726-CCB4
Misc : 1 ;3I27027;25ML
MS Integration Params: rteint.p
Quant Time: Dec 1 13:33 2023

Vial: 7
Operator: MGC
Inst : MS-V5
Multiplr: 1.00

Quant Results File: 82605C.RES

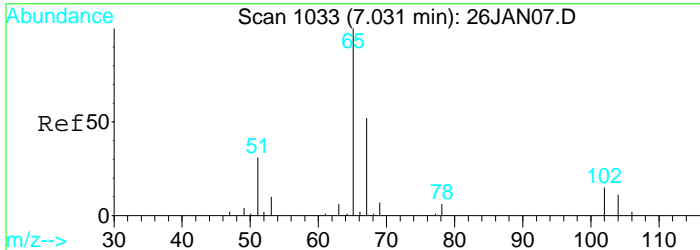
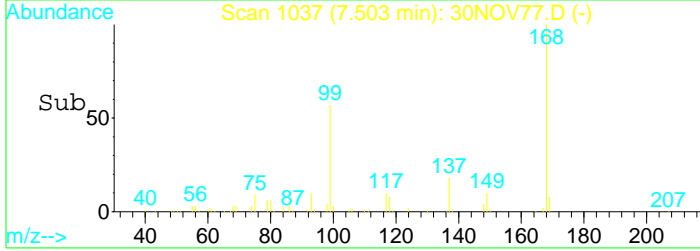
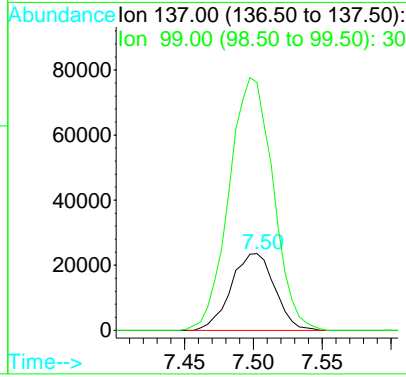
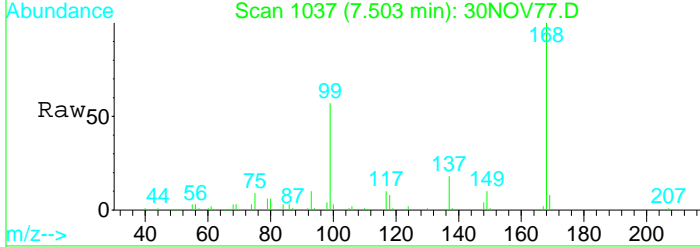
Method : C:\HPCHEM\1\METHODS\C\202311\26-0912\82605C.M (RTE Integrator)
Title : EPA Method 8260C/D
Last Update : Thu Nov 30 12:10:48 2023
Response via : Initial Calibration





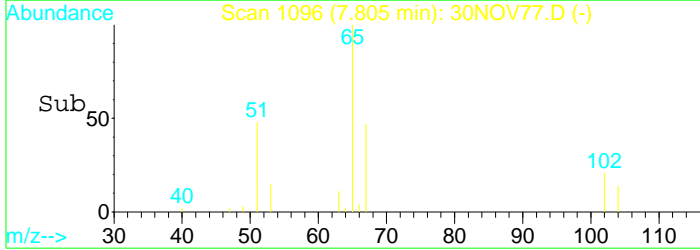
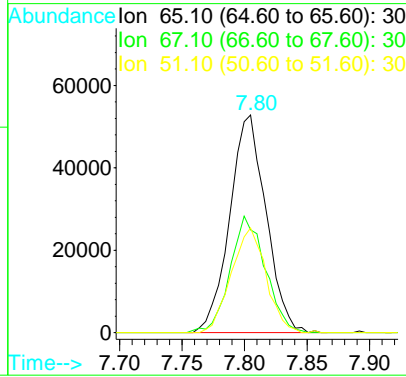
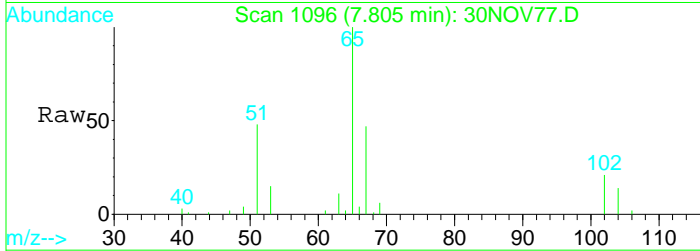
#1
 Pentafluorobenzene IS#1
 Concen: 10.00 ug/L
 RT: 7.50 min Scan# 1037
 Delta R.T. 0.00 min
 Lab File: 30NOV77.D
 Acq: 1 Dec 2023 12:47 pm

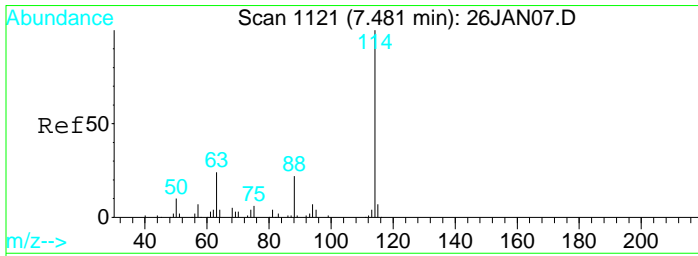
Tgt Ion	Resp	Lower	Upper
137	100		
99	332.9	475.5	883.1#



#23
 1,2-dichloroethane d4 SMC #1
 Concen: N.D. ug/L
 RT: 7.80 min Scan# 1096
 Delta R.T. 0.00 min
 Lab File: 30NOV77.D
 Acq: 1 Dec 2023 12:47 pm

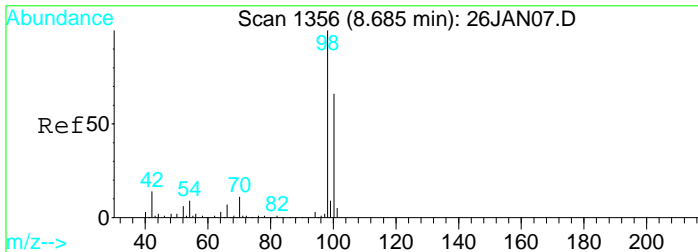
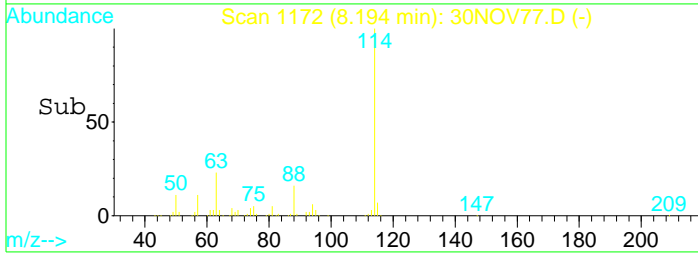
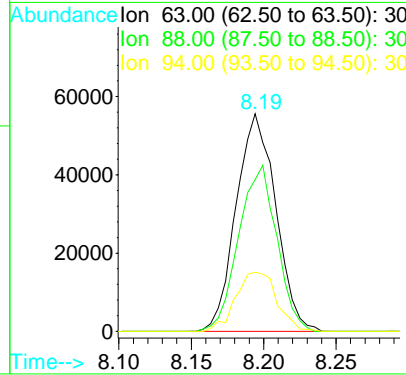
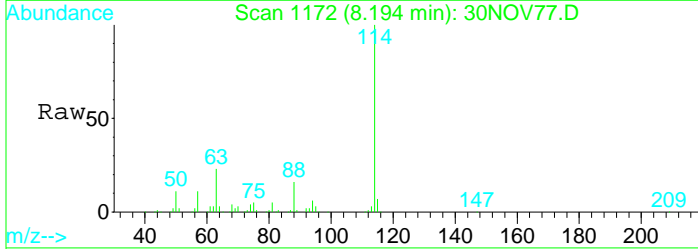
Tgt Ion	Resp	Lower	Upper
65	100		
67	51.8	35.2	65.4
51	46.0	119.7	222.3#





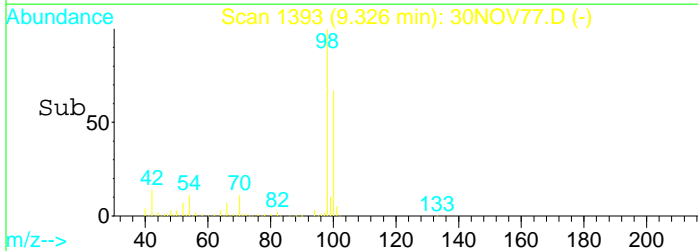
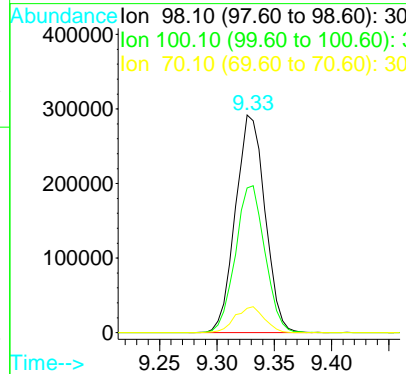
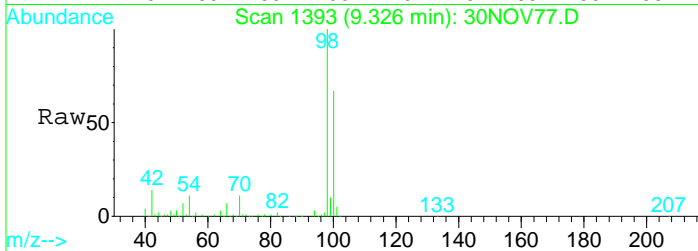
#26
 1,4-Difluorobenzene IS#2
 Concen: 10.00 ug/L
 RT: 8.19 min Scan# 1172
 Delta R.T. -0.00 min
 Lab File: 30NOV77.D
 Acq: 1 Dec 2023 12:47 pm

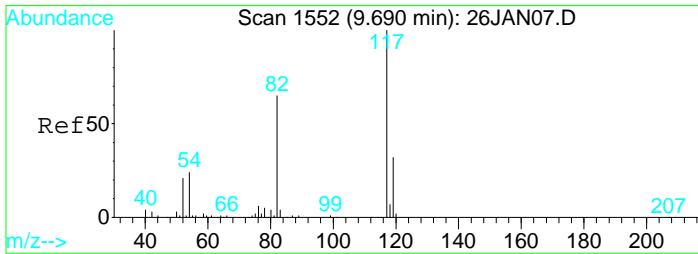
Tgt Ion	Resp	Lower	Upper
63	106006		
88	73.1	54.5	101.1
94	28.2	19.7	36.7



#33
 Toluene d8 SMC#2
 Concen: N.D. ug/L
 RT: 9.33 min Scan# 1393
 Delta R.T. -0.00 min
 Lab File: 30NOV77.D
 Acq: 1 Dec 2023 12:47 pm

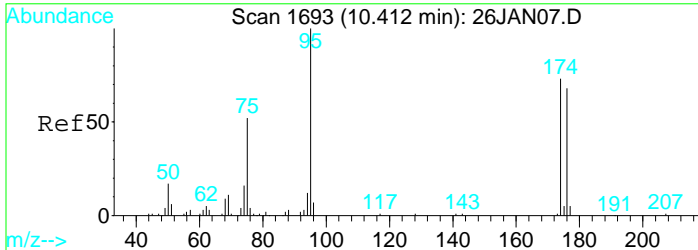
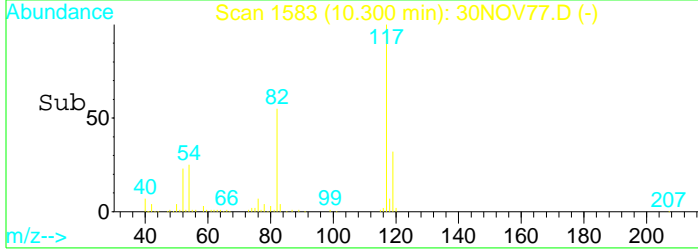
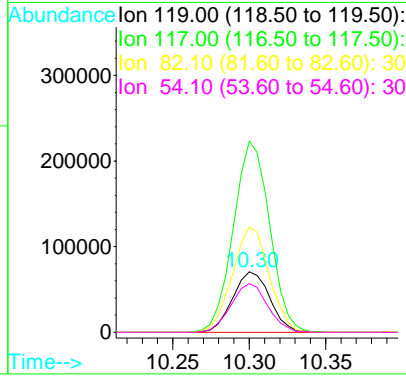
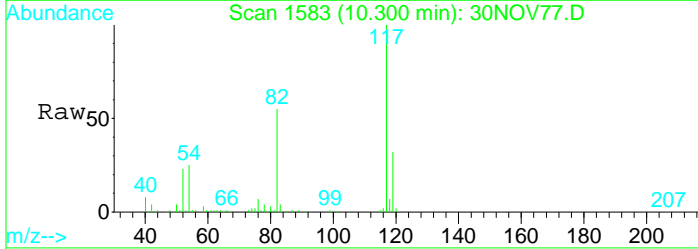
Tgt Ion	Resp	Lower	Upper
98	523817		
100	67.3	47.5	88.1
70	11.8	8.1	15.1





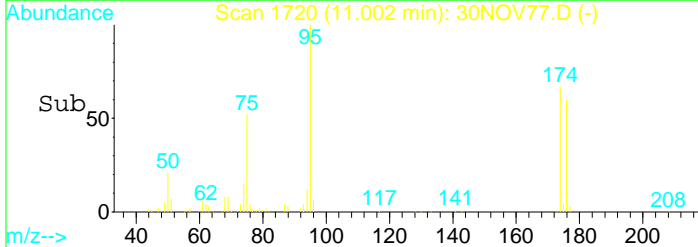
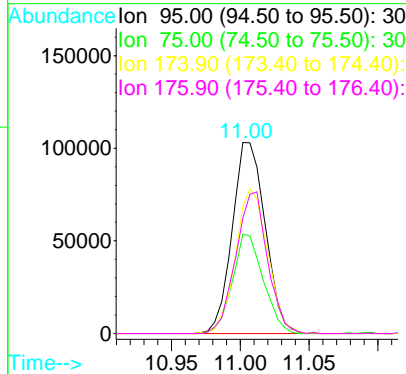
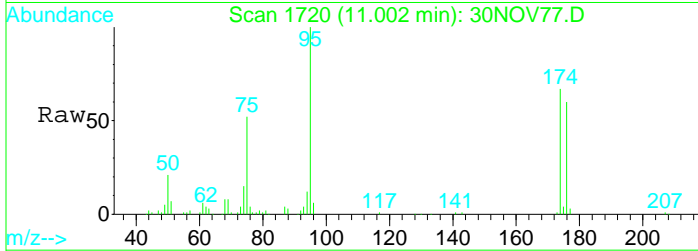
#41
 Chlorobenzene d5 IS#3
 Concen: 10.00 ug/L
 RT: 10.30 min Scan# 1583
 Delta R.T. -0.00 min
 Lab File: 30NOV77.D
 Acq: 1 Dec 2023 12:47 pm

Tgt Ion	Resp	Lower	Upper
119	119146		
117	308.9	215.3	399.8
82	172.2	121.5	225.7
54	79.5	52.1	96.9



#51
 Bromofluorobenzene SMC#3
 Concen: N.D. ug/L
 RT: 11.00 min Scan# 1720
 Delta R.T. -0.00 min
 Lab File: 30NOV77.D
 Acq: 1 Dec 2023 12:47 pm

Tgt Ion	Resp	Lower	Upper
95	171889		
75	48.6	32.5	60.3
174	73.5	50.4	93.6
176	71.1	49.4	91.8



Data File : D:\DATA\NOV2023C\NOV30\30NOV77.D
 Acq On : 1 Dec 2023 12:47 pm
 Sample : 2317726-CCB4
 Misc : 1 ;3I27027;25ML

Vial: 7
 Operator: MGC
 Inst : MS-V5
 Multiplr: 1.00

MS Integration Params: rteint.p
 Quant Time: Dec 1 13:19 2023

Quant Results File: 82605CX.RES

Quant Method : C:\HPCHEM\1...\82605CX.M (RTE Integrator)
 Title : EPA Method 8260C/DX
 Last Update : Fri Dec 01 08:39:53 2023
 Response via : Initial Calibration
 DataAcq Meth : 82605

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene IS#1	7.50	137	51959	10.00	ug/L	0.00
29) 1,4-Difluorobenzene IS#2	8.19	63	106006	10.00	ug/L	0.00
36) Chlorobenzene d5 IS#3	10.30	119	119146	10.00	ug/L	0.00

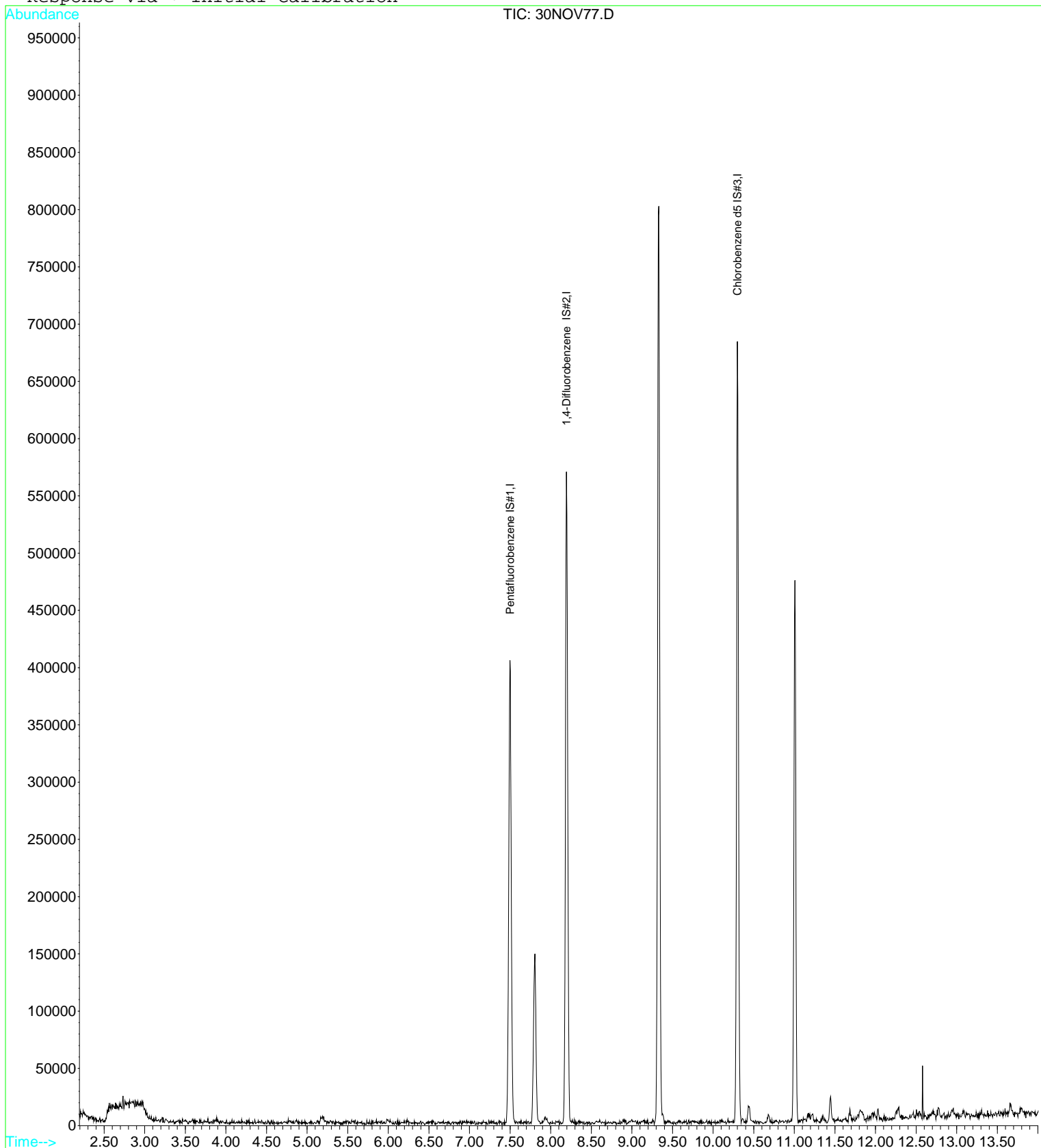
Target Compounds Qvalue

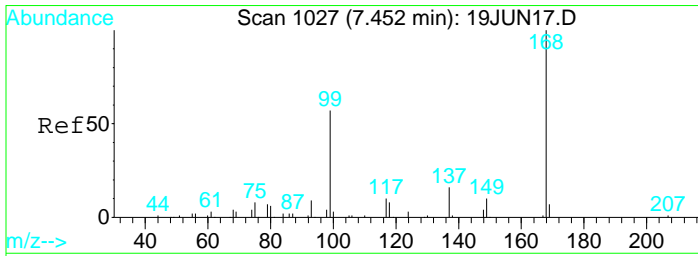
Data File : D:\DATA\NOV2023C\NOV30\30NOV77.D
Acq On : 1 Dec 2023 12:47 pm
Sample : 2317726-CCB4
Misc : 1 ;3I27027;25ML
MS Integration Params: rteint.p
Quant Time: Dec 1 13:19 2023

Vial: 7
Operator: MGC
Inst : MS-V5
Multiplr: 1.00

Quant Results File: 82605CX.RES

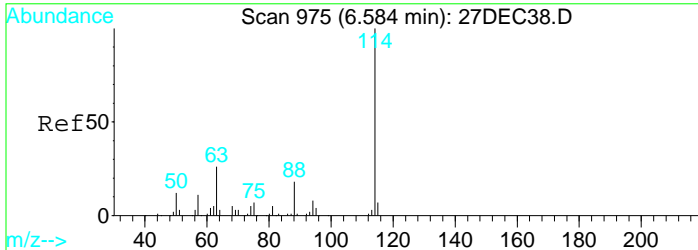
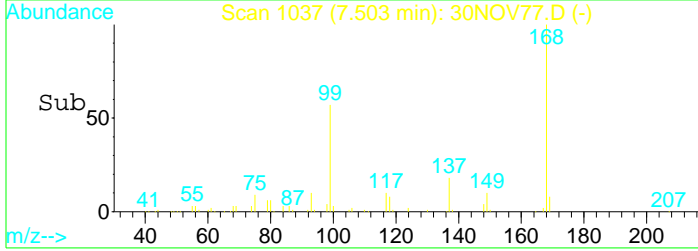
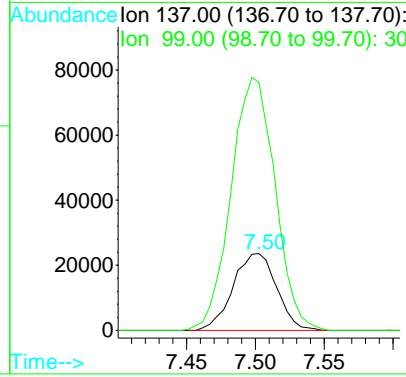
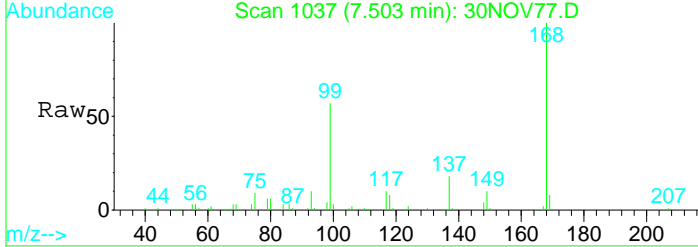
Method : C:\HPCHEM\1\METHODS\C\202311\26-1336\82605CX.M (RTE Integrator)
Title : EPA Method 8260C/DX
Last Update : Fri Dec 01 08:39:53 2023
Response via : Initial Calibration





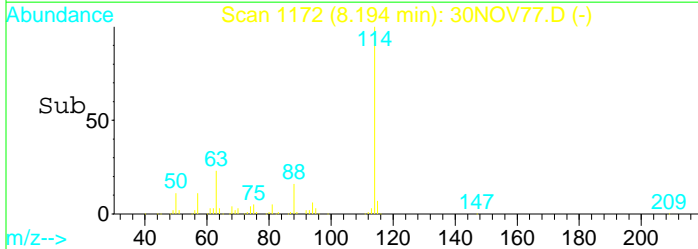
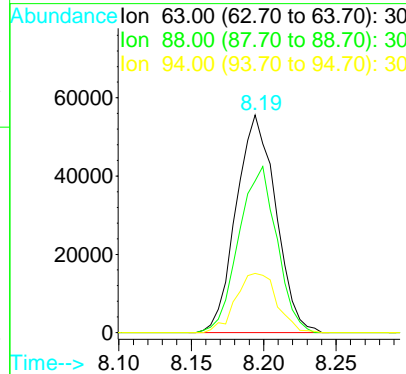
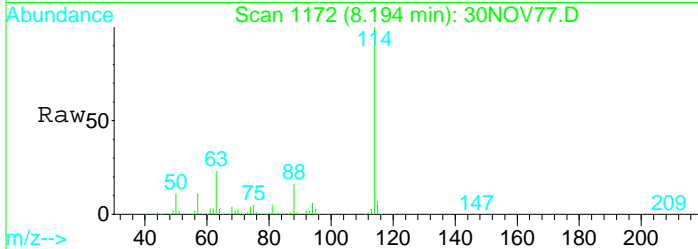
#1
 Pentafluorobenzene IS#1
 Concen: 10.00 ug/L
 RT: 7.50 min Scan# 1037
 Delta R.T. 0.01 min
 Lab File: 30NOV77.D
 Acq: 1 Dec 2023 12:47 pm

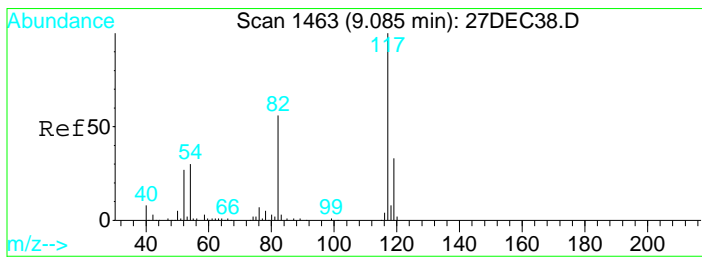
Tgt Ion	Resp	Lower	Upper
137	100		
99	332.9	235.9	438.1



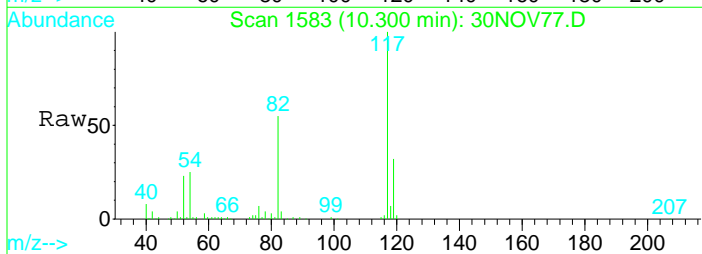
#29
 1,4-Difluorobenzene IS#2
 Concen: 10.00 ug/L
 RT: 8.19 min Scan# 1172
 Delta R.T. -0.00 min
 Lab File: 30NOV77.D
 Acq: 1 Dec 2023 12:47 pm

Tgt Ion	Resp	Lower	Upper
63	100		
88	73.1	51.3	95.3
94	28.2	19.7	36.5



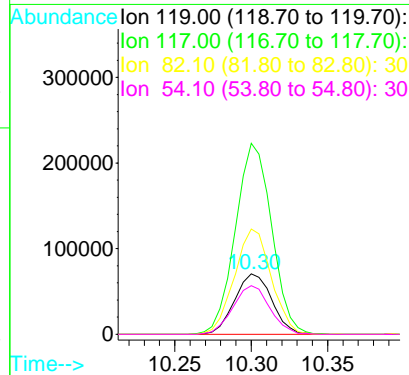
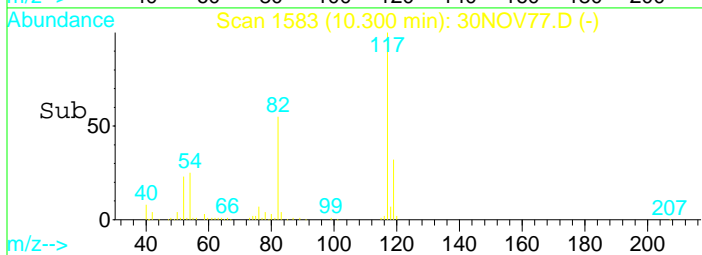


#36
 Chlorobenzene d5 IS#3
 Concen: 10.00 ug/L
 RT: 10.30 min Scan# 1583
 Delta R.T. -0.00 min
 Lab File: 30NOV77.D
 Acq: 1 Dec 2023 12:47 pm



Tgt Ion:119 Resp: 119146

Ion	Ratio	Lower	Upper
119	100		
117	308.9	215.3	399.9
82	172.2	119.8	222.4
54	79.5	50.5	93.9



Data File : D:\DATA\NOV2023C\NOV30\30NOV77.D
 Acq On : 1 Dec 2023 12:47 pm
 Sample : 2317726-CCB4
 Misc : 1 ;3I27027;25ML
 MS Integration Params: rteint.p
 Quant Time: Dec 1 13:21 2023

Vial: 7
 Operator: MGC
 Inst : MS-V5
 Multiplr: 1.00

Quant Results File: TPPH5C.RES

Quant Method : C:\HPCHEM\1...\TPPH5C.M (RTE Integrator)
 Title : EPA Method TPPH Gasoline C/D
 Last Update : Fri Dec 01 09:44:10 2023
 Response via : Initial Calibration
 DataAcq Meth : 82605

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene IS#1	7.50	137	51959	10.00	ug/L	0.00

System Monitoring Compounds

2) PENTAFLUOROBENZENE S 1	7.50	TIC	899927m	5.33	ug/L	0.00
3) 1,2-DICHLOROETHANE d4 S 2	7.80	TIC	328787m	2.79	ug/L	0.00
4) 1,4-DIFLUOROBENZENE S 3	8.19	TIC	1106981m	4.63	ug/L	0.00
5) TOLUENE d8 S 4	9.33	TIC	1492165m	8.23	ug/L	0.00
6) CHLOROBENZENE d5 S 5	10.30	TIC	1166262m	8.70	ug/L	-0.01
7) BROMOFLUOROBENZENE S 6	11.01	TIC	811615m	9.13	ug/L	-0.02

Target Compounds

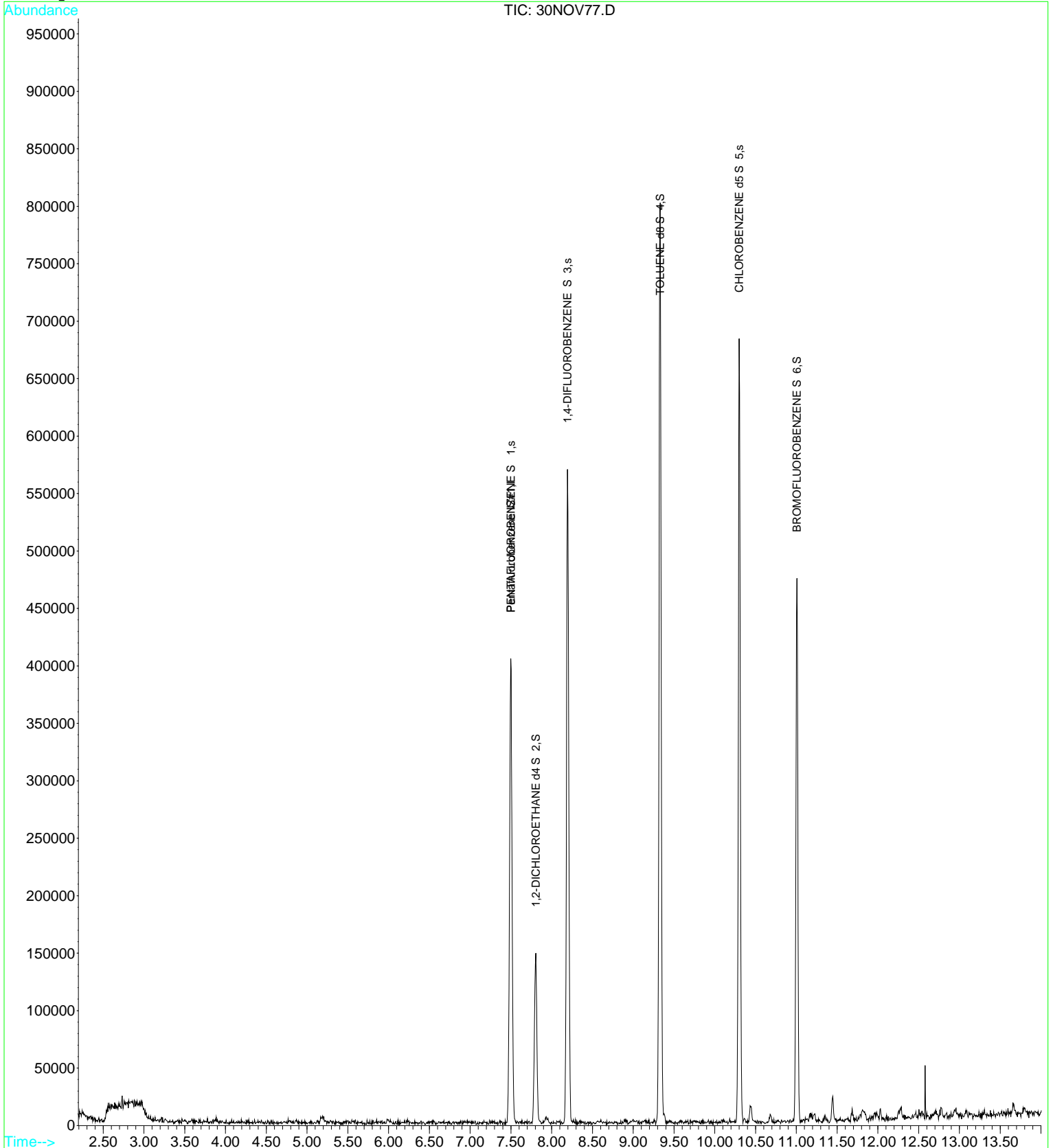
Qvalue

Data File : D:\DATA\NOV2023C\NOV30\30NOV77.D
Acq On : 1 Dec 2023 12:47 pm
Sample : 2317726-CCB4
Misc : 1 ;3I27027;25ML
MS Integration Params: rteint.p
Quant Time: Dec 1 13:21 2023

Vial: 7
Operator: MGC
Inst : MS-V5
Multiplr: 1.00

Quant Results File: TPPH5C.RES

Method : C:\HPCHEM\1\METHODS\C\202311\26-1800\TPPH5C.M (RTE Integrator)
Title : EPA Method TPPH Gasoline C/D
Last Update : Fri Dec 01 09:44:10 2023
Response via : Initial Calibration



Raw Data - Tune

Data File : D:\DATA\NOV2023C\NOV26\26NOV05.D
 Acq On : 26 Nov 2023 6:44 am
 Sample : 2317504-TUN1
 Misc : 1 ;3I28003;50NG
 MS Integration Params: rteint.p
 Quant Time: Nov 30 11:45 2023

Vial: 5
 Operator: MGC
 Inst : MS-V5
 Multiplr: 1.00

Quant Results File: 82605C.RES

Quant Method : C:\HPCHEM\1...\82605C.M (RTE Integrator)
 Title : EPA Method 8260C/D
 Last Update : Sun Oct 29 10:40:39 2023
 Response via : Initial Calibration
 DataAcq Meth : 82605

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene IS#1	7.50	137	11233	10.00	ug/L	0.00
26) 1,4-Difluorobenzene IS#2	8.19	63	23889	10.00	ug/L	0.00
41) Chlorobenzene d5 IS#3	10.30	119	28822	10.00	ug/L	0.00

System Monitoring Compounds

23) 1,2-dichloroethane d4 SMC	7.80	65	23361	13.13	ug/L	0.00
Spiked Amount	10.000	Range	75 - 125	Recovery	=	131.30%#
33) Toluene d8 SMC#2	9.33	98	124488	9.04	ug/L	0.00
Spiked Amount	10.000	Range	80 - 120	Recovery	=	90.40%
51) Bromofluorobenzene SMC#3	11.01	95	43017	11.60	ug/L	0.00
Spiked Amount	10.000	Range	80 - 120	Recovery	=	116.00%

Target Compounds

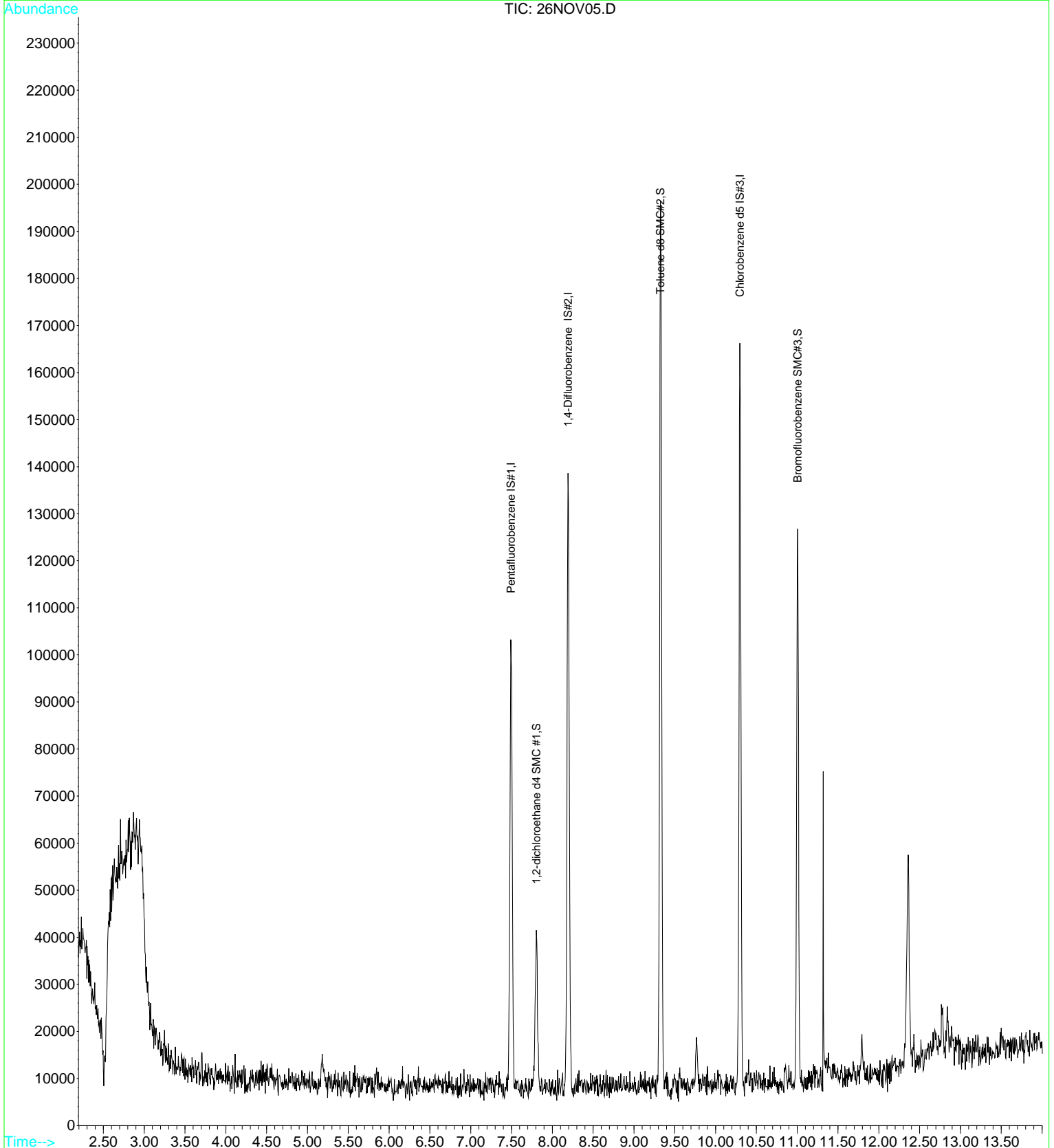
Qvalue

Data File : D:\DATA\NOV2023C\NOV26\26NOV05.D
Acq On : 26 Nov 2023 6:44 am
Sample : 2317504-TUN1
Misc : 1 ;3I28003;50NG
MS Integration Params: rteint.p
Quant Time: Nov 30 11:45 2023

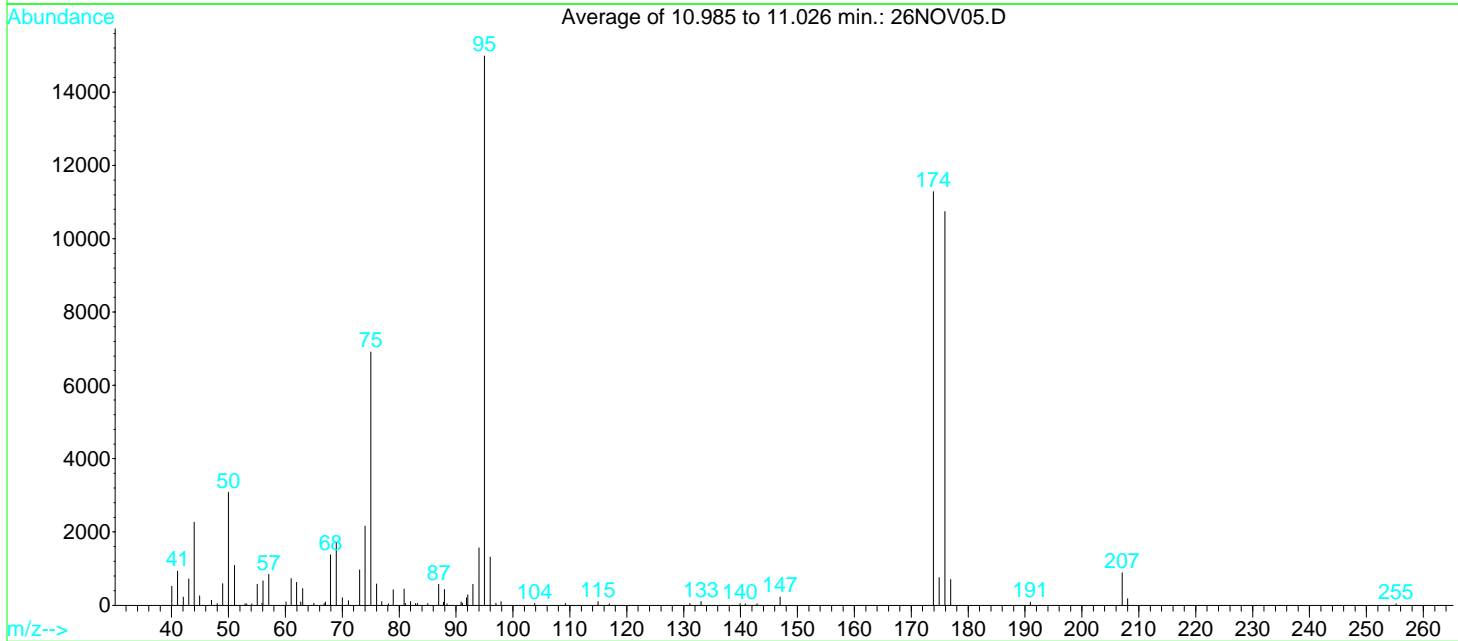
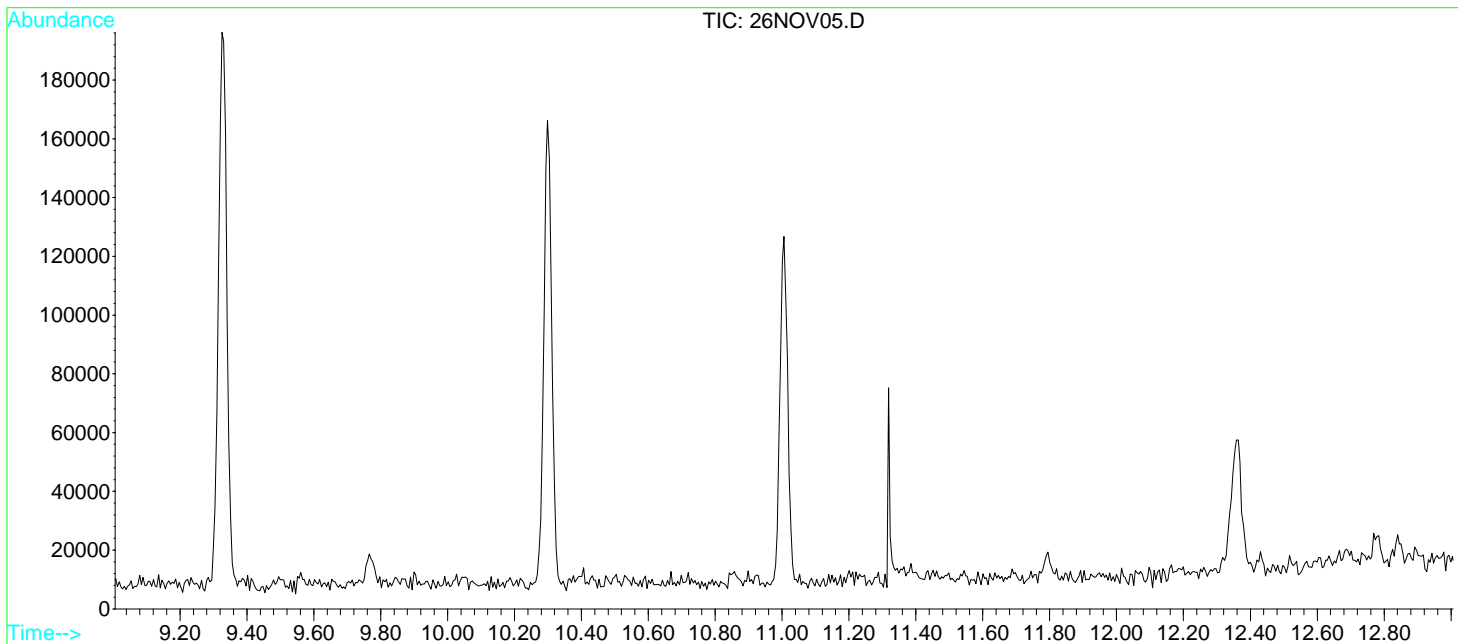
Vial: 5
Operator: MGC
Inst : MS-V5
Multiplr: 1.00

Quant Results File: 82605C.RES

Method : C:\HPCHEM\1\METHODS\C\202311\26-0912\82605C.M (RTE Integrator)
Title : EPA Method 8260C/D
Last Update : Sun Oct 29 10:40:39 2023
Response via : Initial Calibration



Data File : D:\DATA\NOV2023C\NOV26\26NOV05.D Vial: 5
 Acq On : 26 Nov 2023 6:44 am Operator: MGC
 Sample : 2317504-TUN1 Inst : MS-V5
 Misc : 1 ;3I28003;50NG Multiplr: 1.00
 MS Integration Params: rteint.p
 Method : C:\HPCHEM\1\METHODS\C\202311\26-0912\82605C.M (RTE Integrator)
 Title : EPA Method 8260C/D



Spectrum Information: Average of 10.985 to 11.026 min.

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	20.5	3075	PASS
75	95	30	60	46.1	6914	PASS
95	95	100	100	100.0	14982	PASS
96	95	5	9	8.7	1310	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	100	75.3	11282	PASS
175	174	5	9	6.7	753	PASS
176	174	95	101	95.2	10741	PASS
177	176	5	9	6.6	707	PASS

Data File : D:\DATA\NOV2023C\NOV26\26NOV30.D

Vial: 30

Acq On : 26 Nov 2023 4:47 pm

Operator: MGC

Sample : 2317504-TUN2

Inst : MS-V5

Misc : 1 ;3I28003;50NG

Multiplr: 1.00

MS Integration Params: rteint.p

Quant Time: Dec 1 9:36 2023

Quant Results File: 82605C.RES

Quant Method : C:\HPCHEM\1...\82605C.M (RTE Integrator)

Title : EPA Method 8260C/D

Last Update : Thu Nov 30 12:10:48 2023

Response via : Initial Calibration

DataAcq Meth : 82605

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene IS#1	7.49	137	9857	10.00	ug/L	0.00
26) 1,4-Difluorobenzene IS#2	8.19	63	21693	10.00	ug/L	0.00
41) Chlorobenzene d5 IS#3	10.30	119	26245	10.00	ug/L	0.00

System Monitoring Compounds

23) 1,2-dichloroethane d4 SMC	7.80	65	25393	13.07	ug/L	0.00
Spiked Amount	10.000	Range	75 - 125	Recovery	=	130.70%#
33) Toluene d8 SMC#2	9.33	98	114470	10.27	ug/L	0.00
Spiked Amount	10.000	Range	80 - 120	Recovery	=	102.70%
51) Bromofluorobenzene SMC#3	11.00	95	39944	10.57	ug/L	0.00
Spiked Amount	10.000	Range	80 - 120	Recovery	=	105.70%

Target Compounds

Qvalue

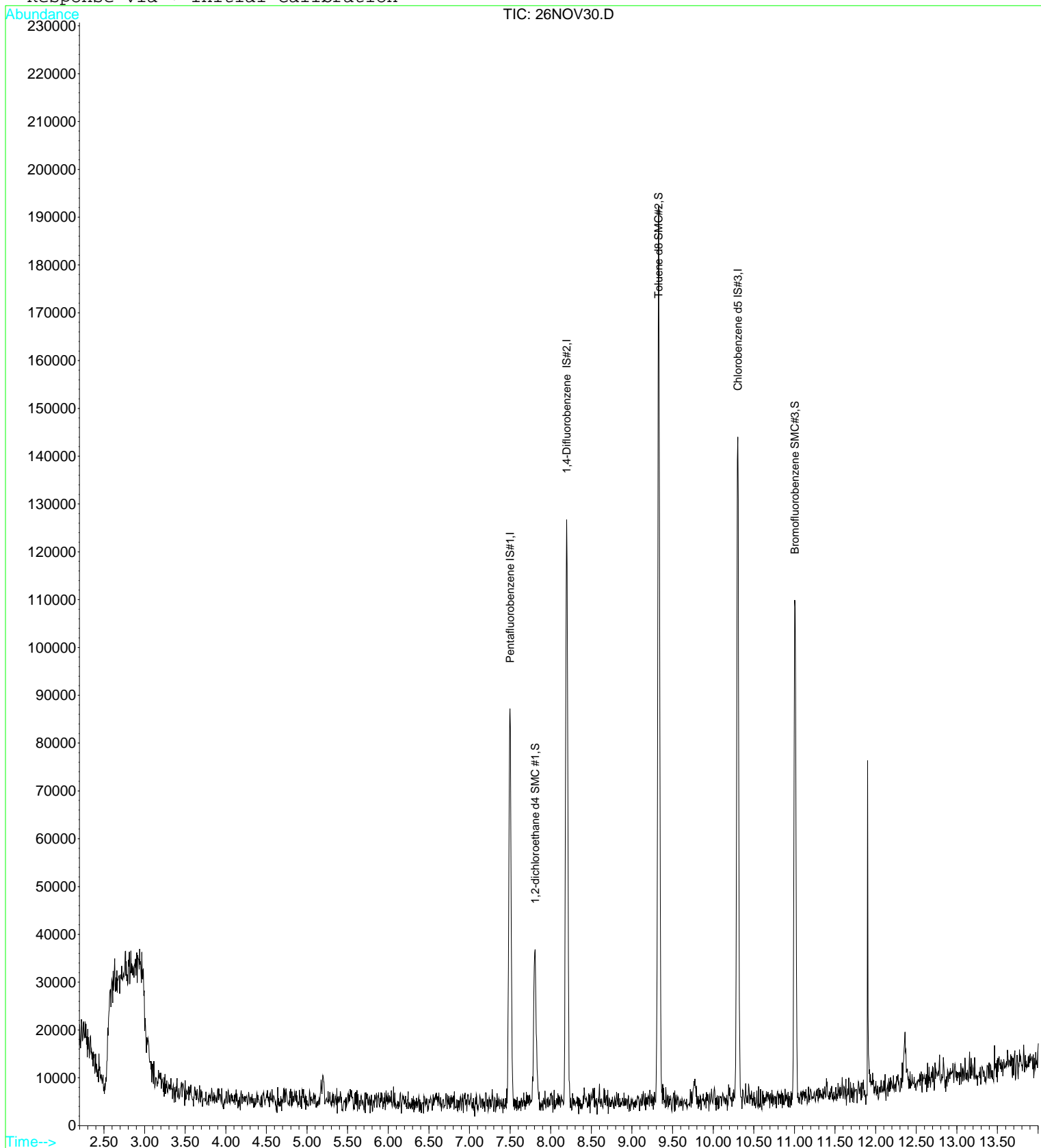
Quantitation Report

Data File : D:\DATA\NOV2023C\NOV26\26NOV30.D
Acq On : 26 Nov 2023 4:47 pm
Sample : 2317504-TUN2
Misc : 1 ;3I28003;50NG
MS Integration Params: rteint.p
Quant Time: Dec 1 9:36 2023

Vial: 30
Operator: MGC
Inst : MS-V5
Multiplr: 1.00

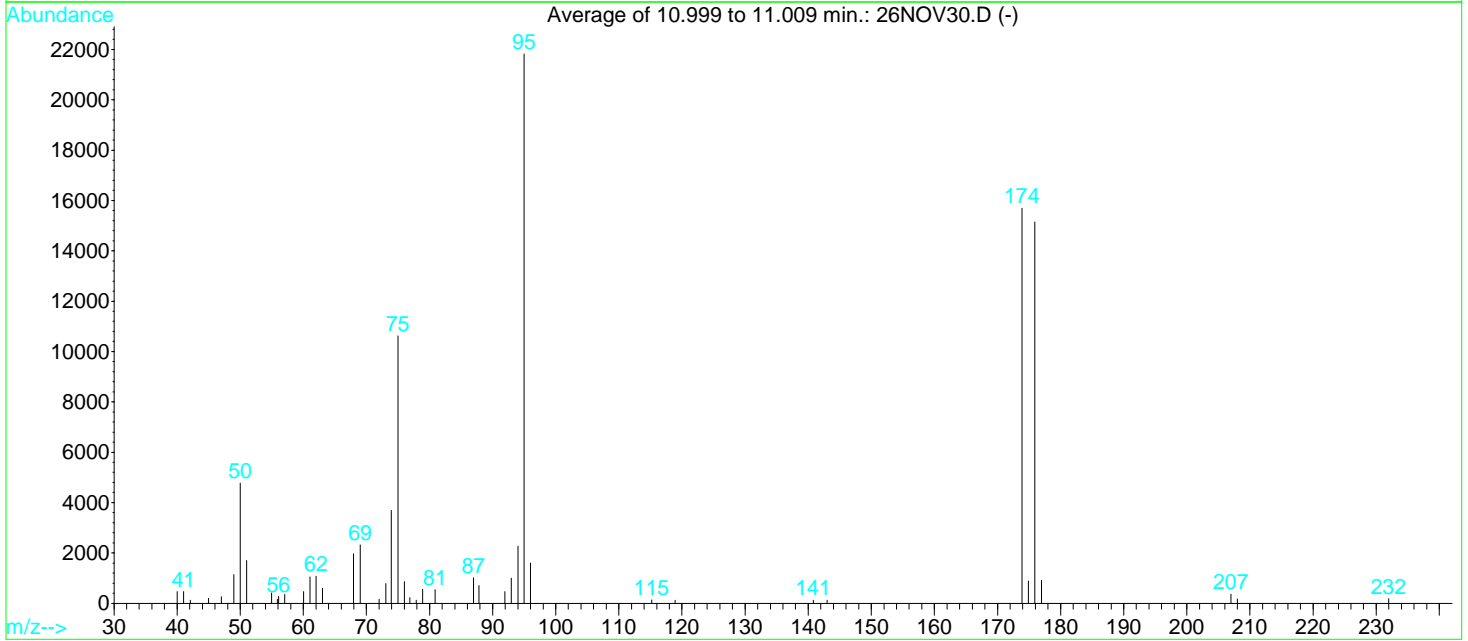
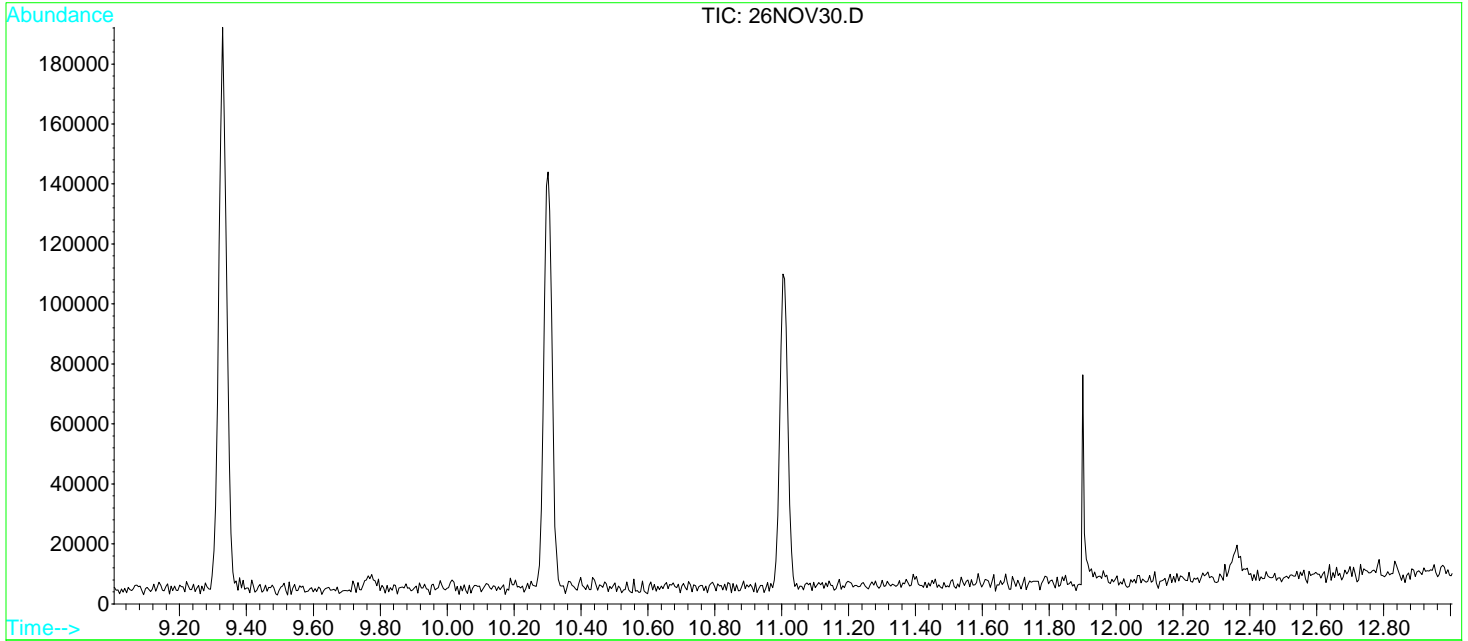
Quant Results File: 82605C.RES

Method : C:\HPCHEM\1\METHODS\C\202311\26-0912\82605C.M (RTE Integrator)
Title : EPA Method 8260C/D
Last Update : Thu Nov 30 12:10:48 2023
Response via : Initial Calibration



Data File : D:\DATA\NOV2023C\NOV26\26NOV30.D
 Acq On : 26 Nov 2023 4:47 pm
 Sample : 2317504-TUN2
 Misc : 1 ; 3I28003; 50NG
 MS Integration Params: rteint.p
 Method : C:\HPCHEM\1\METHODS\C\202311\26-0912\82605C.M (RTE Integrator)
 Title : EPA Method 8260C/D

Vial: 30
 Operator: MGC
 Inst : MS-V5
 Multiplr: 1.00



Spectrum Information: Average of 10.999 to 11.009 min.

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	21.9	4772	PASS
75	95	30	60	48.7	10616	PASS
95	95	100	100	100.0	21816	PASS
96	95	5	9	7.3	1593	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	100	71.9	15693	PASS
175	174	5	9	5.7	889	PASS
176	174	95	101	96.5	15151	PASS
177	176	5	9	6.0	914	PASS

Data File : D:\DATA\NOV2023C\NOV30\30NOV30.D
 Acq On : 30 Nov 2023 5:54 pm
 Sample : 2317726-TUN2
 Misc : 1 ;3I28003;50NG

Vial: 30
 Operator: MGC
 Inst : MS-V5
 Multiplr: 1.00

MS Integration Params: rteint.p
 Quant Time: Dec 1 11:26 2023

Quant Results File: 82605C.RES

Quant Method : C:\HPCHEM\1...\82605C.M (RTE Integrator)
 Title : EPA Method 8260C/D
 Last Update : Thu Nov 30 12:10:48 2023
 Response via : Initial Calibration
 DataAcq Meth : 82605

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene IS#1	7.51	137	10150	10.00	ug/L	0.00
26) 1,4-Difluorobenzene IS#2	8.20	63	23253	10.00	ug/L	0.00
41) Chlorobenzene d5 IS#3	10.30	119	28131	10.00	ug/L	0.00

System Monitoring Compounds

23) 1,2-dichloroethane d4 SMC	7.81	65	26520	13.25	ug/L	0.00
Spiked Amount	10.000	Range	75 - 125	Recovery	=	132.50%#
33) Toluene d8 SMC#2	9.33	98	120828	10.11	ug/L	0.00
Spiked Amount	10.000	Range	80 - 120	Recovery	=	101.10%
51) Bromofluorobenzene SMC#3	11.01	95	42452	10.48	ug/L	0.00
Spiked Amount	10.000	Range	80 - 120	Recovery	=	104.80%

Target Compounds

Qvalue

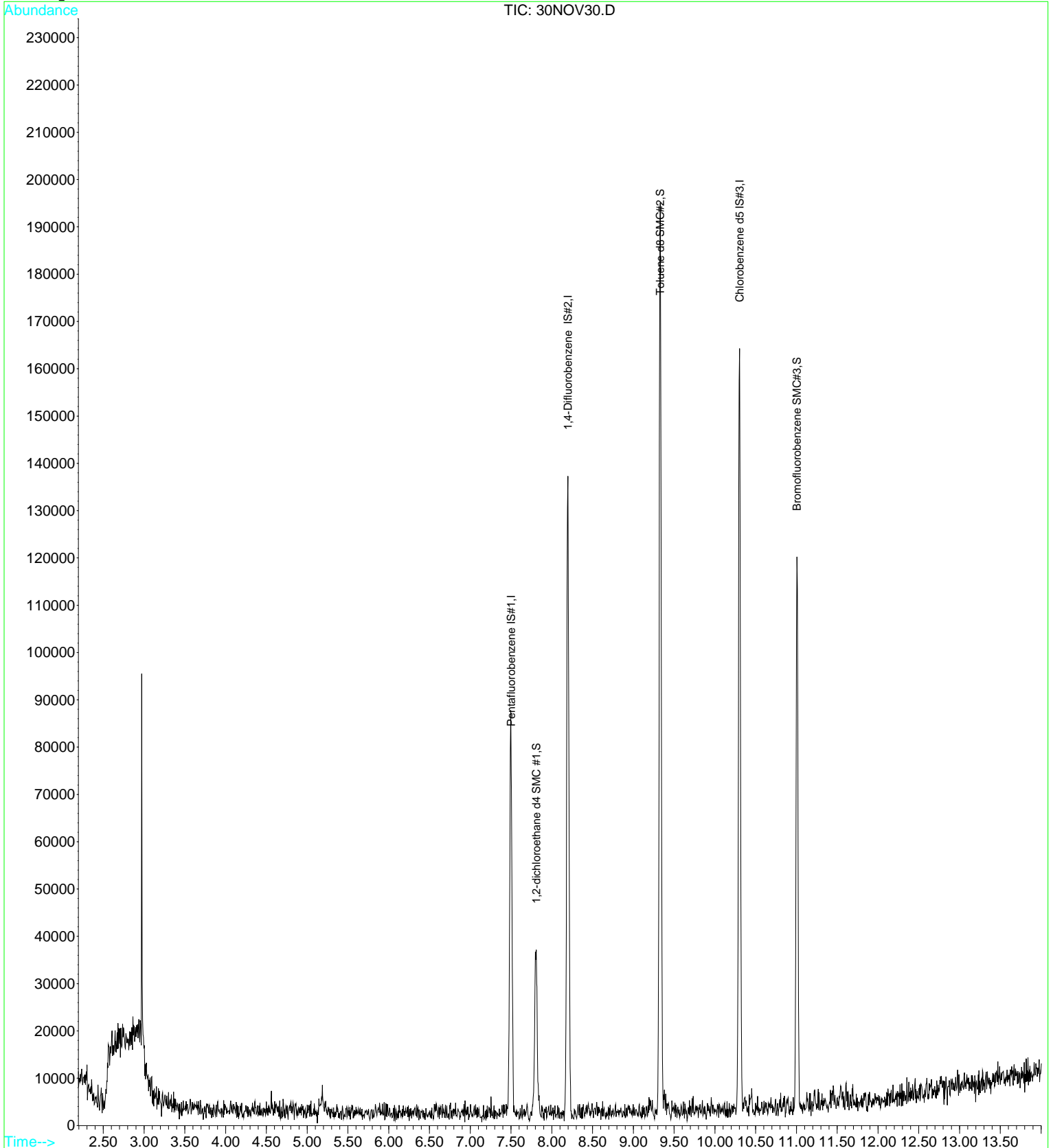
Quantitation Report

Data File : D:\DATA\NOV2023C\NOV30\30NOV30.D
Acq On : 30 Nov 2023 5:54 pm
Sample : 2317726-TUN2
Misc : 1 ;3I28003;50NG
MS Integration Params: rteint.p
Quant Time: Dec 1 11:26 2023

Vial: 30
Operator: MGC
Inst : MS-V5
Multiplr: 1.00

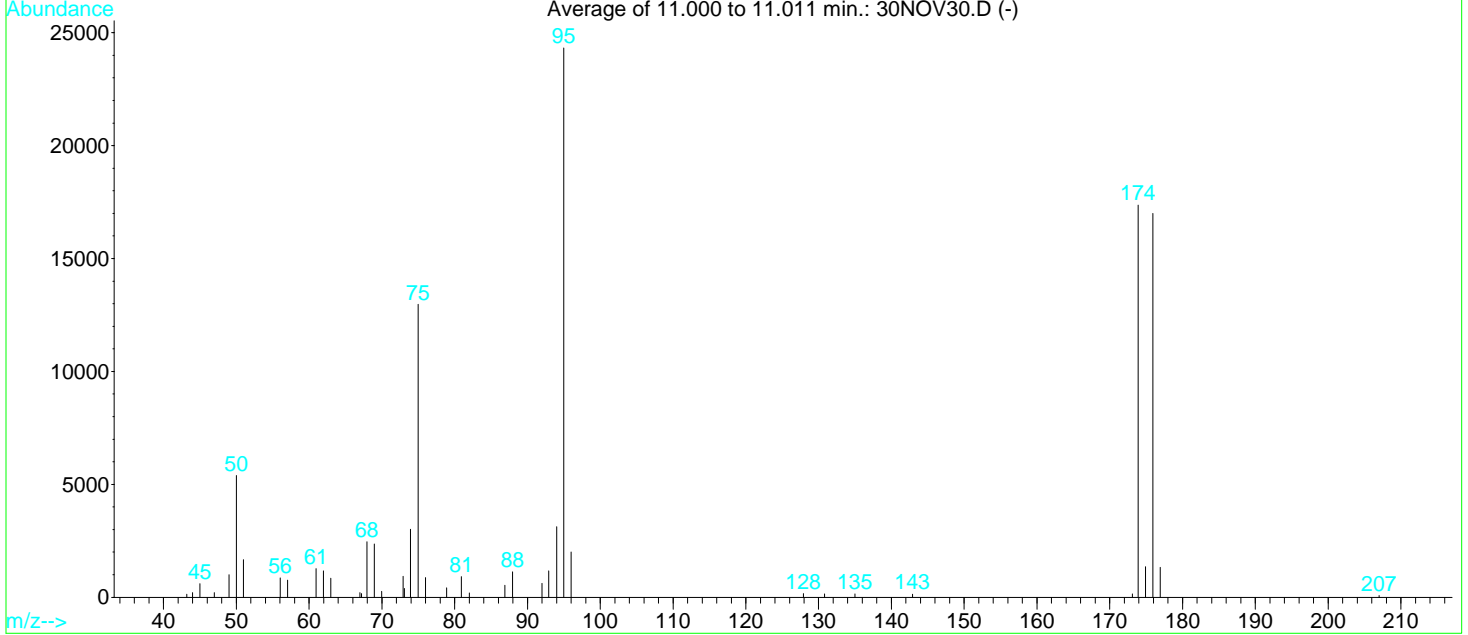
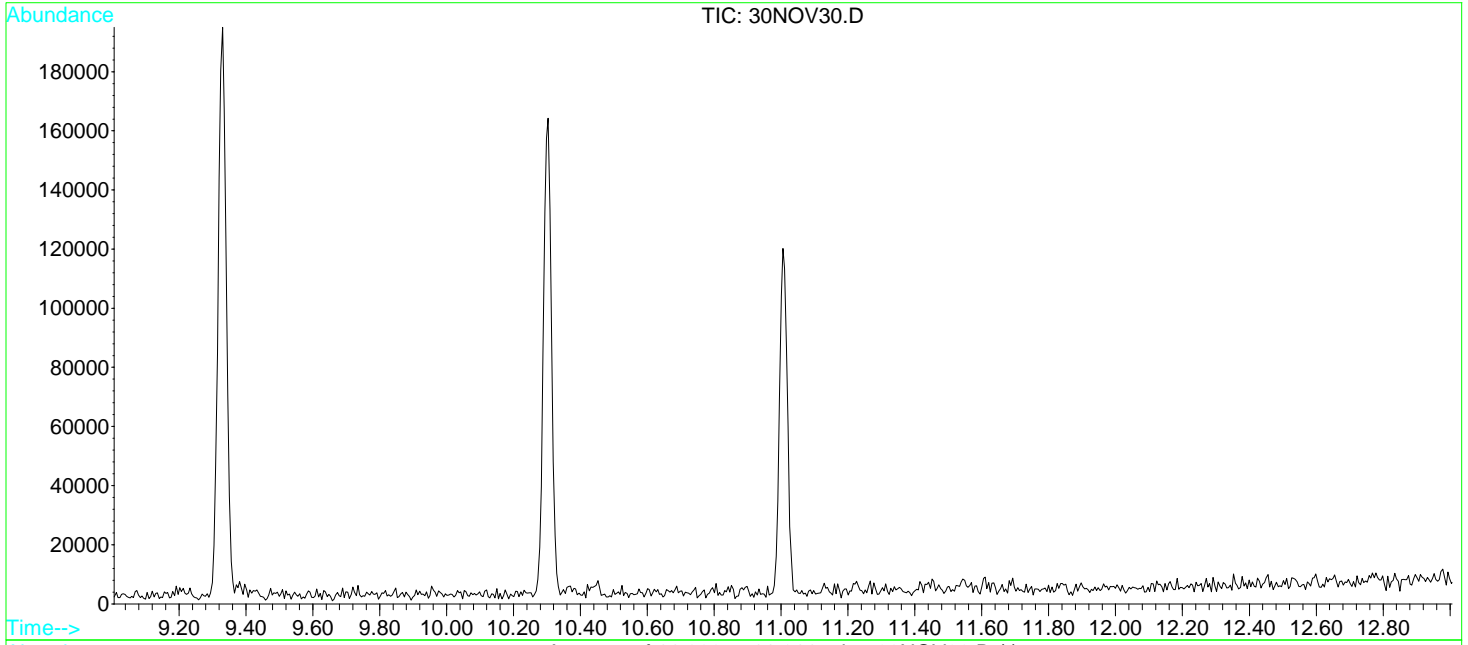
Quant Results File: 82605C.RES

Method : C:\HPCHEM\1\METHODS\C\202311\26-0912\82605C.M (RTE Integrator)
Title : EPA Method 8260C/D
Last Update : Thu Nov 30 12:10:48 2023
Response via : Initial Calibration



Data File : D:\DATA\NOV2023C\NOV30\30NOV30.D
 Acq On : 30 Nov 2023 5:54 pm
 Sample : 2317726-TUN2
 Misc : 1 ;3I28003;50NG
 MS Integration Params: rteint.p
 Method : C:\HPCHEM\1\METHODS\C\202311\26-0912\82605C.M (RTE Integrator)
 Title : EPA Method 8260C/D

Vial: 30
 Operator: MGC
 Inst : MS-V5
 Multiplr: 1.00



Spectrum Information: Average of 11.000 to 11.011 min.

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	22.2	5388	PASS
75	95	30	60	53.3	12969	PASS
95	95	100	100	100.0	24320	PASS
96	95	5	9	8.3	2012	PASS
173	174	0.00	2	0.8	147	PASS
174	95	50	100	71.4	17363	PASS
175	174	5	9	7.8	1350	PASS
176	174	95	101	97.9	16998	PASS
177	176	5	9	7.8	1329	PASS

Data File : D:\DATA\NOV2023C\NOV30\30NOV59.D
 Acq On : 1 Dec 2023 5:31 am
 Sample : 2317726-TUN3
 Misc : 1 ;3I28003;50NG
 MS Integration Params: rteint.p
 Quant Time: Dec 1 11:45 2023

Vial: 59
 Operator: MGC
 Inst : MS-V5
 Multiplr: 1.00

Quant Results File: 82605C.RES

Quant Method : C:\HPCHEM\1...\82605C.M (RTE Integrator)
 Title : EPA Method 8260C/D
 Last Update : Thu Nov 30 12:10:48 2023
 Response via : Initial Calibration
 DataAcq Meth : 82605

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene IS#1	7.50	137	11841	10.00	ug/L	0.00
26) 1,4-Difluorobenzene IS#2	8.19	63	29341	10.00	ug/L	-0.01
41) Chlorobenzene d5 IS#3	10.30	119	32210	10.00	ug/L	0.00

System Monitoring Compounds

23) 1,2-dichloroethane d4 SMC	7.80	65	30400	13.02	ug/L	0.00
Spiked Amount	10.000	Range	75 - 125	Recovery	=	130.20%#
33) Toluene d8 SMC#2	9.33	98	140507	9.32	ug/L	0.00
Spiked Amount	10.000	Range	80 - 120	Recovery	=	93.20%
51) Bromofluorobenzene SMC#3	11.01	95	49854	10.75	ug/L	0.00
Spiked Amount	10.000	Range	80 - 120	Recovery	=	107.50%

Target Compounds

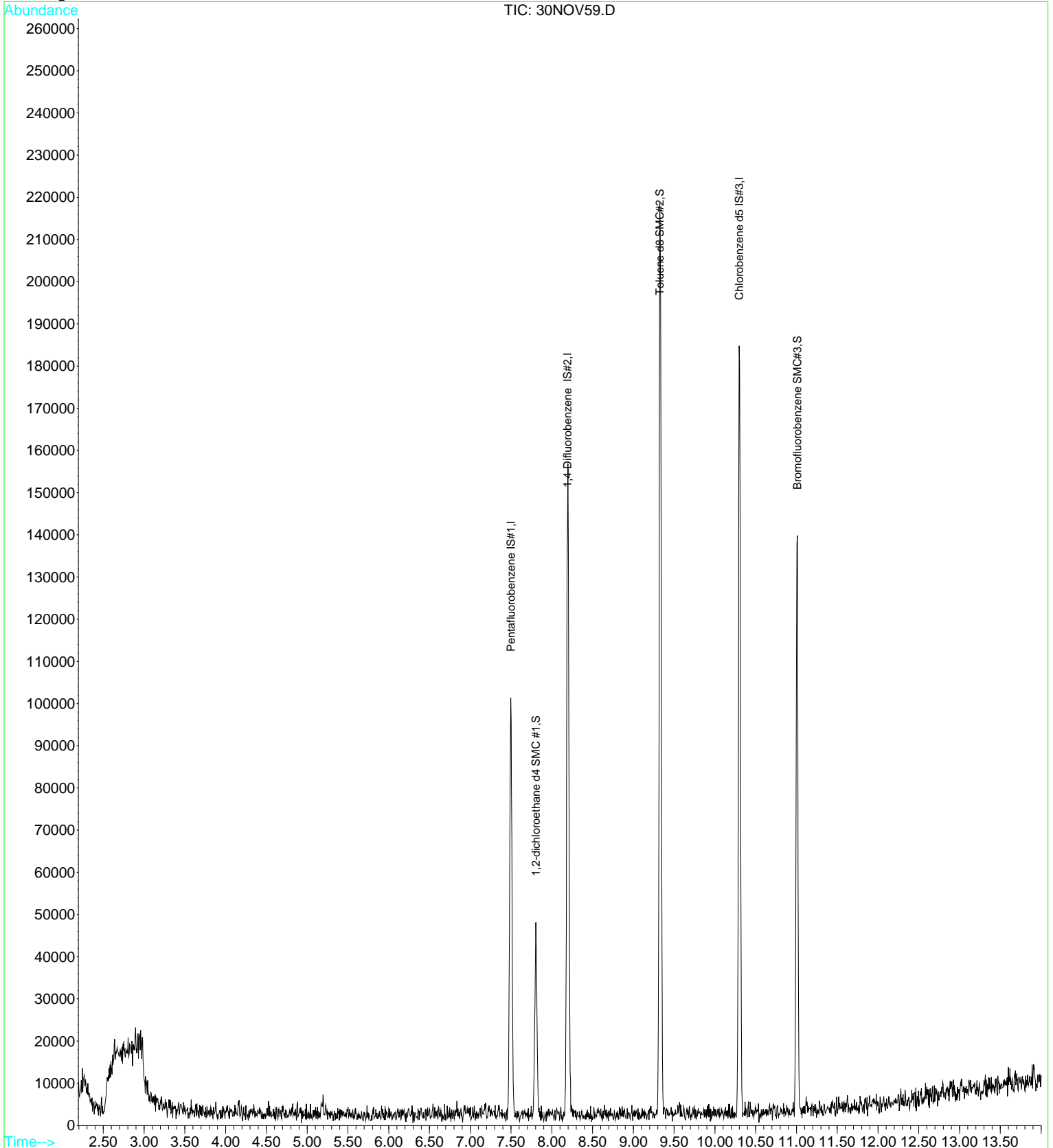
Qvalue

Data File : D:\DATA\NOV2023C\NOV30\30NOV59.D
Acq On : 1 Dec 2023 5:31 am
Sample : 2317726-TUN3
Misc : 1 ;3I28003;50NG
MS Integration Params: rteint.p
Quant Time: Dec 1 11:45 2023

Vial: 59
Operator: MGC
Inst : MS-V5
Multiplr: 1.00

Quant Results File: 82605C.RES

Method : C:\HPCHEM\1\METHODS\C\202311\26-0912\82605C.M (RTE Integrator)
Title : EPA Method 8260C/D
Last Update : Thu Nov 30 12:10:48 2023
Response via : Initial Calibration



Data File : D:\DATA\NOV2023C\NOV30\30NOV59.D

Vial: 59

Acq On : 1 Dec 2023 5:31 am

Operator: MGC

Sample : 2317726-TUN3

Inst : MS-V5

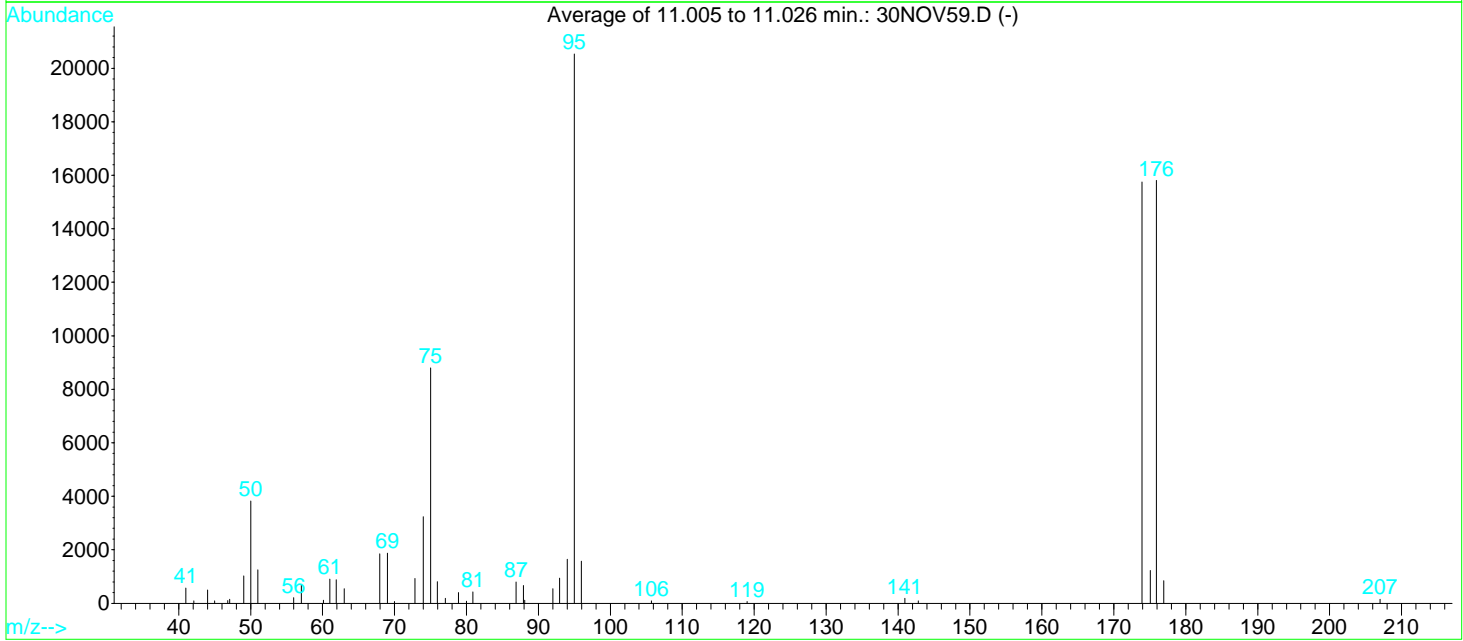
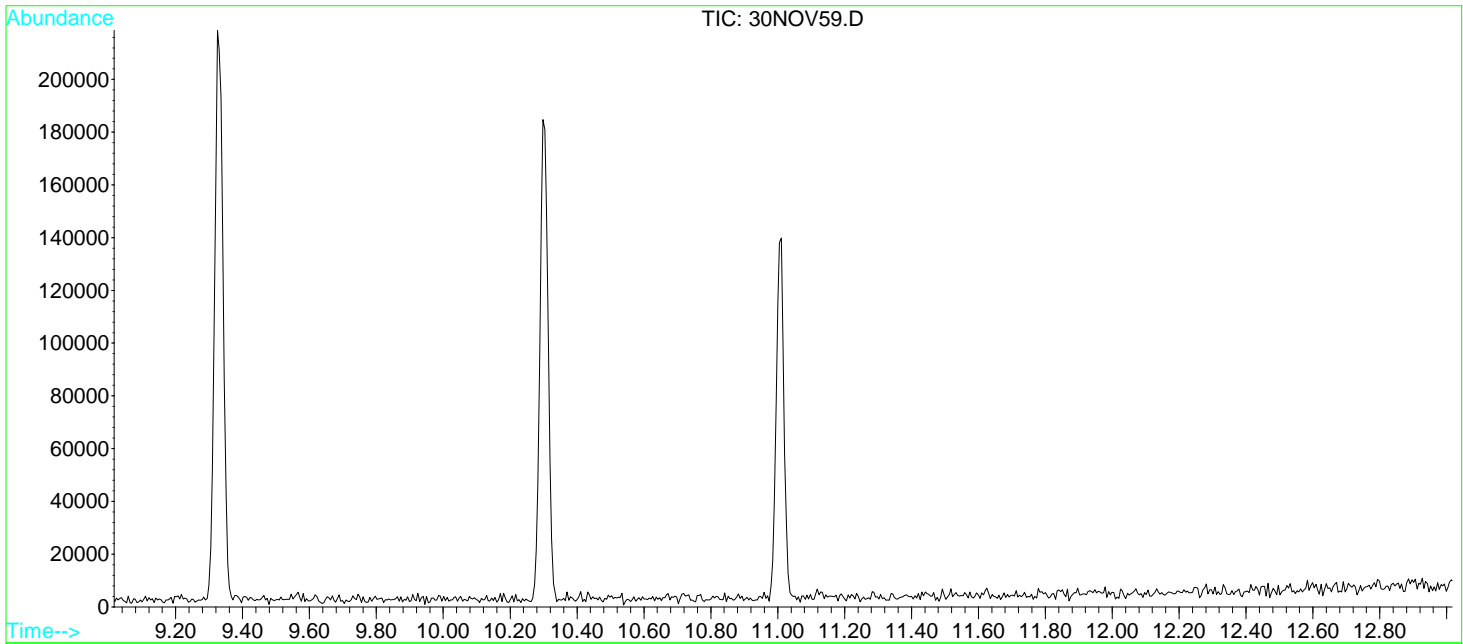
Misc : 1 ; 3I28003; 50NG

Multiplr: 1.00

MS Integration Params: rteint.p

Method : C:\HPCHEM\1\METHODS\C\202311\26-0912\82605C.M (RTE Integrator)

Title : EPA Method 8260C/D



Spectrum Information: Average of 11.005 to 11.026 min.

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	18.6	3822	PASS
75	95	30	60	42.8	8796	PASS
95	95	100	100	100.0	20531	PASS
96	95	5	9	7.6	1569	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	100	76.7	15748	PASS
175	174	5	9	7.8	1232	PASS
176	174	95	101	100.4	15807	PASS
177	176	5	9	5.4	848	PASS

Data File : D:\DATA\NOV2023C\NOV30\30NOV73.D
 Acq On : 1 Dec 2023 11:07 am
 Sample : 2317726-TUN4
 Misc : 1 ;3I28003;50NG

Vial: 3
 Operator: MGC
 Inst : MS-V5
 Multiplr: 1.00

MS Integration Params: rteint.p

Quant Time: Dec 1 12:06 2023

Quant Results File: 82605C.RES

Quant Method : C:\HPCHEM\1...\82605C.M (RTE Integrator)

Title : EPA Method 8260C/D
 Last Update : Thu Nov 30 12:10:48 2023
 Response via : Initial Calibration
 DataAcq Meth : 82605

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene IS#1	7.50	137	12929	10.00	ug/L	0.00
26) 1,4-Difluorobenzene IS#2	8.20	63	27755	10.00	ug/L	0.00
41) Chlorobenzene d5 IS#3	10.30	119	33642	10.00	ug/L	0.00

System Monitoring Compounds

23) 1,2-dichloroethane d4 SMC	7.80	65	30849	12.10	ug/L	0.00
Spiked Amount	10.000	Range	75 - 125	Recovery	=	121.00%
33) Toluene d8 SMC#2	9.33	98	150818	10.58	ug/L	0.00
Spiked Amount	10.000	Range	80 - 120	Recovery	=	105.80%
51) Bromofluorobenzene SMC#3	11.00	95	51790	10.69	ug/L	0.00
Spiked Amount	10.000	Range	80 - 120	Recovery	=	106.90%

Target Compounds

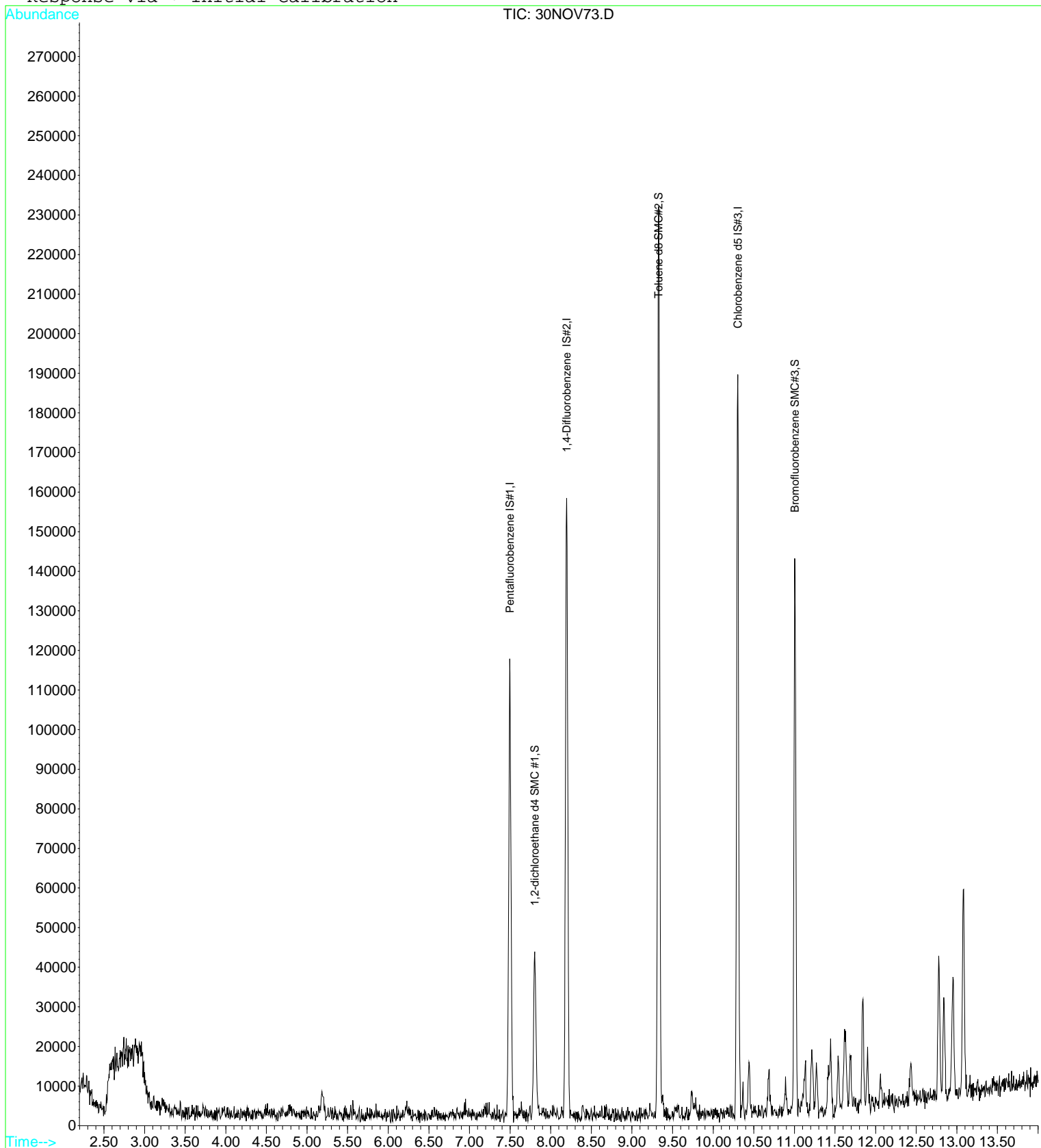
Qvalue

Data File : D:\DATA\NOV2023C\NOV30\30NOV73.D
Acq On : 1 Dec 2023 11:07 am
Sample : 2317726-TUN4
Misc : 1 ;3I28003;50NG
MS Integration Params: rteint.p
Quant Time: Dec 1 12:06 2023

Vial: 3
Operator: MGC
Inst : MS-V5
Multiplr: 1.00

Quant Results File: 82605C.RES

Method : C:\HPCHEM\1\METHODS\C\202311\26-0912\82605C.M (RTE Integrator)
Title : EPA Method 8260C/D
Last Update : Thu Nov 30 12:10:48 2023
Response via : Initial Calibration



Data File : D:\DATA\NOV2023C\NOV30\30NOV73.D
 Acq On : 1 Dec 2023 11:07 am
 Sample : 2317726-TUN4
 Misc : 1 ;3I28003;50NG

Vial: 3
 Operator: MGC
 Inst : MS-V5
 Multiplr: 1.00

MS Integration Params: rteint.p
 Quant Time: Dec 1 12:03 2023

Quant Results File: 82605CX.RES

Quant Method : C:\HPCHEM\1...\82605CX.M (RTE Integrator)
 Title : EPA Method 8260C/DX
 Last Update : Fri Dec 01 08:39:53 2023
 Response via : Initial Calibration
 DataAcq Meth : 82605

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene IS#1	7.50	137	12929	10.00	ug/L	0.00
29) 1,4-Difluorobenzene IS#2	8.20	63	27755	10.00	ug/L	0.00
36) Chlorobenzene d5 IS#3	10.30	119	33642	10.00	ug/L	0.00

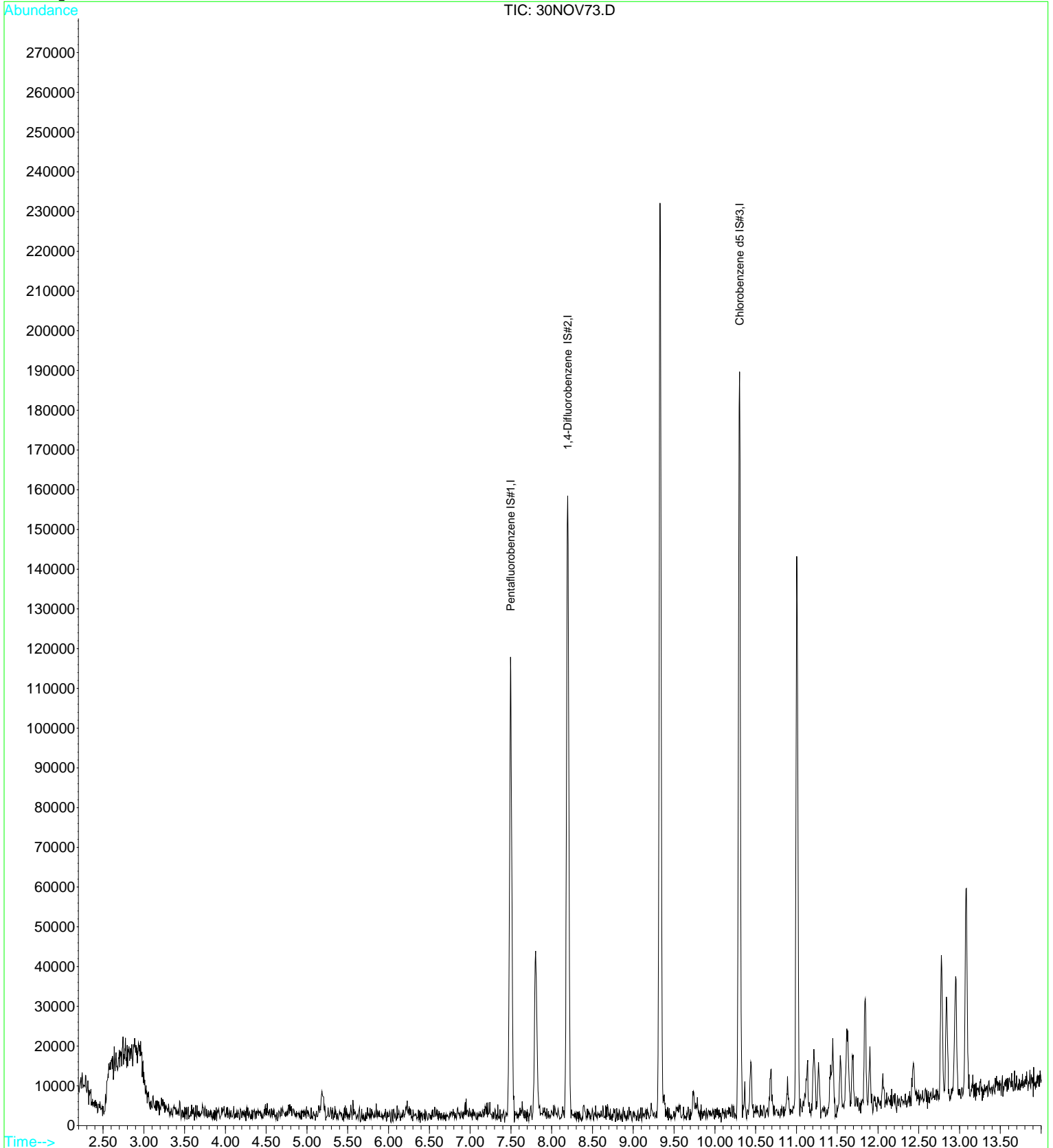
Target Compounds Qvalue

Data File : D:\DATA\NOV2023C\NOV30\30NOV73.D
Acq On : 1 Dec 2023 11:07 am
Sample : 2317726-TUN4
Misc : 1 ;3I28003;50NG
MS Integration Params: rteint.p
Quant Time: Dec 1 12:03 2023

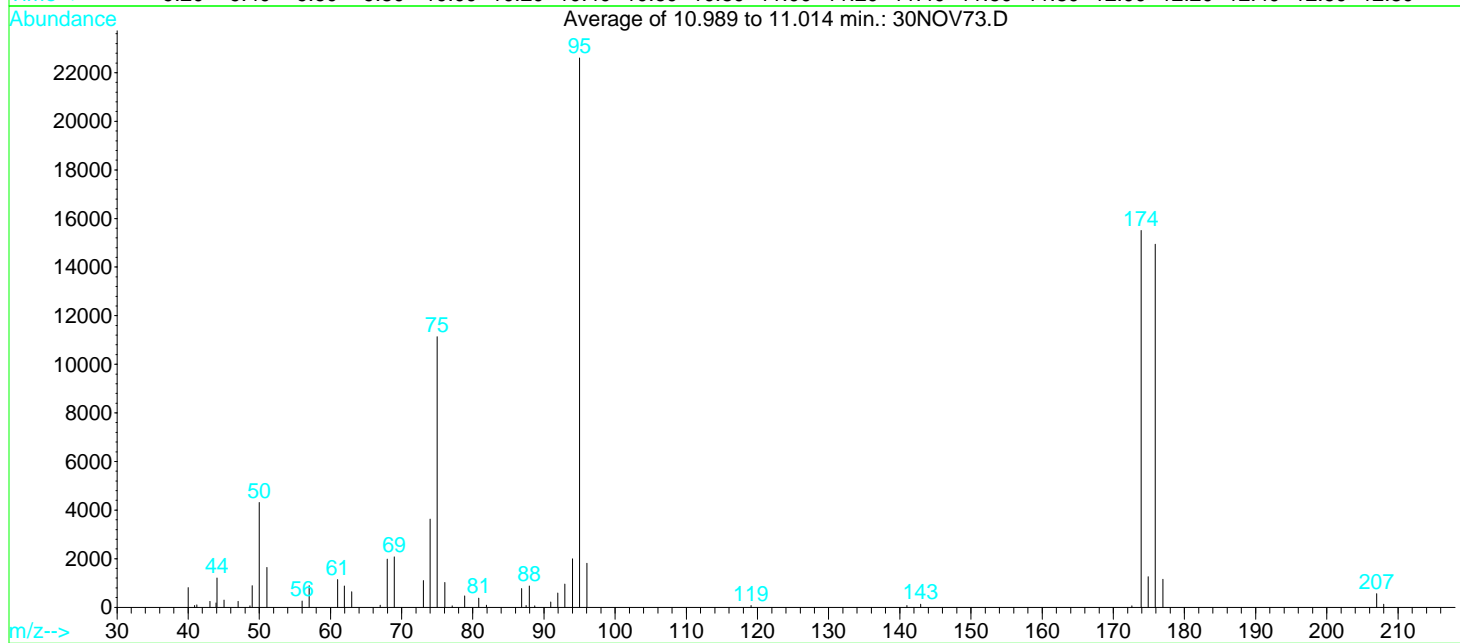
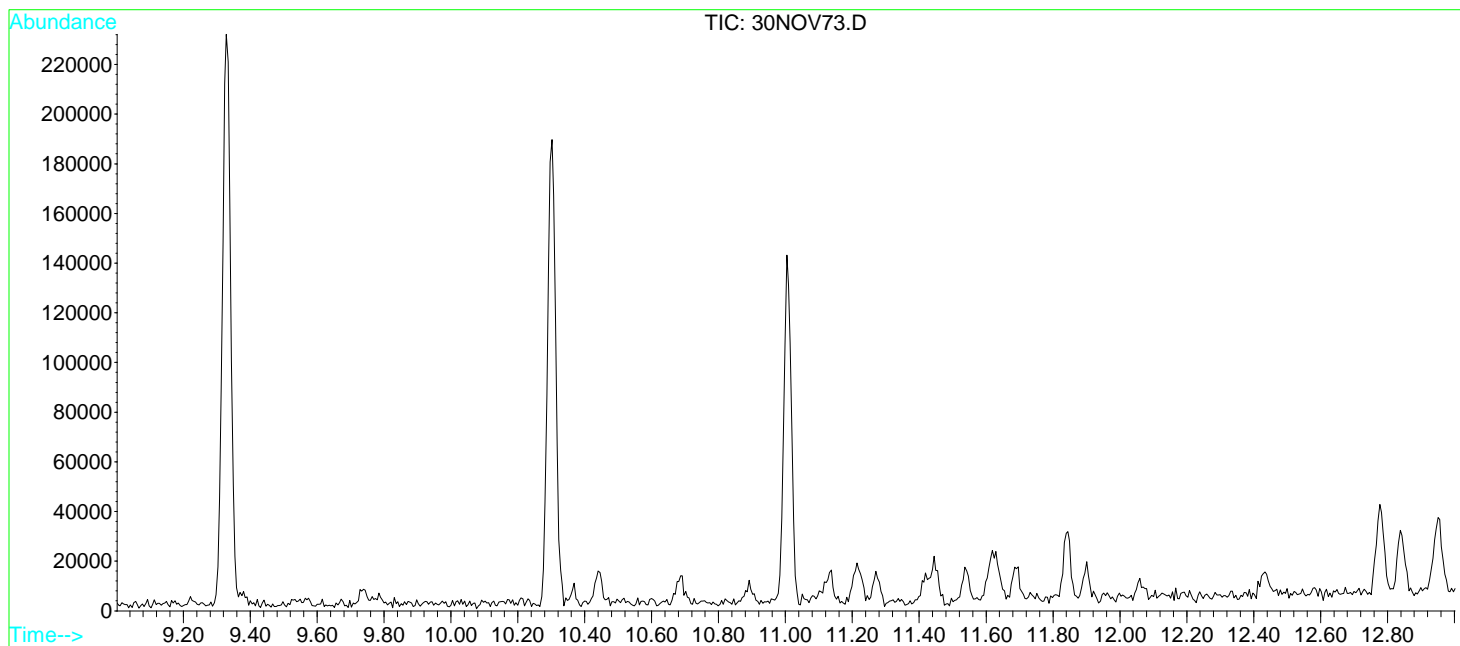
Vial: 3
Operator: MGC
Inst : MS-V5
Multiplr: 1.00

Quant Results File: 82605CX.RES

Method : C:\HPCHEM\1\METHODS\C\202311\26-1336\82605CX.M (RTE Integrator)
Title : EPA Method 8260C/DX
Last Update : Fri Dec 01 08:39:53 2023
Response via : Initial Calibration



Data File : D:\DATA\NOV2023C\NOV30\30NOV73.D Vial: 3
 Acq On : 1 Dec 2023 11:07 am Operator: MGC
 Sample : 2317726-TUN4 Inst : MS-V5
 Misc : 1 ;3I28003;50NG Multiplr: 1.00
 MS Integration Params: rteint.p
 Method : C:\HPCHEM\1\METHODS\C\202311\26-0912\82605C.M (RTE Integrator)
 Title : EPA Method 8260C/D

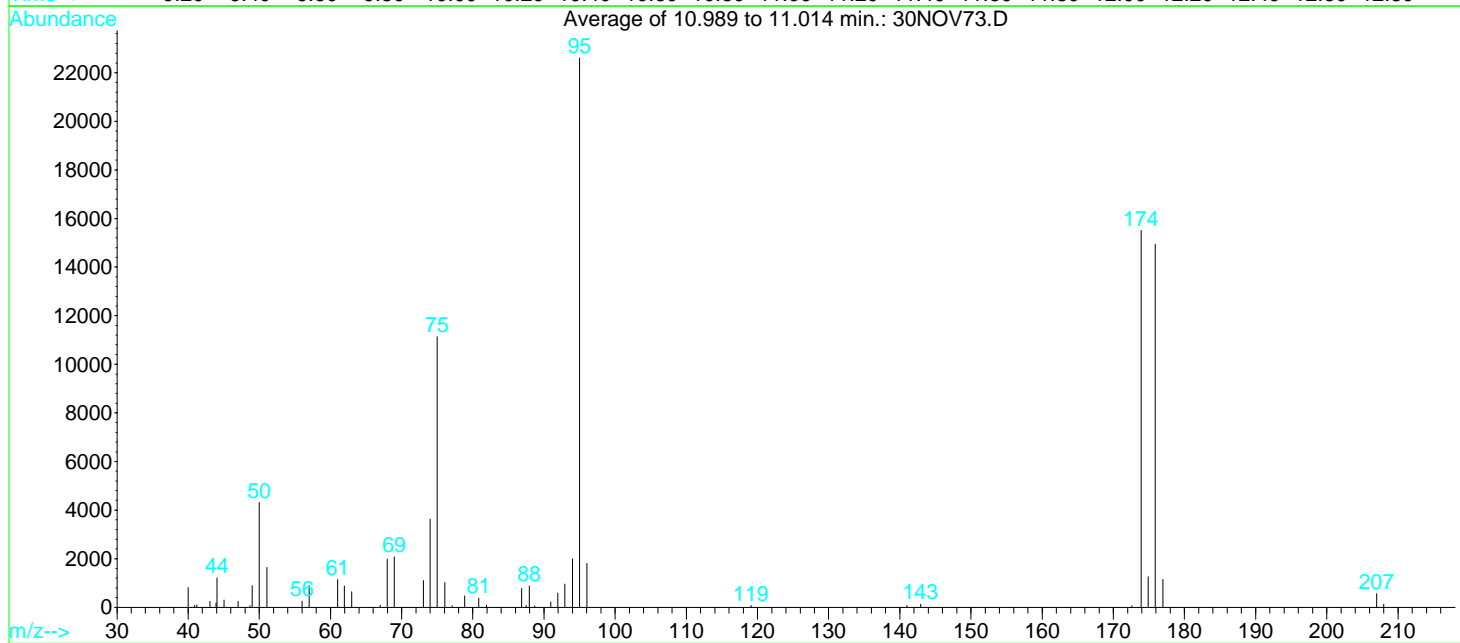
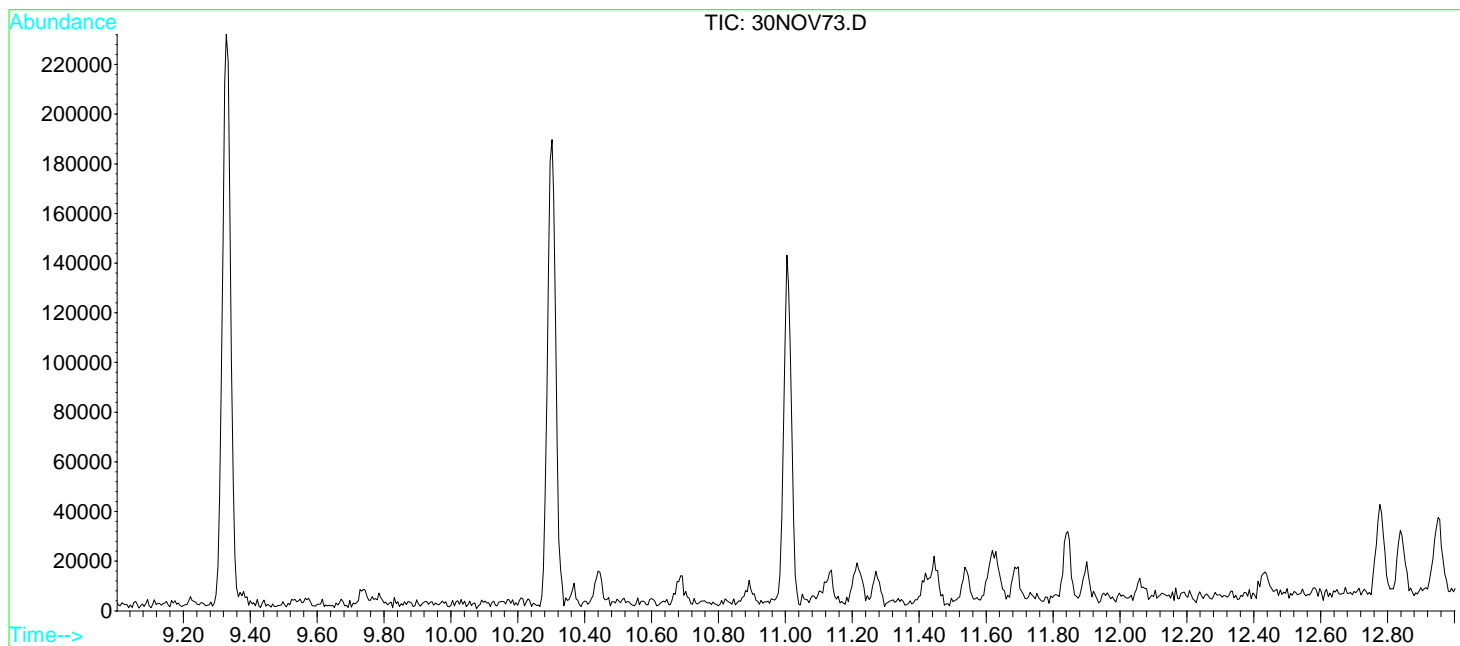


Spectrum Information: Average of 10.989 to 11.014 min.

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	19.1	4309	PASS
75	95	30	60	49.2	11130	PASS
95	95	100	100	100.0	22601	PASS
96	95	5	9	8.0	1806	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	100	68.6	15502	PASS
175	174	5	9	8.1	1253	PASS
176	174	95	101	96.4	14939	PASS
177	176	5	9	7.7	1149	PASS

Data File : D:\DATA\NOV2023C\NOV30\30NOV73.D
 Acq On : 1 Dec 2023 11:07 am
 Sample : 2317726-TUN4
 Misc : 1 ;3I28003;50NG
 MS Integration Params: rteint.p
 Method : C:\HPCHEM\1\METHODS\C\202311\26-1336\82605CX.M (RTE Integrator)
 Title : EPA Method 8260C/DX

Vial: 3
 Operator: MGC
 Inst : MS-V5
 Multiplr: 1.00



Spectrum Information: Average of 10.989 to 11.014 min.

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	19.1	4309	PASS
75	95	30	60	49.2	11130	PASS
95	95	100	100	100.0	22601	PASS
96	95	5	9	8.0	1806	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	100	68.6	15502	PASS
175	174	5	9	8.1	1253	PASS
176	174	95	101	96.4	14939	PASS
177	176	5	9	7.7	1149	PASS

Raw Data - Method Blank

Data File : D:\DATA\NOV2023C\NOV30\30NOV64.D
 Acq On : 1 Dec 2023 7:31 am
 Sample : B179170-BLK1
 Misc : 1 PB1;VRL-19-7314;25ML
 MS Integration Params: rteint.p
 Quant Time: Dec 1 11:50 2023

Vial: 64
 Operator: MGC
 Inst : MS-V5
 Multiplr: 1.00

Quant Results File: 82605C.RES

Quant Method : C:\HPCHEM\1...\82605C.M (RTE Integrator)
 Title : EPA Method 8260C/D
 Last Update : Thu Nov 30 12:10:48 2023
 Response via : Initial Calibration
 DataAcq Meth : 82605

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene IS#1	7.50	137	50930	10.00	ug/L	0.00
26) 1,4-Difluorobenzene IS#2	8.20	63	98808	10.00	ug/L	0.00
41) Chlorobenzene d5 IS#3	10.30	119	115913	10.00	ug/L	0.00

System Monitoring Compounds

23) 1,2-dichloroethane d4 SMC	7.81	65	102864	10.24	ug/L	0.00
Spiked Amount	10.000	Range	75 - 125	Recovery	=	102.40%
33) Toluene d8 SMC#2	9.33	98	507312	9.99	ug/L	0.00
Spiked Amount	10.000	Range	80 - 120	Recovery	=	99.90%
51) Bromofluorobenzene SMC#3	11.00	95	172335	10.33	ug/L	0.00
Spiked Amount	10.000	Range	80 - 120	Recovery	=	103.30%

Target Compounds

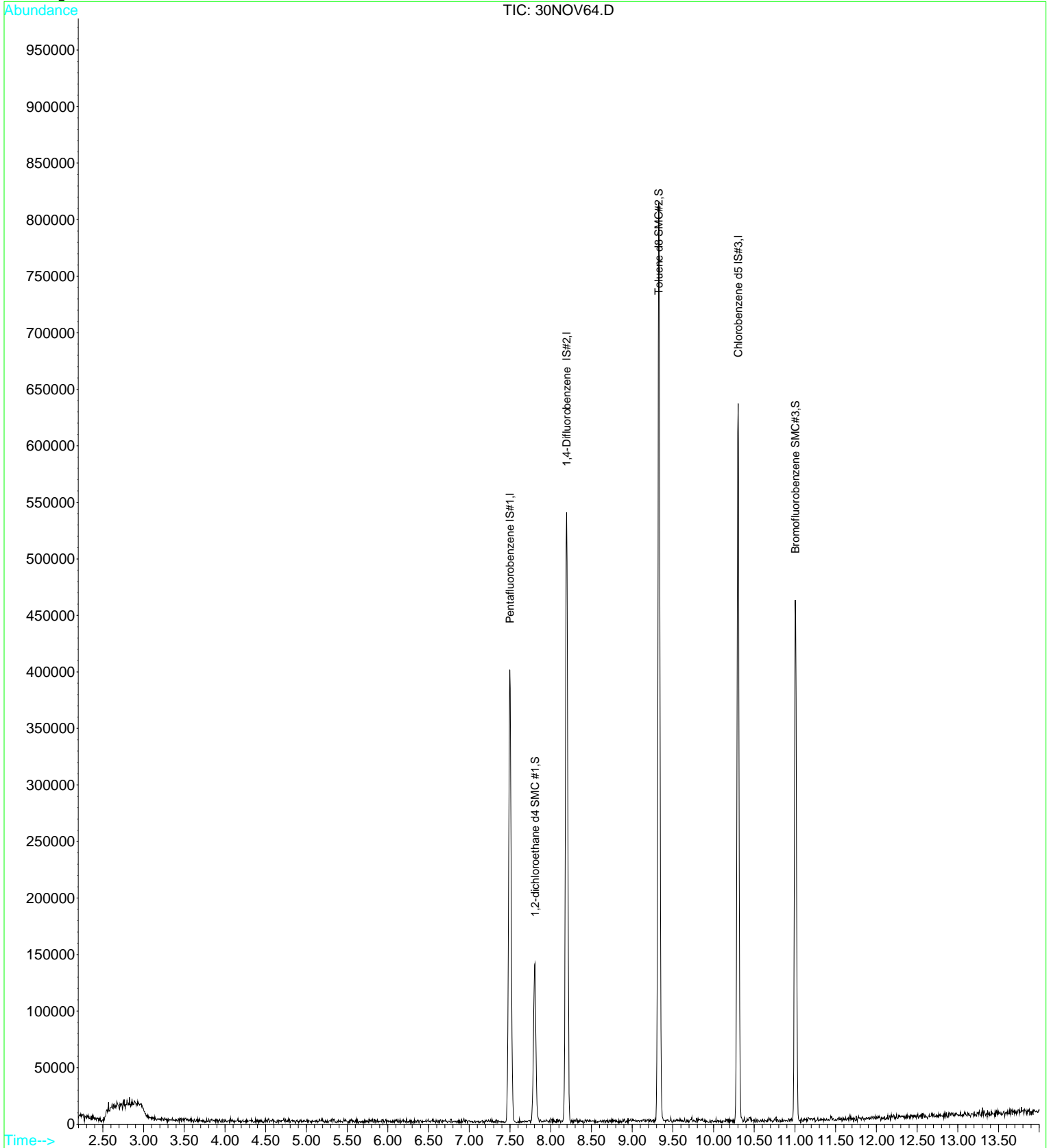
Qvalue

Data File : D:\DATA\NOV2023C\NOV30\30NOV64.D
Acq On : 1 Dec 2023 7:31 am
Sample : B179170-BLK1
Misc : 1 PB1;VRL-19-7314;25ML
MS Integration Params: rteint.p
Quant Time: Dec 1 11:50 2023

Vial: 64
Operator: MGC
Inst : MS-V5
Multiplr: 1.00

Quant Results File: 82605C.RES

Method : C:\HPCHEM\1\METHODS\C\202311\26-0912\82605C.M (RTE Integrator)
Title : EPA Method 8260C/D
Last Update : Thu Nov 30 12:10:48 2023
Response via : Initial Calibration



Data File : D:\DATA\NOV2023C\NOV30\30NOV64.D

Vial: 64

Acq On : 1 Dec 2023 7:31 am

Operator: MGC

Sample : B179170-BLK1

Inst : MS-V5

Misc : 1 PB1;VRL-19-7314;25ML

Multiplr: 1.00

MS Integration Params: rteint.p

Quant Time: Dec 1 11:50 2023

Quant Results File: 82605CX.RES

Quant Method : C:\HPCHEM\1...\82605CX.M (RTE Integrator)

Title : EPA Method 8260C/DX

Last Update : Fri Dec 01 08:39:53 2023

Response via : Initial Calibration

DataAcq Meth : 82605

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene IS#1	7.50	137	50930	10.00	ug/L	0.00
29) 1,4-Difluorobenzene IS#2	8.20	63	98808	10.00	ug/L	0.00
36) Chlorobenzene d5 IS#3	10.30	119	115913	10.00	ug/L	0.00

Target Compounds

Qvalue

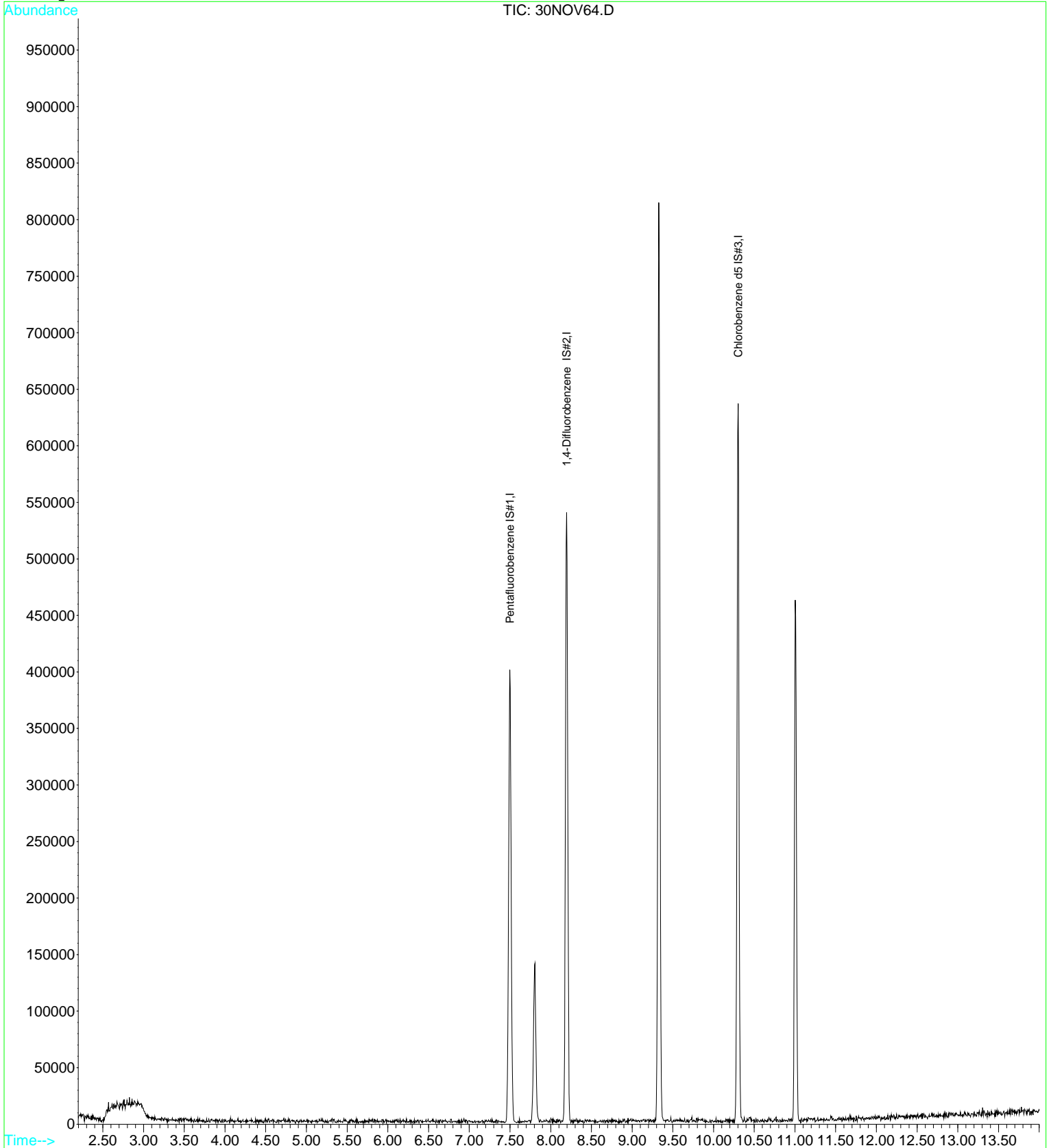
Quantitation Report

Data File : D:\DATA\NOV2023C\NOV30\30NOV64.D
Acq On : 1 Dec 2023 7:31 am
Sample : B179170-BLK1
Misc : 1 PB1;VRL-19-7314;25ML
MS Integration Params: rteint.p
Quant Time: Dec 1 11:50 2023

Vial: 64
Operator: MGC
Inst : MS-V5
Multiplr: 1.00

Quant Results File: 82605CX.RES

Method : C:\HPCHEM\1\METHODS\C\202311\26-1336\82605CX.M (RTE Integrator)
Title : EPA Method 8260C/DX
Last Update : Fri Dec 01 08:39:53 2023
Response via : Initial Calibration



Raw Data - Matrix Spike

Data File : D:\DATA\NOV2023C\NOV30\30NOV71.D
 Acq On : 1 Dec 2023 10:19 am
 Sample : B179170-MS1
 Misc : 1 ;3K10022;25ML
 MS Integration Params: rteint.p
 Quant Time: Dec 1 11:59 2023

Vial: 1
 Operator: MGC
 Inst : MS-V5
 Multiplr: 1.00

Quant Results File: 82605C.RES

Quant Method : C:\HPCHEM\1...\82605C.M (RTE Integrator)
 Title : EPA Method 8260C/D
 Last Update : Thu Nov 30 12:10:48 2023
 Response via : Initial Calibration
 DataAcq Meth : 82605

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene IS#1	7.50	137	49113	10.00	ug/L	0.00
26) 1,4-Difluorobenzene IS#2	8.20	63	99096	10.00	ug/L	0.00
41) Chlorobenzene d5 IS#3	10.30	119	117206	10.00	ug/L	0.00

System Monitoring Compounds

23) 1,2-dichloroethane d4 SMC	7.80	65	103885	10.73	ug/L	0.00
Spiked Amount	10.000	Range	75 - 125	Recovery	=	107.30%
33) Toluene d8 SMC#2	9.33	98	496329	9.75	ug/L	0.00
Spiked Amount	10.000	Range	80 - 120	Recovery	=	97.50%
51) Bromofluorobenzene SMC#3	11.01	95	166718	9.88	ug/L	0.00
Spiked Amount	10.000	Range	80 - 120	Recovery	=	98.80%

Target Compounds

	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.30	85	562762	31.41	ug/L	97
3) Chlorodifluoromethane	2.33	51	538936	26.65	ug/L	88
4) Chloromethane	2.55	50	700831	26.08	ug/L	98
5) Vinyl chloride	2.72	62	651998	27.41	ug/L	98
6) Bromomethane	3.21	94	296340	24.80	ug/L	99
7) Chloroethane	3.38	64	344536	27.19	ug/L	97
8) Dichlorofluoromethane	3.71	67	701187	25.81	ug/L	100
9) Trichlorofluoromethane	3.76	101	691916	27.89	ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	4.51	101	388956	28.36	ug/L	98
11) 1,1-Dichloroethene	4.49	61	652845	25.41	ug/L	99
12) Methylene chloride	5.19	84	329257	25.51	ug/L	96
13) MTBE	5.55	73	583187	26.82	ug/L	99
14) T-1,2-dichloroethene	5.57	96	407118	24.82	ug/L	99
15) 1,1-Dichloroethane	6.23	63	767319	25.33	ug/L	100
16) 2,2-Dichloropropane	6.96	77	660339	25.04	ug/L	85
17) Cis-1,2-dichloroethene	6.95	96	488465	28.98	ug/L	98
18) Bromochloromethane	7.21	128	133243	23.58	ug/L	93
19) Chloroform	7.32	83	637540	24.27	ug/L	99
20) 1,1,1-Trichloroethane	7.49	97	647597	25.62	ug/L	77
21) 1,1-Dichloropropene	7.64	75	547813	25.45	ug/L	99
22) Carbon tetrachloride	7.64	119	528961	25.74	ug/L	98
24) 1,2-Dichloroethane	7.88	62	352976	26.32	ug/L	99
25) Benzene	7.83	78	1384828	24.01	ug/L	98
27) Trichloroethene	8.40	130	416259	25.84	ug/L	99
28) 1,2-Dichloropropane	8.61	63	381677	25.10	ug/L #	39
29) Dibromomethane	8.68	93	135217	25.46	ug/L	97
30) Bromodichloromethane	8.81	83	426933	25.05	ug/L	98
31) 2-ceve	9.06	63	339	0.07	ug/L #	1
32) Cis-1,3-dichloropropene	9.13	75	512908	24.54	ug/L	99
34) Toluene	9.38	92	901946	24.39	ug/L	92
35) Trans-1,3-dichloropropene	9.52	75	380077	23.96	ug/L	99
36) 1,1,2-Trichloroethane	9.66	97	191633	24.07	ug/L	99
37) Tetrachloroethene (PCE)	9.74	166	411378	27.35	ug/L	99
38) 1,3-Dichloropropane	9.78	76	335279	25.53	ug/L	98
39) Dibromochloromethane	9.92	129	242654	25.45	ug/L	97
40) 1,2-Dibromoethane	10.02	107	178674	24.93	ug/L	98
42) Chlorobenzene	10.32	112	899380	24.52	ug/L	98
43) 1,1,1,2-Tetrachloroethane	10.37	131	318953	24.34	ug/L	99
44) Ethylbenzene	10.37	106	551584	24.37	ug/L #	27
45) P+m-Xylene	10.44	106	1212301	47.24	ug/L	82
46) O-Xylene	10.68	106	626711	24.70	ug/L	92
47) Styrene	10.69	104	932668	24.05	ug/L	96
48) Bromoform	10.83	173	106145	25.74	ug/L	96
49) Isopropylbenzene	10.89	105	1463658	24.99	ug/L	91
50) 1,1,2,2-Tetrachloroethane	11.06	83	192566	25.59	ug/L	100

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

Data File : D:\DATA\NOV2023C\NOV30\30NOV71.D

Vial: 1

Acq On : 1 Dec 2023 10:19 am

Operator: MGC

Sample : B179170-MS1

Inst : MS-V5

Misc : 1 ;3K10022;25ML

Multiplr: 1.00

MS Integration Params: rteint.p

Quant Time: Dec 1 11:59 2023

Quant Results File: 82605C.RES

Quant Method : C:\HPCHEM\1...\82605C.M (RTE Integrator)

Title : EPA Method 8260C/D

Last Update : Thu Nov 30 12:10:48 2023

Response via : Initial Calibration

DataAcq Meth : 82605

Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
52) 1,2,3-Trichloropropane	11.11	110	49420	26.64	ug/L	99
53) n-propylbenzene	11.13	91	1608391	24.09	ug/L	89
54) bromobenzene	11.11	156	323453	24.96	ug/L	89
55) 1,3,5-trimethylbenzene	11.22	105	1227944	25.29	ug/L	95
56) 2-chlorotoluene	11.21	91	1192472	23.04	ug/L	93
57) 4-chlorotoluene	11.27	91	1076686	23.51	ug/L	94
58) tert-butylbenzene	11.42	119	1445679	25.68	ug/L	96
59) 1,2,4-trimethylbenzene	11.45	105	1181079	24.61	ug/L	91
60) sec-butylbenzene	11.54	105	1567948	24.81	ug/L	91
61) 4-isopropyltoluene	11.62	119	1298890	25.19	ug/L	93
62) 1,3-Dichlorobenzene	11.64	146	641723	24.00	ug/L	94
63) 1,4-Dichlorobenzene	11.69	146	631196	24.11	ug/L	96
64) n-butylbenzene	11.84	91	1217061	23.83	ug/L	92
65) 1,2-Dichlorobenzene	11.90	146	545080	23.80	ug/L	97
66) Hexachloroethane	12.06	117	301612	24.25	ug/L	98
67) 1,2-dibromo-3-chloropropan	12.32	75	25187	22.06	ug/L	98
68) 1,2,4-trichlorobenzene	12.78	180	329210	25.07	ug/L	99
69) hexachlorobutadiene	12.84	225	232527	27.07	ug/L	97
70) naphthalene	12.95	128	436514	23.76	ug/L	100
71) 1,2,3-trichlorobenzene	13.08	180	251964	23.48	ug/L	98

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

30NOV71.D 82605C.M

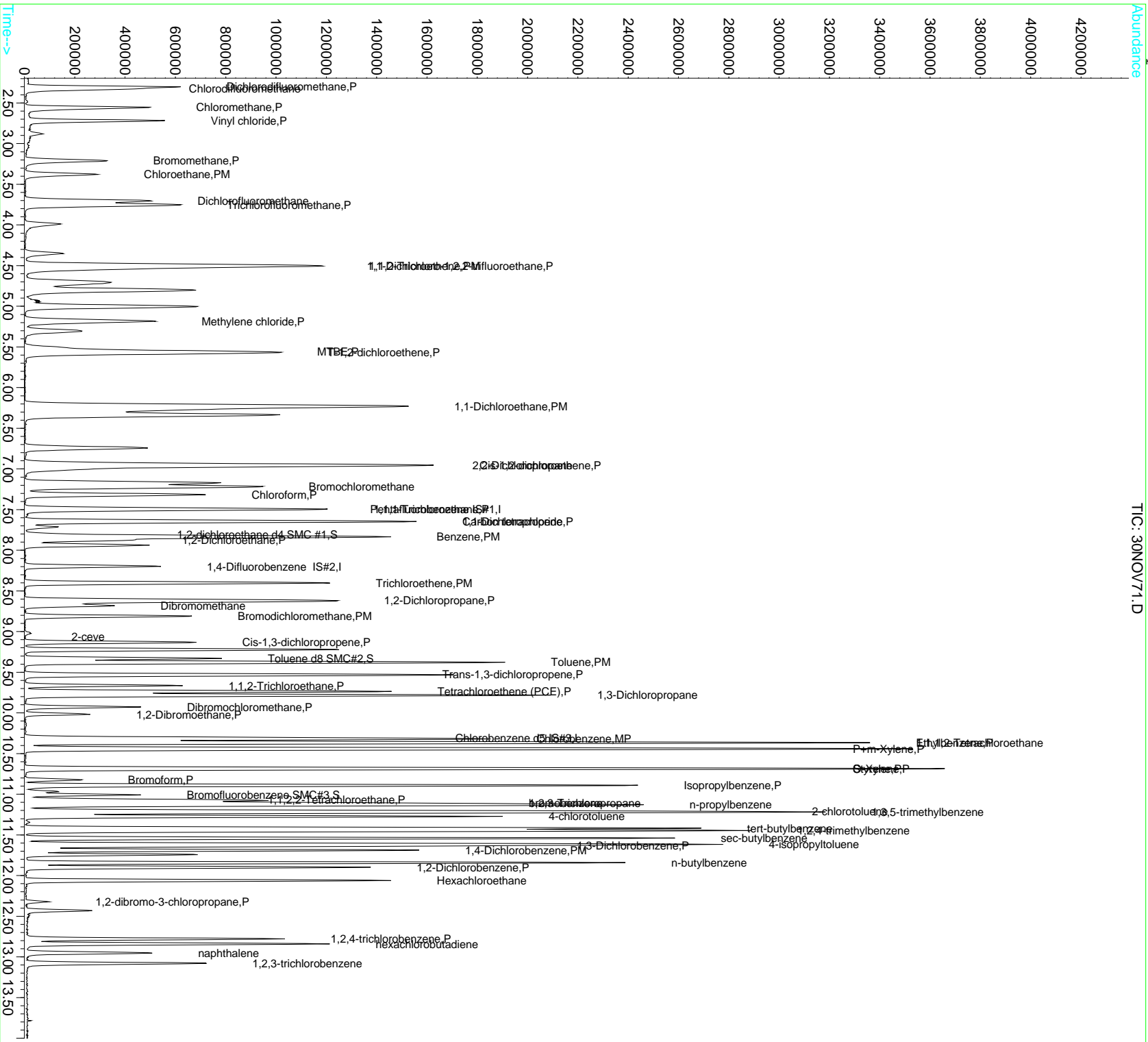
Fri Dec 01 12:00:04 2023

Data File : D:\DATA\NOV2023C\NOV30\30NOV71.D
Acq On : 1 Dec 2023 10:19 am
Sample : B179170-MS1
Misc : 1 ; 3K10022; 25ML
MS Integration Params: rteint.p
Quant Time: Dec 1 11:59 2023

Vial: 1
Operator: MGC
Inst : MS-V5
Multiplr: 1.00

Quant Results File: 82605C.RES

Method : C:\HPCHEM\1\METHODS\C\202311\26-0912\82605C.M (RTE Integrator)
Title : EPA Method 8260C/D
Last Update : Thu Nov 30 12:10:48 2023
Response via : Initial Calibration



Data File : D:\DATA\NOV2023C\NOV30\30NOV71.D
 Acq On : 1 Dec 2023 10:19 am
 Sample : B179170-MS1
 Misc : 1 ;3K10022;25ML
 MS Integration Params: rteint.p
 Quant Time: Dec 1 12:00 2023

Vial: 1
 Operator: MGC
 Inst : MS-V5
 Multiplr: 1.00

Quant Results File: 82605CX.RES

Quant Method : C:\HPCHEM\1...\82605CX.M (RTE Integrator)
 Title : EPA Method 8260C/DX
 Last Update : Fri Dec 01 08:39:53 2023
 Response via : Initial Calibration
 DataAcq Meth : 82605

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene IS#1	7.50	137	49113	10.00	ug/L	0.00
29) 1,4-Difluorobenzene IS#2	8.20	63	99096	10.00	ug/L	0.00
36) Chlorobenzene d5 IS#3	10.30	119	117206	10.00	ug/L	0.00

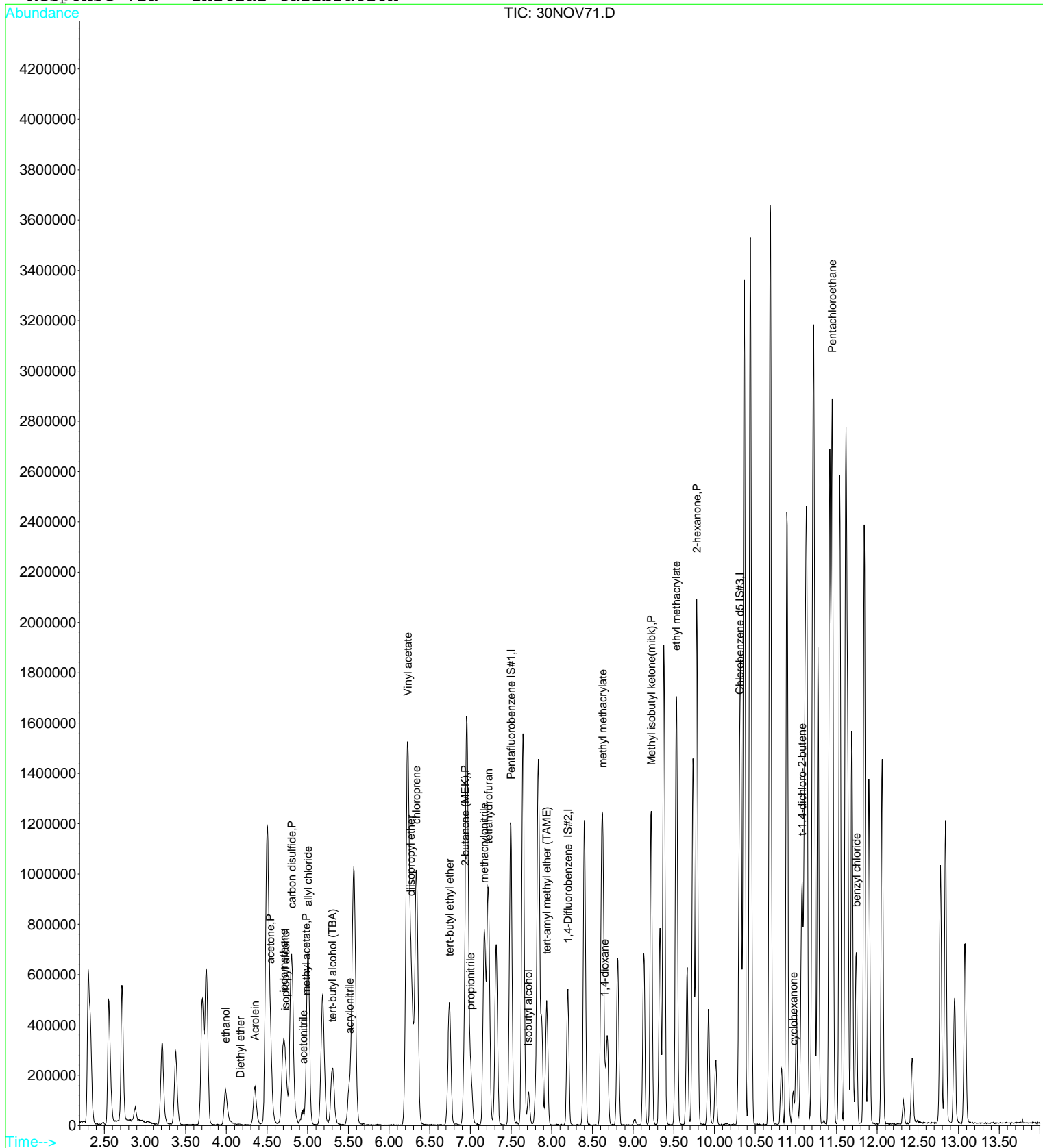
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) ethanol	3.99	45	242098	4406.21	ug/L #	78
5) Diethyl ether	4.17	59	430	0.05	ug/L #	1
6) isopropyl alcohol	4.73	45	304008	1038.48	ug/L #	84
7) Acrolein	4.35	56	217244	307.55	ug/L	86
8) acetone	4.55	43	449679	373.06	ug/L	97
9) tert-butyl alcohol (TBA)	5.30	59	420569	929.36	ug/L	100
10) acetonitrile	4.94	41	80022	150.36	ug/L #	32
11) methyl acetate	4.98	43	29478	8.65	ug/L	96
12) allyl chloride	5.00	41	1028309	33.59	ug/L	96
13) iodomethane	4.70	142	545058	28.29	ug/L	99
14) acrylonitrile	5.51	53	180308	96.29	ug/L #	92
15) carbon disulfide	4.80	76	1503678	33.78	ug/L	100
17) diisopropyl ether	6.27	87	194846	18.44	ug/L	68
18) Vinyl acetate	6.23	43	2668884	178.86	ug/L	96
19) chloroprene	6.33	53	973618	36.11	ug/L	96
20) tert-butyl ethyl ether	6.74	59	549118	17.43	ug/L	99
21) 2-butanone (MEK)	6.93	43	399982	176.78	ug/L	98
22) propionitrile	7.00	54	304771	449.00	ug/L #	80
23) Isobutyl alcohol	7.72	43	102108	434.61	ug/L #	49
24) methacrylonitrile	7.17	67	358453	165.82	ug/L	99
26) tetrahydrofuran	7.22	42	535852	362.49	ug/L	92
28) tert-amyl methyl ether (TA)	7.94	73	388291	16.14	ug/L #	86
30) methyl methacrylate	8.63	69	336196	76.61	ug/L #	63
32) 1,4-dioxane	8.65	88	87712	2030.49	ug/L	95
33) Methyl isobutyl ketone(mib)	9.22	43	882432	179.27	ug/L	97
34) ethyl methacrylate	9.54	69	712783	81.20	ug/L	98
35) 2-hexanone	9.78	43	1102951	352.88	ug/L	88
38) cyclohexanone	10.97	55	62900	123.63	ug/L	94
39) t-1,4-dichloro-2-butene	11.08	75	238886m	83.91	ug/L	
41) Pentachloroethane	11.45	167	140689	17.93	ug/L	90
42) benzyl chloride	11.74	91	504852	31.11	ug/L	98

Data File : D:\DATA\NOV2023C\NOV30\30NOV71.D
Acq On : 1 Dec 2023 10:19 am
Sample : B179170-MS1
Misc : 1 ;3K10022;25ML
MS Integration Params: rteint.p
Quant Time: Dec 1 12:00 2023

Vial: 1
Operator: MGC
Inst : MS-V5
Multiplr: 1.00

Quant Results File: 82605CX.RES

Method : C:\HPCHEM\1\METHODS\C\202311\26-1336\82605CX.M (RTE Integrator)
Title : EPA Method 8260C/DX
Last Update : Fri Dec 01 08:39:53 2023
Response via : Initial Calibration



Raw Data - Matrix Spike Duplicate

Data File : D:\DATA\NOV2023C\NOV30\30NOV72.D
 Acq On : 1 Dec 2023 10:43 am
 Sample : B179170-MSD1
 Misc : 1 ;3K10022;25ML
 MS Integration Params: rteint.p
 Quant Time: Dec 1 12:00 2023

Vial: 2
 Operator: MGC
 Inst : MS-V5
 Multiplr: 1.00

Quant Results File: 82605C.RES

Quant Method : C:\HPCHEM\1...\82605C.M (RTE Integrator)
 Title : EPA Method 8260C/D
 Last Update : Thu Nov 30 12:10:48 2023
 Response via : Initial Calibration
 DataAcq Meth : 82605

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene IS#1	7.50	137	49229	10.00	ug/L	0.00
26) 1,4-Difluorobenzene IS#2	8.19	63	107132	10.00	ug/L	0.00
41) Chlorobenzene d5 IS#3	10.30	119	124857	10.00	ug/L	0.00

System Monitoring Compounds

23) 1,2-dichloroethane d4 SMC	7.80	65	108614	11.19	ug/L	0.00
Spiked Amount	10.000	Range	75 - 125	Recovery	=	111.90%
33) Toluene d8 SMC#2	9.33	98	527602	9.58	ug/L	0.00
Spiked Amount	10.000	Range	80 - 120	Recovery	=	95.80%
51) Bromofluorobenzene SMC#3	11.01	95	176700	9.83	ug/L	0.00
Spiked Amount	10.000	Range	80 - 120	Recovery	=	98.30%

Target Compounds

	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.30	85	568299	31.64	ug/L	98
3) Chlorodifluoromethane	2.33	51	533079	26.30	ug/L	86
4) Chloromethane	2.56	50	716251	26.59	ug/L	97
5) Vinyl chloride	2.72	62	669382	28.07	ug/L	98
6) Bromomethane	3.21	94	314509	26.26	ug/L	99
7) Chloroethane	3.38	64	356520	28.07	ug/L	99
8) Dichlorofluoromethane	3.70	67	720745	26.47	ug/L	99
9) Trichlorofluoromethane	3.76	101	703847	28.31	ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	4.51	101	391393	28.47	ug/L	99
11) 1,1-Dichloroethene	4.49	61	662735	25.73	ug/L	100
12) Methylene chloride	5.18	84	333023	25.74	ug/L	97
13) MTBE	5.55	73	586154	26.90	ug/L	100
14) T-1,2-dichloroethene	5.57	96	411483	25.03	ug/L	99
15) 1,1-Dichloroethane	6.23	63	773668	25.48	ug/L	100
16) 2,2-Dichloropropane	6.96	77	661946	25.04	ug/L	81
17) Cis-1,2-dichloroethene	6.95	96	509306	30.15	ug/L	99
18) Bromochloromethane	7.21	128	135387	23.90	ug/L	94
19) Chloroform	7.32	83	649795	24.68	ug/L	98
20) 1,1,1-Trichloroethane	7.50	97	646942	25.54	ug/L	77
21) 1,1-Dichloropropene	7.64	75	555426	25.74	ug/L	99
22) Carbon tetrachloride	7.64	119	546824	26.55	ug/L	99
24) 1,2-Dichloroethane	7.87	62	354817	26.40	ug/L #	91
25) Benzene	7.83	78	1421784	24.59	ug/L	97
27) Trichloroethene	8.40	130	418274	24.02	ug/L	98
28) 1,2-Dichloropropane	8.61	63	391125	23.79	ug/L #	39
29) Dibromomethane	8.68	93	135654	23.62	ug/L	95
30) Bromodichloromethane	8.81	83	431526	23.42	ug/L	99
32) Cis-1,3-dichloropropene	9.13	75	521132	23.07	ug/L	99
34) Toluene	9.38	92	916825	22.93	ug/L	91
35) Trans-1,3-dichloropropene	9.52	75	388505	22.66	ug/L	98
36) 1,1,2-Trichloroethane	9.66	97	192032	22.31	ug/L	97
37) Tetrachloroethene (PCE)	9.73	166	413818	25.45	ug/L	98
38) 1,3-Dichloropropane	9.78	76	338574	23.85	ug/L	98
39) Dibromochloromethane	9.93	129	247170	23.98	ug/L	99
40) 1,2-Dibromoethane	10.02	107	180552	23.30	ug/L	99
42) Chlorobenzene	10.32	112	905697	23.18	ug/L	98
43) 1,1,1,2-Tetrachloroethane	10.36	131	329093	23.57	ug/L	98
44) Ethylbenzene	10.36	106	562849	23.34	ug/L #	27
45) P+m-Xylene	10.44	106	1237028	45.25	ug/L	81
46) O-Xylene	10.68	106	634214	23.46	ug/L	92
47) Styrene	10.69	104	950945	23.02	ug/L	95
48) Bromoform	10.82	173	109810	25.00	ug/L	96
49) Isopropylbenzene	10.89	105	1486792	23.49	ug/L	91
50) 1,1,2,2-Tetrachloroethane	11.06	83	189256	23.61	ug/L	99
52) 1,2,3-Trichloropropane	11.11	110	50147	25.38	ug/L	99

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

Data File : D:\DATA\NOV2023C\NOV30\30NOV72.D

Vial: 2

Acq On : 1 Dec 2023 10:43 am

Operator: MGC

Sample : B179170-MSD1

Inst : MS-V5

Misc : 1 ;3K10022;25ML

Multiplr: 1.00

MS Integration Params: rteint.p

Quant Time: Dec 1 12:00 2023

Quant Results File: 82605C.RES

Quant Method : C:\HPCHEM\1...\82605C.M (RTE Integrator)

Title : EPA Method 8260C/D

Last Update : Thu Nov 30 12:10:48 2023

Response via : Initial Calibration

DataAcq Meth : 82605

Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
53) n-propylbenzene	11.13	91	1627881	22.47	ug/L	88
54) bromobenzene	11.11	156	329610	23.88	ug/L	90
55) 1,3,5-trimethylbenzene	11.22	105	1233691	23.52	ug/L	94
56) 2-chlorotoluene	11.21	91	1203709	21.83	ug/L	92
57) 4-chlorotoluene	11.27	91	1074613	22.03	ug/L	94
58) tert-butylbenzene	11.42	119	1474691	24.59	ug/L	95
59) 1,2,4-trimethylbenzene	11.45	105	1196575	23.14	ug/L	92
60) sec-butylbenzene	11.54	105	1584883	23.12	ug/L	91
61) 4-isopropyltoluene	11.61	119	1305871	23.42	ug/L	93
62) 1,3-Dichlorobenzene	11.64	146	649522	22.81	ug/L	96
63) 1,4-Dichlorobenzene	11.69	146	638847	22.91	ug/L	96
64) n-butylbenzene	11.84	91	1210161	22.24	ug/L	92
65) 1,2-Dichlorobenzene	11.90	146	551885	22.62	ug/L	98
66) Hexachloroethane	12.06	117	307979	23.24	ug/L	98
67) 1,2-dibromo-3-chloropropan	12.32	75	27716	22.79	ug/L	88
68) 1,2,4-trichlorobenzene	12.78	180	327166	23.39	ug/L	98
69) hexachlorobutadiene	12.84	225	240181	26.25	ug/L	99
70) naphthalene	12.95	128	431565	22.05	ug/L	100
71) 1,2,3-trichlorobenzene	13.08	180	250378	21.90	ug/L	99

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

30NOV72.D 82605C.M

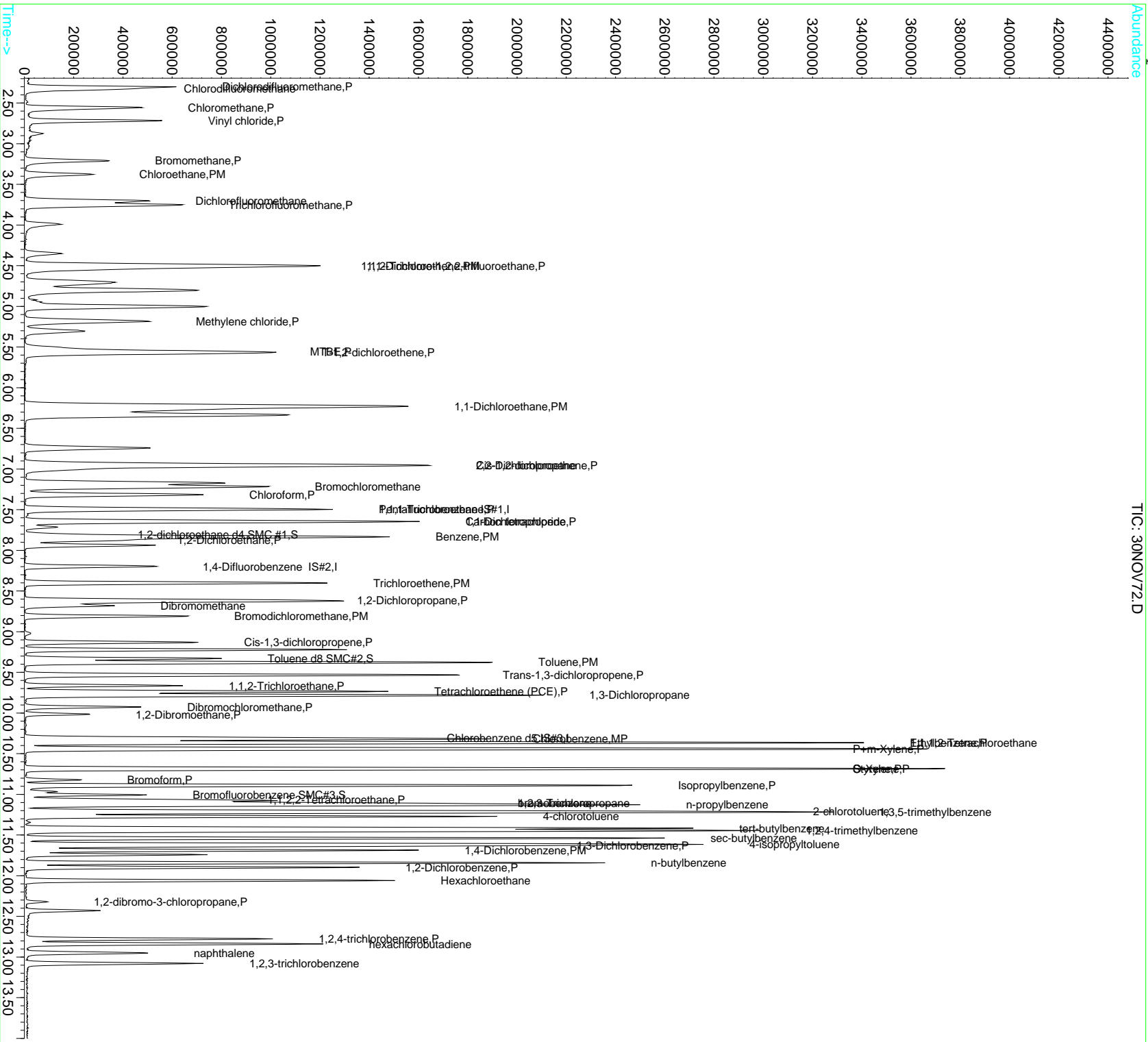
Fri Dec 01 12:01:06 2023

Data File : D:\DATA\NOV2023C\NOV30\30NOV72.2.D
Acq On : 1 Dec 2023 10:43 am
Sample : B179170-MSD1
Misc : 1 ; 3K10022; 25ML
MS Integration Params: rteint.p
Quant Time: Dec 1 12:00 2023

Vial: 2
Operator: MGC
Inst : MS-V5
Multiplr: 1.00

Quant Results File: 82605C.RES

Method : C:\HPCHEM\1\METHODS\C\202311\26-0912\82605C.M (RTE Integrator)
Title : EPA Method 8260C/D
Last Update : Thu Nov 30 12:10:48 2023
Response via : Initial Calibration



Data File : D:\DATA\NOV2023C\NOV30\30NOV72.D

Vial: 2

Acq On : 1 Dec 2023 10:43 am

Operator: MGC

Sample : B179170-MSD1

Inst : MS-V5

Misc : 1 ;3K10022;25ML

Multiplr: 1.00

MS Integration Params: rteint.p

Quant Time: Dec 1 12:01 2023

Quant Results File: 82605CX.RES

Quant Method : C:\HPCHEM\1...\82605CX.M (RTE Integrator)

Title : EPA Method 8260C/DX

Last Update : Fri Dec 01 08:39:53 2023

Response via : Initial Calibration

DataAcq Meth : 82605

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene IS#1	7.50	137	49229	10.00	ug/L	0.00
29) 1,4-Difluorobenzene IS#2	8.19	63	107132	10.00	ug/L	0.00
36) Chlorobenzene d5 IS#3	10.30	119	124857	10.00	ug/L	0.00

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) ethanol	3.99	45	251115	4559.55	ug/L #	81
6) isopropyl alcohol	4.73	45	303114	1032.99	ug/L #	1
7) Acrolein	4.35	56	216991	306.47	ug/L	85
8) acetone	4.54	43	459488	380.30	ug/L	97
9) tert-butyl alcohol (TBA)	5.30	59	441134	972.51	ug/L	100
10) acetonitrile	4.94	41	97380	182.54	ug/L #	31
11) methyl acetate	4.97	43	31374	9.19	ug/L #	86
12) allyl chloride	5.01	41	1118434	36.44	ug/L	97
13) iodomethane	4.70	142	582957	30.19	ug/L	99
14) acrylonitrile	5.51	53	176510	94.04	ug/L #	90
15) carbon disulfide	4.80	76	1623481	36.38	ug/L	99
17) diisopropyl ether	6.28	87	203904	19.25	ug/L	70
18) Vinyl acetate	6.22	43	2732215	183.89	ug/L	97
19) chloroprene	6.33	53	1051266	38.90	ug/L	97
20) tert-butyl ethyl ether	6.74	59	576153	18.25	ug/L	100
21) 2-butanone (MEK)	6.93	43	415250	183.09	ug/L	97
22) propionitrile	7.00	54	304507	447.55	ug/L #	78
23) Isobutyl alcohol	7.72	43	107844	457.94	ug/L #	47
24) methacrylonitrile	7.17	67	380480	175.59	ug/L	98
26) tetrahydrofuran	7.22	42	554315	374.09	ug/L	91
28) tert-amyl methyl ether (TA)	7.94	73	410888	17.04	ug/L #	87
30) methyl methacrylate	8.63	69	349364	73.64	ug/L	65
32) 1,4-dioxane	8.66	88	90866	1945.72	ug/L	92
33) Methyl isobutyl ketone(mib)	9.22	43	916994	171.14	ug/L	97
34) ethyl methacrylate	9.53	69	747231	78.74	ug/L	99
35) 2-hexanone	9.79	43	1138117	333.22	ug/L	86
38) cyclohexanone	10.96	55	64220	117.97	ug/L	98
39) t-1,4-dichloro-2-butene	11.08	75	251418m	82.90	ug/L	
41) Pentachloroethane	11.46	167	154629	18.50	ug/L	90
42) benzyl chloride	11.74	91	544552	31.50	ug/L	99

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

30NOV72.D 82605CX.M

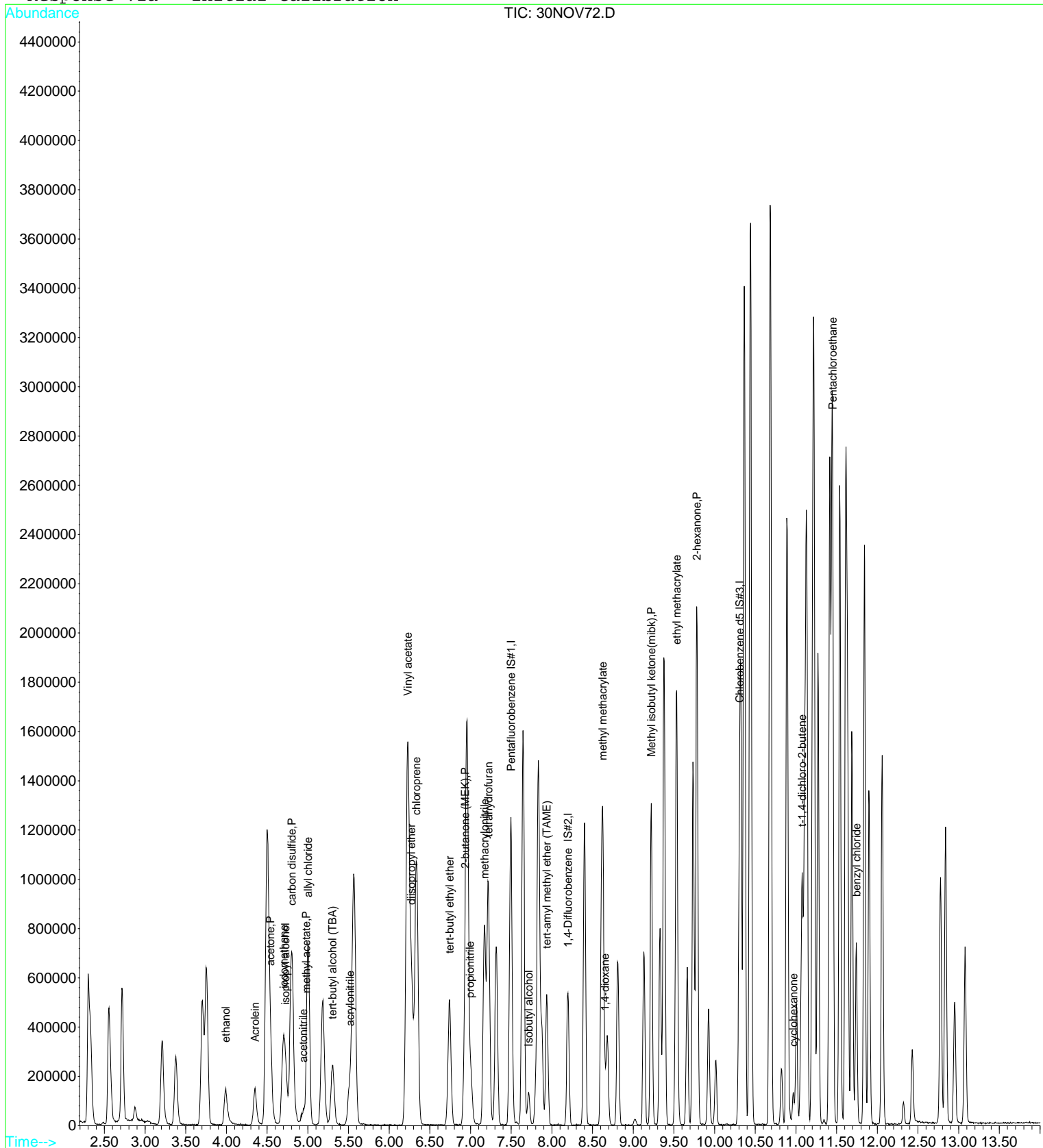
Fri Dec 01 12:01:50 2023

Data File : D:\DATA\NOV2023C\NOV30\30NOV72.D
Acq On : 1 Dec 2023 10:43 am
Sample : B179170-MSD1
Misc : 1 ;3K10022;25ML
MS Integration Params: rteint.p
Quant Time: Dec 1 12:01 2023

Vial: 2
Operator: MGC
Inst : MS-V5
Multiplr: 1.00

Quant Results File: 82605CX.RES

Method : C:\HPCHEM\1\METHODS\C\202311\26-1336\82605CX.M (RTE Integrator)
Title : EPA Method 8260C/DX
Last Update : Fri Dec 01 08:39:53 2023
Response via : Initial Calibration



Raw Data - Lab Control Sample

Data File : D:\DATA\NOV2023C\NOV30\30NOV69.D
 Acq On : 1 Dec 2023 9:31 am
 Sample : B179170-BS1
 Misc : 1 ;3K10022;25ML
 MS Integration Params: rteint.p
 Quant Time: Dec 1 11:56 2023

Vial: 69
 Operator: MGC
 Inst : MS-V5
 Multiplr: 1.00

Quant Results File: 82605C.RES

Quant Method : C:\HPCHEM\1...\82605C.M (RTE Integrator)
 Title : EPA Method 8260C/D
 Last Update : Thu Nov 30 12:10:48 2023
 Response via : Initial Calibration
 DataAcq Meth : 82605

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene IS#1	7.50	137	47769	10.00	ug/L	0.00
26) 1,4-Difluorobenzene IS#2	8.19	63	103667	10.00	ug/L	0.00
41) Chlorobenzene d5 IS#3	10.30	119	115415	10.00	ug/L	0.00

System Monitoring Compounds

23) 1,2-dichloroethane d4 SMC	7.80	65	100281	10.65	ug/L	0.00
Spiked Amount	10.000	Range	75 - 125	Recovery	=	106.50%
33) Toluene d8 SMC#2	9.33	98	509116	9.56	ug/L	0.00
Spiked Amount	10.000	Range	80 - 120	Recovery	=	95.60%
51) Bromofluorobenzene SMC#3	11.01	95	170847	10.28	ug/L	0.00
Spiked Amount	10.000	Range	80 - 120	Recovery	=	102.80%

Target Compounds

	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.30	85	515222	29.56	ug/L	99
3) Chlorodifluoromethane	2.33	51	488524	24.84	ug/L	87
4) Chloromethane	2.56	50	660451	25.27	ug/L	98
5) Vinyl chloride	2.72	62	605674	26.18	ug/L	99
6) Bromomethane	3.21	94	244764	21.06	ug/L	99
7) Chloroethane	3.38	64	320792	26.03	ug/L	96
8) Dichlorofluoromethane	3.71	67	657065	24.87	ug/L	100
9) Trichlorofluoromethane	3.75	101	625873	25.94	ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	4.51	101	350987	26.31	ug/L	99
11) 1,1-Dichloroethene	4.49	61	608054	24.33	ug/L	99
12) Methylene chloride	5.19	84	307027	24.43	ug/L	93
13) MTBE	5.55	73	560786	26.51	ug/L	99
14) T-1,2-dichloroethene	5.58	96	375478	23.54	ug/L	99
15) 1,1-Dichloroethane	6.23	63	722719	24.53	ug/L	99
16) 2,2-Dichloropropane	6.96	77	620002	24.17	ug/L	97
17) Cis-1,2-dichloroethene	6.95	96	381841	23.29	ug/L	94
18) Bromochloromethane	7.21	128	128488	23.38	ug/L	96
19) Chloroform	7.32	83	608104	23.80	ug/L	98
20) 1,1,1-Trichloroethane	7.49	97	596813	24.28	ug/L	78
21) 1,1-Dichloropropene	7.65	75	508172	24.27	ug/L	99
22) Carbon tetrachloride	7.65	119	486896	24.36	ug/L	97
24) 1,2-Dichloroethane	7.88	62	342804	26.28	ug/L	99
25) Benzene	7.83	78	1308618	23.33	ug/L	98
27) Trichloroethene	8.40	130	371617	22.05	ug/L	99
28) 1,2-Dichloropropane	8.61	63	358662	22.55	ug/L #	36
29) Dibromomethane	8.69	93	127212	22.89	ug/L	96
30) Bromodichloromethane	8.81	83	407496	22.85	ug/L	98
31) 2-ceve	9.00	63	383245	77.12	ug/L	98
32) Cis-1,3-dichloropropene	9.13	75	486296	22.24	ug/L	99
34) Toluene	9.38	92	847548	21.90	ug/L	92
35) Trans-1,3-dichloropropene	9.53	75	358883	21.63	ug/L	99
36) 1,1,2-Trichloroethane	9.66	97	187653	22.53	ug/L	98
37) Tetrachloroethene (PCE)	9.74	166	351146	22.31	ug/L	98
38) 1,3-Dichloropropane	9.78	76	315321	22.95	ug/L	98
39) Dibromochloromethane	9.93	129	228521	22.91	ug/L	96
40) 1,2-Dibromoethane	10.02	107	165696	22.10	ug/L	99
42) Chlorobenzene	10.32	112	831972	23.03	ug/L	97
43) 1,1,1,2-Tetrachloroethane	10.37	131	302875	23.47	ug/L	97
44) Ethylbenzene	10.37	106	513430	23.04	ug/L #	30
45) P+m-Xylene	10.44	106	1157270	45.80	ug/L	83
46) O-Xylene	10.68	106	598716	23.96	ug/L	91
47) Styrene	10.69	104	882401	23.10	ug/L	95
48) Bromoform	10.83	173	96817	23.84	ug/L	98
49) Isopropylbenzene	10.89	105	1383638	23.69	ug/L	92
50) 1,1,2,2-Tetrachloroethane	11.06	83	176272	23.79	ug/L	100

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

Data File : D:\DATA\NOV2023C\NOV30\30NOV69.D

Vial: 69

Acq On : 1 Dec 2023 9:31 am

Operator: MGC

Sample : B179170-BS1

Inst : MS-V5

Misc : 1 ;3K10022;25ML

Multiplr: 1.00

MS Integration Params: rteint.p

Quant Time: Dec 1 11:56 2023

Quant Results File: 82605C.RES

Quant Method : C:\HPCHEM\1...\82605C.M (RTE Integrator)

Title : EPA Method 8260C/D

Last Update : Thu Nov 30 12:10:48 2023

Response via : Initial Calibration

DataAcq Meth : 82605

Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
52) 1,2,3-Trichloropropane	11.11	110	46691	25.56	ug/L	98
53) n-propylbenzene	11.13	91	1532264	23.03	ug/L	91
54) bromobenzene	11.11	156	303596	23.79	ug/L	89
55) 1,3,5-trimethylbenzene	11.22	105	1159610	24.01	ug/L	96
56) 2-chlorotoluene	11.21	91	1120707	21.99	ug/L	93
57) 4-chlorotoluene	11.27	91	1009284	22.38	ug/L	95
58) tert-butylbenzene	11.42	119	1348511	24.33	ug/L	97
59) 1,2,4-trimethylbenzene	11.45	105	1117993	23.45	ug/L	93
60) sec-butylbenzene	11.54	105	1476476	23.36	ug/L	93
61) 4-isopropyltoluene	11.62	119	1210682	23.50	ug/L	94
62) 1,3-Dichlorobenzene	11.64	146	593741	22.55	ug/L	93
63) 1,4-Dichlorobenzene	11.69	146	587231	22.78	ug/L	97
64) n-butylbenzene	11.84	91	1129756	22.46	ug/L	94
65) 1,2-Dichlorobenzene	11.90	146	501987	22.26	ug/L	97
66) Hexachloroethane	12.06	117	278595	22.75	ug/L	97
67) 1,2-dibromo-3-chloropropan	12.32	75	24846	22.10	ug/L	84
68) 1,2,4-trichlorobenzene	12.78	180	290702	22.48	ug/L	96
69) hexachlorobutadiene	12.84	225	196067	23.18	ug/L	96
70) naphthalene	12.95	128	377467	20.86	ug/L	100
71) 1,2,3-trichlorobenzene	13.08	180	211703	20.03	ug/L	100

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

30NOV69.D 82605C.M

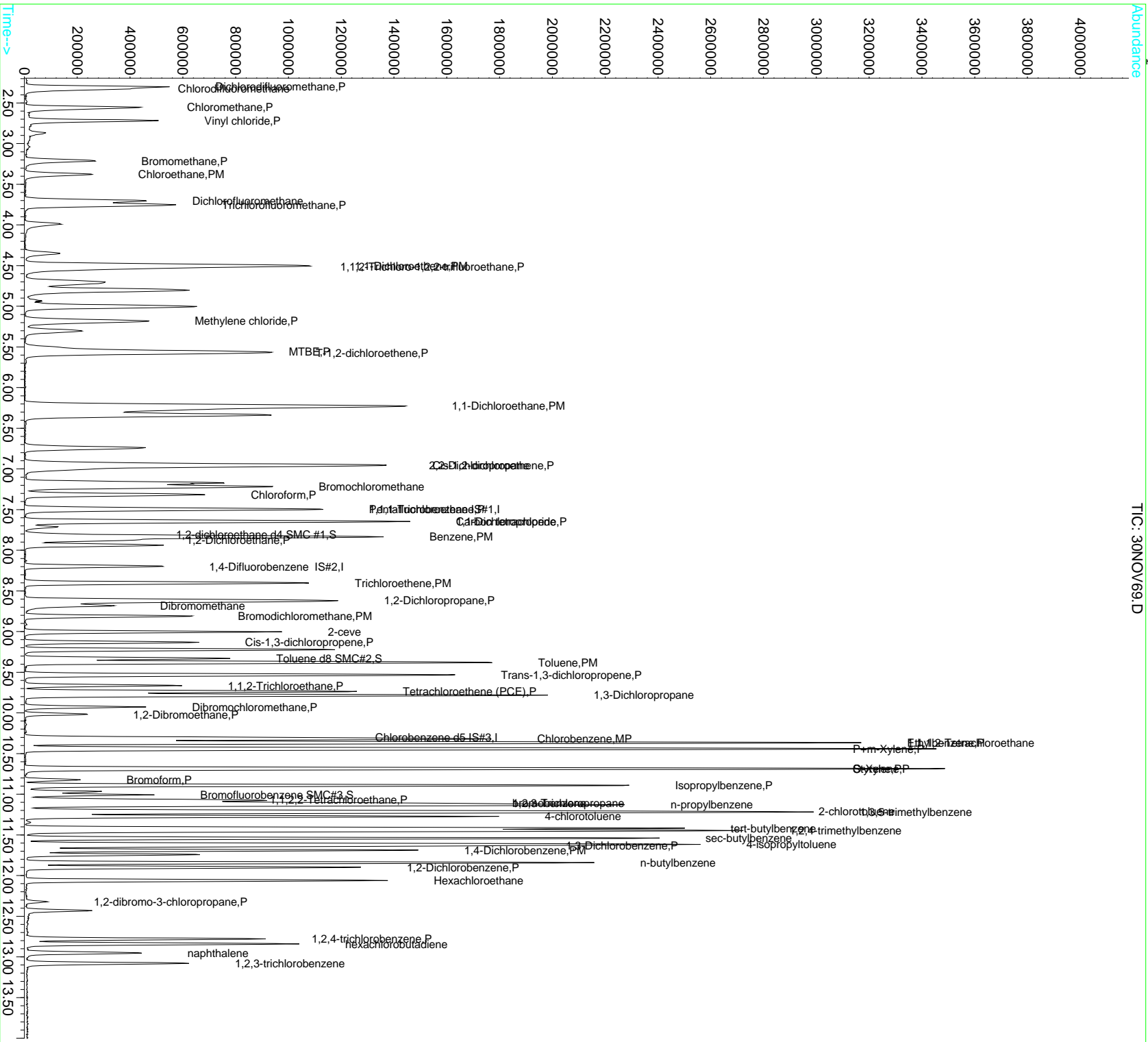
Fri Dec 01 11:57:01 2023

Data File : D:\DATA\NOV2023C\NOV30\30NOV69.D
Acq On : 1 Dec 2023 9:31 am
Sample : B179170-BS1
Misc : 1 ; 3K10022; 25ML
MS Integration Params: rteint.p
Quant Time: Dec 1 11:56 2023

Vial: 69
Operator: MGC
Inst : MS-V5
Multiplr: 1.00

Quant Results File: 82605C.RES

Method : C:\HPCHEM\1\METHODS\C\202311\26-0912\82605C.M (RTE Integrator)
Title : EPA Method 8260C/D
Last Update : Thu Nov 30 12:10:48 2023
Response via : Initial Calibration



Data File : D:\DATA\NOV2023C\NOV30\30NOV69.D
 Acq On : 1 Dec 2023 9:31 am
 Sample : B179170-BS1
 Misc : 1 ;3K10022;25ML
 MS Integration Params: rteint.p
 Quant Time: Dec 1 11:57 2023

Vial: 69
 Operator: MGC
 Inst : MS-V5
 Multiplr: 1.00

Quant Results File: 82605CX.RES

Quant Method : C:\HPCHEM\1...\82605CX.M (RTE Integrator)
 Title : EPA Method 8260C/DX
 Last Update : Fri Dec 01 08:39:53 2023
 Response via : Initial Calibration
 DataAcq Meth : 82605

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene IS#1	7.50	137	47769	10.00	ug/L	0.00
29) 1,4-Difluorobenzene IS#2	8.19	63	103667	10.00	ug/L	0.00
36) Chlorobenzene d5 IS#3	10.30	119	115415	10.00	ug/L	0.00

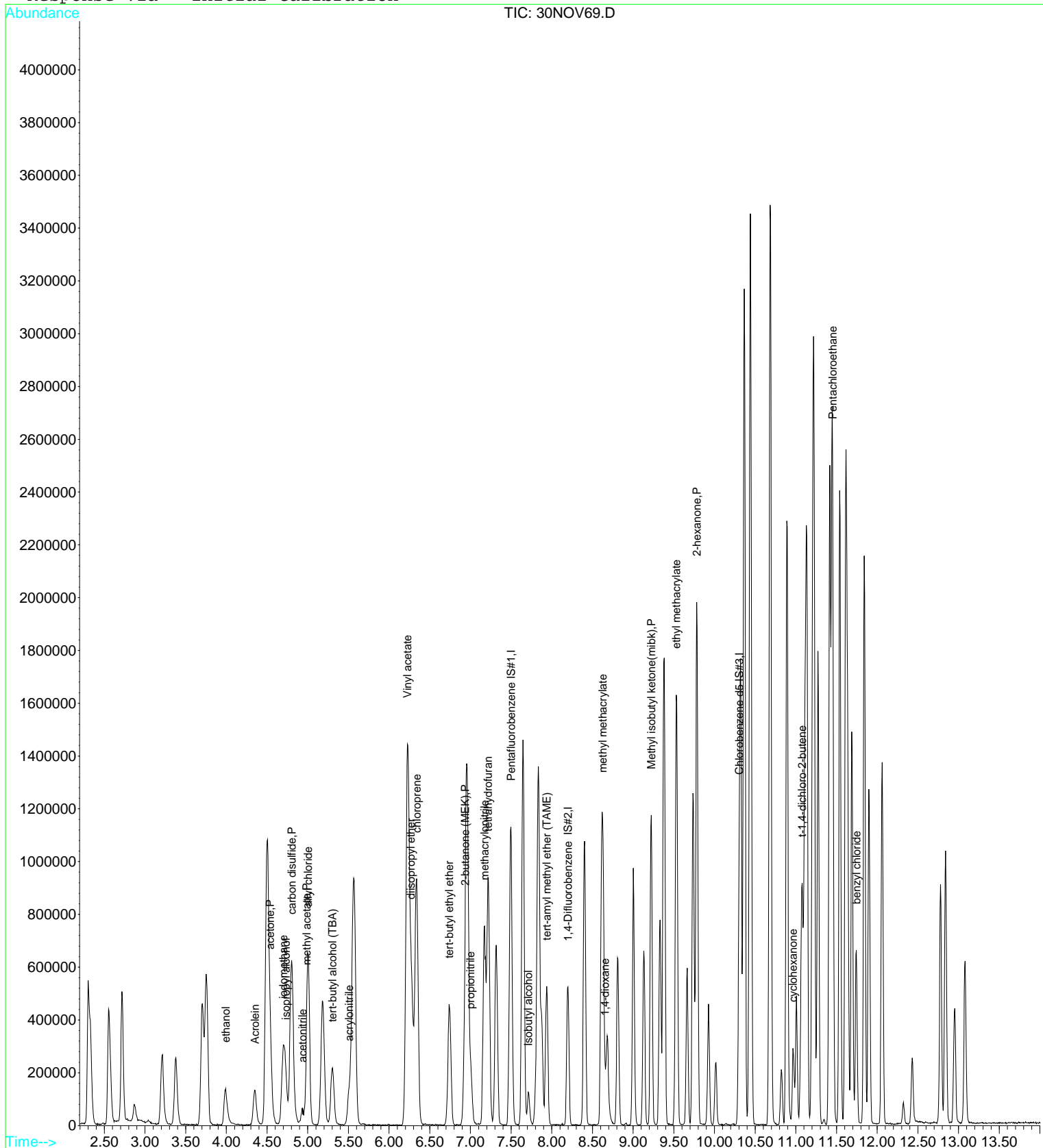
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) ethanol	3.99	45	235295	4402.88	ug/L #	80
6) isopropyl alcohol	4.73	45	249323	875.64	ug/L #	84
7) Acrolein	4.35	56	198430	288.82	ug/L	86
8) acetone	4.54	43	402509	343.32	ug/L	96
9) tert-butyl alcohol (TBA)	5.30	59	383999	872.42	ug/L	100
10) acetonitrile	4.93	41	81408	157.27	ug/L #	46
11) methyl acetate	4.98	43	34467	10.40	ug/L	94
12) allyl chloride	5.00	41	993668	33.37	ug/L	95
13) iodomethane	4.70	142	482582	25.75	ug/L	99
14) acrylonitrile	5.50	53	170625	93.68	ug/L #	91
15) carbon disulfide	4.80	76	1400778	32.35	ug/L	100
17) diisopropyl ether	6.27	87	182145	17.72	ug/L	70
18) Vinyl acetate	6.23	43	2548199	174.60	ug/L	97
19) chloroprene	6.34	53	913006	34.81	ug/L	95
20) tert-butyl ethyl ether	6.74	59	522849	17.07	ug/L	100
21) 2-butanone (MEK)	6.93	43	385792	175.30	ug/L	97
22) propionitrile	7.00	54	281612	426.55	ug/L #	79
23) Isobutyl alcohol	7.71	43	101102	442.44	ug/L #	45
24) methacrylonitrile	7.17	67	348635	165.81	ug/L	99
26) tetrahydrofuran	7.22	42	523641	364.19	ug/L	91
28) tert-amyl methyl ether (TA)	7.94	73	378145	16.16	ug/L	88
30) methyl methacrylate	8.63	69	313907	68.37	ug/L #	57
32) 1,4-dioxane	8.66	88	83675	1851.62	ug/L	93
33) Methyl isobutyl ketone(mib)	9.22	43	844248	161.50	ug/L	98
34) ethyl methacrylate	9.54	69	675649	73.57	ug/L	99
35) 2-hexanone	9.79	43	1050728	314.71	ug/L	87
38) cyclohexanone	10.97	55	137394	298.78	ug/L	96
39) t-1,4-dichloro-2-butene	11.08	75	261193m	93.17	ug/L	
41) Pentachloroethane	11.46	167	133550	17.29	ug/L #	73
42) benzyl chloride	11.74	91	490258	30.68	ug/L	100

Data File : D:\DATA\NOV2023C\NOV30\30NOV69.D
Acq On : 1 Dec 2023 9:31 am
Sample : B179170-BS1
Misc : 1 ;3K10022;25ML
MS Integration Params: rteint.p
Quant Time: Dec 1 11:57 2023

Vial: 69
Operator: MGC
Inst : MS-V5
Multiplr: 1.00

Quant Results File: 82605CX.RES

Method : C:\HPCHEM\1\METHODS\C\202311\26-1336\82605CX.M (RTE Integrator)
Title : EPA Method 8260C/DX
Last Update : Fri Dec 01 08:39:53 2023
Response via : Initial Calibration



Raw Data - Lab Control Sample Duplicate

Data File : D:\DATA\NOV2023C\NOV30\30NOV70.D
 Acq On : 1 Dec 2023 9:55 am
 Sample : B179170-BSD1
 Misc : 1 ;3K10022;25ML
 MS Integration Params: rteint.p
 Quant Time: Dec 1 11:58 2023

Vial: 70
 Operator: MGC
 Inst : MS-V5
 Multiplr: 1.00

Quant Results File: 82605C.RES

Quant Method : C:\HPCHEM\1...\82605C.M (RTE Integrator)
 Title : EPA Method 8260C/D
 Last Update : Thu Nov 30 12:10:48 2023
 Response via : Initial Calibration
 DataAcq Meth : 82605

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene IS#1	7.50	137	52275	10.00	ug/L	0.00
26) 1,4-Difluorobenzene IS#2	8.19	63	102720	10.00	ug/L	0.00
41) Chlorobenzene d5 IS#3	10.30	119	122978	10.00	ug/L	0.00

System Monitoring Compounds

23) 1,2-dichloroethane d4 SMC	7.80	65	102961	9.99	ug/L	0.00
Spiked Amount	10.000	Range	75 - 125	Recovery	=	99.90%
33) Toluene d8 SMC#2	9.33	98	510973	9.68	ug/L	0.00
Spiked Amount	10.000	Range	80 - 120	Recovery	=	96.80%
51) Bromofluorobenzene SMC#3	11.01	95	178107	10.06	ug/L	0.00
Spiked Amount	10.000	Range	80 - 120	Recovery	=	100.60%

Target Compounds

	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.30	85	521374	27.34	ug/L	98
3) Chlorodifluoromethane	2.33	51	491890	22.86	ug/L	86
4) Chloromethane	2.56	50	655398	22.92	ug/L	98
5) Vinyl chloride	2.72	62	604527	23.88	ug/L	99
6) Bromomethane	3.21	94	271081	21.31	ug/L	100
7) Chloroethane	3.38	64	324101	24.03	ug/L	98
8) Dichlorofluoromethane	3.70	67	657755	22.75	ug/L	100
9) Trichlorofluoromethane	3.76	101	643300	24.36	ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	4.51	101	356311	24.41	ug/L	99
11) 1,1-Dichloroethene	4.49	61	612801	22.41	ug/L	99
12) Methylene chloride	5.19	84	319755	23.22	ug/L	95
13) MTBE	5.55	73	569301	24.58	ug/L	98
14) T-1,2-dichloroethene	5.58	96	377151	21.60	ug/L	99
15) 1,1-Dichloroethane	6.23	63	734513	22.78	ug/L	100
16) 2,2-Dichloropropane	6.96	77	616639	21.97	ug/L	97
17) Cis-1,2-dichloroethene	6.95	96	390191	21.75	ug/L	95
18) Bromochloromethane	7.21	128	133965	22.27	ug/L	97
19) Chloroform	7.32	83	617319	22.08	ug/L	98
20) 1,1,1-Trichloroethane	7.49	97	606683	22.55	ug/L	78
21) 1,1-Dichloropropene	7.65	75	509592	22.24	ug/L	100
22) Carbon tetrachloride	7.65	119	509958	23.32	ug/L	99
24) 1,2-Dichloroethane	7.88	62	346393	24.27	ug/L	97
25) Benzene	7.83	78	1316813	21.45	ug/L	97
27) Trichloroethene	8.40	130	381975	22.88	ug/L	99
28) 1,2-Dichloropropane	8.61	63	367090	23.29	ug/L #	41
29) Dibromomethane	8.69	93	131442	23.87	ug/L	96
30) Bromodichloromethane	8.81	83	416118	23.55	ug/L	98
31) 2-ceve	9.00	63	427064	86.73	ug/L	99
32) Cis-1,3-dichloropropene	9.13	75	496251	22.91	ug/L	99
34) Toluene	9.38	92	869683	22.68	ug/L	92
35) Trans-1,3-dichloropropene	9.52	75	372938	22.68	ug/L	99
36) 1,1,2-Trichloroethane	9.66	97	191905	23.25	ug/L	99
37) Tetrachloroethene (PCE)	9.74	166	362644	23.26	ug/L	98
38) 1,3-Dichloropropane	9.78	76	325051	23.88	ug/L	98
39) Dibromochloromethane	9.93	129	242184	24.51	ug/L	95
40) 1,2-Dibromoethane	10.02	107	174024	23.42	ug/L	100
42) Chlorobenzene	10.32	112	853954	22.19	ug/L	98
43) 1,1,1,2-Tetrachloroethane	10.37	131	306136	22.26	ug/L	100
44) Ethylbenzene	10.37	106	531485	22.38	ug/L #	28
45) P+m-Xylene	10.44	106	1168089	43.38	ug/L	83
46) O-Xylene	10.68	106	603422	22.67	ug/L	92
47) Styrene	10.69	104	895172	22.00	ug/L	95
48) Bromoform	10.83	173	100297	23.18	ug/L	96
49) Isopropylbenzene	10.89	105	1412287	22.42	ug/L	91
50) 1,1,2,2-Tetrachloroethane	11.06	83	185033	23.44	ug/L	98

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

Data File : D:\DATA\NOV2023C\NOV30\30NOV70.D

Vial: 70

Acq On : 1 Dec 2023 9:55 am

Operator: MGC

Sample : B179170-BSD1

Inst : MS-V5

Misc : 1 ;3K10022;25ML

Multiplr: 1.00

MS Integration Params: rteint.p

Quant Time: Dec 1 11:58 2023

Quant Results File: 82605C.RES

Quant Method : C:\HPCHEM\1...\82605C.M (RTE Integrator)

Title : EPA Method 8260C/D

Last Update : Thu Nov 30 12:10:48 2023

Response via : Initial Calibration

DataAcq Meth : 82605

Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
52) 1,2,3-Trichloropropane	11.11	110	48772	25.06	ug/L	99
53) n-propylbenzene	11.13	91	1554200	21.56	ug/L	90
54) bromobenzene	11.11	156	313765	23.07	ug/L	89
55) 1,3,5-trimethylbenzene	11.22	105	1172964	22.53	ug/L	93
56) 2-chlorotoluene	11.21	91	1144040	21.06	ug/L	93
57) 4-chlorotoluene	11.27	91	1022493	21.28	ug/L	94
58) tert-butylbenzene	11.42	119	1358969	23.01	ug/L	98
59) 1,2,4-trimethylbenzene	11.45	105	1142153	22.28	ug/L	93
60) sec-butylbenzene	11.54	105	1495723	21.86	ug/L	92
61) 4-isopropyltoluene	11.61	119	1232148	22.21	ug/L	94
62) 1,3-Dichlorobenzene	11.64	146	618774	22.06	ug/L	95
63) 1,4-Dichlorobenzene	11.69	146	609877	22.21	ug/L	98
64) n-butylbenzene	11.84	91	1142622	21.32	ug/L	93
65) 1,2-Dichlorobenzene	11.90	146	524184	21.81	ug/L	97
66) Hexachloroethane	12.06	117	280574	21.50	ug/L	98
67) 1,2-dibromo-3-chloropropan	12.32	75	27312	22.80	ug/L	89
68) 1,2,4-trichlorobenzene	12.78	180	316009	22.93	ug/L	96
69) hexachlorobutadiene	12.84	225	213782	23.72	ug/L	99
70) naphthalene	12.95	128	431043	22.36	ug/L	100
71) 1,2,3-trichlorobenzene	13.08	180	237198	21.07	ug/L	99

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

30NOV70.D 82605C.M

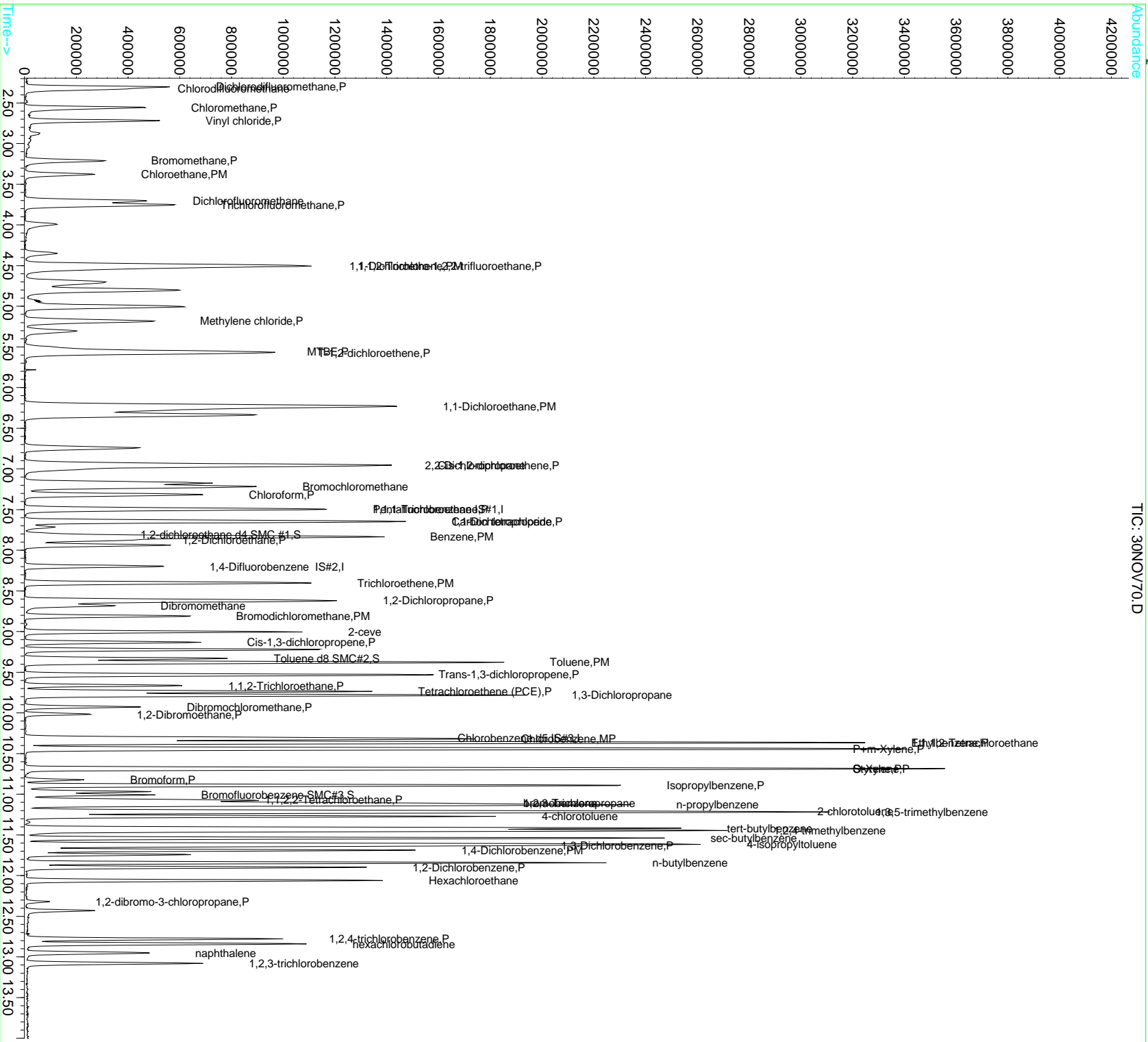
Fri Dec 01 11:59:04 2023

Data File : D:\DATA\NOV2023C\NOV30\30NOV70.D
Acq On : 1 Dec 2023 9:55 am
Sample : B179170-BSD1
Misc : 1 ; 3K10022; 25ML
MS Integration Params: rteint.p
Quant Time: Dec 1 11:58 2023

Vial: 70
Operator: MGC
Inst : MS-V5
Multiplr: 1.00

Quant Results File: 82605C.RES

Method : C:\HPCHEM\1\METHODS\C\202311\26-0912\82605C.M (RTE Integrator)
Title : EPA Method 8260C/D
Last Update : Thu Nov 30 12:10:48 2023
Response via : Initial Calibration



Data File : D:\DATA\NOV2023C\NOV30\30NOV70.D
 Acq On : 1 Dec 2023 9:55 am
 Sample : B179170-BSD1
 Misc : 1 ;3K10022;25ML
 MS Integration Params: rteint.p
 Quant Time: Dec 1 11:59 2023

Vial: 70
 Operator: MGC
 Inst : MS-V5
 Multiplr: 1.00

Quant Results File: 82605CX.RES

Quant Method : C:\HPCHEM\1...\82605CX.M (RTE Integrator)
 Title : EPA Method 8260C/DX
 Last Update : Fri Dec 01 08:39:53 2023
 Response via : Initial Calibration
 DataAcq Meth : 82605

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene IS#1	7.50	137	52275	10.00	ug/L	0.00
29) 1,4-Difluorobenzene IS#2	8.19	63	102720	10.00	ug/L	0.00
36) Chlorobenzene d5 IS#3	10.30	119	122978	10.00	ug/L	0.00

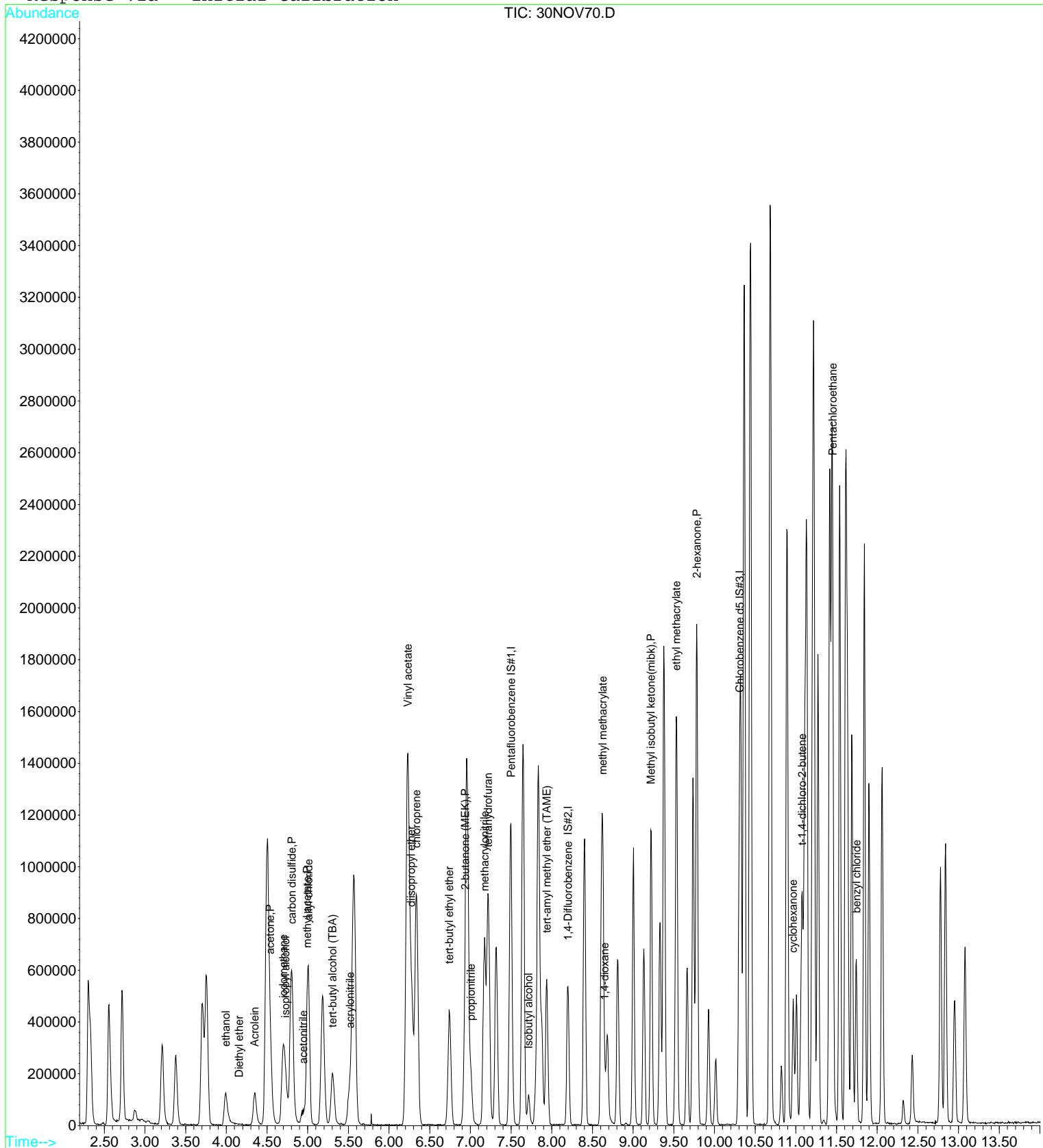
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) ethanol	3.99	45	225375	3853.74	ug/L #	80
5) Diethyl ether	4.16	59	317	0.04	ug/L #	43
6) isopropyl alcohol	4.73	45	246851	792.23	ug/L #	1
7) Acrolein	4.35	56	186208	247.67	ug/L	83
8) acetone	4.54	43	393062	306.36	ug/L	97
9) tert-butyl alcohol (TBA)	5.31	59	366775	761.46	ug/L	100
10) acetonitrile	4.95	41	75451	133.19	ug/L #	43
11) methyl acetate	4.99	43	30557	8.43	ug/L	93
12) allyl chloride	5.01	41	946940	29.06	ug/L	96
13) iodomethane	4.70	142	510675	24.90	ug/L	99
14) acrylonitrile	5.51	53	157831	79.19	ug/L #	88
15) carbon disulfide	4.80	76	1329820	28.06	ug/L	99
17) diisopropyl ether	6.27	87	178387	15.86	ug/L	67
18) Vinyl acetate	6.23	43	2513660	153.04	ug/L	97
19) chloroprene	6.33	53	858764	29.92	ug/L	97
20) tert-butyl ethyl ether	6.74	59	505340	15.07	ug/L	100
21) 2-butanone (MEK)	6.93	43	370989	154.04	ug/L	96
22) propionitrile	7.01	54	274409	379.82	ug/L #	78
23) Isobutyl alcohol	7.71	43	91583	366.23	ug/L #	51
24) methacrylonitrile	7.17	67	346246	150.48	ug/L	96
26) tetrahydrofuran	7.22	42	492476	312.99	ug/L	92
28) tert-amyl methyl ether (TA)	7.94	73	356729	13.93	ug/L	89
30) methyl methacrylate	8.63	69	307417	67.58	ug/L #	58
32) 1,4-dioxane	8.65	88	82106	1833.65	ug/L	90
33) Methyl isobutyl ketone(mib)	9.22	43	814196	156.53	ug/L	97
34) ethyl methacrylate	9.54	69	654707	71.95	ug/L	98
35) 2-hexanone	9.78	43	1019142	306.71	ug/L	88
38) cyclohexanone	10.97	55	222751	486.21	ug/L	94
39) t-1,4-dichloro-2-butene	11.08	75	224525m	75.16	ug/L	
41) Pentachloroethane	11.46	167	128624	15.63	ug/L	88
42) benzyl chloride	11.74	91	478698	28.12	ug/L	99

Data File : D:\DATA\NOV2023C\NOV30\30NOV70.D
Acq On : 1 Dec 2023 9:55 am
Sample : B179170-BSD1
Misc : 1 ;3K10022;25ML
MS Integration Params: rteint.p
Quant Time: Dec 1 11:59 2023

Vial: 70
Operator: MGC
Inst : MS-V5
Multiplr: 1.00

Quant Results File: 82605CX.RES

Method : C:\HPCHEM\1\METHODS\C\202311\26-1336\82605CX.M (RTE Integrator)
Title : EPA Method 8260C/DX
Last Update : Fri Dec 01 08:39:53 2023
Response via : Initial Calibration



Raw Data - Batch Information

PREPARATION BENCH SHEET

B179170

Pace Analytical - Bakersfield

Printed: 12/7/2023 8:41:11AM

Matrix: Water

Prepared using: Volatiles - GC/MS - EPA 5030 Water MS

SurrogateUsed: 3127006

Lab Number	Analysis	Prepared	By	Initial (ml)	Final (ml)	Spike ID	Source ID	ul Spike	ul Surrogate	% Solids
2322252-01 A	8260C_w_Full QC Navy	11/30/2023 11:09AM	MGC	25	25				2	
2322252-02 A	8260C_w_Full QC Navy	11/30/2023 11:09AM	MGC	25	25				2	
2322252-03 A	8260C_w_Full QC Navy	11/30/2023 11:09AM	MGC	25	25				2	
2322252-04 A	8260C_w_Full QC Navy	11/30/2023 11:09AM	MGC	25	25				2	
2322252-05 A	8260C_w_Full QC Navy	11/30/2023 11:09AM	MGC	25	25				2	
2322252-06 A	8260C_w_Full QC Navy	11/30/2023 11:09AM	MGC	25	25				2	
2322252-07 A	8260C_w_Full QC Navy	11/30/2023 11:09AM	MGC	25	25				2	
2322252-08 A	8260C_w_Full QC Navy	11/30/2023 11:09AM	MGC	25	25				2	
2322252-09 A	8260C_w_Full QC Navy	11/30/2023 11:09AM	MGC	25	25				2	
2322252-10 A	8260C_w_Full QC Navy	11/30/2023 11:09AM	MGC	25	25				2	
2322252-11 A	8260C_w_Full QC Navy	11/30/2023 11:09AM	MGC	25	25				2	
2322252-12 A	8260C_w_Full QC Navy	11/30/2023 11:09AM	MGC	25	25				2	
2322252-13 A	8260C_w_Full QC Navy	11/30/2023 11:09AM	MGC	25	25				2	
B179170-BLK1	QC	11/30/2023 11:09AM	MGC	25	25				2	
B179170-BS1	QC	11/30/2023 11:09AM	MGC	25	25	3K10022		12.5	2	
B179170-BSD1	QC	11/30/2023 11:09AM	MGC	25	25	3K10022		12.5	2	
B179170-MS1	QC	11/30/2023 11:09AM	MGC	25	25	3K10022	2322252-11	12.5	2	
B179170-MSD1	QC	11/30/2023 11:09AM	MGC	25	25	3K10022	2322252-11	12.5	2	

Surrogate Mixes	Description	Solvent	Prepared	Expires
3127006	8260 V5 WORK SURR. STD BATCH	Methanol VRL-18-7082	9/27/2023 7 by Miguel Chavez	12/27/2023
3K10022	8260 V5 I SPIKE COMBO	meoh	11/10/2023 by Miguel Chavez	2/10/2024

Raw Data - Sequence Information

ANALYSIS SEQUENCE

2317835

Instrument: MS-V5
Calibration ID: 2312004

Sequence Date: 11/26/2023

Printed: 12/7/2023 8:41:11AM

Lab Number	Analysis	Container	Order	Position	STD ID	ISTD ID	Comments
2317835-TUN1	QC		1		3I28003		
2317835-CAL1	QC		2		3K26001		
2317835-CAL2	QC		3		3K26002		
2317835-CAL3	QC		4		3K26003		
2317835-CAL4	QC		5		3K26004		
2317835-CAL5	QC		6		3K26005		
2317835-CAL6	QC		7		3K26006		
2317835-CAL7	QC		8		3K26008		
2317835-CAL8	QC		9		3K26009		
2317835-CAL9	QC		10		3K26010		
2317835-CALA	QC		11		3K26011		
2317835-CALB	QC		12		3K26012		
2317835-CALC	QC		13		3K26013		
2317835-TUN2	QC		14		3I28003		
2317835-CALD	QC		15		3K26015		
2317835-CALE	QC		16		3K26016		
2317835-CALF	QC		17		3K26017		
2317835-CALG	QC		18		3K26018		
2317835-CALH	QC		19		3K26019		
2317835-CALI	QC		20		3K26020		

ANALYSIS SEQUENCE

2317843

Instrument: MS-V5
Calibration ID: 2312004

Sequence Date: 11/30/2023

Printed: 12/7/2023 8:41:11AM

Lab Number	Analysis	Container	Order	Position	STD ID	ISTD ID	Comments
2317843-ICV1	QC		1		3K26007		
2317843-ICB1	QC		2		3I27027		
2317843-ICV2	QC		3		3K26014		
2317843-ICB2	QC		4		3I27027		
2317843-TUN1	QC		5		3I28003		
2317843-CCV1	QC		6		3K21029		
2317843-CCV2	QC		7		3K10017		
2317843-CCB1	QC		8		3I27027		
2322252-01	8260C_w_Full QC Navy	A	9			3I27005	
2322252-02	8260C_w_Full QC Navy	A	10			3I27005	
2322252-03	8260C_w_Full QC Navy	A	11			3I27005	
2322252-04	8260C_w_Full QC Navy	A	12			3I27005	
2322252-05	8260C_w_Full QC Navy	A	13			3I27005	
2322252-06	8260C_w_Full QC Navy	A	14			3I27005	
2322252-07	8260C_w_Full QC Navy	A	15			3I27005	
2322252-08	8260C_w_Full QC Navy	A	16			3I27005	
2322252-09	8260C_w_Full QC Navy	A	17			3I27005	
2317843-TUN2	QC		18		3I28003		
2317843-CCV3	QC		19		3K21029		
2317843-CCV4	QC		20		3K10017		
2317843-CCB2	QC		21		3I27027		
B179170-BLK1	QC		22			3I27005	
2322252-11	8260C_w_Full QC Navy	A	23			3I27005	
2322252-10	8260C_w_Full QC Navy	A	24			3I27005	
2322252-12	8260C_w_Full QC Navy	A	25			3I27005	
2322252-13	8260C_w_Full QC Navy	A	26			3I27005	
B179170-BS1	QC		27			3I27005	
B179170-BSD1	QC		28			3I27005	
B179170-MS1	QC		29			3I27005	
B179170-MSD1	QC		30			3I27005	
2317843-TUN3	QC		31		3I28003		
2317843-CCV5	QC		32		3K21029		
2317843-CCV6	QC		33		3K10017		
2317843-CCB3	QC		34		3I27027		

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

Reported: 12/7/2023 8:41:11AM
Project: Former USDB Lompoc
Project Number: 21044.006.01.000
Project Manager: Sommer Carter

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

January 3, 2024

SUBJECT: USDB Lompoc - Data Validation

Dear Ms. Bage,

Enclosed are the final validation reports for the fraction listed below. This SDG was received on December 11, 2023. Attachment 1 is a summary of the samples that were reviewed for each analysis.

LDC Project #57969:

<u>SDG #</u>	<u>Fraction</u>
2322252	Volatiles

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

- Quality Assurance Project Plan/Work Plan, Environmental 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 Environmental 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
pgeng@lab-data.com
Project Manager/Senior Chemist

LDC Report# 57969

**Automated Data Review Data Validation Report
USDB Lompoc**

Sample Delivery Group(s)
2322252

January 2, 2024

Introduction

This Data Validation Report (DVR) presents data validation findings and results for the associated samples collected during the November 2023 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.

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

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

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

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

Continuing Calibration

Continuing calibration was performed at the required frequencies.

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

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 sample results were not detected or were significantly greater than the concentrations found in the trip blank, therefore no data were qualified. The details are presented in Enclosure I. The trip blank outlier reports are presented in Enclosure I.

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

Surrogate Spikes

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

Matrix Spike/Matrix Spike Duplicates

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

Laboratory Control Samples

Laboratory control samples (LCS) and laboratory control sample duplicates (LCSD) were analyzed as required by the methods. 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. No results were recommended for exclusion in this SDG.

Data flags are summarized and are presented as Attachment 2.

Attachment 1
Sample Cross Reference

Sample Cross Reference

Date Collected	Field Sample ID	Lab Sample ID	Sample Type	Prep Method	Analytical Method	Review Level
27-Nov-2023	WR-MW-01B-1123-N	2322252-02	N	5030	8260C	Stage 2B
27-Nov-2023	WR-MW-01-1123-N	2322252-01	N	5030	8260C	Stage 4
27-Nov-2023	WR-MW-05A-1123-N	2322252-05	N	5030	8260C	Stage 2B
27-Nov-2023	WR-MW-09A-1123-N	2322252-07	N	5030	8260C	Stage 2B
28-Nov-2023	WR-MW-10A-1123-N	2322252-08	N	5030	8260C	Stage 4
28-Nov-2023	MW12A-1123-TB	2322252-13	TB	5030	8260C	Stage 2B
28-Nov-2023	WR-MW-04A-1123-N	2322252-04	N	5030	8260C	Stage 2B
28-Nov-2023	WR-MW-11A-1123-N	2322252-09	N	5030	8260C	Stage 2B
28-Nov-2023	WR-MW-12A-1123-N	2322252-11	N	5030	8260C	Stage 2B
28-Nov-2023	WR-MW-12A-1123-NMS	B179170-MS1	MS	5030	8260C	Stage 2B
28-Nov-2023	WR-MW-12A-1123-NMSD	B179170-MSD1	MSD	5030	8260C	Stage 2B
28-Nov-2023	WR-MW-08A-1123-D	2322252-10	FD	5030	8260C	Stage 2B
28-Nov-2023	WR-MW-08A-1123-N	2322252-06	N	5030	8260C	Stage 2B
28-Nov-2023	MW01A-1123-FB	2322252-12	FB	5030	8260C	Stage 2B
28-Nov-2023	WR-MW-02-1123-N	2322252-03	N	5030	8260C	Stage 2B

Attachment 2

Overall Data Qualification Summary

Data Qualifier Summary

Lab Reporting Batch ID: 2322252

Laboratory: BC Labs

EDD Filename: EDD_2322252_ADR_

eQAPP Name: AHTNA_Lompoc_211124

Method Category:	VOA	
Method:	8260C	Matrix: AQ

Sample ID: MW12A-1123-TB		Collected: AM			Analysis Type: RES			Dilution: 1	
11/28/2023 8:00:00									
Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
TOLUENE	0.17	J	0.16	LOD	0.50	LOQ	ug/L	J	RI

Sample ID: WR-MW-01B-1123-N		Collected: PM			Analysis Type: RES			Dilution: 1	
11/27/2023 2:00:00									
Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
BENZENE	0.11	J	0.16	LOD	0.50	LOQ	ug/L	J	RI

Sample ID: WR-MW-02-1123-N		Collected: AM			Analysis Type: RES			Dilution: 1	
11/28/2023 10:50:00									
Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
TRICHLOROETHENE	0.18	J	0.16	LOD	0.50	LOQ	ug/L	J	RI

Sample ID: WR-MW-05A-1123-N		Collected: PM			Analysis Type: RES			Dilution: 1	
11/27/2023 3:45:00									
Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
TETRACHLOROETHENE	0.21	J	0.30	LOD	0.50	LOQ	ug/L	J	RI

Sample ID: WR-MW-09A-1123-N		Collected: PM			Analysis Type: RES			Dilution: 1	
11/27/2023 4:10:00									
Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
TETRACHLOROETHENE	0.24	J	0.30	LOD	0.50	LOQ	ug/L	J	RI
TRICHLOROETHENE	0.35	J	0.16	LOD	0.50	LOQ	ug/L	J	RI
VINYL CHLORIDE	0.11	J	0.16	LOD	0.50	LOQ	ug/L	J	RI

Sample ID: WR-MW-10A-1123-N		Collected: AM			Analysis Type: RES			Dilution: 1	
11/28/2023 7:35:00									
Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
TRANS-1,2-DICHLOROETHENE	0.12	J	0.16	LOD	0.50	LOQ	ug/L	J	RI

* denotes a non-reportable result

Project Name and Number: 2322252 - Former USDB Lompoc

Data Qualifier Summary

Lab Reporting Batch ID: 2322252

Laboratory: BC Labs

EDD Filename: EDD_2322252_ADR_

eQAPP Name: AHTNA_Lompoc_211124

Reason Code Legend

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

* denotes a non-reportable result

Project Name and Number: 2322252 - Former USDB Lompoc

1/2/2024 8:43:43 AM

ADR version 1.9.0.325

Page 2 of 2

Enclosure I
Validation Outlier Reports

Quality Control Outlier Reports

2322252

Reporting Limit Outliers

Lab Reporting Batch ID: 2322252

Laboratory: BC Labs

EDD Filename: EDD_2322252_ADR_

eQAPP Name: AHTNA_Lompoc_211124

Method: 8260C
Matrix: AQ

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
MW12A-1123-TB	TOLUENE	J	0.17	0.50	LOQ	ug/L	J (all detects)
WR-MW-01B-1123-N	BENZENE	J	0.11	0.50	LOQ	ug/L	J (all detects)
WR-MW-02-1123-N	TRICHLOROETHENE	J	0.18	0.50	LOQ	ug/L	J (all detects)
WR-MW-05A-1123-N	TETRACHLOROETHENE	J	0.21	0.50	LOQ	ug/L	J (all detects)
WR-MW-09A-1123-N	TETRACHLOROETHENE	J	0.24	0.50	LOQ	ug/L	J (all detects)
	TRICHLOROETHENE	J	0.35	0.50	LOQ	ug/L	
	VINYL CHLORIDE	J	0.11	0.50	LOQ	ug/L	
WR-MW-10A-1123-N	TRANS-1,2-DICHLOROETHENE	J	0.12	0.50	LOQ	ug/L	J (all detects)

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	★	
II.	GC/MS Instrument performance check	★	
III.	Initial calibration/ICV	★ ★	RSD ≤ 15%. Y ² 10V ≤ 29%
IV.	Continuing calibration <i>Ken Jiz</i>	★	Δ ≤ 20/50%
V.	Laboratory Blanks	★	
VI.	Field blanks	SW	FB = 12*. TB = 17 (cc = detg)
VII.	Surrogate spikes	★	
VIII.	Matrix spike/Matrix spike duplicates	★	
IX.	Laboratory control samples	★	LC = 0
X.	Field duplicates	ND	Δ = 0 + 0
XI.	Internal standards	★	
XII.	Target analyte quantitation	★	Reviewed for Stage 4 validation
XIII.	Target analyte identification	★	Reviewed for Stage 4 validation
XIV.	Overall assessment of data	★	

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	WR-MW-01-1123-N**	2322250-01**	Water	11/27/23
2	WR-MW-01B-1123-N	2322250-02	Water	11/27/23
3	WR-MW-02-1123-N	2322250-03	Water	11/28/23
4	WR-MW-04A-1123-N	2322250-04	Water	11/28/23
5	WR-MW-05A-1123-N	2322250-05	Water	11/29/23
6	WR-MW-08A-1123-N <i>Δ</i>	2322250-06	Water	11/28/23
7	WR-MW-09A-1123-N	2322250-07	Water	11/29/23
8	WR-MW-10A-1123-N**	2322250-08**	Water	11/28/23
9	WR-MW-11A-1123-N	2322250-09	Water	11/28/23
10	WR-MW-08A-1123-D <i>Δ</i>	2322250-10	Water	11/28/23
11	WR-MW-12A-1123-N	2322250-11	Water	11/28/23
12	MW-01-1123-FB	2322250-12	Water	11/28/23
13	MW-12A-1123-TB	2322250-13	Water	11/27/23
14	WR-MW-12A-1123-NMS	2322250-11MS	Water	11/28/23
15	WR-MW-12A-1123-NMSD	2322250-11MSD	Water	11/28/23

LDC #: 57969A1a

VALIDATION COMPLETENESS WORKSHEET

SDG #: 2322252

ADR/Stage 4

Laboratory: Pace Analytical Environmental Sciences, Bakersfield, CA

Date: 1/2/3

Page: 2 of 2

Reviewer: [Signature]

2nd Reviewer: _____

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

	Client ID	Lab ID	Matrix	Date
16				
17				
18				

Notes:

<u>BIT9170</u>				

Method: Volatiles (EPA SW 846 Method 8260B)

Validation Area	Yes	No	NA	Findings/Comments
I. Technical holding times				
Were all technical holding times met?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Was cooler temperature criteria met?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
II. GC/MS Instrument performance check				
Were the BFB performance results reviewed and found to be within the specified criteria?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Were all samples analyzed within the 12 hour clock criteria?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
IIIa. Initial calibration				
Did the laboratory perform a 5 point calibration prior to sample analysis?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Were all percent relative standard deviations (%RSD) and relative response factors (RRF) within method criteria for all CCCs and SPCCs?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Was a curve fit used for evaluation? If yes, did the initial calibration meet the curve fit acceptance criteria of ≥ 0.990 ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Were all percent relative standard deviations (%RSD) $\leq 30\%/15\%$ and relative response factors (RRF) > 0.05 ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
IIIb. Initial Calibration Verification				
Was an initial calibration verification standard analyzed after each initial calibration for each instrument?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Were all percent differences (%D) $\leq 20\%$?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
IV. Continuing calibration				
Was a continuing calibration standard analyzed at least once every 12 hours for each instrument?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Were all percent differences (%D) and relative response factors (RRF) within method criteria for all CCCs and SPCCs?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Were all percent differences (%D) $\leq 20\%$ and relative response factors (RRF) ≥ 0.05 ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
V. Laboratory Blanks				
Was a laboratory blank associated with every sample in this SDG?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Was a laboratory blank analyzed at least once every 12 hours for each matrix and concentration?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Was there contamination in the laboratory blanks?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
VI. Field blanks				
Were field blanks were identified in this SDG?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Were target compounds detected in the field blanks?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
VII. Surrogate spikes				
Were all surrogate percent recovery (%R) within QC limits?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
If the percent recovery (%R) for one or more surrogates was out of QC limits, was a reanalysis performed to confirm samples with %R outside of criteria?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	

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

TARGET 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 chloride	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. Methylcyclohexane	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. 2-Propanol
Z. 2-Hexanone	ZZ. 2-Chlorotoluene	ZZZ. tert-Butyl alcohol	ZZZZ. Pentachloroethane	Z1.

VALIDATION FINDINGS WORKSHEET Initial Calibration Calculation Verification

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

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	KAZ	11/06/27	QRR (1st internal standard)	3.525995	3.525995	3.43184	3.43184	11.0825	11.082
			S (2nd internal standard)	1.641138	1.641138	1.625525	1.625525	6.44263	6.443
			X (3rd internal standard)	0.3525915	0.3525915	0.3518369	0.3518369	6.08427	6.084
			(4th internal standard)						
2			(1st internal standard)						
			(2nd internal standard)						
			(3rd internal standard)						
			(4th internal standard)						
3			(1st internal standard)						
			(2nd internal standard)						
			(3rd internal standard)						
			(4th internal standard)						
4			(1st internal standard)						
			(2nd internal standard)						
			(3rd internal standard)						
			(4th internal standard)						

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

VALIDATION FINDINGS WORKSHEET Continuing Calibration Results Verification

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

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	30ND131	11/30/13	QQA (1st internal standard)	3.43124	3.150851	3.150851	8.2	8.2
			S (2nd internal standard)	1.62555	1.573669	1.573669	3.2	3.2
			X (3rd internal standard)	0.751828	0.338609	0.310846	3.85	5.4
			(4th internal standard)		0.310846			
2			(1st internal standard)					
			(2nd internal standard)					
			(3rd internal standard)					
			(4th internal standard)					
3			(1st internal standard)					
			(2nd internal standard)					
			(3rd internal standard)					
			(4th internal standard)					
4			(1st internal standard)					
			(2nd internal standard)					
			(3rd internal standard)					
			(4th internal standard)					

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

VALIDATION FINDINGS WORKSHEET
Surrogate Results Verification

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

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: 8

	Surrogate Spiked	Surrogate Found	Percent Recovery Reported	Percent Recovery Recalculated	Percent Difference
Dibromofluoromethane					
1,2-Dichloroethane-d4	10.0	10.54	105	105	
Toluene-d8	✓	9.63	96.3	96.3	
Bromofluorobenzene	✓	10.07	101	101	

Sample ID: _____

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

Sample ID: _____

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

Sample ID: _____

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

Sample ID: _____

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

VALIDATION FINDINGS WORKSHEET
Matrix Spike/Matrix Spike Duplicates Results Verification

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

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

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

Where: SSC = Spiked sample concentration
 SA = Spike added

SC = Sample concentration

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

MSC = Matrix spike concentration

MSDC = Matrix spike duplicate concentration

MS/MSD sample: 14/15

Compound	Spike Added		Sample Concentration	Spiked Sample Concentration		Matrix Spike		Matrix Spike Duplicate		MS/MSD	
	MS	MSD		MS	MSD	Percent Recovery		Percent Recovery		RPD	
						Reported	Recalc.	Reported	Recalc.	Reported	Recalculated
1,1-Dichloroethene	25.0	25.0	ND	25.41	25.73	102	102	103	103	1.25	1.25
Trichloroethene	↓	↓	0.63	25.84	24.02	101	101	93.6	93.6	7.30	7.30
Benzene	↓	↓	ND	24.01	24.59	96.0	96.0	98.4	98.4	2.39	2.39
Toluene	↓	↓	↓	24.39	22.93	97.6	97.6	91.7	91.7	6.17	6.17
Chlorobenzene											

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

VALIDATION FINDINGS WORKSHEET Laboratory Control Sample Results Verification

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

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

% Recovery = $100 * SSC/SA$

Where: SSC = Spiked sample concentration
SA = Spike added

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

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

LCS ID: BT9170-B51-B501

Compound	Spike Added (<u>μL</u>)		Spiked Sample Concentration (<u>μg/L</u>)		LCS		LCSD		LCS/LCSD	
	LCS	LCSD	LCS	LCSD	Percent Recovery		Percent Recovery		RPD	
					Reported	Recalc.	Reported	Recalc.	Reported	Recalculated
1,1-Dichloroethene	<u>25.0</u>	<u>25.0</u>	<u>24.33</u>	<u>22.41</u>	<u>97.3</u>	<u>97.3</u>	<u>89.6</u>	<u>89.6</u>	<u>8.22</u>	<u>8.22</u>
Trichloroethene	↓	↓	<u>22.05</u>	<u>22.88</u>	<u>88.2</u>	<u>88.2</u>	<u>91.5</u>	<u>91.5</u>	<u>3.69</u>	<u>3.69</u>
Benzene	↓	↓	<u>23.33</u>	<u>21.45</u>	<u>93.3</u>	<u>93.3</u>	<u>85.8</u>	<u>85.8</u>	<u>8.40</u>	<u>8.40</u>
Toluene	↓	↓	<u>21.90</u>	<u>22.68</u>	<u>87.0</u>	<u>87.0</u>	<u>90.7</u>	<u>90.7</u>	<u>3.50</u>	<u>3.50</u>
Chlorobenzene										

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.

Attachment 3. Regulator Comments

Review Comments			
Project	Lompoc Washrack Site		
Document	Draft-Final 2023 Second Semiannual Groundwater Monitoring Report, Washrack Site, Lompoc, California	Date	September 2024
Contractor	Ahtna Global, LLC		
Contract No.	W912PL18D0044		
Delivery Order	W912PL21F0041		

Reviewer	Bryan Little, Central Coast Water Board		Date	09/04/24	Date	9/11/24
No.	Reference (page/para.)	Review Comment	Response			
1	Section 3.1, Current Monitoring Program; paragraph 4	The sentence discusses the use of passive diffusion bags (PDBs) since 2016 due to low water levels. Comment: Water levels have returned to background (pre-2016 drought) levels. Are PDBs still the best method? Should a comparison at select wells be performed? Water Board staff typically accept low-flow sampling, hydrasleeve, snap sampler, and volume purge. Note that for a comparison some sampling types such as hydrasleeve would need to be deployed ~2 weeks early.	<p>Concur. A recommendation to evaluate alternatives to PDB sampling given the increasing groundwater elevation trend has been added to Section 5.0 (Conclusions and Recommendations).</p> <p>Added the following sentence to Section 5:</p> <p>“However, due to the increase in groundwater elevations to pre-2016 levels (Appendix C), alternative sampling methods, such as low-flow and hydrasleeve sampling, should be evaluated as alternatives to PDB sampling.”</p>			
2	Section 5.0, Conclusions and Recommendations; Bullet No. 1	The sentence states that at least one constituent has exceeded its MCL in the past 4 semiannual sampling events, including the perimeter wells the west, north and east. Comment: Please specify the perimeter wells this statement applies to.	<p>Concur. Added the following sentence to Section 5.0 to specify which perimeter wells had exceedances and when:</p> <p>“This includes the following perimeter wells: WR-MW-01 to the east (2022 second semiannual and 2023 first</p>			

Reviewer	Bryan Little, Central Coast Water Board		Date	09/04/24	Date	9/11/24
No.	Reference (page/para.)	Review Comment	Response			
			semiannual), WR-MW-02 to the east (both events in 2023) WR-MW-04A to the northwest (all 4 events), WR-MW-09A to the north (both events in 2022 and the first semiannual in 2023), and WR-MW-10A to the north (2022 second semiannual and 2023 first semiannual)."			
3	Section 5.0, Conclusions and Recommendations; paragraph 3	The recommendation to investigate obstructions in MW-01 and MW-02 with a downhole camera. Comment: It is Water Board staff's understanding that this occurred, and it was determined, that a bent well casing was the "obstruction", as is stated in the sentence following the subject sentence. Please correct us if this understanding is incorrect.	Correct. The downhole camera inspection was done during the 2024 first semiannual event and is further discussed in the 2024 First Semiannual Report. No damage or physical obstruction was observed in the well, and it's presumed the casing is only slightly bent. The sentence has been revised to "potential," and the paragraph has been revised to include the response to Comment #1.			
4	Section 5.0, Conclusions and Recommendations; paragraph 4	The same sentence was flagged in the Proposed Plan, recommend changing it here for clarification and consistency to match the revision in the PP - A <i>groundwater sampling optimization plan was developed in 2022 to evaluate the current motoring program data and provide recommendations for optimizing the program to meet site closure</i>	Corrected, thank you. The first sentence has been updated to: "A Groundwater Sampling Optimization Plan was developed in 2022 to evaluate the current monitoring program data and provide recommendations for optimizing the program to meet site closure requirements."			
5	Appendix C. Time Series Plots, figure C-3; WR-MW-04A	Water Board staff note, albeit at low concentrations, there appears to be an increasing PCE trend related to increasing GW levels.	Acknowledged, this trend will be closely monitored going forward.			