2022 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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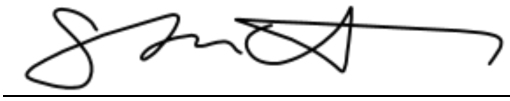

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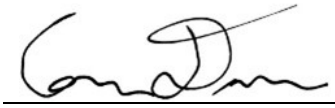

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Acronyms and Abbreviations

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

1.0 Introduction

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

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

2.0 Background

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

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

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

The Greaserack Site, considered part of the Washrack Site, is located approximately 100 ft south of the concrete wash pad. This area was also used to clean and service USDB, and later BOP, vehicles. Equipment was removed, the area was paved, and 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 located in the northern Lompoc Plain and rolling hills of the Lompoc Upland. The Lompoc Upland borders the Lompoc Plain to the north in the vicinity of the Complex. The Lompoc Valley in the Lompoc Plain is open west to the Pacific Ocean. The valley and its coastline are underlain by unconsolidated deposits, including terrace deposits (0 to 150 ft thick), the Orcutt Sand (0 to 300 ft thick), and the Careaga Sand (450 to 1,000 ft thick). Ground surface elevations across the FCC range from 40 ft above mean sea level (amsl) on the Lompoc Plain to 130 ft amsl in the Lompoc Upland. The Site topography generally slopes toward the south (toward the Santa Ynez River) with southerly flowing drainages.

Monitoring wells drilled into the Lompoc Plain indicate alluvium consisting of silty sand and sandy clay extending to over 40 ft below ground surface (bgs). Monitoring wells drilled in the Lompoc Upland are underlain by sand or gravelly sand to the depths explored (140 ft bgs). Published geologic maps suggest

that the geologic units underlying the Upland area include terrace deposits, the Orcutt Sand, and the Careaga Sand.

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

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

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

2.2 Previous Investigations and Cleanup

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

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

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

the start-up and preliminary data of the ERD program were presented in the *Final Enhanced Reductive Dechlorination Start-up Report for the Washrack and Farm Fuel Sites* (Arcadis, 2004a).

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

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

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

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

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

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

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

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

2.3 Contaminants of Concern

The contaminants of concern (COCs) for the Washrack Site are PCE, TCE, and their degradation products. This report shows that COCs are present in the groundwater at concentrations exceeding MCLs.

Table 2-1. Maximum Contaminant Levels

			MCL (µg/L)	
Contaminant	**Short Name**	**CAS No.**	**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 (USEPA, 2022)
µg/L micrograms per liter
CAS Chemical Abstract Service Number

2.4 Other Contaminants

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

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

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

Notes:
[1] Environmental Screening levels (RWCQB, 2023)
[2] National Primary Drinking Water Regulations (USEPA, 2022)
CA MCL California Maximum Contaminant Level
µg/L micrograms per liter

3.0 Groundwater Monitoring Methods and Procedures

The 2022 second semiannual groundwater monitoring fieldwork was conducted on November 29, 2022. Fieldwork was performed according to the requirements specified in the following project plans:

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

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

3.1 Current Monitoring Program

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

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 for water levels only. Sampling is performed once per year in the fourth quarter at well WR-MW-01B. The remaining nine wells are sampled for VOCs semiannually (typically second and fourth quarters).

Due to low water levels in many wells at the Washrack Site, sampling has been performed using passive diffusion bags (PDBs) since 2016 (ERRG, 2016). Sampling was not performed in 2015 and has not been able to be performed for non-VOC analyses since 2014.

3.2 Well Inspections

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

1. Soil removal from well boxes is needed at WR-MW-09A and WR-MW-10A.
2. All wells require maintenance to prevent soil and water infiltration into the well boxes:
    a. Gaskets are non-functional at all wells
    b. Bolt holes are stripped at WR-MW-02
    c. Well lid tabs are stripped at seven wells: WR-MW-01, WR-MW-01B, WR-MW-02, WR-MW-05A, WR-MW-07A, WR-MW-10A, and WR-MW-11A

Previous field notes documented obstructions in monitoring wells WR-MW-01 and WR-MW-02. The obstructions are assumed to be due to bent well casings, because 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 in this event.

No maintenance was performed during this event. Repairs are expected to be performed during the 2023 second semiannual Event. Ongoing maintenance of the monitoring wells is recommended to maintain functionality.

3.3 Water Level Measurements

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

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

3.4 Passive Diffusion Bag Sampling

During the 2022 first semiannual groundwater monitoring event (June 2022), PDBs were installed in ten wells. On November 29, 2022, the PDBs were retrieved, and VOC samples were collected by directly discharging groundwater into laboratory-provided sample containers. The period between sampling events met and surpassed the necessary equilibration times for Site COCs (USGS, 2001). Following sample collection, new PDBs were installed for the 2023 first semiannual event. New PDBs, pre-filled with deionized water, were set and submerged in the nine monitoring wells scheduled for sampling. 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

The USACE three phases of construction quality control (QC)—preparatory, initial, and follow-up—were implemented for the fieldwork. A preparatory phase meeting to confirm understanding of the scope of work was held between Ahtna and USACE representatives before beginning fieldwork. The field event lasted one day, so a single initial phase inspection was performed in addition to a single follow-up phase inspection. The Field QC Manager documented the elements reviewed on the appropriate inspection forms (Appendix A).

QC samples were collected per the QAPP/WP (Ahtna, 2021b). QC samples included one field duplicate, one field blank, and one matrix spike/matrix spike duplicate pair. Additionally, one trip blank was packed into the sample cooler 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 2022 second semiannual event.

Supporting data includes:

Table 1— Groundwater elevations

Table 2 — List of the wells sampled, and analyses performed

Table 3 — Laboratory results for VOCs

Table 4 — Laboratory results for COCs

Figure 3 —Potentiometric Surface Map and COC Results

Appendix B — Historical monitoring data

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

4.1 Groundwater Gradient and Flow Direction

In Aquifer Zone A, groundwater was encountered at elevations ranging from 40.42 to 41.72 ft amsl (Table 1). The water table is relatively flat, with a groundwater gradient of 0.0096 ft/ft between the most upgradient well (WR-MW-02) and the most downgradient (WR-MW-09A). The overall flow direction is toward the north-northwest, consistent with historical observations. However, in recent events, the gradient has decreased and interpreting flow directions has become more difficult with only minor elevation differences at various points in the network. Groundwater elevations at six (WR-MW-05A, -09A, -10A, -11A, and -12A) of 11 wells fall within 0.08 ft of each other (Figure 3).

Well WR-MW-01B, screened in Aquifer Zone B, had a groundwater elevation of 36.84 ft amsl. Comparing this elevation against the elevation at nearby WR-MW-01 (40.75 ft amsl) indicates a downward gradient. From June 2022 to November 2022, groundwater levels increased in six wells and decreased in five wells, averaging an increase of 0.09 ft. The average change in water levels since December 2021 is an increase of 0.49 ft.

4.2 VOC Analytical Results

All COCs were detected in at least one sample. One or more COCs were detected at each well except for WR-MW-08A, which is an upgradient of the VOC plume, and WR-MW-01B screened in the B-Zone. A summary of the COC concentrations is provided in Table 4-1.

Table 4-1. Summary of COC Results

Analyte	MCLs (µg/L)		Number of Wells with			Maximum Concentration	
	CA	Federal	Detections	CA MCL Exceedances	Federal MCL Exceedances	Location	Result (µg/L)
PCE	5	5	8	2	2	WR-MW-04A	5.3
TCE	5	5	7	0	0	WR-MW-01	2.3
cis-1,2-DCE	6	70	6	3	0	WR-MW-01	18
Vinyl chloride	0.5	2	2	0	0	WR-MW-05A	0.36 J

Notes:
µg/L micrograms per liter
CA California
DCE dichloroethane
J estimated value, bias indeterminate
MCL Maximum Contaminant Leve
PCE tetrachloroethene
TCE trichloroethene

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 results of this event 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. Eight of the ten wells in the current sampling network have had a COC concentration exceeding the MCLs at least once within the past four semiannual events (November 2020–November 2022). This includes perimeter wells to the network's west, north, and east. Therefore, the current plume extents are not well defined.
2. The ERD program successfully reduced COC concentrations. However, not all wells show decreasing trends during recent monitoring events. Trend analyses performed for the *Groundwater Sampling Optimization Plan* showed increasing or insignificant trends for particular COCs at select wells (Ahtna, 2022).
3. Data from WR-MW-01B does not show contamination of the B-Zone.
4. PCE dechlorination generally occurs according to the sequence of PCE degrading to TCE, TCE degrading to DCE, and DCE degrading to vinyl chloride. During active dechlorination, a distribution of concentrations would be expected across all four stages. However, PCE and DCE concentrations are relatively high compared to TCE and vinyl chloride concentrations. This observation, paired with a general lack of decreasing COC concentrations, indicates that dechlorination is not progressing.
5. Water levels decreased sharply from 2012 to 2016; however, recent data indicate steady increases of approximately 0.5 ft/year.
6. Short-term seasonal variations in groundwater levels and COC concentrations are minimal, with similar results observed in the second- 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.
7. Wells WR-MW-01 and WR-MW-02 were sampled for the first time since November 2020. Obstructions in the wells prevented sampling in the 2021 second semiannual event and the 2022 first semiannual event.
    a. **WR-MW-01 results**: Detections of PCE, TCE, and cis-1,2-DCE were in agreement with historical data. cis-1,2-DCE exceeded the MCL for the first time since May 2020 and was detected at the highest concentration since June 2013. MCL exceedances for cis-1,2-DCE have been common at this well. TCE and PCE concentrations remained below the MCL, in line with the November 2020 results.
    b. **WR-MW-02 results**: Only low levels of PCE and TCE were detected in this event, with neither concentration exceeding the MCL. PCE had exceeded the MCL at WR-MW-02 in each of the ten previous sampling events (September 2016 to November 2020).

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

6.0 References

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Tables

Table 1. Groundwater Elevation Data and Well Details

Location ID	Coordinates[1]		Aquifer	Well Dia. (in)	Top of Casing Elevation (ft amsl)	Screen Interval		Date Measured	Total Depth (ft)	Depth to Water (ft btoc)	GW Elevation (ft amsl)		
	Northing	Easting				Top (ft btoc)	Bottom (ft btoc)				Nov 2022	Jun 2022	Change
WR-MW-01	2079737	5808543	A	2	122.05	71.50	86.5	11/29/2022	87.56	81.30	40.75	40.66	0.09
WR-MW-01B	2079736	5808531	B	2	122.15	130.0	140.0	11/29/2022	140.89	85.31	36.84	37.11	-0.27
WR-MW-02	2079633	5808536	A	2	121.73	72.5	87.5	11/29/2022	88.15	80.01	41.72	40.78	0.94
WR-MW-04A	2079776	5808301	A	2	121.55	75.0	85.0	11/29/2022	84.56	81.08	40.47	40.51	-0.04
WR-MW-05A	2079733	5808469	A	2	121.85	75.0	85.0	11/29/2022	85.55	81.42	40.43	40.56	-0.13
WR-MW-07A	2079787	5808621	A	2	119.33	75.0	85.0	11/29/2022	83.20	78.59	40.74	40.69	0.05
WR-MW-08A	2079610	5808499	A	2	121.30	75.0	85.0	11/29/2022	84.96	80.25	41.05	41.00	0.05
WR-MW-09A	2079767	5808513	A	2	122.17	75.0	85.0	11/29/2022	85.05	81.75	40.42	40.85	-0.43
WR-MW-10A	2079770	5808360	A	2	121.95	75.0	85.0	11/29/2022	84.47	81.45	40.50	39.85	0.65
WR-MW-11A	2079698	5808347	A	2	121.99	75.0	85.0	11/29/2022	84.47	81.50	40.49	40.45	0.04
WR-MW-12A	2079739	5808384	A	2	121.80	75.0	85.0	11/29/2022	84.98	81.35	40.45	40.46	-0.01

Notes:
[1] Well Coordinates are estimated. NAD 1983 California State Plane Zone 5
amsl= above mean sea level
btoc= below top of casing
dia= diameter
ft= feet
in= inch

Table 2. Sample Schedule

Location ID	Aquifer	Depth to Water	Analysis	Test Method	Sampling Frequency	Sampling Method	Sample Type	Sample Date
WR-MW-01	A	✓	VOCs	EPA 8260C	Semiannual	PDB	NS	11/29/2022
WR-MW-01B	B	✓	VOCs	EPA 8260C	Annual	PDB	NS/MS/MSD	11/29/2022
WR-MW-02	A	✓	VOCs	EPA 8260C	Semiannual	PDB	NS	11/29/2022
WR-MW-04A	A	✓	VOCs	EPA 8260C	Semiannual	PDB	NS	11/29/2022
WR-MW-05A	A	✓	VOCs	EPA 8260C	Semiannual	PDB	NS	11/29/2022
WR-MW-07A	A	✓	—	—	—	—	—	—
WR-MW-08A	A	✓	VOCs	EPA 8260C	Semiannual	PDB	NS/FD	11/29/2022
WR-MW-09A	A	✓	VOCs	EPA 8260C	Semiannual	PDB	NS	11/29/2022
WR-MW-10A	A	✓	VOCs	EPA 8260C	Semiannual	PDB	NS	11/29/2022
WR-MW-11A	A	✓	VOCs	EPA 8260C	Semiannual	PDB	NS	11/29/2022
WR-MW-12A	A	✓	VOCs	EPA 8260C	Semiannual	PDB	NS	11/29/2022

Notes:
EPA= Environmental Protection Agency
FD= Field duplicate
ft= feet
MS/MSD= Matrix spike/MS duplicate
NS= Normal sample
PDB= Passive Diffusion Bag
VOC= volatile organic compounds

Table 3. Groundwater Monitoring Results— All Volatile Organic Compounds

			Analyte	1,1,1-Trichloroethane	1,1-Dichloroethene	2-Butanone (MEK)	Acetone	Benzene	Bromodichloro-methane	Bromoform	Chloroform
			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	MW01-1122-N	11/29/2022	NS	0.16 U	0.15 J	3 U	8 U	0.16 U	0.30 U	0.30 U	0.16 U
WR-MW-01B	MW01B-1122-N	11/29/2022	NS	0.16 U	0.20 U	3 U	8 U	0.080 J	0.30 U	0.30 U	0.16 U
WR-MW-02	MW02-1122-N	11/29/2022	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	MW04A-1122-N	11/29/2022	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	MW05A-1122-N	11/29/2022	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	MW08A-1122-D	11/29/2022	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	MW08A-1122-N	11/29/2022	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	MW09A-1122-N	11/29/2022	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	MW10A-1122-N	11/29/2022	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	MW11A-1122-N	11/29/2022	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-12A	MW12A-1122-N	11/29/2022	NS	0.16 U	0.20 U	3 U	8 U	0.16 U	0.30 U	0.30 U	0.16 U

Table 3. Groundwater Monitoring Results— All Volatile Organic Compounds

				Chloromethane	cis-1,2-Dichloroethene	Dibromochloro-methane	tert-Butyl methyl ether (MTBE)	Tetrachloroethene	Toluene	Total xylenes	trans-1,2-Dichloroethene
			Analyte	Chloromethane	cis-1,2-Dichloroethene	Dibromochloro-methane	tert-Butyl methyl ether (MTBE)	Tetrachloroethene	Toluene	Total xylenes	trans-1,2-Dichloroethene
			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
			California MCL	--	6	80	13	5	150	--	10
			Federal MCL	--	70	80	--	5	1000	--	100
Location	**Sample ID**	**Sampled**	**Type**	Result	Result	Result	Result	Result	Result	Result	Result
WR-MW-01	MW01-1122-N	11/29/2022	NS	0.16 UJ	**18**	0.16 U	0.16 U	0.32 J	0.16 U	0.46 U	0.22 J
WR-MW-01B	MW01B-1122-N	11/29/2022	NS	0.16 UJ	0.16 U	0.16 U	0.16 U	0.3 U	0.1 J	0.46 U	0.16 U
WR-MW-02	MW02-1122-N	11/29/2022	NS	0.16 UJ	0.16 U	0.16 U	0.16 U	0.82	0.16 U	0.46 U	0.16 U
WR-MW-04A	MW04A-1122-N	11/29/2022	NS	0.16 UJ	0.80	0.16 U	0.16 U	**5.3**	0.16 U	0.46 U	0.16 U
WR-MW-05A	MW05A-1122-N	11/29/2022	NS	0.16 UJ	**11**	0.16 U	0.16 U	0.13 J	0.16 U	0.46 U	0.20 J
WR-MW-08A	MW08A-1122-D	11/29/2022	FD	0.16 UJ	0.16 U	0.16 U	0.16 U	0.3 U	0.16 U	0.46 U	0.16 U
WR-MW-08A	MW08A-1122-N	11/29/2022	NS	0.16 UJ	0.16 U	0.16 U	0.16 U	0.3 U	0.16 U	0.46 U	0.16 U
WR-MW-09A	MW09A-1122-N	11/29/2022	NS	0.16 UJ	**9.5**	0.16 U	0.16 U	0.25 J	0.16 U	0.46 U	0.16 U
WR-MW-10A	MW10A-1122-N	11/29/2022	NS	0.16 UJ	4.7	0.16 U	0.16 U	**5.1**	0.16 U	0.46 U	0.050 J
WR-MW-11A	MW11A-1122-N	11/29/2022	NS	0.16 UJ	0.16 U	0.16 U	0.16 U	3.8	0.16 U	0.46 U	0.16 U
WR-MW-12A	MW12A-1122-N	11/29/2022	NS	0.16 UJ	4.8	0.16 U	0.16 U	1.7	0.16 U	0.46 U	0.080 J

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	MW01-1122-N	11/29/2022	NS	2.3	0.16 U
WR-MW-01B	MW01B-1122-N	11/29/2022	NS	0.16 U	0.16 U
WR-MW-02	MW02-1122-N	11/29/2022	NS	0.29 J	0.16 U
WR-MW-04A	MW04A-1122-N	11/29/2022	NS	1.2	0.16 U
WR-MW-05A	MW05A-1122-N	11/29/2022	NS	0.16 U	0.36 J
WR-MW-08A	MW08A-1122-D	11/29/2022	FD	0.16 U	0.16 U
WR-MW-08A	MW08A-1122-N	11/29/2022	NS	0.16 U	0.16 U
WR-MW-09A	MW09A-1122-N	11/29/2022	NS	0.18 J	0.34 J
WR-MW-10A	MW10A-1122-N	11/29/2022	NS	1.5	0.16 U
WR-MW-11A	MW11A-1122-N	11/29/2022	NS	0.13 J	0.16 U
WR-MW-12A	MW12A-1122-N	11/29/2022	NS	0.39 J	0.16 U

Notes:

µg/L= micrograms per liter

Bold Underline= exceeds State and Federal MCL

Bold= exceeds the State MCL

FD= Field duplicate

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

MCL= Maximum Contaminant Level

NS= Normal sample

U= not detected above the indicated limit of detection

UJ=estimated not detected above the indicated limit of detection

Table 4. Groundwater Monitoring Results— Contaminants of Concern

				Analyte	cis-1,2-Dichloroethene	Tetrachloroethene	Trichloroethene	Vinyl Chloride
				Analytical Method	SW8260C	SW8260C	SW8260C	SW8260C
				Units	µg/L	µg/L	µg/L	µg/L
				California MCL	6	5	5	0.5
				Federal MCL	70	5	5	2
Location	**Sample ID**	**Sampled**	**Type**		Result	Result	Result	Result
WR-MW-01	MW01-1122-N	11/29/2022	NS		**18**	0.32 J	2.3	0.16 U
WR-MW-01B	MW01B-1122-N	11/29/2022	NS		0.16 U	0.30 U	0.16 U	0.16 U
WR-MW-02	MW02-1122-N	11/29/2022	NS		0.16 U	0.82	0.29 J	0.16 U
WR-MW-04A	MW04A-1122-N	11/29/2022	NS		0.80	**5.3**	1.2	0.16 U
WR-MW-05A	MW05A-1122-N	11/29/2022	NS		**11**	0.13 J	0.16 U	0.36 J
WR-MW-08A	MW08A-1122-D	11/29/2022	FD		0.16 U	0.30 U	0.16 U	0.16 U
WR-MW-08A	MW08A-1122-N	11/29/2022	NS		0.16 U	0.30 U	0.16 U	0.16 U
WR-MW-09A	MW09A-1122-N	11/29/2022	NS		**9.5**	0.25 J	0.18 J	0.34 J
WR-MW-10A	MW10A-1122-N	11/29/2022	NS		4.7	**5.1**	1.5	0.16 U
WR-MW-11A	MW11A-1122-N	11/29/2022	NS		0.16 U	3.8	0.13 J	0.16 U
WR-MW-12A	MW12A-1122-N	11/29/2022	NS		4.8	1.7	0.39 J	0.16 U

Notes:

µg/L= micrograms per liter

Bold Underline= exceeds State and Federal MCL

Bold= exceeds the State MCL

FD= Field duplicate

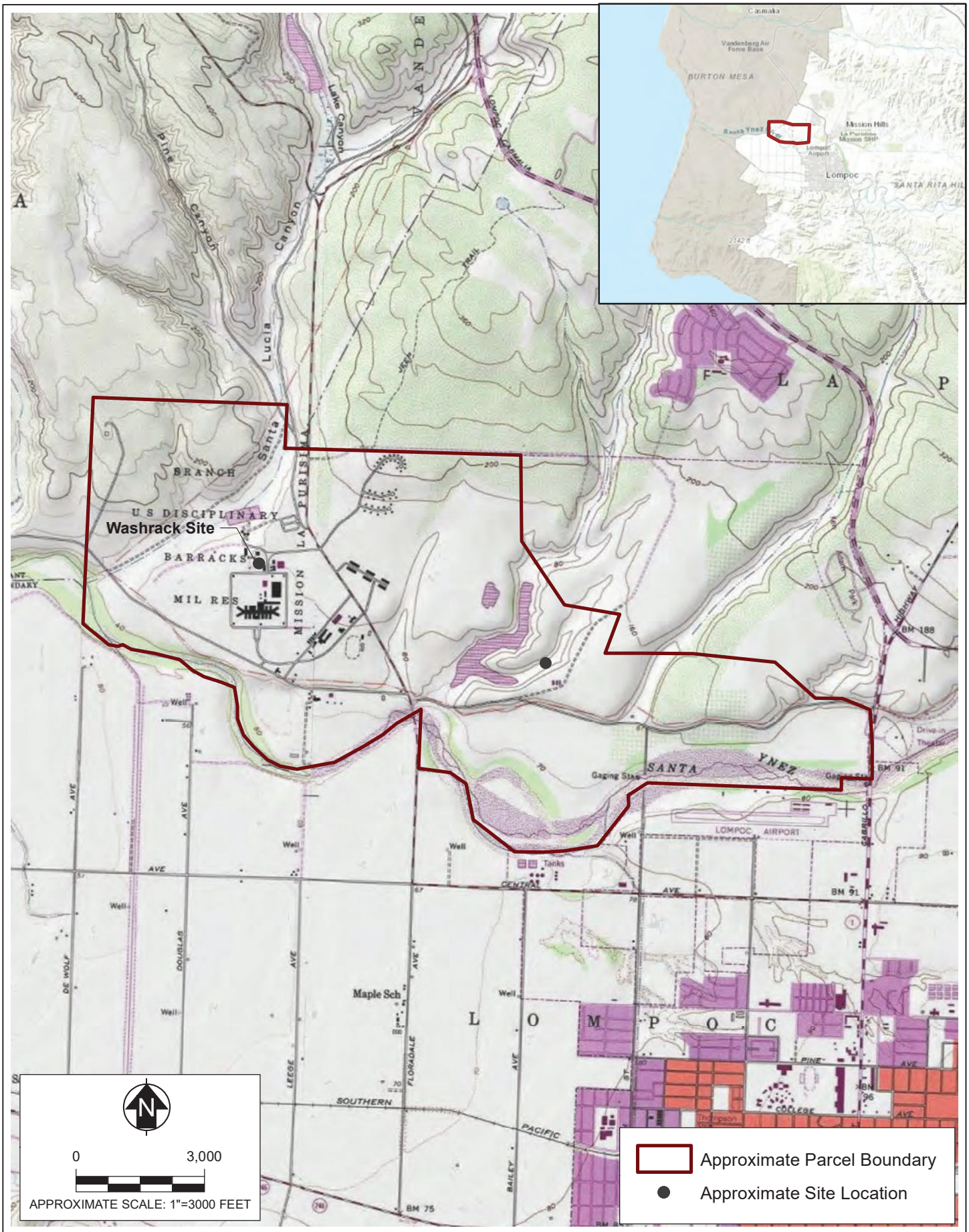
J= Estimated value; (+) high bias (-) low bias

MCL= Maximum Contaminant Level

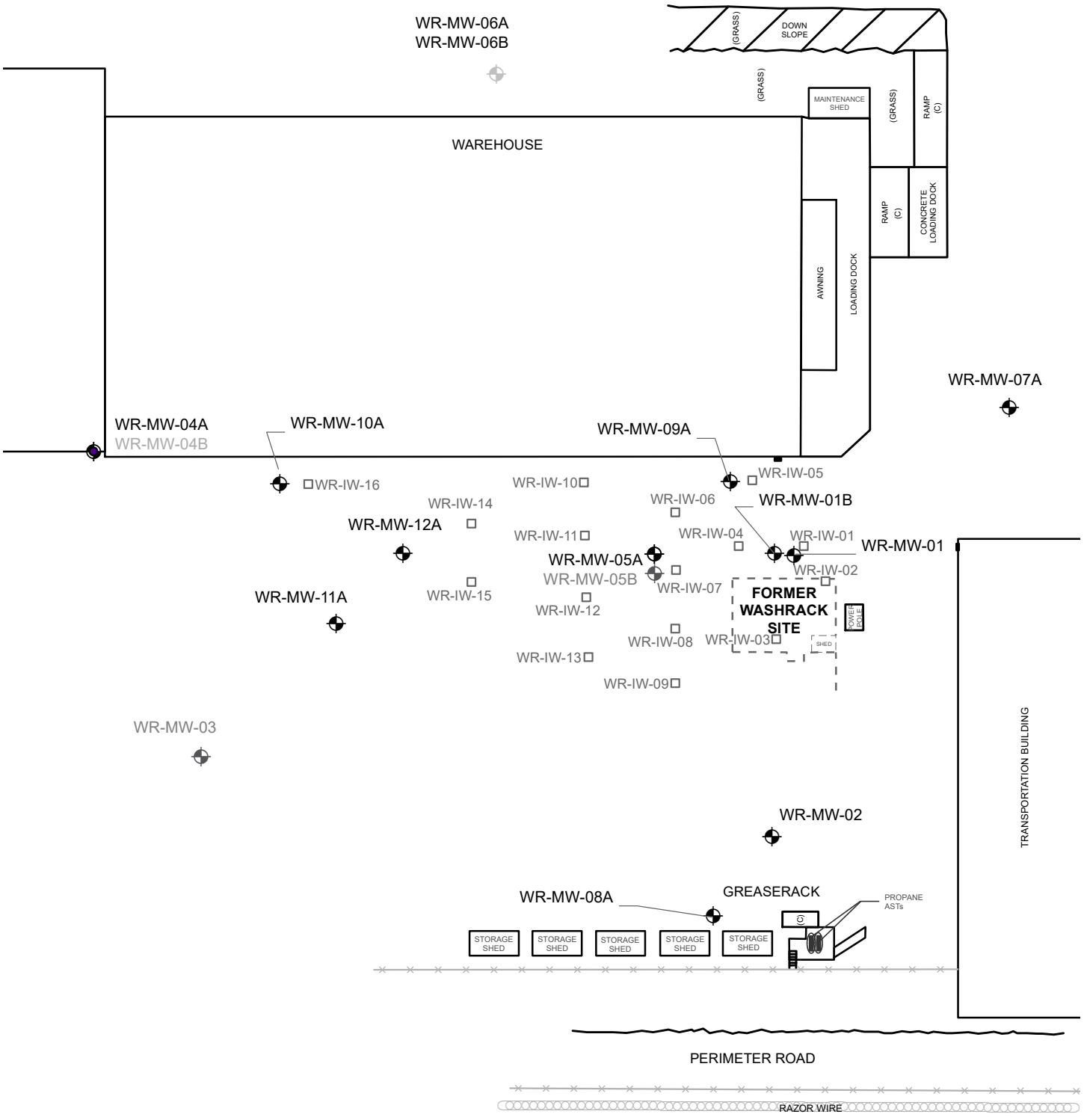
NS= Normal sample

U= not detected above the indicated limit of detection

Figures



Ahtna	**2022 Second Semiannual Groundwater Monitoring Report- Washrack Site** Environmental Long-Term Monitoring and Inspection Former USDB, Lompoc, California	**Washrack Site Location Map**	1



LEGEND:

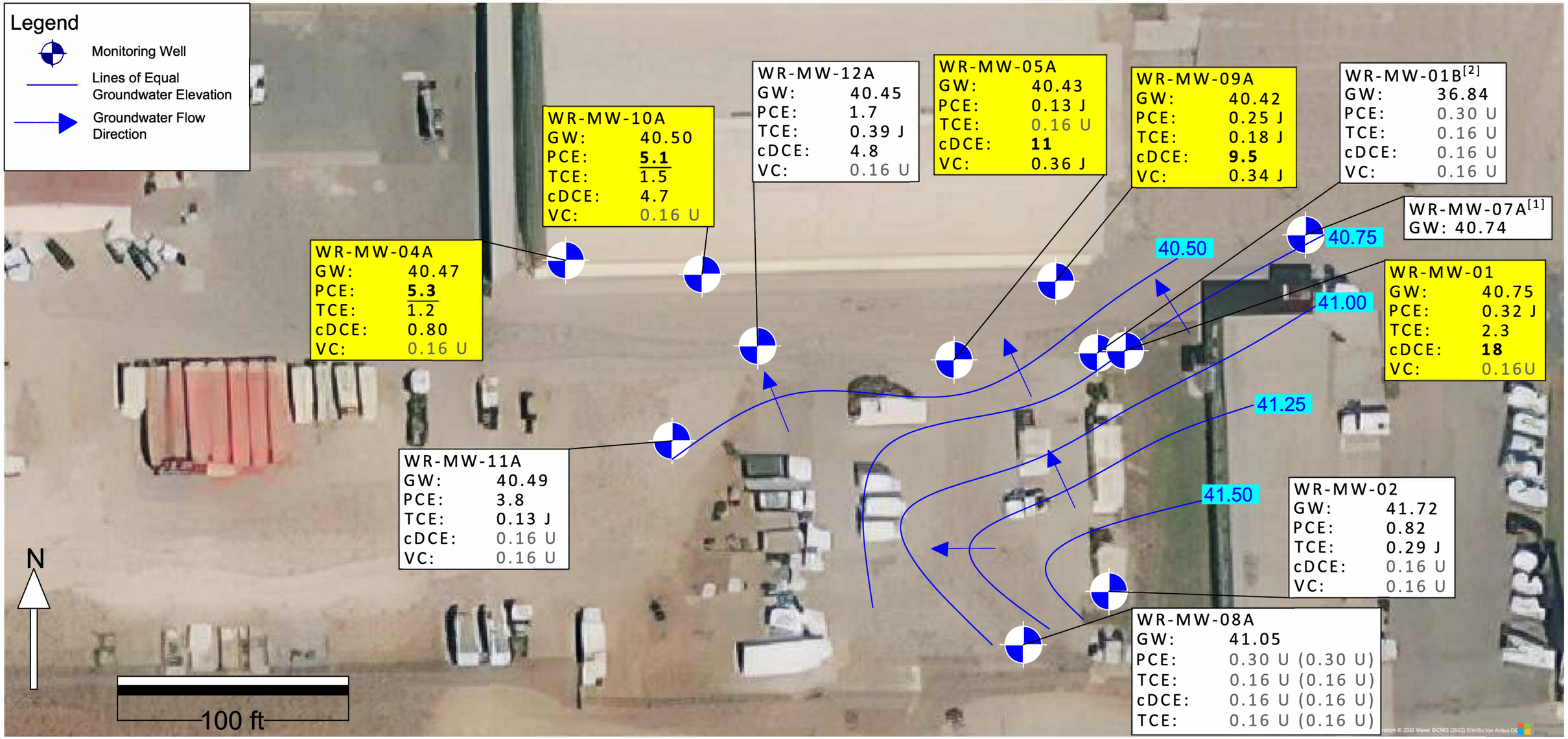
- Former Injection Well (Abandoned)
- Monitoring Well
- Former Monitoring Well
- Fence

N

0 50

1" = 50'

Ahtna	**2022 Second Semiannual Groundwater Monitoring Report- Washrack Site** Environmental Long-Term Monitoring and Inspection Former USDB, Lompoc, California	**Washrack Monitoring Well Locations**	2



Ahtna

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

Sample collection and water level measurements were performed on November 29, 2022
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
Field duplicate results are shown in parentheses

cDCE: cis-1,2-Dichloroethene
GW: groundwater elevation in feet above mean sea level
PCE: tetrachloroethene
TCE: trichloroethene
VC: vinyl chloride

Aquifer Zone A Groundwater Potentiometric Surface Map and Contaminants of Concern Results
2022 Second Semiannual Groundwater Monitoring Report
Washrack Site
Former USDB, Lompoc, CA

Figure
3

Appendices

Appendix A. Daily Field Report

Ahtna

DAILY FIELD REPORT
Former U.S. Disciplinary Barracks, Lompoc

General			
1) USACE Contract No.:	W912PL-18-D-0044	**5) Date:** 11/29/2022	
2) Program Manager	Sommer Carter	**6) Report No.:** 1/1	
3) Project Lead:	Connor Dunn	**7) QC Manager:** Connor Dunn	
4) SSHO:	Jessica Feduck	**8) Weather:** Mostly sunny, 37-61°F	

Summary	
9) Work Performed	
a. Collected depth to water and total depth measurements at 11 of 11 groundwater monitoring wells at the Washrack Site. Collected VOC samples using PDBs from all 10 wells scheduled for sampling. Set PDBs in the 9 wells scheduled for sampling in the next event (2023 First Semiannual Event). b. Performed the annual inspection of the Wood Dump Site. Collected photo documentation of site features (i.e. cap, drainage systems, gas probes, etc.) and recorded observations on the Wood Dump Inspection Checklist.	
10) Project Schedule/Issues:	None
11) Action Items:	None

Contractor Personnel

12) Prime Contractor and Subcontractor Onsite:

Name	Company	Position/Title	Hours
Connor Dunn	Ahtna	Project Lead	6.45
Jessica Feduck	Ahtna	Environmental Scientist	6.25

Government Personnel

13) Government Personnel Onsite:

Name	Organization	Position/Title	Arrive/Depart
Brad Halbeisen	FCC Lompoc	Engineering Technician	Various

Visiting Personnel

14) Visitors Onsite:

Name	Organization	Position/Title	Hours on Site
None.			

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DAILY FIELD REPORT

Former U.S. Disciplinary Barracks, Lompoc

Details					
15)	**Equipment / Material Status:**	MOB'D	ACTIVE	INACTIVE	DEMOB'D
a.	Field Support Vehicles (x2)	X	x		X
16)	**Work Planned for Following Workday:** None				
17)	**Attachments:**				
a.	Daily Safety Tailgate Form				
b.	Field Notes				
c.	QC Inspection Forms				
d.	Water Level Measurements and PDB Sampling Form				
e.	Well Maintenance Inspection Form				
f.	Wood Dump Inspection Checklist - ***Removed. This report pertains to the Washrack only***				
18)	**Other:** None				
19)	**Report Submitted by:** Connor Dunn				

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DAILY FIELD REPORT

Former U.S. Disciplinary Barracks, Lompoc

Photos

Photo 01: Retrieving PDB from well WR-MW-01 (facing west).

Photo 02: Collecting field blank sample using laboratory-provided DI water (facing east).

AHTNA DAILY SITE SAFETY TAILGATE / INSPECTION LOG

GENERAL DATA

Site: Lompoc
AHTNA Site CDSO/DR:

Date: 11/29/22
Site Location: Lompoc
AHTNA SSHO: Jessica Feducr

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

Traffic, prison safety, cold weather

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

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

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

NAME / COMPANY	NAME / COMPANY
Connor Dunn / Ahtna	
Jessica Feducr / Ahtna	

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

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

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

Comments/Field Notes:

I acknowledge that above elements were inspected and discussed

SSHO/CDSO/DR (signature): J Feducr

Date: 11/29/22

Ahtna

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

JOB: 2022 Second Semiannual Event
DATE: 11/29/22
PROJECT: USDB Lompoc
Conor Dunn

0705	Arrived onsite and checked in with B. Halbeisen (FCC Lompoc). Discussed groundwater LUCs for the washrack site. Any requests affecting groundwater would need approval through regional office and then central office. checked access to wells.
0740	Conducted safety tailgate meeting. Topics included prisoner safety, traffic safety, and cold weather.
0750	Moved to WR-MW-01 and collected sample MW01-1122-N from PDB. Set PDB for next event, measured DTW and TD.
0810	Collected MW01B-1122-N (MS/MSD set) from WR-MW-01B. No PDB set because well is only sampled annually. Performed well maintenance inspections and measured DTW/TD at each well during sampling.
0835	Collected sample MW09A-1122-N from WR-MW-09A. Measured DTW and TD and set PDB for next event.
0855	Collected sample MW05A-1122-N from WR-MW-05A. Measured DTW, TD, and set PDB for next event.
0915	Collected sample MW12A-1122-N from WR-MW-12A. Measured DTW, TD, and set two PDBs for next event.
0935	Collected sample MW11A-1122-N from WR-MW-11A. Measured DTW, TD, and set PDB for next event.
0955	Collected sample MW10A-1122-N from PDB in WR-MW-10A. Continuously checked VOAs for air bubbles after each sample container was filled. Measured DTW, TD, and set PDB for next event.
1005	Moved to WR-MW-04A. Collected field blank sample. Collected sample MW04A-1122-N from PDB. Set PDB for next event, measured DTW and TD.
1025	Moved to WR-MW-08A. Collected normal and duplicate samples from PDBs. MW08A-1122-N MW08A-1122-D Measured DTW, TD, and set two PDBs for next event. B. Halbeisen checked in, no concerns.
1050	Moved to WR-MW-02. Collected sample MW02-1122-N from PDB.

Ahtna

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

JOB: 2022 Second Semiannual Event
DATE: 11/29/22
PROJECT: USDB Lompoc
Conor Dunn

1105 - Measured DTW and TD at WR-MW-07. Well is not part of sampling program.

Performed QC check of sample bottles against chain of custody. Confirmed necessary QC samples were collected.

1140 - Met with B. Halbeisen and headed to Wood Dump site for annual inspection.

1205 - Began Wood Dump inspection at southeastern end. Recorded all observations and deficiencies on the Wood Dump Inspection checklist.
Moved from southeastern end and completed inspections of features in counterclockwise order.

Discussed significant vegetation clearance that has been performed since the past inspection. Noted areas for further vegetation clearance and B. Halbeisen agreed.
Collected photo documentation of all features. No significant deficiencies observed. Site appears to be in very good overall condition. Vapor probes, wells, and drainage features are all undamaged.

1310 - Completed Wood Dump Inspection. Headed to FAL Landfill site for quick check up. Fence in good condition and no major burrows. J. Feduck left site at 1330.
Returned to facilities management trailer with B. Halbeisen. Discussed historical documentation for sites and asked for any boring logs for the washrack. B Halbeisen to forward along what the FCC has on file.

1345 - Left the site.

Conor Dunn

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

Contract No.: W912PL-18-D-0044 Date: 11/22/22
Task No.: 2.1.1b and 2.2.1b
Location/Project: Lompoc, CA/Former USDB

A. Key Personnel Present:

	Name	Position	Company
1.	Conor Dunn	Project Lead	Ahtna
2.	Kevin Yu	COR	USACE
3.			
4.			
5.			
6.			
7.			
8.			
9.			
10.			

B. Submittals:

1. Review submittals and/or submittal register. Have all applicable submittals been approved?
Yes ✓ No ___

If No, what items have not been submitted?

a. _____
b. _____
c. _____

_____ _____
USACE Representative Signature Quality Control Manager Signature

INVESTIGATION, MONITORING, O&M PROJECTS: PREPARATORY PHASE INSPECTION CHECKLIST				
Assessment Activity	**Assessment Mechanism**	**Person(s) Responsible**	**Response Action**	**Completed by/Date**
Have planning documents been prepared in accordance with the statement of work, regulatory requirements, and contract requirements? Yes	Quality control review of document by Project Manager and QC reviewer.	Project Manager, QC Reviewer	Modify document as directed by reviewers	CD 11/22/22
Prior to project activities: Have planning documents been read by appropriate project personnel (including subcontractors) before work is conducted. Yes	Documentation (e.g., sign-off form, note to file, email acknowledgement) that document has been read and requirements are understood.	Subcontractors as required. Project Manager, Task Manager, and Project Chemist to check signoff and forms.	Direct project personnel to read relevant documents.	CD 11/22/22
Prior to project activities: Has required preliminary work (e.g., clearance activities, permits, site access) been completed in accordance with project plan. Yes	Comparison of information obtained from preliminary work completion assessment as specified in the project planning document(s).	Project Manager, Safety and Health Officer, QC Manger/Reviewer, Task Manager, Project Chemist, Field Staff	Delay startup if necessary preliminary work has not been completed. Implement corrective actions by directing appropriate personnel or subcontractors to complete necessary preliminary work.	CD 11/22/22
Prior to project activities: Are staff and subcontractors prepared to implement project activities according to planning documents? Yes	Review and discussion of planned activities prior to implementation.	Project Manager, Safety and Health Officer, Quality Control System Manager, Task Manager, Project Chemist, Field staff.	Delay startup if staff and subcontractors are not prepared to implement activities *in* accordance with specification.	CD 11/22/22
Prior to project activities: Is necessary field equipment available and in acceptable working order? Yes	Compare field equipment list with planned activities. Compare field equipment calibration documentation with project goals specified in the SAP.	Project Manager, Quality Control System Manager, Task Manager, Project Chemist, Field staff.	Delay startup if equipment is unavailable or not in proper working order. Implement corrective actions to include use of alternate equipment, or recalibration of available equipment.	CD 11/22/22

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

Date: 11/29/22

Contract No.: W912PL-18-D-0044
Task No.: 2.1.1b and 2.2.1b
Location/Project: Lompoc, CA/ USDB

Description and Location of Work Inspected: Second Semiannual Washrack Monitoring and Annual Wood Pump Inspection • Verified all sample bottles and supplies were onsite

A. Key Personnel Present:

	Name	Position	Company
1.	Connor Dunn	Project Lead	AMTA
2.	Jessica Feduck	Environmental Scientist	AMTA
3.			
4.			
5.			
6.			
7.			
8.			
9.			
10.			

Quality Control Manager Signature

INVESTIGATION, MONITORING, O&M PROJECTS: INITIAL PHASE INSPECTION CHECKLIST				
Assessment Activity	**Assessment Mechanism**	**Person(s) Responsible**	**Response Action**	**Completed by/Date**
Beginning of project activity: Is work being performed according to project plans? Yes	Conduct field and laboratory audits.	Project Manager, Quality Control System Manager, Task Manager, Project Chemist, Field staff.	Stop work if audits indicate significant deviation from project plan. Implement immediate or long- term corrective actions. Communicate deficiencies to USACE Project Manager.	CD 11/29/22
Early phase of project: Have necessary audits been performed? Yes	Review project phase and check to see if required audits have *been* satisfactorily completed.	Project Manager, Project Manager, Quality Control System Manager	Stop work if reviewer decides that absence of audit jeopardizes successful implementation of project plans. Immediately schedule necessary audits.	CD 11/29/22
Ongoing throughout project: Are daily quality control reports being prepared according to contract requirements? Yes	Review Content and delivery schedules of daily quality control reports.	Project Manager, Task Manager, Project Chemist, Project Staff	Correct deficiencies in reports or reporting delays.	CD 11/29/22
Ongoing throughout project: Do project plans adequately address any changes in project activities or goal? Yes	Compare data gathered to assess conformance to the project plan and conceptual site model.	Project Manager, Safety and Health Officer, Quality Control System Manager, Task Manager, Project Chemist, Field staff.	Stop work if assessor decides that project plan deficiencies are significant. Implement corrective action to include modification of project plans. Notify USACE Project Manager.	CD 11/29/22
Ongoing throughout project: Do project plans adequately address any changes in project activities or goals? Yes	Compare data gathered to assess conformance to the conceptual site model, data quality objectives, and project plan.	Project Manager, Quality Control System Manager, Task Manager, Project Chemist, data users and evaluators.	Propose additional data collection activities to fill data gaps. Notify USACE Project Manager. Revise or update planning documents as appropriate.	CD 11/29/22

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

Date: 11/29/22

Contract No.: W912PL-18-D-0044
Task No.: 2.1.1b and 2.2.1b
Location/Project: Lompoc, CA/USDB

Project/Area of Inspection: Second Semiannual Washrack Monitoring and Annual Wood Pump Inspection

A. Key Personnel Present:

	Name	Position	Company
1.	Connor Dunn	Project Lead	Ahtna
2.	Jessica Feduck	Environmental Scientist	Ahtna
3.			
4.			
5.			
6.			
7.			
8.			
9.			
10.			

B. Definable Features of Work: Status of Inspection:

Definable Features of Work	Status of Inspection
Verified that VOAs did not contain headspace per WS #19/30 of the QAPP/WP.	Complete
Confirmed that field duplicates, field blanks, trip blanks, and matrix spike/spike duplicates were collected according to WS #20 of the QAPP/WP.	Complete
Inspected all Wood Pump features identified in WS #17 of the QAPP/WP.	Complete

Quality Control Manager

INVESTIGATION PROJECT FOLLOW-UP PHASE INSPECTION CHECKLIST				
Assessment Activity	**Assessment Mechanism**	**Person(s) Responsible**	**Response Action**	**Completed by/Date**
Reporting phase of project: Have data reports been prepared in accordance with project plans? Yes	Compare data reports to specifications detailed in planning documents.	Project Manager, Quality Control Manager, Task Manager, Project Chemist, data users and evaluators.	Revise documents and reports as appropriate.	CP 11/29/22
After draft report submittal or project completion: Are reports adequate to meet client and regulatory agency requirements? Yes	Review client and agency comments. Prepare responses to comments.	Project Manager, Quality Control Manager, Task Manager, Project Chemist, data users and evaluators.	Revise documents and reports as appropriate.	CP 11/29/22
Have other definable features of work been completed in accordance to project requirements Yes	Compare definable features of work with project requirements.	Project Manager, Quality Control Manager	Complete definable feature of work as required.	CP 11/29/22

Water Level Measurements and PDB Sampling Form

Project Site: USDB Lompoc, Washrack Site
Job Number: 21044.006.01.00

Location	Depth to Water (ft btoc)	Total Depth (ft btoc)	Previous Measurements (June 2022)			Sample Date	Sample Time	Sample ID(s)
			Depth to Water (ft btoc)	Total Depth (ft)	Water Column Height			
WR-MW-01	81.30	87.56	81.39	87.61	6.22	11/29/22	0755	MW01-1122-N
WR-MW-01B	85.31	140.89	85.04	140.31	55.27	11/29/22	0810	MW01B-1122-N MS/MSD
WR-MW-02	~~80.7~~ JF 80.01	88.15	80.95	88.05	7.10	11/29/22	1050	MW02-1122-N
WR-MW-04A	81.08	84.56	81.04	84.68	3.64	11/29/22	1010	MW04A-1122-N
WR-MW-05A	81.42	85.55	81.29	85.15	3.86	11/29/22	0855	MW05A-1122-N
WR-MW-07A	78.59	83.20	78.64	83.37	4.73	—	—	—
WR-MW-08A	80.25	84.96	80.30	84.92	4.62	11/29/22	1025	MW08A-1122-N MW08A-1122-D
WR-MW-09A	~~82~~.75	85.05	81.32	85.02	3.70	11/29/22	0835	MW09A-1122-N
WR-MW-10A	81.45	84.47	82.10	84.49	2.39	11/29/22	0955	MW10A-1122-N
WR-MW-11A	81.50	84.47	81.54	84.60	3.06	11/29/22	0935	MW11A-1122-N
WR-MW-12A	81.35	84.98	81.34	84.86	3.52	11/29/22	0915	MW12A-1122-N

Notes:

Trip blank (MW12A-1122-T) at 0930

Field blank (MW04A-1122-FB) at 1005

Well Maintenance Inspection Form

Date: 11/29/22 Field Technician: JF | CD

Inspection Point	No Corrective Action	Well Cap Non-Functional	Lock- Non Functional	Lock Missing	Bolts Missing (#/ total #)	Tabs Stripped (#/ total #)	Tabs Broken (#/ total #)	Gasket- Non-Functional	Rim/Lid Broken	Apron/Bollard damaged	Other	Well Not Inspected	Notes (repairs made while on site)
WR-MW-01					0/2	2/2	0/2	✓	CD 11/29/22				
WR-MW-01B					2/2	2/2	0/2	✓	CD 11/29/22				
WR-MW-02					0/2	2/2	0/2	✓					
WR-MW-04A					0/2	0/2	0/2	✓					
WR-MW-05A					0/2	2/2	0/2	✓					
WR-MW-07A					0/2	2/2	0/2	✓					
WR-MW-08A					0/2	0/2	0/2	✓					
WR-MW-09A					0/2	0/2	0/2	✓					Full of dirt
WR-MW-10A					0/2	2/2	0/2	✓					water & dirt in well box
WR-MW-11A					0/2	1/2	0/2	✓					Water in well box
WR-MW-12A					0/2	0/2	0/2	✓					

Appendix B. Historical Groundwater Monitoring Results

Table B-1. Historical Groundwater Monitoring Results - Organics

Analyte		TPH-Diesel	TPH-Gas	TPH-Oil	1,1,1-TCA	1,1-DCE	4-Methyl phenol	Acetone	Benzene	bis(2-Ethylhexyl)-Phthalate	Bromodichloro-methane
Units		µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
California MCL		N/A	N/A	N/A	200	6	N/A	N/A	1	4	80
Historical MCL Exceedances?		No	No	No	No	No	No	No	Yes	Yes	No
Well ID	**Sampled**										
WR-IW-01	10/02/02	–	–	–	< 1 U	< 1 U	–	< 20 UJ	< 1 U	–	< 1 U
WR-IW-01	11/11/03	–	–	–	< 13 U	< 13 U	–	440	< 13 U	–	< 13 U
WR-IW-01	02/10/04	–	–	–	< 13 U	< 13 U	–	1100	< 13 U	–	< 13 U
WR-IW-02	10/02/02	–	–	–	< 1 U	< 1 U	–	< 20 UJ	< 1 U	–	< 1 U
WR-IW-02	11/11/03	–	–	–	< 13 U	< 13 U	–	420	< 13 U	–	< 13 U
WR-IW-03	10/02/02	–	–	–	< 1 U	< 1 U	–	< 20 UJ	< 1 U	–	< 1 U
WR-IW-03	11/11/03	–	–	–	< 13 U	< 13 U	–	670	< 13 U	–	< 13 U
WR-IW-03	02/10/04	–	–	–	< 20 U	< 20 U	–	3600	< 20 U	–	< 20 U
WR-IW-04	10/02/02	–	–	–	< 1 U	< 1 U	–	< 20 UJ	< 1 U	–	0.19 J
WR-IW-04	11/11/03	–	–	–	< 13 U	< 13 U	–	400	< 13 U	–	< 13 U
WR-MW-01	07/27/01	50	60	500 J	< 5 U	< 0.40 U	–	< 20 U	< 0.40 U	–	< 0.50 U
WR-MW-01	01/03/02	–	–	–	< 0.50 U	< 0.50 U	< 10 U	–	< 0.50 U	< 10 U	< 0.50 U
WR-MW-01	01/03/02	–	–	–	< 0.50 U	< 0.50 U	< 10 U	–	< 0.50 U	< 10 U	< 0.50 U
WR-MW-01	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

Table B-1. Historical Groundwater Monitoring Results - Organics

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

Table B-1. Historical Groundwater Monitoring Results - Organics

Analyte		TPH-Diesel	TPH-Gas	TPH-Oil	1,1,1-TCA	1,1-DCE	4-Methyl phenol	Acetone	Benzene	bis(2-Ethylhexyl)-Phthalate	Bromodichloro-methane
Units		µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
California MCL		N/A	N/A	N/A	200	6	N/A	N/A	1	4	80
Historical MCL Exceedances?		No	No	No	No	No	No	No	Yes	Yes	No
Well ID	**Sampled**										
WR-MW-01	01/04/13	64	< 50 U	< 340 U	< 0.50 U	< 0.50 U	–	< 10 U	< 0.50 U	–	< 0.50 U
WR-MW-01	06/25/13	150	< 50 U	< 330 U	< 0.50 U	< 0.50 U	–	< 10 U	< 0.50 U	–	< 0.50 U
WR-MW-01	06/25/13	130	< 50 U	< 320 U	< 0.50 U	< 0.50 U	–	< 10 U	< 0.50 U	–	< 0.50 U
WR-MW-01	12/03/13	< 50 U	< 50 U	< 300 U	< 0.50 U	< 0.50 U	–	< 10 U	< 0.50 U	–	< 0.50 U
WR-MW-01	12/03/13	< 52 U	< 50 U	< 310 U	< 0.50 U	< 0.50 U	–	< 10 U	< 0.50 U	–	< 0.50 U
WR-MW-01	06/30/14	< 49 U	< 50 U	< 290 U	< 0.50 U	< 0.50 U	–	< 10 U	< 0.50 U	–	< 0.50 U
WR-MW-01	06/30/14	< 49 U	< 50 U	< 290 U	< 0.50 U	< 0.50 U	–	< 10 U	< 0.50 U	–	< 0.50 U
WR-MW-01	11/05/14	< 50 U	< 50 U	< 300 U	< 0.50 U	< 0.50 U	–	< 10 U	< 0.50 U	–	< 0.50 U
WR-MW-01	11/05/14	< 50 U	< 50 U	< 300 U	< 0.50 U	< 0.50 U	–	< 10 U	< 0.50 U	–	< 0.50 U
WR-MW-01	09/28/16	–	–	–	< 0.40 U	< 0.20 U	–	90	< 0.20 U	–	< 0.20 U
WR-MW-01	12/21/16	–	–	–	< 0.40 U	< 0.20 U	–	93	< 0.20 U	–	< 0.20 U
WR-MW-01	06/28/17	–	–	–	< 0.40 U	< 0.40 U	–	30 J	< 0.20 U	–	< 0.40 U
WR-MW-01	12/19/17	–	–	–	< 0.40 U	< 0.40 U	–	110	< 0.40 U	–	< 0.40 U
WR-MW-01	06/14/18	–	–	–	< 0.40 U	< 0.40 U	–	17	0.10 J	–	< 0.40 U
WR-MW-01	12/14/18	–	–	–	< 0.50 U	< 0.50 U	–	100 J	< 0.50 U	–	< 0.50 U
WR-MW-01	12/14/18	–	–	–	< 0.50 U	< 0.50 U	–	96 J	< 0.50 U	–	< 0.50 U
WR-MW-01	06/25/19	–	–	–	< 0.40 U	< 0.40 U	–	24 J	< 0.20 U	–	< 0.20 U
WR-MW-01	12/30/19	–	–	–	< 0.40 U	< 0.40 U	–	80 J	< 0.20 U	–	< 0.40 U
WR-MW-01	12/30/19	–	–	–	< 0.40 U	< 0.40 U	–	83 J	< 0.20 U	–	< 0.40 U
WR-MW-01	05/07/20	–	–	–	< 0.40 UJ	< 0.40 UJ	–	21 J	< 0.2 UJ	–	< 0.40 UJ
WR-MW-01	05/07/20	–	–	–	< 0.40 U	< 0.40 U	–	27	< 0.20 U	–	< 0.40 U
WR-MW-01	11/18/20	–	–	–	< 0.20 U	< 0.20 U	–	48	< 0.20 U	–	< 0.20 U
WR-MW-01	11/18/20	–	–	–	< 0.20 U	< 0.20 U	–	51 J	< 0.20 U	–	< 0.20 U
WR-MW-01	11/29/22	–	–	–	< 0.16 U	0.15 J	–	< 8.0 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

Table B-1. Historical Groundwater Monitoring Results - Organics

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

Table B-1. Historical Groundwater Monitoring Results - Organics

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

Table B-1. Historical Groundwater Monitoring Results - Organics

Analyte		TPH-Diesel	TPH-Gas	TPH-Oil	1,1,1-TCA	1,1-DCE	4-Methyl phenol	Acetone	Benzene	bis(2-Ethylhexyl)-Phthalate	Bromodichloro-methane
Units		µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
California MCL		N/A	N/A	N/A	200	6	N/A	N/A	1	4	80
Historical MCL Exceedances?		No	No	No	No	No	No	No	Yes	Yes	No
Well ID	**Sampled**										
WR-MW-02	09/28/09	–	–	–	< 0.50 U	< 0.50 U	–	< 10 U	< 0.50 U	–	< 0.50 U
WR-MW-02	07/01/10	–	–	–	< 0.50 U	< 0.50 U	–	< 10 U	< 0.50 U	–	< 0.50 U
WR-MW-02	01/27/11	–	–	–	< 0.50 U	< 0.50 U	–	< 10 U	< 0.50 U	–	< 0.50 U
WR-MW-02	06/20/11	–	–	–	< 0.50 U	< 0.50 U	–	< 10 U	< 0.50 U	–	< 0.50 U
WR-MW-02	01/11/12	–	–	–	< 0.50 U	< 0.50 U	–	< 10 U	< 0.50 U	–	< 0.50 U
WR-MW-02	06/27/12	–	–	–	< 0.50 U	< 0.50 U	–	< 10 U	< 0.50 U	–	< 0.50 U
WR-MW-02	01/04/13	–	–	–	< 0.50 U	< 0.50 U	–	< 10 U	< 0.50 U	–	< 0.50 U
WR-MW-02	06/26/13	–	–	–	< 0.50 U	< 0.50 U	–	< 10 U	< 0.50 U	–	< 0.50 U
WR-MW-02	12/04/13	–	–	–	< 0.50 U	< 0.50 U	–	< 10 U	< 0.50 U	–	< 0.50 U
WR-MW-02	07/01/14	–	–	–	< 0.50 U	< 0.50 U	–	< 10 U	< 0.50 U	–	< 0.50 U
WR-MW-02	11/04/14	–	–	–	< 0.50 U	< 0.50 U	–	< 10 U	< 0.50 U	–	< 0.50 U
WR-MW-02	09/28/16	–	–	–	< 0.40 U	< 0.20 U	–	80	< 0.20 U	–	< 0.20 U
WR-MW-02	12/21/16	–	–	–	0.40 J	0.20 J	–	92 J	0.20 J	–	0.20 J
WR-MW-02	06/28/17	–	–	–	< 0.40 U	< 0.40 U	–	17 J	< 0.20 U	–	< 0.40 U
WR-MW-02	12/19/17	–	–	–	< 0.40 U	< 0.40 U	–	120	< 0.20 U	–	< 0.40 U
WR-MW-02	12/14/18	–	–	–	< 0.50 U	< 0.50 U	–	87 J	< 0.50 U	–	< 0.50 U
WR-MW-02	12/14/18	–	–	–	< 0.40 U	< 0.40 U	–	25	< 0.20 U	–	< 0.40 U
WR-MW-02	06/25/19	–	–	–	< 0.40 U	< 0.40 U	–	21 J	< 0.20 U	–	< 0.20 U
WR-MW-02	12/30/19	–	–	–	< 0.40 U	< 0.40 U	–	< 34 UJ	< 0.20 U	–	< 0.40 U
WR-MW-02	05/07/20	–	–	–	< 0.40 U	< 0.40 U	–	16	< 0.20 U	–	< 0.40 U
WR-MW-02	11/18/20	–	–	–	< 0.20 U	< 0.20 U	–	27 J	< 0.20 U	–	< 0.30 U
WR-MW-02	11/29/22	–	–	–	< 0.16 U	< 0.20 U	–	< 8.0 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

Table B-1. Historical Groundwater Monitoring Results - Organics

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

Table B-1. Historical Groundwater Monitoring Results - Organics

Analyte		TPH-Diesel	TPH-Gas	TPH-Oil	1,1,1-TCA	1,1-DCE	4-Methyl phenol	Acetone	Benzene	bis(2-Ethylhexyl)-Phthalate	Bromodichloro-methane
Units		µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
California MCL		N/A	N/A	N/A	200	6	N/A	N/A	1	4	80
Historical MCL Exceedances?		No	No	No	No	No	No	No	Yes	Yes	No
Well ID	**Sampled**										
WR-MW-04A	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-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

Table B-1. Historical Groundwater Monitoring Results - Organics

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

Table B-1. Historical Groundwater Monitoring Results - Organics

Analyte		TPH-Diesel	TPH-Gas	TPH-Oil	1,1,1-TCA	1,1-DCE	4-Methyl phenol	Acetone	Benzene	bis(2-Ethylhexyl)-Phthalate	Bromodichloro-methane
Units		µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
California MCL		N/A	N/A	N/A	200	6	N/A	N/A	1	4	80
Historical MCL Exceedances?		No	No	No	No	No	No	No	Yes	Yes	No
Well ID	**Sampled**										
WR-MW-05A	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-05B	09/30/02	< 500 U	< 50 U	–	< 0.50 U	0.16 J	< 10 U	< 10 UJ	< 0.50 U	< 10 U	< 0.50 U
WR-MW-05B	02/09/03	–	–	–	< 0.50 U	0.80	–	< 10 U	< 0.50 U	–	< 0.50 U
WR-MW-05B	05/29/03	–	–	–	< 0.50 U	0.9 J+	–	< 10 U	< 0.50 U	–	< 0.50 U
WR-MW-05B	08/06/03	–	–	–	< 0.50 U	0.70	–	< 10 U	< 0.50 U	–	< 0.50 U
WR-MW-05B	11/10/03	–	–	–	< 0.50 U	1.0	–	< 10 U	< 0.50 U	–	< 0.50 U
WR-MW-05B	12/08/04	–	–	–	< 0.50 U	1.7	–	< 10 U	< 0.50 U	–	< 0.50 U
WR-MW-05B	12/07/05	–	–	–	< 0.50 U	0.70	–	< 10 U	< 0.50 U	–	< 0.50 U
WR-MW-05B	12/13/06	–	–	–	< 0.50 U	< 0.50 U	–	< 10 U	< 0.50 U	–	< 0.50 U
WR-MW-06A	10/03/02	< 50 U	< 50 U	–	< 0.50 U	< 0.50 U	< 10 U	< 10 U	< 0.50 U	< 10 U	< 0.50 U
WR-MW-06A	02/08/03	–	–	–	< 0.50 U	< 0.50 U	–	< 10 U	< 0.50 U	–	< 0.50 U
WR-MW-06A	05/22/03	–	–	–	< 0.50 U	< 0.50 U	–	< 10 U	< 0.50 U	–	< 0.50 U
WR-MW-06A	08/06/03	–	–	–	< 0.50 U	< 0.50 U	–	< 10 U	< 0.50 U	–	< 0.50 U
WR-MW-06A	11/11/03	–	–	–	< 0.50 U	< 0.50 U	–	< 10 U	< 0.50 U	–	< 0.50 U
WR-MW-06A	12/09/04	–	–	–	< 0.50 U	< 0.50 U	–	< 10 U	< 0.50 U	–	< 0.50 U
WR-MW-06A	12/07/05	–	–	–	< 0.50 U	< 0.50 U	–	< 10 U	< 0.50 U	–	< 0.50 U
WR-MW-06A	12/13/06	–	–	–	< 0.50 U	< 0.50 U	–	< 10 U	< 0.50 U	–	< 0.50 U
WR-MW-06A	12/13/07	–	–	–	< 0.50 U	< 0.50 U	–	< 10 U	< 0.50 U	–	< 0.50 U
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

Table B-1. Historical Groundwater Monitoring Results - Organics

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

Table B-1. Historical Groundwater Monitoring Results - Organics

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

Table B-1. Historical Groundwater Monitoring Results - Organics

Analyte		TPH-Diesel	TPH-Gas	TPH-Oil	1,1,1-TCA	1,1-DCE	4-Methyl phenol	Acetone	Benzene	bis(2-Ethylhexyl)-Phthalate	Bromodichloro-methane
Units		µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
California MCL		N/A	N/A	N/A	200	6	N/A	N/A	1	4	80
Historical MCL Exceedances?		No	No	No	No	No	No	No	Yes	Yes	No
Well ID	**Sampled**										
WR-MW-08A	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-09A	10/03/02	< 50 U	< 50 U	–	0.14 J	0.16 J	< 10 U	< 20 U	0.17 J	< 10 U	0.10 J
WR-MW-09A	02/12/03	–	–	–	< 0.50 U	< 0.50 U	–	< 10 U	< 0.50 U	–	< 0.50 U
WR-MW-09A	06/26/03	–	–	–	< 0.50 U	< 0.50 U	–	< 10 U	< 0.50 U	–	< 0.50 U
WR-MW-09A	08/06/03	< 50 U	< 50 U	–	< 0.50 U	< 0.50 U	< 9.6 U	< 10 U	< 0.50 U	< 9.6 U	< 0.50 U
WR-MW-09A	11/11/03	< 85 U	< 50 U	–	< 0.50 U	< 0.50 U	< 9.5 U	< 10 U	< 0.50 U	< 9.5 U	< 0.50 U
WR-MW-09A	02/10/04	< 50 U	< 50 U	–	< 0.50 U	< 0.50 U	< 9.6 U	< 10 U	< 0.50 U	< 9.6 U	< 0.50 U
WR-MW-09A	05/24/04	< 50 U	< 50 U	–	< 0.50 U	< 0.50 U	< 9.6 U	< 10 U	< 0.50 U	< 9.6 U	< 0.50 U
WR-MW-09A	09/02/04	< 300 U	< 50 U	–	< 0.50 U	< 0.50 U	< 10 U	< 10 U	< 0.50 U	< 10 U	< 0.50 U
WR-MW-09A	12/08/04	< 50 U	< 50 U	< 300 U	< 0.50 U	< 0.50 U	< 9.5 U	< 10 U	< 0.50 U	< 9.5 U	< 0.50 U
WR-MW-09A	12/08/04	< 50 U	< 50 U	< 300 U	< 0.50 U	< 0.50 U	< 10 U	< 10 U	< 0.50 U	< 10 U	< 0.50 U
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

Table B-1. Historical Groundwater Monitoring Results - Organics

Analyte		TPH-Diesel	TPH-Gas	TPH-Oil	1,1,1-TCA	1,1-DCE	4-Methyl phenol	Acetone	Benzene	bis(2-Ethylhexyl)-Phthalate	Bromodichloro-methane
Units		µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
California MCL		N/A	N/A	N/A	200	6	N/A	N/A	1	4	80
Historical MCL Exceedances?		No	No	No	No	No	No	No	Yes	Yes	No
Well ID	**Sampled**										
WR-MW-09A	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
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

Table B-1. Historical Groundwater Monitoring Results - Organics

Analyte		TPH-Diesel	TPH-Gas	TPH-Oil	1,1,1-TCA	1,1-DCE	4-Methyl phenol	Acetone	Benzene	bis(2-Ethylhexyl)-Phthalate	Bromodichloro-methane
Units		µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
California MCL		N/A	N/A	N/A	200	6	N/A	N/A	1	4	80
Historical MCL Exceedances?		No	No	No	No	No	No	No	Yes	Yes	No
Well ID	**Sampled**										
WR-MW-09A	11/29/22	–	–	–	< 0.16 U	< 0.20 U	–	< 8.0 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
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

Table B-1. Historical Groundwater Monitoring Results - Organics

Analyte		TPH-Diesel	TPH-Gas	TPH-Oil	1,1,1-TCA	1,1-DCE	4-Methyl phenol	Acetone	Benzene	bis(2-Ethylhexyl)-Phthalate	Bromodichloro-methane
Units		µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
California MCL		N/A	N/A	N/A	200	6	N/A	N/A	1	4	80
Historical MCL Exceedances?		No	No	No	No	No	No	No	Yes	Yes	No
Well ID	**Sampled**										
WR-MW-10A	11/29/22	–	–	–	< 0.16 U	< 0.20 U	–	< 8.0 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
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

Table B-1. Historical Groundwater Monitoring Results - Organics

Analyte		TPH-Diesel	TPH-Gas	TPH-Oil	1,1,1-TCA	1,1-DCE	4-Methyl phenol	Acetone	Benzene	bis(2-Ethylhexyl)-Phthalate	Bromodichloro-methane
Units		µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
California MCL		N/A	N/A	N/A	200	6	N/A	N/A	1	4	80
Historical MCL Exceedances?		No	No	No	No	No	No	No	Yes	Yes	No
Well ID	**Sampled**										
WR-MW-11A	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-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
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

Table B-1. Historical Groundwater Monitoring Results - Organics

Analyte		TPH-Diesel	TPH-Gas	TPH-Oil	1,1,1-TCA	1,1-DCE	4-Methyl phenol	Acetone	Benzene	bis(2-Ethylhexyl)-Phthalate	Bromodichloro-methane
Units		µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
California MCL		N/A	N/A	N/A	200	6	N/A	N/A	1	4	80
Historical MCL Exceedances?		No	No	No	No	No	No	No	Yes	Yes	No
Well ID	**Sampled**										
WR-MW-12A	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

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**										
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

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**										
WR-MW-01	09/14/05	< 2 U	< 2 U	< 1 U	**23**	< 1 U	–	84	6.9	< 1 U	390
WR-MW-01	12/06/05	< 1 U	< 1 U	< 0.50 U	**13**	< 0.50 U	–	420	5.4	< 0.50 U	< 480 U
WR-MW-01	03/14/06	< 1 U	< 1 U	< 0.50 U	**10**	< 0.50 U	–	690	2.6	0.90	< 4800 U
WR-MW-01	06/26/06	< 2 U	< 2 U	< 1 U	**12**	< 1 U	< 2000 U	< 20 U	4.1	< 1 U	< 9.4 U
WR-MW-01	06/26/06	< 2 U	< 2 U	< 1 U	**13**	< 1 U	< 2000 U	< 20 U	4.3	< 1 U	< 9.4 U
WR-MW-01	09/26/06	< 5 U	< 5 U	< 2.5 U	**7.4**	< 2.5 U	< 5000 U	< 50 U	< 2.5 U	< 2 U	10
WR-MW-01	09/26/06	< 1 U	< 1 U	< 0.50 U	**9.1**	< 1 U	< 1000 U	< 10 U	2.8	< 0.50 U	12
WR-MW-01	12/13/06	< 1 U	< 1 U	< 0.50 U	**8.3**	< 0.50 U	< 1000 U	< 10 U	2.5	< 0.50 U	< 9.4 U
WR-MW-01	03/27/07	< 5 U	< 5 U	< 2.5 U	**8.3**	< 2.5 U	< 5000 U	< 50 U	2.7	< 2.5 U	< 19 U
WR-MW-01	06/12/07	< 1 U	< 1 U	< 0.50 U	4.4	< 0.50 U	< 1000 U	< 10 U	2.0	< 0.50 U	< 9.4 U
WR-MW-01	06/12/07	< 1 U	< 1 U	< 0.50 U	5.1	< 0.50 U	< 1000 U	< 10 U	2.1	0	< 9.4 U
WR-MW-01	09/26/07	< 1 U	< 1 U	< 0.50 U	**6.2**	< 0.50 U	< 1000 U	< 10 U	2.2	< 0.50 U	< 9.5 U
WR-MW-01	09/26/07	< 1 U	< 1 U	< 0.50 U	**6.1**	< 0.50 U	< 1000 U	< 10 U	2.1	< 0.50 U	< 9.5 U
WR-MW-01	12/13/07	< 1 U	< 1 U	< 0.50 U	4.5	< 0.50 U	< 1000 U	< 10 U	1.4	< 0.50 U	–
WR-MW-01	12/13/07	< 1 U	< 1 U	< 0.50 U	4.0	< 0.50 U	< 1000 U	< 10 U	1.3	< 0.50 U	–
WR-MW-01	03/27/08	< 1 U	< 1 U	< 0.50 U	**7.5**	< 0.50 U	< 1000 U	< 10 U	1.2	< 0.50 U	< 9.4 U
WR-MW-01	03/27/08	< 1 U	< 1 U	< 0.50 U	**7.6**	< 0.50 U	< 1000 U	< 10 U	1.1	< 0.50 U	< 9.4 U
WR-MW-01	10/08/08	< 1 U	< 1 U	< 0.50 U	5.4	< 0.50 U	< 1000 U	< 10 U	0.70	1.4	< 9.4 U
WR-MW-01	10/08/08	< 1 U	< 1 U	< 0.50 U	5.6	< 0.50 U	< 1000 U	< 10 U	0.80	1.5	< 9.4 U
WR-MW-01	04/09/09	< 1 U	< 1 U	< 0.50 U	**6.3**	< 0.50 U	< 1000 U	< 10 U	< 0.50 U	0.80	–
WR-MW-01	04/09/09	< 1 U	< 1 U	< 0.50 U	**6.6**	< 0.50 U	< 1000 U	< 10 U	0.50	0.80	–
WR-MW-01	06/24/10	< 1 U	< 1 U	< 0.50 U	**11**	< 0.50 U	< 1000 U	< 10 U	< 0.50 U	3.8	–
WR-MW-01	06/24/10	< 1 U	< 1 U	< 0.50 U	**9.4**	< 0.50 U	< 1000 U	< 10 U	< 0.50 U	4.1	–
WR-MW-01	01/26/11	< 1 U	< 1 U	< 0.50 U	3.8	< 0.50 U	< 1000 U	< 10 U	< 0.50 U	**6.2**	–
WR-MW-01	01/26/11	< 1 U	< 1 U	< 0.50 U	3.4	< 0.50 U	< 1000 U	< 10 U	< 0.50 U	4.9	–
WR-MW-01	06/20/11	< 1 U	< 1 U	< 0.50 U	**6.3**	< 0.50 U	< 1000 U	< 10 U	< 0.50 U	**9.2**	–
WR-MW-01	06/20/11	< 1 U	< 1 U	< 0.50 U	**6.3**	< 0.50 U	< 1000 U	< 10 U	< 0.50 U	**9.0**	–
WR-MW-01	01/11/12	< 1 U	< 1 U	< 0.50 U	**10**	< 0.50 U	< 1000 U	< 10 U	< 0.50 U	**12**	–
WR-MW-01	01/11/12	< 1 U	< 1 U	< 0.50 U	**10**	< 0.50 U	< 1000 U	< 10 U	< 0.50 U	**11**	–
WR-MW-01	06/26/12	< 1 U	< 1 U	< 0.50 U	**14**	< 0.50 U	< 1000 U	< 10 U	< 0.50 U	**11**	–
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**	–

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**										
WR-MW-01	01/04/13	< 1 U	< 1 U	< 0.50 U	**17**	< 0.50 U	< 1000 U	< 10 U	< 0.50 U	**8.9**	–
WR-MW-01	06/25/13	< 1 U	< 1 U	< 0.50 U	**18**	< 0.50 U	< 1000 U	< 10 U	< 0.50 U	**7.4**	–
WR-MW-01	06/25/13	< 1 U	< 1 U	< 0.50 U	**17**	< 0.50 U	< 1000 U	< 10 U	< 0.50 U	**7.2**	–
WR-MW-01	12/03/13	< 1 U	< 1 U	< 0.50 U	**13**	< 0.50 U	< 1000 U	< 10 U	< 0.50 U	4.0	–
WR-MW-01	12/03/13	< 1 U	< 1 U	< 0.50 U	**13**	< 0.50 U	< 1000 U	< 10 U	< 0.50 U	4.0	–
WR-MW-01	06/30/14	< 1 U	< 1 U	< 0.50 U	**8.6**	< 0.50 U	< 1000 U	< 10 U	< 0.50 U	4.1	–
WR-MW-01	06/30/14	< 1 U	< 1 U	< 0.50 U	**8.8**	< 0.50 U	< 1000 U	< 10 U	< 0.50 U	3.9	–
WR-MW-01	11/05/14	< 1 U	< 1 U	< 0.50 U	2.4	< 0.50 U	< 1000 U	< 10 U	< 0.50 U	3.8	–
WR-MW-01	11/05/14	< 1 U	< 1 U	< 0.50 U	2.8	< 0.50 U	< 1000 U	< 10 U	< 0.50 U	3.0	–
WR-MW-01	09/28/16	< 0.40 U	< 0.40 U	< 0.20 U	0.70	< 0.20 U	–	40	< 0.20 U	0.70	–
WR-MW-01	12/21/16	< 0.40 U	< 0.40 U	< 0.20 U	4.9	< 0.20 U	–	20	< 0.20 U	3.4	–
WR-MW-01	06/28/17	< 0.40 U	< 0.40 U	< 0.20 U	**10**	< 0.40 U	< 40 U	1 J	< 0.40 U	1.3	–
WR-MW-01	12/19/17	< 0.40 U	< 0.8 U	< 0.40 U	**13**	< 0.40 U	17 J	4.5 J	< 0.40 U	0.90	–
WR-MW-01	06/14/18	< 0.40 U	< 0.8 U	< 0.40 U	**15**	< 0.20 U	–	< 4 U	< 0.20 U	0.80	–
WR-MW-01	12/14/18	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	–	< 5 UJ	< 0.50 U	0.33	–
WR-MW-01	12/14/18	< 0.50 U	< 0.50 U	< 0.50 U	0.18	< 0.50 U	–	< 5 UJ	< 0.50 U	0.23	–
WR-MW-01	06/25/19	< 0.40 U	< 0.8 U	< 0.40 U	0.40	< 0.40 U	–	< 1 U	< 0.40 U	0.70	–
WR-MW-01	12/30/19	< 0.40 U	< 0.8 U	< 1 U	3.1 J	< 0.40 U	–	< 4 U	< 0.40 U	0.30 J	–
WR-MW-01	12/30/19	< 0.40 U	< 0.8 U	< 1 U	2.3 J	< 0.40 U	–	< 4 U	< 0.40 U	0.30 J	–
WR-MW-01	05/07/20	< 0.40 UJ	< 0.8 UJ	< 1 UJ	**8 J**	< 0.40 UJ	–	< 4 UJ	< 0.40 UJ	0.30 J	–
WR-MW-01	05/07/20	< 0.40 U	< 0.8 U	< 1 U	**8.4**	< 0.40 U	–	< 4 UJ	< 0.40 U	0.30	–
WR-MW-01	11/18/20	< 0.30 U	< 0.50 U	< 0.20 U	1.4	< 0.20 U	–	< 10 U	< 0.30 U	0.34	–
WR-MW-01	11/18/20	< 0.30 U	< 0.50 U	< 0.20 U	0.14	< 0.20 U	–	10 J	< 0.30 U	0.28	–
WR-MW-01	11/29/22	< 0.30 U	< 0.16 UJ	< 0.16 U	**18**	< 0.16 U	–	< 3.0 U	< 0.16 U	0.32 J	–
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	–

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**										
WR-MW-01B	09/02/04	< 1 U	< 1 U	< 0.50 U	< 0.50 U	< 0.50 U	< 1000 U	< 10 U	< 0.50 U	< 0.50 U	–
WR-MW-01B	12/08/04	< 1 U	< 1 U	< 0.50 U	< 0.50 U	< 0.50 U	< 1000 U	< 10 U	< 0.50 U	< 0.50 U	–
WR-MW-01B	03/02/05	< 1 U	< 1 U	< 0.50 U	< 0.50 U	< 0.50 U	< 1000 U	< 10 U	1.5	< 0.50 U	–
WR-MW-01B	06/07/05	< 1 U	< 1 U	< 0.50 U	< 0.50 U	< 0.50 U	< 1000 U	< 10 U	< 0.50 U	< 0.50 U	–
WR-MW-01B	09/13/05	< 1 U	< 1 U	< 0.50 U	< 0.50 U	< 0.50 U	–	< 10 U	< 0.50 U	< 0.50 U	–
WR-MW-01B	12/06/05	< 1 U	< 1 U	< 0.50 U	< 0.50 U	< 0.50 U	–	< 10 U	< 0.50 U	< 0.50 U	–
WR-MW-01B	03/14/06	< 1 U	< 1 U	< 0.50 U	< 0.50 U	< 0.50 U	–	< 10 U	< 0.50 U	< 0.50 U	–
WR-MW-01B	06/26/06	< 1 U	< 1 U	< 0.50 U	< 0.50 U	< 0.50 U	< 1000 U	< 10 U	< 0.50 U	< 0.50 U	–
WR-MW-01B	09/26/06	< 1 U	< 1 U	< 0.50 U	< 0.50 U	< 0.50 U	< 1000 U	< 10 U	< 0.50 U	< 0.50 U	–
WR-MW-01B	12/13/06	< 1 U	< 1 U	< 0.50 U	< 0.50 U	< 0.50 U	< 1000 U	< 10 U	< 0.50 U	< 0.50 U	–
WR-MW-01B	03/26/07	< 1 U	< 1 U	< 0.50 U	< 0.50 U	< 0.50 U	< 1000 U	< 10 U	< 0.50 U	< 0.50 U	–
WR-MW-01B	06/12/07	< 1 U	< 1 U	< 0.50 U	< 0.50 U	< 0.50 U	< 1000 U	< 10 U	< 0.50 U	< 0.50 U	–
WR-MW-01B	09/25/07	< 1 U	< 1 U	< 0.50 U	< 0.50 U	< 0.50 U	< 1000 U	< 10 U	< 0.50 U	< 0.50 U	–
WR-MW-01B	12/13/07	< 1 U	< 1 U	< 0.50 U	< 0.50 U	< 0.50 U	< 1000 U	< 10 U	< 0.50 U	< 0.50 U	–
WR-MW-01B	03/26/08	< 1 U	< 1 U	< 0.50 U	< 0.50 U	< 0.50 U	< 1000 U	< 10 U	< 0.50 U	< 0.50 U	–
WR-MW-01B	10/07/08	< 1 U	< 1 U	< 0.50 U	< 0.50 U	< 0.50 U	< 1000 U	< 10 U	< 0.50 U	< 0.50 U	–
WR-MW-01B	10/07/08	< 1 U	< 1 U	< 0.50 U	< 0.50 U	< 0.50 U	< 1000 U	< 10 U	< 0.50 U	< 0.50 U	–
WR-MW-01B	04/09/09	< 1 U	< 1 U	< 0.50 U	< 0.50 U	< 0.50 U	< 1000 U	< 10 U	< 0.50 U	< 0.50 U	–
WR-MW-01B	06/23/10	< 1 U	< 1 U	< 0.50 U	< 0.50 U	< 0.50 U	< 1000 U	< 10 U	< 0.50 U	< 0.50 U	–
WR-MW-01B	02/14/11	< 1 U	< 1 U	< 0.50 U	< 0.50 U	< 0.50 U	< 1000 U	< 10 U	< 0.50 U	< 0.50 U	–
WR-MW-01B	01/10/12	< 1 U	< 1 U	< 0.50 U	< 0.50 U	< 0.50 U	< 1000 U	< 10 U	< 0.50 U	< 0.50 U	–
WR-MW-01B	01/03/13	< 1 U	< 1 U	< 0.50 U	< 0.50 U	< 0.50 U	< 1000 U	< 10 U	< 0.50 U	< 0.50 U	–
WR-MW-01B	12/03/13	< 1 U	< 1 U	< 0.50 U	< 0.50 U	< 0.50 U	< 1000 U	< 10 U	< 0.50 U	< 0.50 U	–
WR-MW-01B	11/04/14	< 1 U	< 1 U	< 0.50 U	< 0.50 U	< 0.50 U	< 1000 U	< 10 U	< 0.50 U	< 0.50 U	–
WR-MW-01B	06/28/17	< 0.40 U	< 0.40 U	< 0.20 U	< 0.40 U	< 0.40 U	< 40 U	1.4 J	0.20 J	0.10 J	–
WR-MW-01B	12/19/17	< 0.40 U	< 0.8 U	< 0.20 U	< 0.40 U	< 0.40 U	< 80 U	6.9 J	0.20 J	0.10 J	–
WR-MW-01B	12/14/18	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	–	< 5 UJ	< 0.50 U	< 0.50 U	–
WR-MW-01B	06/25/19	< 0.40 U	< 0.8 U	< 0.40 U	< 0.20 U	< 0.40 U	–	1.4	0.20	< 0.40 U	–
WR-MW-01B	06/25/19	< 0.40 U	< 0.8 U	< 0.40 U	< 0.20 U	< 0.40 U	–	1.3	0.10	< 0.40 U	–
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	–

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**										
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 UJ	< 0.16 U	< 0.16 U	< 0.16 U	–	< 3.0 U	< 0.16 U	< 0.30 U	–
WR-MW-02	07/27/01	< 5 U	< 1 U	< 0.40 U	–	< 0.50 U	–	< 20 U	< 10 U	**5.3**	–
WR-MW-02	01/03/02	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	–	–	< 0.50 U	**8.1**	< 10 U
WR-MW-02	04/18/02	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	–	< 5 U	–	**8.0**	< 10 U
WR-MW-02	04/18/02	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	–	< 5 U	–	**6.7**	< 10 U
WR-MW-02	08/13/02	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	–	< 5 U	< 0.50 U	**6.4**	< 10 U
WR-MW-02	11/14/02	< 0.50 U	< 0.50 UJ	< 0.50 UJ	< 0.50 UJ	< 0.50 U	–	< 5 UJ	< 0.50 UJ	**11 J+**	–
WR-MW-02	02/08/03	< 1 U	< 1 U	< 0.50 U	< 0.50 U	< 0.50 U	–	< 10 U	< 0.50 U	**7.3**	–
WR-MW-02	05/27/03	< 1 U	< 1 U	< 0.50 U	< 0.50 U	< 0.50 U	–	< 10 U	< 0.50 U	**7.2**	–
WR-MW-02	08/05/03	< 1 U	< 1 U	< 0.50 U	< 0.50 U	< 0.50 U	< 1000 U	< 10 U	< 0.50 U	**7.9**	< 9.7 U
WR-MW-02	11/10/03	< 1 U	< 1 U	< 0.50 U	< 0.50 U	< 0.50 U	< 1000 U	< 10 U	< 0.50 U	**8.1**	< 9.5 U
WR-MW-02	02/10/04	< 1 U	< 1 U	< 0.50 U	< 0.50 U	< 0.50 U	< 1000 U	< 10 U	< 0.50 U	**7.3**	< 9.4 U
WR-MW-02	05/25/04	< 1 U	< 1 U	< 0.50 U	< 0.50 U	< 0.50 U	–	< 10 U	< 0.50 U	**8.0**	< 9.4 U
WR-MW-02	09/03/04	< 1 U	< 1 U	< 0.50 U	< 0.50 U	< 0.50 U	< 1000 U	< 10 U	< 0.50 U	**6.7 J+**	< 10 U
WR-MW-02	12/07/04	< 1 U	< 1 U	< 0.50 U	< 0.50 U	< 0.50 U	< 1000 U	< 10 U	< 0.50 U	**7.4**	< 9.5 U
WR-MW-02	03/02/05	< 1 U	< 1 U	< 0.50 U	< 0.50 U	< 0.50 U	< 1000 U	< 10 U	< 0.50 U	**9.8**	< 9.5 U
WR-MW-02	06/07/05	< 1 U	< 1 U	< 0.50 U	< 0.50 U	< 0.50 U	< 1000 U	< 10 U	< 0.50 U	**15**	< 9.5 U
WR-MW-02	09/14/05	< 1 U	< 1 U	< 0.50 U	< 0.50 U	< 0.50 U	< 1000 U	< 10 U	< 0.50 U	**16**	< 10 U
WR-MW-02	12/06/05	< 1 U	< 1 U	< 0.50 U	< 0.50 U	< 0.50 U	< 1000 U	< 10 U	< 0.50 U	**15**	< 9.4 U
WR-MW-02	03/14/06	< 1 U	< 1 U	< 0.50 U	1.6	< 0.50 U	< 1000 U	< 10 U	< 0.50 U	**18**	< 9.4 U
WR-MW-02	06/27/06	< 1 U	< 1 U	< 0.50 U	2.0	< 0.50 U	< 1000 U	< 10 U	< 0.50 U	**16**	–
WR-MW-02	09/25/06	< 1 U	< 1 U	< 0.50 U	1.5	< 0.50 U	< 1000 U	< 10 U	< 0.50 U	**19**	–
WR-MW-02	12/13/06	< 1 U	< 1 U	< 0.50 U	2.8	< 0.50 U	< 1000 U	< 10 U	< 0.50 U	**17**	–
WR-MW-02	03/26/07	< 1 U	< 1 U	< 0.50 U	4.0	< 0.50 U	< 1000 U	< 10 U	< 0.50 U	**16**	–
WR-MW-02	06/12/07	< 1 U	< 1 U	< 0.50 U	4.4	< 0.50 U	< 1000 U	< 10 U	< 0.50 U	**15**	–
WR-MW-02	09/25/07	< 1 U	< 1 U	< 0.50 U	3.1	< 0.50 U	< 1000 U	< 10 U	< 0.50 U	4.4	–
WR-MW-02	12/13/07	< 1 U	< 1 U	< 0.50 U	< 0.50 U	< 0.50 U	< 1000 U	< 10 U	< 0.50 U	**6.3**	–
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**	–

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**										
WR-MW-02	09/28/09	< 1 U	< 1 U	< 0.50 U	**14**	< 0.50 U	< 1000 U	< 10 U	< 0.50 U	**16**	–
WR-MW-02	07/01/10	< 1 U	< 1 U	< 0.50 U	**6.5**	< 0.50 U	< 1000 U	< 10 U	< 0.50 U	**17**	–
WR-MW-02	01/27/11	< 1 U	< 1 U	< 0.50 U	4.8	< 0.50 U	< 1000 U	< 10 U	< 0.50 U	**13**	–
WR-MW-02	06/20/11	< 1 U	< 1 U	< 0.50 U	**7.9**	< 0.50 U	< 1000 U	< 10 U	< 0.50 U	**15**	–
WR-MW-02	01/11/12	< 1 U	< 1 U	< 0.50 U	**6.0**	< 0.50 U	< 1000 U	< 10 U	< 0.50 U	**18**	–
WR-MW-02	06/27/12	< 1 U	< 1 U	< 0.50 U	4.7	< 0.50 U	< 1000 U	< 10 U	< 0.50 U	**19**	–
WR-MW-02	01/04/13	< 1 U	< 1 U	< 0.50 U	3.4	< 0.50 U	< 1000 U	< 10 U	< 0.50 U	**15**	–
WR-MW-02	06/26/13	< 1 U	< 1 U	< 0.50 U	2.8	< 0.50 U	< 1000 U	< 10 U	< 0.50 U	**14**	–
WR-MW-02	12/04/13	< 1 U	< 1 U	< 0.50 U	< 0.50 U	< 0.50 U	< 1000 U	< 10 U	< 0.50 U	**11**	–
WR-MW-02	07/01/14	< 1 U	< 1 U	< 0.50 U	< 0.50 U	< 0.50 U	< 1000 U	< 10 U	< 0.50 U	**5.6**	–
WR-MW-02	11/04/14	< 1 U	< 1 U	< 0.50 U	< 0.50 U	< 0.50 U	< 1000 U	< 10 U	< 0.50 U	4.8	–
WR-MW-02	09/28/16	< 0.40 U	< 0.40 U	0.20 J	< 0.20 U	< 0.20 U	–	45	< 0.20 U	**9.4**	–
WR-MW-02	12/21/16	0.40 J	0.40 J	0.20 J	0.20 J	0.20 J	–	43 J	0.20 J	**22 J**	–
WR-MW-02	06/28/17	< 0.40 U	< 0.40 U	< 0.20 U	< 0.40 U	< 0.40 U	< 40 U	1.3 J	< 0.40 U	**21**	–
WR-MW-02	12/19/17	< 0.40 U	< 0.8 U	< 0.20 U	< 0.40 U	< 0.40 U	< 80 U	5.5 J	< 0.40 U	**21**	–
WR-MW-02	12/14/18	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	–	< 5 UJ	< 0.50 U	**8.8**	–
WR-MW-02	12/14/18	< 0.40 U	< 0.8 U	< 0.40 U	0.40 J	< 0.20 U	–	< 4 U	< 0.20 U	**18**	–
WR-MW-02	06/25/19	< 0.40 U	< 0.8 U	< 0.40 U	< 0.20 U	< 0.40 U	–	1.0	< 0.40 U	**7.6**	–
WR-MW-02	12/30/19	< 0.40 U	< 0.8 U	< 0.40 U	< 0.40 U	< 0.40 U	–	< 4 U	< 0.40 U	**17**	–
WR-MW-02	05/07/20	< 0.40 U	< 0.8 U	< 1 U	< 0.40 U	< 0.40 U	–	< 4 UJ	< 0.40 U	**12**	–
WR-MW-02	11/18/20	< 0.20 U	< 0.50 U	< 0.50 U	< 0.20 U	< 0.20 U	–	10 J	< 0.30 U	**6.9**	–
WR-MW-02	11/29/22	< 0.30 U	< 0.16 UJ	< 0.16 U	< 0.16 U	< 0.16 U	–	< 3.0 U	< 0.16 U	0.82	–
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

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**										
WR-MW-03	12/08/05	< 1 U	< 1 U	< 0.50 U	< 0.50 U	< 0.50 U	< 1000 U	< 10 U	< 0.50 U	< 0.50 U	< 9.5 U
WR-MW-03	12/14/06	< 1 U	< 1 U	< 0.50 U	< 0.50 U	< 0.50 U	< 1000 U	< 10 U	< 0.50 U	< 0.50 U	–
WR-MW-03	12/13/07	< 1 U	< 1 U	< 0.50 U	< 0.50 U	< 0.50 U	< 1000 U	< 10 U	< 0.50 U	< 0.50 U	–
WR-MW-03	10/07/08	< 1 U	< 1 U	< 0.50 U	< 0.50 U	< 0.50 U	< 1000 U	< 10 U	< 0.50 U	< 0.50 U	–
WR-MW-04A	10/03/02	0.77 J+	< 0.50 U	0.078 J	< 0.50 U	0.47 J	–	< 5 U	< 0.50 U	< 0.50 U	< 10 U
WR-MW-04A	02/08/03	< 1 U	< 1 U	< 0.50 U	< 0.50 U	< 0.50 U	–	< 10 U	< 0.50 U	< 0.50 U	–
WR-MW-04A	05/22/03	< 1 U	< 1 U	< 0.50 U	< 0.50 U	< 0.50 U	–	< 10 U	< 0.50 U	< 0.50 U	–
WR-MW-04A	08/05/03	< 1 U	< 1 U	< 0.50 U	< 0.50 U	< 0.50 U	< 1000 U	< 10 U	< 0.50 U	< 0.50 U	–
WR-MW-04A	11/10/03	< 1 U	< 1 U	< 0.50 U	< 0.50 U	< 0.50 U	< 1000 U	< 10 U	< 0.50 U	< 0.50 U	–
WR-MW-04A	12/08/04	< 1 U	< 1 U	< 0.50 U	< 0.50 U	< 0.50 U	< 1000 U	< 10 U	< 0.50 U	< 0.50 U	–
WR-MW-04A	12/08/04	< 1 U	< 1 U	< 0.50 U	< 0.50 U	< 0.50 U	< 1000 U	< 10 U	< 0.50 U	< 0.50 U	–
WR-MW-04A	12/07/05	< 1 U	< 1 U	< 0.50 U	< 0.50 U	< 0.50 U	< 1000 U	< 10 U	2.7	< 0.50 U	–
WR-MW-04A	03/14/06	< 1 U	< 1 U	< 0.50 U	< 0.50 U	< 0.50 U	< 1000 U	< 10 U	2.5	0.60	–
WR-MW-04A	06/27/06	< 1 U	< 1 U	< 0.50 U	< 0.50 U	< 0.50 U	< 1000 U	< 10 U	2.9	1.0	–
WR-MW-04A	09/26/06	< 1 U	< 1 U	< 0.50 U	< 0.50 U	< 0.50 U	< 1000 U	< 10 U	1.2	0.80	–
WR-MW-04A	12/13/06	< 1 U	< 1 U	< 0.50 U	< 0.50 U	< 0.50 U	< 1000 U	< 10 U	< 0.50 U	0.60	–
WR-MW-04A	03/26/07	< 1 U	< 1 U	< 0.50 U	< 0.50 U	< 0.50 U	< 1000 U	< 10 U	< 0.50 U	< 0.50 U	–
WR-MW-04A	06/11/07	< 1 U	< 1 U	< 0.50 U	< 0.50 U	< 0.50 U	< 1000 U	< 10 U	< 0.50 U	< 0.50 U	–
WR-MW-04A	09/25/07	< 1 U	< 1 U	< 0.50 U	< 0.50 U	< 0.50 U	< 1000 U	< 10 U	< 0.50 U	< 0.50 U	–
WR-MW-04A	12/13/07	< 1 U	< 1 U	< 0.50 U	< 0.50 U	< 0.50 U	< 1000 U	< 10 U	< 0.50 U	< 0.50 U	–
WR-MW-04A	03/26/08	< 1 U	< 1 U	< 0.50 U	< 0.50 U	< 0.50 U	< 1000 U	< 10 U	< 0.50 U	< 0.50 U	–
WR-MW-04A	10/07/08	< 1 U	< 1 U	< 0.50 U	< 0.50 U	< 0.50 U	< 1000 U	< 10 U	< 0.50 U	< 0.50 U	–
WR-MW-04A	04/08/09	< 1 U	< 1 U	< 0.50 U	< 0.50 U	< 0.50 U	< 1000 U	< 10 U	< 0.50 U	< 0.50 U	–
WR-MW-04A	06/23/10	< 1 U	< 1 U	< 0.50 U	< 0.50 U	< 0.50 U	< 1000 U	< 10 U	< 0.50 U	< 0.50 U	–
WR-MW-04A	02/14/11	< 1 U	< 1 U	< 0.50 U	< 0.50 U	< 0.50 U	< 1000 U	< 10 U	< 0.50 U	< 0.50 U	–
WR-MW-04A	06/20/11	< 1 U	< 1 U	< 0.50 U	1.1	< 0.50 U	< 1000 U	< 10 U	< 0.50 U	1.9	–
WR-MW-04A	01/10/12	< 1 U	< 1 U	< 0.50 U	< 0.50 U	< 0.50 U	< 1000 U	< 10 U	< 0.50 U	2.6	–
WR-MW-04A	06/26/12	< 1 U	< 1 U	< 0.50 U	< 0.50 U	< 0.50 U	< 1000 U	< 10 U	< 0.50 U	2.1	–
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**	–

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**										
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 UJ	< 0.16 U	0.80	< 0.16 U	–	< 3.0 U	< 0.16 U	**5.3**	–
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

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**										
WR-MW-05A	12/08/04	< 1 U	< 1 U	< 0.50 U	**20**	< 0.50 U	< 1000 U	< 10 U	10	**100**	< 9.5 U
WR-MW-05A	03/01/05	< 1 U	< 1 U	< 0.50 U	**40**	< 0.50 U	< 1000 U	< 10 U	11	**100**	< 9.5 U
WR-MW-05A	06/07/05	< 1 U	< 1 U	< 0.50 U	2.5	< 0.50 U	< 1000 U	< 10 U	6.4	**75**	< 9.5 U
WR-MW-05A	09/14/05	< 1 U	< 1 U	< 0.50 U	**29**	< 0.50 U	–	< 10 U	3.2	**23**	< 9.5 U
WR-MW-05A	09/14/05	< 1 U	< 1 U	< 0.50 U	**28**	< 0.50 U	–	< 10 U	3.3	**25**	< 9.8 U
WR-MW-05A	12/06/05	< 1 U	< 1 U	< 0.50 U	**28**	< 0.50 U	–	< 10 U	2.7	**18**	< 9.4 U
WR-MW-05A	03/14/06	< 1 U	< 1 U	< 0.50 U	**61**	< 0.50 U	–	180	2.8	**11**	< 940 U
WR-MW-05A	03/14/06	< 1 U	< 1 U	< 0.50 U	**60**	< 0.50 U	–	170	2.7	**11**	< 9940 U
WR-MW-05A	03/27/06	< 5 U	< 5 U	< 2.5 U	**13**	< 2.5 U	< 5000 U	< 50 U	< 2.5 U	< 2.5 U	–
WR-MW-05A	03/27/06	< 5 U	< 5 U	< 2.5 U	**13**	< 2.5 U	< 5000 U	< 50 U	< 0.50 U	< 2.5 U	–
WR-MW-05A	06/26/06	< 1 U	< 1 U	< 0.50 U	**38**	< 0.50 U	< 1000 U	130	1.9	< 0.50 U	–
WR-MW-05A	09/26/06	< 2 U	< 2 U	< 1 U	**23**	< 1 U	< 2000 U	320	< 1 U	< 1 U	–
WR-MW-05A	12/13/06	< 1 U	< 1 U	< 0.50 U	**15**	< 0.50 U	< 1000 U	18	< 0.50 U	0.60	–
WR-MW-05A	06/12/07	< 1 U	< 1 U	< 0.50 U	**23**	< 0.50 U	< 1000 U	< 10 U	< 0.50 U	0.80	–
WR-MW-05A	09/25/07	< 1 U	< 1 U	< 0.50 U	**16**	< 0.50 U	< 1000 U	< 10 U	< 0.50 U	0.70	–
WR-MW-05A	12/13/07	< 4 U	< 4 U	< 2 U	**14**	< 2 U	< 4000 U	< 40 U	< 2 U	< 2 U	–
WR-MW-05A	03/27/08	< 4 U	< 4 U	< 2 U	**17**	< 2 U	< 4000 U	< 40 U	< 2 U	1.1	–
WR-MW-05A	10/08/08	< 1 U	< 1 U	< 0.50 U	**28**	< 0.50 U	< 1000 U	< 10 U	< 0.50 U	0.60	–
WR-MW-05A	04/09/09	< 1 U	< 1 U	< 0.50 U	< 0.50 U	< 0.50 U	< 1000 U	< 10 U	< 0.50 U	< 0.50 U	–
WR-MW-05A	06/23/10	< 1 U	< 1 U	< 0.50 U	**52**	< 0.50 U	< 1000 U	< 10 U	< 0.50 U	< 0.50 U	–
WR-MW-05A	01/26/11	< 1 U	< 1 U	< 0.50 U	**62**	< 0.50 U	< 1000 U	< 10 U	< 0.50 U	< 0.50 U	–
WR-MW-05A	06/20/11	< 1 U	< 1 U	< 0.50 U	**67**	< 0.50 U	< 1000 U	< 10 U	< 0.50 U	< 0.50 U	–
WR-MW-05A	01/10/12	< 1 U	< 1 U	< 0.50 U	**47**	< 0.50 U	< 1000 U	< 10 U	< 0.50 U	< 0.50 U	–
WR-MW-05A	06/26/12	< 1 U	< 1 U	< 0.50 U	**29**	< 0.50 U	< 1000 U	< 10 U	< 0.50 U	< 0.50 U	–
WR-MW-05A	01/03/13	< 1 U	< 1 U	< 0.50 U	**20**	< 0.50 U	< 1000 U	< 10 U	< 0.50 U	< 0.50 U	–
WR-MW-05A	06/25/13	< 1 U	< 1 U	< 0.50 U	**10**	< 0.50 U	< 1000 U	< 10 U	< 0.50 U	< 0.50 U	–
WR-MW-05A	12/03/13	< 1 U	< 1 U	< 0.50 U	**12**	< 0.50 U	< 1000 U	< 10 U	< 0.50 U	< 0.50 U	–
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	–

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**										
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 UJ	< 0.16 U	**11**	< 0.16 U	–	< 3.0 U	< 0.16 U	0.13 J	–
WR-MW-05B	09/30/02	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	–	< 5 U	< 0.50 U	0.32 J	< 10 U
WR-MW-05B	02/09/03	< 1 U	< 1 U	< 0.50 U	< 0.50 U	< 0.50 U	–	< 10 U	< 0.50 U	< 0.50 U	–
WR-MW-05B	05/29/03	< 1 U	< 1 U	< 0.50 U	< 0.50 U	< 0.50 U	–	< 10 U	< 0.50 U	< 0.50 U	–
WR-MW-05B	08/06/03	< 1 U	< 1 U	< 0.50 U	< 0.50 U	< 0.50 U	< 1000 U	< 10 U	< 0.50 U	< 0.50 U	–
WR-MW-05B	11/10/03	< 1 U	< 1 U	< 0.50 U	< 0.50 U	< 0.50 U	< 1000 U	< 10 U	< 0.50 U	< 0.50 U	–
WR-MW-05B	12/08/04	< 1 U	< 1 U	< 0.50 U	< 0.50 U	< 0.50 U	< 1000 U	< 10 U	< 0.50 U	< 0.50 U	–
WR-MW-05B	12/07/05	< 1 U	< 1 U	< 0.50 U	< 0.50 U	< 0.50 U	< 1000 U	< 10 U	< 0.50 U	< 0.50 U	–
WR-MW-05B	12/13/06	< 1 U	< 1 U	< 0.50 U	< 0.50 U	< 0.50 U	< 1000 U	< 10 U	< 0.50 U	0.90	–
WR-MW-06A	10/03/02	< 0.50 U	0.16 J	< 0.50 U	< 0.50 U	< 0.50 U	–	< 5 U	< 0.50 U	< 0.50 U	< 10 U
WR-MW-06A	02/08/03	< 1 U	< 1 U	< 0.50 U	< 0.50 U	< 0.50 U	–	< 10 U	< 0.50 U	< 0.50 U	–
WR-MW-06A	05/22/03	< 1 U	< 1 U	< 0.50 U	< 0.50 U	< 0.50 U	–	< 10 U	< 0.50 U	< 0.50 U	–
WR-MW-06A	08/06/03	< 1 U	< 1 U	< 0.50 U	< 0.50 U	< 0.50 U	< 1000 U	< 10 U	< 0.50 U	< 0.50 U	–
WR-MW-06A	11/11/03	< 1 U	< 1 U	< 0.50 U	< 0.50 U	< 0.50 U	< 1000 U	< 10 U	< 0.50 U	< 0.50 U	–
WR-MW-06A	12/09/04	< 1 U	< 1 U	< 0.50 U	< 0.50 U	< 0.50 U	< 1000 U	< 10 U	< 0.50 U	< 0.50 U	–
WR-MW-06A	12/07/05	< 1 U	< 1 U	< 0.50 U	< 0.50 U	< 0.50 U	< 1000 U	< 10 U	< 0.50 U	< 0.50 U	–
WR-MW-06A	12/13/06	< 1 U	< 1 U	< 0.50 U	< 0.50 U	< 0.50 U	< 1000 U	< 10 U	< 0.50 U	< 0.50 U	–
WR-MW-06A	12/13/07	< 1 U	< 1 U	< 0.50 U	< 0.50 U	< 0.50 U	< 1000 U	< 10 U	< 0.50 U	< 0.50 U	–
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	–

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**										
WR-MW-06B	11/11/03	< 1 U	< 1 U	1.9	< 0.50 U	< 0.50 U	< 1000 U	< 10 U	< 0.50 U	< 0.50 U	–
WR-MW-06B	12/09/04	< 1 U	< 1 U	1.3	< 0.50 U	< 0.50 U	< 1000 U	< 10 U	< 0.50 U	< 0.50 U	–
WR-MW-06B	12/07/05	< 1 U	< 1 U	1.1	< 0.50 U	< 0.50 U	< 1000 U	< 10 U	< 0.50 U	< 0.50 U	–
WR-MW-06B	12/13/06	< 1 U	< 1 U	1.2	< 0.50 U	< 0.50 U	< 1000 U	< 10 U	< 0.50 U	< 0.50 U	–
WR-MW-06B	12/13/07	< 1 U	< 1 U	< 0.50 U	< 0.50 U	< 0.50 U	< 1000 U	< 10 U	< 0.50 U	< 0.50 U	–
WR-MW-07A	10/03/02	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	–	< 5 U	< 0.50 U	1.5	< 10 U
WR-MW-07A	02/12/03	< 1 U	< 1 U	< 0.50 U	< 0.50 U	< 0.50 U	–	< 10 U	< 0.50 U	1.4	–
WR-MW-07A	05/28/03	< 1 U	< 1 U	< 0.50 U	< 0.50 U	< 0.50 U	–	< 10 U	< 0.50 U	1.3	–
WR-MW-07A	08/06/03	< 1 U	< 1 U	< 0.50 U	< 0.50 U	< 0.50 U	< 1000 U	< 10 U	< 0.50 U	1.2	–
WR-MW-07A	11/11/03	< 1 U	< 1 U	< 0.50 U	< 0.50 U	< 0.50 U	< 1000 U	< 10 U	< 0.50 U	1.6	–
WR-MW-07A	02/10/04	< 1 U	< 1 U	< 0.50 U	< 0.50 U	< 0.50 U	< 1000 U	< 10 U	< 0.50 U	1.7	–
WR-MW-07A	05/24/04	< 1 U	< 1 U	< 0.50 U	< 0.50 U	< 0.50 U	–	< 10 U	< 0.50 U	2.2	–
WR-MW-07A	09/03/04	< 1 U	< 1 U	< 0.50 U	< 0.50 U	< 0.50 U	< 1000 U	< 10 U	< 0.50 U	2.6 J+	–
WR-MW-07A	12/07/04	< 1 U	< 1 U	< 0.50 U	< 0.50 U	< 0.50 U	< 1000 U	< 10 U	< 0.50 U	1.7	–
WR-MW-07A	03/02/05	< 1 U	< 1 U	< 0.50 U	< 0.50 U	< 0.50 U	< 1000 U	< 10 U	< 0.50 U	1.7	–
WR-MW-07A	06/07/05	< 1 U	< 1 U	< 0.50 U	< 0.50 U	< 0.50 U	< 1000 U	< 10 U	< 0.50 U	2.8	–
WR-MW-07A	09/14/05	< 1 U	< 1 U	< 0.50 U	< 0.50 U	< 0.50 U	< 1000 U	< 10 U	< 0.50 U	2.5	–
WR-MW-07A	12/08/05	< 1 U	< 1 U	< 0.50 U	< 0.50 U	< 0.50 U	< 1000 U	< 10 U	0.70	2.5	–
WR-MW-07A	03/14/06	< 1 U	< 1 U	< 0.50 U	< 0.50 U	< 0.50 U	< 1000 U	< 10 U	2.6	2.9	–
WR-MW-07A	06/27/06	< 1 U	< 1 U	< 0.50 U	< 0.50 U	< 0.50 U	< 1000 U	< 10 U	2.6	3.0	–
WR-MW-07A	09/25/06	< 1 U	< 1 U	< 0.50 U	0.60	< 0.50 U	< 1000 U	< 10 U	< 0.50 U	3.2	–
WR-MW-07A	12/13/06	< 1 U	< 1 U	< 0.50 U	0.90	< 0.50 U	< 1000 U	< 10 U	< 0.50 U	3.0	–
WR-MW-07A	03/26/07	< 1 U	< 1 U	< 0.50 U	1.3	< 0.50 U	< 1000 U	< 10 U	< 0.50 U	1.4	–
WR-MW-07A	06/12/07	< 1 U	< 1 U	< 0.50 U	< 0.50 U	< 0.50 U	< 1000 U	< 10 U	< 0.50 U	1.3	–
WR-MW-07A	09/25/07	< 1 U	< 1 U	< 0.50 U	< 0.50 U	< 0.50 U	< 1000 U	< 10 U	< 0.50 U	1.6	–
WR-MW-07A	12/13/07	< 1 U	< 1 U	< 0.50 U	< 0.50 U	< 0.50 U	< 1000 U	< 10 U	< 0.50 U	2.3	–
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	–

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**										
WR-MW-08A	05/27/03	< 1 U	< 1 U	< 0.50 U	< 0.50 U	< 0.50 U	–	< 10 U	< 0.50 U	**5.1**	–
WR-MW-08A	08/05/03	< 1 U	< 1 U	< 0.50 U	< 0.50 U	< 0.50 U	< 1000 U	< 10 U	< 0.50 U	**5.1**	–
WR-MW-08A	11/10/03	< 1 U	< 1 U	< 0.50 U	< 0.50 U	< 0.50 U	< 1000 U	< 10 U	< 0.50 U	**5.2**	–
WR-MW-08A	02/10/04	< 1 U	< 1 U	< 0.50 U	< 0.50 U	< 0.50 U	< 1000 U	< 10 U	< 0.50 U	**6.5**	–
WR-MW-08A	05/25/04	< 1 U	< 1 U	< 0.50 U	< 0.50 U	< 0.50 U	–	< 10 U	< 0.50 U	**6.3**	–
WR-MW-08A	09/03/04	< 1 U	< 1 U	< 0.50 U	< 0.50 U	< 0.50 U	< 1000 U	< 10 U	< 0.50 U	4.2 J+	–
WR-MW-08A	12/08/04	< 1 U	< 1 U	< 0.50 U	< 0.50 U	< 0.50 U	< 1000 U	< 10 U	< 0.50 U	**5.8**	–
WR-MW-08A	03/02/05	< 1 U	< 1 U	< 0.50 U	< 0.50 U	< 0.50 U	< 1000 U	< 10 U	< 0.50 U	**11**	–
WR-MW-08A	06/07/05	< 1 U	< 1 U	< 0.50 U	< 0.50 U	< 0.50 U	< 1000 U	< 10 U	< 0.50 U	**6.0**	–
WR-MW-08A	09/14/05	< 1 U	< 1 U	< 0.50 U	< 0.50 U	< 0.50 U	–	< 10 U	< 0.50 U	**6.3**	–
WR-MW-08A	12/06/05	< 1 U	< 1 U	< 0.50 U	< 0.50 U	< 0.50 U	–	< 10 U	< 0.50 U	2.8	–
WR-MW-08A	03/14/06	< 1 U	< 1 U	< 0.50 U	< 0.50 U	< 0.50 U	–	< 10 U	< 0.50 U	**11**	–
WR-MW-08A	06/27/06	< 1 U	< 1 U	< 0.50 U	< 0.50 U	< 0.50 U	< 1000 U	< 10 U	< 0.50 U	**12**	–
WR-MW-08A	09/26/06	< 1 U	< 1 U	< 0.50 U	< 0.50 U	< 0.50 U	< 1000 U	< 10 U	< 0.50 U	**12**	–
WR-MW-08A	12/13/06	< 1 U	< 1 U	< 0.50 U	< 0.50 U	< 0.50 U	< 1000 U	< 10 U	< 0.50 U	**15**	–
WR-MW-08A	03/26/07	< 1 U	< 1 U	< 0.50 U	1.6	< 0.50 U	< 1000 U	< 10 U	< 0.50 U	**7.3**	–
WR-MW-08A	06/11/07	< 1 U	< 1 U	< 0.50 U	3.4	< 0.50 U	< 1000 U	< 10 U	< 0.50 U	**6.1**	–
WR-MW-08A	09/25/07	< 1 U	< 1 U	< 0.50 U	2.4	< 0.50 U	< 1000 U	< 10 U	< 0.50 U	3.5	–
WR-MW-08A	12/13/07	< 1 U	< 1 U	< 0.50 U	< 0.50 U	< 0.50 U	< 1000 U	< 10 U	< 0.50 U	**6.3**	–
WR-MW-08A	03/26/08	< 1 U	< 1 U	< 0.50 U	1.5	< 0.50 U	< 1000 U	< 10 U	< 0.50 U	**6.2**	–
WR-MW-08A	10/07/08	< 1 U	< 1 U	< 0.50 U	0.50	< 0.50 U	< 1000 U	< 10 U	< 0.50 U	3.2	–
WR-MW-08A	04/09/09	< 1 U	< 1 U	< 0.50 U	1.6	< 0.50 U	< 1000 U	< 10 U	< 0.50 U	4.6	–
WR-MW-08A	06/24/10	< 1 U	< 1 U	< 0.50 U	3.6	< 0.50 U	< 1000 U	< 10 U	< 0.50 U	**8.4**	–
WR-MW-08A	01/27/11	< 1 U	< 1 U	< 0.50 U	1.7	< 0.50 U	< 1000 U	< 10 U	< 0.50 U	**8.4**	–
WR-MW-08A	06/20/11	< 1 U	< 1 U	< 0.50 U	1.9	< 0.50 U	< 1000 U	< 10 U	< 0.50 U	**9.8**	–
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	–

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**										
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 UJ	< 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 UJ	< 0.16 U	< 0.16 U	< 0.16 U	–	< 3.0 U	< 0.16 U	< 0.30 U	–
WR-MW-09A	10/03/02	< 1 U	0.41 J	0.22 J	< 1 U	< 1 U	–	< 10 U	0.21 J	**54**	< 10 U
WR-MW-09A	02/12/03	< 1 U	< 1 U	< 0.50 U	< 0.50 U	< 0.50 U	–	< 10 U	0.50	**66**	–
WR-MW-09A	06/26/03	< 1 U	< 1 U	0.8	< 0.50 U	< 0.50 U	–	< 10 U	1.0	**55**	–
WR-MW-09A	08/06/03	< 1 U	< 1 U	< 0.50 U	< 0.50 U	< 0.50 U	< 1000 U	< 10 U	0.90	**37**	< 9.6 U
WR-MW-09A	11/11/03	< 1 U	< 1 U	< 0.50 U	< 0.50 U	< 0.50 U	< 1000 U	< 10 U	2.7	**58**	< 9.5 U
WR-MW-09A	02/10/04	< 1 U	< 1 U	< 0.50 U	< 0.50 U	< 0.50 U	< 1000 U	< 10 U	5.6	**48**	< 9.6 U
WR-MW-09A	05/24/04	< 1 U	< 1 U	< 0.50 U	1.0	< 0.50 U	–	< 10 U	4.1	**40**	< 9.6 U
WR-MW-09A	09/02/04	< 1 U	< 1 U	< 0.50 U	4.1	< 0.50 U	< 1000 U	< 10 U	4.2	**54**	< 10 U
WR-MW-09A	12/08/04	< 1 U	< 1 U	< 0.50 U	**7.9 J+**	< 0.50 U	< 1000 U	< 10 U	2.3 J+	**50 J+**	< 9.5 U
WR-MW-09A	12/08/04	< 1 U	< 1 U	< 0.50 U	**6.8**	< 0.50 U	< 1000 U	< 10 U	2.1	**37**	< 10 U
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

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**										
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	–
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	–

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**										
WR-MW-09A	11/29/22	< 0.30 U	< 0.16 UJ	< 0.16 U	**9.5**	< 0.16 U	–	< 3.0 U	< 0.16 U	0.25 J	–
WR-MW-10A	09/03/04	< 1 U	< 1 U	< 0.50 U	< 0.50 U	< 0.50 U	< 1000 U	< 10 U	1.8 J+	**14 J+**	–
WR-MW-10A	12/08/04	< 1 U	< 1 U	< 0.50 U	< 0.50 U	< 0.50 U	< 1000 U	< 10 U	2.2 J+	**19 J+**	–
WR-MW-10A	03/02/05	< 1 U	< 1 U	< 0.50 U	< 0.50 U	< 0.50 U	< 1000 U	< 10 U	< 0.50 U	**17**	–
WR-MW-10A	06/07/05	< 1 U	< 1 U	< 0.50 U	< 0.50 U	< 0.50 U	< 1000 U	< 10 U	1.7	**23**	–
WR-MW-10A	09/13/05	< 1 U	< 1 U	< 0.50 U	< 0.50 U	< 0.50 U	–	< 10 U	1.1	**19**	–
WR-MW-10A	12/06/05	< 1 U	< 1 U	< 0.50 U	< 0.50 U	< 0.50 U	–	< 10 U	1.1	**18**	–
WR-MW-10A	03/14/06	< 1 U	< 1 U	< 0.50 U	< 0.50 U	< 0.50 U	–	< 10 U	< 0.50 U	**15**	–
WR-MW-10A	06/27/06	< 1 U	< 1 U	< 0.50 U	< 0.50 U	< 0.50 U	< 1000 U	< 10 U	< 0.50 U	**19**	–
WR-MW-10A	09/25/06	< 1 U	< 1 U	< 0.50 U	< 0.50 U	< 0.50 U	< 1000 U	< 10 U	< 0.50 U	**31**	–
WR-MW-10A	12/13/06	< 1 U	< 1 U	< 0.50 U	< 0.50 U	< 0.50 U	< 1000 U	< 10 U	< 0.50 U	**24**	–
WR-MW-10A	03/26/07	< 1 U	< 1 U	< 0.50 U	0.90	< 0.50 U	< 1000 U	< 10 U	< 0.50 U	**24**	–
WR-MW-10A	06/11/07	< 1 U	< 1 U	< 0.50 U	1.9	< 0.50 U	< 1000 U	< 10 U	0.60	**19**	–
WR-MW-10A	09/26/07	< 1 U	< 1 U	< 0.50 U	2.1	< 0.50 U	< 1000 U	< 10 U	0.50	**10**	–
WR-MW-10A	12/13/07	< 1 U	< 1 U	< 0.50 U	0.70	< 0.50 U	< 1000 U	< 10 U	1.6	**30**	–
WR-MW-10A	03/26/08	< 1 U	< 1 U	< 0.50 U	**32**	< 0.50 U	< 1000 U	< 10 U	1.7	1.1	–
WR-MW-10A	10/07/08	< 1 U	< 1 U	< 0.50 U	2.1	< 0.50 U	< 1000 U	< 10 U	1.4	**22**	–
WR-MW-10A	04/08/09	< 1 U	< 1 U	< 0.50 U	**9.5**	< 0.50 U	< 1000 U	< 10 U	1.1	**21**	–
WR-MW-10A	09/28/09	< 1 U	< 1 U	< 0.50 U	**8.1**	< 0.50 U	< 1000 U	< 10 U	0.60	**15**	–
WR-MW-10A	06/24/10	< 1 U	< 1 U	< 0.50 U	2.8	< 0.50 U	< 1000 U	< 10 U	< 0.50 U	**17**	–
WR-MW-10A	01/27/11	< 1 U	< 1 U	< 0.50 U	4.1	< 0.50 U	< 1000 U	< 10 U	< 0.50 U	**25**	–
WR-MW-10A	06/21/11	< 1 U	< 1 U	< 0.50 U	**7.8**	< 0.50 U	< 1000 U	< 10 U	< 0.50 U	**17**	–
WR-MW-10A	01/11/12	< 1 U	< 1 U	< 0.50 U	2.4	< 0.50 U	< 1000 U	< 10 U	< 0.50 U	**23**	–
WR-MW-10A	06/27/12	< 1 U	< 1 U	< 0.50 U	1.7	< 0.50 U	< 1000 U	< 10 U	< 0.50 U	**23**	–
WR-MW-10A	01/04/13	< 1 U	< 1 U	< 0.50 U	4.9	< 0.50 U	< 1000 U	< 10 U	< 0.50 U	**18**	–
WR-MW-10A	06/26/13	< 1 U	< 1 U	< 0.50 U	2.3	< 0.50 U	< 1000 U	< 10 U	< 0.50 U	**14**	–
WR-MW-10A	12/04/13	< 1 U	< 1 U	< 0.50 U	2.2	< 0.50 U	< 1000 U	< 10 U	< 0.50 U	**23**	–
WR-MW-10A	07/01/14	< 1 U	< 1 U	< 0.50 U	1.9	< 0.50 U	< 1000 U	< 10 U	< 0.50 U	**17**	–
WR-MW-10A	11/05/14	< 1 U	< 1 U	< 0.50 U	2.8	< 0.50 U	< 1000 U	< 10 U	< 0.50 U	**14**	–
WR-MW-10A	11/18/20	< 0.30 U	< 0.50 U	< 0.20 U	4.0	< 0.20 U	–	10 J	< 0.30 U	**7.4**	–
WR-MW-10A	12/16/21	< 0.30 U	< 0.16 U	< 0.16 U	3.4	< 0.16 U	–	–	–	1.6	–
WR-MW-10A	06/08/22	< 0.30 U	< 0.16 U	< 0.16 U	3.4	< 0.16 U	–	–	–	4.6	–

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**										
WR-MW-10A	11/29/22	< 0.30 U	< 0.16 UJ	< 0.16 U	4.7	< 0.16 U	–	< 3.0 U	< 0.16 U	**5.1**	–
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**	–
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**	–

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**										
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 UJ	< 0.16 U	< 0.16 U	< 0.16 U	–	< 3.0 U	< 0.16 U	3.8	–
WR-MW-12A	09/20/05	< 1 U	< 1 U	< 0.50 U	2.8	< 0.50 U	–	< 10 U	< 0.50 U	**75**	–
WR-MW-12A	12/06/05	< 1 U	< 1 U	< 0.50 U	0.90	< 0.50 U	–	< 10 U	< 0.50 U	**87**	–
WR-MW-12A	03/14/06	< 1 U	< 1 U	< 0.50 U	< 0.50 U	< 0.50 U	< 1000 U	< 10 U	< 0.50 U	**110**	–
WR-MW-12A	06/27/06	< 1 U	< 1 U	< 0.50 U	**21**	< 0.50 U	< 1000 U	< 10 U	< 0.50 U	**99**	–
WR-MW-12A	09/26/06	< 1 U	< 1 U	< 0.50 U	**23**	< 0.50 U	< 1000 U	< 10 U	< 0.50 U	**74**	–
WR-MW-12A	12/13/06	< 1.4 U	< 1.4 U	< 0.70 U	**19**	< 0.70 U	< 1400 U	< 14 U	< 0.70 U	**64**	–
WR-MW-12A	03/26/07	< 0.50 U	< 0.50 U	< 1 U	**13**	< 1 U	< 0.50 U	< 0.50 U	< 1000 U	**94**	–
WR-MW-12A	06/11/07	< 0.50 U	< 0.50 U	< 1 U	**39**	< 1 U	< 0.50 U	< 0.50 U	< 1000 U	**50**	–
WR-MW-12A	09/25/07	< 1 U	< 1 U	< 0.50 U	**11**	< 0.50 U	< 1000 U	< 10 U	< 0.50 U	**63**	–
WR-MW-12A	12/13/07	< 1 U	< 1 U	< 0.50 U	**7.8**	< 0.50 U	< 1000 U	< 10 U	< 0.50 U	**49**	–
WR-MW-12A	03/26/08	< 1 U	< 1 U	< 0.50 U	**13**	< 0.50 U	< 1000 U	< 10 U	< 0.50 U	**88**	–
WR-MW-12A	10/07/08	< 1 U	< 1 U	< 0.50 U	**13**	< 0.50 U	< 1000 U	< 10 U	< 0.50 U	**73**	–
WR-MW-12A	04/08/09	< 1 U	< 1 U	< 0.50 U	**24**	< 0.50 U	< 1000 U	< 10 U	< 0.50 U	**39**	–
WR-MW-12A	09/28/09	< 1 U	< 1 U	< 0.50 U	**12**	< 0.50 U	< 1000 U	< 10 U	< 0.50 U	**55**	–
WR-MW-12A	06/24/10	< 1 U	< 1 U	< 0.50 U	**29**	< 0.50 U	< 1000 U	< 10 U	< 0.50 U	**41**	–
WR-MW-12A	01/27/11	< 1 U	< 1 U	< 0.50 U	**25**	< 0.50 U	< 1000 U	< 10 U	< 0.50 U	**35**	–
WR-MW-12A	06/21/11	< 1 U	< 1 U	< 0.50 U	**24**	< 0.50 U	< 1000 U	< 10 U	< 0.50 U	**21**	–
WR-MW-12A	01/11/12	< 1 U	< 1 U	< 0.50 U	**24**	< 0.50 U	< 1000 U	< 10 U	< 0.50 U	**23**	–
WR-MW-12A	06/27/12	< 1 U	< 1 U	< 0.50 U	**24**	< 0.50 U	< 1000 U	< 10 U	< 0.50 U	**25**	–
WR-MW-12A	01/04/13	< 1 U	< 1 U	< 0.50 U	**21**	< 0.50 U	< 1000 U	< 10 U	< 0.50 U	**22**	–
WR-MW-12A	06/26/13	< 1 U	< 1 U	< 0.50 U	**16**	< 0.50 U	< 1000 U	< 10 U	< 0.50 U	**19**	–
WR-MW-12A	12/04/13	< 1 U	< 1 U	< 0.50 U	**14**	< 0.50 U	< 1000 U	< 10 U	< 0.50 U	**25**	–
WR-MW-12A	07/01/14	< 1 U	< 1 U	< 0.50 U	**11**	< 0.50 U	< 1000 U	< 10 U	< 0.50 U	**19**	–

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**										
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 UJ	< 0.16 U	4.8	< 0.16 U	–	< 3.0 U	< 0.16 U	1.7	–

Table B-1. Historical Groundwater Monitoring Results - Organics

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

Table B-1. Historical Groundwater Monitoring Results - Organics

Analyte		TCE	Toluene	trans-1,2- DCE	Vinyl Chloride	Xylenes, Total
Units		µg/L	µg/L	µg/L	µg/L	µg/L
California MCL		5	150	10	0.5	1750
Historical MCL Exceedances?		Yes	No	No	Yes	No
Well ID	**Sampled**					
WR-MW-01	09/14/05	1.6	< 1 U	< 1 U	< 1 U	–
WR-MW-01	12/06/05	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	–
WR-MW-01	03/14/06	4.3	< 0.50 U	< 0.50 U	< 0.50 U	–
WR-MW-01	06/26/06	4.5	< 1 U	< 1 U	< 1 U	–
WR-MW-01	06/26/06	3.3	< 1 U	< 1 U	< 1 U	–
WR-MW-01	09/26/06	< 2.5 U	< 2.5 U	< 2.5 U	< 2.5 U	–
WR-MW-01	09/26/06	4.0	< 0.50 U	< 0.50 U	< 0.50 U	–
WR-MW-01	12/13/06	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	–
WR-MW-01	03/27/07	< 2.5 U	< 2.5 U	< 2.5 U	< 2.5 U	–
WR-MW-01	06/12/07	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	–
WR-MW-01	06/12/07	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	–
WR-MW-01	09/26/07	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	–
WR-MW-01	09/26/07	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	–
WR-MW-01	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

Table B-1. Historical Groundwater Monitoring Results - Organics

Analyte		TCE	Toluene	trans-1,2- DCE	Vinyl Chloride	Xylenes, Total
Units		µg/L	µg/L	µg/L	µg/L	µg/L
California MCL		5	150	10	0.5	1750
Historical MCL Exceedances?		Yes	No	No	Yes	No
Well ID	**Sampled**					
WR-MW-01	01/04/13	**8.9**	< 0.50 U	< 0.50 U	**0.6**	< 1 U
WR-MW-01	06/25/13	**9.8**	< 0.50 U	< 0.50 U	**0.8**	< 1 U
WR-MW-01	06/25/13	**9.6**	< 0.50 U	< 0.50 U	**0.7**	< 1 U
WR-MW-01	12/03/13	**6.9**	< 0.50 U	< 0.50 U	**0.8**	< 1 U
WR-MW-01	12/03/13	**6.8**	< 0.50 U	< 0.50 U	**0.8**	< 1 U
WR-MW-01	06/30/14	**7.4**	< 0.50 U	< 0.50 U	**0.7**	< 1 U
WR-MW-01	06/30/14	**7.3**	< 0.50 U	< 0.50 U	**0.6**	< 1 U
WR-MW-01	11/05/14	3.8	< 0.50 U	< 0.50 U	< 0.50 U	< 1 U
WR-MW-01	11/05/14	3.6	< 0.50 U	< 0.50 U	< 0.50 U	< 1 U
WR-MW-01	09/28/16	0.90	0.10 J	< 0.20 U	< 0.20 U	< 0.40 U
WR-MW-01	12/21/16	3.0	< 0.20 U	0.10 J	**0.6**	< 0.40 U
WR-MW-01	06/28/17	3.1	< 0.20 U	0.20 J	**0.7**	< 0.40 U
WR-MW-01	12/19/17	3.0	< 0.40 U	0.30 J	**0.7**	< 0.40 U
WR-MW-01	06/14/18	2.4	< 0.40 U	0.40 J	**0.6**	< 0.40 U
WR-MW-01	12/14/18	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U
WR-MW-01	12/14/18	0.29	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U
WR-MW-01	06/25/19	0.40	< 0.20 U	< 0.40 U	< 0.40 U	< 0.40 U
WR-MW-01	12/30/19	1.1	< 0.20 U	< 0.40 U	< 0.40 U	< 0.40 U
WR-MW-01	12/30/19	0.90	< 0.20 U	< 0.40 U	< 0.40 U	< 0.40 U
WR-MW-01	05/07/20	**5.4 J**	< 0.20 UJ	0.20 J	< 0.40 UJ	< 0.40 UJ
WR-MW-01	05/07/20	**5.4**	< 0.20 U	0.20	< 0.40 U	< 0.40 U
WR-MW-01	11/18/20	1.5	< 0.20 U	< 0.20 U	< 0.30 U	< 0.50 U
WR-MW-01	11/18/20	0.24	< 0.20 U	< 0.20 U	< 0.30 U	< 0.50 U
WR-MW-01	11/29/22	2.3	< 0.16 U	0.22 J	< 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	–

Table B-1. Historical Groundwater Monitoring Results - Organics

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

Table B-1. Historical Groundwater Monitoring Results - Organics

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

Table B-1. Historical Groundwater Monitoring Results - Organics

Analyte		TCE	Toluene	trans-1,2- DCE	Vinyl Chloride	Xylenes, Total
Units		µg/L	µg/L	µg/L	µg/L	µg/L
California MCL		5	150	10	0.5	1750
Historical MCL Exceedances?		Yes	No	No	Yes	No
Well ID	**Sampled**					
WR-MW-02	09/28/09	2.3	1.6	< 0.50 U	**0.7**	< 0.50 U
WR-MW-02	07/01/10	1.5	< 0.50 U	< 0.50 U	< 0.50 U	< 1 U
WR-MW-02	01/27/11	1.1	< 0.50 U	< 0.50 U	< 0.50 U	< 1 U
WR-MW-02	06/20/11	1.1	< 0.50 U	< 0.50 U	< 0.50 U	< 1 U
WR-MW-02	01/11/12	1.4	< 0.50 U	< 0.50 U	< 0.50 U	< 1 U
WR-MW-02	06/27/12	1.1	< 0.50 U	< 0.50 U	< 0.50 U	< 1 U
WR-MW-02	01/04/13	1.0	< 0.50 U	< 0.50 U	< 0.50 U	< 1 U
WR-MW-02	06/26/13	1.2	< 0.50 U	< 0.50 U	< 0.50 U	< 1 U
WR-MW-02	12/04/13	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 1 U
WR-MW-02	07/01/14	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 1 U
WR-MW-02	11/04/14	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 1 U
WR-MW-02	09/28/16	0.30 J	< 0.20 U	< 0.20 U	< 0.20 U	< 0.40 U
WR-MW-02	12/21/16	0.40 J	0.20 J	0.20 J	0.20 J	0.40 J
WR-MW-02	06/28/17	0.10 J	< 0.20 U	< 0.40 U	< 0.20 U	< 0.40 U
WR-MW-02	12/19/17	0.10 J	< 0.20 U	< 0.40 U	< 0.20 U	< 0.40 U
WR-MW-02	12/14/18	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U
WR-MW-02	12/14/18	0.30 J	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U
WR-MW-02	06/25/19	< 0.40 U	0.30	< 0.40 U	< 0.40 U	0.40
WR-MW-02	12/30/19	< 0.20 U	< 0.20 U	< 0.40 U	< 0.40 U	< 0.40 U
WR-MW-02	05/07/20	< 0.20 U	< 0.20 U	< 0.40 U	< 0.40 U	< 0.40 U
WR-MW-02	11/18/20	< 0.20 U	< 0.30 U	< 0.20 U	< 0.20 U	< 0.30 U
WR-MW-02	11/29/22	0.29 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	–

Table B-1. Historical Groundwater Monitoring Results - Organics

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

Table B-1. Historical Groundwater Monitoring Results - Organics

Analyte		TCE	Toluene	trans-1,2- DCE	Vinyl Chloride	Xylenes, Total
Units		µg/L	µg/L	µg/L	µg/L	µg/L
California MCL		5	150	10	0.5	1750
Historical MCL Exceedances?		Yes	No	No	Yes	No
Well ID	**Sampled**					
WR-MW-04A	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-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	–

Table B-1. Historical Groundwater Monitoring Results - Organics

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

Table B-1. Historical Groundwater Monitoring Results - Organics

Analyte		TCE	Toluene	trans-1,2- DCE	Vinyl Chloride	Xylenes, Total
Units		µg/L	µg/L	µg/L	µg/L	µg/L
California MCL		5	150	10	0.5	1750
Historical MCL Exceedances?		Yes	No	No	Yes	No
Well ID	**Sampled**					
WR-MW-05A	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-05B	09/30/02	< 0.50 U	0.14 J	< 0.50 U	< 0.50 U	< 0.50 U
WR-MW-05B	02/09/03	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	–
WR-MW-05B	05/29/03	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	–
WR-MW-05B	08/06/03	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	–
WR-MW-05B	11/10/03	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	–
WR-MW-05B	12/08/04	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	–
WR-MW-05B	12/07/05	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	–
WR-MW-05B	12/13/06	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	–
WR-MW-06A	10/03/02	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U
WR-MW-06A	02/08/03	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	–
WR-MW-06A	05/22/03	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	–
WR-MW-06A	08/06/03	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	–
WR-MW-06A	11/11/03	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	–
WR-MW-06A	12/09/04	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	–
WR-MW-06A	12/07/05	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	–
WR-MW-06A	12/13/06	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	–
WR-MW-06A	12/13/07	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U
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	–

Table B-1. Historical Groundwater Monitoring Results - Organics

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

Table B-1. Historical Groundwater Monitoring Results - Organics

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

Table B-1. Historical Groundwater Monitoring Results - Organics

Analyte		TCE	Toluene	trans-1,2- DCE	Vinyl Chloride	Xylenes, Total
Units		µg/L	µg/L	µg/L	µg/L	µg/L
California MCL		5	150	10	0.5	1750
Historical MCL Exceedances?		Yes	No	No	Yes	No
Well ID	**Sampled**					
WR-MW-08A	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-09A	10/03/02	1.6	0.25 J	0.19 J	< 1 U	< 1 U
WR-MW-09A	02/12/03	1.2	< 0.50 U	< 0.50 U	< 0.50 U	–
WR-MW-09A	06/26/03	0.60	< 0.50 U	< 0.50 U	< 0.50 U	–
WR-MW-09A	08/06/03	0.60	< 0.50 U	< 0.50 U	< 0.50 U	–
WR-MW-09A	11/11/03	0.60	< 0.50 U	< 0.50 U	< 0.50 U	–
WR-MW-09A	02/10/04	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	–
WR-MW-09A	05/24/04	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	–
WR-MW-09A	09/02/04	0.60	< 0.50 U	< 0.50 U	< 0.50 U	–
WR-MW-09A	12/08/04	0.90 J+	< 0.50 U	< 0.50 U	< 0.50 U	–
WR-MW-09A	12/08/04	0.70	< 0.50 U	< 0.50 U	< 0.50 U	–
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	–

Table B-1. Historical Groundwater Monitoring Results - Organics

Analyte		TCE	Toluene	trans-1,2- DCE	Vinyl Chloride	Xylenes, Total
Units		µg/L	µg/L	µg/L	µg/L	µg/L
California MCL		5	150	10	0.5	1750
Historical MCL Exceedances?		Yes	No	No	Yes	No
Well ID	**Sampled**					
WR-MW-09A	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
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

Table B-1. Historical Groundwater Monitoring Results - Organics

Analyte		TCE	Toluene	trans-1,2- DCE	Vinyl Chloride	Xylenes, Total
Units		µg/L	µg/L	µg/L	µg/L	µg/L
California MCL		5	150	10	0.5	1750
Historical MCL Exceedances?		Yes	No	No	Yes	No
Well ID	**Sampled**					
WR-MW-09A	11/29/22	0.18 J	< 0.16 U	< 0.16 U	0.34 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
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

Table B-1. Historical Groundwater Monitoring Results - Organics

Analyte		TCE	Toluene	trans-1,2- DCE	Vinyl Chloride	Xylenes, Total
Units		µg/L	µg/L	µg/L	µg/L	µg/L
California MCL		5	150	10	0.5	1750
Historical MCL Exceedances?		Yes	No	No	Yes	No
Well ID	**Sampled**					
WR-MW-10A	11/29/22	1.5	< 0.16 U	0.050 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
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

Table B-1. Historical Groundwater Monitoring Results - Organics

Analyte		TCE	Toluene	trans-1,2- DCE	Vinyl Chloride	Xylenes, Total
Units		µg/L	µg/L	µg/L	µg/L	µg/L
California MCL		5	150	10	0.5	1750
Historical MCL Exceedances?		Yes	No	No	Yes	No
Well ID	**Sampled**					
WR-MW-11A	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-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
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

Table B-1. Historical Groundwater Monitoring Results - Organics

Analyte		TCE	Toluene	trans-1,2- DCE	Vinyl Chloride	Xylenes, Total
Units		µg/L	µg/L	µg/L	µg/L	µg/L
California MCL		5	150	10	0.5	1750
Historical MCL Exceedances?		Yes	No	No	Yes	No
Well ID	**Sampled**					
WR-MW-12A	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

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-2. Historical Groundwater Monitoring Results - Metals

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

Table B-2. Historical Groundwater Monitoring Results - Metals

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

Table B-2. Historical Groundwater Monitoring Results - Metals

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

Table B-2. Historical Groundwater Monitoring Results - Metals

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

Table B-2. Historical Groundwater Monitoring Results - Metals

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

Table B-2. Historical Groundwater Monitoring Results - Metals

Analyte:		Arsenic	Barium	Cadmium	Chromium	Copper	Lead	Mercury	Molybdenum	Nickel	Selenium	Thallium	Vanadium	Zinc
Units:		µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
California MCL:		10	1000	5	50	1300	15	2	N/A	100	50	2	N/A	N/A
Well ID	**Sampled**													
WR-MW-12A	07/01/14	**87**	160	< 5 U	< 5 U	< 5 U	< 5 U	< 0.20 U	< 5 U	6.4	< 10 U	< 10 U	< 5 U	< 20 U
WR-MW-12A	11/05/14	**92**	160	< 5 U	< 5 U	< 5 U	< 5 U	< 0.20 U	7.6	6.4	24	< 10 U	< 5 U	< 20 U

Notes:

"<" = Not detected above indicated limit

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

Notes:

<= Not detected above indicated limit

µg/L= micrograms per liter

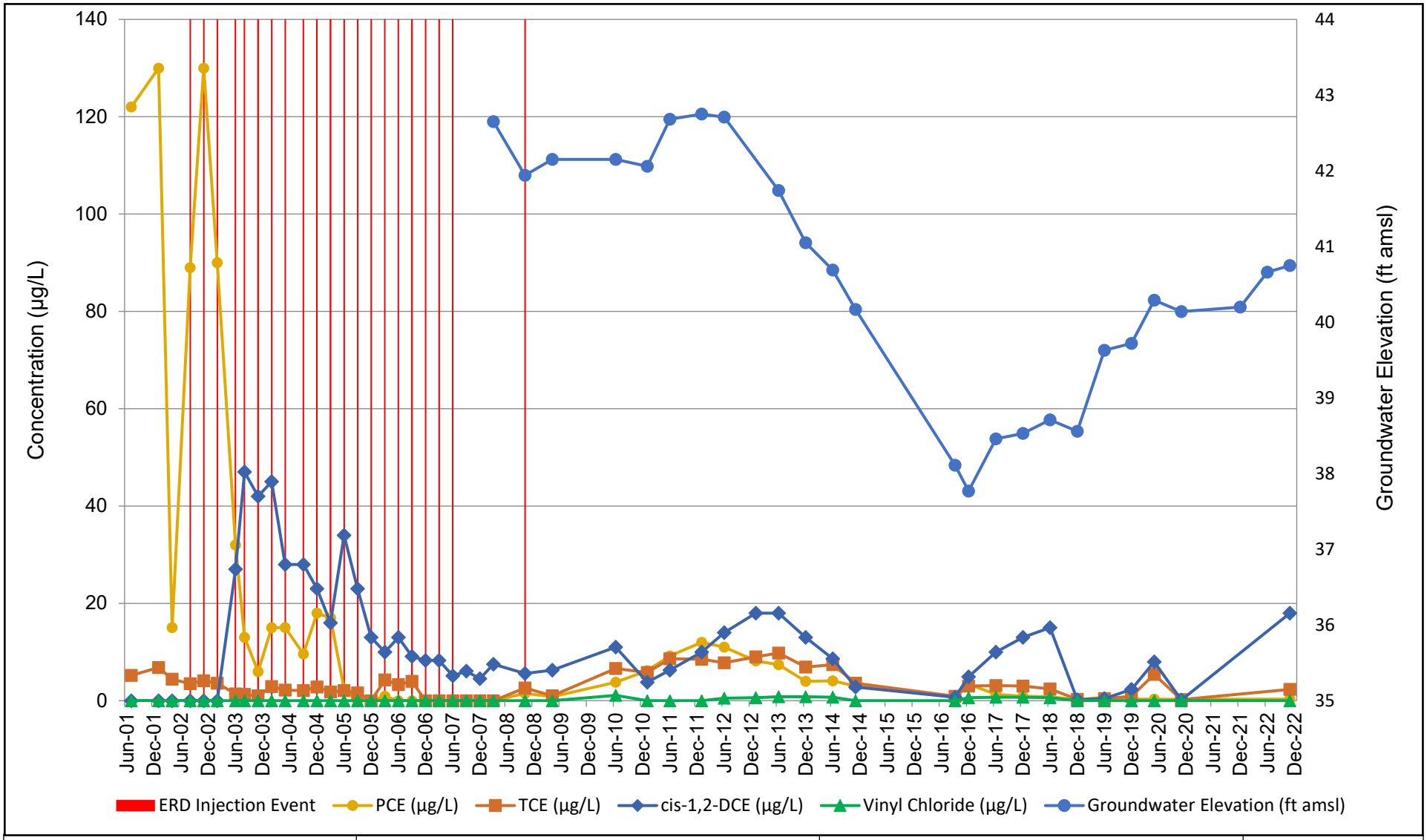
J= Estimated value; (+) high bias (-) low bias

N/A= not applicable

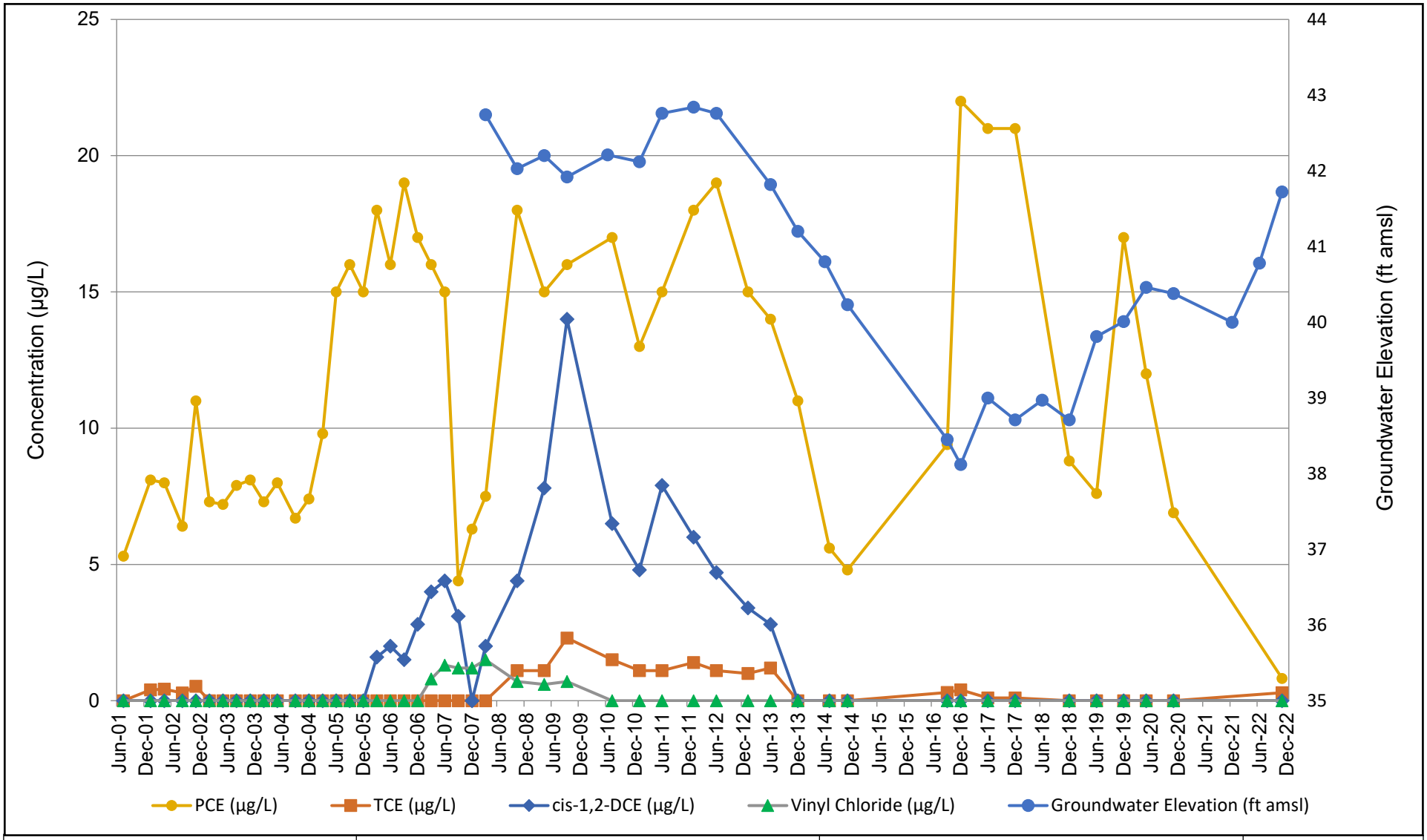
U= Not detected at or above limit of detection

UJ = estimated not detected

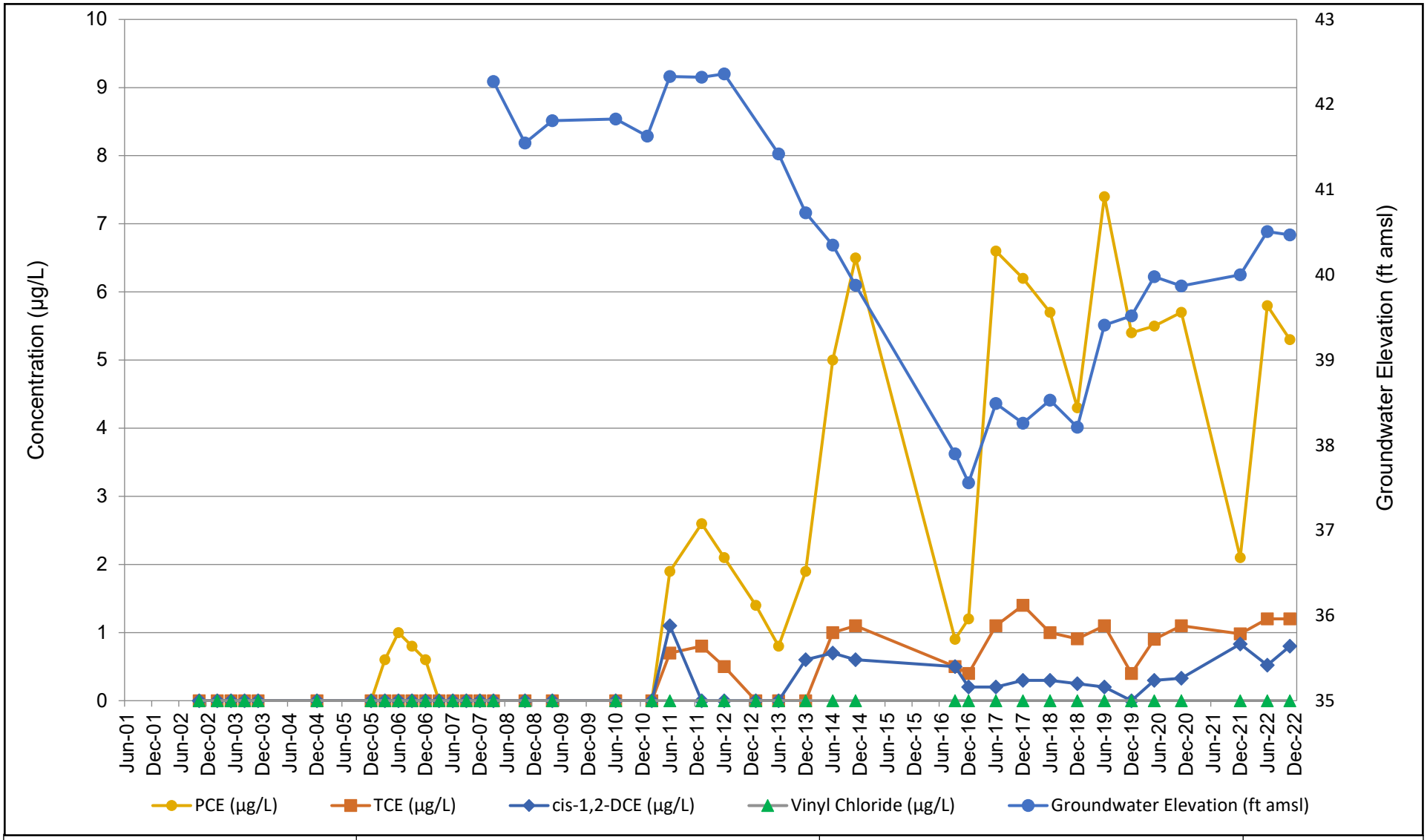
Appendix C. Time-Series Plots



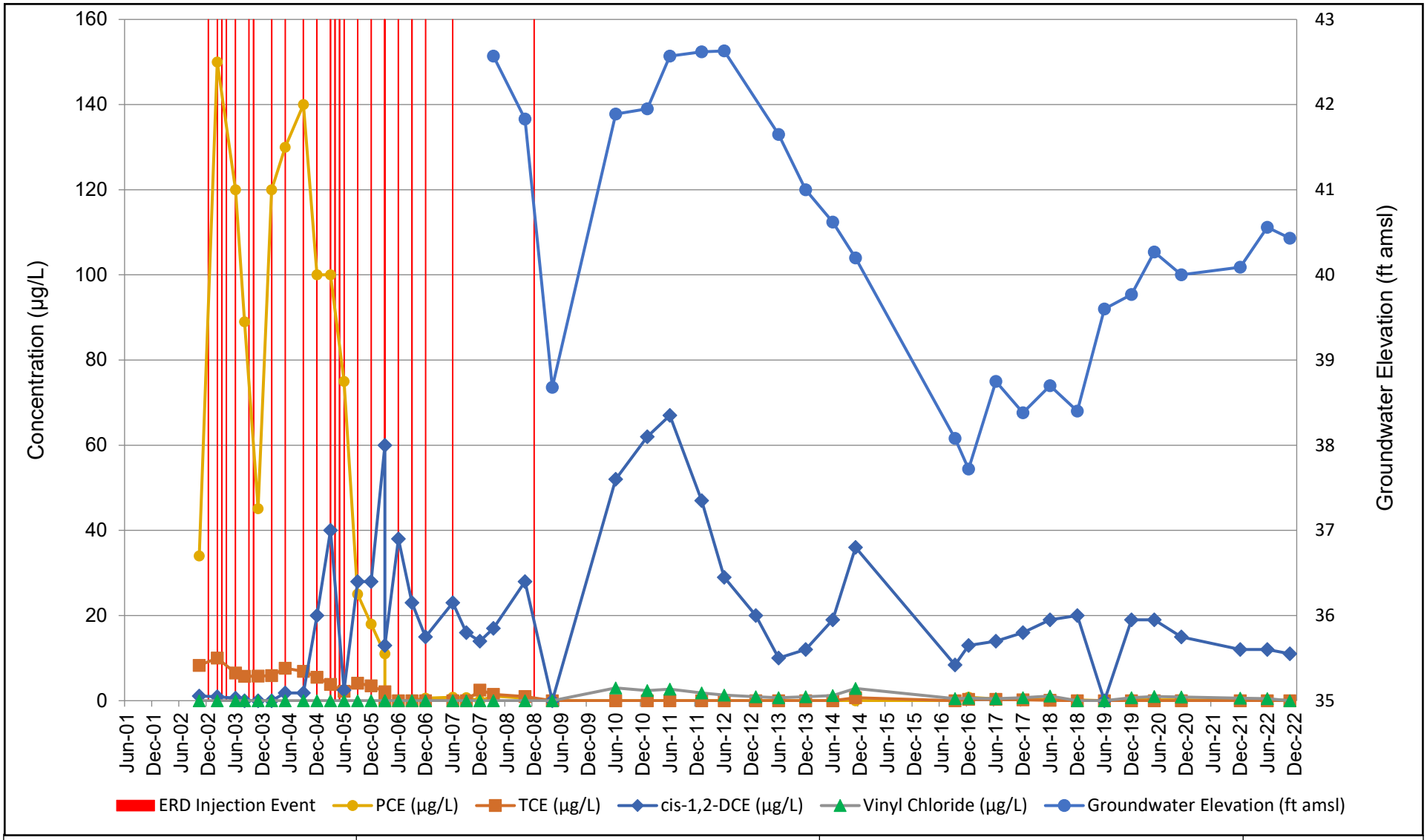
Ahtna	2022 Second Semiannual Groundwater Monitoring Report, Washrack Site Former United States Disciplinary Barracks Lompoc, California	**Time-Series Plots** **WR-MW-01**	FIGURE **C-1**



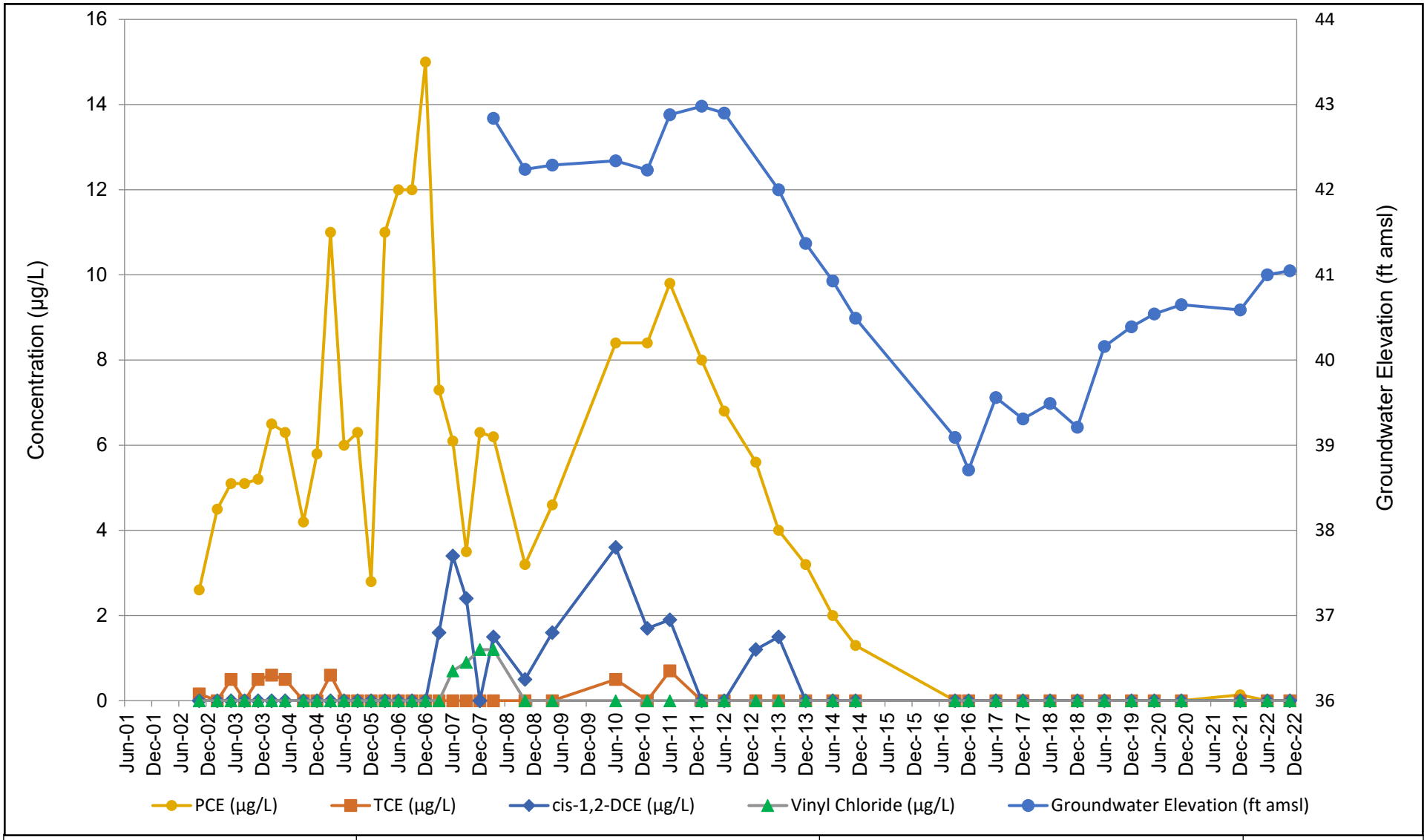
Ahtna	2022 Second Semiannual Groundwater Monitoring Report, Washrack Site Former United States Disciplinary Barracks Lompoc, California	**Time-Series Plots** **WR-MW-02**	FIGURE **C-2**



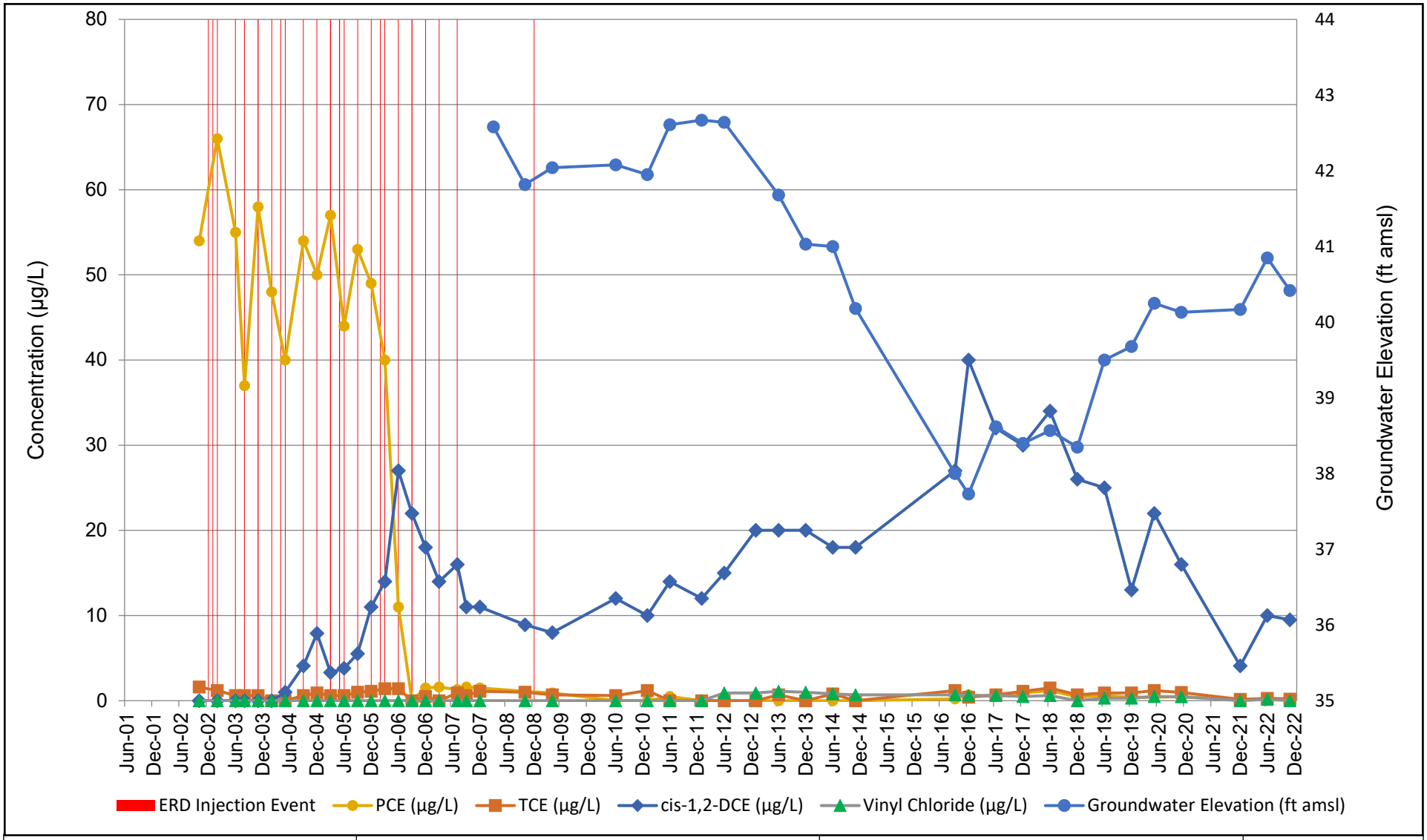
Ahtna	2022 Second Semiannual Groundwater Monitoring Report, Washrack Site Former United States Disciplinary Barracks Lompoc, California	**Time-Series Plots** **WR-MW-04A**	FIGURE **C-3**



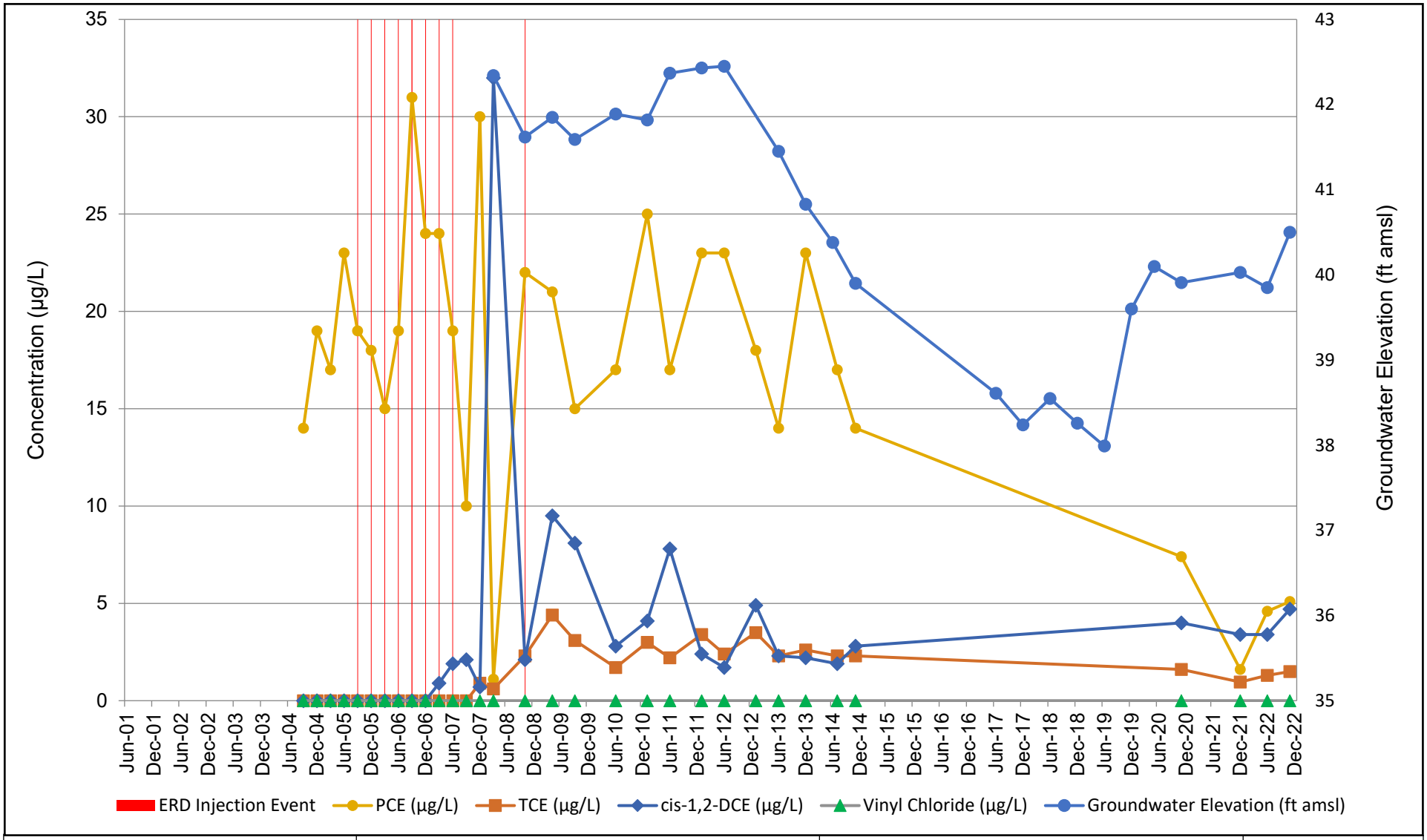
Ahtna	2022 Second Semiannual Groundwater Monitoring Report, Washrack Site Former United States Disciplinary Barracks Lompoc, California	**Time-Series Plots** **WR-MW-05A**	FIGURE **C-4**



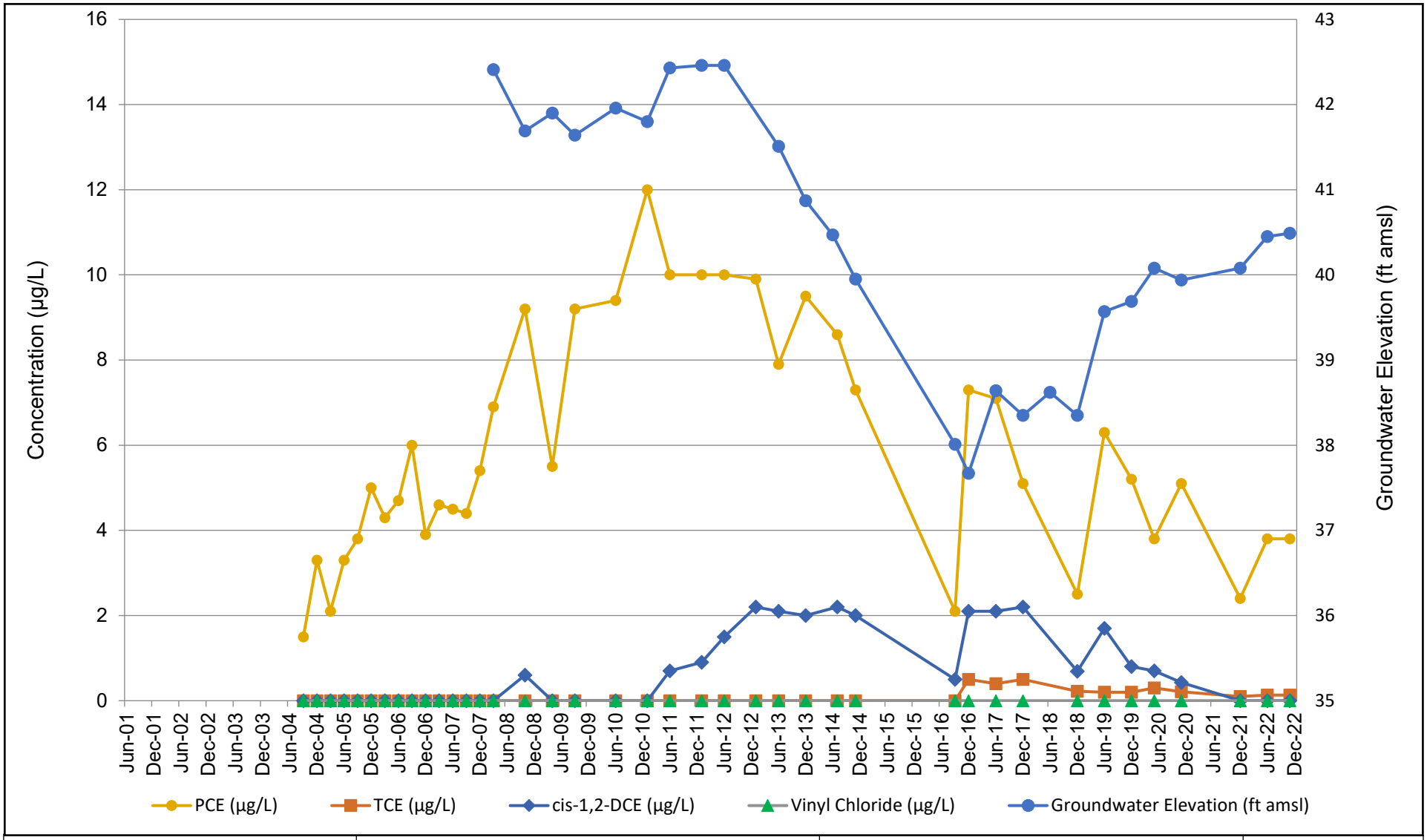
Ahtna	2022 Second Semiannual Groundwater Monitoring Report, Washrack Site Former United States Disciplinary Barracks Lompoc, California	**Time-Series Plots** **WR-MW-08A**	FIGURE **C-5**



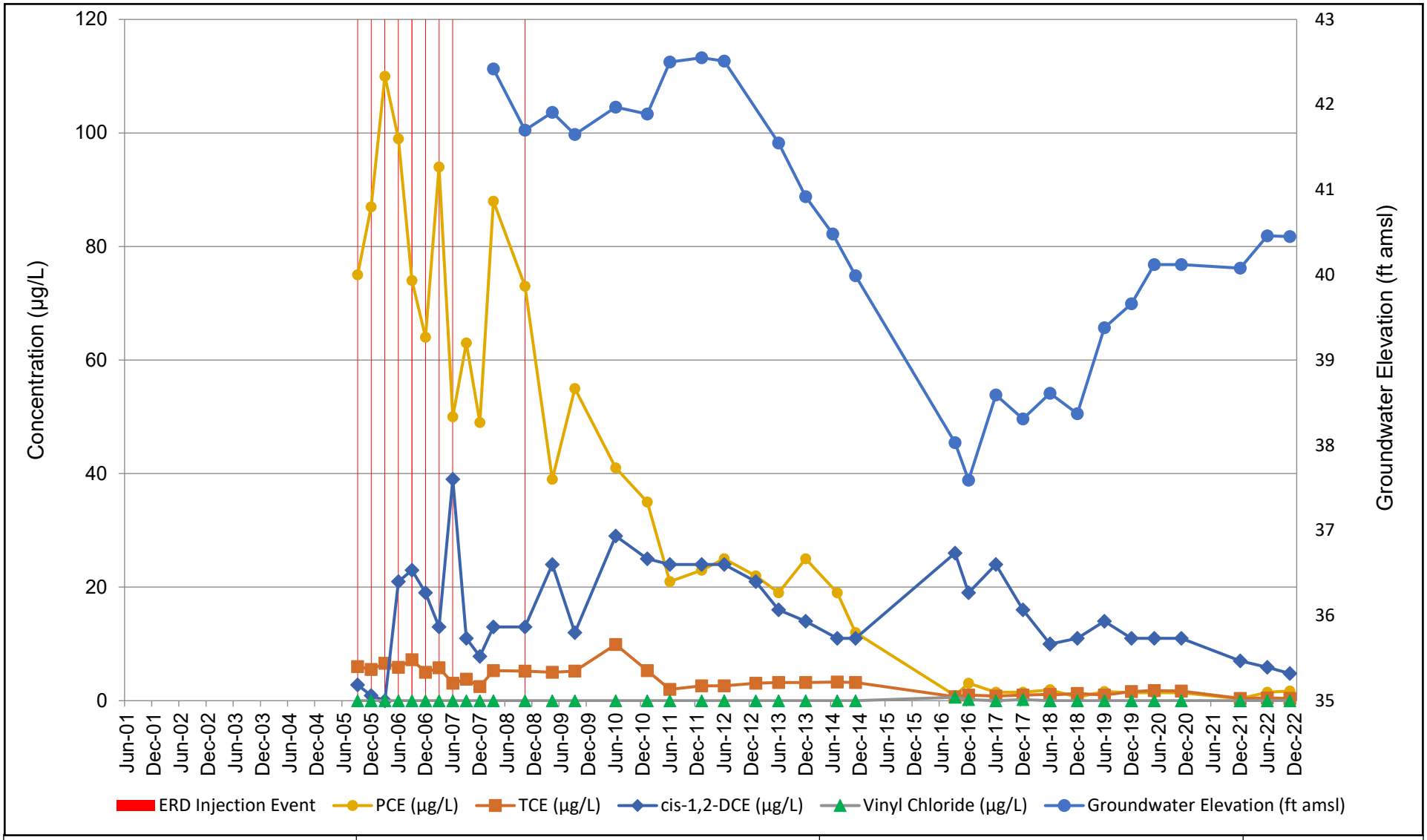
Ahtna	2022 Second Semiannual Groundwater Monitoring Report, Washrack Site Former United States Disciplinary Barracks Lompoc, California	**Time-Series Plots** **WR-MW-09A**	FIGURE **C-6**



Ahtna	2022 Second Semiannual Groundwater Monitoring Report, Washrack Site Former United States Disciplinary Barracks Lompoc, California	**Time-Series Plots** **WR-MW-10A**	FIGURE **C-7**



Ahtna	2022 Second Semiannual Groundwater Monitoring Report, Washrack Site Former United States Disciplinary Barracks Lompoc, California	**Time-Series Plots** **WR-MW-11A**	FIGURE **C-8**



Ahtna	2022 Second Semiannual Groundwater Monitoring Report, Washrack Site Former United States Disciplinary Barracks Lompoc, California	**Time-Series Plots** **WR-MW-12A**	FIGURE **C-9**

Appendix D. Responses to Regulator Comments

Review Comments

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

Reviewer: Bryan Little, Central Coast Water Board		**Date:** 05/08/23	**Date:** 07/26/23
No.	**Reference (page/para.)**	**Review Comment**	**Response**
1.	Section 3.2, Well Inspections Page 7	This section should include a paragraph (or sentence) describing any maintenance performed at the site during the reporting period.	Agreed. The text has been revised as follows: *"No maintenance was performed during this event. Repairs are expected to be performed during the 2023 second semiannual Event. Ongoing maintenance of the monitoring wells is recommended to maintain functionality."*
2.	Section 4.1, Groundwater Gradient and Flow Direction Page 10 Paragraph 2, Third Sentence	*"From June 2022 to December 2022, groundwater levels…."* December 2022 should be changed to November 2022 since the gauging was performed on November 29, 2022.	Agreed. The text has been revised accordingly.
3.	Section 5.0, Conclusions and Recommendations Page 11	MW-01 and MW-02 missed several sampling events due to bent casing. Provide a brief overview on sampling reinstatement at these two wells, and what the results showed.	Agreed. The text has been revised accordingly.

Attachments

Attachment 1. Laboratory Report

Pace Analytical®
ENVIRONMENTAL SCIENCES

Work Order Number: 2229425

Laboratory Documentation Requirements
For Data Validation of
Volatiles Analysis

Prepared By
Pace Analytical - Bakersfield

For Ahtna-Pleasant Hill

21044.006.01.000

Table of Contents

Table of Contents

Case Narrative

Sample Receipt

Work Order: 2229425
COC Number:
Default Cooler was received at 3.6 °C
Samples were checked for preservation. Where applicable, sample preservation was adjusted in the laboratory.

Requested Analysis

Method	Instrument
EPA-8260C	MS-V5

Sample Qualifier Summary

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

Lab Number	Method	Analyte
2229425-01	EPA-8260C	Chloromethane
2229425-02	EPA-8260C	Chloromethane
2229425-03	EPA-8260C	Chloromethane
2229425-04	EPA-8260C	Chloromethane
2229425-05	EPA-8260C	Chloromethane
2229425-06	EPA-8260C	Chloromethane
2229425-07	EPA-8260C	Chloromethane
2229425-08	EPA-8260C	Chloromethane
2229425-09	EPA-8260C	Chloromethane
2229425-10	EPA-8260C	Chloromethane
2229425-11	EPA-8260C	Chloromethane
2229425-12	EPA-8260C	Chloromethane
2229425-13	EPA-8260C	Chloromethane
2229425-14	EPA-8260C	Chloromethane

Holding Times

All holding time requirements were met.

Method Blanks

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

Calibration

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

Lab Number	Method	Analyte
2222745-CCV1	EPA-8260C	Chloromethane
2222745-CCV3	EPA-8260C	Chloromethane

Matrix Spikes

Source Samples Used For QC

Batch	Method	Source Lab Number	Client Sample Name
B155698	EPA-8260C	2229425-02	MW01B-1122-N

Precision and accuracy requirements were within QC limits.

LCS / LCSD

The LCS recoveries were within QC limits.

Pace Analytical
Bakersfield, CA

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

CHAIN OF CUSTODY

WATER / SOIL

Chain of Custody #:

2229425

Project Information:

Project Location: Lompoc, CA
Sampler/s: J.Feduck and C. Dunn
Project Name: Former USDB Lompoc
Report To: Sommer Carter (925-357-0750), Connor Dunn (925-357-0888)
Project Number: 21044.006.01.000
E-Mail: scarter@ahtna.net; cdunn@ahtna.net; lab@ahtna.net
Sampling Event: 2022 Second Semiannual Event
Laboratory: PACE Analytical
22-29425

Lab Sample Receipt

Laboratory Sample Delivery
Group #:
Custody Seal:
Temp (°C):

	Lab Number	Sample Number/Description	Sample Collection Date	Sample Collection Time	Matrix: Water	Matrix: Soil	Matrix: Other	Total # of Bottles	Number of Preserved Bottles: HCl	HNO_3	H_2SO_4	NaOH	MeOH	$NaHSO_4$	None	Other	8260C - VOCs	Notes
✓	-1	MW01-1122-N	11/29/22	0755	X			3	3								X	
✓	-2	MW01B-1122-N	11/29/22	0810	X			9	9								X	MS/MSD
✓	-3	MW09A-1122-N	11/29/22	0835	X			3	3								X	
✓	-4	MW05A-1122-N	11/29/22	0855	X			3	3								X	
✓	-5	MW12A-1122-N	11/29/22	0915	X			3	3								X	
✓	-6	MW12A-1122-T	11/29/22	0930	X			2	2								X	
✓	-7	MW11A-1122-N	11/29/22	0935	X			3	3								X	
✓	-8	MW10A-1122-N	11/29/22	0955	X			3	3								X	
✓	-9	MW04A-1122-N	11/29/22	1010	X			3	3								X	
✓	-10	MW04A-1122-FB	11/29/22	1005	X			3	3								X	
✓	-11	MW08A-1122-N	11/29/22	1025	X			3	3								X	
✓	-12	MW08A-1122-D	11/29/22	1025	X			3	3								X	
✓	-13	MW02-1122-N	11/29/22	1050	X			3	3								X	
	-14			CP 11/29/22														

CHK BY PPE
DISTRIBUTION JKP
SUB OUT

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

Comments: see project VOC reporting list

Chain of Custody Tracking:

Relinquished By Sampler: Connor Dunn	Date/Time: 12/30/22 0900	Received By:	Date/Time: 12-1-22 1028
Relinquished By:	Date/Time:	Received By:	Date/Time:
Relinquished By:	Date/Time:	Received By Laboratory:	Date/Time:

Chain of Custody and Cooler Receipt Form for 2229425 Page 2 of 3

PACE ANALYTICAL — COOLER RECEIPT FORM — Page | Of 2

Submission #: 22-29425

SHIPPING INFORMATION	SHIPPING CONTAINER	FREE LIQUID
Fed Ex ☒ UPS ☐ GSO / GLS ☐ Hand Delivery ☐	Ice Chest ☒ None ☐ Box ☐	YES ☐ NO ☒
Pace Lab Field Service ☐ Other ☐ (Specify)_____	Other ☐ (Specify)_____	W / S

Refrigerant: Ice ☒ Blue Ice ☐ None ☐ Other ☐ Comments:

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

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

COC Received ☒ YES ☐ NO

Emissivity: 0.95 Container: VOa Thermometer ID: 337 Date/Time 12-1-22

Temperature: (A) 3.6 °C / (C) 3.6 °C Analyst Init SMH 1628

SAMPLE CONTAINERS	SAMPLE NUMBERS 1	2	3	4	5	6	7	8	9	10
QT PE UNPRES										
4oz / 8oz / 16oz PE UNPRES										
2oz Cr^{+6}										
QT INORGANIC CHEMICAL METALS										
INORGANIC CHEMICAL METALS 4oz / 8oz / 16oz										
PT CYANIDE										
PT NITROGEN FORMS										
PT TOTAL SULFIDE										
2oz NITRATE / NITRITE										
PT TOTAL ORGANIC CARBON										
PT CHEMICAL OXYGEN DEMAND										
PtA PHENOLICS										
40ml VOA VIAL TRAVEL BLANK						A,B				
40ml VOA VIAL 8015	A-C	A-I	A-C	A-C	A-C	A,B PMG 1/31/23	A-C	A-C	A-C	A-C
QT EPA 1664B										
PT ODOR										
RADIOLOGICAL										
BACTERIOLOGICAL										
40 ml VOA VIAL- 504										
QT EPA 505/508.3/608.1A										
QT EPA 515.1/8151A										
QT EPA 525.2										
QT EPA 525.2 TRAVEL BLANK										
40ml EPA 547										
40ml EPA 531.1										
8oz EPA 548.1										
QT EPA 549.2										
QT EPA 8015M										
QT EPA 8270C										
8oz / 16oz / 32oz AMBER										
8oz / 16oz / 32oz JAR										
SOIL SLEEVE										
PCB VIAL										
PLASTIC BAG										
TEDLAR BAG										
FERROUS IRON										
ENCORE										
SMART KIT										
SUMMA CANISTER										

Comments:

Sample Numbering Completed By: [signature] Date/Time: 12/1/22 1800

A = Actual / C = Corrected

Rev 23 05/20/22

[S:\WPDocs\WordPerfect\LAB_DOCS\FORMS\COOLER\Cooler 20]

Chain of Custody and Cooler Receipt Form for 2229425 Page 3 of 3

PACE ANALYTICAL — COOLER RECEIPT FORM — Page 2 Of 2

Submission #: 2229425

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 ☒ Intact? Yes ☒ No ☐ | Containers ☐ Intact? Yes ☐ No ☐ | None ☐ Comments:

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

COC Received ☒ YES ☐ NO

Emissivity: 0.95 Container: VOa Thermometer ID: 337 Date/Time 12-1-22

Temperature: (A) 3.6 °C / (C) 3.6 °C Analyst Init SMH 1628

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

Comments:

Sample Numbering Completed By: Date/Time: 12/1/22 1800

A = Actual / C = Corrected

Rev 23 05/20/22

Ahtna-Pleasant Hill	Reported: 2/20/2023 2:17:32PM
2255 Contra Costa Blvd. Suite 312	Project: Former USDB Lompoc
Pleasant Hill, CA 94523	Project Number: 21044.006.01.000
	Project Manager: Connor Dunn

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

SDG: **2229425**
Class: **VOA**
Method: **EPA-8260C**

Ahtna-Pleasant Hill
2255 Contra Costa Blvd. Suite 312
Pleasant Hill, CA 94523

Reported: 2/20/2023 2:17:32PM
Project: Former USDB Lompoc
Project Number: 21044.006.01.000
Project Manager: Connor Dunn

ANALYSES DATA PACKAGE COVER PAGE

EPA-8260C

Laboratory: Pace Analytical - Bakersfield
Client: Ahtna-Pleasant Hill
SDG: 2229425
Project: Former USDB Lompoc

Client Sample Id:	Lab Sample Id:
MW01-1122-N	2229425-01
MW01B-1122-N	2229425-02
MW09A-1122-N	2229425-03
MW05A-1122-N	2229425-04
MW12A-1122-N	2229425-05
MW12A-1122-T	2229425-06
MW11A-1122-N	2229425-07
MW10A-1122-N	2229425-08
MW04A-1122-N	2229425-09
MW04A-1122-FB	2229425-10
MW08A-1122-N	2229425-11
MW08A-1122-D	2229425-12
MW02-1122-N	2229425-13
Travel Blank	2229425-14

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: Sara Guron
Name: Sara Guron

Date: 02-20-2023
Title: QA/QC Manager

Ahtna-Pleasant Hill
2255 Contra Costa Blvd. Suite 312
Pleasant Hill, CA 94523

Reported: 2/20/2023 2:17:32PM
Project: Former USDB Lompoc
Project Number: 21044.006.01.000
Project Manager: Connor Dunn

METHOD DETECTION AND REPORTING LIMITS

EPA-8260C

Laboratory: Pace Analytical - Bakersfield
SDG: 2229425
Client: Ahtna-Pleasant Hill
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-Pleasant Hill
2255 Contra Costa Blvd. Suite 312
Pleasant Hill, CA 94523

Reported: 2/20/2023 2:17:32PM
Project: Former USDB Lompoc
Project Number: 21044.006.01.000
Project Manager: Connor Dunn

ORGANIC ANALYSIS DATA SHEET
EPA-8260C

MW01-1122-N

Laboratory: Pace Analytical - Bakersfield
SDG: 2229425
Client: Ahtna-Pleasant Hill
Project: Former USDB Lompoc
Matrix: Water
Laboratory ID: 2229425-01
File ID: 13DEC13.D
Sampled: 11/29/22 07:55
Prepared: 12/13/22 07:00
Analyzed: 12/13/22 10:33
Solids:
Preparation: EPA 5030 Water MS
Initial/Final: 25 ml / 25 ml
Batch: B155698
Sequence: 2222745
Calibration: 2212016
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	0.15	0.070	0.20	0.50	J
156-59-2	cis-1,2-Dichloroethene	1	18	0.085	0.16	0.50	
156-60-5	trans-1,2-Dichloroethene	1	0.22	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	0.32	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	2.3	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	10.890	109	81 - 118	
Toluene-d8 (Surrogate)	10.000	10.140	101	89 - 112	
4-Bromofluorobenzene (Surrogate)	10.000	9.8400	98.4	85 - 114	

INTERNAL STANDARD	AREA	RT	REF AREA	REF RT	Q
Pentafluorobenzene (IS)	67647	7.5	49385	7.5	
Chlorobenzene-d5 (IS)	169879	10.32	120843	10.31	
1,4-Difluorobenzene (IS)	133489	8.2	104648	8.2	

* Values outside of QC limits

Ahtna-Pleasant Hill
2255 Contra Costa Blvd. Suite 312
Pleasant Hill, CA 94523

Reported: 2/20/2023 2:17:32PM
Project: Former USDB Lompoc
Project Number: 21044.006.01.000
Project Manager: Connor Dunn

ORGANIC ANALYSIS DATA SHEET
EPA-8260C

MW01B-1122-N

Laboratory: Pace Analytical - Bakersfield
SDG: 2229425
Client: Ahtna-Pleasant Hill
Project: Former USDB Lompoc
Matrix: Water
Laboratory ID: 2229425-02
File ID: 13DEC06.D
Sampled: 11/29/22 08:10
Prepared: 12/13/22 07:00
Analyzed: 12/13/22 07:45
Solids:
Preparation: EPA 5030 Water MS
Initial/Final: 25 ml / 25 ml
Batch: B155698
Sequence: 2222745
Calibration: 2212016
Instrument: MS-V5

CAS NO.	COMPOUND	DILUTION	CONC. (ug/L)	DL	LOD	LOQ	Q
71-43-2	Benzene	1	0.080	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	0.10	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	10.400	104	81 - 118	
Toluene-d8 (Surrogate)	10.000	10.080	101	89 - 112	
4-Bromofluorobenzene (Surrogate)	10.000	9.8300	98.3	85 - 114	

INTERNAL STANDARD	AREA	RT	REF AREA	REF RT	Q
Pentafluorobenzene (IS)	60599	7.5	49385	7.5	
Chlorobenzene-d5 (IS)	135498	10.32	120843	10.31	
1,4-Difluorobenzene (IS)	111971	8.2	104648	8.2	

* Values outside of QC limits

Ahtna-Pleasant Hill
2255 Contra Costa Blvd. Suite 312
Pleasant Hill, CA 94523

Reported: 2/20/2023 2:17:32PM
Project: Former USDB Lompoc
Project Number: 21044.006.01.000
Project Manager: Connor Dunn

ORGANIC ANALYSIS DATA SHEET
EPA-8260C

MW09A-1122-N

Laboratory: Pace Analytical - Bakersfield
SDG: 2229425
Client: Ahtna-Pleasant Hill
Project: Former USDB Lompoc
Matrix: Water
Laboratory ID: 2229425-03
File ID: 13DEC14.D
Sampled: 11/29/22 08:35
Prepared: 12/13/22 07:00
Analyzed: 12/13/22 10:56
Solids:
Preparation: EPA 5030 Water MS
Initial/Final: 25 ml / 25 ml
Batch: B155698
Sequence: 2222745
Calibration: 2212016
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	9.5	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	0.25	0.077	0.30	0.50	J
108-88-3	Toluene	1	0.16	0.055	0.16	0.50	U
71-55-6	1,1,1-Trichloroethane	1	0.16	0.051	0.16	0.50	U
79-01-6	Trichloroethene	1	0.18	0.065	0.16	0.50	J
75-01-4	Vinyl chloride	1	0.34	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	10.810	108	81 - 118	
Toluene-d8 (Surrogate)	10.000	10.210	102	89 - 112	
4-Bromofluorobenzene (Surrogate)	10.000	9.7600	97.6	85 - 114	

INTERNAL STANDARD	AREA	RT	REF AREA	REF RT	Q
Pentafluorobenzene (IS)	68198	7.5	49385	7.5	
Chlorobenzene-d5 (IS)	166353	10.31	120843	10.31	
1,4-Difluorobenzene (IS)	132063	8.2	104648	8.2	

* Values outside of QC limits

Ahtna-Pleasant Hill
2255 Contra Costa Blvd. Suite 312
Pleasant Hill, CA 94523

Reported: 2/20/2023 2:17:32PM
Project: Former USDB Lompoc
Project Number: 21044.006.01.000
Project Manager: Connor Dunn

ORGANIC ANALYSIS DATA SHEET
EPA-8260C

MW05A-1122-N

Laboratory: Pace Analytical - Bakersfield
SDG: 2229425
Client: Ahtna-Pleasant Hill
Project: Former USDB Lompoc
Matrix: Water
Laboratory ID: 2229425-04
File ID: 13DEC15.D
Sampled: 11/29/22 08:55
Prepared: 12/13/22 07:00
Analyzed: 12/13/22 11:20
Solids:
Preparation: EPA 5030 Water MS
Initial/Final: 25 ml / 25 ml
Batch: B155698
Sequence: 2222745
Calibration: 2212016
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	11	0.085	0.16	0.50	
156-60-5	trans-1,2-Dichloroethene	1	0.20	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	0.13	0.077	0.30	0.50	J
108-88-3	Toluene	1	0.16	0.055	0.16	0.50	U
71-55-6	1,1,1-Trichloroethane	1	0.16	0.051	0.16	0.50	U
79-01-6	Trichloroethene	1	0.16	0.065	0.16	0.50	U
75-01-4	Vinyl chloride	1	0.36	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	10.760	108	81 - 118	
Toluene-d8 (Surrogate)	10.000	10.200	102	89 - 112	
4-Bromofluorobenzene (Surrogate)	10.000	10.020	100	85 - 114	

INTERNAL STANDARD	AREA	RT	REF AREA	REF RT	Q
Pentafluorobenzene (IS)	67740	7.5	49385	7.5	
Chlorobenzene-d5 (IS)	159737	10.32	120843	10.31	
1,4-Difluorobenzene (IS)	128229	8.2	104648	8.2	

* Values outside of QC limits

Ahtna-Pleasant Hill
2255 Contra Costa Blvd. Suite 312
Pleasant Hill, CA 94523

Reported: 2/20/2023 2:17:32PM
Project: Former USDB Lompoc
Project Number: 21044.006.01.000
Project Manager: Connor Dunn

ORGANIC ANALYSIS DATA SHEET
EPA-8260C

MW12A-1122-N

Laboratory: Pace Analytical - Bakersfield
SDG: 2229425
Client: Ahtna-Pleasant Hill
Project: Former USDB Lompoc
Matrix: Water
Laboratory ID: 2229425-05
File ID: 13DEC16.D
Sampled: 11/29/22 09:15
Prepared: 12/13/22 07:00
Analyzed: 12/13/22 11:44
Solids:
Preparation: EPA 5030 Water MS
Initial/Final: 25 ml / 25 ml
Batch: B155698
Sequence: 2222745
Calibration: 2212016
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	4.8	0.085	0.16	0.50	
156-60-5	trans-1,2-Dichloroethene	1	0.080	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	1.7	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	0.39	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	10.450	104	81 - 118	
Toluene-d8 (Surrogate)	10.000	10.180	102	89 - 112	
4-Bromofluorobenzene (Surrogate)	10.000	10.370	104	85 - 114	

INTERNAL STANDARD	AREA	RT	REF AREA	REF RT	Q
Pentafluorobenzene (IS)	67867	7.5	49385	7.5	
Chlorobenzene-d5 (IS)	153749	10.31	120843	10.31	
1,4-Difluorobenzene (IS)	127604	8.2	104648	8.2	

* Values outside of QC limits

Ahtna-Pleasant Hill
2255 Contra Costa Blvd. Suite 312
Pleasant Hill, CA 94523

Reported: 2/20/2023 2:17:32PM
Project: Former USDB Lompoc
Project Number: 21044.006.01.000
Project Manager: Connor Dunn

ORGANIC ANALYSIS DATA SHEET
EPA-8260C

MW12A-1122-T

Laboratory: Pace Analytical - Bakersfield
SDG: 2229425
Client: Ahtna-Pleasant Hill
Project: Former USDB Lompoc
Matrix: Water
Laboratory ID: 2229425-06
File ID: 13DEC17.D
Sampled: 11/29/22 09:30
Prepared: 12/13/22 07:00
Analyzed: 12/13/22 12:08
Solids:
Preparation: EPA 5030 Water MS
Initial/Final: 25 ml / 25 ml
Batch: B155698
Sequence: 2222745
Calibration: 2212016
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	10.730	107	81 - 118	
Toluene-d8 (Surrogate)	10.000	10.140	101	89 - 112	
4-Bromofluorobenzene (Surrogate)	10.000	9.8300	98.3	85 - 114	

INTERNAL STANDARD	AREA	RT	REF AREA	REF RT	Q
Pentafluorobenzene (IS)	68357	7.5	49385	7.5	
Chlorobenzene-d5 (IS)	155359	10.32	120843	10.31	
1,4-Difluorobenzene (IS)	128291	8.2	104648	8.2	

* Values outside of QC limits

Ahtna-Pleasant Hill
2255 Contra Costa Blvd. Suite 312
Pleasant Hill, CA 94523

Reported: 2/20/2023 2:17:32PM
Project: Former USDB Lompoc
Project Number: 21044.006.01.000
Project Manager: Connor Dunn

ORGANIC ANALYSIS DATA SHEET
EPA-8260C

MW11A-1122-N

Laboratory: Pace Analytical - Bakersfield
SDG: 2229425
Client: Ahtna-Pleasant Hill
Project: Former USDB Lompoc
Matrix: Water
Laboratory ID: 2229425-07
File ID: 13DEC18.D
Sampled: 11/29/22 09:35
Prepared: 12/13/22 07:00
Analyzed: 12/13/22 12:32
Solids:
Preparation: EPA 5030 Water MS
Initial/Final: 25 ml / 25 ml
Batch: B155698
Sequence: 2222745
Calibration: 2212016
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	3.8	0.077	0.30	0.50	
108-88-3	Toluene	1	0.16	0.055	0.16	0.50	U
71-55-6	1,1,1-Trichloroethane	1	0.16	0.051	0.16	0.50	U
79-01-6	Trichloroethene	1	0.13	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	11.080	111	81 - 118	
Toluene-d8 (Surrogate)	10.000	9.6300	96.3	89 - 112	
4-Bromofluorobenzene (Surrogate)	10.000	10.090	101	85 - 114	

INTERNAL STANDARD	AREA	RT	REF AREA	REF RT	Q
Pentafluorobenzene (IS)	63664	7.5	49385	7.5	
Chlorobenzene-d5 (IS)	142667	10.32	120843	10.31	
1,4-Difluorobenzene (IS)	127077	8.2	104648	8.2	

* Values outside of QC limits

Ahtna-Pleasant Hill
2255 Contra Costa Blvd. Suite 312
Pleasant Hill, CA 94523

Reported: 2/20/2023 2:17:32PM
Project: Former USDB Lompoc
Project Number: 21044.006.01.000
Project Manager: Connor Dunn

ORGANIC ANALYSIS DATA SHEET
EPA-8260C

MW10A-1122-N

Laboratory: Pace Analytical - Bakersfield
SDG: 2229425
Client: Ahtna-Pleasant Hill
Project: Former USDB Lompoc
Matrix: Water
Laboratory ID: 2229425-08
File ID: 13DEC19.D
Sampled: 11/29/22 09:55
Prepared: 12/13/22 07:00
Analyzed: 12/13/22 12:56
Solids:
Preparation: EPA 5030 Water MS
Initial/Final: 25 ml / 25 ml
Batch: B155698
Sequence: 2222745
Calibration: 2212016
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	4.7	0.085	0.16	0.50	
156-60-5	trans-1,2-Dichloroethene	1	0.050	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	5.1	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	1.5	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	11.260	113	81 - 118	
Toluene-d8 (Surrogate)	10.000	9.9200	99.2	89 - 112	
4-Bromofluorobenzene (Surrogate)	10.000	9.5000	95.0	85 - 114	

INTERNAL STANDARD	AREA	RT	REF AREA	REF RT	Q
Pentafluorobenzene (IS)	60632	7.5	49385	7.5	
Chlorobenzene-d5 (IS)	142323	10.32	120843	10.31	
1,4-Difluorobenzene (IS)	120316	8.2	104648	8.2	

* Values outside of QC limits

Ahtna-Pleasant Hill
2255 Contra Costa Blvd. Suite 312
Pleasant Hill, CA 94523

Reported: 2/20/2023 2:17:32PM
Project: Former USDB Lompoc
Project Number: 21044.006.01.000
Project Manager: Connor Dunn

ORGANIC ANALYSIS DATA SHEET

EPA-8260C

MW04A-1122-N

Laboratory: Pace Analytical - Bakersfield
SDG: 2229425
Client: Ahtna-Pleasant Hill
Project: Former USDB Lompoc
Matrix: Water
Laboratory ID: 2229425-09
File ID: 13DEC20.D
Sampled: 11/29/22 10:10
Prepared: 12/13/22 07:00
Analyzed: 12/13/22 13:20
Solids:
Preparation: EPA 5030 Water MS
Initial/Final: 25 ml / 25 ml
Batch: B155698
Sequence: 2222745
Calibration: 2212016
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	0.80	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	5.3	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	1.2	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	10.650	106	81 - 118	
Toluene-d8 (Surrogate)	10.000	9.8600	98.6	89 - 112	
4-Bromofluorobenzene (Surrogate)	10.000	9.7000	97.0	85 - 114	

INTERNAL STANDARD	AREA	RT	REF AREA	REF RT	Q
Pentafluorobenzene (IS)	60690	7.5	49385	7.5	
Chlorobenzene-d5 (IS)	138688	10.32	120843	10.31	
1,4-Difluorobenzene (IS)	116921	8.2	104648	8.2	

* Values outside of QC limits

Ahtna-Pleasant Hill
2255 Contra Costa Blvd. Suite 312
Pleasant Hill, CA 94523

Reported: 2/20/2023 2:17:32PM
Project: Former USDB Lompoc
Project Number: 21044.006.01.000
Project Manager: Connor Dunn

ORGANIC ANALYSIS DATA SHEET
EPA-8260C

MW04A-1122-FB

Laboratory: Pace Analytical - Bakersfield
SDG: 2229425
Client: Ahtna-Pleasant Hill
Project: Former USDB Lompoc
Matrix: Water
Laboratory ID: 2229425-10
File ID: 13DEC21.D
Sampled: 11/29/22 10:05
Prepared: 12/13/22 07:00
Analyzed: 12/13/22 13:44
Solids:
Preparation: EPA 5030 Water MS
Initial/Final: 25 ml / 25 ml
Batch: B155698
Sequence: 2222745
Calibration: 2212016
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	10.510	105	81 - 118	
Toluene-d8 (Surrogate)	10.000	9.9400	99.4	89 - 112	
4-Bromofluorobenzene (Surrogate)	10.000	9.8000	98.0	85 - 114	

INTERNAL STANDARD	AREA	RT	REF AREA	REF RT	Q
Pentafluorobenzene (IS)	61909	7.5	49385	7.5	
Chlorobenzene-d5 (IS)	133048	10.31	120843	10.31	
1,4-Difluorobenzene (IS)	113653	8.2	104648	8.2	

* Values outside of QC limits

Ahtna-Pleasant Hill
2255 Contra Costa Blvd. Suite 312
Pleasant Hill, CA 94523

Reported: 2/20/2023 2:17:32PM
Project: Former USDB Lompoc
Project Number: 21044.006.01.000
Project Manager: Connor Dunn

ORGANIC ANALYSIS DATA SHEET

EPA-8260C

MW08A-1122-N

Laboratory: Pace Analytical - Bakersfield
SDG: 2229425
Client: Ahtna-Pleasant Hill
Project: Former USDB Lompoc
Matrix: Water
Laboratory ID: 2229425-11
File ID: 13DEC22.D
Sampled: 11/29/22 10:25
Prepared: 12/13/22 07:00
Analyzed: 12/13/22 14:08
Solids:
Preparation: EPA 5030 Water MS
Initial/Final: 25 ml / 25 ml
Batch: B155698
Sequence: 2222745
Calibration: 2212016
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	10.750	108	81 - 118	
Toluene-d8 (Surrogate)	10.000	9.6900	96.9	89 - 112	
4-Bromofluorobenzene (Surrogate)	10.000	9.8700	98.7	85 - 114	

INTERNAL STANDARD	AREA	RT	REF AREA	REF RT	Q
Pentafluorobenzene (IS)	60909	7.5	49385	7.5	
Chlorobenzene-d5 (IS)	127853	10.31	120843	10.31	
1,4-Difluorobenzene (IS)	113471	8.2	104648	8.2	

* Values outside of QC limits

Ahtna-Pleasant Hill
2255 Contra Costa Blvd. Suite 312
Pleasant Hill, CA 94523

Reported: 2/20/2023 2:17:32PM
Project: Former USDB Lompoc
Project Number: 21044.006.01.000
Project Manager: Connor Dunn

ORGANIC ANALYSIS DATA SHEET
EPA-8260C

MW08A-1122-D

Laboratory: Pace Analytical - Bakersfield
SDG: 2229425
Client: Ahtna-Pleasant Hill
Project: Former USDB Lompoc
Matrix: Water
Laboratory ID: 2229425-12
File ID: 13DEC23.D
Sampled: 11/29/22 10:25
Prepared: 12/13/22 07:00
Analyzed: 12/13/22 14:32
Solids:
Preparation: EPA 5030 Water MS
Initial/Final: 25 ml / 25 ml
Batch: B155698
Sequence: 2222745
Calibration: 2212016
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	9.8800	98.8	89 - 112	
4-Bromofluorobenzene (Surrogate)	10.000	9.7600	97.6	85 - 114	

INTERNAL STANDARD	AREA	RT	REF AREA	REF RT	Q
Pentafluorobenzene (IS)	59297	7.5	49385	7.5	
Chlorobenzene-d5 (IS)	124407	10.32	120843	10.31	
1,4-Difluorobenzene (IS)	109622	8.2	104648	8.2	

* Values outside of QC limits

Ahtna-Pleasant Hill
2255 Contra Costa Blvd. Suite 312
Pleasant Hill, CA 94523

Reported: 2/20/2023 2:17:32PM
Project: Former USDB Lompoc
Project Number: 21044.006.01.000
Project Manager: Connor Dunn

ORGANIC ANALYSIS DATA SHEET
EPA-8260C

MW02-1122-N

Laboratory: Pace Analytical - Bakersfield
SDG: 2229425
Client: Ahtna-Pleasant Hill
Project: Former USDB Lompoc
Matrix: Water
Laboratory ID: 2229425-13
File ID: 13DEC24.D
Sampled: 11/29/22 10:50
Prepared: 12/13/22 07:00
Analyzed: 12/13/22 14:56
Solids:
Preparation: EPA 5030 Water MS
Initial/Final: 25 ml / 25 ml
Batch: B155698
Sequence: 2222745
Calibration: 2212016
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	0.82	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	0.29	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	11.390	114	81 - 118	
Toluene-d8 (Surrogate)	10.000	9.8600	98.6	89 - 112	
4-Bromofluorobenzene (Surrogate)	10.000	9.8700	98.7	85 - 114	

INTERNAL STANDARD	AREA	RT	REF AREA	REF RT	Q
Pentafluorobenzene (IS)	54902	7.5	49385	7.5	
Chlorobenzene-d5 (IS)	120338	10.32	120843	10.31	
1,4-Difluorobenzene (IS)	105342	8.2	104648	8.2	

* Values outside of QC limits

Ahtna-Pleasant Hill
2255 Contra Costa Blvd. Suite 312
Pleasant Hill, CA 94523

Reported: 2/20/2023 2:17:32PM
Project: Former USDB Lompoc
Project Number: 21044.006.01.000
Project Manager: Connor Dunn

ORGANIC ANALYSIS DATA SHEET
EPA-8260C

Travel Blank

Laboratory: Pace Analytical - Bakersfield
SDG: 2229425
Client: Ahtna-Pleasant Hill
Project: Former USDB Lompoc
Matrix: Water
Laboratory ID: 2229425-14
File ID: 13DEC25.D
Sampled: 11/29/22 00:00
Prepared: 12/13/22 07:00
Analyzed: 12/13/22 15:20
Solids:
Preparation: EPA 5030 Water MS
Initial/Final: 25 ml / 25 ml
Batch: B155698
Sequence: 2222745
Calibration: 2212016
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	11.050	110	81 - 118	
Toluene-d8 (Surrogate)	10.000	9.8500	98.5	89 - 112	
4-Bromofluorobenzene (Surrogate)	10.000	9.3100	93.1	85 - 114	

INTERNAL STANDARD	AREA	RT	REF AREA	REF RT	Q
Pentafluorobenzene (IS)	53910	7.5	49385	7.5	
Chlorobenzene-d5 (IS)	123018	10.32	120843	10.31	
1,4-Difluorobenzene (IS)	102827	8.2	104648	8.2	

* Values outside of QC limits

Ahtna-Pleasant Hill
2255 Contra Costa Blvd. Suite 312
Pleasant Hill, CA 94523

Reported: 2/20/2023 2:17:32PM
Project: Former USDB Lompoc
Project Number: 21044.006.01.000
Project Manager: Connor Dunn

PREPARATION BATCH SUMMARY

EPA-8260C

Laboratory: Pace Analytical - Bakersfield
SDG: 2229425
Client: Ahtna-Pleasant Hill
Project: Former USDB Lompoc
Batch: B155698
Batch Matrix: Water
Preparation: EPA 5030 Water MS

SAMPLE NAME	LAB SAMPLE ID	LAB FILE ID	DATE PREPARED	OBSERVATIONS
MW01-1122-N	2229425-01	13DEC13.D	12/13/22 07:00	VOCs + BTEX, MTBE, Napthalene, TBA
MW01B-1122-N	2229425-02	13DEC06.D	12/13/22 07:00	VOCs + BTEX, MTBE, Napthalene, TBA
MW09A-1122-N	2229425-03	13DEC14.D	12/13/22 07:00	VOCs + BTEX, MTBE, Napthalene, TBA
MW05A-1122-N	2229425-04	13DEC15.D	12/13/22 07:00	VOCs + BTEX, MTBE, Napthalene, TBA
MW12A-1122-N	2229425-05	13DEC16.D	12/13/22 07:00	VOCs + BTEX, MTBE, Napthalene, TBA
MW12A-1122-T	2229425-06	13DEC17.D	12/13/22 07:00	VOCs + BTEX, MTBE, Napthalene, TBA
MW11A-1122-N	2229425-07	13DEC18.D	12/13/22 07:00	VOCs + BTEX, MTBE, Napthalene, TBA
MW10A-1122-N	2229425-08	13DEC19.D	12/13/22 07:00	VOCs + BTEX, MTBE, Napthalene, TBA
MW04A-1122-N	2229425-09	13DEC20.D	12/13/22 07:00	VOCs + BTEX, MTBE, Napthalene, TBA
MW04A-1122-FB	2229425-10	13DEC21.D	12/13/22 07:00	VOCs + BTEX, MTBE, Napthalene, TBA
MW08A-1122-N	2229425-11	13DEC22.D	12/13/22 07:00	VOCs + BTEX, MTBE, Napthalene, TBA
MW08A-1122-D	2229425-12	13DEC23.D	12/13/22 07:00	VOCs + BTEX, MTBE, Napthalene, TBA
MW02-1122-N	2229425-13	13DEC24.D	12/13/22 07:00	VOCs + BTEX, MTBE, Napthalene, TBA
Travel Blank	2229425-14	13DEC25.D	12/13/22 07:00	VOCs + BTEX, MTBE, Napthalene, TBA
Blank	B155698-BLK1	13DEC05.D	12/13/22 07:00	
LCS	B155698-BS1	13DEC07.D	12/13/22 07:00	
LCS Dup	B155698-BSD1	13DEC08.D	12/13/22 07:00	
MW01B-1122-N	B155698-MS1	13DEC09.D	12/13/22 07:00	
MW01B-1122-N	B155698-MSD1	13DEC10.D	12/13/22 07:00	

Ahtna-Pleasant Hill
2255 Contra Costa Blvd. Suite 312
Pleasant Hill, CA 94523

Reported: 2/20/2023 2:17:32PM
Project: Former USDB Lompoc
Project Number: 21044.006.01.000
Project Manager: Connor Dunn

METHOD BLANK DATA SHEET
EPA-8260C

Laboratory:	Pace Analytical - Bakersfield		SDG:	2229425	
Client:	Ahtna-Pleasant Hill		Project:	Former USDB Lompoc	
Matrix:	Water	Laboratory ID:	B155698-BLK1	File ID:	13DEC05.D
Prepared:	12/13/22 07:00	Preparation:	EPA 5030 Water MS	Initial/Final:	25 ml / 25 ml
Analyzed:	12/13/22 07:21	Instrument:	MS-V5		
Batch:	B155698	Sequence:	2222745	Calibration:	2212016

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	11.520	115	81 - 118	
Toluene-d8 (Surrogate)	10.000	9.8200	98.2	89 - 112	
4-Bromofluorobenzene (Surrogate)	10.000	10.120	101	85 - 114	

INTERNAL STANDARD	AREA	RT	REF AREA	REF RT	Q
Pentafluorobenzene (IS)	61737	7.5	49385	7.5	

Ahtna-Pleasant Hill
2255 Contra Costa Blvd. Suite 312
Pleasant Hill, CA 94523

Reported: 2/20/2023 2:17:32PM
Project: Former USDB Lompoc
Project Number: 21044.006.01.000
Project Manager: Connor Dunn

METHOD BLANK DATA SHEET
EPA-8260C

Laboratory:	Pace Analytical - Bakersfield			SDG:	2229425
Client:	Ahtna-Pleasant Hill			Project:	Former USDB Lompoc
Matrix:	Water	Laboratory ID:	B155698-BLK1	File ID:	13DEC05.D
Prepared:	12/13/22 07:00	Preparation:	EPA 5030 Water MS	Initial/Final:	25 ml / 25 ml
Analyzed:	12/13/22 07:21	Instrument:	MS-V5		
Batch:	B155698	Sequence:	2222745	Calibration:	2212016

INTERNAL STANDARD	AREA	RT	REF AREA	REF RT	Q
Chlorobenzene-d5 (IS)	142341	10.32	120843	10.31	
1,4-Difluorobenzene (IS)	118693	8.2	104648	8.2	

Ahtna-Pleasant Hill
2255 Contra Costa Blvd. Suite 312
Pleasant Hill, CA 94523

Reported: 2/20/2023 2:17:32PM
Project: Former USDB Lompoc
Project Number: 21044.006.01.000
Project Manager: Connor Dunn

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

EPA-8260C

MW01B-1122-N

Laboratory: Pace Analytical - Bakersfield
Client: Ahtna-Pleasant Hill
Matrix: Water
Batch: B155698
Preparation: EPA 5030 Water MS
Source Sample Number: 2229425-02

SDG: 2229425
Project: Former USDB Lompoc
Laboratory ID: B155698-MS1
Initial/Final: 25 ml / 25 ml

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC. #	QC LIMITS REC.
Benzene	25.000	0.080000	21.530	85.8	79 - 120
Bromodichloromethane	25.000	ND	27.040	108	79 - 125
Bromoform	25.000	ND	23.860	95.4	66 - 130
Chloroform	25.000	ND	24.640	98.6	79 - 124
Chloromethane	25.000	ND	20.260	81.0	50 - 139
Dibromochloromethane	25.000	ND	28.700	115	74 - 126
1,1-Dichloroethene	25.000	ND	24.670	98.7	71 - 131
cis-1,2-Dichloroethene	25.000	ND	22.610	90.4	78 - 123
trans-1,2-Dichloroethene	25.000	ND	23.650	94.6	75 - 124
Methyl t-butyl ether	25.000	ND	23.150	92.6	71 - 124
Tetrachloroethene	25.000	ND	27.410	110	74 - 129
Toluene	25.000	0.10000	24.420	97.3	80 - 121
1,1,1-Trichloroethane	25.000	ND	27.160	109	74 - 131
Trichloroethene	25.000	ND	27.100	108	79 - 123
Vinyl chloride	25.000	ND	21.730	86.9	58 - 137
Total Xylenes	75.000	ND	69.950	93.3	79 - 121
Acetone	320.00	ND	370.03	116	39 - 160
Methyl ethyl ketone	160.00	ND	162.96	102	56 - 143

COMPOUND	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC. #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
Benzene	25.000	21.670	86.4	0.648	20	79 - 120
Bromodichloromethane	25.000	27.220	109	0.663	20	79 - 125
Bromoform	25.000	25.710	103	7.46	20	66 - 130
Chloroform	25.000	24.830	99.3	0.768	20	79 - 124
Chloromethane	25.000	19.670	78.7	2.96	20	50 - 139

Ahtna-Pleasant Hill
2255 Contra Costa Blvd. Suite 312
Pleasant Hill, CA 94523

Reported: 2/20/2023 2:17:32PM
Project: Former USDB Lompoc
Project Number: 21044.006.01.000
Project Manager: Connor Dunn

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

EPA-8260C

MW01B-1122-N

Laboratory: Pace Analytical - Bakersfield
SDG: 2229425
Client: Ahtna-Pleasant Hill
Project: Former USDB Lompoc
Matrix: Water
Batch: B155698
Laboratory ID: B155698-MSD1
Preparation: EPA 5030 Water MS
Initial/Final: 25 ml / 25 ml
Source Sample Number: 2229425-02

COMPOUND	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC. #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
Dibromochloromethane	25.000	30.010	120	4.46	20	74 - 126
1,1-Dichloroethene	25.000	24.310	97.2	1.47	20	71 - 131
cis-1,2-Dichloroethene	25.000	23.000	92.0	1.71	20	78 - 123
trans-1,2-Dichloroethene	25.000	23.880	95.5	0.968	20	75 - 124
Methyl t-butyl ether	25.000	24.990	100	7.64	20	71 - 124
Tetrachloroethene	25.000	26.680	107	2.70	20	74 - 129
Toluene	25.000	24.270	96.7	0.616	20	80 - 121
1,1,1-Trichloroethane	25.000	26.880	108	1.04	20	74 - 131
Trichloroethene	25.000	26.790	107	1.15	20	79 - 123
Vinyl chloride	25.000	21.910	87.6	0.825	20	58 - 137
Total Xylenes	75.000	70.460	93.9	0.726	20	79 - 121
Acetone	320.00	388.71	121	4.92	20	39 - 160
Methyl ethyl ketone	160.00	175.61	110	7.47	20	56 - 143

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

* Values outside of QC limits

Ahtna-Pleasant Hill
2255 Contra Costa Blvd. Suite 312
Pleasant Hill, CA 94523

Reported: 2/20/2023 2:17:32PM
Project: Former USDB Lompoc
Project Number: 21044.006.01.000
Project Manager: Connor Dunn

LCS RECOVERY

EPA-8260C

Laboratory: Pace Analytical - Bakersfield
Client: Ahtna-Pleasant Hill
Matrix: Water
Batch: B155698
Preparation: EPA 5030 Water MS

SDG: 2229425
Project: Former USDB Lompoc
Laboratory ID: B155698-BS1
Initial/Final: 25 ml / 25 ml

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC. #	QC LIMITS REC.
Benzene	25.000	21.340	85.4	79 - 120
Bromodichloromethane	25.000	27.490	110	79 - 125
Bromoform	25.000	23.100	92.4	66 - 130
Chloroform	25.000	25.260	101	79 - 124
Chloromethane	25.000	19.360	77.4	50 - 139
Dibromochloromethane	25.000	28.730	115	74 - 126
1,1-Dichloroethene	25.000	24.990	100	71 - 131
cis-1,2-Dichloroethene	25.000	22.820	91.3	78 - 123
trans-1,2-Dichloroethene	25.000	23.500	94.0	75 - 124
Methyl t-butyl ether	25.000	25.120	100	71 - 124
Tetrachloroethene	25.000	26.290	105	74 - 129
Toluene	25.000	23.760	95.0	80 - 121
1,1,1-Trichloroethane	25.000	26.890	108	74 - 131
Trichloroethene	25.000	26.150	105	79 - 123
Vinyl chloride	25.000	20.840	83.4	58 - 137
Total Xylenes	75.000	70.080	93.4	79 - 121
Acetone	320.00	347.99	109	39 - 160
Methyl ethyl ketone	160.00	173.41	108	56 - 143

COMPOUND	SPIKE ADDED (ug/L)	LCSD CONCENTRATION (ug/L)	LCSD % REC. #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
Benzene	25.000	21.130	84.5	0.989	20	79 - 120
Bromodichloromethane	25.000	27.560	110	0.254	20	79 - 125
Bromoform	25.000	24.300	97.2	5.06	20	66 - 130
Chloroform	25.000	25.040	100	0.875	20	79 - 124

Ahtna-Pleasant Hill
2255 Contra Costa Blvd. Suite 312
Pleasant Hill, CA 94523

Reported: 2/20/2023 2:17:32PM
Project: Former USDB Lompoc
Project Number: 21044.006.01.000
Project Manager: Connor Dunn

LCS RECOVERY

EPA-8260C

Laboratory: Pace Analytical - Bakersfield
SDG: 2229425
Client: Ahtna-Pleasant Hill
Project: Former USDB Lompoc
Matrix: Water
Batch: B155698
Laboratory ID: B155698-BSD1
Preparation: EPA 5030 Water MS
Initial/Final: 25 ml / 25 ml

COMPOUND	SPIKE ADDED (ug/L)	LCSD CONCENTRATION (ug/L)	LCSD % REC. #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
Chloromethane	25.000	19.240	77.0	0.622	20	50 - 139
Dibromochloromethane	25.000	29.210	117	1.66	20	74 - 126
1,1-Dichloroethene	25.000	24.790	99.2	0.804	20	71 - 131
cis-1,2-Dichloroethene	25.000	22.440	89.8	1.68	20	78 - 123
trans-1,2-Dichloroethene	25.000	23.000	92.0	2.15	20	75 - 124
Methyl t-butyl ether	25.000	25.150	101	0.119	20	71 - 124
Tetrachloroethene	25.000	29.120	116	10.2	20	74 - 129
Toluene	25.000	23.740	95.0	0.0842	20	80 - 121
1,1,1-Trichloroethane	25.000	26.830	107	0.223	20	74 - 131
Trichloroethene	25.000	26.350	105	0.762	20	79 - 123
Vinyl chloride	25.000	21.110	84.4	1.29	20	58 - 137
Total Xylenes	75.000	69.920	93.2	0.229	20	79 - 121
Acetone	320.00	357.54	112	2.71	20	39 - 160
Methyl ethyl ketone	160.00	182.53	114	5.12	20	56 - 143

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

* Values outside of QC limits

Ahtna-Pleasant Hill
2255 Contra Costa Blvd. Suite 312
Pleasant Hill, CA 94523

Reported: 2/20/2023 2:17:32PM
Project: Former USDB Lompoc
Project Number: 21044.006.01.000
Project Manager: Connor Dunn

ANALYSIS BATCH (SEQUENCE) SUMMARY

EPA-8260C

Laboratory:	Pace Analytical - Bakersfield	SDG:	2229425
Client:	Ahtna-Pleasant Hill	Project:	Former USDB Lompoc
Sequence:	2222745	Instrument:	MS-V5
Matrix:	Water	Calibration:	2212016

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Initial Cal Check	2222745-ICV2	16OCT26.D	10/16/22 15:11
Initial Cal Blank	2222745-ICB2	16OCT28.D	10/16/22 15:59
Initial Cal Check	2222745-ICV1	14NOV11.D	11/14/22 12:21
Initial Cal Blank	2222745-ICB1	14NOV13.D	11/14/22 13:09
MS Tune	2222745-TUN1	13DEC01.D	12/13/22 04:53
Calibration Check	2222745-CCV1	13DEC02.D	12/13/22 06:08
Calibration Check	2222745-CCV2	13DEC03.D	12/13/22 06:33
Calibration Blank	2222745-CCB1	13DEC04.D	12/13/22 06:57
Blank	B155698-BLK1	13DEC05.D	12/13/22 07:21
MW01B-1122-N	2229425-02	13DEC06.D	12/13/22 07:45
LCS	B155698-BS1	13DEC07.D	12/13/22 08:09
LCS Dup	B155698-BSD1	13DEC08.D	12/13/22 08:33
MW01B-1122-N	B155698-MS1	13DEC09.D	12/13/22 08:57
MW01B-1122-N	B155698-MSD1	13DEC10.D	12/13/22 09:21
MW01-1122-N	2229425-01	13DEC13.D	12/13/22 10:33
MW09A-1122-N	2229425-03	13DEC14.D	12/13/22 10:56
MW05A-1122-N	2229425-04	13DEC15.D	12/13/22 11:20
MW12A-1122-N	2229425-05	13DEC16.D	12/13/22 11:44
MW12A-1122-T	2229425-06	13DEC17.D	12/13/22 12:08
MW11A-1122-N	2229425-07	13DEC18.D	12/13/22 12:32
MW10A-1122-N	2229425-08	13DEC19.D	12/13/22 12:56
MW04A-1122-N	2229425-09	13DEC20.D	12/13/22 13:20
MW04A-1122-FB	2229425-10	13DEC21.D	12/13/22 13:44
MW08A-1122-N	2229425-11	13DEC22.D	12/13/22 14:08
MW08A-1122-D	2229425-12	13DEC23.D	12/13/22 14:32
MW02-1122-N	2229425-13	13DEC24.D	12/13/22 14:56
Travel Blank	2229425-14	13DEC25.D	12/13/22 15:20
MS Tune	2222745-TUN2	13DEC28.D	12/13/22 16:31

Ahtna-Pleasant Hill
2255 Contra Costa Blvd. Suite 312
Pleasant Hill, CA 94523

Reported: 2/20/2023 2:17:32PM
Project: Former USDB Lompoc
Project Number: 21044.006.01.000
Project Manager: Connor Dunn

ANALYSIS BATCH (SEQUENCE) SUMMARY

EPA-8260C

Laboratory:	Pace Analytical - Bakersfield	SDG:	2229425
Client:	Ahtna-Pleasant Hill	Project:	Former USDB Lompoc
Sequence:	2222745	Instrument:	MS-V5
Matrix:	Water	Calibration:	2212016

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Calibration Check	2222745-CCV3	13DEC29.D	12/13/22 16:55
Calibration Check	2222745-CCV4	13DEC30.D	12/13/22 17:19
Calibration Blank	2222745-CCB2	13DEC31.D	12/13/22 17:43

Ahtna-Pleasant Hill
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Project Manager: Connor Dunn

ANALYSIS BATCH (SEQUENCE) SUMMARY

EPA-8260C

Laboratory:	Pace Analytical - Bakersfield	SDG:	2229425
Client:	Ahtna-Pleasant Hill	Project:	Former USDB Lompoc
Sequence:	2222926	Instrument:	MS-V5
Matrix:	Water	Calibration:	2212016

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
MS Tune	2222926-TUN1	16OCT04.D	10/16/22 06:21
Cal Standard	2222926-CAL7	16OCT18.D	10/16/22 12:00
Cal Standard	2222926-CAL8	16OCT19.D	10/16/22 12:23
Cal Standard	2222926-CAL9	16OCT20.D	10/16/22 12:47
Cal Standard	2222926-CALA	16OCT21.D	10/16/22 13:11
Cal Standard	2222926-CALB	16OCT22.D	10/16/22 13:35
Cal Standard	2222926-CALC	16OCT23.D	10/16/22 13:59
MS Tune	2222926-TUN2	14NOV01.D	11/14/22 08:20
Cal Standard	2222926-CAL1	14NOV03.D	11/14/22 09:09
Cal Standard	2222926-CAL2	14NOV04.D	11/14/22 09:33
Cal Standard	2222926-CAL3	14NOV05.D	11/14/22 09:57
Cal Standard	2222926-CAL4	14NOV06.D	11/14/22 10:21
Cal Standard	2222926-CAL5	14NOV07.D	11/14/22 10:45
Cal Standard	2222926-CAL6	14NOV08.D	11/14/22 11:09

Ahtna-Pleasant Hill
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Project Number: 21044.006.01.000
Project Manager: Connor Dunn

MASS SPECTROMETER INSTRUMENT PERFORMANCE CHECK

EPA-8260C

Laboratory:	Pace Analytical - Bakersfield	SDG:	2229425
Client:	Ahtna-Pleasant Hill	Project:	Former USDB Lompoc
Lab File ID:	13DEC01.D	Injection Date:	12/13/22
Instrument ID:	MS-V5	Injection Time:	04:53
Sequence:	2222745	Lab Sample ID:	2222745-TUN1

m/z	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
Mass 50	15 - 40% of Mass 95	23	PASS
Mass 75	30 - 60% of Mass 95	49.4	PASS
Mass 95	Base peak, 100% relative abundance	100	PASS
Mass 96	5 - 9% of Mass 95	6.83	PASS
Mass 173	Less than 2% of Mass 174	0	PASS
Mass 174	50 - 100% of Mass 95	75.4	PASS
Mass 175	5 - 9% of Mass 174	7.14	PASS
Mass 176	95 - 101% of Mass 174	99.1	PASS
Mass 177	5 - 9% of Mass 176	7.88	PASS

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Project Manager: Connor Dunn

MASS SPECTROMETER INSTRUMENT PERFORMANCE CHECK

EPA-8260C

Laboratory:	Pace Analytical - Bakersfield	SDG:	2229425
Client:	Ahtna-Pleasant Hill	Project:	Former USDB Lompoc
Lab File ID:	13DEC28.D	Injection Date:	12/13/22
Instrument ID:	MS-V5	Injection Time:	16:31
Sequence:	2222745	Lab Sample ID:	2222745-TUN2

m/z	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
Mass 50	15 - 40% of Mass 95	18.8	PASS
Mass 75	30 - 60% of Mass 95	43.7	PASS
Mass 95	Base peak, 100% relative abundance	100	PASS
Mass 96	5 - 9% of Mass 95	6.82	PASS
Mass 173	Less than 2% of Mass 174	0.871	PASS
Mass 174	50 - 100% of Mass 95	78.8	PASS
Mass 175	5 - 9% of Mass 174	6.96	PASS
Mass 176	95 - 101% of Mass 174	99.2	PASS
Mass 177	5 - 9% of Mass 176	7.31	PASS

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Project Manager: Connor Dunn

MASS SPECTROMETER INSTRUMENT PERFORMANCE CHECK

EPA-8260C

Laboratory:	Pace Analytical - Bakersfield	SDG:	2229425
Client:	Ahtna-Pleasant Hill	Project:	Former USDB Lompoc
Lab File ID:	16OCT04.D	Injection Date:	10/16/22
Instrument ID:	MS-V5	Injection Time:	06:21
Sequence:	2222926	Lab Sample ID:	2222926-TUN1

m/z	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
Mass 50	15 - 40% of Mass 95	20.1	PASS
Mass 75	30 - 60% of Mass 95	45.4	PASS
Mass 95	Base peak, 100% relative abundance	100	PASS
Mass 96	5 - 9% of Mass 95	6.25	PASS
Mass 173	Less than 2% of Mass 174	0	PASS
Mass 174	50 - 100% of Mass 95	79.9	PASS
Mass 175	5 - 9% of Mass 174	7.64	PASS
Mass 176	95 - 101% of Mass 174	96	PASS
Mass 177	5 - 9% of Mass 176	5.91	PASS

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Project Number: 21044.006.01.000
Project Manager: Connor Dunn

MASS SPECTROMETER INSTRUMENT PERFORMANCE CHECK

EPA-8260C

Laboratory:	Pace Analytical - Bakersfield	SDG:	2229425
Client:	Ahtna-Pleasant Hill	Project:	Former USDB Lompoc
Lab File ID:	14NOV01.D	Injection Date:	11/14/22
Instrument ID:	MS-V5	Injection Time:	08:20
Sequence:	2222926	Lab Sample ID:	2222926-TUN2

m/z	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
Mass 50	15 - 40% of Mass 95	21.9	PASS
Mass 75	30 - 60% of Mass 95	47.7	PASS
Mass 95	Base peak, 100% relative abundance	100	PASS
Mass 96	5 - 9% of Mass 95	7.22	PASS
Mass 173	Less than 2% of Mass 174	0	PASS
Mass 174	50 - 100% of Mass 95	71	PASS
Mass 175	5 - 9% of Mass 174	8.35	PASS
Mass 176	95 - 101% of Mass 174	100	PASS
Mass 177	5 - 9% of Mass 176	6.64	PASS

Ahtna-Pleasant Hill
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Project: Former USDB Lompoc
Project Number: 21044.006.01.000
Project Manager: Connor Dunn

CONTINUING CALIBRATION CHECK

EPA-8260C

Laboratory:	Pace Analytical - Bakersfield	SDG:	2229425
Client:	Ahtna-Pleasant Hill	Project:	Former USDB Lompoc
Instrument ID:	MS-V5	Calibration:	2212016
Lab File ID:	16OCT26.D	Calibration Date:	10/16/22 12:00
Sequence:	2222745	Injection Date:	10/16/22
Lab Sample ID:	2222745-ICV2	Injection Time:	15:11

COMPOUND	(1) CAL TYPE	CONC. (ug/L)		RESPONSE FACTOR			% DIFF / DRIFT (2)	
		STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Acetone	A	320.00	328.52	0.2250393	0.2310304		2.7	20
Methyl ethyl ketone	A	160.00	161.43	0.4194326	0.4231825		0.9	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 Number: 21044.006.01.000
Project Manager: Connor Dunn

CONTINUING CALIBRATION CHECK

EPA-8260C

Laboratory:	Pace Analytical - Bakersfield	SDG:	2229425
Client:	Ahtna-Pleasant Hill	Project:	Former USDB Lompoc
Instrument ID:	MS-V5	Calibration:	2212016
Lab File ID:	14NOV11.D	Calibration Date:	10/16/22 12:00
Sequence:	2222745	Injection Date:	11/14/22
Lab Sample ID:	2222745-ICV1	Injection Time:	12:21

	(1)CAL	CONC. (ug/L)		RESPONSE FACTOR			% DIFF / DRIFT (2)	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Benzene	A	25.000	22.570	13.45204	12.14338		-9.7	20
Bromodichloromethane	A	25.000	24.720	1.515941	1.498837		-1.1	20
Bromoform	Q	25.000	24.730	0.2182905	0.2478487		-1.1	20
Chloroform	A	25.000	23.790	5.439249	5.175937		-4.8	20
Chloromethane	A	25.000	22.600	4.819125	4.35733		-9.6	20
Dibromochloromethane	A	25.000	26.260	0.7410133	0.7782822		5.0	20
1,1-Dichloroethene	A	25.000	24.870	5.631057	5.601042		-0.5	20
cis-1,2-Dichloroethene	A	25.000	23.350	3.702149	3.458331		-6.6	20
trans-1,2-Dichloroethene	A	25.000	24.310	3.611657	3.511633		-2.8	20
Methyl t-butyl ether	A	25.000	23.530	4.587904	4.317376		-5.9	20
Tetrachloroethene	A	25.000	22.940	1.59849	1.466765		-8.2	20
Toluene	A	25.000	23.040	3.926092	3.617881		-7.9	20
1,1,1-Trichloroethane	A	25.000	24.370	5.147224	5.018353		-2.5	20
Trichloroethene	A	25.000	23.870	1.718222	1.640519		-4.5	20
Vinyl chloride	A	25.000	24.360	3.910845	3.810157		-2.6	20
Total Xylenes	A	75.000	69.900	2.249995	2.097076		-6.8	20

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

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(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-Pleasant Hill
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Project: Former USDB Lompoc
Project Number: 21044.006.01.000
Project Manager: Connor Dunn

CONTINUING CALIBRATION CHECK

EPA-8260C

Laboratory:	Pace Analytical - Bakersfield	SDG:	2229425
Client:	Ahtna-Pleasant Hill	Project:	Former USDB Lompoc
Instrument ID:	MS-V5	Calibration:	2212016
Lab File ID:	13DEC02.D	Calibration Date:	10/16/22 12:00
Sequence:	2222745	Injection Date:	12/13/22
Lab Sample ID:	2222745-CCV1	Injection Time:	06:08

	(1) CAL	CONC. (ug/L)		RESPONSE FACTOR			% DIFF / DRIFT (2)		
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)	
Benzene	A	25.000	21.290	13.45204	11.45747		-14.8	20	
Bromodichloromethane	A	25.000	27.960	1.515941	1.695555		11.8	20	
Bromoform	Q	25.000	22.950	0.2182905	0.2279252		-8.2	20	
Chloroform	A	25.000	25.260	5.439249	5.494738		1.0	20	
Chloromethane	A	25.000	17.400	4.819125	3.354239		-30.4	20	*
Dibromochloromethane	A	25.000	28.060	0.7410133	0.8316234		12.2	20	
1,1-Dichloroethene	A	25.000	24.920	5.631057	5.613669		-0.3	20	
cis-1,2-Dichloroethene	A	25.000	22.800	3.702149	3.376661		-8.8	20	
trans-1,2-Dichloroethene	A	25.000	23.020	3.611657	3.326154		-7.9	20	
Methyl t-butyl ether	A	25.000	25.090	4.587904	4.604113		0.4	20	
Tetrachloroethene	A	25.000	26.000	1.59849	1.662325		4.0	20	
Toluene	A	25.000	24.390	3.926092	3.830965		-2.4	20	
1,1,1-Trichloroethane	A	25.000	27.000	5.147224	5.559007		8.0	20	
Trichloroethene	A	25.000	26.150	1.718222	1.797506		4.6	20	
Vinyl chloride	A	25.000	20.270	3.910845	3.170413		-18.9	20	
Total Xylenes	A	75.000	68.420	2.249995	2.052594		-8.8	20	

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

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(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 Number: 21044.006.01.000
Project Manager: Connor Dunn

CONTINUING CALIBRATION CHECK

EPA-8260C

Laboratory:	Pace Analytical - Bakersfield	SDG:	2229425
Client:	Ahtna-Pleasant Hill	Project:	Former USDB Lompoc
Instrument ID:	MS-V5	Calibration:	2212016
Lab File ID:	13DEC03.D	Calibration Date:	10/16/22 12:00
Sequence:	2222745	Injection Date:	12/13/22
Lab Sample ID:	2222745-CCV2	Injection Time:	06:33

	(1) CAL	CONC. (ug/L)		RESPONSE FACTOR			% DIFF / DRIFT (2)	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Acetone	A	320.00	356.55	0.2250393	0.2507435		11.4	20
Methyl ethyl ketone	A	160.00	175.32	0.4194326	0.4595837		9.6	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 Manager: Connor Dunn

CONTINUING CALIBRATION CHECK

EPA-8260C

Laboratory:	Pace Analytical - Bakersfield	SDG:	2229425
Client:	Ahtna-Pleasant Hill	Project:	Former USDB Lompoc
Instrument ID:	MS-V5	Calibration:	2212016
Lab File ID:	13DEC29.D	Calibration Date:	10/16/22 12:00
Sequence:	2222745	Injection Date:	12/13/22
Lab Sample ID:	2222745-CCV3	Injection Time:	16:55

	(1) CAL	CONC. (ug/L)		RESPONSE FACTOR			% DIFF / DRIFT (2)	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Benzene	A	25.000	20.040	13.45204	10.78355		-19.8	20
Bromodichloromethane	A	25.000	24.930	1.515941	1.511426		-0.3	20
Bromoform	Q	25.000	21.090	0.2182905	0.207504		-15.6	20
Chloroform	A	25.000	22.990	5.439249	5.001827		-8.0	20
Chloromethane	A	25.000	17.570	4.819125	3.386603		-29.7	20 *
Dibromochloromethane	A	25.000	25.620	0.7410133	0.7595071		2.5	20
1,1-Dichloroethene	A	25.000	22.610	5.631057	5.092425		-9.6	20
cis-1,2-Dichloroethene	A	25.000	22.090	3.702149	3.270794		-11.7	20
trans-1,2-Dichloroethene	A	25.000	23.160	3.611657	3.345273		-7.4	20
Methyl t-butyl ether	A	25.000	23.200	4.587904	4.257715		-7.2	20
Tetrachloroethene	A	25.000	26.380	1.59849	1.68672		5.5	20
Toluene	A	25.000	23.990	3.926092	3.766738		-4.1	20
1,1,1-Trichloroethane	A	25.000	23.640	5.147224	4.866193		-5.5	20
Trichloroethene	A	25.000	27.580	1.718222	1.89551		10.3	20
Vinyl chloride	A	25.000	21.480	3.910845	3.360819		-14.1	20
Total Xylenes	A	75.000	68.870	2.249995	2.065484		-8.2	20

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

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(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: 2/20/2023 2:17:32PM
Project: Former USDB Lompoc
Project Number: 21044.006.01.000
Project Manager: Connor Dunn

CONTINUING CALIBRATION CHECK

EPA-8260C

Laboratory:	Pace Analytical - Bakersfield	SDG:	2229425
Client:	Ahtna-Pleasant Hill	Project:	Former USDB Lompoc
Instrument ID:	MS-V5	Calibration:	2212016
Lab File ID:	13DEC30.D	Calibration Date:	10/16/22 12:00
Sequence:	2222745	Injection Date:	12/13/22
Lab Sample ID:	2222745-CCV4	Injection Time:	17:19

COMPOUND	(1) CAL TYPE	CONC. (ug/L)		RESPONSE FACTOR			% DIFF / DRIFT (2)	
		STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Acetone	A	320.00	299.96	0.2250393	0.2109474		-6.3	20
Methyl ethyl ketone	A	160.00	157.92	0.4194326	0.4139779		-1.3	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

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Reported: 2/20/2023 2:17:32PM
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Project Number: 21044.006.01.000
Project Manager: Connor Dunn

SURROGATE STANDARD RECOVERY AND RT SUMMARY

EPA-8260C

Laboratory: Pace Analytical - Bakersfield
Client: Ahtna-Pleasant Hill
Sequence: 2222745
Matrix: Water
SDG: 2229425
Project: Former USDB Lompoc
Instrument: MS-V5
Calibration: 2212016

Surrogate Compound	Spike Level ug/L	% Recovery	Recovery Limits	RT	Calibration Mean RT	RT Diff	RT Diff Limit	Q
Initial Cal Check (2222745-ICV1)			Lab File ID: 14NOV11.D		Analyzed: 11/14/22 12:21			
1,2-Dichloroethane-d4 (Surrogate)	10.000	102	80 - 120	7.81	7.81	0.0000	+/-1.0	
Toluene-d8 (Surrogate)	10.000	99.8	80 - 120	9.34	9.34	0.0000	+/-1.0	
4-Bromofluorobenzene (Surrogate)	10.000	99.8	80 - 120	11.02	11.02	0.0000	+/-1.0	
Initial Cal Blank (2222745-ICB1)			Lab File ID: 14NOV13.D		Analyzed: 11/14/22 13:09			
1,2-Dichloroethane-d4 (Surrogate)	10.000	100	81 - 118	7.81	7.81	0.0000	+/-1.0	
Toluene-d8 (Surrogate)	10.000	98.6	89 - 112	9.34	9.34	0.0000	+/-1.0	
4-Bromofluorobenzene (Surrogate)	10.000	98.2	85 - 114	11.02	11.02	0.0000	+/-1.0	
Calibration Check (2222745-CCV1)			Lab File ID: 13DEC02.D		Analyzed: 12/13/22 06:08			
1,2-Dichloroethane-d4 (Surrogate)	10.000	115	80 - 120	7.81	7.81	0.0000	+/-1.0	
Toluene-d8 (Surrogate)	10.000	101	80 - 120	9.34	9.34	0.0000	+/-1.0	
4-Bromofluorobenzene (Surrogate)	10.000	101	80 - 120	11.02	11.02	0.0000	+/-1.0	
Calibration Blank (2222745-CCB1)			Lab File ID: 13DEC04.D		Analyzed: 12/13/22 06:57			
1,2-Dichloroethane-d4 (Surrogate)	10.000	112	81 - 118	7.81	7.81	0.0000	+/-1.0	
Toluene-d8 (Surrogate)	10.000	99.3	89 - 112	9.34	9.34	0.0000	+/-1.0	
4-Bromofluorobenzene (Surrogate)	10.000	101	85 - 114	11.02	11.02	0.0000	+/-1.0	
Blank (B155698-BLK1)			Lab File ID: 13DEC05.D		Analyzed: 12/13/22 07:21			
1,2-Dichloroethane-d4 (Surrogate)	10.000	115	81 - 118	7.81	7.81	0.0000	+/-1.0	
Toluene-d8 (Surrogate)	10.000	98.2	89 - 112	9.34	9.34	0.0000	+/-1.0	
4-Bromofluorobenzene (Surrogate)	10.000	101	85 - 114	11.02	11.02	0.0000	+/-1.0	
MW01B-1122-N (2229425-02)			Lab File ID: 13DEC06.D		Analyzed: 12/13/22 07:45			
1,2-Dichloroethane-d4 (Surrogate)	10.000	104	81 - 118	7.81	7.81	0.0000	+/-1.0	
Toluene-d8 (Surrogate)	10.000	101	89 - 112	9.34	9.34	0.0000	+/-1.0	
4-Bromofluorobenzene (Surrogate)	10.000	98.3	85 - 114	11.02	11.02	0.0000	+/-1.0	
LCS (B155698-BS1)			Lab File ID: 13DEC07.D		Analyzed: 12/13/22 08:09			
1,2-Dichloroethane-d4 (Surrogate)	10.000	114	81 - 118	7.81	7.81	0.0000	+/-1.0	
Toluene-d8 (Surrogate)	10.000	98.6	89 - 112	9.34	9.34	0.0000	+/-1.0	
4-Bromofluorobenzene (Surrogate)	10.000	107	85 - 114	11.02	11.02	0.0000	+/-1.0	

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Project: Former USDB Lompoc
Project Number: 21044.006.01.000
Project Manager: Connor Dunn

SURROGATE STANDARD RECOVERY AND RT SUMMARY

EPA-8260C

Laboratory: Pace Analytical - Bakersfield
Client: Ahtna-Pleasant Hill
Sequence: 2222745
Matrix: Water
SDG: 2229425
Project: Former USDB Lompoc
Instrument: MS-V5
Calibration: 2212016

Surrogate Compound	Spike Level ug/L	% Recovery	Recovery Limits	RT	Calibration Mean RT	RT Diff	RT Diff Limit	Q
LCS Dup (B155698-BSD1)			Lab File ID: 13DEC08.D		Analyzed: 12/13/22 08:33			
1,2-Dichloroethane-d4 (Surrogate)	10.000	114	81 - 118	7.81	7.81	0.0000	+/-1.0	
Toluene-d8 (Surrogate)	10.000	97.3	89 - 112	9.34	9.34	0.0000	+/-1.0	
4-Bromofluorobenzene (Surrogate)	10.000	105	85 - 114	11.02	11.02	0.0000	+/-1.0	
Matrix Spike (B155698-MS1)			Lab File ID: 13DEC09.D		Analyzed: 12/13/22 08:57			
1,2-Dichloroethane-d4 (Surrogate)	10.000	107	81 - 118	7.81	7.81	0.0000	+/-1.0	
Toluene-d8 (Surrogate)	10.000	100	89 - 112	9.34	9.34	0.0000	+/-1.0	
4-Bromofluorobenzene (Surrogate)	10.000	104	85 - 114	11.02	11.02	0.0000	+/-1.0	
Matrix Spike Dup (B155698-MSD1)			Lab File ID: 13DEC10.D		Analyzed: 12/13/22 09:21			
1,2-Dichloroethane-d4 (Surrogate)	10.000	107	81 - 118	7.81	7.81	0.0000	+/-1.0	
Toluene-d8 (Surrogate)	10.000	101	89 - 112	9.34	9.34	0.0000	+/-1.0	
4-Bromofluorobenzene (Surrogate)	10.000	105	85 - 114	11.02	11.02	0.0000	+/-1.0	
MW01-1122-N (2229425-01)			Lab File ID: 13DEC13.D		Analyzed: 12/13/22 10:33			
1,2-Dichloroethane-d4 (Surrogate)	10.000	109	81 - 118	7.81	7.81	0.0000	+/-1.0	
Toluene-d8 (Surrogate)	10.000	101	89 - 112	9.34	9.34	0.0000	+/-1.0	
4-Bromofluorobenzene (Surrogate)	10.000	98.4	85 - 114	11.02	11.02	0.0000	+/-1.0	
MW09A-1122-N (2229425-03)			Lab File ID: 13DEC14.D		Analyzed: 12/13/22 10:56			
1,2-Dichloroethane-d4 (Surrogate)	10.000	108	81 - 118	7.8	7.81	-0.0100	+/-1.0	
Toluene-d8 (Surrogate)	10.000	102	89 - 112	9.34	9.34	0.0000	+/-1.0	
4-Bromofluorobenzene (Surrogate)	10.000	97.6	85 - 114	11.02	11.02	0.0000	+/-1.0	
MW05A-1122-N (2229425-04)			Lab File ID: 13DEC15.D		Analyzed: 12/13/22 11:20			
1,2-Dichloroethane-d4 (Surrogate)	10.000	108	81 - 118	7.81	7.81	0.0000	+/-1.0	
Toluene-d8 (Surrogate)	10.000	102	89 - 112	9.34	9.34	0.0000	+/-1.0	
4-Bromofluorobenzene (Surrogate)	10.000	100	85 - 114	11.02	11.02	0.0000	+/-1.0	
MW12A-1122-N (2229425-05)			Lab File ID: 13DEC16.D		Analyzed: 12/13/22 11:44			
1,2-Dichloroethane-d4 (Surrogate)	10.000	104	81 - 118	7.81	7.81	0.0000	+/-1.0	
Toluene-d8 (Surrogate)	10.000	102	89 - 112	9.34	9.34	0.0000	+/-1.0	
4-Bromofluorobenzene (Surrogate)	10.000	104	85 - 114	11.02	11.02	0.0000	+/-1.0	

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Project Number: 21044.006.01.000
Project Manager: Connor Dunn

SURROGATE STANDARD RECOVERY AND RT SUMMARY

EPA-8260C

Laboratory: Pace Analytical - Bakersfield
Client: Ahtna-Pleasant Hill
Sequence: 2222745
Matrix: Water
SDG: 2229425
Project: Former USDB Lompoc
Instrument: MS-V5
Calibration: 2212016

Surrogate Compound	Spike Level ug/L	% Recovery	Recovery Limits	RT	Calibration Mean RT	RT Diff	RT Diff Limit	Q
MW12A-1122-T (2229425-06)			Lab File ID: 13DEC17.D		Analyzed: 12/13/22 12:08			
1,2-Dichloroethane-d4 (Surrogate)	10.000	107	81 - 118	7.81	7.81	0.0000	+/-1.0	
Toluene-d8 (Surrogate)	10.000	101	89 - 112	9.34	9.34	0.0000	+/-1.0	
4-Bromofluorobenzene (Surrogate)	10.000	98.3	85 - 114	11.02	11.02	0.0000	+/-1.0	
MW11A-1122-N (2229425-07)			Lab File ID: 13DEC18.D		Analyzed: 12/13/22 12:32			
1,2-Dichloroethane-d4 (Surrogate)	10.000	111	81 - 118	7.81	7.81	0.0000	+/-1.0	
Toluene-d8 (Surrogate)	10.000	96.3	89 - 112	9.34	9.34	0.0000	+/-1.0	
4-Bromofluorobenzene (Surrogate)	10.000	101	85 - 114	11.02	11.02	0.0000	+/-1.0	
MW10A-1122-N (2229425-08)			Lab File ID: 13DEC19.D		Analyzed: 12/13/22 12:56			
1,2-Dichloroethane-d4 (Surrogate)	10.000	113	81 - 118	7.81	7.81	0.0000	+/-1.0	
Toluene-d8 (Surrogate)	10.000	99.2	89 - 112	9.34	9.34	0.0000	+/-1.0	
4-Bromofluorobenzene (Surrogate)	10.000	95.0	85 - 114	11.02	11.02	0.0000	+/-1.0	
MW04A-1122-N (2229425-09)			Lab File ID: 13DEC20.D		Analyzed: 12/13/22 13:20			
1,2-Dichloroethane-d4 (Surrogate)	10.000	106	81 - 118	7.81	7.81	0.0000	+/-1.0	
Toluene-d8 (Surrogate)	10.000	98.6	89 - 112	9.34	9.34	0.0000	+/-1.0	
4-Bromofluorobenzene (Surrogate)	10.000	97.0	85 - 114	11.02	11.02	0.0000	+/-1.0	
MW04A-1122-FB (2229425-10)			Lab File ID: 13DEC21.D		Analyzed: 12/13/22 13:44			
1,2-Dichloroethane-d4 (Surrogate)	10.000	105	81 - 118	7.81	7.81	0.0000	+/-1.0	
Toluene-d8 (Surrogate)	10.000	99.4	89 - 112	9.34	9.34	0.0000	+/-1.0	
4-Bromofluorobenzene (Surrogate)	10.000	98.0	85 - 114	11.02	11.02	0.0000	+/-1.0	
MW08A-1122-N (2229425-11)			Lab File ID: 13DEC22.D		Analyzed: 12/13/22 14:08			
1,2-Dichloroethane-d4 (Surrogate)	10.000	108	81 - 118	7.81	7.81	0.0000	+/-1.0	
Toluene-d8 (Surrogate)	10.000	96.9	89 - 112	9.34	9.34	0.0000	+/-1.0	
4-Bromofluorobenzene (Surrogate)	10.000	98.7	85 - 114	11.02	11.02	0.0000	+/-1.0	
MW08A-1122-D (2229425-12)			Lab File ID: 13DEC23.D		Analyzed: 12/13/22 14:32			
1,2-Dichloroethane-d4 (Surrogate)	10.000	105	81 - 118	7.81	7.81	0.0000	+/-1.0	
Toluene-d8 (Surrogate)	10.000	98.8	89 - 112	9.34	9.34	0.0000	+/-1.0	
4-Bromofluorobenzene (Surrogate)	10.000	97.6	85 - 114	11.02	11.02	0.0000	+/-1.0	

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Project Number: 21044.006.01.000
Project Manager: Connor Dunn

SURROGATE STANDARD RECOVERY AND RT SUMMARY

EPA-8260C

Laboratory: Pace Analytical - Bakersfield
Client: Ahtna-Pleasant Hill
Sequence: 2222745
Matrix: Water
SDG: 2229425
Project: Former USDB Lompoc
Instrument: MS-V5
Calibration: 2212016

Surrogate Compound	Spike Level ug/L	% Recovery	Recovery Limits	RT	Calibration Mean RT	RT Diff	RT Diff Limit	Q
MW02-1122-N (2229425-13)			Lab File ID: 13DEC24.D		Analyzed: 12/13/22 14:56			
1,2-Dichloroethane-d4 (Surrogate)	10.000	114	81 - 118	7.81	7.81	0.0000	+/-1.0	
Toluene-d8 (Surrogate)	10.000	98.6	89 - 112	9.34	9.34	0.0000	+/-1.0	
4-Bromofluorobenzene (Surrogate)	10.000	98.7	85 - 114	11.02	11.02	0.0000	+/-1.0	
Travel Blank (2229425-14)			Lab File ID: 13DEC25.D		Analyzed: 12/13/22 15:20			
1,2-Dichloroethane-d4 (Surrogate)	10.000	110	81 - 118	7.81	7.81	0.0000	+/-1.0	
Toluene-d8 (Surrogate)	10.000	98.5	89 - 112	9.34	9.34	0.0000	+/-1.0	
4-Bromofluorobenzene (Surrogate)	10.000	93.1	85 - 114	11.02	11.02	0.0000	+/-1.0	
Calibration Check (2222745-CCV3)			Lab File ID: 13DEC29.D		Analyzed: 12/13/22 16:55			
1,2-Dichloroethane-d4 (Surrogate)	10.000	97.3	80 - 120	7.81	7.81	0.0000	+/-1.0	
Toluene-d8 (Surrogate)	10.000	101	80 - 120	9.34	9.34	0.0000	+/-1.0	
4-Bromofluorobenzene (Surrogate)	10.000	98.5	80 - 120	11.02	11.02	0.0000	+/-1.0	
Calibration Blank (2222745-CCB2)			Lab File ID: 13DEC31.D		Analyzed: 12/13/22 17:43			
1,2-Dichloroethane-d4 (Surrogate)	10.000	92.7	81 - 118	7.81	7.81	0.0000	+/-1.0	
Toluene-d8 (Surrogate)	10.000	101	89 - 112	9.34	9.34	0.0000	+/-1.0	
4-Bromofluorobenzene (Surrogate)	10.000	98.3	85 - 114	11.02	11.02	0.0000	+/-1.0	

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SURROGATE STANDARD RECOVERY AND RT SUMMARY

EPA-8260C

Laboratory: Pace Analytical - Bakersfield
Client: Ahtna-Pleasant Hill
Sequence: 2222926
Matrix: Water

SDG: 2229425
Project: Former USDB Lompoc
Instrument: MS-V5
Calibration: 2212016

Surrogate Compound	Spike Level ug/L	% Recovery	Recovery Limits	RT	Calibration Mean RT	RT Diff	RT Diff Limit	Q
Cal Standard (2222926-CAL1)			Lab File ID: 14NOV03.D		Analyzed: 11/14/22 09:09			
1,2-Dichloroethane-d4 (Surrogate)	10.000	84.8		7.81	7.81	0.0000	+/-1.0	
Toluene-d8 (Surrogate)	10.000	99.0		9.34	9.34	0.0000	+/-1.0	
4-Bromofluorobenzene (Surrogate)	10.000	96.7		11.02	11.02	0.0000	+/-1.0	
Cal Standard (2222926-CAL2)			Lab File ID: 14NOV04.D		Analyzed: 11/14/22 09:33			
1,2-Dichloroethane-d4 (Surrogate)	10.000	90.0		7.81	7.81	0.0000	+/-1.0	
Toluene-d8 (Surrogate)	10.000	98.5		9.34	9.34	0.0000	+/-1.0	
4-Bromofluorobenzene (Surrogate)	10.000	95.7		11.02	11.02	0.0000	+/-1.0	
Cal Standard (2222926-CAL3)			Lab File ID: 14NOV05.D		Analyzed: 11/14/22 09:57			
1,2-Dichloroethane-d4 (Surrogate)	10.000	91.5		7.81	7.81	0.0000	+/-1.0	
Toluene-d8 (Surrogate)	10.000	97.5		9.34	9.34	0.0000	+/-1.0	
4-Bromofluorobenzene (Surrogate)	10.000	99.0		11.02	11.02	0.0000	+/-1.0	
Cal Standard (2222926-CAL4)			Lab File ID: 14NOV06.D		Analyzed: 11/14/22 10:21			
1,2-Dichloroethane-d4 (Surrogate)	10.000	93.8		7.81	7.81	0.0000	+/-1.0	
Toluene-d8 (Surrogate)	10.000	101		9.34	9.34	0.0000	+/-1.0	
4-Bromofluorobenzene (Surrogate)	10.000	97.2		11.02	11.02	0.0000	+/-1.0	
Cal Standard (2222926-CAL5)			Lab File ID: 14NOV07.D		Analyzed: 11/14/22 10:45			
1,2-Dichloroethane-d4 (Surrogate)	10.000	92.0		7.81	7.81	0.0000	+/-1.0	
Toluene-d8 (Surrogate)	10.000	99.7		9.34	9.34	0.0000	+/-1.0	
4-Bromofluorobenzene (Surrogate)	10.000	99.7		11.02	11.02	0.0000	+/-1.0	
Cal Standard (2222926-CAL6)			Lab File ID: 14NOV08.D		Analyzed: 11/14/22 11:09			
1,2-Dichloroethane-d4 (Surrogate)	10.000	91.7		7.81	7.81	0.0000	+/-1.0	
Toluene-d8 (Surrogate)	10.000	100		9.34	9.34	0.0000	+/-1.0	
4-Bromofluorobenzene (Surrogate)	10.000	102		11.02	11.02	0.0000	+/-1.0	

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Project Manager: Connor Dunn

INTERNAL STANDARD AREA AND RT SUMMARY
EPA-8260C

Laboratory: Pace Analytical - Bakersfield
Client: Ahtna-Pleasant Hill
Sequence: 2222745
Matrix: Water
SDG: 2229425
Project: Former USDB Lompoc
Instrument: MS-V5
Calibration: 2212016

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
Initial Cal Check (2222745-ICV2)			Lab File ID: 16OCT26.D			Analyzed: 10/16/22 15:11			
Pentafluorobenzene (IS)	48507	7.5	49385	7.5	98	50 - 200	0.0000	+/-0.50	
Chlorobenzene-d5 (IS)	113051	10.32	120843	10.31	94	50 - 200	0.0100	+/-0.50	
1,4-Difluorobenzene (IS)	94577	8.2	104648	8.2	90	50 - 200	0.0000	+/-0.50	
Initial Cal Blank (2222745-ICB2)			Lab File ID: 16OCT28.D			Analyzed: 10/16/22 15:59			
Pentafluorobenzene (IS)	50871	7.5	49385	7.5	103	50 - 200	0.0000	+/-0.50	
Chlorobenzene-d5 (IS)	116345	10.32	120843	10.31	96	50 - 200	0.0100	+/-0.50	
1,4-Difluorobenzene (IS)	100099	8.21	104648	8.2	96	50 - 200	0.0100	+/-0.50	
Initial Cal Check (2222745-ICV1)			Lab File ID: 14NOV11.D			Analyzed: 11/14/22 12:21			
Pentafluorobenzene (IS)	48756	7.5	49385	7.5	99	50 - 200	0.0000	+/-0.50	
Chlorobenzene-d5 (IS)	119042	10.31	120843	10.31	99	50 - 200	0.0000	+/-0.50	
1,4-Difluorobenzene (IS)	102994	8.2	104648	8.2	98	50 - 200	0.0000	+/-0.50	
Initial Cal Blank (2222745-ICB1)			Lab File ID: 14NOV13.D			Analyzed: 11/14/22 13:09			
Pentafluorobenzene (IS)	54655	7.5	49385	7.5	111	50 - 200	0.0000	+/-0.50	
Chlorobenzene-d5 (IS)	125016	10.31	120843	10.31	103	50 - 200	0.0000	+/-0.50	
1,4-Difluorobenzene (IS)	110392	8.2	104648	8.2	105	50 - 200	0.0000	+/-0.50	
Calibration Check (2222745-CCV1)			Lab File ID: 13DEC02.D			Analyzed: 12/13/22 06:08			
Pentafluorobenzene (IS)	56214	7.51	49385	7.5	114	50 - 200	0.0100	+/-0.50	
Chlorobenzene-d5 (IS)	140948	10.32	120843	10.31	117	50 - 200	0.0100	+/-0.50	
1,4-Difluorobenzene (IS)	111563	8.2	104648	8.2	107	50 - 200	0.0000	+/-0.50	
Calibration Check (2222745-CCV2)			Lab File ID: 13DEC03.D			Analyzed: 12/13/22 06:33			
Pentafluorobenzene (IS)	58635	7.5	49385	7.5	119	50 - 200	0.0000	+/-0.50	
Chlorobenzene-d5 (IS)	146042	10.32	120843	10.31	121	50 - 200	0.0100	+/-0.50	
1,4-Difluorobenzene (IS)	117274	8.21	104648	8.2	112	50 - 200	0.0100	+/-0.50	
Calibration Blank (2222745-CCB1)			Lab File ID: 13DEC04.D			Analyzed: 12/13/22 06:57			
Pentafluorobenzene (IS)	63710	7.5	49385	7.5	129	50 - 200	0.0000	+/-0.50	
Chlorobenzene-d5 (IS)	143098	10.32	120843	10.31	118	50 - 200	0.0100	+/-0.50	
1,4-Difluorobenzene (IS)	118278	8.21	104648	8.2	113	50 - 200	0.0100	+/-0.50	

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Project Manager: Connor Dunn

INTERNAL STANDARD AREA AND RT SUMMARY
EPA-8260C

Laboratory: Pace Analytical - Bakersfield
Client: Ahtna-Pleasant Hill
Sequence: 2222745
Matrix: Water
SDG: 2229425
Project: Former USDB Lompoc
Instrument: MS-V5
Calibration: 2212016

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
Blank (B155698-BLK1)			Lab File ID: 13DEC05.D			Analyzed: 12/13/22 07:21			
Pentafluorobenzene (IS)	61737	7.5	49385	7.5	125	50 - 200	0.0000	+/-0.50	
Chlorobenzene-d5 (IS)	142341	10.32	120843	10.31	118	50 - 200	0.0100	+/-0.50	
1,4-Difluorobenzene (IS)	118693	8.2	104648	8.2	113	50 - 200	0.0000	+/-0.50	
MW01B-1122-N (2229425-02)			Lab File ID: 13DEC06.D			Analyzed: 12/13/22 07:45			
Pentafluorobenzene (IS)	60599	7.5	49385	7.5	123	50 - 200	0.0000	+/-0.50	
Chlorobenzene-d5 (IS)	135498	10.32	120843	10.31	112	50 - 200	0.0100	+/-0.50	
1,4-Difluorobenzene (IS)	111971	8.2	104648	8.2	107	50 - 200	0.0000	+/-0.50	
LCS (B155698-BS1)			Lab File ID: 13DEC07.D			Analyzed: 12/13/22 08:09			
Pentafluorobenzene (IS)	56241	7.51	49385	7.5	114	50 - 200	0.0100	+/-0.50	
Chlorobenzene-d5 (IS)	138280	10.32	120843	10.31	114	50 - 200	0.0100	+/-0.50	
1,4-Difluorobenzene (IS)	113127	8.2	104648	8.2	108	50 - 200	0.0000	+/-0.50	
LCS Dup (B155698-BSD1)			Lab File ID: 13DEC08.D			Analyzed: 12/13/22 08:33			
Pentafluorobenzene (IS)	60760	7.5	49385	7.5	123	50 - 200	0.0000	+/-0.50	
Chlorobenzene-d5 (IS)	148466	10.32	120843	10.31	123	50 - 200	0.0100	+/-0.50	
1,4-Difluorobenzene (IS)	121972	8.2	104648	8.2	117	50 - 200	0.0000	+/-0.50	
Matrix Spike (B155698-MS1)			Lab File ID: 13DEC09.D			Analyzed: 12/13/22 08:57			
Pentafluorobenzene (IS)	59969	7.5	49385	7.5	121	50 - 200	0.0000	+/-0.50	
Chlorobenzene-d5 (IS)	149784	10.31	120843	10.31	124	50 - 200	0.0000	+/-0.50	
1,4-Difluorobenzene (IS)	119297	8.2	104648	8.2	114	50 - 200	0.0000	+/-0.50	
Matrix Spike Dup (B155698-MSD1)			Lab File ID: 13DEC10.D			Analyzed: 12/13/22 09:21			
Pentafluorobenzene (IS)	65665	7.5	49385	7.5	133	50 - 200	0.0000	+/-0.50	
Chlorobenzene-d5 (IS)	164476	10.32	120843	10.31	136	50 - 200	0.0100	+/-0.50	
1,4-Difluorobenzene (IS)	131531	8.2	104648	8.2	126	50 - 200	0.0000	+/-0.50	
MW01-1122-N (2229425-01)			Lab File ID: 13DEC13.D			Analyzed: 12/13/22 10:33			
Pentafluorobenzene (IS)	67647	7.5	49385	7.5	137	50 - 200	0.0000	+/-0.50	
Chlorobenzene-d5 (IS)	169879	10.32	120843	10.31	141	50 - 200	0.0100	+/-0.50	
1,4-Difluorobenzene (IS)	133489	8.2	104648	8.2	128	50 - 200	0.0000	+/-0.50	

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Project Number: 21044.006.01.000
Project Manager: Connor Dunn

INTERNAL STANDARD AREA AND RT SUMMARY
EPA-8260C

Laboratory: Pace Analytical - Bakersfield
Client: Ahtna-Pleasant Hill
Sequence: 2222745
Matrix: Water
SDG: 2229425
Project: Former USDB Lompoc
Instrument: MS-V5
Calibration: 2212016

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
MW09A-1122-N (2229425-03)			Lab File ID: 13DEC14.D			Analyzed: 12/13/22 10:56			
Pentafluorobenzene (IS)	68198	7.5	49385	7.5	138	50 - 200	0.0000	+/-0.50	
Chlorobenzene-d5 (IS)	166353	10.31	120843	10.31	138	50 - 200	0.0000	+/-0.50	
1,4-Difluorobenzene (IS)	132063	8.2	104648	8.2	126	50 - 200	0.0000	+/-0.50	
MW05A-1122-N (2229425-04)			Lab File ID: 13DEC15.D			Analyzed: 12/13/22 11:20			
Pentafluorobenzene (IS)	67740	7.5	49385	7.5	137	50 - 200	0.0000	+/-0.50	
Chlorobenzene-d5 (IS)	159737	10.32	120843	10.31	132	50 - 200	0.0100	+/-0.50	
1,4-Difluorobenzene (IS)	128229	8.2	104648	8.2	123	50 - 200	0.0000	+/-0.50	
MW12A-1122-N (2229425-05)			Lab File ID: 13DEC16.D			Analyzed: 12/13/22 11:44			
Pentafluorobenzene (IS)	67867	7.5	49385	7.5	137	50 - 200	0.0000	+/-0.50	
Chlorobenzene-d5 (IS)	153749	10.31	120843	10.31	127	50 - 200	0.0000	+/-0.50	
1,4-Difluorobenzene (IS)	127604	8.2	104648	8.2	122	50 - 200	0.0000	+/-0.50	
MW12A-1122-T (2229425-06)			Lab File ID: 13DEC17.D			Analyzed: 12/13/22 12:08			
Pentafluorobenzene (IS)	68357	7.5	49385	7.5	138	50 - 200	0.0000	+/-0.50	
Chlorobenzene-d5 (IS)	155359	10.32	120843	10.31	129	50 - 200	0.0100	+/-0.50	
1,4-Difluorobenzene (IS)	128291	8.2	104648	8.2	123	50 - 200	0.0000	+/-0.50	
MW11A-1122-N (2229425-07)			Lab File ID: 13DEC18.D			Analyzed: 12/13/22 12:32			
Pentafluorobenzene (IS)	63664	7.5	49385	7.5	129	50 - 200	0.0000	+/-0.50	
Chlorobenzene-d5 (IS)	142667	10.32	120843	10.31	118	50 - 200	0.0100	+/-0.50	
1,4-Difluorobenzene (IS)	127077	8.2	104648	8.2	121	50 - 200	0.0000	+/-0.50	
MW10A-1122-N (2229425-08)			Lab File ID: 13DEC19.D			Analyzed: 12/13/22 12:56			
Pentafluorobenzene (IS)	60632	7.5	49385	7.5	123	50 - 200	0.0000	+/-0.50	
Chlorobenzene-d5 (IS)	142323	10.32	120843	10.31	118	50 - 200	0.0100	+/-0.50	
1,4-Difluorobenzene (IS)	120316	8.2	104648	8.2	115	50 - 200	0.0000	+/-0.50	
MW04A-1122-N (2229425-09)			Lab File ID: 13DEC20.D			Analyzed: 12/13/22 13:20			
Pentafluorobenzene (IS)	60690	7.5	49385	7.5	123	50 - 200	0.0000	+/-0.50	
Chlorobenzene-d5 (IS)	138688	10.32	120843	10.31	115	50 - 200	0.0100	+/-0.50	
1,4-Difluorobenzene (IS)	116921	8.2	104648	8.2	112	50 - 200	0.0000	+/-0.50	

Ahtna-Pleasant Hill
2255 Contra Costa Blvd. Suite 312
Pleasant Hill, CA 94523

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Project: Former USDB Lompoc
Project Number: 21044.006.01.000
Project Manager: Connor Dunn

INTERNAL STANDARD AREA AND RT SUMMARY
EPA-8260C

Laboratory: Pace Analytical - Bakersfield
Client: Ahtna-Pleasant Hill
Sequence: 2222745
Matrix: Water
SDG: 2229425
Project: Former USDB Lompoc
Instrument: MS-V5
Calibration: 2212016

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
MW04A-1122-FB (2229425-10)			Lab File ID: 13DEC21.D			Analyzed: 12/13/22 13:44			
Pentafluorobenzene (IS)	61909	7.5	49385	7.5	125	50 - 200	0.0000	+/-0.50	
Chlorobenzene-d5 (IS)	133048	10.31	120843	10.31	110	50 - 200	0.0000	+/-0.50	
1,4-Difluorobenzene (IS)	113653	8.2	104648	8.2	109	50 - 200	0.0000	+/-0.50	
MW08A-1122-N (2229425-11)			Lab File ID: 13DEC22.D			Analyzed: 12/13/22 14:08			
Pentafluorobenzene (IS)	60909	7.5	49385	7.5	123	50 - 200	0.0000	+/-0.50	
Chlorobenzene-d5 (IS)	127853	10.31	120843	10.31	106	50 - 200	0.0000	+/-0.50	
1,4-Difluorobenzene (IS)	113471	8.2	104648	8.2	108	50 - 200	0.0000	+/-0.50	
MW08A-1122-D (2229425-12)			Lab File ID: 13DEC23.D			Analyzed: 12/13/22 14:32			
Pentafluorobenzene (IS)	59297	7.5	49385	7.5	120	50 - 200	0.0000	+/-0.50	
Chlorobenzene-d5 (IS)	124407	10.32	120843	10.31	103	50 - 200	0.0100	+/-0.50	
1,4-Difluorobenzene (IS)	109622	8.2	104648	8.2	105	50 - 200	0.0000	+/-0.50	
MW02-1122-N (2229425-13)			Lab File ID: 13DEC24.D			Analyzed: 12/13/22 14:56			
Pentafluorobenzene (IS)	54902	7.5	49385	7.5	111	50 - 200	0.0000	+/-0.50	
Chlorobenzene-d5 (IS)	120338	10.32	120843	10.31	100	50 - 200	0.0100	+/-0.50	
1,4-Difluorobenzene (IS)	105342	8.2	104648	8.2	101	50 - 200	0.0000	+/-0.50	
Travel Blank (2229425-14)			Lab File ID: 13DEC25.D			Analyzed: 12/13/22 15:20			
Pentafluorobenzene (IS)	53910	7.5	49385	7.5	109	50 - 200	0.0000	+/-0.50	
Chlorobenzene-d5 (IS)	123018	10.32	120843	10.31	102	50 - 200	0.0100	+/-0.50	
1,4-Difluorobenzene (IS)	102827	8.2	104648	8.2	98	50 - 200	0.0000	+/-0.50	
Calibration Check (2222745-CCV3)			Lab File ID: 13DEC29.D			Analyzed: 12/13/22 16:55			
Pentafluorobenzene (IS)	76854	7.5	49385	7.5	156	50 - 200	0.0000	+/-0.50	
Chlorobenzene-d5 (IS)	182144	10.31	120843	10.31	151	50 - 200	0.0000	+/-0.50	
1,4-Difluorobenzene (IS)	146712	8.2	104648	8.2	140	50 - 200	0.0000	+/-0.50	
Calibration Check (2222745-CCV4)			Lab File ID: 13DEC30.D			Analyzed: 12/13/22 17:19			
Pentafluorobenzene (IS)	79845	7.51	49385	7.5	162	50 - 200	0.0100	+/-0.50	
Chlorobenzene-d5 (IS)	188433	10.32	120843	10.31	156	50 - 200	0.0100	+/-0.50	
1,4-Difluorobenzene (IS)	148432	8.2	104648	8.2	142	50 - 200	0.0000	+/-0.50	

Ahtna-Pleasant Hill
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Project Manager: Connor Dunn

INTERNAL STANDARD AREA AND RT SUMMARY
EPA-8260C

Laboratory: Pace Analytical - Bakersfield
Client: Ahtna-Pleasant Hill
Sequence: 2222745
Matrix: Water
SDG: 2229425
Project: Former USDB Lompoc
Instrument: MS-V5
Calibration: 2212016

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
Calibration Blank (2222745-CCB2)			Lab File ID: 13DEC31.D			Analyzed: 12/13/22 17:43			
Pentafluorobenzene (IS)	86583	7.5	49385	7.5	175	50 - 200	0.0000	+/-0.50	
Chlorobenzene-d5 (IS)	187941	10.32	120843	10.31	156	50 - 200	0.0100	+/-0.50	
1,4-Difluorobenzene (IS)	152908	8.2	104648	8.2	146	50 - 200	0.0000	+/-0.50	

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Project Manager: Connor Dunn

INTERNAL STANDARD AREA AND RT SUMMARY
EPA-8260C

Laboratory: Pace Analytical - Bakersfield
Client: Ahtna-Pleasant Hill
Sequence: 2222926
Matrix: Water
SDG: 2229425
Project: Former USDB Lompoc
Instrument: MS-V5
Calibration: 2212016

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
Cal Standard (2222926-CAL7)			Lab File ID: 16OCT18.D			Analyzed: 10/16/22 12:00			
Pentafluorobenzene (IS)	48820	7.5	49385	7.5	99	50 - 200	0.0000	+/-0.50	
Chlorobenzene-d5 (IS)	112279	10.32	120843	10.31	93	50 - 200	0.0100	+/-0.50	
1,4-Difluorobenzene (IS)	96456	8.2	104648	8.2	92	50 - 200	0.0000	+/-0.50	
Cal Standard (2222926-CAL8)			Lab File ID: 16OCT19.D			Analyzed: 10/16/22 12:23			
Pentafluorobenzene (IS)	47211	7.5	49385	7.5	96	50 - 200	0.0000	+/-0.50	
Chlorobenzene-d5 (IS)	113341	10.31	120843	10.31	94	50 - 200	0.0000	+/-0.50	
1,4-Difluorobenzene (IS)	93769	8.2	104648	8.2	90	50 - 200	0.0000	+/-0.50	
Cal Standard (2222926-CAL9)			Lab File ID: 16OCT20.D			Analyzed: 10/16/22 12:47			
Pentafluorobenzene (IS)	47866	7.5	49385	7.5	97	50 - 200	0.0000	+/-0.50	
Chlorobenzene-d5 (IS)	113171	10.32	120843	10.31	94	50 - 200	0.0100	+/-0.50	
1,4-Difluorobenzene (IS)	93809	8.2	104648	8.2	90	50 - 200	0.0000	+/-0.50	
Cal Standard (2222926-CALA)			Lab File ID: 16OCT21.D			Analyzed: 10/16/22 13:11			
Pentafluorobenzene (IS)	48263	7.5	49385	7.5	98	50 - 200	0.0000	+/-0.50	
Chlorobenzene-d5 (IS)	114688	10.32	120843	10.31	95	50 - 200	0.0100	+/-0.50	
1,4-Difluorobenzene (IS)	93569	8.21	104648	8.2	89	50 - 200	0.0100	+/-0.50	
Cal Standard (2222926-CALB)			Lab File ID: 16OCT22.D			Analyzed: 10/16/22 13:35			
Pentafluorobenzene (IS)	47064	7.5	49385	7.5	95	50 - 200	0.0000	+/-0.50	
Chlorobenzene-d5 (IS)	112589	10.32	120843	10.31	93	50 - 200	0.0100	+/-0.50	
1,4-Difluorobenzene (IS)	92396	8.2	104648	8.2	88	50 - 200	0.0000	+/-0.50	
Cal Standard (2222926-CALC)			Lab File ID: 16OCT23.D			Analyzed: 10/16/22 13:59			
Pentafluorobenzene (IS)	47042	7.5	49385	7.5	95	50 - 200	0.0000	+/-0.50	
Chlorobenzene-d5 (IS)	112441	10.31	120843	10.31	93	50 - 200	0.0000	+/-0.50	
1,4-Difluorobenzene (IS)	91033	8.2	104648	8.2	87	50 - 200	0.0000	+/-0.50	
Cal Standard (2222926-CAL1)			Lab File ID: 14NOV03.D			Analyzed: 11/14/22 09:09			
Pentafluorobenzene (IS)	53730	7.5	49385	7.5	109	50 - 200	0.0000	+/-0.50	
Chlorobenzene-d5 (IS)	120996	10.32	120843	10.31	100	50 - 200	0.0100	+/-0.50	
1,4-Difluorobenzene (IS)	104681	8.2	104648	8.2	100	50 - 200	0.0000	+/-0.50	

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Project Manager: Connor Dunn

INTERNAL STANDARD AREA AND RT SUMMARY
EPA-8260C

Laboratory: Pace Analytical - Bakersfield
Client: Ahtna-Pleasant Hill
Sequence: 2222926
Matrix: Water
SDG: 2229425
Project: Former USDB Lompoc
Instrument: MS-V5
Calibration: 2212016

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
Cal Standard (2222926-CAL2)			Lab File ID: 14NOV04.D			Analyzed: 11/14/22 09:33			
Pentafluorobenzene (IS)	51138	7.5	49385	7.5	104	50 - 200	0.0000	+/-0.50	
Chlorobenzene-d5 (IS)	119512	10.31	120843	10.31	99	50 - 200	0.0000	+/-0.50	
1,4-Difluorobenzene (IS)	104288	8.2	104648	8.2	100	50 - 200	0.0000	+/-0.50	
Cal Standard (2222926-CAL3)			Lab File ID: 14NOV05.D			Analyzed: 11/14/22 09:57			
Pentafluorobenzene (IS)	50126	7.5	49385	7.5	102	50 - 200	0.0000	+/-0.50	
Chlorobenzene-d5 (IS)	117013	10.32	120843	10.31	97	50 - 200	0.0100	+/-0.50	
1,4-Difluorobenzene (IS)	105162	8.2	104648	8.2	100	50 - 200	0.0000	+/-0.50	
Cal Standard (2222926-CAL4)			Lab File ID: 14NOV06.D			Analyzed: 11/14/22 10:21			
Pentafluorobenzene (IS)	49215	7.5	49385	7.5	100	50 - 200	0.0000	+/-0.50	
Chlorobenzene-d5 (IS)	119939	10.32	120843	10.31	99	50 - 200	0.0100	+/-0.50	
1,4-Difluorobenzene (IS)	101969	8.2	104648	8.2	97	50 - 200	0.0000	+/-0.50	
Cal Standard (2222926-CAL5)			Lab File ID: 14NOV07.D			Analyzed: 11/14/22 10:45			
Pentafluorobenzene (IS)	49385	7.5	49385	7.5	100	50 - 200	0.0000	+/-0.50	
Chlorobenzene-d5 (IS)	120843	10.31	120843	10.31	100	50 - 200	0.0000	+/-0.50	
1,4-Difluorobenzene (IS)	104648	8.2	104648	8.2	100	50 - 200	0.0000	+/-0.50	
Cal Standard (2222926-CAL6)			Lab File ID: 14NOV08.D			Analyzed: 11/14/22 11:09			
Pentafluorobenzene (IS)	49125	7.5	49385	7.5	99	50 - 200	0.0000	+/-0.50	
Chlorobenzene-d5 (IS)	125029	10.32	120843	10.31	103	50 - 200	0.0100	+/-0.50	
1,4-Difluorobenzene (IS)	105263	8.2	104648	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: Connor Dunn

INITIAL CALIBRATION STANDARDS

EPA-8260C

Laboratory:	Pace Analytical - Bakersfield	SDG:	2229425
Client:	Ahtna-Pleasant Hill	Project:	Former USDB Lompoc
Sequence:	2222926	Instrument:	MS-V5
Calibration:	2212016		

Standard ID	Description	Lab Sample ID	Lab File ID	Analysis Date/Time
2I28012	8260 /524.2 V5 BFB 50NG	2222926-TUN1	16OCT04.D	10/16/22 06:21
2J16016	8260 B/524.2 V5 2219286-CAL7	2222926-CAL7	16OCT18.D	10/16/22 12:00
2J16017	8260 B/524.2 V5 2219286-CAL8	2222926-CAL8	16OCT19.D	10/16/22 12:23
2J16018	8260 B/524.2 V5 2219286-CAL9	2222926-CAL9	16OCT20.D	10/16/22 12:47
2J16019	8260 B/524.2 V5 2219286-CALA	2222926-CALA	16OCT21.D	10/16/22 13:11
2J16020	8260 B/524.2 V5 2219286-CALB	2222926-CALB	16OCT22.D	10/16/22 13:35
2J16021	8260 B/524.2 V5 2219286-CALC	2222926-CALC	16OCT23.D	10/16/22 13:59
2I28012	8260 /524.2 V5 BFB 50NG	2222926-TUN2	14NOV01.D	11/14/22 08:20
2K14005	8260 B/524.2 V5 2221072-CAL1	2222926-CAL1	14NOV03.D	11/14/22 09:09
2K14006	8260 B/524.2 V5 2221072-CAL2	2222926-CAL2	14NOV04.D	11/14/22 09:33
2K14007	8260 B/524.2 V5 2221072-CAL3	2222926-CAL3	14NOV05.D	11/14/22 09:57
2K14008	8260 B/524.2 V5 2221072-CAL4	2222926-CAL4	14NOV06.D	11/14/22 10:21
2K14009	8260 B/524.2 V5 2221072-CAL5	2222926-CAL5	14NOV07.D	11/14/22 10:45
2K14010	8260 B/524.2 V5 2221072-CAL6	2222926-CAL6	14NOV08.D	11/14/22 11:09

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Project: Former USDB Lompoc
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Project Manager: Connor Dunn

INITIAL CALIBRATION DATA
EPA-8260C

Laboratory: Pace Analytical - Bakersfield
Client: Ahtna-Pleasant Hill
Calibration: 2212016
Matrix: Water
SDG: 2229425
Project: Former USDB Lompoc
Instrument: MS-V5
Calibration Date: 10/16/22 12:00

Compound	Level 01		Level 02		Level 03		Level 04		Level 05		Level 06	
	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF
Benzene	0.5	14.98976	1	15.00156	5	13.40131	10	13.67185	25	12.39018	50	11.25757
Bromodichloromethane	0.5	1.532083	1	1.486748	5	1.444286	10	1.563181	25	1.525506	50	1.54384
Bromoform	0.5	0.164303	1	0.1759656	5	0.1986104	10	0.2341774	25	0.2562399	50	0.2804469
Chloroform	0.5	5.669831	1	5.744261	5	5.220405	10	5.579112	25	5.230495	50	5.191389
Chloromethane	0.5	5.408524	1	5.151942	5	4.568248	10	4.79555	25	4.542391	50	4.448094
Dibromochloromethane	0.5	0.6673608	1	0.6574102	5	0.6848481	10	0.7824437	25	0.8002981	50	0.8537188
1,1-Dichloroethene	0.5	5.783733	1	5.90246	5	5.592507	10	5.648969	25	5.504805	50	5.353865
cis-1,2-Dichloroethene	0.5	4.00335	1	3.769408	5	3.635758	10	3.725571	25	3.544113	50	3.534693
trans-1,2-Dichloroethene	0.5	3.949004	1	3.687669	5	3.398276	10	3.647668	25	3.452846	50	3.534481
Methyl t-butyl ether	0.5	4.814815	1	4.66698	5	4.424251	10	4.677212	25	4.447035	50	4.497132
Tetrachloroethene	0.5	1.760014	1	1.714867	5	1.53816	10	1.600398	25	1.483327	50	1.494176
Toluene	0.5	4.356473	1	4.290235	5	3.779445	10	4.025557	25	3.641916	50	3.462926
1,1,1-Trichloroethane	0.5	5.1059	1	5.387383	5	4.951602	10	5.263578	25	5.081575	50	5.093305
Trichloroethene	0.5	1.889359	1	1.768564	5	1.68209	10	1.697741	25	1.637669	50	1.633907
Vinyl chloride	0.5	3.903964	1	4.12081	5	3.694051	10	4.02867	25	3.921507	50	3.796067
Total Xylenes	1.5	2.475895	3	2.384028	15	2.324984	30	2.282949	75	2.113305	150	1.91881
Acetone												
Methyl ethyl ketone												
1,2-Dichloroethane-d4 (Surrogate)	10	1.862312	10	1.977766	10	2.011371	10	2.060043	10	2.022112	10	2.01484
Toluene-d8 (Surrogate)	10	5.231876	10	5.207713	10	5.155208	10	5.32962	10	5.270163	10	5.308009
4-Bromofluorobenzene (Surrogate)	10	1.258876	10	1.244729	10	1.288045	10	1.264143	10	1.297055	10	1.324109

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Project: Former USDB Lompoc
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Project Manager: Connor Dunn

INITIAL CALIBRATION DATA (Continued)

EPA-8260C

Laboratory: Pace Analytical - Bakersfield
Client: Ahtna-Pleasant Hill
Calibration: 2212016
Matrix: Water
SDG: 2229425
Project: Former USDB Lompoc
Instrument: MS-V5
Calibration Date: 10/16/22 12:00

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	0.2552489	64	0.2299782	160	0.2223943	320	0.2148799	480	0.2194963	800	0.2082379
Methyl ethyl ketone	8	0.5015107	32	0.4379077	80	0.4075335	160	0.3943717	240	0.395643	400	0.3796288
1,2-Dichloroethane-d4 (Surrogate)												
Toluene-d8 (Surrogate)												
4-Bromofluorobenzene (Surrogate)												

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2255 Contra Costa Blvd. Suite 312
Pleasant Hill, CA 94523

Reported: 2/20/2023 2:17:32PM
Project: Former USDB Lompoc
Project Number: 21044.006.01.000
Project Manager: Connor Dunn

INITIAL CALIBRATION DATA (Continued)

EPA-8260C

Laboratory: Pace Analytical - Bakersfield
Client: Ahtna-Pleasant Hill
Calibration: 2212016
Matrix: Water
SDG: 2229425
Project: Former USDB Lompoc
Instrument: MS-V5
Calibration Date: 10/16/22 12:00

Compound	Mean RF	RF RSD	Mean RT	RT RSD	Linear COD	Quad COD	LIMIT	Q
Benzene	13.45204	10.90506	7.838333	5.286989E-02			15	
Bromodichloromethane	1.515941	2.852438	8.821666	4.790242E-02			15	
Bromoform	0.2182905	21.14176	10.84	1.844793E-02		1.000	0.99	
Chloroform	5.439249	4.641367	7.32	1.664754E-02			15	
Chloromethane	4.819125	7.960793	2.566667	0.2020673			15	
Dibromochloromethane	0.7410133	11.04656	9.938333	3.696516E-02			15	
1,1-Dichloroethene	5.631057	3.475881	4.493333	0.1135013			15	
cis-1,2-Dichloroethene	3.702149	4.728456	6.953333	7.498769E-02			15	
trans-1,2-Dichloroethene	3.611657	5.50411	5.571667	7.385021E-02			15	
Methyl t-butyl ether	4.587904	3.384905	5.553333	9.212691E-02			15	
Tetrachloroethene	1.59849	7.264437	9.748333	4.094374E-02			15	
Toluene	3.926092	9.144656	9.388334	4.094368E-02			15	
1,1,1-Trichloroethane	5.147224	2.989732	7.488333	5.658566E-02			15	
Trichloroethene	1.718222	5.651375	8.41	1.554992E-02			15	
Vinyl chloride	3.910845	3.933162	2.73	1.660662E-02			15	
Total Xylenes	2.249995	8.978956	10.69167	4.029128E-02			15	
Acetone	0.2250393	7.32932	4.551667	8.883044E-02			15	
Methyl ethyl ketone	0.4194326	10.66131	6.931667	0.0605248			15	
1,2-Dichloroethane-d4 (Surrogate)	1.991407	3.439172	7.81	1.741462E-02			15	
Toluene-d8 (Surrogate)	5.250432	1.24051	9.34	8.144179E-03			15	
4-Bromofluorobenzene (Surrogate)	1.279493	2.276286	11.02	0.0180299			15	

Ahtna-Pleasant Hill
2255 Contra Costa Blvd. Suite 312
Pleasant Hill, CA 94523

Reported: 2/20/2023 2:17:32PM
Project: Former USDB Lompoc
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Project Manager: Connor Dunn

HOLDING TIME SUMMARY

EPA-8260C

Laboratory: Pace Analytical - Bakersfield
SDG: 2229425
Client: Ahtna-Pleasant Hill
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
MW01-1122-N	11/29/22 07:55	12/01/22 10:28	12/13/22 07:00	14.00	14.00	12/13/22 10:33	14.00	14.00	
MW01B-1122-N	11/29/22 08:10	12/01/22 10:28	12/13/22 07:00	14.00	14.00	12/13/22 07:45	14.00	14.00	
MW09A-1122-N	11/29/22 08:35	12/01/22 10:28	12/13/22 07:00	14.00	14.00	12/13/22 10:56	14.00	14.00	
MW05A-1122-N	11/29/22 08:55	12/01/22 10:28	12/13/22 07:00	14.00	14.00	12/13/22 11:20	14.00	14.00	
MW12A-1122-N	11/29/22 09:15	12/01/22 10:28	12/13/22 07:00	14.00	14.00	12/13/22 11:44	14.00	14.00	
MW12A-1122-T	11/29/22 09:30	12/01/22 10:28	12/13/22 07:00	14.00	14.00	12/13/22 12:08	14.00	14.00	
MW11A-1122-N	11/29/22 09:35	12/01/22 10:28	12/13/22 07:00	14.00	14.00	12/13/22 12:32	14.00	14.00	
MW10A-1122-N	11/29/22 09:55	12/01/22 10:28	12/13/22 07:00	14.00	14.00	12/13/22 12:56	14.00	14.00	
MW04A-1122-N	11/29/22 10:10	12/01/22 10:28	12/13/22 07:00	14.00	14.00	12/13/22 13:20	14.00	14.00	
MW04A-1122-FB	11/29/22 10:05	12/01/22 10:28	12/13/22 07:00	14.00	14.00	12/13/22 13:44	14.00	14.00	
MW08A-1122-N	11/29/22 10:25	12/01/22 10:28	12/13/22 07:00	14.00	14.00	12/13/22 14:08	14.00	14.00	
MW08A-1122-D	11/29/22 10:25	12/01/22 10:28	12/13/22 07:00	14.00	14.00	12/13/22 14:32	14.00	14.00	
MW02-1122-N	11/29/22 10:50	12/01/22 10:28	12/13/22 07:00	14.00	14.00	12/13/22 14:56	14.00	14.00	
Travel Blank	11/29/22 00:00	12/01/22 10:28	12/13/22 07:00	14.00	14.00	12/13/22 15:20	14.00	14.00	

* Holding time not met

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

Raw Data From Instrument MS-V5

Raw Data - Samples

Quantitation Report (QT Reviewed)

Data File : D:\DATA\DEC2022C\DEC13\13DEC13.D Vial: 13
Acq On : 13 Dec 2022 10:33 am Operator: mgc
Sample : 2229425-01 Inst : MS-V5
Misc : 1 ;25ML;pH=2 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Dec 14 12:35 2022 Quant Results File: 82605C.RES

Quant Method : C:\HPCHEM\1...\82605C.M (RTE Integrator)
Title : EPA Method 8260C/D
Last Update : Thu Nov 17 08:03:26 2022
Response via : Initial Calibration
DataAcq Meth : 82605

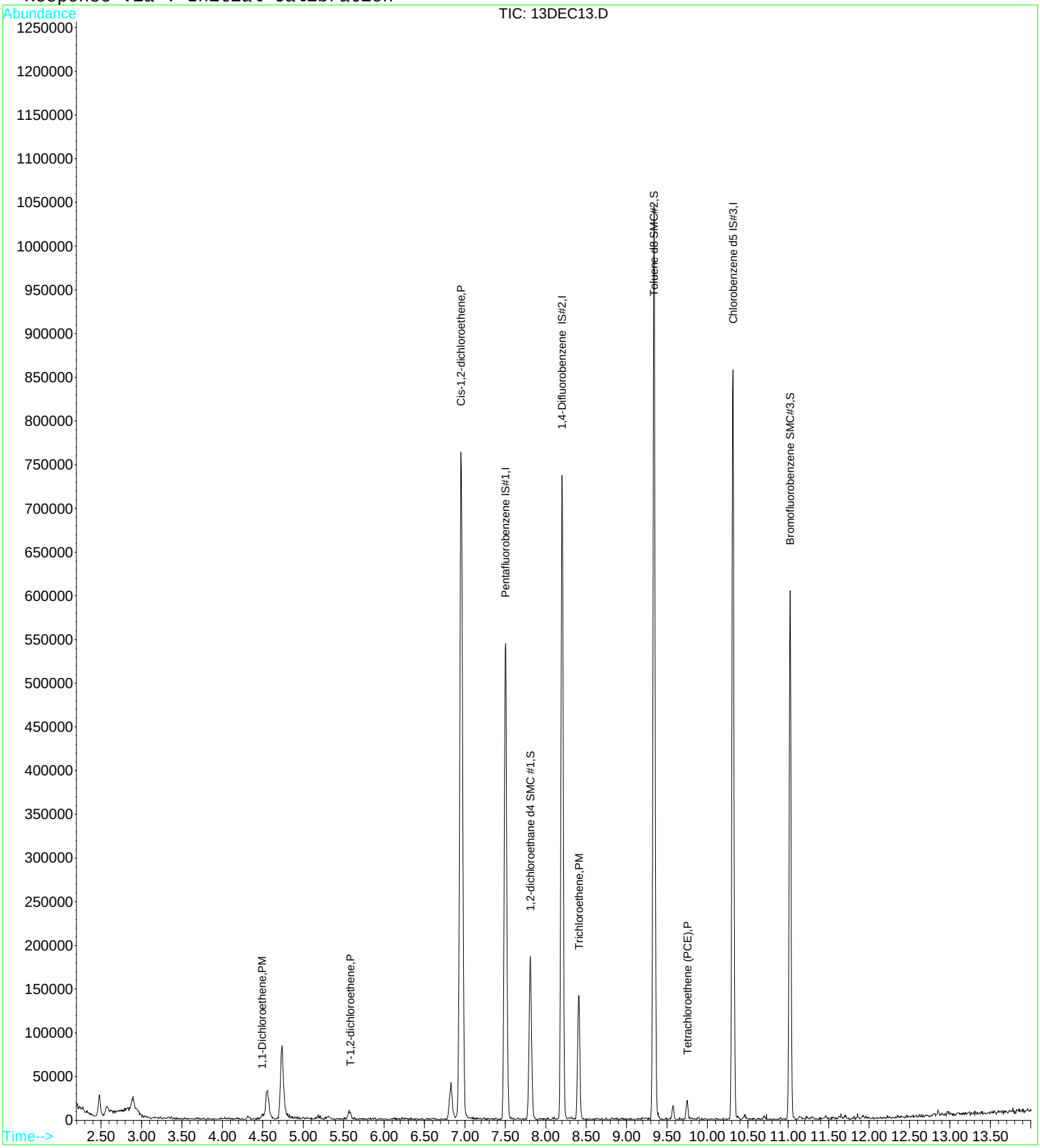
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene IS#1	7.50	137	67647	10.00	ug/L	0.00
26) 1,4-Difluorobenzene IS#2	8.20	63	133489	10.00	ug/L	0.00
41) Chlorobenzene d5 IS#3	10.32	119	169879	10.00	ug/L	0.00
System Monitoring Compounds						
23) 1,2-dichloroethane d4 SMC	7.81	65	146654	10.89	ug/L	0.00
Spiked Amount 10.000	Range 75 - 125		Recovery = 108.90%			
33) Toluene d8 SMC#2	9.34	98	710985	10.14	ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 101.40%			
51) Bromofluorobenzene SMC#3	11.02	95	213952	9.84	ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 98.40%			
Target Compounds						Qvalue
11) 1,1-Dichloroethene	4.49	61	5628	0.15	ug/L #	87
14) T-1,2-dichloroethene	5.58	96	5369	0.22	ug/L	87
17) Cis-1,2-dichloroethene	6.95	96	441153	17.62	ug/L	91
27) Trichloroethene	8.41	130	52157	2.27	ug/L	99
37) Tetrachloroethene (PCE)	9.75	166	6875	0.32	ug/L	94

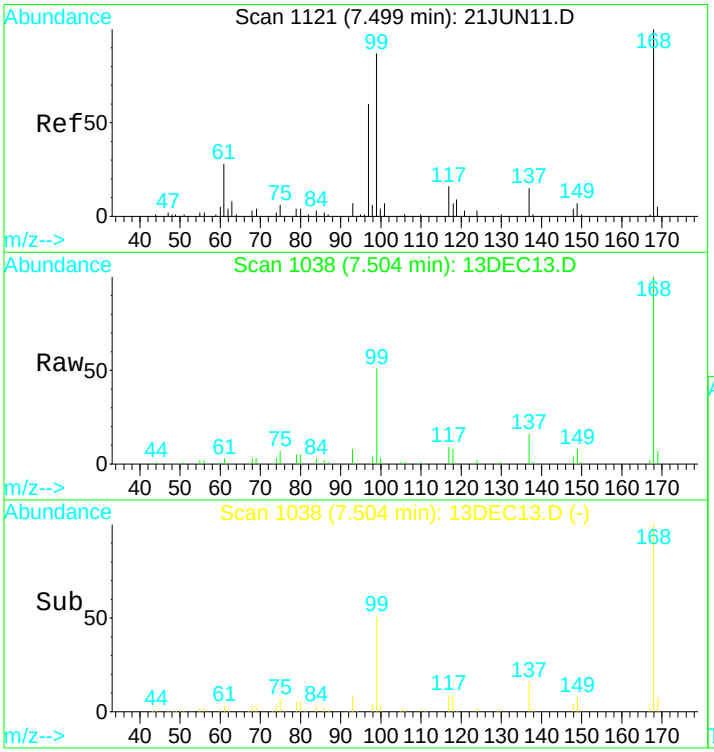
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : D:\DATA\DEC2022C\DEC13\13DEC13.D Vial: 13
Acq On : 13 Dec 2022 10:33 am Operator: mgc
Sample : 2229425-01 Inst : MS-V5
Misc : 1 ;25ML;pH=2 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Dec 14 12:35 2022 Quant Results File: 82605C.RES

Method : C:\HPCHEM\1\METHODS\C\202211\14-1045\82605C.M (RTE Integrator)
Title : EPA Method 8260C/D
Last Update : Thu Nov 17 08:03:26 2022
Response via : Initial Calibration

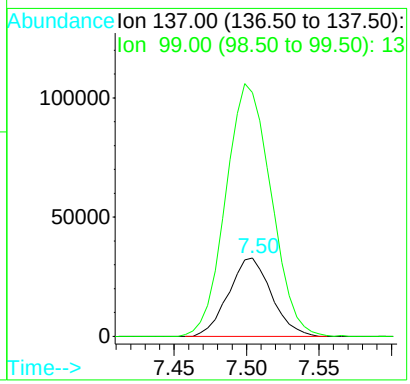


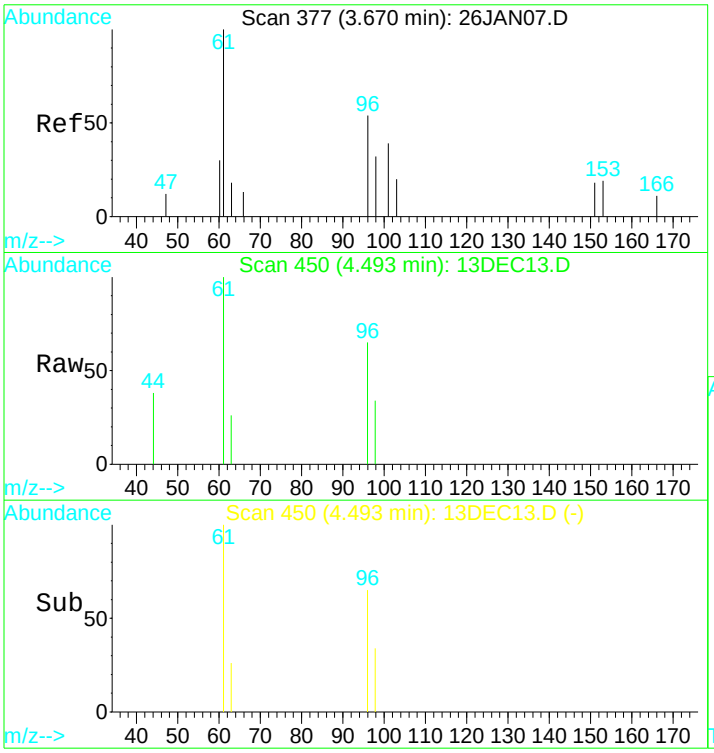


#1
Pentafluorobenzene IS#1
Concen: 10.00 ug/L
RT: 7.50 min Scan# 1038
Delta R.T. 0.00 min
Lab File: 13DEC13.D
Acq: 13 Dec 2022 10:33 am

Tgt Ion:137 Resp: 67647

Ion	Ratio	Lower	Upper
137	100		
99	341.5	1402.2	2604.0#

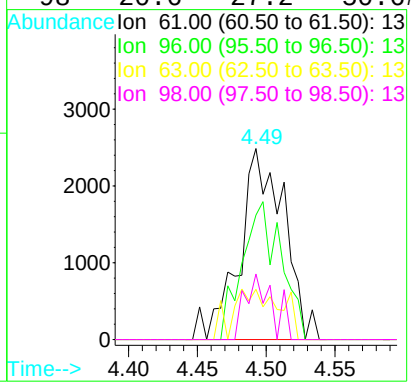


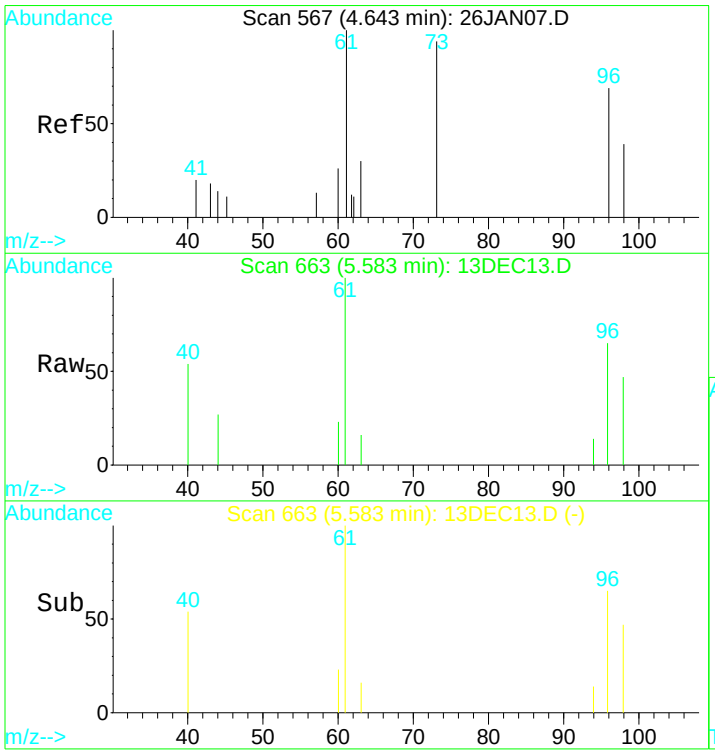


#11
1,1-Dichloroethene
Concen: 0.15 ug/L
RT: 4.49 min Scan# 450
Delta R.T. -0.01 min
Lab File: 13DEC13.D
Acq: 13 Dec 2022 10:33 am

Tgt Ion: 61 Resp: 5628

Ion	Ratio	Lower	Upper
61	100		
96	62.5	41.7	77.5
63	28.0	23.7	43.9
98	20.6	27.2	50.6#

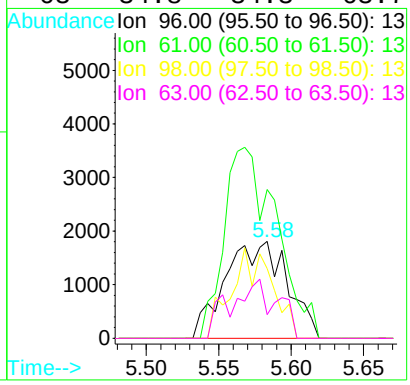


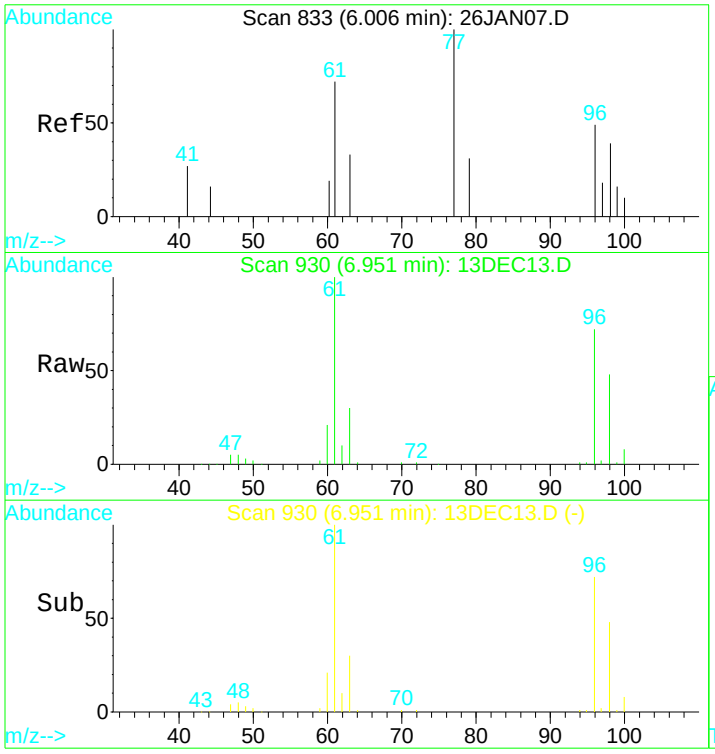


#14
T-1,2-dichloroethene
Concen: 0.22 ug/L
RT: 5.58 min Scan# 663
Delta R.T. 0.01 min
Lab File: 13DEC13.D
Acq: 13 Dec 2022 10:33 am

Tgt Ion: 96 Resp: 5369

Ion	Ratio	Lower	Upper
96	100		
61	166.5	103.9	192.9
98	61.1	45.3	84.1
63	34.8	34.3	63.7

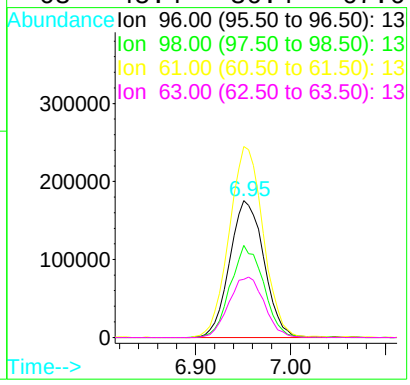


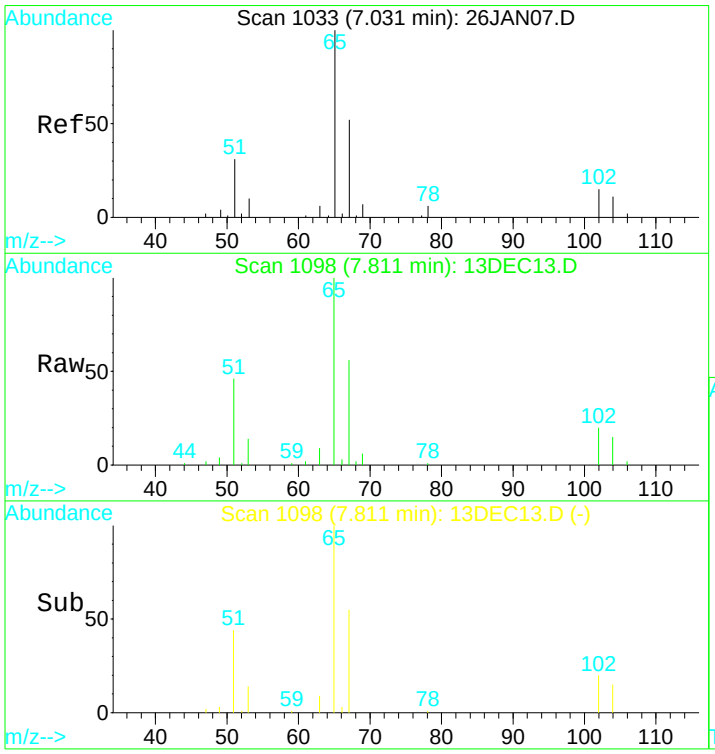


#17
Cis-1,2-dichloroethene
Concen: 17.62 ug/L
RT: 6.95 min Scan# 930
Delta R.T. -0.01 min
Lab File: 13DEC13.D
Acq: 13 Dec 2022 10:33 am

Tgt Ion: 96 Resp: 441153

Ion	Ratio	Lower	Upper
96	100		
98	64.9	45.8	85.2
61	138.4	108.0	200.6
63	45.4	36.4	67.6

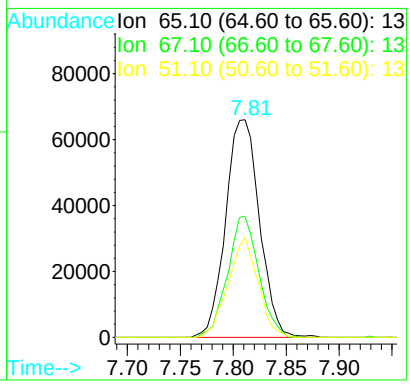


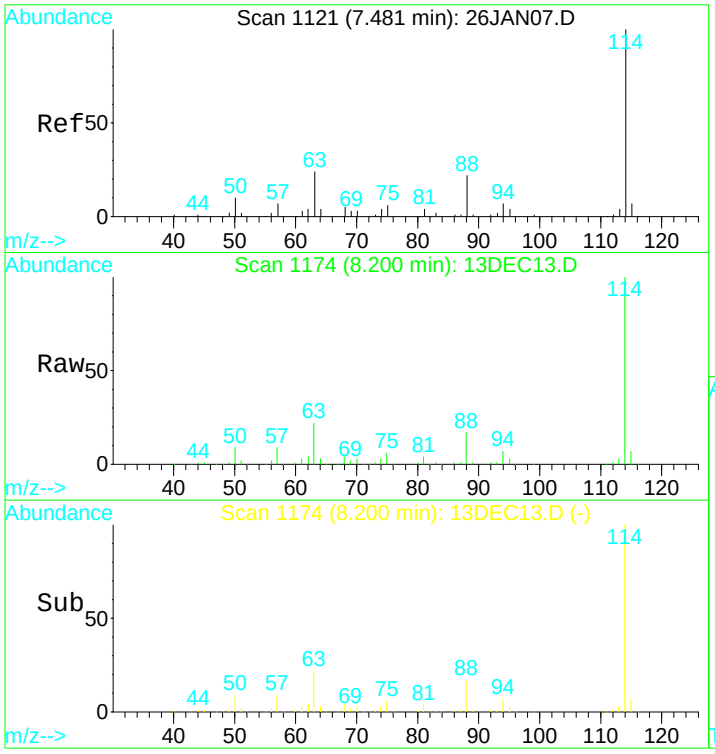


#23
1,2-dichloroethane d4 SMC #1
Concen: N.D. ug/L
RT: 7.81 min Scan# 1098
Delta R.T. -0.00 min
Lab File: 13DEC13.D
Acq: 13 Dec 2022 10:33 am

Tgt Ion: 65 Resp: 146654

Ion	Ratio	Lower	Upper
65	100		
67	51.3	37.7	70.1
51	40.7	511.6	950.2#

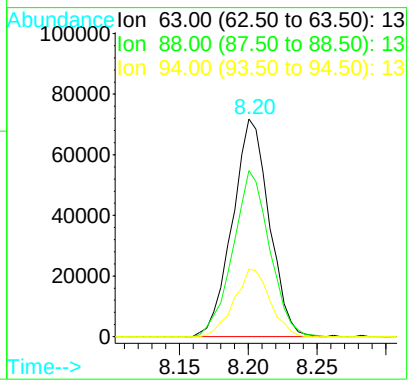


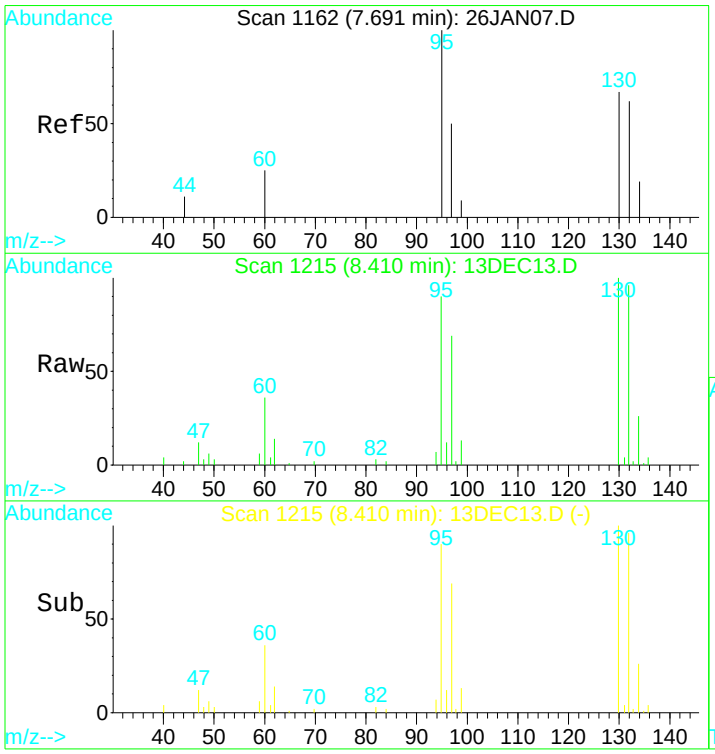


#26
1,4-Difluorobenzene IS#2
Concen: 10.00 ug/L
RT: 8.20 min Scan# 1174
Delta R.T. -0.00 min
Lab File: 13DEC13.D
Acq: 13 Dec 2022 10:33 am

Tgt Ion: 63 Resp: 133489

Ion	Ratio	Lower	Upper
63	100		
88	76.1	52.1	96.7
94	30.1	19.7	36.7

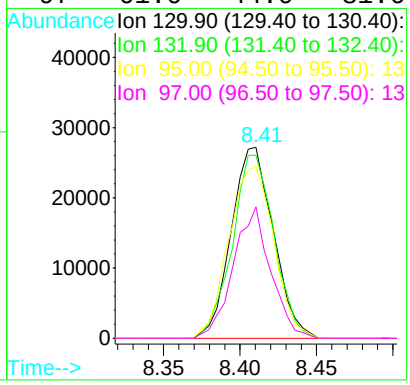


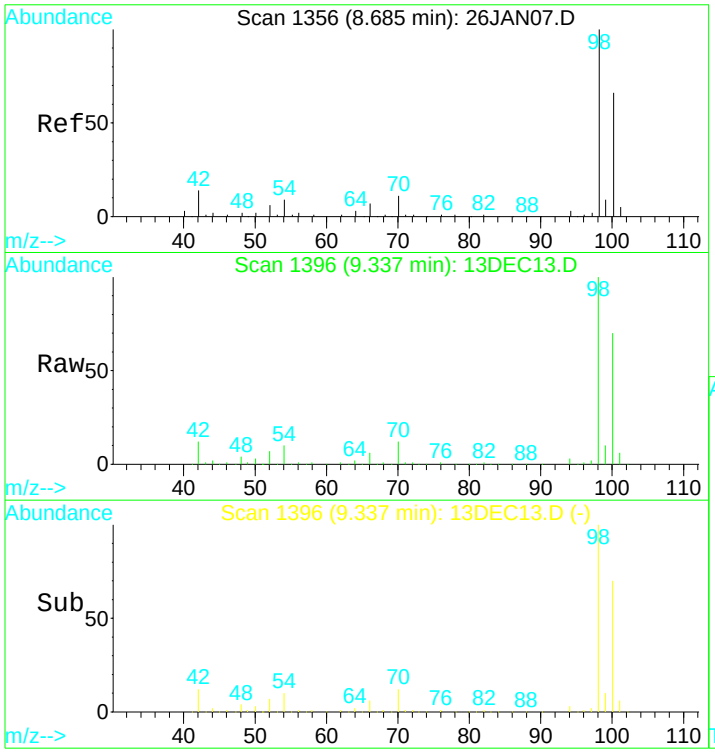


#27
Trichloroethene
Concen: 2.27 ug/L
RT: 8.41 min Scan# 1215
Delta R.T. -0.00 min
Lab File: 13DEC13.D
Acq: 13 Dec 2022 10:33 am

Tgt Ion:130 Resp: 52157

Ion	Ratio	Lower	Upper
130	100		
132	95.2	67.3	124.9
95	95.6	67.0	124.4
97	61.0	44.0	81.6

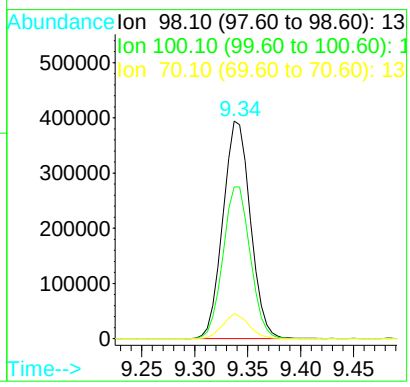


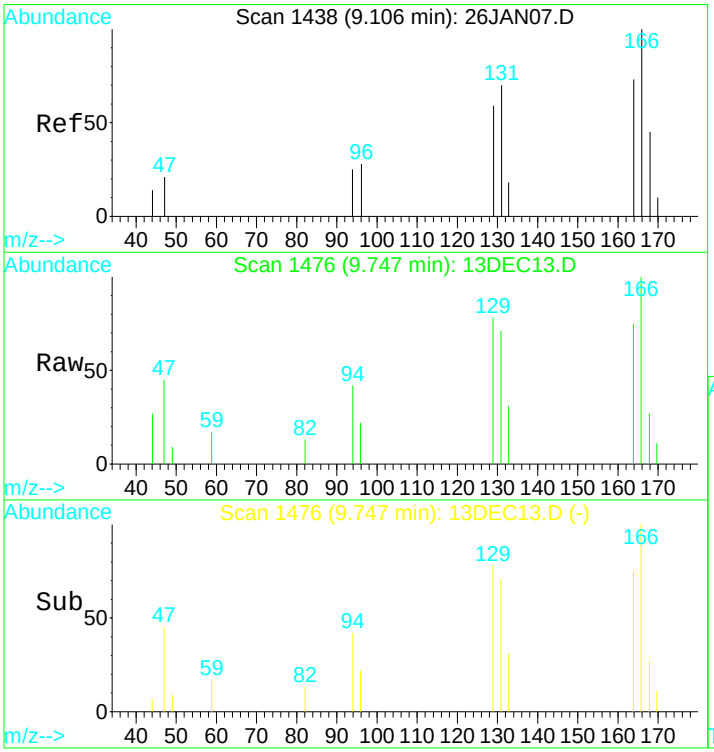


#33
Toluene d8 SMC#2
Concen: Below ug/L
RT: 9.34 min Scan# 1396
Delta R.T. -0.01 min
Lab File: 13DEC13.D
Acq: 13 Dec 2022 10:33 am

Tgt Ion: 98 Resp: 710985

Ion	Ratio	Lower	Upper
98	100		
100	69.1	47.4	88.0
70	10.9	7.7	14.3

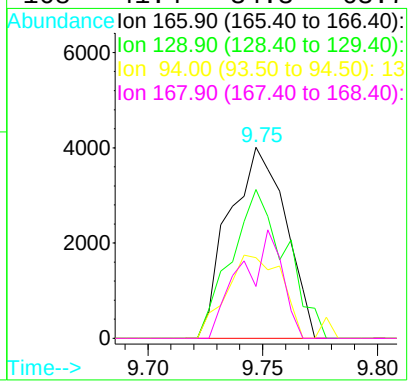


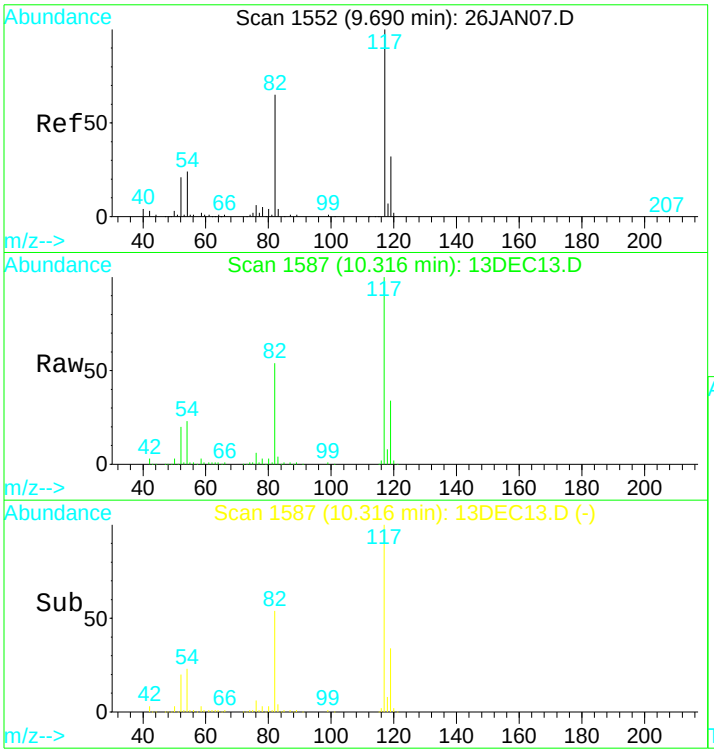


#37
Tetrachloroethene (PCE)
Concen: 0.32 ug/L
RT: 9.75 min Scan# 1476
Delta R.T. -0.00 min
Lab File: 13DEC13.D
Acq: 13 Dec 2022 10:33 am

Tgt Ion:166 Resp: 6875

Ion	Ratio	Lower	Upper
166	100		
129	72.2	53.5	99.5
94	42.7	30.2	56.2
168	41.4	34.3	63.7

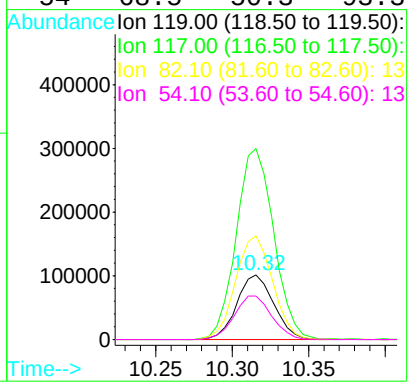


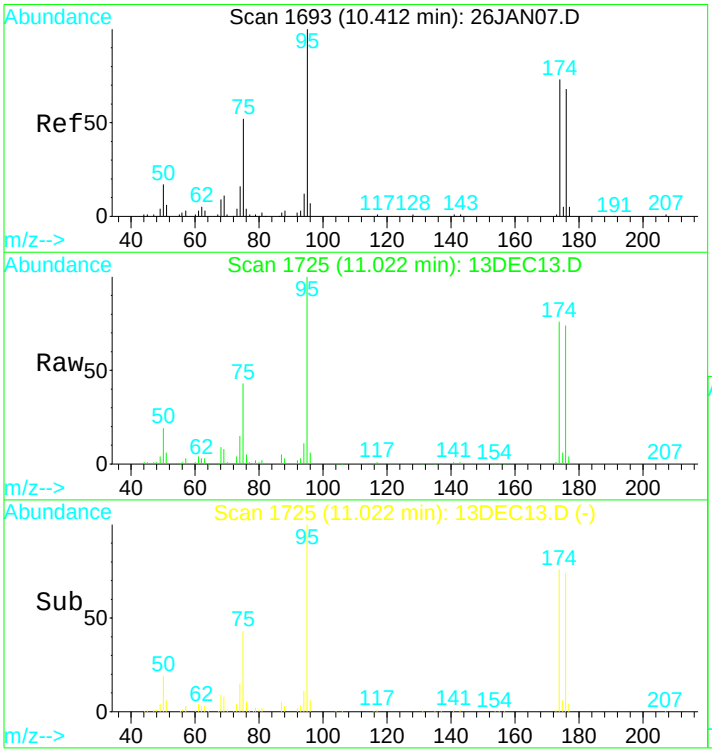


#41
Chlorobenzene d5 IS#3
Concen: 10.00 ug/L
RT: 10.32 min Scan# 1587
Delta R.T. -0.00 min
Lab File: 13DEC13.D
Acq: 13 Dec 2022 10:33 am

Tgt Ion:119 Resp: 169879

Ion	Ratio	Lower	Upper
119	100		
117	301.8	210.3	390.6
82	161.0	119.1	221.3
54	68.5	50.3	93.3

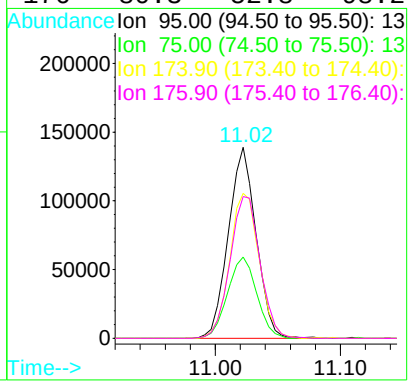




#51
Bromofluorobenzene SMC#3
Concen: N.D. ug/L
RT: 11.02 min Scan# 1725
Delta R.T. -0.00 min
Lab File: 13DEC13.D
Acq: 13 Dec 2022 10:33 am

Tgt Ion: 95 Resp: 213952

Ion	Ratio	Lower	Upper
95	100		
75	44.6	31.7	58.9
174	80.5	54.2	100.6
176	80.3	52.8	98.2



Quantitation Report (QT Reviewed)

Data File : D:\DATA\DEC2022C\DEC13\13DEC13.D Vial: 13
Acq On : 13 Dec 2022 10:33 am Operator: mgc
Sample : 2229425-01 Inst : MS-V5
Misc : 1 ;25ML;pH=2 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Dec 14 12:46 2022 Quant Results File: 82605CX.RES

Quant Method : C:\HPCHEM\1...\82605CX.M (RTE Integrator)
Title : EPA Method 8260C/DX
Last Update : Thu Dec 01 09:35:24 2022
Response via : Initial Calibration
DataAcq Meth : 82605

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene IS#1	7.50	137	67647	10.00	ug/L	0.00
29) 1,4-Difluorobenzene IS#2	8.20	63	133489	10.00	ug/L	0.00
36) Chlorobenzene d5 IS#3	10.32	119	169879	10.00	ug/L	0.00

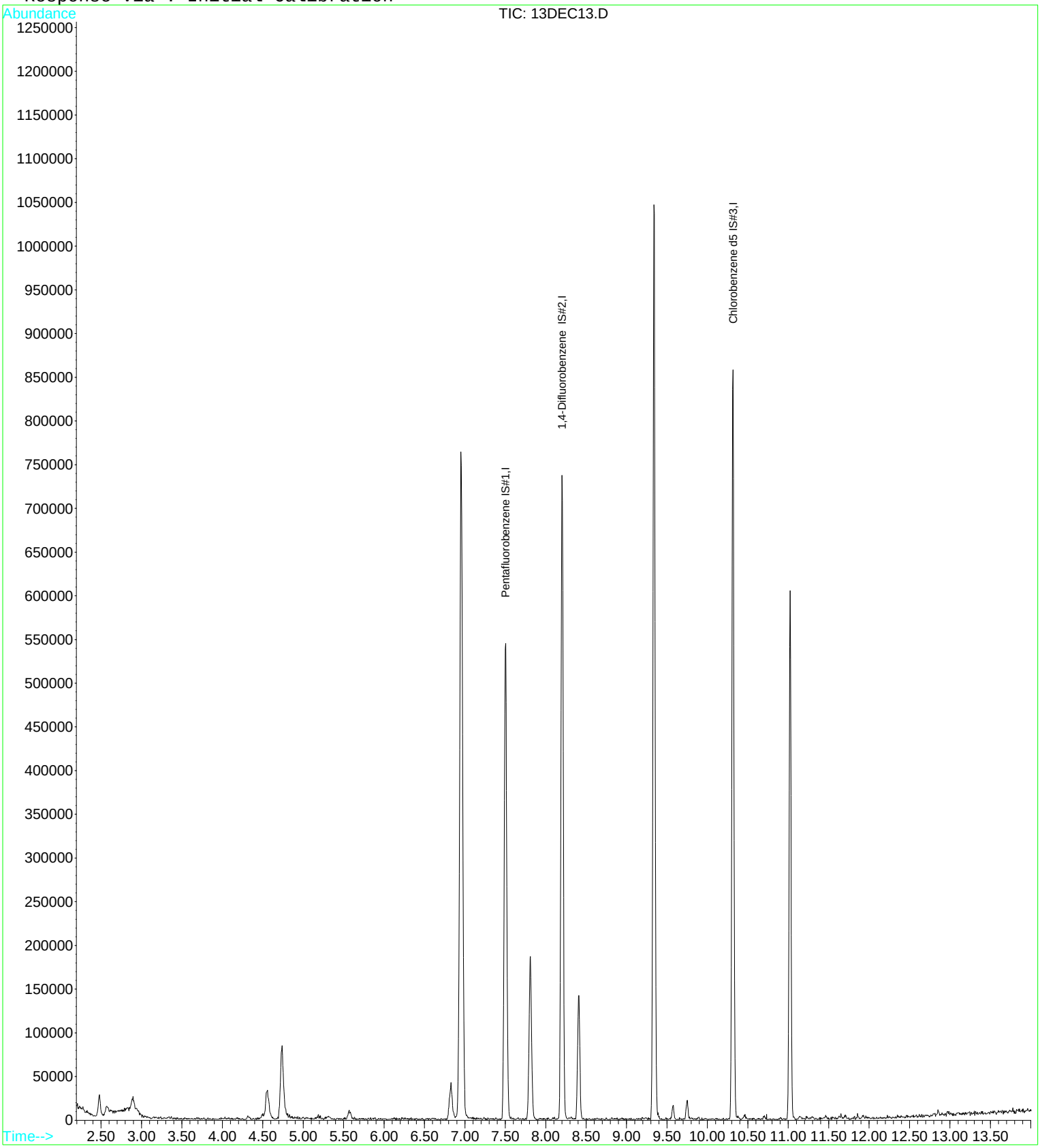
Target Compounds Qvalue

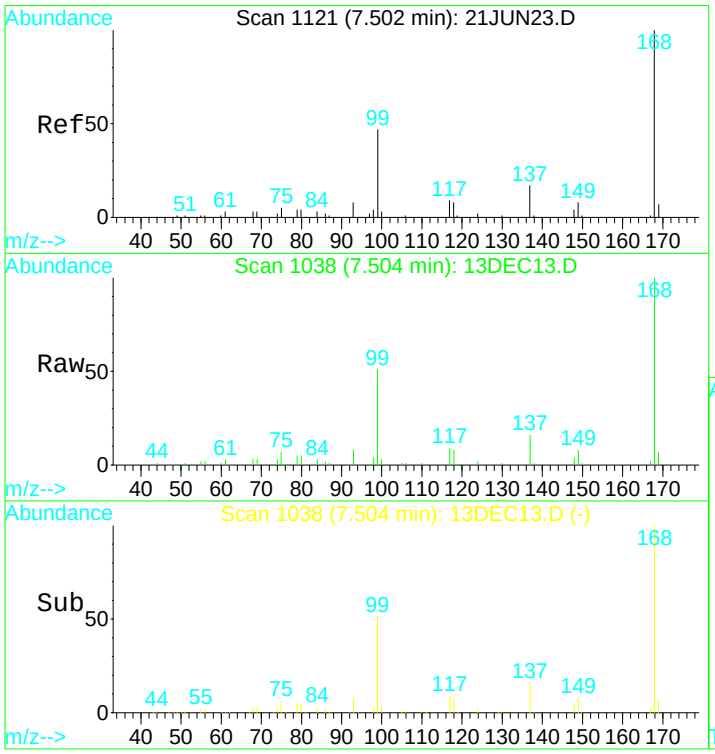
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : D:\DATA\DEC2022C\DEC13\13DEC13.D Vial: 13
Acq On : 13 Dec 2022 10:33 am Operator: mgc
Sample : 2229425-01 Inst : MS-V5
Misc : 1 ;25ML;pH=2 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Dec 14 12:46 2022 Quant Results File: 82605CX.RES

Method : C:\HPCHEM\1\METHODS\C\202210\16-1301\82605CX.M (RTE Integrator)
Title : EPA Method 8260C/DX
Last Update : Thu Dec 01 09:35:24 2022
Response via : Initial Calibration

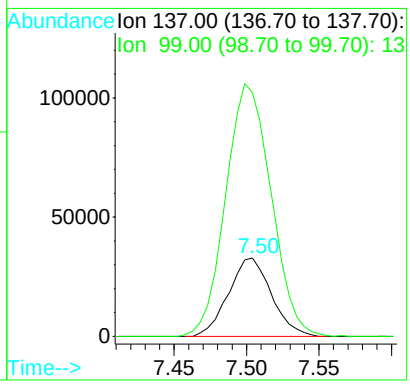


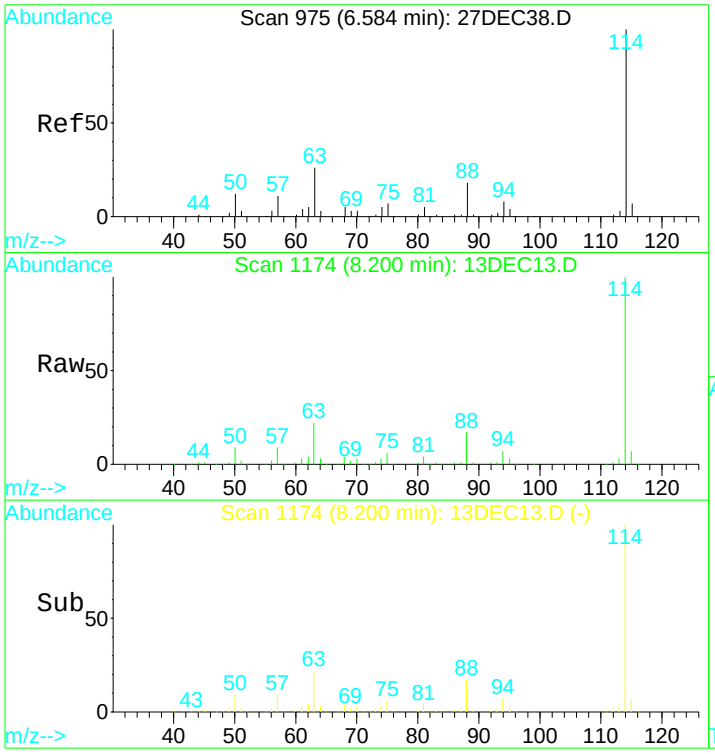


#1
Pentafluorobenzene IS#1
Concen: 10.00 ug/L
RT: 7.50 min Scan# 1038
Delta R.T. 0.00 min
Lab File: 13DEC13.D
Acq: 13 Dec 2022 10:33 am

Tgt Ion:137 Resp: 67647

Ion	Ratio	Lower	Upper
137	100		
99	341.5	241.0	447.6

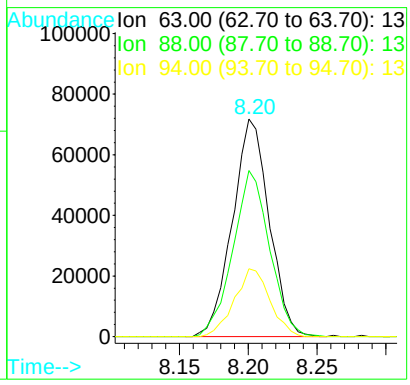


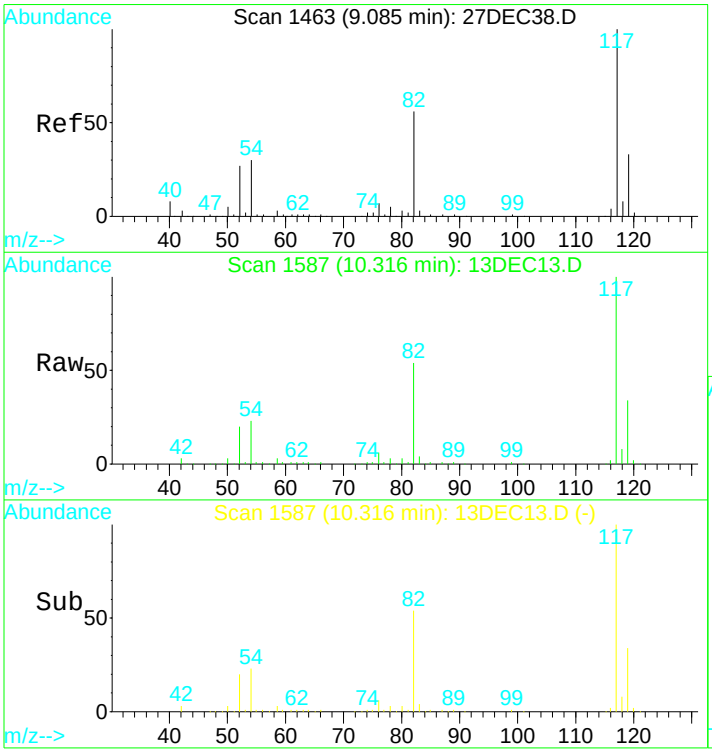


#29
1,4-Difluorobenzene IS#2
Concen: 10.00 ug/L
RT: 8.20 min Scan# 1174
Delta R.T. -0.00 min
Lab File: 13DEC13.D
Acq: 13 Dec 2022 10:33 am

Tgt Ion: 63 Resp: 133489

Ion	Ratio	Lower	Upper
63	100		
88	76.1	54.9	102.1
94	30.1	21.0	39.0

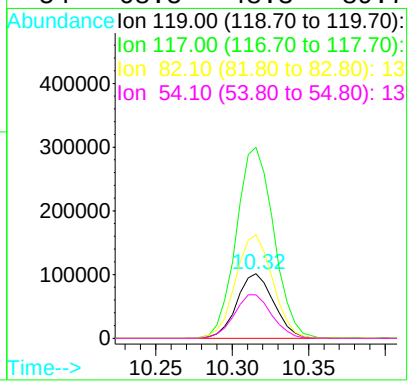




#36
Chlorobenzene d5 IS#3
Concen: 10.00 ug/L
RT: 10.32 min Scan# 1587
Delta R.T. 0.00 min
Lab File: 13DEC13.D
Acq: 13 Dec 2022 10:33 am

Tgt Ion:119 Resp: 169879

Ion	Ratio	Lower	Upper
119	100		
117	301.8	215.7	400.5
82	161.0	118.3	219.7
54	68.5	48.3	89.7



Quantitation Report (QT Reviewed)

Data File : D:\DATA\DEC2022C\DEC13\13DEC06.D Vial: 6
Acq On : 13 Dec 2022 7:45 am Operator: mgc
Sample : 2229425-02 Inst : MS-V5
Misc : 1 Unspiked;25ML;pH=2 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Dec 14 12:21 2022 Quant Results File: 82605C.RES

Quant Method : C:\HPCHEM\1...\82605C.M (RTE Integrator)
Title : EPA Method 8260C/D
Last Update : Thu Nov 17 08:03:26 2022
Response via : Initial Calibration
DataAcq Meth : 82605

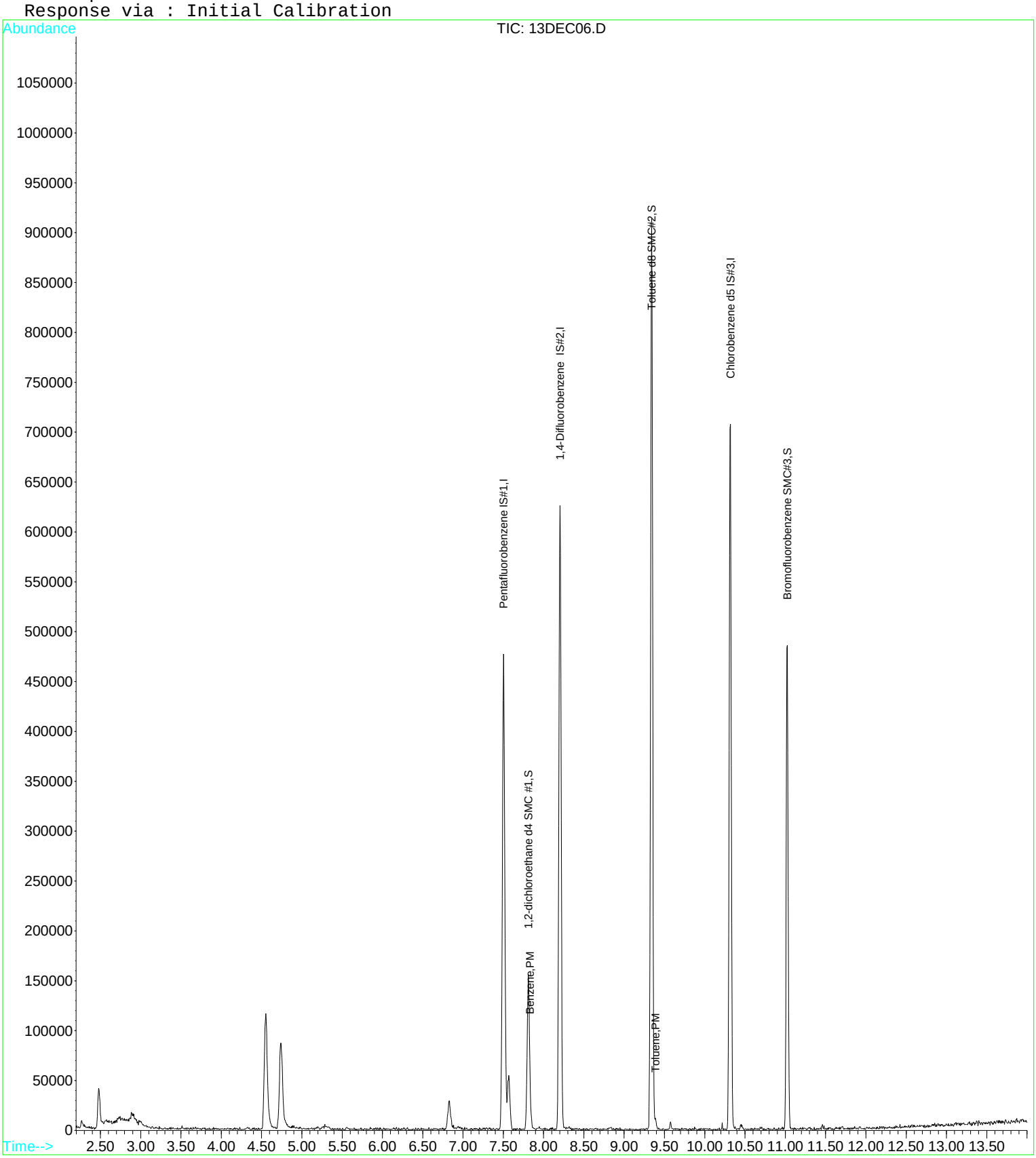
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene IS#1	7.50	137	60599	10.00	ug/L	0.00
26) 1,4-Difluorobenzene IS#2	8.20	63	111971	10.00	ug/L	0.00
41) Chlorobenzene d5 IS#3	10.32	119	135498	10.00	ug/L	0.00
System Monitoring Compounds						
23) 1,2-dichloroethane d4 SMC	7.81	65	125516	10.40	ug/L	0.00
Spiked Amount 10.000	Range 75 - 125		Recovery = 104.00%			
33) Toluene d8 SMC#2	9.34	98	592314	10.08	ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 100.80%			
51) Bromofluorobenzene SMC#3	11.02	95	170483	9.83	ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 98.30%			
Target Compounds						Qvalue
25) Benzene	7.84	78	6334	0.08	ug/L	# 1
34) Toluene	9.39	92	4377	0.10	ug/L	# 84

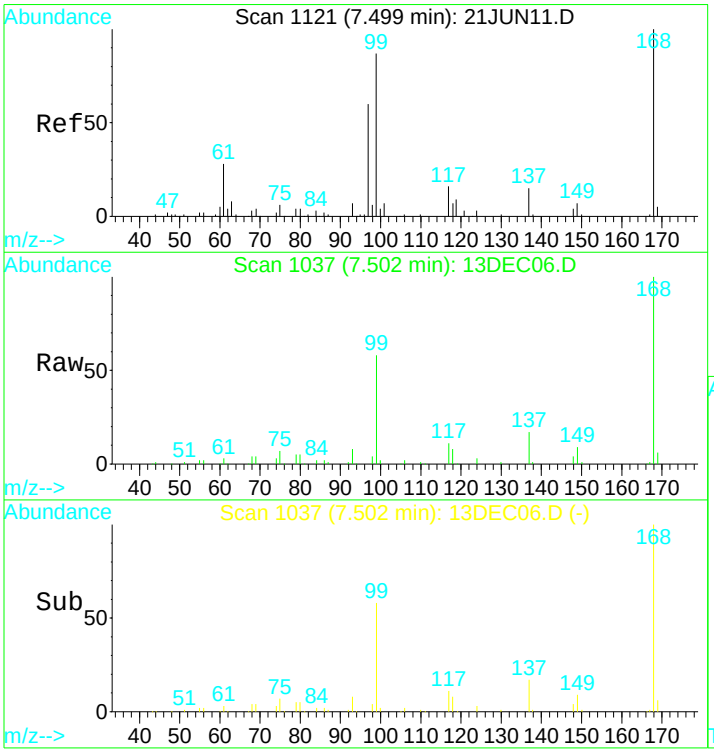
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : D:\DATA\DEC2022C\DEC13\13DEC06.D Vial: 6
Acq On : 13 Dec 2022 7:45 am Operator: mgc
Sample : 2229425-02 Inst : MS-V5
Misc : 1 Unspiked;25ML;pH=2 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Dec 14 12:21 2022 Quant Results File: 82605C.RES

Method : C:\HPCHEM\1\METHODS\C\202211\14-1045\82605C.M (RTE Integrator)
Title : EPA Method 8260C/D
Last Update : Thu Nov 17 08:03:26 2022
Response via : Initial Calibration

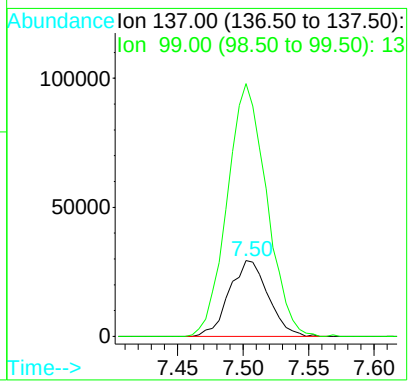


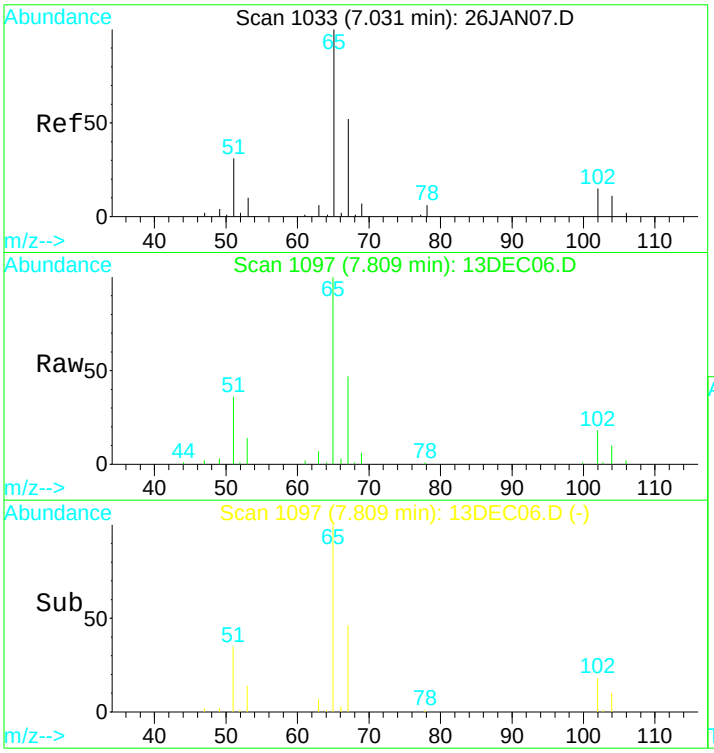


#1
Pentafluorobenzene IS#1
Concen: 10.00 ug/L
RT: 7.50 min Scan# 1037
Delta R.T. 0.00 min
Lab File: 13DEC06.D
Acq: 13 Dec 2022 7:45 am

Tgt Ion:137 Resp: 60599

Ion	Ratio	Lower	Upper
137	100		
99	338.3	1402.2	2604.0#

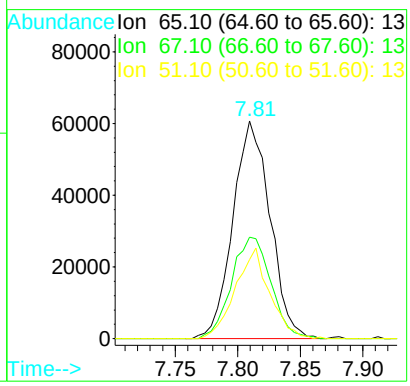


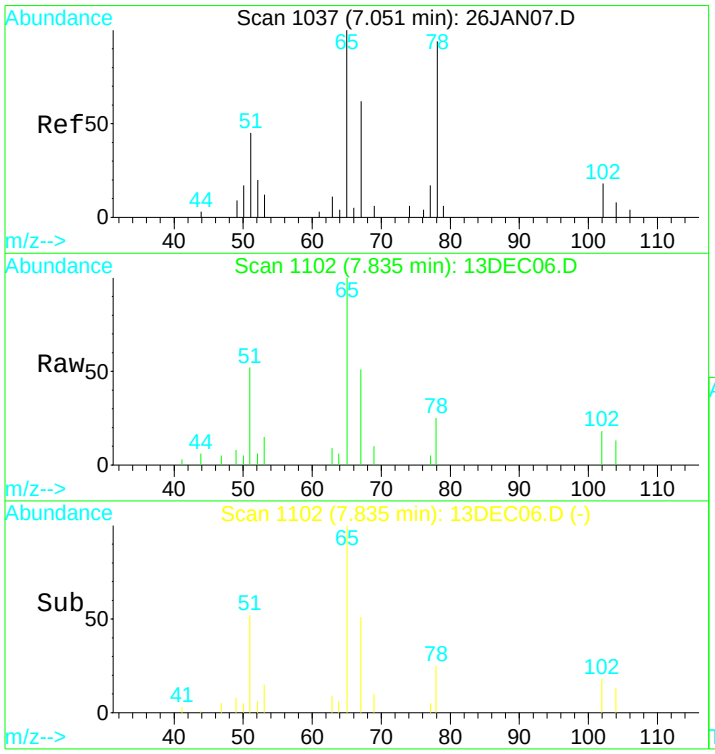


#23
1,2-dichloroethane d4 SMC #1
Concen: N.D. ug/L
RT: 7.81 min Scan# 1097
Delta R.T. -0.00 min
Lab File: 13DEC06.D
Acq: 13 Dec 2022 7:45 am

Tgt Ion: 65 Resp: 125516

Ion	Ratio	Lower	Upper
65	100		
67	49.4	37.7	70.1
51	38.5	511.6	950.2#

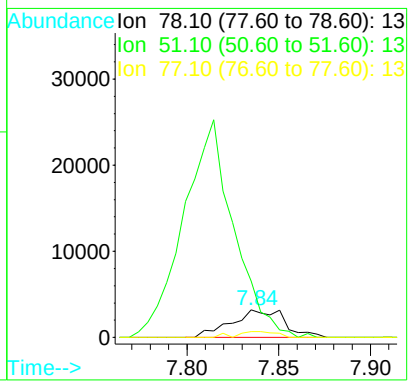


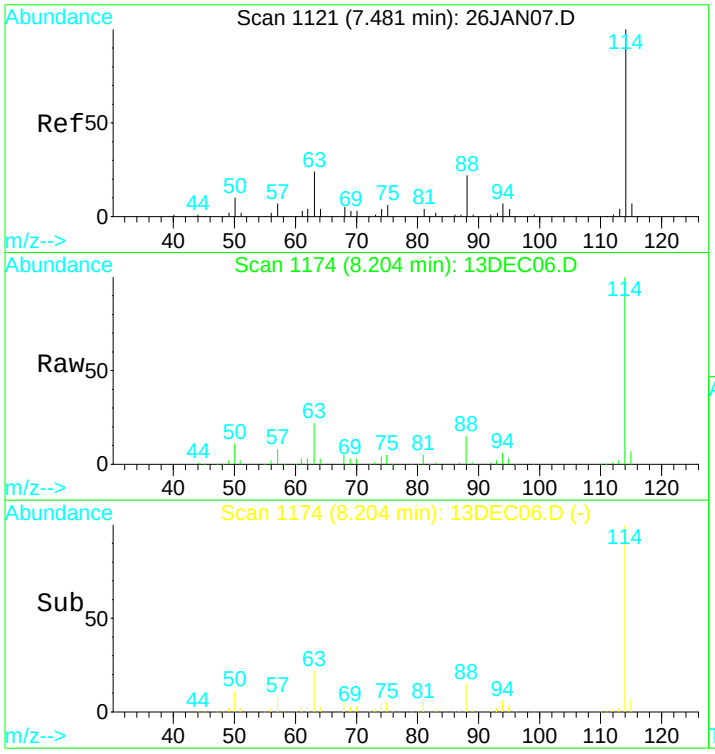


#25
Benzene
Concen: 0.08 ug/L
RT: 7.84 min Scan# 1102
Delta R.T. -0.00 min
Lab File: 13DEC06.D
Acq: 13 Dec 2022 7:45 am

Tgt Ion: 78 Resp: 6334

Ion	Ratio	Lower	Upper
78	100		
51	762.3	18.3	33.9#
77	16.2	19.4	36.0#

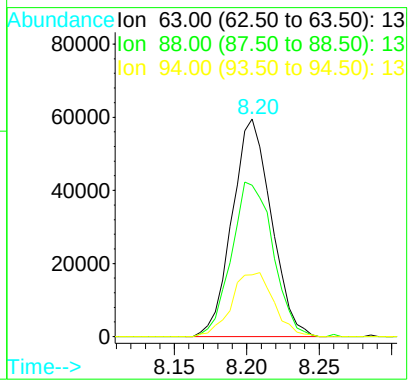


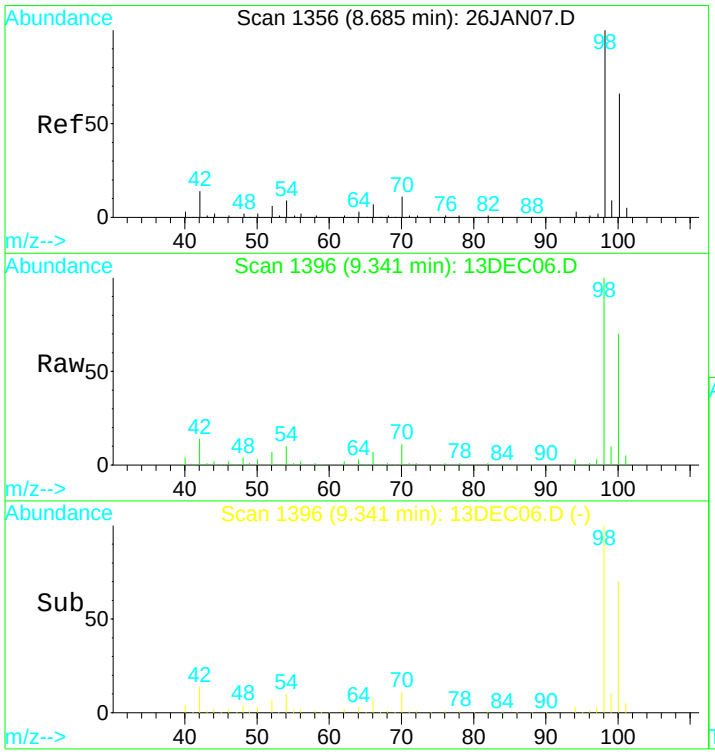


#26
1,4-Difluorobenzene IS#2
Concen: 10.00 ug/L
RT: 8.20 min Scan# 1174
Delta R.T. 0.00 min
Lab File: 13DEC06.D
Acq: 13 Dec 2022 7:45 am

Tgt Ion: 63 Resp: 111971

Ion	Ratio	Lower	Upper
63	100		
88	74.9	52.1	96.7
94	31.7	19.7	36.7

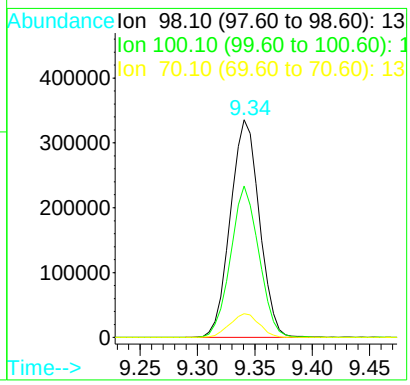


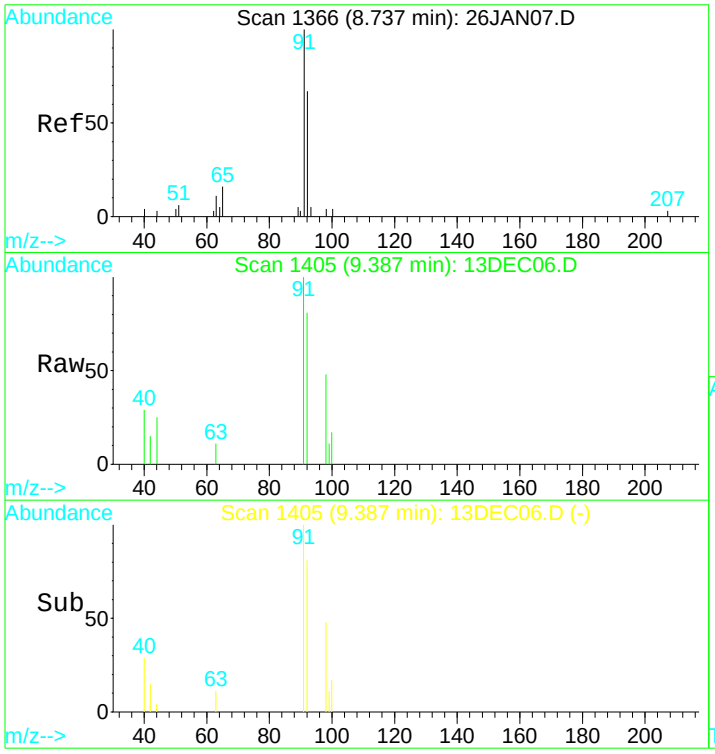


#33
Toluene d8 SMC#2
Concen: Below ug/L
RT: 9.34 min Scan# 1396
Delta R.T. -0.00 min
Lab File: 13DEC06.D
Acq: 13 Dec 2022 7:45 am

Tgt Ion: 98 Resp: 592314

Ion	Ratio	Lower	Upper
98	100		
100	67.6	47.4	88.0
70	11.1	7.7	14.3

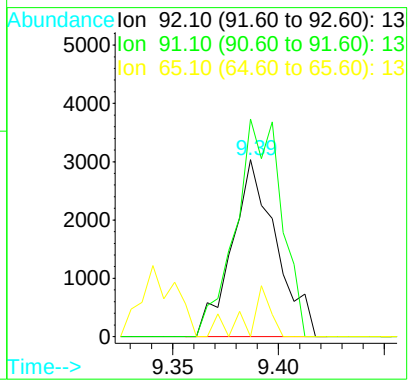


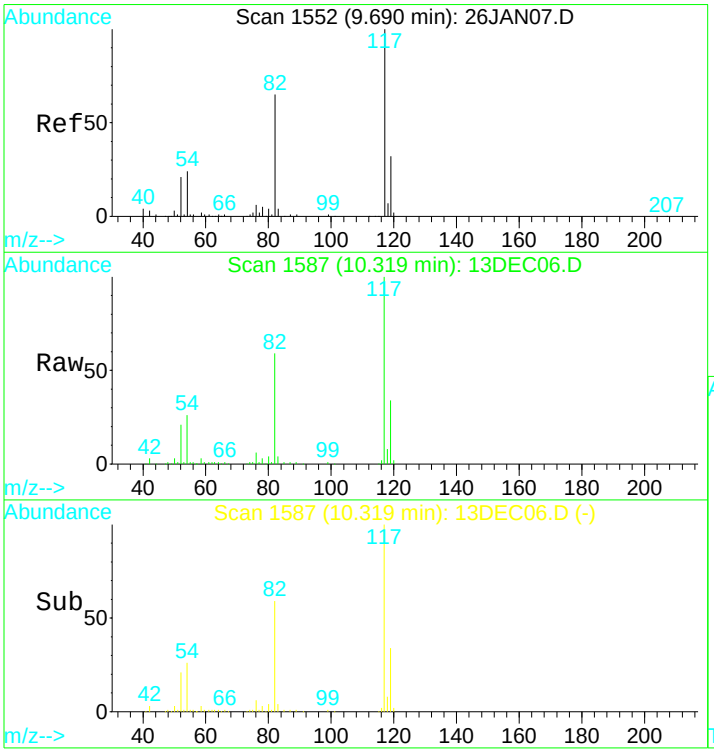


#34
Toluene
Concen: 0.10 ug/L
RT: 9.39 min Scan# 1405
Delta R.T. -0.00 min
Lab File: 13DEC06.D
Acq: 13 Dec 2022 7:45 am

Tgt Ion: 92 Resp: 4377

Ion	Ratio	Lower	Upper
92	100		
91	127.8	102.6	190.5
65	11.8	15.6	29.0#

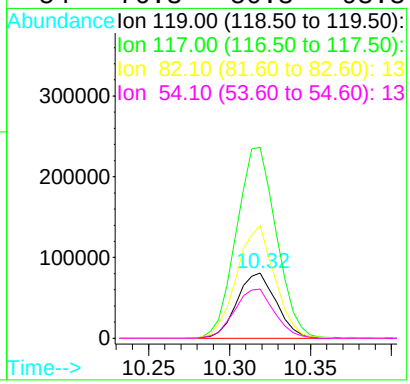


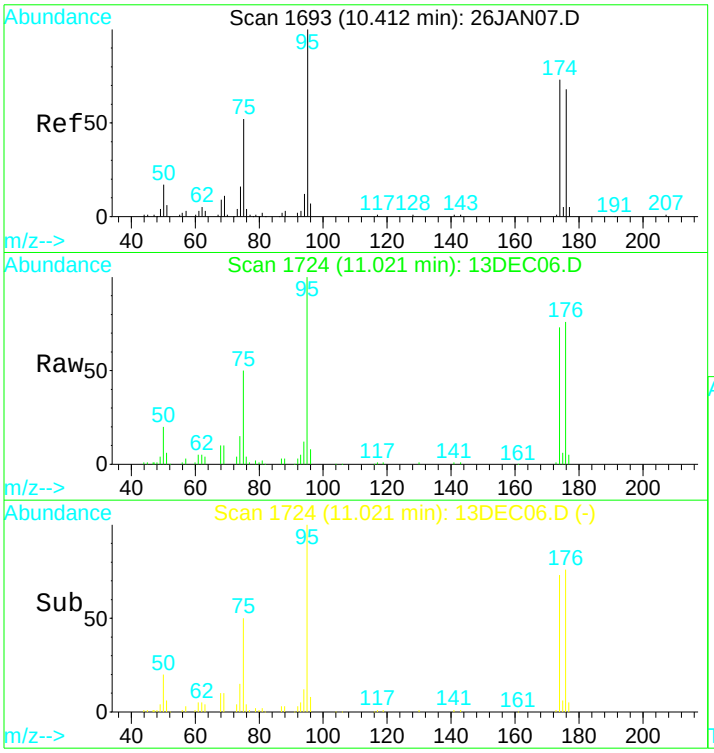


#41
Chlorobenzene d5 IS#3
Concen: 10.00 ug/L
RT: 10.32 min Scan# 1587
Delta R.T. 0.00 min
Lab File: 13DEC06.D
Acq: 13 Dec 2022 7:45 am

Tgt Ion:119 Resp: 135498

Ion	Ratio	Lower	Upper
119	100		
117	298.9	210.3	390.6
82	167.9	119.1	221.3
54	76.3	50.3	93.3

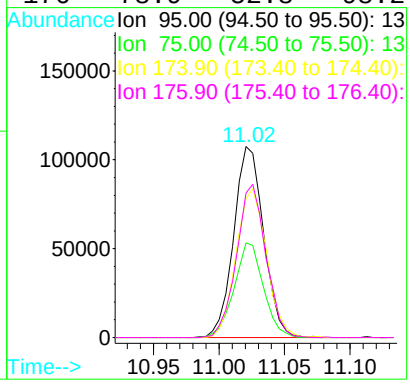




#51
Bromofluorobenzene SMC#3
Concen: N.D. ug/L
RT: 11.02 min Scan# 1724
Delta R.T. -0.00 min
Lab File: 13DEC06.D
Acq: 13 Dec 2022 7:45 am

Tgt Ion: 95 Resp: 170483

Ion	Ratio	Lower	Upper
95	100		
75	48.4	31.7	58.9
174	79.3	54.2	100.6
176	78.9	52.8	98.2



Quantitation Report (QT Reviewed)

Data File : D:\DATA\DEC2022C\DEC13\13DEC06.D Vial: 6
Acq On : 13 Dec 2022 7:45 am Operator: mgc
Sample : 2229425-02 Inst : MS-V5
Misc : 1 Unspiked;25ML;pH=2 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Dec 14 12:22 2022 Quant Results File: 82605CX.RES

Quant Method : C:\HPCHEM\1...\82605CX.M (RTE Integrator)
Title : EPA Method 8260C/DX
Last Update : Thu Dec 01 09:35:24 2022
Response via : Initial Calibration
DataAcq Meth : 82605

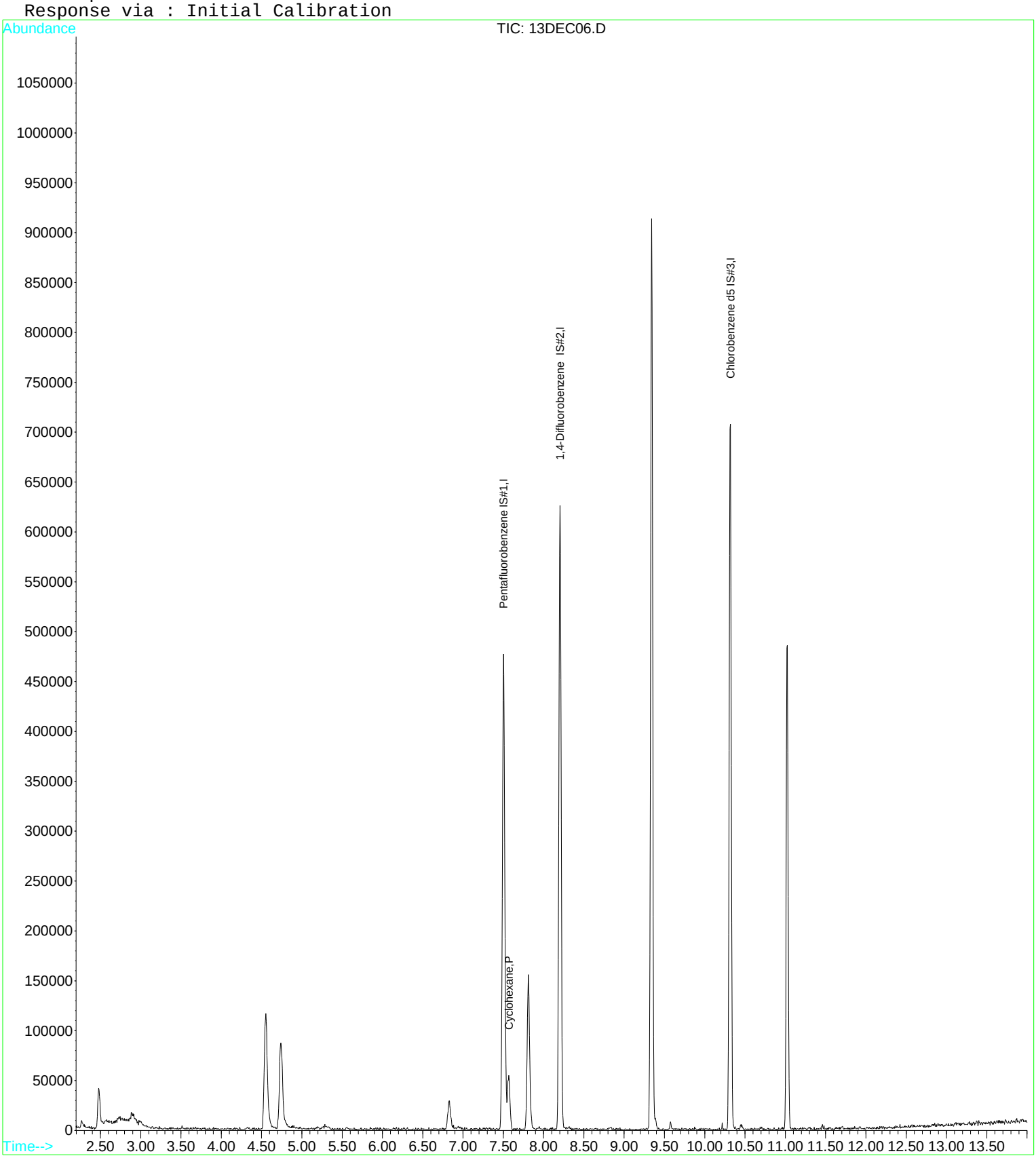
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene IS#1	7.50	137	60599	10.00	ug/L	0.00
29) 1,4-Difluorobenzene IS#2	8.20	63	111971	10.00	ug/L	0.00
36) Chlorobenzene d5 IS#3	10.32	119	135498	10.00	ug/L	0.00
Target Compounds						Qvalue
27) Cyclohexane	7.57	56	33168	0.86	ug/L	92

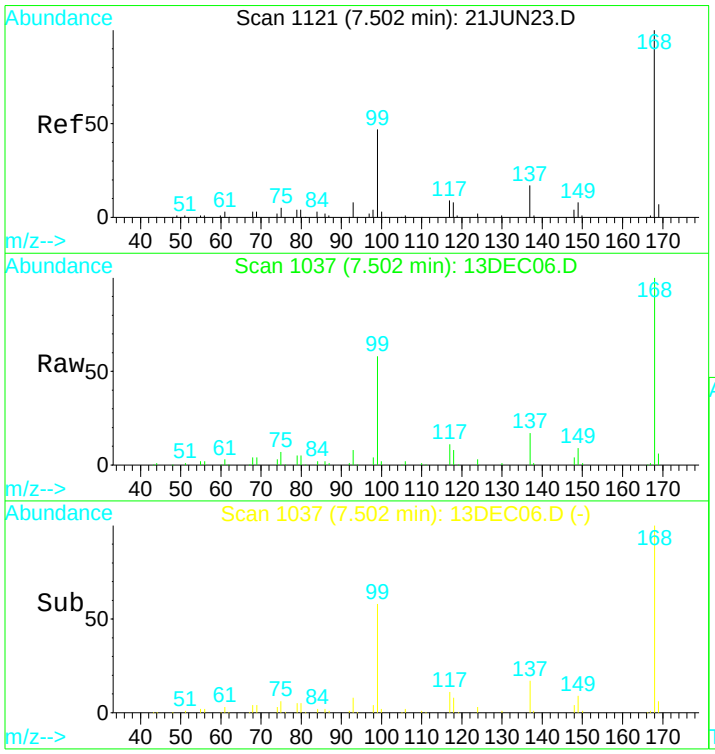
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : D:\DATA\DEC2022C\DEC13\13DEC06.D Vial: 6
Acq On : 13 Dec 2022 7:45 am Operator: mgc
Sample : 2229425-02 Inst : MS-V5
Misc : 1 Unspiked;25ML;pH=2 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Dec 14 12:22 2022 Quant Results File: 82605CX.RES

Method : C:\HPCHEM\1\METHODS\C\202210\16-1301\82605CX.M (RTE Integrator)
Title : EPA Method 8260C/DX
Last Update : Thu Dec 01 09:35:24 2022
Response via : Initial Calibration

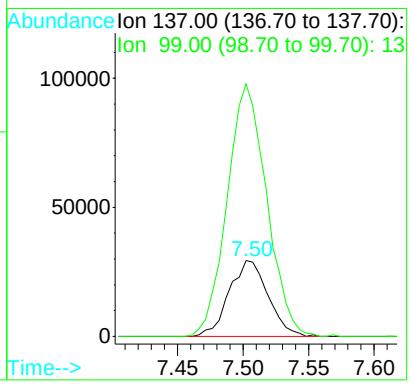


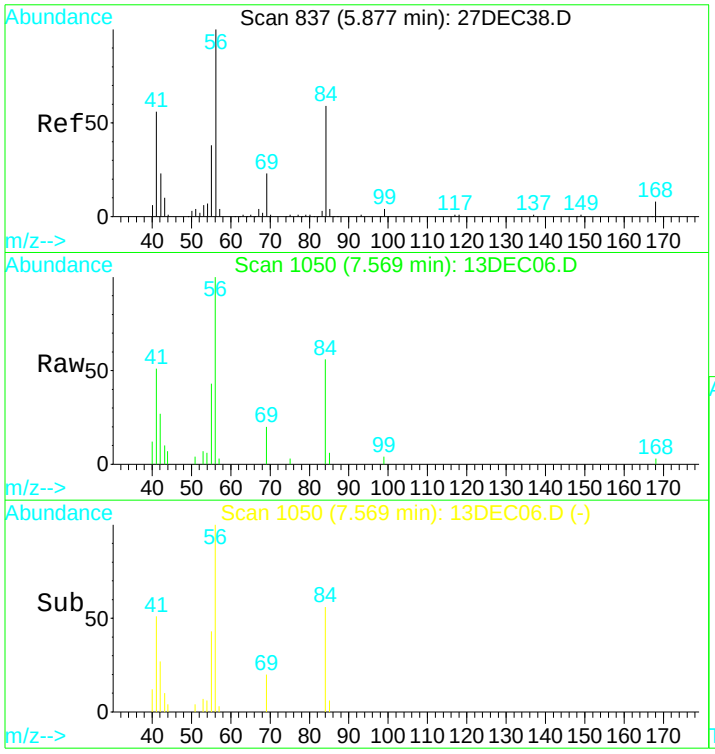


#1
Pentafluorobenzene IS#1
Concen: 10.00 ug/L
RT: 7.50 min Scan# 1037
Delta R.T. -0.00 min
Lab File: 13DEC06.D
Acq: 13 Dec 2022 7:45 am

Tgt Ion:137 Resp: 60599

Ion	Ratio	Lower	Upper
137	100		
99	338.3	241.0	447.6

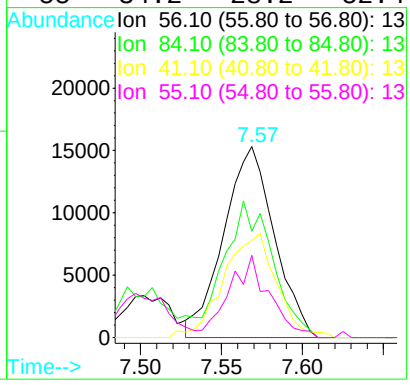


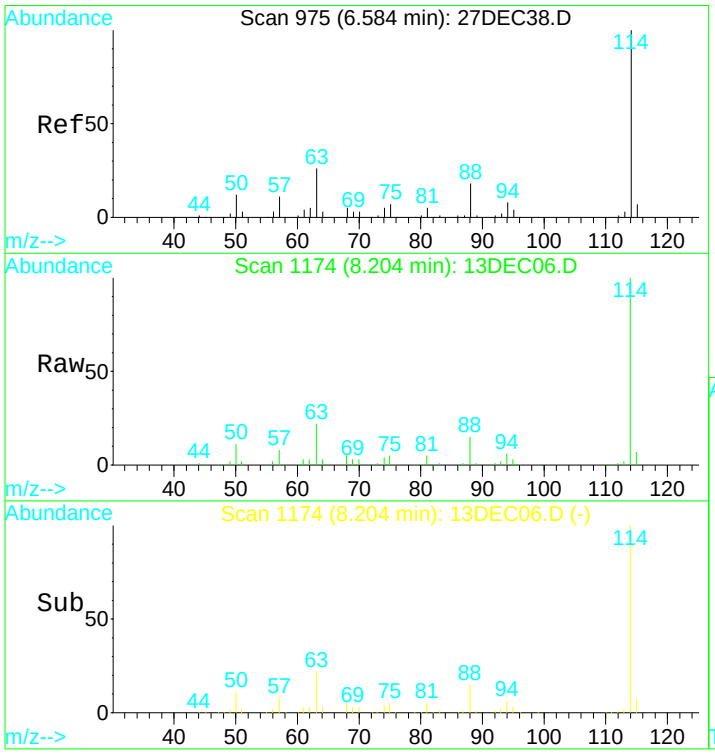


#27
Cyclohexane
Concen: 0.86 ug/L
RT: 7.57 min Scan# 1050
Delta R.T. 0.00 min
Lab File: 13DEC06.D
Acq: 13 Dec 2022 7:45 am

Tgt Ion: 56 Resp: 33168

Ion	Ratio	Lower	Upper
56	100		
84	67.0	54.5	101.3
41	56.8	40.9	75.9
55	34.2	28.2	52.4

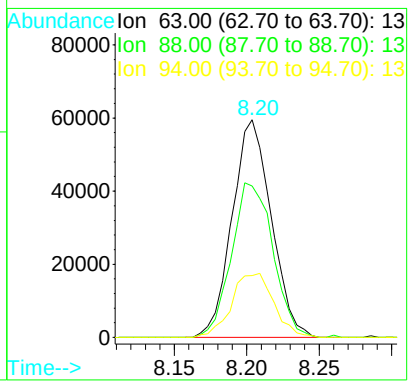


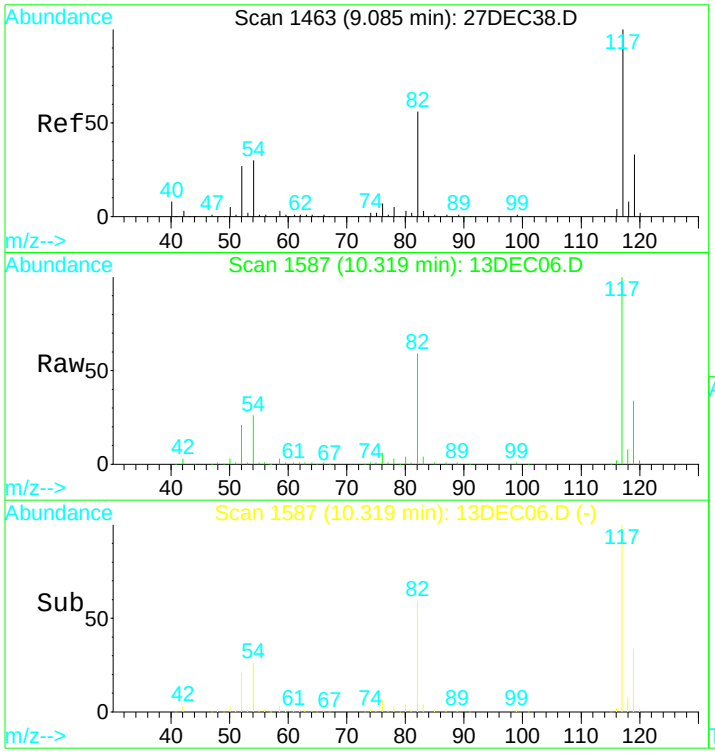


#29
1,4-Difluorobenzene IS#2
Concen: 10.00 ug/L
RT: 8.20 min Scan# 1174
Delta R.T. -0.00 min
Lab File: 13DEC06.D
Acq: 13 Dec 2022 7:45 am

Tgt Ion: 63 Resp: 111971

Ion	Ratio	Lower	Upper
63	100		
88	74.9	54.9	102.1
94	31.7	21.0	39.0

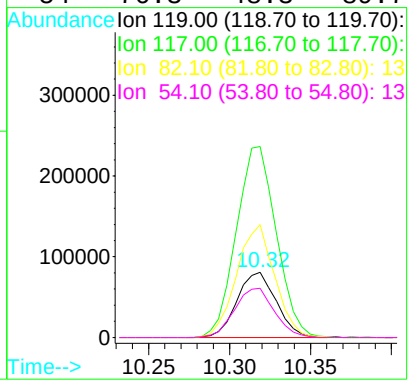




#36
Chlorobenzene d5 IS#3
Concen: 10.00 ug/L
RT: 10.32 min Scan# 1587
Delta R.T. 0.00 min
Lab File: 13DEC06.D
Acq: 13 Dec 2022 7:45 am

Tgt Ion:119 Resp: 135498

Ion	Ratio	Lower	Upper
119	100		
117	298.9	215.7	400.5
82	167.9	118.3	219.7
54	76.3	48.3	89.7



Quantitation Report (QT Reviewed)

Data File : D:\DATA\DEC2022C\DEC13\13DEC14.D Vial: 14
Acq On : 13 Dec 2022 10:56 am Operator: mgc
Sample : 2229425-03 Inst : MS-V5
Misc : 1 ;25ML;pH=2 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Dec 14 12:36 2022 Quant Results File: 82605C.RES

Quant Method : C:\HPCHEM\1...\82605C.M (RTE Integrator)
Title : EPA Method 8260C/D
Last Update : Thu Nov 17 08:03:26 2022
Response via : Initial Calibration
DataAcq Meth : 82605

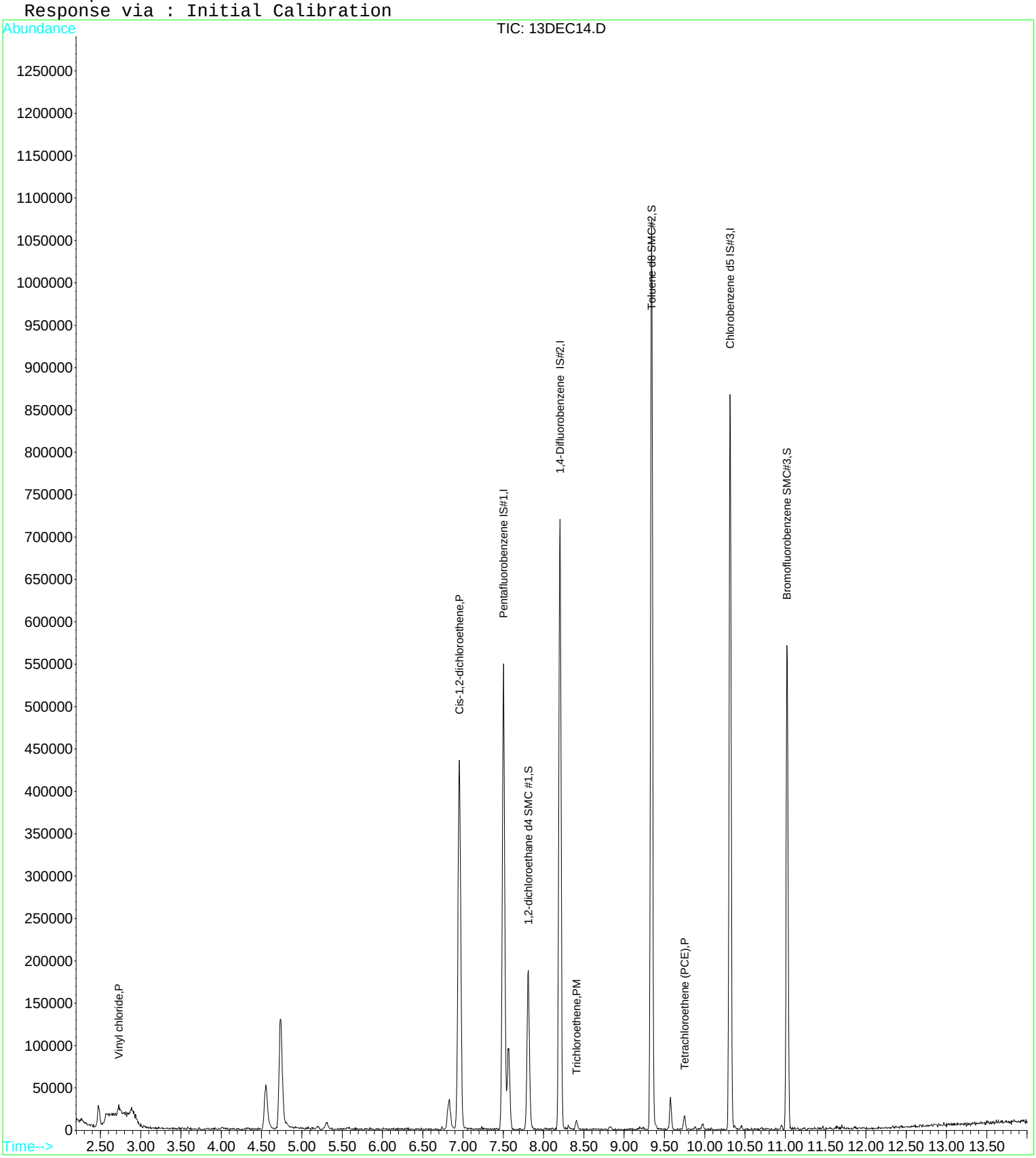
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene IS#1	7.50	137	68198	10.00	ug/L	0.00
26) 1,4-Difluorobenzene IS#2	8.20	63	132063	10.00	ug/L	0.00
41) Chlorobenzene d5 IS#3	10.31	119	166353	10.00	ug/L	0.00
System Monitoring Compounds						
23) 1,2-dichloroethane d4 SMC	7.80	65	146760	10.81	ug/L	0.00
Spiked Amount 10.000	Range 75 - 125		Recovery = 108.10%			
33) Toluene d8 SMC#2	9.34	98	707872	10.21	ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 102.10%			
51) Bromofluorobenzene SMC#3	11.02	95	207687	9.76	ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 97.60%			
Target Compounds						Qvalue
5) Vinyl chloride	2.73	62	9146	0.34	ug/L	# 1
17) Cis-1,2-dichloroethene	6.95	96	240884	9.54	ug/L	91
27) Trichloroethene	8.41	130	3974	0.18	ug/L	91
37) Tetrachloroethene (PCE)	9.75	166	5225	0.25	ug/L	93

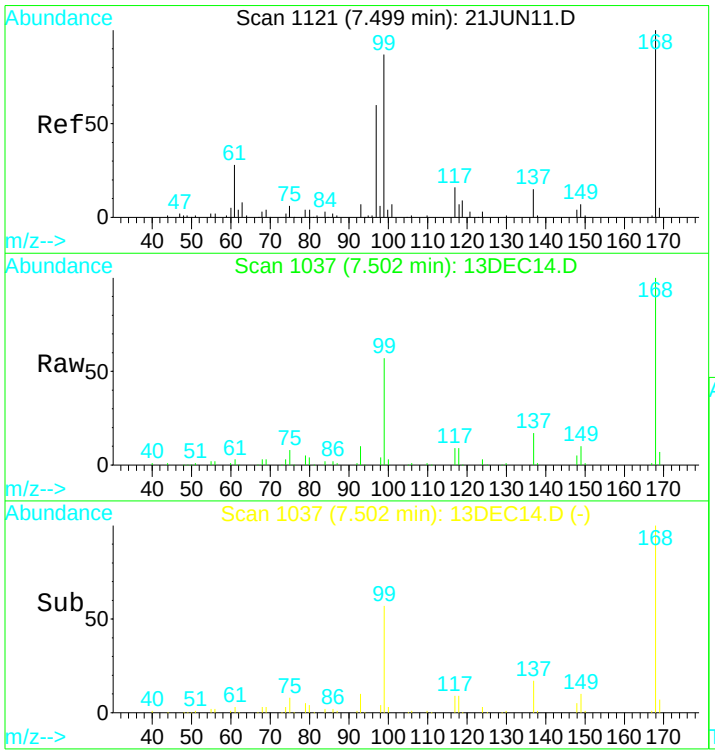
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : D:\DATA\DEC2022C\DEC13\13DEC14.D Vial: 14
Acq On : 13 Dec 2022 10:56 am Operator: mgc
Sample : 2229425-03 Inst : MS-V5
Misc : 1 ;25ML;pH=2 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Dec 14 12:36 2022 Quant Results File: 82605C.RES

Method : C:\HPCHEM\1\METHODS\C\202211\14-1045\82605C.M (RTE Integrator)
Title : EPA Method 8260C/D
Last Update : Thu Nov 17 08:03:26 2022
Response via : Initial Calibration

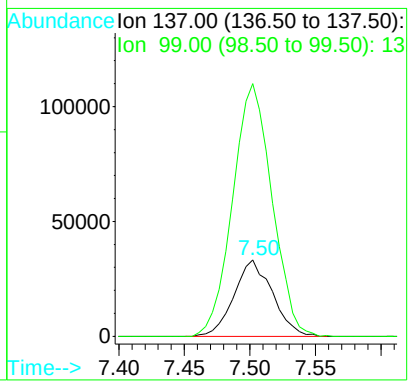


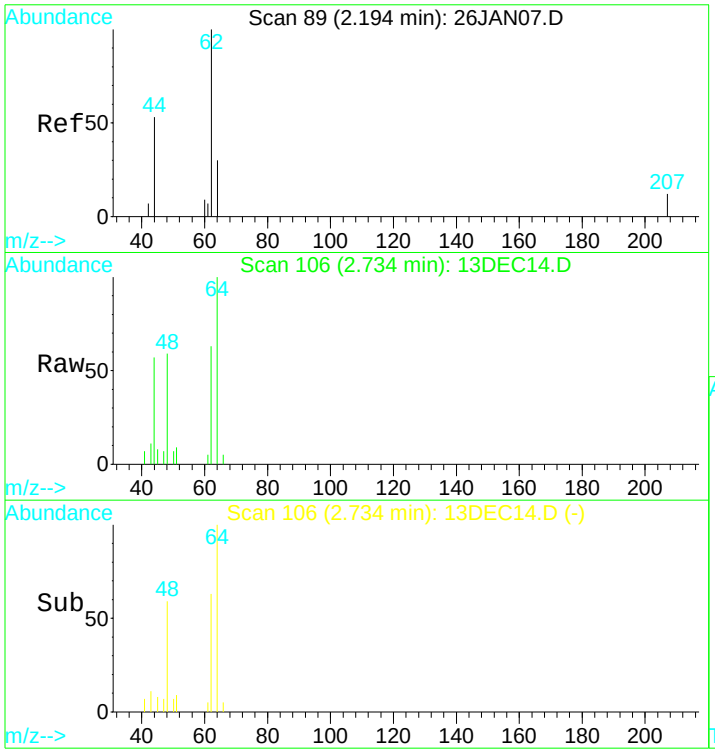


#1
Pentafluorobenzene IS#1
Concen: 10.00 ug/L
RT: 7.50 min Scan# 1037
Delta R.T. 0.00 min
Lab File: 13DEC14.D
Acq: 13 Dec 2022 10:56 am

Tgt Ion:137 Resp: 68198

Ion	Ratio	Lower	Upper
137	100		
99	337.9	1402.2	2604.0#

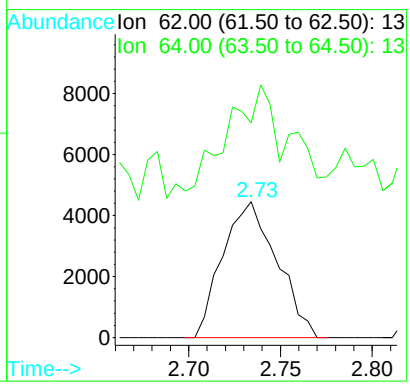


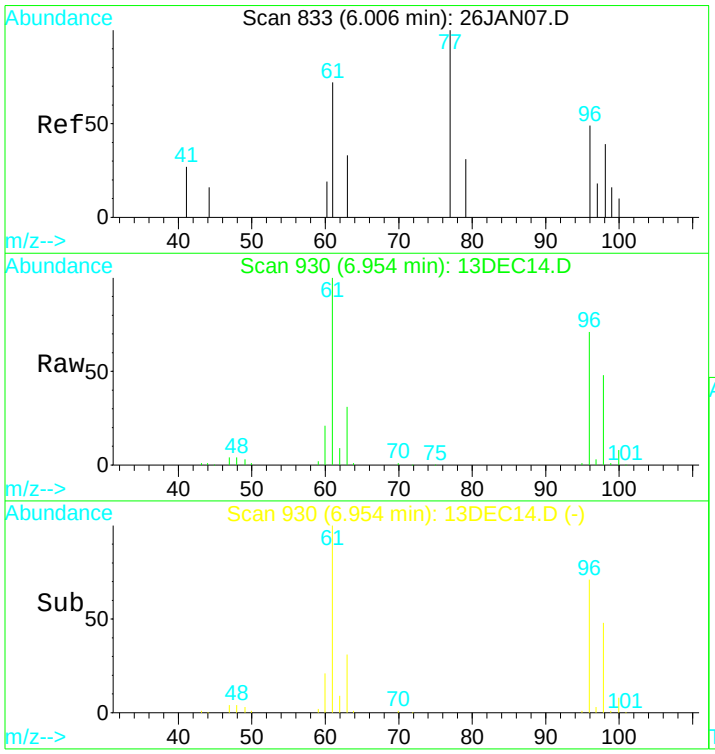


#5
Vinyl chloride
Concen: 0.34 ug/L
RT: 2.73 min Scan# 106
Delta R.T. 0.00 min
Lab File: 13DEC14.D
Acq: 13 Dec 2022 10:56 am

Tgt Ion: 62 Resp: 9146

Ion	Ratio	Lower	Upper
62	100		
64	137.1	22.6	42.0#

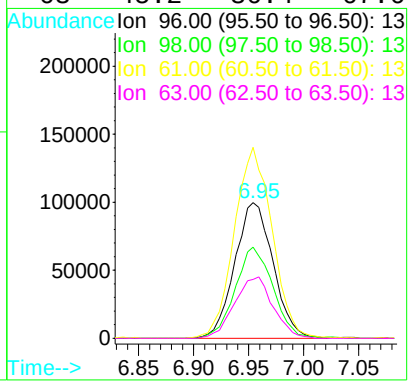


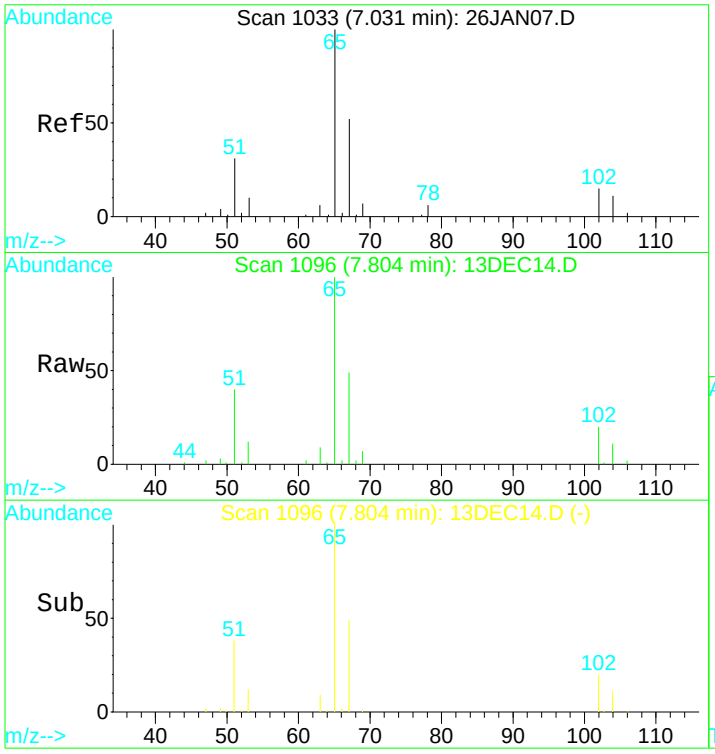


#17
Cis-1,2-dichloroethene
Concen: 9.54 ug/L
RT: 6.95 min Scan# 930
Delta R.T. -0.00 min
Lab File: 13DEC14.D
Acq: 13 Dec 2022 10:56 am

Tgt Ion: 96 Resp: 240884

Ion	Ratio	Lower	Upper
96	100		
98	65.9	45.8	85.2
61	139.2	108.0	200.6
63	45.2	36.4	67.6

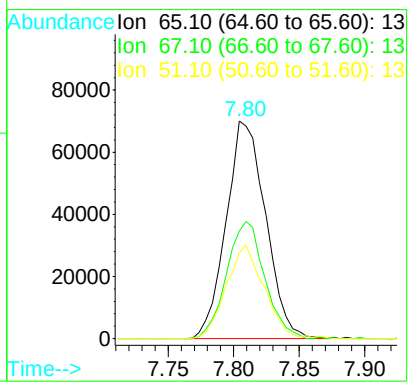


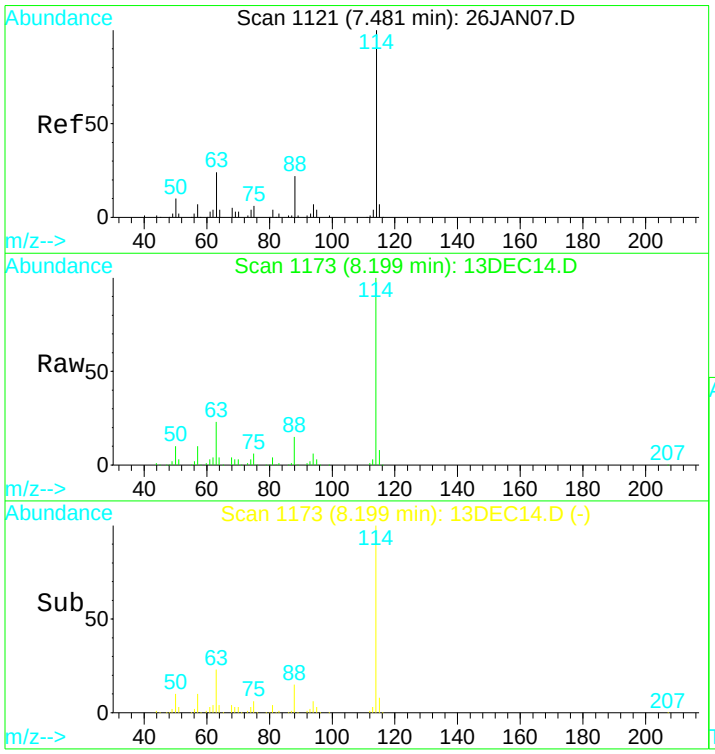


#23
1,2-dichloroethane d4 SMC #1
Concen: N.D. ug/L
RT: 7.80 min Scan# 1096
Delta R.T. -0.01 min
Lab File: 13DEC14.D
Acq: 13 Dec 2022 10:56 am

Tgt Ion: 65 Resp: 146760

Ion	Ratio	Lower	Upper
65	100		
67	51.8	37.7	70.1
51	41.4	511.6	950.2#

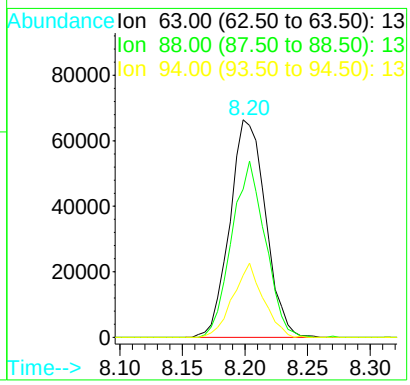


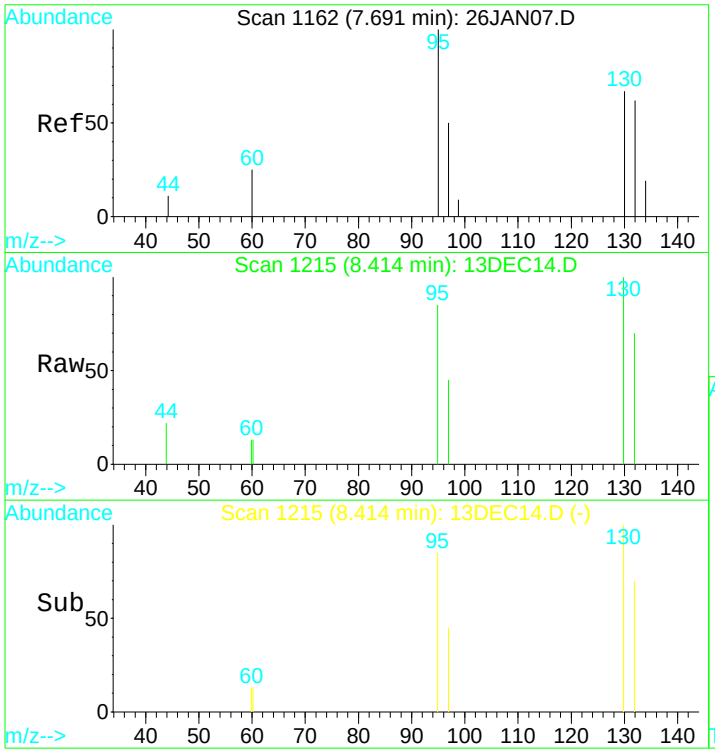


#26
1,4-Difluorobenzene IS#2
Concen: 10.00 ug/L
RT: 8.20 min Scan# 1173
Delta R.T. -0.00 min
Lab File: 13DEC14.D
Acq: 13 Dec 2022 10:56 am

Tgt Ion: 63 Resp: 132063

Ion	Ratio	Lower	Upper
63	100		
88	76.0	52.1	96.7
94	29.0	19.7	36.7

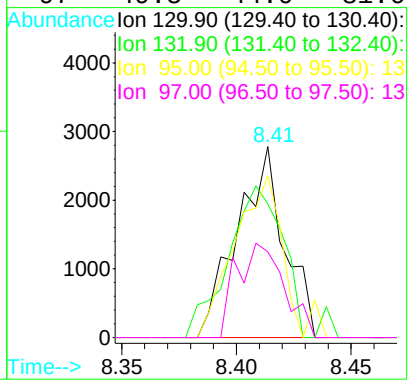


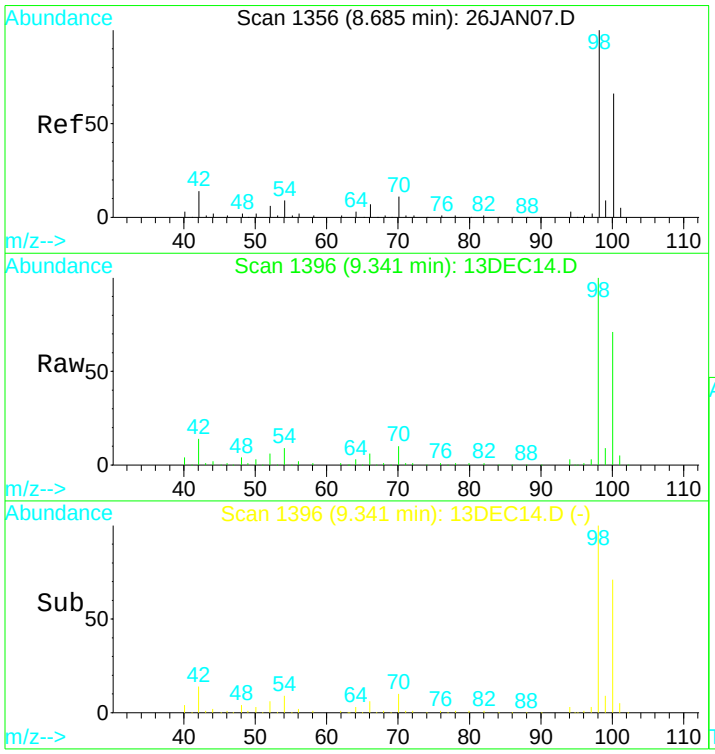


#27
Trichloroethene
Concen: 0.18 ug/L
RT: 8.41 min Scan# 1215
Delta R.T. 0.00 min
Lab File: 13DEC14.D
Acq: 13 Dec 2022 10:56 am

Tgt Ion:130 Resp: 3974

Ion	Ratio	Lower	Upper
130	100		
132	91.4	67.3	124.9
95	87.6	67.0	124.4
97	49.5	44.0	81.6

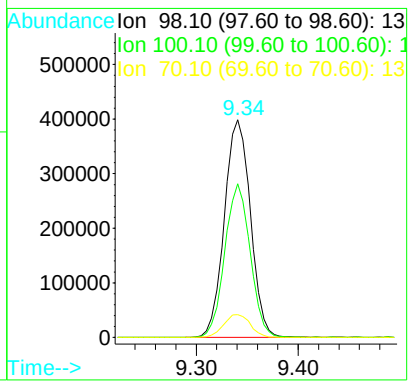


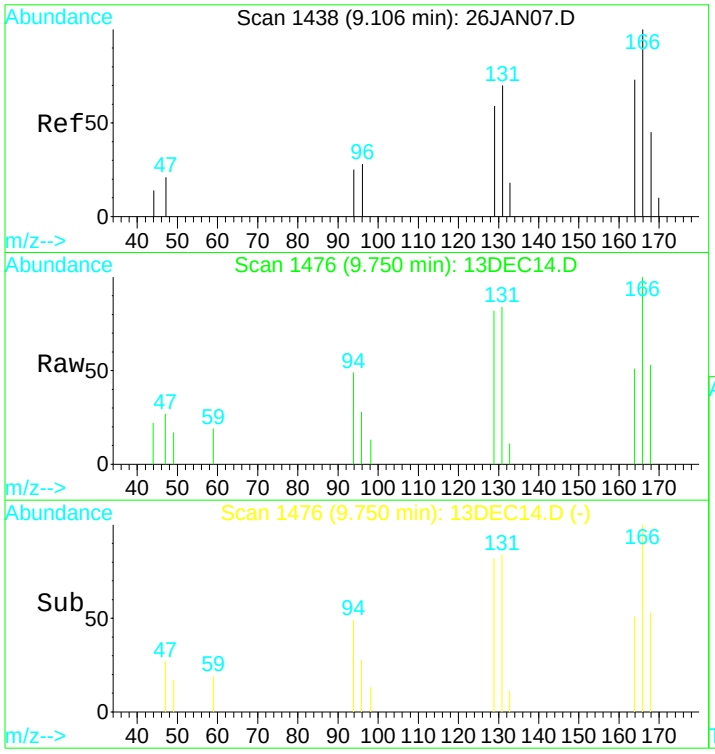


#33
Toluene d8 SMC#2
Concen: N.D. ug/L
RT: 9.34 min Scan# 1396
Delta R.T. -0.00 min
Lab File: 13DEC14.D
Acq: 13 Dec 2022 10:56 am

Tgt Ion: 98 Resp: 707872

Ion	Ratio	Lower	Upper
98	100		
100	68.6	47.4	88.0
70	10.7	7.7	14.3

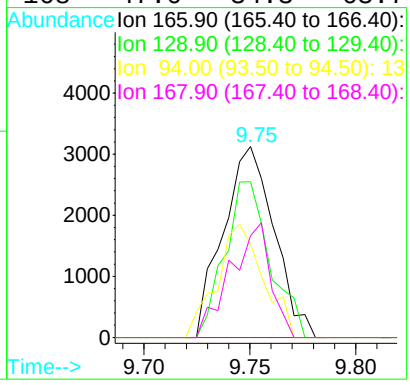


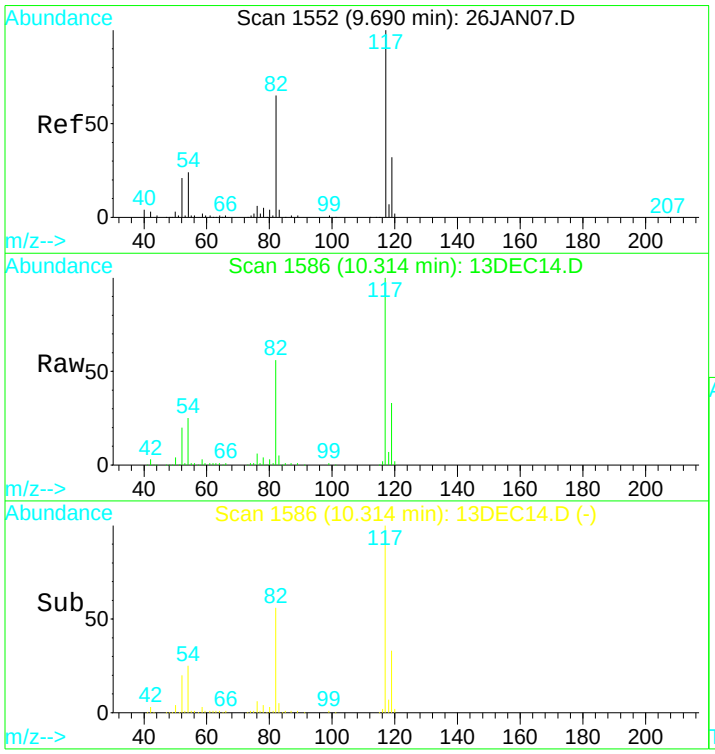


#37
Tetrachloroethene (PCE)
Concen: 0.25 ug/L
RT: 9.75 min Scan# 1476
Delta R.T. 0.00 min
Lab File: 13DEC14.D
Acq: 13 Dec 2022 10:56 am

Tgt Ion:166 Resp: 5225

Ion	Ratio	Lower	Upper
166	100		
129	72.3	53.5	99.5
94	54.0	30.2	56.2
168	47.0	34.3	63.7

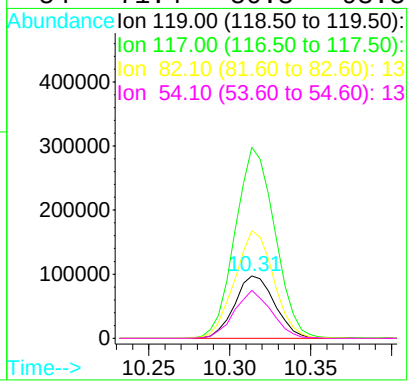


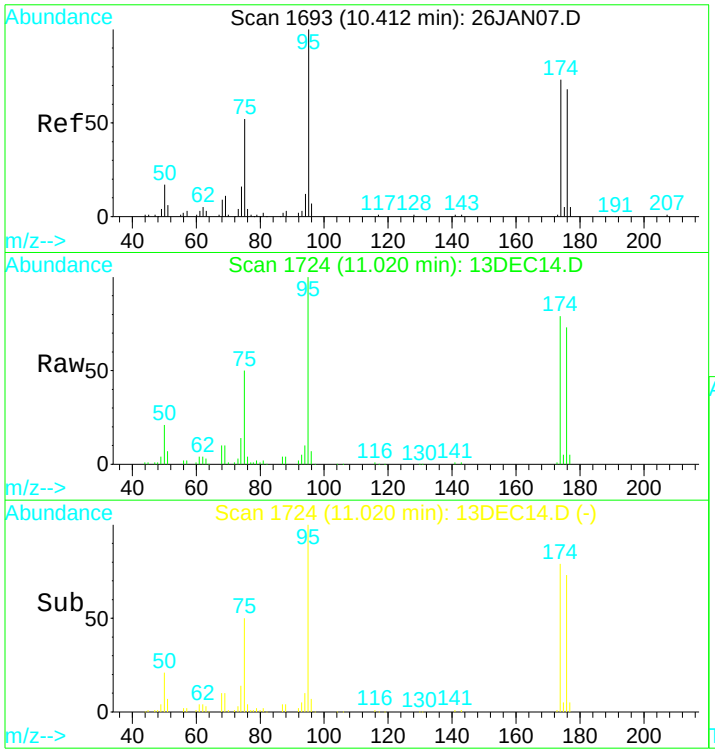


#41
Chlorobenzene d5 IS#3
Concen: 10.00 ug/L
RT: 10.31 min Scan# 1586
Delta R.T. -0.00 min
Lab File: 13DEC14.D
Acq: 13 Dec 2022 10:56 am

Tgt Ion:119 Resp: 166353

Ion	Ratio	Lower	Upper
119	100		
117	305.0	210.3	390.6
82	168.1	119.1	221.3
54	71.4	50.3	93.3

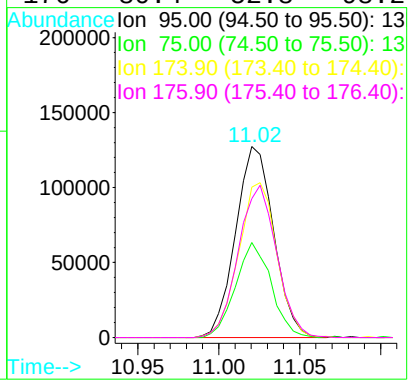




#51
Bromofluorobenzene SMC#3
Concen: N.D. ug/L
RT: 11.02 min Scan# 1724
Delta R.T. -0.00 min
Lab File: 13DEC14.D
Acq: 13 Dec 2022 10:56 am

Tgt Ion: 95 Resp: 207687

Ion	Ratio	Lower	Upper
95	100		
75	46.5	31.7	58.9
174	81.5	54.2	100.6
176	80.4	52.8	98.2



Quantitation Report (QT Reviewed)

Data File : D:\DATA\DEC2022C\DEC13\13DEC14.D Vial: 14
Acq On : 13 Dec 2022 10:56 am Operator: mgc
Sample : 2229425-03 Inst : MS-V5
Misc : 1 ;25ML;pH=2 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Dec 14 12:48 2022 Quant Results File: 82605CX.RES

Quant Method : C:\HPCHEM\1...\82605CX.M (RTE Integrator)
Title : EPA Method 8260C/DX
Last Update : Thu Dec 01 09:35:24 2022
Response via : Initial Calibration
DataAcq Meth : 82605

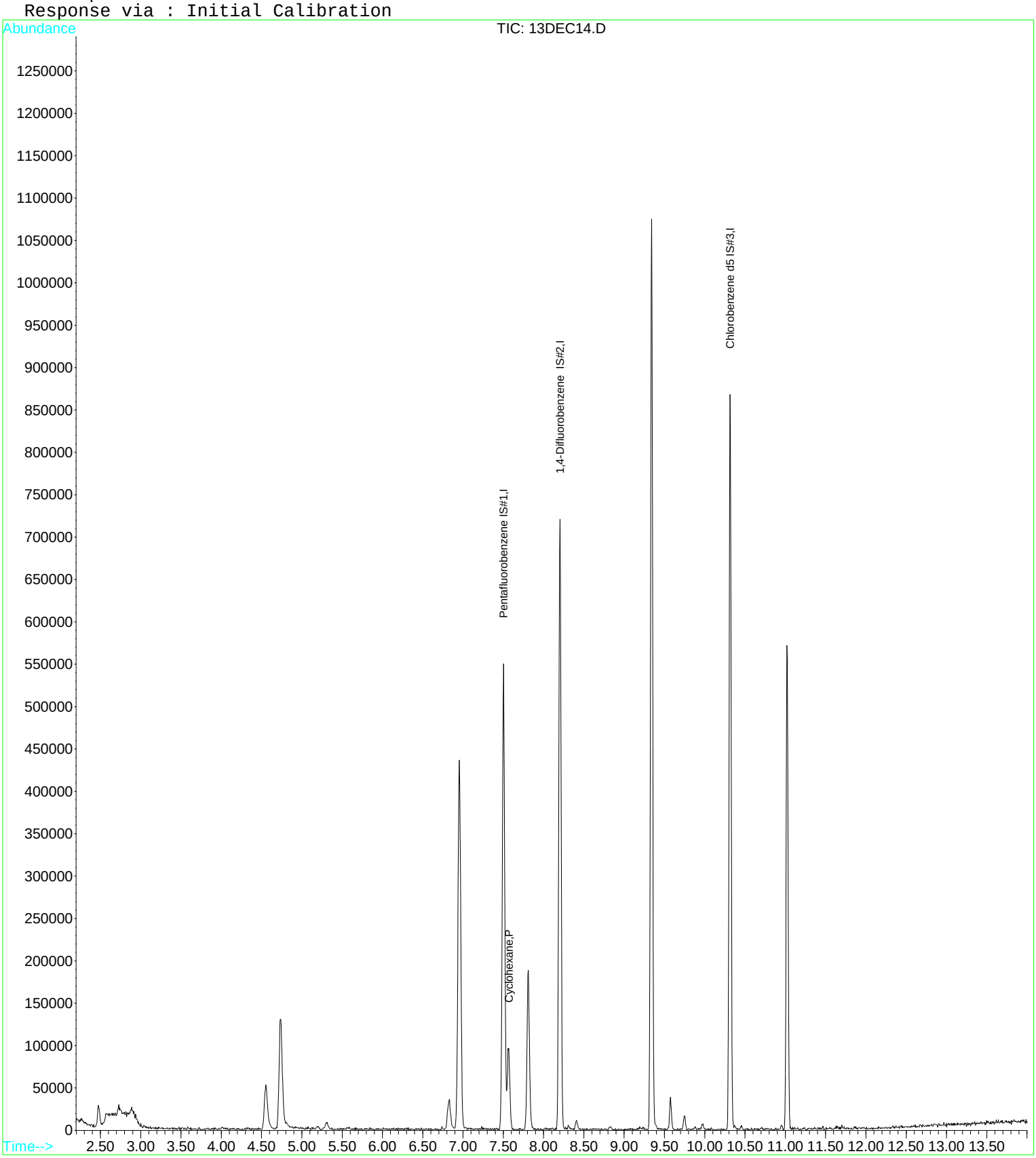
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene IS#1	7.50	137	68198	10.00	ug/L	0.00
29) 1,4-Difluorobenzene IS#2	8.20	63	132063	10.00	ug/L	0.00
36) Chlorobenzene d5 IS#3	10.31	119	166353	10.00	ug/L	0.00
Target Compounds						Qvalue
27) Cyclohexane	7.56	56	58161	1.35	ug/L	93

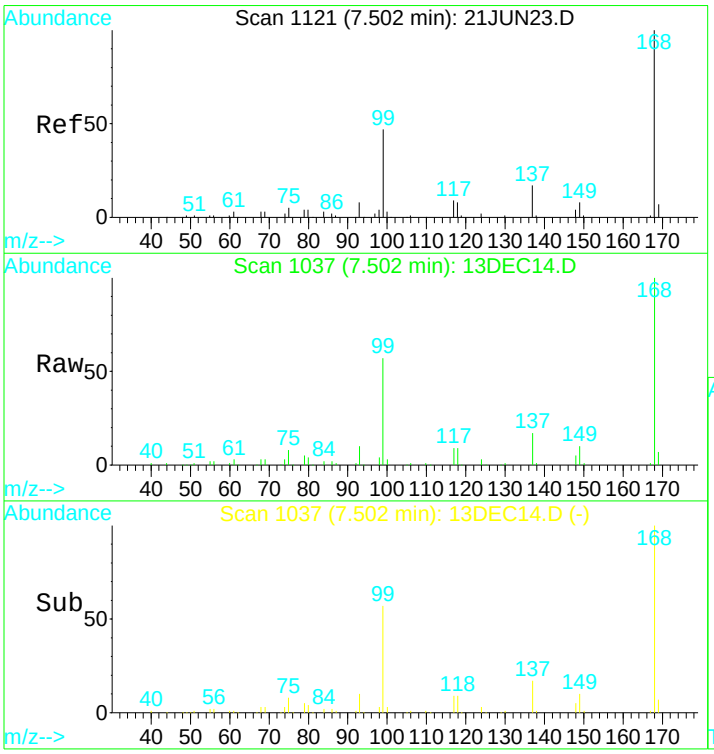
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : D:\DATA\DEC2022C\DEC13\13DEC14.D Vial: 14
Acq On : 13 Dec 2022 10:56 am Operator: mgc
Sample : 2229425-03 Inst : MS-V5
Misc : 1 ;25ML;pH=2 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Dec 14 12:48 2022 Quant Results File: 82605CX.RES

Method : C:\HPCHEM\1\METHODS\C\202210\16-1301\82605CX.M (RTE Integrator)
Title : EPA Method 8260C/DX
Last Update : Thu Dec 01 09:35:24 2022
Response via : Initial Calibration

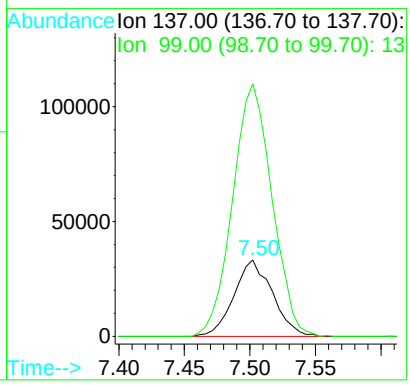


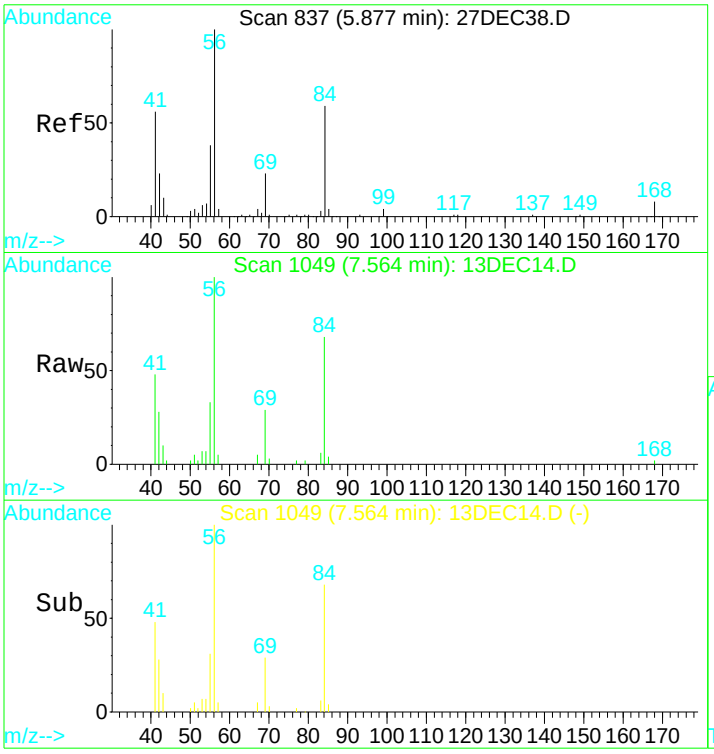


#1
Pentafluorobenzene IS#1
Concen: 10.00 ug/L
RT: 7.50 min Scan# 1037
Delta R.T. -0.00 min
Lab File: 13DEC14.D
Acq: 13 Dec 2022 10:56 am

Tgt Ion:137 Resp: 68198

Ion	Ratio	Lower	Upper
137	100		
99	337.9	241.0	447.6

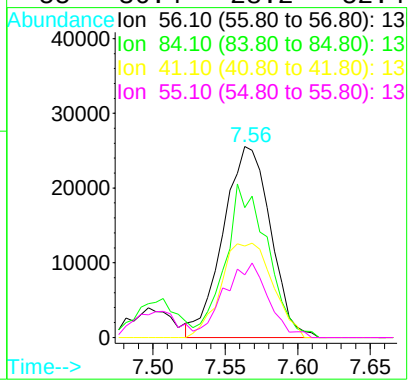


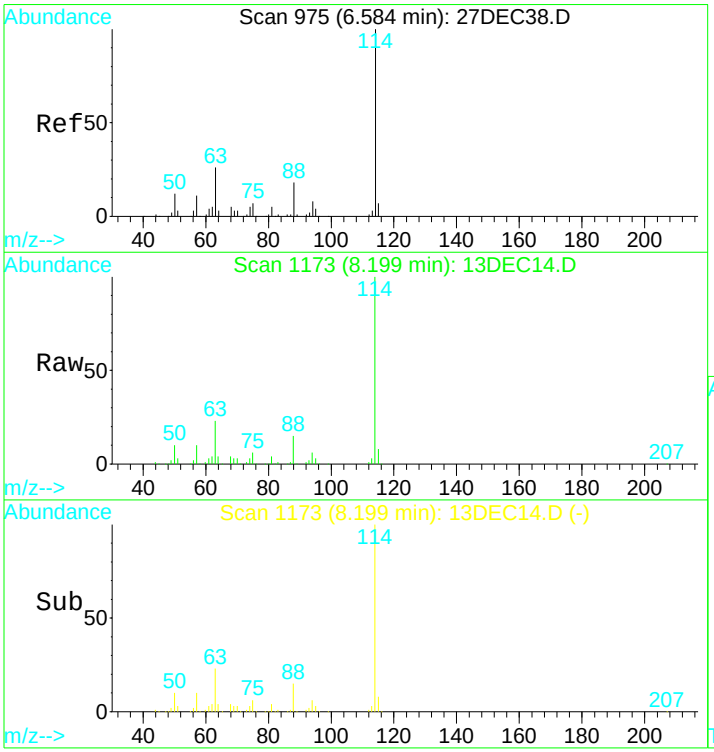


#27
Cyclohexane
Concen: 1.35 ug/L
RT: 7.56 min Scan# 1049
Delta R.T. -0.00 min
Lab File: 13DEC14.D
Acq: 13 Dec 2022 10:56 am

Tgt Ion: 56 Resp: 58161

Ion	Ratio	Lower	Upper
56	100		
84	71.4	54.5	101.3
41	53.8	40.9	75.9
55	36.4	28.2	52.4

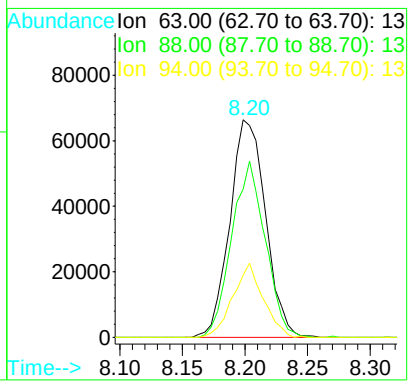


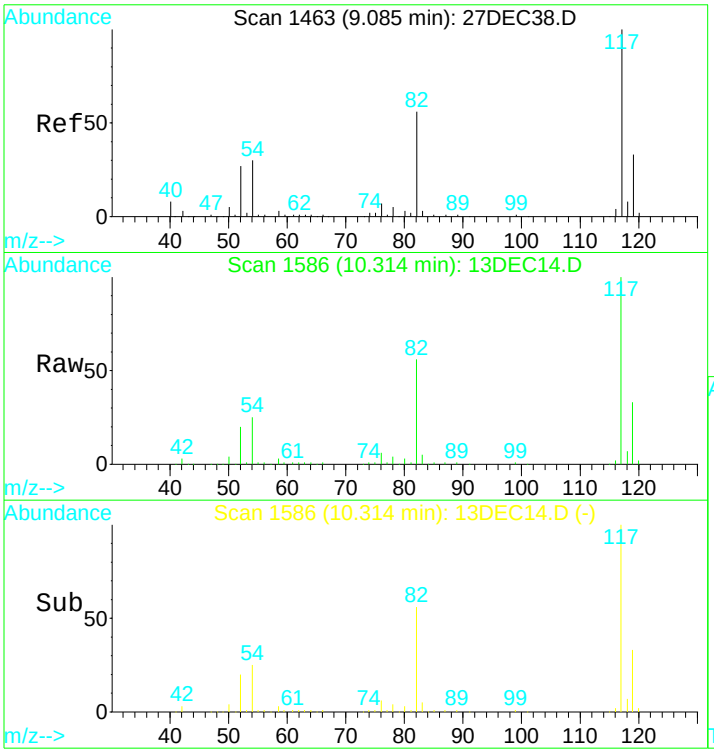


#29
1,4-Difluorobenzene IS#2
Concen: 10.00 ug/L
RT: 8.20 min Scan# 1173
Delta R.T. -0.01 min
Lab File: 13DEC14.D
Acq: 13 Dec 2022 10:56 am

Tgt Ion: 63 Resp: 132063

Ion	Ratio	Lower	Upper
63	100		
88	76.0	54.9	102.1
94	29.0	21.0	39.0

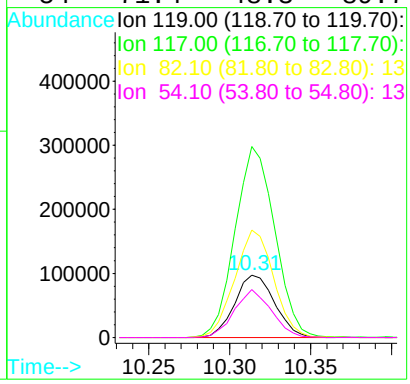




#36
Chlorobenzene d5 IS#3
Concen: 10.00 ug/L
RT: 10.31 min Scan# 1586
Delta R.T. -0.00 min
Lab File: 13DEC14.D
Acq: 13 Dec 2022 10:56 am

Tgt Ion:119 Resp: 166353

Ion	Ratio	Lower	Upper
119	100		
117	305.0	215.7	400.5
82	168.1	118.3	219.7
54	71.4	48.3	89.7



Quantitation Report (QT Reviewed)

Data File : D:\DATA\DEC2022C\DEC13\13DEC15.D Vial: 15
Acq On : 13 Dec 2022 11:20 am Operator: mgc
Sample : 2229425-04 Inst : MS-V5
Misc : 1 ;25ML;pH=2 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Dec 14 12:37 2022 Quant Results File: 82605C.RES

Quant Method : C:\HPCHEM\1...\82605C.M (RTE Integrator)
Title : EPA Method 8260C/D
Last Update : Thu Nov 17 08:03:26 2022
Response via : Initial Calibration
DataAcq Meth : 82605

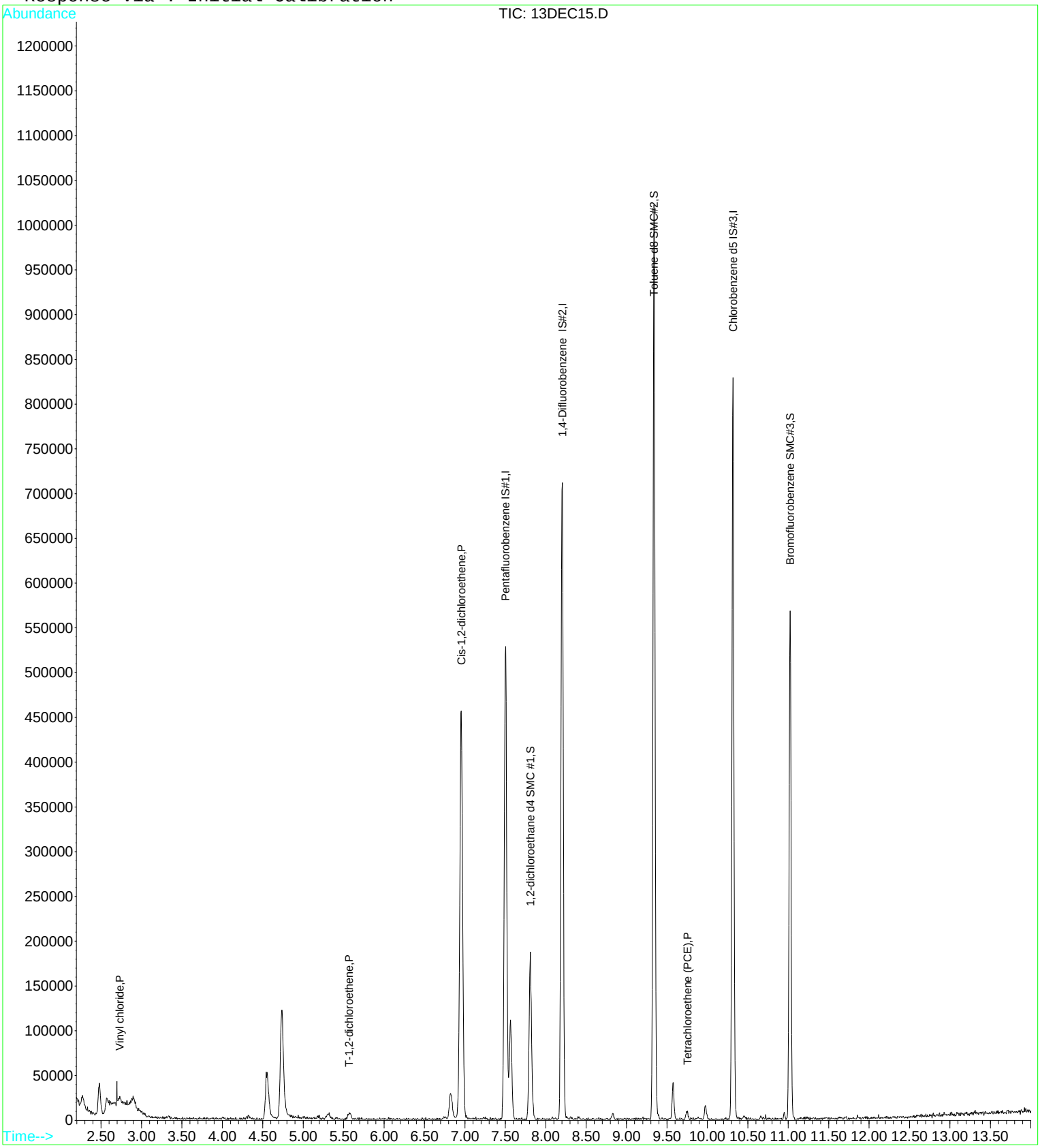
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene IS#1	7.50	137	67740	10.00	ug/L	0.00
26) 1,4-Difluorobenzene IS#2	8.20	63	128229	10.00	ug/L	0.00
41) Chlorobenzene d5 IS#3	10.32	119	159737	10.00	ug/L	0.00
System Monitoring Compounds						
23) 1,2-dichloroethane d4 SMC	7.81	65	145156	10.76	ug/L	0.00
Spiked Amount 10.000	Range 75 - 125		Recovery = 107.60%			
33) Toluene d8 SMC#2	9.34	98	686943	10.20	ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 102.00%			
51) Bromofluorobenzene SMC#3	11.02	95	204862	10.02	ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 100.20%			
Target Compounds						Qvalue
5) Vinyl chloride	2.73	62	9414	0.36	ug/L	# 1
14) T-1,2-dichloroethene	5.57	96	4947	0.20	ug/L	# 62
17) Cis-1,2-dichloroethene	6.95	96	264252	10.54	ug/L	89
37) Tetrachloroethene (PCE)	9.76	166	2734	0.13	ug/L	94

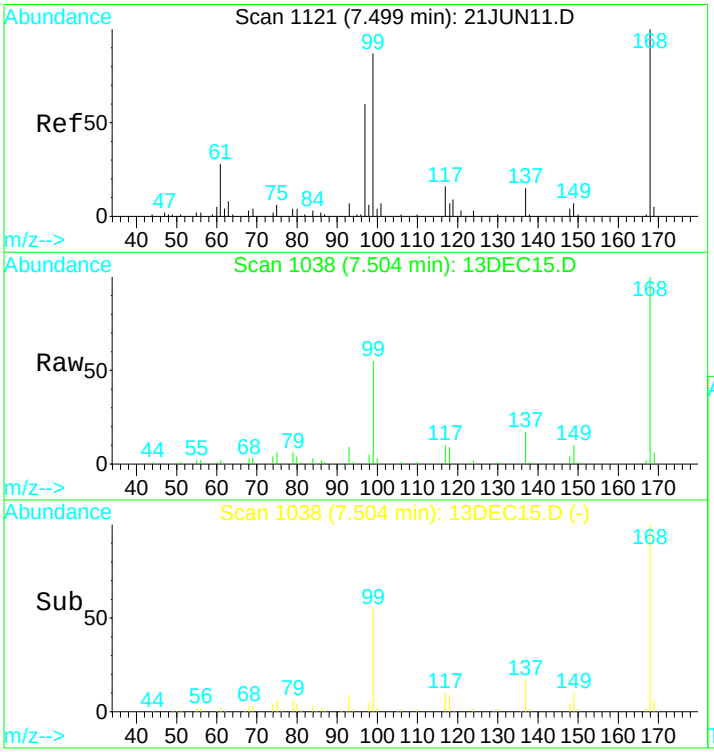
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : D:\DATA\DEC2022C\DEC13\13DEC15.D Vial: 15
Acq On : 13 Dec 2022 11:20 am Operator: mgc
Sample : 2229425-04 Inst : MS-V5
Misc : 1 ;25ML;pH=2 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Dec 14 12:37 2022 Quant Results File: 82605C.RES

Method : C:\HPCHEM\1\METHODS\C\202211\14-1045\82605C.M (RTE Integrator)
Title : EPA Method 8260C/D
Last Update : Thu Nov 17 08:03:26 2022
Response via : Initial Calibration

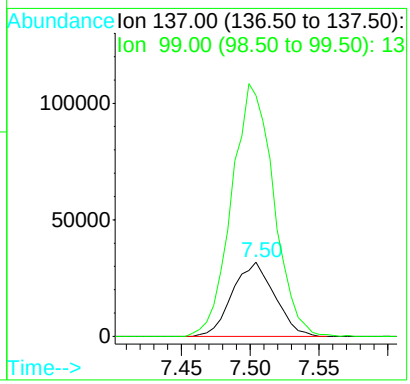


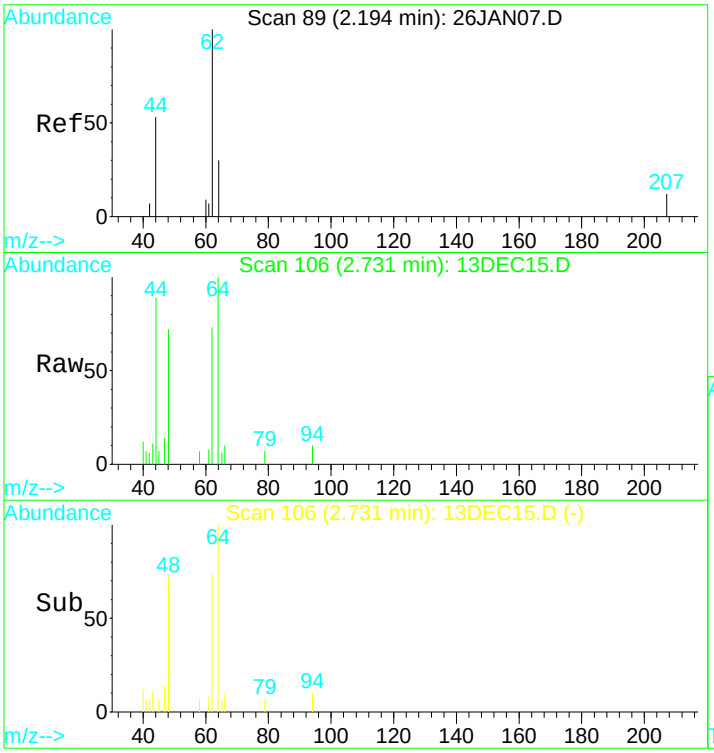


#1
Pentafluorobenzene IS#1
Concen: 10.00 ug/L
RT: 7.50 min Scan# 1038
Delta R.T. 0.00 min
Lab File: 13DEC15.D
Acq: 13 Dec 2022 11:20 am

Tgt Ion:137 Resp: 67740

Ion	Ratio	Lower	Upper
137	100		
99	340.0	1402.2	2604.0#

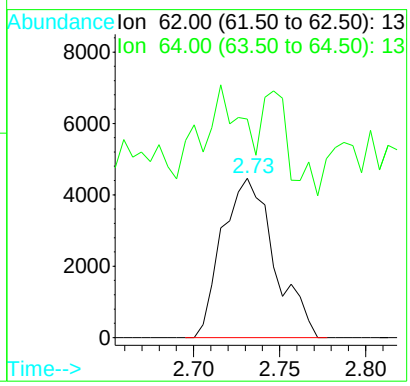


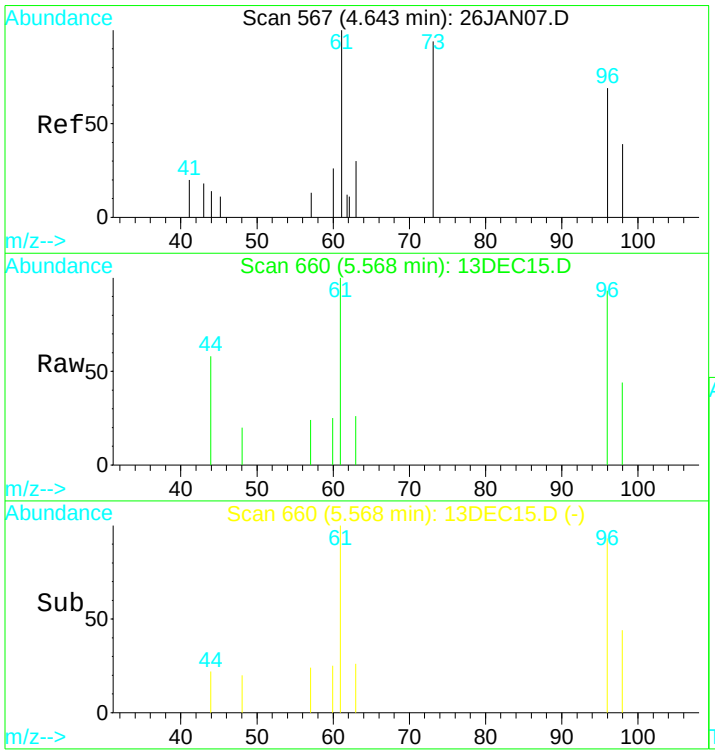


#5
Vinyl chloride
Concen: 0.36 ug/L
RT: 2.73 min Scan# 106
Delta R.T. -0.00 min
Lab File: 13DEC15.D
Acq: 13 Dec 2022 11:20 am

Tgt Ion: 62 Resp: 9414

Ion	Ratio	Lower	Upper
62	100		
64	124.2	22.6	42.0#

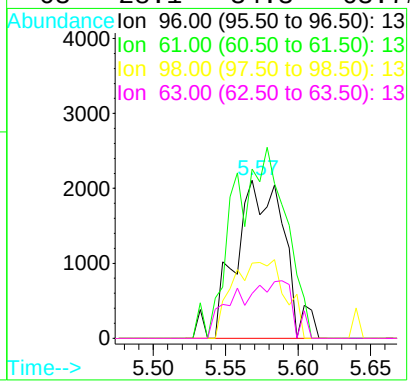


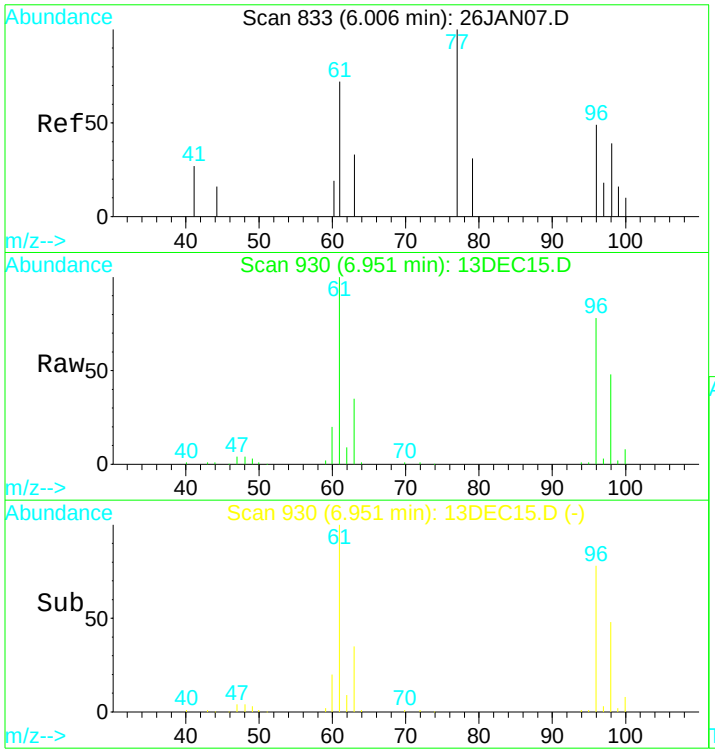


#14
T-1,2-dichloroethene
Concen: 0.20 ug/L
RT: 5.57 min Scan# 660
Delta R.T. -0.01 min
Lab File: 13DEC15.D
Acq: 13 Dec 2022 11:20 am

Tgt Ion: 96 Resp: 4947

Ion	Ratio	Lower	Upper
96	100		
61	84.6	103.9	192.9#
98	52.8	45.3	84.1
63	28.1	34.3	63.7#

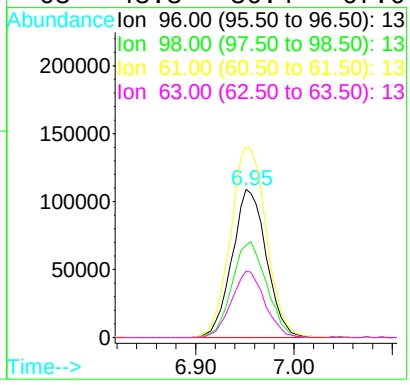


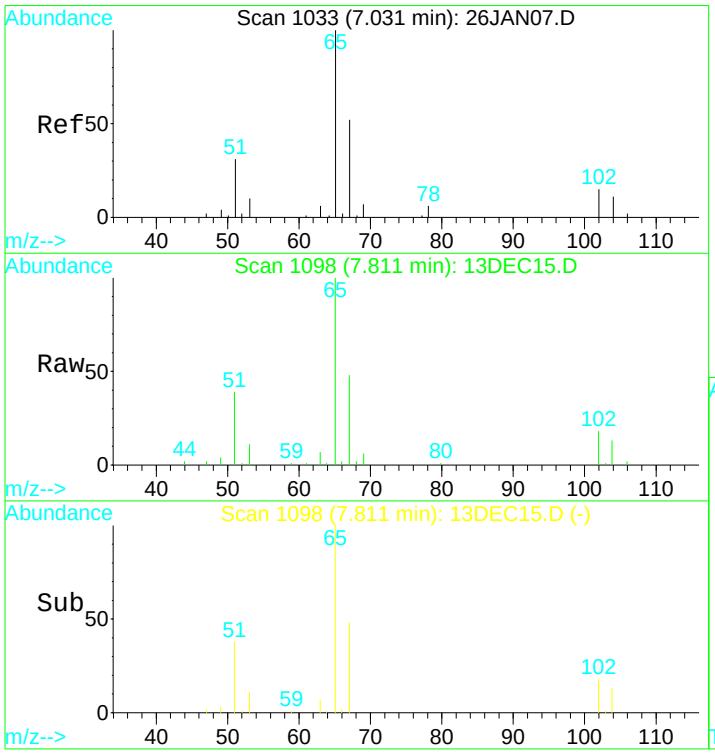


#17
Cis-1,2-dichloroethene
Concen: 10.54 ug/L
RT: 6.95 min Scan# 930
Delta R.T. -0.01 min
Lab File: 13DEC15.D
Acq: 13 Dec 2022 11:20 am

Tgt Ion: 96 Resp: 264252

Ion	Ratio	Lower	Upper
96	100		
98	64.8	45.8	85.2
61	134.1	108.0	200.6
63	43.3	36.4	67.6

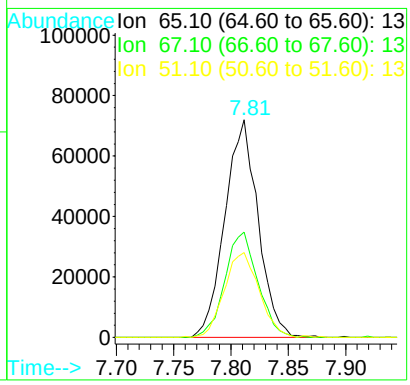


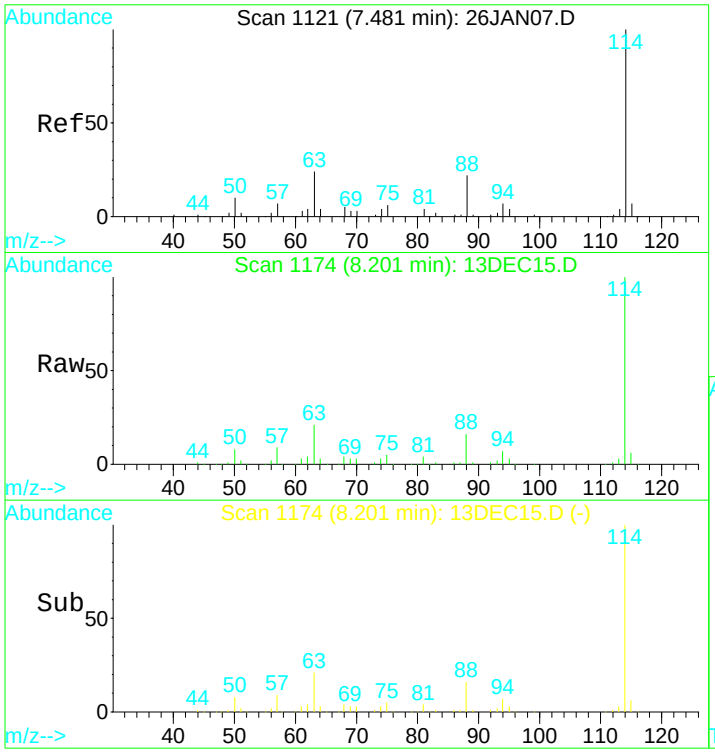


#23
1,2-dichloroethane d4 SMC #1
Concen: N.D. ug/L
RT: 7.81 min Scan# 1098
Delta R.T. -0.00 min
Lab File: 13DEC15.D
Acq: 13 Dec 2022 11:20 am

Tgt Ion: 65 Resp: 145156

Ion	Ratio	Lower	Upper
65	100		
67	48.0	37.7	70.1
51	41.0	511.6	950.2#

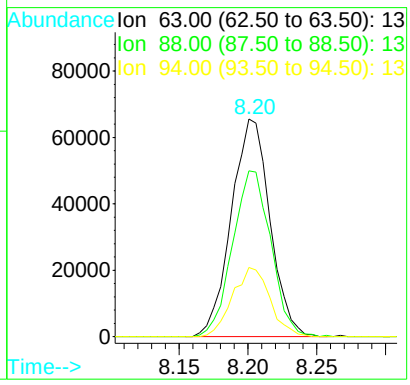


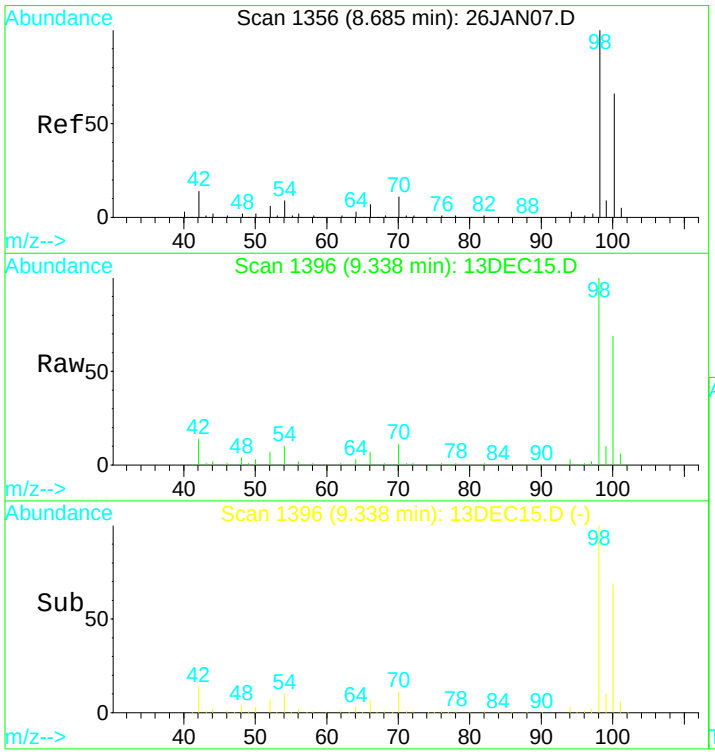


#26
1,4-Difluorobenzene IS#2
Concen: 10.00 ug/L
RT: 8.20 min Scan# 1174
Delta R.T. -0.00 min
Lab File: 13DEC15.D
Acq: 13 Dec 2022 11:20 am

Tgt Ion: 63 Resp: 128229

Ion	Ratio	Lower	Upper
63	100		
88	75.3	52.1	96.7
94	30.6	19.7	36.7

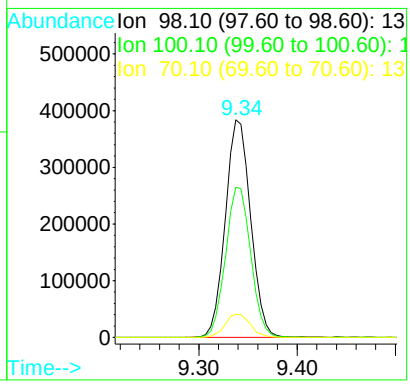


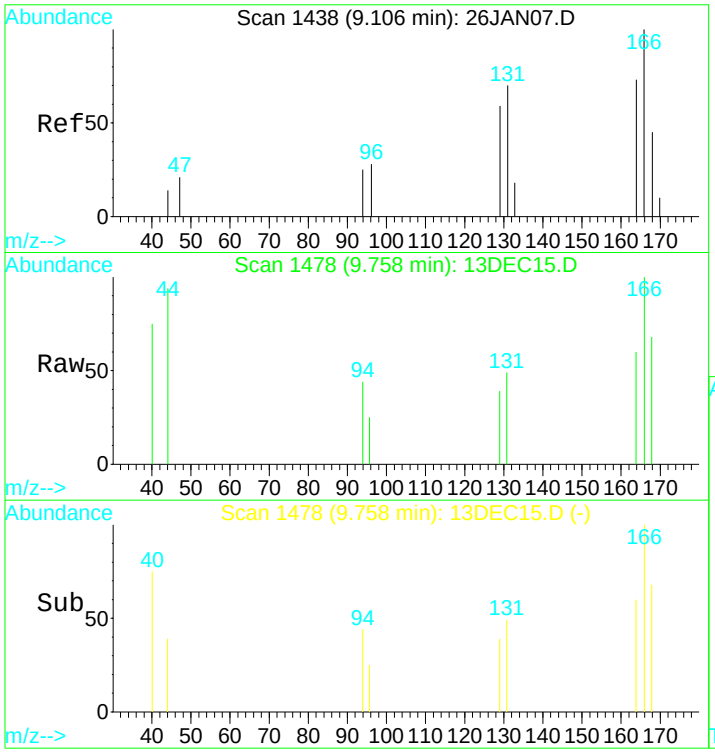


#33
Toluene d8 SMC#2
Concen: Below ug/L
RT: 9.34 min Scan# 1396
Delta R.T. -0.01 min
Lab File: 13DEC15.D
Acq: 13 Dec 2022 11:20 am

Tgt Ion: 98 Resp: 686943

Ion	Ratio	Lower	Upper
98	100		
100	68.5	47.4	88.0
70	10.7	7.7	14.3

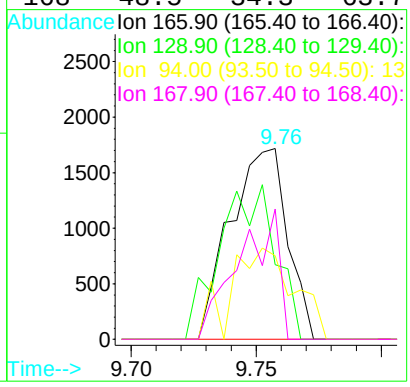


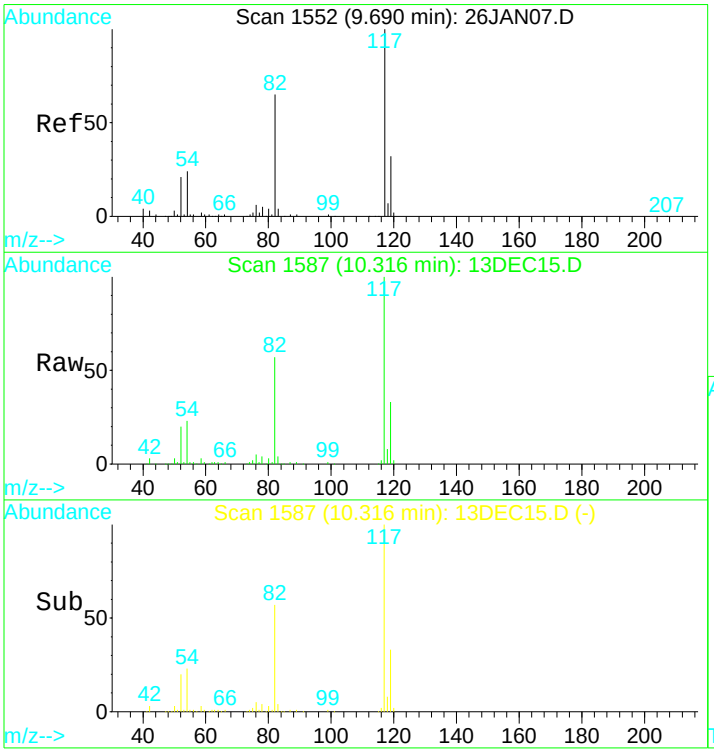


#37
Tetrachloroethene (PCE)
Concen: 0.13 ug/L
RT: 9.76 min Scan# 1478
Delta R.T. 0.01 min
Lab File: 13DEC15.D
Acq: 13 Dec 2022 11:20 am

Tgt Ion:166 Resp: 2734

Ion	Ratio	Lower	Upper
166	100		
129	79.1	53.5	99.5
94	53.3	30.2	56.2
168	48.5	34.3	63.7

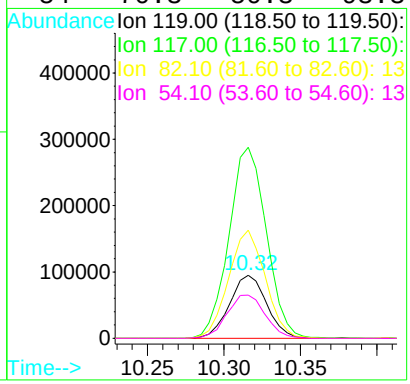


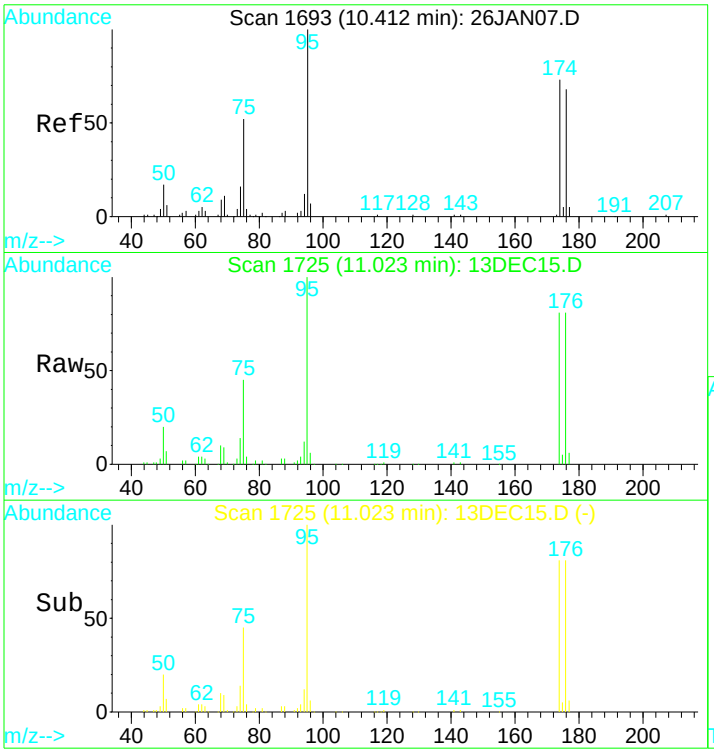


#41
Chlorobenzene d5 IS#3
Concen: 10.00 ug/L
RT: 10.32 min Scan# 1587
Delta R.T. -0.00 min
Lab File: 13DEC15.D
Acq: 13 Dec 2022 11:20 am

Tgt Ion:119 Resp: 159737

Ion	Ratio	Lower	Upper
119	100		
117	306.7	210.3	390.6
82	169.7	119.1	221.3
54	70.3	50.3	93.3

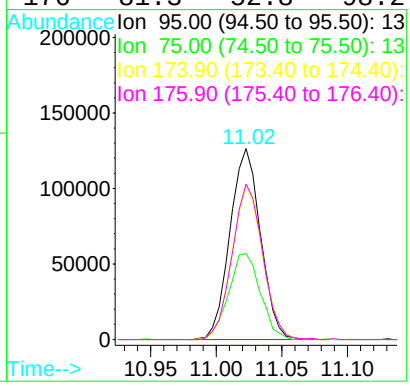




#51
Bromofluorobenzene SMC#3
Concen: N.D. ug/L
RT: 11.02 min Scan# 1725
Delta R.T. -0.00 min
Lab File: 13DEC15.D
Acq: 13 Dec 2022 11:20 am

Tgt Ion: 95 Resp: 204862

Ion	Ratio	Lower	Upper
95	100		
75	47.0	31.7	58.9
174	80.7	54.2	100.6
176	81.3	52.8	98.2



Quantitation Report (QT Reviewed)

Data File : D:\DATA\DEC2022C\DEC13\13DEC15.D Vial: 15
Acq On : 13 Dec 2022 11:20 am Operator: mgc
Sample : 2229425-04 Inst : MS-V5
Misc : 1 ;25ML;pH=2 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Dec 14 12:48 2022 Quant Results File: 82605CX.RES

Quant Method : C:\HPCHEM\1...\82605CX.M (RTE Integrator)
Title : EPA Method 8260C/DX
Last Update : Thu Dec 01 09:35:24 2022
Response via : Initial Calibration
DataAcq Meth : 82605

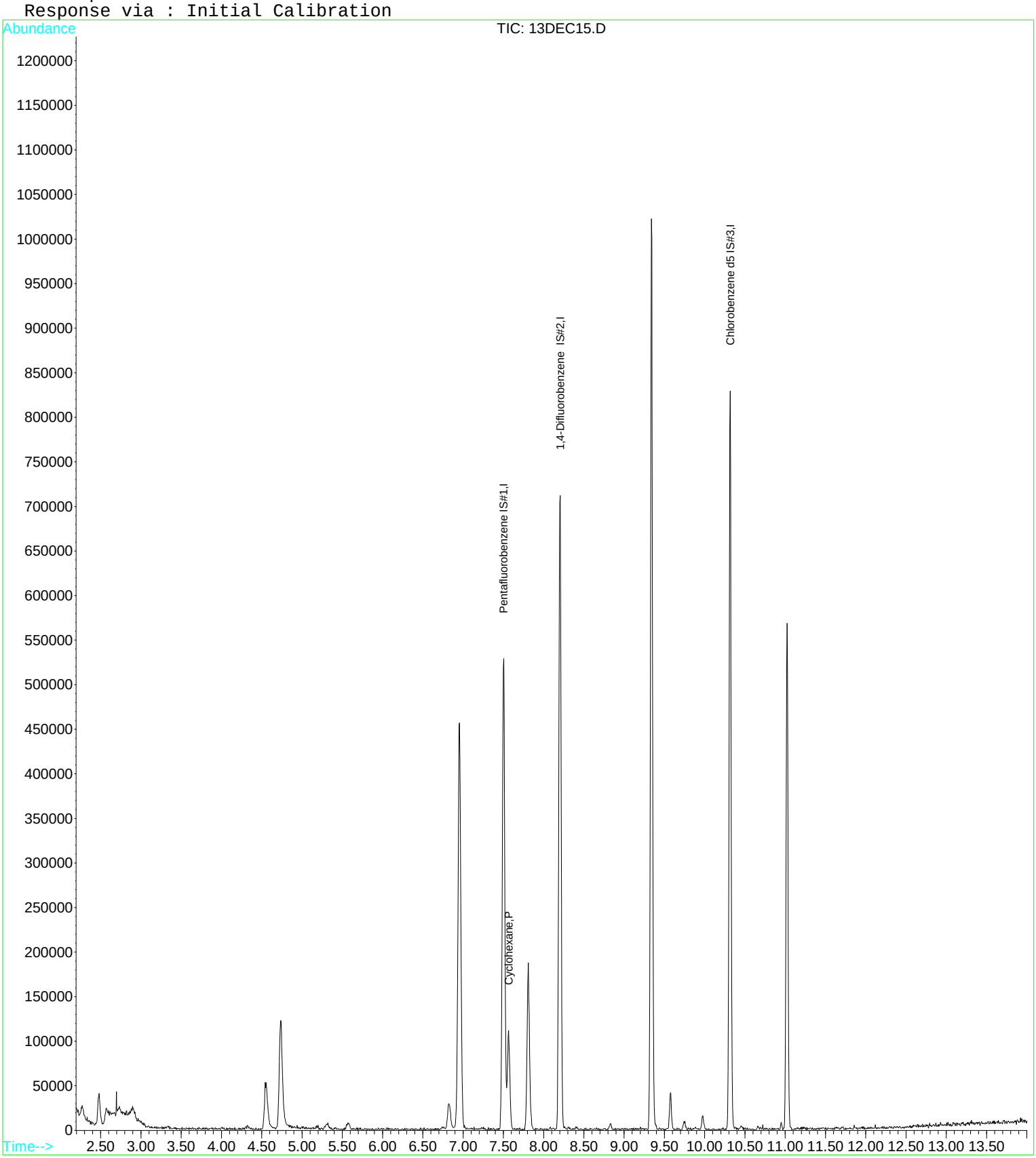
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene IS#1	7.50	137	67740	10.00	ug/L	0.00
29) 1,4-Difluorobenzene IS#2	8.20	63	128229	10.00	ug/L	0.00
36) Chlorobenzene d5 IS#3	10.32	119	159737	10.00	ug/L	0.00
Target Compounds						Qvalue
27) Cyclohexane	7.57	56	62724	1.46	ug/L	96

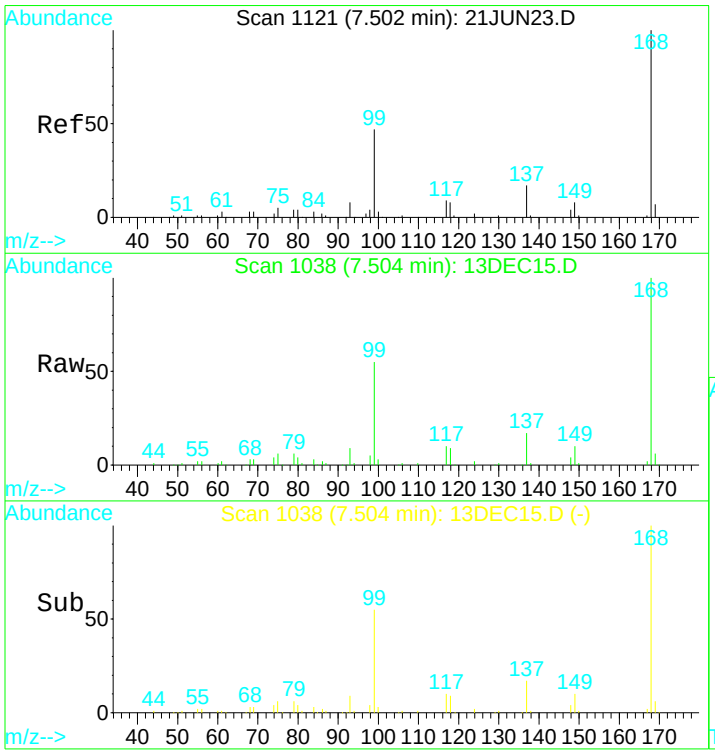
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : D:\DATA\DEC2022C\DEC13\13DEC15.D Vial: 15
Acq On : 13 Dec 2022 11:20 am Operator: mgc
Sample : 2229425-04 Inst : MS-V5
Misc : 1 ;25ML;pH=2 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Dec 14 12:48 2022 Quant Results File: 82605CX.RES

Method : C:\HPCHEM\1\METHODS\C\202210\16-1301\82605CX.M (RTE Integrator)
Title : EPA Method 8260C/DX
Last Update : Thu Dec 01 09:35:24 2022
Response via : Initial Calibration

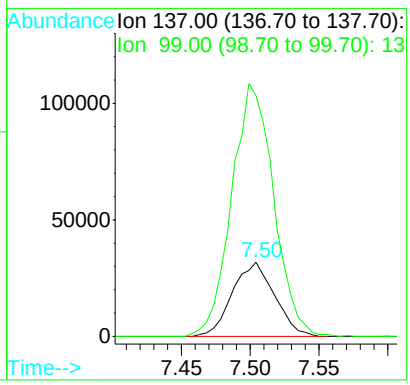


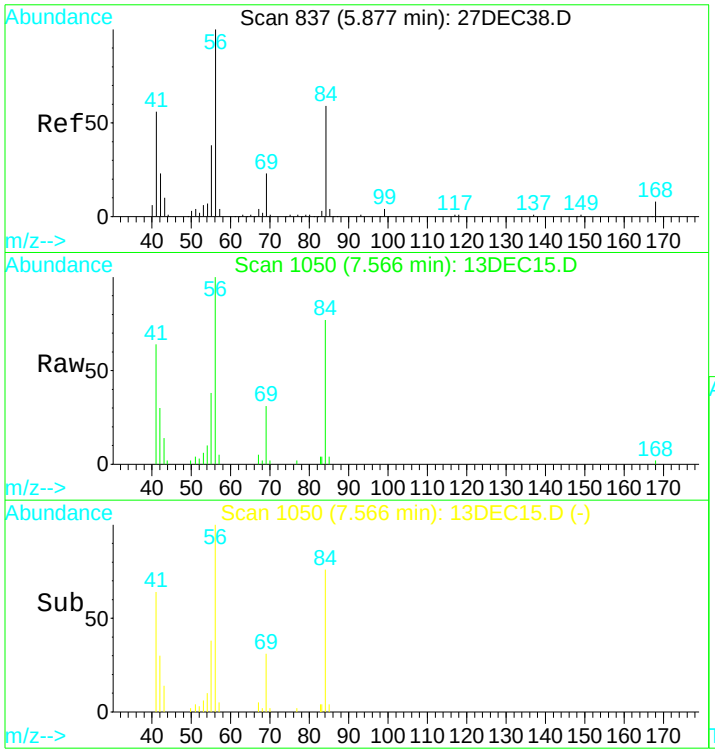


#1
Pentafluorobenzene IS#1
Concen: 10.00 ug/L
RT: 7.50 min Scan# 1038
Delta R.T. 0.00 min
Lab File: 13DEC15.D
Acq: 13 Dec 2022 11:20 am

Tgt Ion:137 Resp: 67740

Ion	Ratio	Lower	Upper
137	100		
99	340.0	241.0	447.6

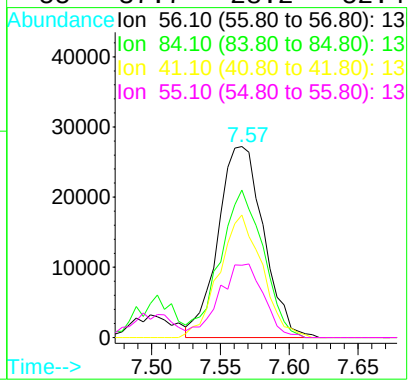


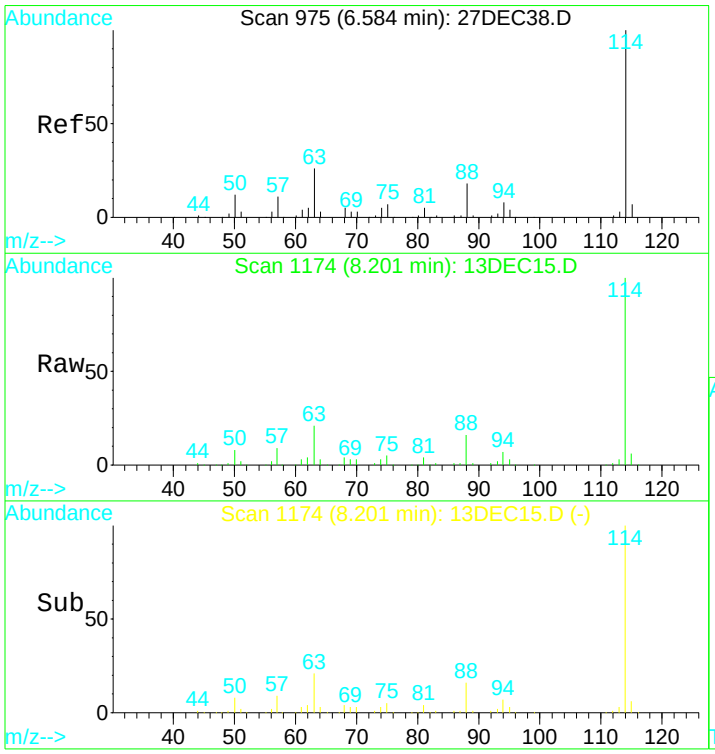


#27
Cyclohexane
Concen: 1.46 ug/L
RT: 7.57 min Scan# 1050
Delta R.T. 0.00 min
Lab File: 13DEC15.D
Acq: 13 Dec 2022 11:20 am

Tgt Ion: 56 Resp: 62724

Ion	Ratio	Lower	Upper
56	100		
84	73.4	54.5	101.3
41	60.2	40.9	75.9
55	37.7	28.2	52.4

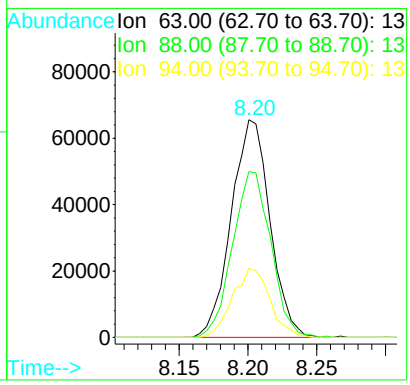


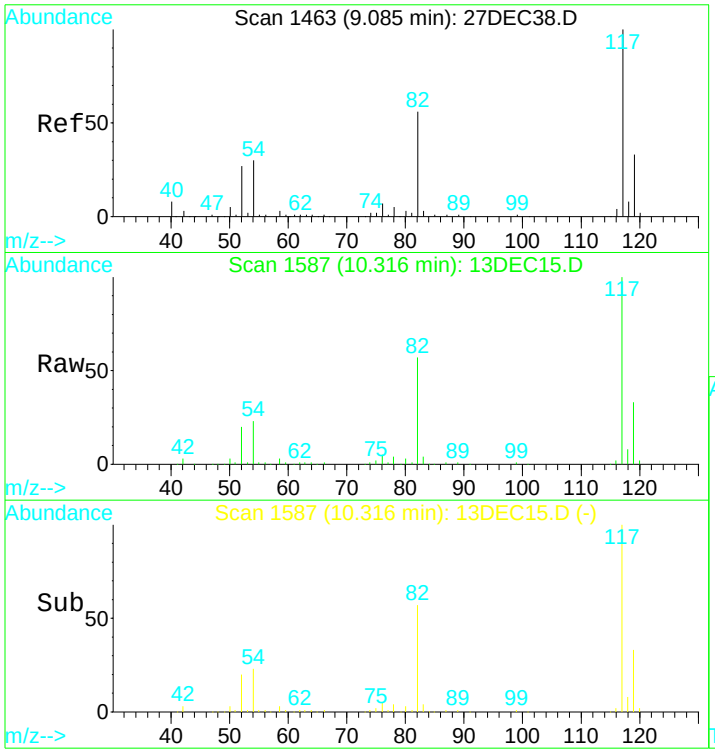


#29
1,4-Difluorobenzene IS#2
Concen: 10.00 ug/L
RT: 8.20 min Scan# 1174
Delta R.T. -0.00 min
Lab File: 13DEC15.D
Acq: 13 Dec 2022 11:20 am

Tgt Ion: 63 Resp: 128229

Ion	Ratio	Lower	Upper
63	100		
88	75.3	54.9	102.1
94	30.6	21.0	39.0

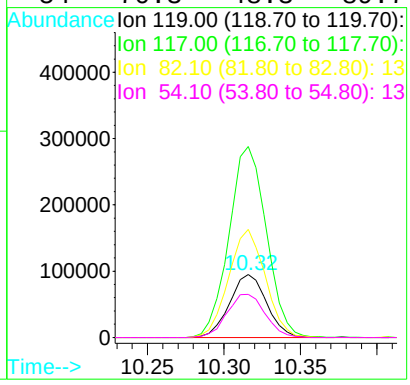




#36
Chlorobenzene d5 IS#3
Concen: 10.00 ug/L
RT: 10.32 min Scan# 1587
Delta R.T. 0.00 min
Lab File: 13DEC15.D
Acq: 13 Dec 2022 11:20 am

Tgt Ion:119 Resp: 159737

Ion	Ratio	Lower	Upper
119	100		
117	306.7	215.7	400.5
82	169.7	118.3	219.7
54	70.3	48.3	89.7



Quantitation Report (QT Reviewed)

Data File : D:\DATA\DEC2022C\DEC13\13DEC16.D Vial: 16
Acq On : 13 Dec 2022 11:44 am Operator: mgc
Sample : 2229425-05 Inst : MS-V5
Misc : 1 ;25ML;pH=2 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Dec 14 12:37 2022 Quant Results File: 82605C.RES

Quant Method : C:\HPCHEM\1...\82605C.M (RTE Integrator)
Title : EPA Method 8260C/D
Last Update : Thu Nov 17 08:03:26 2022
Response via : Initial Calibration
DataAcq Meth : 82605

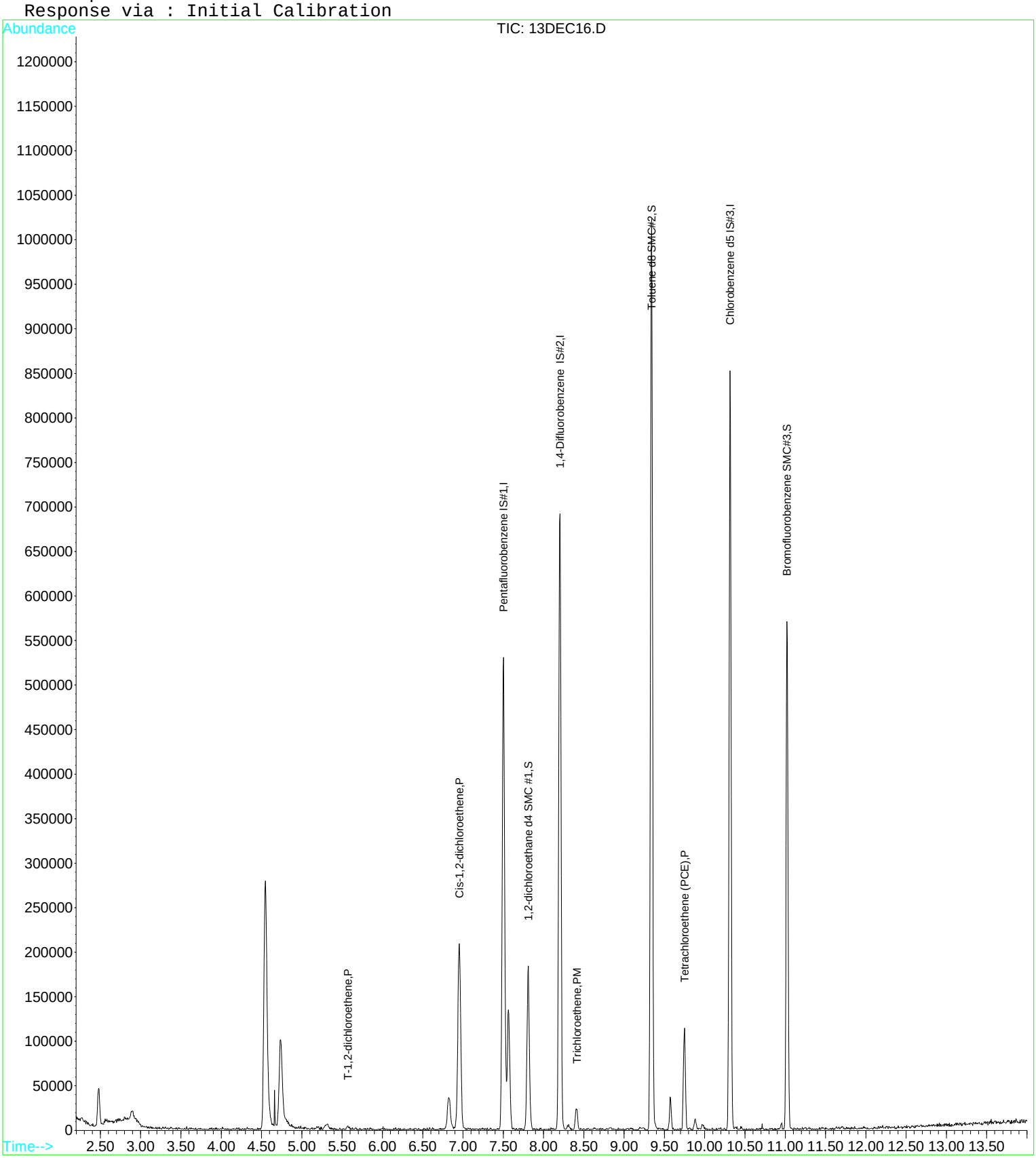
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene IS#1	7.50	137	67867	10.00	ug/L	0.00
26) 1,4-Difluorobenzene IS#2	8.20	63	127604	10.00	ug/L	0.00
41) Chlorobenzene d5 IS#3	10.31	119	153749	10.00	ug/L	0.00
System Monitoring Compounds						
23) 1,2-dichloroethane d4 SMC	7.81	65	141260	10.45	ug/L	0.00
Spiked Amount 10.000	Range 75 - 125		Recovery = 104.50%			
33) Toluene d8 SMC#2	9.34	98	681770	10.18	ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 101.80%			
51) Bromofluorobenzene SMC#3	11.02	95	204004	10.37	ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 103.70%			
Target Compounds						Qvalue
14) T-1,2-dichloroethene	5.58	96	2030	0.08	ug/L #	78
17) Cis-1,2-dichloroethene	6.95	96	120349	4.79	ug/L	88
27) Trichloroethene	8.41	130	8651	0.39	ug/L	89
37) Tetrachloroethene (PCE)	9.75	166	35451	1.74	ug/L	94

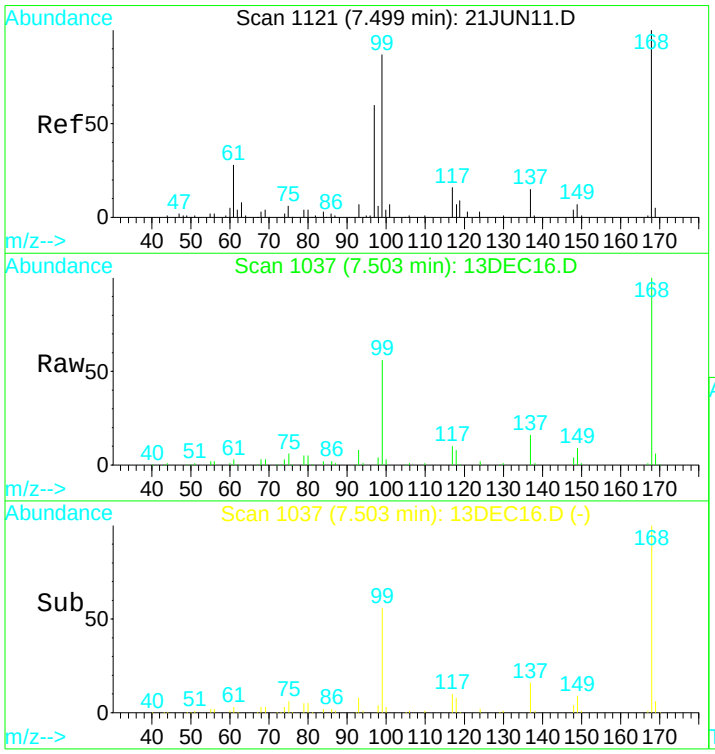
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : D:\DATA\DEC2022C\DEC13\13DEC16.D Vial: 16
Acq On : 13 Dec 2022 11:44 am Operator: mgc
Sample : 2229425-05 Inst : MS-V5
Misc : 1 ;25ML;pH=2 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Dec 14 12:37 2022 Quant Results File: 82605C.RES

Method : C:\HPCHEM\1\METHODS\C\202211\14-1045\82605C.M (RTE Integrator)
Title : EPA Method 8260C/D
Last Update : Thu Nov 17 08:03:26 2022
Response via : Initial Calibration

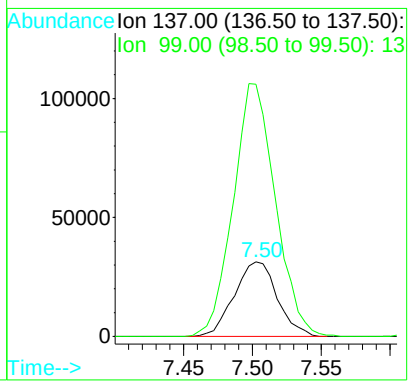


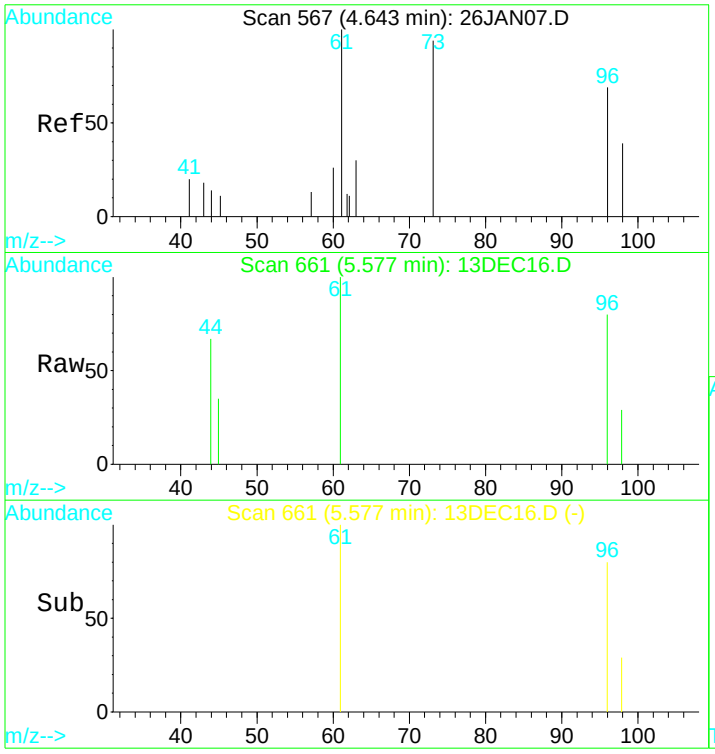


#1
Pentafluorobenzene IS#1
Concen: 10.00 ug/L
RT: 7.50 min Scan# 1037
Delta R.T. 0.00 min
Lab File: 13DEC16.D
Acq: 13 Dec 2022 11:44 am

Tgt Ion:137 Resp: 67867

Ion	Ratio	Lower	Upper
137	100		
99	334.1	1402.2	2604.0#

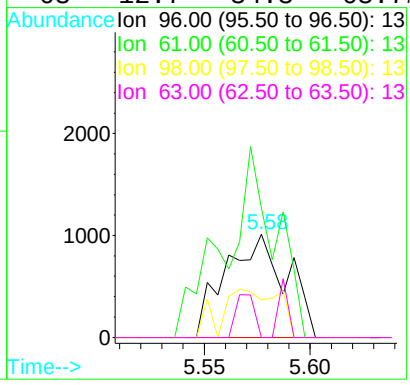


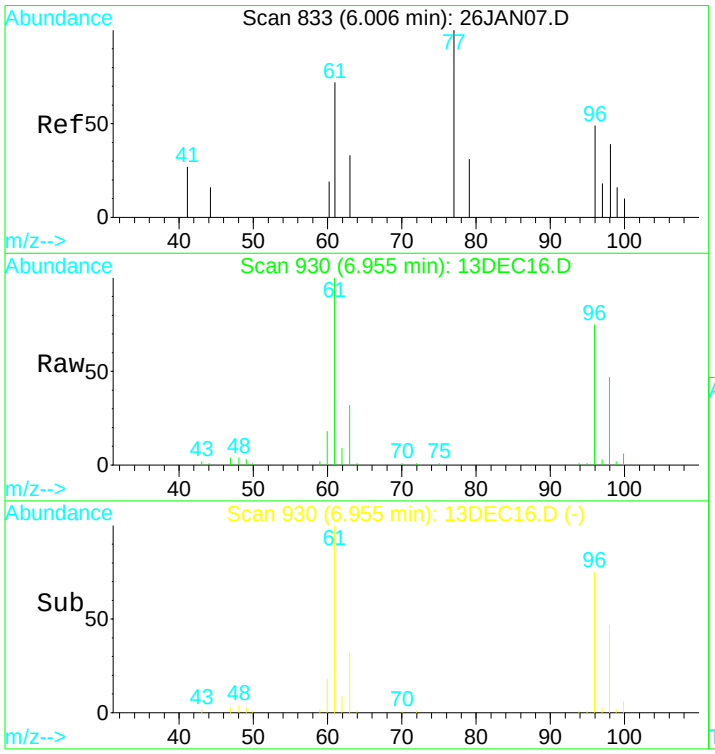


#14
T-1,2-dichloroethene
Concen: 0.08 ug/L
RT: 5.58 min Scan# 661
Delta R.T. 0.00 min
Lab File: 13DEC16.D
Acq: 13 Dec 2022 11:44 am

Tgt Ion: 96 Resp: 2030

Ion	Ratio	Lower	Upper
96	100		
61	159.9	103.9	192.9
98	44.0	45.3	84.1#
63	12.7	34.3	63.7#

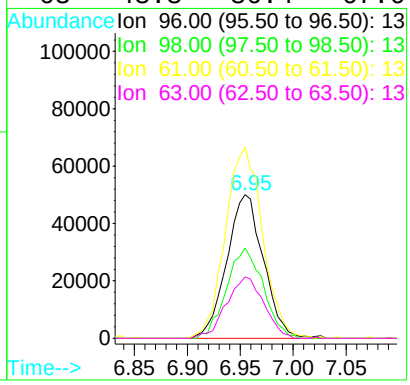


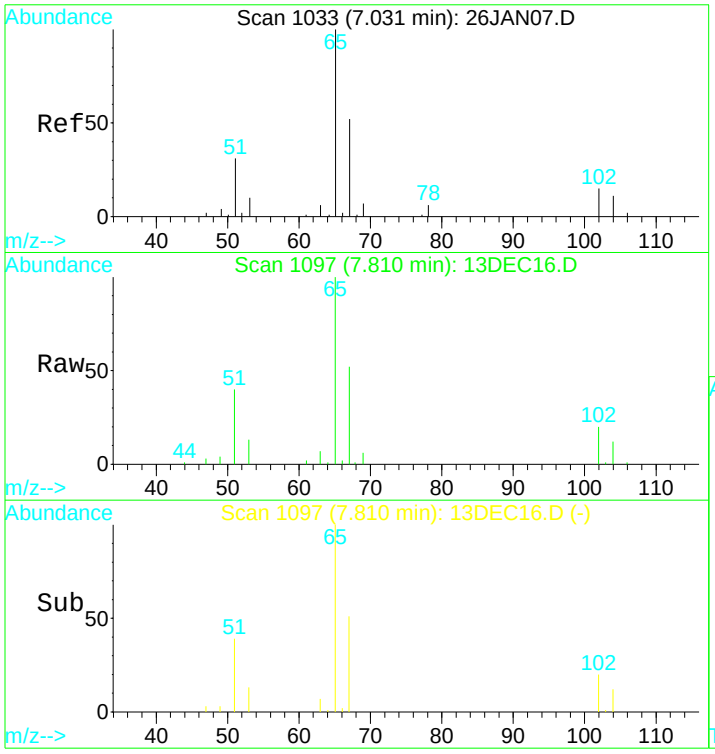


#17
Cis-1,2-dichloroethene
Concen: 4.79 ug/L
RT: 6.95 min Scan# 930
Delta R.T. -0.00 min
Lab File: 13DEC16.D
Acq: 13 Dec 2022 11:44 am

Tgt Ion: 96 Resp: 120349

Ion	Ratio	Lower	Upper
96	100		
98	62.5	45.8	85.2
61	135.4	108.0	200.6
63	43.3	36.4	67.6

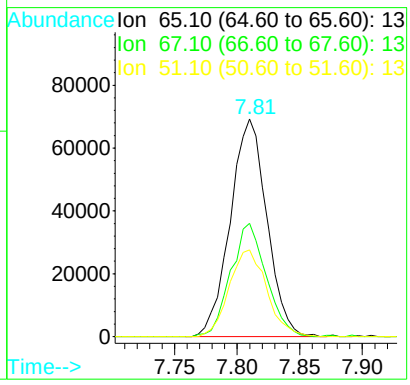


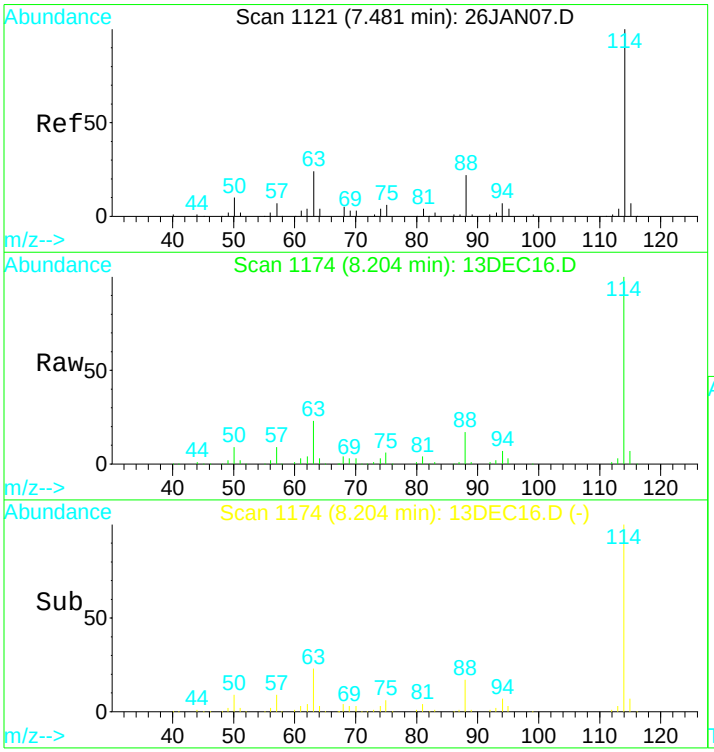


#23
1,2-dichloroethane d4 SMC #1
Concen: N.D. ug/L
RT: 7.81 min Scan# 1097
Delta R.T. -0.00 min
Lab File: 13DEC16.D
Acq: 13 Dec 2022 11:44 am

Tgt Ion: 65 Resp: 141260

Ion	Ratio	Lower	Upper
65	100		
67	50.4	37.7	70.1
51	40.9	511.6	950.2#

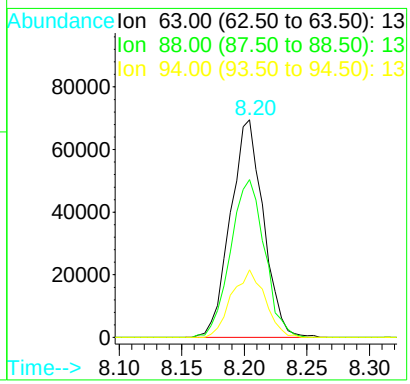


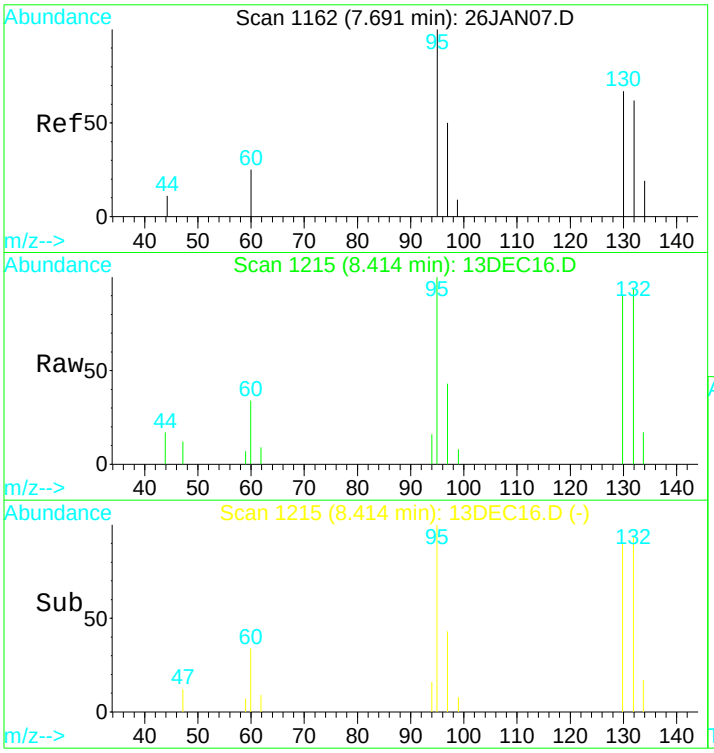


#26
1,4-Difluorobenzene IS#2
Concen: 10.00 ug/L
RT: 8.20 min Scan# 1174
Delta R.T. 0.00 min
Lab File: 13DEC16.D
Acq: 13 Dec 2022 11:44 am

Tgt Ion: 63 Resp: 127604

Ion	Ratio	Lower	Upper
63	100		
88	74.8	52.1	96.7
94	31.3	19.7	36.7

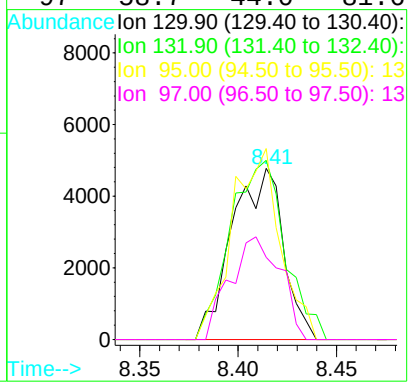


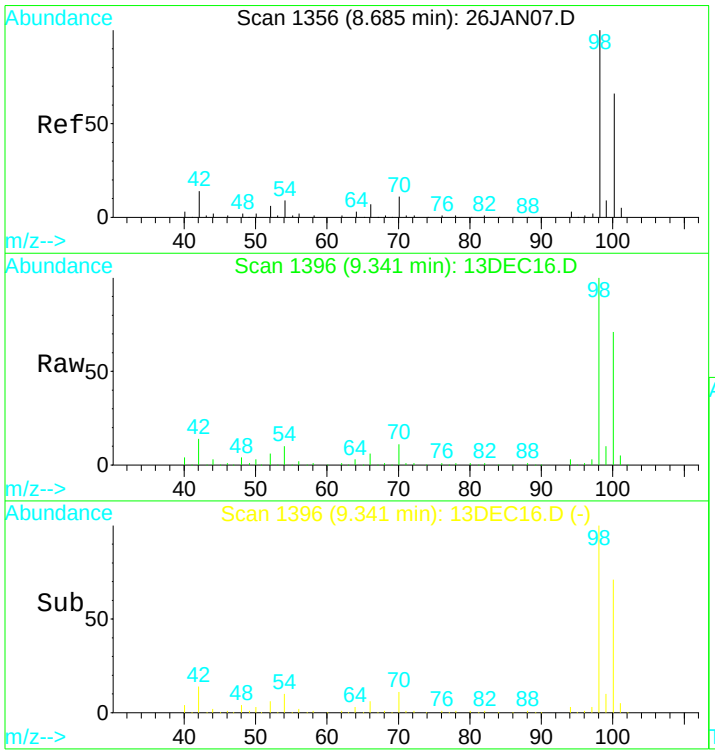


#27
Trichloroethene
Concen: 0.39 ug/L
RT: 8.41 min Scan# 1215
Delta R.T. 0.00 min
Lab File: 13DEC16.D
Acq: 13 Dec 2022 11:44 am

Tgt Ion:130 Resp: 8651

Ion	Ratio	Lower	Upper
130	100		
132	112.0	67.3	124.9
95	106.0	67.0	124.4
97	58.7	44.0	81.6

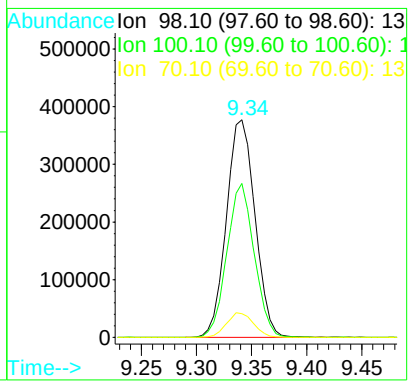


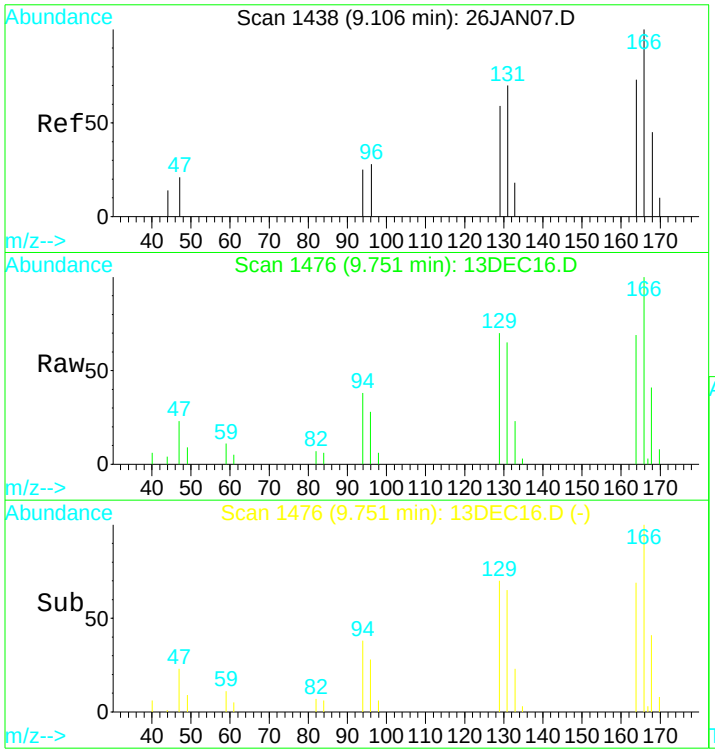


#33
Toluene d8 SMC#2
Concen: Below ug/L
RT: 9.34 min Scan# 1396
Delta R.T. -0.00 min
Lab File: 13DEC16.D
Acq: 13 Dec 2022 11:44 am

Tgt Ion: 98 Resp: 681770

Ion	Ratio	Lower	Upper
98	100		
100	67.5	47.4	88.0
70	10.8	7.7	14.3

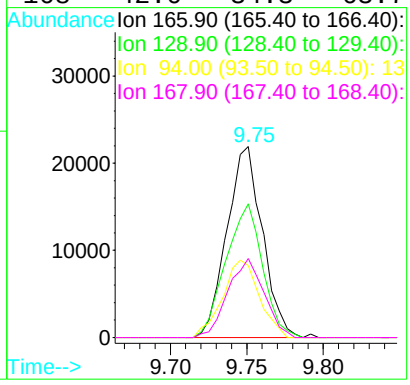


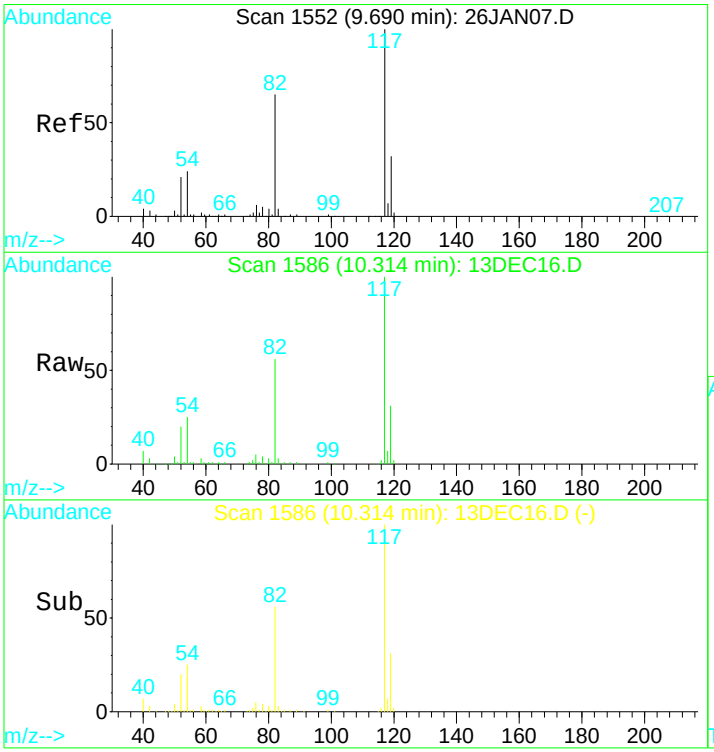


#37
Tetrachloroethene (PCE)
Concen: 1.74 ug/L
RT: 9.75 min Scan# 1476
Delta R.T. 0.00 min
Lab File: 13DEC16.D
Acq: 13 Dec 2022 11:44 am

Tgt Ion:166 Resp: 35451

Ion	Ratio	Lower	Upper
166	100		
129	72.2	53.5	99.5
94	42.2	30.2	56.2
168	42.0	34.3	63.7

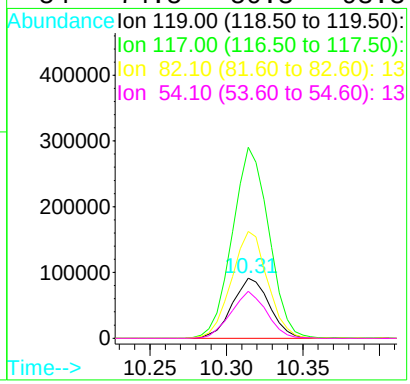


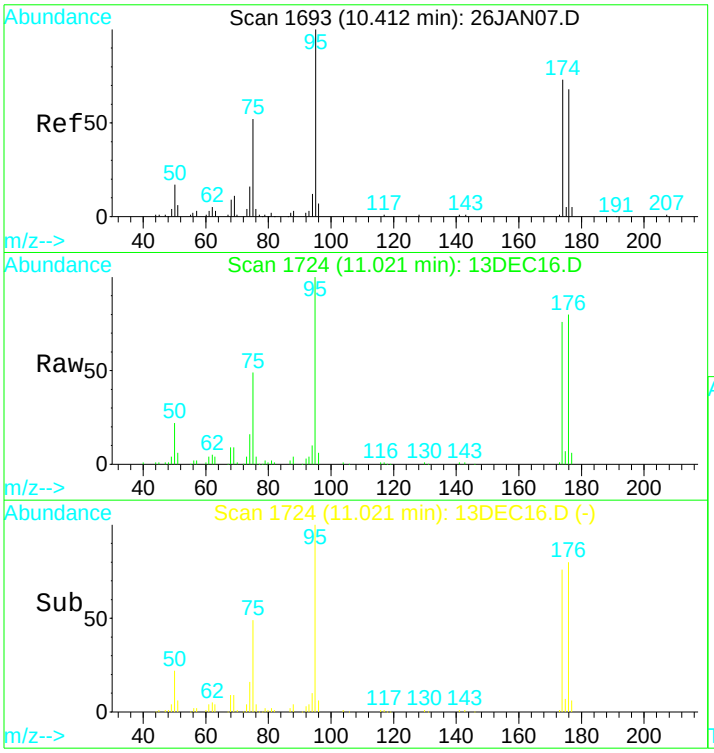


#41
Chlorobenzene d5 IS#3
Concen: 10.00 ug/L
RT: 10.31 min Scan# 1586
Delta R.T. -0.00 min
Lab File: 13DEC16.D
Acq: 13 Dec 2022 11:44 am

Tgt Ion:119 Resp: 153749

Ion	Ratio	Lower	Upper
119	100		
117	313.9	210.3	390.6
82	172.9	119.1	221.3
54	74.5	50.3	93.3

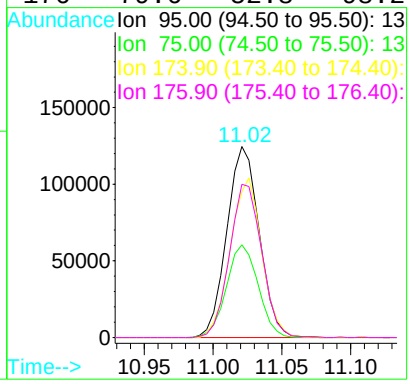




#51
Bromofluorobenzene SMC#3
Concen: N.D. ug/L
RT: 11.02 min Scan# 1724
Delta R.T. -0.00 min
Lab File: 13DEC16.D
Acq: 13 Dec 2022 11:44 am

Tgt Ion: 95 Resp: 204004

Ion	Ratio	Lower	Upper
95	100		
75	47.5	31.7	58.9
174	81.1	54.2	100.6
176	79.6	52.8	98.2



Quantitation Report (QT Reviewed)

Data File : D:\DATA\DEC2022C\DEC13\13DEC16.D Vial: 16
Acq On : 13 Dec 2022 11:44 am Operator: mgc
Sample : 2229425-05 Inst : MS-V5
Misc : 1 ;25ML;pH=2 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Dec 14 12:49 2022 Quant Results File: 82605CX.RES

Quant Method : C:\HPCHEM\1...\82605CX.M (RTE Integrator)
Title : EPA Method 8260C/DX
Last Update : Thu Dec 01 09:35:24 2022
Response via : Initial Calibration
DataAcq Meth : 82605

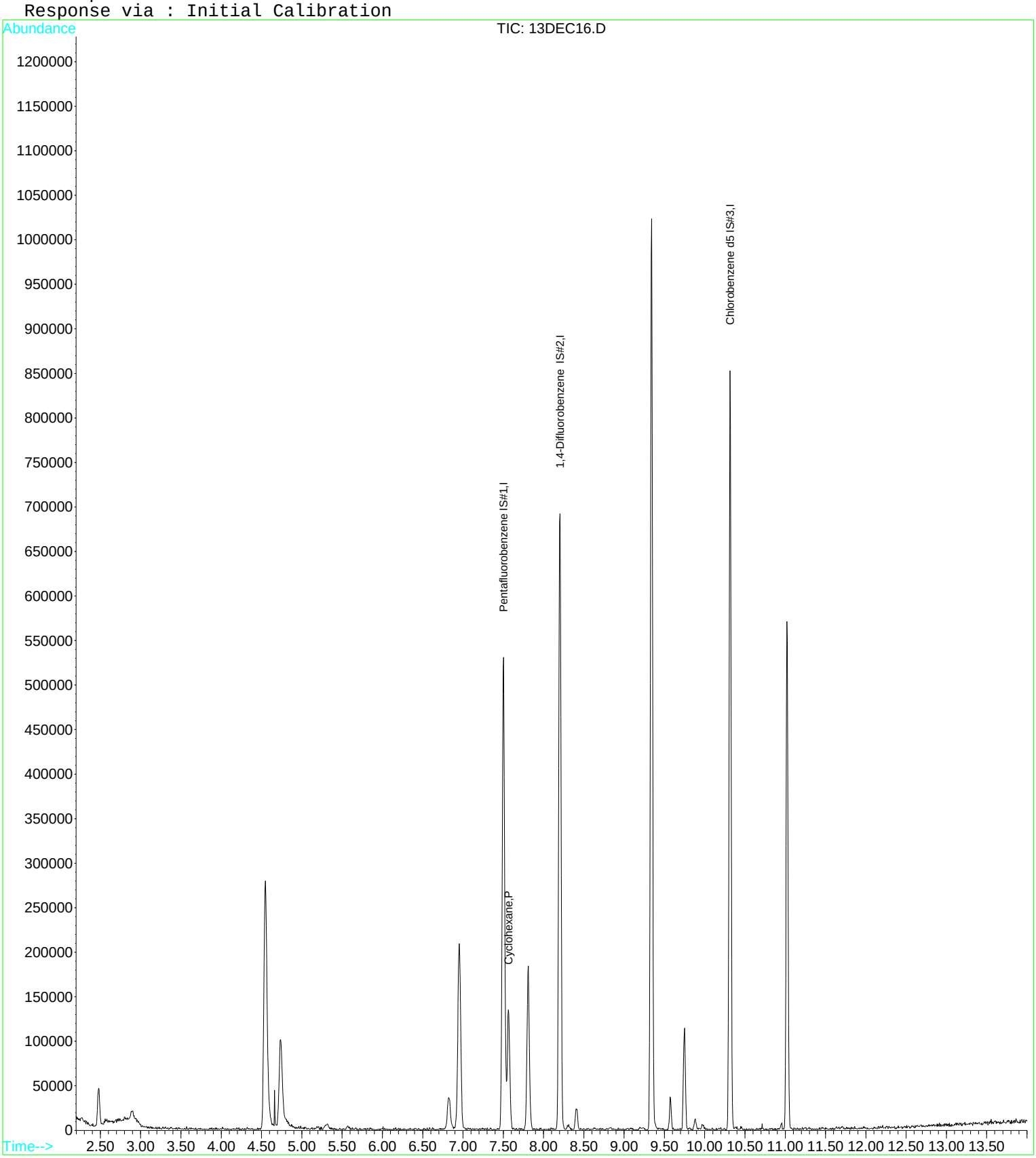
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene IS#1	7.50	137	67867	10.00	ug/L	0.00
29) 1,4-Difluorobenzene IS#2	8.20	63	127604	10.00	ug/L	0.00
36) Chlorobenzene d5 IS#3	10.31	119	153749	10.00	ug/L	0.00
Target Compounds						Qvalue
27) Cyclohexane	7.56	56	75270	1.75	ug/L	98

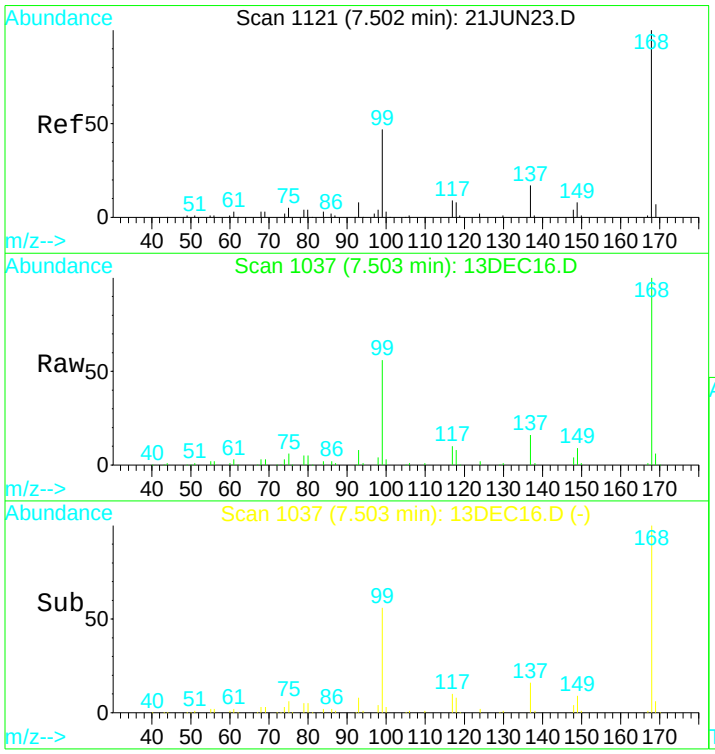
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : D:\DATA\DEC2022C\DEC13\13DEC16.D Vial: 16
Acq On : 13 Dec 2022 11:44 am Operator: mgc
Sample : 2229425-05 Inst : MS-V5
Misc : 1 ;25ML;pH=2 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Dec 14 12:49 2022 Quant Results File: 82605CX.RES

Method : C:\HPCHEM\1\METHODS\C\202210\16-1301\82605CX.M (RTE Integrator)
Title : EPA Method 8260C/DX
Last Update : Thu Dec 01 09:35:24 2022
Response via : Initial Calibration

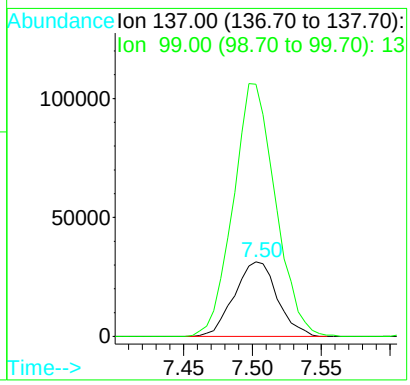


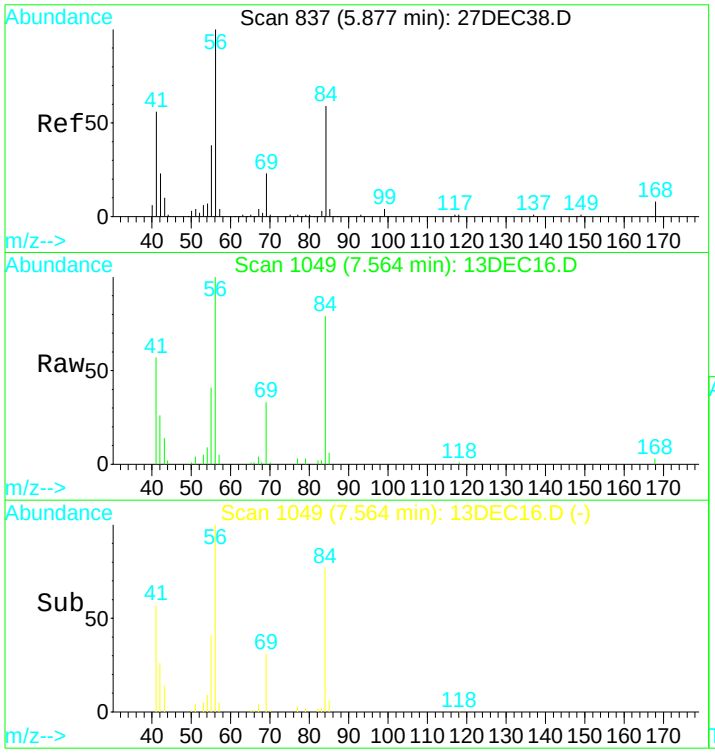


#1
Pentafluorobenzene IS#1
Concen: 10.00 ug/L
RT: 7.50 min Scan# 1037
Delta R.T. -0.00 min
Lab File: 13DEC16.D
Acq: 13 Dec 2022 11:44 am

Tgt Ion:137 Resp: 67867

Ion	Ratio	Lower	Upper
137	100		
99	334.1	241.0	447.6

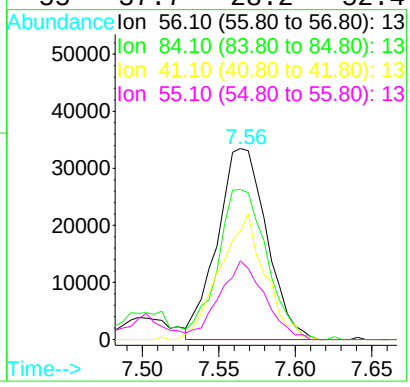


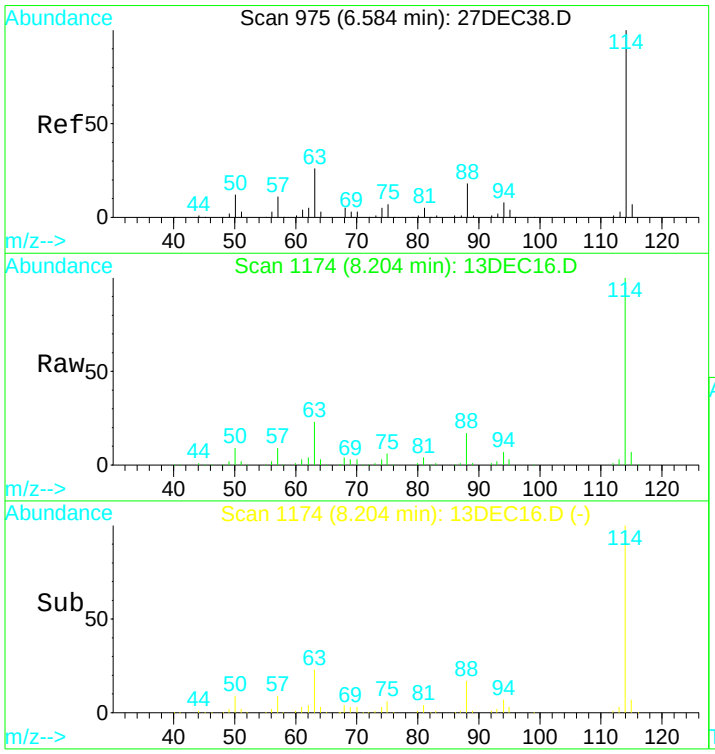


#27
Cyclohexane
Concen: 1.75 ug/L
RT: 7.56 min Scan# 1049
Delta R.T. -0.00 min
Lab File: 13DEC16.D
Acq: 13 Dec 2022 11:44 am

Tgt Ion: 56 Resp: 75270

Ion	Ratio	Lower	Upper
56	100		
84	77.7	54.5	101.3
41	59.9	40.9	75.9
55	37.7	28.2	52.4

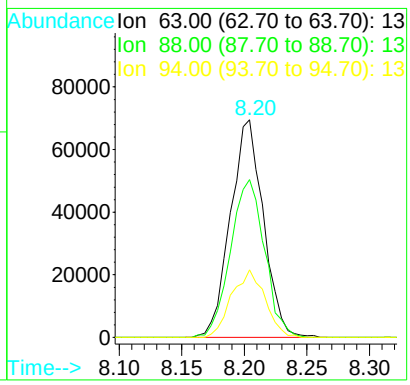


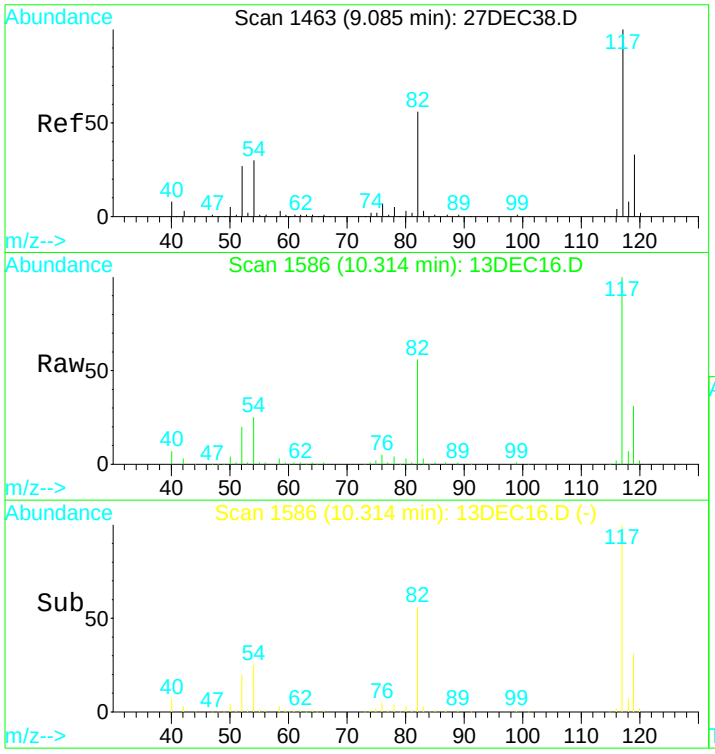


#29
1,4-Difluorobenzene IS#2
Concen: 10.00 ug/L
RT: 8.20 min Scan# 1174
Delta R.T. -0.00 min
Lab File: 13DEC16.D
Acq: 13 Dec 2022 11:44 am

Tgt Ion: 63 Resp: 127604

Ion	Ratio	Lower	Upper
63	100		
88	74.8	54.9	102.1
94	31.3	21.0	39.0

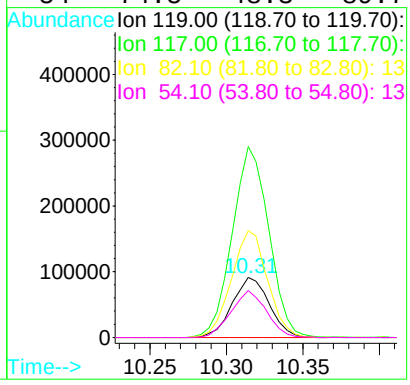




#36
Chlorobenzene d5 IS#3
Concen: 10.00 ug/L
RT: 10.31 min Scan# 1586
Delta R.T. -0.00 min
Lab File: 13DEC16.D
Acq: 13 Dec 2022 11:44 am

Tgt Ion:119 Resp: 153749

Ion	Ratio	Lower	Upper
119	100		
117	313.9	215.7	400.5
82	172.9	118.3	219.7
54	74.5	48.3	89.7



Quantitation Report (QT Reviewed)

Data File : D:\DATA\DEC2022C\DEC13\13DEC17.D Vial: 17
Acq On : 13 Dec 2022 12:08 pm Operator: mgc
Sample : 2229425-06 Inst : MS-V5
Misc : 1 ;25ML;pH=2 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Dec 14 12:37 2022 Quant Results File: 82605C.RES

Quant Method : C:\HPCHEM\1...\82605C.M (RTE Integrator)
Title : EPA Method 8260C/D
Last Update : Thu Nov 17 08:03:26 2022
Response via : Initial Calibration
DataAcq Meth : 82605

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene IS#1	7.50	137	68357	10.00	ug/L	0.00
26) 1,4-Difluorobenzene IS#2	8.20	63	128291	10.00	ug/L	0.00
41) Chlorobenzene d5 IS#3	10.32	119	155359	10.00	ug/L	0.00
System Monitoring Compounds						
23) 1,2-dichloroethane d4 SMC	7.81	65	146040	10.73	ug/L	0.00
Spiked Amount 10.000	Range 75 - 125		Recovery = 107.30%			
33) Toluene d8 SMC#2	9.34	98	683249	10.14	ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 101.40%			
51) Bromofluorobenzene SMC#3	11.02	95	195305	9.83	ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 98.30%			

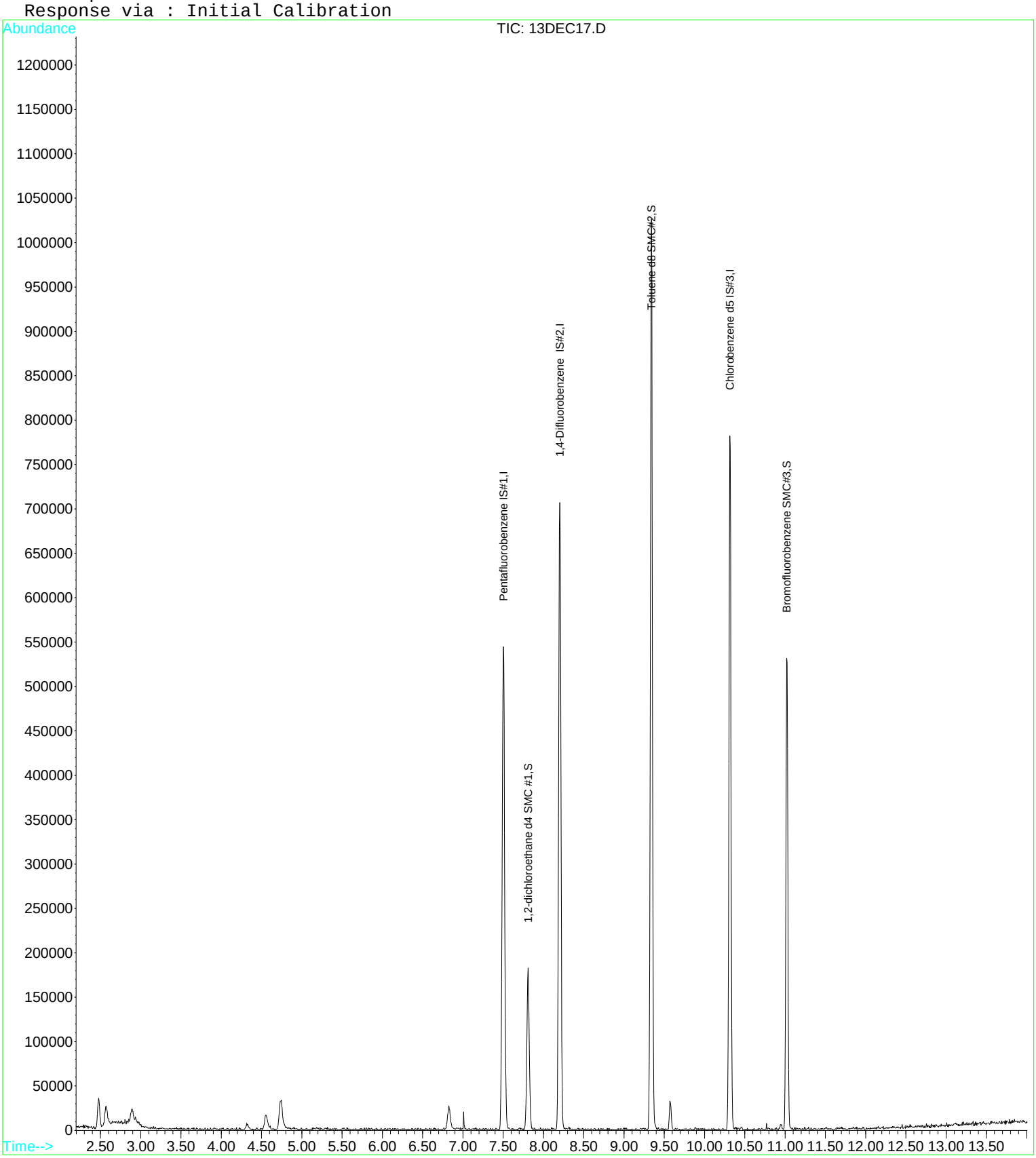
Target Compounds Qvalue

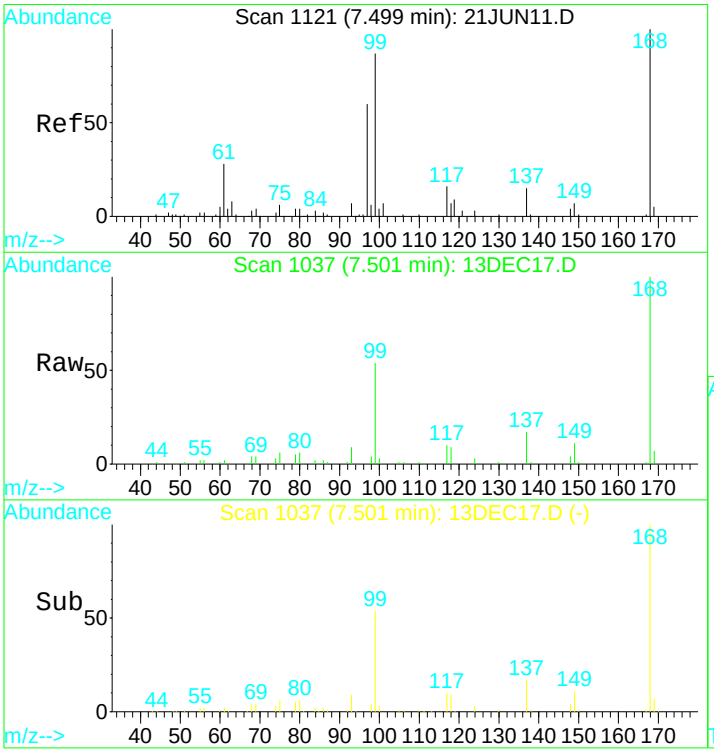
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : D:\DATA\DEC2022C\DEC13\13DEC17.D Vial: 17
Acq On : 13 Dec 2022 12:08 pm Operator: mgc
Sample : 2229425-06 Inst : MS-V5
Misc : 1 ;25ML;pH=2 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Dec 14 12:37 2022 Quant Results File: 82605C.RES

Method : C:\HPCHEM\1\METHODS\C\202211\14-1045\82605C.M (RTE Integrator)
Title : EPA Method 8260C/D
Last Update : Thu Nov 17 08:03:26 2022
Response via : Initial Calibration

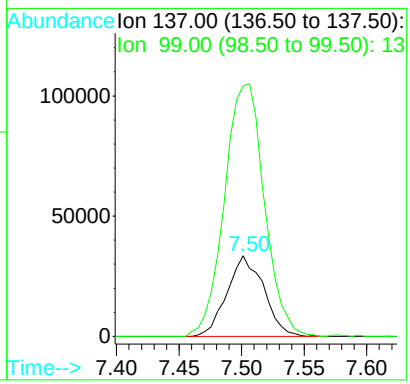


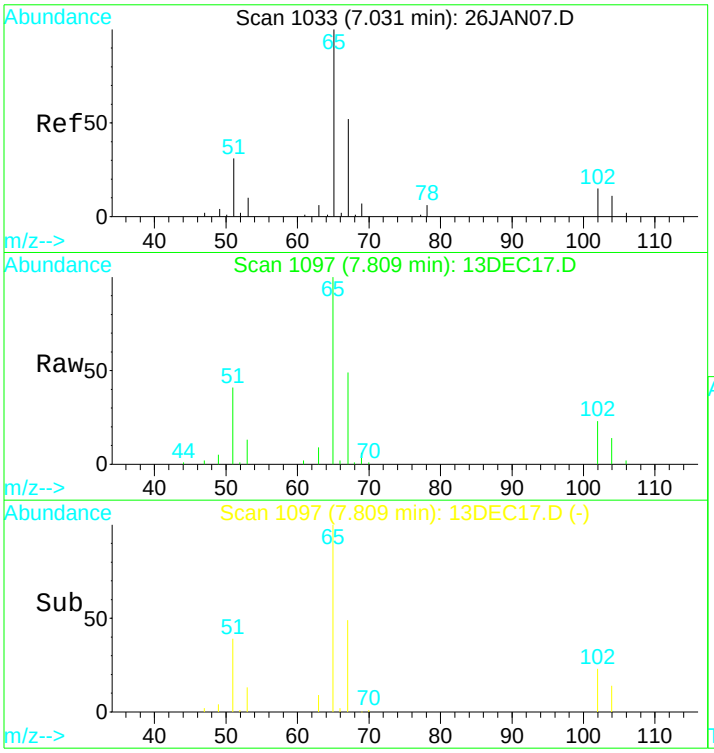


#1
Pentafluorobenzene IS#1
Concen: 10.00 ug/L
RT: 7.50 min Scan# 1037
Delta R.T. 0.00 min
Lab File: 13DEC17.D
Acq: 13 Dec 2022 12:08 pm

Tgt Ion:137 Resp: 68357

Ion	Ratio	Lower	Upper
137	100		
99	340.6	1402.2	2604.0#

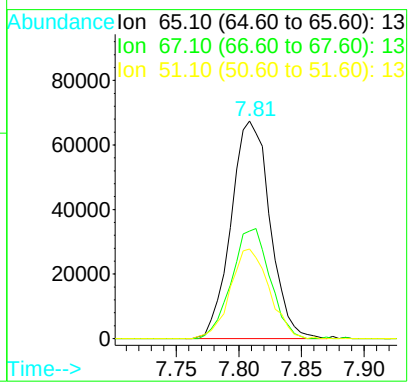


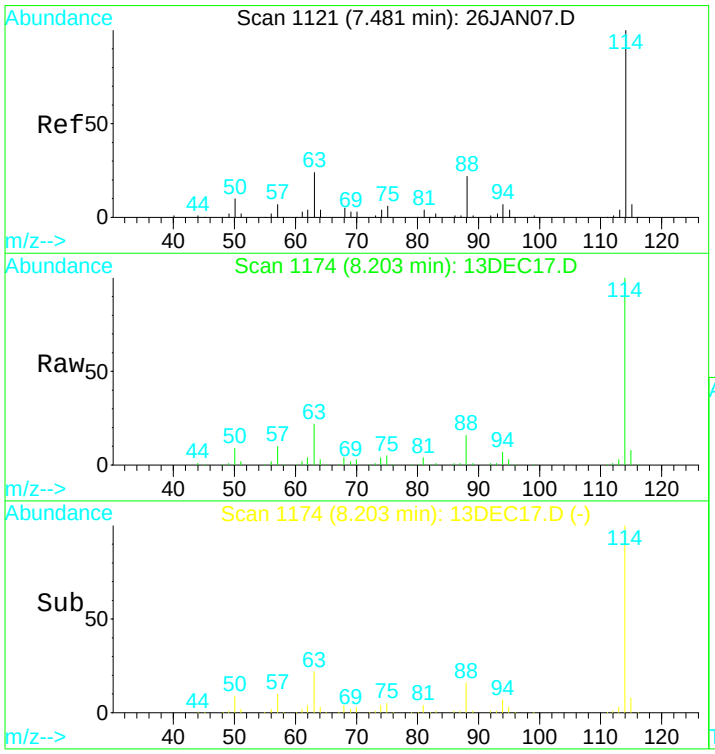


#23
1,2-dichloroethane d4 SMC #1
Concen: N.D. ug/L
RT: 7.81 min Scan# 1097
Delta R.T. -0.00 min
Lab File: 13DEC17.D
Acq: 13 Dec 2022 12:08 pm

Tgt Ion: 65 Resp: 146040

Ion	Ratio	Lower	Upper
65	100		
67	49.7	37.7	70.1
51	41.1	511.6	950.2#

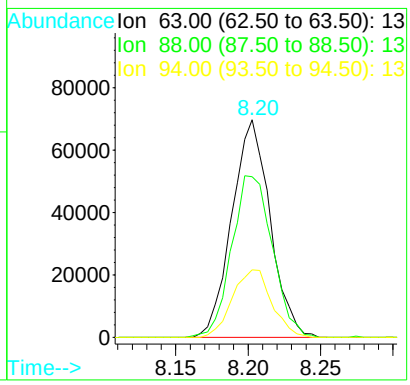


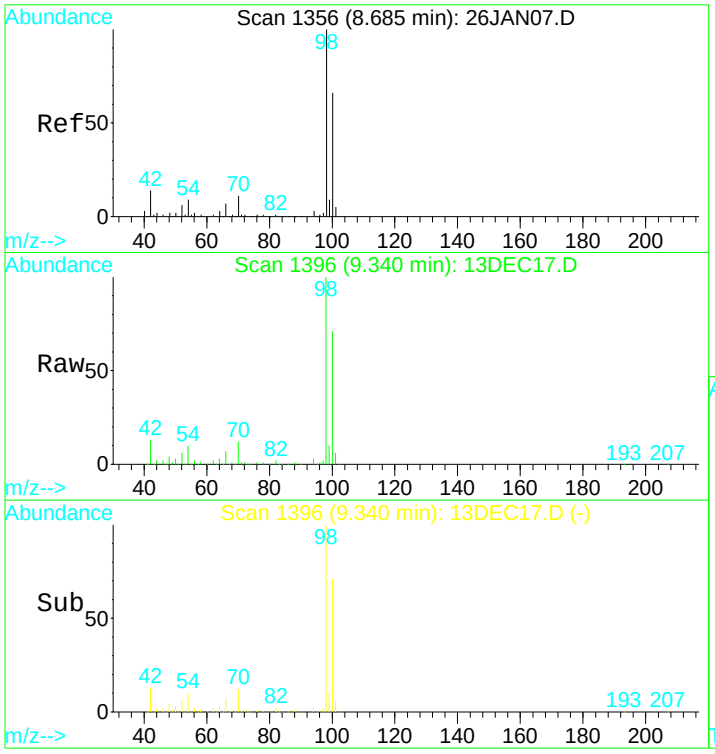


#26
1,4-Difluorobenzene IS#2
Concen: 10.00 ug/L
RT: 8.20 min Scan# 1174
Delta R.T. 0.00 min
Lab File: 13DEC17.D
Acq: 13 Dec 2022 12:08 pm

Tgt Ion: 63 Resp: 128291

Ion	Ratio	Lower	Upper
63	100		
88	78.7	52.1	96.7
94	31.8	19.7	36.7

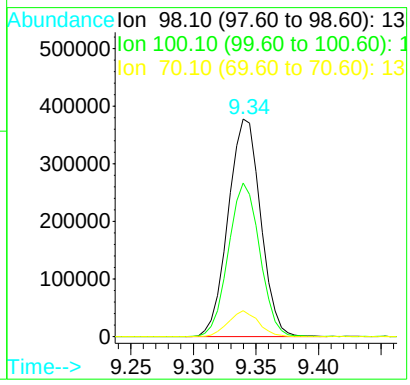


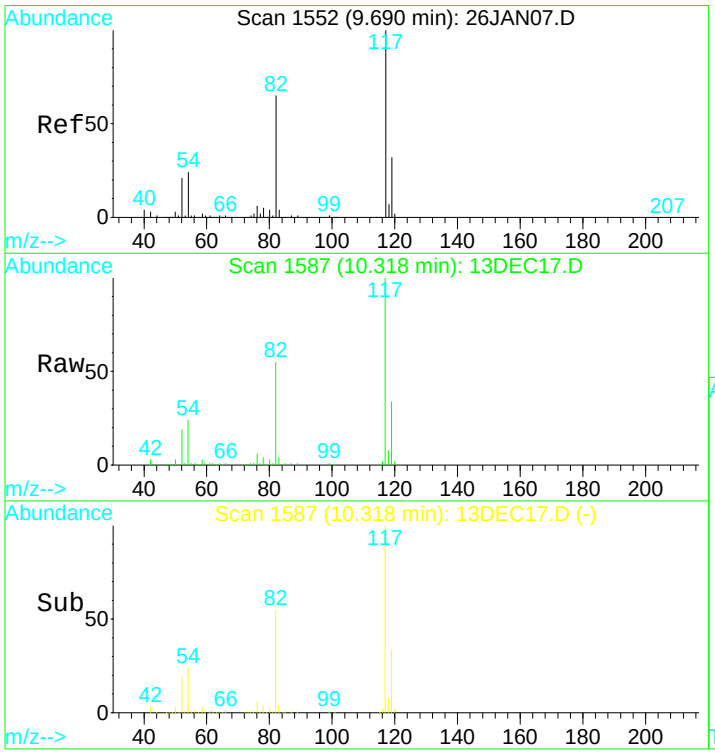


#33
Toluene d8 SMC#2
Concen: N.D. ug/L
RT: 9.34 min Scan# 1396
Delta R.T. -0.00 min
Lab File: 13DEC17.D
Acq: 13 Dec 2022 12:08 pm

Tgt Ion: 98 Resp: 683249

Ion	Ratio	Lower	Upper
98	100		
100	68.1	47.4	88.0
70	11.1	7.7	14.3

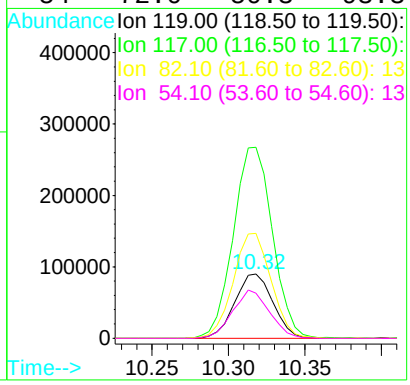


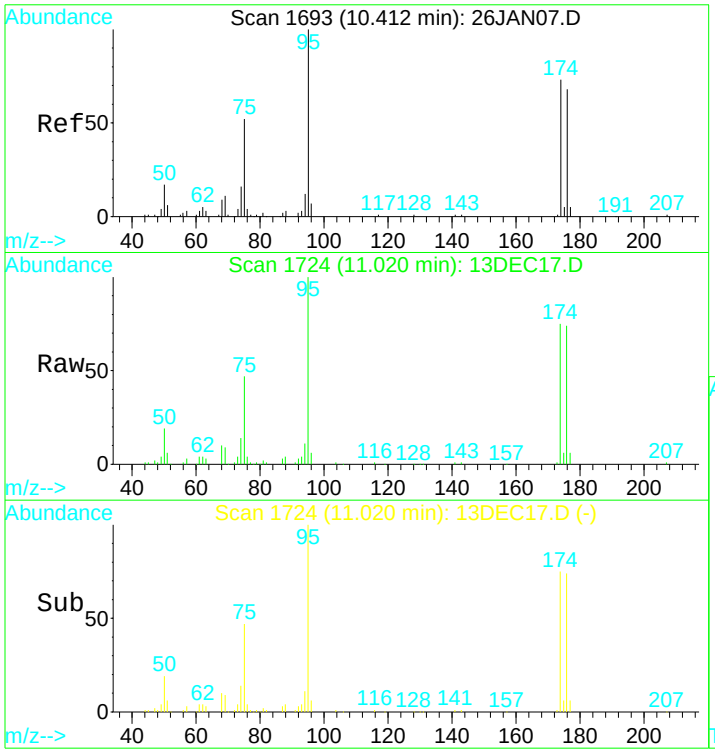


#41
Chlorobenzene d5 IS#3
Concen: 10.00 ug/L
RT: 10.32 min Scan# 1587
Delta R.T. 0.00 min
Lab File: 13DEC17.D
Acq: 13 Dec 2022 12:08 pm

Tgt Ion:119 Resp: 155359

Ion	Ratio	Lower	Upper
119	100		
117	305.8	210.3	390.6
82	162.0	119.1	221.3
54	72.0	50.3	93.3

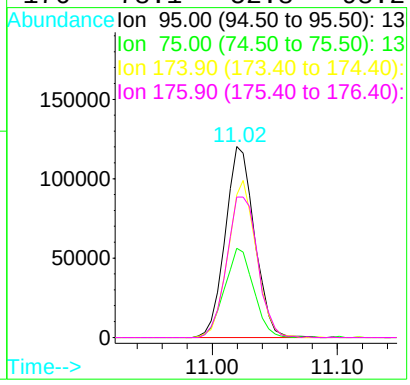




#51
Bromofluorobenzene SMC#3
Concen: N.D. ug/L
RT: 11.02 min Scan# 1724
Delta R.T. -0.00 min
Lab File: 13DEC17.D
Acq: 13 Dec 2022 12:08 pm

Tgt Ion: 95 Resp: 195305

Ion	Ratio	Lower	Upper
95	100		
75	46.3	31.7	58.9
174	79.0	54.2	100.6
176	78.1	52.8	98.2



Quantitation Report (QT Reviewed)

Data File : D:\DATA\DEC2022C\DEC13\13DEC17.D Vial: 17
Acq On : 13 Dec 2022 12:08 pm Operator: mgc
Sample : 2229425-06 Inst : MS-V5
Misc : 1 ;25ML;pH=2 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Dec 14 12:49 2022 Quant Results File: 82605CX.RES

Quant Method : C:\HPCHEM\1...\82605CX.M (RTE Integrator)
Title : EPA Method 8260C/DX
Last Update : Thu Dec 01 09:35:24 2022
Response via : Initial Calibration
DataAcq Meth : 82605

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene IS#1	7.50	137	68357	10.00	ug/L	0.00
29) 1,4-Difluorobenzene IS#2	8.20	63	128291	10.00	ug/L	0.00
36) Chlorobenzene d5 IS#3	10.32	119	155359	10.00	ug/L	0.00

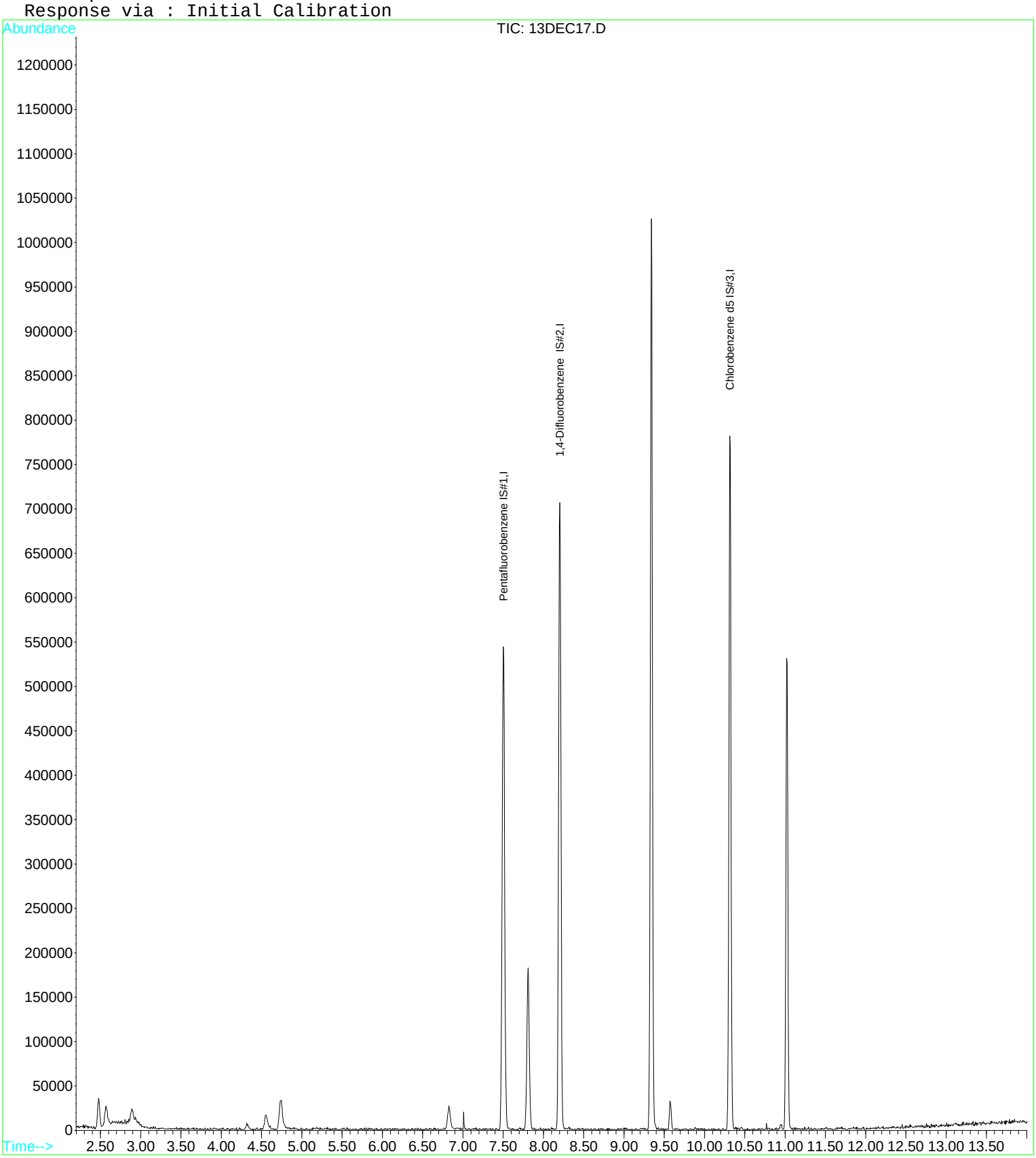
Target Compounds Qvalue

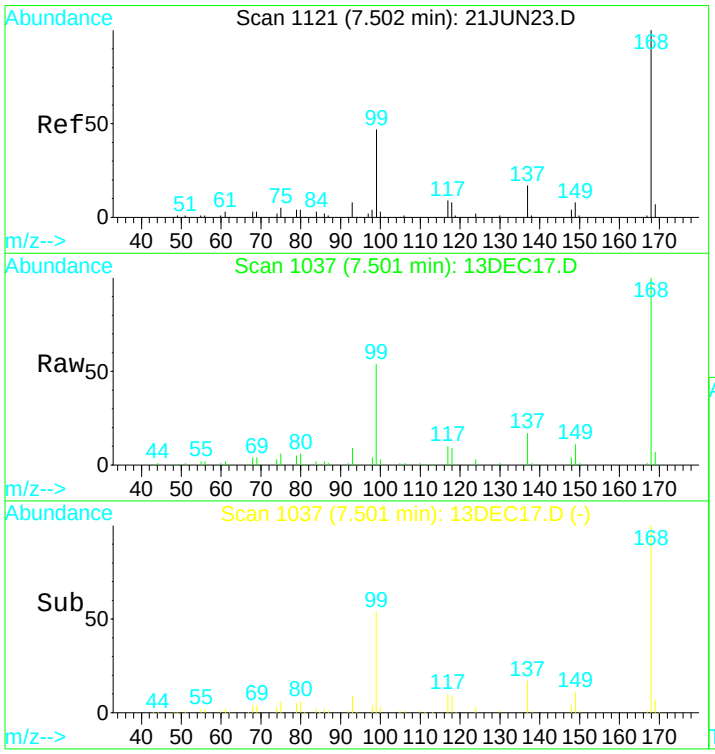
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : D:\DATA\DEC2022C\DEC13\13DEC17.D Vial: 17
Acq On : 13 Dec 2022 12:08 pm Operator: mgc
Sample : 2229425-06 Inst : MS-V5
Misc : 1 ;25ML;pH=2 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Dec 14 12:49 2022 Quant Results File: 82605CX.RES

Method : C:\HPCHEM\1\METHODS\C\202210\16-1301\82605CX.M (RTE Integrator)
Title : EPA Method 8260C/DX
Last Update : Thu Dec 01 09:35:24 2022
Response via : Initial Calibration

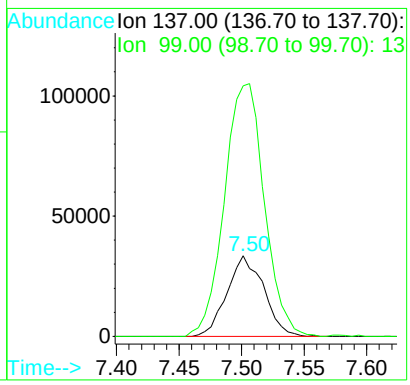


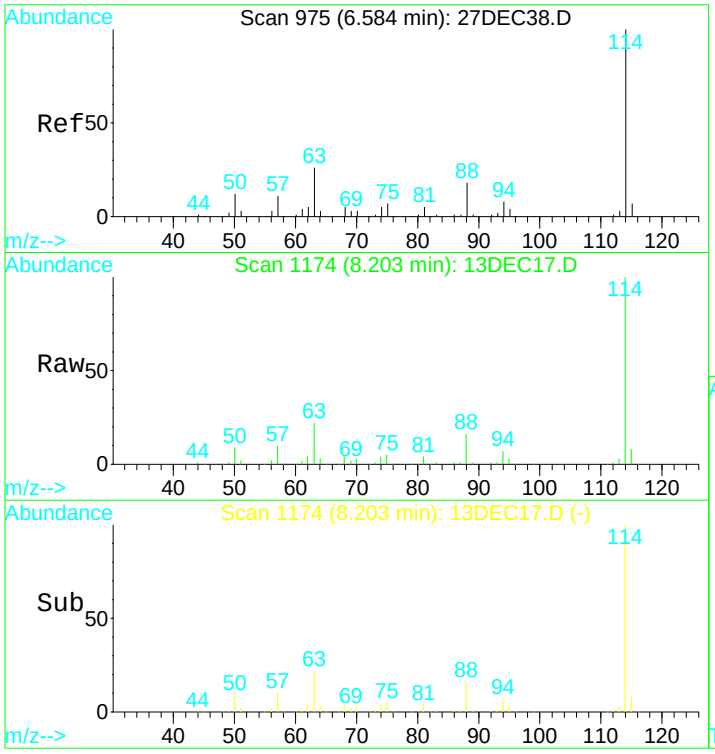


#1
Pentafluorobenzene IS#1
Concen: 10.00 ug/L
RT: 7.50 min Scan# 1037
Delta R.T. -0.00 min
Lab File: 13DEC17.D
Acq: 13 Dec 2022 12:08 pm

Tgt Ion:137 Resp: 68357

Ion	Ratio	Lower	Upper
137	100		
99	340.6	241.0	447.6

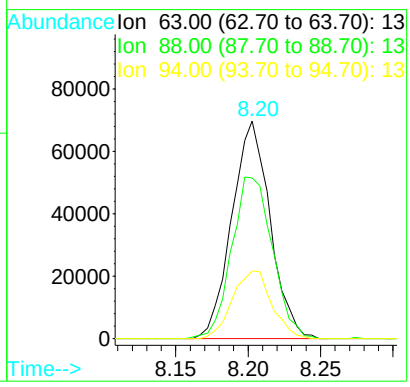


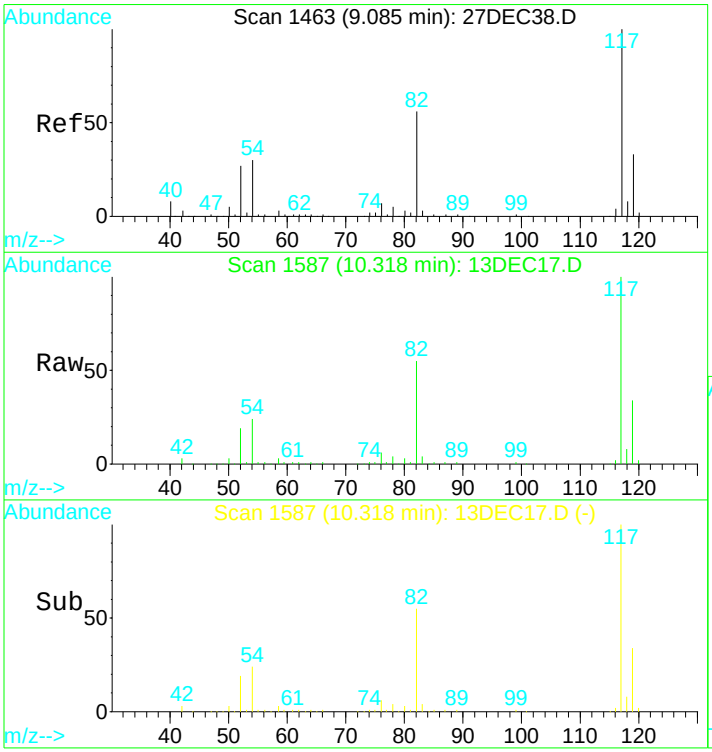


#29
1,4-Difluorobenzene IS#2
Concen: 10.00 ug/L
RT: 8.20 min Scan# 1174
Delta R.T. -0.00 min
Lab File: 13DEC17.D
Acq: 13 Dec 2022 12:08 pm

Tgt Ion: 63 Resp: 128291

Ion	Ratio	Lower	Upper
63	100		
88	78.7	54.9	102.1
94	31.8	21.0	39.0

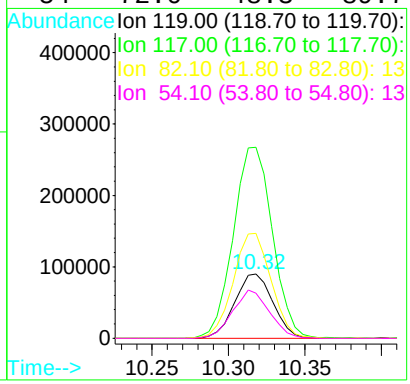




#36
Chlorobenzene d5 IS#3
Concen: 10.00 ug/L
RT: 10.32 min Scan# 1587
Delta R.T. 0.00 min
Lab File: 13DEC17.D
Acq: 13 Dec 2022 12:08 pm

Tgt Ion:119 Resp: 155359

Ion	Ratio	Lower	Upper
119	100		
117	305.8	215.7	400.5
82	162.0	118.3	219.7
54	72.0	48.3	89.7



Quantitation Report (QT Reviewed)

Data File : D:\DATA\DEC2022C\DEC13\13DEC18.D Vial: 18
Acq On : 13 Dec 2022 12:32 pm Operator: mgc
Sample : 2229425-07 Inst : MS-V5
Misc : 1 ;25ML;pH=2 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Dec 14 12:38 2022 Quant Results File: 82605C.RES

Quant Method : C:\HPCHEM\1...\82605C.M (RTE Integrator)
Title : EPA Method 8260C/D
Last Update : Thu Nov 17 08:03:26 2022
Response via : Initial Calibration
DataAcq Meth : 82605

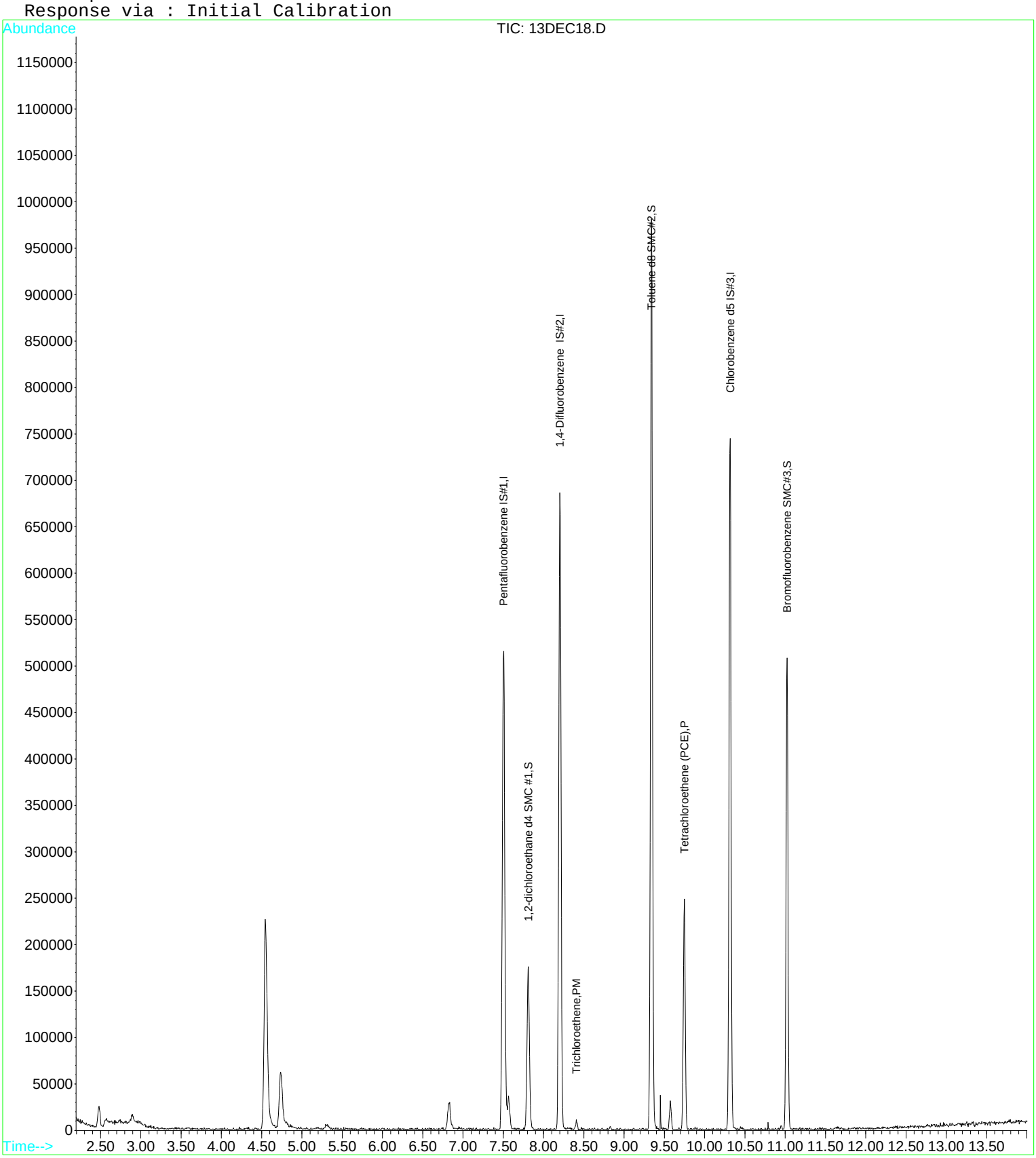
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene IS#1	7.50	137	63664	10.00	ug/L	0.00
26) 1,4-Difluorobenzene IS#2	8.20	63	127077	10.00	ug/L	0.00
41) Chlorobenzene d5 IS#3	10.32	119	142667	10.00	ug/L	0.00
System Monitoring Compounds						
23) 1,2-dichloroethane d4 SMC	7.81	65	140492	11.08	ug/L	0.00
Spiked Amount 10.000	Range 75 - 125		Recovery = 110.80%			
33) Toluene d8 SMC#2	9.34	98	642241	9.63	ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 96.30%			
51) Bromofluorobenzene SMC#3	11.02	95	184188	10.09	ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 100.90%			
Target Compounds						Qvalue
27) Trichloroethene	8.41	130	2840	0.13	ug/L	85
37) Tetrachloroethene (PCE)	9.75	166	76625	3.77	ug/L	97

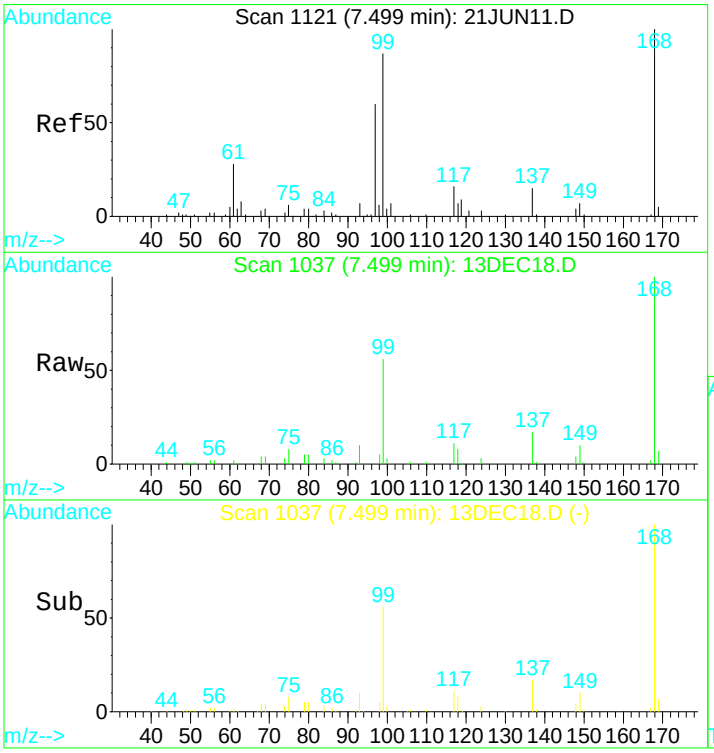
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : D:\DATA\DEC2022C\DEC13\13DEC18.D Vial: 18
Acq On : 13 Dec 2022 12:32 pm Operator: mgc
Sample : 2229425-07 Inst : MS-V5
Misc : 1 ;25ML;pH=2 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Dec 14 12:38 2022 Quant Results File: 82605C.RES

Method : C:\HPCHEM\1\METHODS\C\202211\14-1045\82605C.M (RTE Integrator)
Title : EPA Method 8260C/D
Last Update : Thu Nov 17 08:03:26 2022
Response via : Initial Calibration

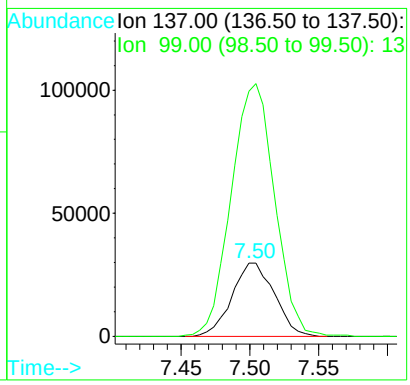


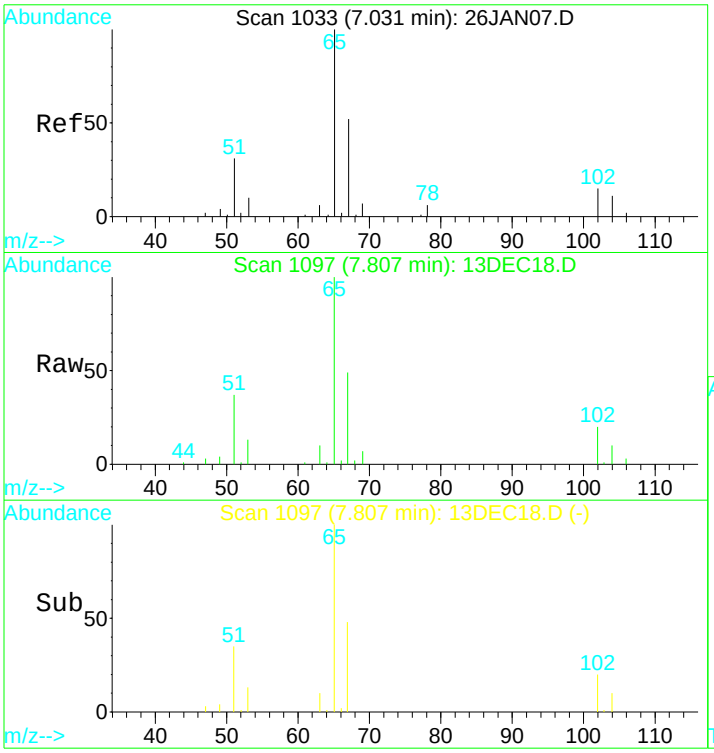


#1
Pentafluorobenzene IS#1
Concen: 10.00 ug/L
RT: 7.50 min Scan# 1037
Delta R.T. 0.00 min
Lab File: 13DEC18.D
Acq: 13 Dec 2022 12:32 pm

Tgt Ion:137 Resp: 63664

Ion	Ratio	Lower	Upper
137	100		
99	354.6	1402.2	2604.0#

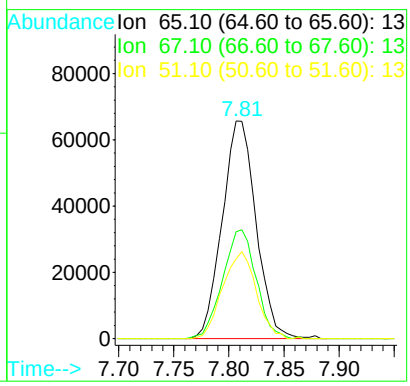


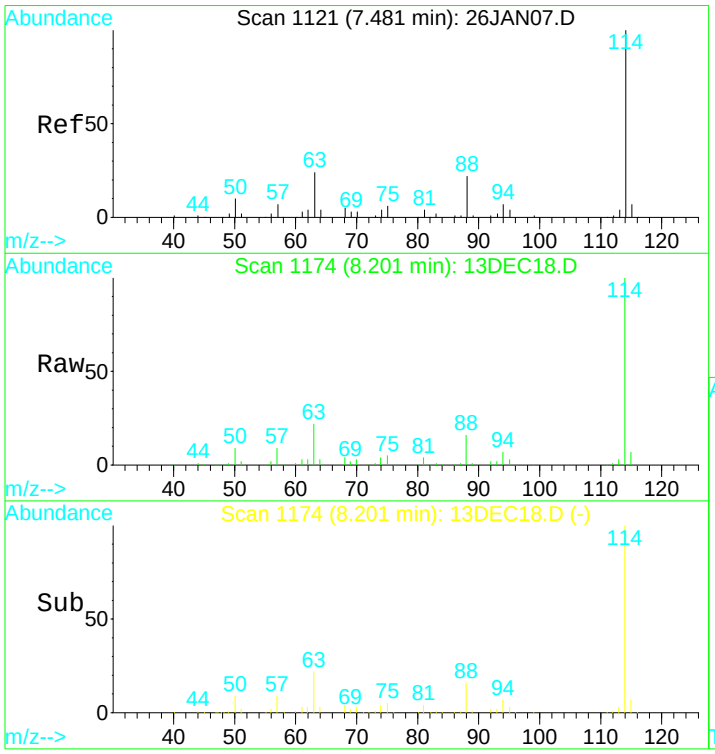


#23
1,2-dichloroethane d4 SMC #1
Concen: N.D. ug/L
RT: 7.81 min Scan# 1097
Delta R.T. -0.01 min
Lab File: 13DEC18.D
Acq: 13 Dec 2022 12:32 pm

Tgt Ion: 65 Resp: 140492

Ion	Ratio	Lower	Upper
65	100		
67	49.1	37.7	70.1
51	39.5	511.6	950.2#

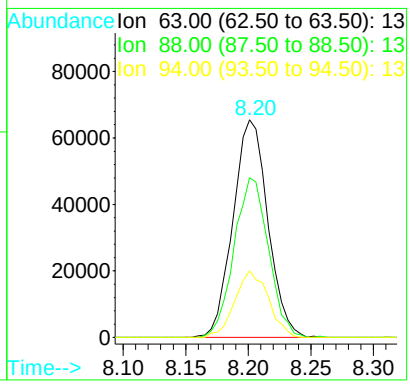


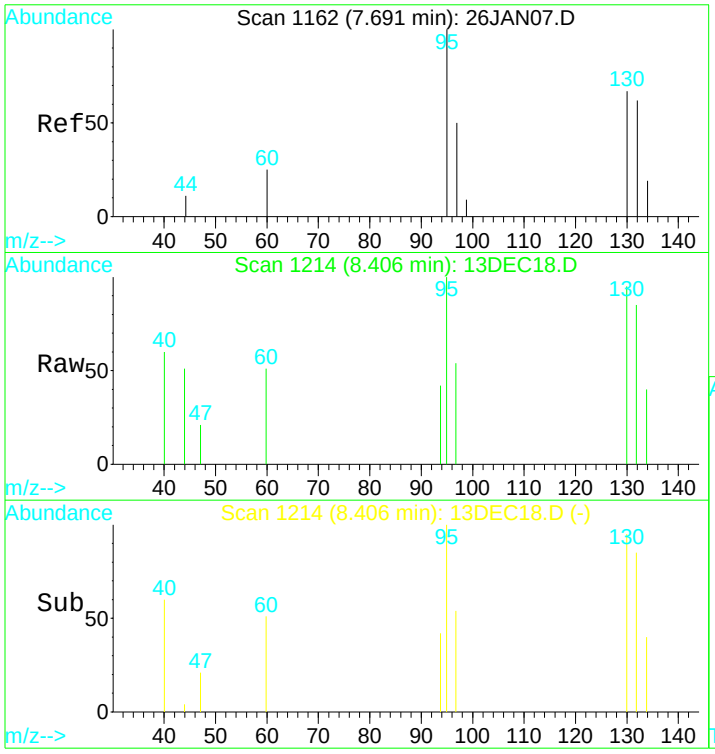


#26
1,4-Difluorobenzene IS#2
Concen: 10.00 ug/L
RT: 8.20 min Scan# 1174
Delta R.T. 0.00 min
Lab File: 13DEC18.D
Acq: 13 Dec 2022 12:32 pm

Tgt Ion: 63 Resp: 127077

Ion	Ratio	Lower	Upper
63	100		
88	72.3	52.1	96.7
94	29.4	19.7	36.7

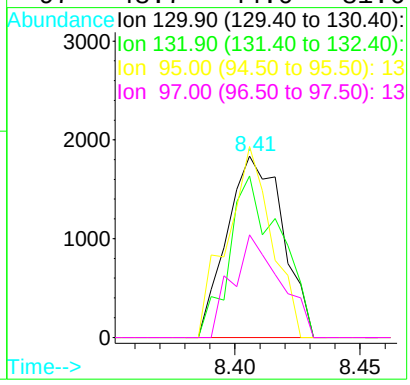


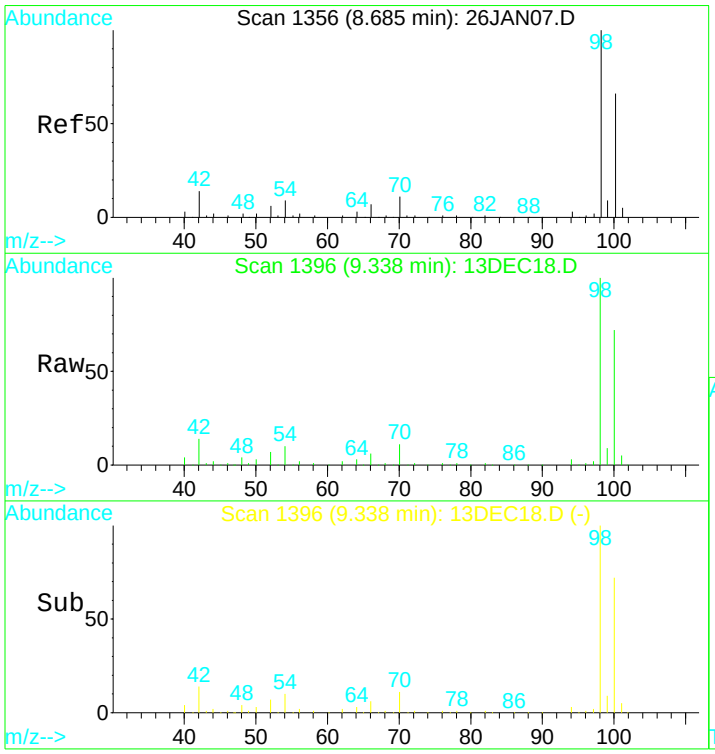


#27
Trichloroethene
Concen: 0.13 ug/L
RT: 8.41 min Scan# 1214
Delta R.T. -0.01 min
Lab File: 13DEC18.D
Acq: 13 Dec 2022 12:32 pm

Tgt Ion:130 Resp: 2840

Ion	Ratio	Lower	Upper
130	100		
132	81.4	67.3	124.9
95	84.3	67.0	124.4
97	48.7	44.0	81.6

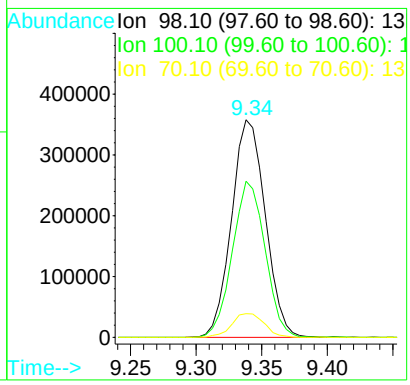


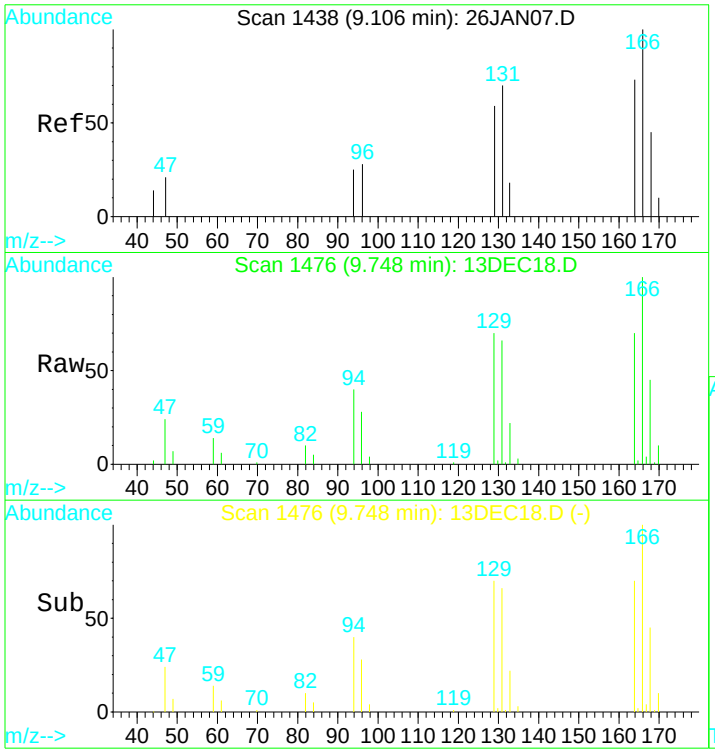


#33
Toluene d8 SMC#2
Concen: N.D. ug/L
RT: 9.34 min Scan# 1396
Delta R.T. -0.01 min
Lab File: 13DEC18.D
Acq: 13 Dec 2022 12:32 pm

Tgt Ion: 98 Resp: 642241

Ion	Ratio	Lower	Upper
98	100		
100	69.5	47.4	88.0
70	10.6	7.7	14.3

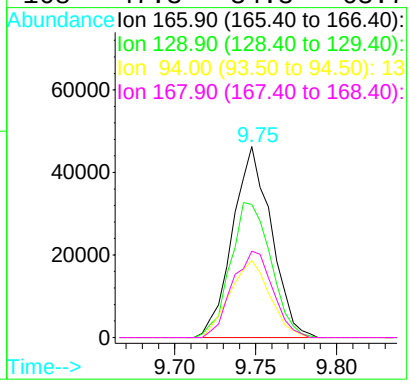


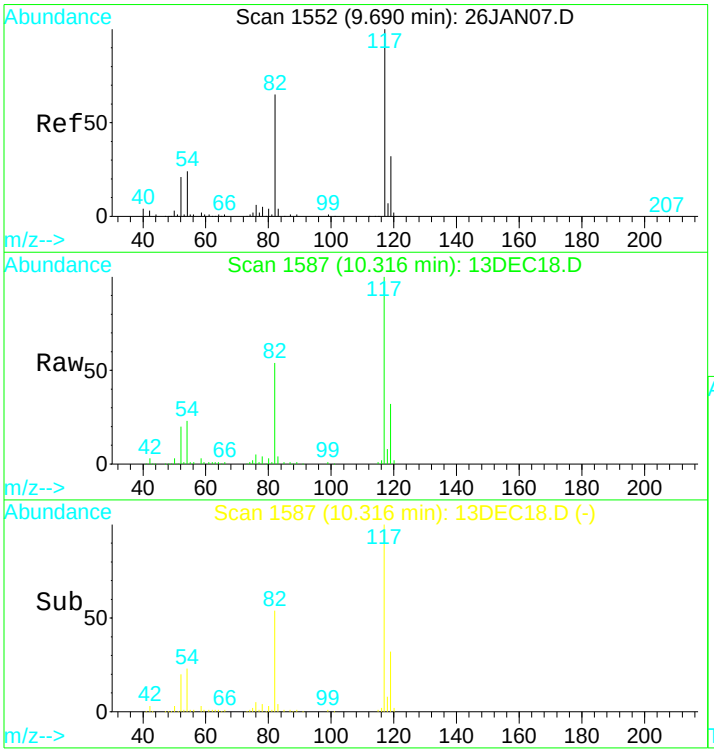


#37
Tetrachloroethene (PCE)
Concen: 3.77 ug/L
RT: 9.75 min Scan# 1476
Delta R.T. 0.00 min
Lab File: 13DEC18.D
Acq: 13 Dec 2022 12:32 pm

Tgt Ion:166 Resp: 76625

Ion	Ratio	Lower	Upper
166	100		
129	73.6	53.5	99.5
94	41.8	30.2	56.2
168	47.3	34.3	63.7

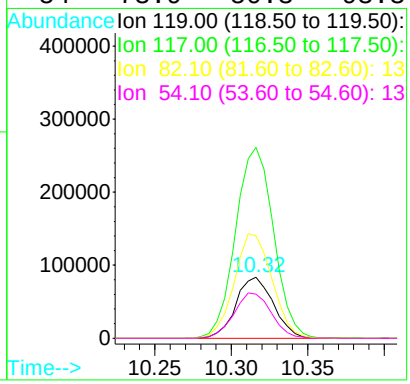


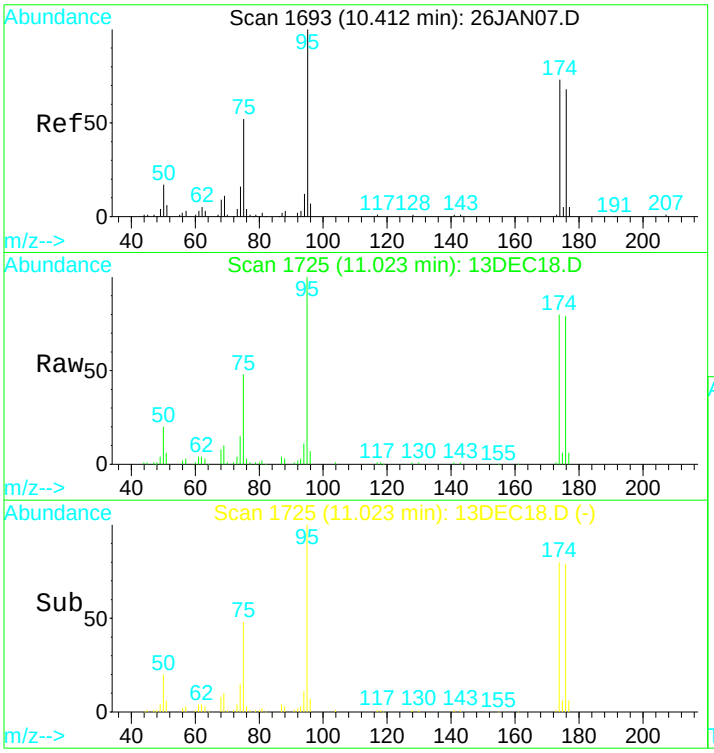


#41
Chlorobenzene d5 IS#3
Concen: 10.00 ug/L
RT: 10.32 min Scan# 1587
Delta R.T. 0.00 min
Lab File: 13DEC18.D
Acq: 13 Dec 2022 12:32 pm

Tgt Ion:119 Resp: 142667

Ion	Ratio	Lower	Upper
119	100		
117	317.1	210.3	390.6
82	172.0	119.1	221.3
54	73.9	50.3	93.3

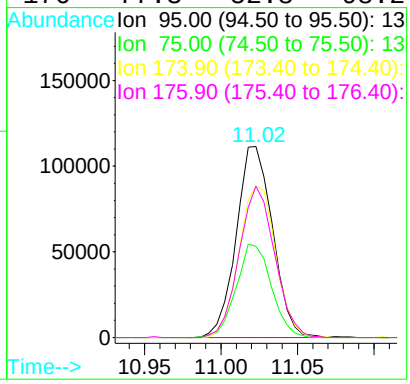




#51
Bromofluorobenzene SMC#3
Concen: N.D. ug/L
RT: 11.02 min Scan# 1725
Delta R.T. 0.00 min
Lab File: 13DEC18.D
Acq: 13 Dec 2022 12:32 pm

Tgt Ion: 95 Resp: 184188

Ion	Ratio	Lower	Upper
95	100		
75	47.1	31.7	58.9
174	80.0	54.2	100.6
176	77.3	52.8	98.2



Quantitation Report (QT Reviewed)

Data File : D:\DATA\DEC2022C\DEC13\13DEC18.D Vial: 18
Acq On : 13 Dec 2022 12:32 pm Operator: mgc
Sample : 2229425-07 Inst : MS-V5
Misc : 1 ;25ML;pH=2 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Dec 14 12:50 2022 Quant Results File: 82605CX.RES

Quant Method : C:\HPCHEM\1...\82605CX.M (RTE Integrator)
Title : EPA Method 8260C/DX
Last Update : Thu Dec 01 09:35:24 2022
Response via : Initial Calibration
DataAcq Meth : 82605

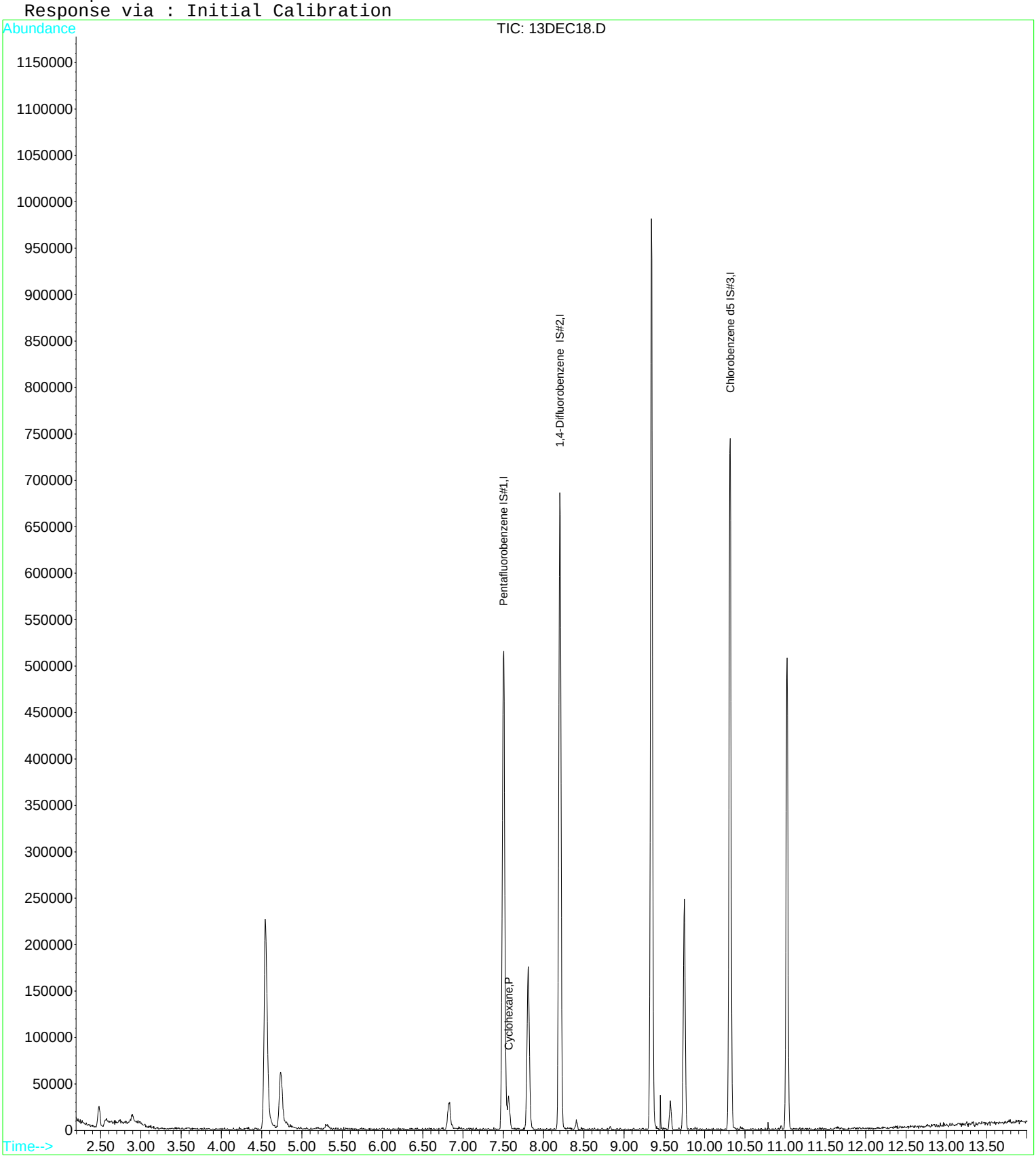
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene IS#1	7.50	137	63664	10.00	ug/L	0.00
29) 1,4-Difluorobenzene IS#2	8.20	63	127077	10.00	ug/L	0.00
36) Chlorobenzene d5 IS#3	10.32	119	142667	10.00	ug/L	0.00
Target Compounds						Qvalue
27) Cyclohexane	7.57	56	19270	0.48	ug/L	94

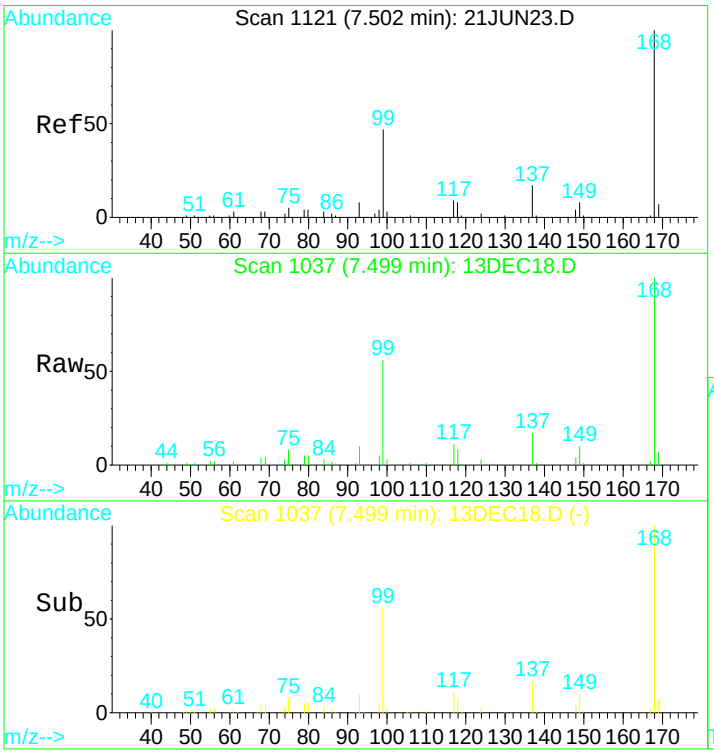
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : D:\DATA\DEC2022C\DEC13\13DEC18.D Vial: 18
Acq On : 13 Dec 2022 12:32 pm Operator: mgc
Sample : 2229425-07 Inst : MS-V5
Misc : 1 ;25ML;pH=2 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Dec 14 12:50 2022 Quant Results File: 82605CX.RES

Method : C:\HPCHEM\1\METHODS\C\202210\16-1301\82605CX.M (RTE Integrator)
Title : EPA Method 8260C/DX
Last Update : Thu Dec 01 09:35:24 2022
Response via : Initial Calibration

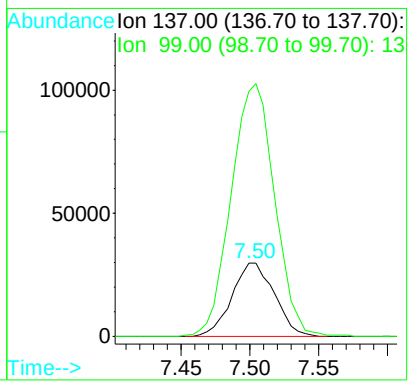


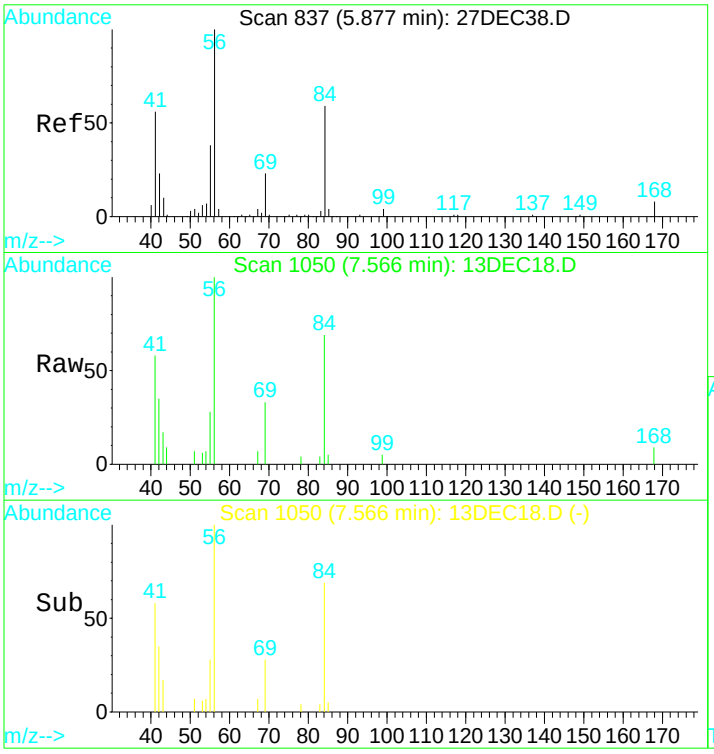


#1
Pentafluorobenzene IS#1
Concen: 10.00 ug/L
RT: 7.50 min Scan# 1037
Delta R.T. -0.00 min
Lab File: 13DEC18.D
Acq: 13 Dec 2022 12:32 pm

Tgt Ion:137 Resp: 63664

Ion	Ratio	Lower	Upper
137	100		
99	354.6	241.0	447.6

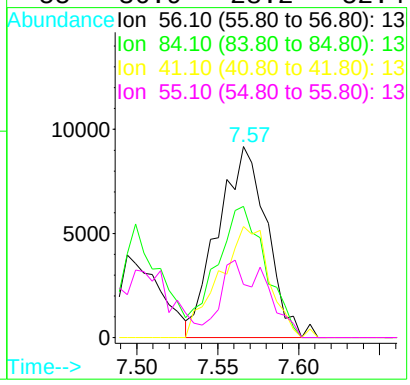


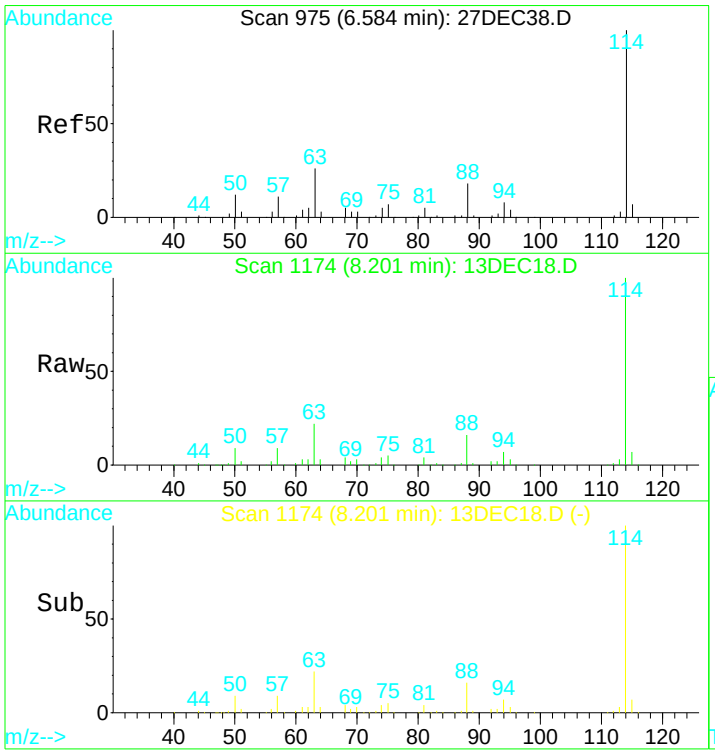


#27
Cyclohexane
Concen: 0.48 ug/L
RT: 7.57 min Scan# 1050
Delta R.T. 0.00 min
Lab File: 13DEC18.D
Acq: 13 Dec 2022 12:32 pm

Tgt Ion: 56 Resp: 19270

Ion	Ratio	Lower	Upper
56	100		
84	69.7	54.5	101.3
41	59.6	40.9	75.9
55	36.9	28.2	52.4

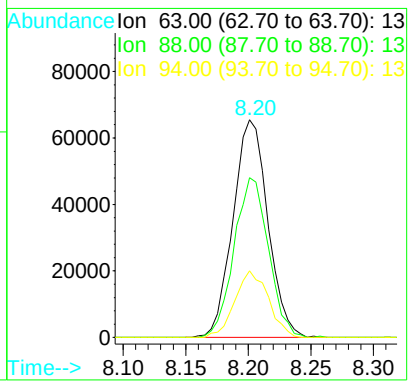


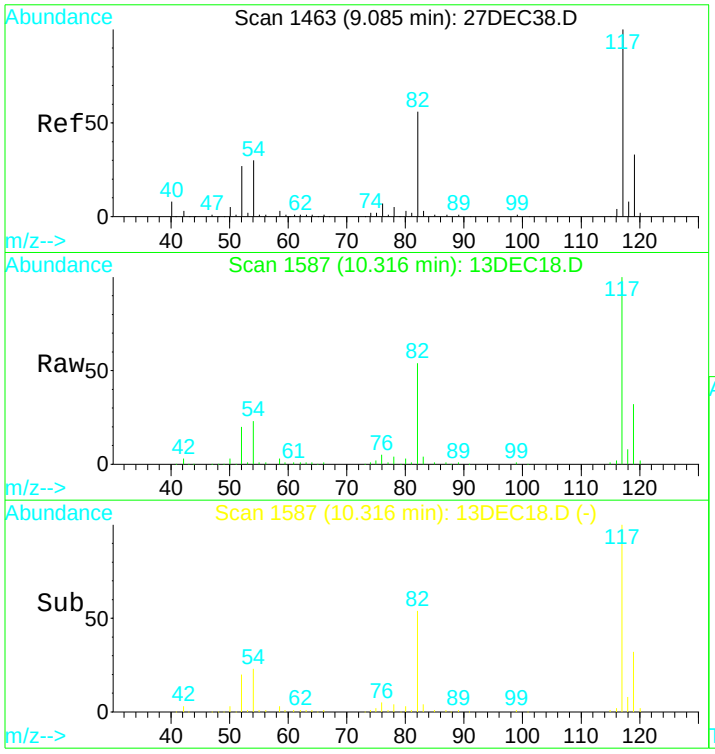


#29
1,4-Difluorobenzene IS#2
Concen: 10.00 ug/L
RT: 8.20 min Scan# 1174
Delta R.T. -0.00 min
Lab File: 13DEC18.D
Acq: 13 Dec 2022 12:32 pm

Tgt Ion: 63 Resp: 127077

Ion	Ratio	Lower	Upper
63	100		
88	72.3	54.9	102.1
94	29.4	21.0	39.0

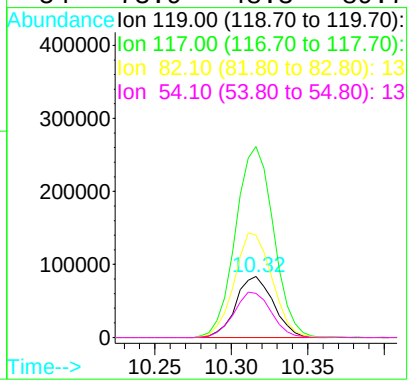




#36
Chlorobenzene d5 IS#3
Concen: 10.00 ug/L
RT: 10.32 min Scan# 1587
Delta R.T. 0.00 min
Lab File: 13DEC18.D
Acq: 13 Dec 2022 12:32 pm

Tgt Ion:119 Resp: 142667

Ion	Ratio	Lower	Upper
119	100		
117	317.1	215.7	400.5
82	172.0	118.3	219.7
54	73.9	48.3	89.7



Quantitation Report (QT Reviewed)

Data File : D:\DATA\DEC2022C\DEC13\13DEC19.D Vial: 19
Acq On : 13 Dec 2022 12:56 pm Operator: mgc
Sample : 2229425-08 Inst : MS-V5
Misc : 1 ;25ML;pH=2 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Dec 14 12:38 2022 Quant Results File: 82605C.RES

Quant Method : C:\HPCHEM\1...\82605C.M (RTE Integrator)
Title : EPA Method 8260C/D
Last Update : Thu Nov 17 08:03:26 2022
Response via : Initial Calibration
DataAcq Meth : 82605

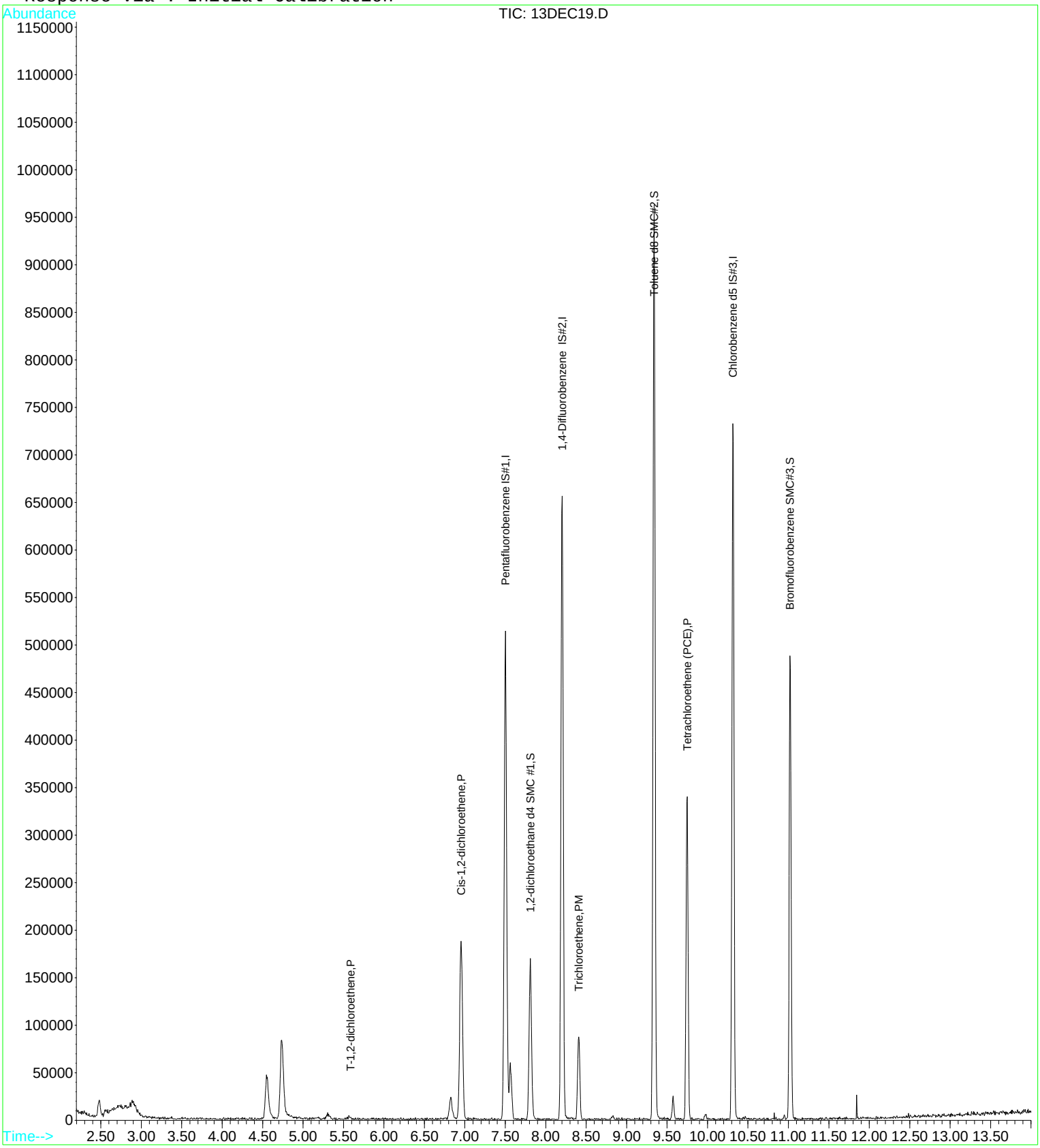
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene IS#1	7.50	137	60632	10.00	ug/L	0.00
26) 1,4-Difluorobenzene IS#2	8.20	63	120316	10.00	ug/L	0.00
41) Chlorobenzene d5 IS#3	10.32	119	142323	10.00	ug/L	0.00
System Monitoring Compounds						
23) 1,2-dichloroethane d4 SMC	7.81	65	135909	11.26	ug/L	0.00
Spiked Amount 10.000	Range 75 - 125		Recovery = 112.60%			
33) Toluene d8 SMC#2	9.34	98	626754	9.92	ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 99.20%			
51) Bromofluorobenzene SMC#3	11.02	95	173035	9.50	ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 95.00%			
Target Compounds						Qvalue
14) T-1,2-dichloroethene	5.59	96	1164	0.05	ug/L #	58
17) Cis-1,2-dichloroethene	6.95	96	106127	4.73	ug/L	90
27) Trichloroethene	8.41	130	31824	1.54	ug/L	99
37) Tetrachloroethene (PCE)	9.74	166	98849	5.14	ug/L	99

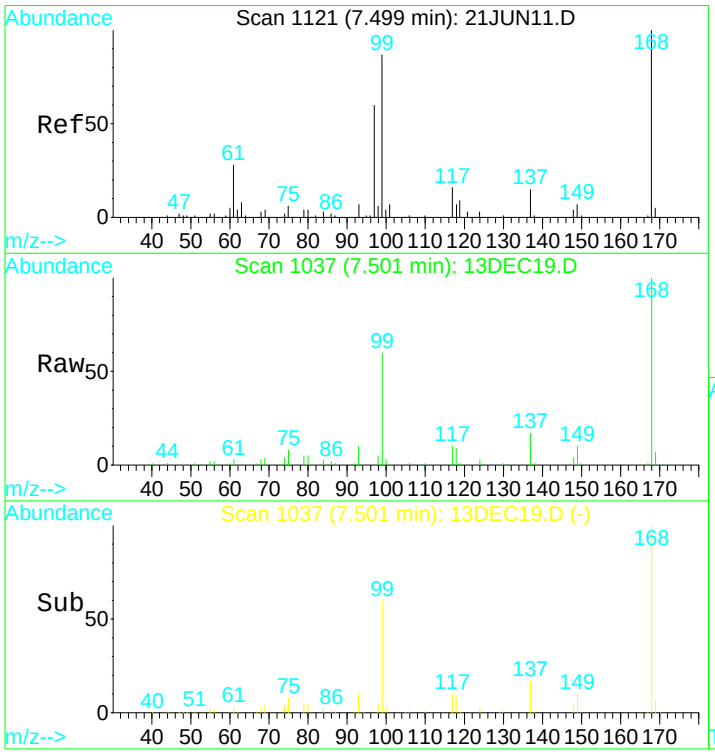
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : D:\DATA\DEC2022C\DEC13\13DEC19.D Vial: 19
Acq On : 13 Dec 2022 12:56 pm Operator: mgc
Sample : 2229425-08 Inst : MS-V5
Misc : 1 ;25ML;pH=2 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Dec 14 12:38 2022 Quant Results File: 82605C.RES

Method : C:\HPCHEM\1\METHODS\C\202211\14-1045\82605C.M (RTE Integrator)
Title : EPA Method 8260C/D
Last Update : Thu Nov 17 08:03:26 2022
Response via : Initial Calibration

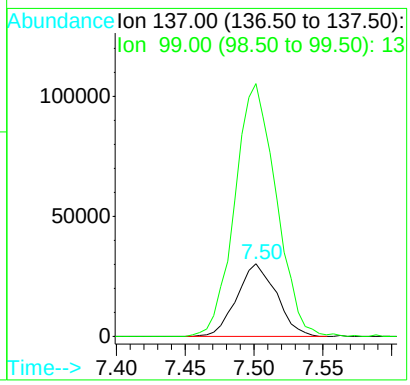


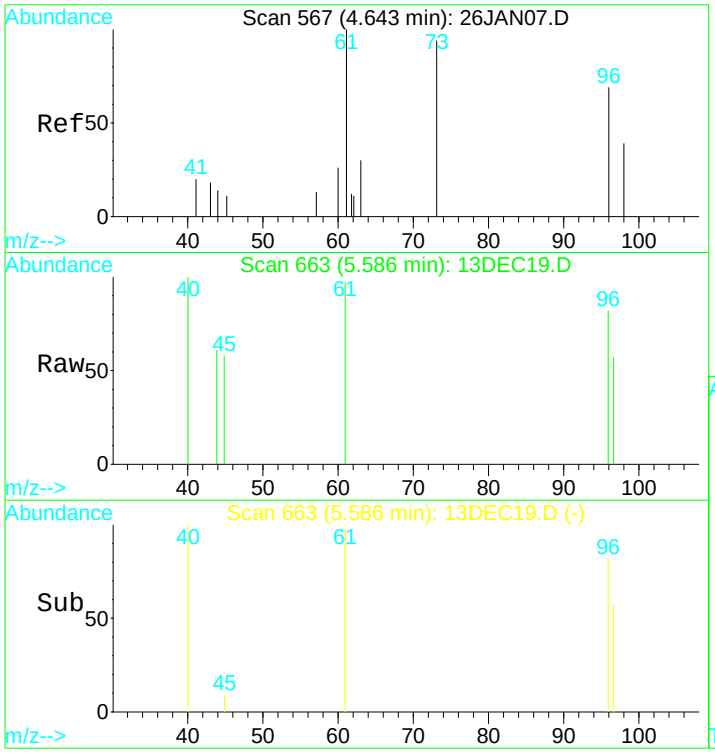


#1
Pentafluorobenzene IS#1
Concen: 10.00 ug/L
RT: 7.50 min Scan# 1037
Delta R.T. 0.00 min
Lab File: 13DEC19.D
Acq: 13 Dec 2022 12:56 pm

Tgt Ion:137 Resp: 60632

Ion	Ratio	Lower	Upper
137	100		
99	363.1	1402.2	2604.0#

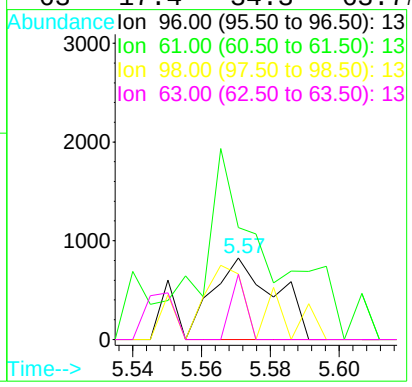


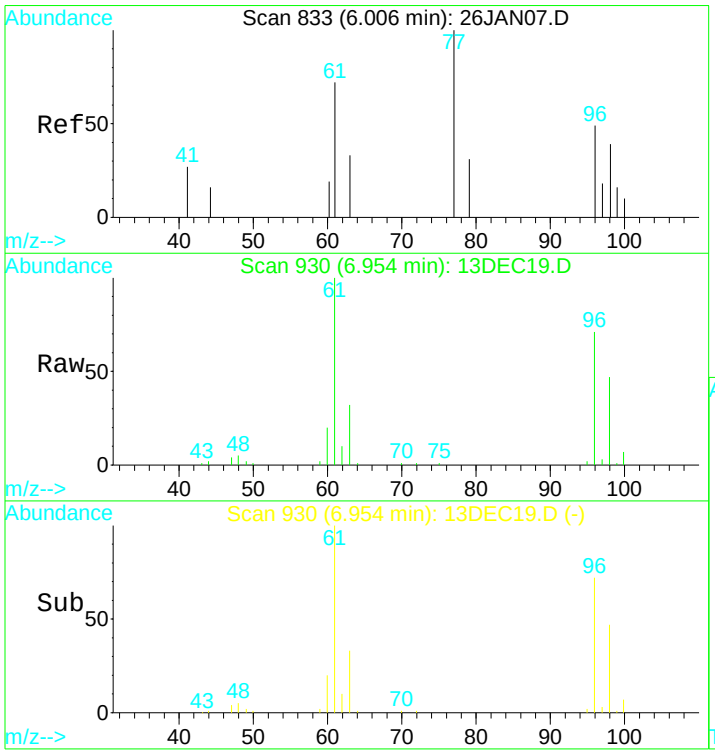


#14
T-1,2-dichloroethene
Concen: 0.05 ug/L
RT: 5.59 min Scan# 663
Delta R.T. 0.01 min
Lab File: 13DEC19.D
Acq: 13 Dec 2022 12:56 pm

Tgt Ion: 96 Resp: 1164

Ion	Ratio	Lower	Upper
96	100		
61	220.9	103.9	192.9#
98	60.7	45.3	84.1
63	17.4	34.3	63.7#

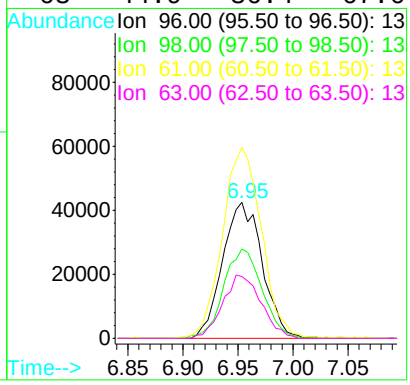


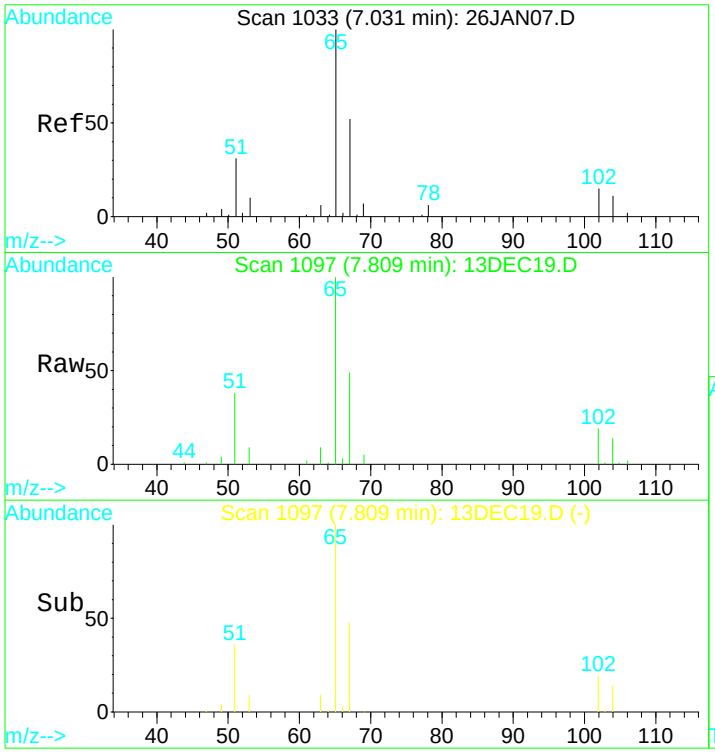


#17
Cis-1,2-dichloroethene
Concen: 4.73 ug/L
RT: 6.95 min Scan# 930
Delta R.T. -0.00 min
Lab File: 13DEC19.D
Acq: 13 Dec 2022 12:56 pm

Tgt Ion: 96 Resp: 106127

Ion	Ratio	Lower	Upper
96	100		
98	63.7	45.8	85.2
61	138.2	108.0	200.6
63	44.9	36.4	67.6

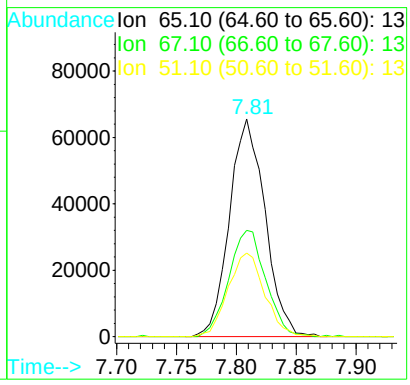


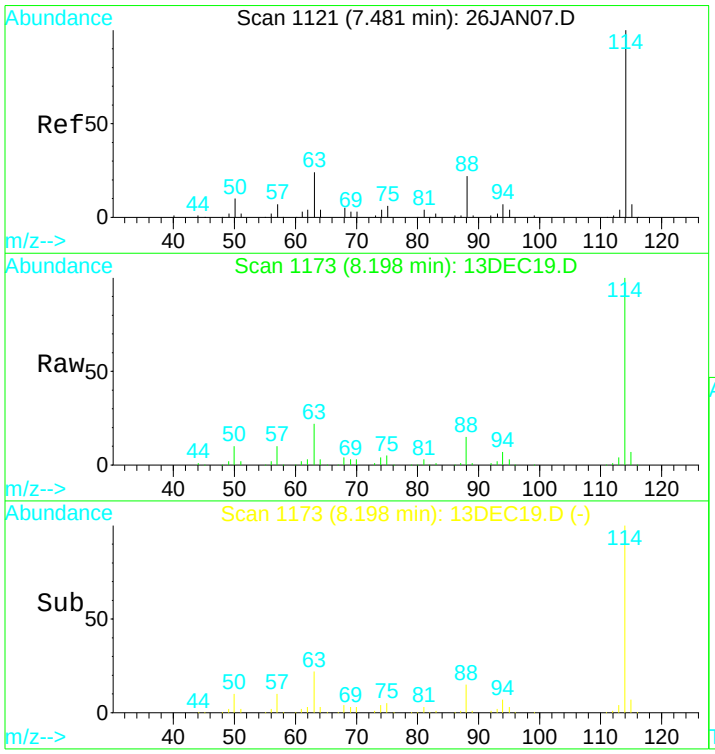


#23
1,2-dichloroethane d4 SMC #1
Concen: N.D. ug/L
RT: 7.81 min Scan# 1097
Delta R.T. -0.00 min
Lab File: 13DEC19.D
Acq: 13 Dec 2022 12:56 pm

Tgt Ion: 65 Resp: 135909

Ion	Ratio	Lower	Upper
65	100		
67	50.6	37.7	70.1
51	39.4	511.6	950.2#

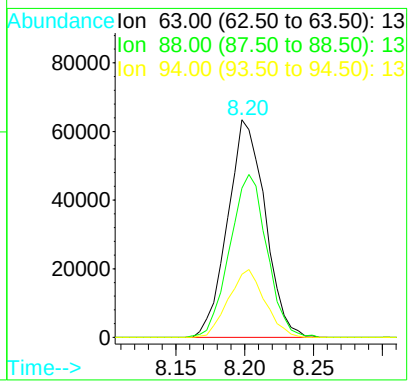


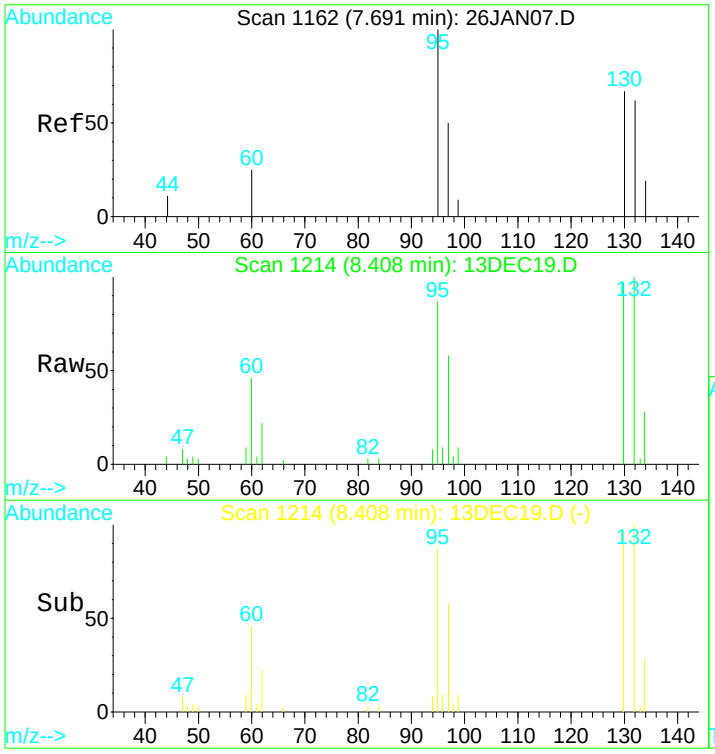


#26
1,4-Difluorobenzene IS#2
Concen: 10.00 ug/L
RT: 8.20 min Scan# 1173
Delta R.T. -0.00 min
Lab File: 13DEC19.D
Acq: 13 Dec 2022 12:56 pm

Tgt Ion: 63 Resp: 120316

Ion	Ratio	Lower	Upper
63	100		
88	74.0	52.1	96.7
94	30.3	19.7	36.7

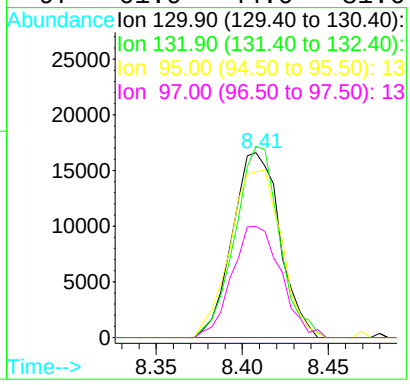


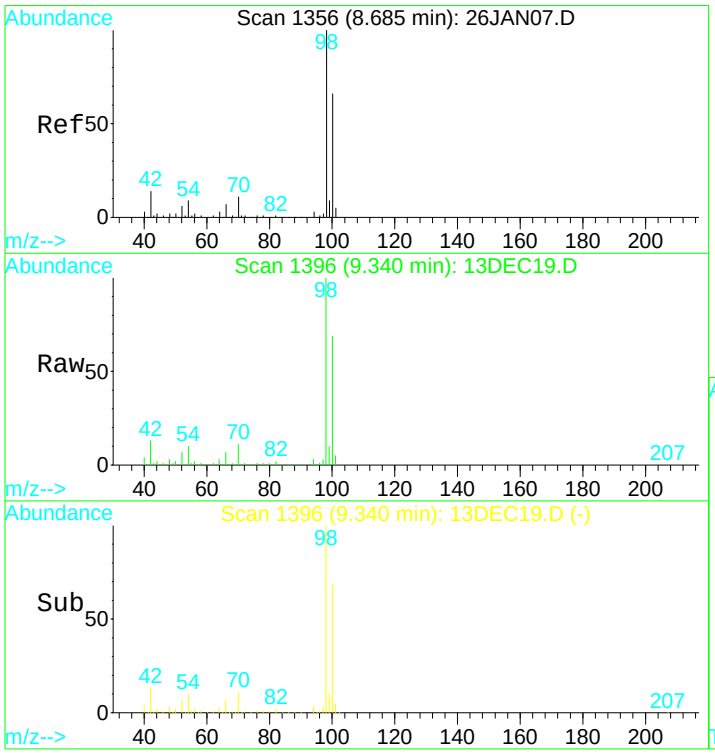


#27
Trichloroethene
Concen: 1.54 ug/L
RT: 8.41 min Scan# 1214
Delta R.T. -0.00 min
Lab File: 13DEC19.D
Acq: 13 Dec 2022 12:56 pm

Tgt Ion:130 Resp: 31824

Ion	Ratio	Lower	Upper
130	100		
132	96.9	67.3	124.9
95	97.6	67.0	124.4
97	61.9	44.0	81.6

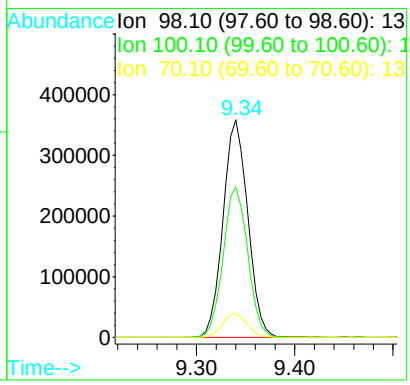


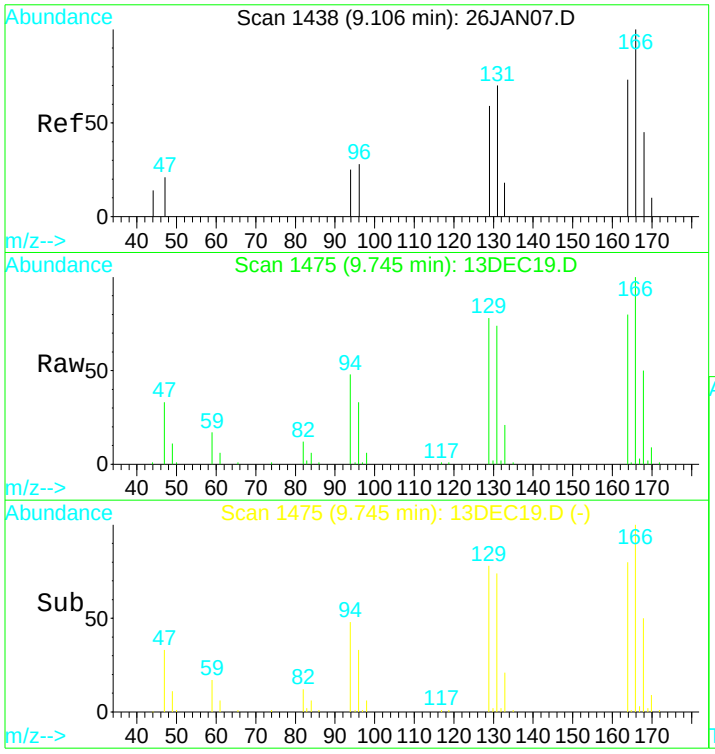


#33
Toluene d8 SMC#2
Concen: Below ug/L
RT: 9.34 min Scan# 1396
Delta R.T. -0.00 min
Lab File: 13DEC19.D
Acq: 13 Dec 2022 12:56 pm

Tgt Ion: 98 Resp: 626754

Ion	Ratio	Lower	Upper
98	100		
100	68.7	47.4	88.0
70	10.9	7.7	14.3

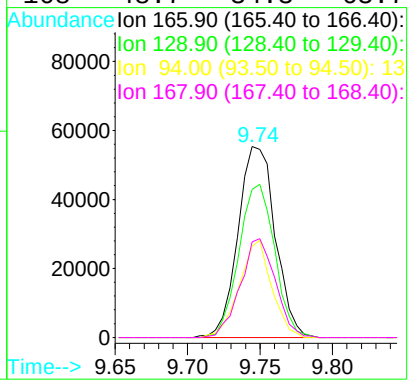


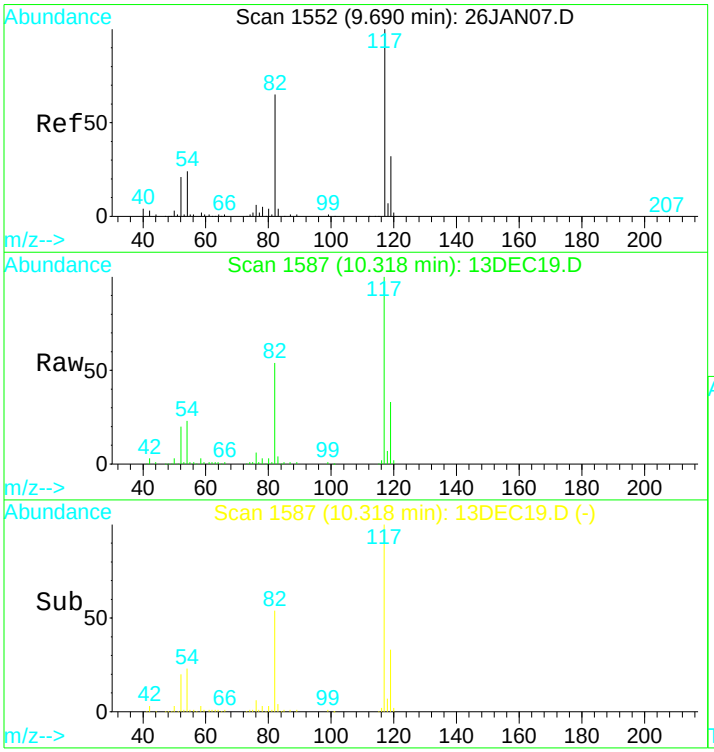


#37
Tetrachloroethene (PCE)
Concen: 5.14 ug/L
RT: 9.74 min Scan# 1475
Delta R.T. -0.00 min
Lab File: 13DEC19.D
Acq: 13 Dec 2022 12:56 pm

Tgt Ion:166 Resp: 98849

Ion	Ratio	Lower	Upper
166	100		
129	77.0	53.5	99.5
94	44.2	30.2	56.2
168	48.7	34.3	63.7

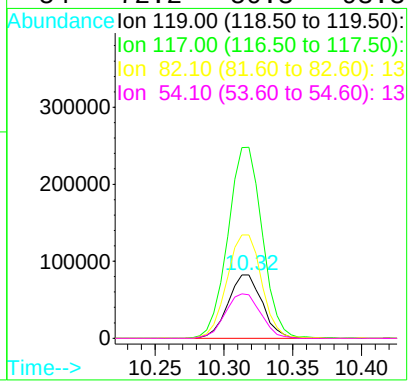


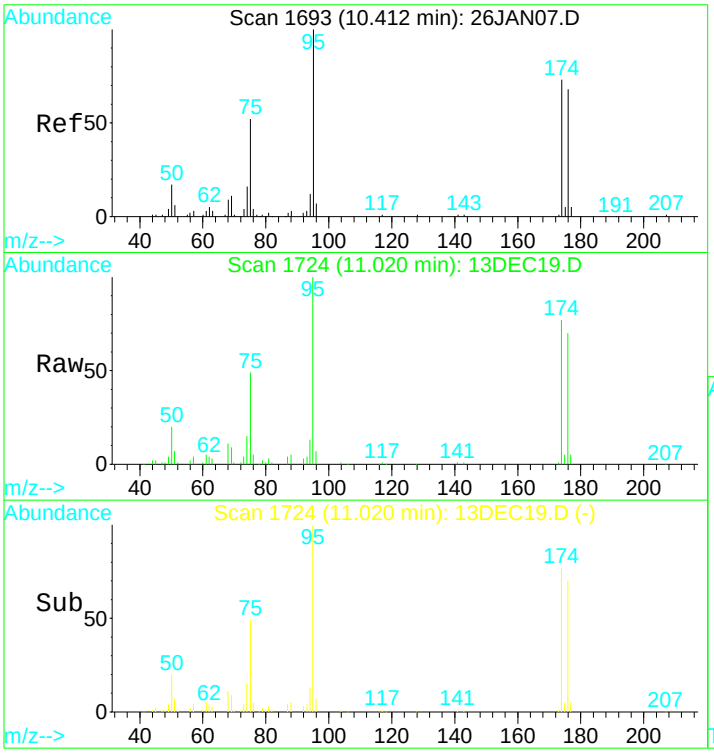


#41
Chlorobenzene d5 IS#3
Concen: 10.00 ug/L
RT: 10.32 min Scan# 1587
Delta R.T. 0.00 min
Lab File: 13DEC19.D
Acq: 13 Dec 2022 12:56 pm

Tgt Ion:119 Resp: 142323

Ion	Ratio	Lower	Upper
119	100		
117	302.5	210.3	390.6
82	165.3	119.1	221.3
54	72.2	50.3	93.3

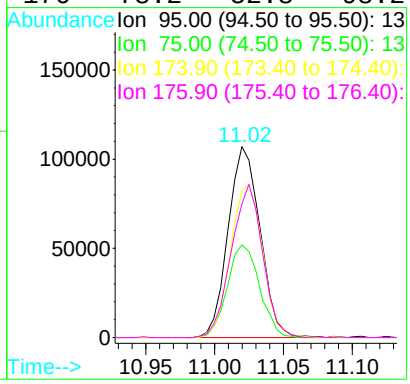




#51
Bromofluorobenzene SMC#3
Concen: N.D. ug/L
RT: 11.02 min Scan# 1724
Delta R.T. -0.00 min
Lab File: 13DEC19.D
Acq: 13 Dec 2022 12:56 pm

Tgt Ion: 95 Resp: 173035

Ion	Ratio	Lower	Upper
95	100		
75	48.9	31.7	58.9
174	81.0	54.2	100.6
176	78.2	52.8	98.2



Quantitation Report (QT Reviewed)

Data File : D:\DATA\DEC2022C\DEC13\13DEC19.D Vial: 19
Acq On : 13 Dec 2022 12:56 pm Operator: mgc
Sample : 2229425-08 Inst : MS-V5
Misc : 1 ;25ML;pH=2 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Dec 14 12:50 2022 Quant Results File: 82605CX.RES

Quant Method : C:\HPCHEM\1...\82605CX.M (RTE Integrator)
Title : EPA Method 8260C/DX
Last Update : Thu Dec 01 09:35:24 2022
Response via : Initial Calibration
DataAcq Meth : 82605

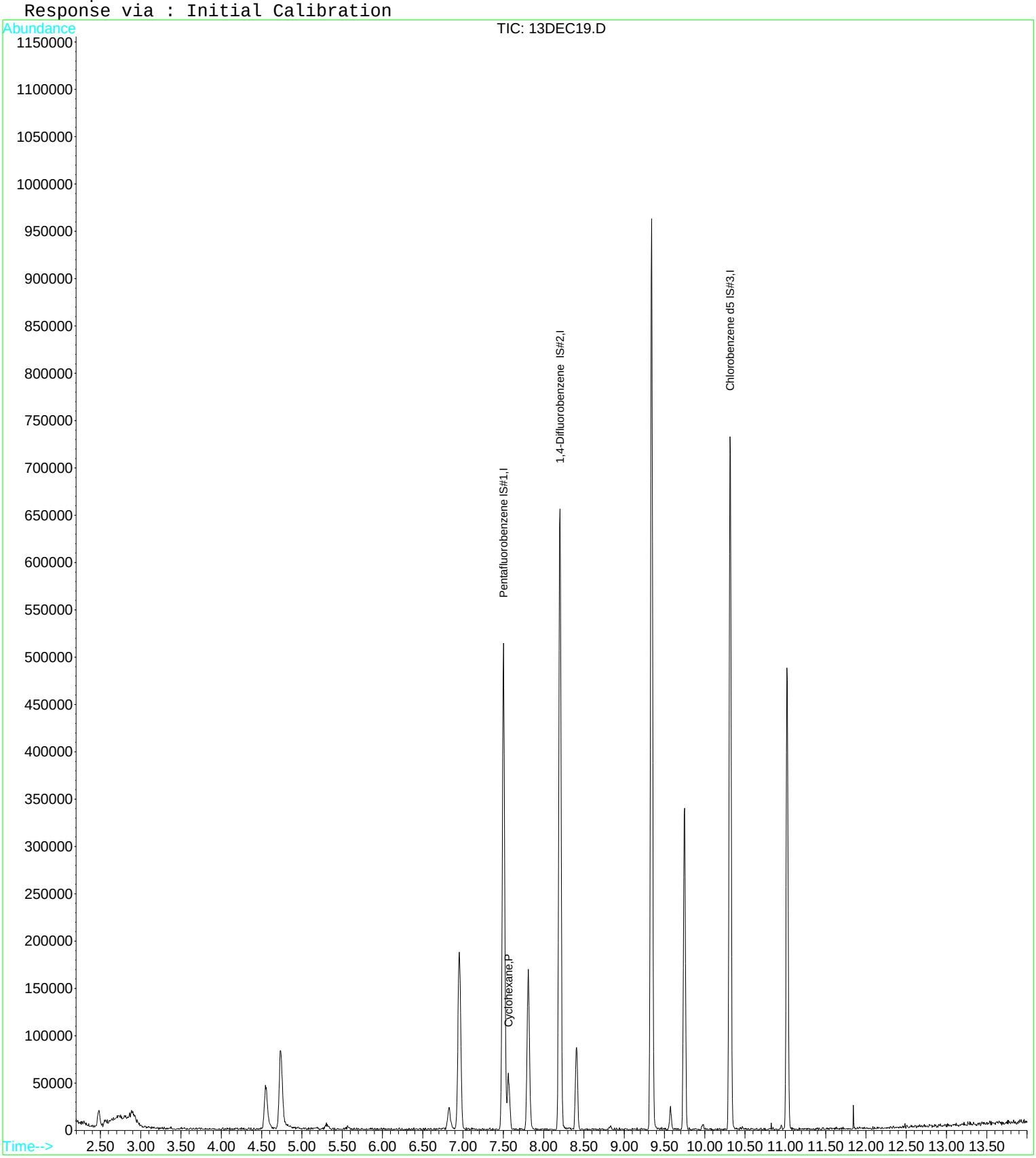
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene IS#1	7.50	137	60632	10.00	ug/L	0.00
29) 1,4-Difluorobenzene IS#2	8.20	63	120316	10.00	ug/L	0.00
36) Chlorobenzene d5 IS#3	10.32	119	142323	10.00	ug/L	0.00
Target Compounds						Qvalue
27) Cyclohexane	7.56	56	33095	0.86	ug/L	94

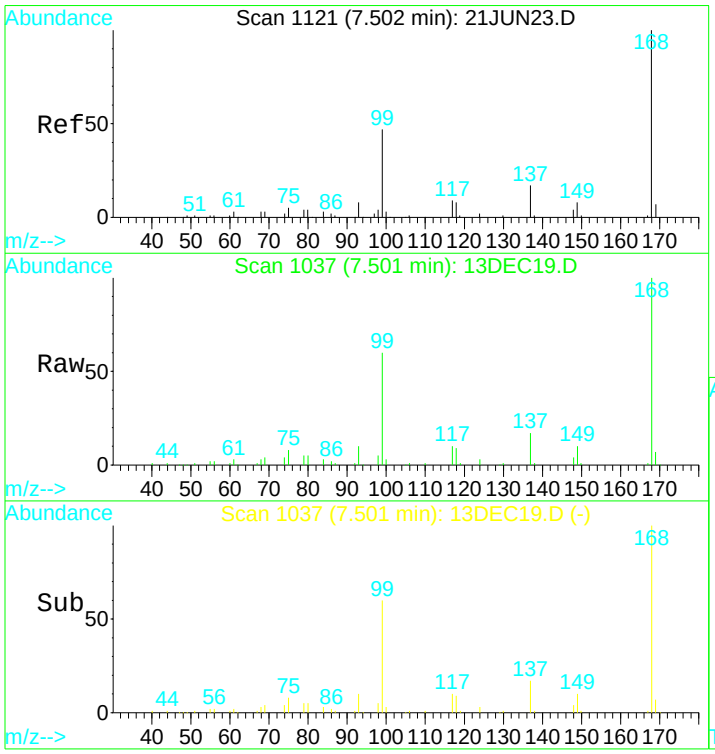
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : D:\DATA\DEC2022C\DEC13\13DEC19.D Vial: 19
Acq On : 13 Dec 2022 12:56 pm Operator: mgc
Sample : 2229425-08 Inst : MS-V5
Misc : 1 ;25ML;pH=2 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Dec 14 12:50 2022 Quant Results File: 82605CX.RES

Method : C:\HPCHEM\1\METHODS\C\202210\16-1301\82605CX.M (RTE Integrator)
Title : EPA Method 8260C/DX
Last Update : Thu Dec 01 09:35:24 2022
Response via : Initial Calibration

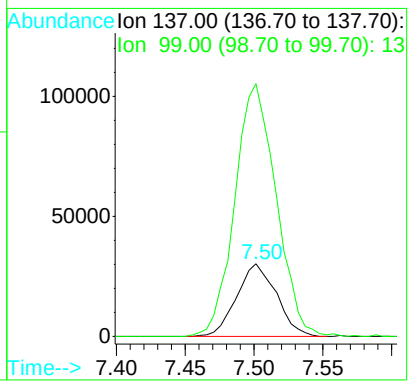


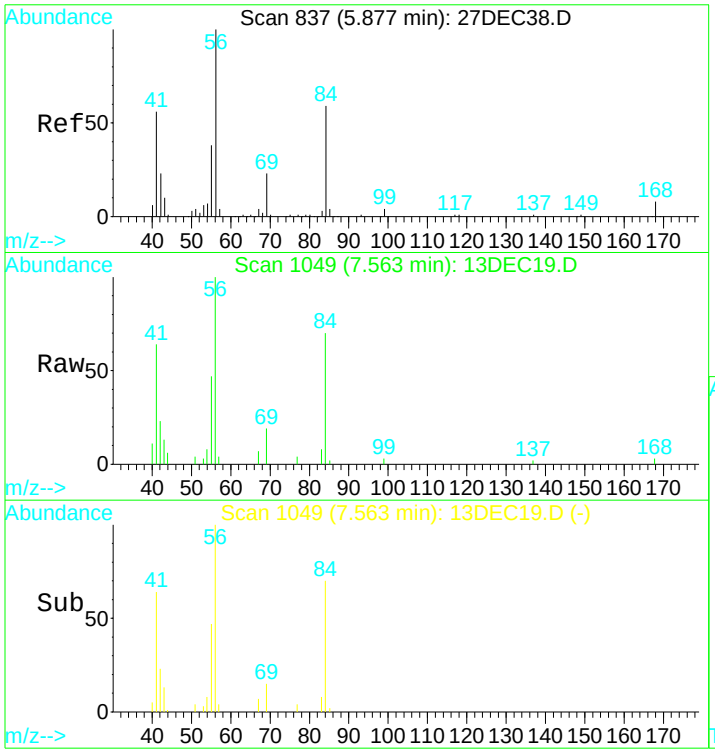


#1
Pentafluorobenzene IS#1
Concen: 10.00 ug/L
RT: 7.50 min Scan# 1037
Delta R.T. -0.00 min
Lab File: 13DEC19.D
Acq: 13 Dec 2022 12:56 pm

Tgt Ion:137 Resp: 60632

Ion	Ratio	Lower	Upper
137	100		
99	363.1	241.0	447.6

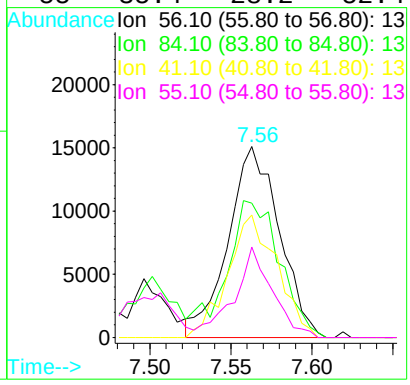


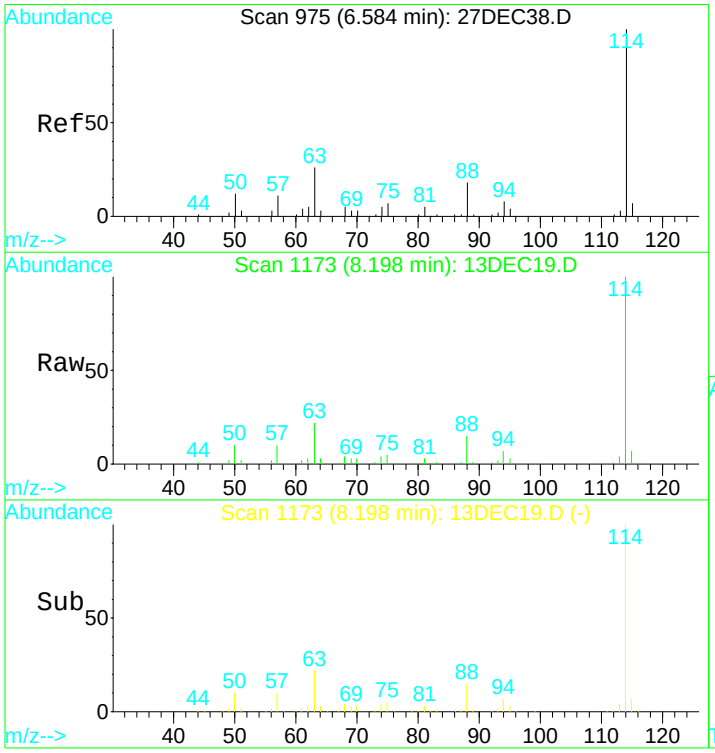


#27
Cyclohexane
Concen: 0.86 ug/L
RT: 7.56 min Scan# 1049
Delta R.T. -0.00 min
Lab File: 13DEC19.D
Acq: 13 Dec 2022 12:56 pm

Tgt Ion: 56 Resp: 33095

Ion	Ratio	Lower	Upper
56	100		
84	72.8	54.5	101.3
41	61.5	40.9	75.9
55	35.4	28.2	52.4

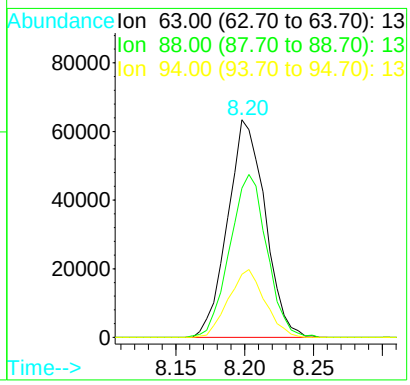


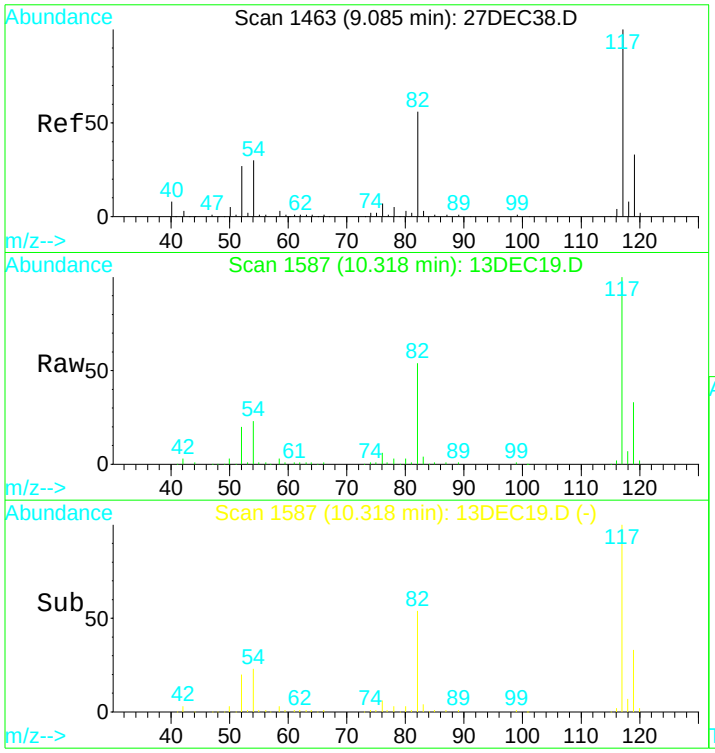


#29
1,4-Difluorobenzene IS#2
Concen: 10.00 ug/L
RT: 8.20 min Scan# 1173
Delta R.T. -0.01 min
Lab File: 13DEC19.D
Acq: 13 Dec 2022 12:56 pm

Tgt Ion: 63 Resp: 120316

Ion	Ratio	Lower	Upper
63	100		
88	74.0	54.9	102.1
94	30.3	21.0	39.0

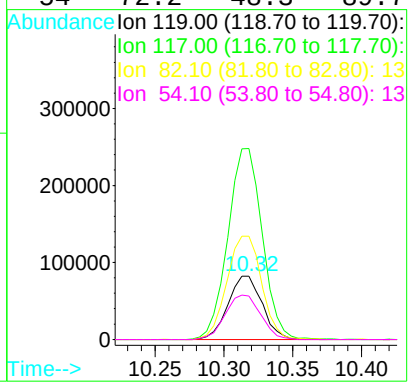




#36
Chlorobenzene d5 IS#3
Concen: 10.00 ug/L
RT: 10.32 min Scan# 1587
Delta R.T. 0.00 min
Lab File: 13DEC19.D
Acq: 13 Dec 2022 12:56 pm

Tgt Ion:119 Resp: 142323

Ion	Ratio	Lower	Upper
119	100		
117	302.5	215.7	400.5
82	165.3	118.3	219.7
54	72.2	48.3	89.7



Quantitation Report (QT Reviewed)

Data File : D:\DATA\DEC2022C\DEC13\13DEC20.D Vial: 20
Acq On : 13 Dec 2022 1:20 pm Operator: mgc
Sample : 2229425-09 Inst : MS-V5
Misc : 1 ;25ML;pH=2 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Dec 14 12:38 2022 Quant Results File: 82605C.RES

Quant Method : C:\HPCHEM\1...\82605C.M (RTE Integrator)
Title : EPA Method 8260C/D
Last Update : Thu Nov 17 08:03:26 2022
Response via : Initial Calibration
DataAcq Meth : 82605

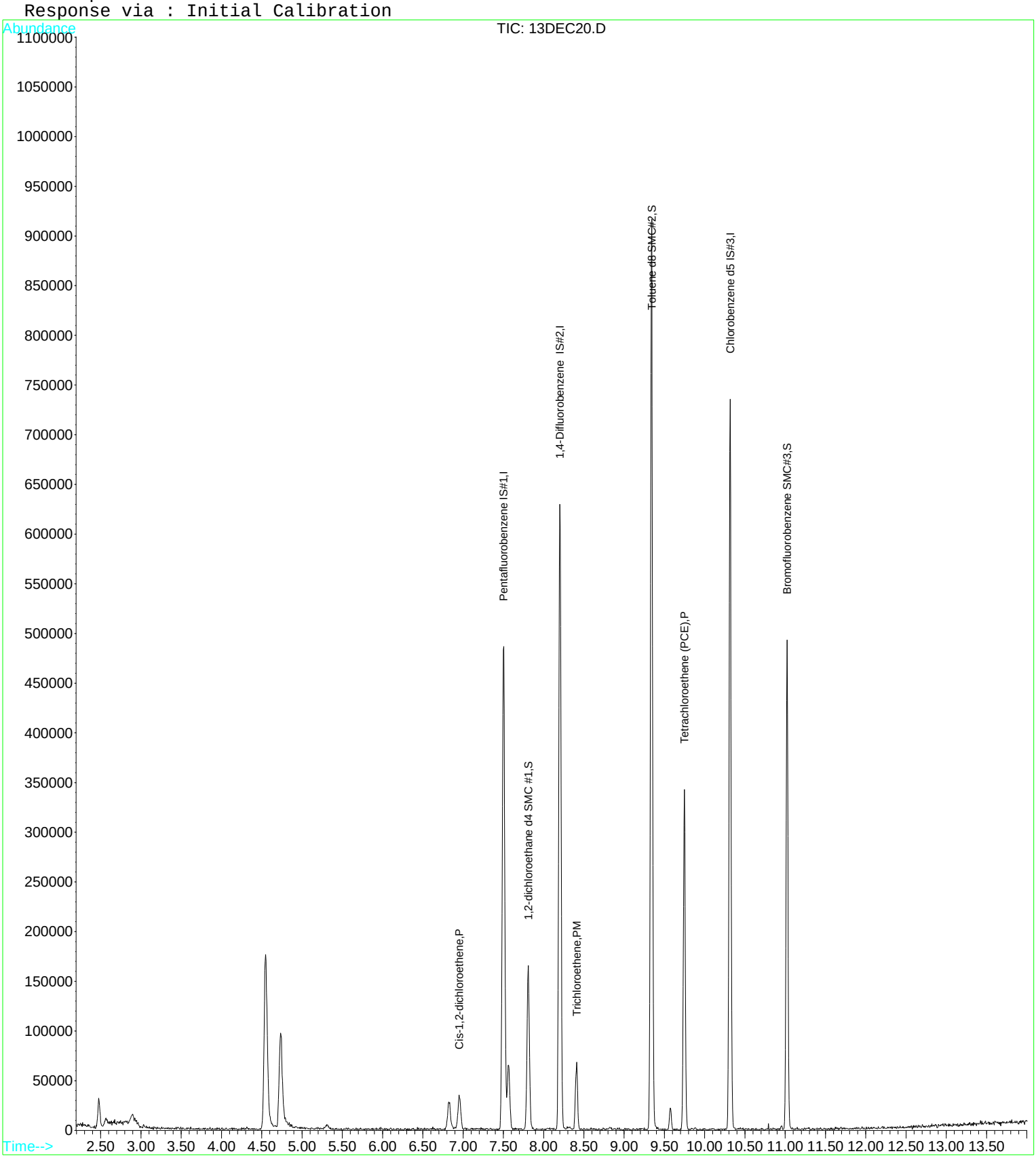
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene IS#1	7.50	137	60690	10.00	ug/L	0.00
26) 1,4-Difluorobenzene IS#2	8.20	63	116921	10.00	ug/L	0.00
41) Chlorobenzene d5 IS#3	10.32	119	138688	10.00	ug/L	0.00
System Monitoring Compounds						
23) 1,2-dichloroethane d4 SMC	7.81	65	128657	10.65	ug/L	0.00
Spiked Amount 10.000	Range 75 - 125		Recovery = 106.50%			
33) Toluene d8 SMC#2	9.34	98	605411	9.86	ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 98.60%			
51) Bromofluorobenzene SMC#3	11.02	95	172039	9.70	ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 97.00%			
Target Compounds						Qvalue
17) Cis-1,2-dichloroethene	6.95	96	18081	0.80	ug/L	92
27) Trichloroethene	8.42	130	25082	1.25	ug/L	92
37) Tetrachloroethene (PCE)	9.75	166	98798	5.29	ug/L	98

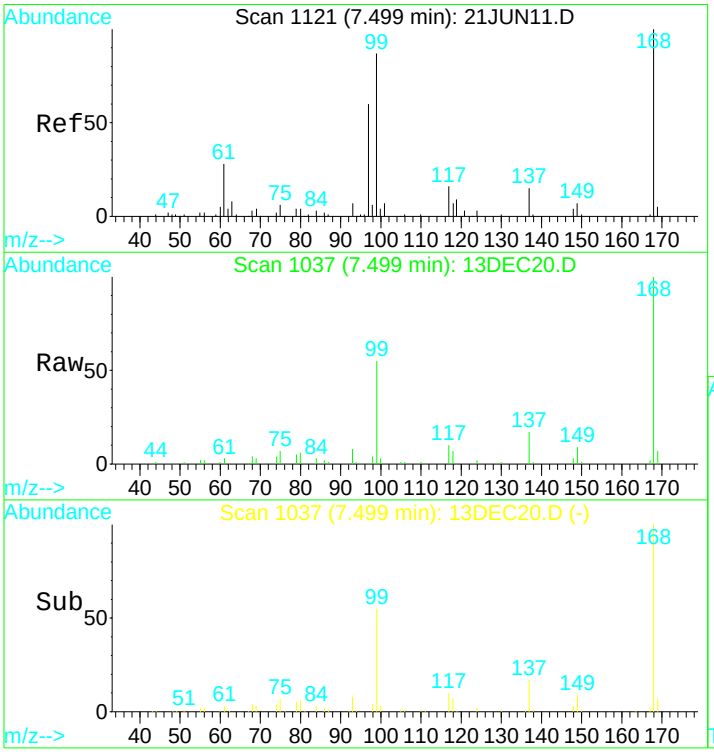
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : D:\DATA\DEC2022C\DEC13\13DEC20.D Vial: 20
Acq On : 13 Dec 2022 1:20 pm Operator: mgc
Sample : 2229425-09 Inst : MS-V5
Misc : 1 ;25ML;pH=2 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Dec 14 12:38 2022 Quant Results File: 82605C.RES

Method : C:\HPCHEM\1\METHODS\C\202211\14-1045\82605C.M (RTE Integrator)
Title : EPA Method 8260C/D
Last Update : Thu Nov 17 08:03:26 2022
Response via : Initial Calibration

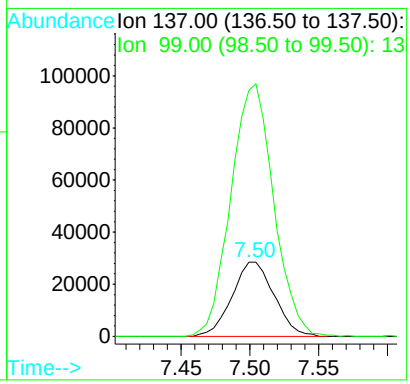


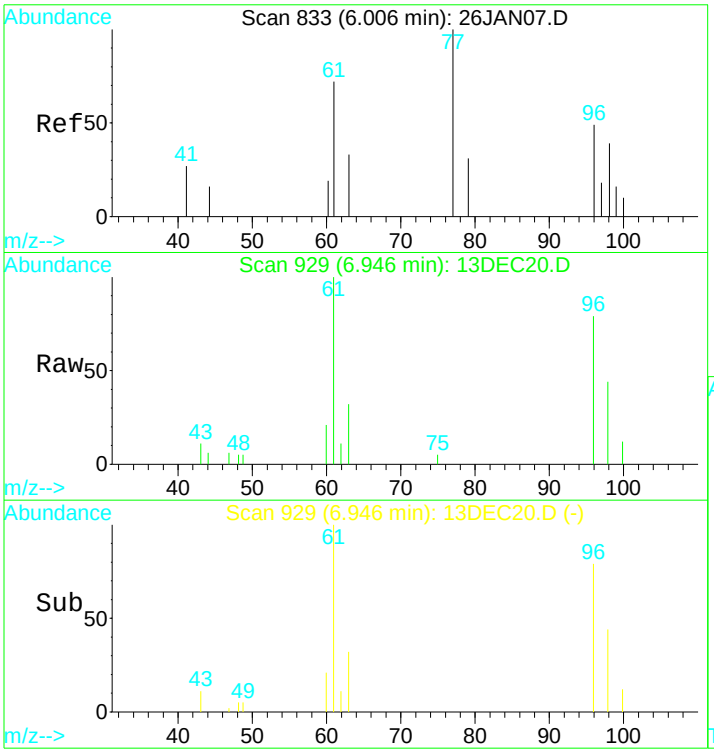


#1
Pentafluorobenzene IS#1
Concen: 10.00 ug/L
RT: 7.50 min Scan# 1037
Delta R.T. -0.00 min
Lab File: 13DEC20.D
Acq: 13 Dec 2022 1:20 pm

Tgt Ion:137 Resp: 60690

Ion	Ratio	Lower	Upper
137	100		
99	345.9	1402.2	2604.0#

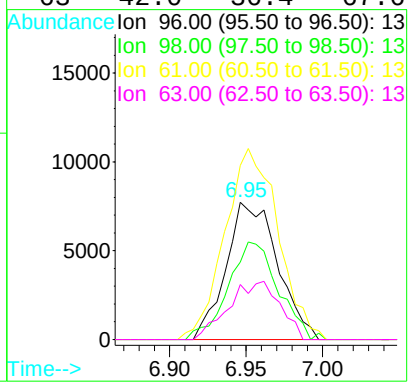


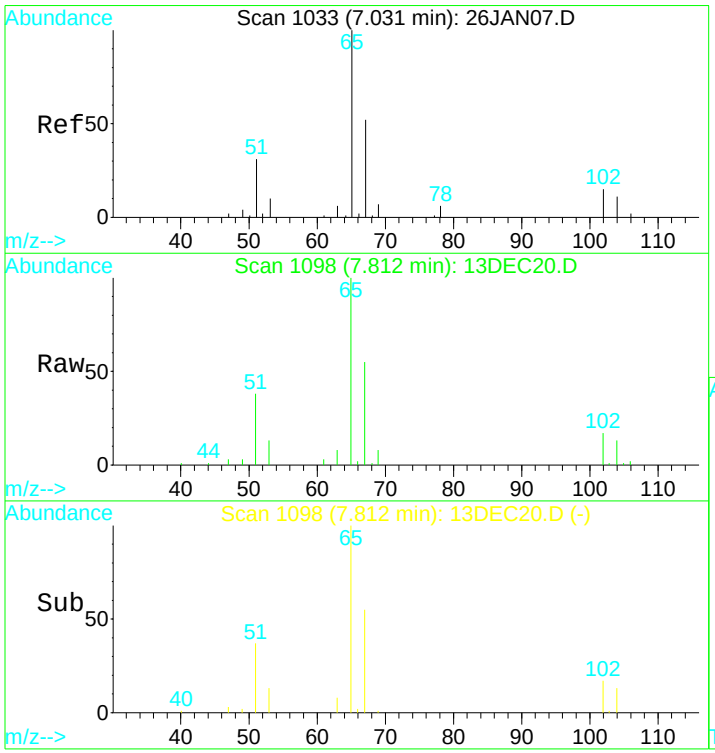


#17
Cis-1,2-dichloroethene
Concen: 0.80 ug/L
RT: 6.95 min Scan# 929
Delta R.T. -0.01 min
Lab File: 13DEC20.D
Acq: 13 Dec 2022 1:20 pm

Tgt Ion: 96 Resp: 18081

Ion	Ratio	Lower	Upper
96	100		
98	68.8	45.8	85.2
61	143.7	108.0	200.6
63	42.0	36.4	67.6

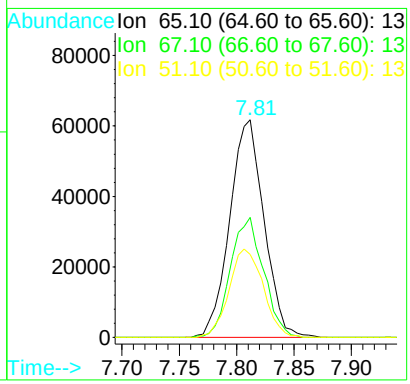


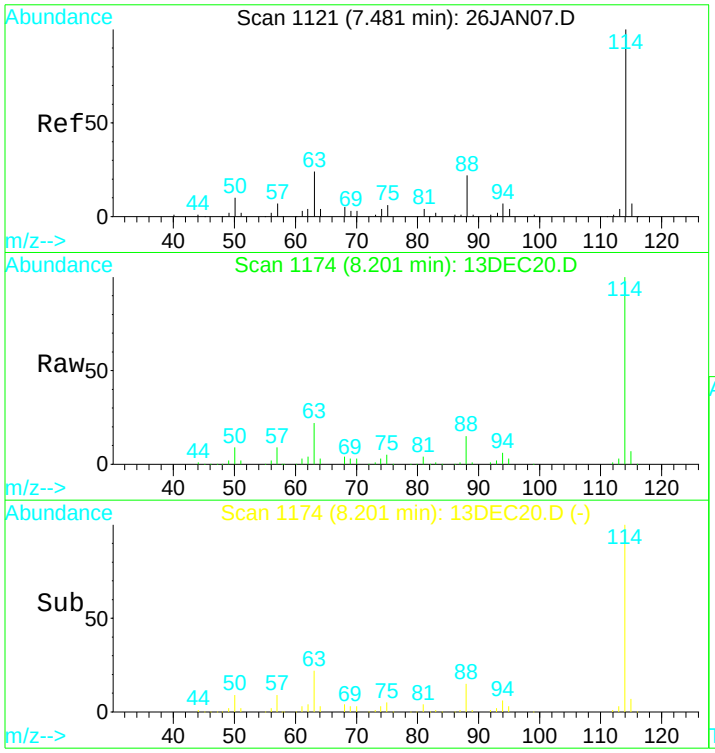


#23
1,2-dichloroethane d4 SMC #1
Concen: N.D. ug/L
RT: 7.81 min Scan# 1098
Delta R.T. -0.00 min
Lab File: 13DEC20.D
Acq: 13 Dec 2022 1:20 pm

Tgt Ion: 65 Resp: 128657

Ion	Ratio	Lower	Upper
65	100		
67	53.2	37.7	70.1
51	40.3	511.6	950.2#

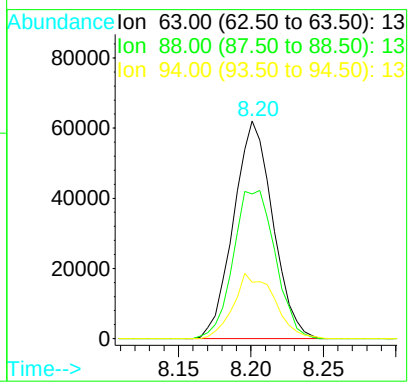


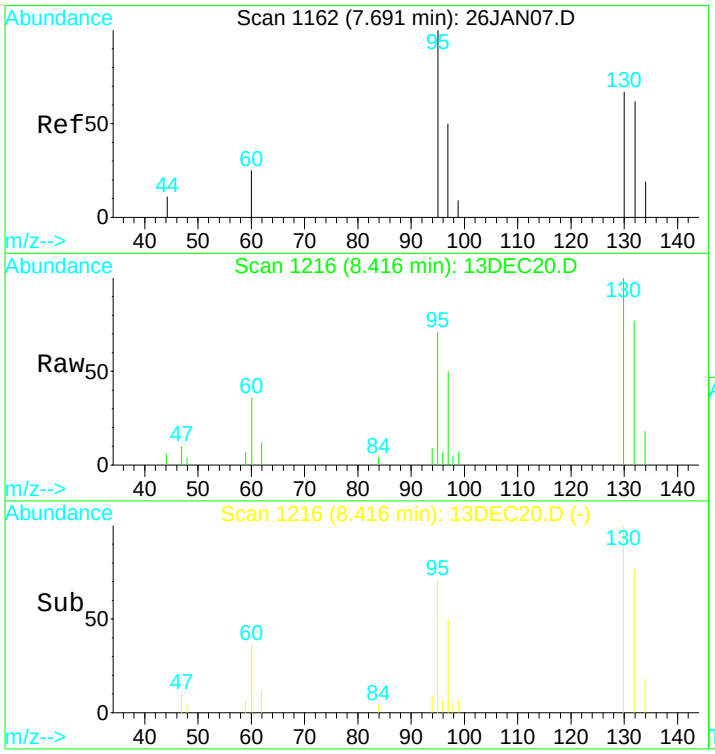


#26
1,4-Difluorobenzene IS#2
Concen: 10.00 ug/L
RT: 8.20 min Scan# 1174
Delta R.T. -0.00 min
Lab File: 13DEC20.D
Acq: 13 Dec 2022 1:20 pm

Tgt Ion: 63 Resp: 116921

Ion	Ratio	Lower	Upper
63	100		
88	72.8	52.1	96.7
94	31.1	19.7	36.7

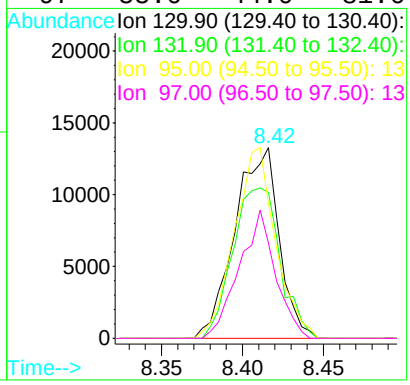


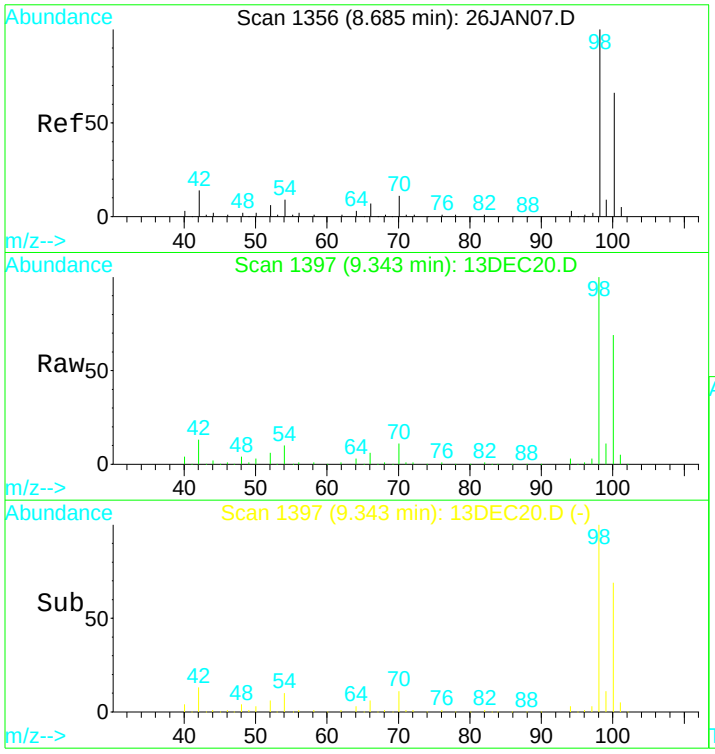


#27
Trichloroethene
Concen: 1.25 ug/L
RT: 8.42 min Scan# 1216
Delta R.T. 0.01 min
Lab File: 13DEC20.D
Acq: 13 Dec 2022 1:20 pm

Tgt Ion:130 Resp: 25082

Ion	Ratio	Lower	Upper
130	100		
132	84.4	67.3	124.9
95	93.3	67.0	124.4
97	55.0	44.0	81.6

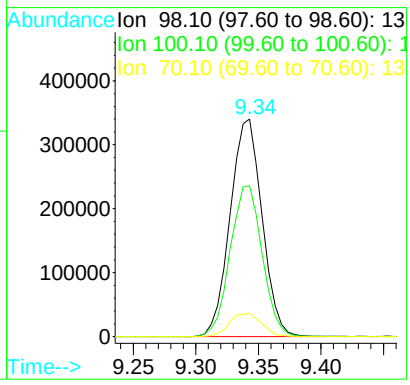


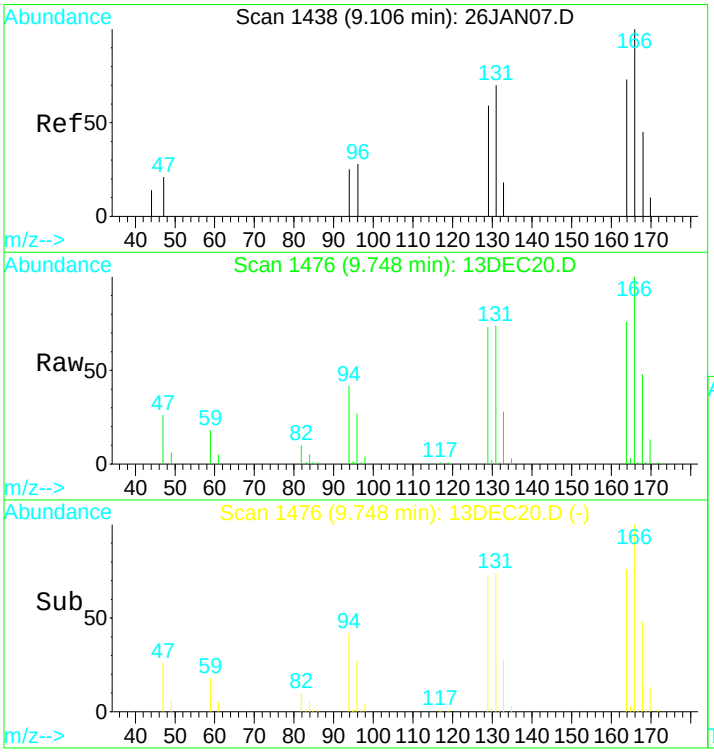


#33
Toluene d8 SMC#2
Concen: N.D. ug/L
RT: 9.34 min Scan# 1397
Delta R.T. -0.00 min
Lab File: 13DEC20.D
Acq: 13 Dec 2022 1:20 pm

Tgt Ion: 98 Resp: 605411

Ion	Ratio	Lower	Upper
98	100		
100	69.4	47.4	88.0
70	10.8	7.7	14.3

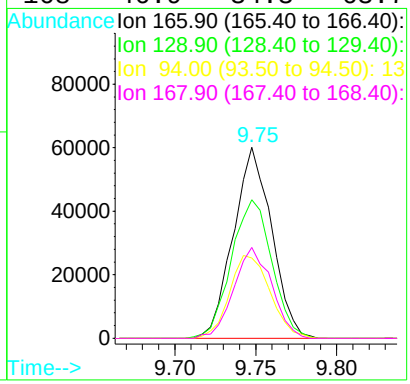


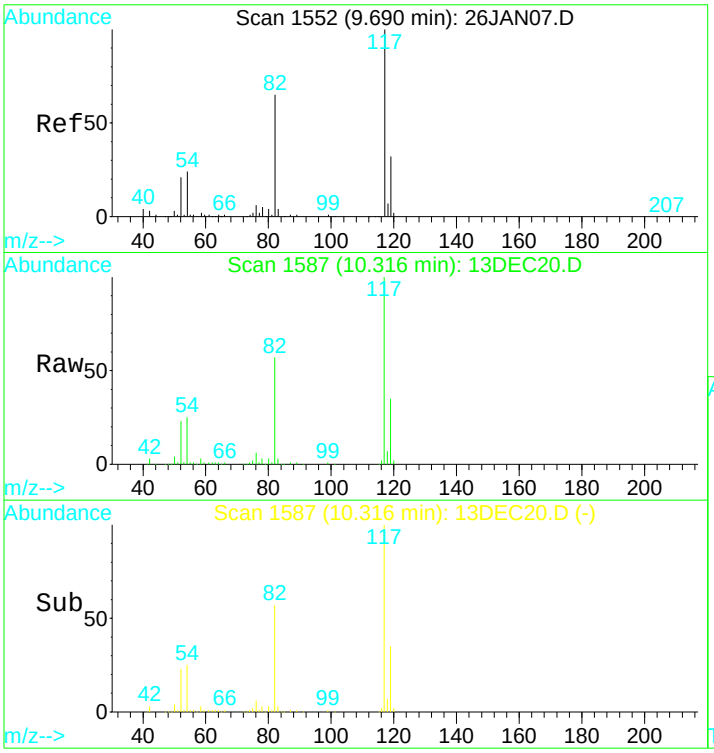


#37
Tetrachloroethene (PCE)
Concen: 5.29 ug/L
RT: 9.75 min Scan# 1476
Delta R.T. -0.00 min
Lab File: 13DEC20.D
Acq: 13 Dec 2022 1:20 pm

Tgt Ion:166 Resp: 98798

Ion	Ratio	Lower	Upper
166	100		
129	76.7	53.5	99.5
94	45.8	30.2	56.2
168	46.9	34.3	63.7

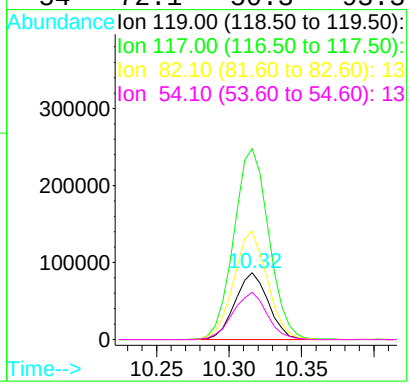


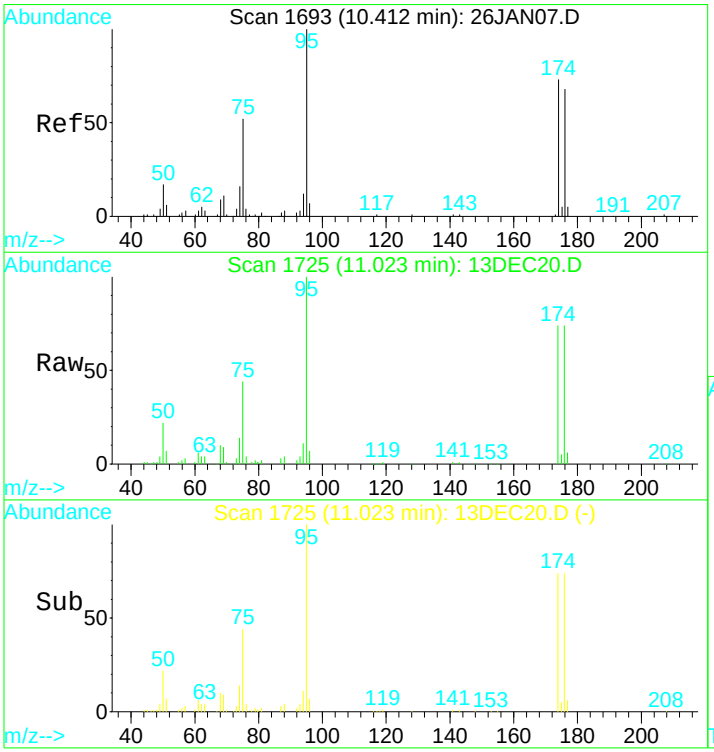


#41
Chlorobenzene d5 IS#3
Concen: 10.00 ug/L
RT: 10.32 min Scan# 1587
Delta R.T. -0.00 min
Lab File: 13DEC20.D
Acq: 13 Dec 2022 1:20 pm

Tgt Ion:119 Resp: 138688

Ion	Ratio	Lower	Upper
119	100		
117	299.5	210.3	390.6
82	163.6	119.1	221.3
54	72.1	50.3	93.3

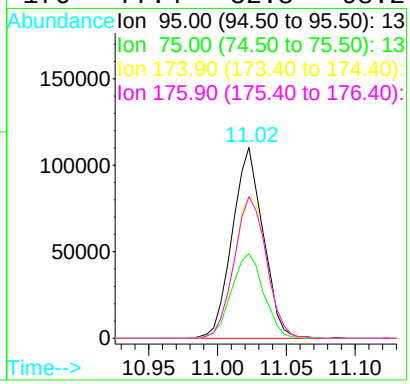




#51
Bromofluorobenzene SMC#3
Concen: N.D. ug/L
RT: 11.02 min Scan# 1725
Delta R.T. -0.00 min
Lab File: 13DEC20.D
Acq: 13 Dec 2022 1:20 pm

Tgt Ion: 95 Resp: 172039

Ion	Ratio	Lower	Upper
95	100		
75	46.3	31.7	58.9
174	78.7	54.2	100.6
176	77.4	52.8	98.2



Quantitation Report (QT Reviewed)

Data File : D:\DATA\DEC2022C\DEC13\13DEC20.D Vial: 20
Acq On : 13 Dec 2022 1:20 pm Operator: mgc
Sample : 2229425-09 Inst : MS-V5
Misc : 1 ;25ML;pH=2 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Dec 14 12:50 2022 Quant Results File: 82605CX.RES

Quant Method : C:\HPCHEM\1...\82605CX.M (RTE Integrator)
Title : EPA Method 8260C/DX
Last Update : Thu Dec 01 09:35:24 2022
Response via : Initial Calibration
DataAcq Meth : 82605

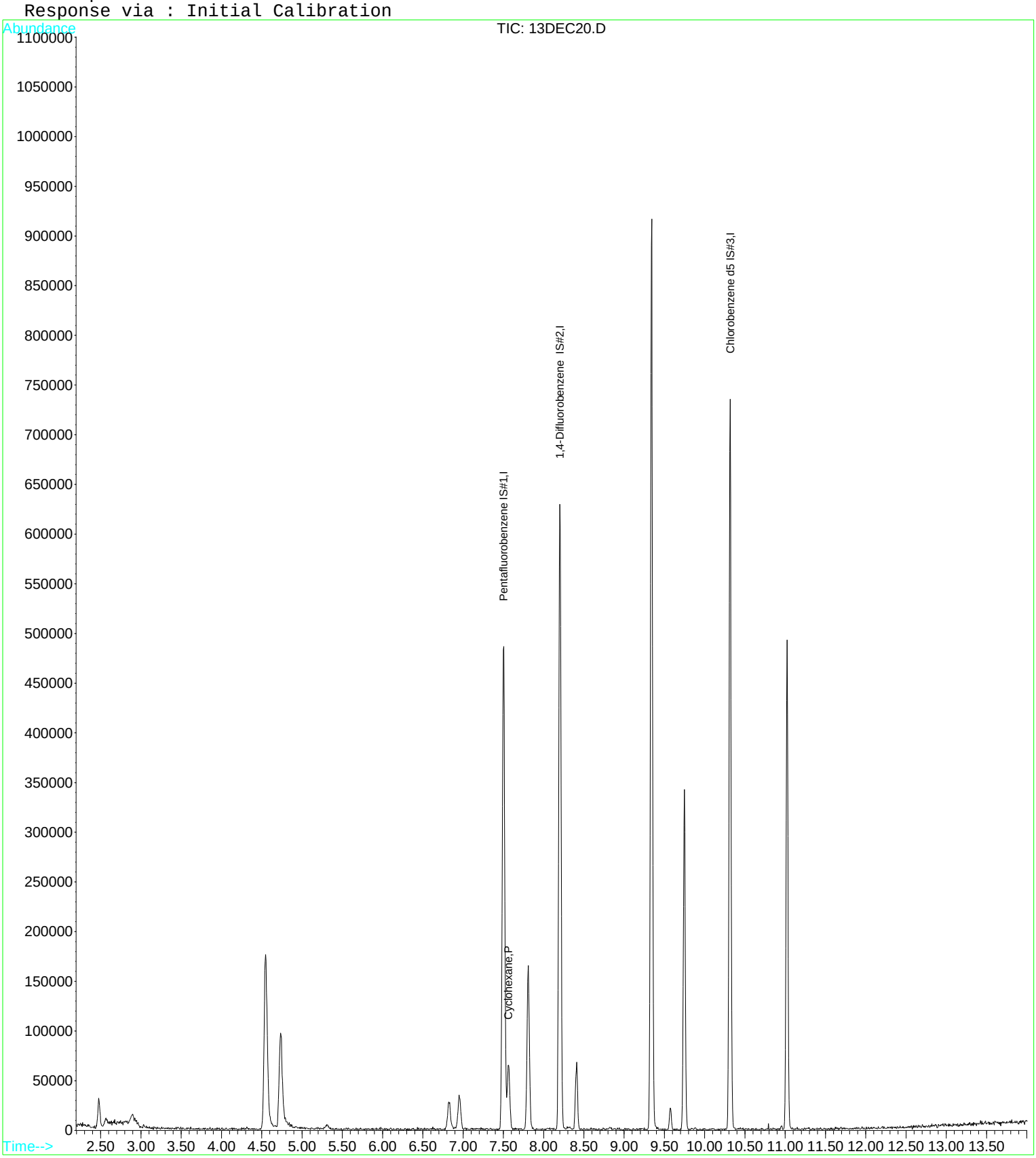
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene IS#1	7.50	137	60690	10.00	ug/L	0.00
29) 1,4-Difluorobenzene IS#2	8.20	63	116921	10.00	ug/L	0.00
36) Chlorobenzene d5 IS#3	10.32	119	138688	10.00	ug/L	0.00
Target Compounds						Qvalue
27) Cyclohexane	7.57	56	40102	1.04	ug/L	91

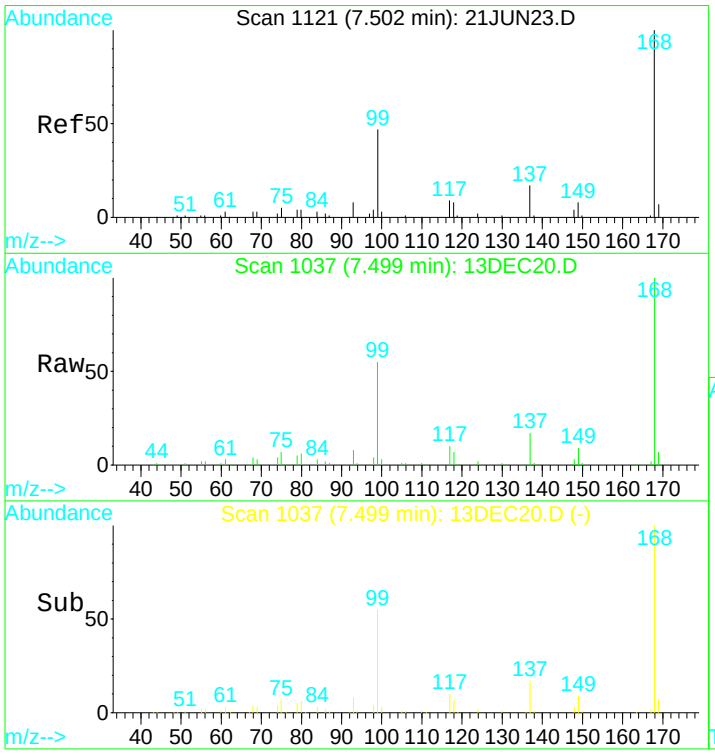
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : D:\DATA\DEC2022C\DEC13\13DEC20.D Vial: 20
Acq On : 13 Dec 2022 1:20 pm Operator: mgc
Sample : 2229425-09 Inst : MS-V5
Misc : 1 ;25ML;pH=2 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Dec 14 12:50 2022 Quant Results File: 82605CX.RES

Method : C:\HPCHEM\1\METHODS\C\202210\16-1301\82605CX.M (RTE Integrator)
Title : EPA Method 8260C/DX
Last Update : Thu Dec 01 09:35:24 2022
Response via : Initial Calibration

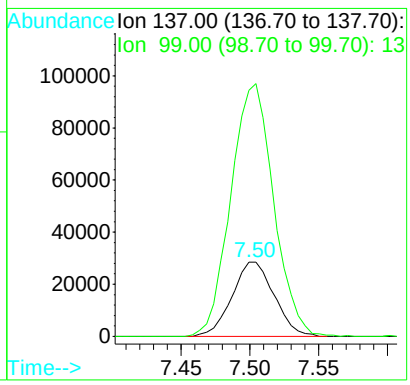


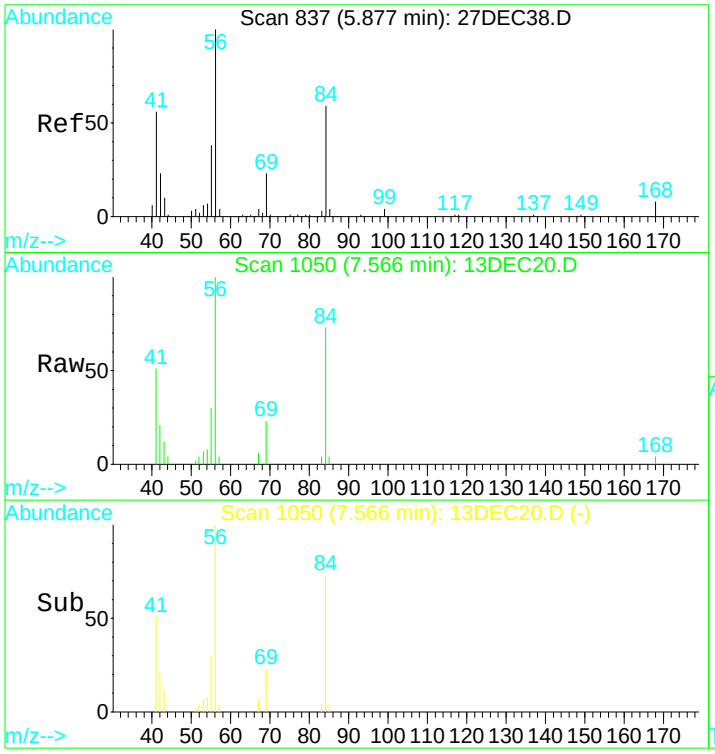


#1
Pentafluorobenzene IS#1
Concen: 10.00 ug/L
RT: 7.50 min Scan# 1037
Delta R.T. -0.00 min
Lab File: 13DEC20.D
Acq: 13 Dec 2022 1:20 pm

Tgt Ion:137 Resp: 60690

Ion	Ratio	Lower	Upper
137	100		
99	345.9	241.0	447.6

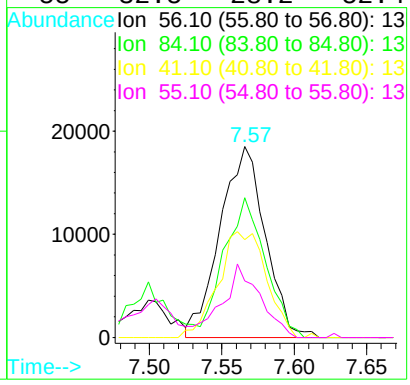


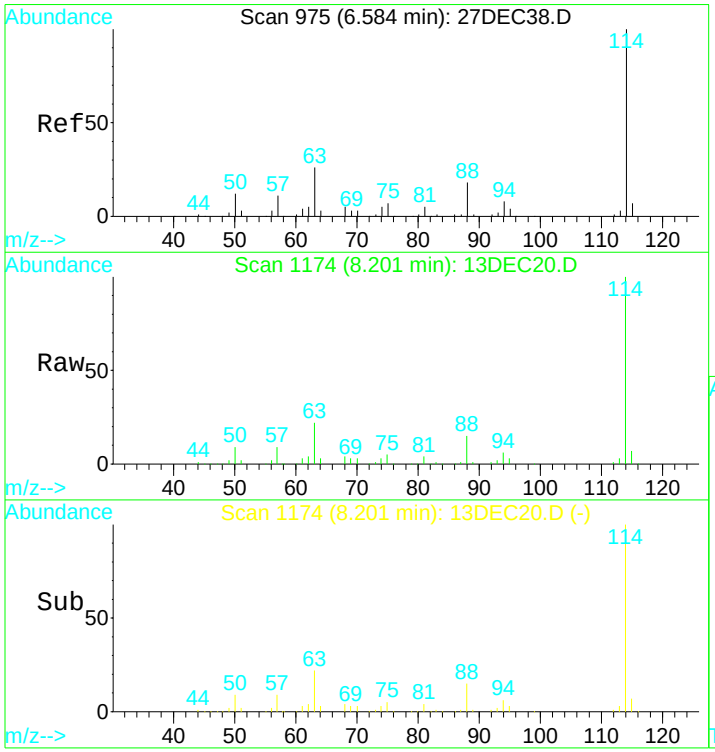


#27
Cyclohexane
Concen: 1.04 ug/L
RT: 7.57 min Scan# 1050
Delta R.T. 0.00 min
Lab File: 13DEC20.D
Acq: 13 Dec 2022 1:20 pm

Tgt Ion: 56 Resp: 40102

Ion	Ratio	Lower	Upper
56	100		
84	66.8	54.5	101.3
41	59.1	40.9	75.9
55	32.5	28.2	52.4

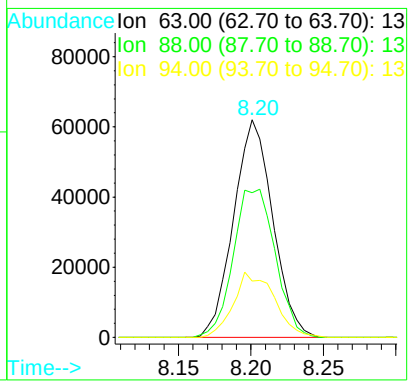


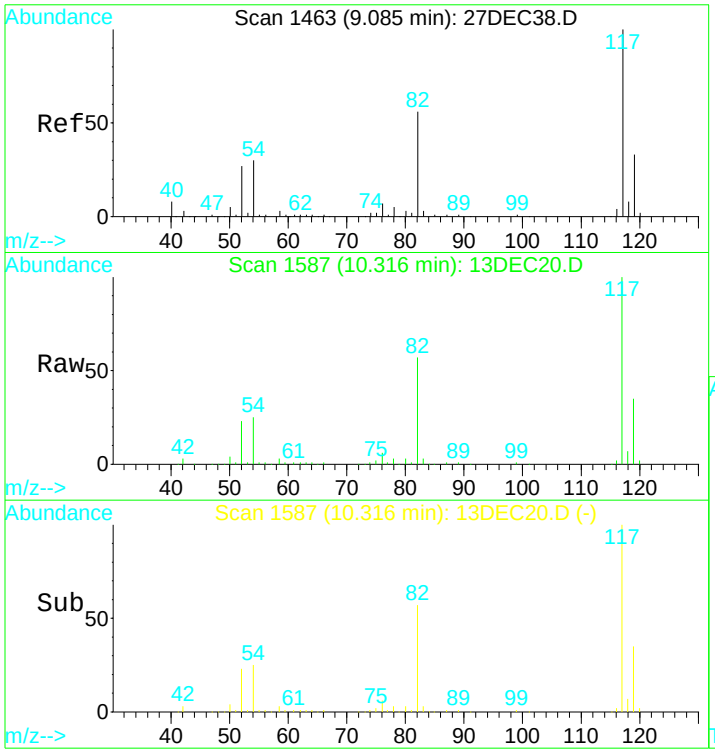


#29
1,4-Difluorobenzene IS#2
Concen: 10.00 ug/L
RT: 8.20 min Scan# 1174
Delta R.T. -0.00 min
Lab File: 13DEC20.D
Acq: 13 Dec 2022 1:20 pm

Tgt Ion: 63 Resp: 116921

Ion	Ratio	Lower	Upper
63	100		
88	72.8	54.9	102.1
94	31.1	21.0	39.0

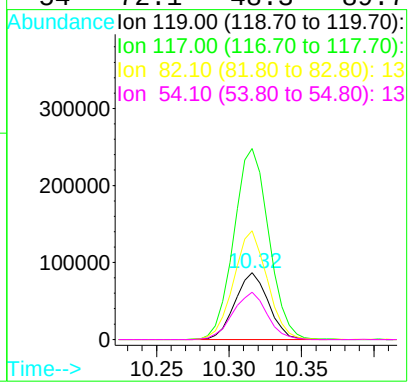




#36
Chlorobenzene d5 IS#3
Concen: 10.00 ug/L
RT: 10.32 min Scan# 1587
Delta R.T. 0.00 min
Lab File: 13DEC20.D
Acq: 13 Dec 2022 1:20 pm

Tgt Ion:119 Resp: 138688

Ion	Ratio	Lower	Upper
119	100		
117	299.5	215.7	400.5
82	163.6	118.3	219.7
54	72.1	48.3	89.7



Quantitation Report (QT Reviewed)

Data File : D:\DATA\DEC2022C\DEC13\13DEC21.D Vial: 21
Acq On : 13 Dec 2022 1:44 pm Operator: mgc
Sample : 2229425-10 Inst : MS-V5
Misc : 1 ;25ML;pH=2 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Dec 14 12:39 2022 Quant Results File: 82605C.RES

Quant Method : C:\HPCHEM\1...\82605C.M (RTE Integrator)
Title : EPA Method 8260C/D
Last Update : Thu Nov 17 08:03:26 2022
Response via : Initial Calibration
DataAcq Meth : 82605

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene IS#1	7.50	137	61909	10.00	ug/L	0.00
26) 1,4-Difluorobenzene IS#2	8.20	63	113653	10.00	ug/L	0.00
41) Chlorobenzene d5 IS#3	10.31	119	133048	10.00	ug/L	0.00
System Monitoring Compounds						
23) 1,2-dichloroethane d4 SMC	7.81	65	129568	10.51	ug/L	0.00
Spiked Amount 10.000	Range 75 - 125		Recovery = 105.10%			
33) Toluene d8 SMC#2	9.34	98	593029	9.94	ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 99.40%			
51) Bromofluorobenzene SMC#3	11.02	95	166756	9.80	ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 98.00%			

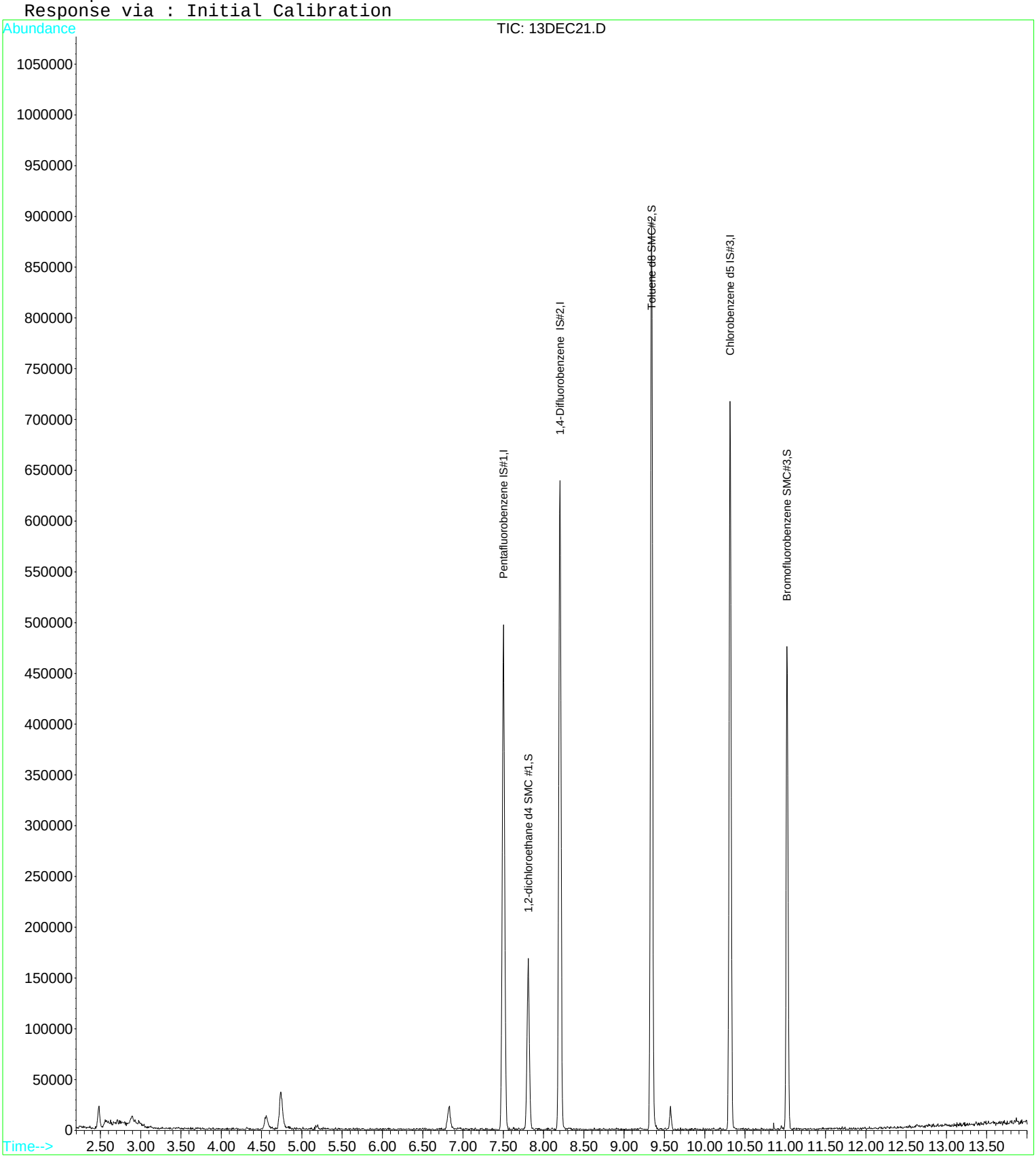
Target Compounds Qvalue

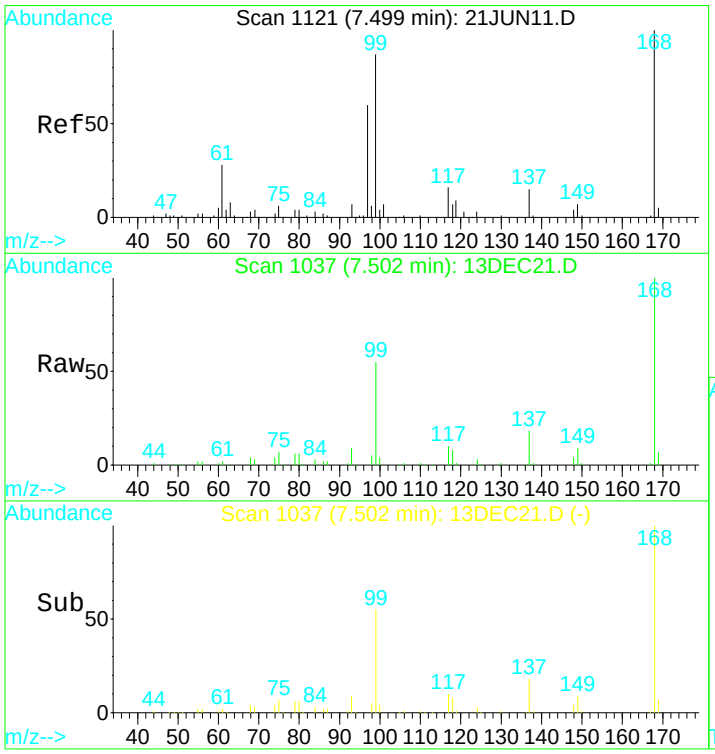
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : D:\DATA\DEC2022C\DEC13\13DEC21.D Vial: 21
Acq On : 13 Dec 2022 1:44 pm Operator: mgc
Sample : 2229425-10 Inst : MS-V5
Misc : 1 ;25ML;pH=2 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Dec 14 12:39 2022 Quant Results File: 82605C.RES

Method : C:\HPCHEM\1\METHODS\C\202211\14-1045\82605C.M (RTE Integrator)
Title : EPA Method 8260C/D
Last Update : Thu Nov 17 08:03:26 2022
Response via : Initial Calibration

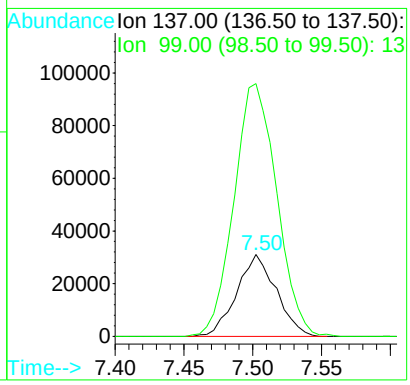


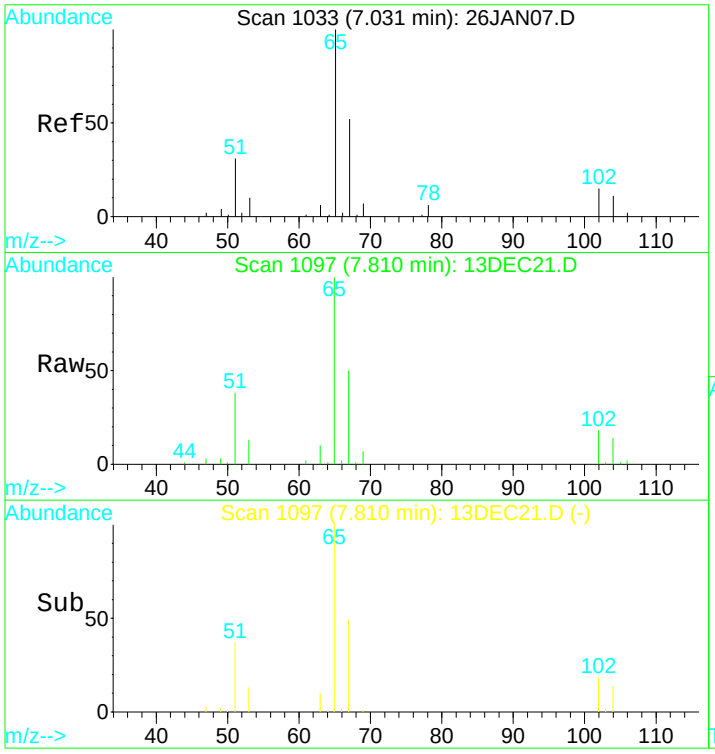


#1
Pentafluorobenzene IS#1
Concen: 10.00 ug/L
RT: 7.50 min Scan# 1037
Delta R.T. 0.00 min
Lab File: 13DEC21.D
Acq: 13 Dec 2022 1:44 pm

Tgt Ion:137 Resp: 61909

Ion	Ratio	Lower	Upper
137	100		
99	335.2	1402.2	2604.0#

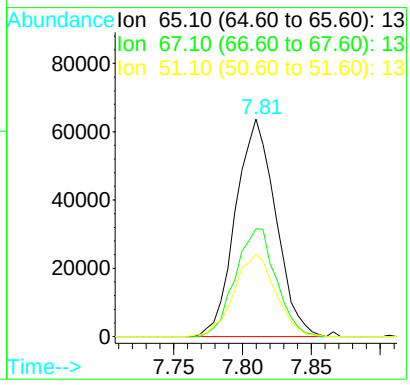


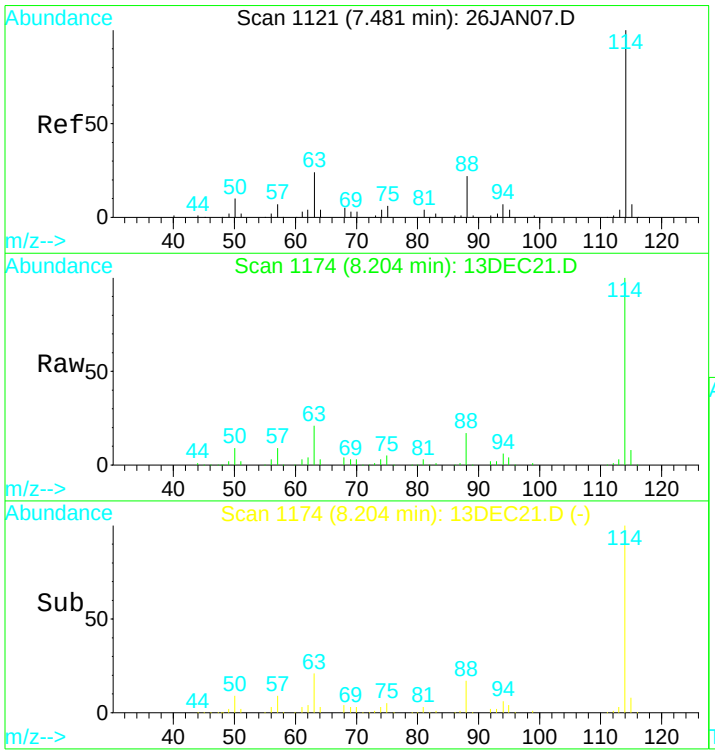


#23
1,2-dichloroethane d4 SMC #1
Concen: N.D. ug/L
RT: 7.81 min Scan# 1097
Delta R.T. -0.00 min
Lab File: 13DEC21.D
Acq: 13 Dec 2022 1:44 pm

Tgt Ion: 65 Resp: 129568

Ion	Ratio	Lower	Upper
65	100		
67	50.2	37.7	70.1
51	39.3	511.6	950.2#

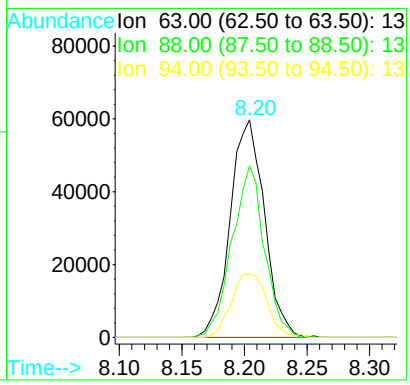


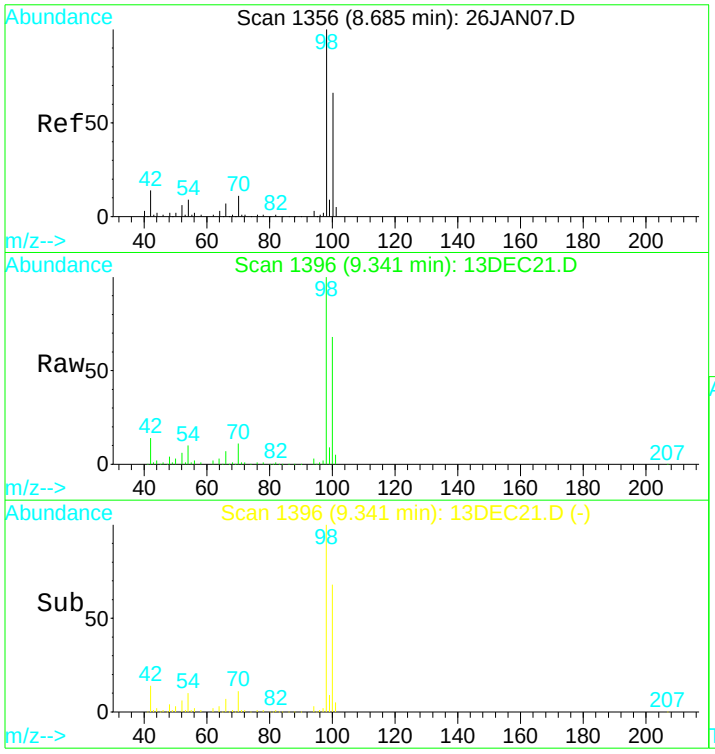


#26
1,4-Difluorobenzene IS#2
Concen: 10.00 ug/L
RT: 8.20 min Scan# 1174
Delta R.T. 0.00 min
Lab File: 13DEC21.D
Acq: 13 Dec 2022 1:44 pm

Tgt Ion: 63 Resp: 113653

Ion	Ratio	Lower	Upper
63	100		
88	74.8	52.1	96.7
94	30.5	19.7	36.7

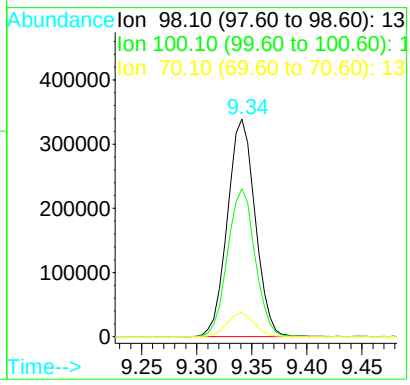


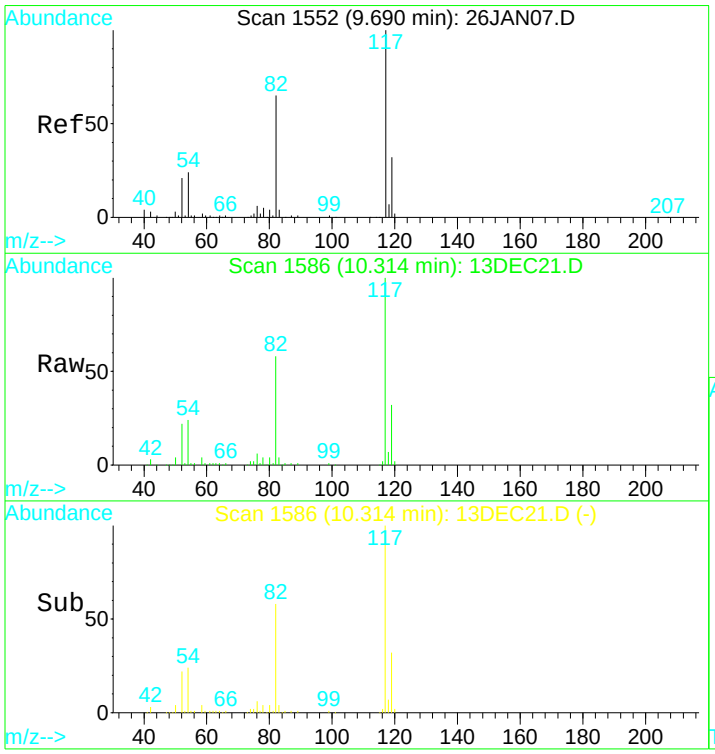


#33
Toluene d8 SMC#2
Concen: Below ug/L
RT: 9.34 min Scan# 1396
Delta R.T. -0.00 min
Lab File: 13DEC21.D
Acq: 13 Dec 2022 1:44 pm

Tgt Ion: 98 Resp: 593029

Ion	Ratio	Lower	Upper
98	100		
100	67.5	47.4	88.0
70	10.8	7.7	14.3

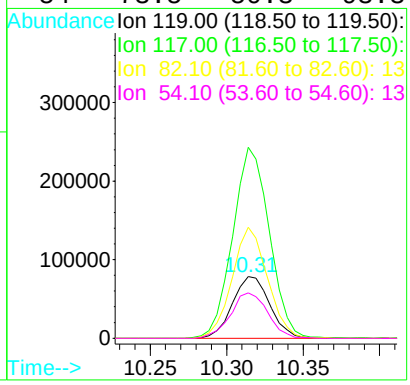


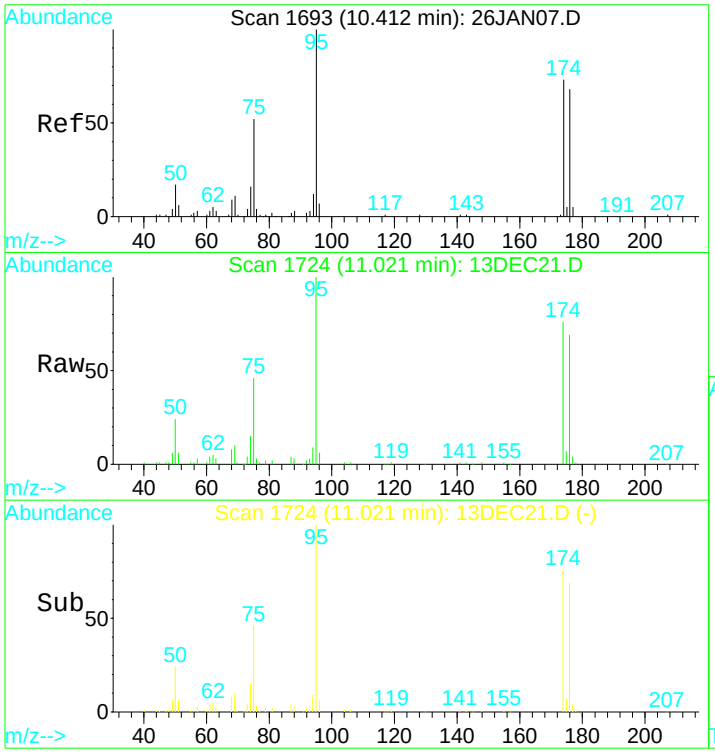


#41
Chlorobenzene d5 IS#3
Concen: 10.00 ug/L
RT: 10.31 min Scan# 1586
Delta R.T. -0.00 min
Lab File: 13DEC21.D
Acq: 13 Dec 2022 1:44 pm

Tgt Ion:119 Resp: 133048

Ion	Ratio	Lower	Upper
119	100		
117	305.0	210.3	390.6
82	170.6	119.1	221.3
54	73.5	50.3	93.3

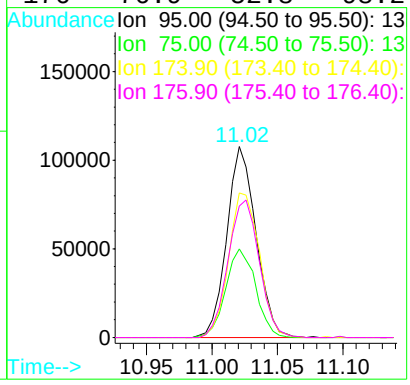




#51
Bromofluorobenzene SMC#3
Concen: Below ug/L
RT: 11.02 min Scan# 1724
Delta R.T. -0.00 min
Lab File: 13DEC21.D
Acq: 13 Dec 2022 1:44 pm

Tgt Ion: 95 Resp: 166756

Ion	Ratio	Lower	Upper
95	100		
75	47.4	31.7	58.9
174	79.7	54.2	100.6
176	76.9	52.8	98.2



Quantitation Report (QT Reviewed)

Data File : D:\DATA\DEC2022C\DEC13\13DEC21.D Vial: 21
Acq On : 13 Dec 2022 1:44 pm Operator: mgc
Sample : 2229425-10 Inst : MS-V5
Misc : 1 ;25ML;pH=2 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Dec 14 12:51 2022 Quant Results File: 82605CX.RES

Quant Method : C:\HPCHEM\1...\82605CX.M (RTE Integrator)
Title : EPA Method 8260C/DX
Last Update : Thu Dec 01 09:35:24 2022
Response via : Initial Calibration
DataAcq Meth : 82605

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene IS#1	7.50	137	61909	10.00	ug/L	0.00
29) 1,4-Difluorobenzene IS#2	8.20	63	113653	10.00	ug/L	0.00
36) Chlorobenzene d5 IS#3	10.31	119	133048	10.00	ug/L	0.00

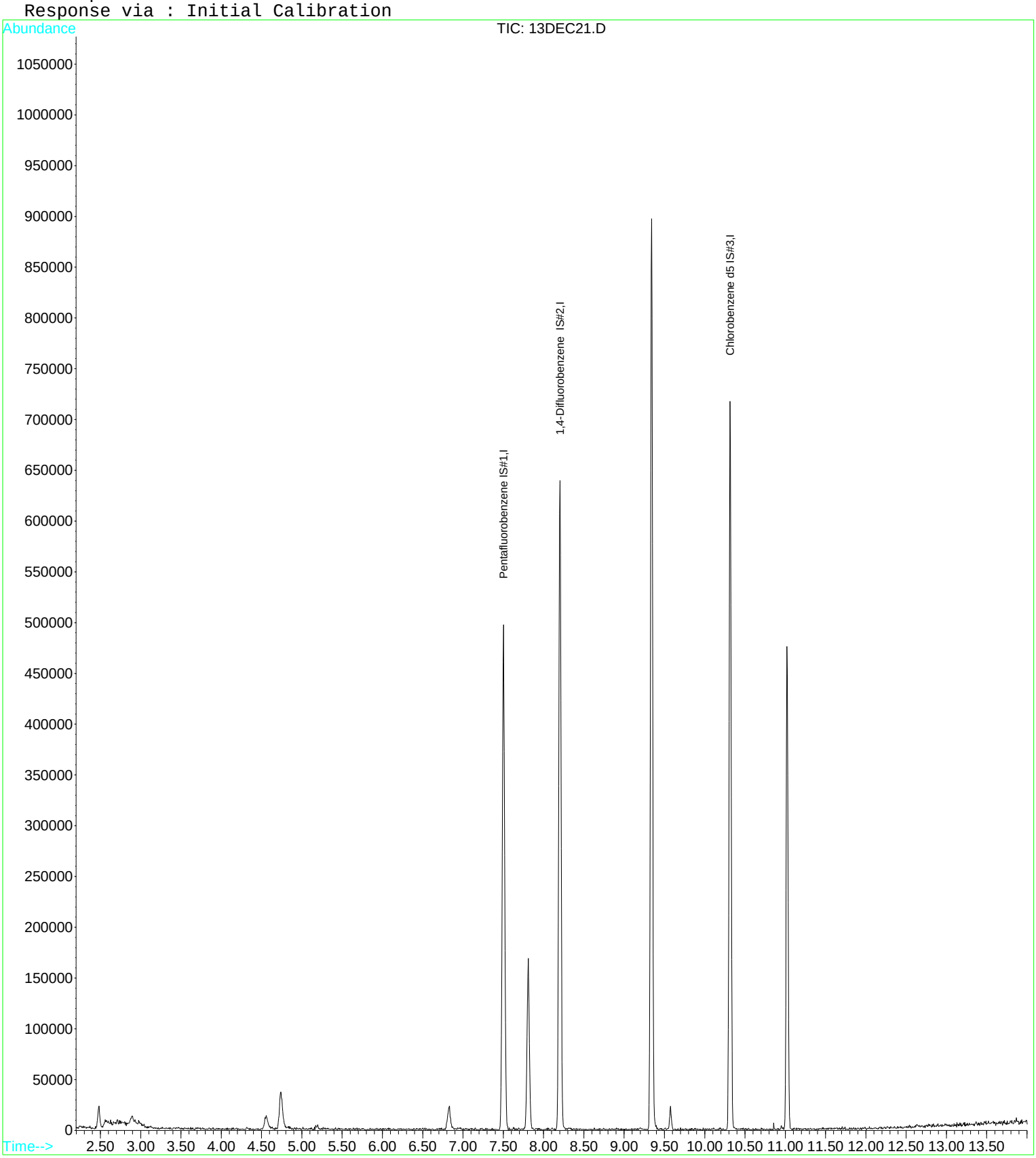
Target Compounds Qvalue

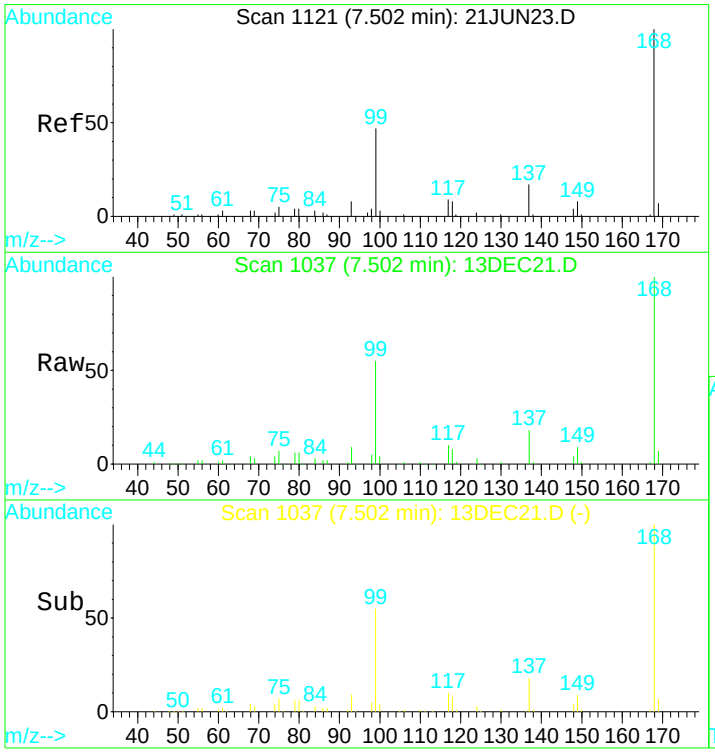
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : D:\DATA\DEC2022C\DEC13\13DEC21.D Vial: 21
Acq On : 13 Dec 2022 1:44 pm Operator: mgc
Sample : 2229425-10 Inst : MS-V5
Misc : 1 ;25ML;pH=2 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Dec 14 12:51 2022 Quant Results File: 82605CX.RES

Method : C:\HPCHEM\1\METHODS\C\202210\16-1301\82605CX.M (RTE Integrator)
Title : EPA Method 8260C/DX
Last Update : Thu Dec 01 09:35:24 2022
Response via : Initial Calibration

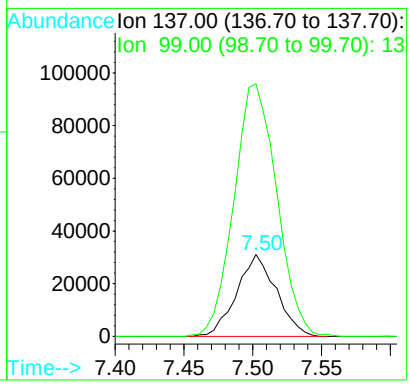


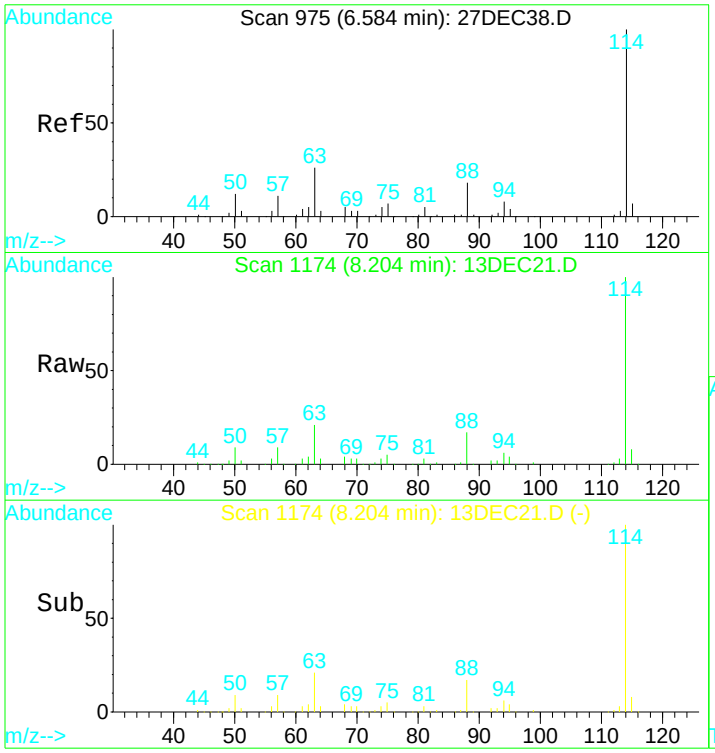


#1
Pentafluorobenzene IS#1
Concen: 10.00 ug/L
RT: 7.50 min Scan# 1037
Delta R.T. -0.00 min
Lab File: 13DEC21.D
Acq: 13 Dec 2022 1:44 pm

Tgt Ion:137 Resp: 61909

Ion	Ratio	Lower	Upper
137	100		
99	335.2	241.0	447.6

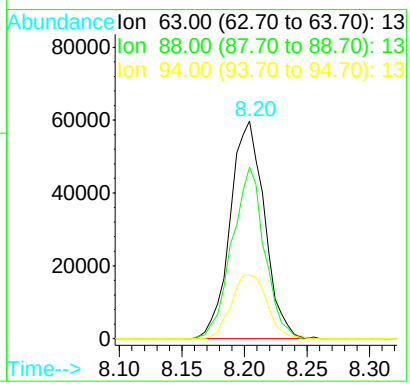


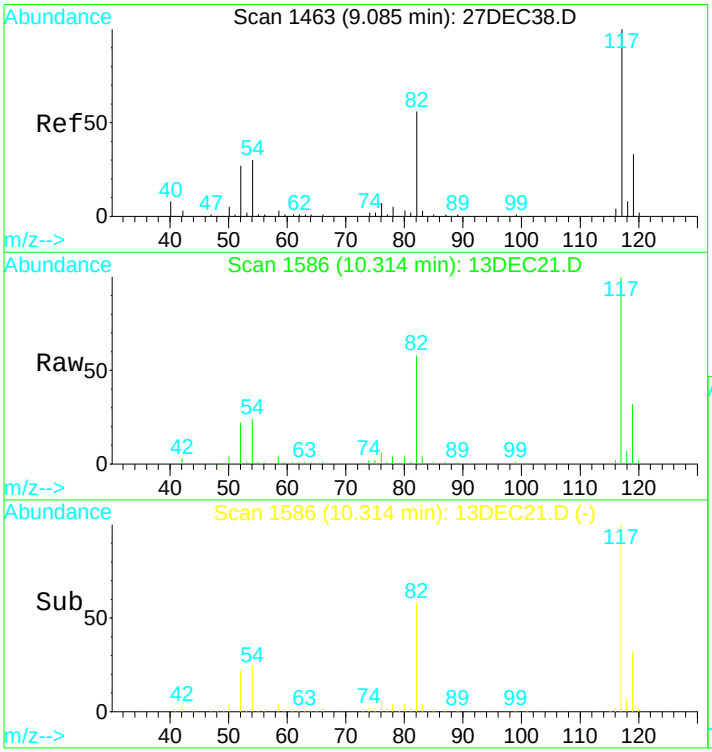


#29
1,4-Difluorobenzene IS#2
Concen: 10.00 ug/L
RT: 8.20 min Scan# 1174
Delta R.T. -0.00 min
Lab File: 13DEC21.D
Acq: 13 Dec 2022 1:44 pm

Tgt Ion: 63 Resp: 113653

Ion	Ratio	Lower	Upper
63	100		
88	74.8	54.9	102.1
94	30.5	21.0	39.0

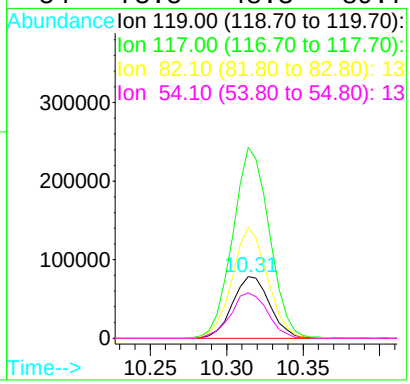




#36
Chlorobenzene d5 IS#3
Concen: 10.00 ug/L
RT: 10.31 min Scan# 1586
Delta R.T. -0.00 min
Lab File: 13DEC21.D
Acq: 13 Dec 2022 1:44 pm

Tgt Ion:119 Resp: 133048

Ion	Ratio	Lower	Upper
119	100		
117	305.0	215.7	400.5
82	170.6	118.3	219.7
54	73.5	48.3	89.7



Quantitation Report (QT Reviewed)

Data File : D:\DATA\DEC2022C\DEC13\13DEC22.D Vial: 22
Acq On : 13 Dec 2022 2:08 pm Operator: mgc
Sample : 2229425-11 Inst : MS-V5
Misc : 1 ;25ML;pH=2 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Dec 14 12:39 2022 Quant Results File: 82605C.RES

Quant Method : C:\HPCHEM\1...\82605C.M (RTE Integrator)
Title : EPA Method 8260C/D
Last Update : Thu Nov 17 08:03:26 2022
Response via : Initial Calibration
DataAcq Meth : 82605

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene IS#1	7.50	137	60909	10.00	ug/L	0.00
26) 1,4-Difluorobenzene IS#2	8.20	63	113471	10.00	ug/L	0.00
41) Chlorobenzene d5 IS#3	10.31	119	127853	10.00	ug/L	0.00
System Monitoring Compounds						
23) 1,2-dichloroethane d4 SMC	7.81	65	130354	10.75	ug/L	0.00
Spiked Amount 10.000	Range 75 - 125		Recovery = 107.50%			
33) Toluene d8 SMC#2	9.34	98	577166	9.69	ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 96.90%			
51) Bromofluorobenzene SMC#3	11.02	95	161385	9.87	ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 98.70%			

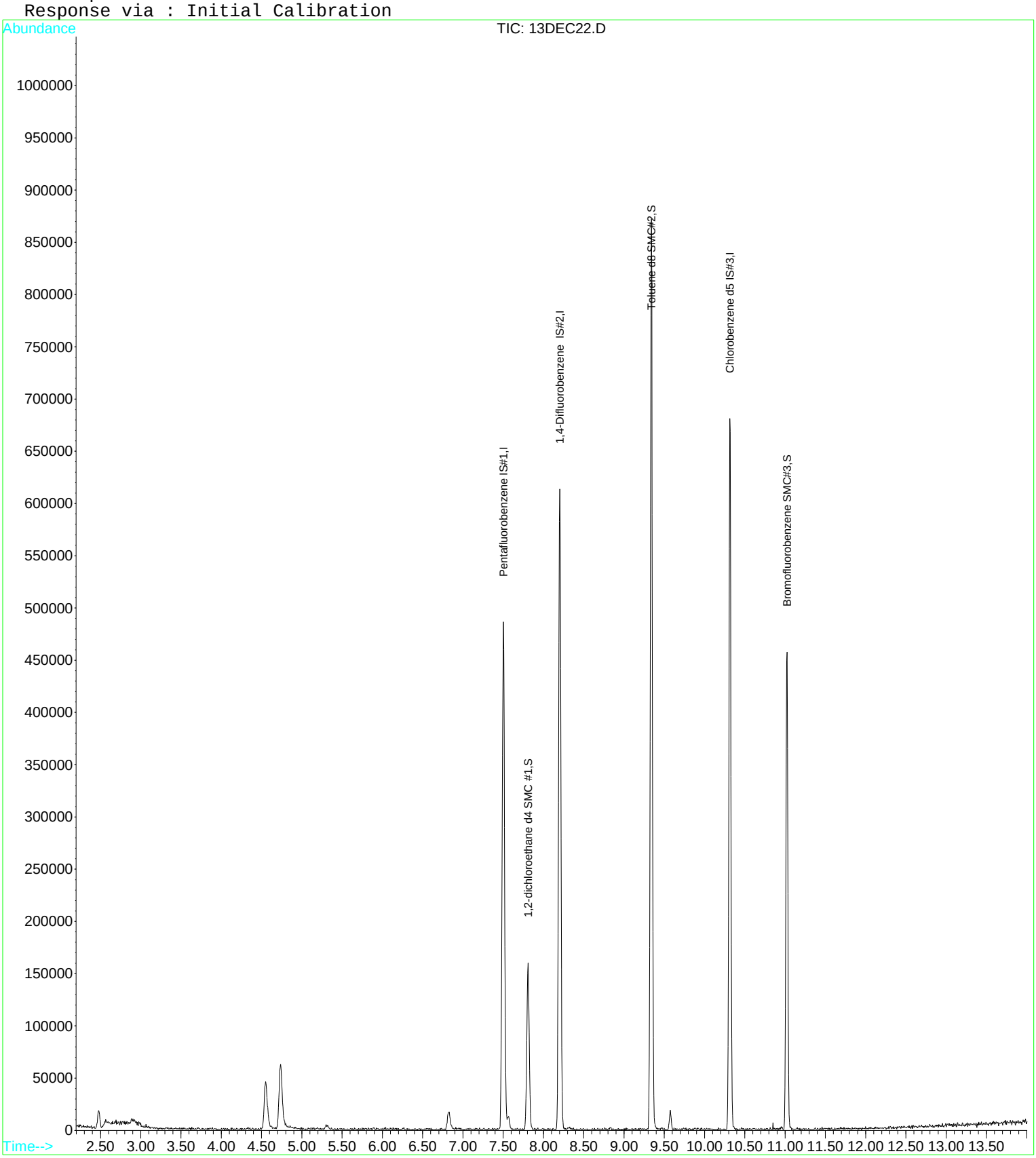
Target Compounds Qvalue

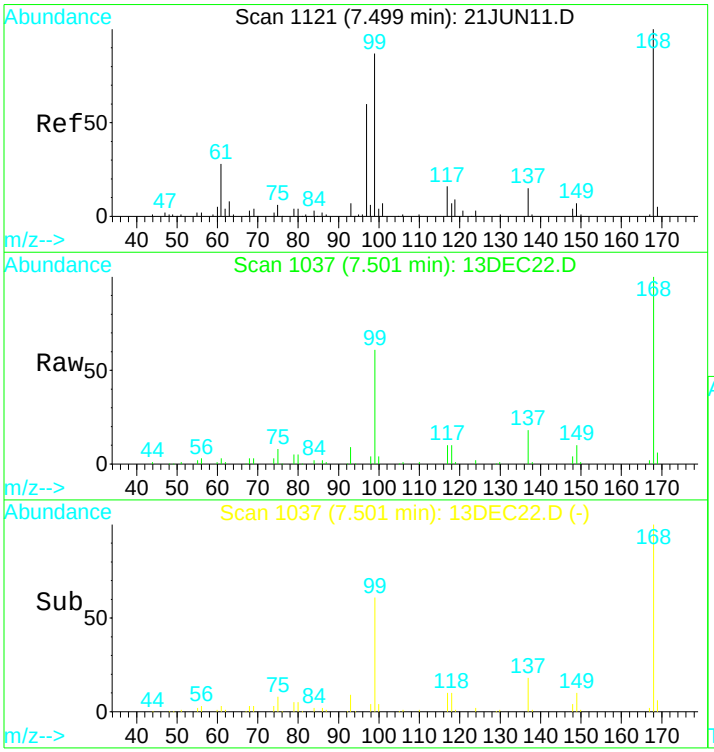
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : D:\DATA\DEC2022C\DEC13\13DEC22.D Vial: 22
Acq On : 13 Dec 2022 2:08 pm Operator: mgc
Sample : 2229425-11 Inst : MS-V5
Misc : 1 ;25ML;pH=2 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Dec 14 12:39 2022 Quant Results File: 82605C.RES

Method : C:\HPCHEM\1\METHODS\C\202211\14-1045\82605C.M (RTE Integrator)
Title : EPA Method 8260C/D
Last Update : Thu Nov 17 08:03:26 2022
Response via : Initial Calibration

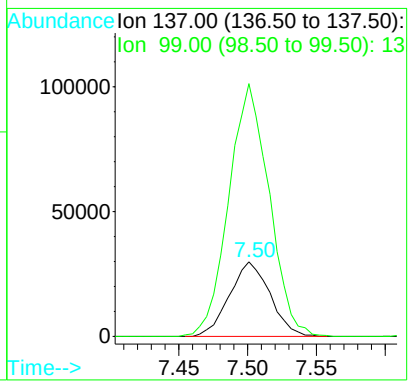


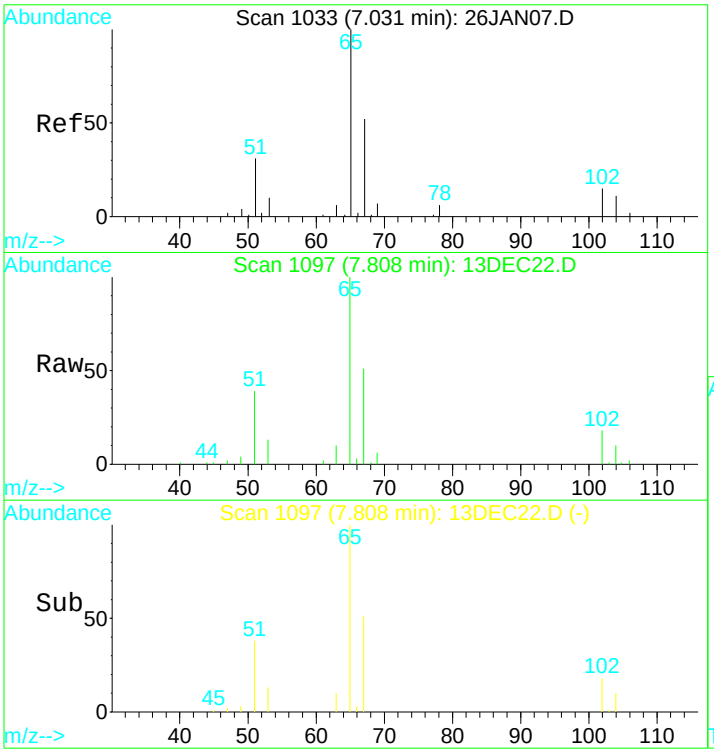


#1
Pentafluorobenzene IS#1
Concen: 10.00 ug/L
RT: 7.50 min Scan# 1037
Delta R.T. 0.00 min
Lab File: 13DEC22.D
Acq: 13 Dec 2022 2:08 pm

Tgt Ion:137 Resp: 60909

Ion	Ratio	Lower	Upper
137	100		
99	338.7	1402.2	2604.0#

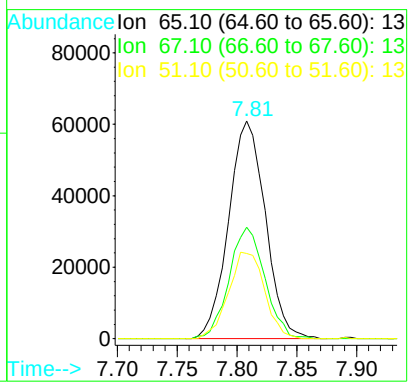


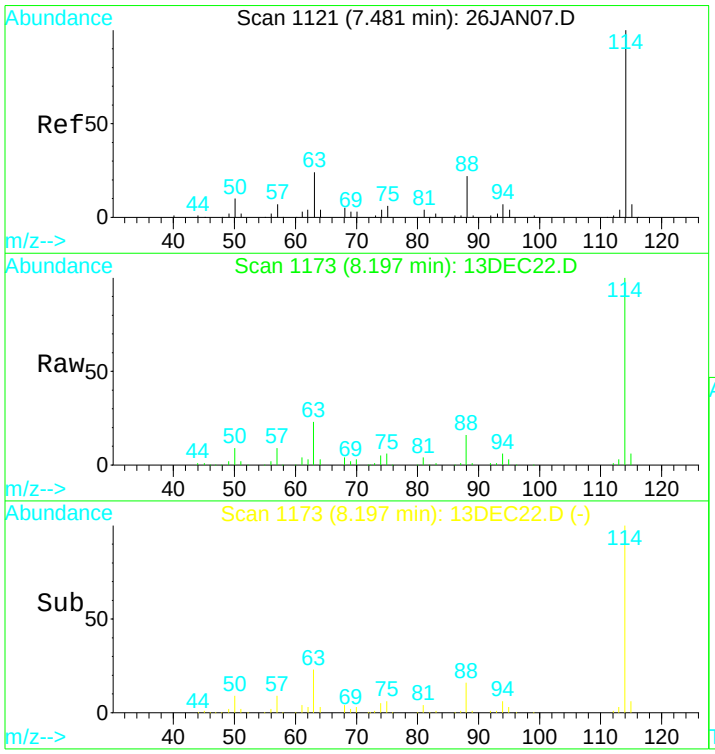


#23
1,2-dichloroethane d4 SMC #1
Concen: N.D. ug/L
RT: 7.81 min Scan# 1097
Delta R.T. -0.00 min
Lab File: 13DEC22.D
Acq: 13 Dec 2022 2:08 pm

Tgt Ion: 65 Resp: 130354

Ion	Ratio	Lower	Upper
65	100		
67	49.5	37.7	70.1
51	38.8	511.6	950.2#

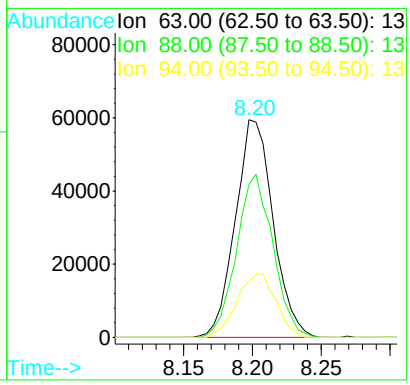


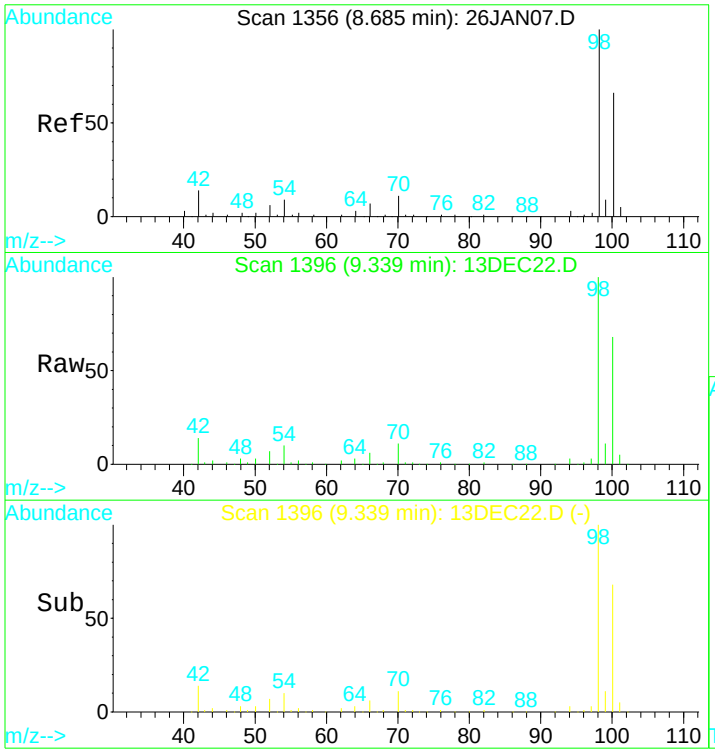


#26
1,4-Difluorobenzene IS#2
Concen: 10.00 ug/L
RT: 8.20 min Scan# 1173
Delta R.T. -0.00 min
Lab File: 13DEC22.D
Acq: 13 Dec 2022 2:08 pm

Tgt Ion: 63 Resp: 113471

Ion	Ratio	Lower	Upper
63	100		
88	72.3	52.1	96.7
94	30.1	19.7	36.7

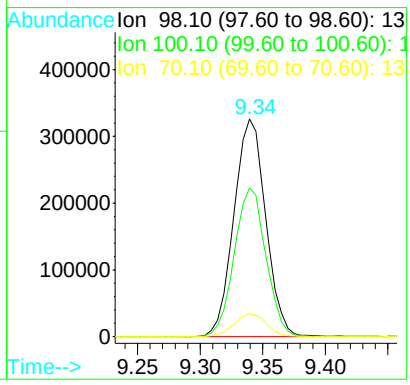


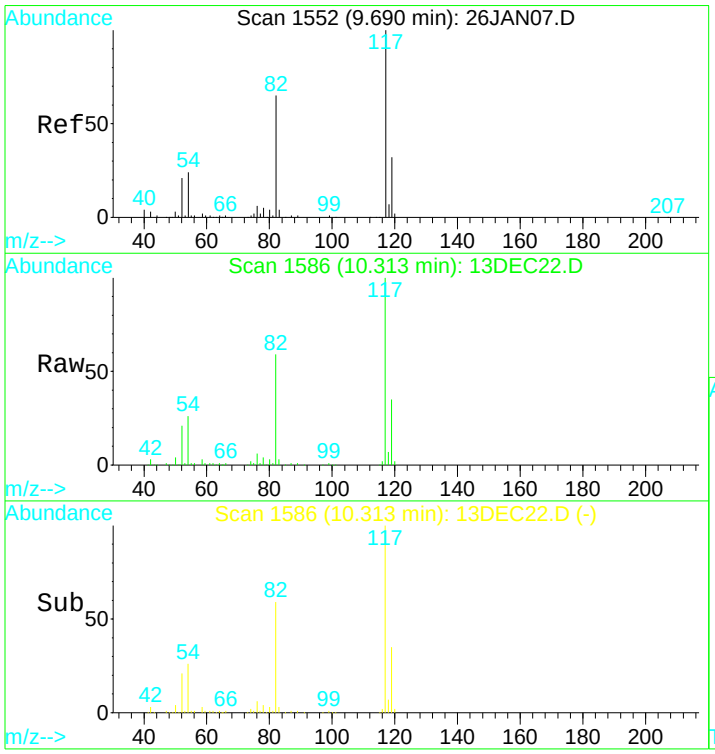


#33
Toluene d8 SMC#2
Concen: N.D. ug/L
RT: 9.34 min Scan# 1396
Delta R.T. -0.00 min
Lab File: 13DEC22.D
Acq: 13 Dec 2022 2:08 pm

Tgt Ion: 98 Resp: 577166

Ion	Ratio	Lower	Upper
98	100		
100	67.8	47.4	88.0
70	10.7	7.7	14.3

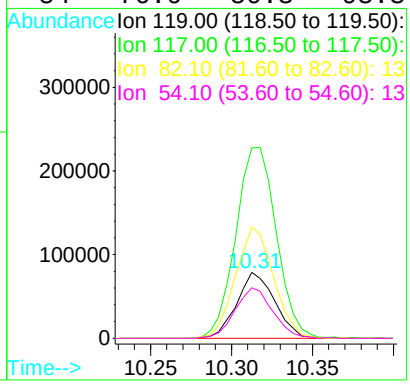


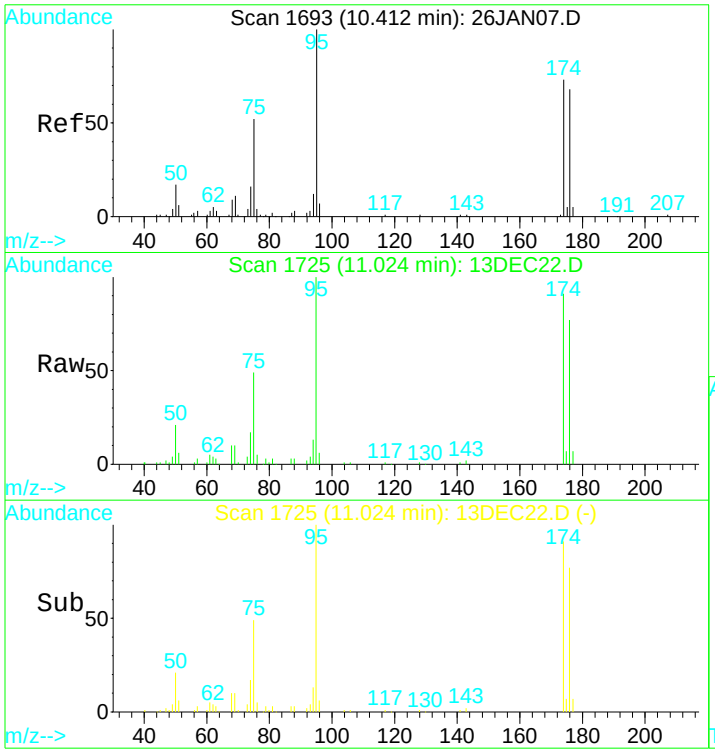


#41
Chlorobenzene d5 IS#3
Concen: 10.00 ug/L
RT: 10.31 min Scan# 1586
Delta R.T. -0.00 min
Lab File: 13DEC22.D
Acq: 13 Dec 2022 2:08 pm

Tgt Ion:119 Resp: 127853

Ion	Ratio	Lower	Upper
119	100		
117	310.3	210.3	390.6
82	169.5	119.1	221.3
54	76.0	50.3	93.3

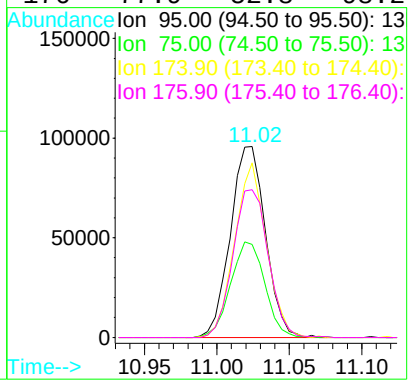




#51
Bromofluorobenzene SMC#3
Concen: N.D. ug/L
RT: 11.02 min Scan# 1725
Delta R.T. 0.00 min
Lab File: 13DEC22.D
Acq: 13 Dec 2022 2:08 pm

Tgt Ion: 95 Resp: 161385

Ion	Ratio	Lower	Upper
95	100		
75	48.9	31.7	58.9
174	82.3	54.2	100.6
176	77.9	52.8	98.2



Quantitation Report (QT Reviewed)

Data File : D:\DATA\DEC2022C\DEC13\13DEC22.D Vial: 22
Acq On : 13 Dec 2022 2:08 pm Operator: mgc
Sample : 2229425-11 Inst : MS-V5
Misc : 1 ;25ML;pH=2 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Dec 14 12:51 2022 Quant Results File: 82605CX.RES

Quant Method : C:\HPCHEM\1...\82605CX.M (RTE Integrator)
Title : EPA Method 8260C/DX
Last Update : Thu Dec 01 09:35:24 2022
Response via : Initial Calibration
DataAcq Meth : 82605

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene IS#1	7.50	137	60909	10.00	ug/L	0.00
29) 1,4-Difluorobenzene IS#2	8.20	63	113471	10.00	ug/L	0.00
36) Chlorobenzene d5 IS#3	10.31	119	127853	10.00	ug/L	0.00

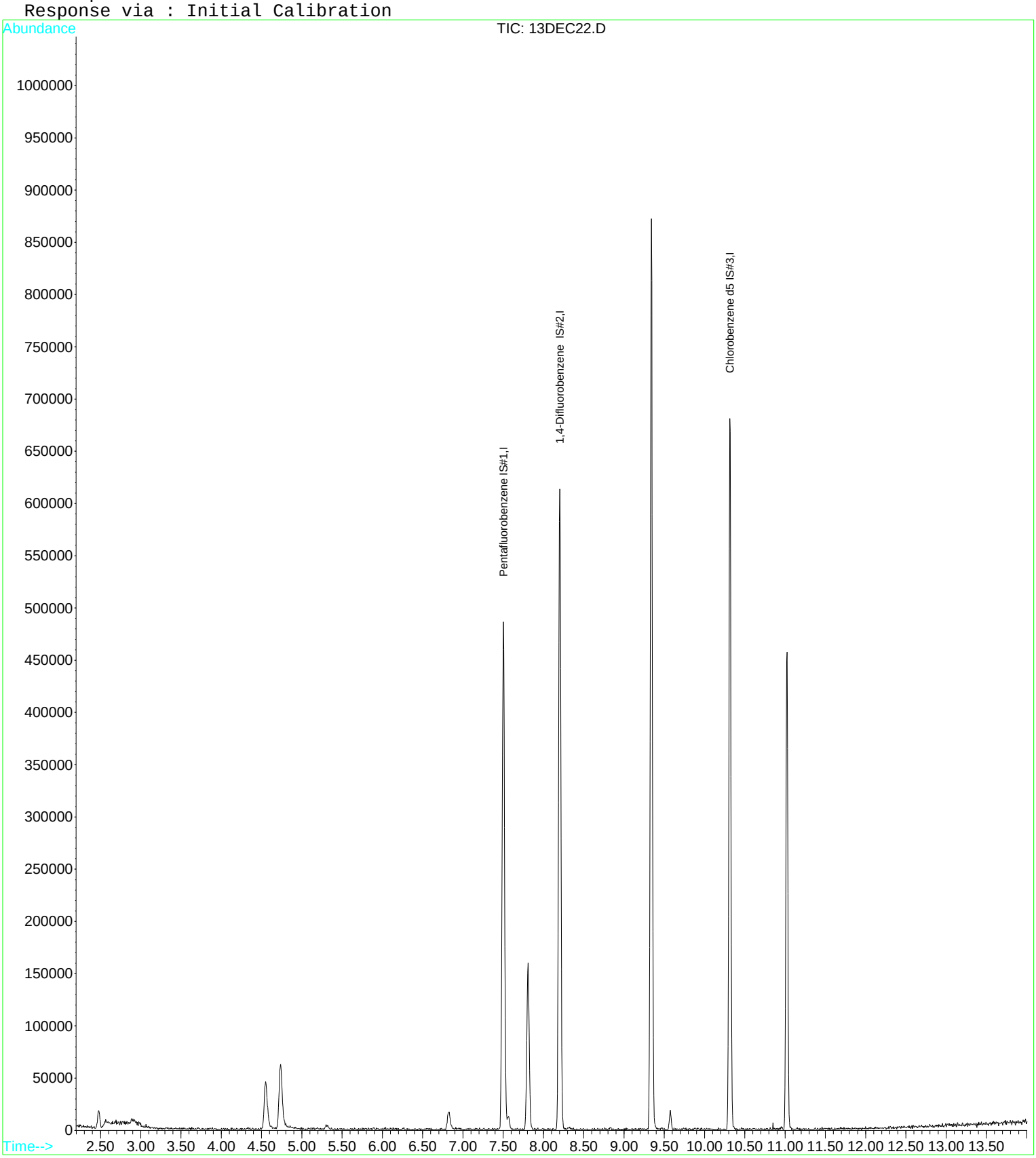
Target Compounds Qvalue

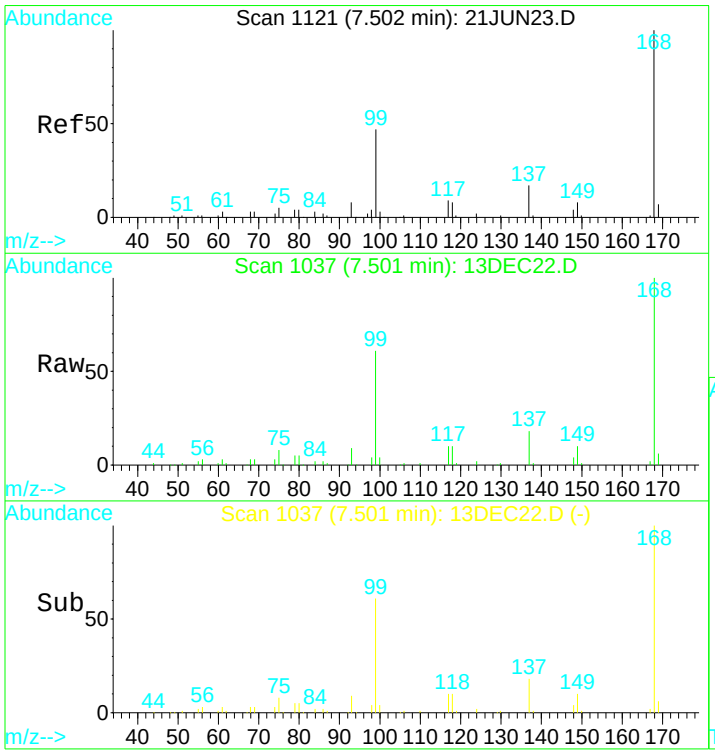
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : D:\DATA\DEC2022C\DEC13\13DEC22.D Vial: 22
Acq On : 13 Dec 2022 2:08 pm Operator: mgc
Sample : 2229425-11 Inst : MS-V5
Misc : 1 ;25ML;pH=2 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Dec 14 12:51 2022 Quant Results File: 82605CX.RES

Method : C:\HPCHEM\1\METHODS\C\202210\16-1301\82605CX.M (RTE Integrator)
Title : EPA Method 8260C/DX
Last Update : Thu Dec 01 09:35:24 2022
Response via : Initial Calibration

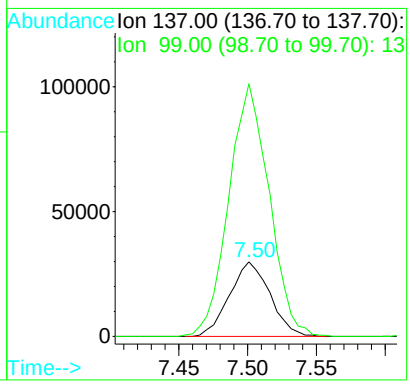


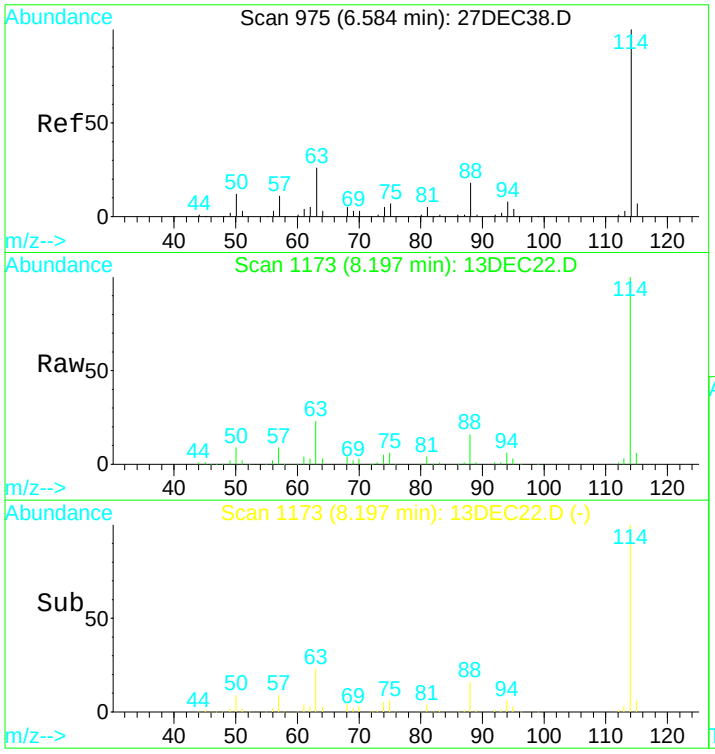


#1
Pentafluorobenzene IS#1
Concen: 10.00 ug/L
RT: 7.50 min Scan# 1037
Delta R.T. -0.00 min
Lab File: 13DEC22.D
Acq: 13 Dec 2022 2:08 pm

Tgt Ion:137 Resp: 60909

Ion	Ratio	Lower	Upper
137	100		
99	338.7	241.0	447.6

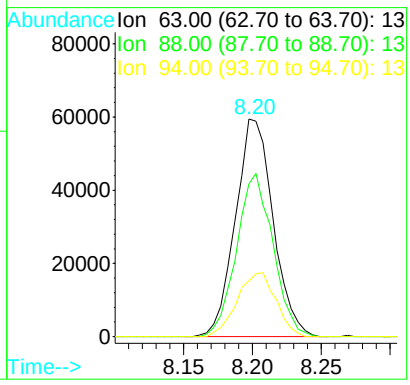


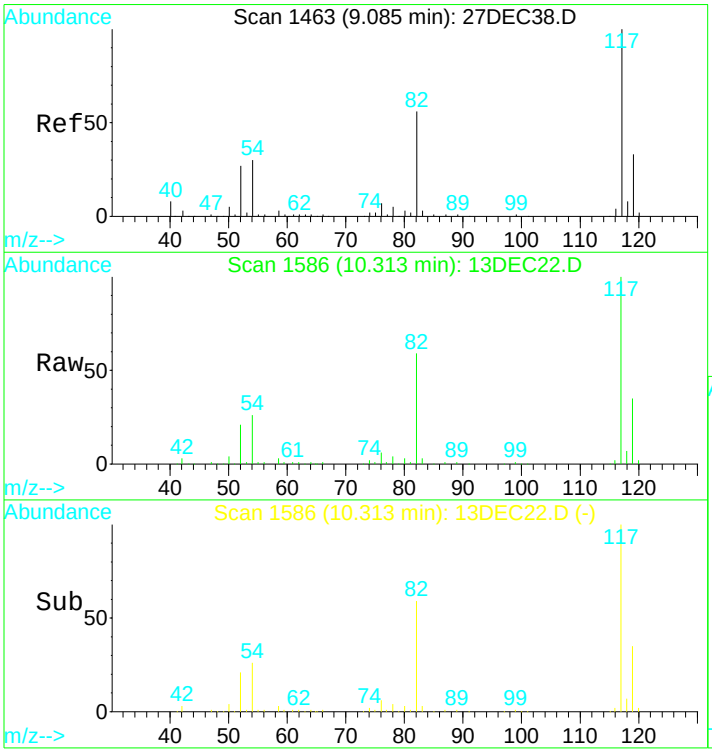


#29
1,4-Difluorobenzene IS#2
Concen: 10.00 ug/L
RT: 8.20 min Scan# 1173
Delta R.T. -0.01 min
Lab File: 13DEC22.D
Acq: 13 Dec 2022 2:08 pm

Tgt Ion: 63 Resp: 113471

Ion	Ratio	Lower	Upper
63	100		
88	72.3	54.9	102.1
94	30.1	21.0	39.0

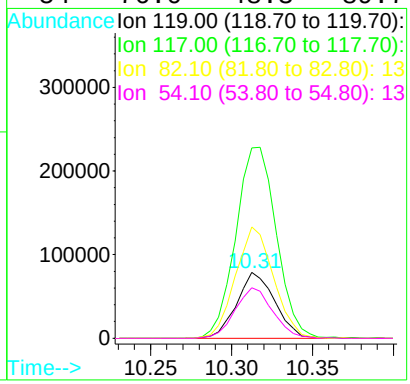




#36
Chlorobenzene d5 IS#3
Concen: 10.00 ug/L
RT: 10.31 min Scan# 1586
Delta R.T. -0.00 min
Lab File: 13DEC22.D
Acq: 13 Dec 2022 2:08 pm

Tgt Ion:119 Resp: 127853

Ion	Ratio	Lower	Upper
119	100		
117	310.3	215.7	400.5
82	169.5	118.3	219.7
54	76.0	48.3	89.7



Quantitation Report (QT Reviewed)

Data File : D:\DATA\DEC2022C\DEC13\13DEC23.D Vial: 23
Acq On : 13 Dec 2022 2:32 pm Operator: mgc
Sample : 2229425-12 Inst : MS-V5
Misc : 1 ;25ML;pH=2 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Dec 14 12:39 2022 Quant Results File: 82605C.RES

Quant Method : C:\HPCHEM\1...\82605C.M (RTE Integrator)
Title : EPA Method 8260C/D
Last Update : Thu Nov 17 08:03:26 2022
Response via : Initial Calibration
DataAcq Meth : 82605

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene IS#1	7.50	137	59297	10.00	ug/L	0.00
26) 1,4-Difluorobenzene IS#2	8.20	63	109622	10.00	ug/L	0.00
41) Chlorobenzene d5 IS#3	10.32	119	124407	10.00	ug/L	0.00
System Monitoring Compounds						
23) 1,2-dichloroethane d4 SMC	7.81	65	124196	10.52	ug/L	0.00
Spiked Amount 10.000	Range 75 - 125		Recovery = 105.20%			
33) Toluene d8 SMC#2	9.34	98	568873	9.88	ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 98.80%			
51) Bromofluorobenzene SMC#3	11.02	95	155417	9.76	ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 97.60%			

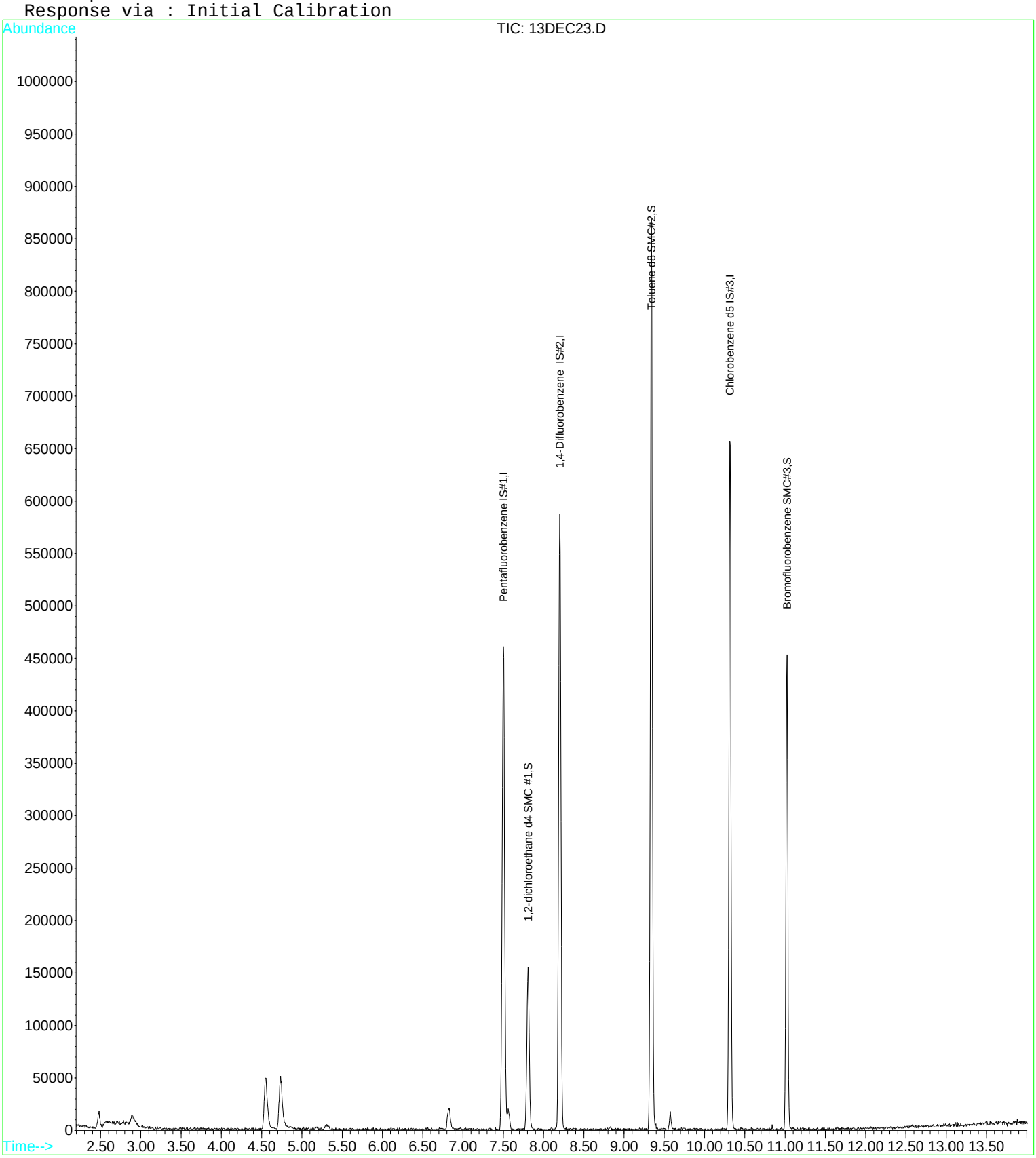
Target Compounds Qvalue

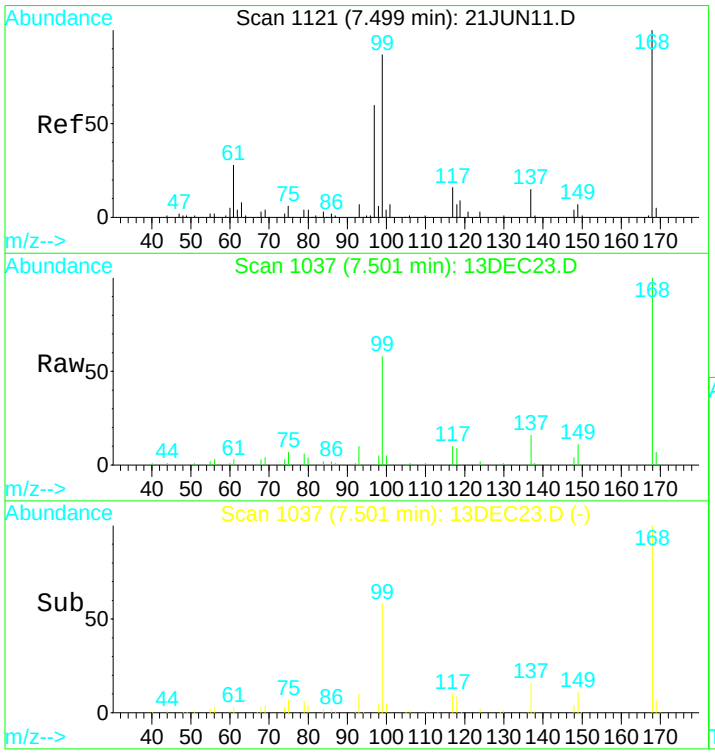
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : D:\DATA\DEC2022C\DEC13\13DEC23.D Vial: 23
Acq On : 13 Dec 2022 2:32 pm Operator: mgc
Sample : 2229425-12 Inst : MS-V5
Misc : 1 ;25ML;pH=2 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Dec 14 12:39 2022 Quant Results File: 82605C.RES

Method : C:\HPCHEM\1\METHODS\C\202211\14-1045\82605C.M (RTE Integrator)
Title : EPA Method 8260C/D
Last Update : Thu Nov 17 08:03:26 2022
Response via : Initial Calibration

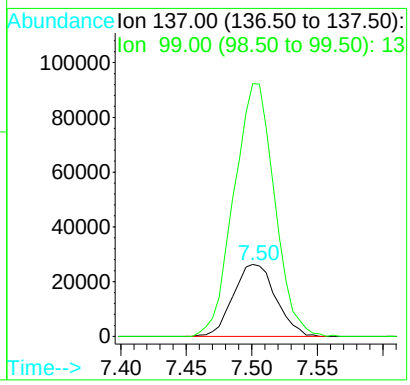


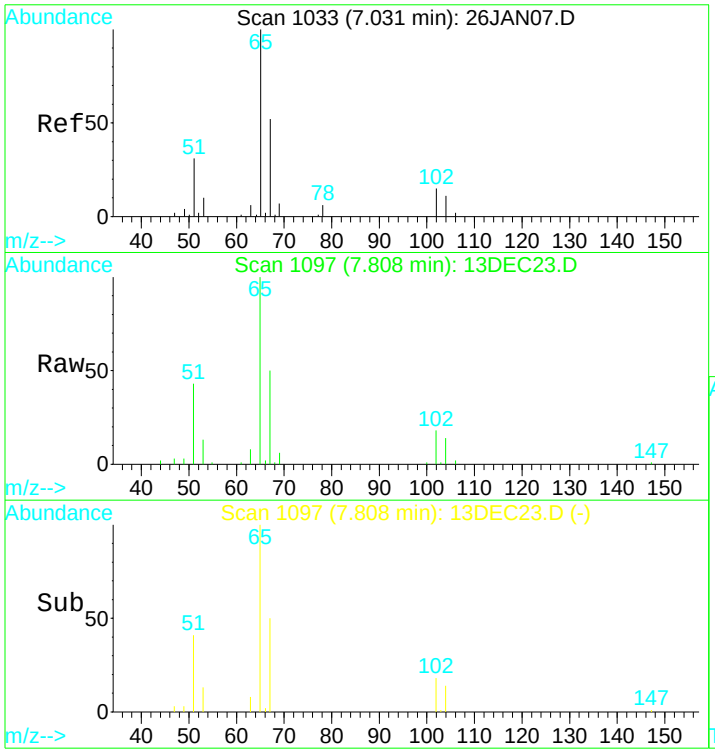


#1
Pentafluorobenzene IS#1
Concen: 10.00 ug/L
RT: 7.50 min Scan# 1037
Delta R.T. 0.00 min
Lab File: 13DEC23.D
Acq: 13 Dec 2022 2:32 pm

Tgt Ion:137 Resp: 59297

Ion	Ratio	Lower	Upper
137	100		
99	335.8	1402.2	2604.0#

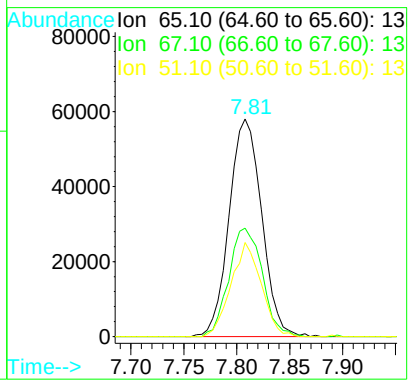


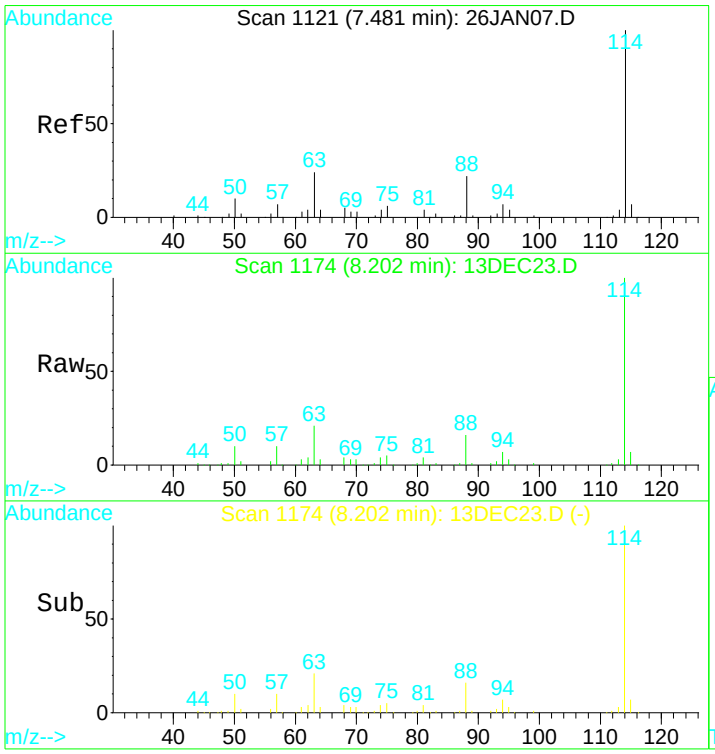


#23
1,2-dichloroethane d4 SMC #1
Concen: N.D. ug/L
RT: 7.81 min Scan# 1097
Delta R.T. -0.00 min
Lab File: 13DEC23.D
Acq: 13 Dec 2022 2:32 pm

Tgt Ion: 65 Resp: 124196

Ion	Ratio	Lower	Upper
65	100		
67	51.1	37.7	70.1
51	39.9	511.6	950.2#

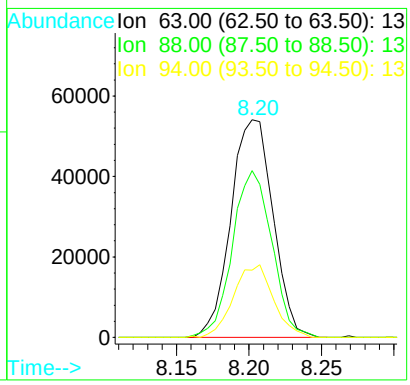


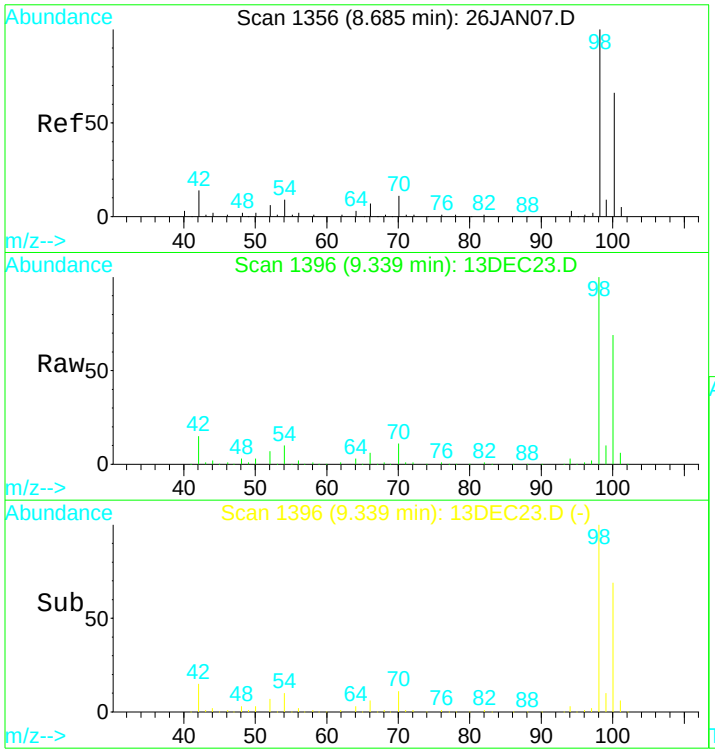


#26
1,4-Difluorobenzene IS#2
Concen: 10.00 ug/L
RT: 8.20 min Scan# 1174
Delta R.T. 0.00 min
Lab File: 13DEC23.D
Acq: 13 Dec 2022 2:32 pm

Tgt Ion: 63 Resp: 109622

Ion	Ratio	Lower	Upper
63	100		
88	71.6	52.1	96.7
94	31.6	19.7	36.7

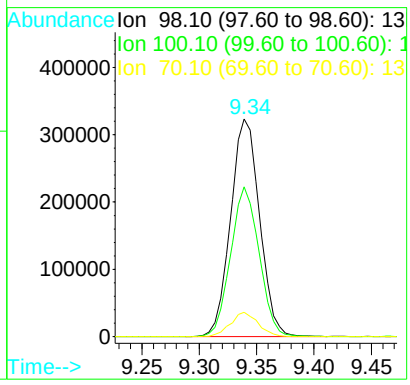


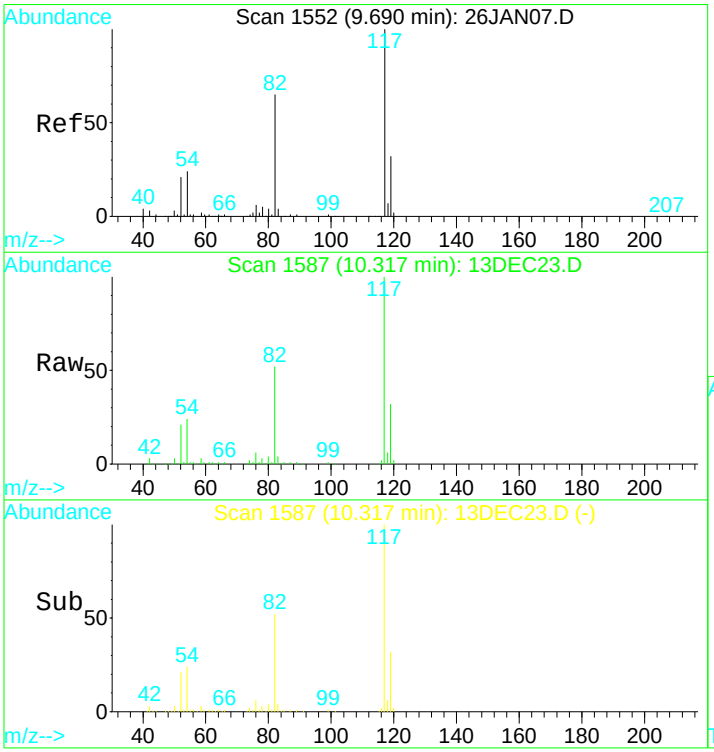


#33
Toluene d8 SMC#2
Concen: N.D. ug/L
RT: 9.34 min Scan# 1396
Delta R.T. -0.00 min
Lab File: 13DEC23.D
Acq: 13 Dec 2022 2:32 pm

Tgt Ion: 98 Resp: 568873

Ion	Ratio	Lower	Upper
98	100		
100	67.5	47.4	88.0
70	10.7	7.7	14.3

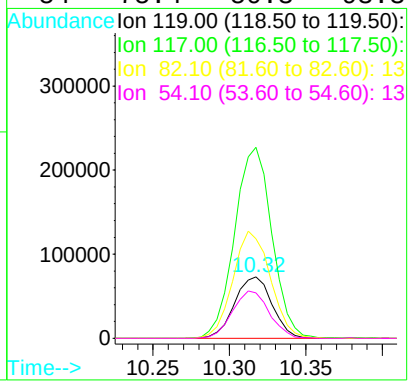


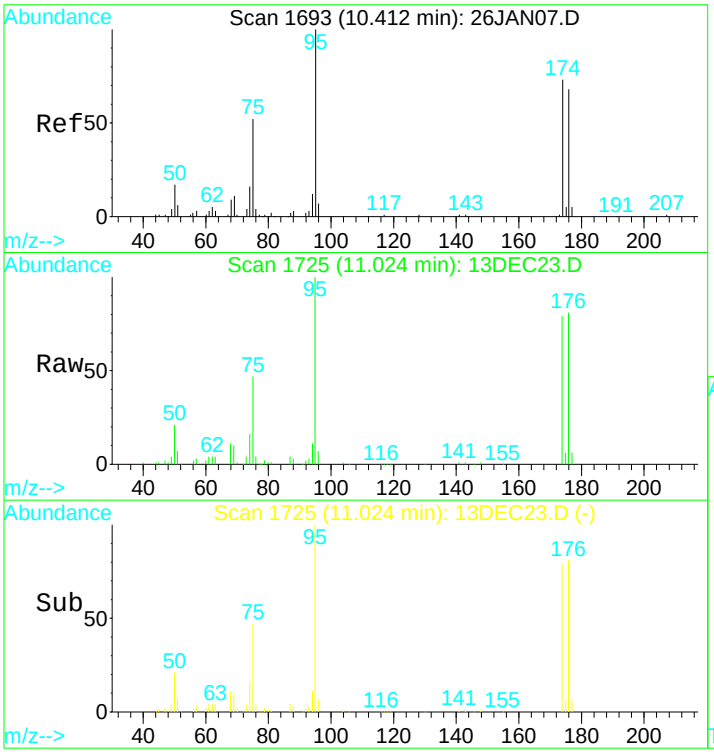


#41
Chlorobenzene d5 IS#3
Concen: 10.00 ug/L
RT: 10.32 min Scan# 1587
Delta R.T. 0.00 min
Lab File: 13DEC23.D
Acq: 13 Dec 2022 2:32 pm

Tgt Ion:119 Resp: 124407

Ion	Ratio	Lower	Upper
119	100		
117	310.2	210.3	390.6
82	174.1	119.1	221.3
54	75.4	50.3	93.3

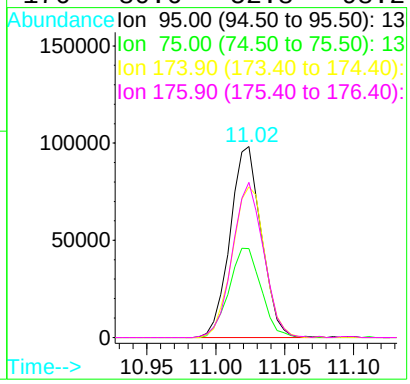




#51
Bromofluorobenzene SMC#3
Concen: N.D. ug/L
RT: 11.02 min Scan# 1725
Delta R.T. 0.00 min
Lab File: 13DEC23.D
Acq: 13 Dec 2022 2:32 pm

Tgt Ion: 95 Resp: 155417

Ion	Ratio	Lower	Upper
95	100		
75	48.1	31.7	58.9
174	82.1	54.2	100.6
176	80.6	52.8	98.2



Quantitation Report (QT Reviewed)

Data File : D:\DATA\DEC2022C\DEC13\13DEC23.D Vial: 23
Acq On : 13 Dec 2022 2:32 pm Operator: mgc
Sample : 2229425-12 Inst : MS-V5
Misc : 1 ;25ML;pH=2 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Dec 14 12:52 2022 Quant Results File: 82605CX.RES

Quant Method : C:\HPCHEM\1...\82605CX.M (RTE Integrator)
Title : EPA Method 8260C/DX
Last Update : Thu Dec 01 09:35:24 2022
Response via : Initial Calibration
DataAcq Meth : 82605

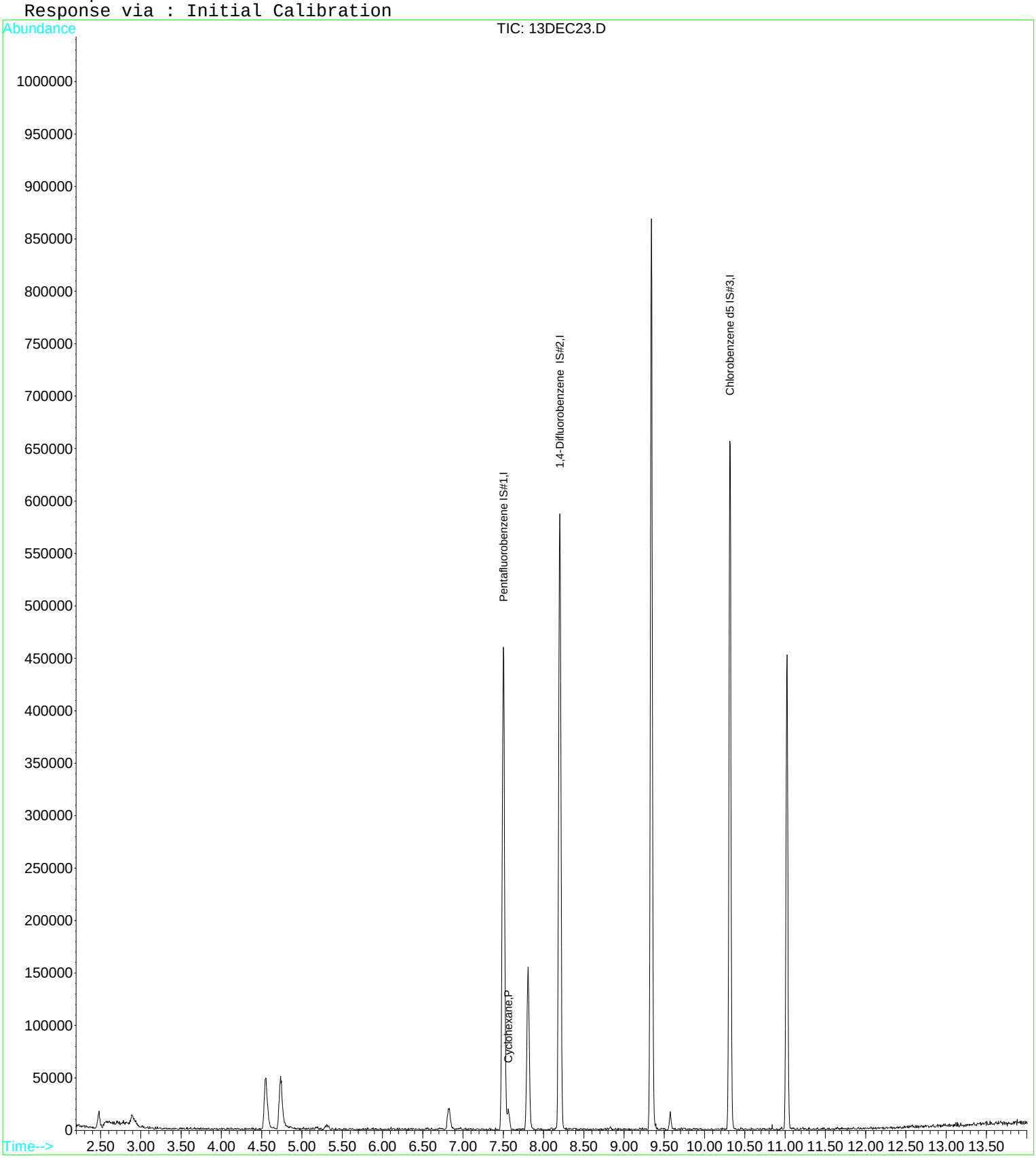
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene IS#1	7.50	137	59297	10.00	ug/L	0.00
29) 1,4-Difluorobenzene IS#2	8.20	63	109622	10.00	ug/L	0.00
36) Chlorobenzene d5 IS#3	10.32	119	124407	10.00	ug/L	0.00
Target Compounds						Qvalue
27) Cyclohexane	7.56	56	9981	0.27	ug/L	94

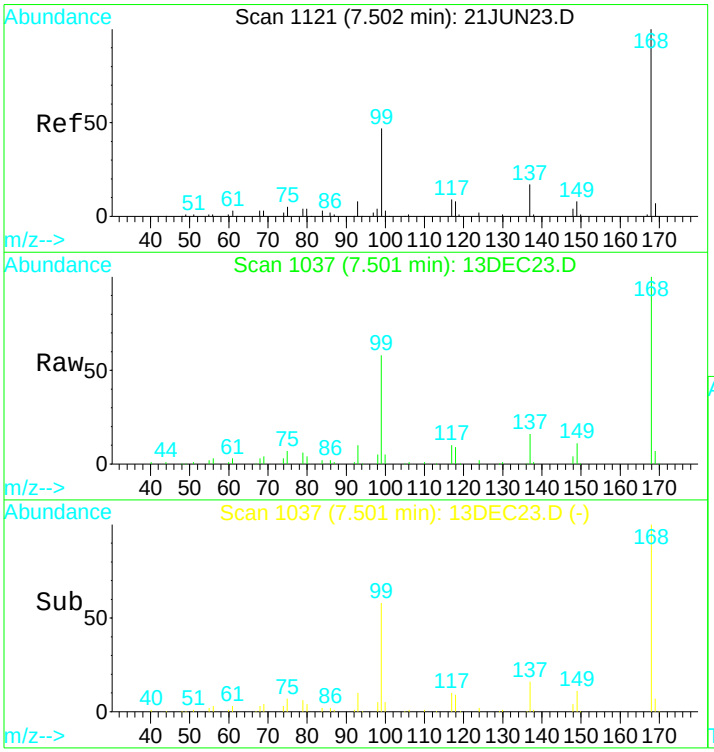
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : D:\DATA\DEC2022C\DEC13\13DEC23.D Vial: 23
Acq On : 13 Dec 2022 2:32 pm Operator: mgc
Sample : 2229425-12 Inst : MS-V5
Misc : 1 ;25ML;pH=2 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Dec 14 12:52 2022 Quant Results File: 82605CX.RES

Method : C:\HPCHEM\1\METHODS\C\202210\16-1301\82605CX.M (RTE Integrator)
Title : EPA Method 8260C/DX
Last Update : Thu Dec 01 09:35:24 2022
Response via : Initial Calibration

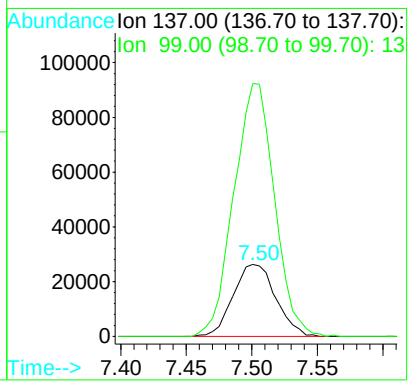


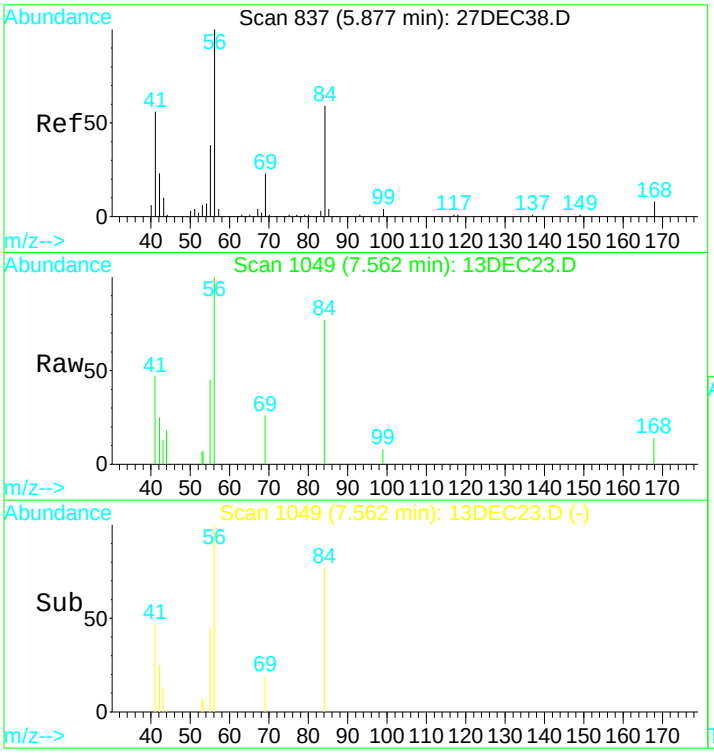


#1
Pentafluorobenzene IS#1
Concen: 10.00 ug/L
RT: 7.50 min Scan# 1037
Delta R.T. -0.00 min
Lab File: 13DEC23.D
Acq: 13 Dec 2022 2:32 pm

Tgt Ion:137 Resp: 59297

Ion	Ratio	Lower	Upper
137	100		
99	335.8	241.0	447.6

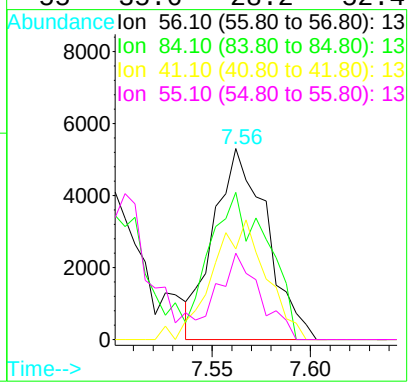


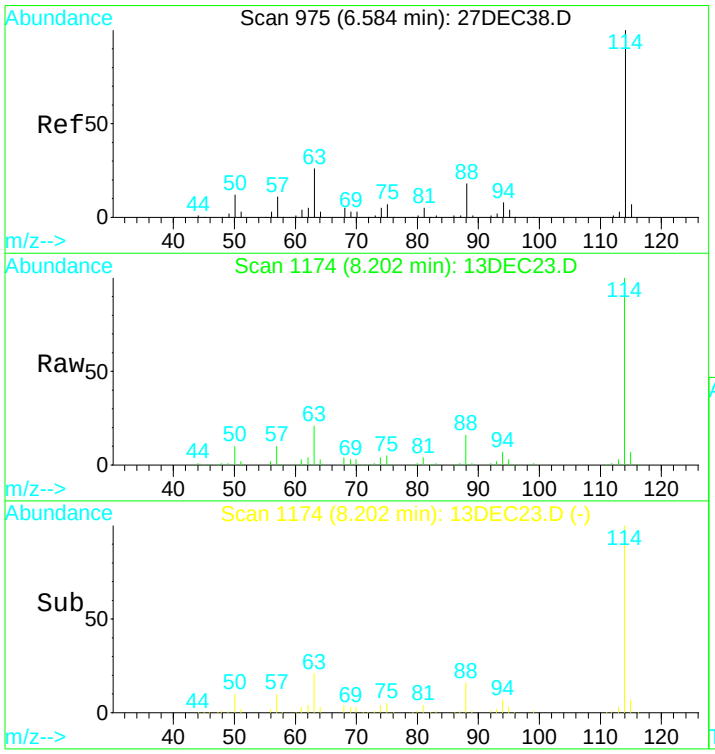


#27
Cyclohexane
Concen: 0.27 ug/L
RT: 7.56 min Scan# 1049
Delta R.T. -0.00 min
Lab File: 13DEC23.D
Acq: 13 Dec 2022 2:32 pm

Tgt Ion: 56 Resp: 9981

Ion	Ratio	Lower	Upper
56	100		
84	82.2	54.5	101.3
41	63.0	40.9	75.9
55	35.6	28.2	52.4

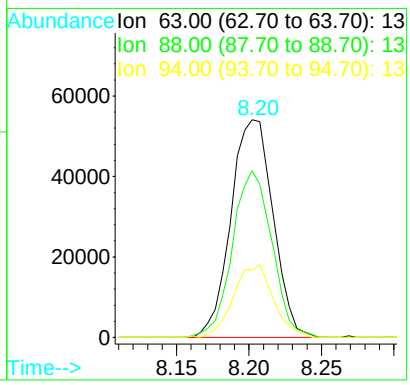


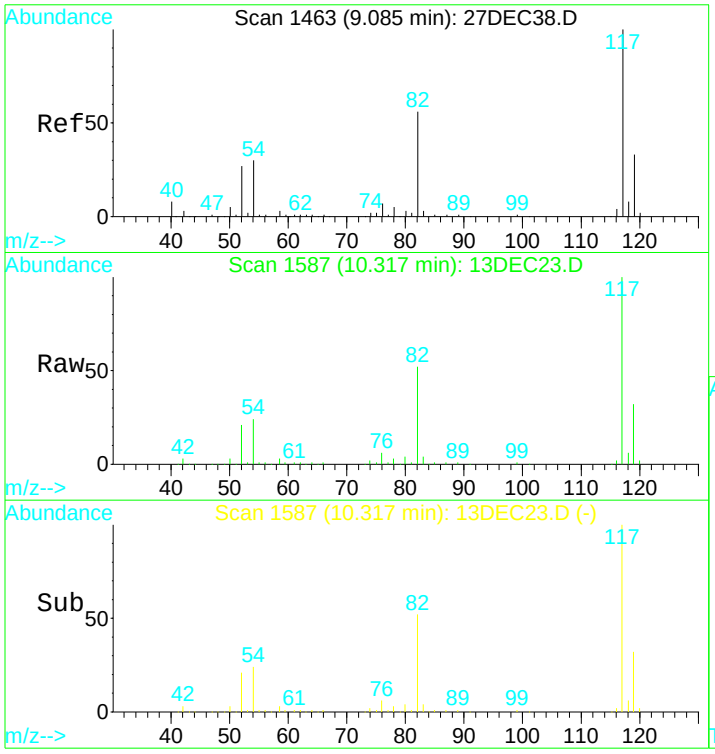


#29
1,4-Difluorobenzene IS#2
Concen: 10.00 ug/L
RT: 8.20 min Scan# 1174
Delta R.T. -0.00 min
Lab File: 13DEC23.D
Acq: 13 Dec 2022 2:32 pm

Tgt Ion: 63 Resp: 109622

Ion	Ratio	Lower	Upper
63	100		
88	71.6	54.9	102.1
94	31.6	21.0	39.0

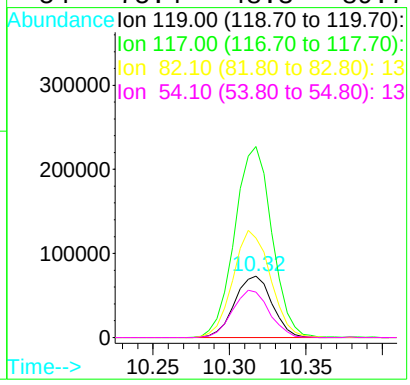




#36
Chlorobenzene d5 IS#3
Concen: 10.00 ug/L
RT: 10.32 min Scan# 1587
Delta R.T. 0.00 min
Lab File: 13DEC23.D
Acq: 13 Dec 2022 2:32 pm

Tgt Ion:119 Resp: 124407

Ion	Ratio	Lower	Upper
119	100		
117	310.2	215.7	400.5
82	174.1	118.3	219.7
54	75.4	48.3	89.7



Quantitation Report (QT Reviewed)

Data File : D:\DATA\DEC2022C\DEC13\13DEC24.D Vial: 24
Acq On : 13 Dec 2022 2:56 pm Operator: mgc
Sample : 2229425-13 Inst : MS-V5
Misc : 1 ;25ML;pH=2 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Dec 14 12:39 2022 Quant Results File: 82605C.RES

Quant Method : C:\HPCHEM\1...\82605C.M (RTE Integrator)
Title : EPA Method 8260C/D
Last Update : Thu Nov 17 08:03:26 2022
Response via : Initial Calibration
DataAcq Meth : 82605

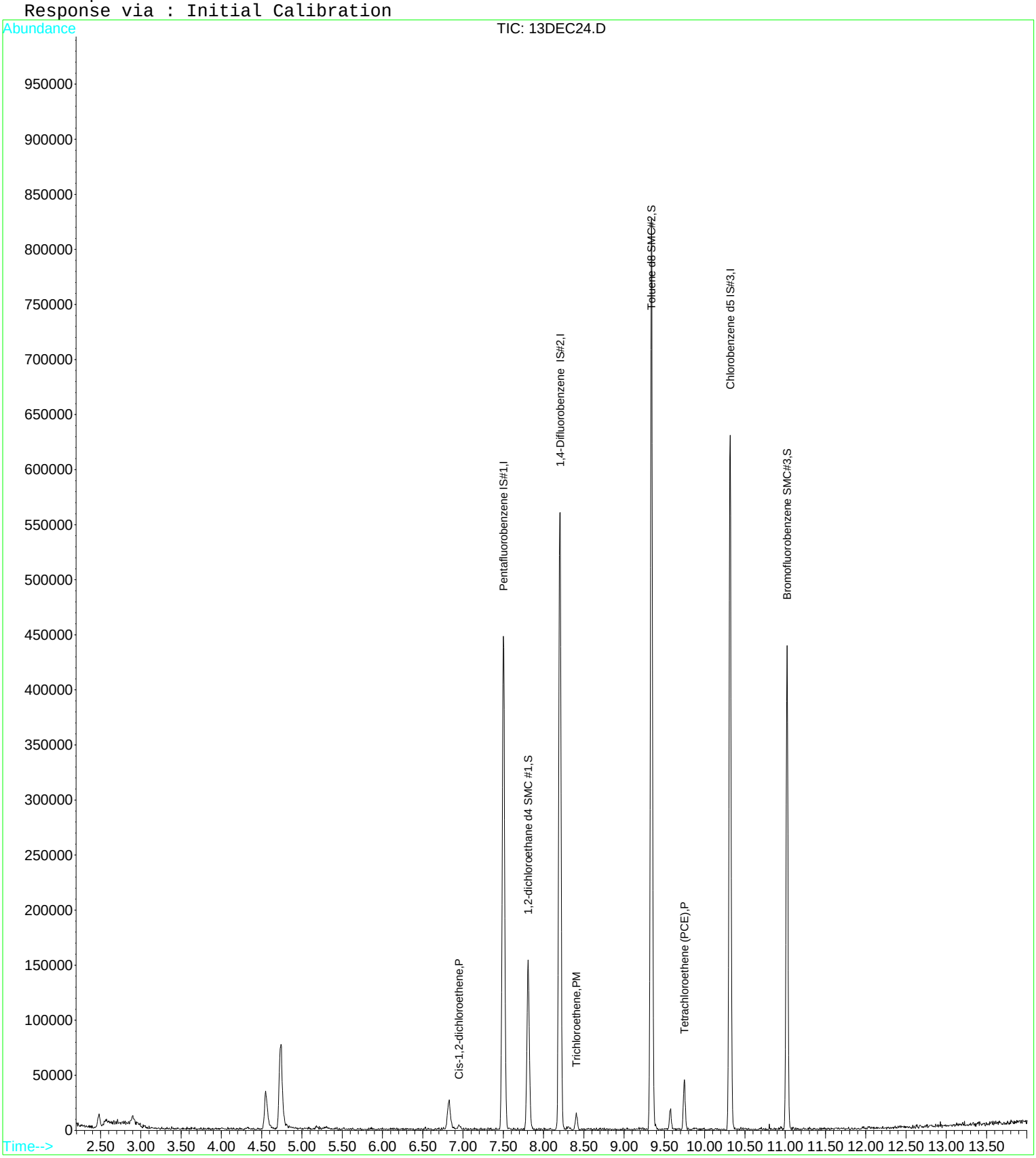
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene IS#1	7.50	137	54902	10.00	ug/L	0.00
26) 1,4-Difluorobenzene IS#2	8.20	63	105342	10.00	ug/L	0.00
41) Chlorobenzene d5 IS#3	10.32	119	120338	10.00	ug/L	0.00
System Monitoring Compounds						
23) 1,2-dichloroethane d4 SMC	7.81	65	124584	11.39	ug/L	0.00
Spiked Amount 10.000	Range 75 - 125		Recovery = 113.90%			
33) Toluene d8 SMC#2	9.34	98	545502	9.86	ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 98.60%			
51) Bromofluorobenzene SMC#3	11.02	95	152043	9.87	ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 98.70%			
Target Compounds						Qvalue
17) Cis-1,2-dichloroethene	6.94	96	1627	0.08	ug/L #	55
27) Trichloroethene	8.41	130	5289	0.29	ug/L	94
37) Tetrachloroethene (PCE)	9.75	166	13746	0.82	ug/L	96

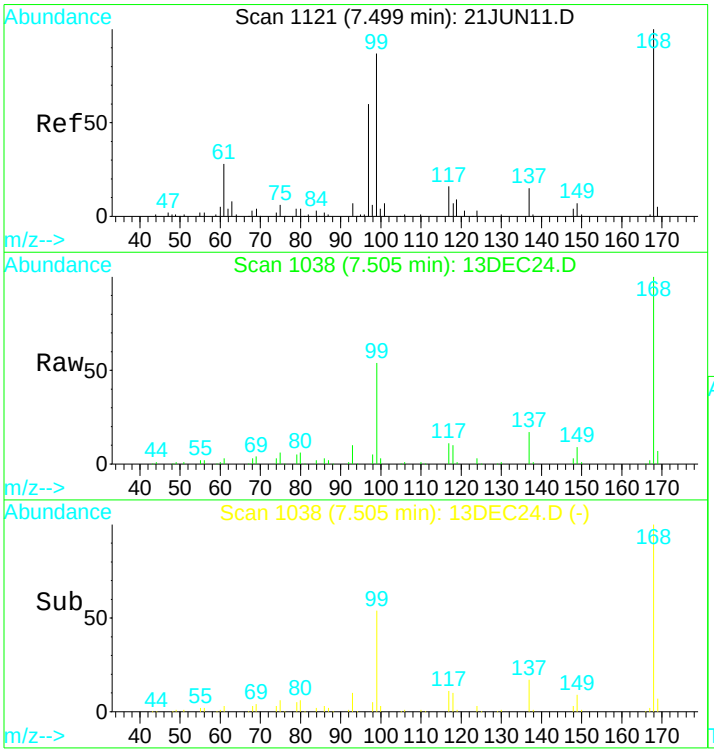
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : D:\DATA\DEC2022C\DEC13\13DEC24.D Vial: 24
Acq On : 13 Dec 2022 2:56 pm Operator: mgc
Sample : 2229425-13 Inst : MS-V5
Misc : 1 ;25ML;pH=2 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Dec 14 12:39 2022 Quant Results File: 82605C.RES

Method : C:\HPCHEM\1\METHODS\C\202211\14-1045\82605C.M (RTE Integrator)
Title : EPA Method 8260C/D
Last Update : Thu Nov 17 08:03:26 2022
Response via : Initial Calibration

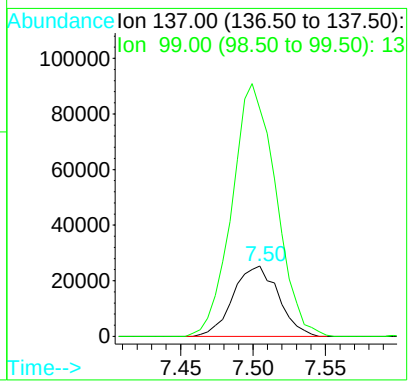


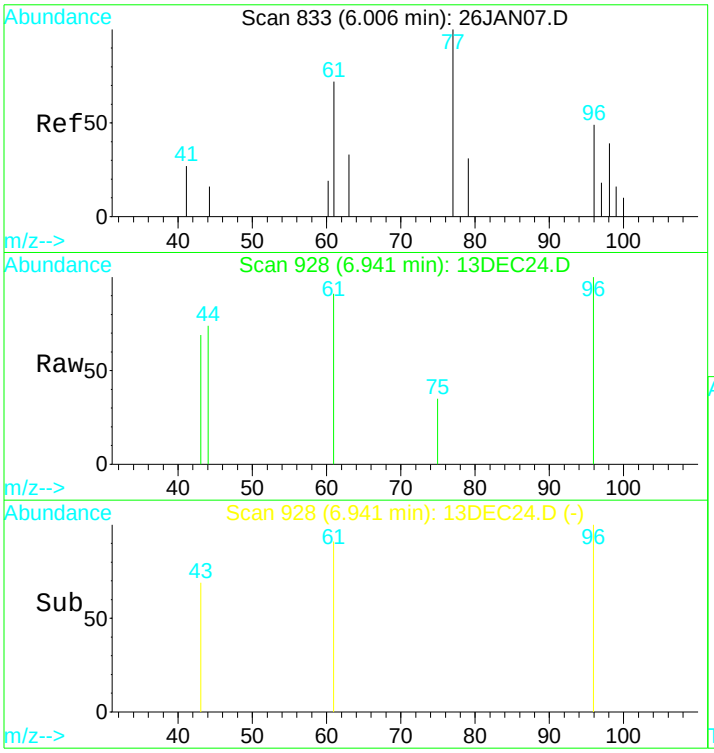


#1
Pentafluorobenzene IS#1
Concen: 10.00 ug/L
RT: 7.50 min Scan# 1038
Delta R.T. 0.01 min
Lab File: 13DEC24.D
Acq: 13 Dec 2022 2:56 pm

Tgt Ion:137 Resp: 54902

Ion	Ratio	Lower	Upper
137	100		
99	348.8	1402.2	2604.0#

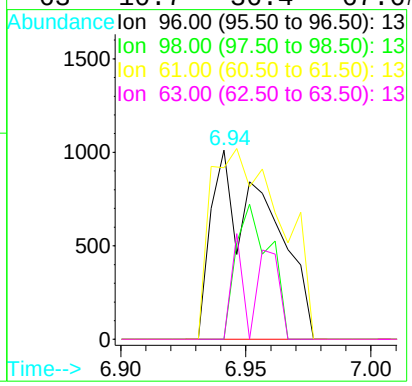


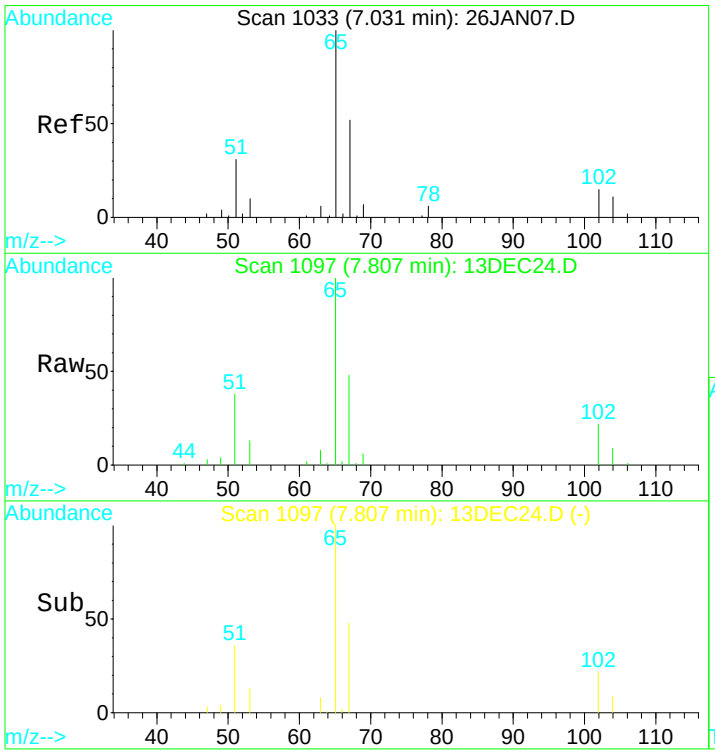


#17
Cis-1,2-dichloroethene
Concen: 0.08 ug/L
RT: 6.94 min Scan# 928
Delta R.T. -0.02 min
Lab File: 13DEC24.D
Acq: 13 Dec 2022 2:56 pm

Tgt Ion: 96 Resp: 1627

Ion	Ratio	Lower	Upper
96	100		
98	0.0	45.8	85.2#
61	121.9	108.0	200.6
63	10.7	36.4	67.6#

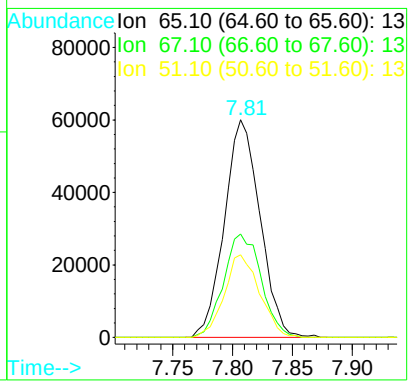


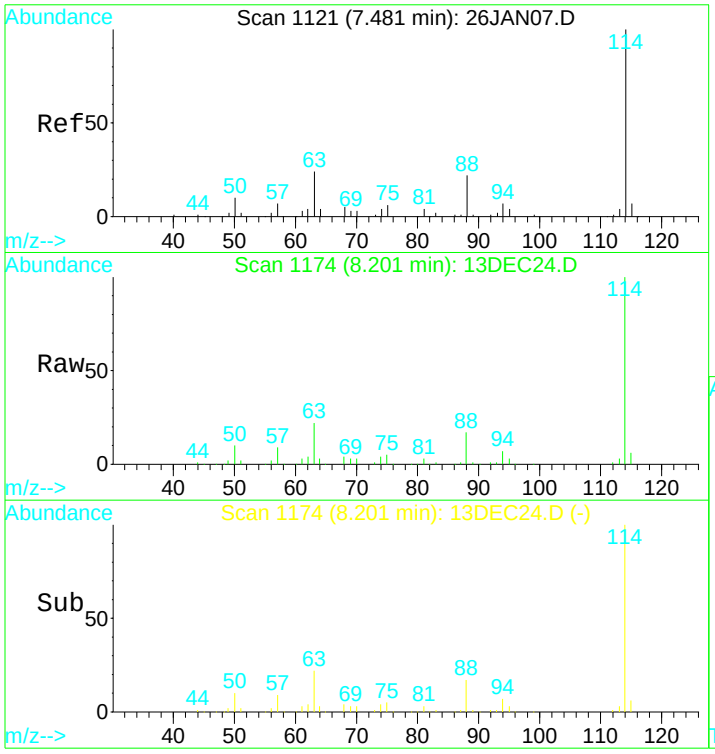


#23
1,2-dichloroethane d4 SMC #1
Concen: N.D. ug/L
RT: 7.81 min Scan# 1097
Delta R.T. -0.01 min
Lab File: 13DEC24.D
Acq: 13 Dec 2022 2:56 pm

Tgt Ion: 65 Resp: 124584

Ion	Ratio	Lower	Upper
65	100		
67	49.9	37.7	70.1
51	37.5	511.6	950.2#

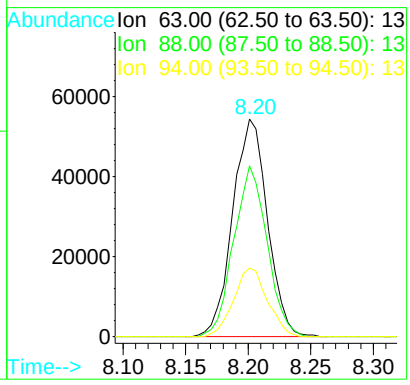


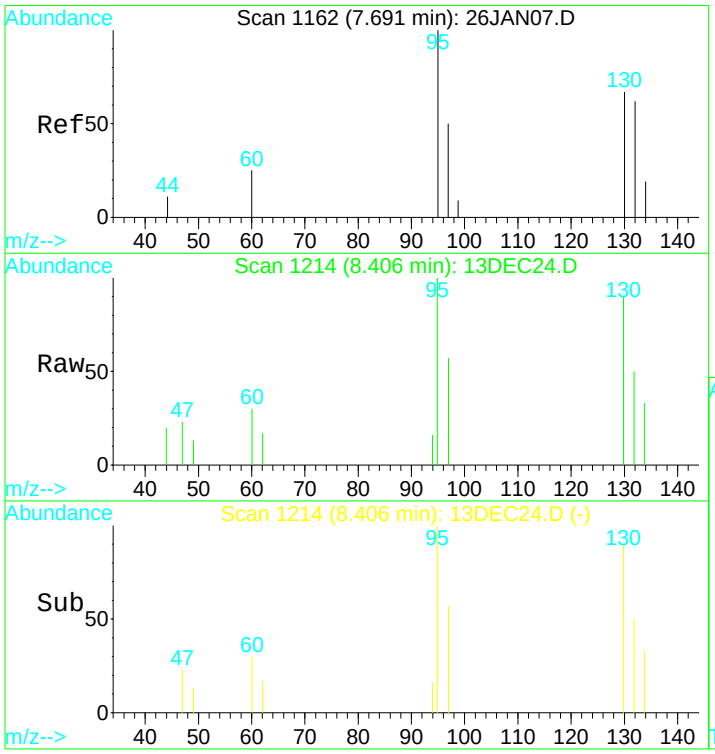


#26
1,4-Difluorobenzene IS#2
Concen: 10.00 ug/L
RT: 8.20 min Scan# 1174
Delta R.T. 0.00 min
Lab File: 13DEC24.D
Acq: 13 Dec 2022 2:56 pm

Tgt Ion: 63 Resp: 105342

Ion	Ratio	Lower	Upper
63	100		
88	75.1	52.1	96.7
94	30.5	19.7	36.7

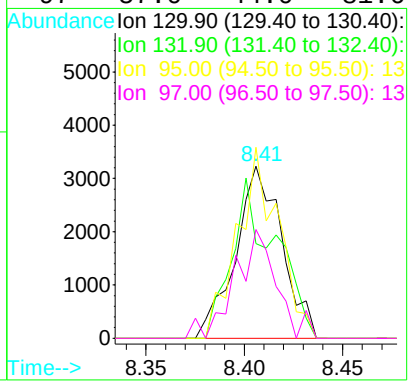


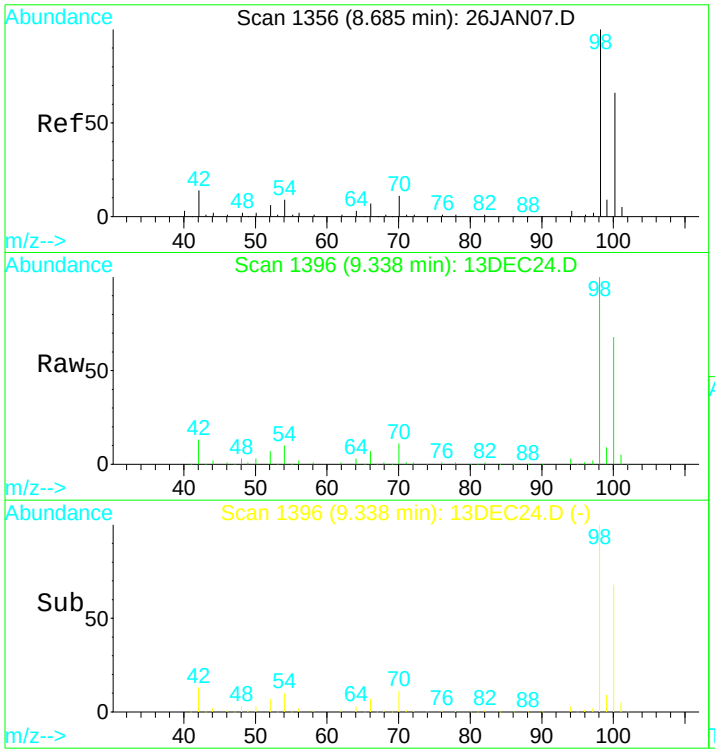


#27
Trichloroethene
Concen: 0.29 ug/L
RT: 8.41 min Scan# 1214
Delta R.T. -0.00 min
Lab File: 13DEC24.D
Acq: 13 Dec 2022 2:56 pm

Tgt Ion:130 Resp: 5289

Ion	Ratio	Lower	Upper
130	100		
132	87.6	67.3	124.9
95	97.7	67.0	124.4
97	57.0	44.0	81.6

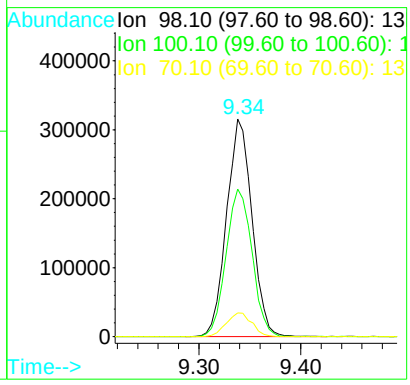


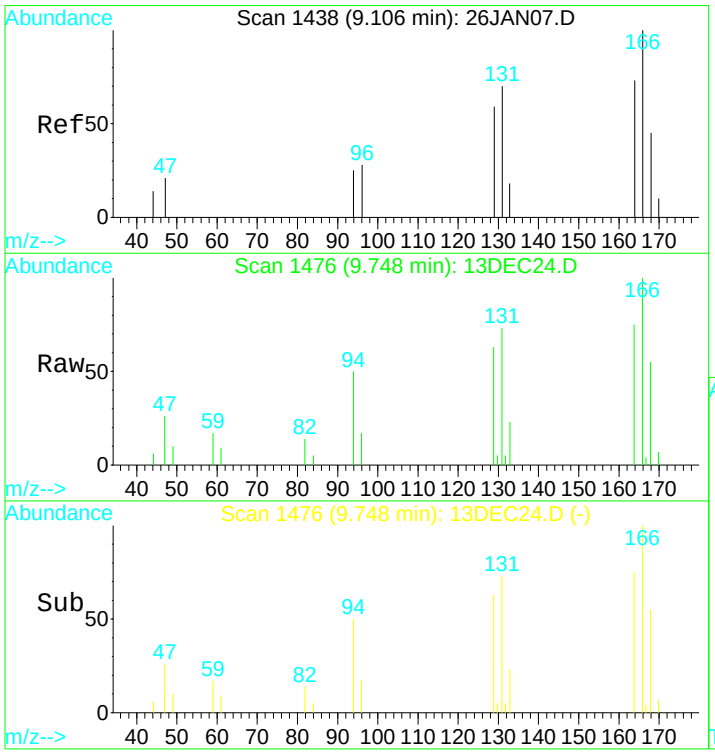


#33
Toluene d8 SMC#2
Concen: N.D. ug/L
RT: 9.34 min Scan# 1396
Delta R.T. -0.01 min
Lab File: 13DEC24.D
Acq: 13 Dec 2022 2:56 pm

Tgt Ion: 98 Resp: 545502

Ion	Ratio	Lower	Upper
98	100		
100	69.3	47.4	88.0
70	11.1	7.7	14.3

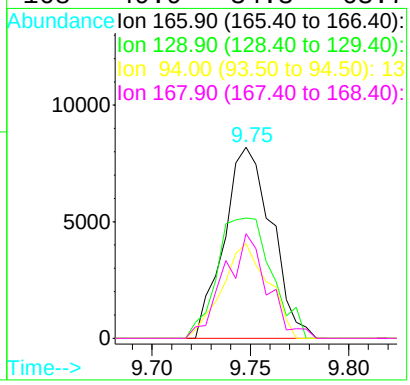


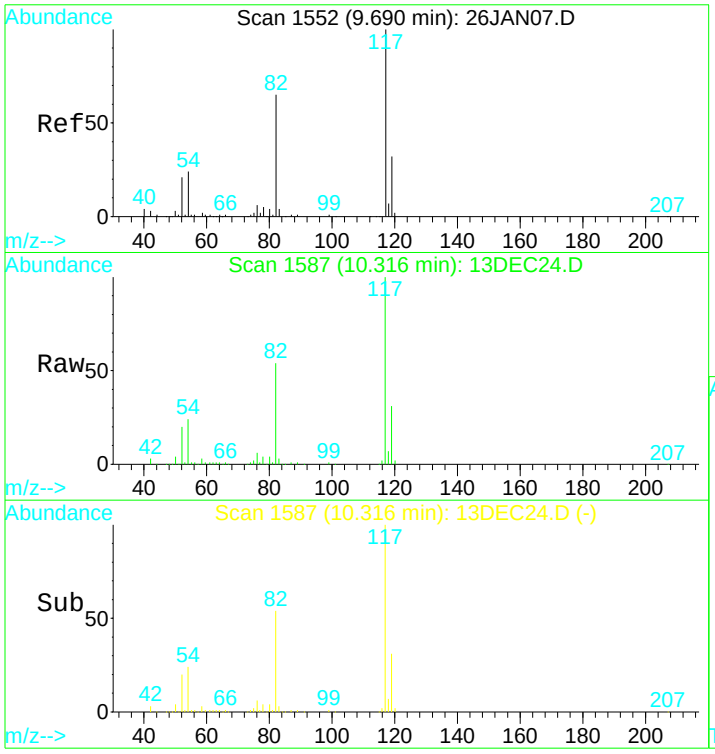


#37
Tetrachloroethene (PCE)
Concen: 0.82 ug/L
RT: 9.75 min Scan# 1476
Delta R.T. 0.00 min
Lab File: 13DEC24.D
Acq: 13 Dec 2022 2:56 pm

Tgt Ion:166 Resp: 13746

Ion	Ratio	Lower	Upper
166	100		
129	72.7	53.5	99.5
94	48.4	30.2	56.2
168	49.9	34.3	63.7

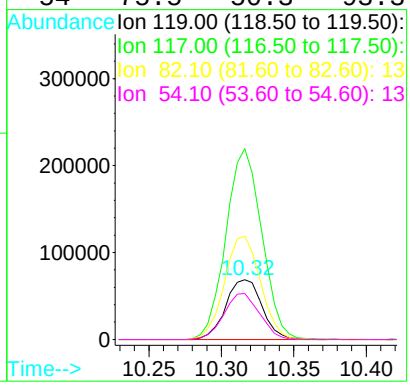


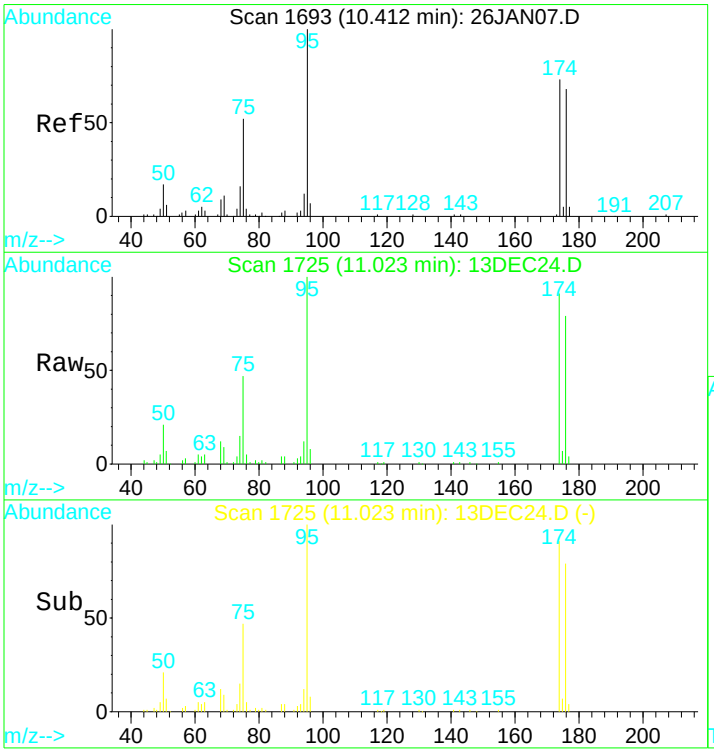


#41
Chlorobenzene d5 IS#3
Concen: 10.00 ug/L
RT: 10.32 min Scan# 1587
Delta R.T. 0.00 min
Lab File: 13DEC24.D
Acq: 13 Dec 2022 2:56 pm

Tgt Ion:119 Resp: 120338

Ion	Ratio	Lower	Upper
119	100		
117	313.9	210.3	390.6
82	170.4	119.1	221.3
54	75.5	50.3	93.3

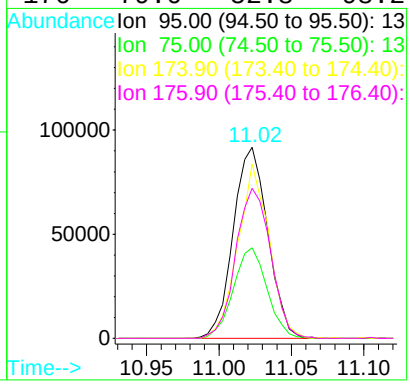




#51
Bromofluorobenzene SMC#3
Concen: N.D. ug/L
RT: 11.02 min Scan# 1725
Delta R.T. 0.00 min
Lab File: 13DEC24.D
Acq: 13 Dec 2022 2:56 pm

Tgt Ion: 95 Resp: 152043

Ion	Ratio	Lower	Upper
95	100		
75	46.0	31.7	58.9
174	83.1	54.2	100.6
176	79.0	52.8	98.2



Quantitation Report (QT Reviewed)

Data File : D:\DATA\DEC2022C\DEC13\13DEC24.D Vial: 24
Acq On : 13 Dec 2022 2:56 pm Operator: mgc
Sample : 2229425-13 Inst : MS-V5
Misc : 1 ;25ML;pH=2 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Dec 14 12:52 2022 Quant Results File: 82605CX.RES

Quant Method : C:\HPCHEM\1...\82605CX.M (RTE Integrator)
Title : EPA Method 8260C/DX
Last Update : Thu Dec 01 09:35:24 2022
Response via : Initial Calibration
DataAcq Meth : 82605

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene IS#1	7.50	137	54902	10.00	ug/L	0.00
29) 1,4-Difluorobenzene IS#2	8.20	63	105342	10.00	ug/L	0.00
36) Chlorobenzene d5 IS#3	10.32	119	120338	10.00	ug/L	0.00

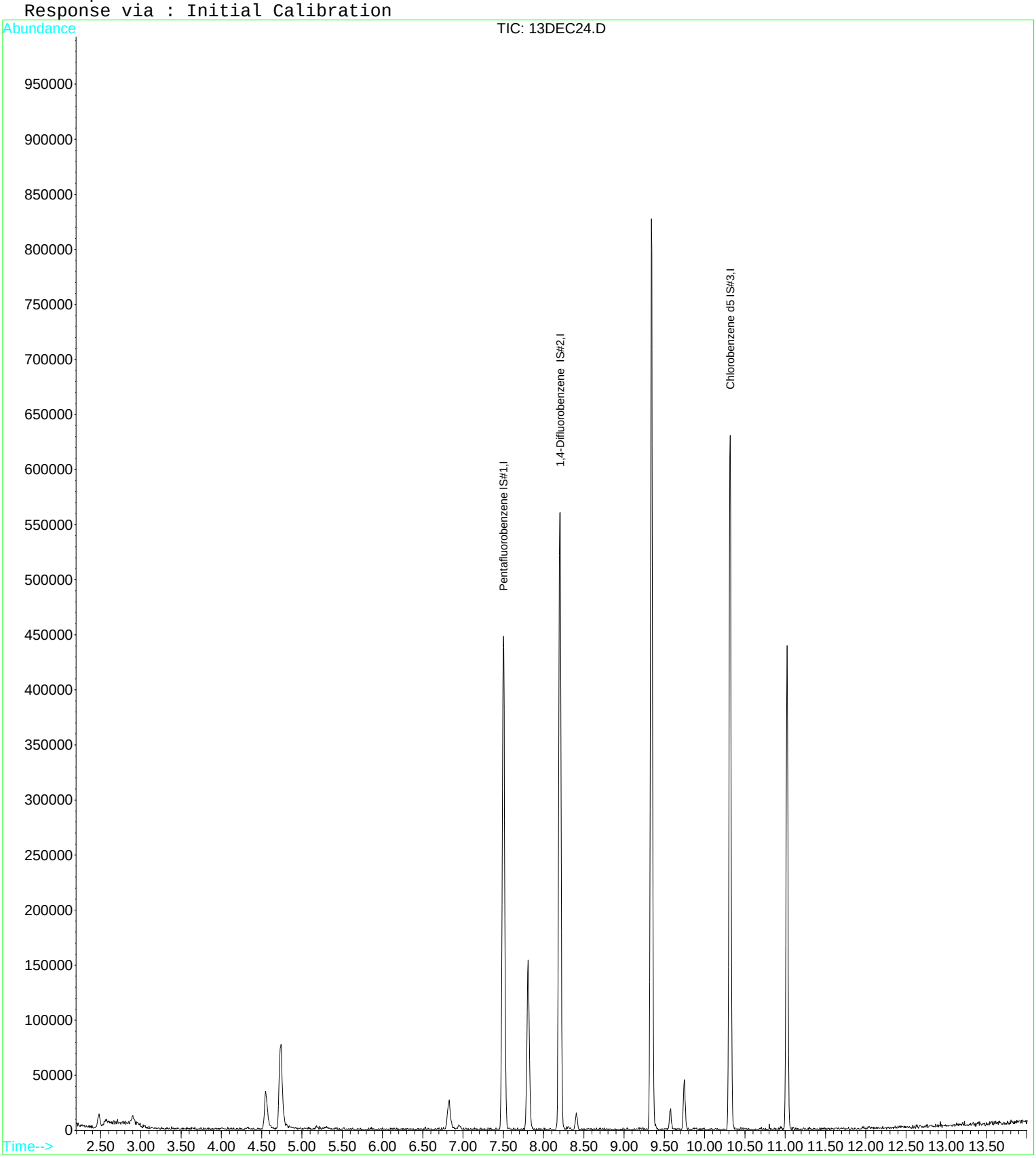
Target Compounds Qvalue

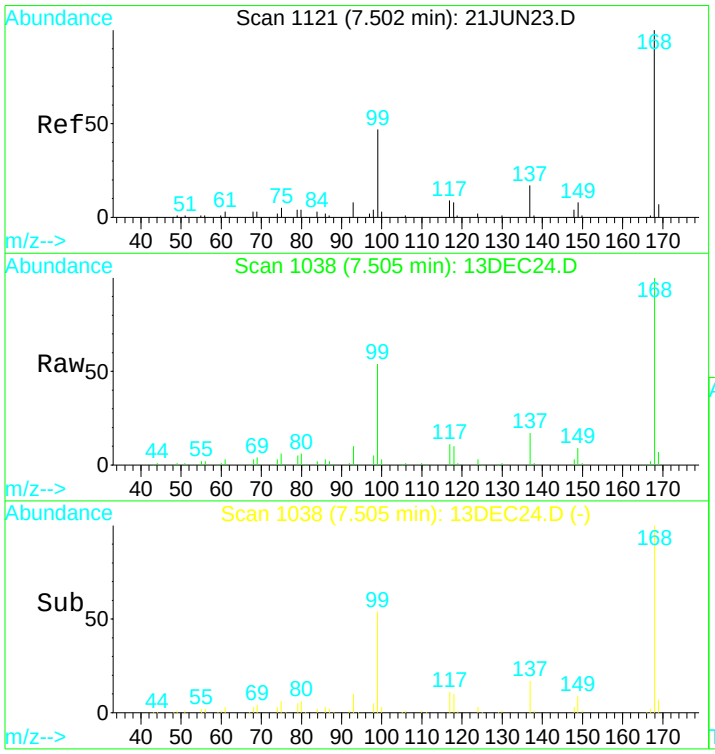
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : D:\DATA\DEC2022C\DEC13\13DEC24.D Vial: 24
Acq On : 13 Dec 2022 2:56 pm Operator: mgc
Sample : 2229425-13 Inst : MS-V5
Misc : 1 ;25ML;pH=2 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Dec 14 12:52 2022 Quant Results File: 82605CX.RES

Method : C:\HPCHEM\1\METHODS\C\202210\16-1301\82605CX.M (RTE Integrator)
Title : EPA Method 8260C/DX
Last Update : Thu Dec 01 09:35:24 2022
Response via : Initial Calibration

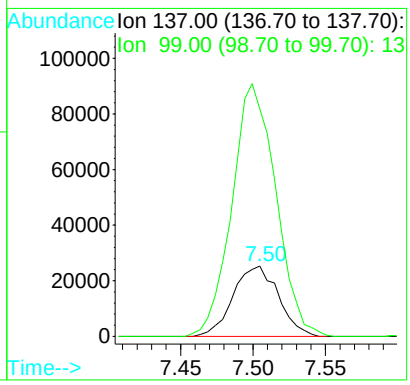


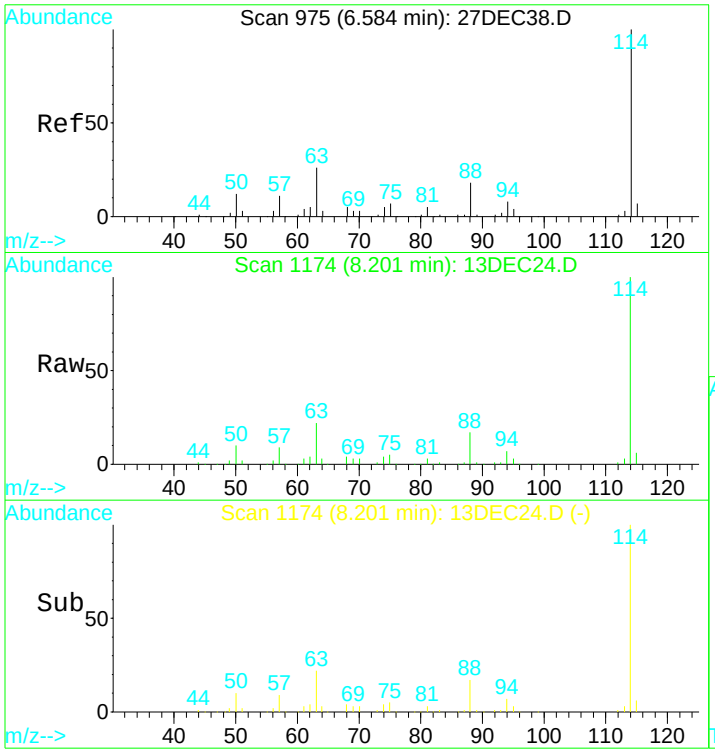


#1
Pentafluorobenzene IS#1
Concen: 10.00 ug/L
RT: 7.50 min Scan# 1038
Delta R.T. 0.00 min
Lab File: 13DEC24.D
Acq: 13 Dec 2022 2:56 pm

Tgt Ion:137 Resp: 54902

Ion	Ratio	Lower	Upper
137	100		
99	348.8	241.0	447.6

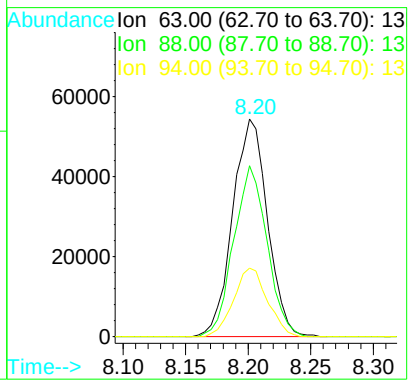


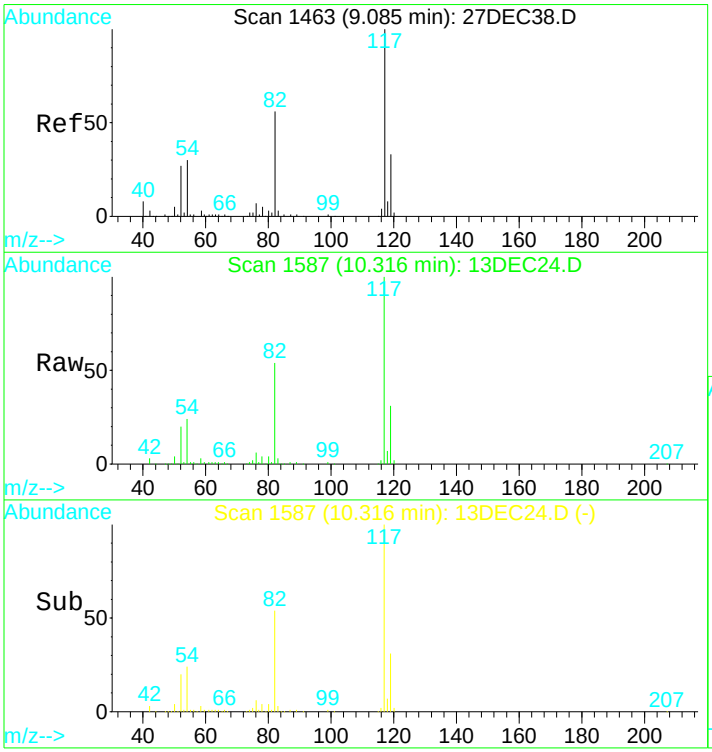


#29
1,4-Difluorobenzene IS#2
Concen: 10.00 ug/L
RT: 8.20 min Scan# 1174
Delta R.T. -0.00 min
Lab File: 13DEC24.D
Acq: 13 Dec 2022 2:56 pm

Tgt Ion: 63 Resp: 105342

Ion	Ratio	Lower	Upper
63	100		
88	75.1	54.9	102.1
94	30.5	21.0	39.0

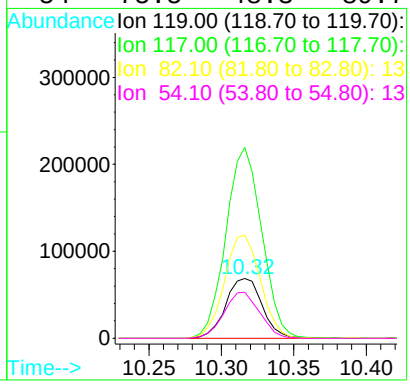




#36
Chlorobenzene d5 IS#3
Concen: 10.00 ug/L
RT: 10.32 min Scan# 1587
Delta R.T. 0.00 min
Lab File: 13DEC24.D
Acq: 13 Dec 2022 2:56 pm

Tgt Ion:119 Resp: 120338

Ion	Ratio	Lower	Upper
119	100		
117	313.9	215.7	400.5
82	170.4	118.3	219.7
54	75.5	48.3	89.7



Quantitation Report (QT Reviewed)

Data File : D:\DATA\DEC2022C\DEC13\13DEC25.D Vial: 25
Acq On : 13 Dec 2022 3:20 pm Operator: mgc
Sample : 2229425-14 Inst : MS-V5
Misc : 1 ;25ML;pH=2 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Dec 14 12:40 2022 Quant Results File: 82605C.RES

Quant Method : C:\HPCHEM\1...\82605C.M (RTE Integrator)
Title : EPA Method 8260C/D
Last Update : Thu Nov 17 08:03:26 2022
Response via : Initial Calibration
DataAcq Meth : 82605

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene IS#1	7.50	137	53910	10.00	ug/L	0.00
26) 1,4-Difluorobenzene IS#2	8.20	63	102827	10.00	ug/L	0.00
41) Chlorobenzene d5 IS#3	10.32	119	123018	10.00	ug/L	0.00
System Monitoring Compounds						
23) 1,2-dichloroethane d4 SMC	7.81	65	118614	11.05	ug/L	0.00
Spiked Amount 10.000	Range 75 - 125		Recovery = 110.50%			
33) Toluene d8 SMC#2	9.34	98	531998	9.85	ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 98.50%			
51) Bromofluorobenzene SMC#3	11.02	95	146540	9.31	ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 93.10%			

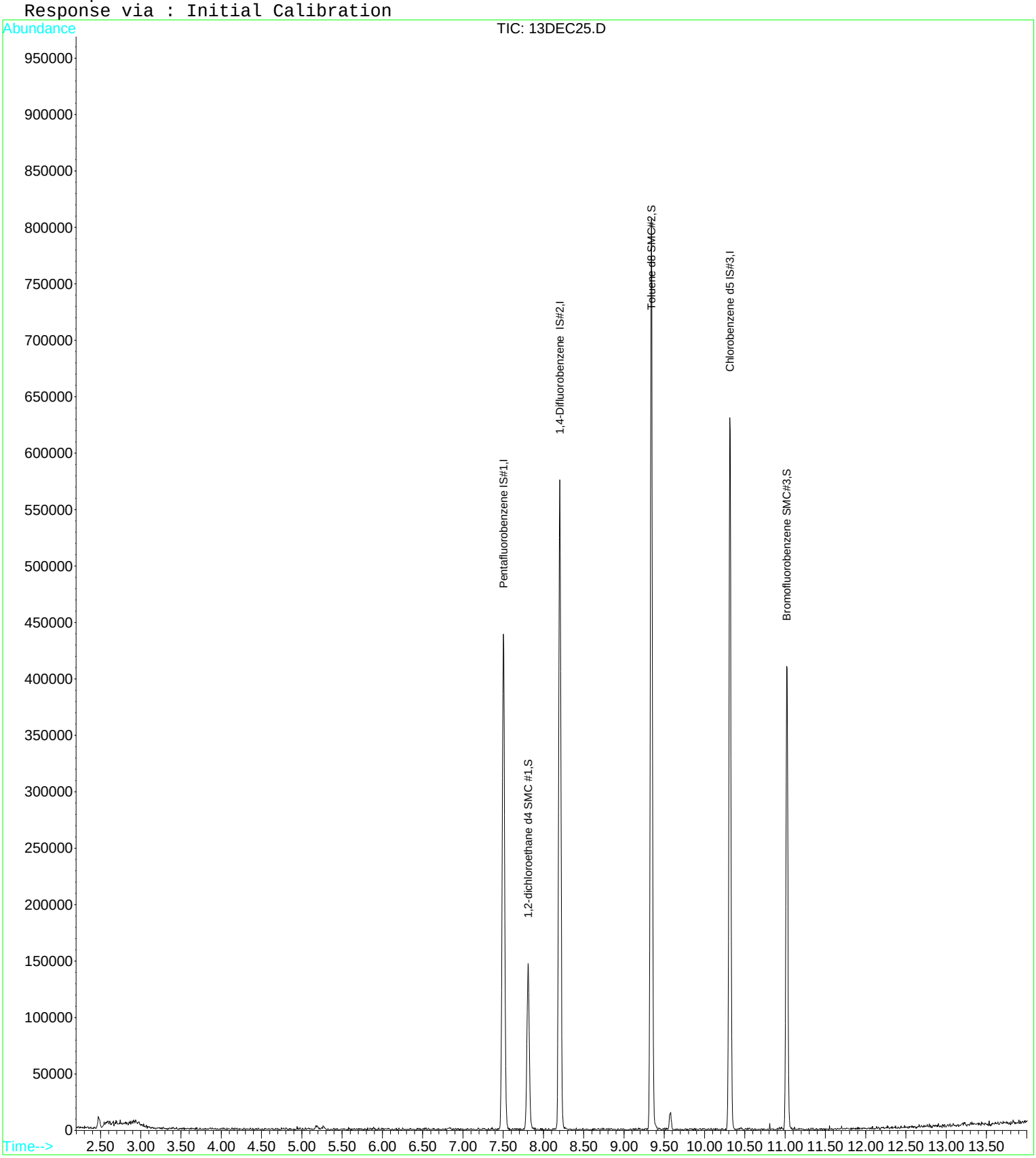
Target Compounds Qvalue

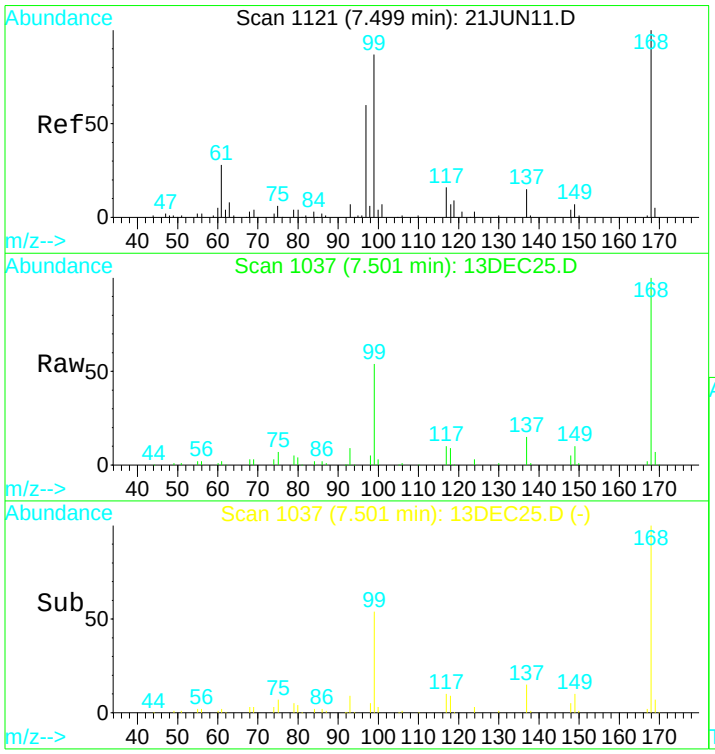
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : D:\DATA\DEC2022C\DEC13\13DEC25.D Vial: 25
Acq On : 13 Dec 2022 3:20 pm Operator: mgc
Sample : 2229425-14 Inst : MS-V5
Misc : 1 ;25ML;pH=2 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Dec 14 12:40 2022 Quant Results File: 82605C.RES

Method : C:\HPCHEM\1\METHODS\C\202211\14-1045\82605C.M (RTE Integrator)
Title : EPA Method 8260C/D
Last Update : Thu Nov 17 08:03:26 2022
Response via : Initial Calibration

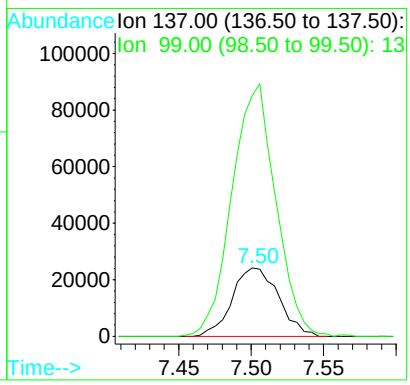


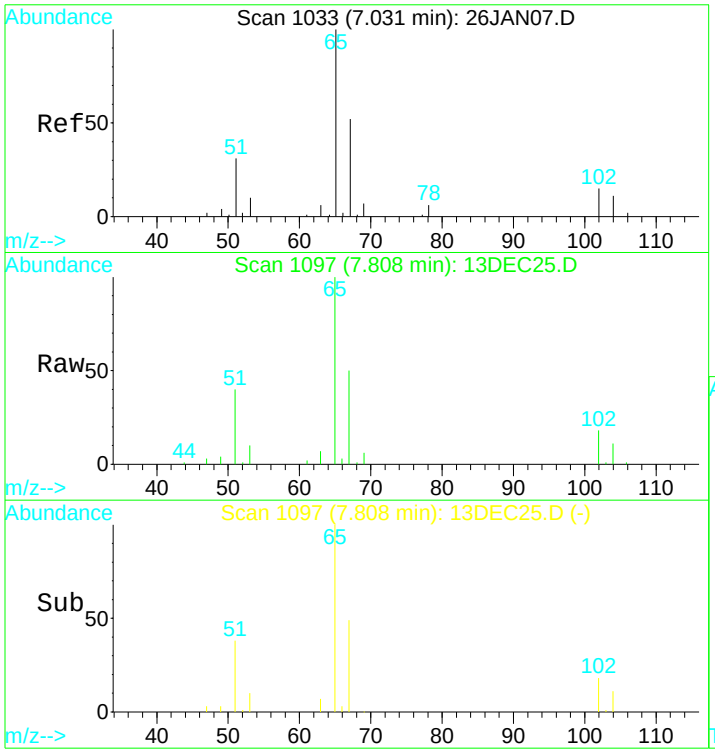


#1
Pentafluorobenzene IS#1
Concen: 10.00 ug/L
RT: 7.50 min Scan# 1037
Delta R.T. 0.00 min
Lab File: 13DEC25.D
Acq: 13 Dec 2022 3:20 pm

Tgt Ion:137 Resp: 53910

Ion	Ratio	Lower	Upper
137	100		
99	348.2	1402.2	2604.0#

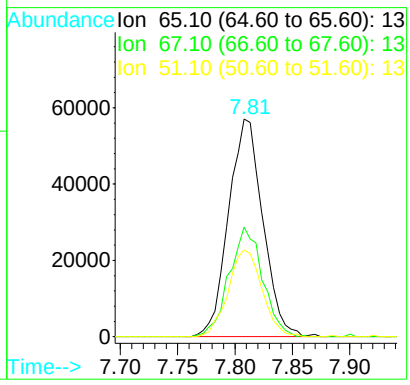


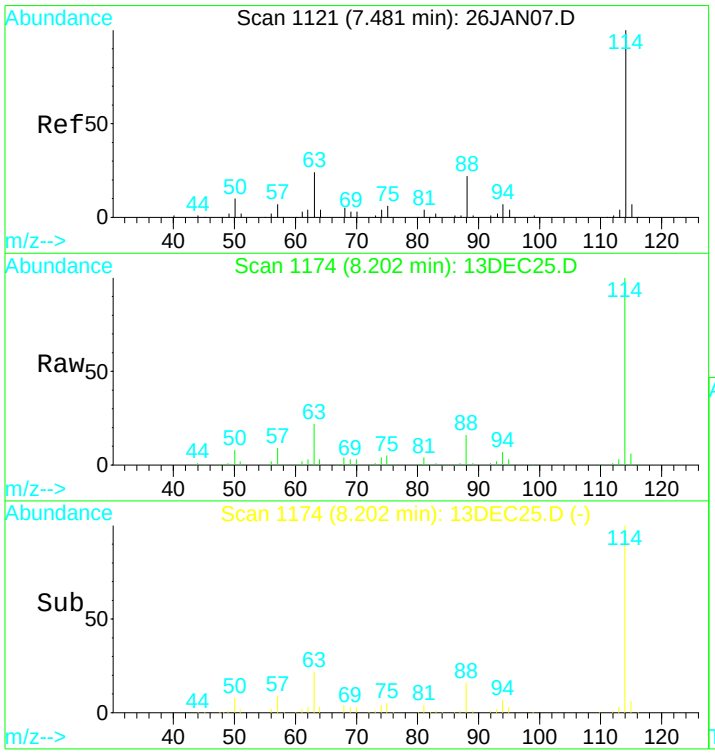


#23
1,2-dichloroethane d4 SMC #1
Concen: N.D. ug/L
RT: 7.81 min Scan# 1097
Delta R.T. -0.00 min
Lab File: 13DEC25.D
Acq: 13 Dec 2022 3:20 pm

Tgt Ion: 65 Resp: 118614

Ion	Ratio	Lower	Upper
65	100		
67	49.1	37.7	70.1
51	39.3	511.6	950.2#

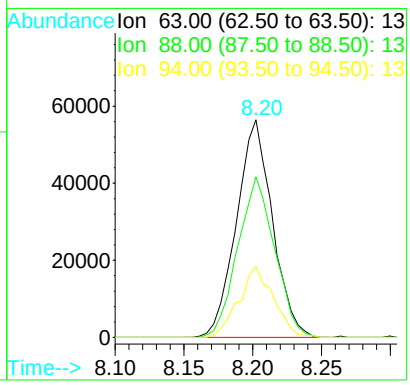


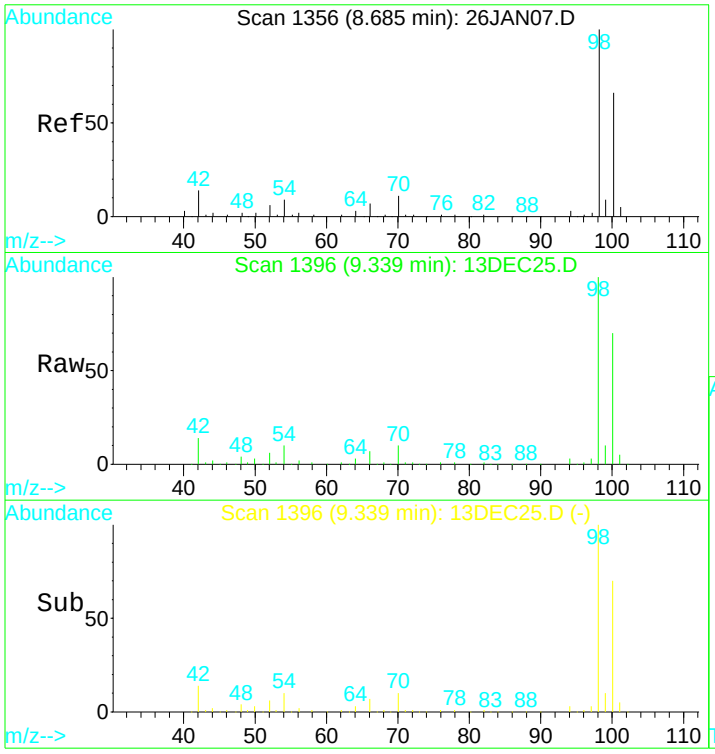


#26
1,4-Difluorobenzene IS#2
Concen: 10.00 ug/L
RT: 8.20 min Scan# 1174
Delta R.T. 0.00 min
Lab File: 13DEC25.D
Acq: 13 Dec 2022 3:20 pm

Tgt Ion: 63 Resp: 102827

Ion	Ratio	Lower	Upper
63	100		
88	75.6	52.1	96.7
94	31.4	19.7	36.7

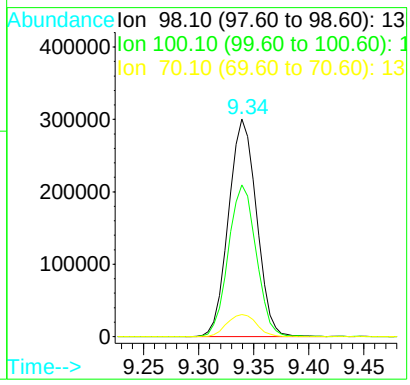


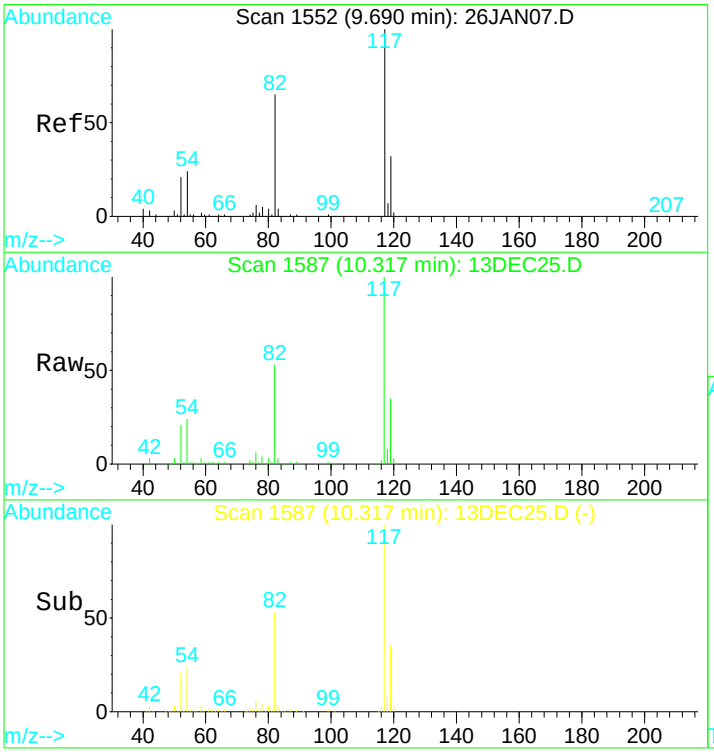


#33
Toluene d8 SMC#2
Concen: N.D. ug/L
RT: 9.34 min Scan# 1396
Delta R.T. -0.00 min
Lab File: 13DEC25.D
Acq: 13 Dec 2022 3:20 pm

Tgt Ion: 98 Resp: 531998

Ion	Ratio	Lower	Upper
98	100		
100	69.3	47.4	88.0
70	10.8	7.7	14.3

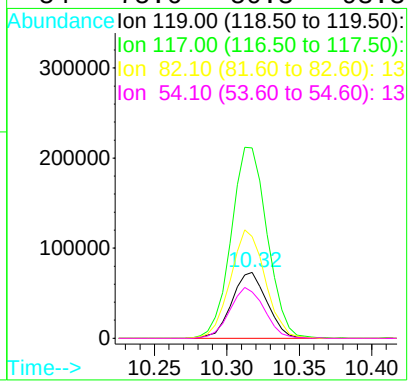


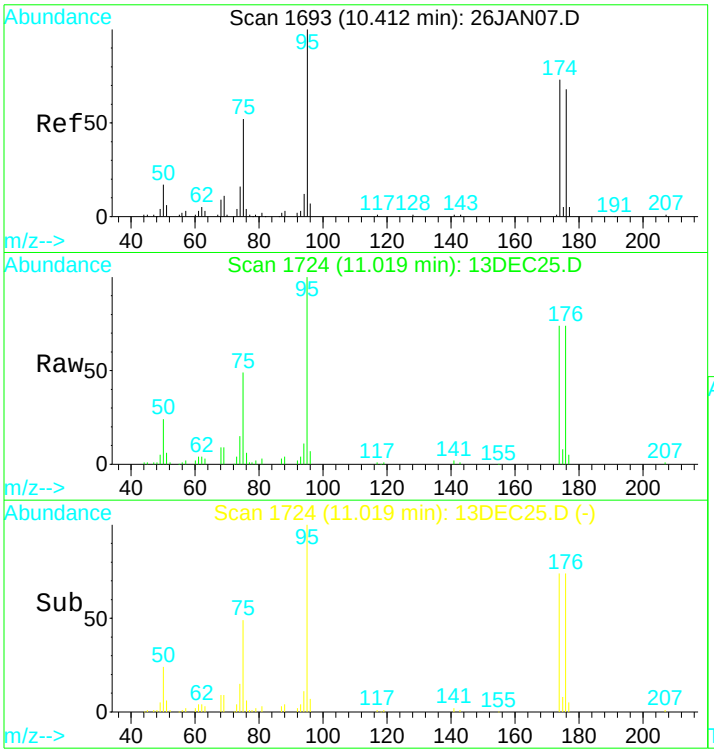


#41
Chlorobenzene d5 IS#3
Concen: 10.00 ug/L
RT: 10.32 min Scan# 1587
Delta R.T. 0.00 min
Lab File: 13DEC25.D
Acq: 13 Dec 2022 3:20 pm

Tgt Ion:119 Resp: 123018

Ion	Ratio	Lower	Upper
119	100		
117	298.1	210.3	390.6
82	163.1	119.1	221.3
54	75.6	50.3	93.3

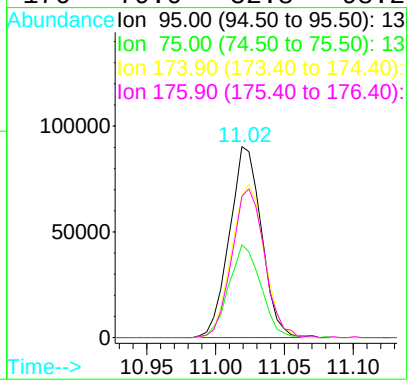




#51
Bromofluorobenzene SMC#3
Concen: N.D. ug/L
RT: 11.02 min Scan# 1724
Delta R.T. -0.00 min
Lab File: 13DEC25.D
Acq: 13 Dec 2022 3:20 pm

Tgt Ion: 95 Resp: 146540

Ion	Ratio	Lower	Upper
95	100		
75	48.2	31.7	58.9
174	81.9	54.2	100.6
176	79.0	52.8	98.2



Quantitation Report (QT Reviewed)

Data File : D:\DATA\DEC2022C\DEC13\13DEC25.D Vial: 25
Acq On : 13 Dec 2022 3:20 pm Operator: mgc
Sample : 2229425-14 Inst : MS-V5
Misc : 1 ;25ML;pH=2 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Dec 14 12:53 2022 Quant Results File: 82605CX.RES

Quant Method : C:\HPCHEM\1...\82605CX.M (RTE Integrator)
Title : EPA Method 8260C/DX
Last Update : Thu Dec 01 09:35:24 2022
Response via : Initial Calibration
DataAcq Meth : 82605

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene IS#1	7.50	137	53910	10.00	ug/L	0.00
29) 1,4-Difluorobenzene IS#2	8.20	63	102827	10.00	ug/L	0.00
36) Chlorobenzene d5 IS#3	10.32	119	123018	10.00	ug/L	0.00

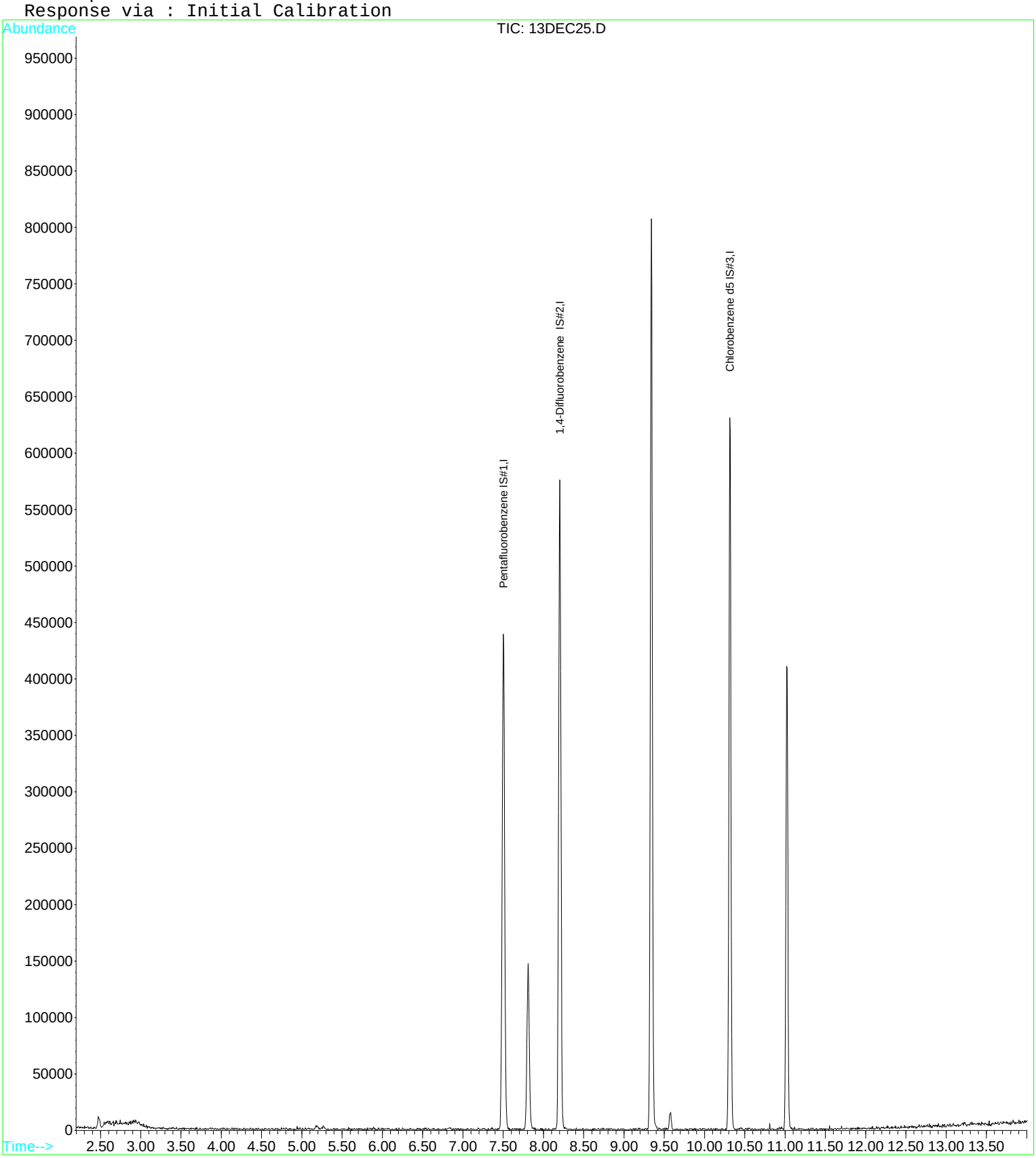
Target Compounds Qvalue

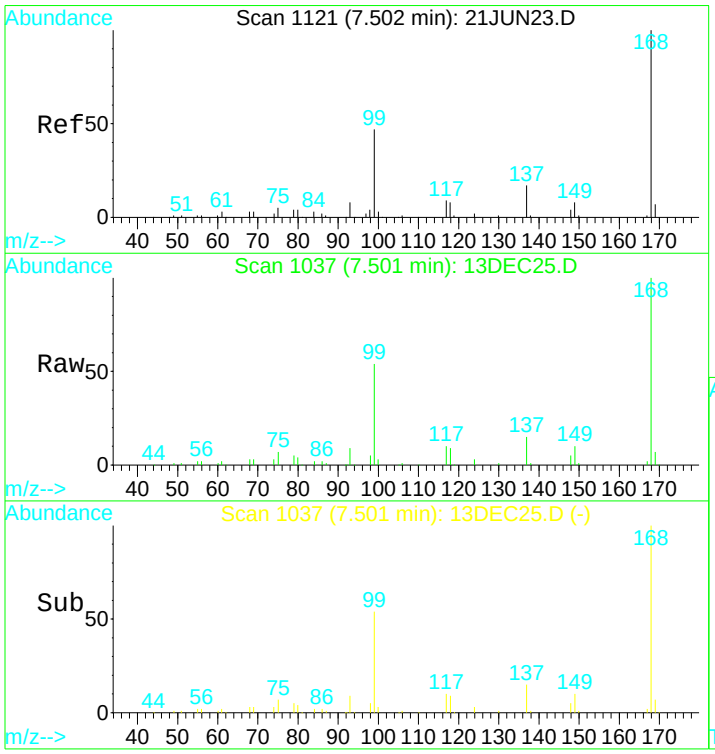
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : D:\DATA\DEC2022C\DEC13\13DEC25.D Vial: 25
Acq On : 13 Dec 2022 3:20 pm Operator: mgc
Sample : 2229425-14 Inst : MS-V5
Misc : 1 ;25ML;pH=2 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Dec 14 12:53 2022 Quant Results File: 82605CX.RES

Method : C:\HPCHEM\1\METHODS\C\202210\16-1301\82605CX.M (RTE Integrator)
Title : EPA Method 8260C/DX
Last Update : Thu Dec 01 09:35:24 2022
Response via : Initial Calibration

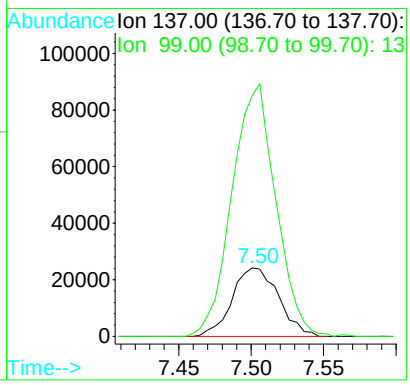


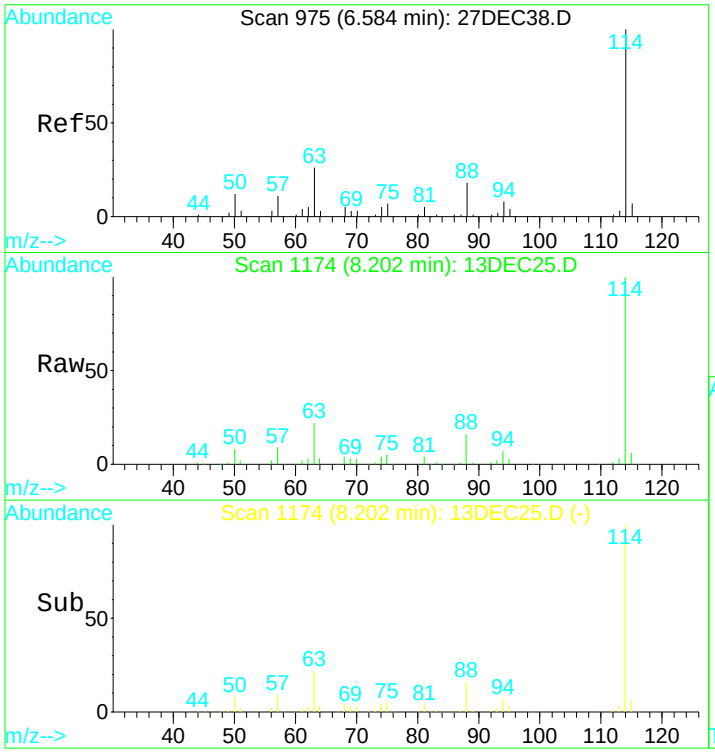


#1
Pentafluorobenzene IS#1
Concen: 10.00 ug/L
RT: 7.50 min Scan# 1037
Delta R.T. -0.00 min
Lab File: 13DEC25.D
Acq: 13 Dec 2022 3:20 pm

Tgt Ion:137 Resp: 53910

Ion	Ratio	Lower	Upper
137	100		
99	348.2	241.0	447.6

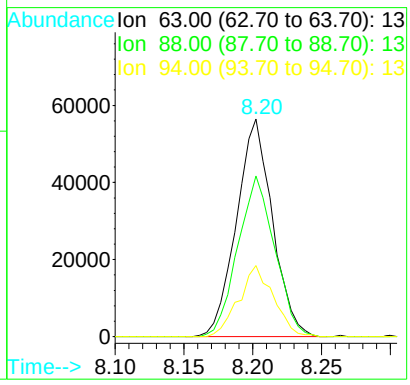


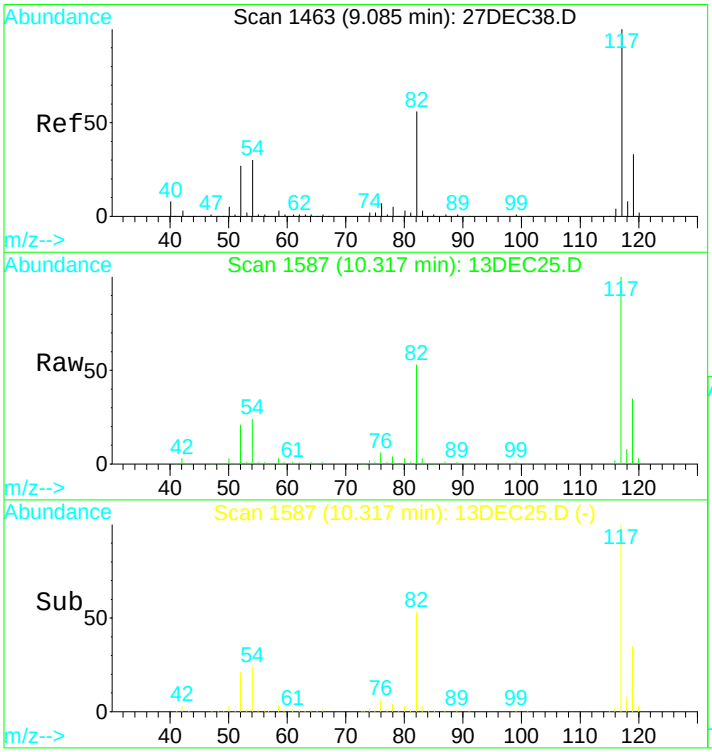


#29
1,4-Difluorobenzene IS#2
Concen: 10.00 ug/L
RT: 8.20 min Scan# 1174
Delta R.T. -0.00 min
Lab File: 13DEC25.D
Acq: 13 Dec 2022 3:20 pm

Tgt Ion: 63 Resp: 102827

Ion	Ratio	Lower	Upper
63	100		
88	75.6	54.9	102.1
94	31.4	21.0	39.0

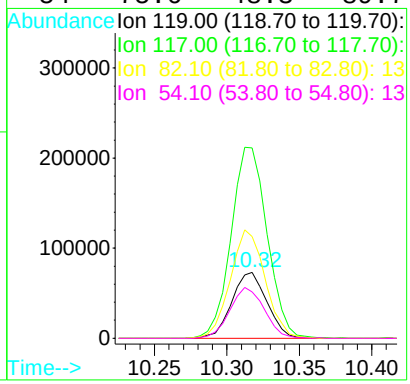




#36
Chlorobenzene d5 IS#3
Concen: 10.00 ug/L
RT: 10.32 min Scan# 1587
Delta R.T. 0.00 min
Lab File: 13DEC25.D
Acq: 13 Dec 2022 3:20 pm

Tgt Ion:119 Resp: 123018

Ion	Ratio	Lower	Upper
119	100		
117	298.1	215.7	400.5
82	163.1	118.3	219.7
54	75.6	48.3	89.7



Raw Data - Calibration Standards

Quantitation Report (QT Reviewed)

Data File : D:\DATA\NOV2022C\NOV14\14NOV03.D Vial: 3
Acq On : 14 Nov 2022 9:09 am Operator: mgc
Sample : 2221072-CAL1 Inst : MS-V5
Misc : 1 ;2K14005;25ML Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Nov 17 7:54 2022 Quant Results File: 82605C.RES

Quant Method : C:\HPCHEM\1...\82605C.M (RTE Integrator)
Title : EPA Method 8260C/D
Last Update : Fri Sep 30 06:43:11 2022
Response via : Initial Calibration
DataAcq Meth : 82605

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Pentafluorobenzene IS#1	7.50	137	53730	10.00	ug/L		0.00
26) 1,4-Difluorobenzene IS#2	8.20	63	104681	10.00	ug/L		0.00
41) Chlorobenzene d5 IS#3	10.32	119	120996	10.00	ug/L		0.00
System Monitoring Compounds							
23) 1,2-dichloroethane d4 SMC	7.81	65	100062	8.48	ug/L		0.00
Spiked Amount 10.000	Range 75 - 125		Recovery = 84.80%				
33) Toluene d8 SMC#2	9.34	98	547678	9.90	ug/L		0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 99.00%				
51) Bromofluorobenzene SMC#3	11.02	95	152319	9.67	ug/L		0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 96.70%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	2.31	85	11052	0.47	ug/L		94
4) Chloromethane	2.57	50	14530	0.43	ug/L		90
5) Vinyl chloride	2.73	62	10488	0.33	ug/L		91
6) Bromomethane	3.23	94	6501	0.46	ug/L	#	82
7) Chloroethane	3.39	64	8548	0.46	ug/L		100
8) Dichlorofluoromethane	3.71	67	9761	0.28	ug/L	#	75
9) Trichlorofluoromethane	3.76	101	13373	0.52	ug/L		100
10) 1,1,2-Trichloro-1,2,2-trif	4.51	101	8933	0.53	ug/L		94
11) 1,1-Dichloroethene	4.49	61	15538	0.48	ug/L		98
12) Methylene chloride	5.19	84	8378	0.24	ug/L		96
13) MTBE	5.56	73	12935	0.45	ug/L		91
14) T-1,2-dichloroethene	5.57	96	10609	0.50	ug/L		92
15) 1,1-Dichloroethane	6.23	63	19218	0.48	ug/L		92
16) 2,2-Dichloropropane	6.96	77	13425	0.46	ug/L		96
17) Cis-1,2-dichloroethene	6.96	96	10755	0.49	ug/L		92
18) Bromochloromethane	7.21	128	2875	0.45	ug/L		97
19) Chloroform	7.32	83	15232	0.48	ug/L		91
20) 1,1,1-Trichloroethane	7.48	97	13717	0.48	ug/L	#	1
21) 1,1-Dichloropropene	7.65	75	12723	0.44	ug/L		97
22) Carbon tetrachloride	7.64	119	8856	0.48	ug/L		92
24) 1,2-Dichloroethane	7.87	62	7704	0.47	ug/L		91
25) Benzene	7.84	78	40270	0.48	ug/L	#	1
27) Trichloroethene	8.41	130	9889	0.58	ug/L		99
28) 1,2-Dichloropropane	8.62	63	9303	0.53	ug/L		94
29) Dibromomethane	8.69	93	2555	0.51	ug/L		95
30) Bromodichloromethane	8.83	83	8019	0.57	ug/L		97
31) 2-ceve	9.02	63	9633	1.82	ug/L		89
32) Cis-1,3-dichloropropene	9.14	75	10678	0.52	ug/L	#	63
34) Toluene	9.39	92	22802	0.55	ug/L		80
35) Trans-1,3-dichloropropene	9.54	75	6191	0.43	ug/L		98
36) 1,1,2-Trichloroethane	9.68	97	3964	0.50	ug/L		91
37) Tetrachloroethene (PCE)	9.74	166	9212	0.61	ug/L		96
38) 1,3-Dichloropropane	9.78	76	6972	0.49	ug/L		97
39) Dibromochloromethane	9.94	129	3493	0.51	ug/L	#	82
40) 1,2-Dibromoethane	10.02	107	3358	0.53	ug/L		88
42) Chlorobenzene	10.34	112	22893	0.55	ug/L		93
43) 1,1,1,2-Tetrachloroethane	10.38	131	5623	0.49	ug/L		92
44) Ethylbenzene	10.38	106	12416m	0.49	ug/L		
45) P+m-Xylene	10.45	106	30481	1.07	ug/L	#	58
46) O-Xylene	10.69	106	14455	0.53	ug/L		77
47) Styrene	10.71	104	19587	0.49	ug/L		90
48) Bromoform	10.84	173	994	0.34	ug/L	#	44
49) Isopropylbenzene	10.90	105	38771	0.54	ug/L		82
50) 1,1,2,2-Tetrachloroethane	11.07	83	3224	0.43	ug/L		100
52) 1,2,3-Trichloropropane	11.11	110	611	0.32	ug/L	#	54

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

Quantitation Report (QT Reviewed)

Data File : D:\DATA\NOV2022C\NOV14\14NOV03.D Vial: 3
Acq On : 14 Nov 2022 9:09 am Operator: mgc
Sample : 2221072-CAL1 Inst : MS-V5
Misc : 1 ;2K14005;25ML Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Nov 17 7:54 2022 Quant Results File: 82605C.RES

Quant Method : C:\HPCHEM\1...\82605C.M (RTE Integrator)
Title : EPA Method 8260C/D
Last Update : Fri Sep 30 06:43:11 2022
Response via : Initial Calibration
DataAcq Meth : 82605

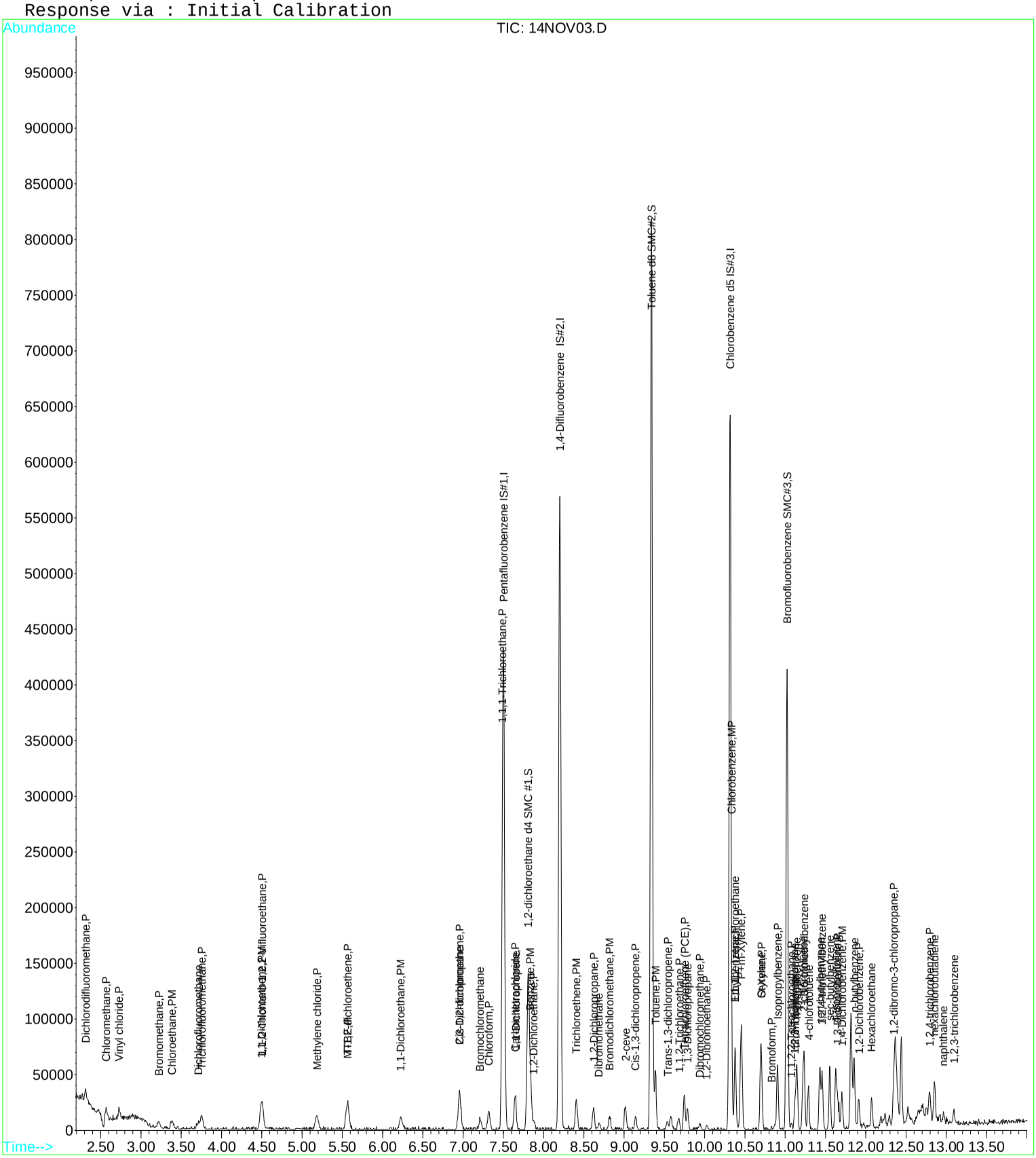
	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
53)	n-propylbenzene	11.15	91	45121	0.56	ug/L	#	82
54)	bromobenzene	11.12	156	6972	0.53	ug/L		90
55)	1,3,5-trimethylbenzene	11.23	105	29066	0.56	ug/L		91
56)	2-chlorotoluene	11.22	91	29239	0.58	ug/L		92
57)	4-chlorotoluene	11.29	91	24490	0.55	ug/L		92
58)	tert-butylbenzene	11.43	119	29784	0.55	ug/L		93
59)	1,2,4-trimethylbenzene	11.46	105	26617	0.54	ug/L		95
60)	sec-butylbenzene	11.56	105	40332	0.56	ug/L		87
61)	4-isopropyltoluene	11.63	119	29668	0.55	ug/L		85
62)	1,3-Dichlorobenzene	11.65	146	14193	0.55	ug/L		95
63)	1,4-Dichlorobenzene	11.70	146	13219	0.54	ug/L		96
64)	n-butylbenzene	11.86	91	27106	0.52	ug/L		88
65)	1,2-Dichlorobenzene	11.92	146	11340	0.53	ug/L		94
66)	Hexachloroethane	12.07	117	3248	0.53	ug/L	#	70
67)	1,2-dibromo-3-chloropropan	12.34	75	154	0.66	ug/L	#	1
68)	1,2,4-trichlorobenzene	12.79	180	6037	0.50	ug/L		86
69)	hexachlorobutadiene	12.85	225	4210	0.52	ug/L		88
70)	naphthalene	12.96	128	7946	0.51	ug/L		100
71)	1,2,3-trichlorobenzene	13.10	180	4715	0.51	ug/L		88

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

Quantitation Report

Data File : D:\DATA\NOV2022C\NOV14\14NOV03.D Vial: 3
Acq On : 14 Nov 2022 9:09 am Operator: mgc
Sample : 2221072-CAL1 Inst : MS-V5
Misc : 1 ;2K14005;25ML Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Nov 17 7:54 2022 Quant Results File: 82605C.RES

Method : C:\HPCHEM\1\METHODS\C\202211\14-1045\82605C.M (RTE Integrator)
Title : EPA Method 8260C/D
Last Update : Fri Sep 30 06:43:11 2022
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : D:\DATA\NOV2022C\NOV14\14NOV04.D Vial: 4
Acq On : 14 Nov 2022 9:33 am Operator: mgc
Sample : 2221072-CAL2 Inst : MS-V5
Misc : 1 ;2K14006;25ML Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Nov 17 7:54 2022 Quant Results File: 82605C.RES

Quant Method : C:\HPCHEM\1...\82605C.M (RTE Integrator)
Title : EPA Method 8260C/D
Last Update : Fri Sep 30 06:43:11 2022
Response via : Initial Calibration
DataAcq Meth : 82605

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Pentafluorobenzene IS#1	7.50	137	51138	10.00	ug/L		0.00
26) 1,4-Difluorobenzene IS#2	8.20	63	104288	10.00	ug/L		0.00
41) Chlorobenzene d5 IS#3	10.31	119	119512	10.00	ug/L		0.00
System Monitoring Compounds							
23) 1,2-dichloroethane d4 SMC	7.81	65	101139	9.00	ug/L		0.00
Spiked Amount 10.000	Range 75 - 125		Recovery = 90.00%				
33) Toluene d8 SMC#2	9.34	98	543102	9.85	ug/L		0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 98.50%				
51) Bromofluorobenzene SMC#3	11.02	95	148760	9.57	ug/L		0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 95.70%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	2.31	85	23404	1.04	ug/L		95
4) Chloromethane	2.56	50	26346	0.81	ug/L		99
5) Vinyl chloride	2.73	62	21073	0.69	ug/L		98
6) Bromomethane	3.23	94	12836	0.95	ug/L		94
7) Chloroethane	3.38	64	16401	0.93	ug/L		99
8) Dichlorofluoromethane	3.71	67	19886	0.60	ug/L	#	94
9) Trichlorofluoromethane	3.75	101	27620	1.14	ug/L		100
10) 1,1,2-Trichloro-1,2,2-trif	4.52	101	16000	1.00	ug/L		99
11) 1,1-Dichloroethene	4.50	61	30184	0.98	ug/L		96
12) Methylene chloride	5.19	84	15681	0.72	ug/L		94
13) MTBE	5.55	73	23866	0.87	ug/L		95
14) T-1,2-dichloroethene	5.57	96	18858	0.93	ug/L		96
15) 1,1-Dichloroethane	6.23	63	36243	0.95	ug/L		97
16) 2,2-Dichloropropane	6.95	77	27404	0.99	ug/L		94
17) Cis-1,2-dichloroethene	6.95	96	19276	0.93	ug/L		95
18) Bromochloromethane	7.22	128	6020	0.98	ug/L		98
19) Chloroform	7.32	83	29375	0.97	ug/L		99
20) 1,1,1-Trichloroethane	7.49	97	27550	1.02	ug/L	#	1
21) 1,1-Dichloropropene	7.65	75	25925	0.94	ug/L		92
22) Carbon tetrachloride	7.65	119	18102	1.02	ug/L		95
24) 1,2-Dichloroethane	7.88	62	14270	0.91	ug/L		98
25) Benzene	7.84	78	76715	0.95	ug/L	#	45
27) Trichloroethene	8.41	130	18444	1.09	ug/L		96
28) 1,2-Dichloropropane	8.62	63	17374	1.00	ug/L		97
29) Dibromomethane	8.69	93	5239	1.05	ug/L		93
30) Bromodichloromethane	8.82	83	15505	1.11	ug/L		94
31) 2-ceve	9.02	63	18866	3.59	ug/L		88
32) Cis-1,3-dichloropropene	9.14	75	19164	0.94	ug/L		98
34) Toluene	9.39	92	44742	1.09	ug/L		86
35) Trans-1,3-dichloropropene	9.54	75	12709	0.89	ug/L		89
36) 1,1,2-Trichloroethane	9.68	97	7553	0.95	ug/L		94
37) Tetrachloroethene (PCE)	9.75	166	17884	1.20	ug/L		95
38) 1,3-Dichloropropane	9.79	76	13746	0.97	ug/L		99
39) Dibromochloromethane	9.93	129	6856	1.01	ug/L		91
40) 1,2-Dibromoethane	10.03	107	6402	1.01	ug/L		97
42) Chlorobenzene	10.34	112	41855	1.01	ug/L		97
43) 1,1,1,2-Tetrachloroethane	10.39	131	11613	1.01	ug/L		93
44) Ethylbenzene	10.38	106	25221	1.02	ug/L		59
45) P+m-Xylene	10.45	106	58145	2.07	ug/L	#	65
46) O-Xylene	10.69	106	27331	1.01	ug/L		85
47) Styrene	10.70	104	36777	0.92	ug/L		92
48) Bromoform	10.84	173	2103	0.72	ug/L		92
49) Isopropylbenzene	10.91	105	72865	1.04	ug/L		85
50) 1,1,2,2-Tetrachloroethane	11.07	83	6406	0.87	ug/L		99
52) 1,2,3-Trichloropropane	11.12	110	1869	0.99	ug/L		98

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

Quantitation Report (QT Reviewed)

Data File : D:\DATA\NOV2022C\NOV14\14NOV04.D Vial: 4
Acq On : 14 Nov 2022 9:33 am Operator: mgc
Sample : 2221072-CAL2 Inst : MS-V5
Misc : 1 ;2K14006;25ML Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Nov 17 7:54 2022 Quant Results File: 82605C.RES

Quant Method : C:\HPCHEM\1...\82605C.M (RTE Integrator)
Title : EPA Method 8260C/D
Last Update : Fri Sep 30 06:43:11 2022
Response via : Initial Calibration
DataAcq Meth : 82605

	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
53)	n-propylbenzene	11.15	91	83821	1.05	ug/L		84
54)	bromobenzene	11.13	156	12479	0.95	ug/L		98
55)	1,3,5-trimethylbenzene	11.24	105	53961	1.06	ug/L		92
56)	2-chlorotoluene	11.22	91	52141	1.04	ug/L		93
57)	4-chlorotoluene	11.29	91	46727	1.06	ug/L		90
58)	tert-butylbenzene	11.43	119	56734	1.07	ug/L		89
59)	1,2,4-trimethylbenzene	11.46	105	52781	1.08	ug/L		88
60)	sec-butylbenzene	11.55	105	75812	1.07	ug/L		85
61)	4-isopropyltoluene	11.63	119	57490	1.08	ug/L		87
62)	1,3-Dichlorobenzene	11.65	146	26113	1.03	ug/L		94
63)	1,4-Dichlorobenzene	11.71	146	25372	1.04	ug/L		93
64)	n-butylbenzene	11.86	91	49428	0.95	ug/L		92
65)	1,2-Dichlorobenzene	11.92	146	22344	1.06	ug/L		95
66)	Hexachloroethane	12.07	117	5881	0.85	ug/L	#	65
67)	1,2-dibromo-3-chloropropan	12.33	75	267	0.79	ug/L	#	26
68)	1,2,4-trichlorobenzene	12.80	180	10149	0.86	ug/L		94
69)	hexachlorobutadiene	12.85	225	8133	1.01	ug/L		95
70)	naphthalene	12.97	128	15642	1.03	ug/L		100
71)	1,2,3-trichlorobenzene	13.09	180	7251	0.79	ug/L		96

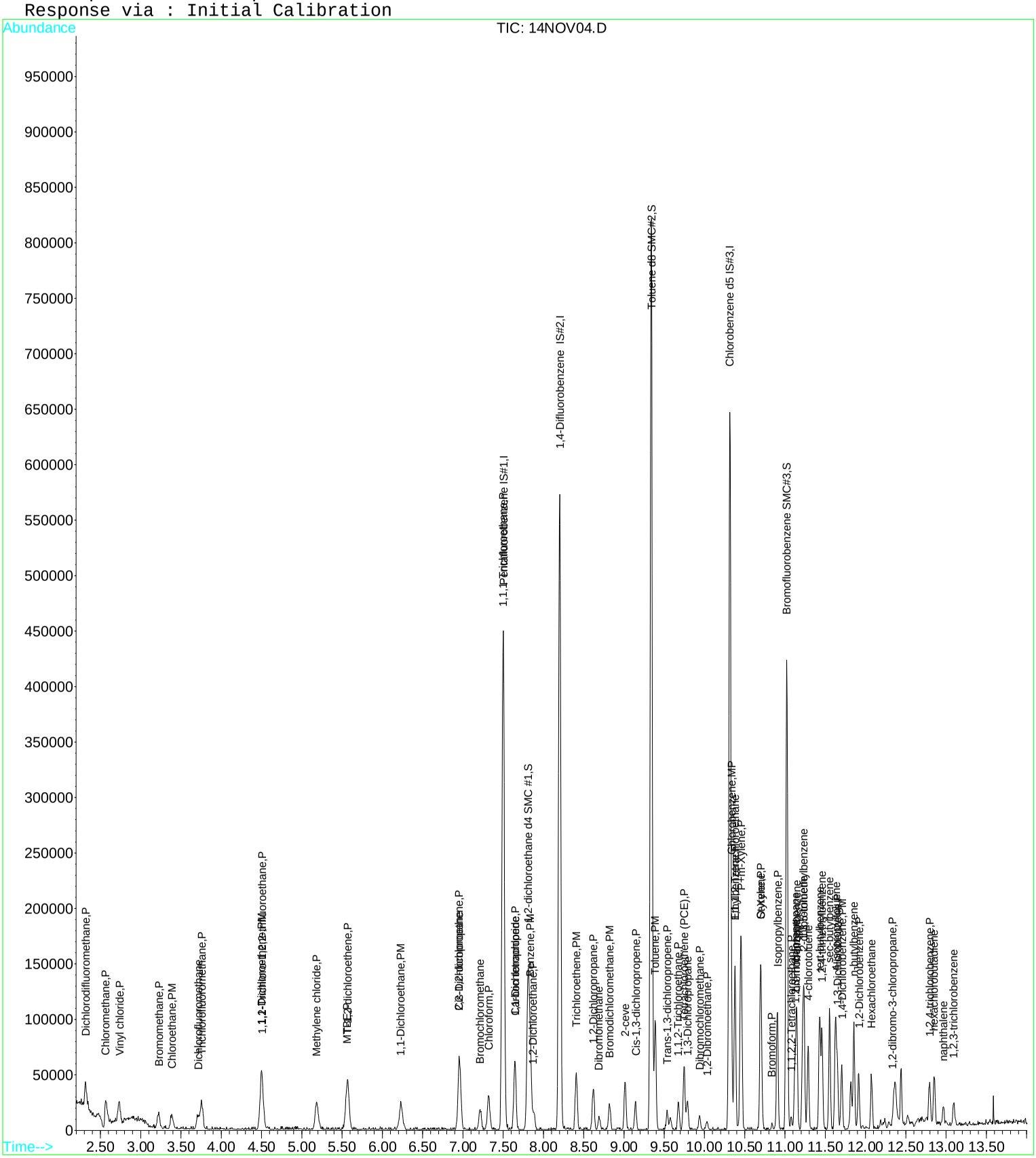
(#) = qualifier out of range (m) = manual integration

Pace Analytical

Quantitation Report

Data File : D:\DATA\NOV2022C\NOV14\14NOV04.D Vial: 4
Acq On : 14 Nov 2022 9:33 am Operator: mgc
Sample : 2221072-CAL2 Inst : MS-V5
Misc : 1 ;2K14006;25ML Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Nov 17 7:54 2022 Quant Results File: 82605C.RES

Method : C:\HPCHEM\1\METHODS\C\202211\14-1045\82605C.M (RTE Integrator)
Title : EPA Method 8260C/D
Last Update : Fri Sep 30 06:43:11 2022
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : D:\DATA\NOV2022C\NOV14\14NOV05.D Vial: 5
Acq On : 14 Nov 2022 9:57 am Operator: mgc
Sample : 2221072-CAL3 Inst : MS-V5
Misc : 1 ;2K14007;25ML Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Nov 17 7:55 2022 Quant Results File: 82605C.RES

Quant Method : C:\HPCHEM\1...\82605C.M (RTE Integrator)
Title : EPA Method 8260C/D
Last Update : Fri Sep 30 06:43:11 2022
Response via : Initial Calibration
DataAcq Meth : 82605

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Pentafluorobenzene IS#1	7.50	137	50126	10.00	ug/L		0.00
26) 1,4-Difluorobenzene IS#2	8.20	63	105162	10.00	ug/L		0.00
41) Chlorobenzene d5 IS#3	10.32	119	117013	10.00	ug/L		0.00
System Monitoring Compounds							
23) 1,2-dichloroethane d4 SMC	7.81	65	100822	9.15	ug/L		0.00
Spiked Amount 10.000	Range 75 - 125		Recovery = 91.50%				
33) Toluene d8 SMC#2	9.34	98	542132	9.75	ug/L		0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 97.50%				
51) Bromofluorobenzene SMC#3	11.02	95	150718	9.90	ug/L		0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 99.00%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	2.32	85	114226	5.20	ug/L		97
3) Chlorodifluoromethane	2.34	51	2330	0.09	ug/L	#	1
4) Chloromethane	2.57	50	114494	3.59	ug/L		96
5) Vinyl chloride	2.73	62	92584	3.11	ug/L		97
6) Bromomethane	3.22	94	56673	4.26	ug/L		97
7) Chloroethane	3.39	64	75348	4.37	ug/L		98
8) Dichlorofluoromethane	3.71	67	87494	2.67	ug/L		99
9) Trichlorofluoromethane	3.76	101	131014	5.51	ug/L		99
10) 1,1,2-Trichloro-1,2,2-trif	4.51	101	79980	5.11	ug/L		98
11) 1,1-Dichloroethene	4.49	61	140165	4.66	ug/L		97
12) Methylene chloride	5.19	84	70777	4.23	ug/L		96
13) MTBE	5.56	73	110885	4.13	ug/L		96
14) T-1,2-dichloroethene	5.57	96	85171	4.29	ug/L		97
15) 1,1-Dichloroethane	6.22	63	163815	4.37	ug/L		100
16) 2,2-Dichloropropane	6.96	77	121930	4.50	ug/L		97
17) Cis-1,2-dichloroethene	6.95	96	91123	4.48	ug/L		96
18) Bromochloromethane	7.22	128	29479	4.90	ug/L		95
19) Chloroform	7.32	83	130839	4.43	ug/L		98
20) 1,1,1-Trichloroethane	7.49	97	124102	4.68	ug/L	#	16
21) 1,1-Dichloropropene	7.65	75	113295	4.17	ug/L		98
22) Carbon tetrachloride	7.65	119	88285	5.08	ug/L		96
24) 1,2-Dichloroethane	7.88	62	64614	4.21	ug/L		96
25) Benzene	7.84	78	335877	4.27	ug/L	#	87
27) Trichloroethene	8.41	130	88446	5.19	ug/L		95
28) 1,2-Dichloropropane	8.62	63	80225	4.56	ug/L		96
29) Dibromomethane	8.69	93	24645	4.88	ug/L		97
30) Bromodichloromethane	8.82	83	75942	5.37	ug/L		98
31) 2-ceve	9.02	63	90892	17.14	ug/L		96
32) Cis-1,3-dichloropropene	9.14	75	93592	4.54	ug/L		98
34) Toluene	9.38	92	198727	4.79	ug/L		84
35) Trans-1,3-dichloropropene	9.54	75	61399	4.26	ug/L		96
36) 1,1,2-Trichloroethane	9.68	97	36924	4.63	ug/L		97
37) Tetrachloroethene (PCE)	9.75	166	80878	5.36	ug/L		98
38) 1,3-Dichloropropane	9.79	76	63199	4.42	ug/L		99
39) Dibromochloromethane	9.94	129	36010	5.26	ug/L		97
40) 1,2-Dibromoethane	10.03	107	29594	4.64	ug/L		97
42) Chlorobenzene	10.33	112	192233	4.74	ug/L		93
43) 1,1,1,2-Tetrachloroethane	10.38	131	54733	4.88	ug/L		100
44) Ethylbenzene	10.38	106	115955	4.77	ug/L		58
45) P+m-Xylene	10.45	106	276264	10.03	ug/L		73
46) O-Xylene	10.69	106	131816	4.98	ug/L		86
47) Styrene	10.71	104	184154	4.73	ug/L		92
48) Bromoform	10.84	173	11620	4.09	ug/L		96
49) Isopropylbenzene	10.90	105	345903	5.02	ug/L		86
50) 1,1,2,2-Tetrachloroethane	11.08	83	30862	4.27	ug/L		98

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

Quantitation Report (QT Reviewed)

Data File : D:\DATA\NOV2022C\NOV14\14NOV05.D Vial: 5
Acq On : 14 Nov 2022 9:57 am Operator: mgc
Sample : 2221072-CAL3 Inst : MS-V5
Misc : 1 ;2K14007;25ML Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Nov 17 7:55 2022 Quant Results File: 82605C.RES

Quant Method : C:\HPCHEM\1...\82605C.M (RTE Integrator)
Title : EPA Method 8260C/D
Last Update : Fri Sep 30 06:43:11 2022
Response via : Initial Calibration
DataAcq Meth : 82605

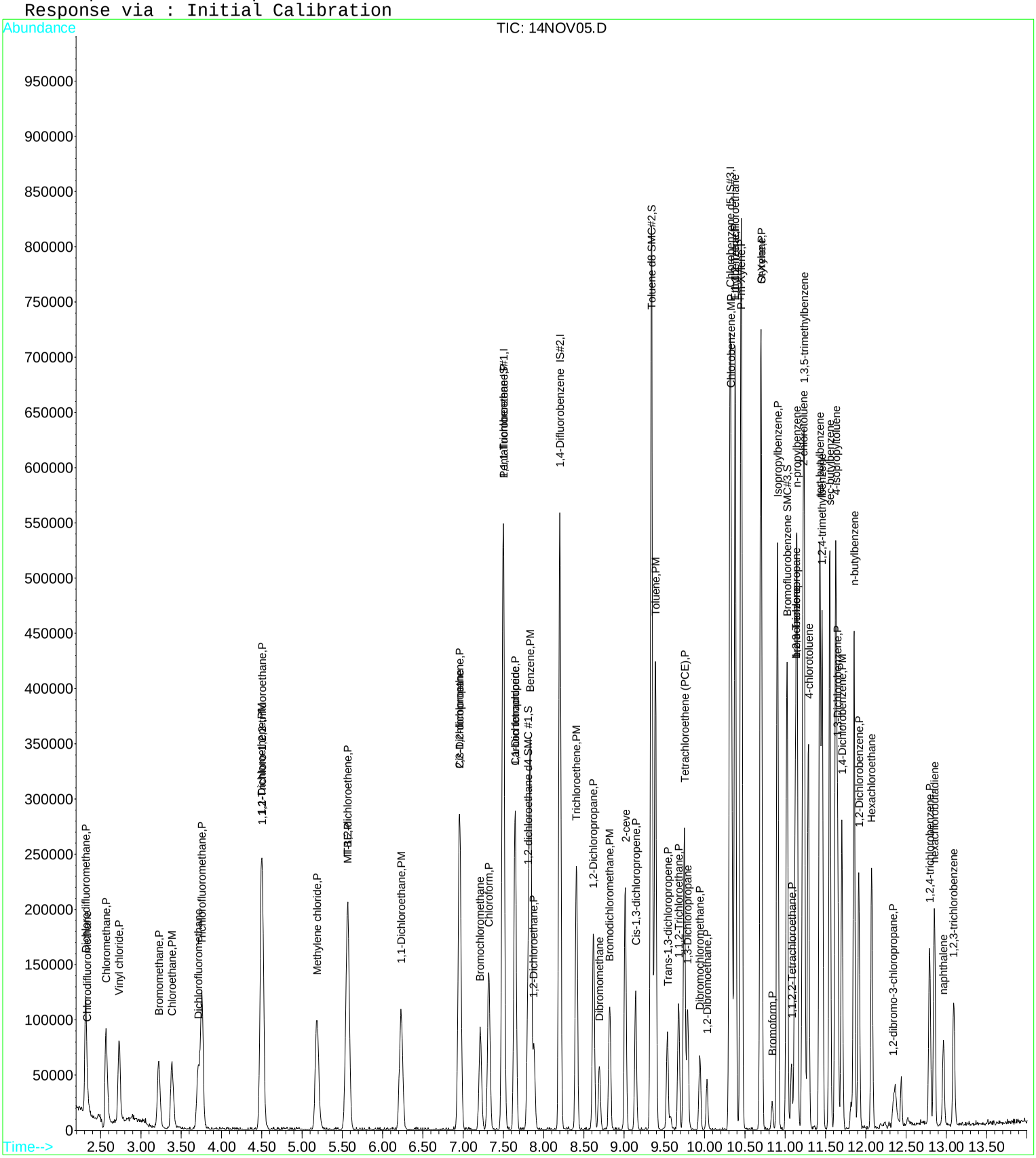
Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
52) 1,2,3-Trichloropropane	11.13	110	8061	4.35	ug/L		96
53) n-propylbenzene	11.15	91	398005	5.07	ug/L		86
54) bromobenzene	11.13	156	60364	4.71	ug/L		98
55) 1,3,5-trimethylbenzene	11.24	105	265195	5.32	ug/L		92
56) 2-chlorotoluene	11.22	91	246048	5.03	ug/L		93
57) 4-chlorotoluene	11.29	91	217166	5.02	ug/L		94
58) tert-butylbenzene	11.43	119	281081	5.41	ug/L		91
59) 1,2,4-trimethylbenzene	11.46	105	251784	5.25	ug/L		91
60) sec-butylbenzene	11.56	105	366084	5.30	ug/L		88
61) 4-isopropyltoluene	11.63	119	278847	5.36	ug/L		88
62) 1,3-Dichlorobenzene	11.65	146	121189	4.90	ug/L		94
63) 1,4-Dichlorobenzene	11.70	146	115547	4.86	ug/L		95
64) n-butylbenzene	11.86	91	245519	4.83	ug/L		90
65) 1,2-Dichlorobenzene	11.91	146	98909	4.78	ug/L		96
66) Hexachloroethane	12.07	117	34525	4.32	ug/L	#	80
67) 1,2-dibromo-3-chloropropan	12.33	75	3409	4.29	ug/L		95
68) 1,2,4-trichlorobenzene	12.79	180	52482	4.52	ug/L		100
69) hexachlorobutadiene	12.86	225	37273	4.72	ug/L		93
70) naphthalene	12.96	128	69058	4.62	ug/L		100
71) 1,2,3-trichlorobenzene	13.09	180	40793	4.55	ug/L		98

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

Quantitation Report

Data File : D:\DATA\NOV2022C\NOV14\14NOV05.D Vial: 5
Acq On : 14 Nov 2022 9:57 am Operator: mgc
Sample : 2221072-CAL3 Inst : MS-V5
Misc : 1 ;2K14007;25ML Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Nov 17 7:55 2022 Quant Results File: 82605C.RES

Method : C:\HPCHEM\1\METHODS\C\202211\14-1045\82605C.M (RTE Integrator)
Title : EPA Method 8260C/D
Last Update : Fri Sep 30 06:43:11 2022
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : D:\DATA\NOV2022C\NOV14\14NOV06.D Vial: 6
Acq On : 14 Nov 2022 10:21 am Operator: mgc
Sample : 2221072-CAL4 Inst : MS-V5
Misc : 1 ;2K14008;25ML Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Nov 17 7:56 2022 Quant Results File: 82605C.RES

Quant Method : C:\HPCHEM\1...\82605C.M (RTE Integrator)
Title : EPA Method 8260C/D
Last Update : Fri Sep 30 06:43:11 2022
Response via : Initial Calibration
DataAcq Meth : 82605

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Pentafluorobenzene IS#1	7.50	137	49215	10.00	ug/L		0.00
26) 1,4-Difluorobenzene IS#2	8.20	63	101969	10.00	ug/L		0.00
41) Chlorobenzene d5 IS#3	10.32	119	119939	10.00	ug/L		0.00
System Monitoring Compounds							
23) 1,2-dichloroethane d4 SMC	7.81	65	101385	9.38	ug/L		0.00
Spiked Amount 10.000	Range 75 - 125		Recovery = 93.80%				
33) Toluene d8 SMC#2	9.34	98	543456	10.08	ug/L		0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 100.80%				
51) Bromofluorobenzene SMC#3	11.02	95	151620	9.72	ug/L		0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 97.20%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	2.31	85	236544	10.96	ug/L		97
3) Chlorodifluoromethane	2.34	51	5447	0.20	ug/L	#	1
4) Chloromethane	2.57	50	236013	7.54	ug/L		96
5) Vinyl chloride	2.73	62	198271	6.79	ug/L		95
6) Bromomethane	3.22	94	118649	9.09	ug/L		99
7) Chloroethane	3.38	64	149424	8.84	ug/L		98
8) Dichlorofluoromethane	3.70	67	173913	5.41	ug/L		98
9) Trichlorofluoromethane	3.76	101	261053	11.18	ug/L		98
10) 1,1,2-Trichloro-1,2,2-trif	4.51	101	159664	10.39	ug/L		99
11) 1,1-Dichloroethene	4.49	61	278014	9.42	ug/L		98
12) Methylene chloride	5.18	84	146543	9.20	ug/L		96
13) MTBE	5.55	73	230189	8.72	ug/L		95
14) T-1,2-dichloroethene	5.57	96	179520	9.22	ug/L		97
15) 1,1-Dichloroethane	6.23	63	339915	9.23	ug/L		99
16) 2,2-Dichloropropane	6.96	77	256936	9.66	ug/L		93
17) Cis-1,2-dichloroethene	6.95	96	183354	9.19	ug/L		98
18) Bromochloromethane	7.21	128	58489	9.90	ug/L		96
19) Chloroform	7.32	83	274576	9.46	ug/L		100
20) 1,1,1-Trichloroethane	7.49	97	259047	9.94	ug/L	#	65
21) 1,1-Dichloropropene	7.65	75	233031	8.74	ug/L		100
22) Carbon tetrachloride	7.65	119	187949	11.02	ug/L		97
24) 1,2-Dichloroethane	7.88	62	133709	8.88	ug/L		97
25) Benzene	7.84	78	672860	8.70	ug/L		94
27) Trichloroethene	8.41	130	173117	10.47	ug/L		98
28) 1,2-Dichloropropane	8.62	63	168900	9.90	ug/L		98
29) Dibromomethane	8.69	93	51399	10.50	ug/L		98
30) Bromodichloromethane	8.82	83	159396	11.62	ug/L		98
31) 2-ceve	9.02	63	192271	37.39	ug/L		97
32) Cis-1,3-dichloropropene	9.14	75	200775	10.05	ug/L		98
34) Toluene	9.39	92	410482	10.21	ug/L		87
35) Trans-1,3-dichloropropene	9.54	75	132146	9.46	ug/L		99
36) 1,1,2-Trichloroethane	9.68	97	77332	10.00	ug/L		98
37) Tetrachloroethene (PCE)	9.75	166	163191	11.16	ug/L		98
38) 1,3-Dichloropropane	9.79	76	134056	9.67	ug/L		98
39) Dibromochloromethane	9.94	129	79785	12.03	ug/L		99
40) 1,2-Dibromoethane	10.02	107	64469	10.43	ug/L		99
42) Chlorobenzene	10.33	112	391408	9.42	ug/L		94
43) 1,1,1,2-Tetrachloroethane	10.38	131	119650	10.41	ug/L		96
44) Ethylbenzene	10.38	106	244218	9.81	ug/L		67
45) P+m-Xylene	10.45	106	550783	19.51	ug/L		73
46) O-Xylene	10.70	106	270661	9.98	ug/L		87
47) Styrene	10.71	104	379386	9.50	ug/L		92
48) Bromoform	10.84	173	28087	9.64	ug/L		97
49) Isopropylbenzene	10.90	105	699892	9.91	ug/L		88
50) 1,1,2,2-Tetrachloroethane	11.08	83	65089	8.78	ug/L		99

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

Quantitation Report (QT Reviewed)

Data File : D:\DATA\NOV2022C\NOV14\14NOV06.D Vial: 6
Acq On : 14 Nov 2022 10:21 am Operator: mgc
Sample : 2221072-CAL4 Inst : MS-V5
Misc : 1 ;2K14008;25ML Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Nov 17 7:56 2022 Quant Results File: 82605C.RES

Quant Method : C:\HPCHEM\1...\82605C.M (RTE Integrator)
Title : EPA Method 8260C/D
Last Update : Fri Sep 30 06:43:11 2022
Response via : Initial Calibration
DataAcq Meth : 82605

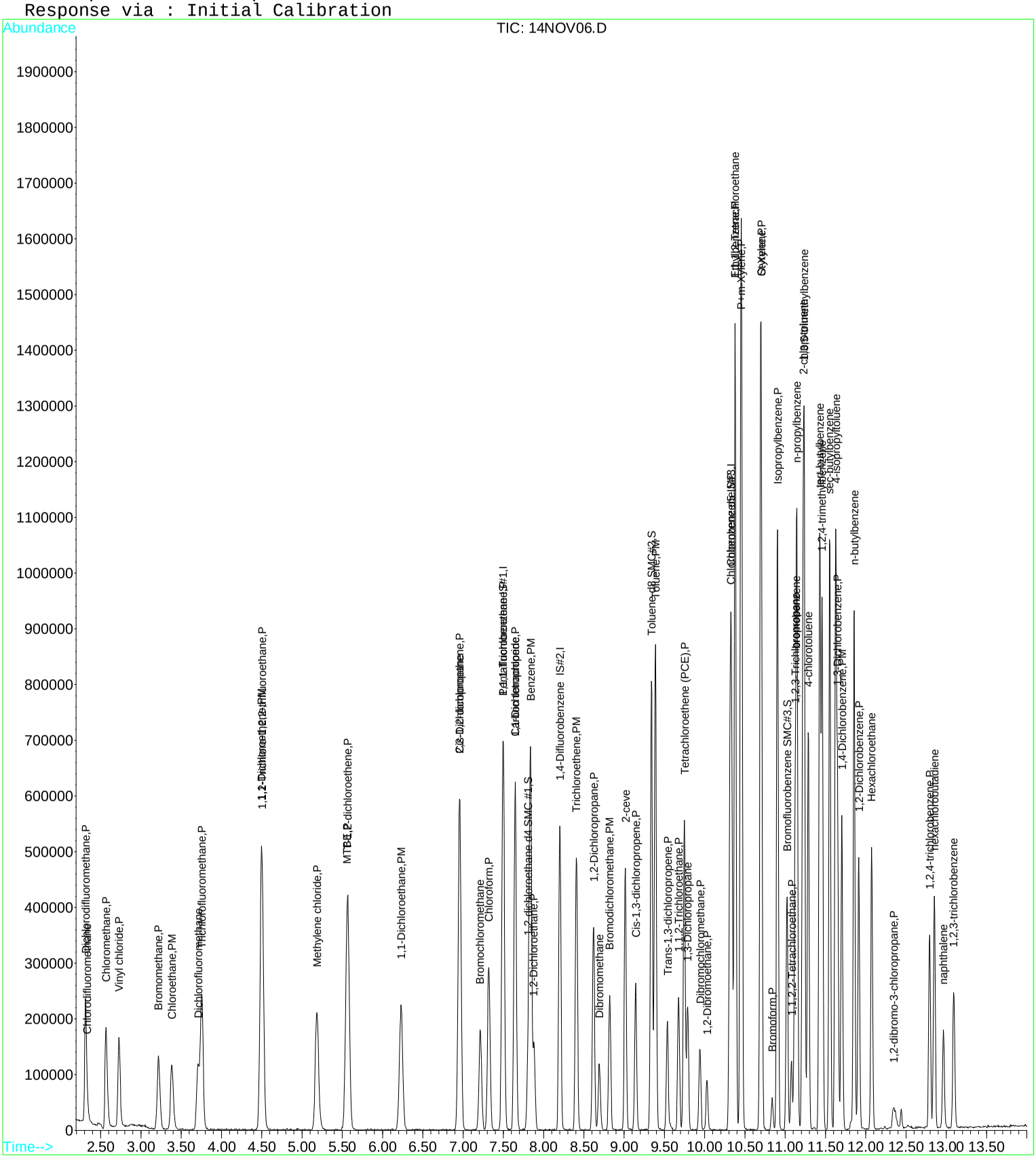
	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
52)	1,2,3-Trichloropropane	11.12	110	18052	9.50	ug/L		94
53)	n-propylbenzene	11.15	91	801574	9.97	ug/L		87
54)	bromobenzene	11.13	156	126491	9.63	ug/L		97
55)	1,3,5-trimethylbenzene	11.24	105	537543	10.53	ug/L		93
56)	2-chlorotoluene	11.22	91	500562	9.99	ug/L		94
57)	4-chlorotoluene	11.28	91	433277	9.78	ug/L		95
58)	tert-butylbenzene	11.43	119	576400	10.83	ug/L		91
59)	1,2,4-trimethylbenzene	11.46	105	518566	10.55	ug/L		91
60)	sec-butylbenzene	11.56	105	738176	10.42	ug/L		88
61)	4-isopropyltoluene	11.63	119	571507	10.73	ug/L		89
62)	1,3-Dichlorobenzene	11.65	146	251290	9.91	ug/L		95
63)	1,4-Dichlorobenzene	11.70	146	237197	9.73	ug/L		96
64)	n-butylbenzene	11.85	91	508994	9.77	ug/L		92
65)	1,2-Dichlorobenzene	11.91	146	210585	9.93	ug/L		95
66)	Hexachloroethane	12.07	117	78797	9.22	ug/L	#	84
67)	1,2-dibromo-3-chloropropan	12.34	75	7038	8.14	ug/L		87
68)	1,2,4-trichlorobenzene	12.79	180	110676	9.30	ug/L		97
69)	hexachlorobutadiene	12.85	225	83400	10.30	ug/L		98
70)	naphthalene	12.96	128	153685	10.04	ug/L		100
71)	1,2,3-trichlorobenzene	13.09	180	87688	9.53	ug/L		98

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

Quantitation Report

Data File : D:\DATA\NOV2022C\NOV14\14NOV06.D Vial: 6
Acq On : 14 Nov 2022 10:21 am Operator: mgc
Sample : 2221072-CAL4 Inst : MS-V5
Misc : 1 ;2K14008;25ML Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Nov 17 7:56 2022 Quant Results File: 82605C.RES

Method : C:\HPCHEM\1\METHODS\C\202211\14-1045\82605C.M (RTE Integrator)
Title : EPA Method 8260C/D
Last Update : Fri Sep 30 06:43:11 2022
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : D:\DATA\NOV2022C\NOV14\14NOV07.D Vial: 7
Acq On : 14 Nov 2022 10:45 am Operator: mgc
Sample : 2221072-CAL5 Inst : MS-V5
Misc : 1 ;2K14009;25ML Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Nov 17 7:56 2022 Quant Results File: 82605C.RES

Quant Method : C:\HPCHEM\1...\82605C.M (RTE Integrator)
Title : EPA Method 8260C/D
Last Update : Fri Sep 30 06:43:11 2022
Response via : Initial Calibration
DataAcq Meth : 82605

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene IS#1	7.50	137	49385	10.00	ug/L	0.00
26) 1,4-Difluorobenzene IS#2	8.20	63	104648	10.00	ug/L	0.00
41) Chlorobenzene d5 IS#3	10.31	119	120843	10.00	ug/L	0.00
System Monitoring Compounds						
23) 1,2-dichloroethane d4 SMC	7.81	65	99862	9.20	ug/L	0.00
Spiked Amount 10.000	Range 75 - 125		Recovery = 92.00%			
33) Toluene d8 SMC#2	9.34	98	551512	9.97	ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 99.70%			
51) Bromofluorobenzene SMC#3	11.02	95	156740	9.97	ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 99.70%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.31	85	580394	26.80	ug/L	98
3) Chlorodifluoromethane	2.34	51	12547	0.46	ug/L #	1
4) Chloromethane	2.56	50	560815	17.85	ug/L	97
5) Vinyl chloride	2.73	62	484159	16.52	ug/L	96
6) Bromomethane	3.22	94	316503	24.16	ug/L	99
7) Chloroethane	3.38	64	372716	21.97	ug/L	98
8) Dichlorofluoromethane	3.71	67	437685	13.57	ug/L	99
9) Trichlorofluoromethane	3.75	101	642330	27.42	ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	4.51	101	389169	25.25	ug/L	99
11) 1,1-Dichloroethene	4.50	61	679637	22.94	ug/L	99
12) Methylene chloride	5.19	84	344897	21.93	ug/L	95
13) MTBE	5.55	73	549042	20.73	ug/L	98
14) T-1,2-dichloroethene	5.58	96	426297	21.81	ug/L	98
15) 1,1-Dichloroethane	6.23	63	806077	21.82	ug/L	99
16) 2,2-Dichloropropane	6.96	77	609357	22.83	ug/L	92
17) Cis-1,2-dichloroethene	6.95	96	437565	21.85	ug/L	99
18) Bromochloromethane	7.22	128	141357	23.83	ug/L	97
19) Chloroform	7.32	83	645770	22.18	ug/L	98
20) 1,1,1-Trichloroethane	7.49	97	627384	23.99	ug/L	89
21) 1,1-Dichloropropene	7.65	75	550041	20.56	ug/L	99
22) Carbon tetrachloride	7.64	119	480143	28.05	ug/L	96
24) 1,2-Dichloroethane	7.88	62	320086	21.18	ug/L	98
25) Benzene	7.83	78	1529723	19.72	ug/L	95
27) Trichloroethene	8.41	130	428447	25.25	ug/L	97
28) 1,2-Dichloropropane	8.62	63	404308	23.09	ug/L	98
29) Dibromomethane	8.69	93	125019	24.88	ug/L	98
30) Bromodichloromethane	8.82	83	399103	28.36	ug/L	99
31) 2-ceve	9.01	63	470229	89.11	ug/L	98
32) Cis-1,3-dichloropropene	9.14	75	490439	23.91	ug/L	99
34) Toluene	9.39	92	952798	23.08	ug/L	91
35) Trans-1,3-dichloropropene	9.53	75	339873	23.70	ug/L	98
36) 1,1,2-Trichloroethane	9.67	97	189245	23.83	ug/L	98
37) Tetrachloroethene (PCE)	9.75	166	388068	25.87	ug/L	97
38) 1,3-Dichloropropane	9.79	76	319616	22.48	ug/L	99
39) Dibromochloromethane	9.94	129	209374	30.75	ug/L	98
40) 1,2-Dibromoethane	10.03	107	159088	25.08	ug/L	97
42) Chlorobenzene	10.33	112	910221	21.75	ug/L	94
43) 1,1,1,2-Tetrachloroethane	10.38	131	292825	25.29	ug/L	99
44) Ethylbenzene	10.38	106	575162	22.92	ug/L	78
45) P+m-Xylene	10.46	106	1272102	44.73	ug/L	84
46) O-Xylene	10.69	106	643234	23.53	ug/L	91
47) Styrene	10.70	104	909541	22.60	ug/L	94
48) Bromoform	10.84	173	77412	26.37	ug/L	99
49) Isopropylbenzene	10.90	105	1549403	21.77	ug/L	91
50) 1,1,2,2-Tetrachloroethane	11.08	83	168274	22.52	ug/L	98

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

Quantitation Report (QT Reviewed)

Data File : D:\DATA\NOV2022C\NOV14\14NOV07.D Vial: 7
Acq On : 14 Nov 2022 10:45 am Operator: mgc
Sample : 2221072-CAL5 Inst : MS-V5
Misc : 1 ;2K14009;25ML Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Nov 17 7:56 2022 Quant Results File: 82605C.RES

Quant Method : C:\HPCHEM\1...\82605C.M (RTE Integrator)
Title : EPA Method 8260C/D
Last Update : Fri Sep 30 06:43:11 2022
Response via : Initial Calibration
DataAcq Meth : 82605

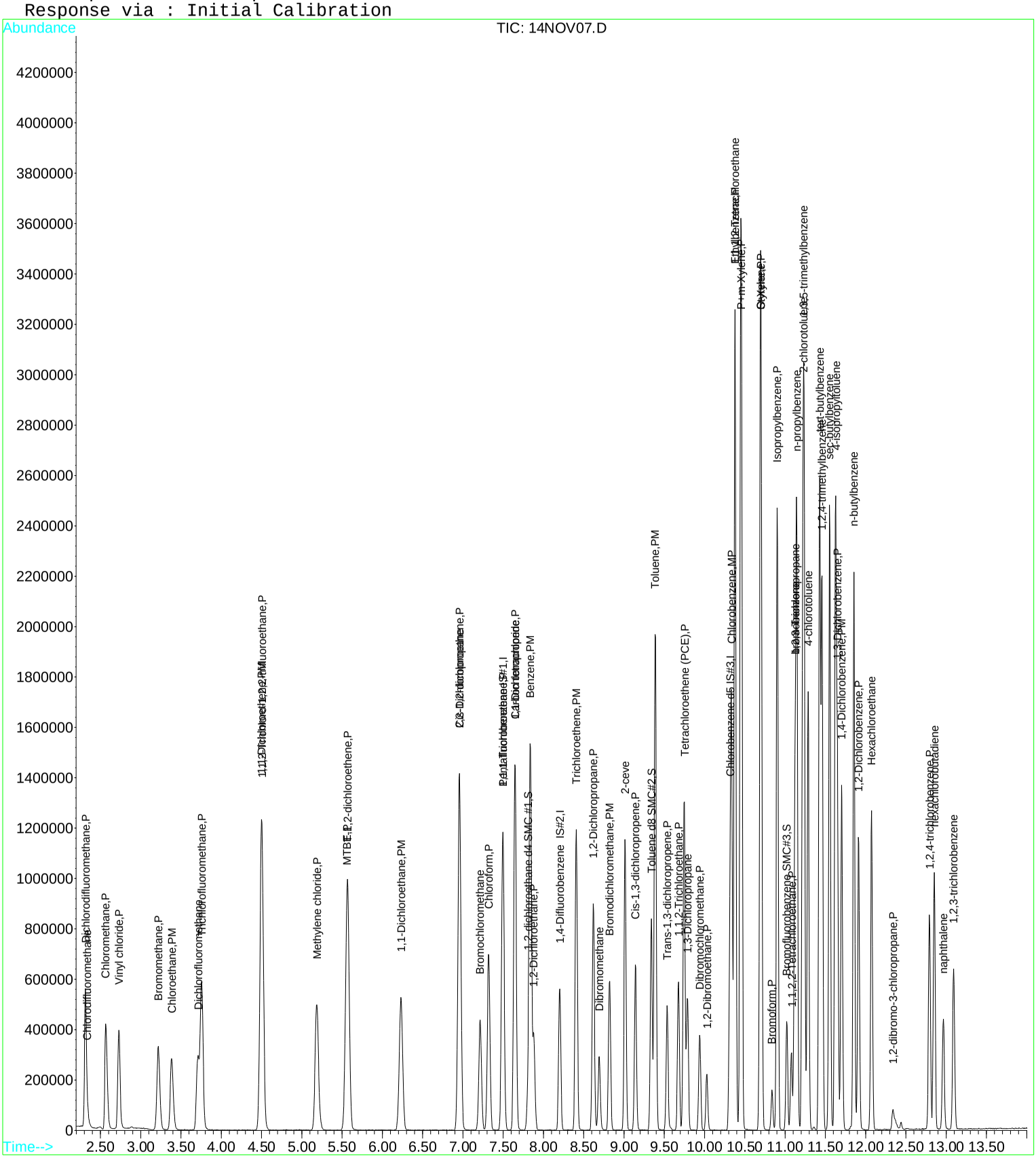
	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
52)	1,2,3-Trichloropropane	11.12	110	44981	23.50	ug/L		98
53)	n-propylbenzene	11.15	91	1728255	21.34	ug/L		92
54)	bromobenzene	11.12	156	307124	23.22	ug/L		96
55)	1,3,5-trimethylbenzene	11.23	105	1219895	23.71	ug/L		95
56)	2-chlorotoluene	11.22	91	1139246	22.57	ug/L		96
57)	4-chlorotoluene	11.29	91	1028901	23.05	ug/L		96
58)	tert-butylbenzene	11.43	119	1328270	24.78	ug/L		92
59)	1,2,4-trimethylbenzene	11.46	105	1198038	24.18	ug/L		95
60)	sec-butylbenzene	11.55	105	1644283	23.04	ug/L		92
61)	4-isopropyltoluene	11.63	119	1288916	24.01	ug/L		92
62)	1,3-Dichlorobenzene	11.65	146	595542	23.30	ug/L		96
63)	1,4-Dichlorobenzene	11.70	146	582601	23.72	ug/L		95
64)	n-butylbenzene	11.85	91	1179002	22.45	ug/L		95
65)	1,2-Dichlorobenzene	11.92	146	504244	23.60	ug/L		97
66)	Hexachloroethane	12.07	117	216825	23.38	ug/L	#	89
67)	1,2-dibromo-3-chloropropan	12.34	75	18528	20.46	ug/L		90
68)	1,2,4-trichlorobenzene	12.79	180	288397	24.05	ug/L		100
69)	hexachlorobutadiene	12.85	225	207672	25.45	ug/L		99
70)	naphthalene	12.97	128	397244	25.75	ug/L		100
71)	1,2,3-trichlorobenzene	13.09	180	226198	24.41	ug/L		99

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

Quantitation Report

Data File : D:\DATA\NOV2022C\NOV14\14NOV07.D Vial: 7
Acq On : 14 Nov 2022 10:45 am Operator: mgc
Sample : 2221072-CAL5 Inst : MS-V5
Misc : 1 ;2K14009;25ML Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Nov 17 7:56 2022 Quant Results File: 82605C.RES

Method : C:\HPCHEM\1\METHODS\C\202211\14-1045\82605C.M (RTE Integrator)
Title : EPA Method 8260C/D
Last Update : Fri Sep 30 06:43:11 2022
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : D:\DATA\NOV2022C\NOV14\14NOV08.D Vial: 8
Acq On : 14 Nov 2022 11:09 am Operator: mgc
Sample : 2221072-CAL6 Inst : MS-V5
Misc : 1 ;2K14010;25ML Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Nov 17 7:57 2022 Quant Results File: 82605C.RES

Quant Method : C:\HPCHEM\1...\82605C.M (RTE Integrator)
Title : EPA Method 8260C/D
Last Update : Fri Sep 30 06:43:11 2022
Response via : Initial Calibration
DataAcq Meth : 82605

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene IS#1	7.50	137	49125	10.00	ug/L	0.00
26) 1,4-Difluorobenzene IS#2	8.20	63	105263	10.00	ug/L	0.00
41) Chlorobenzene d5 IS#3	10.32	119	125029	10.00	ug/L	0.00
System Monitoring Compounds						
23) 1,2-dichloroethane d4 SMC	7.81	65	98979	9.17	ug/L	0.00
Spiked Amount 10.000	Range 75 - 125		Recovery = 91.70%			
33) Toluene d8 SMC#2	9.34	98	558737	10.04	ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 100.40%			
51) Bromofluorobenzene SMC#3	11.02	95	165552	10.18	ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 101.80%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.31	85	1127216	52.33	ug/L	100
3) Chlorodifluoromethane	2.34	51	25878	0.96	ug/L #	1
4) Chloromethane	2.57	50	1092563	34.97	ug/L	98
5) Vinyl chloride	2.73	62	932409	31.98	ug/L	97
6) Bromomethane	3.22	94	628512	48.22	ug/L	99
7) Chloroethane	3.38	64	720835	42.71	ug/L	99
8) Dichlorofluoromethane	3.71	67	857577	26.72	ug/L	99
9) Trichlorofluoromethane	3.75	101	1228033	52.71	ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	4.51	101	775972	50.61	ug/L	99
11) 1,1-Dichloroethene	4.49	61	1315043	44.63	ug/L	100
12) Methylene chloride	5.18	84	695955	44.74	ug/L	96
13) MTBE	5.55	73	1104608	41.93	ug/L	98
14) T-1,2-dichloroethene	5.57	96	868157	44.66	ug/L	98
15) 1,1-Dichloroethane	6.23	63	1588360	43.23	ug/L	98
16) 2,2-Dichloropropane	6.96	77	1191856	44.90	ug/L	93
17) Cis-1,2-dichloroethene	6.96	96	868209	43.58	ug/L	100
18) Bromochloromethane	7.22	128	284283	48.18	ug/L	94
19) Chloroform	7.32	83	1275135	44.02	ug/L	96
20) 1,1,1-Trichloroethane	7.49	97	1251043	48.10	ug/L	98
21) 1,1-Dichloropropene	7.65	75	1083529	40.71	ug/L	99
22) Carbon tetrachloride	7.65	119	973945	57.20	ug/L	98
24) 1,2-Dichloroethane	7.88	62	649485	43.20	ug/L	99
25) Benzene	7.84	78	2765140	35.83	ug/L	99
27) Trichloroethene	8.41	130	859950	50.38	ug/L	96
28) 1,2-Dichloropropane	8.62	63	800176	45.43	ug/L	98
29) Dibromomethane	8.69	93	255734	50.59	ug/L	99
30) Bromodichloromethane	8.82	83	812546	57.40	ug/L	97
31) 2-ceve	9.01	63	891171	167.89	ug/L	96
32) Cis-1,3-dichloropropene	9.14	75	980135	47.51	ug/L	99
34) Toluene	9.39	92	1822590	43.90	ug/L	99
35) Trans-1,3-dichloropropene	9.54	75	699269	48.47	ug/L	99
36) 1,1,2-Trichloroethane	9.68	97	382800	47.93	ug/L	98
37) Tetrachloroethene (PCE)	9.75	166	786407	52.11	ug/L	99
38) 1,3-Dichloropropane	9.79	76	646438	45.19	ug/L	100
39) Dibromochloromethane	9.94	129	449325	65.61	ug/L	99
40) 1,2-Dibromoethane	10.03	107	335717	52.62	ug/L	100
42) Chlorobenzene	10.34	112	1736406	40.11	ug/L	98
43) 1,1,1,2-Tetrachloroethane	10.38	131	606375	50.62	ug/L	100
44) Ethylbenzene	10.38	106	1123089	43.26	ug/L	98
45) P+m-Xylene	10.45	106	2344317	79.67	ug/L	98
46) O-Xylene	10.69	106	1254287	44.35	ug/L	99
47) Styrene	10.70	104	1741174	41.82	ug/L	98
48) Bromoform	10.84	173	175320	57.72	ug/L	99
49) Isopropylbenzene	10.90	105	2694587	36.59	ug/L	100
50) 1,1,2,2-Tetrachloroethane	11.08	83	345188	44.65	ug/L	96

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

Quantitation Report (QT Reviewed)

Data File : D:\DATA\NOV2022C\NOV14\14NOV08.D Vial: 8
Acq On : 14 Nov 2022 11:09 am Operator: mgc
Sample : 2221072-CAL6 Inst : MS-V5
Misc : 1 ;2K14010;25ML Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Nov 17 7:57 2022 Quant Results File: 82605C.RES

Quant Method : C:\HPCHEM\1...\82605C.M (RTE Integrator)
Title : EPA Method 8260C/D
Last Update : Fri Sep 30 06:43:11 2022
Response via : Initial Calibration
DataAcq Meth : 82605

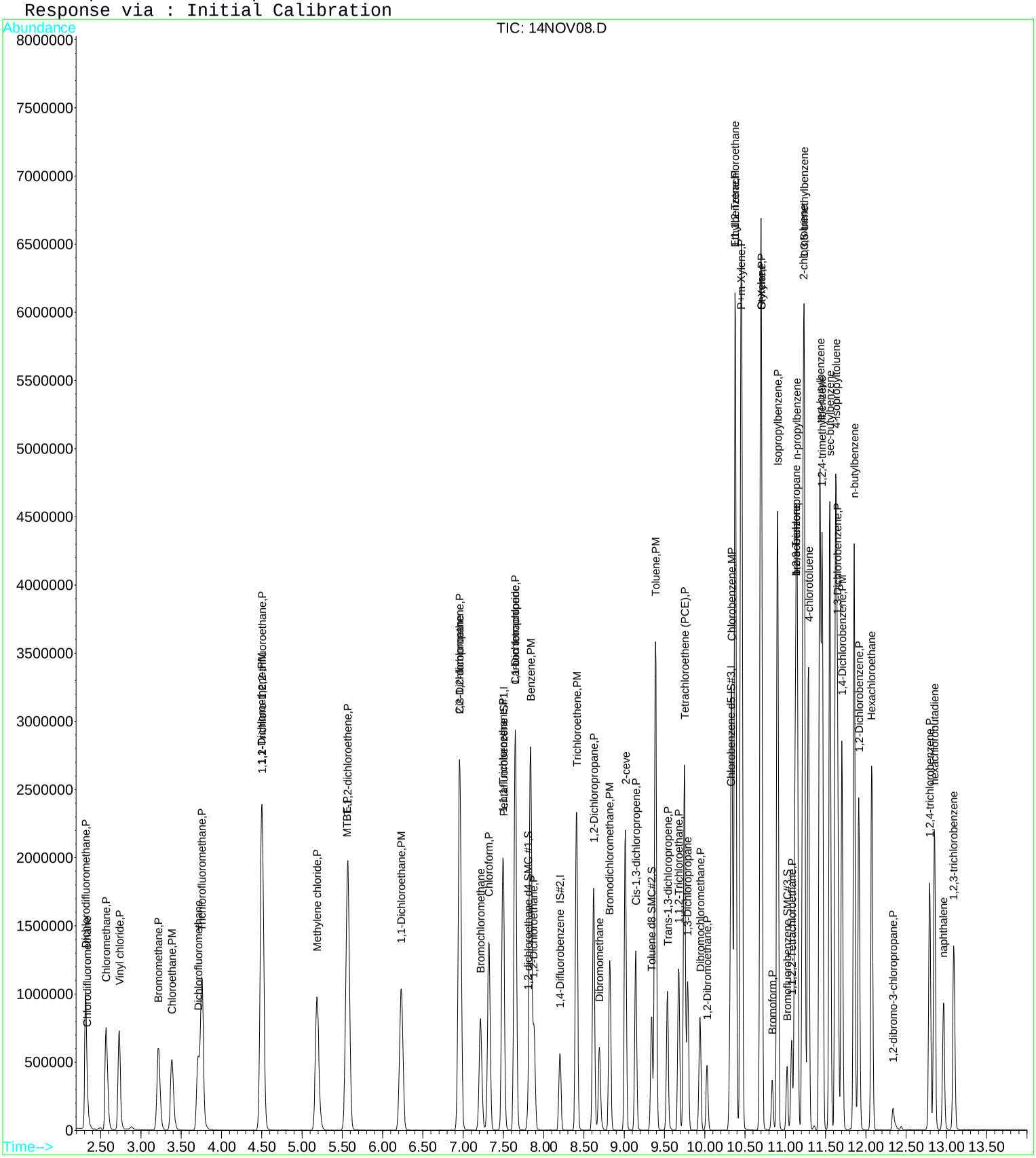
	Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
52)	1,2,3-Trichloropropane	11.12	110	91550	46.24	ug/L	99
53)	n-propylbenzene	11.14	91	2901572	34.62	ug/L	97
54)	bromobenzene	11.12	156	631669	46.15	ug/L	94
55)	1,3,5-trimethylbenzene	11.24	105	2206461	41.45	ug/L	98
56)	2-chlorotoluene	11.22	91	2141751	41.01	ug/L	98
57)	4-chlorotoluene	11.29	91	1949916	42.22	ug/L	99
58)	tert-butylbenzene	11.43	119	2472136	44.57	ug/L	97
59)	1,2,4-trimethylbenzene	11.46	105	2193300	42.79	ug/L	98
60)	sec-butylbenzene	11.55	105	2815055	38.13	ug/L	99
61)	4-isopropyltoluene	11.63	119	2324075	41.84	ug/L	99
62)	1,3-Dichlorobenzene	11.65	146	1210530	45.78	ug/L	98
63)	1,4-Dichlorobenzene	11.70	146	1174790	46.24	ug/L	98
64)	n-butylbenzene	11.86	91	2186404	40.25	ug/L	98
65)	1,2-Dichlorobenzene	11.91	146	1032917	46.72	ug/L	99
66)	Hexachloroethane	12.07	117	503043	47.28	ug/L	95
67)	1,2-dibromo-3-chloropropan	12.34	75	43440	45.74	ug/L	92
68)	1,2,4-trichlorobenzene	12.79	180	615979	49.64	ug/L	99
69)	hexachlorobutadiene	12.86	225	447585	53.02	ug/L	98
70)	naphthalene	12.97	128	833167	52.19	ug/L	100
71)	1,2,3-trichlorobenzene	13.09	180	479277	49.99	ug/L	99

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

Quantitation Report

Data File : D:\DATA\NOV2022C\NOV14\14NOV08.D Vial: 8
Acq On : 14 Nov 2022 11:09 am Operator: mgc
Sample : 2221072-CAL6 Inst : MS-V5
Misc : 1 ;2K14010;25ML Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Nov 17 7:57 2022 Quant Results File: 82605C.RES

Method : C:\HPCHEM\1\METHODS\C\202211\14-1045\82605C.M (RTE Integrator)
Title : EPA Method 8260C/D
Last Update : Fri Sep 30 06:43:11 2022
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : D:\DATA\OCT2022C\OCT16\16OCT18.D Vial: 18
Acq On : 16 Oct 2022 12:00 pm Operator: MGC
Sample : 2219286-CAL7 Inst : MS-V5
Misc : 1 ;2J16016;25ML Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Dec 1 9:26 2022 Quant Results File: 82605CX.RES

Quant Method : C:\HPCHEM\1...\82605CX.M (RTE Integrator)
Title : EPA Method 8260C/DX
Last Update : Fri Sep 30 07:11:40 2022
Response via : Initial Calibration
DataAcq Meth : 82605

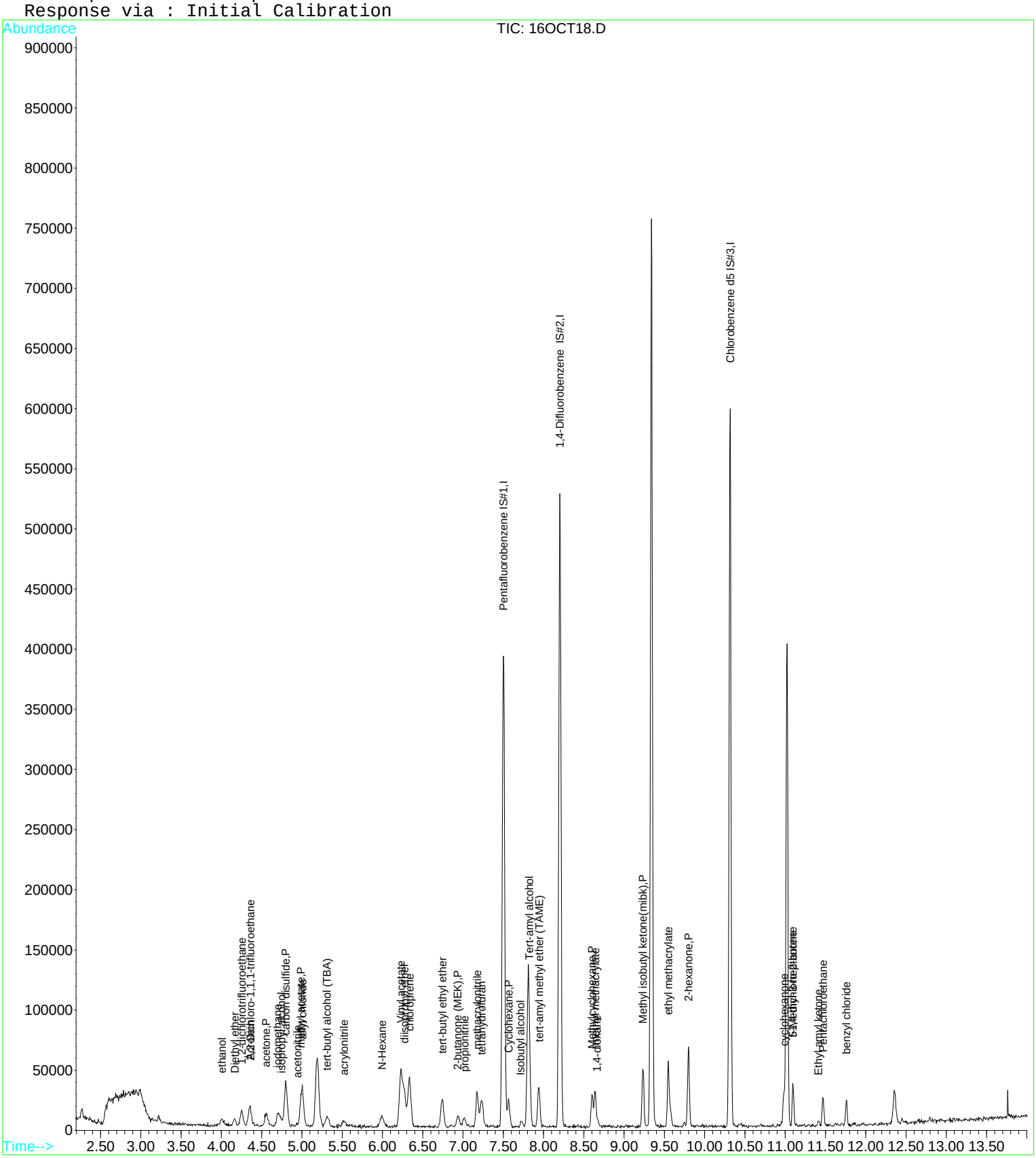
Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Pentafluorobenzene IS#1	7.50	137	48820	10.00	ug/L		0.00
29) 1,4-Difluorobenzene IS#2	8.20	63	96456	10.00	ug/L		0.00
36) Chlorobenzene d5 IS#3	10.32	119	112279	10.00	ug/L		0.00
Target Compounds							Qvalue
2) ethanol	4.01	45	10226	169.22	ug/L		86
3) 2,2-Dichloro-1,1,1-trifluo	4.36	83	10376	0.40	ug/L	#	94
4) 1,2-dichlorotrifluoroethan	4.25	67	10276	0.40	ug/L		88
5) Diethyl ether	4.17	59	4028	0.44	ug/L		87
6) isopropyl alcohol	4.74	45	9965	33.12	ug/L	#	8
7) Acrolein	4.36	56	9627	8.93	ug/L		86
8) acetone	4.56	43	19938	13.60	ug/L		100
9) tert-butyl alcohol (TBA)	5.31	59	15306	34.67	ug/L		100
10) acetonitrile	4.94	41	3314m	6.11	ug/L		
11) methyl acetate	4.99	43	16342	3.53	ug/L		93
12) allyl chloride	5.01	41	47826	1.30	ug/L		89
13) iodomethane	4.70	142	18563	3.71	ug/L		96
14) acrylonitrile	5.52	53	6171	2.99	ug/L		91
15) carbon disulfide	4.80	76	74698	1.44	ug/L		97
16) N-Hexane	5.99	57	7694	0.37	ug/L	#	76
17) diisopropyl ether	6.28	87	8542	0.61	ug/L		82
18) Vinyl acetate	6.23	43	120938	5.57	ug/L	#	91
19) chloroprene	6.34	53	41628	1.28	ug/L		93
20) tert-butyl ethyl ether	6.74	59	26920	0.65	ug/L		100
21) 2-butanone (MEK)	6.93	43	19587	7.57	ug/L	#	84
22) propionitrile	7.01	54	11131	15.09	ug/L	#	89
23) Isobutyl alcohol	7.72	43	4554	20.98	ug/L		87
24) methacrylonitrile	7.18	67	15985	6.18	ug/L		88
25) Tert-amyl alcohol	7.83	59	16293	46.72	ug/L		93
26) tetrahydrofuran	7.23	42	22726	11.93	ug/L		94
27) Cyclohexane	7.57	56	14184	0.37	ug/L		90
28) tert-amyl methyl ether (TA	7.94	73	18995	0.63	ug/L	#	85
30) methyl methacrylate	8.64	69	15438	3.99	ug/L	#	58
31) Methylcyclohexane	8.61	55	12719	0.54	ug/L	#	28
32) 1,4-dioxane	8.67	88	3225	87.78	ug/L		94
33) Methyl isobutyl ketone(mib	9.24	43	36061	7.27	ug/L		94
34) ethyl methacrylate	9.55	69	29553	3.70	ug/L		97
35) 2-hexanone	9.80	43	47664	15.40	ug/L		87
37) 5-Methyl-3-heptanone	11.09	43	4932	1.08	ug/L	#	70
38) cyclohexanone	10.98	55	16034	68.65	ug/L		97
39) t-1,4-dichloro-2-butene	11.09	75	6506	3.56	ug/L		96
40) Ethyl amyl ketone	11.42	57	1700	0.50	ug/L	#	54
41) Pentachloroethane	11.47	167	4406	1.15	ug/L		94
42) benzyl chloride	11.76	91	18484	2.23	ug/L		98

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

Quantitation Report

Data File : D:\DATA\OCT2022C\OCT16\16OCT18.D Vial: 18
Acq On : 16 Oct 2022 12:00 pm Operator: MGC
Sample : 2219286-CAL7 Inst : MS-V5
Misc : 1 ;2J16016;25ML Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Dec 1 9:26 2022 Quant Results File: 82605CX.RES

Method : C:\HPCHEM\1\METHODS\C\202209\09-0700\82605CX.M (RTE Integrator)
Title : EPA Method 8260C/DX
Last Update : Fri Sep 30 07:11:40 2022
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : D:\DATA\OCT2022C\OCT16\16OCT19.D Vial: 19
Acq On : 16 Oct 2022 12:23 pm Operator: MGC
Sample : 2219286-CAL8 Inst : MS-V5
Misc : 1 ;2J16017;25ML Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Dec 1 9:27 2022 Quant Results File: 82605CX.RES

Quant Method : C:\HPCHEM\1...\82605CX.M (RTE Integrator)
Title : EPA Method 8260C/DX
Last Update : Fri Sep 30 07:11:40 2022
Response via : Initial Calibration
DataAcq Meth : 82605

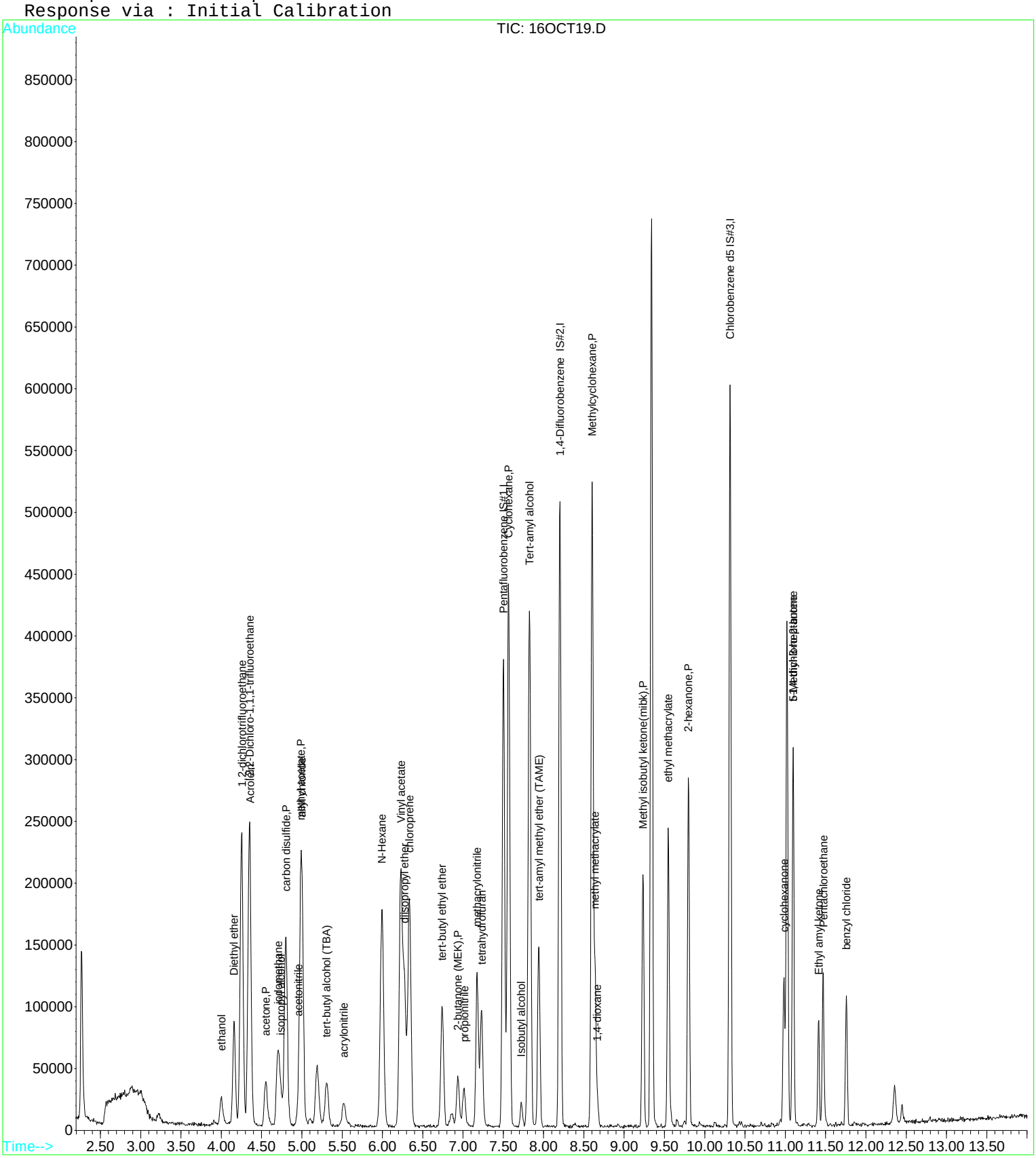
Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Pentafluorobenzene IS#1	7.50	137	47211	10.00	ug/L		0.00
29) 1,4-Difluorobenzene IS#2	8.20	63	93769	10.00	ug/L		0.00
36) Chlorobenzene d5 IS#3	10.31	119	113341	10.00	ug/L		0.00
Target Compounds							Qvalue
2) ethanol	4.00	45	36545	625.37	ug/L		95
3) 2,2-Dichloro-1,1,1-trifluo	4.35	83	186741	7.36	ug/L		97
4) 1,2-dichlorotrifluoroethan	4.26	67	174007	7.01	ug/L		86
5) Diethyl ether	4.16	59	61922	6.99	ug/L		97
6) isopropyl alcohol	4.74	45	38062	130.81	ug/L	#	5
7) Acrolein	4.36	56	36285	34.82	ug/L		89
8) acetone	4.55	43	69488	49.00	ug/L		97
9) tert-butyl alcohol (TBA)	5.31	59	62777	147.02	ug/L		100
10) acetonitrile	4.95	41	14111m	26.89	ug/L		
11) methyl acetate	4.98	43	260622	58.20	ug/L		95
12) allyl chloride	5.00	41	207718	5.84	ug/L		94
13) iodomethane	4.70	142	112540	13.52	ug/L		94
14) acrylonitrile	5.52	53	27189	13.60	ug/L		100
15) carbon disulfide	4.80	76	329504	6.58	ug/L		95
16) N-Hexane	6.00	57	140217	7.00	ug/L		96
17) diisopropyl ether	6.27	87	39093	2.91	ug/L		99
18) Vinyl acetate	6.23	43	517914	24.66	ug/L		94
19) chloroprene	6.33	53	183714	5.84	ug/L		94
20) tert-butyl ethyl ether	6.74	59	112436	2.79	ug/L		99
21) 2-butanone (MEK)	6.93	43	66157	26.43	ug/L		97
22) propionitrile	7.02	54	44973	63.03	ug/L		98
23) Isobutyl alcohol	7.72	43	16934	80.69	ug/L		97
24) methacrylonitrile	7.18	67	66668	26.66	ug/L		99
25) Tert-amyl alcohol	7.83	59	256683	761.17	ug/L		94
26) tetrahydrofuran	7.23	42	94912	51.51	ug/L		94
27) Cyclohexane	7.57	56	264166	7.11	ug/L		89
28) tert-amyl methyl ether (TA	7.94	73	83856	2.86	ug/L		93
30) methyl methacrylate	8.64	69	59371	15.79	ug/L		95
31) Methylcyclohexane	8.60	55	195090	8.57	ug/L		95
32) 1,4-dioxane	8.67	88	12430	348.04	ug/L		92
33) Methyl isobutyl ketone(mib	9.23	43	150936	31.31	ug/L		93
34) ethyl methacrylate	9.55	69	127180	16.40	ug/L		99
35) 2-hexanone	9.80	43	191879	63.78	ug/L		91
37) 5-Methyl-3-heptanone	11.10	43	70387	15.21	ug/L		91
38) cyclohexanone	10.98	55	58227	246.95	ug/L		97
39) t-1,4-dichloro-2-butene	11.10	75	30231	16.38	ug/L		99
40) Ethyl amyl ketone	11.41	57	25530	7.51	ug/L		92
41) Pentachloroethane	11.47	167	22820	4.39	ug/L		98
42) benzyl chloride	11.76	91	81311	7.24	ug/L		100

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

Quantitation Report

Data File : D:\DATA\OCT2022C\OCT16\16OCT19.D Vial: 19
Acq On : 16 Oct 2022 12:23 pm Operator: MGC
Sample : 2219286-CAL8 Inst : MS-V5
Misc : 1 ;2J16017;25ML Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Dec 1 9:27 2022 Quant Results File: 82605CX.RES

Method : C:\HPCHEM\1\METHODS\C\202209\09-0700\82605CX.M (RTE Integrator)
Title : EPA Method 8260C/DX
Last Update : Fri Sep 30 07:11:40 2022
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : D:\DATA\OCT2022C\OCT16\16OCT20.D Vial: 20
Acq On : 16 Oct 2022 12:47 pm Operator: MGC
Sample : 2219286-CAL9 Inst : MS-V5
Misc : 1 ;2J16018;25ML Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Dec 1 9:28 2022 Quant Results File: 82605CX.RES

Quant Method : C:\HPCHEM\1...\82605CX.M (RTE Integrator)
Title : EPA Method 8260C/DX
Last Update : Fri Sep 30 07:11:40 2022
Response via : Initial Calibration
DataAcq Meth : 82605

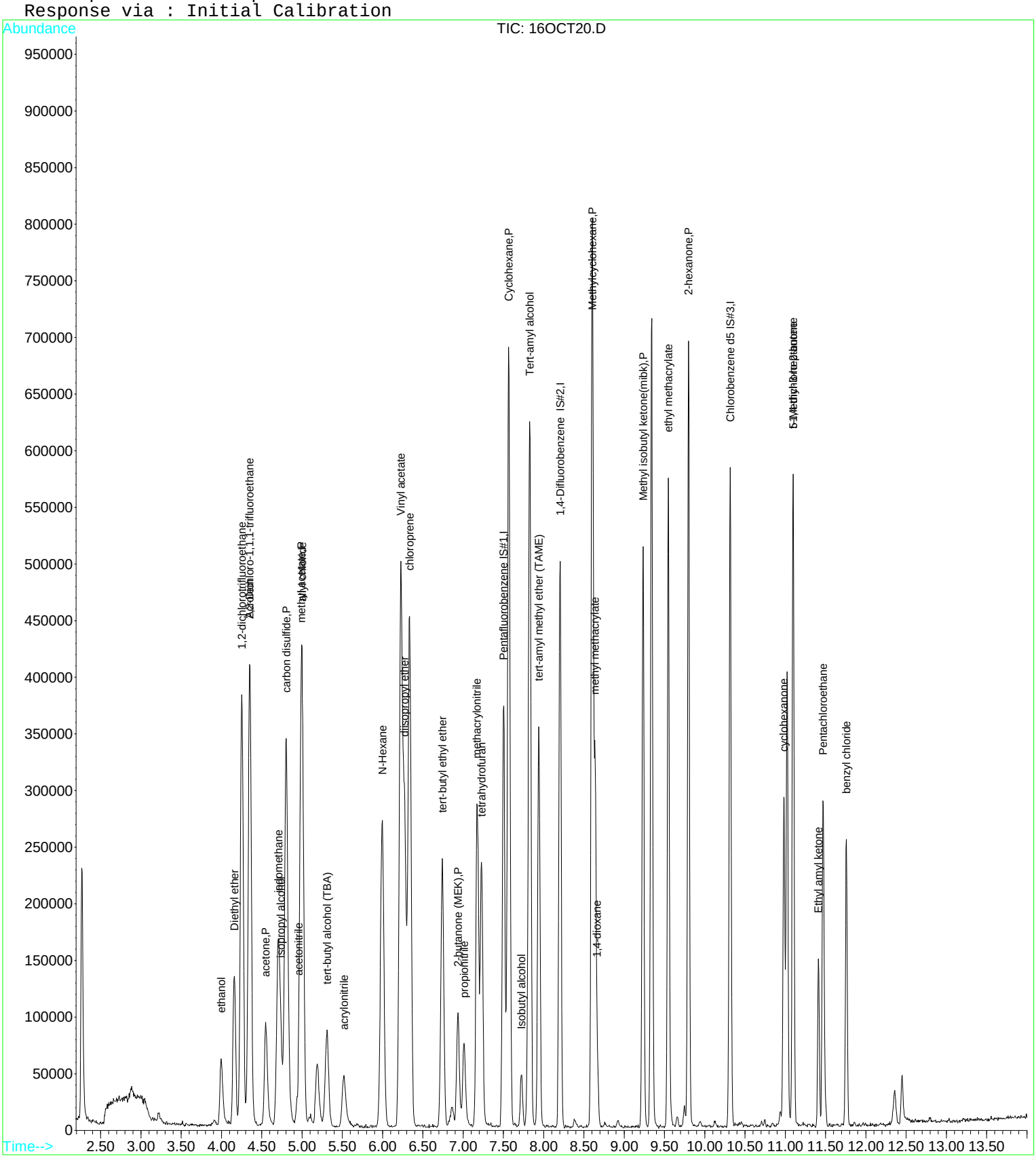
Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Pentafluorobenzene IS#1	7.50	137	47866	10.00	ug/L		0.00
29) 1,4-Difluorobenzene IS#2	8.20	63	93809	10.00	ug/L		0.00
36) Chlorobenzene d5 IS#3	10.32	119	113171	10.00	ug/L		0.00
Target Compounds							Qvalue
2) ethanol	4.00	45	92471	1560.74	ug/L		98
3) 2,2-Dichloro-1,1,1-trifluo	4.35	83	289432	11.25	ug/L		97
4) 1,2-dichlorotrifluoroethan	4.25	67	276651	10.99	ug/L		87
5) Diethyl ether	4.16	59	98952	11.02	ug/L		97
6) isopropyl alcohol	4.74	45	93740	317.75	ug/L	#	4
7) Acrolein	4.35	56	87867	83.16	ug/L		94
8) acetone	4.55	43	170322	118.46	ug/L		99
9) tert-butyl alcohol (TBA)	5.31	59	154178	356.14	ug/L		100
10) acetonitrile	4.95	41	34870m	65.54	ug/L		
11) methyl acetate	4.98	43	407578	89.78	ug/L		93
12) allyl chloride	5.00	41	486997	13.52	ug/L		93
13) iodomethane	4.70	142	303283	28.84	ug/L		95
14) acrylonitrile	5.52	53	65419	32.28	ug/L		99
15) carbon disulfide	4.80	76	782210	15.40	ug/L		96
16) N-Hexane	5.99	57	219342	10.81	ug/L		97
17) diisopropyl ether	6.27	87	92940	6.82	ug/L		96
18) Vinyl acetate	6.23	43	1237416	58.11	ug/L		95
19) chloroprene	6.33	53	447123	14.02	ug/L		96
20) tert-butyl ethyl ether	6.74	59	272347	6.67	ug/L		98
21) 2-butanone (MEK)	6.94	43	156056	61.49	ug/L		99
22) propionitrile	7.01	54	113672	157.13	ug/L		97
23) Isobutyl alcohol	7.72	43	35863	168.54	ug/L		95
24) methacrylonitrile	7.18	67	156218	61.61	ug/L		95
25) Tert-amyl alcohol	7.83	59	402897	1178.41	ug/L		94
26) tetrahydrofuran	7.23	42	220318	117.93	ug/L		96
27) Cyclohexane	7.57	56	410763	10.91	ug/L		90
28) tert-amyl methyl ether (TA	7.94	73	195597	6.58	ug/L		95
30) methyl methacrylate	8.64	69	145810	38.75	ug/L		98
31) Methylcyclohexane	8.60	55	307619	13.51	ug/L		92
32) 1,4-dioxane	8.67	88	33849	947.36	ug/L		93
33) Methyl isobutyl ketone(mib	9.23	43	363446	75.37	ug/L		93
34) ethyl methacrylate	9.55	69	312054	40.22	ug/L		98
35) 2-hexanone	9.80	43	459184	152.56	ug/L		92
37) 5-Methyl-3-heptanone	11.10	43	110037	23.81	ug/L		95
38) cyclohexanone	10.98	55	141056	599.14	ug/L		97
39) t-1,4-dichloro-2-butene	11.09	75	75860	41.17	ug/L		97
40) Ethyl amyl ketone	11.41	57	42238	12.44	ug/L		93
41) Pentachloroethane	11.47	167	55461	10.08	ug/L		96
42) benzyl chloride	11.76	91	197121	16.52	ug/L		99

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

Quantitation Report

Data File : D:\DATA\OCT2022C\OCT16\16OCT20.D Vial: 20
Acq On : 16 Oct 2022 12:47 pm Operator: MGC
Sample : 2219286-CAL9 Inst : MS-V5
Misc : 1 ;2J16018;25ML Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Dec 1 9:28 2022 Quant Results File: 82605CX.RES

Method : C:\HPCHEM\1\METHODS\C\202209\09-0700\82605CX.M (RTE Integrator)
Title : EPA Method 8260C/DX
Last Update : Fri Sep 30 07:11:40 2022
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : D:\DATA\OCT2022C\OCT16\16OCT21.D Vial: 21
Acq On : 16 Oct 2022 1:11 pm Operator: MGC
Sample : 2219286-CALA Inst : MS-V5
Misc : 1 ;2J16019;25ML Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Dec 1 9:28 2022 Quant Results File: 82605CX.RES

Quant Method : C:\HPCHEM\1...\82605CX.M (RTE Integrator)
Title : EPA Method 8260C/DX
Last Update : Fri Sep 30 07:11:40 2022
Response via : Initial Calibration
DataAcq Meth : 82605

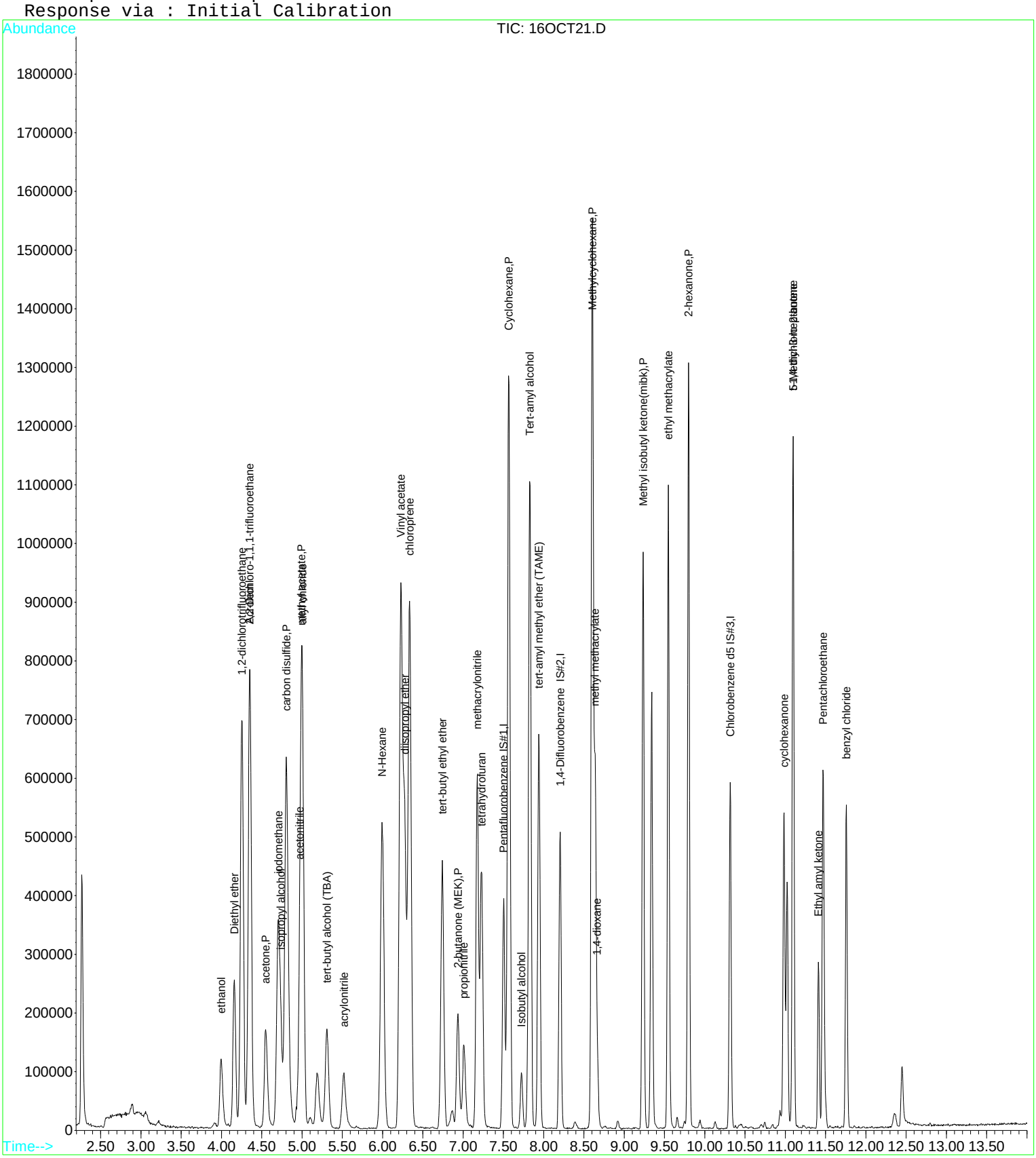
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene IS#1	7.50	137	48263	10.00	ug/L	0.00
29) 1,4-Difluorobenzene IS#2	8.21	63	93569	10.00	ug/L	0.00
36) Chlorobenzene d5 IS#3	10.32	119	114688	10.00	ug/L	0.00
Target Compounds						Qvalue
2) ethanol	4.00	45	186036	3114.13	ug/L	97
3) 2,2-Dichloro-1,1,1-trifluo	4.35	83	553354	21.33	ug/L	97
4) 1,2-dichlorotrifluoroethan	4.25	67	506479	19.96	ug/L	85
5) Diethyl ether	4.16	59	188306	20.80	ug/L	95
6) isopropyl alcohol	4.74	45	176951	594.88	ug/L	96
7) Acrolein	4.35	56	173514	162.87	ug/L	94
8) acetone	4.55	43	331864	228.91	ug/L	99
9) tert-butyl alcohol (TBA)	5.31	59	304936	698.59	ug/L	100
10) acetonitrile	4.96	41	85480m	159.34	ug/L	
11) methyl acetate	4.98	43	766830	167.52	ug/L	95
12) allyl chloride	5.01	41	974380	26.82	ug/L	94
13) iodomethane	4.70	142	667699	51.01	ug/L	94
14) acrylonitrile	5.52	53	133328	65.24	ug/L	99
15) carbon disulfide	4.80	76	1531010	29.90	ug/L	97
16) N-Hexane	5.99	57	426837	20.86	ug/L	98
17) diisopropyl ether	6.28	87	180997	13.17	ug/L	94
18) Vinyl acetate	6.23	43	2339768	108.98	ug/L	96
19) chloroprene	6.34	53	897302	27.90	ug/L	95
20) tert-butyl ethyl ether	6.74	59	531598	12.90	ug/L	99
21) 2-butanone (MEK)	6.93	43	304537	119.02	ug/L	98
22) propionitrile	7.01	54	218958	300.18	ug/L	98
23) Isobutyl alcohol	7.72	43	73339	341.82	ug/L	98
24) methacrylonitrile	7.18	67	309684	121.13	ug/L	98
25) Tert-amyl alcohol	7.83	59	756753	2195.17	ug/L	95
26) tetrahydrofuran	7.23	42	416056	220.87	ug/L	100
27) Cyclohexane	7.56	56	787443	20.74	ug/L	90
28) tert-amyl methyl ether (TA	7.94	73	374323	12.49	ug/L	94
30) methyl methacrylate	8.64	69	286436	76.33	ug/L	98
31) Methylcyclohexane	8.60	55	578652	25.48	ug/L	94
32) 1,4-dioxane	8.67	88	69013	1936.47	ug/L	97
33) Methyl isobutyl ketone(mib	9.23	43	680807	141.55	ug/L	97
34) ethyl methacrylate	9.55	69	594383	76.80	ug/L	98
35) 2-hexanone	9.80	43	872478	290.62	ug/L	94
37) 5-Methyl-3-heptanone	11.10	43	208565	44.53	ug/L	97
38) cyclohexanone	10.99	55	258192	1082.18	ug/L	94
39) t-1,4-dichloro-2-butene	11.09	75	157493	84.34	ug/L	96
40) Ethyl amyl ketone	11.41	57	82749	24.05	ug/L	95
41) Pentachloroethane	11.47	167	119973	20.79	ug/L	95
42) benzyl chloride	11.76	91	423806	34.23	ug/L	99

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

Quantitation Report

Data File : D:\DATA\OCT2022C\OCT16\16OCT21.D Vial: 21
Acq On : 16 Oct 2022 1:11 pm Operator: MGC
Sample : 2219286-CALA Inst : MS-V5
Misc : 1 ;2J16019;25ML Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Dec 1 9:28 2022 Quant Results File: 82605CX.RES

Method : C:\HPCHEM\1\METHODS\C\202209\09-0700\82605CX.M (RTE Integrator)
Title : EPA Method 8260C/DX
Last Update : Fri Sep 30 07:11:40 2022
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : D:\DATA\OCT2022C\OCT16\16OCT22.D Vial: 22
Acq On : 16 Oct 2022 1:35 pm Operator: MGC
Sample : 2219286-CALB Inst : MS-V5
Misc : 1 ;2J16020;25ML Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Dec 1 9:29 2022 Quant Results File: 82605CX.RES

Quant Method : C:\HPCHEM\1...\82605CX.M (RTE Integrator)
Title : EPA Method 8260C/DX
Last Update : Fri Sep 30 07:11:40 2022
Response via : Initial Calibration
DataAcq Meth : 82605

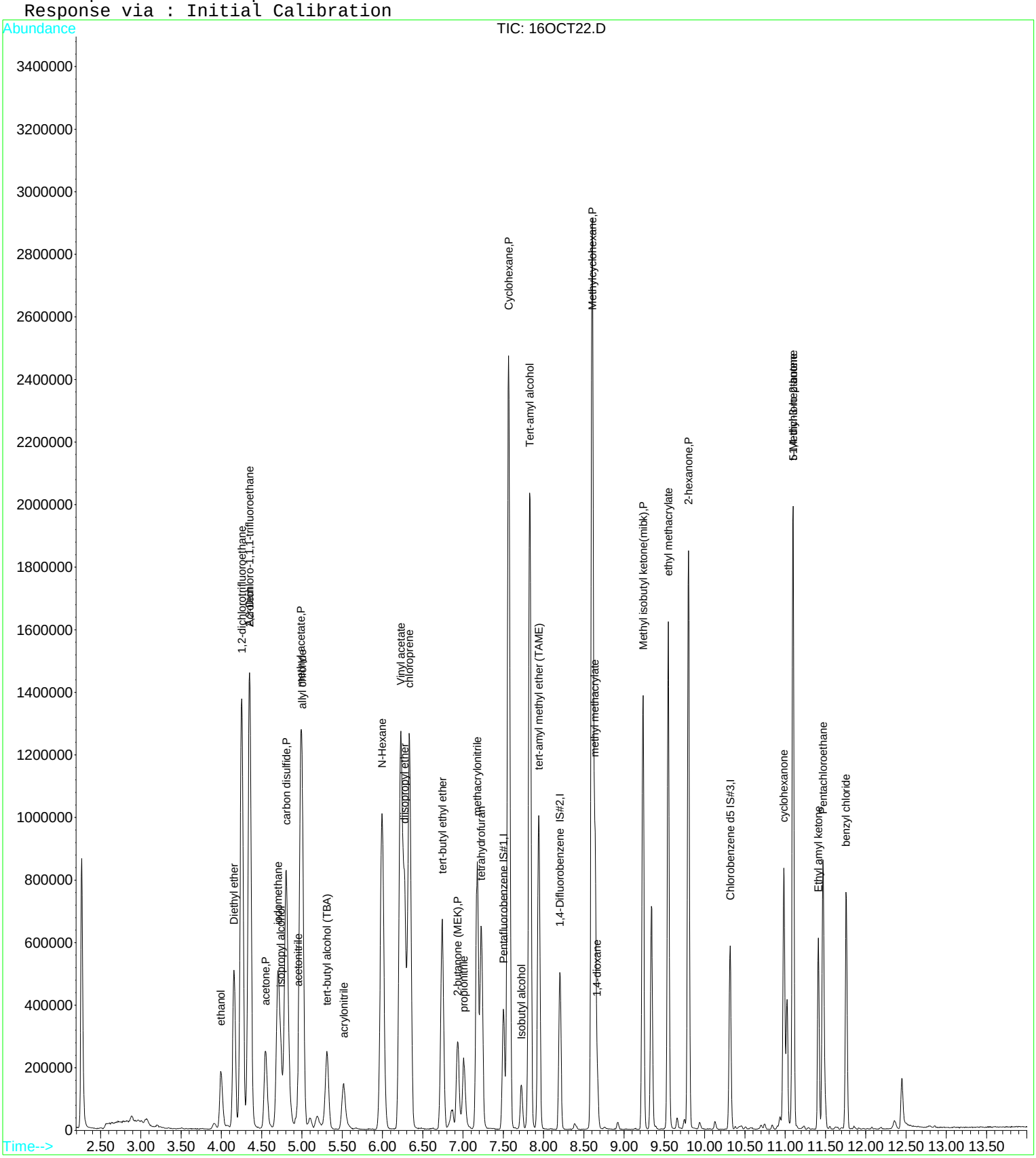
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene IS#1	7.50	137	47064	10.00	ug/L	0.00
29) 1,4-Difluorobenzene IS#2	8.20	63	92396	10.00	ug/L	0.00
36) Chlorobenzene d5 IS#3	10.32	119	112589	10.00	ug/L	0.00
Target Compounds						Qvalue
2) ethanol	3.99	45	275475	4728.76	ug/L	99
3) 2,2-Dichloro-1,1,1-trifluo	4.35	83	1061171	41.95	ug/L	98
4) 1,2-dichlorotrifluoroethan	4.25	67	989251	39.97	ug/L	85
5) Diethyl ether	4.16	59	374194	42.39	ug/L	97
6) isopropyl alcohol	4.74	45	268900	927.03	ug/L	92
7) Acrolein	4.35	56	266124	256.16	ug/L	97
8) acetone	4.55	43	495858	350.74	ug/L	99
9) tert-butyl alcohol (TBA)	5.31	59	441394	1036.97	ug/L	100
10) acetonitrile	4.95	41	100937m	192.94	ug/L	
11) methyl acetate	4.98	43	1511550	338.63	ug/L	96
12) allyl chloride	5.01	41	1330893	37.57	ug/L	95
13) iodomethane	4.70	142	961657	66.75	ug/L	93
14) acrylonitrile	5.52	53	203484	102.11	ug/L	98
15) carbon disulfide	4.81	76	2088600	41.83	ug/L	97
16) N-Hexane	5.99	57	838691	42.02	ug/L	98
17) diisopropyl ether	6.28	87	258670	19.31	ug/L	96
18) Vinyl acetate	6.22	43	3266036	155.99	ug/L	97
19) chloroprene	6.33	53	1237396	39.46	ug/L	96
20) tert-butyl ethyl ether	6.74	59	770449	19.18	ug/L	98
21) 2-butanone (MEK)	6.93	43	446893	179.10	ug/L	99
22) propionitrile	7.01	54	340226	478.31	ug/L	98
23) Isobutyl alcohol	7.72	43	108487	518.52	ug/L	97
24) methacrylonitrile	7.18	67	450899	180.86	ug/L	98
25) Tert-amyl alcohol	7.83	59	1430877	4256.39	ug/L	96
26) tetrahydrofuran	7.23	42	608249	331.13	ug/L	99
27) Cyclohexane	7.57	56	1487211	40.17	ug/L	91
28) tert-amyl methyl ether (TA	7.94	73	547374	18.73	ug/L	94
30) methyl methacrylate	8.64	69	412591	111.34	ug/L	99
31) Methylcyclohexane	8.61	55	1089577	48.59	ug/L	95
32) 1,4-dioxane	8.67	88	103823	2950.21	ug/L	96
33) Methyl isobutyl ketone(mib	9.24	43	974600	205.20	ug/L	97
34) ethyl methacrylate	9.55	69	854162	111.76	ug/L	98
35) 2-hexanone	9.80	43	1231860	415.54	ug/L	96
37) 5-Methyl-3-heptanone	11.10	43	402472	87.53	ug/L	97
38) cyclohexanone	10.98	55	402078	1716.67	ug/L	96
39) t-1,4-dichloro-2-butene	11.09	75	220153	120.10	ug/L	96
40) Ethyl amyl ketone	11.41	57	171402	50.75	ug/L	96
41) Pentachloroethane	11.47	167	167661	29.12	ug/L	95
42) benzyl chloride	11.76	91	589506	48.19	ug/L	99

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

Quantitation Report

Data File : D:\DATA\OCT2022C\OCT16\16OCT22.D Vial: 22
Acq On : 16 Oct 2022 1:35 pm Operator: MGC
Sample : 2219286-CALB Inst : MS-V5
Misc : 1 ;2J16020;25ML Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Dec 1 9:29 2022 Quant Results File: 82605CX.RES

Method : C:\HPCHEM\1\METHODS\C\202209\09-0700\82605CX.M (RTE Integrator)
Title : EPA Method 8260C/DX
Last Update : Fri Sep 30 07:11:40 2022
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : D:\DATA\OCT2022C\OCT16\16OCT23.D Vial: 23
Acq On : 16 Oct 2022 1:59 pm Operator: MGC
Sample : 2219286-CALC Inst : MS-V5
Misc : 1 ;2J16021;25ML Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Dec 1 9:30 2022 Quant Results File: 82605CX.RES

Quant Method : C:\HPCHEM\1...\82605CX.M (RTE Integrator)
Title : EPA Method 8260C/DX
Last Update : Fri Sep 30 07:11:40 2022
Response via : Initial Calibration
DataAcq Meth : 82605

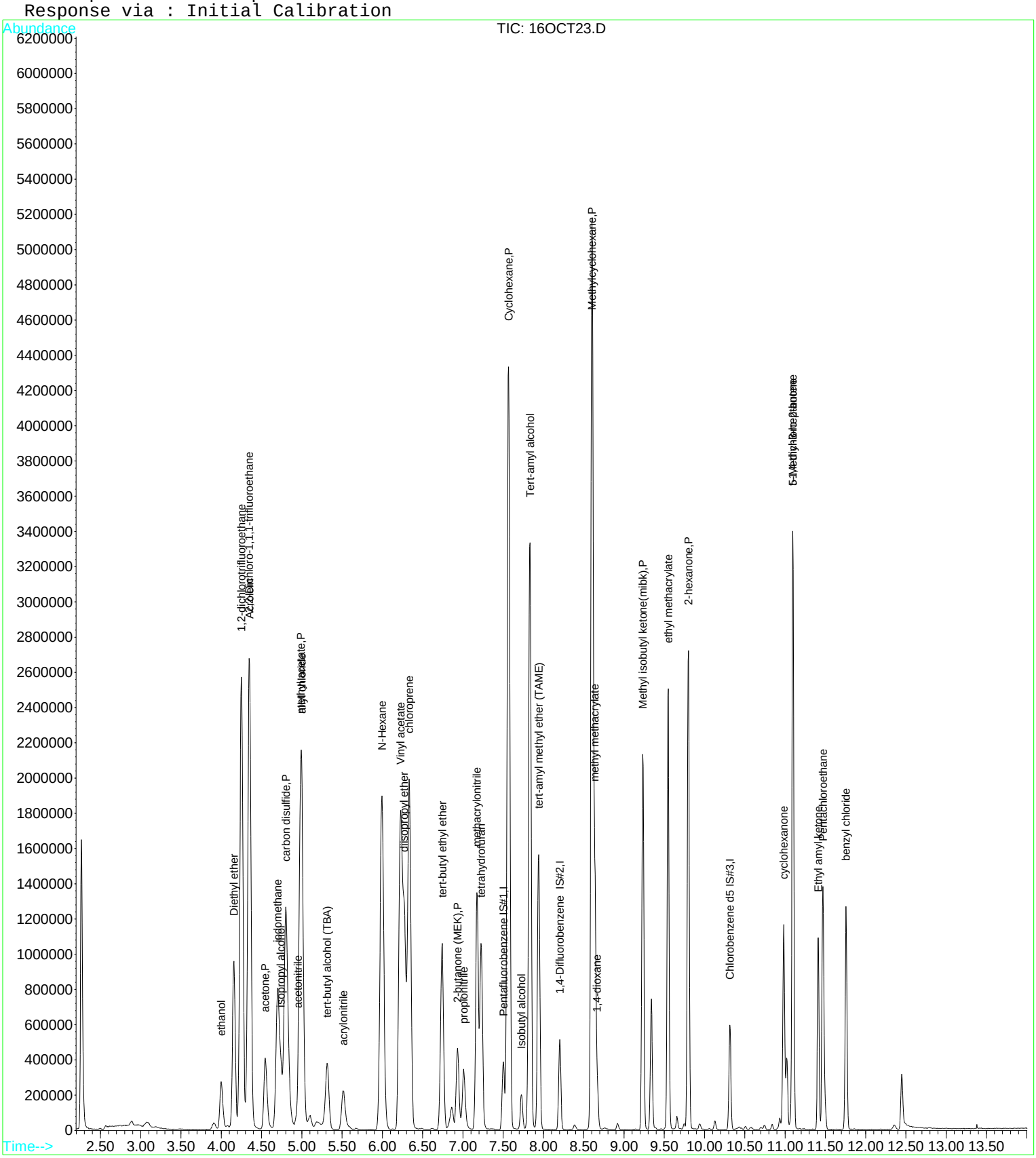
Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Pentafluorobenzene IS#1	7.50	137	47042	10.00	ug/L		0.00
29) 1,4-Difluorobenzene IS#2	8.20	63	91033	10.00	ug/L		0.00
36) Chlorobenzene d5 IS#3	10.31	119	112441	10.00	ug/L		0.00
Target Compounds							Qvalue
2) ethanol	4.00	45	401555	6896.25	ug/L		99
3) 2,2-Dichloro-1,1,1-trifluo	4.35	83	1951038	77.17	ug/L	#	96
4) 1,2-dichlorotrifluoroethan	4.25	67	1810626	73.20	ug/L		83
5) Diethyl ether	4.16	59	703455	79.72	ug/L		98
6) isopropyl alcohol	4.74	45	385666	1330.20	ug/L		99
7) Acrolein	4.36	56	400160	385.36	ug/L		98
8) acetone	4.55	43	783674	554.59	ug/L		98
9) tert-butyl alcohol (TBA)	5.31	59	685592	1611.42	ug/L		100
10) acetonitrile	4.95	41	154257m	295.00	ug/L		
11) methyl acetate	4.98	43	2604588	583.77	ug/L		98
12) allyl chloride	5.00	41	2019698	57.04	ug/L		97
13) iodomethane	4.71	142	1585586	92.85	ug/L		92
14) acrylonitrile	5.52	53	316873	159.08	ug/L		99
15) carbon disulfide	4.80	76	3270179	65.53	ug/L		99
16) N-Hexane	6.00	57	1605497	80.48	ug/L		98
17) diisopropyl ether	6.27	87	422806	31.57	ug/L		89
18) Vinyl acetate	6.23	43	4766417	227.76	ug/L		99
19) chloroprene	6.33	53	1960758	62.55	ug/L		98
20) tert-butyl ethyl ether	6.74	59	1228401	30.59	ug/L		97
21) 2-butanone (MEK)	6.93	43	714340	286.42	ug/L		100
22) propionitrile	7.01	54	513760	722.61	ug/L		98
23) Isobutyl alcohol	7.73	43	153808	735.49	ug/L		98
24) methacrylonitrile	7.18	67	714244	286.62	ug/L		99
25) Tert-amyl alcohol	7.83	59	2322384	6911.56	ug/L		99
26) tetrahydrofuran	7.22	42	956690	521.06	ug/L		100
27) Cyclohexane	7.57	56	2591187	70.02	ug/L		94
28) tert-amyl methyl ether (TA	7.94	73	873783	29.91	ug/L		94
30) methyl methacrylate	8.64	69	643561	176.27	ug/L		98
31) Methylcyclohexane	8.60	55	1947757	88.16	ug/L		97
32) 1,4-dioxane	8.67	88	153409	4424.51	ug/L		92
33) Methyl isobutyl ketone(mib	9.23	43	1473251	314.84	ug/L		100
34) ethyl methacrylate	9.55	69	1311319	174.15	ug/L		96
35) 2-hexanone	9.80	43	1797430	615.39	ug/L		98
37) 5-Methyl-3-heptanone	11.10	43	727260	158.37	ug/L		97
38) cyclohexanone	10.98	55	538575	2302.47	ug/L		93
39) t-1,4-dichloro-2-butene	11.10	75	346048	189.02	ug/L		97
40) Ethyl amyl ketone	11.41	57	320902	95.13	ug/L		94
41) Pentachloroethane	11.47	167	273037	46.21	ug/L		95
42) benzyl chloride	11.76	91	954711	77.68	ug/L		98

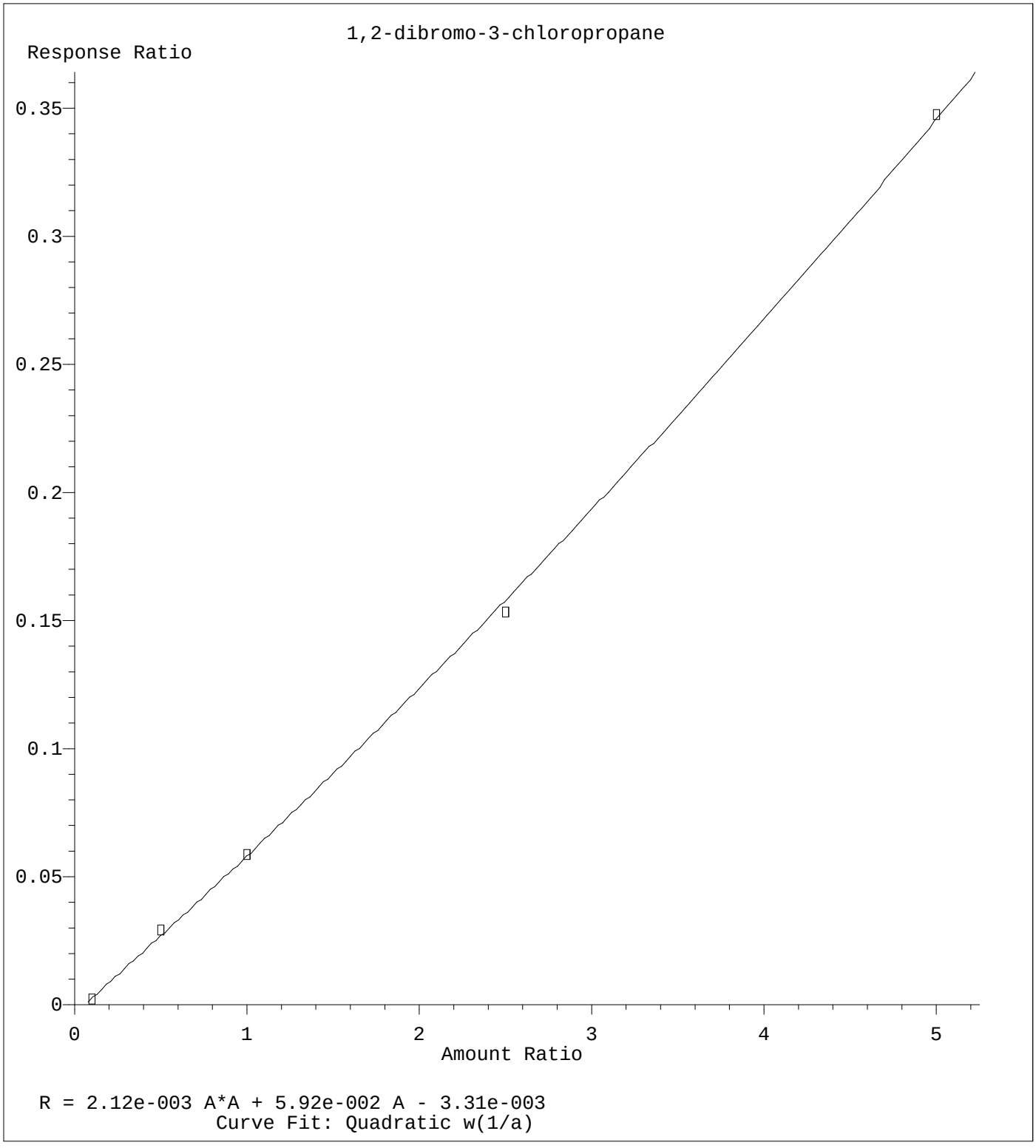
(#) = qualifier out of range (m) = manual integration

Quantitation Report

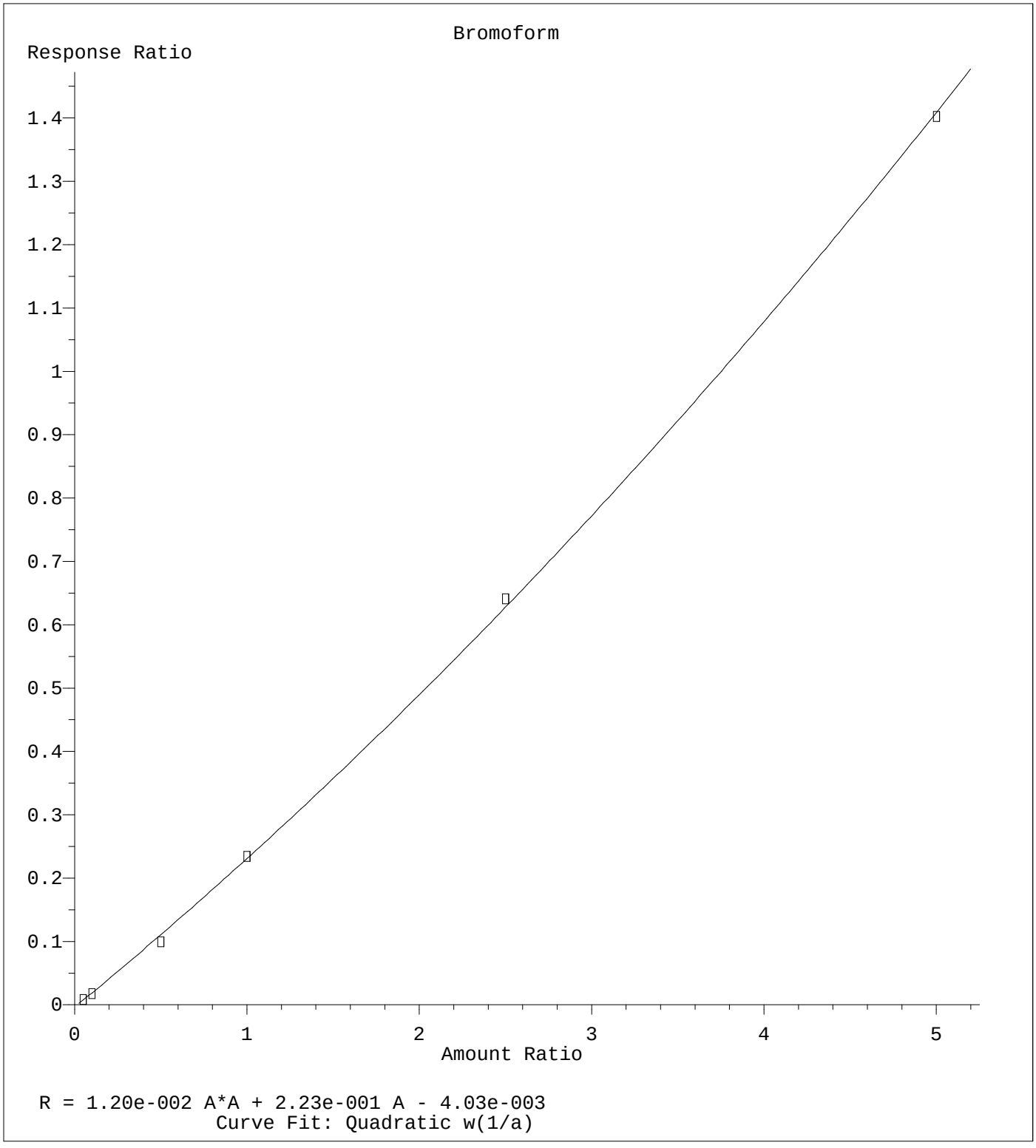
Data File : D:\DATA\OCT2022C\OCT16\16OCT23.D Vial: 23
Acq On : 16 Oct 2022 1:59 pm Operator: MGC
Sample : 2219286-CALC Inst : MS-V5
Misc : 1 ;2J16021;25ML Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Dec 1 9:30 2022 Quant Results File: 82605CX.RES

Method : C:\HPCHEM\1\METHODS\C\202209\09-0700\82605CX.M (RTE Integrator)
Title : EPA Method 8260C/DX
Last Update : Fri Sep 30 07:11:40 2022
Response via : Initial Calibration

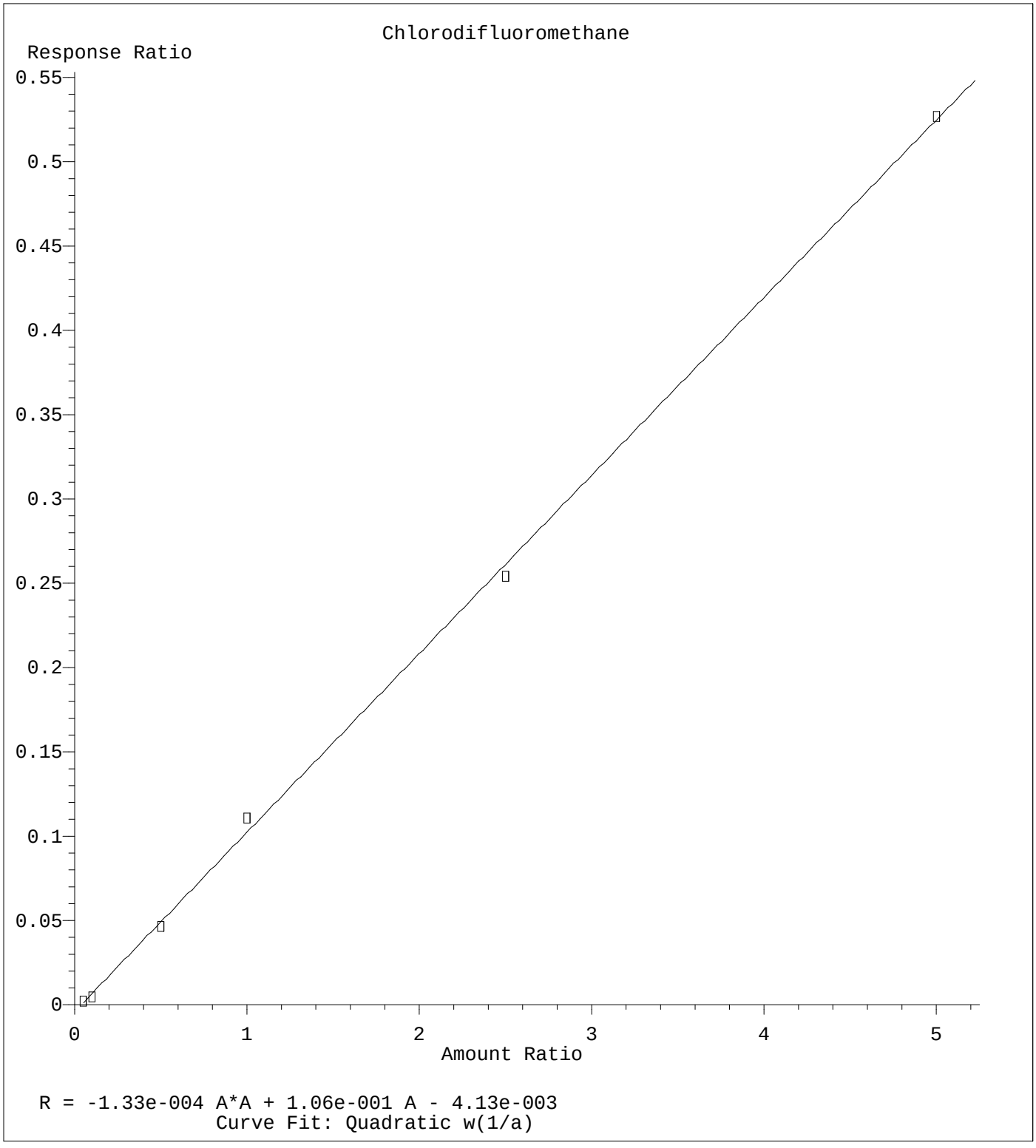




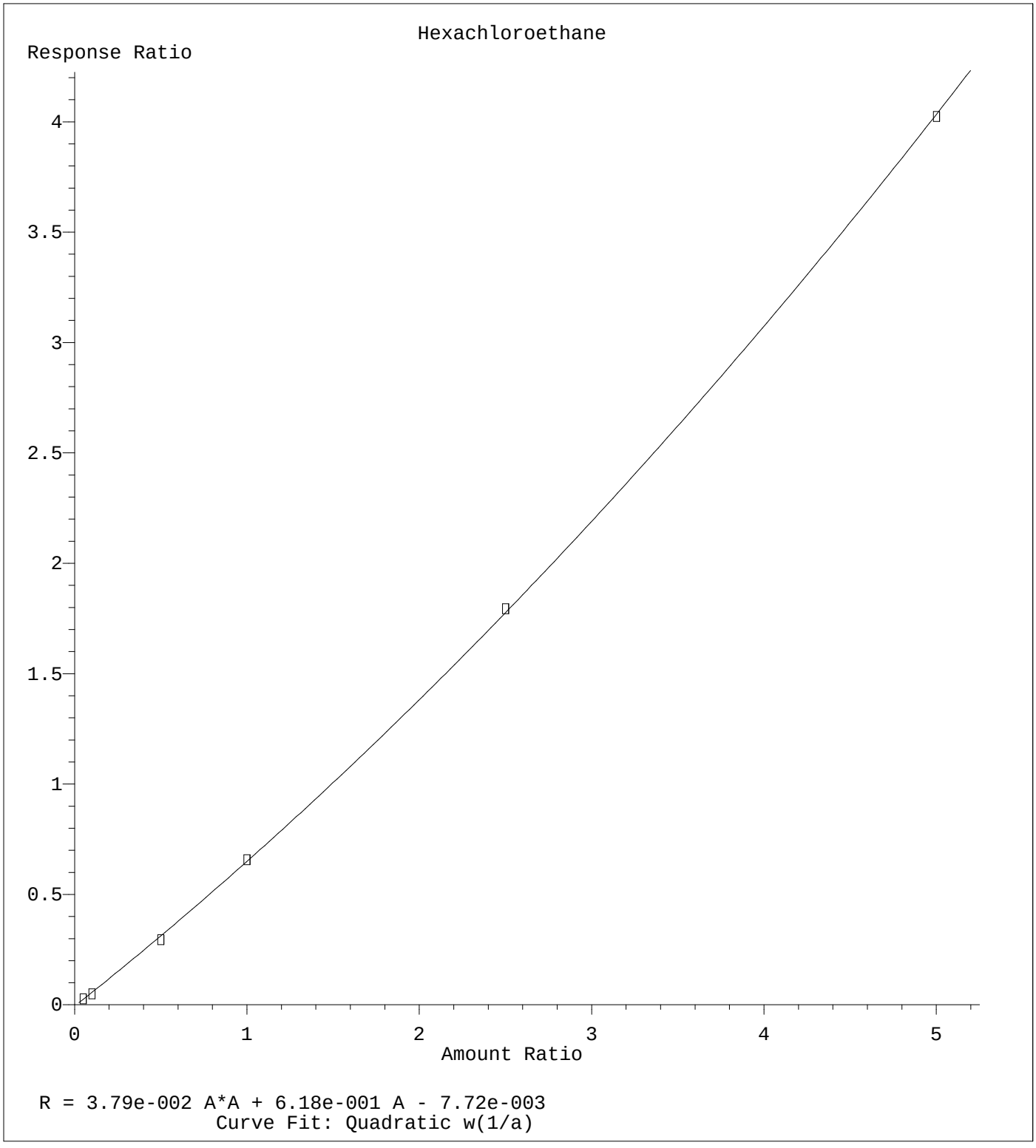
Method Name: C:\HPCHEM\1\METHODS\C\202211\14-1045\82605C.M
Calibration Table Last Updated: Thu Nov 17 08:03:26 2022



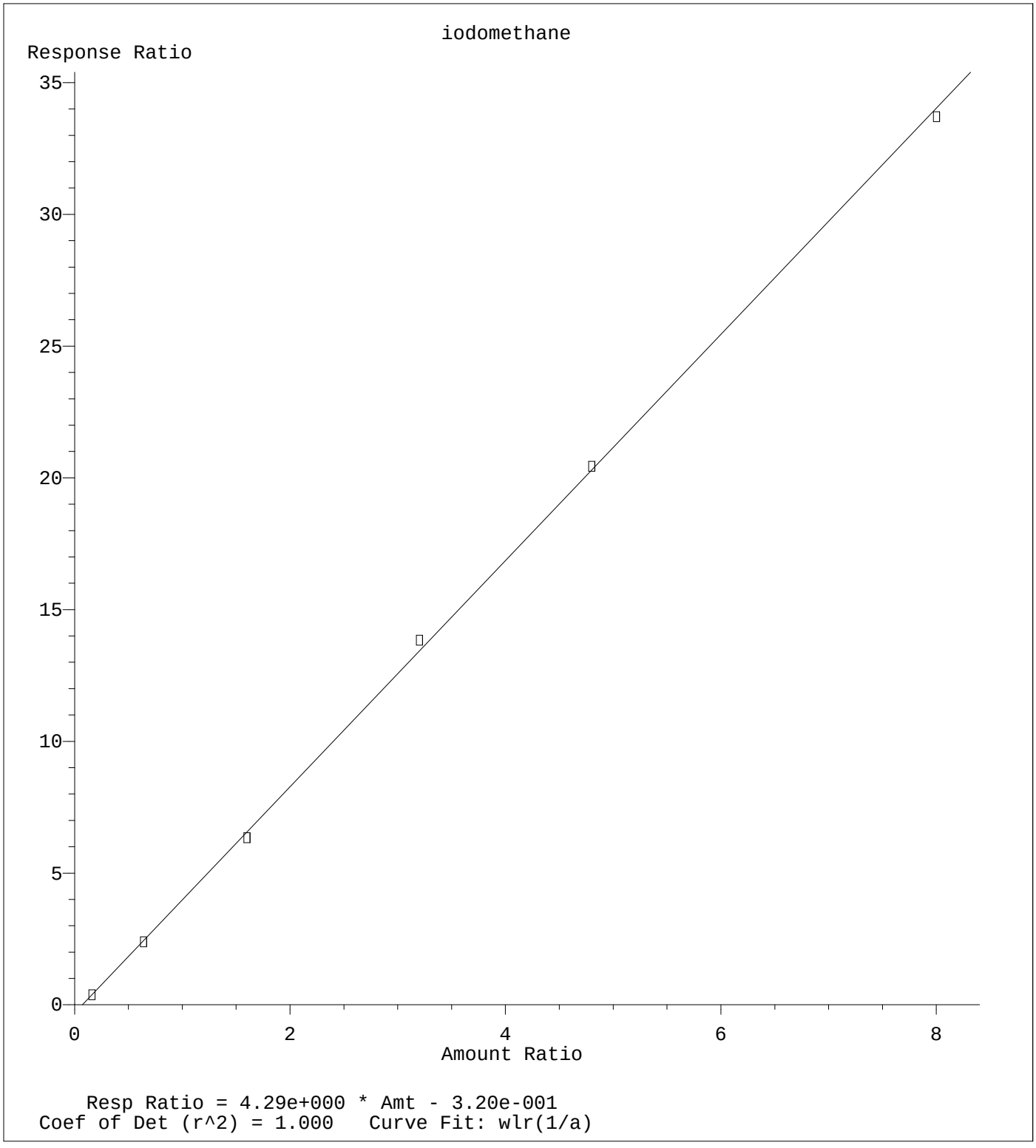
Method Name: C:\HPCHEM\1\METHODS\C\202211\14-1045\82605C.M
Calibration Table Last Updated: Thu Nov 17 08:03:26 2022



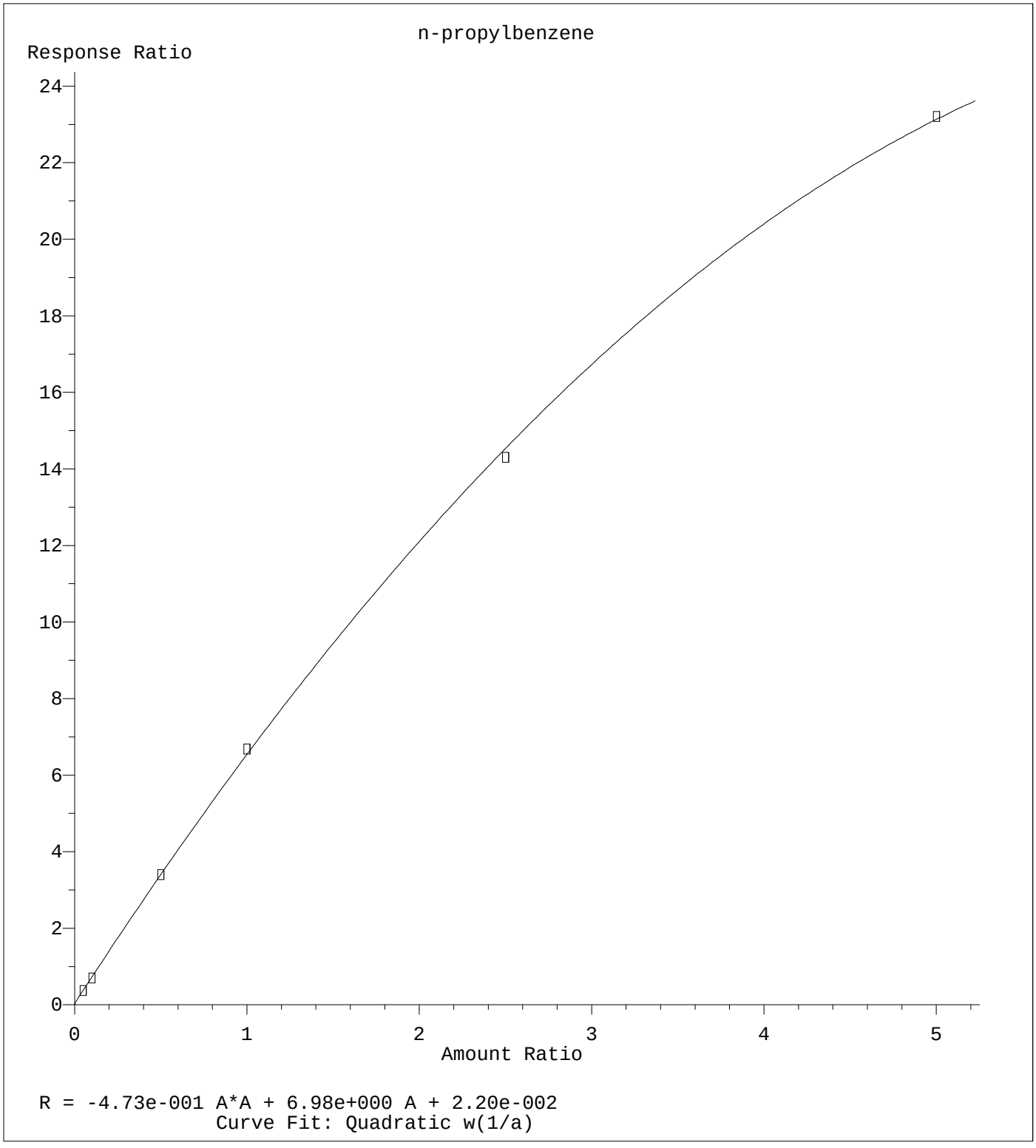
Method Name: C:\HPCHEM\1\METHODS\C\202211\14-1045\82605C.M
Calibration Table Last Updated: Thu Nov 17 08:03:26 2022



Method Name: C:\HPCHEM\1\METHODS\C\202211\14-1045\82605C.M
Calibration Table Last Updated: Thu Nov 17 08:03:26 2022



Method Name: C:\HPCHEM\1\METHODS\C\202210\16-1301\82605CX.M
Calibration Table Last Updated: Thu Dec 01 09:35:24 2022



Method Name: C:\HPCHEM\1\METHODS\C\202211\14-1045\82605C.M
Calibration Table Last Updated: Thu Nov 17 08:03:26 2022

Raw Data - ICV

Quantitation Report (QT Reviewed)

Data File : D:\DATA\NOV2022C\NOV14\14NOV11.D Vial: 11
Acq On : 14 Nov 2022 12:21 pm Operator: mgc
Sample : 2221072-ICV1 Inst : MS-V5
Misc : 1 ;2K14011;25ML Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Nov 17 8:05 2022 Quant Results File: 82605C.RES

Quant Method : C:\HPCHEM\1...\82605C.M (RTE Integrator)
Title : EPA Method 8260C/D
Last Update : Thu Nov 17 08:03:26 2022
Response via : Initial Calibration
DataAcq Meth : 82605

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene IS#1	7.50	137	48756	10.00	ug/L	0.00
26) 1,4-Difluorobenzene IS#2	8.20	63	102994	10.00	ug/L	0.00
41) Chlorobenzene d5 IS#3	10.31	119	119042	10.00	ug/L	0.00
System Monitoring Compounds						
23) 1,2-dichloroethane d4 SMC	7.81	65	98687	10.16	ug/L	0.00
Spiked Amount 10.000	Range 75 - 125		Recovery = 101.60%			
33) Toluene d8 SMC#2	9.34	98	539462	9.98	ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 99.80%			
51) Bromofluorobenzene SMC#3	11.02	95	152064	9.98	ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 99.80%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.31	85	514793	23.17	ug/L	99
3) Chlorodifluoromethane	2.34	51	14927	29.26	ug/L #	32
4) Chloromethane	2.57	50	531115	22.60	ug/L	98
5) Vinyl chloride	2.73	62	464420	24.36	ug/L	99
6) Bromomethane	3.22	94	303354	25.35	ug/L	100
7) Chloroethane	3.38	64	360043	24.10	ug/L	100
8) Dichlorofluoromethane	3.71	67	477877	27.25	ug/L	99
9) Trichlorofluoromethane	3.76	101	622952	24.64	ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	4.51	101	384435	24.64	ug/L	99
11) 1,1-Dichloroethene	4.49	61	682711	24.87	ug/L	99
12) Methylene chloride	5.19	84	338534	23.65	ug/L	99
13) MTBE	5.55	73	526245	23.53	ug/L	99
14) T-1,2-dichloroethene	5.57	96	428033	24.31	ug/L	97
15) 1,1-Dichloroethane	6.24	63	765976	23.17	ug/L	98
16) 2,2-Dichloropropane	6.96	77	595729	24.25	ug/L	99
17) Cis-1,2-dichloroethene	6.95	96	421536	23.35	ug/L	98
18) Bromochloromethane	7.21	128	136818	24.35	ug/L	95
19) Chloroform	7.32	83	630895	23.79	ug/L	97
20) 1,1,1-Trichloroethane	7.50	97	611687	24.37	ug/L	92
21) 1,1-Dichloropropene	7.65	75	566768	24.97	ug/L	98
22) Carbon tetrachloride	7.65	119	469111	26.20	ug/L	100
24) 1,2-Dichloroethane	7.88	62	319339	24.27	ug/L	98
25) Benzene	7.84	78	1480156	22.57	ug/L	97
27) Trichloroethene	8.41	130	422409	23.87	ug/L	99
28) 1,2-Dichloropropane	8.62	63	388420	23.35	ug/L	99
29) Dibromomethane	8.69	93	119149	23.71	ug/L	98
30) Bromodichloromethane	8.82	83	385928	24.72	ug/L	98
31) 2-ceve	9.02	63	449924	97.49	ug/L	98
32) Cis-1,3-dichloropropene	9.14	75	475910	24.40	ug/L	98
34) Toluene	9.39	92	931550	23.04	ug/L	91
35) Trans-1,3-dichloropropene	9.54	75	319644	24.85	ug/L	100
36) 1,1,2-Trichloroethane	9.68	97	182616	24.22	ug/L	98
37) Tetrachloroethene (PCE)	9.75	166	377670	22.94	ug/L	99
38) 1,3-Dichloropropane	9.79	76	312809	23.93	ug/L	98
39) Dibromochloromethane	9.94	129	200396	26.26	ug/L	98
40) 1,2-Dibromoethane	10.03	107	154134	24.29	ug/L	99
42) Chlorobenzene	10.33	112	910424	23.38	ug/L	97
43) 1,1,1,2-Tetrachloroethane	10.38	131	279959	24.44	ug/L	100
44) Ethylbenzene	10.38	106	563576	23.91	ug/L	79
45) P+m-Xylene	10.46	106	1254035	46.51	ug/L	85
46) O-Xylene	10.70	106	618266	23.39	ug/L	91
47) Styrene	10.70	104	888967	24.32	ug/L	96
48) Bromoform	10.84	173	73761	24.73	ug/L	99
49) Isopropylbenzene	10.91	105	1569891	23.49	ug/L	91
50) 1,1,2,2-Tetrachloroethane	11.08	83	160448	24.90	ug/L	95

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

Quantitation Report (QT Reviewed)

Data File : D:\DATA\NOV2022C\NOV14\14NOV11.D Vial: 11
Acq On : 14 Nov 2022 12:21 pm Operator: mgc
Sample : 2221072-ICV1 Inst : MS-V5
Misc : 1 ;2K14011;25ML Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Nov 17 8:05 2022 Quant Results File: 82605C.RES

Quant Method : C:\HPCHEM\1...\82605C.M (RTE Integrator)
Title : EPA Method 8260C/D
Last Update : Thu Nov 17 08:03:26 2022
Response via : Initial Calibration
DataAcq Meth : 82605

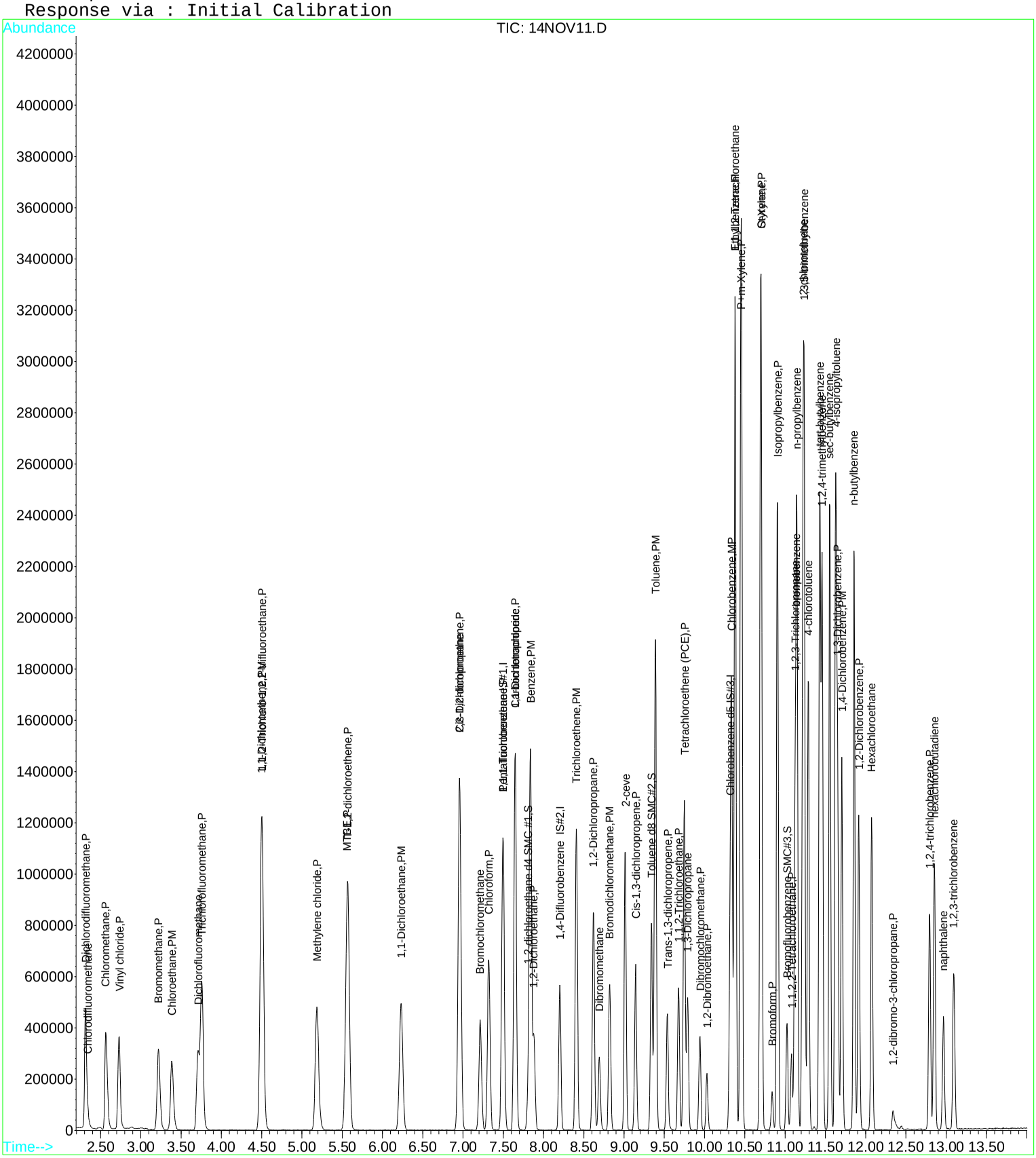
	Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
52)	1,2,3-Trichloropropane	11.12	110	42902	25.71	ug/L	99
53)	n-propylbenzene	11.15	91	1724043	24.90	ug/L	90
54)	bromobenzene	11.13	156	302867	24.19	ug/L	98
55)	1,3,5-trimethylbenzene	11.24	105	1233248	24.00	ug/L	93
56)	2-chlorotoluene	11.22	91	1175232	23.91	ug/L	95
57)	4-chlorotoluene	11.28	91	1071501	24.77	ug/L	95
58)	tert-butylbenzene	11.43	119	1317644	24.04	ug/L	96
59)	1,2,4-trimethylbenzene	11.46	105	1202783	24.33	ug/L	92
60)	sec-butylbenzene	11.56	105	1642879	23.41	ug/L	90
61)	4-isopropyltoluene	11.63	119	1322033	24.47	ug/L	92
62)	1,3-Dichlorobenzene	11.65	146	625240	25.00	ug/L	98
63)	1,4-Dichlorobenzene	11.70	146	599108	25.02	ug/L	98
64)	n-butylbenzene	11.85	91	1219366	25.13	ug/L	94
65)	1,2-Dichlorobenzene	11.91	146	526340	25.24	ug/L	98
66)	Hexachloroethane	12.07	117	209942	24.85	ug/L	95
67)	1,2-dibromo-3-chloropropan	12.34	75	18492	24.64	ug/L	95
68)	1,2,4-trichlorobenzene	12.79	180	289956	26.07	ug/L	98
69)	hexachlorobutadiene	12.85	225	207707	25.46	ug/L	99
70)	naphthalene	12.96	128	385708	25.14	ug/L	100
71)	1,2,3-trichlorobenzene	13.10	180	222823	25.94	ug/L	99

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

Quantitation Report

Data File : D:\DATA\NOV2022C\NOV14\14NOV11.D Vial: 11
Acq On : 14 Nov 2022 12:21 pm Operator: mgc
Sample : 2221072-ICV1 Inst : MS-V5
Misc : 1 ;2K14011;25ML Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Nov 17 8:05 2022 Quant Results File: 82605C.RES

Method : C:\HPCHEM\1\METHODS\C\202211\14-1045\82605C.M (RTE Integrator)
Title : EPA Method 8260C/D
Last Update : Thu Nov 17 08:03:26 2022
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : D:\DATA\OCT2022C\OCT16\16OCT26.D Vial: 26
Acq On : 16 Oct 2022 3:11 pm Operator: MGC
Sample : 2219286-ICV2 Inst : MS-V5
Misc : 1 ;2J16022;25ML Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Dec 1 9:36 2022 Quant Results File: 82605CX.RES

Quant Method : C:\HPCHEM\1...\82605CX.M (RTE Integrator)
Title : EPA Method 8260C/DX
Last Update : Thu Dec 01 09:35:24 2022
Response via : Initial Calibration
DataAcq Meth : 82605

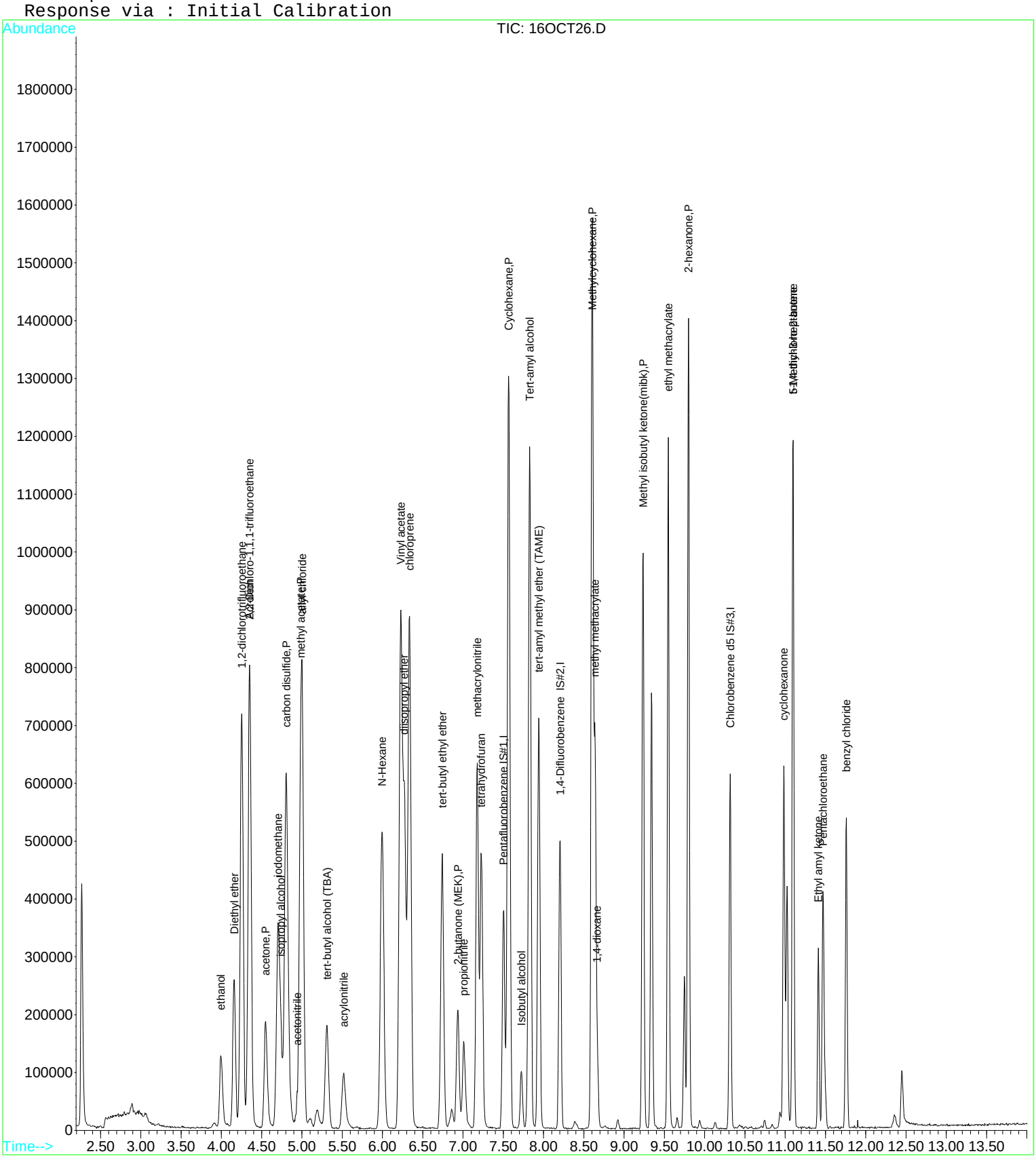
Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Pentafluorobenzene IS#1	7.50	137	48507	10.00	ug/L		0.00
29) 1,4-Difluorobenzene IS#2	8.20	63	94577	10.00	ug/L		0.00
36) Chlorobenzene d5 IS#3	10.32	119	113051	10.00	ug/L		0.00
Target Compounds							Qvalue
2) ethanol	3.99	45	200847	4348.83	ug/L		94
3) 2,2-Dichloro-1,1,1-trifluo	4.35	83	567103	25.72	ug/L		97
4) 1,2-dichlorotrifluoroethan	4.25	67	522131	25.14	ug/L		97
5) Diethyl ether	4.16	59	190680	24.60	ug/L		99
6) isopropyl alcohol	4.74	45	189293	830.78	ug/L		86
7) Acrolein	4.36	56	177262	199.42	ug/L		93
8) acetone	4.55	43	358611	328.52	ug/L		98
9) tert-butyl alcohol (TBA)	5.31	59	326503	855.61	ug/L		100
10) acetonitrile	4.94	41	67656	151.78	ug/L	#	14
11) methyl acetate	4.98	43	803609	256.70	ug/L		96
12) allyl chloride	5.01	41	893996	29.95	ug/L		99
13) iodomethane	4.70	142	659426	32.41	ug/L		99
14) acrylonitrile	5.52	53	137999	83.78	ug/L		99
15) carbon disulfide	4.81	76	1499809	31.70	ug/L		98
16) N-Hexane	5.99	57	426800	25.09	ug/L		99
17) diisopropyl ether	6.27	87	183918	16.15	ug/L		93
18) Vinyl acetate	6.22	43	2277148	154.67	ug/L		97
19) chloroprene	6.34	53	873997	32.04	ug/L		98
20) tert-butyl ethyl ether	6.74	59	558127	16.56	ug/L		98
21) 2-butanone (MEK)	6.93	43	328437	161.43	ug/L		98
22) propionitrile	7.01	54	230766	415.25	ug/L		97
23) Isobutyl alcohol	7.73	43	76304	400.54	ug/L		96
24) methacrylonitrile	7.18	67	326320	165.54	ug/L		99
25) Tert-amyl alcohol	7.83	59	801069	2642.75	ug/L		94
26) tetrahydrofuran	7.22	42	440905	323.55	ug/L		99
27) Cyclohexane	7.57	56	802717	26.11	ug/L		96
28) tert-amyl methyl ether (TA	7.95	73	394072	16.32	ug/L		99
30) methyl methacrylate	8.64	69	293383	81.18	ug/L		85
31) Methylcyclohexane	8.61	55	592730	25.35	ug/L		95
32) 1,4-dioxane	8.67	88	74181	2258.68	ug/L		97
33) Methyl isobutyl ketone(mib	9.24	43	720367	165.97	ug/L		96
34) ethyl methacrylate	9.55	69	625847	83.94	ug/L		98
35) 2-hexanone	9.80	43	920894	333.75	ug/L		96
37) 5-Methyl-3-heptanone	11.10	43	217626	51.09	ug/L		99
38) cyclohexanone	10.98	55	296531	439.71	ug/L		98
39) t-1,4-dichloro-2-butene	11.09	75	157944	86.63	ug/L		97
40) Ethyl amyl ketone	11.41	57	86402	26.03	ug/L		99
41) Pentachloroethane	11.47	167	76863	11.29	ug/L		97
42) benzyl chloride	11.76	91	410291	33.27	ug/L		98

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

Quantitation Report

Data File : D:\DATA\OCT2022C\OCT16\16OCT26.D Vial: 26
Acq On : 16 Oct 2022 3:11 pm Operator: MGC
Sample : 2219286-ICV2 Inst : MS-V5
Misc : 1 ;2J16022;25ML Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Dec 1 9:36 2022 Quant Results File: 82605CX.RES

Method : C:\HPCHEM\1\METHODS\C\202210\16-1301\82605CX.M (RTE Integrator)
Title : EPA Method 8260C/DX
Last Update : Thu Dec 01 09:35:24 2022
Response via : Initial Calibration



Raw Data - ICB

Quantitation Report (QT Reviewed)

Data File : D:\DATA\NOV2022C\NOV14\14NOV13.D Vial: 13
Acq On : 14 Nov 2022 1:09 pm Operator: mgc
Sample : 2221072-ICB1 Inst : MS-V5
Misc : 1 ;2I30001;25ML Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Nov 17 8:07 2022 Quant Results File: 82605C.RES

Quant Method : C:\HPCHEM\1...\82605C.M (RTE Integrator)
Title : EPA Method 8260C/D
Last Update : Thu Nov 17 08:03:26 2022
Response via : Initial Calibration
DataAcq Meth : 82605

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene IS#1	7.50	137	54655	10.00	ug/L	0.00
26) 1,4-Difluorobenzene IS#2	8.20	63	110392	10.00	ug/L	0.00
41) Chlorobenzene d5 IS#3	10.31	119	125016	10.00	ug/L	0.00
System Monitoring Compounds						
23) 1,2-dichloroethane d4 SMC	7.81	65	108872	10.00	ug/L	0.00
Spiked Amount 10.000	Range 75 - 125		Recovery = 100.00%			
33) Toluene d8 SMC#2	9.34	98	571530	9.86	ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 98.60%			
51) Bromofluorobenzene SMC#3	11.02	95	157055	9.82	ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 98.20%			

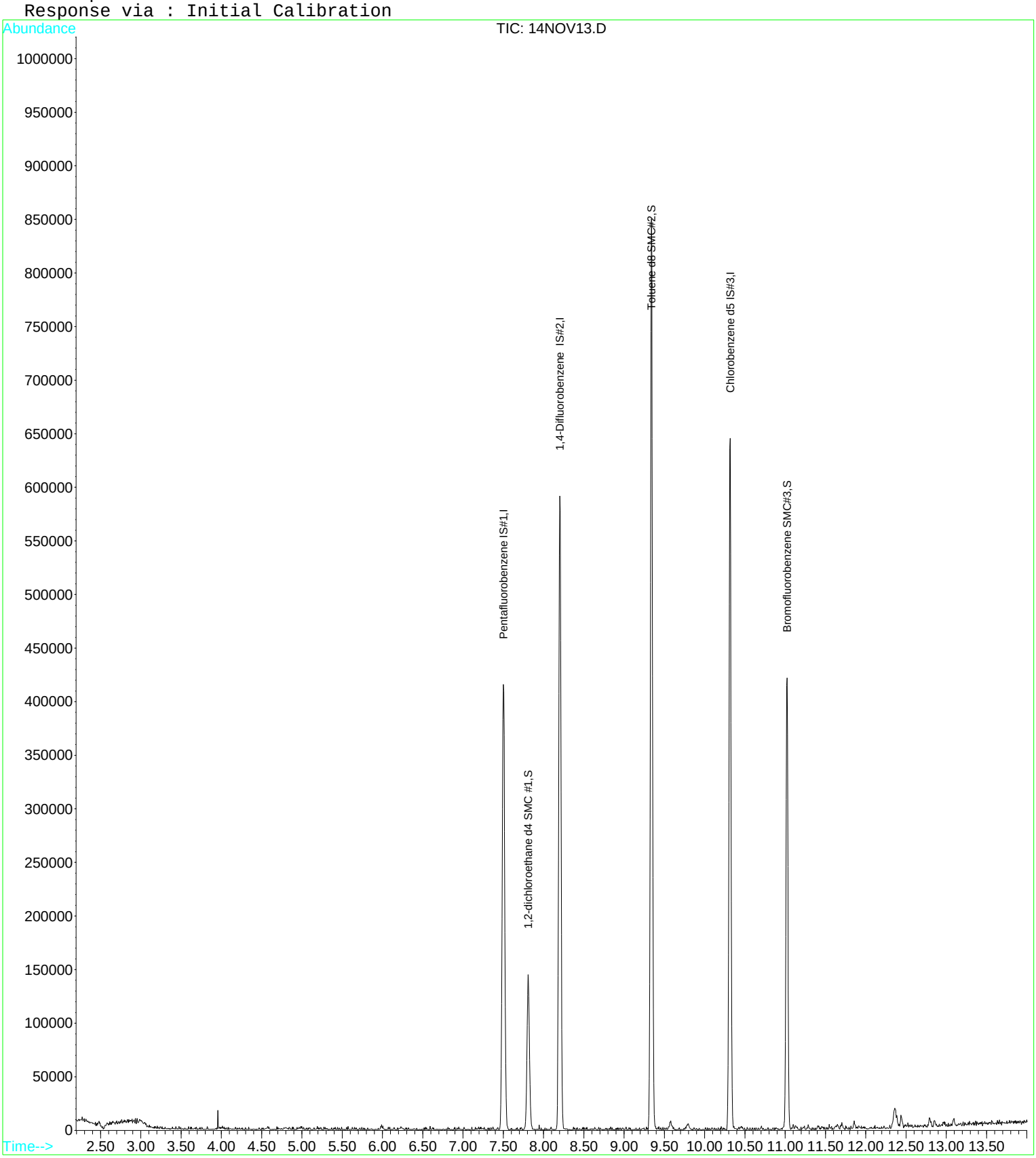
Target Compounds Qvalue

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

Quantitation Report

Data File : D:\DATA\NOV2022C\NOV14\14NOV13.D Vial: 13
Acq On : 14 Nov 2022 1:09 pm Operator: mgc
Sample : 2221072-ICB1 Inst : MS-V5
Misc : 1 ;2I30001;25ML Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Nov 17 8:07 2022 Quant Results File: 82605C.RES

Method : C:\HPCHEM\1\METHODS\C\202211\14-1045\82605C.M (RTE Integrator)
Title : EPA Method 8260C/D
Last Update : Thu Nov 17 08:03:26 2022
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : D:\DATA\OCT2022C\OCT16\16OCT28.D Vial: 28
Acq On : 16 Oct 2022 3:59 pm Operator: MGC
Sample : 2219286-ICB2 Inst : MS-V5
Misc : 1 ;2I30001;25ML Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Dec 1 9:37 2022 Quant Results File: 82605CX.RES

Quant Method : C:\HPCHEM\1...\82605CX.M (RTE Integrator)
Title : EPA Method 8260C/DX
Last Update : Thu Dec 01 09:35:24 2022
Response via : Initial Calibration
DataAcq Meth : 82605

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene IS#1	7.50	137	50871	10.00	ug/L	0.00
29) 1,4-Difluorobenzene IS#2	8.21	63	100099	10.00	ug/L	0.00
36) Chlorobenzene d5 IS#3	10.32	119	116345	10.00	ug/L	0.00

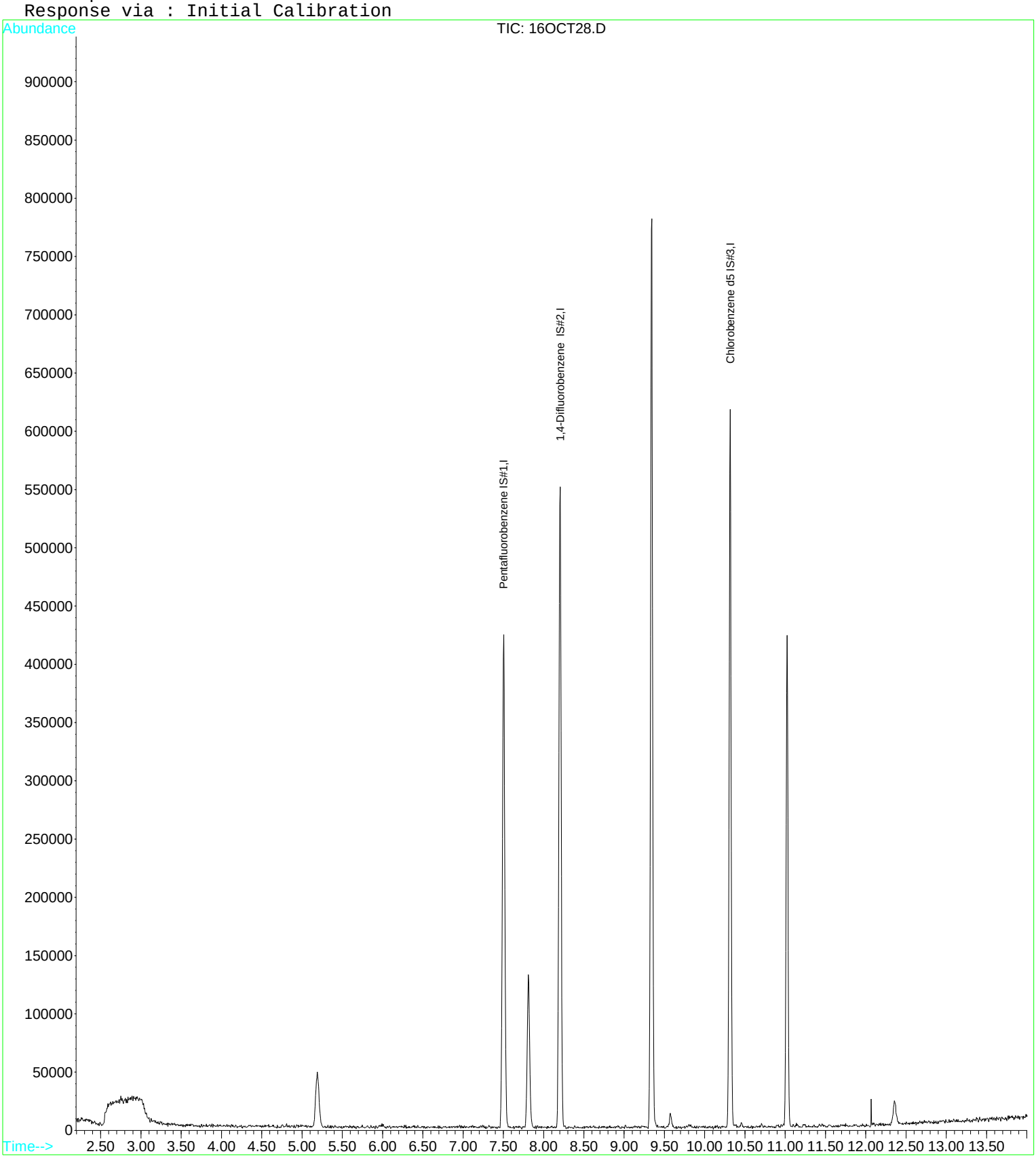
Target Compounds Qvalue

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

Quantitation Report

Data File : D:\DATA\OCT2022C\OCT16\16OCT28.D Vial: 28
Acq On : 16 Oct 2022 3:59 pm Operator: MGC
Sample : 2219286-ICB2 Inst : MS-V5
Misc : 1 ;2I30001;25ML Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Dec 1 9:37 2022 Quant Results File: 82605CX.RES

Method : C:\HPCHEM\1\METHODS\C\202210\16-1301\82605CX.M (RTE Integrator)
Title : EPA Method 8260C/DX
Last Update : Thu Dec 01 09:35:24 2022
Response via : Initial Calibration



Raw Data - CCV

Quantitation Report (QT Reviewed)

Data File : D:\DATA\DEC2022C\DEC13\13DEC02.D Vial: 2
Acq On : 13 Dec 2022 6:08 am Operator: mgc
Sample : 2222745-CCV1 Inst : MS-V5
Misc : 1 ;2K14022;25ML Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Dec 14 12:15 2022 Quant Results File: 82605C.RES

Quant Method : C:\HPCHEM\1...\82605C.M (RTE Integrator)
Title : EPA Method 8260C/D
Last Update : Thu Nov 17 08:03:26 2022
Response via : Initial Calibration
DataAcq Meth : 82605

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Pentafluorobenzene IS#1	7.51	137	56214	10.00	ug/L		0.00
26) 1,4-Difluorobenzene IS#2	8.20	63	111563	10.00	ug/L		0.00
41) Chlorobenzene d5 IS#3	10.32	119	140948	10.00	ug/L		0.00
System Monitoring Compounds							
23) 1,2-dichloroethane d4 SMC	7.81	65	129115	11.53	ug/L		0.00
Spiked Amount 10.000	Range 75 - 125		Recovery = 115.30%				
33) Toluene d8 SMC#2	9.34	98	593009	10.12	ug/L		0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 101.20%				
51) Bromofluorobenzene SMC#3	11.02	95	182257	10.11	ug/L		0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 101.10%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	2.32	85	612848	23.92	ug/L		98
3) Chlorodifluoromethane	2.34	51	14022	23.90	ug/L		99
4) Chloromethane	2.57	50	471388	17.40	ug/L		98
5) Vinyl chloride	2.73	62	445554	20.27	ug/L		98
6) Bromomethane	3.22	94	220214	15.96	ug/L	#	97
7) Chloroethane	3.39	64	365570	21.22	ug/L		99
8) Dichlorofluoromethane	3.71	67	480026	23.74	ug/L		100
9) Trichlorofluoromethane	3.76	101	832354	28.55	ug/L		100
10) 1,1,2-Trichloro-1,2,2-trif	4.51	101	449849	25.01	ug/L		96
11) 1,1-Dichloroethene	4.50	61	788917	24.92	ug/L		95
12) Methylene chloride	5.19	84	357475	21.66	ug/L		98
13) MTBE	5.55	73	647039	25.09	ug/L		97
14) T-1,2-dichloroethene	5.58	96	467441	23.02	ug/L		96
15) 1,1-Dichloroethane	6.23	63	867829	22.77	ug/L		99
16) 2,2-Dichloropropane	6.96	77	745963	26.34	ug/L		90
17) Cis-1,2-dichloroethene	6.96	96	474539	22.80	ug/L		97
18) Bromochloromethane	7.22	128	165203	25.50	ug/L		95
19) Chloroform	7.32	83	772203	25.26	ug/L		98
20) 1,1,1-Trichloroethane	7.49	97	781235	27.00	ug/L		91
21) 1,1-Dichloropropene	7.65	75	652853	24.95	ug/L		99
22) Carbon tetrachloride	7.65	119	557814	27.02	ug/L		99
24) 1,2-Dichloroethane	7.88	62	431498	28.45	ug/L		97
25) Benzene	7.84	78	1610176	21.29	ug/L		96
27) Trichloroethene	8.41	130	501338	26.15	ug/L		100
28) 1,2-Dichloropropane	8.62	63	419954	23.31	ug/L		92
29) Dibromomethane	8.70	93	141029	25.91	ug/L		95
30) Bromodichloromethane	8.82	83	472903	27.96	ug/L		97
31) 2-ceve	9.01	63	202874	40.58	ug/L		98
32) Cis-1,3-dichloropropene	9.14	75	532145	25.19	ug/L		98
34) Toluene	9.39	92	1068485	24.39	ug/L		92
35) Trans-1,3-dichloropropene	9.54	75	366014	26.27	ug/L		97
36) 1,1,2-Trichloroethane	9.68	97	201819	24.71	ug/L		97
37) Tetrachloroethene (PCE)	9.75	166	463635	26.00	ug/L		99
38) 1,3-Dichloropropane	9.79	76	350211	24.73	ug/L		100
39) Dibromochloromethane	9.94	129	231946	28.06	ug/L		98
40) 1,2-Dibromoethane	10.03	107	186643	27.16	ug/L		99
42) Chlorobenzene	10.34	112	1065176	23.10	ug/L		96
43) 1,1,1,2-Tetrachloroethane	10.38	131	328216	24.20	ug/L		99
44) Ethylbenzene	10.38	106	639224	22.90	ug/L		76
45) P+m-Xylene	10.45	106	1452914	45.51	ug/L		83
46) O-Xylene	10.69	106	716904	22.91	ug/L		89
47) Styrene	10.70	104	1011764	23.38	ug/L		98
48) Bromoform	10.84	173	80314	22.95	ug/L		97
49) Isopropylbenzene	10.90	105	1851070	23.39	ug/L		91
50) 1,1,2,2-Tetrachloroethane	11.08	83	173008	22.67	ug/L		100

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

Quantitation Report (QT Reviewed)

Data File : D:\DATA\DEC2022C\DEC13\13DEC02.D Vial: 2
Acq On : 13 Dec 2022 6:08 am Operator: mgc
Sample : 2222745-CCV1 Inst : MS-V5
Misc : 1 ;2K14022;25ML Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Dec 14 12:15 2022 Quant Results File: 82605C.RES

Quant Method : C:\HPCHEM\1...\82605C.M (RTE Integrator)
Title : EPA Method 8260C/D
Last Update : Thu Nov 17 08:03:26 2022
Response via : Initial Calibration
DataAcq Meth : 82605

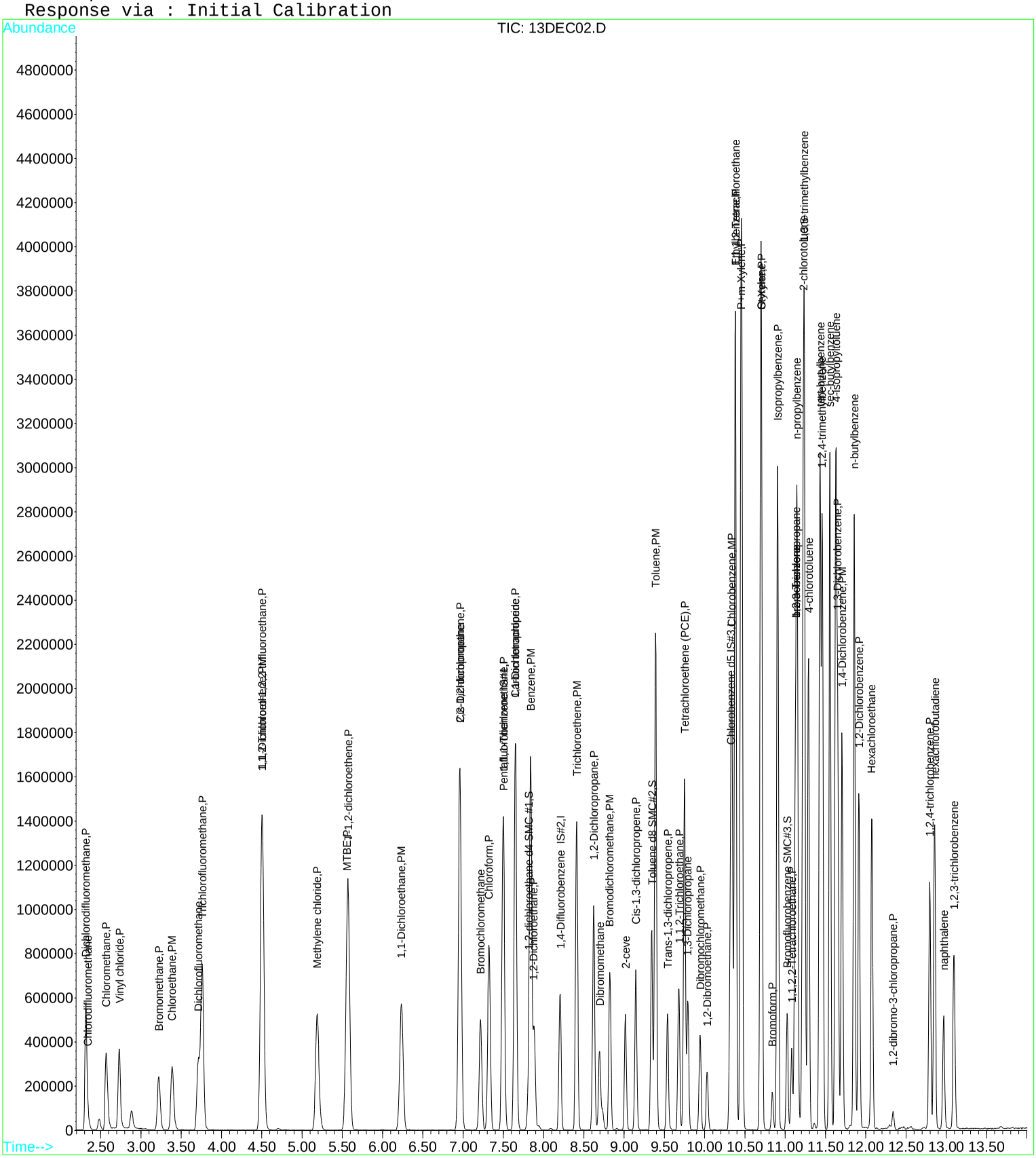
	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
52)	1,2,3-Trichloropropane	11.12	110	53800	27.23	ug/L		98
53)	n-propylbenzene	11.15	91	1991548	24.15	ug/L		91
54)	bromobenzene	11.12	156	372943	25.16	ug/L		97
55)	1,3,5-trimethylbenzene	11.24	105	1481749	24.35	ug/L		93
56)	2-chlorotoluene	11.22	91	1392542	23.93	ug/L		96
57)	4-chlorotoluene	11.29	91	1276215	24.91	ug/L		96
58)	tert-butylbenzene	11.43	119	1595813	24.58	ug/L		98
59)	1,2,4-trimethylbenzene	11.46	105	1465188	25.03	ug/L		91
60)	sec-butylbenzene	11.55	105	1913793	23.03	ug/L		92
61)	4-isopropyltoluene	11.63	119	1609695	25.16	ug/L		93
62)	1,3-Dichlorobenzene	11.65	146	759441	25.65	ug/L		99
63)	1,4-Dichlorobenzene	11.70	146	734248	25.90	ug/L		100
64)	n-butylbenzene	11.86	91	1447264	25.19	ug/L		95
65)	1,2-Dichlorobenzene	11.91	146	649877	26.32	ug/L		98
66)	Hexachloroethane	12.08	117	197079	20.22	ug/L	#	81
67)	1,2-dibromo-3-chloropropan	12.34	75	24512	27.28	ug/L		86
68)	1,2,4-trichlorobenzene	12.79	180	372871	28.31	ug/L		100
69)	hexachlorobutadiene	12.86	225	290650	30.09	ug/L		99
70)	naphthalene	12.97	128	448324	24.68	ug/L		100
71)	1,2,3-trichlorobenzene	13.10	180	284544	27.98	ug/L		99

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

Quantitation Report

Data File : D:\DATA\DEC2022C\DEC13\13DEC02.D Vial: 2
Acq On : 13 Dec 2022 6:08 am Operator: mgc
Sample : 2222745-CCV1 Inst : MS-V5
Misc : 1 ;2K14022;25ML Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Dec 14 12:15 2022 Quant Results File: 82605C.RES

Method : C:\HPCHEM\1\METHODS\C\202211\14-1045\82605C.M (RTE Integrator)
Title : EPA Method 8260C/D
Last Update : Thu Nov 17 08:03:26 2022
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : D:\DATA\DEC2022C\DEC13\13DEC03.D Vial: 3
Acq On : 13 Dec 2022 6:33 am Operator: mgc
Sample : 2222745-CCV2 Inst : MS-V5
Misc : 1 ;2K21028;25ML Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Dec 14 12:16 2022 Quant Results File: 82605CX.RES

Quant Method : C:\HPCHEM\1...\82605CX.M (RTE Integrator)
Title : EPA Method 8260C/DX
Last Update : Thu Dec 01 09:35:24 2022
Response via : Initial Calibration
DataAcq Meth : 82605

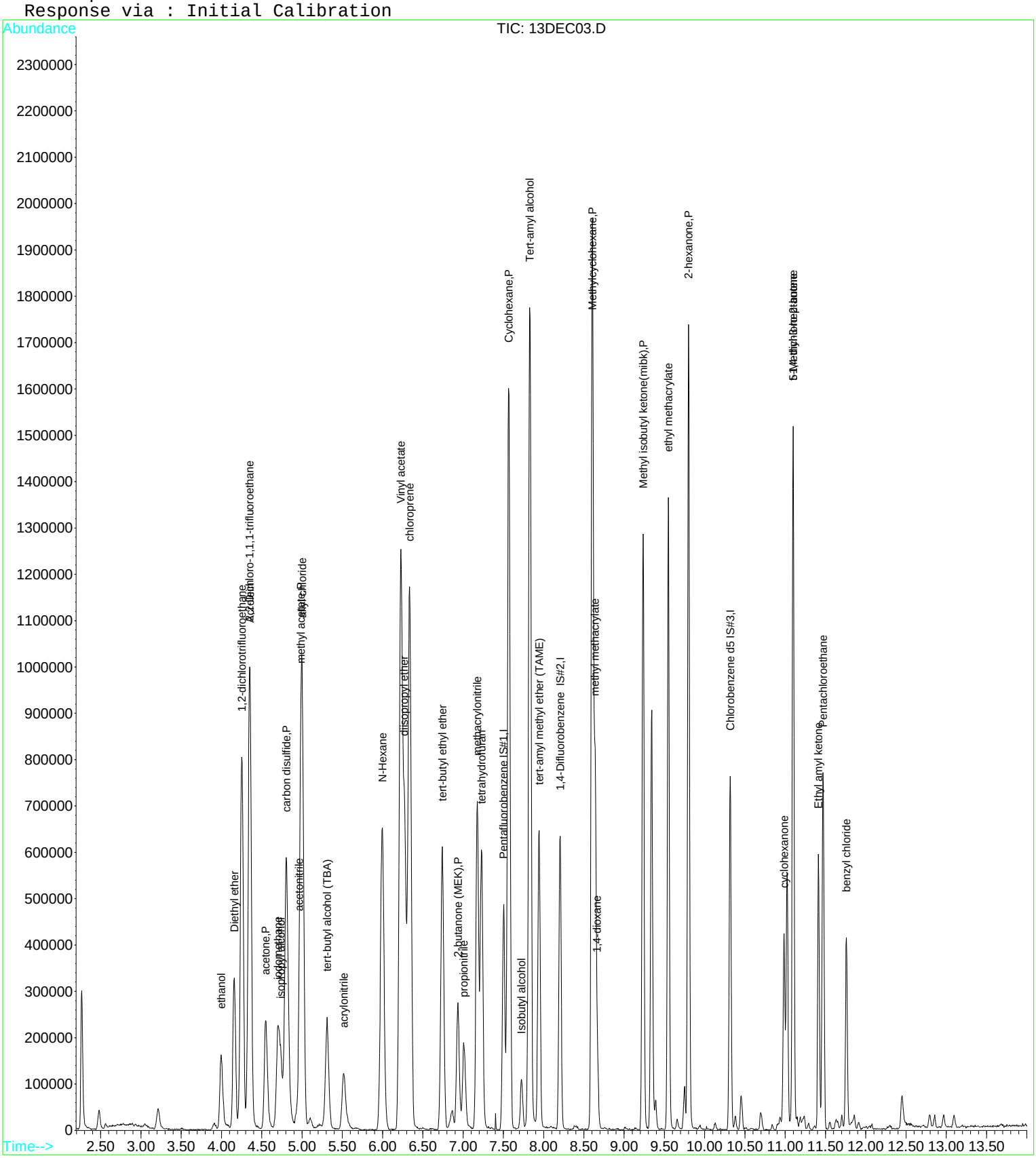
Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Pentafluorobenzene IS#1	7.50	137	58635	10.00	ug/L		0.00
29) 1,4-Difluorobenzene IS#2	8.21	63	117274	10.00	ug/L		0.00
36) Chlorobenzene d5 IS#3	10.32	119	146042	10.00	ug/L		0.00
Target Compounds							Qvalue
2) ethanol	4.00	45	243711	4365.46	ug/L		99
3) 2,2-Dichloro-1,1,1-trifluo	4.35	83	674319	25.30	ug/L		98
4) 1,2-dichlorotrifluoroethan	4.26	67	561710	22.37	ug/L		99
5) Diethyl ether	4.16	59	241532	25.77	ug/L		96
6) isopropyl alcohol	4.74	45	238271	865.11	ug/L	#	62
7) Acrolein	4.36	56	212977	198.21	ug/L		97
8) acetone	4.55	43	470475	356.55	ug/L		91
9) tert-butyl alcohol (TBA)	5.31	59	391851	849.49	ug/L		100
10) acetonitrile	4.96	41	97955m	181.80	ug/L		
11) methyl acetate	4.98	43	1071459	283.14	ug/L		93
12) allyl chloride	5.00	41	1213662	33.63	ug/L		95
13) iodomethane	4.70	142	389468	16.22	ug/L		95
14) acrylonitrile	5.52	53	171975	86.37	ug/L		99
15) carbon disulfide	4.81	76	1380215	24.13	ug/L		98
16) N-Hexane	5.99	57	518981	25.23	ug/L		95
17) diisopropyl ether	6.27	87	212349	15.43	ug/L		86
18) Vinyl acetate	6.23	43	3140547	176.47	ug/L		96
19) chloroprene	6.34	53	1193721	36.20	ug/L		90
20) tert-butyl ethyl ether	6.74	59	699351	17.17	ug/L		97
21) 2-butanone (MEK)	6.94	43	431163	175.32	ug/L		94
22) propionitrile	7.01	54	290991	433.18	ug/L		98
23) Isobutyl alcohol	7.72	43	88309	383.49	ug/L		94
24) methacrylonitrile	7.18	67	373745	156.85	ug/L		82
25) Tert-amyl alcohol	7.83	59	1140067	3111.46	ug/L		92
26) tetrahydrofuran	7.23	42	571469	346.92	ug/L		94
27) Cyclohexane	7.57	56	981070	26.40	ug/L		97
28) tert-amyl methyl ether (TA	7.94	73	480836	16.48	ug/L		99
30) methyl methacrylate	8.64	69	347457	77.54	ug/L		83
31) Methylcyclohexane	8.61	55	737875	25.45	ug/L		97
32) 1,4-dioxane	8.67	88	94205	2313.24	ug/L		96
33) Methyl isobutyl ketone(mib	9.24	43	922604	171.43	ug/L		93
34) ethyl methacrylate	9.55	69	709151	76.71	ug/L		98
35) 2-hexanone	9.80	43	1182480	345.61	ug/L		91
37) 5-Methyl-3-heptanone	11.10	43	297310	54.03	ug/L		96
38) cyclohexanone	10.98	55	195579	224.50	ug/L		99
39) t-1,4-dichloro-2-butene	11.09	75	135598	57.57	ug/L	#	72
40) Ethyl amyl ketone	11.41	57	165235	38.54	ug/L		97
41) Pentachloroethane	11.47	167	105975	12.05	ug/L		96
42) benzyl chloride	11.76	91	321875	20.20	ug/L		98

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

Quantitation Report

Data File : D:\DATA\DEC2022C\DEC13\13DEC03.D Vial: 3
Acq On : 13 Dec 2022 6:33 am Operator: mgc
Sample : 2222745-CCV2 Inst : MS-V5
Misc : 1 ;2K21028;25ML Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Dec 14 12:16 2022 Quant Results File: 82605CX.RES

Method : C:\HPCHEM\1\METHODS\C\202210\16-1301\82605CX.M (RTE Integrator)
Title : EPA Method 8260C/DX
Last Update : Thu Dec 01 09:35:24 2022
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : D:\DATA\DEC2022C\DEC13\13DEC29.D Vial: 29
Acq On : 13 Dec 2022 4:55 pm Operator: mgc
Sample : 2222745-CCV3 Inst : MS-V5
Misc : 1 ;2K14022;25ML Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Dec 15 5:22 2022 Quant Results File: 82605C.RES

Quant Method : C:\HPCHEM\1...\82605C.M (RTE Integrator)
Title : EPA Method 8260C/D
Last Update : Thu Nov 17 08:03:26 2022
Response via : Initial Calibration
DataAcq Meth : 82605

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene IS#1	7.50	137	76854	10.00	ug/L	0.00
26) 1,4-Difluorobenzene IS#2	8.20	63	146712	10.00	ug/L	0.00
41) Chlorobenzene d5 IS#3	10.31	119	182144	10.00	ug/L	0.00
System Monitoring Compounds						
23) 1,2-dichloroethane d4 SMC	7.81	65	148967	9.73	ug/L	0.00
Spiked Amount 10.000	Range 75 - 125		Recovery = 97.30%			
33) Toluene d8 SMC#2	9.34	98	779396	10.12	ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 101.20%			
51) Bromofluorobenzene SMC#3	11.02	95	229630	9.85	ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 98.50%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.31	85	726754	20.75	ug/L	99
3) Chlorodifluoromethane	2.33	51	15267	19.10	ug/L	69
4) Chloromethane	2.57	50	650685	17.57	ug/L	98
5) Vinyl chloride	2.73	62	645731	21.48	ug/L	99
6) Bromomethane	3.22	94	255147	13.53	ug/L	100
7) Chloroethane	3.39	64	491908	20.89	ug/L	99
8) Dichlorofluoromethane	3.71	67	610607	22.09	ug/L	100
9) Trichlorofluoromethane	3.76	101	992627	24.91	ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	4.51	101	572038	23.26	ug/L	95
11) 1,1-Dichloroethene	4.50	61	978433	22.61	ug/L	99
12) Methylene chloride	5.19	84	482817	21.40	ug/L	98
13) MTBE	5.56	73	818056	23.20	ug/L	97
14) T-1,2-dichloroethene	5.57	96	642744	23.16	ug/L	98
15) 1,1-Dichloroethane	6.23	63	1106912	21.24	ug/L	98
16) 2,2-Dichloropropane	6.96	77	824310	21.29	ug/L	96
17) Cis-1,2-dichloroethene	6.95	96	628434	22.09	ug/L	98
18) Bromochloromethane	7.22	128	218670	24.69	ug/L	92
19) Chloroform	7.32	83	961026	22.99	ug/L	98
20) 1,1,1-Trichloroethane	7.49	97	934966	23.64	ug/L	89
21) 1,1-Dichloropropene	7.65	75	834499	23.33	ug/L	99
22) Carbon tetrachloride	7.65	119	641840	22.74	ug/L	99
24) 1,2-Dichloroethane	7.88	62	502687	24.24	ug/L	98
25) Benzene	7.83	78	2071897	20.04	ug/L	97
27) Trichloroethene	8.41	130	695235	27.58	ug/L	98
28) 1,2-Dichloropropane	8.62	63	546271	23.05	ug/L	98
29) Dibromomethane	8.70	93	183109	25.58	ug/L	94
30) Bromodichloromethane	8.82	83	554361	24.93	ug/L	98
31) 2-ceve	9.01	63	503788	76.63	ug/L	96
32) Cis-1,3-dichloropropene	9.14	75	651645	23.45	ug/L	99
34) Toluene	9.39	92	1381564	23.99	ug/L	95
35) Trans-1,3-dichloropropene	9.54	75	441423	24.09	ug/L	100
36) 1,1,2-Trichloroethane	9.67	97	269363	25.08	ug/L	98
37) Tetrachloroethene (PCE)	9.75	166	618655	26.38	ug/L	98
38) 1,3-Dichloropropane	9.79	76	452076	24.27	ug/L	99
39) Dibromochloromethane	9.94	129	278572	25.62	ug/L	98
40) 1,2-Dibromoethane	10.03	107	237472	26.27	ug/L	96
42) Chlorobenzene	10.33	112	1386616	23.27	ug/L	96
43) 1,1,1,2-Tetrachloroethane	10.38	131	401899	22.93	ug/L	99
44) Ethylbenzene	10.38	106	853577	23.67	ug/L	87
45) P+m-Xylene	10.45	106	1867782	45.28	ug/L	91
46) O-Xylene	10.69	106	953834	23.59	ug/L	95
47) Styrene	10.70	104	1339256	23.95	ug/L	96
48) Bromoform	10.84	173	94489	21.09	ug/L	99
49) Isopropylbenzene	10.90	105	2318718	22.67	ug/L	95
50) 1,1,2,2-Tetrachloroethane	11.08	83	221660	22.48	ug/L	96

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

Quantitation Report (QT Reviewed)

Data File : D:\DATA\DEC2022C\DEC13\13DEC29.D Vial: 29
Acq On : 13 Dec 2022 4:55 pm Operator: mgc
Sample : 2222745-CCV3 Inst : MS-V5
Misc : 1 ;2K14022;25ML Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Dec 15 5:22 2022 Quant Results File: 82605C.RES

Quant Method : C:\HPCHEM\1...\82605C.M (RTE Integrator)
Title : EPA Method 8260C/D
Last Update : Thu Nov 17 08:03:26 2022
Response via : Initial Calibration
DataAcq Meth : 82605

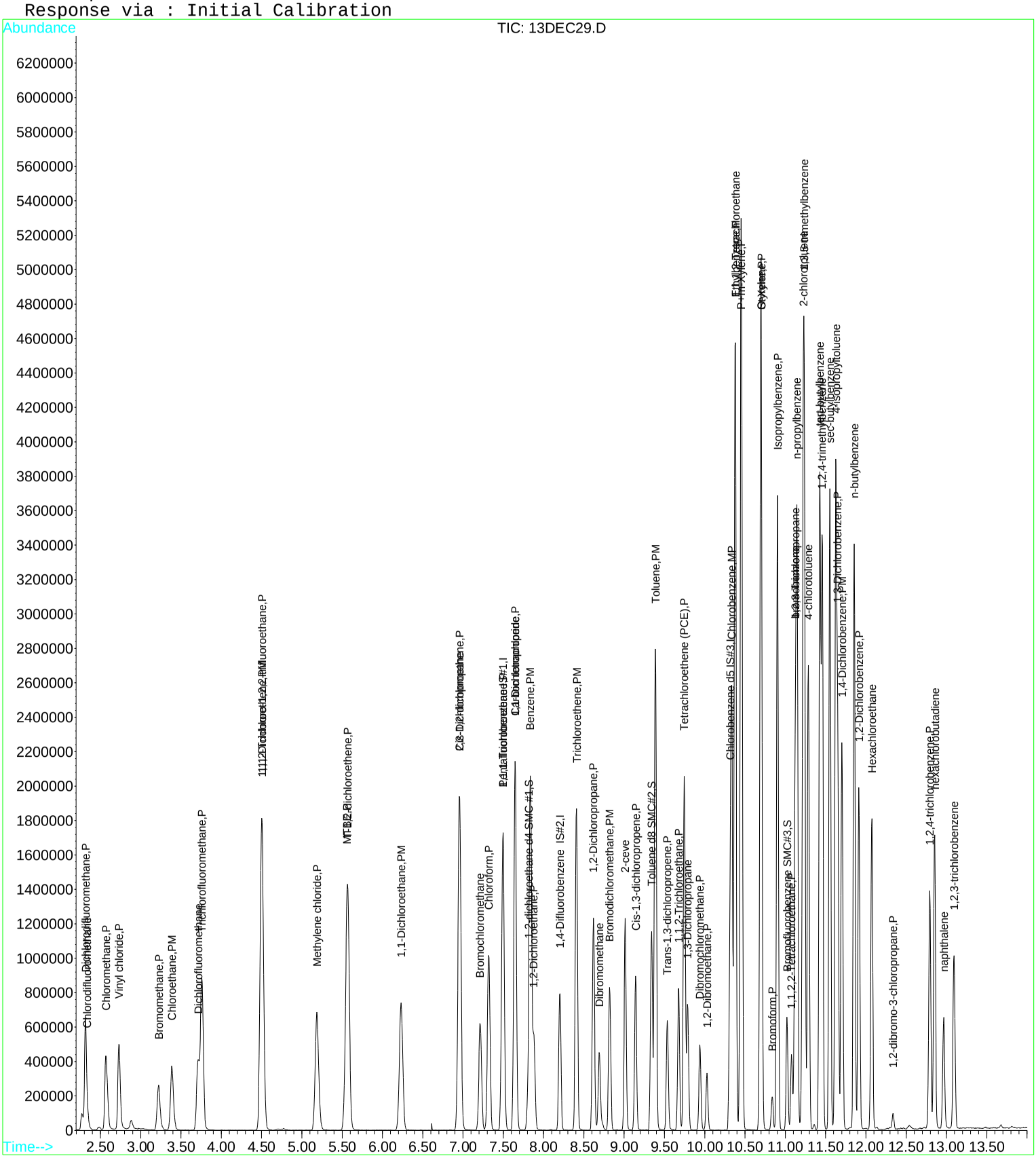
	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
52)	1,2,3-Trichloropropane	11.12	110	67224	26.33	ug/L		99
53)	n-propylbenzene	11.14	91	2426317	22.45	ug/L		94
54)	bromobenzene	11.12	156	498134	26.00	ug/L		93
55)	1,3,5-trimethylbenzene	11.24	105	1855674	23.60	ug/L		96
56)	2-chlorotoluene	11.22	91	1758940	23.39	ug/L		98
57)	4-chlorotoluene	11.29	91	1607612	24.28	ug/L		98
58)	tert-butylbenzene	11.43	119	2064925	24.62	ug/L		96
59)	1,2,4-trimethylbenzene	11.46	105	1834924	24.26	ug/L		95
60)	sec-butylbenzene	11.55	105	2383786	22.20	ug/L		95
61)	4-isopropyltoluene	11.62	119	2010472	24.32	ug/L		95
62)	1,3-Dichlorobenzene	11.65	146	1014415	26.51	ug/L		96
63)	1,4-Dichlorobenzene	11.70	146	972161	26.54	ug/L		96
64)	n-butylbenzene	11.86	91	1769714	23.84	ug/L		97
65)	1,2-Dichlorobenzene	11.91	146	861644	27.00	ug/L		96
66)	Hexachloroethane	12.08	117	232756	18.65	ug/L	#	71
67)	1,2-dibromo-3-chloropropan	12.33	75	26968	23.59	ug/L		94
68)	1,2,4-trichlorobenzene	12.79	180	489547	28.76	ug/L		100
69)	hexachlorobutadiene	12.85	225	368731	29.54	ug/L		99
70)	naphthalene	12.97	128	582419	24.81	ug/L		100
71)	1,2,3-trichlorobenzene	13.09	180	372822	28.36	ug/L		99

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

Quantitation Report

Data File : D:\DATA\DEC2022C\DEC13\13DEC29.D Vial: 29
Acq On : 13 Dec 2022 4:55 pm Operator: mgc
Sample : 2222745-CCV3 Inst : MS-V5
Misc : 1 ;2K14022;25ML Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Dec 15 5:22 2022 Quant Results File: 82605C.RES

Method : C:\HPCHEM\1\METHODS\C\202211\14-1045\82605C.M (RTE Integrator)
Title : EPA Method 8260C/D
Last Update : Thu Nov 17 08:03:26 2022
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : D:\DATA\DEC2022C\DEC13\13DEC30.D Vial: 30
Acq On : 13 Dec 2022 5:19 pm Operator: mgc
Sample : 2222745-CCV4 Inst : MS-V5
Misc : 1 ;2K21028;25ML Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Dec 15 5:23 2022 Quant Results File: 82605CX.RES

Quant Method : C:\HPCHEM\1...\82605CX.M (RTE Integrator)
Title : EPA Method 8260C/DX
Last Update : Thu Dec 01 09:35:24 2022
Response via : Initial Calibration
DataAcq Meth : 82605

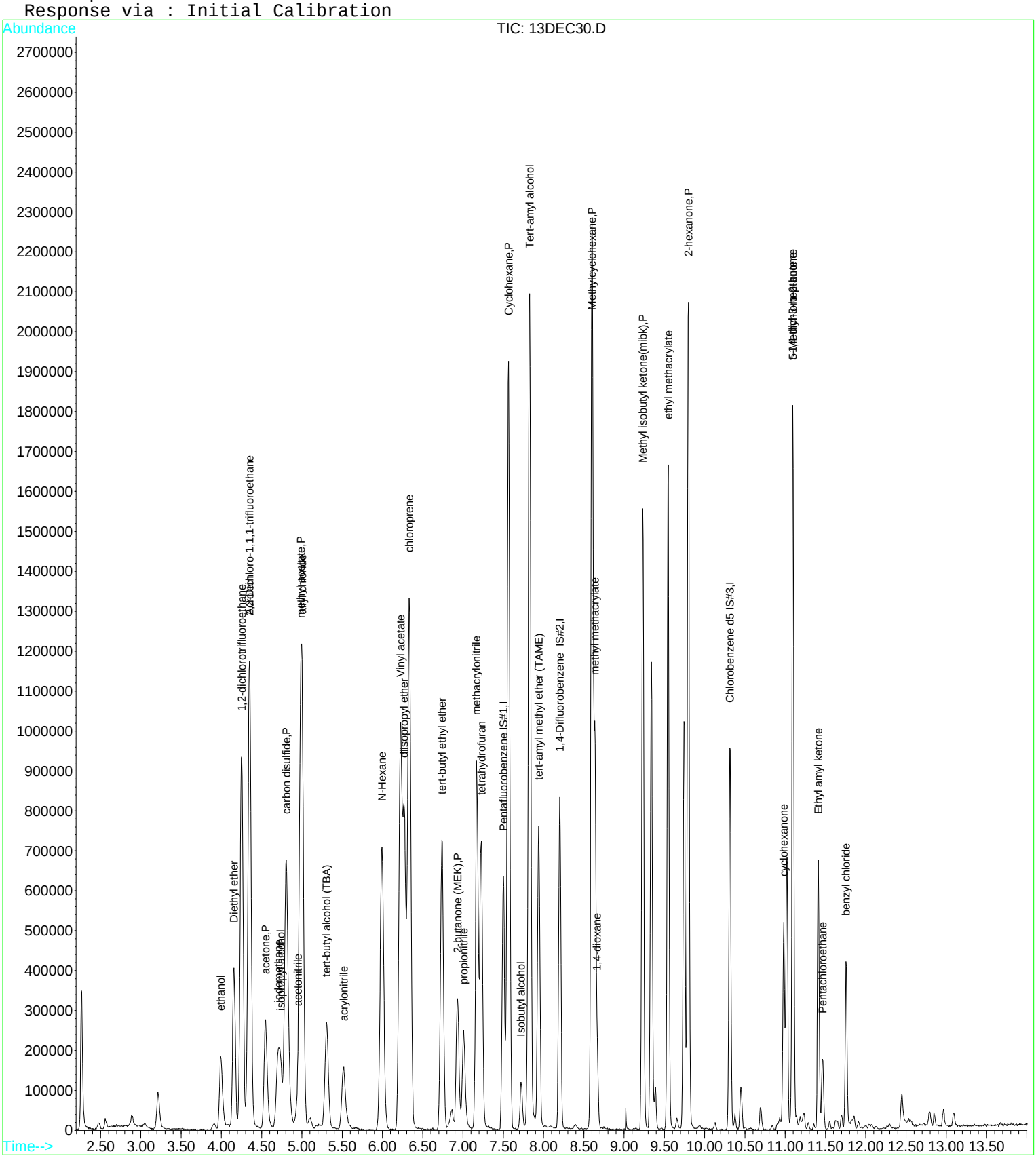
Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Pentafluorobenzene IS#1	7.51	137	79845	10.00	ug/L		0.00
29) 1,4-Difluorobenzene IS#2	8.20	63	148432	10.00	ug/L		0.00
36) Chlorobenzene d5 IS#3	10.32	119	188433	10.00	ug/L		0.00
Target Compounds							Qvalue
2) ethanol	3.99	45	293946	3866.62	ug/L		99
3) 2,2-Dichloro-1,1,1-trifluo	4.35	83	819947	22.59	ug/L		98
4) 1,2-dichlorotrifluoroethan	4.25	67	672707	19.68	ug/L		98
5) Diethyl ether	4.16	59	297296	23.30	ug/L		98
6) isopropyl alcohol	4.74	45	267870	714.22	ug/L	#	68
7) Acrolein	4.36	56	260288	177.90	ug/L		96
8) acetone	4.55	43	538979	299.96	ug/L		97
9) tert-butyl alcohol (TBA)	5.31	59	465646	741.32	ug/L		100
10) acetonitrile	4.94	41	117880	160.66	ug/L	#	7
11) methyl acetate	4.98	43	1337823	259.62	ug/L		96
12) allyl chloride	5.01	41	1338453	27.24	ug/L		99
13) iodomethane	4.70	142	333560	10.48	ug/L		98
14) acrylonitrile	5.51	53	221450	81.67	ug/L		99
15) carbon disulfide	4.81	76	1666375	21.39	ug/L		98
16) N-Hexane	5.99	57	585517	20.91	ug/L		99
17) diisopropyl ether	6.27	87	263163	14.04	ug/L		91
18) Vinyl acetate	6.22	43	2649504	109.33	ug/L		95
19) chloroprene	6.33	53	1339386	29.83	ug/L		97
20) tert-butyl ethyl ether	6.74	59	851566	15.35	ug/L		99
21) 2-butanone (MEK)	6.93	43	528865	157.92	ug/L		97
22) propionitrile	7.01	54	377514	412.69	ug/L		99
23) Isobutyl alcohol	7.73	43	97534	311.03	ug/L		96
24) methacrylonitrile	7.17	67	491200	151.38	ug/L		95
25) Tert-amyl alcohol	7.83	59	1334863	2675.34	ug/L		93
26) tetrahydrofuran	7.23	42	699295	311.75	ug/L		97
27) Cyclohexane	7.57	56	1175352	23.23	ug/L		96
28) tert-amyl methyl ether (TA	7.94	73	587326	14.78	ug/L		99
30) methyl methacrylate	8.64	69	447763	78.95	ug/L		91
31) Methylcyclohexane	8.60	55	862069	23.49	ug/L		97
32) 1,4-dioxane	8.67	88	123637	2398.66	ug/L		91
33) Methyl isobutyl ketone(mib	9.23	43	1108567	162.74	ug/L		96
34) ethyl methacrylate	9.55	69	886300	75.74	ug/L		98
35) 2-hexanone	9.80	43	1386250	320.12	ug/L		96
37) 5-Methyl-3-heptanone	11.10	43	359393	50.62	ug/L		98
38) cyclohexanone	10.98	55	245470	218.38	ug/L		96
39) t-1,4-dichloro-2-butene	11.10	75	163482	53.80	ug/L	#	78
40) Ethyl amyl ketone	11.41	57	200780	36.30	ug/L		98
41) Pentachloroethane	11.47	167	17696	1.56	ug/L		90
42) benzyl chloride	11.76	91	325982	15.86	ug/L		100

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

Quantitation Report

Data File : D:\DATA\DEC2022C\DEC13\13DEC30.D Vial: 30
Acq On : 13 Dec 2022 5:19 pm Operator: mgc
Sample : 2222745-CCV4 Inst : MS-V5
Misc : 1 ;2K21028;25ML Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Dec 15 5:23 2022 Quant Results File: 82605CX.RES

Method : C:\HPCHEM\1\METHODS\C\202210\16-1301\82605CX.M (RTE Integrator)
Title : EPA Method 8260C/DX
Last Update : Thu Dec 01 09:35:24 2022
Response via : Initial Calibration



Raw Data - CCB

Quantitation Report (QT Reviewed)

Data File : D:\DATA\DEC2022C\DEC13\13DEC04.D Vial: 4
Acq On : 13 Dec 2022 6:57 am Operator: mgc
Sample : 2222745-CCB1 Inst : MS-V5
Misc : 1 ;2I30001;25ML Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Dec 14 12:18 2022 Quant Results File: 82605C.RES

Quant Method : C:\HPCHEM\1...\82605C.M (RTE Integrator)
Title : EPA Method 8260C/D
Last Update : Thu Nov 17 08:03:26 2022
Response via : Initial Calibration
DataAcq Meth : 82605

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene IS#1	7.50	137	63710	10.00	ug/L	0.00
26) 1,4-Difluorobenzene IS#2	8.21	63	118278	10.00	ug/L	0.00
41) Chlorobenzene d5 IS#3	10.32	119	143098	10.00	ug/L	0.00
System Monitoring Compounds						
23) 1,2-dichloroethane d4 SMC	7.81	65	141800	11.18	ug/L	0.00
Spiked Amount 10.000	Range 75 - 125		Recovery = 111.80%			
33) Toluene d8 SMC#2	9.34	98	616579	9.93	ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 99.30%			
51) Bromofluorobenzene SMC#3	11.02	95	185414	10.13	ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 101.30%			

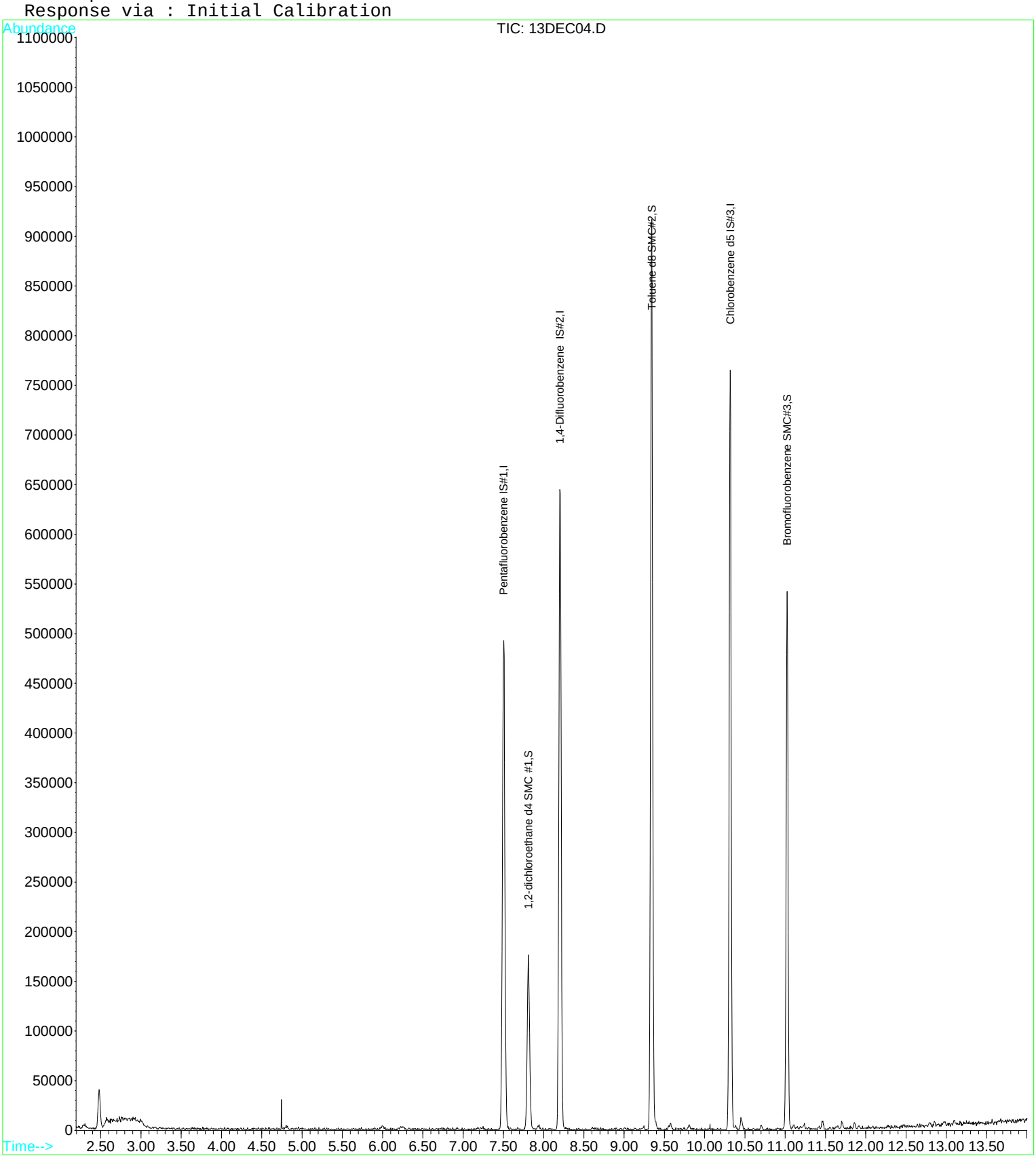
Target Compounds Qvalue

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

Quantitation Report

Data File : D:\DATA\DEC2022C\DEC13\13DEC04.D Vial: 4
Acq On : 13 Dec 2022 6:57 am Operator: mgc
Sample : 2222745-CCB1 Inst : MS-V5
Misc : 1 ;2I30001;25ML Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Dec 14 12:18 2022 Quant Results File: 82605C.RES

Method : C:\HPCHEM\1\METHODS\C\202211\14-1045\82605C.M (RTE Integrator)
Title : EPA Method 8260C/D
Last Update : Thu Nov 17 08:03:26 2022
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : D:\DATA\DEC2022C\DEC13\13DEC04.D Vial: 4
Acq On : 13 Dec 2022 6:57 am Operator: mgc
Sample : 2222745-CCB1 Inst : MS-V5
Misc : 1 ;2I30001;25ML Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Dec 14 12:19 2022 Quant Results File: 82605CX.RES

Quant Method : C:\HPCHEM\1...\82605CX.M (RTE Integrator)
Title : EPA Method 8260C/DX
Last Update : Thu Dec 01 09:35:24 2022
Response via : Initial Calibration
DataAcq Meth : 82605

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene IS#1	7.50	137	63710	10.00	ug/L	0.00
29) 1,4-Difluorobenzene IS#2	8.21	63	118278	10.00	ug/L	0.00
36) Chlorobenzene d5 IS#3	10.32	119	143098	10.00	ug/L	0.00

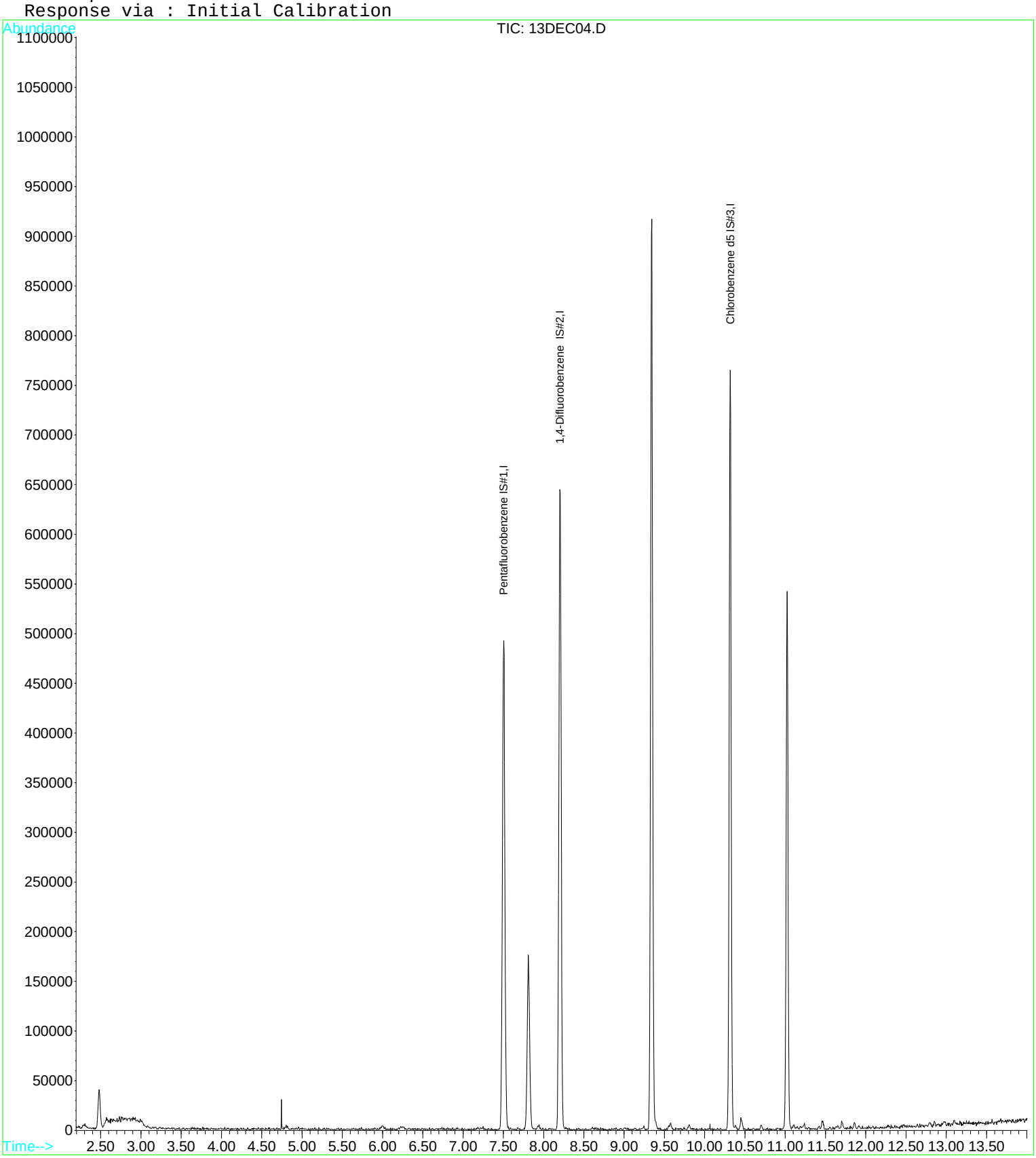
Target Compounds Qvalue

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

Quantitation Report

Data File : D:\DATA\DEC2022C\DEC13\13DEC04.D Vial: 4
Acq On : 13 Dec 2022 6:57 am Operator: mgc
Sample : 2222745-CCB1 Inst : MS-V5
Misc : 1 ;2I30001;25ML Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Dec 14 12:19 2022 Quant Results File: 82605CX.RES

Method : C:\HPCHEM\1\METHODS\C\202210\16-1301\82605CX.M (RTE Integrator)
Title : EPA Method 8260C/DX
Last Update : Thu Dec 01 09:35:24 2022
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : D:\DATA\DEC2022C\DEC13\13DEC31.D Vial: 31
Acq On : 13 Dec 2022 5:43 pm Operator: mgc
Sample : 2222745-CCB2 Inst : MS-V5
Misc : 1 ;2I30001;25ML Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Dec 15 5:24 2022 Quant Results File: 82605C.RES

Quant Method : C:\HPCHEM\1...\82605C.M (RTE Integrator)
Title : EPA Method 8260C/D
Last Update : Thu Nov 17 08:03:26 2022
Response via : Initial Calibration
DataAcq Meth : 82605

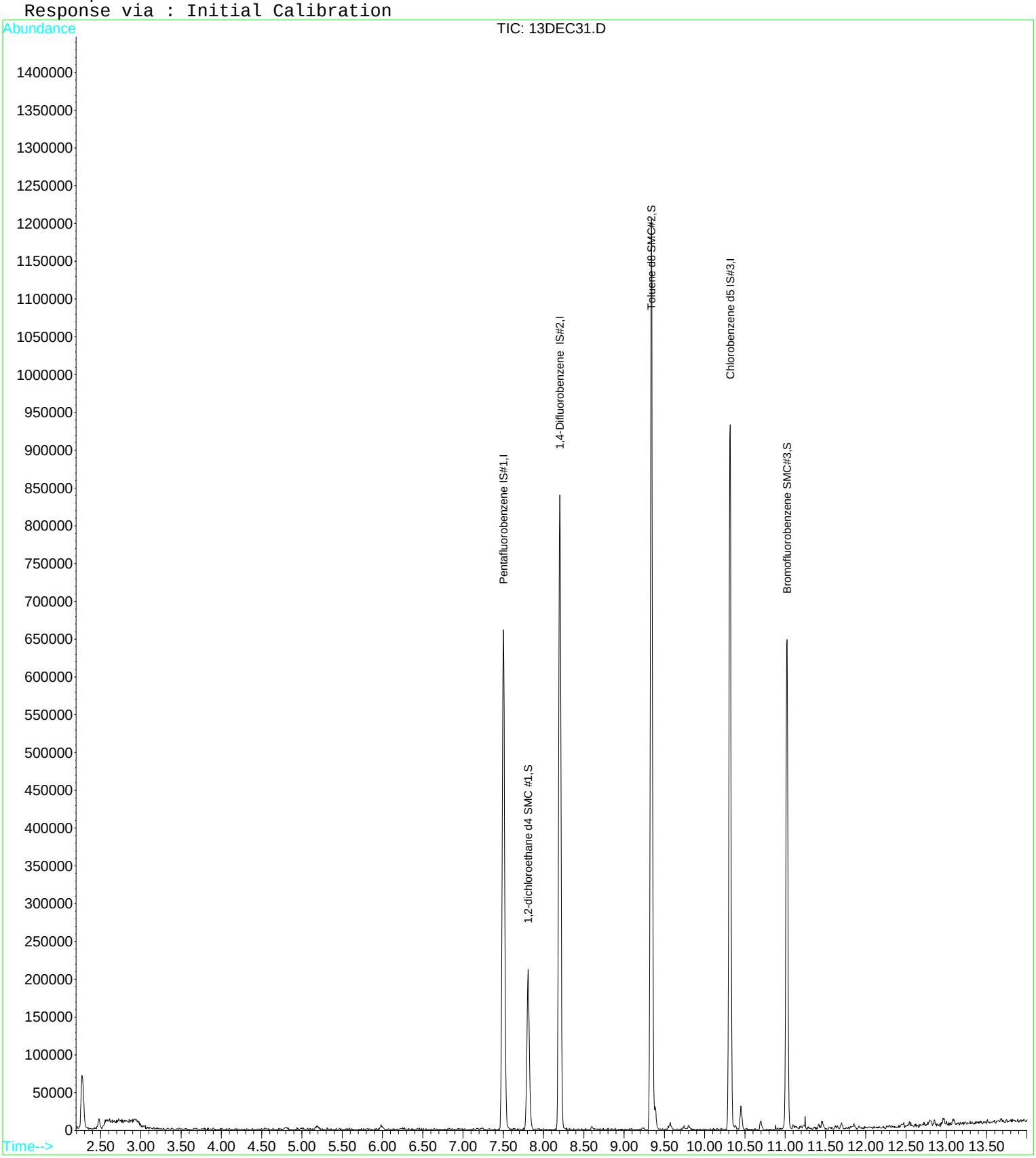
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene IS#1	7.50	137	86583	10.00	ug/L	0.00
26) 1,4-Difluorobenzene IS#2	8.20	63	152908	10.00	ug/L	0.00
41) Chlorobenzene d5 IS#3	10.32	119	187941	10.00	ug/L	0.00
System Monitoring Compounds						
23) 1,2-dichloroethane d4 SMC	7.81	65	159771	9.27	ug/L	0.00
Spiked Amount 10.000	Range 75 - 125		Recovery = 92.70%			
33) Toluene d8 SMC#2	9.34	98	811229	10.10	ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 101.00%			
51) Bromofluorobenzene SMC#3	11.02	95	236316	9.83	ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 98.30%			
Target Compounds						Qvalue

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

Quantitation Report

Data File : D:\DATA\DEC2022C\DEC13\13DEC31.D Vial: 31
Acq On : 13 Dec 2022 5:43 pm Operator: mgc
Sample : 2222745-CCB2 Inst : MS-V5
Misc : 1 ;2I30001;25ML Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Dec 15 5:24 2022 Quant Results File: 82605C.RES

Method : C:\HPCHEM\1\METHODS\C\202211\14-1045\82605C.M (RTE Integrator)
Title : EPA Method 8260C/D
Last Update : Thu Nov 17 08:03:26 2022
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : D:\DATA\DEC2022C\DEC13\13DEC31.D Vial: 31
Acq On : 13 Dec 2022 5:43 pm Operator: mgc
Sample : 2222745-CCB2 Inst : MS-V5
Misc : 1 ;2I30001;25ML Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Dec 15 5:24 2022 Quant Results File: 82605CX.RES

Quant Method : C:\HPCHEM\1...\82605CX.M (RTE Integrator)
Title : EPA Method 8260C/DX
Last Update : Thu Dec 01 09:35:24 2022
Response via : Initial Calibration
DataAcq Meth : 82605

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene IS#1	7.50	137	86583	10.00	ug/L	0.00
29) 1,4-Difluorobenzene IS#2	8.20	63	152908	10.00	ug/L	0.00
36) Chlorobenzene d5 IS#3	10.32	119	187941	10.00	ug/L	0.00

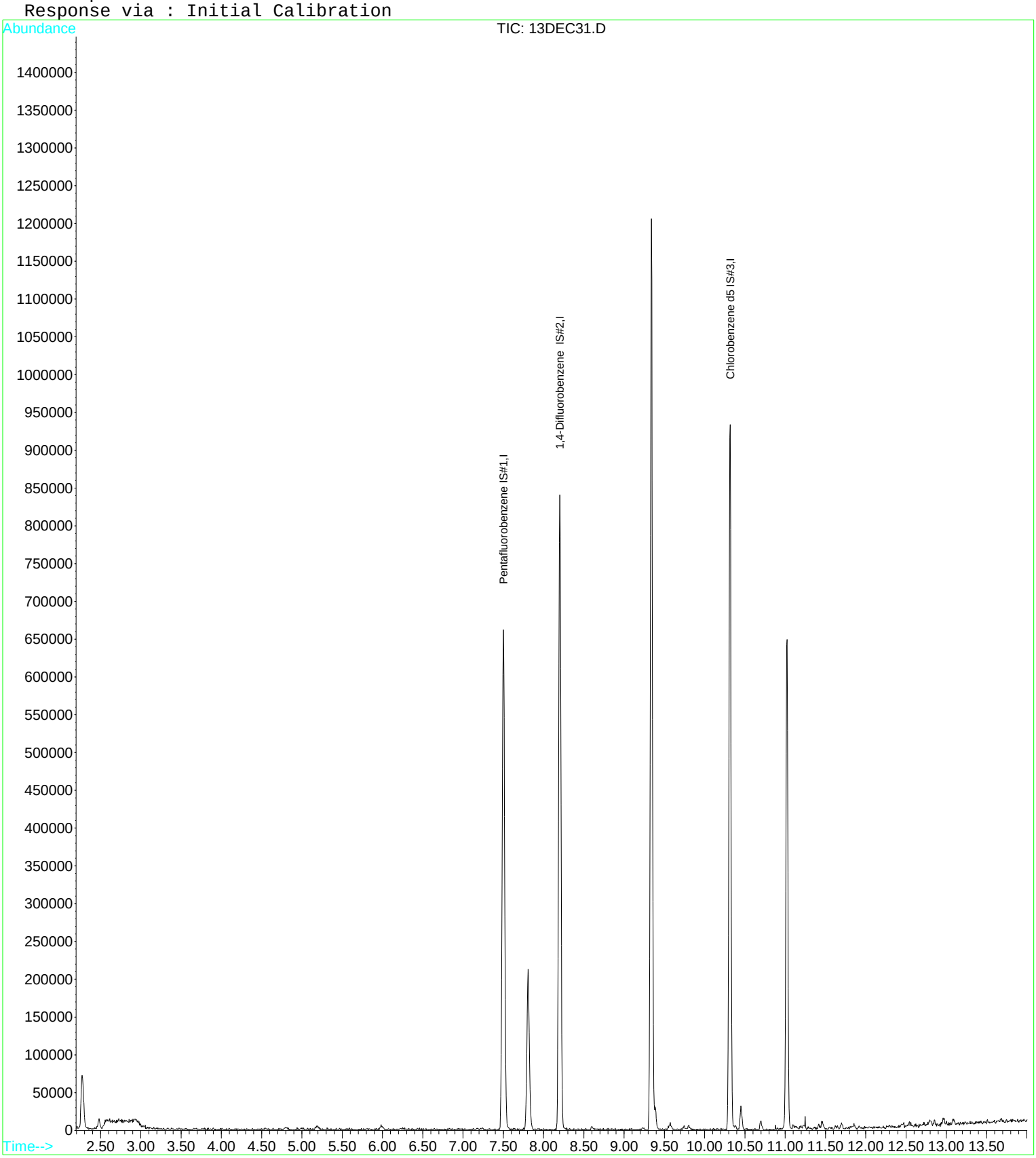
Target Compounds Qvalue

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

Quantitation Report

Data File : D:\DATA\DEC2022C\DEC13\13DEC31.D Vial: 31
Acq On : 13 Dec 2022 5:43 pm Operator: mgc
Sample : 2222745-CCB2 Inst : MS-V5
Misc : 1 ;2I30001;25ML Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Dec 15 5:24 2022 Quant Results File: 82605CX.RES

Method : C:\HPCHEM\1\METHODS\C\202210\16-1301\82605CX.M (RTE Integrator)
Title : EPA Method 8260C/DX
Last Update : Thu Dec 01 09:35:24 2022
Response via : Initial Calibration



Raw Data - Tune

Quantitation Report (QT Reviewed)

Data File : D:\DATA\DEC2022C\DEC13\13DEC01.D Vial: 1
Acq On : 13 Dec 2022 4:53 am Operator: mgc
Sample : 2222745-TUN1 Inst : MS-V5
Misc : 1 ;2I28012;50NG Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Dec 14 12:14 2022 Quant Results File: 82605C.RES

Quant Method : C:\HPCHEM\1...\82605C.M (RTE Integrator)
Title : EPA Method 8260C/D
Last Update : Thu Nov 17 08:03:26 2022
Response via : Initial Calibration
DataAcq Meth : 82605

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene IS#1	7.50	137	9753	10.00	ug/L	0.00
26) 1,4-Difluorobenzene IS#2	8.21	63	20689	10.00	ug/L	0.00
41) Chlorobenzene d5 IS#3	10.32	119	24326	10.00	ug/L	0.00
System Monitoring Compounds						
23) 1,2-dichloroethane d4 SMC	7.81	65	26227	13.50	ug/L	0.00
Spiked Amount 10.000	Range 75 - 125		Recovery = 135.00%#			
33) Toluene d8 SMC#2	9.34	98	108253	9.97	ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 99.70%			
51) Bromofluorobenzene SMC#3	11.03	95	28248	9.08	ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 90.80%			

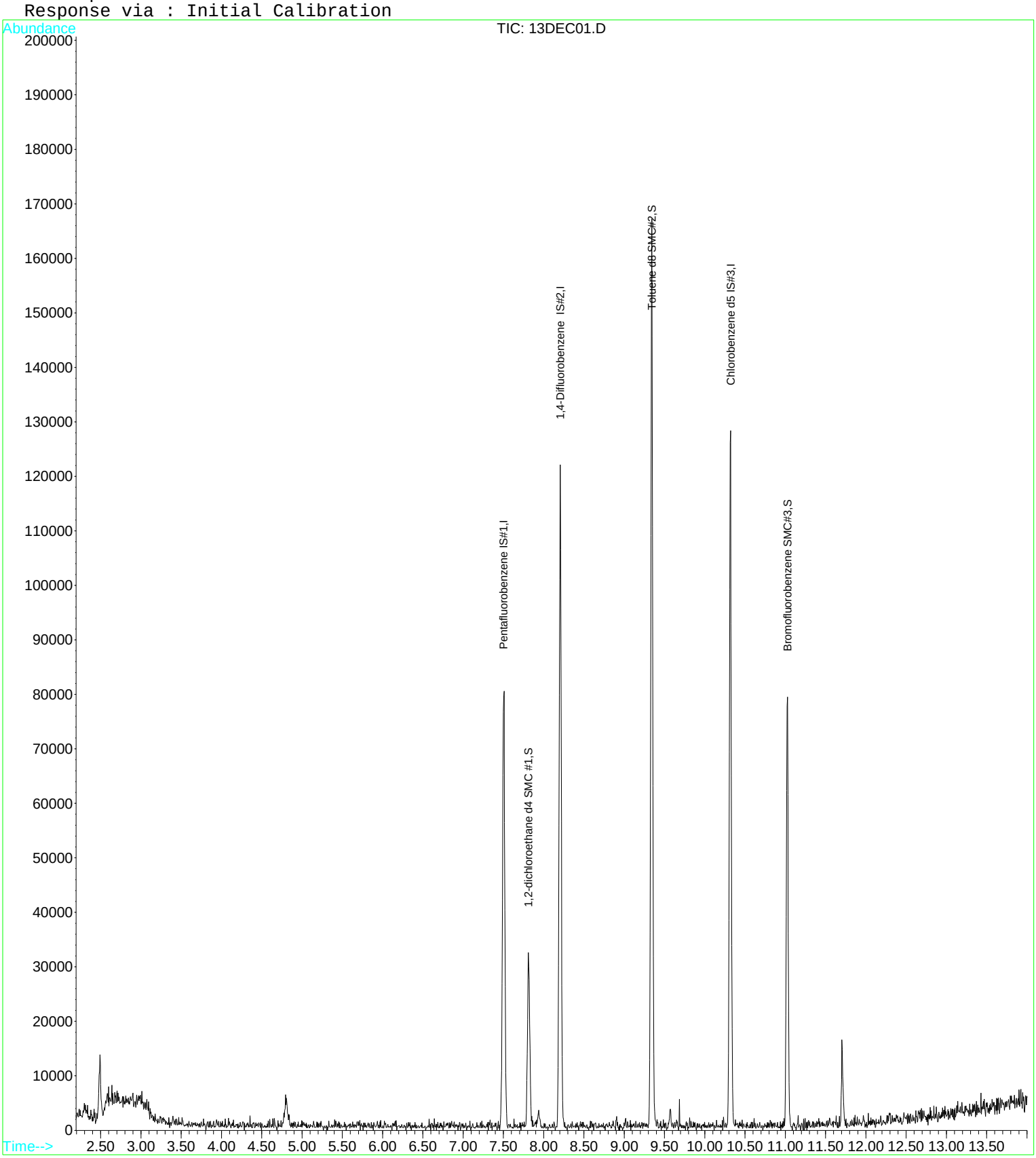
Target Compounds Qvalue

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

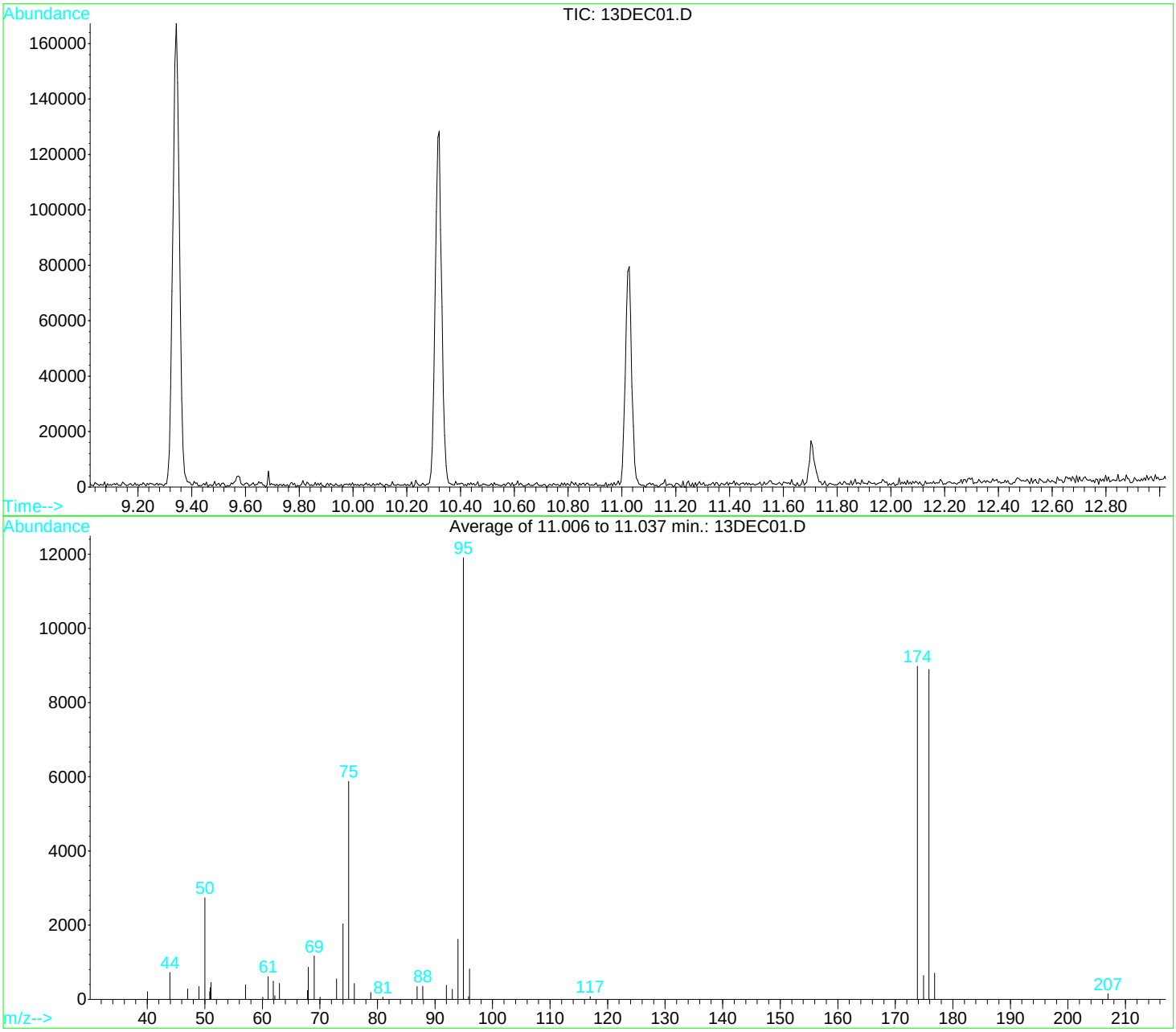
Quantitation Report

Data File : D:\DATA\DEC2022C\DEC13\13DEC01.D Vial: 1
Acq On : 13 Dec 2022 4:53 am Operator: mgc
Sample : 2222745-TUN1 Inst : MS-V5
Misc : 1 ;2I28012;50NG Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Dec 14 12:14 2022 Quant Results File: 82605C.RES

Method : C:\HPCHEM\1\METHODS\C\202211\14-1045\82605C.M (RTE Integrator)
Title : EPA Method 8260C/D
Last Update : Thu Nov 17 08:03:26 2022
Response via : Initial Calibration



Data File : D:\DATA\DEC2022C\DEC13\13DEC01.D Vial: 1
Acq On : 13 Dec 2022 4:53 am Operator: mgc
Sample : 2222745-TUN1 Inst : MS-V5
Misc : 1 ;2I28012;50NG Multiplr: 1.00
MS Integration Params: rteint.p
Method : C:\HPCHEM\1\METHODS\C\202211\14-1045\82605C.M (RTE Integrator)
Title : EPA Method 8260C/D



Spectrum Information: Average of 11.006 to 11.037 min.

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	23.0	2733	PASS
75	95	30	60	49.4	5880	PASS
95	95	100	100	100.0	11901	PASS
96	95	5	9	6.8	813	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	100	75.4	8974	PASS
175	174	5	9	7.1	641	PASS
176	174	95	101	99.1	8891	PASS
177	176	5	9	7.9	701	PASS

13DEC01.D 82605C.M Wed Dec 14 12:15:15 2022

Quantitation Report (QT Reviewed)

Data File : D:\DATA\DEC2022C\DEC13\13DEC28.D Vial: 28
Acq On : 13 Dec 2022 4:31 pm Operator: mgc
Sample : 2222745-TUN2 Inst : MS-V5
Misc : 1 ;2I28012;50NG Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Dec 15 5:21 2022 Quant Results File: 82605C.RES

Quant Method : C:\HPCHEM\1...\82605C.M (RTE Integrator)
Title : EPA Method 8260C/D
Last Update : Thu Nov 17 08:03:26 2022
Response via : Initial Calibration
DataAcq Meth : 82605

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene IS#1	7.50	137	19827	10.00	ug/L	0.00
26) 1,4-Difluorobenzene IS#2	8.20	63	39943	10.00	ug/L	0.00
41) Chlorobenzene d5 IS#3	10.32	119	49692	10.00	ug/L	0.00
System Monitoring Compounds						
23) 1,2-dichloroethane d4 SMC	7.81	65	44996	11.40	ug/L	0.00
Spiked Amount 10.000	Range 75 - 125		Recovery = 114.00%			
33) Toluene d8 SMC#2	9.34	98	218264	10.41	ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 104.10%			
51) Bromofluorobenzene SMC#3	11.02	95	62903	9.89	ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 98.90%			

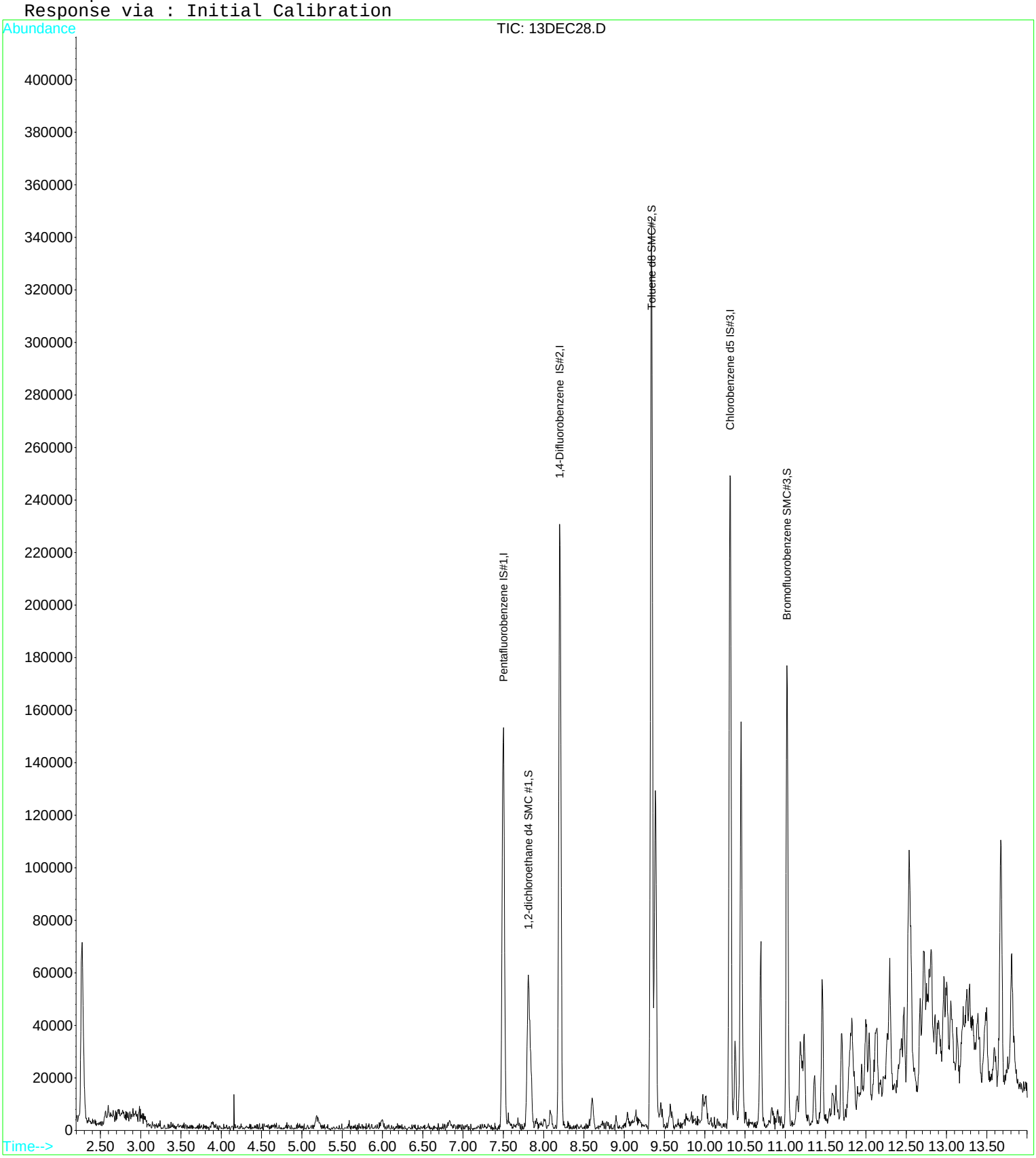
Target Compounds Qvalue

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

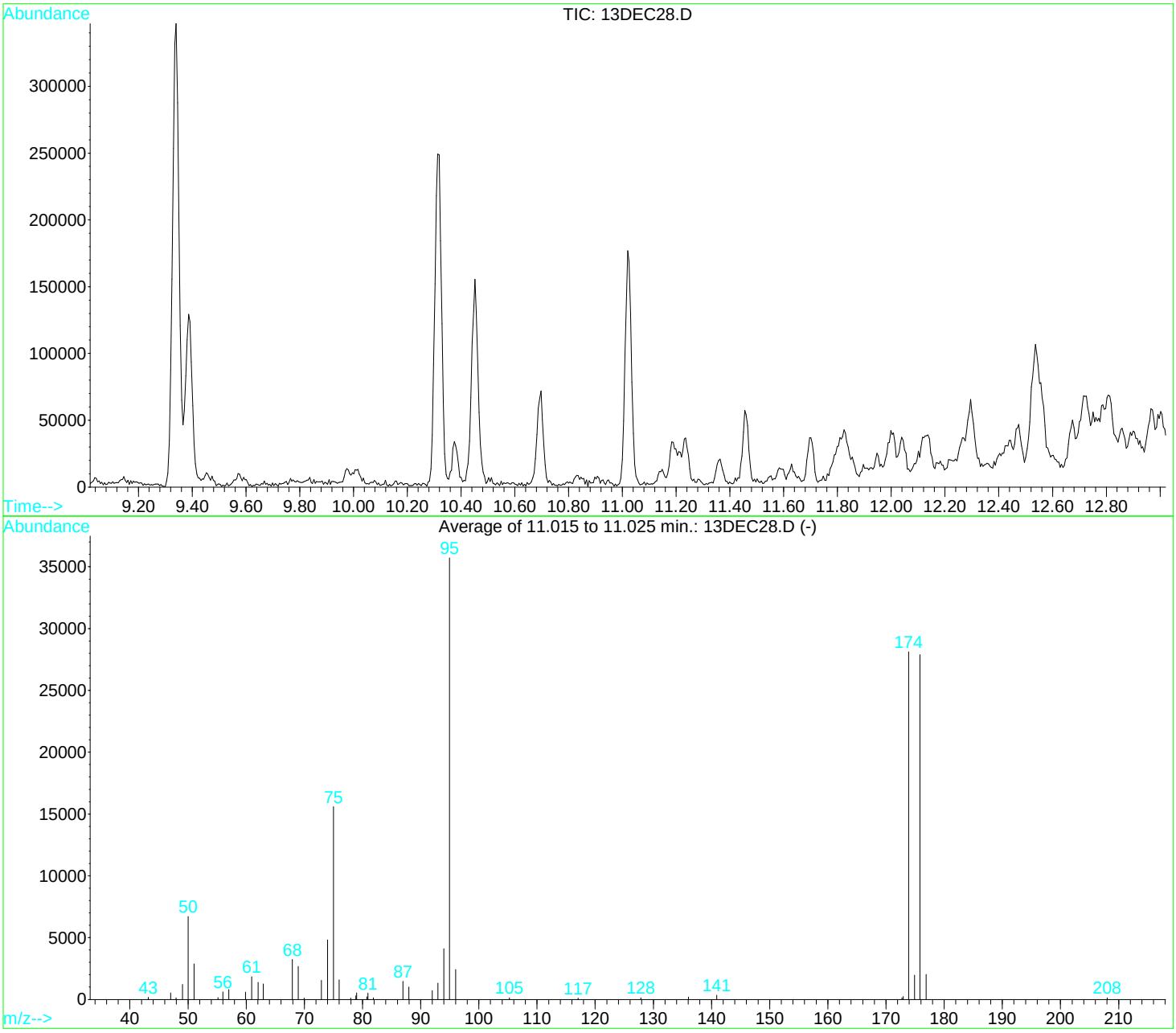
Quantitation Report

Data File : D:\DATA\DEC2022C\DEC13\13DEC28.D Vial: 28
Acq On : 13 Dec 2022 4:31 pm Operator: mgc
Sample : 2222745-TUN2 Inst : MS-V5
Misc : 1 ;2I28012;50NG Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Dec 15 5:21 2022 Quant Results File: 82605C.RES

Method : C:\HPCHEM\1\METHODS\C\202211\14-1045\82605C.M (RTE Integrator)
Title : EPA Method 8260C/D
Last Update : Thu Nov 17 08:03:26 2022
Response via : Initial Calibration



Data File : D:\DATA\DEC2022C\DEC13\13DEC28.D Vial: 28
Acq On : 13 Dec 2022 4:31 pm Operator: mgc
Sample : 2222745-TUN2 Inst : MS-V5
Misc : 1 ;2I28012;50NG Multiplr: 1.00
MS Integration Params: rteint.p
Method : C:\HPCHEM\1\METHODS\C\202211\14-1045\82605C.M (RTE Integrator)
Title : EPA Method 8260C/D



Spectrum Information: Average of 11.015 to 11.025 min.

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	18.8	6712	PASS
75	95	30	60	43.7	15604	PASS
95	95	100	100	100.0	35711	PASS
96	95	5	9	6.8	2435	PASS
173	174	0.00	2	0.9	245	PASS
174	95	50	100	78.8	28128	PASS
175	174	5	9	7.0	1958	PASS
176	174	95	101	99.2	27889	PASS
177	176	5	9	7.3	2039	PASS

Quantitation Report (QT Reviewed)

Data File : D:\DATA\OCT2022C\OCT16\16OCT04.D Vial: 4
Acq On : 16 Oct 2022 6:21 am Operator: MGC
Sample : 2219286-TUN1 Inst : MS-V5
Misc : 1 ;2I28012;50NG Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Feb 20 8:47 2023 Quant Results File: 82605C.RES

Quant Method : C:\HPCHEM\1...\82605C.M (RTE Integrator)
Title : EPA Method 8260C/D
Last Update : Fri Sep 30 06:43:11 2022
Response via : Initial Calibration
DataAcq Meth : 82605

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene IS#1	7.50	137	12152	10.00	ug/L	0.00
26) 1,4-Difluorobenzene IS#2	8.20	63	28355	10.00	ug/L	0.00
41) Chlorobenzene d5 IS#3	10.32	119	31703	10.00	ug/L	0.00
System Monitoring Compounds						
23) 1,2-dichloroethane d4 SMC	7.81	65	27430	10.27	ug/L	0.00
Spiked Amount 10.000	Range 75 - 125		Recovery = 102.70%			
33) Toluene d8 SMC#2	9.34	98	146415	9.77	ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 97.70%			
51) Bromofluorobenzene SMC#3	11.02	95	43482	10.54	ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 105.40%			

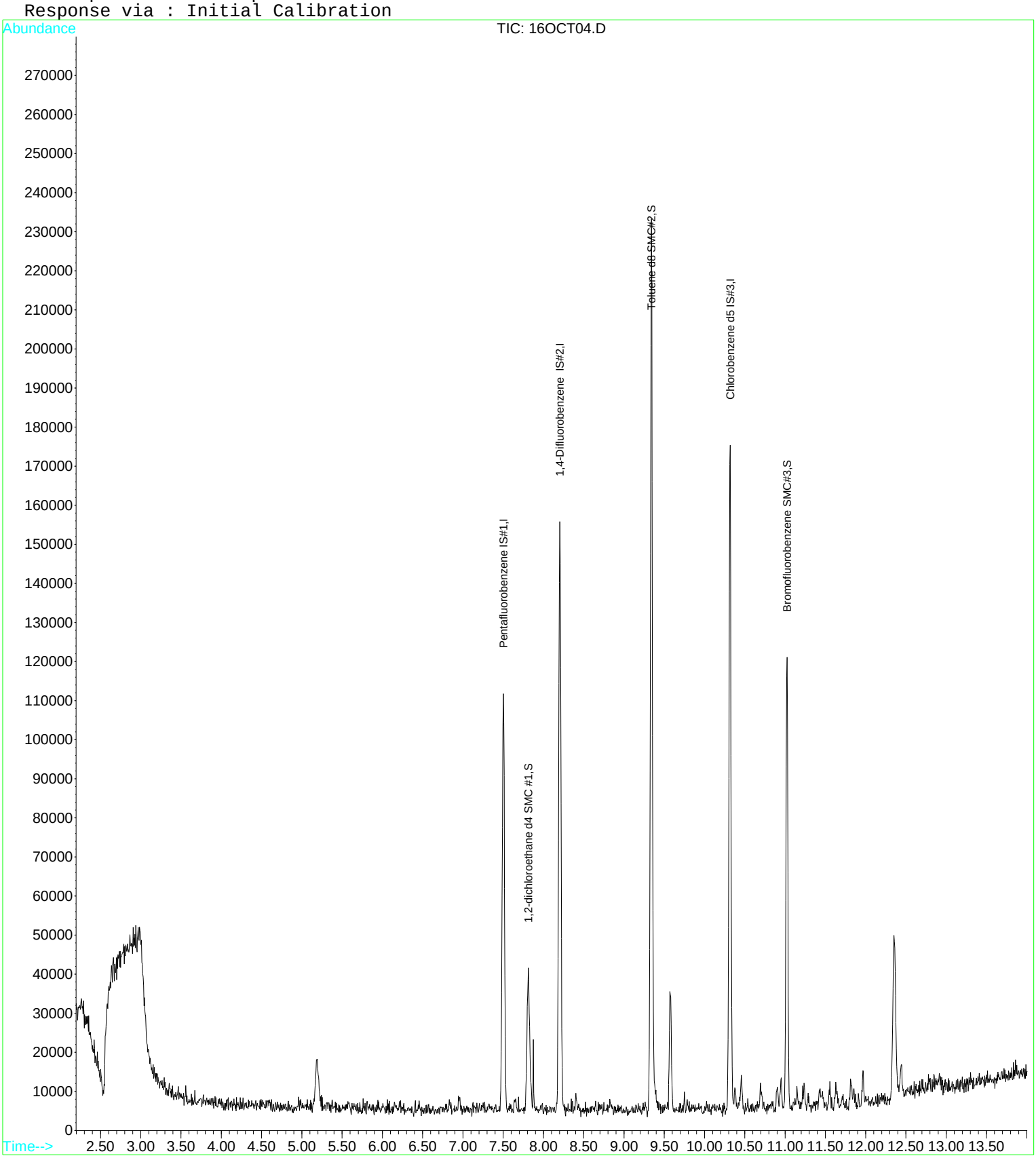
Target Compounds Qvalue

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

Quantitation Report

Data File : D:\DATA\OCT2022C\OCT16\16OCT04.D Vial: 4
Acq On : 16 Oct 2022 6:21 am Operator: MGC
Sample : 2219286-TUN1 Inst : MS-V5
Misc : 1 ;2I28012;50NG Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Feb 20 8:47 2023 Quant Results File: 82605C.RES

Method : C:\HPCHEM\1\METHODS\C\202209\07-1740\82605C.M (RTE Integrator)
Title : EPA Method 8260C/D
Last Update : Fri Sep 30 06:43:11 2022
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : D:\DATA\OCT2022C\OCT16\16OCT04.D Vial: 4
Acq On : 16 Oct 2022 6:21 am Operator: MGC
Sample : 2219286-TUN1 Inst : MS-V5
Misc : 1 ;2I28012;50NG Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Feb 20 8:45 2023 Quant Results File: 82605CX.RES

Quant Method : C:\HPCHEM\1...\82605CX.M (RTE Integrator)
Title : EPA Method 8260C/DX
Last Update : Thu Dec 01 09:35:24 2022
Response via : Initial Calibration
DataAcq Meth : 82605

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene IS#1	7.50	137	12152	10.00	ug/L	0.00
29) 1,4-Difluorobenzene IS#2	8.20	63	28355	10.00	ug/L	0.00
36) Chlorobenzene d5 IS#3	10.32	119	31703	10.00	ug/L	0.00

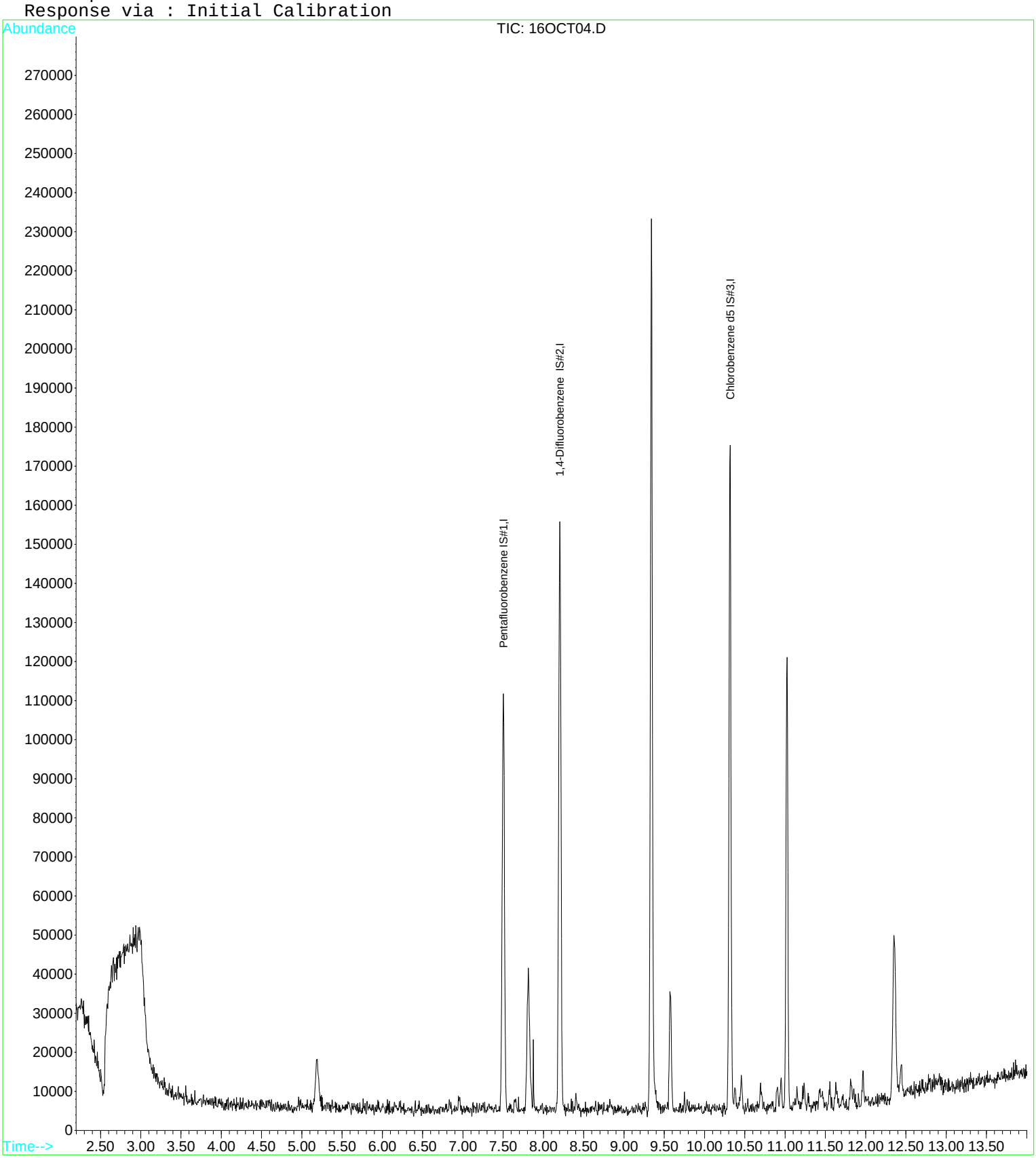
Target Compounds Qvalue

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

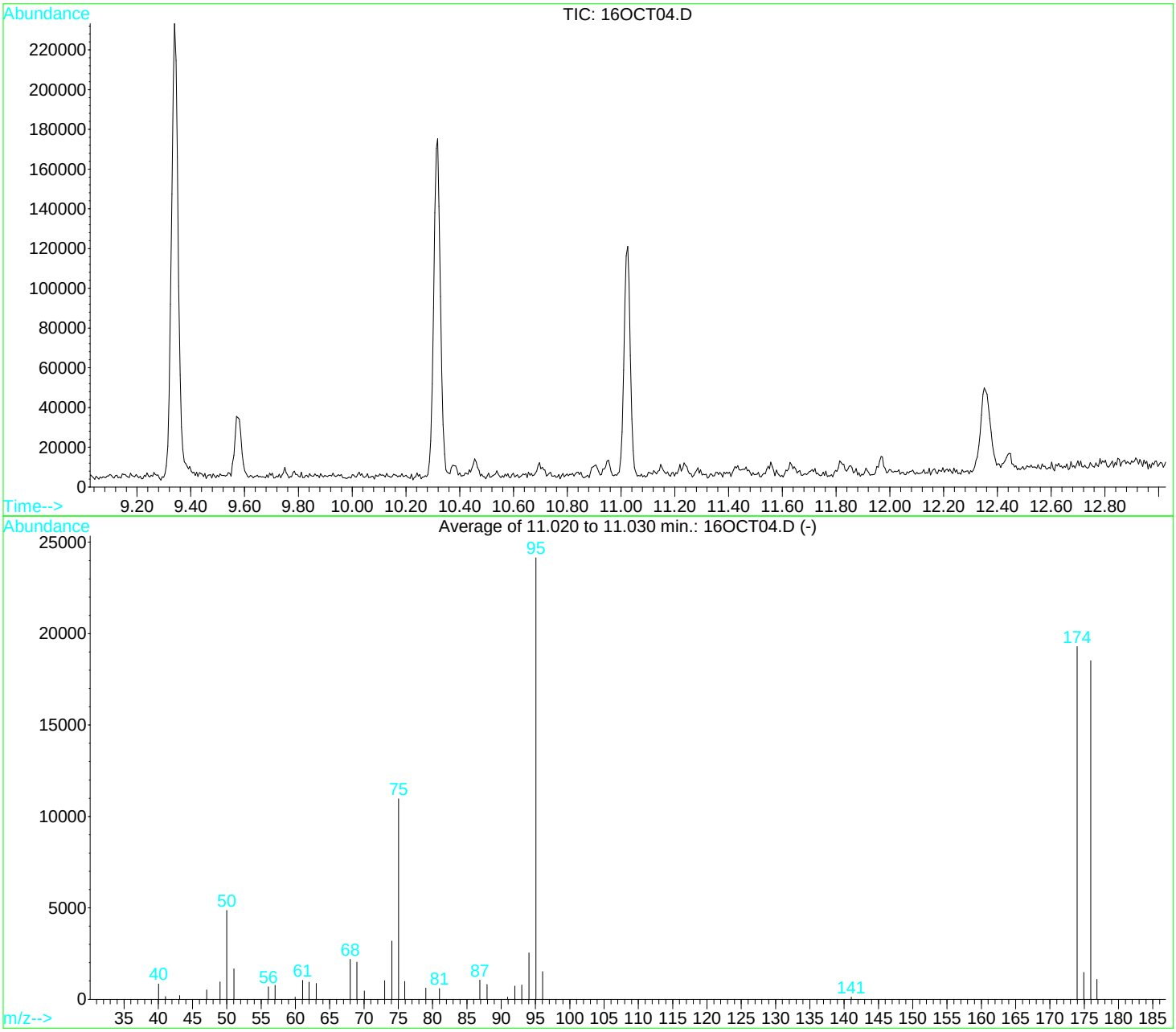
Quantitation Report

Data File : D:\DATA\OCT2022C\OCT16\16OCT04.D Vial: 4
Acq On : 16 Oct 2022 6:21 am Operator: MGC
Sample : 2219286-TUN1 Inst : MS-V5
Misc : 1 ;2I28012;50NG Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Feb 20 8:45 2023 Quant Results File: 82605CX.RES

Method : C:\HPCHEM\1\METHODS\C\202210\16-1301\82605CX.M (RTE Integrator)
Title : EPA Method 8260C/DX
Last Update : Thu Dec 01 09:35:24 2022
Response via : Initial Calibration



Data File : D:\DATA\OCT2022C\OCT16\16OCT04.D Vial: 4
Acq On : 16 Oct 2022 6:21 am Operator: MGC
Sample : 2219286-TUN1 Inst : MS-V5
Misc : 1 ;2I28012;50NG Multiplr: 1.00
MS Integration Params: rteint.p
Method : C:\HPCHEM\1\METHODS\C\202209\07-1740\82605C.M (RTE Integrator)
Title : EPA Method 8260C/D



Spectrum Information: Average of 11.020 to 11.030 min.

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	20.1	4865	PASS
75	95	30	60	45.4	10961	PASS
95	95	100	100	100.0	24144	PASS
96	95	5	9	6.3	1510	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	100	79.9	19299	PASS
175	174	5	9	7.6	1475	PASS
176	174	95	101	96.0	18525	PASS
177	176	5	9	5.9	1094	PASS

16OCT04.D 82605C.M Mon Feb 20 08:47:46 2023

Quantitation Report (QT Reviewed)

Data File : D:\DATA\NOV2022C\NOV14\14NOV01.D Vial: 1
Acq On : 14 Nov 2022 8:20 am Operator: mgc
Sample : 2221072-TUN1 Inst : MS-V5
Misc : 1 ;2I28012;50NG Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Nov 17 7:52 2022 Quant Results File: 82605C.RES

Quant Method : C:\HPCHEM\1...\82605C.M (RTE Integrator)
Title : EPA Method 8260C/D
Last Update : Fri Sep 30 06:43:11 2022
Response via : Initial Calibration
DataAcq Meth : 82605

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene IS#1	7.50	137	12563	10.00	ug/L	0.00
26) 1,4-Difluorobenzene IS#2	8.20	63	30209	10.00	ug/L	0.00
41) Chlorobenzene d5 IS#3	10.31	119	34949	10.00	ug/L	0.00
System Monitoring Compounds						
23) 1,2-dichloroethane d4 SMC	7.81	65	28364	10.28	ug/L	0.00
Spiked Amount 10.000	Range 75 - 125		Recovery = 102.80%			
33) Toluene d8 SMC#2	9.34	98	158233	9.91	ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 99.10%			
51) Bromofluorobenzene SMC#3	11.02	95	45311	9.96	ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 99.60%			

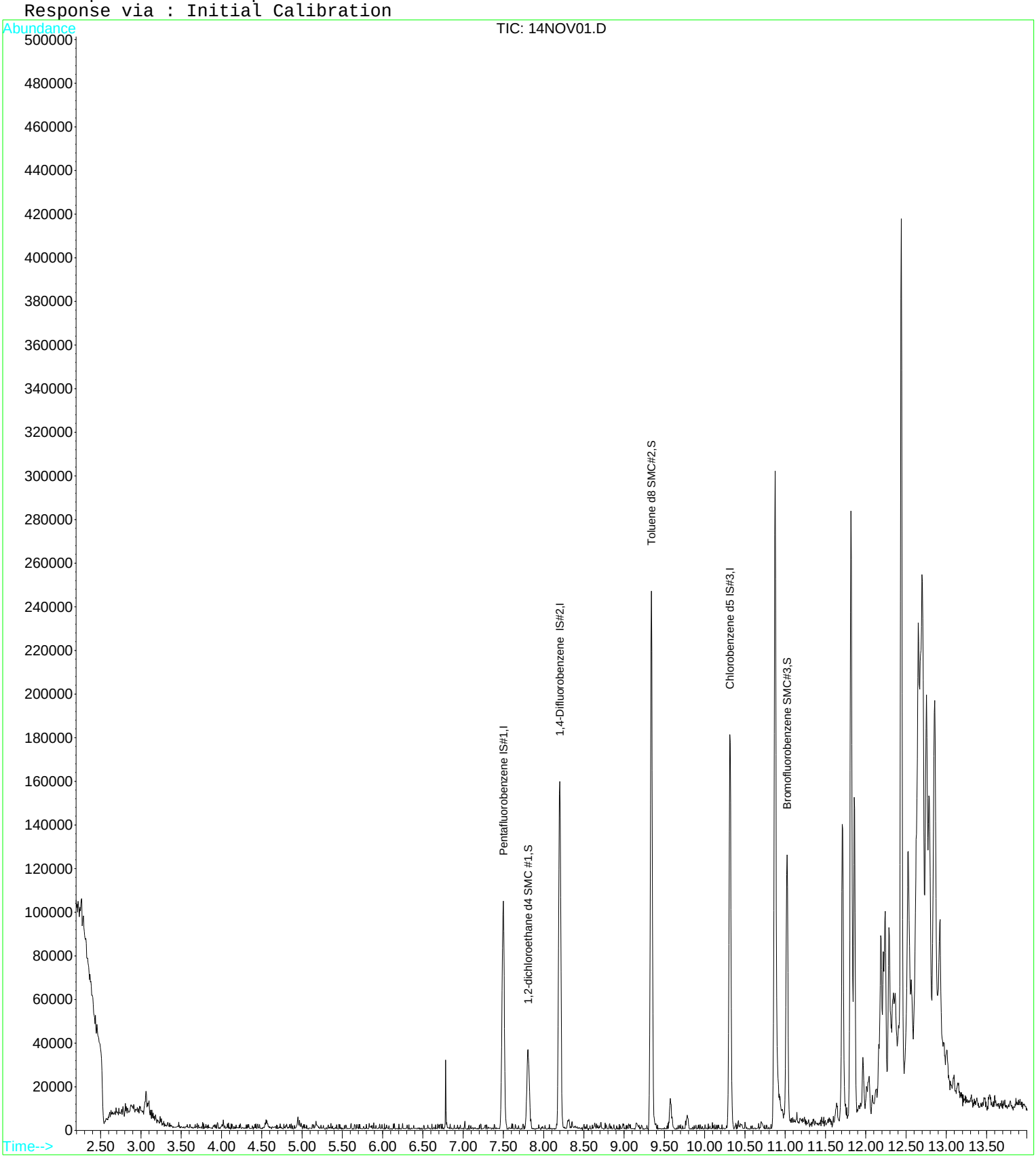
Target Compounds Qvalue

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

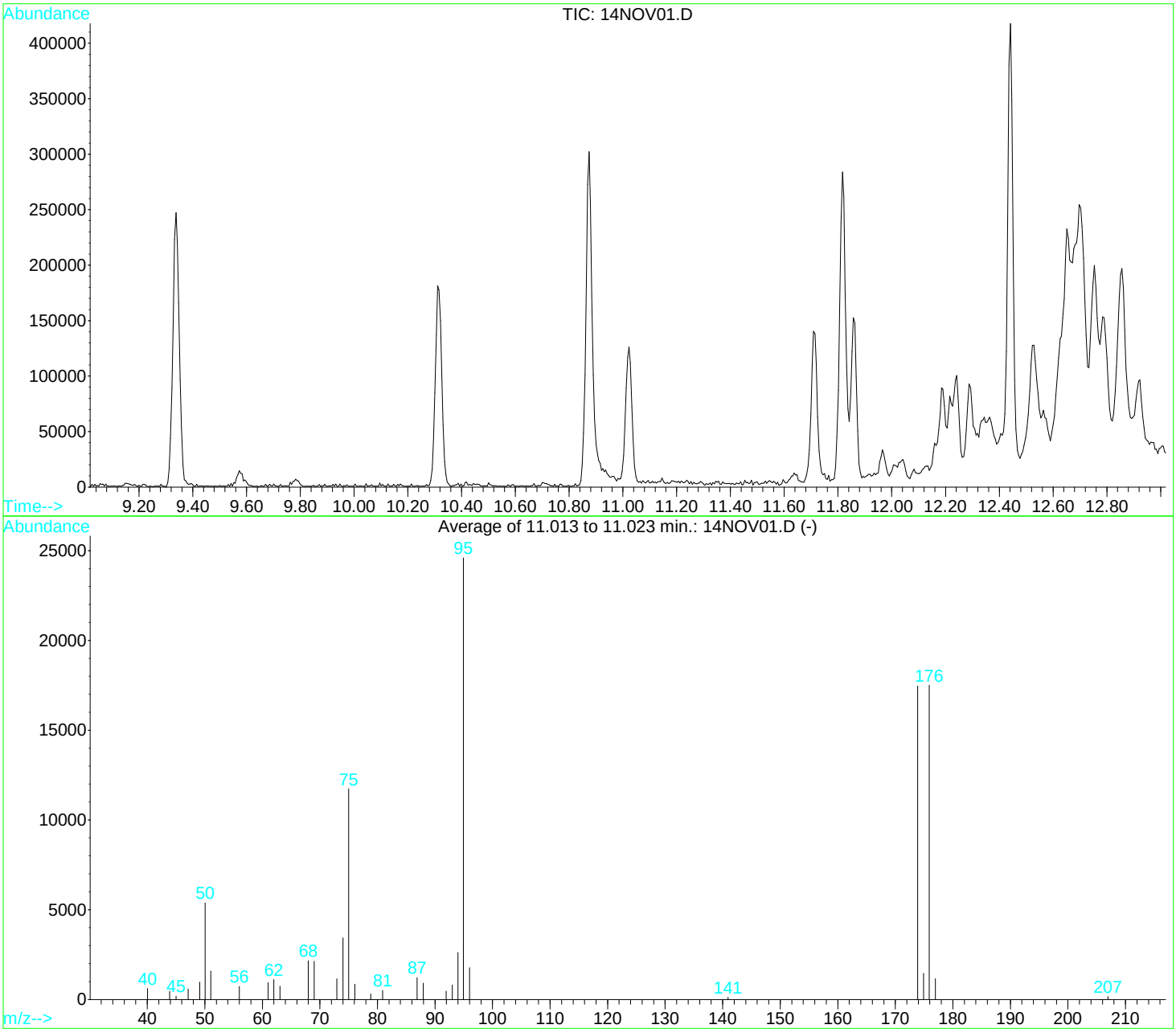
Quantitation Report

Data File : D:\DATA\NOV2022C\NOV14\14NOV01.D Vial: 1
Acq On : 14 Nov 2022 8:20 am Operator: mgc
Sample : 2221072-TUN1 Inst : MS-V5
Misc : 1 ;2I28012;50NG Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Nov 17 7:52 2022 Quant Results File: 82605C.RES

Method : C:\HPCHEM\1\METHODS\C\202211\14-1045\82605C.M (RTE Integrator)
Title : EPA Method 8260C/D
Last Update : Fri Sep 30 06:43:11 2022
Response via : Initial Calibration



Data File : D:\DATA\NOV2022C\NOV14\14NOV01.D Vial: 1
Acq On : 14 Nov 2022 8:20 am Operator: mgc
Sample : 2221072-TUN1 Inst : MS-V5
Misc : 1 ;2I28012;50NG Multiplr: 1.00
MS Integration Params: rteint.p
Method : C:\HPCHEM\1\METHODS\C\202211\14-1045\82605C.M (RTE Integrator)
Title : EPA Method 8260C/D



Spectrum Information: Average of 11.013 to 11.023 min.

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	21.9	5386	PASS
75	95	30	60	47.7	11728	PASS
95	95	100	100	100.0	24592	PASS
96	95	5	9	7.2	1776	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	100	71.0	17455	PASS
175	174	5	9	8.4	1458	PASS
176	174	95	101	100.2	17497	PASS
177	176	5	9	6.6	1161	PASS

Raw Data - Method Blank

Quantitation Report (QT Reviewed)

Data File : D:\DATA\DEC2022C\DEC13\13DEC05.D Vial: 5
Acq On : 13 Dec 2022 7:21 am Operator: mgc
Sample : B155698-BLK1 Inst : MS-V5
Misc : 1 PB1;VRL-18-7098;25ML Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Dec 14 12:29 2022 Quant Results File: 82605C.RES

Quant Method : C:\HPCHEM\1...\82605C.M (RTE Integrator)
Title : EPA Method 8260C/D
Last Update : Thu Nov 17 08:03:26 2022
Response via : Initial Calibration
DataAcq Meth : 82605

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene IS#1	7.50	137	61737	10.00	ug/L	0.00
26) 1,4-Difluorobenzene IS#2	8.20	63	118693	10.00	ug/L	0.00
41) Chlorobenzene d5 IS#3	10.32	119	142341	10.00	ug/L	0.00
System Monitoring Compounds						
23) 1,2-dichloroethane d4 SMC	7.81	65	141683	11.52	ug/L	0.00
Spiked Amount 10.000	Range 75 - 125		Recovery = 115.20%			
33) Toluene d8 SMC#2	9.34	98	611730	9.82	ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 98.20%			
51) Bromofluorobenzene SMC#3	11.02	95	184317	10.12	ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 101.20%			

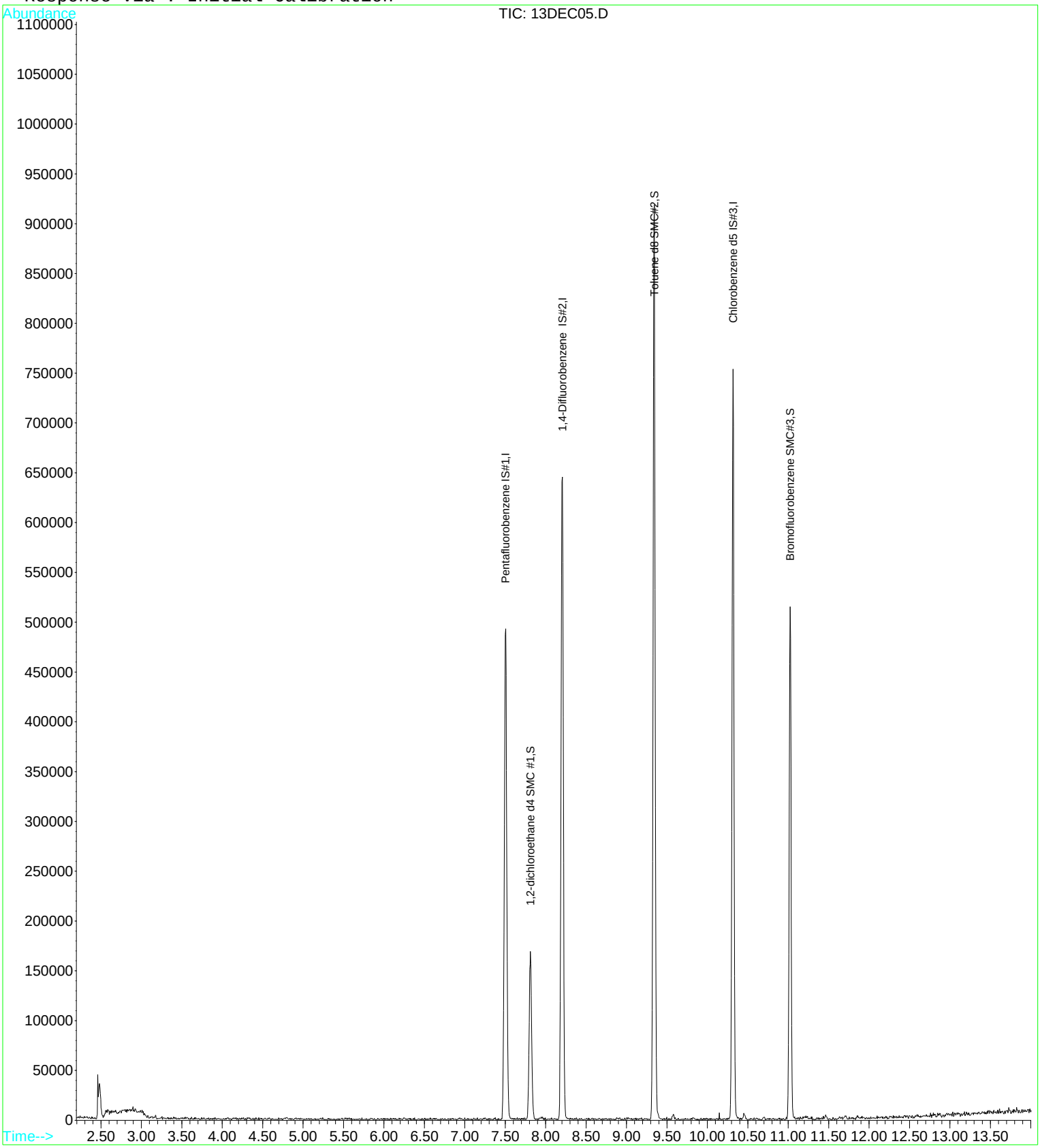
Target Compounds Qvalue

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

Quantitation Report

Data File : D:\DATA\DEC2022C\DEC13\13DEC05.D Vial: 5
Acq On : 13 Dec 2022 7:21 am Operator: mgc
Sample : B155698-BLK1 Inst : MS-V5
Misc : 1 PB1;VRL-18-7098;25ML Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Dec 14 12:29 2022 Quant Results File: 82605C.RES

Method : C:\HPCHEM\1\METHODS\C\202211\14-1045\82605C.M (RTE Integrator)
Title : EPA Method 8260C/D
Last Update : Thu Nov 17 08:03:26 2022
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : D:\DATA\DEC2022C\DEC13\13DEC05.D Vial: 5
Acq On : 13 Dec 2022 7:21 am Operator: mgc
Sample : B155698-BLK1 Inst : MS-V5
Misc : 1 PB1;VRL-18-7098;25ML Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Dec 14 12:20 2022 Quant Results File: 82605CX.RES

Quant Method : C:\HPCHEM\1...\82605CX.M (RTE Integrator)
Title : EPA Method 8260C/DX
Last Update : Thu Dec 01 09:35:24 2022
Response via : Initial Calibration
DataAcq Meth : 82605

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene IS#1	7.50	137	61737	10.00	ug/L	0.00
29) 1,4-Difluorobenzene IS#2	8.20	63	118693	10.00	ug/L	0.00
36) Chlorobenzene d5 IS#3	10.32	119	142341	10.00	ug/L	0.00

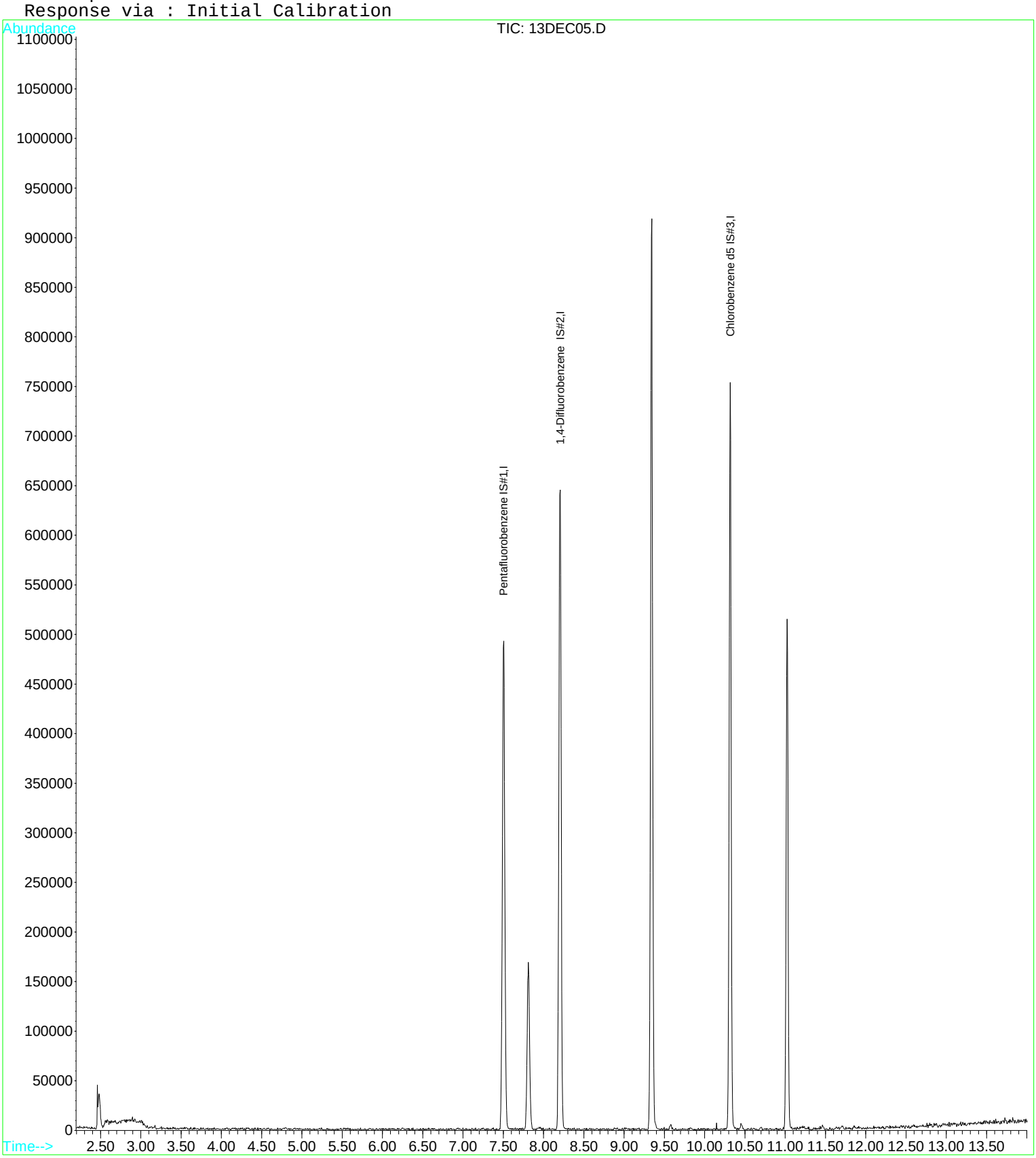
Target Compounds Qvalue

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

Quantitation Report

Data File : D:\DATA\DEC2022C\DEC13\13DEC05.D Vial: 5
Acq On : 13 Dec 2022 7:21 am Operator: mgc
Sample : B155698-BLK1 Inst : MS-V5
Misc : 1 PB1;VRL-18-7098;25ML Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Dec 14 12:20 2022 Quant Results File: 82605CX.RES

Method : C:\HPCHEM\1\METHODS\C\202210\16-1301\82605CX.M (RTE Integrator)
Title : EPA Method 8260C/DX
Last Update : Thu Dec 01 09:35:24 2022
Response via : Initial Calibration



Raw Data - Matrix Spike

Quantitation Report (QT Reviewed)

Data File : D:\DATA\DEC2022C\DEC13\13DEC09.D Vial: 9
Acq On : 13 Dec 2022 8:57 am Operator: mgc
Sample : B155698-MS1 Inst : MS-V5
Misc : 1 ;2L01003;25ML Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Dec 14 12:30 2022 Quant Results File: 82605C.RES

Quant Method : C:\HPCHEM\1...\82605C.M (RTE Integrator)
Title : EPA Method 8260C/D
Last Update : Thu Nov 17 08:03:26 2022
Response via : Initial Calibration
DataAcq Meth : 82605

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Pentafluorobenzene IS#1	7.50	137	59969	10.00	ug/L		0.00
26) 1,4-Difluorobenzene IS#2	8.20	63	119297	10.00	ug/L		0.00
41) Chlorobenzene d5 IS#3	10.31	119	149784	10.00	ug/L		0.00
System Monitoring Compounds							
23) 1,2-dichloroethane d4 SMC	7.81	65	127733	10.70	ug/L		0.00
Spiked Amount 10.000	Range 75 - 125		Recovery = 107.00%				
33) Toluene d8 SMC#2	9.34	98	626447	10.00	ug/L		0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 100.00%				
51) Bromofluorobenzene SMC#3	11.02	95	199570	10.41	ug/L		0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 104.10%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	2.31	85	632042	23.13	ug/L		100
3) Chlorodifluoromethane	2.34	51	13952	22.31	ug/L		87
4) Chloromethane	2.57	50	585416	20.26	ug/L		99
5) Vinyl chloride	2.73	62	509618	21.73	ug/L		99
6) Bromomethane	3.22	94	305665	20.77	ug/L		99
7) Chloroethane	3.39	64	402779	21.92	ug/L		99
8) Dichlorofluoromethane	3.71	67	519385	24.08	ug/L		100
9) Trichlorofluoromethane	3.76	101	863866	27.78	ug/L		100
10) 1,1,2-Trichloro-1,2,2-trif	4.52	101	472889	24.64	ug/L		96
11) 1,1-Dichloroethene	4.50	61	833010	24.67	ug/L		97
12) Methylene chloride	5.19	84	378675	21.51	ug/L		99
13) MTBE	5.56	73	636817	23.15	ug/L		97
14) T-1,2-dichloroethene	5.58	96	512261	23.65	ug/L		99
15) 1,1-Dichloroethane	6.23	63	889943	21.89	ug/L		98
16) 2,2-Dichloropropane	6.97	77	795685	26.34	ug/L		89
17) Cis-1,2-dichloroethene	6.96	96	501996	22.61	ug/L		98
18) Bromochloromethane	7.22	128	148149	21.44	ug/L		97
19) Chloroform	7.32	83	803876	24.64	ug/L		99
20) 1,1,1-Trichloroethane	7.49	97	838227	27.16	ug/L		91
21) 1,1-Dichloropropene	7.65	75	710236	25.44	ug/L		98
22) Carbon tetrachloride	7.65	119	628946	28.56	ug/L		99
24) 1,2-Dichloroethane	7.88	62	429634	26.55	ug/L		98
25) Benzene	7.84	78	1736647	21.53	ug/L		97
27) Trichloroethene	8.41	130	555565	27.10	ug/L		98
28) 1,2-Dichloropropane	8.62	63	430978	22.37	ug/L	#	36
29) Dibromomethane	8.70	93	143052	24.58	ug/L		95
30) Bromodichloromethane	8.82	83	489054	27.04	ug/L		99
31) 2-ceve	9.01	63	323	0.06	ug/L	#	1
32) Cis-1,3-dichloropropene	9.14	75	572443	25.34	ug/L		99
34) Toluene	9.39	92	1143765	24.42	ug/L		94
35) Trans-1,3-dichloropropene	9.54	75	379380	25.47	ug/L		99
36) 1,1,2-Trichloroethane	9.67	97	212196	24.29	ug/L		96
37) Tetrachloroethene (PCE)	9.75	166	522660	27.41	ug/L		99
38) 1,3-Dichloropropane	9.79	76	360344	23.79	ug/L		99
39) Dibromochloromethane	9.94	129	253723	28.70	ug/L		98
40) 1,2-Dibromoethane	10.03	107	193294	26.30	ug/L		98
42) Chlorobenzene	10.33	112	1157942	23.63	ug/L		96
43) 1,1,1,2-Tetrachloroethane	10.38	131	362367	25.14	ug/L		99
44) Ethylbenzene	10.38	106	718763	24.23	ug/L		83
45) P+m-Xylene	10.45	106	1570016	46.28	ug/L		85
46) O-Xylene	10.69	106	787033	23.67	ug/L		92
47) Styrene	10.70	104	1109112	24.12	ug/L		97
48) Bromoform	10.84	173	89184	23.86	ug/L		99
49) Isopropylbenzene	10.90	105	2021162	24.03	ug/L		92
50) 1,1,2,2-Tetrachloroethane	11.08	83	181144	22.34	ug/L		99

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

Quantitation Report (QT Reviewed)

Data File : D:\DATA\DEC2022C\DEC13\13DEC09.D Vial: 9
Acq On : 13 Dec 2022 8:57 am Operator: mgc
Sample : B155698-MS1 Inst : MS-V5
Misc : 1 ;2L01003;25ML Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Dec 14 12:30 2022 Quant Results File: 82605C.RES

Quant Method : C:\HPCHEM\1...\82605C.M (RTE Integrator)
Title : EPA Method 8260C/D
Last Update : Thu Nov 17 08:03:26 2022
Response via : Initial Calibration
DataAcq Meth : 82605

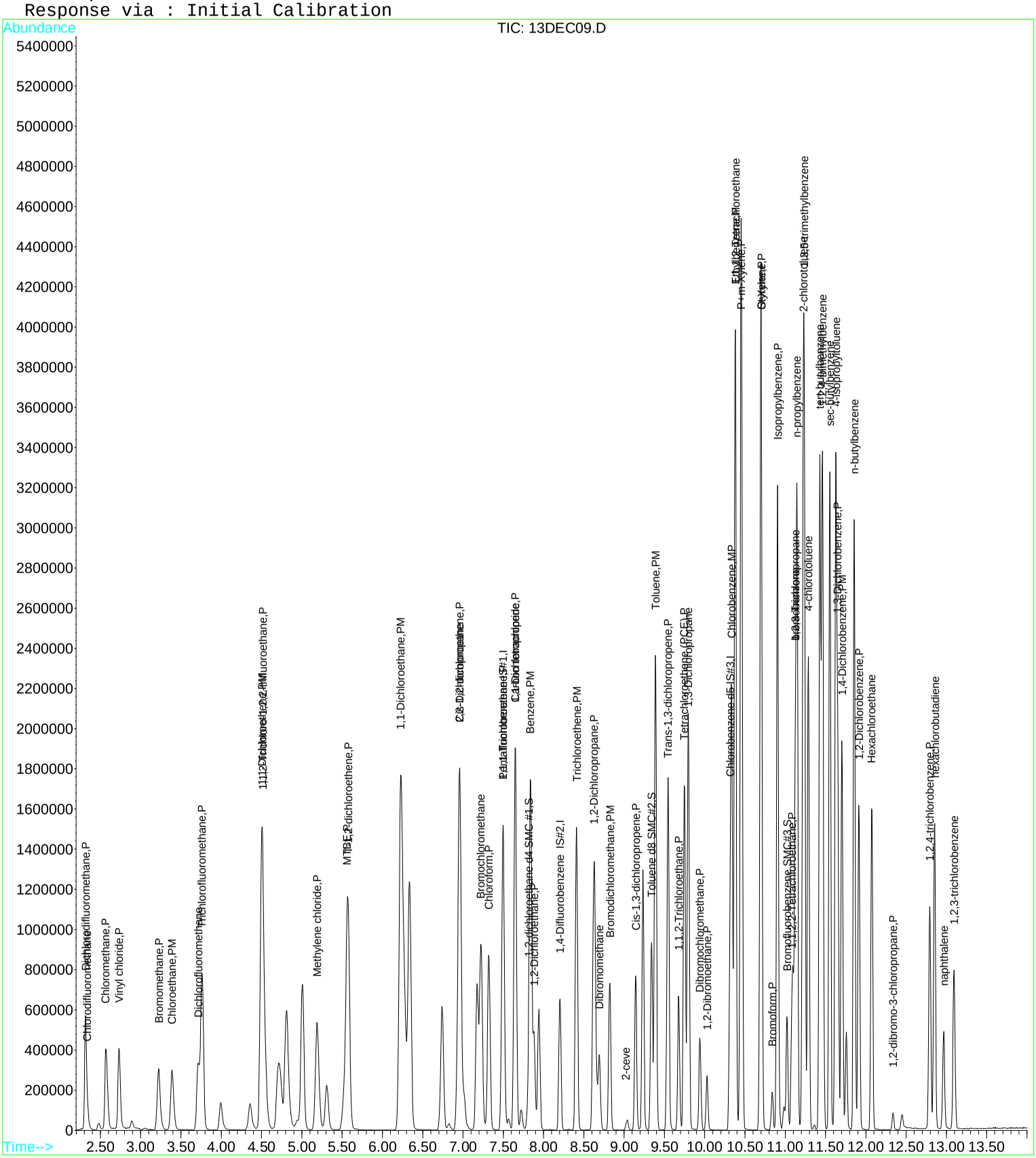
	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
52)	1,2,3-Trichloropropane	11.12	110	56110	26.73	ug/L		96
53)	n-propylbenzene	11.14	91	2092783	23.81	ug/L		93
54)	bromobenzene	11.12	156	409344	25.99	ug/L		99
55)	1,3,5-trimethylbenzene	11.24	105	1608220	24.87	ug/L		92
56)	2-chlorotoluene	11.22	91	1509448	24.41	ug/L		96
57)	4-chlorotoluene	11.29	91	1366120	25.09	ug/L		97
58)	tert-butylbenzene	11.43	119	1839934	26.67	ug/L		93
59)	1,2,4-trimethylbenzene	11.46	105	1558002	25.05	ug/L		92
60)	sec-butylbenzene	11.55	105	2106066	23.85	ug/L		93
61)	4-isopropyltoluene	11.63	119	1756011	25.83	ug/L		94
62)	1,3-Dichlorobenzene	11.65	146	834001	26.50	ug/L		98
63)	1,4-Dichlorobenzene	11.70	146	814295	27.03	ug/L		98
64)	n-butylbenzene	11.86	91	1582452	25.92	ug/L		95
65)	1,2-Dichlorobenzene	11.92	146	692985	26.41	ug/L		99
66)	Hexachloroethane	12.08	117	245719	23.32	ug/L	#	85
67)	1,2-dibromo-3-chloropropan	12.34	75	23344	24.71	ug/L		99
68)	1,2,4-trichlorobenzene	12.79	180	386793	27.63	ug/L		99
69)	hexachlorobutadiene	12.85	225	318278	31.00	ug/L		99
70)	naphthalene	12.97	128	435658	22.57	ug/L		100
71)	1,2,3-trichlorobenzene	13.10	180	286949	26.55	ug/L		99

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

Quantitation Report

Data File : D:\DATA\DEC2022C\DEC13\13DEC09.D Vial: 9
Acq On : 13 Dec 2022 8:57 am Operator: mgc
Sample : B155698-MS1 Inst : MS-V5
Misc : 1 ;2L01003;25ML Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Dec 14 12:30 2022 Quant Results File: 82605C.RES

Method : C:\HPCHEM\1\METHODS\C\202211\14-1045\82605C.M (RTE Integrator)
Title : EPA Method 8260C/D
Last Update : Thu Nov 17 08:03:26 2022
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : D:\DATA\DEC2022C\DEC13\13DEC09.D Vial: 9
Acq On : 13 Dec 2022 8:57 am Operator: mgc
Sample : B155698-MS1 Inst : MS-V5
Misc : 1 ;2L01003;25ML Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Dec 14 12:27 2022 Quant Results File: 82605CX.RES

Quant Method : C:\HPCHEM\1...\82605CX.M (RTE Integrator)
Title : EPA Method 8260C/DX
Last Update : Thu Dec 01 09:35:24 2022
Response via : Initial Calibration
DataAcq Meth : 82605

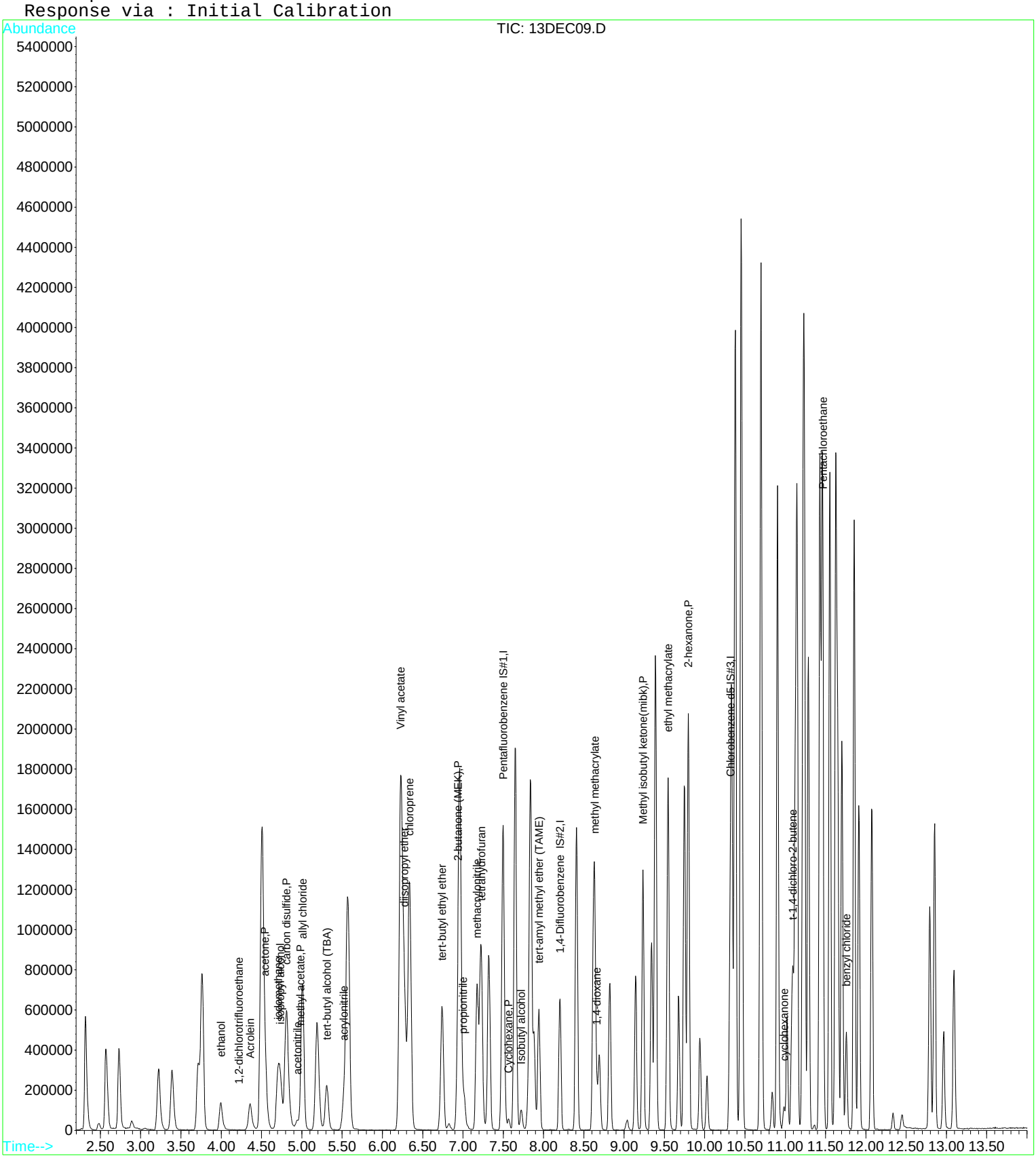
Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Pentafluorobenzene IS#1	7.50	137	59969	10.00	ug/L		0.00
29) 1,4-Difluorobenzene IS#2	8.20	63	119297	10.00	ug/L		0.00
36) Chlorobenzene d5 IS#3	10.31	119	149784	10.00	ug/L		0.00
Target Compounds							Qvalue
2) ethanol	3.99	45	220177	3856.17	ug/L		96
4) 1,2-dichlorotrifluoroethan	4.22	67	1088	0.04	ug/L	#	20
6) isopropyl alcohol	4.74	45	340162	1207.58	ug/L	#	5
7) Acrolein	4.36	56	212966	193.79	ug/L		82
8) acetone	4.55	43	499371	370.03	ug/L		92
9) tert-butyl alcohol (TBA)	5.31	59	376556	798.17	ug/L		100
10) acetonitrile	4.95	41	87226	158.29	ug/L	#	7
11) methyl acetate	4.98	43	14630	3.78	ug/L	#	72
12) allyl chloride	5.01	41	1204975	32.65	ug/L		98
13) iodomethane	4.70	142	554726	22.29	ug/L		94
14) acrylonitrile	5.52	53	170443	83.70	ug/L		96
15) carbon disulfide	4.81	76	1457909	24.92	ug/L		98
17) diisopropyl ether	6.27	87	222675	15.82	ug/L		92
18) Vinyl acetate	6.23	43	3081140	169.28	ug/L		96
19) chloroprene	6.34	53	1268480	37.61	ug/L		92
20) tert-butyl ethyl ether	6.74	59	706871	16.97	ug/L		98
21) 2-butanone (MEK)	6.93	43	409884	162.96	ug/L		96
22) propionitrile	7.01	54	265544	386.50	ug/L		96
23) Isobutyl alcohol	7.72	43	84159	357.33	ug/L		95
24) methacrylonitrile	7.17	67	378687	155.39	ug/L		87
26) tetrahydrofuran	7.23	42	553149	328.33	ug/L		93
27) Cyclohexane	7.56	56	34018	0.90	ug/L		88
28) tert-amyl methyl ether (TA	7.94	73	458536	15.36	ug/L		100
30) methyl methacrylate	8.64	69	326426	71.61	ug/L	#	1
32) 1,4-dioxane	8.67	88	87605	2114.69	ug/L		93
33) Methyl isobutyl ketone(mib	9.23	43	904090	165.14	ug/L		92
34) ethyl methacrylate	9.55	69	716791	76.22	ug/L		98
35) 2-hexanone	9.80	43	1105911	317.75	ug/L		92
38) cyclohexanone	10.99	55	55930	62.60	ug/L		96
39) t-1,4-dichloro-2-butene	11.10	75	195997	81.14	ug/L		94
41) Pentachloroethane	11.47	167	127872	14.17	ug/L	#	76
42) benzyl chloride	11.76	91	364480	22.31	ug/L		98

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

Quantitation Report

Data File : D:\DATA\DEC2022C\DEC13\13DEC09.D Vial: 9
Acq On : 13 Dec 2022 8:57 am Operator: mgc
Sample : B155698-MS1 Inst : MS-V5
Misc : 1 ;2L01003;25ML Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Dec 14 12:27 2022 Quant Results File: 82605CX.RES

Method : C:\HPCHEM\1\METHODS\C\202210\16-1301\82605CX.M (RTE Integrator)
Title : EPA Method 8260C/DX
Last Update : Thu Dec 01 09:35:24 2022
Response via : Initial Calibration



Raw Data - Matrix Spike Duplicate

Quantitation Report (QT Reviewed)

Data File : D:\DATA\DEC2022C\DEC13\13DEC10.D Vial: 10
Acq On : 13 Dec 2022 9:21 am Operator: mgc
Sample : B155698-MSD1 Inst : MS-V5
Misc : 1 ;2L01003;25ML Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Dec 14 12:27 2022 Quant Results File: 82605C.RES

Quant Method : C:\HPCHEM\1...\82605C.M (RTE Integrator)
Title : EPA Method 8260C/D
Last Update : Thu Nov 17 08:03:26 2022
Response via : Initial Calibration
DataAcq Meth : 82605

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Pentafluorobenzene IS#1	7.50	137	65665	10.00	ug/L		0.00
26) 1,4-Difluorobenzene IS#2	8.20	63	131531	10.00	ug/L		0.00
41) Chlorobenzene d5 IS#3	10.32	119	164476	10.00	ug/L		0.00
System Monitoring Compounds							
23) 1,2-dichloroethane d4 SMC	7.81	65	140242	10.72	ug/L		0.00
Spiked Amount 10.000	Range 75 - 125		Recovery = 107.20%				
33) Toluene d8 SMC#2	9.34	98	696131	10.08	ug/L		0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 100.80%				
51) Bromofluorobenzene SMC#3	11.02	95	221118	10.51	ug/L		0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 105.10%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	2.32	85	671077	22.42	ug/L		99
3) Chlorodifluoromethane	2.34	51	15093	22.05	ug/L	#	1
4) Chloromethane	2.57	50	622610	19.67	ug/L		98
5) Vinyl chloride	2.73	62	562660	21.91	ug/L		98
6) Bromomethane	3.22	94	342084	21.23	ug/L		97
7) Chloroethane	3.39	64	437248	21.73	ug/L		100
8) Dichlorofluoromethane	3.71	67	557841	23.62	ug/L		99
9) Trichlorofluoromethane	3.76	101	920185	27.02	ug/L		99
10) 1,1,2-Trichloro-1,2,2-trif	4.51	101	515111	24.51	ug/L		96
11) 1,1-Dichloroethene	4.50	61	898963	24.31	ug/L		98
12) Methylene chloride	5.19	84	429266	22.27	ug/L		99
13) MTBE	5.56	73	752880	24.99	ug/L		96
14) T-1,2-dichloroethene	5.57	96	566337	23.88	ug/L		98
15) 1,1-Dichloroethane	6.23	63	990512	22.25	ug/L		98
16) 2,2-Dichloropropane	6.96	77	863279	26.09	ug/L		91
17) Cis-1,2-dichloroethene	6.96	96	559160	23.00	ug/L		97
18) Bromochloromethane	7.21	128	167387	22.12	ug/L		98
19) Chloroform	7.32	83	886894	24.83	ug/L		98
20) 1,1,1-Trichloroethane	7.49	97	908523	26.88	ug/L		91
21) 1,1-Dichloropropene	7.65	75	774766	25.35	ug/L		99
22) Carbon tetrachloride	7.65	119	681780	28.28	ug/L		99
24) 1,2-Dichloroethane	7.88	62	475401	26.83	ug/L		99
25) Benzene	7.84	78	1913777	21.67	ug/L		97
27) Trichloroethene	8.41	130	605521	26.79	ug/L		99
28) 1,2-Dichloropropane	8.62	63	500992	23.58	ug/L	#	40
29) Dibromomethane	8.69	93	167130	26.05	ug/L		96
30) Bromodichloromethane	8.82	83	542807	27.22	ug/L		100
31) 2-ceve	9.06	63	296	0.05	ug/L	#	82
32) Cis-1,3-dichloropropene	9.14	75	638205	25.62	ug/L		99
34) Toluene	9.39	92	1253516	24.27	ug/L		94
35) Trans-1,3-dichloropropene	9.54	75	434199	26.43	ug/L		100
36) 1,1,2-Trichloroethane	9.68	97	247090	25.66	ug/L		98
37) Tetrachloroethene (PCE)	9.75	166	561034	26.68	ug/L		100
38) 1,3-Dichloropropane	9.79	76	414377	24.82	ug/L		99
39) Dibromochloromethane	9.94	129	292541	30.01	ug/L		98
40) 1,2-Dibromoethane	10.03	107	225274	27.80	ug/L		99
42) Chlorobenzene	10.34	112	1291058	24.00	ug/L		95
43) 1,1,1,2-Tetrachloroethane	10.38	131	407804	25.77	ug/L		98
44) Ethylbenzene	10.38	106	792624	24.34	ug/L		86
45) P+m-Xylene	10.45	106	1725011	46.31	ug/L		87
46) O-Xylene	10.70	106	882055	24.15	ug/L		95
47) Styrene	10.71	104	1234027	24.44	ug/L		97
48) Bromoform	10.84	173	106474	25.71	ug/L		99
49) Isopropylbenzene	10.90	105	2178154	23.58	ug/L		93
50) 1,1,2,2-Tetrachloroethane	11.08	83	217503	24.43	ug/L		98

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

Quantitation Report (QT Reviewed)

Data File : D:\DATA\DEC2022C\DEC13\13DEC10.D Vial: 10
Acq On : 13 Dec 2022 9:21 am Operator: mgc
Sample : B155698-MSD1 Inst : MS-V5
Misc : 1 ;2L01003;25ML Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Dec 14 12:27 2022 Quant Results File: 82605C.RES

Quant Method : C:\HPCHEM\1...\82605C.M (RTE Integrator)
Title : EPA Method 8260C/D
Last Update : Thu Nov 17 08:03:26 2022
Response via : Initial Calibration
DataAcq Meth : 82605

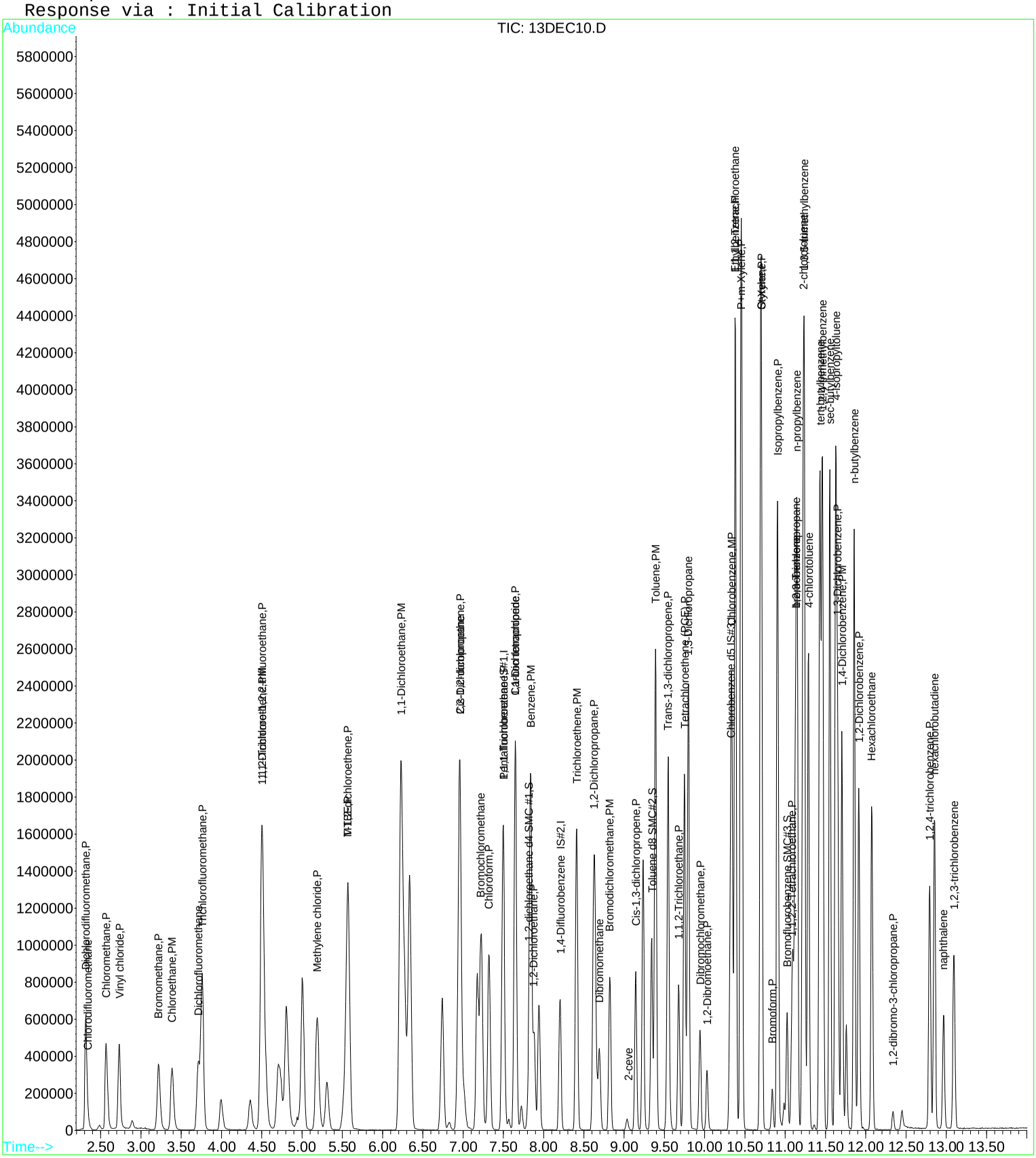
	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
52)	1,2,3-Trichloropropane	11.13	110	63140	27.39	ug/L		98
53)	n-propylbenzene	11.15	91	2260425	23.33	ug/L		95
54)	bromobenzene	11.13	156	453448	26.21	ug/L		98
55)	1,3,5-trimethylbenzene	11.24	105	1751797	24.67	ug/L		93
56)	2-chlorotoluene	11.22	91	1661534	24.47	ug/L		97
57)	4-chlorotoluene	11.29	91	1515892	25.36	ug/L		97
58)	tert-butylbenzene	11.43	119	2003356	26.45	ug/L		93
59)	1,2,4-trimethylbenzene	11.46	105	1687548	24.71	ug/L		95
60)	sec-butylbenzene	11.56	105	2229179	22.99	ug/L		94
61)	4-isopropyltoluene	11.63	119	1893187	25.36	ug/L		94
62)	1,3-Dichlorobenzene	11.65	146	928180	26.86	ug/L		98
63)	1,4-Dichlorobenzene	11.70	146	899845	27.20	ug/L		96
64)	n-butylbenzene	11.86	91	1698967	25.34	ug/L		97
65)	1,2-Dichlorobenzene	11.91	146	790373	27.43	ug/L		98
66)	Hexachloroethane	12.07	117	272280	23.50	ug/L	#	86
67)	1,2-dibromo-3-chloropropan	12.33	75	27374	26.22	ug/L		99
68)	1,2,4-trichlorobenzene	12.79	180	457818	29.79	ug/L		100
69)	hexachlorobutadiene	12.86	225	352977	31.31	ug/L		99
70)	naphthalene	12.96	128	546026	25.76	ug/L		100
71)	1,2,3-trichlorobenzene	13.10	180	352202	29.67	ug/L		100

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

Quantitation Report

Data File : D:\DATA\DEC2022C\DEC13\13DEC10.D Vial: 10
Acq On : 13 Dec 2022 9:21 am Operator: mgc
Sample : B155698-MSD1 Inst : MS-V5
Misc : 1 ;2L01003;25ML Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Dec 14 12:27 2022 Quant Results File: 82605C.RES

Method : C:\HPCHEM\1\METHODS\C\202211\14-1045\82605C.M (RTE Integrator)
Title : EPA Method 8260C/D
Last Update : Thu Nov 17 08:03:26 2022
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : D:\DATA\DEC2022C\DEC13\13DEC10.D Vial: 10
Acq On : 13 Dec 2022 9:21 am Operator: mgc
Sample : B155698-MSD1 Inst : MS-V5
Misc : 1 ;2L01003;25ML Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Dec 14 12:28 2022 Quant Results File: 82605CX.RES

Quant Method : C:\HPCHEM\1...\82605CX.M (RTE Integrator)
Title : EPA Method 8260C/DX
Last Update : Thu Dec 01 09:35:24 2022
Response via : Initial Calibration
DataAcq Meth : 82605

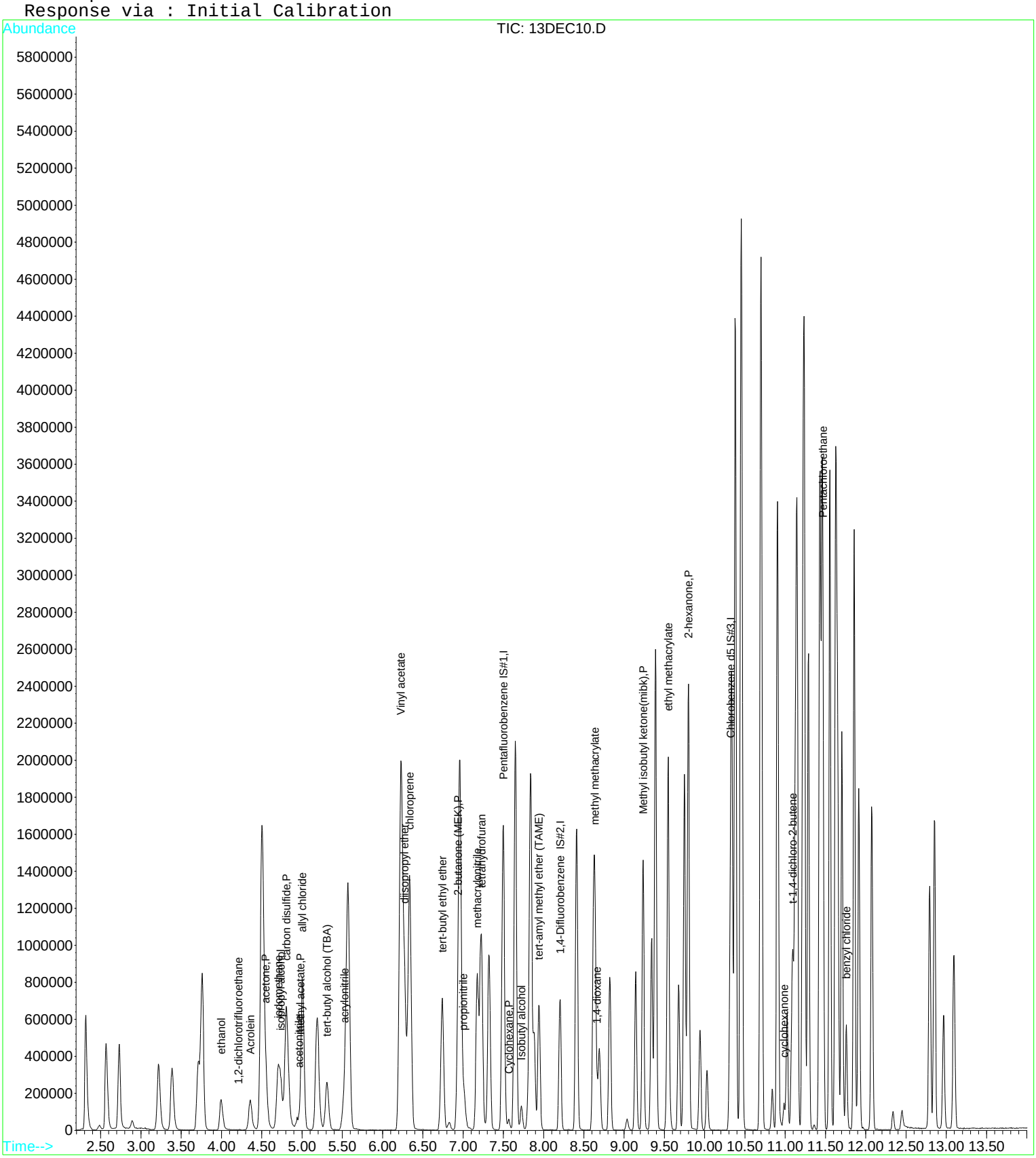
Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Pentafluorobenzene IS#1	7.50	137	65665	10.00	ug/L		0.00
29) 1,4-Difluorobenzene IS#2	8.20	63	131531	10.00	ug/L		0.00
36) Chlorobenzene d5 IS#3	10.32	119	164476	10.00	ug/L		0.00
Target Compounds							Qvalue
2) ethanol	4.00	45	259046	4143.38	ug/L		97
4) 1,2-dichlorotrifluoroethan	4.21	67	1358	0.05	ug/L	#	27
6) isopropyl alcohol	4.74	45	359029	1164.00	ug/L	#	50
7) Acrolein	4.36	56	252292	209.67	ug/L		83
8) acetone	4.55	43	574406	388.71	ug/L		94
9) tert-butyl alcohol (TBA)	5.31	59	452914	876.75	ug/L		100
10) acetonitrile	4.96	41	106777m	176.96	ug/L		
11) methyl acetate	4.97	43	11901	2.81	ug/L	#	74
12) allyl chloride	5.01	41	1424346	35.25	ug/L		95
13) iodomethane	4.71	142	618441	22.68	ug/L		96
14) acrylonitrile	5.52	53	197455	88.55	ug/L		96
15) carbon disulfide	4.81	76	1594786	24.90	ug/L		98
17) diisopropyl ether	6.28	87	257621	16.72	ug/L		94
18) Vinyl acetate	6.23	43	3488446	175.03	ug/L		97
19) chloroprene	6.34	53	1385521	37.52	ug/L		92
20) tert-butyl ethyl ether	6.74	59	809784	17.75	ug/L		98
21) 2-butanone (MEK)	6.93	43	483666	175.61	ug/L		97
22) propionitrile	7.01	54	307894	409.27	ug/L		99
23) Isobutyl alcohol	7.72	43	101086	391.97	ug/L		97
24) methacrylonitrile	7.18	67	442155	165.69	ug/L		86
26) tetrahydrofuran	7.23	42	647256	350.87	ug/L		94
27) Cyclohexane	7.57	56	32600	0.78	ug/L		87
28) tert-amyl methyl ether (TA	7.94	73	534599	16.36	ug/L		98
30) methyl methacrylate	8.64	69	393000	78.19	ug/L	#	11
32) 1,4-dioxane	8.67	88	108390	2373.06	ug/L		94
33) Methyl isobutyl ketone(mib	9.24	43	1042002	172.63	ug/L		95
34) ethyl methacrylate	9.55	69	835861	80.61	ug/L		98
35) 2-hexanone	9.80	43	1302856	339.52	ug/L		94
38) cyclohexanone	10.98	55	68633	69.95	ug/L		96
39) t-1,4-dichloro-2-butene	11.09	75	244227	92.07	ug/L		91
41) Pentachloroethane	11.47	167	146858	14.83	ug/L	#	79
42) benzyl chloride	11.76	91	426132	23.75	ug/L		96

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

Quantitation Report

Data File : D:\DATA\DEC2022C\DEC13\13DEC10.D Vial: 10
Acq On : 13 Dec 2022 9:21 am Operator: mgc
Sample : B155698-MSD1 Inst : MS-V5
Misc : 1 ;2L01003;25ML Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Dec 14 12:28 2022 Quant Results File: 82605CX.RES

Method : C:\HPCHEM\1\METHODS\C\202210\16-1301\82605CX.M (RTE Integrator)
Title : EPA Method 8260C/DX
Last Update : Thu Dec 01 09:35:24 2022
Response via : Initial Calibration



Raw Data - Lab Control Sample

Quantitation Report (QT Reviewed)

Data File : D:\DATA\DEC2022C\DEC13\13DEC07.D Vial: 7
Acq On : 13 Dec 2022 8:09 am Operator: mgc
Sample : B155698-BS1 Inst : MS-V5
Misc : 1 ;2L01003;25ML Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Dec 14 12:23 2022 Quant Results File: 82605C.RES

Quant Method : C:\HPCHEM\1...\82605C.M (RTE Integrator)
Title : EPA Method 8260C/D
Last Update : Thu Nov 17 08:03:26 2022
Response via : Initial Calibration
DataAcq Meth : 82605

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Pentafluorobenzene IS#1	7.51	137	56241	10.00	ug/L		0.00
26) 1,4-Difluorobenzene IS#2	8.20	63	113127	10.00	ug/L		0.00
41) Chlorobenzene d5 IS#3	10.32	119	138280	10.00	ug/L		0.00
System Monitoring Compounds							
23) 1,2-dichloroethane d4 SMC	7.81	65	127382	11.37	ug/L		0.00
Spiked Amount 10.000	Range 75 - 125		Recovery = 113.70%				
33) Toluene d8 SMC#2	9.34	98	585510	9.86	ug/L		0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 98.60%				
51) Bromofluorobenzene SMC#3	11.02	95	189192	10.69	ug/L		0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 106.90%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	2.32	85	634225	24.74	ug/L		97
3) Chlorodifluoromethane	2.34	51	13433	22.90	ug/L	#	72
4) Chloromethane	2.57	50	524797	19.36	ug/L		97
5) Vinyl chloride	2.73	62	458438	20.84	ug/L		99
6) Bromomethane	3.22	94	237114	17.18	ug/L		98
7) Chloroethane	3.38	64	384910	22.34	ug/L		99
8) Dichlorofluoromethane	3.71	67	494062	24.42	ug/L		99
9) Trichlorofluoromethane	3.76	101	841123	28.84	ug/L		100
10) 1,1,2-Trichloro-1,2,2-trif	4.51	101	445086	24.73	ug/L		97
11) 1,1-Dichloroethene	4.49	61	791490	24.99	ug/L		97
12) Methylene chloride	5.19	84	360446	21.83	ug/L		97
13) MTBE	5.55	73	648139	25.12	ug/L		96
14) T-1,2-dichloroethene	5.57	96	477277	23.50	ug/L		98
15) 1,1-Dichloroethane	6.23	63	853146	22.37	ug/L		96
16) 2,2-Dichloropropane	6.96	77	747900	26.39	ug/L		90
17) Cis-1,2-dichloroethene	6.96	96	475103	22.82	ug/L		96
18) Bromochloromethane	7.22	128	143040	22.07	ug/L		99
19) Chloroform	7.32	83	772663	25.26	ug/L		97
20) 1,1,1-Trichloroethane	7.50	97	778449	26.89	ug/L		91
21) 1,1-Dichloropropene	7.65	75	664632	25.39	ug/L		98
22) Carbon tetrachloride	7.65	119	571253	27.66	ug/L		98
24) 1,2-Dichloroethane	7.88	62	434784	28.65	ug/L		97
25) Benzene	7.84	78	1614377	21.34	ug/L		96
27) Trichloroethene	8.41	130	508345	26.15	ug/L		100
28) 1,2-Dichloropropane	8.62	63	411984	22.55	ug/L	#	33
29) Dibromomethane	8.69	93	144260	26.14	ug/L		98
30) Bromodichloromethane	8.82	83	471429	27.49	ug/L		98
31) 2-ceve	9.02	63	337872	66.65	ug/L		98
32) Cis-1,3-dichloropropene	9.14	75	533822	24.92	ug/L		99
34) Toluene	9.39	92	1055240	23.76	ug/L		92
35) Trans-1,3-dichloropropene	9.54	75	373590	26.44	ug/L		96
36) 1,1,2-Trichloroethane	9.68	97	210459	25.41	ug/L		96
37) Tetrachloroethene (PCE)	9.75	166	475386	26.29	ug/L		98
38) 1,3-Dichloropropane	9.79	76	360861	25.13	ug/L		99
39) Dibromochloromethane	9.94	129	240846	28.73	ug/L		99
40) 1,2-Dibromoethane	10.03	107	191992	27.55	ug/L		99
42) Chlorobenzene	10.34	112	1085065	23.99	ug/L		96
43) 1,1,1,2-Tetrachloroethane	10.38	131	334204	25.12	ug/L		98
44) Ethylbenzene	10.38	106	658775	24.06	ug/L		80
45) P+m-Xylene	10.46	106	1457572	46.54	ug/L		84
46) O-Xylene	10.70	106	722812	23.54	ug/L		88
47) Styrene	10.71	104	1043603	24.58	ug/L		96
48) Bromoform	10.84	173	79377	23.10	ug/L		97
49) Isopropylbenzene	10.91	105	1865829	24.03	ug/L		91
50) 1,1,2,2-Tetrachloroethane	11.08	83	177363	23.69	ug/L		98

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

Quantitation Report (QT Reviewed)

Data File : D:\DATA\DEC2022C\DEC13\13DEC07.D Vial: 7
Acq On : 13 Dec 2022 8:09 am Operator: mgc
Sample : B155698-BS1 Inst : MS-V5
Misc : 1 ;2L01003;25ML Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Dec 14 12:23 2022 Quant Results File: 82605C.RES

Quant Method : C:\HPCHEM\1...\82605C.M (RTE Integrator)
Title : EPA Method 8260C/D
Last Update : Thu Nov 17 08:03:26 2022
Response via : Initial Calibration
DataAcq Meth : 82605

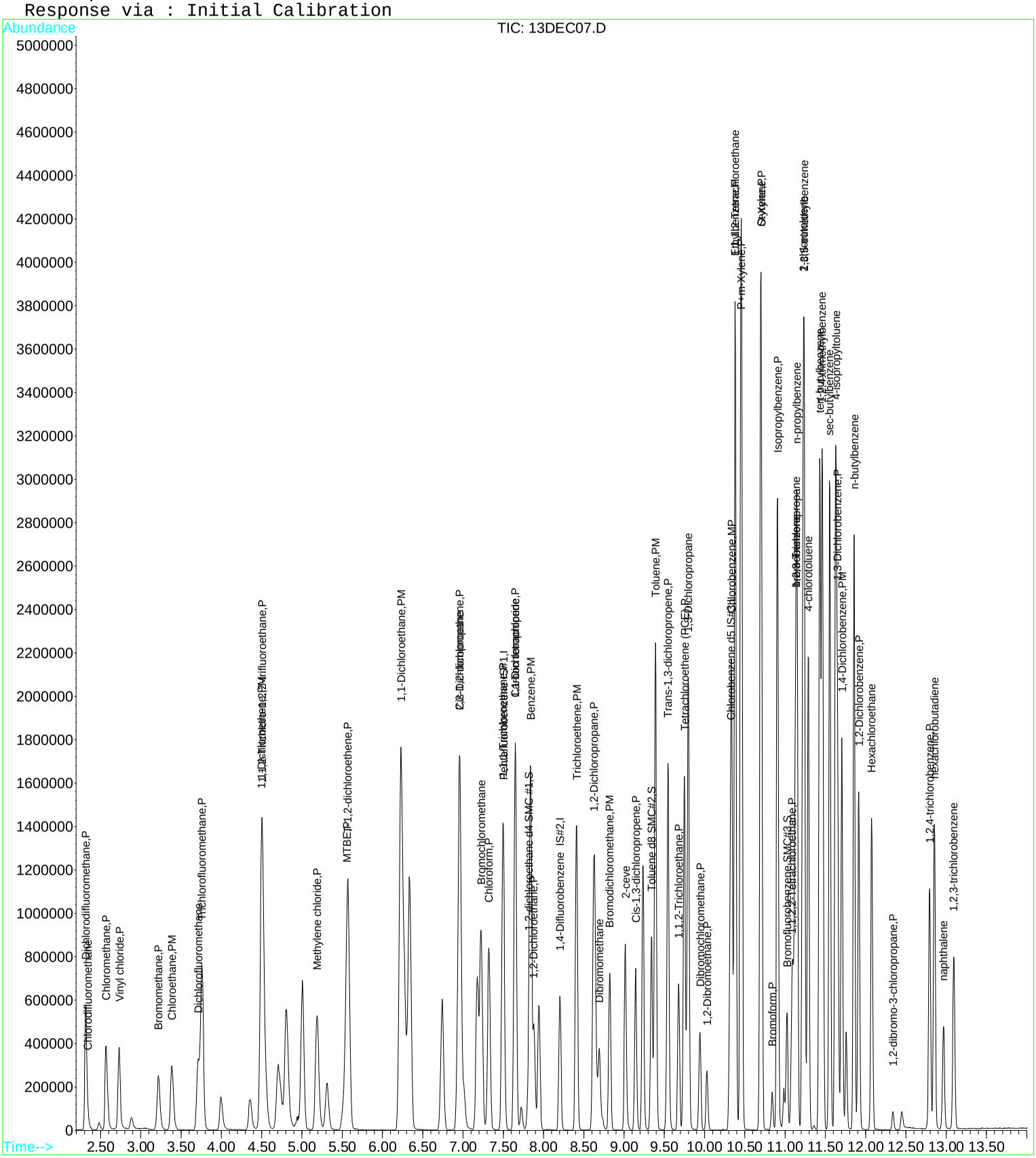
	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
52)	1,2,3-Trichloropropane	11.13	110	55542	28.66	ug/L		99
53)	n-propylbenzene	11.15	91	1949206	24.07	ug/L		92
54)	bromobenzene	11.13	156	374283	25.74	ug/L		96
55)	1,3,5-trimethylbenzene	11.24	105	1473353	24.68	ug/L		92
56)	2-chlorotoluene	11.22	91	1410488	24.71	ug/L		95
57)	4-chlorotoluene	11.29	91	1289518	25.66	ug/L		95
58)	tert-butylbenzene	11.43	119	1680574	26.39	ug/L		95
59)	1,2,4-trimethylbenzene	11.46	105	1449022	25.23	ug/L		92
60)	sec-butylbenzene	11.55	105	1923929	23.60	ug/L		92
61)	4-isopropyltoluene	11.63	119	1609931	25.65	ug/L		93
62)	1,3-Dichlorobenzene	11.65	146	775239	26.69	ug/L		99
63)	1,4-Dichlorobenzene	11.71	146	746343	26.83	ug/L		98
64)	n-butylbenzene	11.86	91	1435993	25.48	ug/L		96
65)	1,2-Dichlorobenzene	11.92	146	655282	27.05	ug/L		99
66)	Hexachloroethane	12.07	117	208340	21.62	ug/L	#	85
67)	1,2-dibromo-3-chloropropan	12.34	75	23926	27.16	ug/L		93
68)	1,2,4-trichlorobenzene	12.80	180	372836	28.85	ug/L		98
69)	hexachlorobutadiene	12.86	225	291343	30.74	ug/L		98
70)	naphthalene	12.97	128	428471	24.05	ug/L		100
71)	1,2,3-trichlorobenzene	13.10	180	288026	28.86	ug/L		99

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

Quantitation Report

Data File : D:\DATA\DEC2022C\DEC13\13DEC07.D Vial: 7
Acq On : 13 Dec 2022 8:09 am Operator: mgc
Sample : B155698-BS1 Inst : MS-V5
Misc : 1 ;2L01003;25ML Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Dec 14 12:23 2022 Quant Results File: 82605C.RES

Method : C:\HPCHEM\1\METHODS\C\202211\14-1045\82605C.M (RTE Integrator)
Title : EPA Method 8260C/D
Last Update : Thu Nov 17 08:03:26 2022
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : D:\DATA\DEC2022C\DEC13\13DEC07.D Vial: 7
Acq On : 13 Dec 2022 8:09 am Operator: mgc
Sample : B155698-BS1 Inst : MS-V5
Misc : 1 ;2L01003;25ML Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Dec 14 12:23 2022 Quant Results File: 82605CX.RES

Quant Method : C:\HPCHEM\1...\82605CX.M (RTE Integrator)
Title : EPA Method 8260C/DX
Last Update : Thu Dec 01 09:35:24 2022
Response via : Initial Calibration
DataAcq Meth : 82605

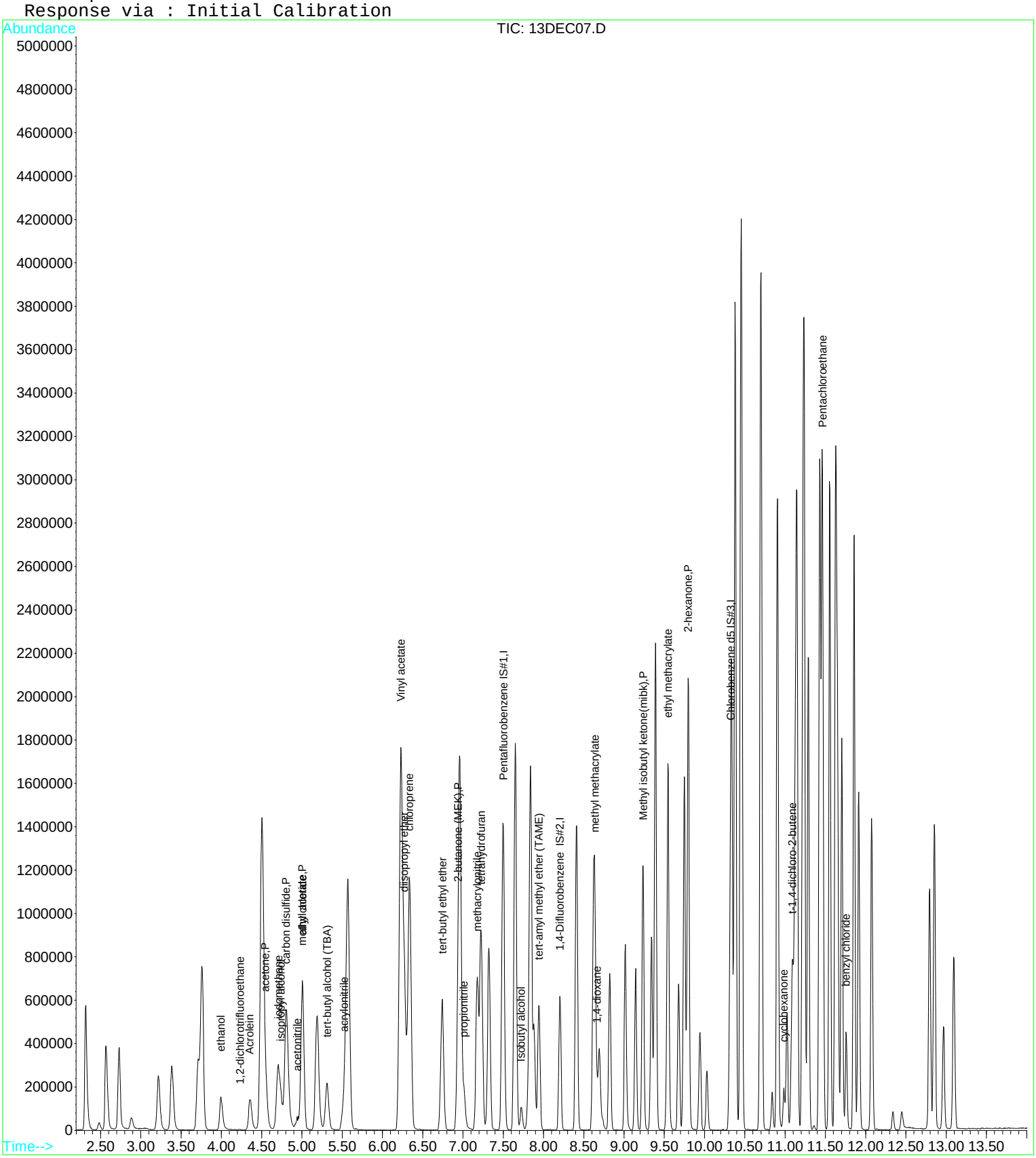
Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Pentafluorobenzene IS#1	7.51	137	56241	10.00	ug/L		0.00
29) 1,4-Difluorobenzene IS#2	8.20	63	113127	10.00	ug/L		0.00
36) Chlorobenzene d5 IS#3	10.32	119	138280	10.00	ug/L		0.00
Target Compounds							Qvalue
2) ethanol	3.99	45	230158	4298.18	ug/L		96
4) 1,2-dichlorotrifluoroethan	4.23	67	989	0.04	ug/L	#	20
6) isopropyl alcohol	4.74	45	206302	780.92	ug/L		73
7) Acrolein	4.35	56	218926	212.42	ug/L		83
8) acetone	4.55	43	440426	347.99	ug/L		91
9) tert-butyl alcohol (TBA)	5.31	59	369128	834.29	ug/L		100
10) acetonitrile	4.94	41	82552	159.73	ug/L	#	7
11) methyl acetate	5.00	43	14423	3.97	ug/L	#	63
12) allyl chloride	5.01	41	1132969	32.74	ug/L		97
13) iodomethane	4.70	142	533039	22.82	ug/L		95
14) acrylonitrile	5.52	53	170341	89.19	ug/L		98
15) carbon disulfide	4.81	76	1355930	24.71	ug/L		98
17) diisopropyl ether	6.27	87	214640	16.26	ug/L		94
18) Vinyl acetate	6.23	43	3013956	176.57	ug/L		95
19) chloroprene	6.33	53	1181558	37.35	ug/L		90
20) tert-butyl ethyl ether	6.74	59	681116	17.43	ug/L		98
21) 2-butanone (MEK)	6.93	43	409056	173.41	ug/L		97
22) propionitrile	7.01	54	269612	418.43	ug/L		98
23) Isobutyl alcohol	7.72	43	81441	368.72	ug/L		99
24) methacrylonitrile	7.18	67	364270	159.38	ug/L		86
26) tetrahydrofuran	7.23	42	555185	351.39	ug/L		92
28) tert-amyl methyl ether (TA	7.94	73	447307	15.98	ug/L		98
30) methyl methacrylate	8.64	69	318637	73.71	ug/L	#	1
32) 1,4-dioxane	8.67	88	93130	2370.67	ug/L		94
33) Methyl isobutyl ketone(mib	9.24	43	898002	172.97	ug/L		92
34) ethyl methacrylate	9.55	69	692285	77.63	ug/L		97
35) 2-hexanone	9.80	43	1128498	341.93	ug/L		90
38) cyclohexanone	10.98	55	88098	106.80	ug/L		96
39) t-1,4-dichloro-2-butene	11.10	75	173392	77.75	ug/L		91
41) Pentachloroethane	11.47	167	108897	13.08	ug/L	#	74
42) benzyl chloride	11.76	91	335250	22.22	ug/L		98

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

Quantitation Report

Data File : D:\DATA\DEC2022C\DEC13\13DEC07.D Vial: 7
Acq On : 13 Dec 2022 8:09 am Operator: mgc
Sample : B155698-BS1 Inst : MS-V5
Misc : 1 ;2L01003;25ML Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Dec 14 12:23 2022 Quant Results File: 82605CX.RES

Method : C:\HPCHEM\1\METHODS\C\202210\16-1301\82605CX.M (RTE Integrator)
Title : EPA Method 8260C/DX
Last Update : Thu Dec 01 09:35:24 2022
Response via : Initial Calibration



Raw Data - Lab Control Sample Duplicate

Quantitation Report (QT Reviewed)

Data File : D:\DATA\DEC2022C\DEC13\13DEC08.D Vial: 8
Acq On : 13 Dec 2022 8:33 am Operator: mgc
Sample : B155698-BSD1 Inst : MS-V5
Misc : 1 ;2L01003;25ML Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Dec 14 12:24 2022 Quant Results File: 82605C.RES

Quant Method : C:\HPCHEM\1...\82605C.M (RTE Integrator)
Title : EPA Method 8260C/D
Last Update : Thu Nov 17 08:03:26 2022
Response via : Initial Calibration
DataAcq Meth : 82605

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Pentafluorobenzene IS#1	7.50	137	60760	10.00	ug/L		0.00
26) 1,4-Difluorobenzene IS#2	8.20	63	121972	10.00	ug/L		0.00
41) Chlorobenzene d5 IS#3	10.32	119	148466	10.00	ug/L		0.00
System Monitoring Compounds							
23) 1,2-dichloroethane d4 SMC	7.81	65	137527	11.37	ug/L		0.00
Spiked Amount 10.000	Range 75 - 125		Recovery = 113.70%				
33) Toluene d8 SMC#2	9.34	98	623433	9.73	ug/L		0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 97.30%				
51) Bromofluorobenzene SMC#3	11.02	95	198845	10.47	ug/L		0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 104.70%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	2.32	85	654759	23.65	ug/L		99
3) Chlorodifluoromethane	2.34	51	13267	20.96	ug/L	#	1
4) Chloromethane	2.57	50	563315	19.24	ug/L		97
5) Vinyl chloride	2.73	62	501714	21.11	ug/L		99
6) Bromomethane	3.22	94	288213	19.33	ug/L		99
7) Chloroethane	3.39	64	403754	21.69	ug/L		99
8) Dichlorofluoromethane	3.71	67	526874	24.11	ug/L		99
9) Trichlorofluoromethane	3.75	101	884866	28.08	ug/L		100
10) 1,1,2-Trichloro-1,2,2-trif	4.51	101	480694	24.72	ug/L		97
11) 1,1-Dichloroethene	4.50	61	848167	24.79	ug/L		96
12) Methylene chloride	5.18	84	375442	21.05	ug/L		96
13) MTBE	5.56	73	700983	25.15	ug/L		96
14) T-1,2-dichloroethene	5.57	96	504802	23.00	ug/L		97
15) 1,1-Dichloroethane	6.23	63	903537	21.93	ug/L		97
16) 2,2-Dichloropropane	6.96	77	791906	25.87	ug/L		91
17) Cis-1,2-dichloroethene	6.96	96	504720	22.44	ug/L		95
18) Bromochloromethane	7.22	128	152070	21.72	ug/L		99
19) Chloroform	7.32	83	827595	25.04	ug/L		98
20) 1,1,1-Trichloroethane	7.49	97	839193	26.83	ug/L		92
21) 1,1-Dichloropropene	7.65	75	706548	24.98	ug/L		98
22) Carbon tetrachloride	7.65	119	627748	28.14	ug/L		100
24) 1,2-Dichloroethane	7.88	62	464902	28.36	ug/L		97
25) Benzene	7.84	78	1727184	21.13	ug/L		96
27) Trichloroethene	8.41	130	552190	26.35	ug/L		99
28) 1,2-Dichloropropane	8.62	63	447834	22.73	ug/L	#	33
29) Dibromomethane	8.70	93	150533	25.30	ug/L		93
30) Bromodichloromethane	8.82	83	509644	27.56	ug/L		99
31) 2-ceve	9.01	63	370715	67.83	ug/L		96
32) Cis-1,3-dichloropropene	9.14	75	586211	25.38	ug/L		99
34) Toluene	9.39	92	1137009	23.74	ug/L		93
35) Trans-1,3-dichloropropene	9.54	75	401674	26.37	ug/L		99
36) 1,1,2-Trichloroethane	9.68	97	224517	25.14	ug/L		96
37) Tetrachloroethene (PCE)	9.75	166	567803	29.12	ug/L		98
38) 1,3-Dichloropropane	9.79	76	381390	24.63	ug/L		100
39) Dibromochloromethane	9.94	129	263990	29.21	ug/L		99
40) 1,2-Dibromoethane	10.03	107	202600	26.96	ug/L		98
42) Chlorobenzene	10.34	112	1159224	23.87	ug/L		96
43) 1,1,1,2-Tetrachloroethane	10.38	131	362741	25.39	ug/L		99
44) Ethylbenzene	10.38	106	701445	23.86	ug/L		81
45) P+m-Xylene	10.45	106	1552972	46.18	ug/L		85
46) O-Xylene	10.69	106	782437	23.74	ug/L		92
47) Styrene	10.70	104	1106779	24.28	ug/L		97
48) Bromoform	10.84	173	90194	24.30	ug/L		95
49) Isopropylbenzene	10.90	105	1980704	23.76	ug/L		92
50) 1,1,2,2-Tetrachloroethane	11.08	83	190192	23.66	ug/L		99

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

Quantitation Report (QT Reviewed)

Data File : D:\DATA\DEC2022C\DEC13\13DEC08.D Vial: 8
Acq On : 13 Dec 2022 8:33 am Operator: mgc
Sample : B155698-BSD1 Inst : MS-V5
Misc : 1 ;2L01003;25ML Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Dec 14 12:24 2022 Quant Results File: 82605C.RES

Quant Method : C:\HPCHEM\1...\82605C.M (RTE Integrator)
Title : EPA Method 8260C/D
Last Update : Thu Nov 17 08:03:26 2022
Response via : Initial Calibration
DataAcq Meth : 82605

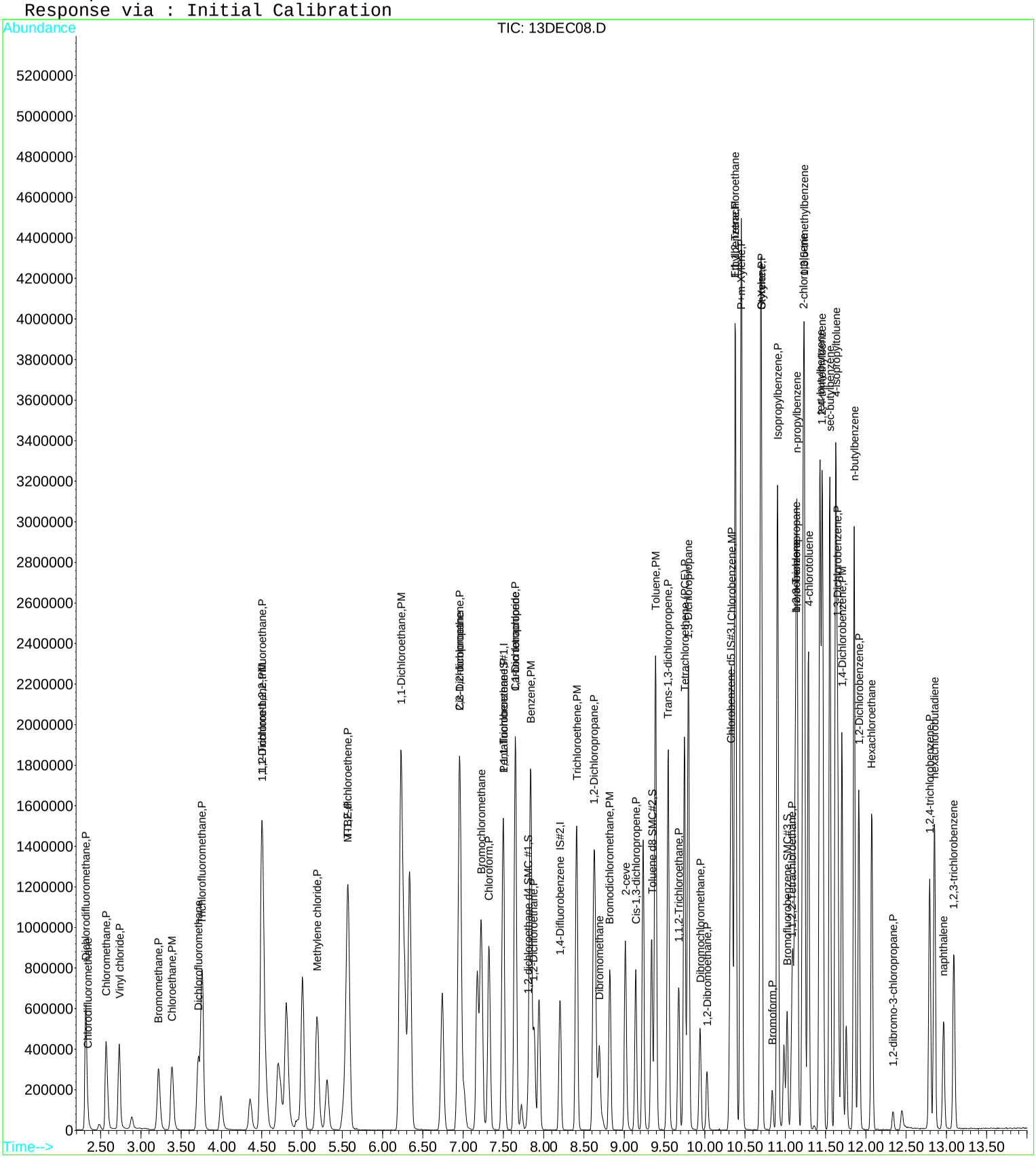
	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
52)	1,2,3-Trichloropropane	11.12	110	56358	27.08	ug/L		99
53)	n-propylbenzene	11.15	91	2067813	23.72	ug/L		92
54)	bromobenzene	11.12	156	396093	25.37	ug/L		95
55)	1,3,5-trimethylbenzene	11.24	105	1562433	24.38	ug/L		94
56)	2-chlorotoluene	11.22	91	1487500	24.27	ug/L		96
57)	4-chlorotoluene	11.29	91	1358793	25.18	ug/L		97
58)	tert-butylbenzene	11.43	119	1776953	25.99	ug/L		95
59)	1,2,4-trimethylbenzene	11.46	105	1542262	25.01	ug/L		92
60)	sec-butylbenzene	11.55	105	2027707	23.17	ug/L		93
61)	4-isopropyltoluene	11.63	119	1707887	25.35	ug/L		94
62)	1,3-Dichlorobenzene	11.65	146	835497	26.79	ug/L		98
63)	1,4-Dichlorobenzene	11.70	146	802357	26.87	ug/L		98
64)	n-butylbenzene	11.86	91	1536381	25.39	ug/L		96
65)	1,2-Dichlorobenzene	11.91	146	705578	27.13	ug/L		99
66)	Hexachloroethane	12.07	117	231556	22.29	ug/L	#	86
67)	1,2-dibromo-3-chloropropan	12.34	75	25768	27.23	ug/L		99
68)	1,2,4-trichlorobenzene	12.79	180	409010	29.48	ug/L		98
69)	hexachlorobutadiene	12.86	225	318932	31.34	ug/L		99
70)	naphthalene	12.97	128	474293	24.79	ug/L		100
71)	1,2,3-trichlorobenzene	13.10	180	310651	29.00	ug/L		99

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

Quantitation Report

Data File : D:\DATA\DEC2022C\DEC13\13DEC08.D Vial: 8
Acq On : 13 Dec 2022 8:33 am Operator: mgc
Sample : B155698-BSD1 Inst : MS-V5
Misc : 1 ;2L01003;25ML Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Dec 14 12:24 2022 Quant Results File: 82605C.RES

Method : C:\HPCHEM\1\METHODS\C\202211\14-1045\82605C.M (RTE Integrator)
Title : EPA Method 8260C/D
Last Update : Thu Nov 17 08:03:26 2022
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : D:\DATA\DEC2022C\DEC13\13DEC08.D Vial: 8
Acq On : 13 Dec 2022 8:33 am Operator: mgc
Sample : B155698-BSD1 Inst : MS-V5
Misc : 1 ;2L01003;25ML Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Dec 14 12:24 2022 Quant Results File: 82605CX.RES

Quant Method : C:\HPCHEM\1...\82605CX.M (RTE Integrator)
Title : EPA Method 8260C/DX
Last Update : Thu Dec 01 09:35:24 2022
Response via : Initial Calibration
DataAcq Meth : 82605

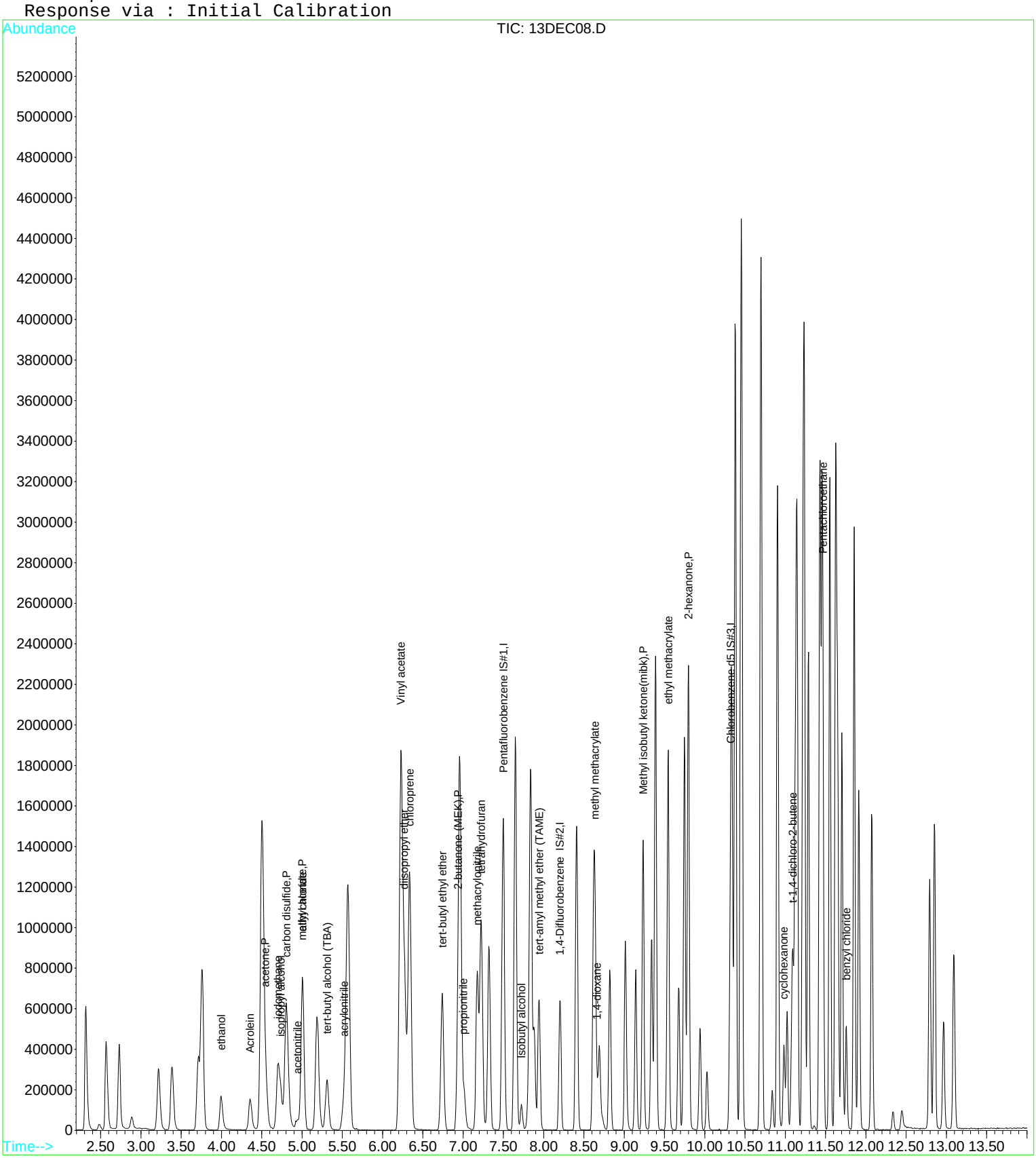
Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Pentafluorobenzene IS#1	7.50	137	60760	10.00	ug/L		0.00
29) 1,4-Difluorobenzene IS#2	8.20	63	121972	10.00	ug/L		0.00
36) Chlorobenzene d5 IS#3	10.32	119	148466	10.00	ug/L		0.00
Target Compounds							Qvalue
2) ethanol	4.00	45	250927	4337.51	ug/L		97
6) isopropyl alcohol	4.74	45	236353	828.13	ug/L	#	67
7) Acrolein	4.35	56	231994	208.36	ug/L		84
8) acetone	4.55	43	488878	357.54	ug/L		94
9) tert-butyl alcohol (TBA)	5.31	59	429887	899.36	ug/L		100
10) acetonitrile	4.94	41	87099	156.00	ug/L	#	11
11) methyl acetate	4.99	43	17778	4.53	ug/L		89
12) allyl chloride	5.00	41	1253560	33.53	ug/L		97
13) iodomethane	4.70	142	590402	23.38	ug/L		95
14) acrylonitrile	5.52	53	178616	86.57	ug/L		97
15) carbon disulfide	4.80	76	1475820	24.90	ug/L		97
17) diisopropyl ether	6.27	87	230807	16.18	ug/L		87
18) Vinyl acetate	6.23	43	3249944	176.23	ug/L		96
19) chloroprene	6.34	53	1285489	37.62	ug/L		91
20) tert-butyl ethyl ether	6.74	59	766013	18.15	ug/L		99
21) 2-butanone (MEK)	6.93	43	465183	182.53	ug/L		95
22) propionitrile	7.01	54	289978	416.57	ug/L		99
23) Isobutyl alcohol	7.72	43	94517	396.09	ug/L		99
24) methacrylonitrile	7.18	67	408585	165.47	ug/L		88
26) tetrahydrofuran	7.23	42	619940	363.19	ug/L		94
28) tert-amyl methyl ether (TA	7.94	73	505387	16.71	ug/L		97
30) methyl methacrylate	8.64	69	364999	78.31	ug/L	#	6
32) 1,4-dioxane	8.67	88	98757	2331.61	ug/L		91
33) Methyl isobutyl ketone(mib	9.23	43	1013668	181.09	ug/L		93
34) ethyl methacrylate	9.55	69	773729	80.47	ug/L		98
35) 2-hexanone	9.80	43	1269092	356.64	ug/L		91
38) cyclohexanone	10.98	55	193341	218.30	ug/L		98
39) t-1,4-dichloro-2-butene	11.10	75	189784	79.26	ug/L		93
41) Pentachloroethane	11.47	167	100186	11.20	ug/L	#	66
42) benzyl chloride	11.76	91	385420	23.80	ug/L		98

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

Quantitation Report

Data File : D:\DATA\DEC2022C\DEC13\13DEC08.D Vial: 8
Acq On : 13 Dec 2022 8:33 am Operator: mgc
Sample : B155698-BSD1 Inst : MS-V5
Misc : 1 ;2L01003;25ML Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Dec 14 12:24 2022 Quant Results File: 82605CX.RES

Method : C:\HPCHEM\1\METHODS\C\202210\16-1301\82605CX.M (RTE Integrator)
Title : EPA Method 8260C/DX
Last Update : Thu Dec 01 09:35:24 2022
Response via : Initial Calibration



Raw Data - Batch Information

Pace Analytical Bakersfield, CA

PREPARATION BENCH SHEET

B155698

Pace Analytical - Bakersfield

Printed: 2/20/2023 2:17:32PM

Matrix: Water | Prepared using: Volatiles - GC/MS - EPA 5030 Water MS | SurrogateUsed: 2I29008

Lab Number	Analysis	Prepared	By	Initial (ml)	Final (ml)	Spike ID	Source ID	ul Spike	ul Surrogate	% Solids
2229304-01 A	gm8260Cw Full QC Navy	12/13/2022 7:00AM	MGC	25	25				2	
2229304-01RE1 B	gm8260Cw Full QC Navy	12/13/2022 7:00AM	MGC	25	25				2	
2229304-01RE2 C	gm8260Cw Full QC Navy	12/13/2022 7:00AM	MGC	25	25				2	
2229321-01 A	gm8260Cw Full QC Navy	12/13/2022 7:00AM	MGC	25	25				2	
2229321-02 A	gm8260Cw Full QC Navy	12/13/2022 7:00AM	MGC	25	25				2	
2229425-01 A	gm8260Cw Full QC Navy	12/13/2022 7:00AM	MGC	25	25				2	
2229425-02 A	gm8260Cw Full QC Navy	12/13/2022 7:00AM	MGC	25	25				2	
2229425-03 A	gm8260Cw Full QC Navy	12/13/2022 7:00AM	MGC	25	25				2	
2229425-04 A	gm8260Cw Full QC Navy	12/13/2022 7:00AM	MGC	25	25				2	
2229425-05 A	gm8260Cw Full QC Navy	12/13/2022 7:00AM	MGC	25	25				2	
2229425-06 A	gm8260Cw Full QC Navy	12/13/2022 7:00AM	MGC	25	25				2	
2229425-07 A	gm8260Cw Full QC Navy	12/13/2022 7:00AM	MGC	25	25				2	
2229425-08 A	gm8260Cw Full QC Navy	12/13/2022 7:00AM	MGC	25	25				2	
2229425-09 A	gm8260Cw Full QC Navy	12/13/2022 7:00AM	MGC	25	25				2	
2229425-10 A	gm8260Cw Full QC Navy	12/13/2022 7:00AM	MGC	25	25				2	
2229425-11 A	gm8260Cw Full QC Navy	12/13/2022 7:00AM	MGC	25	25				2	
2229425-12 A	gm8260Cw Full QC Navy	12/13/2022 7:00AM	MGC	25	25				2	
2229425-13 A	gm8260Cw Full QC Navy	12/13/2022 7:00AM	MGC	25	25				2	
2229425-14 A	gm8260Cw Full QC Navy	12/13/2022 7:00AM	MGC	25	25				2	
B155698-BLK1	QC	12/13/2022 7:00AM	MGC	25	25				2	
B155698-BS1	QC	12/13/2022 7:00AM	MGC	25	25	2L01003		12.5	2	
B155698-BSD1	QC	12/13/2022 7:00AM	MGC	25	25	2L01003		12.5	2	
B155698-MS1	QC	12/13/2022 7:00AM	MGC	25	25	2L01003	2229425-02	12.5	2	
B155698-MSD1	QC	12/13/2022 7:00AM	MGC	25	25	2L01003	2229425-02	12.5	2	

Surrogate Mixes	Description	Solvent	Prepared	Expires
2I29008	8260 V5 WORK SURR. STD BATCH	Methanol VRL-17-6704	9/29/2022 5 by Miguel Chavez	12/29/2022
2L01003	8260 V5 I SPIKE COMBO	meoh	12/1/2022 7 by Miguel Chavez	2/28/2023

Raw Data - Sequence Information

Pace Analytical Bakersfield, CA

ANALYSIS SEQUENCE

2222745

Instrument: MS-V5
Calibration ID: 2212016 Sequence Date: 12/13/2022 Printed: 2/20/2023 2:17:32PM

Lab Number	Analysis	Container	Order	Position	STD ID	ISTD ID	Comments
2222745-ICV1	QC		1		2K14011		
2222745-ICB1	QC		2		2I30001		
2222745-ICV2	QC		3		2J16022		
2222745-ICB2	QC		4		2I30001		
2222745-TUN1	QC		5		2I28012		
2222745-CCV1	QC		6		2K14022		
2222745-CCV2	QC		7		2K21028		
2222745-CCB1	QC		8		2I30001		
B155698-BLK1	QC		9			2I29007	
2229425-02	gm8260Cw Full QC Navy	A	10			2I29007	
B155698-BS1	QC		11			2I29007	
B155698-BSD1	QC		12			2I29007	
B155698-MS1	QC		13			2I29007	
B155698-MSD1	QC		14			2I29007	
2229425-01	gm8260Cw Full QC Navy	A	15			2I29007	
2229425-03	gm8260Cw Full QC Navy	A	16			2I29007	
2229425-04	gm8260Cw Full QC Navy	A	17			2I29007	
2229425-05	gm8260Cw Full QC Navy	A	18			2I29007	
2229425-06	gm8260Cw Full QC Navy	A	19			2I29007	
2229425-07	gm8260Cw Full QC Navy	A	20			2I29007	
2229425-08	gm8260Cw Full QC Navy	A	21			2I29007	
2229425-09	gm8260Cw Full QC Navy	A	22			2I29007	
2229425-10	gm8260Cw Full QC Navy	A	23			2I29007	
2229425-11	gm8260Cw Full QC Navy	A	24			2I29007	
2229425-12	gm8260Cw Full QC Navy	A	25			2I29007	
2229425-13	gm8260Cw Full QC Navy	A	26			2I29007	
2229425-14	gm8260Cw Full QC Navy	A	27			2I29007	
2229304-01	gm8260Cw Full QC Navy	A	28			2I29007	
2222745-TUN2	QC		29		2I28012		
2222745-CCV3	QC		30		2K14022		
2222745-CCV4	QC		31		2K21028		
2222745-CCB2	QC		32		2I30001		
2229321-02	gm8260Cw Full QC Navy	A	33			2I29007	
2222745-TUN3	QC		34		2I28012		
2222745-CCV5	QC		35		2K14022		
2222745-CCV6	QC		36		2K21028		
2222745-CCB3	QC		37		2I30001		
2229321-01	gm8260Cw Full QC Navy	A	38			2I29007	
2229304-01RE1	gm8260Cw Full QC Navy	B	39			2I29007	
2229304-01RE2	gm8260Cw Full QC Navy	C	40			2I29007	

Pace Analytical Bakersfield, CA

ANALYSIS SEQUENCE

2222745

Instrument: MS-V5
Calibration ID: 2212016
Sequence Date: 12/13/2022
Printed: 2/20/2023 2:17:32PM

Lab Number	Analysis	Container	Order	Position	STD ID	ISTD ID	Comments
2222745-TUN4	QC		41		2I28012		
2222745-CCV7	QC		42		2K14022		
2222745-CCV8	QC		43		2K21028		
2222745-CCB4	QC		44		2I30001		

Pace Analytical ENVIRONMENTAL SCIENCES Bakersfield, CA

ANALYSIS SEQUENCE

2222926

Instrument: MS-V5
Calibration ID: 2212016
Sequence Date: 10/16/2022
Printed: 2/20/2023 2:17:32PM

Lab Number	Analysis	Container	Order	Position	STD ID	ISTD ID	Comments
2222926-TUN1	QC		1		2I28012		
2222926-CAL7	QC		2		2J16016		
2222926-CAL8	QC		3		2J16017		
2222926-CAL9	QC		4		2J16018		
2222926-CALA	QC		5		2J16019		
2222926-CALB	QC		6		2J16020		
2222926-CALC	QC		7		2J16021		
2222926-TUN2	QC		8		2I28012		
2222926-CAL1	QC		9		2K14005		
2222926-CAL2	QC		10		2K14006		
2222926-CAL3	QC		11		2K14007		
2222926-CAL4	QC		12		2K14008		
2222926-CAL5	QC		13		2K14009		
2222926-CAL6	QC		14		2K14010		

Ahtna-Pleasant Hill
2255 Contra Costa Blvd. Suite 312
Pleasant Hill, CA 94523

Reported: 2/20/2023 2:17:32PM
Project: Former USDB Lompoc
Project Number: 21044.006.01.000
Project Manager: Connor Dunn

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

February 27, 2023

SUBJECT: USDB Lompoc - Data Validation

Dear Ms. Bage,

Enclosed is the final validation report for the fractions listed below. This SDG was received on February 7, 2023. Attachment 1 is a summary of the samples that were reviewed for each analysis.

LDC Project #56001:

SDG #	Fraction
2229425	Volatiles

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

- Quality Assurance Project Plan/Work Plan, Enviornmental Long-Term Monitoring and Inspection, Former U.S. Disciplinary Barracks, Lompoc, California (November 2021)
- U.S. Department of Defense (DoD) Quality Systems Manual (QSM) for Enviornmental Laboratories, Version 5.3 (2019)
- U.S. DoD General Validation Guidelines (November 2019)
- U.S. Department of Defense (DoD) Data Validation Guidelines Module 1: Data Validation Procedure for Organic Analysis by GC/MS (May 2020)
- EPA SW 846, Third Edition, Test Methods for Evaluating Solid Waste, update 1, July 1992; update IIA, August 1993; update II, September 1994; update IIB, January 1995; update III, December 1996; update IIIA, April 1998; IIIB, November 2004; update IV, February 2007; update V, July 2014; update VI, July 2018

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

Sincerely,

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

ADR/Stage 4 90/10

LDC# 56001 (AHTNA Global - Pleasant Hill, CA / USDB Lompoc)

LDC	SDG#	DATE REC'D	(3) DATE DUE	VOA (8260C)																																	
Matrix:	Water/Soil			W	S	W	S	W	S	W	S	W	S	W	S	W	S	W	S	W	S	W	S	W	S	W	S	W	S	W	S	W	S	W	S	W	S
A	2229425	02/07/23	03/01/23	12	0																																
A	2229425	02/07/23	03/01/23	2	0																																
Total	TR/PG			14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	14

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

LDC Report# 56001

Automated Data Review Data Validation Report
USDB Lompoc

Sample Delivery Group(s)

2229425

February 27, 2023

Introduction

This Data Validation Report (DVR) presents data validation findings and results for the associated samples collected during the November 2022 sampling period. Data validation was performed in accordance with the Quality Assurance Project Plan/Work Plan, Environmental Long-Term Monitoring and Inspection, Former U.S. Disciplinary Barracks, Lompoc, California (November 2021), the U.S. Department of Defense (DoD) Quality Systems Manual (QSM) for Environmental Laboratories, Version 5.3 (2019), U.S. DoD General Validation Guidelines (November 2019), and the U.S. Department of Defense (DoD) Data Validation Guidelines Module 1: Data Validation Procedure for Organic Analysis by GC/MS (May 2020). Where specific guidance was not available, the data has been evaluated in a conservative manner consistent with industry standards using professional experience.

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

Volatile Organic Compounds (VOCs) by Environmental Protection Agency (EPA) SW 846 Method 8260C

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

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

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

J+ (Estimated, High Bias): The result was an estimated quantity, but the result may be biased high.

J- (Estimated, Low Bias): The result was an estimated quantity, but the result may be biased low.

J (Estimated, Bias Indeterminate): The reported result was an estimated value with an unknown bias.

U (Non-detected): The analyte was analyzed for and positively identified by the laboratory; however the analyte should be considered non-detected due to the presence of contaminants detected in the associated blank(s).

UJ (Non-detected estimated): The analyte was not detected and the associated numerical value is approximate.

X (Exclusion of data recommended): The sample results (including non-detects) were affected by serious deficiencies in the ability to analyze the sample and to meet published method and project quality control criteria. The presence or absence of the analyte cannot be substantiated by the data provided. Exclusion of the data is recommended.

NA (Not Applicable): The non-conformance discovered during data validation demonstrates a high bias, while the affected analyte in the associated sample(s) was reported as not detected by the laboratory and did not warrant the qualification of the data.

A qualification summary table is provided at the end of this report if data has been qualified. Flags are classified as P (protocol) or A (advisory) to indicate whether the flag is due to a laboratory deviation from a specified protocol or is of technical advisory nature.

Sample Receipt & Technical Holding Times

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

All technical holding time requirements were met.

GC/MS Instrument Performance Check

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

All ion abundance requirements were met.

Initial Calibration and Initial Calibration Verification

An initial calibration was performed as required by the method.

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

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

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

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

Continuing Calibration

Continuing calibration was performed at the required frequencies.

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

Date	Analyte	%D	Associated Samples	Flag	A or P
12/13/22	Chloromethane	30.4	All samples in SDG 2213551	UJ (all non-detects)	A

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

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

Laboratory Blanks

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

Field Blanks

Two trip blanks were collected and analyzed. No contaminants were found.

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

Surrogate Spikes

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

Matrix Spike/Matrix Spike Duplicates

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

Laboratory Control Samples

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

Field Duplicates

One field duplicate pair was collected and analyzed. No results were detected in the field duplicates. The field duplicates are identified in Attachment 1.

Target Analyte Quantitation

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

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

Target Analyte Identification

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

Overall Assessment of Data

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

Due to continuing calibration %D, data were qualified as estimated in fourteen samples.

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

Data flags are summarized and are presented as Attachment 2.

Attachment 1

Sample Cross Reference

Sample Cross Reference

Date Collected	Field Sample ID	Lab Sample ID	Sample Type	Prep Method	Analytical Method	Review Level
29-Nov-2022	Travel Blank	2229425-14	TB	5030	8260C	Stage 2B
29-Nov-2022	MW01-1122-N	2229425-01	N	5030	8260C	Stage 2B
29-Nov-2022	MW01B-1122-N	2229425-02	N	5030	8260C	Stage 2B
29-Nov-2022	MW01B-1122-NMS	B155698-MS1	MS	5030	8260C	Stage 2B
29-Nov-2022	MW01B-1122-NMSD	B155698-MSD1	MSD	5030	8260C	Stage 2B
29-Nov-2022	MW09A-1122-N	2229425-03	N	5030	8260C	Stage 4
29-Nov-2022	MW05A-1122-N	2229425-04	N	5030	8260C	Stage 2B
29-Nov-2022	MW12A-1122-N	2229425-05	N	5030	8260C	Stage 2B
29-Nov-2022	MW12A-1122-T	2229425-06	TB	5030	8260C	Stage 2B
29-Nov-2022	MW11A-1122-N	2229425-07	N	5030	8260C	Stage 2B
29-Nov-2022	MW10A-1122-N	2229425-08	N	5030	8260C	Stage 4
29-Nov-2022	MW04A-1122-FB	2229425-10	FB	5030	8260C	Stage 2B
29-Nov-2022	MW04A-1122-N	2229425-09	N	5030	8260C	Stage 2B
29-Nov-2022	MW08A-1122-N	2229425-11	N	5030	8260C	Stage 2B
29-Nov-2022	MW08A-1122-D	2229425-12	FD	5030	8260C	Stage 2B
29-Nov-2022	MW02-1122-N	2229425-13	N	5030	8260C	Stage 2B

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

Attachment 2

Overall Data Qualification Summary

Data Qualifier Summary

Lab Reporting Batch ID: 2229425 **Laboratory: BC Labs**

EDD Filename: EDD_2229425_ADR_ **eQAPP Name: AHTNA_Lompoc_211124**

Method Category: VOA

Method: 8260C **Matrix:** AQ

Sample ID: MW01-1122-N **Collected:** 11/29/2022 7:55:00 AM **Analysis Type:** RES **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,1-DICHLOROETHENE	0.15	J	0.20	LOD	0.50	LOQ	ug/L	J	RI
CHLOROMETHANE	0.16	U	0.16	LOD	0.50	LOQ	ug/L	UJ	Ccv
TRANS-1,2-DICHLOROETHENE	0.22	J	0.16	LOD	0.50	LOQ	ug/L	J	RI
TETRACHLOROETHENE	0.32	J	0.30	LOD	0.50	LOQ	ug/L	J	RI

Sample ID: MW01B-1122-N **Collected:** 11/29/2022 8:10:00 AM **Analysis Type:** RES **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
BENZENE	0.080	J	0.16	LOD	0.50	LOQ	ug/L	J	RI
CHLOROMETHANE	0.16	U	0.16	LOD	0.50	LOQ	ug/L	UJ	Ccv
TOLUENE	0.10	J	0.16	LOD	0.50	LOQ	ug/L	J	RI

Sample ID: MW02-1122-N **Collected:** 11/29/2022 10:50:00 AM **Analysis Type:** RES **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
CHLOROMETHANE	0.16	U	0.16	LOD	0.50	LOQ	ug/L	UJ	Ccv
TRICHLOROETHENE	0.29	J	0.16	LOD	0.50	LOQ	ug/L	J	RI

Sample ID: MW04A-1122-FB **Collected:** 11/29/2022 10:05:00 AM **Analysis Type:** RES **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
CHLOROMETHANE	0.16	U	0.16	LOD	0.50	LOQ	ug/L	UJ	Ccv

Sample ID: MW04A-1122-N **Collected:** 11/29/2022 10:10:00 AM **Analysis Type:** RES **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
CHLOROMETHANE	0.16	U	0.16	LOD	0.50	LOQ	ug/L	UJ	Ccv

Sample ID: MW05A-1122-N **Collected:** 11/29/2022 8:55:00 AM **Analysis Type:** RES **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
CHLOROMETHANE	0.16	U	0.16	LOD	0.50	LOQ	ug/L	UJ	Ccv
TETRACHLOROETHENE	0.13	J	0.30	LOD	0.50	LOQ	ug/L	J	RI

* denotes a non-reportable result

Project Name and Number: 21049 - NAAS Arcata

Data Qualifier Summary

Lab Reporting Batch ID: 2229425 **Laboratory: BC Labs**

EDD Filename: EDD_2229425_ADR_ **eQAPP Name: AHTNA_Lompoc_211124**

Method Category: VOA

Method: 8260C **Matrix:** AQ

Sample ID: MW05A-1122-N **Collected:** 11/29/2022 8:55:00 AM **Analysis Type:** RES **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
TRANS-1,2-DICHLOROETHENE	0.20	J	0.16	LOD	0.50	LOQ	ug/L	J	RI
VINYL CHLORIDE	0.36	J	0.16	LOD	0.50	LOQ	ug/L	J	RI

Sample ID: MW08A-1122-D **Collected:** 11/29/2022 10:25:00 AM **Analysis Type:** RES **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
CHLOROMETHANE	0.16	U	0.16	LOD	0.50	LOQ	ug/L	UJ	Ccv

Sample ID: MW08A-1122-N **Collected:** 11/29/2022 10:25:00 AM **Analysis Type:** RES **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
CHLOROMETHANE	0.16	U	0.16	LOD	0.50	LOQ	ug/L	UJ	Ccv

Sample ID: MW09A-1122-N **Collected:** 11/29/2022 8:35:00 AM **Analysis Type:** RES **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
CHLOROMETHANE	0.16	U	0.16	LOD	0.50	LOQ	ug/L	UJ	Ccv
TETRACHLOROETHENE	0.25	J	0.30	LOD	0.50	LOQ	ug/L	J	RI
TRICHLOROETHENE	0.18	J	0.16	LOD	0.50	LOQ	ug/L	J	RI
VINYL CHLORIDE	0.34	J	0.16	LOD	0.50	LOQ	ug/L	J	RI

Sample ID: MW10A-1122-N **Collected:** 11/29/2022 9:55:00 AM **Analysis Type:** RES **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
CHLOROMETHANE	0.16	U	0.16	LOD	0.50	LOQ	ug/L	UJ	Ccv
TRANS-1,2-DICHLOROETHENE	0.050	J	0.16	LOD	0.50	LOQ	ug/L	J	RI

Sample ID: MW11A-1122-N **Collected:** 11/29/2022 9:35:00 AM **Analysis Type:** RES **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
CHLOROMETHANE	0.16	U	0.16	LOD	0.50	LOQ	ug/L	UJ	Ccv
TRICHLOROETHENE	0.13	J	0.16	LOD	0.50	LOQ	ug/L	J	RI

* denotes a non-reportable result

Project Name and Number: 21049 - NAAS Arcata

Data Qualifier Summary

Lab Reporting Batch ID: 2229425 **Laboratory: BC Labs**

EDD Filename: EDD_2229425_ADR_ **eQAPP Name: AHTNA_Lompoc_211124**

Method Category: VOA

Method: 8260C ***Matrix:*** AQ

Sample ID: **MW12A-1122-N** ***Collected:*** **11/29/2022 9:15:00 AM** ***Analysis Type:*** **RES** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
CHLOROMETHANE	0.16	U	0.16	LOD	0.50	LOQ	ug/L	UJ	Ccv
TRANS-1,2-DICHLOROETHENE	0.080	J	0.16	LOD	0.50	LOQ	ug/L	J	RI
TRICHLOROETHENE	0.39	J	0.16	LOD	0.50	LOQ	ug/L	J	RI

Sample ID: **MW12A-1122-T** ***Collected:*** **11/29/2022 9:30:00 AM** ***Analysis Type:*** **RES** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
CHLOROMETHANE	0.16	U	0.16	LOD	0.50	LOQ	ug/L	UJ	Ccv

Sample ID: **Travel Blank** ***Collected:*** **11/29/2022 12:00:00 AM** ***Analysis Type:*** **RES** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
CHLOROMETHANE	0.16	U	0.16	LOD	0.50	LOQ	ug/L	UJ	Ccv

* denotes a non-reportable result

Project Name and Number: 21049 - NAAS Arcata

Data Qualifier Summary

Lab Reporting Batch ID: 2229425 **Laboratory: BC Labs**

EDD Filename: EDD_2229425_ADR_ **eQAPP Name: AHTNA_Lompoc_211124**

Reason Code Legend

Reason Code	*Description*
Ccv	Continuing Calibration Verification Percent Difference Lower Estimation
RI	Reporting Limit Trace Value

* denotes a non-reportable result

Project Name and Number: 21049 - NAAS Arcata

Enclosure I

Validation Outlier Reports

Quality Control
Outlier Reports

2229425

Reporting Limit Outliers

Lab Reporting Batch ID: 2229425 **Laboratory: BC Labs**

EDD Filename: EDD_2229425_ADR_ **eQAPP Name: AHTNA_Lompoc_211124**

Method: **8260C**

Matrix: **AQ**

SampleID	*Analyte*	*Lab Qual*	*Result*	*Reporting Limit*	*RL Type*	*Units*	*Flag*
MW01-1122-N	1,1-DICHLOROETHENE	J	0.15	0.50	LOQ	ug/L	
	TETRACHLOROETHENE	J	0.32	0.50	LOQ	ug/L	J (all detects)
	TRANS-1,2-DICHLOROETHENE	J	0.22	0.50	LOQ	ug/L	
MW01B-1122-N	BENZENE	J	0.080	0.50	LOQ	ug/L	J (all detects)
	TOLUENE	J	0.10	0.50	LOQ	ug/L	
MW02-1122-N	TRICHLOROETHENE	J	0.29	0.50	LOQ	ug/L	J (all detects)
MW05A-1122-N	TETRACHLOROETHENE	J	0.13	0.50	LOQ	ug/L	
	TRANS-1,2-DICHLOROETHENE	J	0.20	0.50	LOQ	ug/L	J (all detects)
	VINYL CHLORIDE	J	0.36	0.50	LOQ	ug/L	
MW09A-1122-N	TETRACHLOROETHENE	J	0.25	0.50	LOQ	ug/L	
	TRICHLOROETHENE	J	0.18	0.50	LOQ	ug/L	J (all detects)
	VINYL CHLORIDE	J	0.34	0.50	LOQ	ug/L	
MW10A-1122-N	TRANS-1,2-DICHLOROETHENE	J	0.050	0.50	LOQ	ug/L	J (all detects)
MW11A-1122-N	TRICHLOROETHENE	J	0.13	0.50	LOQ	ug/L	J (all detects)
MW12A-1122-N	TRANS-1,2-DICHLOROETHENE	J	0.080	0.50	LOQ	ug/L	J (all detects)
	TRICHLOROETHENE	J	0.39	0.50	LOQ	ug/L	

LDC #: 56001A1a

SDG #: 2229425

Laboratory: Pace Analytical Environmental Sciences, Bakersfield, CA

VALIDATION COMPLETENESS WORKSHEET

ADR/Stage 4

Date: 2/23/23

Page: 1 of 2

Reviewer: Q

2nd Reviewer: [illegible]

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

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

	Validation Area		Comments
I.	Sample receipt/Technical holding times	A	
II.	GC/MS Instrument performance check	A	
III.	Initial calibration/ICV	A/A	RSD ≤ 15%. r² ICV ≤ 20%
IV.	Continuing calibration / Ending	SW	CCV ≤ 20/50%
V.	Laboratory Blanks	A	
VI.	Field blanks	ND	FB = 10. TB = 14, 6
VII.	Surrogate spikes	A	
VIII.	Matrix spike/Matrix spike duplicates	A	
IX.	Laboratory control samples	A	LCS/D
X.	Field duplicates	ND	D = 11 + 12
XI.	Internal standards	A	
XII.	Target analyte quantitation	A	Reviewed for Stage 4 validation
XIII.	Target analyte identification	A	Reviewed for Stage 4 validation
XIV	Overall assessment of data	A	

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

** Indicates sample underwent Stage 4 validation

	Client ID	Lab ID	Matrix	Date
1	MW01-1122-N	2229425-01	Water	11/29/22
2	MW01B-1122-N	2229425-02	Water	11/29/22
3	MW09A-1122-N**	2229425-03**	Water	11/29/22
4	MW05A-1122-N	2229425-04	Water	11/29/22
5	MW12A-1122-N	2229425-05	Water	11/29/22
6	MW12A-1122-T	2229425-06	Water	11/29/22
7	MW11A-1122-N	2229425-07	Water	11/29/22
8	MW10A-1122-N**	2229425-08**	Water	11/29/22
9	MW04A-1122-N	2229425-09	Water	11/29/22
10	MW04A-1122-FB	2229425-10	Water	11/29/22
11	MW08A-1122-N	2229425-11	Water	11/29/22
12	MW08A-1122-D	2229425-12	Water	11/29/22
13	MW02-1122-N	2229425-13	Water	11/29/22
14	Travel Blank	2229425-14	Water	11/29/22
15	MW01B-1122-NMS	2229425-02MS	Water	11/29/22

LDC #: 56001A1a **VALIDATION COMPLETENESS WORKSHEET** Date: 2/3/23
SDG #: 2229425 ADR/Stage 4 Page: 2 of 2
Laboratory: Pace Analytical Environmental Sciences, Bakersfield, CA Reviewer: 9
2nd Reviewer:

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

	Client ID	Lab ID	Matrix	Date
16	MW01B-1122-NMSD	2229425-02MSD	Water	11/29/22
17				
18				
19				

Notes:

	B155698						

LDC #: 56001A19

VALIDATION FINDINGS CHECKLIST

Reviewer: Q

Method: Volatiles (EPA SW 846 Method 8260C)

Validation Area	Yes	No	NA	Findings/Comments
I. Technical holding times				
Were all technical holding times met?	✓			
Was cooler temperature criteria met?	✓			
II. GC/MS Instrument performance check				
Were the BFB performance results reviewed and found to be within the specified criteria?	✓			
Were all samples analyzed within the 12-hour clock criteria?	✓			
III. Initial calibration and Initial Calibration Verification				
Did the laboratory perform a 5-point calibration prior to sample analysis?	✓			
Were all percent relative standard deviations (%RSD) ≤ 15% and relative response factors (RRF) within method criteria?	✓			
Was a curve fit used for evaluation? If yes, did the initial calibration meet the curve fit acceptance criteria of ≥ 0.990?	✓			
Was an initial calibration verification (ICV) standard analyzed after each initial calibration for each instrument?	✓			
Were all ICV percent differences (%D) ≤ 20%?	✓			
IV. Continuing calibration				
Was a continuing calibration standard analyzed at least once every 12 hours for each instrument?	✓			
Were all percent differences (%D) ≤ 20% and relative response factors (RRF) within method criteria?		✓		
V. Laboratory Blanks				
Was a laboratory blank associated with every sample in this SDG?	✓			
Was a laboratory blank analyzed at least once every 12 hours for each matrix and concentration?	✓			
Was there contamination in the laboratory blanks?		✓		
VI. Field blanks				
Were field blanks were identified in this SDG?	✓			
Were target compounds detected in the field blanks?		✓		
VII. Surrogate spikes				
Were all surrogate percent recovery (%R) within QC limits?	✓			
If the percent recovery (%R) for one or more surrogates was out of QC limits, was a reanalysis performed to confirm samples with %R outside of criteria?			✓	
VIII. Matrix spike/Matrix spike duplicates				
Were matrix spike (MS) and matrix spike duplicate (MSD) analyzed in this SDG?	✓			

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

TARGET COMPOUND WORKSHEET

METHOD: VOA

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

LDC #: 56001A107

VALIDATION FINDINGS WORKSHEET
Continuing Calibration

Page: 1 of 1
Reviewer: 4

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

Please see qualifications below for all questions answered "N". Not applicable questions are identified as "N/A".

(Y) N N/A Was a continuing calibration standard analyzed at least once every 12 hours for each instrument?
(Y) N N/A Were percent differences (%D) and relative response factors (RRF) within method criteria for all CCC's and SPCC's ?
Y (N) N/A Were all %D and RRFs within the validation criteria of ≤20 %D and ≥0.05 RRF ?

#	Date	Standard ID	Analyte	Finding %D (Limit: ≤20.0%)	Finding RRF (Limit: ≥0.05)	Associated Samples	Qualifications
	12/18/22	130EC02	A	30.4		All (ND)	J-/UJ/A

CONCAL_8260B

LDC #: 36001A1/9

VALIDATION FINDINGS WORKSHEET
Initial Calibration Calculation Verification

Page: 1 of 1
Reviewer: 9

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

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

RRF = $(A_x)(C_{is})/(A_{is})(C_x)$
average RRF = sum of the RRFs/number of standards
%RSD = 100 * (S/X)

A_x = Area of compound,
C_x = Concentration of compound,
S = Standard deviation of the RRFs
X = Mean of the RRFs

A_{is} = Area of associated internal standard
C_{is} = Concentration of internal standard

#	Standard ID	Calibration Date	Compound (Reference Internal Standard)	Reported RRF (10 std)	Recalculated RRF (10 std)	Reported Average RRF (initial)	Recalculated Average RRF (initial)	Reported %RSD	Recalculated %RSD
1	ICAL	10/16/22	DDD (1st internal standard)	3.7557	3.7557	3.702149	3.702149	4.72845	4.728
			S (2nd internal standard)	1.69744	1.69744	1.718222	1.718222	5.65135	5.651
			FC (3rd internal standard)	2.28949	2.28949	2.249995	2.249995	8.97895	8979
			(4th internal standard)						
2			(1st internal standard)						
			(2nd internal standard)						
			(3rd internal standard)						
			(4th internal standard)						
3			(1st internal standard)						
			(2nd internal standard)						
			(3rd internal standard)						
			(4th internal standard)						
4			(1st internal standard)						
			(2nd internal standard)						
			(3rd internal standard)						
			(4th internal standard)						

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

LDC #: 56004A9

VALIDATION FINDINGS WORKSHEET
Continuing Calibration Results Verification

Reviewer: 9

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

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

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

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

#	Standard ID	Calibration Date	Compound (Reference internal Standard)	Average RRF (initial)	Reported RRF (CC)	Recalculated RRF (CC)	Reported %D	Recalculated %D
1	130EC02	12/12/22	QQQ (1st internal standard)	3.702449	3.376661	3.376661	8.8	8.8
			S (2nd internal standard)	1.718222	1.797506	1.797506	4.6	4.6
			GGG (3rd internal standard)	2.249995	2.052594	2.052594	8.8	8.8
			(4th internal standard)					
2			(1st internal standard)					
			(2nd internal standard)					
			(3rd internal standard)					
			(4th internal standard)					
3			(1st internal standard)					
			(2nd internal standard)					
			(3rd internal standard)					
			(4th internal standard)					
4			(1st internal standard)					
			(2nd internal standard)					
			(3rd internal standard)					
			(4th internal standard)					

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

LDC #: 56001A9

VALIDATION FINDINGS WORKSHEET
Surrogate Results Verification

Reviewer: Q

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

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

% Recovery: SF/SS * 100

Where: SF = Surrogate Found
SS = Surrogate Spiked

Sample ID: 8

	Surrogate Spiked	Surrogate Found	Percent Recovery Reported	Percent Recovery Recalculated	Percent Difference
Dibromofluoromethane					
1,2-Dichloroethane-d4	10.0	11.26	113	113	
Toluene-d8	↓	9.92	99.2	99.2	
Bromofluorobenzene	↓	9.50	95.0	95.0	

Sample ID:

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

Sample ID:

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

Sample ID:

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

Sample ID:

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

LDC #: 56001A19

VALIDATION FINDINGS WORKSHEET
Matrix Spike/Matrix Spike Duplicates Results Verification

Reviewer: 9

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

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

% Recovery = 100 * (SSC - SC)/SA Where: SSC = Spiked sample concentration; SA = Spike added; SC = Sample concentration

RPD = I MSC - MSC I * 2/(MSC + MSDC) MSC = Matrix spike concentration MSDC = Matrix spike duplicate concentration

MS/MSD sample: 15/16

Compound	Spike Added (ug/L)		Sample Concentration (ug/L)	Spiked Sample Concentration (ug/L)		Matrix Spike Percent Recovery		Matrix Spike Duplicate Percent Recovery		MS/MSD RPD	
	MS	MSD	------	MS	MSD	Reported	Recalc	Reported	Recalc	Reported	Recalculated
1,1-Dichloroethene	25.00	25.00	ND	24.67	24.31	98.7	98.7	97.2	97.2	1.5	1.5
Trichloroethene	↓	↓	↓	27.10	26.79	108	108	107	107	1.2	1.2
Benzene	↓	↓	0.08	21.53	21.67	85.8	85.8	86.4	86.4	0.6	0.6
Toluene	↓	↓	0.10	24.42	24.27	97.3	97.3	96.7	96.7	0.6	0.6
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.

LDC #: 56001A19

VALIDATION FINDINGS WORKSHEET
Laboratory Control Sample Results Verification

Reviewer: CA

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

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

% Recovery = 100 * SSC/SA Where: SSC = Spiked sample concentration; SA = Spike added

RPD = I LCSC - LCSDC I * 2/(LCSC + LCSDC) LCSC = Laboraotry control sample concentration LCSDC = Laboratory control sample duplicate concentration

LCS ID: B165698-BS1/-BSD1

Compound	Spike Added (ug/L)		Spiked Sample Concentration (ug/L)		LCS Percent Recovery		LCSD Percent Recovery		LCS/LCSD RPD	
	LCS	LCSD	LCS	LCSD	Reported	Recalc.	Reported	Recalc.	Reported	Recalculated
1,1-Dichloroethene	25.0	25.0	24.99	24.79	100	100	99.2	99.2	0.8	0.8
Trichloroethene	↓	↓	26.15	26.35	105	105	105	105	0.8	0.8
Benzene	↓	↓	21.34	21.13	85.4	85.4	84.5	84.5	1.0	1.0
Toluene	↓	↓	23.76	23.74	95.0	95.0	95.0	95.0	0.1	0.1
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.

LDC #: 56001A/9

VALIDATION FINDINGS WORKSHEET
Sample Calculation Verification

Page: 1 of 1
Reviewer: Q

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

Y N N/A Were all reported results recalculated and verified for all level IV samples?

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

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

A_x = Area of the characteristic ion (EICP) for the compound to be measured

A_{is} = Area of the characteristic ion (EICP) for the specific internal standard

I_s = Amount of internal standard added in nanograms (ng)

RRF = Relative response factor of the calibration standard.

V_o = Volume or weight of sample pruged in milliliters (ml) or grams (g).

Df = Dilution factor.

%S = Percent solids, applicable to soils and solid matrices only.

Example:

Sample I.D. 3, RRR:

Conc. = $\frac{(24088)(10.0)(1)}{(68198)(3.70449)(\quad)(\quad)}$

= 9.54 µg/L

#	Sample ID	Compound	Reported Concentration (µg/L)	Calculated Concentration (µg/L)	Qualification
	3	RRR	9.5	9.5	