2023 First Semiannual Groundwater Monitoring Report, Washrack Site

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

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Acronyms and Abbreviations

µg/L	micrograms per liter
Ahtna	Ahtna Global, LLC
amsl	above mean sea level
bgs	below ground surface
BOP	Bureau of Prisons
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
VOC	volatile organic compound

1.0 Introduction

On behalf of the U.S. Army Corps of Engineers (USACE), per Contract No. W912PL18D0044, Delivery Order No. W912PL21F0041, Ahtna Global, LLC (Ahtna) has prepared this *2023 First Semiannual Groundwater Monitoring Report* for the Washrack Site located at the Former U.S. Disciplinary Barracks (USDB), Lompoc, California (Figure 1). The report documents the methods and results of the semiannual groundwater monitoring event conducted at the Washrack Site in June 2023.

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 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 pad corner. The concrete wash pad was sloped so that water from the steam-cleaning process was drained into a 2 ft by 4 ft catch basin in the middle of the pad. In the past, water drained from the catch basin through underground piping to the sanitary sewer line and then into the FCC's wastewater treatment plant.

The Greaserack Site, considered part of the Washrack Site, is 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 interbedded fine-grained sand lenses less than four feet thick. Fine to medium-grained sand is encountered below approximately 45 to 50 ft bgs (at the base of the silts and clays). Coarse-grained sand with gravel is encountered between approximately 110 and 130 ft bgs, and finer-grained materials (silts, clayey sand, and/or clays) are encountered between approximately 130 and 140 ft bgs. Groundwater in the shallow A-Zone typically ranges from 80 to 85 ft bgs (approximately 35–40 ft amsl). Saturated sands extend to 140 ft bgs, the depth of the deep (B-Zone) well WR-MW-01B (Arcadis, 2004b).

The flow direction within the A-Zone is typically northwest at a low gradient with less than 1 ft of elevation difference between the most upgradient (WR-MW-08A) and most downgradient (WR-MW-04A) wells, located approximately 250 ft apart. Seasonal variations in water levels are small, 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; Figure 2) were installed and monitored since the third quarter of 2004.

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

In September 2005, the ERD program was expanded at the Washrack Site by adding 12 injection wells (WR-IW-05 through WR-IW-16; Figure 2) and one monitoring well (WR-MW-12A) in accordance with the *Analysis of ERD Injections and Proposed Expansion of the ERD Program at the Washrack Site* (Arcadis, 2005b). One monitoring well (WR-MW-04B) was 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 first 2023 semiannual groundwater monitoring fieldwork was conducted on June 15, 2023. Fieldwork was performed according to the requirements specified in the following project plans:

- *Accident Prevention Plan, Environmental Long-Term Monitoring and Inspection, Former U.S. Disciplinary Barracks, Lompoc, California* (Ahtna, 2021a)
- *Quality Assurance Project Plan/Work Plan (QAPP/WP), Environmental Long-Term Monitoring and Inspection, Former U.S. Disciplinary Barracks, Lompoc, California* (Ahtna, 2021b)
- *Post Mitigation Monitoring Plan (PMM), Washrack Site, Former U.S. Disciplinary Barracks, Lompoc, California (Arcadis*, 2009b)
- *Change Memorandum 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 repairs were performed in this event:

- Labels were added to all well locations.
- Soil was removed from the well boxes for WR-MW-09A and WR-MW-10A.

The remaining deficiencies include:

- Bolts are missing at four wells: WR-MW-01, -07A, -11A, and -12A.
- Bolt holes are stripped and need to be re-tapped at six wells: WR-MW-01, -01B, -02, -05A, -07A, and -12A.
- All well gaskets are recommended for replacement to prevent soil and water infiltration. This observation was noted in previous reports.

Field notes from past monitoring events have documented obstructions in monitoring wells WR-MW-01 and WR-MW-02. The obstructions are assumed to be due to bent well 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.

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 second semiannual groundwater monitoring event (November 2022), PDBs were installed in nine wells. On June 15, 2023, the PDBs were retrieved, and VOC samples were collected by directly discharging groundwater into laboratory-provided sample containers (Table 2). 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 second semiannual event. New PDBs, pre-filled with deionized water, were set and submerged in the ten monitoring wells scheduled for sampling. The PDBs are set for specific depths using dedicated O-rings and zip ties attached to the tether and measured from the top of casing. 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 was held between Ahtna and USACE representatives before beginning fieldwork to confirm an understanding of the scope of work. The field event lasted one day, so a single initial and follow-up phase inspection was performed. 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 2023 first semiannual event.

Supporting data includes:

Table 1— Groundwater elevation data and well details

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 42.22 to 42.84 ft amsl (Table 1). The water table is relatively flat, with a groundwater gradient of 0.0024 ft/ft between the most upgradient well (WR-MW-08A) and the most downgradient (WR-MW-04A). The overall flow direction is toward the north-northwest, consistent with historical observations (Figure 3).

Well WR-MW-01B, screened in Aquifer Zone B, had a groundwater elevation of 39.75 ft amsl. Comparing this elevation against the elevation at nearby WR-MW-01 (42.37 ft amsl) indicates a downward gradient between the A and B Aquifers.

From November 2022 to June 2023, groundwater levels increased in all wells, averaging an increase of 1.82 ft.

4.2 VOC Analytical Results

All COCs were detected in at least one sample and all wells had at least one COC detection except for WR-MW-08A (Table 4). WR-MW-08A is an upgrade of the VOC plume. A summary of the COC concentrations is provided in Table 4-1 below.

Table 4-1. Summary of COC Results

	MCLs (µg/L)		Number of Wells with			Maximum Concentration	
Analyte	CA	Federal	Detections	CA MCL Exceedances	Federal MCL Exceedances	Location	Result (µg/L)
PCE	5	5	8	3	3	WR-MW-04A	11
TCE	5	5	6	1	1	WR-MW-01	5.8
cis-1,2-DCE	6	70	6	3	0	WR-MW-05A	11
Vinyl chloride	0.5	2	2	1	0	WR-MW-05A	0.52 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. Seven of the ten wells in the current sampling network have had a COC concentration exceeding the MCLs at least once within the past four semiannual events (December 2021–June 2023). 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* did not show decreasing trends in COC concentrations throughout the network (Ahtna, 2022).
3. 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 higher than TCE and vinyl chloride concentrations. This observation, paired with a general lack of decreasing COC concentrations, indicates that dechlorination is not progressing.
4. Water levels decreased sharply from 2012 to 2016; however, recent data indicate steady increases of approximately 0.5 ft/year. A greater water level increase was observed in this event likely due to heavy rainfall during the wet season.
5. Short-term seasonal variations in groundwater levels and COC concentrations appear minimal, with similar results observed in the second and fourth-quarter sampling events. Longer term variations in COC concentrations have been observed at select wells (WR-MW-02 and WR-MW-09A) and may be influenced by year-over-year changes in water levels at the Site.

It is recommended that groundwater monitoring be continued semiannually and obstructions in monitoring wells WR-MW-01 and WR-MW-02 be investigated using a downhole camera. The path toward site closure should be determined in consultation with the Central Coast Regional Water Quality Control Board.

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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)				Jun 2023	Nov 2022	Change
WR-MW-01	2079737	5808543	A	2	122.05	71.50	86.5	06/15/23	87.60	79.68	42.37	40.75	1.62
WR-MW-01B	2079736	5808531	B	2	122.15	130.0	140.0	06/15/23	140.40	82.40	39.75	36.84	2.91
WR-MW-02	2079633	5808536	A	2	121.73	72.5	87.5	06/15/23	88.20	79.14	42.59	41.72	0.87
WR-MW-04A	2079776	5808301	A	2	121.55	75.0	85.0	06/15/23	84.70	79.33	42.22	40.47	1.75
WR-MW-05A	2079733	5808469	A	2	121.85	75.0	85.0	06/15/23	85.20	79.47	42.38	40.43	1.95
WR-MW-07A	2079787	5808621	A	2	119.33	75.0	85.0	06/15/23	83.50	76.75	42.58	40.74	1.84
WR-MW-08A	2079610	5808499	A	2	121.30	75.0	85.0	06/15/23	85.10	78.46	42.84	41.05	1.79
WR-MW-09A	2079767	5808513	A	2	122.17	75.0	85.0	06/15/23	85.00	79.80	42.37	40.42	1.95
WR-MW-10A	2079770	5808360	A	2	121.95	75.0	85.0	06/15/23	84.50	79.72	42.23	40.50	1.73
WR-MW-11A	2079698	5808347	A	2	121.99	75.0	85.0	06/15/23	84.70	79.70	42.29	40.49	1.80
WR-MW-12A	2079739	5808384	A	2	121.80	75.0	85.0	06/15/23	84.90	79.51	42.29	40.45	1.84

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	06/15/23
WR-MW-01B	B	✓	VOCs	EPA 8260C	Annual	—	—	—
WR-MW-02	A	✓	VOCs	EPA 8260C	Semiannual	PDB	NS	06/15/23
WR-MW-04A	A	✓	VOCs	EPA 8260C	Semiannual	PDB	NS	06/15/23
WR-MW-05A	A	✓	VOCs	EPA 8260C	Semiannual	PDB	NS	06/15/23
WR-MW-07A	A	✓	—	—	—	—	—	—
WR-MW-08A	A	✓	VOCs	EPA 8260C	Semiannual	PDB	NS/FD	06/15/23
WR-MW-09A	A	✓	VOCs	EPA 8260C	Semiannual	PDB	NS	06/15/23
WR-MW-10A	A	✓	VOCs	EPA 8260C	Semiannual	PDB	NS	06/15/23
WR-MW-11A	A	✓	VOCs	EPA 8260C	Semiannual	PDB	NS	06/15/23
WR-MW-12A	A	✓	VOCs	EPA 8260C	Semiannual	PDB	NS	06/15/23

Notes:
EPA= Environmental Protection Agency
FD= Field 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	Bromodi-chloromethane	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**	**Sample Date**	**Type**	Result	Result	Result	Result	Result	Result	Result	Result
WR-MW-01	MW01-0623-N	6/15/2023	NS	0.16 U	0.20 U	3 U	8 U	0.16 U	0.30 U	0.30 U	0.16 U
WR-MW-01B	—	—	—	—	—	—	—	—	—	—	—
WR-MW-02	MW02-0623-N	6/15/2023	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-0623-N	6/15/2023	NS	0.16 U	0.20 U	3 U	460	0.16 U	0.30 U	0.30 U	0.16 U
WR-MW-05A	MW05A-0623-N	6/15/2023	NS	0.16 U	0.20 U	3 U	120	0.16 U	0.30 U	0.30 U	0.16 U
WR-MW-08A	MW08A-0623-N	6/15/2023	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-0623-N	6/15/2023	NS	0.16 U	0.20 U	3 U	340	0.16 U	0.30 U	0.30 U	0.16 U
WR-MW-10A	MW10A-0623-N	6/15/2023	NS	0.16 U	0.20 U	3 U	70	0.16 U	0.30 U	0.30 U	0.16 U
WR-MW-11A	MW11A-0623-N	6/15/2023	NS	0.16 U	0.20 U	3 U	1100	0.16 U	0.30 U	0.30 U	0.16 U
WR-MW-12A	MW12A-0623-D	6/15/2023	FD	0.16 U	0.20 U	3 U	1000 J	0.16 U	0.30 U	0.30 U	0.16 U
WR-MW-12A	MW12A-0623-N	6/15/2023	NS	0.16 U	0.20 U	3 U	230 J	0.16 U	0.30 U	0.30 U	0.16 U

Table 3. Groundwater Monitoring Results — All Volatile Organic Compounds

			Analyte	Chloromethane	cis-1,2-Dichloroethene	Dibromo-chloromethane	tert-Butyl methyl ether (MTBE)	Tetrachloroethene	Toluene	Total xylenes	trans-1,2-Dichloroethene
			Analytical Method	SW8260C	SW8260C	SW8260C	SW8260C	SW8260C	SW8260C	SW8260C	SW8260C
			Units	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
			California MCL	—	6	80	13	5	150	1750	10
			Federal MCL	—	70	80	—	5	1000	10000	100
Location	**Sample ID**	**Sample Date**	**Type**	Result	Result	Result	Result	Result	Result	Result	Result
WR-MW-01	MW01-0623-N	6/15/2023	NS	0.16 U	3.5	0.16 U	0.16 U	3.2	0.16 U	0.46 U	0.16 U
WR-MW-01B	—	—	—	—	—	—	—	—	—	—	—
WR-MW-02	MW02-0623-N	6/15/2023	NS	0.16 U	0.16 U	0.16 U	0.16 U	**10**	0.16 U	0.46 U	0.16 U
WR-MW-04A	MW04A-0623-N	6/15/2023	NS	0.16 U	2.1	0.16 U	0.16 U	**11**	0.16 U	0.46 U	0.16 U
WR-MW-05A	MW05A-0623-N	6/15/2023	NS	0.16 U	**11**	0.16 U	0.16 U	0.16 J	0.16 U	0.46 U	0.16 J
WR-MW-08A	MW08A-0623-N	6/15/2023	NS	0.16 U	0.16 U	0.16 U	0.16 U	0.30 U	0.16 U	0.46 U	0.16 U
WR-MW-09A	MW09A-0623-N	6/15/2023	NS	0.16 U	**8.6**	0.16 U	0.16 U	0.30 J	0.16 U	0.46 U	0.16 U
WR-MW-10A	MW10A-0623-N	6/15/2023	NS	0.16 U	4.8	0.16 U	0.16 U	**5.2**	0.16 U	0.46 U	0.060 J
WR-MW-11A	MW11A-0623-N	6/15/2023	NS	0.16 U	0.16 U	0.16 U	0.16 U	3.6	0.16 U	0.46 U	0.16 U
WR-MW-12A	MW12A-0623-D	6/15/2023	FD	0.16 U	**6.4**	0.16 U	0.16 U	2.5 J	0.16 U	0.46 U	0.080 J
WR-MW-12A	MW12A-0623-N	6/15/2023	NS	0.16 U	**7.8**	0.16 U	0.16 U	1.9 J	0.16 U	0.46 U	0.070 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**	**Sample Date**	**Type**	Result	Result
WR-MW-01	MW01-0623-N	6/15/2023	NS	**5.8**	0.16 U
WR-MW-01B	—	—	—	—	—
WR-MW-02	MW02-0623-N	6/15/2023	NS	0.16 U	0.16 U
WR-MW-04A	MW04A-0623-N	6/15/2023	NS	1.8	0.16 U
WR-MW-05A	MW05A-0623-N	6/15/2023	NS	0.16 U	**0.52 J**
WR-MW-08A	MW08A-0623-N	6/15/2023	NS	0.16 U	0.16 U
WR-MW-09A	MW09A-0623-N	6/15/2023	NS	0.17 J	0.21 J
WR-MW-10A	MW10A-0623-N	6/15/2023	NS	1.2	0.16 U
WR-MW-11A	MW11A-0623-N	6/15/2023	NS	0.080 J	0.16 U
WR-MW-12A	MW12A-0623-D	6/15/2023	FD	0.48 J	0.16 U
WR-MW-12A	MW12A-0623-N	6/15/2023	NS	0.53	0.16 U

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

Table 4. Groundwater Monitoring Results — Contaminants of Concern

				Analyte	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	MW01-0623-N	06/15/23	NS		3.5	3.2	**5.8**	0.16 U
WR-MW-02	MW02-0623-N	06/15/23	NS		0.16 U	**10**	0.16 U	0.16 U
WR-MW-04A	MW04A-0623-N	06/15/23	NS		2.1	**11**	1.8	0.16 U
WR-MW-05A	MW05A-0623-N	06/15/23	NS		**11**	0.16 J	0.16 U	**0.52 J**
WR-MW-08A	MW08A-0623-N	06/15/23	NS		0.16 U	0.30 U	0.16 U	0.16 U
WR-MW-09A	MW09A-0623-N	06/15/23	NS		**8.6**	0.30 J	0.17 J	0.21 J
WR-MW-10A	MW10A-0623-N	06/15/23	NS		4.8	**5.2**	1.2	0.16 U
WR-MW-11A	MW11A-0623-N	06/15/23	NS		0.16 U	3.6	0.080 J	0.16 U
WR-MW-12A	MW12A-0623-N	06/15/23	NS		**7.8**	1.9 J	0.53	0.16 U

Notes:

µg/L= micrograms per liter

Bold Underline= exceeds State and Federal MCL

Bold= exceeds the State MCL

FD= Field duplicate

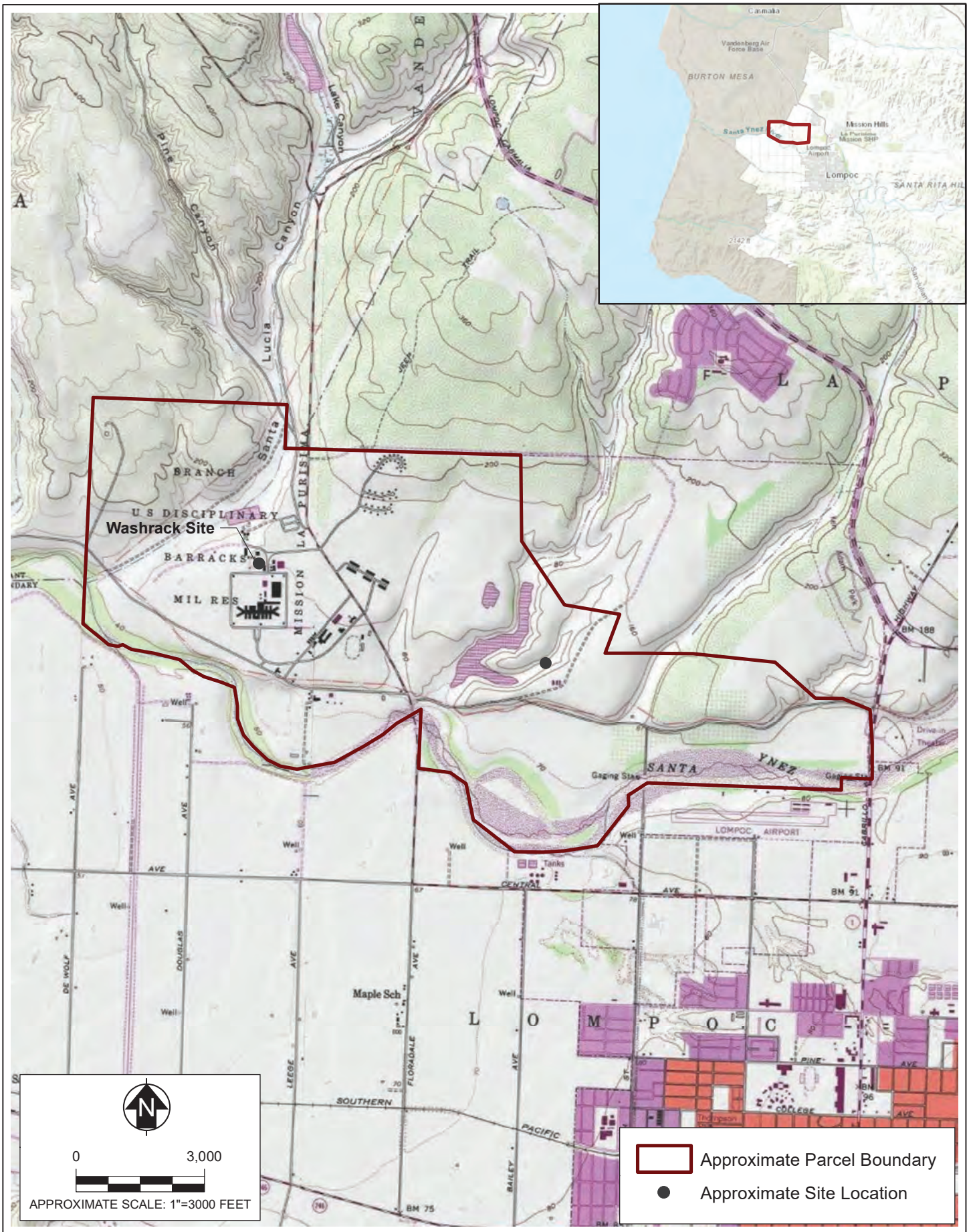
J= Estimated value; (+) high bias (-) low bias

MCL= Maximum Contaminant Level

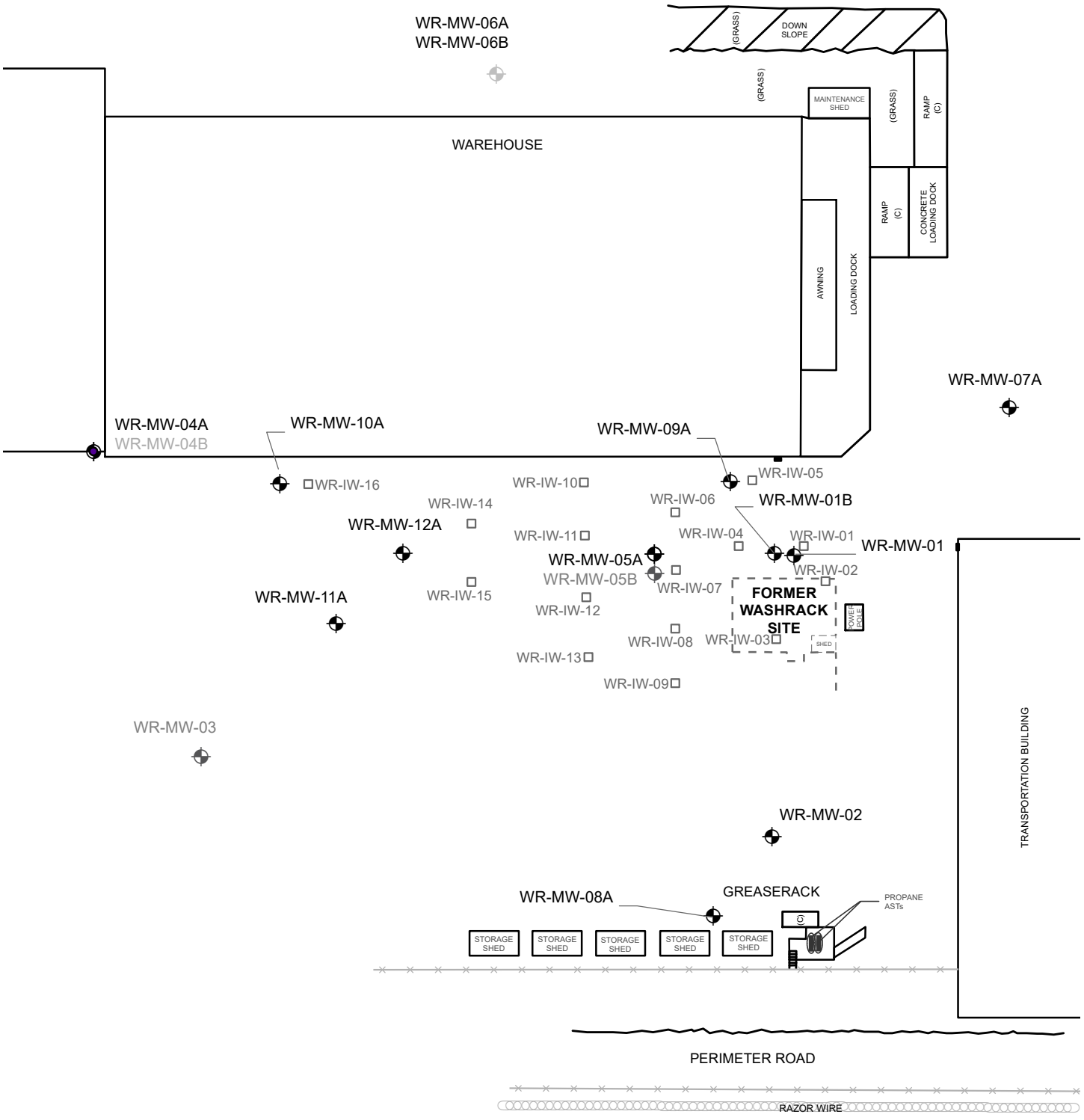
NS= Normal sample

U= not detected above the indicated limit of detection

Figures



Ahtna	**2023 First Semiannual Groundwater Monitoring Report- Washrack Site** Environmental Long-Term Monitoring and Inspection Former USDB, Lompoc, California	**Washrack Site Location Map**	1



LEGEND:

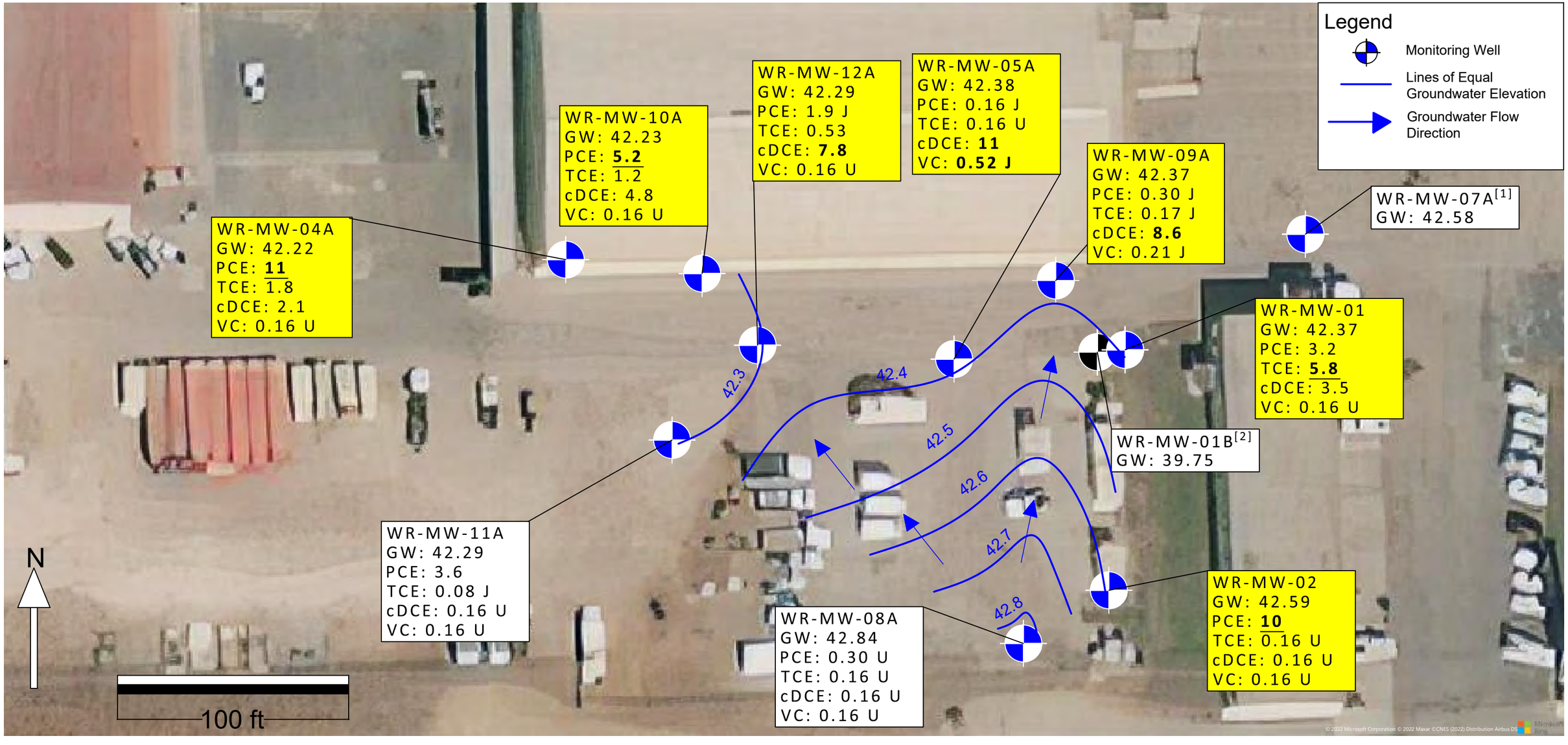
- Former Injection Well (Abandoned)
- Monitoring Well
- Former Monitoring Well
- Fence

N

0 50

1" = 50'

Ahtna	**2023 First 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.

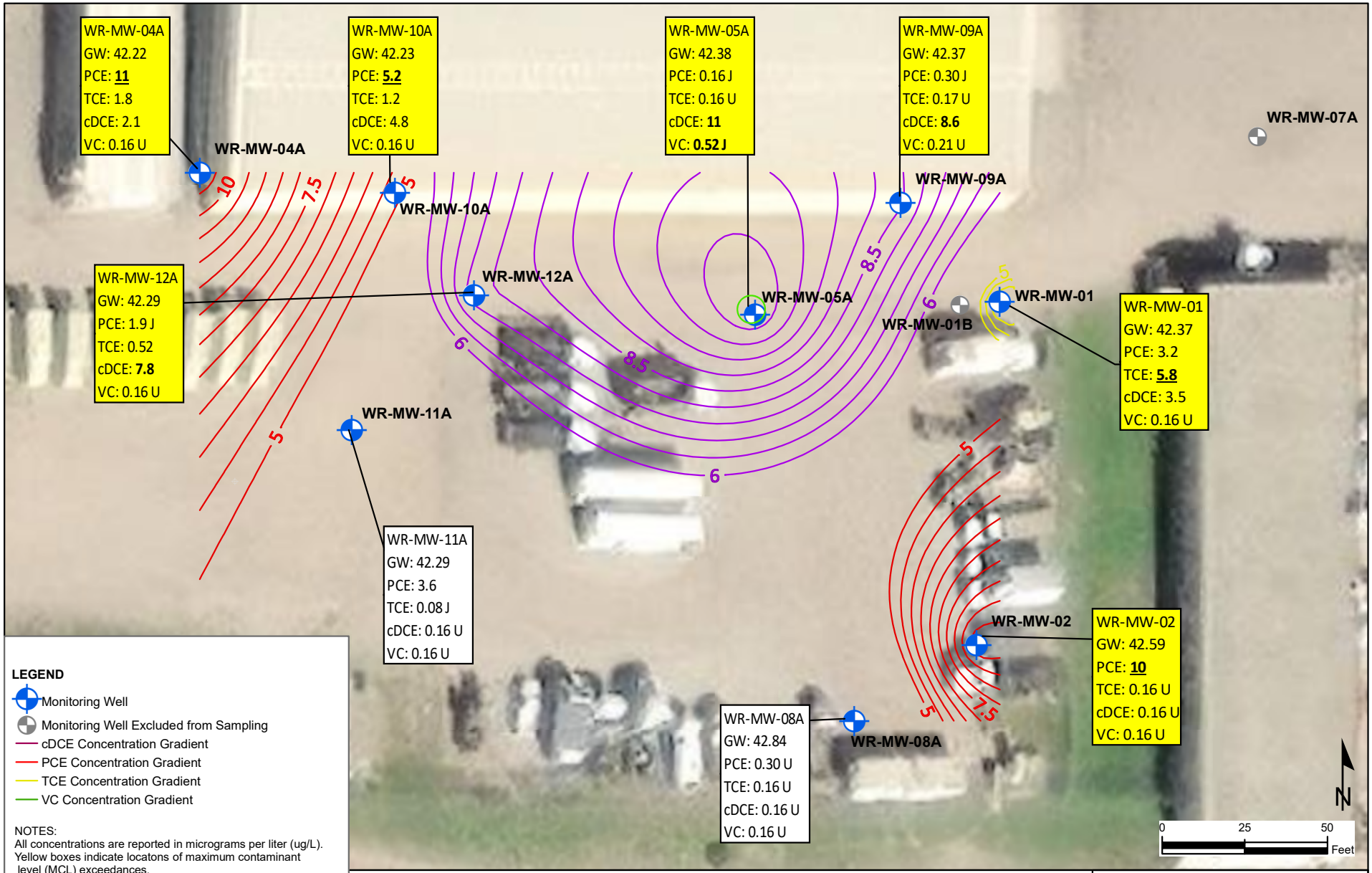
[2] Well WR-MW-01B is sampled only during the second semiannual monitoring events and is excluded from contouring, because it is screened in the B-Zone aquifer.

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

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

Aquifer Zone A Groundwater Potentiometric Surface Map and Contaminants of Concern Results
2023 First Semiannual Groundwater Monitoring Report
Washrack Site
Former USDB, Lompoc CA

Figure
3



LEGEND

- Monitoring Well
- Monitoring Well Excluded from Sampling
- cDCE Concentration Gradient
- PCE Concentration Gradient
- TCE Concentration Gradient
- VC Concentration Gradient

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

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

Aquifer Zone A
Contaminants of Concern Concentration
Gradient Map

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

Ahtna

Project Number:	Figure Number:
21044.006	4
Date: 2/29/2024	
Drafted By: LD	

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:** 06/15/2023	
2) Program Manager	Sommer Carter	**6) Report No.:** 1/1	
3) Project Lead:	Connor Dunn	**7) QC Manager:** Andrew Mauck	
4) SSHO:	Steve Korbay	**8) Weather:** Mostly cloudy, 54-67°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. b. Collected VOC samples using PDBs from all 9 wells scheduled for sampling. c. Set PDBs in the 10 wells scheduled for sampling in the next event (2023 Second Semiannual Event). d. Added labels to all well locations.	
10) Project Schedule/Issues:	None
11) Action Items:	None

Contractor Personnel

12) Prime Contractor and Subcontractor Onsite:

Name	Company	Position/Title	Hours
Steve Korbay	Ahtna	SSHO	4
Andrew Mauck	Ahtna	QC Manager	4

Government Personnel

13) Government Personnel Onsite:

Name	Organization	Position/Title	Arrive/Depart
Brad Halbeisen	FCC Lompoc	Engineering Technician	0720/0730

Visiting Personnel

14) Visitors Onsite:

Name	Organization	Position/Title	Hours on Site
None.			

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

18) Other: None

19) Report Submitted by: Connor Dunn

Ahtna

Site Safety Tailgate Meeting

Installation/Site Name	USDB	Project Number	21140.006.01.0000
Event Name	Semiannual GW Sampling	Safety Representative	Steve Korbay
Date	6/15/2023	QC Lead	
Weather Forecast: 54° to 67° - Cloudy Skies – Light winds (2-8 mph).			

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

Printed Name and Initials	Affiliation	Role	Signature
Steve Korbay/SK	Ahtna	SSHO	Steve Korbay
Andrew Mauck/AM	Ahtna	QC	

Scope of Today's Work

Perform groundwater elevation survey and Passive Diffusion Bag sampling

Health and Safety Topics Discussed (✓ applicable topics)

☒ Weather Factors	☒ Chem. of Concern	☒ Lifting Safety	☒ Sanitation
☒ AHA Review	☒ PPE Requirements	☐ Recent near	☒ Use of Spotters
☒ Site emergency SOP,	☒ Slip/Trip/Fall Hazards	miss/injuries/lessons	☒ Hydration
rally point, etc.	☒ Site Controls	☒ BBS Hazard Triggers[1]	☐
☒ Changed Conditions	☒ Biological Hazards	☒ BBS Trigger Controls[2]	☐
☒ Equipment Hazards	☒ COVID 19 SOPs	☒ Traffic Control	☐

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

Comments:

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

Name (Print) Steve Korbay Signature Steve Korbay Date 6/15/23

Ahtna

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

JOB: Former U.S. Disciplinary Barracks
DATE: 6/15/23
PROJECT: Semi-Annual Sampling
1/2

0715	Steve Corbay & Andrew Manuel from Ahtna are onsite	
	- Tailgate Safety - Parkins lot,	
0720	walk Site to familiarize Locations	
	- met w/ Brad.	
	- found all wells - Some covered w/ dirt recommend brings a brush & Metal detector	
0742	@ WR-MW-04-A	Paint & Label Lock
0752	Sample WR-MW-04-A	MW04-0623-W
0755	Trip Blank WR-MW-10A	
0800	@ WR-MW-10-A	Paint & Label
0805	Sample WR-MW-10-A	MW10-0623-W
0815	@ WR-MW-11-A	Need Lower Bolts, Paint & Label
0820	Sample WR-MW-11-A	MW11-0623-W
0830	@ WR-MW-05-A	Bolts Stripped, Paint & Label
0835	Sample WR-MW-05-A	Retap MW05-0623-W
0840	@ WR-MW-12-A	Paint & Label - New Bolts
0852	Sample MW-12-A	Retap Threads MW12-0623-W
0855	Sample MW-12-A	MW12-0623-D
0905	@ WR-MW-09-A	Painted Label - cleaned
0913	Sample WR-MW-09A	MW09-0623-W
0923	@ WR-MW-08-A	Paint & Label
0935	Sample WR-MW-08-A	MW08-0623-W
0940	@ WR-MW-02-A	Paint & Label Retap / Add Need New Bolts
0945	Sample	

Ahtna

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

JOB: Former U.S. Disciplinary Barracks
DATE: 6/15/23
PROJECT: Semi-Annual Sampling
2/2

1005 @ WR-MW-01-B Paint/Label Rethread detail need to add 40' more rope. Currently has 40' of Twine - waiting for Connor to give depth for pdb placement

1045 Bag placed @ 131'

1048 @ WR-MW-01 3/4" Bolts needed / Retap / Paint / Label

1115 @ WR-MW-07A Water level only - Paint & Label / New Bolts / Retap

1136 offsite

6/15/23

Ahtna

Initial/Follow-Up QC Inspections

Project Number	21148.006.01.0010		
Installation/Site	USDA	QC Representative	A. Marsh
Event Name	Semi-Annual GW Sampling	Date of Inspection(s)	6/15/23

Item Number and Inspection	Phase (I/F)[1]	Inspect. Type[2] W	S	M/E	P	Basis[3] E/N/P/O	Variance (Y/N)[4]	Deficient (Y/N)[5]	Inspector Initial/Time
Sampling w/ PDB's	I/F	✓		✓	✓	E	N	N	AM/1000
Details: PDB's were Properly filled from Lab									
DTW / TD Tahoe	I/F	✓		✓	✓	E	N	N	AM/1000
Details: well Locations Properly Taken									
~~Locations of wells properly Taken~~									
Details:									
Verification of PDB's Hung @	I/F	✓		✓	✓	E	N	N	AM/1100
Details: Proper location All Bags verified they are Hung and Screw									
Details:									
Details:									

Notes:

[1] **Phase:** Initial (I); Follow-up (F)

[2] **Inspection Type:** (W) Workmanship; (S) Safety; (M/E) Materials/Equipment; (P) Plan Compliance

[3] **Basis:** (E) Existing DFOW or task; (N) New DFOW or task; (P) New personnel; (O) Other (specify) _____

[4] **Variance:** Contact FTL/PL for variance approval, document resolution. Complete field form SWE-FFRM-004, "Work Variance" as directed by FTL..

[5] **Deficiency:** Contact FTL/PL before proceeding with work, note resolution. Complete field form SWE-FFRM-102, "Corrective Action" as directed.

Approved By

Initial AM Signature _____ Date 6/15/23

Water Level Measurements and PDB Sampling Form

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

Location	Ref Point (TOC)	Depth to Water (ft btoc)	Total Depth (ft btoc)	Previous Measurements (Nov 2022)			Sample Date	Sample Time	Sample ID(s)
				Depth to Water (ft btoc)	Total Depth (ft btoc)	Water Column Height			
WR-MW-01	122.05	79.68	87.6	81.30	87.56	6.26	06/15/2023	1055	MW01-0623-N
WR-MW-01B	122.15	82.40	140.40	85.31	140.89	55.58	06/15/2023	WL Time 1005	
WR-MW-02	121.73	79.14	88.20	80.01	88.15	8.14	06/15/2023	0945	MW02-0623-N
WR-MW-04A	121.55	79.33	84.7	81.08	84.56	3.48	06/15/2023	0752	MW04A-0623-N
WR-MW-05A	121.85	79.47	85.2	81.42	85.55	4.13	06/15/2023	0835	MW05A-0623-N
WR-MW-07A	119.33	76.75	83.5	78.59	83.20	4.61	06/15/2023	1115	Water Level Only
WR-MW-08A	121.30	78.46	85.1	80.25	84.96	4.71	06/15/2023	0935	MW08A-0623-N
WR-MW-09A	122.17	79.80	85.0	81.75	85.05	3.30	06/15/2023	0913	MW09A-0623-N
WR-MW-10A	121.95	79.72	84.5	81.45	84.47	3.02	06/15/2023	0805	MW10A-0623-N
WR-MW-11A	121.99	79.70	84.7	81.50	84.47	2.97	06/15/2023	0820	MW11A-0623-N
WR-MW-12A	121.80	79.51	84.9	81.35	84.98	3.63	06/15/2023	0852	MW12A-0623-N

Notes:

Ahtnd

Well Maintenance Inspection Form

Date: 6/15/23 Field Technician: Andrew Mauck

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					2/2	2/2							Paint/Label 3/4" Bolts
WR-MW-01B					0/2	2/2							Paint/Label Need 40' of tape
WR-MW-02					0/2	2/2							Paint/Label
WR-MW-04A					0/2	0/2							Paint/Label
WR-MW-05A					0/2	2/2							Paint/Label
WR-MW-07A					2/2	2/2							Paint/Label
WR-MW-08A					0/2	0/2							Paint/Label
WR-MW-09A					0/2	0/2							Clean, Paint/Label
WR-MW-10A					0/2	0/2							Clean, Paint/Label
WR-MW-11A					2/2	0/2							Longer 3/4" Bolts/Paint/Label
WR-MW-12A					2/2	2/2							Paint/Label

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	Bromoform	Chloromethane	Chloroform	cis-1,2-DCE
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	µg/L
California MCL		N/A	N/A	N/A	200	6	N/A	N/A	1	4	80	80	N/A	80	6
Historical MCL Exceedances?		No	No	No	No	No	No	No	Yes	Yes	No	No	No	No	Yes
Well ID	**Sampled**														
WR-IW-01	10/02/02	–	–	–	< 1 U	< 1 U	–	< 20 UJ	< 1 U	–	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
WR-IW-01	11/11/03	–	–	–	< 13 U	< 13 U	–	440	< 13 U	–	< 13 U	< 25 U	< 25 U	< 13 U	< 13 U
WR-IW-01	02/10/04	–	–	–	< 13 U	< 13 U	–	1100	< 13 U	–	< 13 U	< 25 U	< 25 U	< 13 U	< 13 U
WR-IW-02	10/02/02	–	–	–	< 1 U	< 1 U	–	< 20 UJ	< 1 U	–	< 1 U	< 1 U	< 1 U	< 1 U	1.1
WR-IW-02	11/11/03	–	–	–	< 13 U	< 13 U	–	420	< 13 U	–	< 13 U	< 25 U	< 25 U	< 13 U	< 13 U
WR-IW-03	10/02/02	–	–	–	< 1 U	< 1 U	–	< 20 UJ	< 1 U	–	< 1 U	< 1 U	< 1 U	< 1 U	3.1
WR-IW-03	11/11/03	–	–	–	< 13 U	< 13 U	–	670	< 13 U	–	< 13 U	< 25 U	< 25 U	< 13 U	< 13 U
WR-IW-03	02/10/04	–	–	–	< 20 U	< 20 U	–	3600	< 20 U	–	< 20 U	< 40 U	< 40 U	< 20 U	< 20 U
WR-IW-04	10/02/02	–	–	–	< 1 U	< 1 U	–	< 20 UJ	< 1 U	–	0.19 J	0.64 J	< 1 U	< 1 U	< 1 U
WR-IW-04	11/11/03	–	–	–	< 13 U	< 13 U	–	400	< 13 U	–	< 13 U	< 25 U	< 25 U	< 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	< 5 U	< 1 U	< 0.40 U	–
WR-MW-01	01/03/02	–	–	–	< 0.50 U	< 0.50 U	< 10 U	–	< 0.50 U	< 10 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 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	< 0.50 U	< 0.50 U	< 0.50 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	< 2.5 U	< 2.5 U	< 2.5 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	< 2.5 U	< 2.5 U	< 2.5 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	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U
WR-MW-01	11/14/02	–	–	–	< 0.50 UJ	< 0.50 UJ	–	< 10 UJ	< 0.50 U	–	< 0.50 U	< 0.50 U	< 0.50 UJ	< 0.50 UJ	< 0.50 UJ
WR-MW-01	02/13/03	–	–	–	< 0.50 U	< 0.50 U	–	31	< 0.50 U	–	< 0.50 U	< 1 U	< 1 U	< 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	< 1 U	1.0	< 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	< 1 U	< 1 U	< 0.50 U	**27**
WR-MW-01	06/26/03	–	–	–	< 0.50 U	< 0.50 U	–	38	< 0.50 U	–	< 0.50 U	< 1 U	< 1 U	< 0.50 U	**28**
WR-MW-01	08/06/03	4400	360	–	< 0.50 U	< 0.50 U	780	60	< 0.50 U	< 250 U	< 0.50 U	< 1 U	< 1 U	< 0.50 U	**47**
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	< 1 U	< 1 U	< 0.50 U	**43**
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	< 1 U	< 1 U	< 0.50 U	**42**
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	< 1 U	< 1 U	< 0.50 U	**45**
WR-MW-01	05/25/04	1200	< 50 U	–	< 0.50 U	< 0.50 U	170 J-	18	< 0.50 U	–	< 0.50 U	< 1 U	< 1 U	< 0.50 U	**28**
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	< 1 U	< 1 U	< 0.50 U	**28**
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	< 1 U	< 1 U	< 0.50 U	**23**
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	< 1 U	< 1 U	< 0.50 U	**16**
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	< 1 U	< 1 U	< 0.50 U	**15**
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	< 1 U	< 1 U	< 0.50 U	**34**
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	< 1 U	< 1 U	< 0.50 U	**33**
WR-MW-01	09/14/05	5300	53	< 3000 U	< 1 U	< 1 U	830	< 20 U	< 1 U	< 240 U	< 1 U	< 2 U	< 2 U	< 1 U	**23**

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	Bromoform	Chloromethane	Chloroform	cis-1,2-DCE
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	µg/L
California MCL		N/A	N/A	N/A	200	6	N/A	N/A	1	4	80	80	N/A	80	6
Historical MCL Exceedances?		No	No	No	No	No	No	No	Yes	Yes	No	No	No	No	Yes
Well ID	**Sampled**														
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	< 1 U	< 1 U	< 0.50 U	**13**
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	< 1 U	< 1 U	< 0.50 U	**10**
WR-MW-01	06/26/06	–	–	–	< 1 U	< 1 U	410	< 20 U	< 1 U	< 9.4 U	< 1 U	< 2 U	< 2 U	< 1 U	**12**
WR-MW-01	06/26/06	–	–	–	< 1 U	< 1 U	410	< 20 U	< 1 U	< 9.4 U	< 1 U	< 2 U	< 2 U	< 1 U	**13**
WR-MW-01	09/26/06	–	–	–	< 2.5 U	< 2.5 U	280	< 50 U	< 2.5 U	< 9.4 U	< 2.5 U	< 5 U	< 5 U	< 2.5 U	**7.4**
WR-MW-01	09/26/06	–	–	–	< 0.50 U	< 0.50 U	280	< 10 U	< 0.50 U	< 9.4 U	< 0.50 U	< 1 U	< 1 U	< 0.50 U	**9.1**
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	< 1 U	< 1 U	< 0.50 U	**8.3**
WR-MW-01	03/27/07	–	–	–	< 2.5 U	< 2.5 U	100	< 50 U	< 2.5 U	< 19 U	< 2.5 U	< 5 U	< 5 U	< 2.5 U	**8.3**
WR-MW-01	06/12/07	–	–	–	< 0.50 U	< 0.50 U	130	< 10 U	< 0.50 U	< 9.4 U	< 0.50 U	< 1 U	< 1 U	< 0.50 U	4.4
WR-MW-01	06/12/07	–	–	–	< 0.50 U	< 0.50 U	130	< 10 U	< 0.50 U	< 9.4 U	< 0.50 U	< 1 U	< 1 U	< 0.50 U	5.1
WR-MW-01	09/26/07	–	–	–	< 0.50 U	< 0.50 U	37	< 10 U	< 0.50 U	< 9.5 U	< 0.50 U	< 1 U	< 1 U	< 0.50 U	**6.2**
WR-MW-01	09/26/07	–	–	–	< 0.50 U	< 0.50 U	44	< 10 U	< 0.50 U	< 9.5 U	< 0.50 U	< 1 U	< 1 U	< 0.50 U	**6.1**
WR-MW-01	12/13/07	–	< 50 U	–	< 0.50 U	< 0.50 U	–	< 10 U	< 0.50 U	–	< 0.50 U	< 1 U	< 1 U	< 0.50 U	4.5
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	< 1 U	< 1 U	< 0.50 U	4.0
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	< 1 U	< 1 U	< 0.50 U	**7.5**
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	< 1 U	< 1 U	< 0.50 U	**7.6**
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	< 1 U	< 1 U	< 0.50 U	5.4
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	< 1 U	< 1 U	< 0.50 U	5.6
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	< 1 U	< 1 U	< 0.50 U	**6.3**
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	< 1 U	< 1 U	< 0.50 U	**6.6**
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	< 1 U	< 1 U	< 0.50 U	**11**
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	< 1 U	< 1 U	< 0.50 U	**9.4**
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	< 1 U	< 1 U	< 0.50 U	3.8
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	< 1 U	< 1 U	< 0.50 U	3.4
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	< 1 U	< 1 U	< 0.50 U	**6.3**
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	< 1 U	< 1 U	< 0.50 U	**6.3**
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	< 1 U	< 1 U	< 0.50 U	**10**
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	< 1 U	< 1 U	< 0.50 U	**10**
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	< 1 U	< 1 U	< 0.50 U	**14**
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	< 1 U	< 1 U	< 0.50 U	**14**
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	< 1 U	< 1 U	< 0.50 U	**18**
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	< 1 U	< 1 U	< 0.50 U	**17**
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	< 1 U	< 1 U	< 0.50 U	**18**

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	Bromoform	Chloromethane	Chloroform	cis-1,2-DCE
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	µg/L
California MCL		N/A	N/A	N/A	200	6	N/A	N/A	1	4	80	80	N/A	80	6
Historical MCL Exceedances?		No	No	No	No	No	No	No	Yes	Yes	No	No	No	No	Yes
Well ID	**Sampled**														
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	< 1 U	< 1 U	< 0.50 U	**17**
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	< 1 U	< 1 U	< 0.50 U	**13**
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	< 1 U	< 1 U	< 0.50 U	**13**
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	< 1 U	< 1 U	< 0.50 U	**8.6**
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	< 1 U	< 1 U	< 0.50 U	**8.8**
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	< 1 U	< 1 U	< 0.50 U	2.4
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	< 1 U	< 1 U	< 0.50 U	2.8
WR-MW-01	09/28/16	–	–	–	< 0.40 U	< 0.20 U	–	90	< 0.20 U	–	< 0.20 U	< 0.40 U	< 0.40 U	< 0.20 U	0.70
WR-MW-01	12/21/16	–	–	–	< 0.40 U	< 0.20 U	–	93	< 0.20 U	–	< 0.20 U	< 0.40 U	< 0.40 U	< 0.20 U	4.9
WR-MW-01	06/28/17	–	–	–	< 0.40 U	< 0.40 U	–	30 J	< 0.20 U	–	< 0.40 U	< 0.40 U	< 0.40 U	< 0.20 U	**10**
WR-MW-01	12/19/17	–	–	–	< 0.40 U	< 0.40 U	–	110	< 0.40 U	–	< 0.40 U	< 0.40 U	< 0.8 U	< 0.40 U	**13**
WR-MW-01	06/14/18	–	–	–	< 0.40 U	< 0.40 U	–	17	0.10 J	–	< 0.40 U	< 0.40 U	< 0.8 U	< 0.40 U	**15**
WR-MW-01	12/14/18	–	–	–	< 0.50 U	< 0.50 U	–	100 J	< 0.50 U	–	< 0.50 U	< 0.50 U	< 0.50 U	< 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	< 0.50 U	< 0.50 U	< 0.50 U	0.18
WR-MW-01	06/25/19	–	–	–	< 0.40 U	< 0.40 U	–	24 J	< 0.20 U	–	< 0.20 U	< 0.40 U	< 0.8 U	< 0.40 U	0.40
WR-MW-01	12/30/19	–	–	–	< 0.40 U	< 0.40 U	–	80 J	< 0.20 U	–	< 0.40 U	< 0.40 U	< 0.8 U	< 1 U	3.1 J
WR-MW-01	12/30/19	–	–	–	< 0.40 U	< 0.40 U	–	83 J	< 0.20 U	–	< 0.40 U	< 0.40 U	< 0.8 U	< 1 U	2.3 J
WR-MW-01	05/07/20	–	–	–	< 0.40 UJ	< 0.40 UJ	–	21 J	< 0.2 UJ	–	< 0.40 UJ	< 0.40 UJ	< 0.8 UJ	< 1 UJ	**8 J**
WR-MW-01	05/07/20	–	–	–	< 0.40 U	< 0.40 U	–	27	< 0.20 U	–	< 0.40 U	< 0.40 U	< 0.8 U	< 1 U	**8.4**
WR-MW-01	11/18/20	–	–	–	< 0.20 U	< 0.20 U	–	48	< 0.20 U	–	< 0.20 U	< 0.30 U	< 0.50 U	< 0.20 U	1.4
WR-MW-01	11/18/20	–	–	–	< 0.20 U	< 0.20 U	–	51 J	< 0.20 U	–	< 0.20 U	< 0.30 U	< 0.50 U	< 0.20 U	0.14
WR-MW-01	11/29/22	–	–	–	< 0.16 U	0.15 J	–	< 8.0 U	< 0.16 U	–	< 0.30 U	< 0.30 U	< 0.16 U	< 0.16 U	**18**
WR-MW-01	06/15/23	–	–	–	< 0.16 U	< 0.20 U	–	< 8.0 U	< 0.16 U	–	< 0.30 U	< 0.30 U	< 0.16 U	< 0.16 U	3.5
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	< 0.50 U	< 0.50 U	0.27 J	< 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	< 0.50 U	< 0.50 U	0.28 J	< 0.50 U
WR-MW-01B	02/09/03	–	–	–	< 0.50 U	1.9	–	< 10 U	< 0.50 U	–	< 0.50 U	< 1 U	< 1 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+	1.4 J+	< 1 U	< 0.50 U	< 0.50 U
WR-MW-01B	08/06/03	–	–	–	< 0.50 U	2.9	–	< 10 U	< 0.50 U	–	< 0.50 U	< 1 U	< 1 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	< 1 U	< 1 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	< 1 U	< 1 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	< 1 U	< 1 U	< 0.50 U	< 0.50 U
WR-MW-01B	09/02/04	–	–	–	< 0.50 U	4.4 J+	–	< 10 U	< 0.50 U	–	< 0.50 U	< 1 U	< 1 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	< 1 U	< 1 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	Bromoform	Chloromethane	Chloroform	cis-1,2-DCE
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	µg/L
California MCL		N/A	N/A	N/A	200	6	N/A	N/A	1	4	80	80	N/A	80	6
Historical MCL Exceedances?		No	No	No	No	No	No	No	Yes	Yes	No	No	No	No	Yes
Well ID	**Sampled**														
WR-MW-01B	03/02/05	–	–	–	< 0.50 U	4.5	–	< 10 U	< 0.50 U	–	< 0.50 U	< 1 U	< 1 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	< 1 U	< 1 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	< 1 U	< 1 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	< 1 U	< 1 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	< 1 U	< 1 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	< 1 U	< 1 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	< 1 U	< 1 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	< 1 U	< 1 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	< 1 U	< 1 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	< 1 U	< 1 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	< 1 U	< 1 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	< 1 U	< 1 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	< 1 U	< 1 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	< 1 U	< 1 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	< 1 U	< 1 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	< 1 U	< 1 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	< 1 U	< 1 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	< 1 U	< 1 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	< 1 U	< 1 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	< 1 U	< 1 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	< 1 U	< 1 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	< 1 U	< 1 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	< 0.40 U	< 0.40 U	< 0.20 U	< 0.40 U
WR-MW-01B	12/19/17	–	–	–	< 0.40 U	< 0.40 U	–	100	0.50	–	< 0.40 U	< 0.40 U	< 0.8 U	< 0.20 U	< 0.40 U
WR-MW-01B	12/14/18	–	–	–	< 0.50 U	< 0.50 U	–	93 J	0.35	–	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U
WR-MW-01B	06/25/19	–	–	–	< 0.40 U	< 0.40 U	–	36 J	0.40	–	< 0.20 U	< 0.40 U	< 0.8 U	< 0.40 U	< 0.20 U
WR-MW-01B	06/25/19	–	–	–	< 0.40 U	< 0.40 U	–	34 J	0.30	–	< 0.20 U	< 0.40 U	< 0.8 U	< 0.40 U	< 0.20 U
WR-MW-01B	12/30/19	–	–	–	< 0.40 U	< 0.40 U	–	< 43 UJ	0.40	–	< 0.40 U	< 0.40 U	< 0.8 U	< 0.40 U	< 0.40 U
WR-MW-01B	11/18/20	–	–	–	< 0.20 U	< 0.20 U	–	63 J	0.23	–	< 0.20 U	< 0.30 U	< 0.50 U	< 0.20 U	< 0.20 U
WR-MW-01B	12/16/21	–	–	–	< 0.16 U	< 0.20 U	–	< 8 U	0.27 J	–	< 0.30 U	< 0.30 U	< 0.16 U	< 0.16 U	< 0.16 U
WR-MW-01B	12/16/21	–	–	–	< 0.16 U	< 0.20 U	–	< 8 U	0.16 J	–	< 0.30 U	< 0.30 U	< 0.16 U	< 0.16 U	< 0.16 U
WR-MW-01B	12/16/21	–	–	–	< 0.16 U	< 0.20 U	–	< 8 U	0.13 J	–	< 0.30 U	< 0.30 U	< 0.16 U	< 0.16 U	< 0.16 U
WR-MW-01B	11/29/22	–	–	–	< 0.16 U	< 0.20 U	–	< 8.0 U	0.080 J	–	< 0.30 U	< 0.30 U	< 0.16 U	< 0.16 U	< 0.16 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	Bromoform	Chloromethane	Chloroform	cis-1,2-DCE
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	µg/L
California MCL		N/A	N/A	N/A	200	6	N/A	N/A	1	4	80	80	N/A	80	6
Historical MCL Exceedances?		No	No	No	No	No	No	No	Yes	Yes	No	No	No	No	Yes
Well ID	**Sampled**														
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	< 5 U	< 1 U	< 0.40 U	–
WR-MW-02	01/03/02	–	–	–	< 0.50 U	< 0.50 U	< 10 U	–	< 0.50 U	< 10 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 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	< 0.50 U	< 0.50 U	< 0.50 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	< 0.50 U	< 0.50 U	< 0.50 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	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U
WR-MW-02	11/14/02	–	–	–	< 0.50 UJ	< 0.50 UJ	–	< 10 UJ	< 0.50 U	–	< 0.50 U	< 0.50 U	< 0.50 UJ	< 0.50 UJ	< 0.50 UJ
WR-MW-02	02/08/03	–	–	–	< 0.50 U	< 0.50 U	–	< 10 U	< 0.50 U	–	< 0.50 U	< 1 U	< 1 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	< 1 U	< 1 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	< 1 U	< 1 U	< 0.50 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	< 1 U	< 1 U	< 0.50 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	< 1 U	< 1 U	< 0.50 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	< 1 U	< 1 U	< 0.50 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	< 1 U	< 1 U	< 0.50 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	< 1 U	< 1 U	< 0.50 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	< 1 U	< 1 U	< 0.50 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	< 1 U	< 1 U	< 0.50 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	< 1 U	< 1 U	< 0.50 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	< 1 U	< 1 U	< 0.50 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	< 1 U	< 1 U	< 0.50 U	1.6
WR-MW-02	06/27/06	–	–	–	< 0.50 U	< 0.50 U	–	< 10 U	< 0.50 U	–	< 0.50 U	< 1 U	< 1 U	< 0.50 U	2.0
WR-MW-02	09/25/06	–	–	–	< 0.50 U	< 0.50 U	–	< 10 U	< 0.50 U	–	< 0.50 U	< 1 U	< 1 U	< 0.50 U	1.5
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	< 1 U	< 1 U	< 0.50 U	2.8
WR-MW-02	03/26/07	–	–	–	< 0.50 U	< 0.50 U	–	< 10 U	< 0.50 U	–	< 0.50 U	< 1 U	< 1 U	< 0.50 U	4.0
WR-MW-02	06/12/07	–	–	–	< 0.50 U	< 0.50 U	–	< 10 U	< 0.50 U	–	< 0.50 U	< 1 U	< 1 U	< 0.50 U	4.4
WR-MW-02	09/25/07	–	–	–	< 0.50 U	< 0.50 U	–	< 10 U	< 0.50 U	–	< 0.50 U	< 1 U	< 1 U	< 0.50 U	3.1
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	< 1 U	< 1 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	< 1 U	< 1 U	< 0.50 U	2.0
WR-MW-02	10/07/08	–	–	–	< 0.50 U	< 0.50 U	–	< 10 U	< 0.50 U	–	< 0.50 U	< 1 U	< 1 U	< 0.50 U	4.4
WR-MW-02	04/09/09	–	–	–	< 0.50 U	< 0.50 U	–	< 10 U	< 0.50 U	–	< 0.50 U	< 1 U	< 1 U	< 0.50 U	**7.8**
WR-MW-02	09/28/09	–	–	–	< 0.50 U	< 0.50 U	–	< 10 U	< 0.50 U	–	< 0.50 U	< 1 U	< 1 U	< 0.50 U	**14**
WR-MW-02	07/01/10	–	–	–	< 0.50 U	< 0.50 U	–	< 10 U	< 0.50 U	–	< 0.50 U	< 1 U	< 1 U	< 0.50 U	**6.5**
WR-MW-02	01/27/11	–	–	–	< 0.50 U	< 0.50 U	–	< 10 U	< 0.50 U	–	< 0.50 U	< 1 U	< 1 U	< 0.50 U	4.8
WR-MW-02	06/20/11	–	–	–	< 0.50 U	< 0.50 U	–	< 10 U	< 0.50 U	–	< 0.50 U	< 1 U	< 1 U	< 0.50 U	**7.9**

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	Bromoform	Chloromethane	Chloroform	cis-1,2-DCE
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	µg/L
California MCL	N/A	N/A	N/A	200	6	N/A	N/A	1	4	80	80	N/A	80	6
Historical MCL Exceedances?	No	No	No	No	No	No	No	Yes	Yes	No	No	No	No	Yes
Well ID / **Sampled**														
WR-MW-02 / 01/11/12	–	–	–	< 0.50 U	< 0.50 U	–	< 10 U	< 0.50 U	–	< 0.50 U	< 1 U	< 1 U	< 0.50 U	**6.0**
WR-MW-02 / 06/27/12	–	–	–	< 0.50 U	< 0.50 U	–	< 10 U	< 0.50 U	–	< 0.50 U	< 1 U	< 1 U	< 0.50 U	4.7
WR-MW-02 / 01/04/13	–	–	–	< 0.50 U	< 0.50 U	–	< 10 U	< 0.50 U	–	< 0.50 U	< 1 U	< 1 U	< 0.50 U	3.4
WR-MW-02 / 06/26/13	–	–	–	< 0.50 U	< 0.50 U	–	< 10 U	< 0.50 U	–	< 0.50 U	< 1 U	< 1 U	< 0.50 U	2.8
WR-MW-02 / 12/04/13	–	–	–	< 0.50 U	< 0.50 U	–	< 10 U	< 0.50 U	–	< 0.50 U	< 1 U	< 1 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	< 1 U	< 1 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	< 1 U	< 1 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	< 0.40 U	< 0.40 U	0.20 J	< 0.20 U
WR-MW-02 / 12/21/16	–	–	–	0.40 J	0.20 J	–	92 J	0.20 J	–	0.20 J	0.40 J	0.40 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	< 0.40 U	< 0.40 U	< 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	< 0.40 U	< 0.8 U	< 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	< 0.50 U	< 0.50 U	< 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	< 0.40 U	< 0.8 U	< 0.40 U	0.40 J
WR-MW-02 / 06/25/19	–	–	–	< 0.40 U	< 0.40 U	–	21 J	< 0.20 U	–	< 0.20 U	< 0.40 U	< 0.8 U	< 0.40 U	< 0.20 U
WR-MW-02 / 12/30/19	–	–	–	< 0.40 U	< 0.40 U	–	< 34 UJ	< 0.20 U	–	< 0.40 U	< 0.40 U	< 0.8 U	< 0.40 U	< 0.40 U
WR-MW-02 / 05/07/20	–	–	–	< 0.40 U	< 0.40 U	–	16	< 0.20 U	–	< 0.40 U	< 0.40 U	< 0.8 U	< 1 U	< 0.40 U
WR-MW-02 / 11/18/20	–	–	–	< 0.20 U	< 0.20 U	–	27 J	< 0.20 U	–	< 0.30 U	< 0.20 U	< 0.50 U	< 0.50 U	< 0.20 U
WR-MW-02 / 11/29/22	–	–	–	< 0.16 U	< 0.20 U	–	< 8.0 U	< 0.16 U	–	< 0.30 U	< 0.30 U	< 0.16 U	< 0.16 U	< 0.16 U
WR-MW-02 / 06/15/23	–	–	–	< 0.16 U	< 0.20 U	–	< 8.0 U	< 0.16 U	–	< 0.30 U	< 0.30 U	< 0.16 U	< 0.16 U	< 0.16 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	< 5 U	< 1 U	< 0.40 U	–
WR-MW-03 / 01/03/02	–	–	–	< 0.50 U	< 0.50 U	< 10 U	–	< 0.50 U	< 10 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 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	< 0.50 U	< 0.50 U	< 0.50 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	< 0.50 U	< 0.50 U	< 0.50 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	< 0.50 U	< 0.50 U	< 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	< 1 U	< 1 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	< 1 U	< 1 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	< 1 U	< 1 U	< 0.50 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	< 1 U	< 1 U	< 0.50 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	< 1 U	< 1 U	< 0.50 U	< 0.50 U
WR-MW-03 / 12/08/05	< 50 U	< 50 U	< 300 U	< 0.50 U	< 0.50 U	< 9.5 U	< 10 U	< 0.50 U	< 9.5 U	< 0.50 U	< 1 U	< 1 U	< 0.50 U	< 0.50 U
WR-MW-03 / 12/14/06	–	–	–	< 0.50 U	< 0.50 U	–	< 10 U	< 0.50 U	–	< 0.50 U	< 1 U	< 1 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	< 1 U	< 1 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	< 1 U	< 1 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	Bromoform	Chloromethane	Chloroform	cis-1,2-DCE
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	µg/L
California MCL		N/A	N/A	N/A	200	6	N/A	N/A	1	4	80	80	N/A	80	6
Historical MCL Exceedances?		No	No	No	No	No	No	No	Yes	Yes	No	No	No	No	Yes
Well ID	**Sampled**														
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	0.77 J+	< 0.50 U	0.078 J	< 0.50 U
WR-MW-04A	02/08/03	–	–	–	< 0.50 U	< 0.50 U	–	< 10 U	< 0.50 U	–	< 0.50 U	< 1 U	< 1 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	< 1 U	< 1 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	< 1 U	< 1 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	< 1 U	< 1 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	< 1 U	< 1 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	< 1 U	< 1 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	< 1 U	< 1 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	< 1 U	< 1 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	< 1 U	< 1 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	< 1 U	< 1 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	< 1 U	< 1 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	< 1 U	< 1 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	< 1 U	< 1 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	< 1 U	< 1 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	< 1 U	< 1 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	< 1 U	< 1 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	< 1 U	< 1 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	< 1 U	< 1 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	< 1 U	< 1 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	< 1 U	< 1 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	< 1 U	< 1 U	< 0.50 U	1.1
WR-MW-04A	01/10/12	–	–	–	< 0.50 U	< 0.50 U	–	< 10 U	< 0.50 U	–	< 0.50 U	< 1 U	< 1 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	< 1 U	< 1 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	< 1 U	< 1 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	< 1 U	< 1 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	< 1 U	< 1 U	< 0.50 U	0.60
WR-MW-04A	06/30/14	–	–	–	< 0.50 U	< 0.50 U	–	< 10 U	< 0.50 U	–	< 0.50 U	< 1 U	< 1 U	< 0.50 U	0.70
WR-MW-04A	11/04/14	–	–	–	< 0.50 U	< 0.50 U	–	< 10 U	< 0.50 U	–	< 0.50 U	< 1 U	< 1 U	< 0.50 U	0.60
WR-MW-04A	09/28/16	–	–	–	< 0.40 U	< 0.20 U	–	49	< 0.20 U	–	< 0.20 U	< 0.40 U	< 0.40 U	< 0.20 U	0.50 J
WR-MW-04A	12/21/16	–	–	–	< 0.40 U	< 0.20 U	–	43	< 0.20 U	–	< 0.20 U	< 0.40 U	< 0.40 U	< 0.20 U	0.20 J
WR-MW-04A	06/28/17	–	–	–	< 0.40 U	< 0.40 U	–	30 J	< 0.20 U	–	< 0.40 U	< 0.40 U	< 0.40 U	< 0.20 U	0.20 J
WR-MW-04A	12/19/17	–	–	–	< 0.40 U	< 0.40 U	–	70	< 0.40 U	–	< 0.40 U	< 0.40 U	< 0.8 U	< 0.20 U	0.30 J

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	Bromoform	Chloromethane	Chloroform	cis-1,2-DCE
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	µg/L
California MCL		N/A	N/A	N/A	200	6	N/A	N/A	1	4	80	80	N/A	80	6
Historical MCL Exceedances?		No	No	No	No	No	No	No	Yes	Yes	No	No	No	No	Yes
Well ID	**Sampled**														
WR-MW-04A	12/19/17	–	–	–	< 0.40 U	< 0.40 U	–	62	< 0.20 U	–	< 0.40 U	< 0.40 U	< 0.8 U	< 0.20 U	0.30 J
WR-MW-04A	06/14/18	–	–	–	< 0.40 U	< 0.40 U	–	22	0.10 J	–	< 0.20 U	< 0.40 U	< 0.40 U	< 0.40 U	0.30 J
WR-MW-04A	12/14/18	–	–	–	< 0.50 U	< 0.50 U	–	120 J	< 0.50 U	–	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	0.25
WR-MW-04A	06/25/19	–	–	–	< 0.40 U	< 0.40 U	–	25 J	< 0.20 U	–	< 0.20 U	< 0.40 U	< 0.8 U	< 0.40 U	0.20
WR-MW-04A	12/30/19	–	–	–	< 0.40 U	< 0.40 U	–	< 20 UJ	< 0.20 U	–	< 0.40 U	< 0.40 U	< 0.8 U	< 0.40 U	< 0.40 U
WR-MW-04A	05/07/20	–	–	–	< 0.40 U	< 0.40 U	–	29	< 0.20 U	–	< 0.40 U	< 0.40 U	< 0.8 U	< 1 U	0.30
WR-MW-04A	11/18/20	–	–	–	< 0.20 U	< 0.20 U	–	90 J	< 0.20 U	–	< 0.20 U	< 0.30 U	< 0.50 U	< 0.20 U	0.33
WR-MW-04A	12/16/21	–	–	–	< 0.16 U	< 0.20 U	–	< 8 U	< 0.16 U	–	< 0.30 U	< 0.30 U	< 0.16 U	< 0.16 U	0.83
WR-MW-04A	06/08/22	–	–	–	< 0.16 U	< 0.20 U	–	< 8 U	< 0.16 U	–	< 0.30 U	< 0.30 U	< 0.16 U	< 0.16 U	0.52
WR-MW-04A	11/29/22	–	–	–	< 0.16 U	< 0.20 U	–	< 8.0 U	< 0.16 U	–	< 0.30 U	< 0.30 U	< 0.16 U	< 0.16 U	0.80
WR-MW-04A	06/15/23	–	–	–	< 0.16 U	< 0.20 U	–	460	< 0.16 U	–	< 0.30 U	< 0.30 U	< 0.16 U	< 0.16 U	2.10
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	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U
WR-MW-04B	02/09/03	–	–	–	< 0.50 U	< 0.50 U	–	< 10 U	< 0.50 U	–	< 0.50 U	< 1 U	< 1 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	< 1 U	< 1 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	< 1 U	< 1 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	< 1 U	< 1 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	< 1 U	< 1 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	< 2.5 U	< 2.5 U	< 2.5 U	1.1 J
WR-MW-05A	02/12/03	–	–	–	< 0.50 U	< 0.50 U	–	< 10 U	< 0.50 U	–	< 0.50 U	< 1 U	< 1 U	< 0.50 U	0.90
WR-MW-05A	06/26/03	–	–	–	< 0.50 U	< 0.50 U	–	< 10 U	< 0.50 U	–	< 0.50 U	< 1 U	< 1 U	< 0.50 U	0.60
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	< 1 U	< 1 U	< 0.50 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	< 1 U	< 1 U	< 0.50 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	< 1 U	< 1 U	< 0.50 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	< 1 U	< 1 U	< 0.50 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	< 1 U	< 1 U	< 0.50 U	0.60
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	< 1 U	< 1 U	< 0.50 U	1.8
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	< 1 U	< 1 U	< 0.50 U	1.6
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	< 1 U	< 1 U	< 0.50 U	1.8 J+
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	< 1 U	< 1 U	< 0.50 U	**20**
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	< 1 U	< 1 U	< 0.50 U	**40**
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	< 1 U	< 1 U	< 0.50 U	2.5
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	< 1 U	< 1 U	< 0.50 U	**29**
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	< 1 U	< 1 U	< 0.50 U	**28**

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	Bromoform	Chloromethane	Chloroform	cis-1,2-DCE
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	µg/L
California MCL		N/A	N/A	N/A	200	6	N/A	N/A	1	4	80	80	N/A	80	6
Historical MCL Exceedances?		No	No	No	No	No	No	No	Yes	Yes	No	No	No	No	Yes
Well ID	**Sampled**														
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	< 1 U	< 1 U	< 0.50 U	**28**
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	< 1 U	< 1 U	< 0.50 U	**61**
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	< 1 U	< 1 U	< 0.50 U	**60**
WR-MW-05A	03/27/06	–	–	–	< 2.5 U	< 2.5 U	–	< 50 U	< 2.5 U	–	< 2.5 U	< 5 U	< 5 U	< 2.5 U	**13**
WR-MW-05A	03/27/06	–	–	–	< 2.5 U	< 2.5 U	–	< 50 U	< 2.5 U	–	< 2.5 U	< 5 U	< 5 U	< 2.5 U	**13**
WR-MW-05A	06/26/06	–	–	–	< 0.50 U	< 0.50 U	–	88	< 0.50 U	–	< 0.50 U	< 1 U	< 1 U	< 0.50 U	**38**
WR-MW-05A	09/26/06	–	–	–	< 1 U	< 1 U	–	180	< 1 U	–	< 1 U	< 2 U	< 2 U	< 1 U	**23**
WR-MW-05A	12/13/06	4600	< 50 U	710	< 0.50 U	< 0.50 U	–	39	< 0.50 U	–	< 0.50 U	< 1 U	< 1 U	< 0.50 U	**15**
WR-MW-05A	06/12/07	–	–	–	< 0.50 U	< 0.50 U	–	< 10 U	< 0.50 U	–	< 0.50 U	< 1 U	< 1 U	< 0.50 U	**23**
WR-MW-05A	09/25/07	–	–	–	< 0.50 U	< 0.50 U	–	< 10 U	< 0.50 U	–	< 0.50 U	< 1 U	< 1 U	< 0.50 U	**16**
WR-MW-05A	12/13/07	7800	69	1400	< 2 U	< 2 U	–	< 40 U	< 2 U	–	< 2 U	< 4 U	< 4 U	< 2 U	**14**
WR-MW-05A	03/27/08	–	–	–	< 2 U	< 2 U	–	< 40 U	< 2 U	–	< 2 U	< 4 U	< 4 U	< 2 U	**17**
WR-MW-05A	10/08/08	–	–	–	< 0.50 U	< 0.50 U	–	< 10 U	< 0.50 U	–	< 0.50 U	< 1 U	< 1 U	< 0.50 U	**28**
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	< 1 U	< 1 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	< 1 U	< 1 U	< 0.50 U	**52**
WR-MW-05A	01/26/11	550	69	< 300 U	< 0.50 U	< 0.50 U	–	< 10 U	< 0.50 U	–	< 0.50 U	< 1 U	< 1 U	< 0.50 U	**62**
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	< 1 U	< 1 U	< 0.50 U	**67**
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	< 1 U	< 1 U	< 0.50 U	**47**
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	< 1 U	< 1 U	< 0.50 U	**29**
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	< 1 U	< 1 U	< 0.50 U	**20**
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	< 1 U	< 1 U	< 0.50 U	**10**
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	< 1 U	< 1 U	< 0.50 U	**12**
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	< 1 U	< 1 U	< 0.50 U	**19**
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	< 1 U	< 1 U	< 0.50 U	**36**
WR-MW-05A	09/28/16	–	–	–	< 0.40 U	< 0.20 U	–	68	< 0.20 U	–	< 0.20 U	< 0.40 U	< 0.40 U	< 0.20 U	**8.4**
WR-MW-05A	12/21/16	–	–	–	< 0.40 U	< 0.20 U	–	62	< 0.20 U	–	< 0.20 U	< 0.40 U	< 0.40 U	< 0.20 U	**13**
WR-MW-05A	06/28/17	–	–	–	< 0.40 U	< 0.40 U	–	28 J	< 0.20 U	–	< 0.40 U	< 0.40 U	< 0.40 U	< 0.20 U	**14**
WR-MW-05A	12/19/17	–	–	–	< 0.40 U	< 0.40 U	–	94	< 0.20 U	–	< 0.40 U	< 0.40 U	< 0.8 U	< 0.20 U	**16**
WR-MW-05A	06/14/18	–	–	–	< 0.40 U	< 0.40 U	–	18 J	0.20 J	–	< 0.20 U	< 0.40 U	< 0.40 U	< 0.40 U	**19**
WR-MW-05A	12/14/18	–	–	–	< 0.50 U	< 0.50 U	–	44 J	< 0.50 U	–	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	**20**
WR-MW-05A	06/25/19	–	–	–	< 0.40 U	< 0.40 U	–	31 J	< 0.20 U	–	< 0.20 U	< 0.40 U	< 0.8 U	< 0.40 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	< 0.40 U	< 0.8 U	< 0.40 U	**19 J**
WR-MW-05A	05/07/20	–	–	–	< 0.40 U	< 0.40 U	–	23	< 0.20 U	–	< 0.40 U	< 0.40 U	< 0.8 U	< 1 U	**19**

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	Bromoform	Chloromethane	Chloroform	cis-1,2-DCE
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	µg/L
California MCL		N/A	N/A	N/A	200	6	N/A	N/A	1	4	80	80	N/A	80	6
Historical MCL Exceedances?		No	No	No	No	No	No	No	Yes	Yes	No	No	No	No	Yes
Well ID	**Sampled**														
WR-MW-05A	11/18/20	–	–	–	< 0.20 U	< 0.20 U	–	11 J	< 0.20 U	–	< 0.20 U	< 0.30 U	< 0.50 U	< 0.20 U	**15**
WR-MW-05A	12/16/21	–	–	–	< 0.16 U	< 0.20 U	–	< 8 U	< 0.16 U	–	< 0.30 U	< 0.30 U	< 0.16 U	< 0.16 U	**12**
WR-MW-05A	06/08/22	–	–	–	< 0.16 U	< 0.20 U	–	< 8 U	< 0.16 U	–	< 0.30 U	< 0.30 U	< 0.16 U	< 0.16 U	**12**
WR-MW-05A	11/29/22	–	–	–	< 0.16 U	< 0.20 U	–	< 8.0 U	< 0.16 U	–	< 0.30 U	< 0.30 U	< 0.16 U	< 0.16 U	**11**
WR-MW-05A	06/15/23	–	–	–	< 0.16 U	< 0.20 U	–	120	< 0.16 U	–	< 0.30 U	< 0.30 U	< 0.16 U	< 0.16 U	**11**
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	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U
WR-MW-05B	02/09/03	–	–	–	< 0.50 U	0.80	–	< 10 U	< 0.50 U	–	< 0.50 U	< 1 U	< 1 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	< 1 U	< 1 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	< 1 U	< 1 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	< 1 U	< 1 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	< 1 U	< 1 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	< 1 U	< 1 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	< 1 U	< 1 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	< 0.50 U	0.16 J	< 0.50 U	< 0.50 U
WR-MW-06A	02/08/03	–	–	–	< 0.50 U	< 0.50 U	–	< 10 U	< 0.50 U	–	< 0.50 U	< 1 U	< 1 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	< 1 U	< 1 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	< 1 U	< 1 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	< 1 U	< 1 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	< 1 U	< 1 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	< 1 U	< 1 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	< 1 U	< 1 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	< 1 U	< 1 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	< 1 U	< 1 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	< 0.50 U	< 0.50 U	0.74	< 0.50 U
WR-MW-06B	02/09/03	–	–	–	< 0.50 U	< 0.50 U	–	< 10 U	< 0.50 U	–	< 0.50 U	< 1 U	< 1 U	1.6	< 0.50 U
WR-MW-06B	05/22/03	–	–	–	< 0.50 U	< 0.50 U	–	< 10 U	< 0.50 U	–	< 0.50 U	< 1 U	< 1 U	1.8	< 0.50 U
WR-MW-06B	08/06/03	–	–	–	< 0.50 U	< 0.50 U	–	< 10 U	< 0.50 U	–	< 0.50 U	< 1 U	< 1 U	1.5	< 0.50 U
WR-MW-06B	11/11/03	–	–	–	< 0.50 U	< 0.50 U	–	< 10 U	< 0.50 U	–	< 0.50 U	< 1 U	< 1 U	1.9	< 0.50 U
WR-MW-06B	12/09/04	–	–	–	< 0.50 U	< 0.50 U	–	< 10 U	< 0.50 U	–	< 0.50 U	< 1 U	< 1 U	1.3	< 0.50 U
WR-MW-06B	12/07/05	–	–	–	< 0.50 U	< 0.50 U	–	< 10 U	< 0.50 U	–	< 0.50 U	< 1 U	< 1 U	1.1	< 0.50 U
WR-MW-06B	12/13/06	–	–	–	< 0.50 U	< 0.50 U	–	< 10 U	< 0.50 U	–	< 0.50 U	< 1 U	< 1 U	1.2	< 0.50 U
WR-MW-06B	12/13/07	–	–	–	< 0.50 U	< 0.50 U	–	< 10 U	< 0.50 U	–	< 0.50 U	< 1 U	< 1 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	< 0.50 U	< 0.50 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	Bromoform	Chloromethane	Chloroform	cis-1,2-DCE
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	µg/L
California MCL		N/A	N/A	N/A	200	6	N/A	N/A	1	4	80	80	N/A	80	6
Historical MCL Exceedances?		No	No	No	No	No	No	No	Yes	Yes	No	No	No	No	Yes
Well ID	**Sampled**														
WR-MW-07A	02/12/03	–	–	–	< 0.50 U	< 0.50 U	–	< 10 U	< 0.50 U	–	< 0.50 U	< 1 U	< 1 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	< 1 U	< 1 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	< 1 U	< 1 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	< 1 U	< 1 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	< 1 U	< 1 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	< 1 U	< 1 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	< 1 U	< 1 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	< 1 U	< 1 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	< 1 U	< 1 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	< 1 U	< 1 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	< 1 U	< 1 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	< 1 U	< 1 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	< 1 U	< 1 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	< 1 U	< 1 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	< 1 U	< 1 U	< 0.50 U	0.60
WR-MW-07A	12/13/06	–	–	–	< 0.50 U	< 0.50 U	–	< 10 U	< 0.50 U	–	< 0.50 U	< 1 U	< 1 U	< 0.50 U	0.90
WR-MW-07A	03/26/07	–	–	–	< 0.50 U	< 0.50 U	–	< 10 U	< 0.50 U	–	< 0.50 U	< 1 U	< 1 U	< 0.50 U	1.3
WR-MW-07A	06/12/07	–	–	–	< 0.50 U	< 0.50 U	–	< 10 U	< 0.50 U	–	< 0.50 U	< 1 U	< 1 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	< 1 U	< 1 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	< 1 U	< 1 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	< 1 U	< 1 U	< 0.50 U	3.2
WR-MW-07A	10/07/08	–	–	–	< 0.50 U	< 0.50 U	–	< 10 U	< 0.50 U	–	< 0.50 U	< 1 U	< 1 U	< 0.50 U	1.0
WR-MW-07A	04/07/09	–	–	–	< 0.50 U	< 0.50 U	–	< 10 U	< 0.50 U	–	< 0.50 U	< 1 U	< 1 U	< 0.50 U	1.3
WR-MW-07A	06/24/10	–	–	–	< 0.50 U	< 0.50 U	–	< 10 U	< 0.50 U	–	< 0.50 U	< 1 U	< 1 U	< 0.50 U	1.1
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	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U
WR-MW-08A	02/08/03	–	–	–	< 0.50 U	< 0.50 U	–	< 10 U	< 0.50 U	–	< 0.50 U	< 1 U	< 1 U	< 0.50 U	< 0.50 U
WR-MW-08A	05/27/03	–	–	–	< 0.50 U	< 0.50 U	–	< 10 U	< 0.50 U	–	< 0.50 U	< 1 U	< 1 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	< 1 U	< 1 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	< 1 U	< 1 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	< 1 U	< 1 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	< 1 U	< 1 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	< 1 U	< 1 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	< 1 U	< 1 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	Bromoform	Chloromethane	Chloroform	cis-1,2-DCE
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	µg/L
California MCL		N/A	N/A	N/A	200	6	N/A	N/A	1	4	80	80	N/A	80	6
Historical MCL Exceedances?		No	No	No	No	No	No	No	Yes	Yes	No	No	No	No	Yes
Well ID	**Sampled**														
WR-MW-08A	03/02/05	–	–	–	< 0.50 U	< 0.50 U	–	< 10 U	< 0.50 U	–	< 0.50 U	< 1 U	< 1 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	< 1 U	< 1 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	< 1 U	< 1 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	< 1 U	< 1 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	< 1 U	< 1 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	< 1 U	< 1 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	< 1 U	< 1 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	< 1 U	< 1 U	< 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	< 1 U	< 1 U	< 0.50 U	1.6
WR-MW-08A	06/11/07	–	–	–	< 0.50 U	< 0.50 U	–	< 10 U	< 0.50 U	–	< 0.50 U	< 1 U	< 1 U	< 0.50 U	3.4
WR-MW-08A	09/25/07	–	–	–	< 0.50 U	< 0.50 U	–	< 10 U	< 0.50 U	–	< 0.50 U	< 1 U	< 1 U	< 0.50 U	2.4
WR-MW-08A	12/13/07	–	–	–	< 0.50 U	< 0.50 U	–	< 10 U	< 0.50 U	–	< 0.50 U	< 1 U	< 1 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	< 1 U	< 1 U	< 0.50 U	1.5
WR-MW-08A	10/07/08	–	–	–	< 0.50 U	< 0.50 U	–	< 10 U	< 0.50 U	–	< 0.50 U	< 1 U	< 1 U	< 0.50 U	0.50
WR-MW-08A	04/09/09	–	–	–	< 0.50 U	< 0.50 U	–	< 10 U	< 0.50 U	–	< 0.50 U	< 1 U	< 1 U	< 0.50 U	1.6
WR-MW-08A	06/24/10	–	–	–	< 0.50 U	< 0.50 U	–	< 10 U	< 0.50 U	–	< 0.50 U	< 1 U	< 1 U	< 0.50 U	3.6
WR-MW-08A	01/27/11	–	–	–	< 0.50 U	< 0.50 U	–	< 10 U	< 0.50 U	–	< 0.50 U	< 1 U	< 1 U	< 0.50 U	1.7
WR-MW-08A	06/20/11	–	–	–	< 0.50 U	< 0.50 U	–	< 10 U	< 0.50 U	–	< 0.50 U	< 1 U	< 1 U	< 0.50 U	1.9
WR-MW-08A	01/11/12	–	–	–	< 0.50 U	< 0.50 U	–	< 10 U	< 0.50 U	–	< 0.50 U	< 1 U	< 1 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	< 1 U	< 1 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	< 1 U	< 1 U	< 0.50 U	1.2
WR-MW-08A	06/25/13	–	–	–	< 0.50 U	< 0.50 U	–	< 10 U	< 0.50 U	–	< 0.50 U	< 1 U	< 1 U	< 0.50 U	1.5
WR-MW-08A	12/03/13	–	–	–	< 0.50 U	< 0.50 U	–	< 10 U	< 0.50 U	–	< 0.50 U	< 1 U	< 1 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	< 1 U	< 1 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	< 1 U	< 1 U	< 0.50 U	< 0.50 U
WR-MW-08A	09/28/16	–	–	–	< 0.40 U	< 0.20 U	–	96	< 0.20 U	–	< 0.20 U	< 0.40 U	< 0.40 U	1.3	< 0.20 U
WR-MW-08A	12/21/16	–	–	–	< 0.40 U	< 0.20 U	–	46	< 0.20 U	–	0.50	< 0.40 U	< 0.40 U	1.2	< 0.20 U
WR-MW-08A	06/28/17	–	–	–	< 0.40 U	< 0.40 U	–	5 J	< 0.20 U	–	0.30 J	< 0.40 U	< 0.40 U	0.30 J	< 0.40 U
WR-MW-08A	12/19/17	–	–	–	< 0.40 U	< 0.40 U	–	38	< 0.20 U	–	< 0.40 U	< 0.40 U	< 0.8 U	< 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	< 0.40 U	< 0.40 U	< 0.40 U	< 0.20 U
WR-MW-08A	12/14/18	–	–	–	< 0.50 U	< 0.50 U	–	110 J	< 0.50 U	–	< 0.50 U	< 0.50 U	< 0.50 U	< 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	< 0.40 U	< 0.8 U	< 0.40 U	< 0.20 U
WR-MW-08A	12/30/19	–	–	–	< 0.40 U	< 0.40 U	–	< 4 UJ	< 0.20 U	–	< 0.40 U	< 0.40 U	< 0.8 U	< 0.40 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	Bromoform	Chloromethane	Chloroform	cis-1,2-DCE
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	µg/L
California MCL	N/A	N/A	N/A	200	6	N/A	N/A	1	4	80	80	N/A	80	6
Historical MCL Exceedances?	No	No	No	No	No	No	No	Yes	Yes	No	No	No	No	Yes
Well ID	**Sampled**													
WR-MW-08A	05/07/20	–	–	–	< 0.40 U	< 0.40 U	–	27	< 0.20 U	–	< 0.40 U	< 0.40 U	< 0.8 U	< 1 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	< 0.30 U	< 0.50 U	< 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	< 0.30 U	< 0.16 U	< 0.16 U	< 0.16 U
WR-MW-08A	12/16/21	–	–	–	< 0.16 U	< 0.20 U	–	< 8 U	< 0.16 U	–	< 0.30 U	< 0.30 U	< 0.16 U	< 0.16 U	< 0.16 U
WR-MW-08A	06/08/22	–	–	–	< 0.16 U	< 0.20 U	–	< 8 U	< 0.16 U	–	< 0.30 U	< 0.30 U	< 0.16 U	< 0.16 U	< 0.16 U
WR-MW-08A	06/08/22	–	–	–	< 0.16 U	< 0.20 U	–	< 8 U	< 0.16 U	–	< 0.30 U	< 0.30 U	< 0.16 U	< 0.16 U	< 0.16 U
WR-MW-08A	11/29/22	–	–	–	< 0.16 U	< 0.20 U	–	< 8.0 U	< 0.16 U	–	< 0.30 U	< 0.30 U	< 0.16 U	< 0.16 U	< 0.16 U
WR-MW-08A	11/29/22	–	–	–	< 0.16 U	< 0.20 U	–	< 8.0 U	< 0.16 U	–	< 0.30 U	< 0.30 U	< 0.16 U	< 0.16 U	< 0.16 U
WR-MW-08A	06/15/23	–	–	–	< 0.16 U	< 0.20 U	–	< 8.0 U	< 0.16 U	–	< 0.30 U	< 0.30 U	< 0.16 U	< 0.16 U	< 0.16 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	< 1 U	0.41 J	0.22 J	< 1 U
WR-MW-09A	02/12/03	–	–	–	< 0.50 U	< 0.50 U	–	< 10 U	< 0.50 U	–	< 0.50 U	< 1 U	< 1 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	< 1 U	< 1 U	0.8	< 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	< 1 U	< 1 U	< 0.50 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	< 1 U	< 1 U	< 0.50 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	< 1 U	< 1 U	< 0.50 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	< 1 U	< 1 U	< 0.50 U	1.0
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	< 1 U	< 1 U	< 0.50 U	4.1
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	< 1 U	< 1 U	< 0.50 U	**7.9 J+**
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	< 1 U	< 1 U	< 0.50 U	**6.8**
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	< 1 U	< 1 U	< 0.50 U	3.3
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	< 1 U	< 1 U	< 0.50 U	3.8
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	< 1 U	< 1 U	< 0.50 U	5.5
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	< 1 U	< 1 U	< 0.50 U	**12**
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	< 1 U	< 1 U	< 0.50 U	**11**
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	< 1 U	< 1 U	< 0.50 U	**14**
WR-MW-09A	06/26/06	–	–	–	< 0.50 U	< 0.50 U	–	940	< 0.50 U	–	< 0.50 U	< 1 U	< 1 U	< 0.50 U	**27**
WR-MW-09A	09/26/06	–	–	–	< 0.50 U	< 0.50 U	–	660	< 0.50 U	–	< 0.50 U	< 1 U	< 1 U	< 0.50 U	**22**
WR-MW-09A	12/13/06	97	< 50 U	< 300 U	< 0.50 U	< 0.50 U	–	84	< 0.50 U	–	< 0.50 U	< 1 U	< 1 U	< 0.50 U	**18**
WR-MW-09A	03/27/07	–	–	–	< 0.50 U	< 0.50 U	–	< 10 U	< 0.50 U	–	< 0.50 U	< 1 U	< 1 U	< 0.50 U	**14**
WR-MW-09A	07/12/07	–	–	–	< 0.50 U	< 0.50 U	–	< 10 U	< 0.50 U	–	< 0.50 U	< 1 U	< 1 U	< 0.50 U	**16**
WR-MW-09A	09/26/07	–	–	–	< 0.50 U	< 0.50 U	–	< 10 U	< 0.50 U	–	< 0.50 U	< 1 U	< 1 U	< 0.50 U	**11**
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	< 1 U	< 1 U	< 0.50 U	**11**
WR-MW-09A	10/08/08	–	–	–	< 0.50 U	< 0.50 U	–	< 10 U	< 0.50 U	–	< 0.50 U	< 1 U	< 1 U	< 0.50 U	**8.9**

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	Bromoform	Chloromethane	Chloroform	cis-1,2-DCE
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	µg/L
California MCL		N/A	N/A	N/A	200	6	N/A	N/A	1	4	80	80	N/A	80	6
Historical MCL Exceedances?		No	No	No	No	No	No	No	Yes	Yes	No	No	No	No	Yes
Well ID	**Sampled**														
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	< 1 U	< 1 U	< 0.50 U	**8.0**
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	< 1 U	< 1 U	< 0.50 U	**12**
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	< 1 U	< 1 U	< 0.50 U	**10**
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	< 1 U	< 1 U	< 0.50 U	**14**
WR-MW-09A	01/10/12	430	< 50 U	360	< 0.50 U	< 0.50 U	–	< 10 U	< 0.50 U	–	< 0.50 U	< 1 U	< 1 U	< 0.50 U	**12**
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	< 1 U	< 1 U	< 0.50 U	**15**
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	< 1 U	< 1 U	< 0.50 U	**20**
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	< 1 U	< 1 U	< 0.50 U	**20**
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	< 1 U	< 1 U	< 0.50 U	**20**
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	< 1 U	< 1 U	< 0.50 U	**18**
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	< 1 U	< 1 U	< 0.50 U	**18**
WR-MW-09A	09/28/16	–	–	–	< 0.40 U	< 0.20 U	–	49	< 0.20 U	–	< 0.20 U	< 0.40 U	< 0.40 U	< 0.20 U	**27**
WR-MW-09A	12/21/16	–	–	–	0.40 J	0.20 J	–	59 J	0.20 J	–	0.20 J	0.40 J	0.40 J	0.20 J	**40 J**
WR-MW-09A	12/21/16	–	–	–	< 0.40 U	< 0.20 U	–	60	< 0.20 U	–	< 0.20 U	< 0.40 U	< 0.40 U	< 0.20 U	**41**
WR-MW-09A	06/28/17	–	–	–	< 0.40 U	< 0.40 U	–	34 J	< 0.20 U	–	< 0.40 U	< 0.40 U	< 0.40 U	< 0.20 U	**32**
WR-MW-09A	12/19/17	–	–	–	< 0.40 U	< 0.40 U	–	95	< 0.20 U	–	< 0.40 U	< 0.40 U	< 0.8 U	< 0.20 U	**30**
WR-MW-09A	06/14/18	–	–	–	< 0.40 U	< 0.40 U	–	18	< 0.20 U	–	< 0.20 U	< 0.40 U	< 0.40 U	< 0.40 U	**34**
WR-MW-09A	12/14/18	–	–	–	< 0.50 U	< 0.50 U	–	71 J	< 0.50 U	–	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	**26**
WR-MW-09A	06/25/19	–	–	–	< 0.40 U	< 0.40 U	–	4.8 J	< 0.20 U	–	< 0.20 U	< 0.40 U	< 0.8 U	< 0.40 U	**25**
WR-MW-09A	12/30/19	–	–	–	< 0.40 U	< 0.40 U	–	< 39 UJ	< 0.20 U	–	< 0.40 U	< 0.40 U	< 0.8 U	< 0.40 U	**13**
WR-MW-09A	05/07/20	–	–	–	< 0.40 U	< 0.40 U	–	24	< 0.20 U	–	< 0.40 U	< 0.40 U	< 0.8 U	< 1 U	**22**
WR-MW-09A	11/18/20	–	–	–	< 0.20 U	< 0.20 U	–	17 J	< 0.20 U	–	< 0.20 U	< 0.30 U	< 0.50 U	< 0.20 U	**16**
WR-MW-09A	12/16/21	–	–	–	< 0.16 U	< 0.20 U	–	< 8 U	< 0.16 U	–	< 0.30 U	< 0.30 U	< 0.16 U	< 0.16 U	4.1
WR-MW-09A	06/08/22	–	–	–	< 0.16 U	< 0.20 U	–	< 8 U	< 0.16 U	–	< 0.30 U	< 0.30 U	< 0.16 U	< 0.16 U	**10**
WR-MW-09A	11/29/22	–	–	–	< 0.16 U	< 0.20 U	–	< 8.0 U	< 0.16 U	–	< 0.30 U	< 0.30 U	< 0.16 U	< 0.16 U	**9.5**
WR-MW-09A	06/15/23	–	–	–	< 0.16 U	< 0.20 U	–	340	< 0.16 U	–	< 0.30 U	< 0.30 U	< 0.16 U	< 0.16 U	**8.6**
WR-MW-10A	09/03/04	–	–	–	< 0.50 U	< 0.50 U	–	< 10 U	< 0.50 U	–	< 0.50 U	< 1 U	< 1 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	< 1 U	< 1 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	< 1 U	< 1 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	< 1 U	< 1 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	< 1 U	< 1 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	< 1 U	< 1 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	< 1 U	< 1 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	Bromoform	Chloromethane	Chloroform	cis-1,2-DCE
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	µg/L
California MCL	N/A	N/A	N/A	200	6	N/A	N/A	1	4	80	80	N/A	80	6
Historical MCL Exceedances?	No	No	No	No	No	No	No	Yes	Yes	No	No	No	No	Yes
Well ID **Sampled**														
WR-MW-10A 06/27/06	–	–	–	< 0.50 U	< 0.50 U	–	< 10 U	< 0.50 U	–	< 0.50 U	< 1 U	< 1 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	< 1 U	< 1 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	< 1 U	< 1 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	< 1 U	< 1 U	< 0.50 U	0.90
WR-MW-10A 06/11/07	–	–	–	< 0.50 U	< 0.50 U	–	< 10 U	< 0.50 U	–	< 0.50 U	< 1 U	< 1 U	< 0.50 U	1.9
WR-MW-10A 09/26/07	–	–	–	< 0.50 U	< 0.50 U	–	< 10 U	< 0.50 U	–	< 0.50 U	< 1 U	< 1 U	< 0.50 U	2.1
WR-MW-10A 12/13/07	–	–	–	< 0.50 U	< 0.50 U	–	< 10 U	< 0.50 U	–	< 0.50 U	< 1 U	< 1 U	< 0.50 U	0.70
WR-MW-10A 03/26/08	–	–	–	< 0.50 U	< 0.50 U	–	< 10 U	< 0.50 U	–	< 0.50 U	< 1 U	< 1 U	< 0.50 U	**32**
WR-MW-10A 10/07/08	–	–	–	< 0.50 U	< 0.50 U	–	< 10 U	< 0.50 U	–	< 0.50 U	< 1 U	< 1 U	< 0.50 U	2.1
WR-MW-10A 04/08/09	–	–	–	< 0.50 U	< 0.50 U	–	< 10 U	< 0.50 U	–	< 0.50 U	< 1 U	< 1 U	< 0.50 U	**9.5**
WR-MW-10A 09/28/09	–	–	–	< 0.50 U	< 0.50 U	–	< 10 U	< 0.50 U	–	< 0.50 U	< 1 U	< 1 U	< 0.50 U	**8.1**
WR-MW-10A 06/24/10	–	–	–	< 0.50 U	< 0.50 U	–	< 10 U	< 0.50 U	–	< 0.50 U	< 1 U	< 1 U	< 0.50 U	2.8
WR-MW-10A 01/27/11	–	–	–	< 0.50 U	< 0.50 U	–	< 10 U	< 0.50 U	–	< 0.50 U	< 1 U	< 1 U	< 0.50 U	4.1
WR-MW-10A 06/21/11	–	–	–	< 0.50 U	< 0.50 U	–	< 10 U	< 0.50 U	–	< 0.50 U	< 1 U	< 1 U	< 0.50 U	**7.8**
WR-MW-10A 01/11/12	–	–	–	< 0.50 U	< 0.50 U	–	< 10 U	< 0.50 U	–	< 0.50 U	< 1 U	< 1 U	< 0.50 U	2.4
WR-MW-10A 06/27/12	–	–	–	< 0.50 U	< 0.50 U	–	< 10 U	< 0.50 U	–	< 0.50 U	< 1 U	< 1 U	< 0.50 U	1.7
WR-MW-10A 01/04/13	–	–	–	< 0.50 U	< 0.50 U	–	< 10 U	< 0.50 U	–	< 0.50 U	< 1 U	< 1 U	< 0.50 U	4.9
WR-MW-10A 06/26/13	–	–	–	< 0.50 U	< 0.50 U	–	< 10 U	< 0.50 U	–	< 0.50 U	< 1 U	< 1 U	< 0.50 U	2.3
WR-MW-10A 12/04/13	–	–	–	< 0.50 U	< 0.50 U	–	< 10 U	< 0.50 U	–	< 0.50 U	< 1 U	< 1 U	< 0.50 U	2.2
WR-MW-10A 07/01/14	–	–	–	< 0.50 U	< 0.50 U	–	< 10 U	< 0.50 U	–	< 0.50 U	< 1 U	< 1 U	< 0.50 U	1.9
WR-MW-10A 11/05/14	–	–	–	< 0.50 U	< 0.50 U	–	< 10 U	< 0.50 U	–	< 0.50 U	< 1 U	< 1 U	< 0.50 U	2.8
WR-MW-10A 11/18/20	–	–	–	< 0.20 U	< 0.20 U	–	18 J	< 0.20 U	–	< 0.20 U	< 0.30 U	< 0.50 U	< 0.20 U	4.0
WR-MW-10A 12/16/21	–	–	–	< 0.16 U	< 0.20 U	–	< 8 U	0.08 J	–	< 0.30 U	< 0.30 U	< 0.16 U	< 0.16 U	3.4
WR-MW-10A 06/08/22	–	–	–	< 0.16 U	< 0.20 U	–	< 8 U	< 0.16 U	–	< 0.30 U	< 0.30 U	< 0.16 U	< 0.16 U	3.4
WR-MW-10A 11/29/22	–	–	–	< 0.16 U	< 0.20 U	–	< 8.0 U	< 0.16 U	–	< 0.30 U	< 0.30 U	< 0.16 U	< 0.16 U	4.7
WR-MW-10A 06/15/23	–	–	–	< 0.16 U	< 0.20 U	–	70	< 0.16 U	–	< 0.30 U	< 0.30 U	< 0.16 U	< 0.16 U	4.8
WR-MW-11A 09/03/04	–	–	–	< 0.50 U	< 0.50 U	–	< 10 U	< 0.50 U	–	< 0.50 U	< 1 U	< 1 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	< 1 U	< 1 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	< 1 U	< 1 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	< 1 U	< 1 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	< 1 U	< 1 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	< 1 U	< 1 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	< 1 U	< 1 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	Bromoform	Chloromethane	Chloroform	cis-1,2-DCE
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	µg/L
California MCL		N/A	N/A	N/A	200	6	N/A	N/A	1	4	80	80	N/A	80	6
Historical MCL Exceedances?		No	No	No	No	No	No	No	Yes	Yes	No	No	No	No	Yes
Well ID	**Sampled**														
WR-MW-11A	06/27/06	–	–	–	< 0.50 U	< 0.50 U	–	< 10 U	< 0.50 U	–	< 0.50 U	< 1 U	< 1 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	< 1 U	< 1 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	< 1 U	< 1 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	< 1 U	< 1 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	< 1 U	< 1 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	< 1 U	< 1 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	< 1 U	< 1 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	< 1 U	< 1 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	< 1 U	< 1 U	< 0.50 U	0.60
WR-MW-11A	04/08/09	–	–	–	< 0.50 U	< 0.50 U	–	< 10 U	< 0.50 U	–	< 0.50 U	< 1 U	< 1 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	< 1 U	< 1 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	< 1 U	< 1 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	< 1 U	< 1 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	< 1 U	< 1 U	< 0.50 U	0.70
WR-MW-11A	01/11/12	–	–	–	< 0.50 U	< 0.50 U	–	< 10 U	< 0.50 U	–	< 0.50 U	< 1 U	< 1 U	< 0.50 U	0.90
WR-MW-11A	06/26/12	–	–	–	< 0.50 U	< 0.50 U	–	< 10 U	< 0.50 U	–	< 0.50 U	< 1 U	< 1 U	< 0.50 U	1.5
WR-MW-11A	01/03/13	–	–	–	< 0.50 U	< 0.50 U	–	< 10 U	< 0.50 U	–	< 0.50 U	< 1 U	< 1 U	< 0.50 U	2.2
WR-MW-11A	06/25/13	–	–	–	< 0.50 U	< 0.50 U	–	< 10 U	< 0.50 U	–	< 0.50 U	< 1 U	< 1 U	< 0.50 U	2.1
WR-MW-11A	12/03/13	–	–	–	< 0.50 U	< 0.50 U	–	< 10 U	< 0.50 U	–	< 0.50 U	< 1 U	< 1 U	< 0.50 U	2.0
WR-MW-11A	07/01/14	–	–	–	< 0.50 U	< 0.50 U	–	< 10 U	< 0.50 U	–	< 0.50 U	< 1 U	< 1 U	< 0.50 U	2.2
WR-MW-11A	11/05/14	–	–	–	< 0.50 U	< 0.50 U	–	< 10 U	< 0.50 U	–	< 0.50 U	< 1 U	< 1 U	< 0.50 U	2.0
WR-MW-11A	09/28/16	–	–	–	< 0.40 U	< 0.20 U	–	67	< 0.20 U	–	< 0.20 U	< 0.40 U	< 0.40 U	< 0.20 U	0.50
WR-MW-11A	12/21/16	–	–	–	< 0.40 U	< 0.20 U	–	74	< 0.20 U	–	< 0.20 U	< 0.40 U	< 0.40 U	< 0.20 U	2.1
WR-MW-11A	06/28/17	–	–	–	< 0.40 U	< 0.40 U	–	30 J	< 0.20 U	–	< 0.40 U	< 0.40 U	< 0.40 U	< 0.20 U	2.1 J
WR-MW-11A	12/19/17	–	–	–	< 0.40 U	< 0.40 U	–	170	< 0.40 U	–	< 0.40 U	< 0.40 U	< 0.8 U	< 0.40 U	2.2
WR-MW-11A	12/14/18	–	–	–	< 0.50 U	< 0.50 U	–	300 J	< 0.50 U	–	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	0.69
WR-MW-11A	06/25/19	–	–	–	< 0.40 U	< 0.40 U	–	42 J	< 0.20 U	–	< 0.20 U	< 0.40 U	< 0.8 U	< 0.40 U	1.7
WR-MW-11A	12/30/19	–	–	–	< 0.40 U	< 0.40 U	–	67 J	< 0.20 U	–	< 0.40 U	< 0.40 U	< 0.8 U	< 0.40 U	0.80 J
WR-MW-11A	05/07/20	–	–	–	< 0.40 U	< 0.40 U	–	23	< 0.20 U	–	< 0.40 U	< 0.40 U	< 0.8 U	< 1 U	0.70
WR-MW-11A	11/18/20	–	–	–	< 0.20 U	< 0.20 U	–	8.8	< 0.20 U	–	< 0.20 U	< 0.30 U	< 0.50 U	< 0.20 U	0.43
WR-MW-11A	12/16/21	–	–	–	< 0.16 U	< 0.20 U	–	< 8 U	< 0.16 U	–	< 0.30 U	< 0.30 U	< 0.16 U	< 0.16 U	< 0.16 U
WR-MW-11A	06/08/22	–	–	–	< 0.16 U	< 0.20 U	–	< 8 U	< 0.16 U	–	< 0.30 U	< 0.30 U	< 0.16 U	< 0.16 U	< 0.16 U
WR-MW-11A	11/29/22	–	–	–	< 0.16 U	< 0.20 U	–	< 8.0 U	< 0.16 U	–	< 0.30 U	< 0.30 U	< 0.16 U	< 0.16 U	< 0.16 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	Bromoform	Chloromethane	Chloroform	cis-1,2-DCE
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	µg/L
California MCL	N/A	N/A	N/A	200	6	N/A	N/A	1	4	80	80	N/A	80	6
Historical MCL Exceedances?	No	No	No	No	No	No	No	Yes	Yes	No	No	No	No	Yes
Well ID **Sampled**														
WR-MW-11A 06/15/23	–	–	–	< 0.16 U	< 0.20 U	–	1100	< 0.16 U	–	< 0.30 U	< 0.30 U	< 0.16 U	< 0.16 U	< 0.16 U
WR-MW-12A 09/20/05	–	–	–	< 0.50 U	< 0.50 U	–	< 10 U	< 0.50 U	–	< 0.50 U	< 1 U	< 1 U	< 0.50 U	2.8
WR-MW-12A 12/06/05	–	–	–	< 0.50 U	< 0.50 U	–	< 10 U	< 0.50 U	–	< 0.50 U	< 1 U	< 1 U	< 0.50 U	0.90
WR-MW-12A 03/14/06	–	–	–	< 0.50 U	< 0.50 U	–	< 10 U	< 0.50 U	–	< 0.50 U	< 1 U	< 1 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	< 1 U	< 1 U	< 0.50 U	**21**
WR-MW-12A 09/26/06	–	–	–	< 0.50 U	< 0.50 U	–	< 10 U	< 0.50 U	–	< 0.50 U	< 1 U	< 1 U	< 0.50 U	**23**
WR-MW-12A 12/13/06	–	–	–	< 0.70 U	< 0.70 U	–	< 14 U	< 0.70 U	–	< 0.70 U	< 1.4 U	< 1.4 U	< 0.70 U	**19**
WR-MW-12A 03/26/07	–	–	–	< 0.50 U	< 0.50 U	–	< 10 U	< 10 U	–	< 0.50 U	< 0.50 U	< 0.50 U	< 1 U	**13**
WR-MW-12A 06/11/07	–	–	–	< 0.50 U	< 0.50 U	–	< 10 U	< 10 U	–	< 0.50 U	< 0.50 U	< 0.50 U	< 1 U	**39**
WR-MW-12A 09/25/07	–	–	–	< 0.50 U	< 0.50 U	–	< 10 U	< 0.50 U	–	< 0.50 U	< 1 U	< 1 U	< 0.50 U	**11**
WR-MW-12A 12/13/07	–	–	–	< 0.50 U	< 0.50 U	–	< 10 U	< 0.50 U	–	< 0.50 U	< 1 U	< 1 U	< 0.50 U	**7.8**
WR-MW-12A 03/26/08	–	–	–	< 0.50 U	< 0.50 U	–	< 10 U	< 0.50 U	–	< 0.50 U	< 1 U	< 1 U	< 0.50 U	**13**
WR-MW-12A 10/07/08	–	–	–	< 0.50 U	< 0.50 U	–	< 10 U	< 0.50 U	–	< 0.50 U	< 1 U	< 1 U	< 0.50 U	**13**
WR-MW-12A 04/08/09	–	–	–	< 0.50 U	< 0.50 U	–	< 10 U	< 0.50 U	–	< 0.50 U	< 1 U	< 1 U	< 0.50 U	**24**
WR-MW-12A 09/28/09	–	–	–	< 0.50 U	< 0.50 U	–	< 10 U	< 0.50 U	–	< 0.50 U	< 1 U	< 1 U	< 0.50 U	**12**
WR-MW-12A 06/24/10	–	–	–	< 0.50 U	< 0.50 U	–	< 10 U	< 0.50 U	–	< 0.50 U	< 1 U	< 1 U	< 0.50 U	**29**
WR-MW-12A 01/27/11	–	–	–	< 0.50 U	< 0.50 U	–	< 10 U	< 0.50 U	–	< 0.50 U	< 1 U	< 1 U	< 0.50 U	**25**
WR-MW-12A 06/21/11	–	–	–	< 0.50 U	< 0.50 U	–	< 10 U	< 0.50 U	–	< 0.50 U	< 1 U	< 1 U	< 0.50 U	**24**
WR-MW-12A 01/11/12	–	–	–	< 0.50 U	< 0.50 U	–	< 10 U	< 0.50 U	–	< 0.50 U	< 1 U	< 1 U	< 0.50 U	**24**
WR-MW-12A 06/27/12	–	–	–	< 0.50 U	< 0.50 U	–	< 10 U	< 0.50 U	–	< 0.50 U	< 1 U	< 1 U	< 0.50 U	**24**
WR-MW-12A 01/04/13	–	–	–	< 0.50 U	< 0.50 U	–	< 10 U	< 0.50 U	–	< 0.50 U	< 1 U	< 1 U	< 0.50 U	**21**
WR-MW-12A 06/26/13	–	–	–	< 0.50 U	< 0.50 U	–	< 10 U	< 0.50 U	–	< 0.50 U	< 1 U	< 1 U	< 0.50 U	**16**
WR-MW-12A 12/04/13	–	–	–	< 0.50 U	< 0.50 U	–	< 10 U	< 0.50 U	–	< 0.50 U	< 1 U	< 1 U	< 0.50 U	**14**
WR-MW-12A 07/01/14	–	–	–	< 0.50 U	< 0.50 U	–	< 10 U	< 0.50 U	–	< 0.50 U	< 1 U	< 1 U	< 0.50 U	**11**
WR-MW-12A 11/05/14	–	–	–	< 0.50 U	< 0.50 U	–	< 10 U	< 0.50 U	–	< 0.50 U	< 1 U	< 1 U	< 0.50 U	**11**
WR-MW-12A 09/28/16	–	–	–	< 0.40 U	< 0.20 U	–	76	< 0.20 U	–	< 0.20 U	< 0.40 U	< 0.40 U	< 0.20 U	**26**
WR-MW-12A 12/21/16	–	–	–	< 0.40 U	< 0.20 U	–	83	< 0.20 U	–	< 0.20 U	< 0.40 U	< 0.40 U	< 0.20 U	**19**
WR-MW-12A 06/28/17	–	–	–	< 0.40 U	< 0.40 U	–	6.5 J	< 0.20 U	–	< 0.40 U	< 0.40 U	< 0.40 U	< 0.20 U	**24**
WR-MW-12A 12/19/17	–	–	–	< 0.40 U	< 0.40 U	–	130	< 0.20 U	–	< 0.40 U	< 0.40 U	< 0.8 U	< 0.20 U	**16**
WR-MW-12A 06/14/18	–	–	–	< 0.40 U	< 0.40 U	–	7.8 J	0.10 J	–	< 0.40 U	< 0.40 U	< 0.8 U	< 0.40 U	**10**
WR-MW-12A 06/14/18	–	–	–	< 0.40 U	< 0.40 U	–	9.4 J	0.10 J	–	< 0.20 U	< 0.40 U	< 0.40 U	< 0.40 U	**10**
WR-MW-12A 12/14/18	–	–	–	< 0.50 U	< 0.50 U	–	72 J	< 0.50 U	–	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	**11**
WR-MW-12A 06/25/19	–	–	–	< 0.40 U	< 0.40 U	–	28 J	< 0.20 U	–	< 0.20 U	< 0.40 U	< 0.8 U	< 0.40 U	**14**

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	Bromoform	Chloromethane	Chloroform	cis-1,2-DCE
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	µg/L
California MCL		N/A	N/A	N/A	200	6	N/A	N/A	1	4	80	80	N/A	80	6
Historical MCL Exceedances?		No	No	No	No	No	No	No	Yes	Yes	No	No	No	No	Yes
Well ID	**Sampled**														
WR-MW-12A	12/30/19	–	–	–	< 0.40 U	< 0.40 U	–	< 17 UJ	< 0.20 U	–	< 0.40 U	< 0.40 U	< 0.8 U	< 0.40 U	**11**
WR-MW-12A	05/07/20	–	–	–	< 0.40 U	< 0.40 U	–	21	< 0.20 U	–	< 0.40 U	< 0.40 U	< 0.8 U	< 1 U	**11**
WR-MW-12A	11/18/20	–	–	–	< 0.20 U	< 0.20 U	–	12	< 0.20 U	–	< 0.20 U	< 0.30 U	< 0.50 U	< 0.20 U	**11**
WR-MW-12A	12/16/21	–	–	–	< 0.16 U	< 0.20 U	–	< 8 U	< 0.16 U	–	< 0.30 U	< 0.30 U	< 0.16 U	< 0.16 U	**7.0**
WR-MW-12A	06/08/22	–	–	–	< 0.16 U	< 0.20 U	–	< 8 U	< 0.16 U	–	< 0.30 U	< 0.30 U	< 0.16 U	< 0.16 U	5.9
WR-MW-12A	11/29/22	–	–	–	< 0.16 U	< 0.20 U	–	< 8.0 U	< 0.16 U	–	< 0.30 U	< 0.30 U	< 0.16 U	< 0.16 U	4.8
WR-MW-12A	06/15/23	–	–	–	< 0.16 U	< 0.20 U	–	230 J	< 0.16 U	–	< 0.30 U	< 0.30 U	< 0.16 U	< 0.16 U	**7.8**

Notes:

<= Not detected above indicated limit

µg/L= micrograms per liter

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

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

MCL= Maximum Contaminant Level

N/A= not applicable

U= Not detected at or above limit of detection

UJ = estimated not detected

Table B-1. Historical Groundwater Monitoring Results - Organics

Analyte		Dibromochloro-methane	Ethanol	MEK	MTBE	PCE	Phenol	TCE	Toluene	trans-1,2- DCE	Vinyl Chloride	Xylenes, Total
Units		µg/L	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	N/A	13	5	N/A	5	150	10	0.5	1750
Historical MCL Exceedances?		No	No	No	Yes	Yes	No	Yes	No	No	Yes	No
Well ID	**Sampled**											
WR-IW-01	10/02/02	< 1 U	–	< 10 U	< 1 U	**54 J+**	–	2.0	< 1 U	< 1 U	< 1 U	< 1 U
WR-IW-01	11/11/03	< 13 U	970000	3000	< 13 U	< 13 U	–	< 13 U	< 13 U	< 13 U	< 13 U	–
WR-IW-01	02/10/04	< 13 U	47000	4500	< 13 U	< 13 U	–	< 13 U	< 13 U	< 13 U	< 13 U	–
WR-IW-02	10/02/02	< 1 U	–	< 10 U	8.8	**52 J+**	–	2.8	< 1 U	< 1 U	< 1 U	< 1 U
WR-IW-02	11/11/03	< 13 U	1500000	4500	< 13 U	< 13 U	–	< 13 U	< 13 U	< 13 U	< 13 U	–
WR-IW-03	10/02/02	< 1 U	–	< 10 U	< 1 U	**84**	–	**5.9**	< 1 U	< 1 U	< 1 U	< 1 U
WR-IW-03	11/11/03	< 13 U	< 25000 U	5100	< 13 U	< 13 U	–	< 13 U	< 13 U	< 13 U	< 13 U	–
WR-IW-03	02/10/04	< 20 U	< 40000 U	18000	< 20 U	< 20 U	–	< 20 U	< 20 U	< 20 U	< 20 U	–
WR-IW-04	10/02/02	0.53 J	–	< 10 U	< 1 U	**47**	–	2.2	< 1 U	< 1 U	< 1 U	< 1 U
WR-IW-04	11/11/03	< 13 U	2100000	5800	< 13 U	< 13 U	–	< 13 U	< 13 U	< 13 U	< 13 U	–
WR-MW-01	07/27/01	< 0.50 U	–	< 20 U	< 10 U	**122**	–	**5.2**	< 5 U	–	< 10 U	< 5 U
WR-MW-01	01/03/02	< 0.50 U	–	–	< 0.50 U	**130**	< 10 U	**6.8**	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U
WR-MW-01	01/03/02	< 0.50 U	–	–	< 0.50 U	**130**	< 10 U	**6.7**	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U
WR-MW-01	04/18/02	< 2.5 U	–	< 25 U	–	**15**	< 10 U	4.4	1.3 J	< 2.5 U	< 2.5 U	2.4 J
WR-MW-01	08/13/02	< 2.5 U	–	< 25 U	< 2.5 U	**89**	< 10 U	3.5	< 2.5 U	< 2.5 U	< 2.5 U	< 2.5 U
WR-MW-01	08/13/02	< 0.50 U	–	< 5 U	< 0.50 U	**110 J**	< 10 U	4.3	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U
WR-MW-01	11/14/02	< 0.50 U	–	< 5 UJ	< 0.50 UJ	**130 J+**	–	4.1	0.31 J	< 0.50 UJ	< 0.50 UJ	0.23 J+
WR-MW-01	02/13/03	< 0.50 U	–	< 10 U	< 0.50 U	**90**	–	3.6	< 0.50 U	< 0.50 U	< 0.50 U	–
WR-MW-01	02/13/03	< 0.50 U	–	10	< 0.50 U	**91**	–	3.4	< 0.50 U	< 0.50 U	< 0.50 U	–
WR-MW-01	06/26/03	< 0.50 U	–	1700	1.5	**32**	–	1.4	< 0.50 U	< 0.50 U	< 0.50 U	–
WR-MW-01	06/26/03	< 0.50 U	–	1500	1.3	**31**	–	1.4	< 0.50 U	< 0.50 U	< 0.50 U	–
WR-MW-01	08/06/03	< 0.50 U	< 1000 U	1300	2.2	**13**	520	1.3	< 0.50 U	< 0.50 U	< 0.50 U	–
WR-MW-01	11/11/03	< 0.50 U	< 1000 U	160	5.4	**6.3**	140	1.1	< 0.50 U	< 0.50 U	< 0.50 U	–
WR-MW-01	11/11/03	< 0.50 U	< 1000 U	150	5.4	**6.0**	150	1.0	< 0.50 U	< 0.50 U	< 0.50 U	–
WR-MW-01	02/10/04	< 0.50 U	< 1000 U	< 10 U	9.1	**15**	< 9.4 U	2.9	< 0.50 U	< 0.50 U	< 0.50 U	–
WR-MW-01	05/25/04	< 0.50 U	–	22	8.0	**15**	–	2.2	< 0.50 U	< 0.50 U	< 0.50 U	–
WR-MW-01	09/02/04	< 0.50 U	< 1000 U	17	10	**9.6**	22	2.1	< 0.50 U	< 0.50 U	< 0.50 U	–
WR-MW-01	12/08/04	< 0.50 U	< 1000 U	17	**13**	**18**	< 9.5 U	2.8	< 0.50 U	< 0.50 U	< 0.50 U	–
WR-MW-01	03/01/05	< 0.50 U	< 1000 U	< 10 U	9.0	**17**	< 9.5 U	1.8	< 0.50 U	< 0.50 U	< 0.50 U	–
WR-MW-01	03/01/05	< 0.50 U	< 1000 U	< 10 U	8.8	**17**	< 9.5 U	1.7	< 0.50 U	< 0.50 U	< 0.50 U	–
WR-MW-01	06/07/05	< 0.50 U	< 33000 U	3200	4.0	2.4	6100	2.1	< 0.50 U	< 0.50 U	< 0.50 U	–
WR-MW-01	06/07/05	< 0.50 U	< 33000 U	3100	4.2	2.1	4100	2.1	< 0.50 U	< 0.50 U	< 0.50 U	–
WR-MW-01	09/14/05	< 1 U	–	84	6.9	< 1 U	390	1.6	< 1 U	< 1 U	< 1 U	–

Table B-1. Historical Groundwater Monitoring Results - Organics

Analyte		Dibromochloro-methane	Ethanol	MEK	MTBE	PCE	Phenol	TCE	Toluene	trans-1,2- DCE	Vinyl Chloride	Xylenes, Total
Units		µg/L	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	N/A	13	5	N/A	5	150	10	0.5	1750
Historical MCL Exceedances?		No	No	No	Yes	Yes	No	Yes	No	No	Yes	No
Well ID	**Sampled**											
WR-MW-01	12/06/05	< 0.50 U	–	420	5.4	< 0.50 U	< 480 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	–
WR-MW-01	03/14/06	< 0.50 U	–	690	2.6	0.90	< 4800 U	4.3	< 0.50 U	< 0.50 U	< 0.50 U	–
WR-MW-01	06/26/06	< 1 U	< 2000 U	< 20 U	4.1	< 1 U	< 9.4 U	4.5	< 1 U	< 1 U	< 1 U	–
WR-MW-01	06/26/06	< 1 U	< 2000 U	< 20 U	4.3	< 1 U	< 9.4 U	3.3	< 1 U	< 1 U	< 1 U	–
WR-MW-01	09/26/06	< 2.5 U	< 5000 U	< 50 U	< 2.5 U	< 2 U	10	< 2.5 U	< 2.5 U	< 2.5 U	< 2.5 U	–
WR-MW-01	09/26/06	< 1 U	< 1000 U	< 10 U	2.8	< 0.50 U	12	4.0	< 0.50 U	< 0.50 U	< 0.50 U	–
WR-MW-01	12/13/06	< 0.50 U	< 1000 U	< 10 U	2.5	< 0.50 U	< 9.4 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	–
WR-MW-01	03/27/07	< 2.5 U	< 5000 U	< 50 U	2.7	< 2.5 U	< 19 U	< 2.5 U	< 2.5 U	< 2.5 U	< 2.5 U	–
WR-MW-01	06/12/07	< 0.50 U	< 1000 U	< 10 U	2.0	< 0.50 U	< 9.4 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	–
WR-MW-01	06/12/07	< 0.50 U	< 1000 U	< 10 U	2.1	0	< 9.4 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	–
WR-MW-01	09/26/07	< 0.50 U	< 1000 U	< 10 U	2.2	< 0.50 U	< 9.5 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	–
WR-MW-01	09/26/07	< 0.50 U	< 1000 U	< 10 U	2.1	< 0.50 U	< 9.5 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	–
WR-MW-01	12/13/07	< 0.50 U	< 1000 U	< 10 U	1.4	< 0.50 U	–	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U
WR-MW-01	12/13/07	< 0.50 U	< 1000 U	< 10 U	1.3	< 0.50 U	–	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U
WR-MW-01	03/27/08	< 0.50 U	< 1000 U	< 10 U	1.2	< 0.50 U	< 9.4 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U
WR-MW-01	03/27/08	< 0.50 U	< 1000 U	< 10 U	1.1	< 0.50 U	< 9.4 U	0.50	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U
WR-MW-01	10/08/08	< 0.50 U	< 1000 U	< 10 U	0.70	1.4	< 9.4 U	2.7	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U
WR-MW-01	10/08/08	< 0.50 U	< 1000 U	< 10 U	0.80	1.5	< 9.4 U	2.6	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U
WR-MW-01	04/09/09	< 0.50 U	< 1000 U	< 10 U	< 0.50 U	0.80	–	1.0	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U
WR-MW-01	04/09/09	< 0.50 U	< 1000 U	< 10 U	0.50	0.80	–	1.0	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U
WR-MW-01	06/24/10	< 0.50 U	< 1000 U	< 10 U	< 0.50 U	3.8	–	**6.6**	< 0.50 U	< 0.50 U	**1.1**	< 1 U
WR-MW-01	06/24/10	< 0.50 U	< 1000 U	< 10 U	< 0.50 U	4.1	–	**6.2**	< 0.50 U	< 0.50 U	**0.9**	< 1 U
WR-MW-01	01/26/11	< 0.50 U	< 1000 U	< 10 U	< 0.50 U	**6.2**	–	**5.8**	< 0.50 U	< 0.50 U	< 0.50 U	< 1 U
WR-MW-01	01/26/11	< 0.50 U	< 1000 U	< 10 U	< 0.50 U	4.9	–	4.9	< 0.50 U	< 0.50 U	< 0.50 U	< 1 U
WR-MW-01	06/20/11	< 0.50 U	< 1000 U	< 10 U	< 0.50 U	**9.2**	–	**8.6**	< 0.50 U	< 0.50 U	< 0.50 U	< 1 U
WR-MW-01	06/20/11	< 0.50 U	< 1000 U	< 10 U	< 0.50 U	**9.0**	–	**8.3**	< 0.50 U	< 0.50 U	< 0.50 U	< 1 U
WR-MW-01	01/11/12	< 0.50 U	< 1000 U	< 10 U	< 0.50 U	**12**	–	**8.5**	< 0.50 U	< 0.50 U	< 0.50 U	< 1 U
WR-MW-01	01/11/12	< 0.50 U	< 1000 U	< 10 U	< 0.50 U	**11**	–	**8.5**	< 0.50 U	< 0.50 U	< 0.50 U	< 1 U
WR-MW-01	06/26/12	< 0.50 U	< 1000 U	< 10 U	< 0.50 U	**11**	–	**7.8**	< 0.50 U	< 0.50 U	**0.5**	< 1 U
WR-MW-01	06/26/12	< 0.50 U	< 1000 U	< 10 U	< 0.50 U	**10**	–	**7.7**	< 0.50 U	< 0.50 U	**0.5**	< 1 U
WR-MW-01	01/04/13	< 0.50 U	< 1000 U	< 10 U	< 0.50 U	**8.2**	–	**9.0**	< 0.50 U	< 0.50 U	**0.6**	< 1 U
WR-MW-01	01/04/13	< 0.50 U	< 1000 U	< 10 U	< 0.50 U	**8.9**	–	**8.9**	< 0.50 U	< 0.50 U	**0.6**	< 1 U
WR-MW-01	06/25/13	< 0.50 U	< 1000 U	< 10 U	< 0.50 U	**7.4**	–	**9.8**	< 0.50 U	< 0.50 U	**0.8**	< 1 U

Table B-1. Historical Groundwater Monitoring Results - Organics

Analyte		Dibromochloro-methane	Ethanol	MEK	MTBE	PCE	Phenol	TCE	Toluene	trans-1,2- DCE	Vinyl Chloride	Xylenes, Total
Units		µg/L	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	N/A	13	5	N/A	5	150	10	0.5	1750
Historical MCL Exceedances?		No	No	No	Yes	Yes	No	Yes	No	No	Yes	No
Well ID	**Sampled**											
WR-MW-01	06/25/13	< 0.50 U	< 1000 U	< 10 U	< 0.50 U	**7.2**	–	**9.6**	< 0.50 U	< 0.50 U	**0.7**	< 1 U
WR-MW-01	12/03/13	< 0.50 U	< 1000 U	< 10 U	< 0.50 U	4.0	–	**6.9**	< 0.50 U	< 0.50 U	**0.8**	< 1 U
WR-MW-01	12/03/13	< 0.50 U	< 1000 U	< 10 U	< 0.50 U	4.0	–	**6.8**	< 0.50 U	< 0.50 U	**0.8**	< 1 U
WR-MW-01	06/30/14	< 0.50 U	< 1000 U	< 10 U	< 0.50 U	4.1	–	**7.4**	< 0.50 U	< 0.50 U	**0.7**	< 1 U
WR-MW-01	06/30/14	< 0.50 U	< 1000 U	< 10 U	< 0.50 U	3.9	–	**7.3**	< 0.50 U	< 0.50 U	**0.6**	< 1 U
WR-MW-01	11/05/14	< 0.50 U	< 1000 U	< 10 U	< 0.50 U	3.8	–	3.8	< 0.50 U	< 0.50 U	< 0.50 U	< 1 U
WR-MW-01	11/05/14	< 0.50 U	< 1000 U	< 10 U	< 0.50 U	3.0	–	3.6	< 0.50 U	< 0.50 U	< 0.50 U	< 1 U
WR-MW-01	09/28/16	< 0.20 U	–	40	< 0.20 U	0.70	–	0.90	0.10 J	< 0.20 U	< 0.20 U	< 0.40 U
WR-MW-01	12/21/16	< 0.20 U	–	20	< 0.20 U	3.4	–	3.0	< 0.20 U	0.10 J	**0.6**	< 0.40 U
WR-MW-01	06/28/17	< 0.40 U	< 40 U	1 J	< 0.40 U	1.3	–	3.1	< 0.20 U	0.20 J	**0.7**	< 0.40 U
WR-MW-01	12/19/17	< 0.40 U	17 J	4.5 J	< 0.40 U	0.90	–	3.0	< 0.40 U	0.30 J	**0.7**	< 0.40 U
WR-MW-01	06/14/18	< 0.20 U	–	< 4 U	< 0.20 U	0.80	–	2.4	< 0.40 U	0.40 J	**0.6**	< 0.40 U
WR-MW-01	12/14/18	< 0.50 U	–	< 5 UJ	< 0.50 U	0.33	–	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U
WR-MW-01	12/14/18	< 0.50 U	–	< 5 UJ	< 0.50 U	0.23	–	0.29	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U
WR-MW-01	06/25/19	< 0.40 U	–	< 1 U	< 0.40 U	0.70	–	0.40	< 0.20 U	< 0.40 U	< 0.40 U	< 0.40 U
WR-MW-01	12/30/19	< 0.40 U	–	< 4 U	< 0.40 U	0.30 J	–	1.1	< 0.20 U	< 0.40 U	< 0.40 U	< 0.40 U
WR-MW-01	12/30/19	< 0.40 U	–	< 4 U	< 0.40 U	0.30 J	–	0.90	< 0.20 U	< 0.40 U	< 0.40 U	< 0.40 U
WR-MW-01	05/07/20	< 0.40 UJ	–	< 4 UJ	< 0.40 UJ	0.30 J	–	**5.4 J**	< 0.20 UJ	0.20 J	< 0.40 UJ	< 0.40 UJ
WR-MW-01	05/07/20	< 0.40 U	–	< 4 UJ	< 0.40 U	0.30	–	**5.4**	< 0.20 U	0.20	< 0.40 U	< 0.40 U
WR-MW-01	11/18/20	< 0.20 U	–	< 10 U	< 0.30 U	0.34	–	1.5	< 0.20 U	< 0.20 U	< 0.30 U	< 0.50 U
WR-MW-01	11/18/20	< 0.20 U	–	10 J	< 0.30 U	0.28	–	0.24	< 0.20 U	< 0.20 U	< 0.30 U	< 0.50 U
WR-MW-01	11/29/22	< 0.16 U	–	< 3.0 U	< 0.16 U	0.32 J	–	2.3	< 0.16 U	0.22 J	< 0.16 U	< 0.46 U
WR-MW-01	06/15/23	< 0.16 U	–	< 3.0 U	< 0.16 U	3.2	–	**5.8**	< 0.16 U	< 0.16 U	< 0.16 U	< 0.46 U
WR-MW-01B	10/03/02	< 0.50 U	–	< 5 U	< 0.50 U	< 0.50 U	< 10 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U
WR-MW-01B	10/03/02	< 0.50 U	–	< 5 U	< 0.50 U	< 0.50 U	< 10 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U
WR-MW-01B	02/09/03	< 0.50 U	–	< 10 U	< 0.50 U	< 0.50 U	–	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	–
WR-MW-01B	05/29/03	1.6 J+	–	< 10 U	< 0.50 U	< 0.50 U	–	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	–
WR-MW-01B	08/06/03	< 0.50 U	< 1000 U	< 10 U	< 0.50 U	< 0.50 U	–	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	–
WR-MW-01B	11/10/03	< 0.50 U	< 1000 U	< 10 U	< 0.50 U	< 0.50 U	–	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	–
WR-MW-01B	02/10/04	< 0.50 U	< 1000 U	< 10 U	< 0.50 U	< 0.50 U	–	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	–
WR-MW-01B	05/24/04	< 0.50 U	–	< 10 U	< 0.50 U	< 0.50 U	–	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	–
WR-MW-01B	09/02/04	< 0.50 U	< 1000 U	< 10 U	< 0.50 U	< 0.50 U	–	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	–
WR-MW-01B	12/08/04	< 0.50 U	< 1000 U	< 10 U	< 0.50 U	< 0.50 U	–	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	–

Table B-1. Historical Groundwater Monitoring Results - Organics

Analyte		Dibromochloro-methane	Ethanol	MEK	MTBE	PCE	Phenol	TCE	Toluene	trans-1,2- DCE	Vinyl Chloride	Xylenes, Total
Units		µg/L	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	N/A	13	5	N/A	5	150	10	0.5	1750
Historical MCL Exceedances?		No	No	No	Yes	Yes	No	Yes	No	No	Yes	No
Well ID	**Sampled**											
WR-MW-01B	03/02/05	< 0.50 U	< 1000 U	< 10 U	1.5	< 0.50 U	–	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	–
WR-MW-01B	06/07/05	< 0.50 U	< 1000 U	< 10 U	< 0.50 U	< 0.50 U	–	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	–
WR-MW-01B	09/13/05	< 0.50 U	–	< 10 U	< 0.50 U	< 0.50 U	–	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	–
WR-MW-01B	12/06/05	< 0.50 U	–	< 10 U	< 0.50 U	< 0.50 U	–	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	–
WR-MW-01B	03/14/06	< 0.50 U	–	< 10 U	< 0.50 U	< 0.50 U	–	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	–
WR-MW-01B	06/26/06	< 0.50 U	< 1000 U	< 10 U	< 0.50 U	< 0.50 U	–	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	–
WR-MW-01B	09/26/06	< 0.50 U	< 1000 U	< 10 U	< 0.50 U	< 0.50 U	–	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	–
WR-MW-01B	12/13/06	< 0.50 U	< 1000 U	< 10 U	< 0.50 U	< 0.50 U	–	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	–
WR-MW-01B	03/26/07	< 0.50 U	< 1000 U	< 10 U	< 0.50 U	< 0.50 U	–	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	–
WR-MW-01B	06/12/07	< 0.50 U	< 1000 U	< 10 U	< 0.50 U	< 0.50 U	–	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	–
WR-MW-01B	09/25/07	< 0.50 U	< 1000 U	< 10 U	< 0.50 U	< 0.50 U	–	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	–
WR-MW-01B	12/13/07	< 0.50 U	< 1000 U	< 10 U	< 0.50 U	< 0.50 U	–	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U
WR-MW-01B	03/26/08	< 0.50 U	< 1000 U	< 10 U	< 0.50 U	< 0.50 U	–	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U
WR-MW-01B	10/07/08	< 0.50 U	< 1000 U	< 10 U	< 0.50 U	< 0.50 U	–	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U
WR-MW-01B	10/07/08	< 0.50 U	< 1000 U	< 10 U	< 0.50 U	< 0.50 U	–	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U
WR-MW-01B	04/09/09	< 0.50 U	< 1000 U	< 10 U	< 0.50 U	< 0.50 U	–	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U
WR-MW-01B	06/23/10	< 0.50 U	< 1000 U	< 10 U	< 0.50 U	< 0.50 U	–	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U
WR-MW-01B	02/14/11	< 0.50 U	< 1000 U	< 10 U	< 0.50 U	< 0.50 U	–	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 1 U
WR-MW-01B	01/10/12	< 0.50 U	< 1000 U	< 10 U	< 0.50 U	< 0.50 U	–	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 1 U
WR-MW-01B	01/03/13	< 0.50 U	< 1000 U	< 10 U	< 0.50 U	< 0.50 U	–	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 1 U
WR-MW-01B	12/03/13	< 0.50 U	< 1000 U	< 10 U	< 0.50 U	< 0.50 U	–	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 1 U
WR-MW-01B	11/04/14	< 0.50 U	< 1000 U	< 10 U	< 0.50 U	< 0.50 U	–	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 1 U
WR-MW-01B	06/28/17	< 0.40 U	< 40 U	1.4 J	0.20 J	0.10 J	–	< 0.20 U	< 0.20 U	< 0.40 U	< 0.20 U	< 0.40 U
WR-MW-01B	12/19/17	< 0.40 U	< 80 U	6.9 J	0.20 J	0.10 J	–	< 0.20 U	0.30 J	< 0.40 U	< 0.20 U	< 0.40 U
WR-MW-01B	12/14/18	< 0.50 U	–	< 5 UJ	< 0.50 U	< 0.50 U	–	< 0.50 U	0.21	< 0.50 U	< 0.50 U	< 0.50 U
WR-MW-01B	06/25/19	< 0.40 U	–	1.4	0.20	< 0.40 U	–	< 0.40 U	0.20	< 0.40 U	< 0.40 U	< 0.40 U
WR-MW-01B	06/25/19	< 0.40 U	–	1.3	0.10	< 0.40 U	–	< 0.40 U	0.70	< 0.40 U	< 0.40 U	1.6
WR-MW-01B	12/30/19	< 0.40 U	–	< 4 U	0.20	< 0.40 U	–	< 0.20 U	0.20	< 0.40 U	< 0.40 U	< 0.40 U
WR-MW-01B	11/18/20	< 0.20 U	–	10 J	< 0.30 U	< 0.30 U	–	< 0.20 U	0.11	< 0.20 U	< 0.30 U	< 0.50 U
WR-MW-01B	12/16/21	< 0.16 U	–	–	–	< 0.30 U	–	< 0.16 U	< 0.50 U	< 0.16 U	< 0.16 U	< 0.45 U
WR-MW-01B	12/16/21	< 0.16 U	–	–	–	< 0.30 U	–	< 0.16 U	< 0.16 U	< 0.16 U	< 0.16 U	< 0.45 U
WR-MW-01B	12/16/21	< 0.16 U	–	–	–	< 0.30 U	–	< 0.16 U	< 0.50 U	< 0.16 U	< 0.16 U	< 0.45 U
WR-MW-01B	11/29/22	< 0.16 U	–	< 3.0 U	< 0.16 U	< 0.30 U	–	< 0.16 U	0.10 J	< 0.16 U	< 0.16 U	< 0.46 U

Table B-1. Historical Groundwater Monitoring Results - Organics

Analyte		Dibromochloro-methane	Ethanol	MEK	MTBE	PCE	Phenol	TCE	Toluene	trans-1,2- DCE	Vinyl Chloride	Xylenes, Total
Units		µg/L	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	N/A	13	5	N/A	5	150	10	0.5	1750
Historical MCL Exceedances?		No	No	No	Yes	Yes	No	Yes	No	No	Yes	No
Well ID	**Sampled**											
WR-MW-02	07/27/01	< 0.50 U	–	< 20 U	< 10 U	**5.3**	–	< 2 U	< 5 U	–	< 10 U	< 5 U
WR-MW-02	01/03/02	< 0.50 U	–	–	< 0.50 U	**8.1**	< 10 U	0.40 J+	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U
WR-MW-02	04/18/02	< 0.50 U	–	< 5 U	–	**8.0**	< 10 U	0.42 J	< 0.50 UJ	< 0.50 U	< 0.50 U	–
WR-MW-02	04/18/02	< 0.50 U	–	< 5 U	–	**6.7**	< 10 U	0.36 J	< 0.50 UJ	< 0.50 U	< 0.50 U	–
WR-MW-02	08/13/02	< 0.50 U	–	< 5 U	< 0.50 U	**6.4**	< 10 U	0.28 J	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U
WR-MW-02	11/14/02	< 0.50 U	–	< 5 UJ	< 0.50 UJ	**11 J+**	–	0.53	0.18 J	< 0.50 UJ	**0.50 J**	< 0.50 U
WR-MW-02	02/08/03	< 0.50 U	–	< 10 U	< 0.50 U	**7.3**	–	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	–
WR-MW-02	05/27/03	< 0.50 U	–	< 10 U	< 0.50 U	**7.2**	–	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	–
WR-MW-02	08/05/03	< 0.50 U	< 1000 U	< 10 U	< 0.50 U	**7.9**	< 9.7 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	–
WR-MW-02	11/10/03	< 0.50 U	< 1000 U	< 10 U	< 0.50 U	**8.1**	< 9.5 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	–
WR-MW-02	02/10/04	< 0.50 U	< 1000 U	< 10 U	< 0.50 U	**7.3**	< 9.4 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	–
WR-MW-02	05/25/04	< 0.50 U	–	< 10 U	< 0.50 U	**8.0**	< 9.4 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	–
WR-MW-02	09/03/04	< 0.50 U	< 1000 U	< 10 U	< 0.50 U	**6.7 J+**	< 10 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	–
WR-MW-02	12/07/04	< 0.50 U	< 1000 U	< 10 U	< 0.50 U	**7.4**	< 9.5 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	–
WR-MW-02	03/02/05	< 0.50 U	< 1000 U	< 10 U	< 0.50 U	**9.8**	< 9.5 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	–
WR-MW-02	06/07/05	< 0.50 U	< 1000 U	< 10 U	< 0.50 U	**15**	< 9.5 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	–
WR-MW-02	09/14/05	< 0.50 U	< 1000 U	< 10 U	< 0.50 U	**16**	< 10 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	–
WR-MW-02	12/06/05	< 0.50 U	< 1000 U	< 10 U	< 0.50 U	**15**	< 9.4 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	–
WR-MW-02	03/14/06	< 0.50 U	< 1000 U	< 10 U	< 0.50 U	**18**	< 9.4 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	–
WR-MW-02	06/27/06	< 0.50 U	< 1000 U	< 10 U	< 0.50 U	**16**	–	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	–
WR-MW-02	09/25/06	< 0.50 U	< 1000 U	< 10 U	< 0.50 U	**19**	–	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	–
WR-MW-02	12/13/06	< 0.50 U	< 1000 U	< 10 U	< 0.50 U	**17**	–	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	–
WR-MW-02	03/26/07	< 0.50 U	< 1000 U	< 10 U	< 0.50 U	**16**	–	< 0.50 U	< 0.50 U	< 0.50 U	**0.8**	–
WR-MW-02	06/12/07	< 0.50 U	< 1000 U	< 10 U	< 0.50 U	**15**	–	< 0.50 U	< 0.50 U	< 0.50 U	**1.3**	–
WR-MW-02	09/25/07	< 0.50 U	< 1000 U	< 10 U	< 0.50 U	4.4	–	< 0.50 U	< 0.50 U	< 0.50 U	**1.2**	–
WR-MW-02	12/13/07	< 0.50 U	< 1000 U	< 10 U	< 0.50 U	**6.3**	–	< 0.50 U	< 0.50 U	< 0.50 U	**1.2**	< 0.50 U
WR-MW-02	03/26/08	< 0.50 U	< 1000 U	< 10 U	< 0.50 U	**7.5**	–	< 0.50 U	< 0.50 U	< 0.50 U	**1.5**	< 0.50 U
WR-MW-02	10/07/08	< 0.50 U	< 1000 U	< 10 U	< 0.50 U	**18**	–	1.1	< 0.50 U	< 0.50 U	**0.7**	< 0.50 U
WR-MW-02	04/09/09	< 0.50 U	< 1000 U	< 10 U	< 0.50 U	**15**	–	1.1	< 0.50 U	< 0.50 U	**0.6**	< 0.50 U
WR-MW-02	09/28/09	< 0.50 U	< 1000 U	< 10 U	< 0.50 U	**16**	–	2.3	1.6	< 0.50 U	**0.7**	< 0.50 U
WR-MW-02	07/01/10	< 0.50 U	< 1000 U	< 10 U	< 0.50 U	**17**	–	1.5	< 0.50 U	< 0.50 U	< 0.50 U	< 1 U
WR-MW-02	01/27/11	< 0.50 U	< 1000 U	< 10 U	< 0.50 U	**13**	–	1.1	< 0.50 U	< 0.50 U	< 0.50 U	< 1 U
WR-MW-02	06/20/11	< 0.50 U	< 1000 U	< 10 U	< 0.50 U	**15**	–	1.1	< 0.50 U	< 0.50 U	< 0.50 U	< 1 U

Table B-1. Historical Groundwater Monitoring Results - Organics

Analyte		Dibromochloro-methane	Ethanol	MEK	MTBE	PCE	Phenol	TCE	Toluene	trans-1,2- DCE	Vinyl Chloride	Xylenes, Total
Units		µg/L	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	N/A	13	5	N/A	5	150	10	0.5	1750
Historical MCL Exceedances?		No	No	No	Yes	Yes	No	Yes	No	No	Yes	No
Well ID	**Sampled**											
WR-MW-02	01/11/12	< 0.50 U	< 1000 U	< 10 U	< 0.50 U	**18**	–	1.4	< 0.50 U	< 0.50 U	< 0.50 U	< 1 U
WR-MW-02	06/27/12	< 0.50 U	< 1000 U	< 10 U	< 0.50 U	**19**	–	1.1	< 0.50 U	< 0.50 U	< 0.50 U	< 1 U
WR-MW-02	01/04/13	< 0.50 U	< 1000 U	< 10 U	< 0.50 U	**15**	–	1.0	< 0.50 U	< 0.50 U	< 0.50 U	< 1 U
WR-MW-02	06/26/13	< 0.50 U	< 1000 U	< 10 U	< 0.50 U	**14**	–	1.2	< 0.50 U	< 0.50 U	< 0.50 U	< 1 U
WR-MW-02	12/04/13	< 0.50 U	< 1000 U	< 10 U	< 0.50 U	**11**	–	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 1 U
WR-MW-02	07/01/14	< 0.50 U	< 1000 U	< 10 U	< 0.50 U	**5.6**	–	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 1 U
WR-MW-02	11/04/14	< 0.50 U	< 1000 U	< 10 U	< 0.50 U	4.8	–	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 1 U
WR-MW-02	09/28/16	< 0.20 U	–	45	< 0.20 U	**9.4**	–	0.30 J	< 0.20 U	< 0.20 U	< 0.20 U	< 0.40 U
WR-MW-02	12/21/16	0.20 J	–	43 J	0.20 J	**22 J**	–	0.40 J	0.20 J	0.20 J	0.20 J	0.40 J
WR-MW-02	06/28/17	< 0.40 U	< 40 U	1.3 J	< 0.40 U	**21**	–	0.10 J	< 0.20 U	< 0.40 U	< 0.20 U	< 0.40 U
WR-MW-02	12/19/17	< 0.40 U	< 80 U	5.5 J	< 0.40 U	**21**	–	0.10 J	< 0.20 U	< 0.40 U	< 0.20 U	< 0.40 U
WR-MW-02	12/14/18	< 0.50 U	–	< 5 UJ	< 0.50 U	**8.8**	–	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U
WR-MW-02	12/14/18	< 0.20 U	–	< 4 U	< 0.20 U	**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	–	1.0	< 0.40 U	**7.6**	–	< 0.40 U	0.30	< 0.40 U	< 0.40 U	0.40
WR-MW-02	12/30/19	< 0.40 U	–	< 4 U	< 0.40 U	**17**	–	< 0.20 U	< 0.20 U	< 0.40 U	< 0.40 U	< 0.40 U
WR-MW-02	05/07/20	< 0.40 U	–	< 4 UJ	< 0.40 U	**12**	–	< 0.20 U	< 0.20 U	< 0.40 U	< 0.40 U	< 0.40 U
WR-MW-02	11/18/20	< 0.20 U	–	10 J	< 0.30 U	**6.9**	–	< 0.20 U	< 0.30 U	< 0.20 U	< 0.20 U	< 0.30 U
WR-MW-02	11/29/22	< 0.16 U	–	< 3.0 U	< 0.16 U	0.82	–	0.29 J	< 0.16 U	< 0.16 U	< 0.16 U	< 0.46 U
WR-MW-02	06/15/23	< 0.16 U	–	< 3.0 U	< 0.16 U	**10**	–	< 0.16 U	< 0.16 U	< 0.16 U	< 0.16 U	< 0.46 U
WR-MW-03	07/27/01	< 0.50 U	–	< 20 U	< 10 U	< 2 U	–	< 2 U	< 5 U	–	< 10 U	< 5 U
WR-MW-03	01/03/02	< 0.50 U	–	–	< 0.50 U	< 0.50 U	< 10 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U
WR-MW-03	04/18/02	< 0.50 U	–	< 5 U	–	< 0.50 U	10 R	< 0.50 U	< 0.50 UJ	< 0.50 U	< 0.50 U	–
WR-MW-03	08/13/02	< 0.50 U	–	< 5 U	< 0.50 U	< 0.50 U	< 10 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U
WR-MW-03	11/13/02	< 0.50 U	–	< 5 U	< 0.50 U	< 0.50 U	–	< 0.50 U	0.24 J	< 0.50 U	< 0.50 U	< 0.50 U
WR-MW-03	02/08/03	< 0.50 U	–	< 10 U	< 0.50 U	< 0.50 U	–	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	–
WR-MW-03	05/27/03	< 0.50 U	–	< 10 U	< 0.50 U	< 0.50 U	–	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	–
WR-MW-03	08/05/03	< 0.50 U	< 1000 U	< 10 U	< 0.50 U	< 0.50 U	< 9.9 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	–
WR-MW-03	11/10/03	< 0.50 U	< 1000 U	< 10 U	< 0.50 U	< 0.50 U	< 9.8 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	–
WR-MW-03	12/07/04	< 0.50 U	< 1000 U	< 10 U	< 0.50 U	< 0.50 U	< 9.5 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	–
WR-MW-03	12/08/05	< 0.50 U	< 1000 U	< 10 U	< 0.50 U	< 0.50 U	< 9.5 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	–
WR-MW-03	12/14/06	< 0.50 U	< 1000 U	< 10 U	< 0.50 U	< 0.50 U	–	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	–
WR-MW-03	12/13/07	< 0.50 U	< 1000 U	< 10 U	< 0.50 U	< 0.50 U	–	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U
WR-MW-03	10/07/08	< 0.50 U	< 1000 U	< 10 U	< 0.50 U	< 0.50 U	–	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U

Table B-1. Historical Groundwater Monitoring Results - Organics

Analyte		Dibromochloro-methane	Ethanol	MEK	MTBE	PCE	Phenol	TCE	Toluene	trans-1,2- DCE	Vinyl Chloride	Xylenes, Total
Units		µg/L	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	N/A	13	5	N/A	5	150	10	0.5	1750
Historical MCL Exceedances?		No	No	No	Yes	Yes	No	Yes	No	No	Yes	No
Well ID	**Sampled**											
WR-MW-04A	10/03/02	0.47 J	–	< 5 U	< 0.50 U	< 0.50 U	< 10 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U
WR-MW-04A	02/08/03	< 0.50 U	–	< 10 U	< 0.50 U	< 0.50 U	–	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	–
WR-MW-04A	05/22/03	< 0.50 U	–	< 10 U	< 0.50 U	< 0.50 U	–	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	–
WR-MW-04A	08/05/03	< 0.50 U	< 1000 U	< 10 U	< 0.50 U	< 0.50 U	–	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	–
WR-MW-04A	11/10/03	< 0.50 U	< 1000 U	< 10 U	< 0.50 U	< 0.50 U	–	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	–
WR-MW-04A	12/08/04	< 0.50 U	< 1000 U	< 10 U	< 0.50 U	< 0.50 U	–	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	–
WR-MW-04A	12/08/04	< 0.50 U	< 1000 U	< 10 U	< 0.50 U	< 0.50 U	–	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	–
WR-MW-04A	12/07/05	< 0.50 U	< 1000 U	< 10 U	2.7	< 0.50 U	–	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	–
WR-MW-04A	03/14/06	< 0.50 U	< 1000 U	< 10 U	2.5	0.60	–	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	–
WR-MW-04A	06/27/06	< 0.50 U	< 1000 U	< 10 U	2.9	1.0	–	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	–
WR-MW-04A	09/26/06	< 0.50 U	< 1000 U	< 10 U	1.2	0.80	–	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	–
WR-MW-04A	12/13/06	< 0.50 U	< 1000 U	< 10 U	< 0.50 U	0.60	–	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	–
WR-MW-04A	03/26/07	< 0.50 U	< 1000 U	< 10 U	< 0.50 U	< 0.50 U	–	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	–
WR-MW-04A	06/11/07	< 0.50 U	< 1000 U	< 10 U	< 0.50 U	< 0.50 U	–	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	–
WR-MW-04A	09/25/07	< 0.50 U	< 1000 U	< 10 U	< 0.50 U	< 0.50 U	–	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U
WR-MW-04A	12/13/07	< 0.50 U	< 1000 U	< 10 U	< 0.50 U	< 0.50 U	–	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	–
WR-MW-04A	03/26/08	< 0.50 U	< 1000 U	< 10 U	< 0.50 U	< 0.50 U	–	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U
WR-MW-04A	10/07/08	< 0.50 U	< 1000 U	< 10 U	< 0.50 U	< 0.50 U	–	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U
WR-MW-04A	04/08/09	< 0.50 U	< 1000 U	< 10 U	< 0.50 U	< 0.50 U	–	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U
WR-MW-04A	06/23/10	< 0.50 U	< 1000 U	< 10 U	< 0.50 U	< 0.50 U	–	< 0.50 U	0.60	< 0.50 U	< 0.50 U	< 0.50 U
WR-MW-04A	02/14/11	< 0.50 U	< 1000 U	< 10 U	< 0.50 U	< 0.50 U	–	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 1 U
WR-MW-04A	06/20/11	< 0.50 U	< 1000 U	< 10 U	< 0.50 U	1.9	–	0.70	< 0.50 U	< 0.50 U	< 0.50 U	< 1 U
WR-MW-04A	01/10/12	< 0.50 U	< 1000 U	< 10 U	< 0.50 U	2.6	–	0.80	< 0.50 U	< 0.50 U	< 0.50 U	< 1 U
WR-MW-04A	06/26/12	< 0.50 U	< 1000 U	< 10 U	< 0.50 U	2.1	–	0.50	< 0.50 U	< 0.50 U	< 0.50 U	< 1 U
WR-MW-04A	01/03/13	< 0.50 U	< 1000 U	< 10 U	< 0.50 U	1.4	–	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 1 U
WR-MW-04A	06/25/13	< 0.50 U	< 1000 U	< 10 U	< 0.50 U	0.80	–	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 1 U
WR-MW-04A	12/03/13	< 0.50 U	< 1000 U	< 10 U	< 0.50 U	1.9	–	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 1 U
WR-MW-04A	06/30/14	< 0.50 U	< 1000 U	< 10 U	< 0.50 U	**5.0**	–	1.0	< 0.50 U	< 0.50 U	< 0.50 U	< 1 U
WR-MW-04A	11/04/14	< 0.50 U	< 1000 U	< 10 U	< 0.50 U	**6.5**	–	1.1	< 0.50 U	< 0.50 U	< 0.50 U	< 1 U
WR-MW-04A	09/28/16	< 0.20 U	–	38	< 0.20 U	0.90	–	0.50	0.80	< 0.20 U	< 0.20 U	< 0.30 U
WR-MW-04A	12/21/16	< 0.20 U	–	20	< 0.20 U	1.2	–	0.40 J	< 0.20 U	< 0.20 U	< 0.20 U	< 0.40 U
WR-MW-04A	06/28/17	< 0.40 U	< 40 U	3.4 J	< 0.40 U	**6.6**	–	1.1	< 0.20 U	< 0.40 U	< 0.20 U	< 0.40 U
WR-MW-04A	12/19/17	< 0.40 U	22 J	3.6 J	< 0.40 U	**6.2**	–	1.4 J	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U

Table B-1. Historical Groundwater Monitoring Results - Organics

Analyte		Dibromochloro-methane	Ethanol	MEK	MTBE	PCE	Phenol	TCE	Toluene	trans-1,2- DCE	Vinyl Chloride	Xylenes, Total
Units		µg/L	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	N/A	13	5	N/A	5	150	10	0.5	1750
Historical MCL Exceedances?		No	No	No	Yes	Yes	No	Yes	No	No	Yes	No
Well ID	**Sampled**											
WR-MW-04A	12/19/17	< 0.40 U	< 80 U	3.8 J	< 0.40 U	**6.6**	–	1.5	< 0.20 U	< 0.40 U	< 0.20 U	< 0.40 U
WR-MW-04A	06/14/18	< 0.20 U	–	1 J	< 0.20 U	**5.7**	–	1.0	< 0.20 U	< 0.20 U	< 0.20 U	< 0.40 U
WR-MW-04A	12/14/18	< 0.50 U	–	< 5 UJ	< 0.50 U	4.3	–	0.91	0.11	< 0.50 U	< 0.50 U	< 0.50 U
WR-MW-04A	06/25/19	< 0.40 U	–	< 1 U	< 0.40 U	**7.4**	–	1.1	< 0.20 U	< 0.40 U	< 0.40 U	< 0.40 U
WR-MW-04A	12/30/19	< 0.40 U	–	< 4 U	< 0.40 U	**5.4 J**	–	0.40	< 0.20 U	< 0.40 U	< 0.40 U	< 0.40 U
WR-MW-04A	05/07/20	< 0.40 U	–	< 4 UJ	< 0.40 U	**5.5**	–	0.90	< 0.20 U	< 0.40 U	< 0.40 U	< 0.40 U
WR-MW-04A	11/18/20	< 0.20 U	–	10 J	< 0.30 U	**5.7**	–	1.1	< 0.20 U	< 0.20 U	< 0.30 U	< 0.50 U
WR-MW-04A	12/16/21	< 0.16 U	–	–	–	2.1	–	0.98	< 0.16 U	< 0.16 U	< 0.16 U	< 0.45 U
WR-MW-04A	06/08/22	< 0.16 U	–	–	–	**5.8**	–	1.2	< 0.16 U	< 0.16 U	< 0.16 U	< 0.45 U
WR-MW-04A	11/29/22	< 0.16 U	–	< 3.0 U	< 0.16 U	**5.3**	–	1.2	< 0.16 U	< 0.16 U	< 0.16 U	< 0.46 U
WR-MW-04A	06/15/23	< 0.16 U	–	< 3.0 U	< 0.16 U	**11**	–	1.8	< 0.16 U	< 0.16 U	< 0.16 U	< 0.46 U
WR-MW-04B	10/03/02	< 0.50 U	–	< 5 U	< 0.50 U	< 0.50 U	< 10 U	< 0.50 U	0.090 J	< 0.50 U	< 0.50 U	< 0.50 U
WR-MW-04B	02/09/03	< 0.50 U	–	< 10 U	< 0.50 U	< 0.50 U	–	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	–
WR-MW-04B	05/22/03	< 0.50 U	–	< 10 U	< 0.50 U	< 0.50 U	–	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	–
WR-MW-04B	08/05/03	< 0.50 U	< 1000 U	< 10 U	< 0.50 U	< 0.50 U	–	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	–
WR-MW-04B	11/10/03	< 0.50 U	< 1000 U	< 10 U	< 0.50 U	< 0.50 U	–	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	–
WR-MW-04B	12/08/04	< 0.50 U	< 1000 U	< 10 U	< 0.50 U	< 0.50 U	–	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	–
WR-MW-05A	10/02/02	< 2.5 U	–	< 25 U	< 2.5 U	**34 J+**	< 10 U	**8.3**	< 2.5 U	< 2.5 U	< 2.5 U	< 2.5 U
WR-MW-05A	02/12/03	< 0.50 U	–	< 10 U	< 0.50 U	**150**	–	**10**	< 0.50 U	< 0.50 U	< 0.50 U	–
WR-MW-05A	06/26/03	< 0.50 U	–	< 10 U	< 0.50 U	**120**	–	**6.5**	< 0.50 U	< 0.50 U	< 0.50 U	–
WR-MW-05A	08/06/03	< 0.50 U	< 1000 U	< 10 U	< 0.50 U	**89**	< 9.5 U	**5.7**	< 0.50 U	< 0.50 U	< 0.50 U	–
WR-MW-05A	08/06/03	< 0.50 U	< 1000 U	< 10 U	< 0.50 U	**86**	< 9.4 U	**5.6**	< 0.50 U	< 0.50 U	< 0.50 U	–
WR-MW-05A	11/11/03	< 0.50 U	< 1000 U	< 10 U	< 0.50 U	**45**	< 9.4 U	**5.8**	< 0.50 U	< 0.50 U	< 0.50 U	–
WR-MW-05A	02/10/04	< 0.50 U	< 1000 U	< 10 U	0.80	**120**	< 9.4 U	**5.9**	< 0.50 U	< 0.50 U	< 0.50 U	–
WR-MW-05A	02/10/04	< 0.50 U	< 1000 U	< 10 U	0.70	**39**	< 9.4 U	**5.9**	< 0.50 U	< 0.50 U	< 0.50 U	–
WR-MW-05A	05/25/04	< 0.50 U	–	< 10 U	< 0.50 U	**130**	< 9.4 U	**7.6**	< 0.50 U	< 0.50 U	< 0.50 U	–
WR-MW-05A	05/25/04	< 0.50 U	–	< 10 U	< 0.50 U	**110**	< 9.4 U	**7.2**	< 0.50 U	< 0.50 U	< 0.50 U	–
WR-MW-05A	09/02/04	< 0.50 U	< 1000 U	< 10 U	5.1 J+	**140 J+**	22	**6.9 J+**	< 0.50 U	< 0.50 U	< 0.50 U	–
WR-MW-05A	12/08/04	< 0.50 U	< 1000 U	< 10 U	10	**100**	< 9.5 U	**5.5**	< 0.50 U	< 0.50 U	< 0.50 U	–
WR-MW-05A	03/01/05	< 0.50 U	< 1000 U	< 10 U	11	**100**	< 9.5 U	3.8	< 0.50 U	< 0.50 U	< 0.50 U	–
WR-MW-05A	06/07/05	< 0.50 U	< 1000 U	< 10 U	6.4	**75**	< 9.5 U	2.2	< 0.50 U	< 0.50 U	< 0.50 U	–
WR-MW-05A	09/14/05	< 0.50 U	–	< 10 U	3.2	**23**	< 9.5 U	4.2	< 0.50 U	< 0.50 U	< 0.50 U	–
WR-MW-05A	09/14/05	< 0.50 U	–	< 10 U	3.3	**25**	< 9.8 U	4.1	< 0.50 U	< 0.50 U	< 0.50 U	–

Table B-1. Historical Groundwater Monitoring Results - Organics

Analyte		Dibromochloro-methane	Ethanol	MEK	MTBE	PCE	Phenol	TCE	Toluene	trans-1,2- DCE	Vinyl Chloride	Xylenes, Total
Units		µg/L	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	N/A	13	5	N/A	5	150	10	0.5	1750
Historical MCL Exceedances?		No	No	No	Yes	Yes	No	Yes	No	No	Yes	No
Well ID	**Sampled**											
WR-MW-05A	12/06/05	< 0.50 U	–	< 10 U	2.7	**18**	< 9.4 U	3.5	< 0.50 U	< 0.50 U	< 0.50 U	–
WR-MW-05A	03/14/06	< 0.50 U	–	180	2.8	**11**	< 940 U	2.3	< 0.50 U	< 0.50 U	< 0.50 U	–
WR-MW-05A	03/14/06	< 0.50 U	–	170	2.7	**11**	< 9940 U	2.1	< 0.50 U	< 0.50 U	< 0.50 U	–
WR-MW-05A	03/27/06	< 2.5 U	< 5000 U	< 50 U	< 2.5 U	< 2.5 U	–	< 2.5 U	8.0	< 2.5 U	< 2.5 U	–
WR-MW-05A	03/27/06	< 2.5 U	< 5000 U	< 50 U	< 0.50 U	< 2.5 U	–	< 2.5 U	5.7	< 2.5 U	< 2.5 U	–
WR-MW-05A	06/26/06	< 0.50 U	< 1000 U	130	1.9	< 0.50 U	–	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	–
WR-MW-05A	09/26/06	< 1 U	< 2000 U	320	< 1 U	< 1 U	–	< 1 U	1.0	< 1 U	< 1 U	–
WR-MW-05A	12/13/06	< 0.50 U	< 1000 U	18	< 0.50 U	0.60	–	< 0.50 U	4.2	< 0.50 U	< 0.50 U	–
WR-MW-05A	06/12/07	< 0.50 U	< 1000 U	< 10 U	< 0.50 U	0.80	–	< 0.50 U	8.2	< 0.50 U	< 0.50 U	–
WR-MW-05A	09/25/07	< 0.50 U	< 1000 U	< 10 U	< 0.50 U	0.70	–	< 0.50 U	4.5	< 0.50 U	< 0.50 U	–
WR-MW-05A	12/13/07	< 2 U	< 4000 U	< 40 U	< 2 U	< 2 U	–	2.5	8.9	< 2 U	< 2 U	< 2 U
WR-MW-05A	03/27/08	< 2 U	< 4000 U	< 40 U	< 2 U	1.1	–	1.5	4.9	< 2 U	< 2 U	< 2 U
WR-MW-05A	10/08/08	< 0.50 U	< 1000 U	< 10 U	< 0.50 U	0.60	–	1.0	0.90	< 0.50 U	< 0.50 U	< 0.50 U
WR-MW-05A	04/09/09	< 0.50 U	< 1000 U	< 10 U	< 0.50 U	< 0.50 U	–	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U
WR-MW-05A	06/23/10	< 0.50 U	< 1000 U	< 10 U	< 0.50 U	< 0.50 U	–	< 0.50 U	0.50	< 0.50 U	**3.0**	< 1 U
WR-MW-05A	01/26/11	< 0.50 U	< 1000 U	< 10 U	< 0.50 U	< 0.50 U	–	< 0.50 U	0.80	< 0.50 U	**2.4**	< 1 U
WR-MW-05A	06/20/11	< 0.50 U	< 1000 U	< 10 U	< 0.50 U	< 0.50 U	–	< 0.50 U	0.80	0.70	**2.7**	< 1 U
WR-MW-05A	01/10/12	< 0.50 U	< 1000 U	< 10 U	< 0.50 U	< 0.50 U	–	< 0.50 U	< 0.50 U	< 0.50 U	**1.8**	< 1 U
WR-MW-05A	06/26/12	< 0.50 U	< 1000 U	< 10 U	< 0.50 U	< 0.50 U	–	< 0.50 U	< 0.50 U	< 0.50 U	**1.3**	< 1 U
WR-MW-05A	01/03/13	< 0.50 U	< 1000 U	< 10 U	< 0.50 U	< 0.50 U	–	< 0.50 U	< 0.50 U	< 0.50 U	**0.9**	< 1 U
WR-MW-05A	06/25/13	< 0.50 U	< 1000 U	< 10 U	< 0.50 U	< 0.50 U	–	< 0.50 U	< 0.50 U	< 0.50 U	**0.7**	< 1 U
WR-MW-05A	12/03/13	< 0.50 U	< 1000 U	< 10 U	< 0.50 U	< 0.50 U	–	< 0.50 U	< 0.50 U	< 0.50 U	**0.9**	< 1 U
WR-MW-05A	06/30/14	< 0.50 U	< 1000 U	< 10 U	< 0.50 U	< 0.50 U	–	< 0.50 U	< 0.50 U	< 0.50 U	**1.2**	< 1 U
WR-MW-05A	11/04/14	< 0.50 U	< 1000 U	< 10 U	< 0.50 U	< 0.50 U	–	0.70	< 0.50 U	< 0.50 U	**2.9**	< 1 U
WR-MW-05A	09/28/16	< 0.20 U	–	41	< 0.20 U	< 0.20 U	–	< 0.20 U	0.80	< 0.20 U	**0.5**	< 0.40 U
WR-MW-05A	12/21/16	< 0.20 U	–	23	< 0.20 U	0.80	–	0.30 J	< 0.20 U	0.20 J	**0.6**	< 0.40 U
WR-MW-05A	06/28/17	< 0.40 U	< 40 U	0.80 J	< 0.40 U	0.40 J	–	0.30 J	< 0.20 U	0.20 J	**0.5**	< 0.40 U
WR-MW-05A	12/19/17	< 0.40 U	< 80 U	4.2 J	< 0.40 U	0.40 J	–	0.20 J	< 0.20 U	0.30 J	**0.7**	< 0.40 U
WR-MW-05A	06/14/18	< 0.20 U	–	0.80 J	< 0.20 U	0.30 J	–	0.10 J	< 0.20 U	0.30 J	**1.1**	< 0.40 U
WR-MW-05A	12/14/18	< 0.50 U	–	< 5 UJ	< 0.50 U	0.23	–	< 0.50 U	< 0.50 U	0.37	< 0.50 U	< 0.50 U
WR-MW-05A	06/25/19	< 0.40 U	–	12	< 0.40 U	< 0.40 U	–	< 0.40 U	0.20	< 0.40 U	< 0.40 U	< 0.40 U
WR-MW-05A	12/30/19	< 0.40 U	–	< 4 U	< 0.40 U	0.30 J	–	< 0.20 U	< 0.20 U	0.40 J	**0.70 J**	< 0.40 U
WR-MW-05A	05/07/20	< 0.40 U	–	< 4 UJ	< 0.40 U	0.20	–	< 0.20 U	< 0.20 U	< 0.50 U	**1.0**	< 0.40 U

Table B-1. Historical Groundwater Monitoring Results - Organics

Analyte		Dibromochloro-methane	Ethanol	MEK	MTBE	PCE	Phenol	TCE	Toluene	trans-1,2- DCE	Vinyl Chloride	Xylenes, Total
Units		µg/L	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	N/A	13	5	N/A	5	150	10	0.5	1750
Historical MCL Exceedances?		No	No	No	Yes	Yes	No	Yes	No	No	Yes	No
Well ID	**Sampled**											
WR-MW-05A	11/18/20	< 0.20 U	–	10 J	< 0.30 U	0.19	–	< 0.20 U	< 0.20 U	0.27	**0.9**	< 0.50 U
WR-MW-05A	12/16/21	< 0.16 U	–	–	–	< 0.30 U	–	< 0.16 U	< 0.16 U	0.11 J	**0.58**	< 0.45 U
WR-MW-05A	06/08/22	< 0.16 U	–	–	–	0.13 J	–	< 0.16 U	< 0.16 U	0.20 J	0.49 J	< 0.45 U
WR-MW-05A	11/29/22	< 0.16 U	–	< 3.0 U	< 0.16 U	0.13 J	–	< 0.16 U	< 0.16 U	0.20 J	0.36 J	< 0.46 U
WR-MW-05A	06/15/23	< 0.16 U	–	< 3.0 U	< 0.16 U	0.16 J	–	< 0.16 U	< 0.16 U	0.16 J	**0.52 J**	< 0.46 U
WR-MW-05B	09/30/02	< 0.50 U	–	< 5 U	< 0.50 U	0.32 J	< 10 U	< 0.50 U	0.14 J	< 0.50 U	< 0.50 U	< 0.50 U
WR-MW-05B	02/09/03	< 0.50 U	–	< 10 U	< 0.50 U	< 0.50 U	–	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	–
WR-MW-05B	05/29/03	< 0.50 U	–	< 10 U	< 0.50 U	< 0.50 U	–	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	–
WR-MW-05B	08/06/03	< 0.50 U	< 1000 U	< 10 U	< 0.50 U	< 0.50 U	–	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	–
WR-MW-05B	11/10/03	< 0.50 U	< 1000 U	< 10 U	< 0.50 U	< 0.50 U	–	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	–
WR-MW-05B	12/08/04	< 0.50 U	< 1000 U	< 10 U	< 0.50 U	< 0.50 U	–	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	–
WR-MW-05B	12/07/05	< 0.50 U	< 1000 U	< 10 U	< 0.50 U	< 0.50 U	–	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	–
WR-MW-05B	12/13/06	< 0.50 U	< 1000 U	< 10 U	< 0.50 U	0.90	–	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	–
WR-MW-06A	10/03/02	< 0.50 U	–	< 5 U	< 0.50 U	< 0.50 U	< 10 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U
WR-MW-06A	02/08/03	< 0.50 U	–	< 10 U	< 0.50 U	< 0.50 U	–	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	–
WR-MW-06A	05/22/03	< 0.50 U	–	< 10 U	< 0.50 U	< 0.50 U	–	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	–
WR-MW-06A	08/06/03	< 0.50 U	< 1000 U	< 10 U	< 0.50 U	< 0.50 U	–	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	–
WR-MW-06A	11/11/03	< 0.50 U	< 1000 U	< 10 U	< 0.50 U	< 0.50 U	–	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	–
WR-MW-06A	12/09/04	< 0.50 U	< 1000 U	< 10 U	< 0.50 U	< 0.50 U	–	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	–
WR-MW-06A	12/07/05	< 0.50 U	< 1000 U	< 10 U	< 0.50 U	< 0.50 U	–	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	–
WR-MW-06A	12/13/06	< 0.50 U	< 1000 U	< 10 U	< 0.50 U	< 0.50 U	–	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	–
WR-MW-06A	12/13/07	< 0.50 U	< 1000 U	< 10 U	< 0.50 U	< 0.50 U	–	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U
WR-MW-06A	10/07/08	< 0.50 U	< 1000 U	< 10 U	< 0.50 U	< 0.50 U	–	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U
WR-MW-06B	09/30/02	< 0.50 U	–	< 5 U	< 0.50 U	< 0.50 U	< 10 U	< 0.50 U	0.12 J	< 0.50 U	< 0.50 U	< 0.50 U
WR-MW-06B	02/09/03	< 0.50 U	–	< 10 U	< 0.50 U	< 0.50 U	–	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	–
WR-MW-06B	05/22/03	< 0.50 U	–	< 10 U	< 0.50 U	< 0.50 U	–	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	–
WR-MW-06B	08/06/03	< 0.50 U	< 1000 U	< 10 U	< 0.50 U	< 0.50 U	–	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	–
WR-MW-06B	11/11/03	< 0.50 U	< 1000 U	< 10 U	< 0.50 U	< 0.50 U	–	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	–
WR-MW-06B	12/09/04	< 0.50 U	< 1000 U	< 10 U	< 0.50 U	< 0.50 U	–	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	–
WR-MW-06B	12/07/05	< 0.50 U	< 1000 U	< 10 U	< 0.50 U	< 0.50 U	–	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	–
WR-MW-06B	12/13/06	< 0.50 U	< 1000 U	< 10 U	< 0.50 U	< 0.50 U	–	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	–
WR-MW-06B	12/13/07	< 0.50 U	< 1000 U	< 10 U	< 0.50 U	< 0.50 U	–	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U
WR-MW-07A	10/03/02	< 0.50 U	–	< 5 U	< 0.50 U	1.5	< 10 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U

Table B-1. Historical Groundwater Monitoring Results - Organics

Analyte		Dibromochloro-methane	Ethanol	MEK	MTBE	PCE	Phenol	TCE	Toluene	trans-1,2- DCE	Vinyl Chloride	Xylenes, Total
Units		µg/L	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	N/A	13	5	N/A	5	150	10	0.5	1750
Historical MCL Exceedances?		No	No	No	Yes	Yes	No	Yes	No	No	Yes	No
Well ID	**Sampled**											
WR-MW-07A	02/12/03	< 0.50 U	–	< 10 U	< 0.50 U	1.4	–	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	–
WR-MW-07A	05/28/03	< 0.50 U	–	< 10 U	< 0.50 U	1.3	–	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	–
WR-MW-07A	08/06/03	< 0.50 U	< 1000 U	< 10 U	< 0.50 U	1.2	–	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	–
WR-MW-07A	11/11/03	< 0.50 U	< 1000 U	< 10 U	< 0.50 U	1.6	–	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	–
WR-MW-07A	02/10/04	< 0.50 U	< 1000 U	< 10 U	< 0.50 U	1.7	–	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	–
WR-MW-07A	05/24/04	< 0.50 U	–	< 10 U	< 0.50 U	2.2	–	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	–
WR-MW-07A	09/03/04	< 0.50 U	< 1000 U	< 10 U	< 0.50 U	2.6 J+	–	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	–
WR-MW-07A	12/07/04	< 0.50 U	< 1000 U	< 10 U	< 0.50 U	1.7	–	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	–
WR-MW-07A	03/02/05	< 0.50 U	< 1000 U	< 10 U	< 0.50 U	1.7	–	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	–
WR-MW-07A	06/07/05	< 0.50 U	< 1000 U	< 10 U	< 0.50 U	2.8	–	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	–
WR-MW-07A	09/14/05	< 0.50 U	< 1000 U	< 10 U	< 0.50 U	2.5	–	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	–
WR-MW-07A	12/08/05	< 0.50 U	< 1000 U	< 10 U	0.70	2.5	–	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	–
WR-MW-07A	03/14/06	< 0.50 U	< 1000 U	< 10 U	2.6	2.9	–	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	–
WR-MW-07A	06/27/06	< 0.50 U	< 1000 U	< 10 U	2.6	3.0	–	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	–
WR-MW-07A	09/25/06	< 0.50 U	< 1000 U	< 10 U	< 0.50 U	3.2	–	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	–
WR-MW-07A	12/13/06	< 0.50 U	< 1000 U	< 10 U	< 0.50 U	3.0	–	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	–
WR-MW-07A	03/26/07	< 0.50 U	< 1000 U	< 10 U	< 0.50 U	1.4	–	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	–
WR-MW-07A	06/12/07	< 0.50 U	< 1000 U	< 10 U	< 0.50 U	1.3	–	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	–
WR-MW-07A	09/25/07	< 0.50 U	< 1000 U	< 10 U	< 0.50 U	1.6	–	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	–
WR-MW-07A	12/13/07	< 0.50 U	< 1000 U	< 10 U	< 0.50 U	2.3	–	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U
WR-MW-07A	03/26/08	< 0.50 U	< 1000 U	< 10 U	< 0.50 U	1.6	–	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U
WR-MW-07A	10/07/08	< 0.50 U	< 1000 U	< 10 U	< 0.50 U	2.1	–	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U
WR-MW-07A	04/07/09	< 0.50 U	< 1000 U	< 10 U	< 0.50 U	1.7	–	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U
WR-MW-07A	06/24/10	< 0.50 U	< 1000 U	< 10 U	< 0.50 U	1.4	–	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 1 U
WR-MW-08A	10/03/02	< 0.50 U	–	< 5 U	< 0.50 U	2.6 J+	< 10 U	0.16 J	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U
WR-MW-08A	02/08/03	< 0.50 U	–	< 10 U	< 0.50 U	4.5	–	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	–
WR-MW-08A	05/27/03	< 0.50 U	–	< 10 U	< 0.50 U	**5.1**	–	0.50	< 0.50 U	< 0.50 U	< 0.50 U	–
WR-MW-08A	08/05/03	< 0.50 U	< 1000 U	< 10 U	< 0.50 U	**5.1**	–	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	–
WR-MW-08A	11/10/03	< 0.50 U	< 1000 U	< 10 U	< 0.50 U	**5.2**	–	0.50	< 0.50 U	< 0.50 U	< 0.50 U	–
WR-MW-08A	02/10/04	< 0.50 U	< 1000 U	< 10 U	< 0.50 U	**6.5**	–	0.60	< 0.50 U	< 0.50 U	< 0.50 U	–
WR-MW-08A	05/25/04	< 0.50 U	–	< 10 U	< 0.50 U	**6.3**	–	0.50	< 0.50 U	< 0.50 U	< 0.50 U	–
WR-MW-08A	09/03/04	< 0.50 U	< 1000 U	< 10 U	< 0.50 U	4.2 J+	–	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	–
WR-MW-08A	12/08/04	< 0.50 U	< 1000 U	< 10 U	< 0.50 U	**5.8**	–	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	–

Table B-1. Historical Groundwater Monitoring Results - Organics

Analyte		Dibromochloro-methane	Ethanol	MEK	MTBE	PCE	Phenol	TCE	Toluene	trans-1,2- DCE	Vinyl Chloride	Xylenes, Total
Units		µg/L	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	N/A	13	5	N/A	5	150	10	0.5	1750
Historical MCL Exceedances?		No	No	No	Yes	Yes	No	Yes	No	No	Yes	No
Well ID	**Sampled**											
WR-MW-08A	03/02/05	< 0.50 U	< 1000 U	< 10 U	< 0.50 U	**11**	–	0.60	< 0.50 U	< 0.50 U	< 0.50 U	–
WR-MW-08A	06/07/05	< 0.50 U	< 1000 U	< 10 U	< 0.50 U	**6.0**	–	< 5 U	< 0.50 U	< 0.50 U	< 0.50 U	–
WR-MW-08A	09/14/05	< 0.50 U	–	< 10 U	< 0.50 U	**6.3**	–	< 5 U	< 0.50 U	< 0.50 U	< 0.50 U	–
WR-MW-08A	12/06/05	< 0.50 U	–	< 10 U	< 0.50 U	2.8	–	< 5 U	< 0.50 U	< 0.50 U	< 0.50 U	–
WR-MW-08A	03/14/06	< 0.50 U	–	< 10 U	< 0.50 U	**11**	–	< 5 U	< 0.50 U	< 0.50 U	< 0.50 U	–
WR-MW-08A	06/27/06	< 0.50 U	< 1000 U	< 10 U	< 0.50 U	**12**	–	< 5 U	< 0.50 U	< 0.50 U	< 0.50 U	–
WR-MW-08A	09/26/06	< 0.50 U	< 1000 U	< 10 U	< 0.50 U	**12**	–	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	–
WR-MW-08A	12/13/06	< 0.50 U	< 1000 U	< 10 U	< 0.50 U	**15**	–	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	–
WR-MW-08A	03/26/07	< 0.50 U	< 1000 U	< 10 U	< 0.50 U	**7.3**	–	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	–
WR-MW-08A	06/11/07	< 0.50 U	< 1000 U	< 10 U	< 0.50 U	**6.1**	–	< 0.50 U	< 0.50 U	< 0.50 U	**0.7**	–
WR-MW-08A	09/25/07	< 0.50 U	< 1000 U	< 10 U	< 0.50 U	3.5	–	< 0.50 U	< 0.50 U	< 0.50 U	**0.9**	–
WR-MW-08A	12/13/07	< 0.50 U	< 1000 U	< 10 U	< 0.50 U	**6.3**	–	< 0.50 U	< 0.50 U	< 0.50 U	**1.2**	< 0.50 U
WR-MW-08A	03/26/08	< 0.50 U	< 1000 U	< 10 U	< 0.50 U	**6.2**	–	< 0.50 U	< 0.50 U	< 0.50 U	**1.2**	< 0.50 U
WR-MW-08A	10/07/08	< 0.50 U	< 1000 U	< 10 U	< 0.50 U	3.2	–	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U
WR-MW-08A	04/09/09	< 0.50 U	< 1000 U	< 10 U	< 0.50 U	4.6	–	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U
WR-MW-08A	06/24/10	< 0.50 U	< 1000 U	< 10 U	< 0.50 U	**8.4**	–	0.50	< 0.50 U	< 0.50 U	< 0.50 U	< 1 U
WR-MW-08A	01/27/11	< 0.50 U	< 1000 U	< 10 U	< 0.50 U	**8.4**	–	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 1 U
WR-MW-08A	06/20/11	< 0.50 U	< 1000 U	< 10 U	< 0.50 U	**9.8**	–	0.70	< 0.50 U	< 0.50 U	< 0.50 U	< 1 U
WR-MW-08A	01/11/12	< 0.50 U	< 1000 U	< 10 U	< 0.50 U	**8.0**	–	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 1 U
WR-MW-08A	06/26/12	< 0.50 U	< 1000 U	< 10 U	< 0.50 U	**6.8**	–	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 1 U
WR-MW-08A	01/03/13	< 0.50 U	< 1000 U	< 10 U	< 0.50 U	**5.6**	–	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 1 U
WR-MW-08A	06/25/13	< 0.50 U	< 1000 U	< 10 U	< 0.50 U	4.0	–	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 1 U
WR-MW-08A	12/03/13	< 0.50 U	< 1000 U	< 10 U	< 0.50 U	3.2	–	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 1 U
WR-MW-08A	06/30/14	< 0.50 U	< 1000 U	< 10 U	< 0.50 U	2.0	–	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 1 U
WR-MW-08A	11/05/14	< 0.50 U	< 1000 U	< 10 U	< 0.50 U	1.3	–	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 1 U
WR-MW-08A	09/28/16	< 0.20 U	–	41	< 0.20 U	< 0.20 U	–	< 0.20 U	0.20 J	< 0.20 U	< 0.20 U	< 0.40 U
WR-MW-08A	12/21/16	0.20 J	–	18	< 0.20 U	< 0.20 U	–	< 0.20 U	0.20	< 0.20 U	< 0.20 U	< 0.40 U
WR-MW-08A	06/28/17	0.20 J	< 40 U	< 2 U	< 0.40 U	< 0.20 U	–	< 0.20 U	< 0.20 U	< 0.40 U	< 0.20 U	< 0.40 U
WR-MW-08A	12/19/17	< 0.40 U	< 80 U	1.7 J	< 0.40 U	< 0.20 U	–	< 0.20 U	< 0.20 U	< 0.40 U	< 0.20 U	< 0.40 U
WR-MW-08A	06/14/18	< 0.20 U	–	0.80 J	< 0.20 U	< 0.20 U	–	< 0.20 U	< 0.20 U	< 0.20 U	< 0.20 U	< 0.40 U
WR-MW-08A	12/14/18	< 0.50 U	–	< 5 UJ	< 0.50 U	< 0.50 U	–	< 0.50 U	0.11	< 0.50 U	< 0.50 U	< 0.50 U
WR-MW-08A	06/25/19	< 0.40 U	–	1.0	< 0.40 U	< 0.40 U	–	< 0.40 U	< 0.20 U	< 0.40 U	< 0.40 U	< 0.40 U
WR-MW-08A	12/30/19	< 0.40 U	–	< 4 U	< 0.40 U	< 0.40 U	–	< 0.20 U	< 0.20 U	< 0.40 U	< 0.40 U	< 0.40 U

Table B-1. Historical Groundwater Monitoring Results - Organics

Analyte		Dibromochloro-methane	Ethanol	MEK	MTBE	PCE	Phenol	TCE	Toluene	trans-1,2- DCE	Vinyl Chloride	Xylenes, Total
Units		µg/L	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	N/A	13	5	N/A	5	150	10	0.5	1750
Historical MCL Exceedances?		No	No	No	Yes	Yes	No	Yes	No	No	Yes	No
Well ID	**Sampled**											
WR-MW-08A	05/07/20	< 0.40 U	–	< 4 UJ	< 0.40 U	< 0.40 U	–	< 0.20 U	< 0.20 U	< 0.40 U	< 0.40 U	< 0.40 U
WR-MW-08A	11/18/20	< 0.20 U	–	10 J	< 0.30 U	< 0.30 U	–	< 0.20 U	< 0.20 U	< 0.20 U	< 0.30 U	< 0.50 U
WR-MW-08A	12/16/21	< 0.16 U	–	–	–	0.14 J	–	< 0.16 U	< 0.16 U	< 0.16 U	< 0.16 U	< 0.45 U
WR-MW-08A	12/16/21	< 0.16 U	–	–	–	0.12 J	–	< 0.16 U	< 0.16 U	< 0.16 U	< 0.16 U	< 0.45 U
WR-MW-08A	06/08/22	< 0.16 U	–	–	–	< 0.30 U	–	< 0.16 U	< 0.16 U	< 0.16 U	< 0.16 U	< 0.45 U
WR-MW-08A	06/08/22	< 0.16 U	–	–	–	< 0.30 U	–	< 0.16 U	< 0.16 U	< 0.16 U	< 0.16 U	< 0.45 U
WR-MW-08A	11/29/22	< 0.16 U	–	< 3.0 U	< 0.16 U	< 0.30 U	–	< 0.16 U	< 0.16 U	< 0.16 U	< 0.16 U	< 0.46 U
WR-MW-08A	11/29/22	< 0.16 U	–	< 3.0 U	< 0.16 U	< 0.30 U	–	< 0.16 U	< 0.16 U	< 0.16 U	< 0.16 U	< 0.46 U
WR-MW-08A	06/15/23	< 0.16 U	–	< 3.0 U	< 0.16 U	< 0.30 U	–	< 0.16 U	< 0.16 U	< 0.16 U	< 0.16 U	< 0.46 U
WR-MW-09A	10/03/02	< 1 U	–	< 10 U	0.21 J	**54**	< 10 U	1.6	0.25 J	0.19 J	< 1 U	< 1 U
WR-MW-09A	02/12/03	< 0.50 U	–	< 10 U	0.50	**66**	–	1.2	< 0.50 U	< 0.50 U	< 0.50 U	–
WR-MW-09A	06/26/03	< 0.50 U	–	< 10 U	1.0	**55**	–	0.60	< 0.50 U	< 0.50 U	< 0.50 U	–
WR-MW-09A	08/06/03	< 0.50 U	< 1000 U	< 10 U	0.90	**37**	< 9.6 U	0.60	< 0.50 U	< 0.50 U	< 0.50 U	–
WR-MW-09A	11/11/03	< 0.50 U	< 1000 U	< 10 U	2.7	**58**	< 9.5 U	0.60	< 0.50 U	< 0.50 U	< 0.50 U	–
WR-MW-09A	02/10/04	< 0.50 U	< 1000 U	< 10 U	5.6	**48**	< 9.6 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	–
WR-MW-09A	05/24/04	< 0.50 U	–	< 10 U	4.1	**40**	< 9.6 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	–
WR-MW-09A	09/02/04	< 0.50 U	< 1000 U	< 10 U	4.2	**54**	< 10 U	0.60	< 0.50 U	< 0.50 U	< 0.50 U	–
WR-MW-09A	12/08/04	< 0.50 U	< 1000 U	< 10 U	2.3 J+	**50 J+**	< 9.5 U	0.90 J+	< 0.50 U	< 0.50 U	< 0.50 U	–
WR-MW-09A	12/08/04	< 0.50 U	< 1000 U	< 10 U	2.1	**37**	< 10 U	0.70	< 0.50 U	< 0.50 U	< 0.50 U	–
WR-MW-09A	03/01/05	< 0.50 U	< 1000 U	< 10 U	3.2	**57**	< 9.5 U	0.60	< 0.50 U	< 0.50 U	< 0.50 U	–
WR-MW-09A	06/07/05	< 0.50 U	< 1000 U	< 10 U	4.4	**44**	< 9.5 U	0.60	< 0.50 U	< 0.50 U	< 0.50 U	–
WR-MW-09A	09/14/05	< 0.50 U	–	< 10 U	4.9	**53**	< 9.7 U	1.0	< 0.50 U	< 0.50 U	< 0.50 U	–
WR-MW-09A	12/06/05	< 0.50 U	–	< 10 U	0.90	**50**	< 9.4 U	1.1	< 0.50 U	< 0.50 U	< 0.50 U	–
WR-MW-09A	12/06/05	< 0.50 U	–	< 10 U	10	**49**	< 9.4 U	1.1	< 0.50 U	< 0.50 U	< 0.50 U	–
WR-MW-09A	03/14/06	< 0.50 U	–	< 10 U	2.2	**40**	< 9.4 U	1.4	< 0.50 U	< 0.50 U	< 0.50 U	–
WR-MW-09A	06/26/06	< 0.50 U	< 1000 U	110	4.1	**11**	–	1.4	< 0.50 U	< 0.50 U	< 0.50 U	–
WR-MW-09A	09/26/06	< 0.50 U	< 1000 U	140	3.2	< 0.50 U	–	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	–
WR-MW-09A	12/13/06	< 0.50 U	< 1000 U	19	3.0	1.5	–	0.50	< 0.50 U	< 0.50 U	< 0.50 U	–
WR-MW-09A	03/27/07	< 0.50 U	< 1000 U	< 10 U	2.2	1.6	–	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	–
WR-MW-09A	07/12/07	< 0.50 U	< 1000 U	< 10 U	2.4	1.3	–	0.90	< 0.50 U	< 0.50 U	< 0.50 U	–
WR-MW-09A	09/26/07	< 0.50 U	< 1000 U	< 10 U	2.3	1.6	–	0.60	< 0.50 U	< 0.50 U	< 0.50 U	–
WR-MW-09A	12/12/07	< 0.50 U	< 1000 U	< 10 U	1.7	1.5	–	1.1	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U
WR-MW-09A	10/08/08	< 0.50 U	< 1000 U	< 10 U	1.4	1.1	–	1.0	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U

Table B-1. Historical Groundwater Monitoring Results - Organics

Analyte		Dibromochloro-methane	Ethanol	MEK	MTBE	PCE	Phenol	TCE	Toluene	trans-1,2- DCE	Vinyl Chloride	Xylenes, Total
Units		µg/L	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	N/A	13	5	N/A	5	150	10	0.5	1750
Historical MCL Exceedances?		No	No	No	Yes	Yes	No	Yes	No	No	Yes	No
Well ID	**Sampled**											
WR-MW-09A	04/09/09	< 0.50 U	< 1000 U	< 10 U	0.70	0.90	–	0.70	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U
WR-MW-09A	06/24/10	< 0.50 U	< 1000 U	< 10 U	< 0.50 U	< 0.50 U	–	0.60	< 0.50 U	< 0.50 U	< 0.50 U	< 1 U
WR-MW-09A	01/26/11	< 0.50 U	< 1000 U	< 10 U	< 0.50 U	< 0.50 U	–	1.2	< 0.50 U	< 0.50 U	< 0.50 U	< 1 U
WR-MW-09A	06/20/11	< 0.50 U	< 1000 U	< 10 U	< 0.50 U	0.50	–	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 1 U
WR-MW-09A	01/10/12	< 0.50 U	< 1000 U	< 10 U	< 0.50 U	< 0.50 U	–	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 1 U
WR-MW-09A	06/26/12	< 0.50 U	< 1000 U	< 10 U	< 0.50 U	< 0.50 U	–	< 0.50 U	< 0.50 U	< 0.50 U	**0.9**	< 1 U
WR-MW-09A	01/03/13	< 0.50 U	< 1000 U	< 10 U	< 0.50 U	< 0.50 U	–	< 0.50 U	< 0.50 U	< 0.50 U	**0.9**	< 1 U
WR-MW-09A	06/25/13	< 0.50 U	< 1000 U	< 10 U	< 0.50 U	< 0.50 U	–	0.70	< 0.50 U	< 0.50 U	**1.1**	< 1 U
WR-MW-09A	12/03/13	< 0.50 U	< 1000 U	< 10 U	< 0.50 U	< 0.50 U	–	< 0.50 U	< 0.50 U	< 0.50 U	**1.0**	< 1 U
WR-MW-09A	06/30/14	< 0.50 U	< 1000 U	< 10 U	< 0.50 U	< 0.50 U	–	0.80	< 0.50 U	< 0.50 U	**0.8**	< 1 U
WR-MW-09A	11/04/14	< 0.50 U	< 1000 U	< 10 U	< 0.50 U	< 0.50 U	–	< 0.50 U	< 0.50 U	< 0.50 U	**0.7**	< 1 U
WR-MW-09A	09/28/16	< 0.20 U	–	39	< 0.20 U	0.20 J	–	1.2	0.90	0.40 J	**0.7**	< 0.50 U
WR-MW-09A	12/21/16	0.20 J	–	24 J	0.20 J	0.70 J	–	0.40 J	0.20 J	0.50 J	**0.60 J**	0.40 J
WR-MW-09A	12/21/16	< 0.20 U	–	24	< 0.20 U	0.70	–	0.30 J	< 0.20 U	0.50	**0.6**	< 0.40 U
WR-MW-09A	06/28/17	< 0.40 U	< 40 U	1.4 J	< 0.40 U	0.50	–	0.70	< 0.20 U	0.40 J	**0.6**	< 0.40 U
WR-MW-09A	12/19/17	< 0.40 U	< 80 U	4.6 J	< 0.40 U	0.90	–	1.1	< 0.20 U	0.40 J	**0.50 J**	< 0.40 U
WR-MW-09A	06/14/18	< 0.20 U	–	0.70 J	< 0.20 U	1.2	–	1.5	< 0.20 U	0.40 J	**0.6**	< 0.40 U
WR-MW-09A	12/14/18	< 0.50 U	–	< 5 UJ	< 0.50 U	0.43	–	0.68	< 0.50 U	0.38 J	< 0.50 U	< 0.50 U
WR-MW-09A	06/25/19	< 0.40 U	–	1.0	< 0.40 U	0.60	–	0.90	< 0.20 U	0.20	0.30	< 0.40 U
WR-MW-09A	12/30/19	< 0.40 U	–	< 4 U	< 0.40 U	0.40 J	–	0.90	< 0.20 U	0.10	0.30	< 0.40 U
WR-MW-09A	05/07/20	< 0.40 U	–	< 4 UJ	< 0.40 U	0.40	–	1.2	< 0.20 U	0.40	**0.5**	< 0.40 U
WR-MW-09A	11/18/20	< 0.20 U	–	10 J	< 0.30 U	0.46	–	0.96	< 0.20 U	0.11	0.45	< 0.50 U
WR-MW-09A	12/16/21	< 0.16 U	–	–	–	0.12 J	–	0.17 J	< 0.16 U	< 0.16 U	< 0.16 U	< 0.45 U
WR-MW-09A	06/08/22	< 0.16 U	–	–	–	0.25 J	–	0.28 J	< 0.16 U	0.070 J	0.17 J	< 0.45 U
WR-MW-09A	11/29/22	< 0.16 U	–	< 3.0 U	< 0.16 U	0.25 J	–	0.18 J	< 0.16 U	< 0.16 U	0.34 J	< 0.46 U
WR-MW-09A	06/15/23	< 0.16 U	–	< 3.0 U	< 0.16 U	0.30 J	–	0.17 J	< 0.16 U	< 0.16 U	0.21 J	< 0.46 U
WR-MW-10A	09/03/04	< 0.50 U	< 1000 U	< 10 U	1.8 J+	**14 J+**	–	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	–
WR-MW-10A	12/08/04	< 0.50 U	< 1000 U	< 10 U	2.2 J+	**19 J+**	–	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	–
WR-MW-10A	03/02/05	< 0.50 U	< 1000 U	< 10 U	< 0.50 U	**17**	–	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	–
WR-MW-10A	06/07/05	< 0.50 U	< 1000 U	< 10 U	1.7	**23**	–	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	–
WR-MW-10A	09/13/05	< 0.50 U	–	< 10 U	1.1	**19**	–	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	–
WR-MW-10A	12/06/05	< 0.50 U	–	< 10 U	1.1	**18**	–	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	–
WR-MW-10A	03/14/06	< 0.50 U	–	< 10 U	< 0.50 U	**15**	–	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	–

Table B-1. Historical Groundwater Monitoring Results - Organics

Analyte		Dibromochloro-methane	Ethanol	MEK	MTBE	PCE	Phenol	TCE	Toluene	trans-1,2- DCE	Vinyl Chloride	Xylenes, Total
Units		µg/L	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	N/A	13	5	N/A	5	150	10	0.5	1750
Historical MCL Exceedances?		No	No	No	Yes	Yes	No	Yes	No	No	Yes	No
Well ID	**Sampled**											
WR-MW-10A	06/27/06	< 0.50 U	< 1000 U	< 10 U	< 0.50 U	**19**	–	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	–
WR-MW-10A	09/25/06	< 0.50 U	< 1000 U	< 10 U	< 0.50 U	**31**	–	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	–
WR-MW-10A	12/13/06	< 0.50 U	< 1000 U	< 10 U	< 0.50 U	**24**	–	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	–
WR-MW-10A	03/26/07	< 0.50 U	< 1000 U	< 10 U	< 0.50 U	**24**	–	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	–
WR-MW-10A	06/11/07	< 0.50 U	< 1000 U	< 10 U	0.60	**19**	–	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	–
WR-MW-10A	09/26/07	< 0.50 U	< 1000 U	< 10 U	0.50	**10**	–	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	–
WR-MW-10A	12/13/07	< 0.50 U	< 1000 U	< 10 U	1.6	**30**	–	0.90	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U
WR-MW-10A	03/26/08	< 0.50 U	< 1000 U	< 10 U	1.7	1.1	–	0.60	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U
WR-MW-10A	10/07/08	< 0.50 U	< 1000 U	< 10 U	1.4	**22**	–	2.3	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U
WR-MW-10A	04/08/09	< 0.50 U	< 1000 U	< 10 U	1.1	**21**	–	4.4	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U
WR-MW-10A	09/28/09	< 0.50 U	< 1000 U	< 10 U	0.60	**15**	–	3.1	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U
WR-MW-10A	06/24/10	< 0.50 U	< 1000 U	< 10 U	< 0.50 U	**17**	–	1.7	< 0.50 U	< 0.50 U	< 0.50 U	< 1 U
WR-MW-10A	01/27/11	< 0.50 U	< 1000 U	< 10 U	< 0.50 U	**25**	–	3.0	< 0.50 U	< 0.50 U	< 0.50 U	< 1 U
WR-MW-10A	06/21/11	< 0.50 U	< 1000 U	< 10 U	< 0.50 U	**17**	–	2.2	< 0.50 U	< 0.50 U	< 0.50 U	< 1 U
WR-MW-10A	01/11/12	< 0.50 U	< 1000 U	< 10 U	< 0.50 U	**23**	–	3.4	< 0.50 U	< 0.50 U	< 0.50 U	< 1 U
WR-MW-10A	06/27/12	< 0.50 U	< 1000 U	< 10 U	< 0.50 U	**23**	–	2.4	< 0.50 U	< 0.50 U	< 0.50 U	< 1 U
WR-MW-10A	01/04/13	< 0.50 U	< 1000 U	< 10 U	< 0.50 U	**18**	–	3.5	< 0.50 U	< 0.50 U	< 0.50 U	< 1 U
WR-MW-10A	06/26/13	< 0.50 U	< 1000 U	< 10 U	< 0.50 U	**14**	–	2.3	< 0.50 U	< 0.50 U	< 0.50 U	< 1 U
WR-MW-10A	12/04/13	< 0.50 U	< 1000 U	< 10 U	< 0.50 U	**23**	–	2.6	< 0.50 U	< 0.50 U	< 0.50 U	< 1 U
WR-MW-10A	07/01/14	< 0.50 U	< 1000 U	< 10 U	< 0.50 U	**17**	–	2.3	< 0.50 U	< 0.50 U	< 0.50 U	< 1 U
WR-MW-10A	11/05/14	< 0.50 U	< 1000 U	< 10 U	< 0.50 U	**14**	–	2.3	< 0.50 U	< 0.50 U	< 0.50 U	< 1 U
WR-MW-10A	11/18/20	< 0.20 U	–	10 J	< 0.30 U	**7.4**	–	1.6	< 0.20 U	< 0.20 U	< 0.30 U	< 0.50 U
WR-MW-10A	12/16/21	< 0.16 U	–	–	–	1.6	–	0.96	< 0.16 U	< 0.16 U	< 0.16 U	< 0.45 U
WR-MW-10A	06/08/22	< 0.16 U	–	–	–	4.6	–	1.3	< 0.16 U	0.060 J	< 0.16 U	< 0.45 U
WR-MW-10A	11/29/22	< 0.16 U	–	< 3.0 U	< 0.16 U	**5.1**	–	1.5	< 0.16 U	0.050 J	< 0.16 U	< 0.46 U
WR-MW-10A	06/15/23	< 0.16 U	–	< 3.0 U	< 0.16 U	**5.2**	–	1.2	< 0.16 U	0.060 J	< 0.16 U	< 0.46 U
WR-MW-11A	09/03/04	< 0.50 U	< 1000 U	< 10 U	< 0.50 U	1.5 J+	–	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	–
WR-MW-11A	12/08/04	< 0.50 U	< 1000 U	< 10 U	< 0.50 U	3.3	–	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	–
WR-MW-11A	03/02/05	< 0.50 U	< 1000 U	< 10 U	< 0.50 U	2.1	–	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	–
WR-MW-11A	06/07/05	< 0.50 U	< 1000 U	< 10 U	< 0.50 U	3.3	–	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	–
WR-MW-11A	09/14/05	< 0.50 U	< 1000 U	< 10 U	< 0.50 U	3.8	–	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	–
WR-MW-11A	12/08/05	< 0.50 U	< 1000 U	< 10 U	< 0.50 U	**5.0**	–	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	–
WR-MW-11A	03/14/06	< 0.50 U	< 1000 U	< 10 U	< 0.50 U	4.3	–	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	–

Table B-1. Historical Groundwater Monitoring Results - Organics

Analyte		Dibromochloro-methane	Ethanol	MEK	MTBE	PCE	Phenol	TCE	Toluene	trans-1,2- DCE	Vinyl Chloride	Xylenes, Total
Units		µg/L	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	N/A	13	5	N/A	5	150	10	0.5	1750
Historical MCL Exceedances?		No	No	No	Yes	Yes	No	Yes	No	No	Yes	No
Well ID	**Sampled**											
WR-MW-11A	06/27/06	< 0.50 U	< 1000 U	< 10 U	< 0.50 U	4.7	–	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	–
WR-MW-11A	09/26/06	< 0.50 U	< 1000 U	< 10 U	< 0.50 U	**6.0**	–	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	–
WR-MW-11A	12/13/06	< 0.50 U	< 1000 U	< 10 U	< 0.50 U	3.9	–	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	–
WR-MW-11A	03/26/07	< 0.50 U	< 1000 U	< 10 U	< 0.50 U	4.6	–	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	–
WR-MW-11A	06/11/07	< 0.50 U	< 1000 U	< 10 U	< 0.50 U	4.5	–	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	–
WR-MW-11A	09/25/07	< 0.50 U	< 1000 U	< 10 U	< 0.50 U	4.4	–	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	–
WR-MW-11A	12/13/07	< 0.50 U	< 1000 U	< 10 U	< 0.50 U	**5.4**	–	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U
WR-MW-11A	03/26/08	< 0.50 U	< 1000 U	< 10 U	< 0.50 U	**6.9**	–	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U
WR-MW-11A	10/07/08	< 0.50 U	< 1000 U	< 10 U	< 0.50 U	**9.2**	–	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U
WR-MW-11A	04/08/09	< 0.50 U	< 1000 U	< 10 U	< 0.50 U	**5.5**	–	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U
WR-MW-11A	09/28/09	< 0.50 U	< 1000 U	< 10 U	< 0.50 U	**9.2**	–	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U
WR-MW-11A	06/24/10	< 0.50 U	< 1000 U	< 10 U	< 0.50 U	**9.4**	–	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 1 U
WR-MW-11A	01/27/11	< 0.50 U	< 1000 U	< 10 U	< 0.50 U	**12**	–	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 1 U
WR-MW-11A	06/21/11	< 0.50 U	< 1000 U	< 10 U	< 0.50 U	**10**	–	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 1 U
WR-MW-11A	01/11/12	< 0.50 U	< 1000 U	< 10 U	< 0.50 U	**10**	–	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 1 U
WR-MW-11A	06/26/12	< 0.50 U	< 1000 U	< 10 U	< 0.50 U	**10**	–	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 1 U
WR-MW-11A	01/03/13	< 0.50 U	< 1000 U	< 10 U	< 0.50 U	**9.9**	–	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 1 U
WR-MW-11A	06/25/13	< 0.50 U	< 1000 U	< 10 U	< 0.50 U	**7.9**	–	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 1 U
WR-MW-11A	12/03/13	< 0.50 U	< 1000 U	< 10 U	< 0.50 U	**9.5**	–	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 1 U
WR-MW-11A	07/01/14	< 0.50 U	< 1000 U	< 10 U	< 0.50 U	**8.6**	–	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 1 U
WR-MW-11A	11/05/14	< 0.50 U	< 1000 U	< 10 U	< 0.50 U	**7.3**	–	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 1 U
WR-MW-11A	09/28/16	< 0.20 U	–	42	< 0.20 U	2.1	–	0.20 J	0.30 J	< 0.20 U	< 0.20 U	< 0.40 U
WR-MW-11A	12/21/16	< 0.20 U	–	26	< 0.20 U	**7.3**	–	0.50 J	< 0.20 U	< 0.20 U	< 0.20 U	< 0.40 U
WR-MW-11A	06/28/17	< 0.40 U	< 40 U	1.3 J	< 0.40 U	**7.1 J**	–	0.40 J	< 0.20 U	< 0.40 U	< 0.20 U	< 0.40 U
WR-MW-11A	12/19/17	< 0.40 U	22 J	5.9 J	< 0.40 U	**5.1 J**	–	0.50 J	< 0.40 U	< 0.40 U	< 0.40 U	< 0.80 U
WR-MW-11A	12/14/18	< 0.50 U	–	< 5 UJ	< 0.50 U	2.5	–	0.22	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U
WR-MW-11A	06/25/19	< 0.40 U	–	< 1 U	< 0.40 U	**6.3**	–	0.20	< 0.20 U	< 0.40 U	< 0.40 U	< 0.40 U
WR-MW-11A	12/30/19	< 0.40 U	–	< 4 U	< 0.40 U	**5.2 J**	–	0.20 J	< 0.20 U	< 0.40 U	< 0.40 U	< 0.40 U
WR-MW-11A	05/07/20	< 0.40 U	–	< 4 UJ	< 0.40 U	3.8	–	0.30	< 0.20 U	< 0.40 U	< 0.40 U	< 0.40 U
WR-MW-11A	11/18/20	< 0.20 U	–	< 10 U	< 0.30 U	**5.1**	–	0.21	< 0.20 U	< 0.20 U	< 0.30 U	< 0.50 U
WR-MW-11A	12/16/21	< 0.16 U	–	–	–	2.4	–	0.10 J	< 0.16 U	< 0.16 U	< 0.16 U	< 0.45 U
WR-MW-11A	06/08/22	< 0.16 U	–	–	–	3.8	–	0.13 J	< 0.16 U	< 0.16 U	< 0.16 U	< 0.45 U
WR-MW-11A	11/29/22	< 0.16 U	–	< 3.0 U	< 0.16 U	3.8	–	0.13 J	< 0.16 U	< 0.16 U	< 0.16 U	< 0.46 U

Table B-1. Historical Groundwater Monitoring Results - Organics

Analyte		Dibromochloro-methane	Ethanol	MEK	MTBE	PCE	Phenol	TCE	Toluene	trans-1,2- DCE	Vinyl Chloride	Xylenes, Total
Units		µg/L	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	N/A	13	5	N/A	5	150	10	0.5	1750
Historical MCL Exceedances?		No	No	No	Yes	Yes	No	Yes	No	No	Yes	No
Well ID	**Sampled**											
WR-MW-11A	06/15/23	< 0.16 U	–	< 3.0 U	< 0.16 U	3.6	–	0.080 J	< 0.16 U	< 0.16 U	< 0.16 U	< 0.46 U
WR-MW-12A	09/20/05	< 0.50 U	–	< 10 U	< 0.50 U	**75**	–	**6.0**	< 0.50 U	< 0.50 U	< 0.50 U	–
WR-MW-12A	12/06/05	< 0.50 U	–	< 10 U	< 0.50 U	**87**	–	**5.5**	< 0.50 U	< 0.50 U	< 0.50 U	–
WR-MW-12A	03/14/06	< 0.50 U	< 1000 U	< 10 U	< 0.50 U	**110**	–	**6.6**	< 0.50 U	< 0.50 U	< 0.50 U	–
WR-MW-12A	06/27/06	< 0.50 U	< 1000 U	< 10 U	< 0.50 U	**99**	–	**5.9**	< 0.50 U	< 0.50 U	< 0.50 U	–
WR-MW-12A	09/26/06	< 0.50 U	< 1000 U	< 10 U	< 0.50 U	**74**	–	**7.2**	< 0.50 U	< 0.50 U	< 0.70 U	–
WR-MW-12A	12/13/06	< 0.70 U	< 1400 U	< 14 U	< 0.70 U	**64**	–	**5.0**	< 0.70 U	< 0.70 U	< 0.50 U	–
WR-MW-12A	03/26/07	< 1 U	< 0.50 U	< 0.50 U	< 1000 U	**94**	–	**5.8**	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U
WR-MW-12A	06/11/07	< 1 U	< 0.50 U	< 0.50 U	< 1000 U	**50**	–	3.1	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U
WR-MW-12A	09/25/07	< 0.50 U	< 1000 U	< 10 U	< 0.50 U	**63**	–	3.8	< 0.50 U	< 0.50 U	< 0.50 U	–
WR-MW-12A	12/13/07	< 0.50 U	< 1000 U	< 10 U	< 0.50 U	**49**	–	2.5	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U
WR-MW-12A	03/26/08	< 0.50 U	< 1000 U	< 10 U	< 0.50 U	**88**	–	**5.3**	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U
WR-MW-12A	10/07/08	< 0.50 U	< 1000 U	< 10 U	< 0.50 U	**73**	–	**5.2**	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U
WR-MW-12A	04/08/09	< 0.50 U	< 1000 U	< 10 U	< 0.50 U	**39**	–	**5.0**	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U
WR-MW-12A	09/28/09	< 0.50 U	< 1000 U	< 10 U	< 0.50 U	**55**	–	**5.2**	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U
WR-MW-12A	06/24/10	< 0.50 U	< 1000 U	< 10 U	< 0.50 U	**41**	–	**9.9**	< 0.50 U	< 0.50 U	< 0.50 U	< 1 U
WR-MW-12A	01/27/11	< 0.50 U	< 1000 U	< 10 U	< 0.50 U	**35**	–	**5.3**	< 0.50 U	< 0.50 U	< 0.50 U	< 1 U
WR-MW-12A	06/21/11	< 0.50 U	< 1000 U	< 10 U	< 0.50 U	**21**	–	2.0	< 0.50 U	< 0.50 U	< 0.50 U	< 1 U
WR-MW-12A	01/11/12	< 0.50 U	< 1000 U	< 10 U	< 0.50 U	**23**	–	2.6	< 0.50 U	< 0.50 U	< 0.50 U	< 1 U
WR-MW-12A	06/27/12	< 0.50 U	< 1000 U	< 10 U	< 0.50 U	**25**	–	2.6	< 0.50 U	< 0.50 U	< 0.50 U	< 1 U
WR-MW-12A	01/04/13	< 0.50 U	< 1000 U	< 10 U	< 0.50 U	**22**	–	3.1	< 0.50 U	< 0.50 U	< 0.50 U	< 1 U
WR-MW-12A	06/26/13	< 0.50 U	< 1000 U	< 10 U	< 0.50 U	**19**	–	3.2	< 0.50 U	< 0.50 U	< 0.50 U	< 1 U
WR-MW-12A	12/04/13	< 0.50 U	< 1000 U	< 10 U	< 0.50 U	**25**	–	3.2	< 0.50 U	< 0.50 U	< 0.50 U	< 1 U
WR-MW-12A	07/01/14	< 0.50 U	< 1000 U	< 10 U	< 0.50 U	**19**	–	3.3	< 0.50 U	< 0.50 U	< 0.50 U	< 1 U
WR-MW-12A	11/05/14	< 0.50 U	< 1000 U	< 10 U	< 0.50 U	**12**	–	3.2	< 0.50 U	< 0.50 U	< 0.50 U	< 1 U
WR-MW-12A	09/28/16	< 0.20 U	–	39	< 0.20 U	0.90	–	0.70	0.40 J	0.20 J	**0.6**	< 0.40 U
WR-MW-12A	12/21/16	< 0.20 U	–	29	< 0.20 U	3.1	–	1.0	< 0.20 U	0.10 J	0.20 J	< 0.40 U
WR-MW-12A	06/28/17	< 0.40 U	< 40 U	1 J	< 0.40 U	1.5	–	0.80	< 0.20 U	0.20 J	< 0.20 U	< 0.40 U
WR-MW-12A	12/19/17	< 0.40 U	< 80 U	5.1 J	< 0.40 U	1.5	–	1.0	< 0.20 U	0.20 J	0.20 J	< 0.40 U
WR-MW-12A	06/14/18	< 0.20 U	–	< 4 U	< 0.20 U	1.9	–	1.0	< 0.40 U	0.10 J	< 0.40 U	< 0.40 U
WR-MW-12A	06/14/18	< 0.20 U	–	0.80 J	< 0.20 U	1.9	–	1.1	< 0.20 U	0.20 J	< 0.20 U	< 0.40 U
WR-MW-12A	12/14/18	< 0.50 U	–	< 5 UJ	< 0.50 U	0.63	–	1.3	0.11	< 0.50 U	< 0.50 U	< 0.50 U
WR-MW-12A	06/25/19	< 0.40 U	–	0.60	< 0.40 U	1.6	–	1.0	< 0.20 U	0.20	< 0.40 U	< 0.40 U

Table B-1. Historical Groundwater Monitoring Results - Organics

Analyte		Dibromochloro-methane	Ethanol	MEK	MTBE	PCE	Phenol	TCE	Toluene	trans-1,2- DCE	Vinyl Chloride	Xylenes, Total
Units		µg/L	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	N/A	13	5	N/A	5	150	10	0.5	1750
Historical MCL Exceedances?		No	No	No	Yes	Yes	No	Yes	No	No	Yes	No
Well ID	**Sampled**											
WR-MW-12A	12/30/19	< 0.40 U	–	< 4 U	< 0.40 U	1.4	–	1.6	< 0.20 U	0.20	< 0.40 U	< 0.40 U
WR-MW-12A	05/07/20	< 0.40 U	–	< 4 UJ	< 0.40 U	1.4	–	1.8	< 0.20 U	0.20	< 0.40 U	< 0.40 U
WR-MW-12A	11/18/20	< 0.20 U	–	< 10 U	< 0.30 U	1.4	–	1.7	< 0.20 U	0.19	< 0.30 U	< 0.50 U
WR-MW-12A	12/16/21	< 0.16 U	–	–	–	0.34 J	–	0.42 J	< 0.16 U	< 0.16 U	< 0.16 U	< 0.45 U
WR-MW-12A	06/08/22	< 0.16 U	–	–	–	1.5	–	0.47 J	< 0.16 U	< 0.16 U	< 0.16 U	< 0.45 U
WR-MW-12A	11/29/22	< 0.16 U	–	< 3.0 U	< 0.16 U	1.7	–	0.39 J	< 0.16 U	0.080 J	< 0.16 U	< 0.46 U
WR-MW-12A	06/15/23	< 0.16 U	–	< 3.0 U	< 0.16 U	1.9 J	–	0.53	< 0.16 U	0.070 J	< 0.16 U	< 0.46 U

Notes:

<= Not detected above indicated limit

µg/L= micrograms per liter

Concentrations exceeding the State MCL are displaye

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

MCL= Maximum Contaminant Level

N/A= not applicable

U= Not detected at or above limit of detection

UJ = estimated not detected

Table B-2. Historical Groundwater Monitoring Results - Metals

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

Table B-2. Historical Groundwater Monitoring Results - Metals

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

Table B-2. Historical Groundwater Monitoring Results - Metals

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

Table B-2. Historical Groundwater Monitoring Results - Metals

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

Table B-2. Historical Groundwater Monitoring Results - Metals

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

Table B-2. Historical Groundwater Monitoring Results - Metals

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

Notes:

"<" = Not detected above indicated limit

µg/L = micrograms per liter

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

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

MCL = Maximum Contaminant Level

N/A = not applicable

U = Not detected at or above limit of detection

UJ = estimated not detected

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

Analyte:		Iron	Ferric Iron (Fe3+)	Ferrous Iron (Fe2+)	Bromide	Chloride (as Cl)	Nitrate as N	Nitrite as N	Sulfate	Alkalinity, total (as CaCO3)	Sulfide	Total Organic Carbon	Carbon dioxide	Ethane	Ethylene	Methane
Units:		µg/L	µg/L	µg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	ng/L	ng/L	µg/L
Well ID	**Date**															
WR-IW-01	10/02/02	–	–	–	< 4 U	–	–	–	–	–	–	1.1	–	–	–	–
WR-IW-01	02/09/03	–	–	–	–	–	–	–	–	–	–	4200	–	–	–	–
WR-IW-01	05/23/03	–	–	–	–	–	–	–	–	–	–	24000	–	–	–	–
WR-IW-01	08/06/03	–	–	–	–	–	–	–	–	–	–	21000	–	–	–	–
WR-IW-01	11/11/03	–	–	–	–	–	–	–	–	–	–	21000	–	–	–	–
WR-IW-01	02/10/04	–	–	–	–	–	–	–	–	–	–	22000	500	26	41	8900
WR-IW-02	10/02/02	–	–	–	< 1 U	–	–	–	–	–	–	1.6	–	–	–	–
WR-IW-02	02/12/03	–	–	–	–	–	–	–	–	–	–	9700	–	–	–	–
WR-IW-02	05/23/03	–	–	–	–	–	–	–	–	–	–	19000	–	–	–	–
WR-IW-02	08/06/03	–	–	–	–	–	–	–	–	–	–	24000	–	–	–	–
WR-IW-02	11/11/03	–	–	–	–	–	–	–	–	–	–	16000	–	–	–	–
WR-IW-03	10/02/02	–	–	–	< 4 U	–	–	–	–	–	–	1.9	–	–	–	–
WR-IW-03	02/12/03	–	–	–	–	–	–	–	–	–	–	6600	–	–	–	–
WR-IW-03	05/23/03	–	–	–	–	–	–	–	–	–	–	17000	–	–	–	–
WR-IW-03	08/06/03	–	–	–	–	–	–	–	–	–	–	19000	–	–	–	–
WR-IW-03	11/11/03	–	–	–	–	–	–	–	–	–	–	13000	–	–	–	13.58
WR-IW-03	02/10/04	–	–	–	–	–	–	–	–	–	–	17000	390	170	130	7400
WR-IW-04	10/02/02	–	–	–	< 4 U	–	–	–	–	–	–	1.1	–	–	–	–
WR-IW-04	02/13/03	–	–	–	–	–	–	–	–	–	–	6900	–	–	–	–
WR-IW-04	05/23/03	–	–	–	–	–	–	–	–	–	–	14000	–	–	–	–
WR-IW-04	08/06/03	–	–	–	–	–	–	–	–	–	–	27000	–	–	–	–
WR-IW-04	11/11/03	–	–	–	–	–	–	–	–	–	–	22000	–	–	–	–
WR-MW-01	07/27/01	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
WR-MW-01	01/03/02	260	0	310	–	–	18	< 0.50 U	140	310	< 0.40 U	–	27	15	160	0.39
WR-MW-01	01/03/02	310	–	–	–	–	18	< 0.50 U	140	310	< 0.40 U	–	17	5.7	31	0.054
WR-MW-01	04/18/02	1800	1400	400	–	–	22	< 0.20 U	140	300	< 0.50 U	–	21	58	48	0.30
WR-MW-01	08/13/02	2100	1900	0	–	–	24	< 0.20 U	130	320	< 0.50 U	–	21	10	120	0.45
WR-MW-01	08/13/02	1900	–	–	–	–	24	< 0.20 U	130	310	< 0.50 U	–	22	14	140	0.51
WR-MW-01	11/14/02	1300	1300	0	2.1 J-	170	–	–	130	290	< 0.50 U	1.4	20	< 5 U	< 5 U	0.19
WR-MW-01	02/13/03	2200 J+	–	–	0.75	170	12	2.3	150	580	–	19	–	–	–	–
WR-MW-01	02/13/03	1900 J+	1900 J+	0	0.82	170	12	2.6	150	570	< 0.040 U	19	–	–	–	–
WR-MW-01	06/26/03	16000	–	–	22	210	3.3	2.0	90	1300	0.12 J-	680	–	–	–	–
WR-MW-01	06/26/03	14000	9200	4800	26	210	3.5	2.2	94	1200	0.19 J-	700	–	–	–	–
WR-MW-01	08/06/03	9700	6500	3200	14	180	2.6	< 0.50 U	50	1100	0.35	430	280	< 5 U	180	11000

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

Analyte:		Iron	Ferric Iron (Fe3+)	Ferrous Iron (Fe2+)	Bromide	Chloride (as Cl)	Nitrate as N	Nitrite as N	Sulfate	Alkalinity, total (as CaCO3)	Sulfide	Total Organic Carbon	Carbon dioxide	Ethane	Ethylene	Methane
Units:		µg/L	µg/L	µg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	ng/L	ng/L	µg/L
Well ID	**Date**															
WR-MW-01	11/11/03	5500	–	–	0.54	140	1.1	0.11	170	750	0.16	120	190	140	53	9900
WR-MW-01	11/11/03	5900	2400	3500	0.55	140	1.1	0.11	170	760	0.16	120	190	160	98	10000
WR-MW-01	02/10/04	3200	–	4800	0.41	120	2.8	0.80	200	620	0.080 J-	5.6	140	< 5 U	< 5 U	9500
WR-MW-01	05/25/04	8900	4900	4000	0.70	130	1.1	0.070	100	650	0.72	84	140	95	46	4000
WR-MW-01	09/02/04	5200	–	–	0.64	120	1.4	0.13	160	620	0.050 J-	11	130	32	55	6400
WR-MW-01	12/08/04	4300	300	4000	0.37	100	2.4	0.72	180	510	< 0.040 U	2.9	160	72	67	7100
WR-MW-01	03/01/05	3700	100	3800	0.35	95	3.1	0.31	150	550	0.080	3.0	130	< 5 U	17	6900
WR-MW-01	03/01/05	3700	–	–	0.34	95	2.8	0.26	150	550	–	3.0	180	< 5 U	< 5 U	8600
WR-MW-01	06/07/05	49000	–	–	< 2 U	380	< 0.50 U	0.77	34	2400	< 0.040 U	–	340	43	30	8200
WR-MW-01	06/07/05	49000	–	–	< 2 U	380	< 0.50 U	0.73	34	2300	< 0.040 U	–	450	25 J	< 25 U	8300
WR-MW-01	06/09/05	–	–	–	–	–	–	–	–	–	–	1500	–	–	–	–
WR-MW-01	06/09/05	–	–	–	–	–	–	–	–	–	–	1600	–	–	–	–
WR-MW-01	09/14/05	24000	18500	5500	4.5	180	< 0.050 U	< 0.050 U	25	1400	< 0.040 U	230	430	54	17 J	9800
WR-MW-01	12/06/05	32000	28800	3200	20	300	< 0.050 U	< 0.050 U	< 0.50 U	2000	< 0.040 U	560	410	38	82	6500
WR-MW-01	03/14/06	25000	21200	3800	21	360	< 0.10 U	< 0.10 U	3.2	2300	< 0.040 U	710	450	34	40	5000
WR-MW-01	06/26/06	21000	16400	4600	5.5	270	< 0.050 UJ	< 0.050 UJ	7.7	1800	< 0.040 U	340	380	49	42	9100
WR-MW-01	06/26/06	21000	–	–	5.7	280	< 0.050 UJ	< 0.050 UJ	6.3	1900	< 0.040 U	330	440	53	51	1000
WR-MW-01	06/29/06	–	–	–	–	–	–	–	–	–	–	6800	–	–	–	–
WR-MW-01	09/26/06	21000	–	–	–	250	< 0.050 U	< 0.050 U	12	1700	< 0.040 U	240	310	25 J	62	6700
WR-MW-01	09/26/06	19000	–	–	–	240	< 0.050 U	< 0.050 U	14	1700	0.33	240	240	8 J	32	3200
WR-MW-01	12/13/06	18000	–	–	1.1	140	< 0.050 U	< 0.050 U	22	1500	< 0.040 U	100	420	< 25 U	710	8500
WR-MW-01	03/27/07	28000	27600	400	–	210	< 0.050 U	< 0.050 U	3.1	1700	0.61	160	640	52	110	9700
WR-MW-01	06/12/07	26000	22400	3600	< 0.20 U	210	< 0.050 U	< 0.050 U	21	1600	< 0.30 U	140	410	180	150	6900
WR-MW-01	06/12/07	29000	27600	–	< 0.20 U	230	< 0.050 U	< 0.050 U	13	1700	–	140	400	260	590	7400
WR-MW-01	06/26/07	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
WR-MW-01	06/26/07	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
WR-MW-01	09/26/07	18000	–	–	–	160	< 0.050 U	< 0.050 U	20 J	1400	0.34	130	290	35	< 25 U	5300
WR-MW-01	09/26/07	17000	–	–	–	160	< 0.050 U	< 0.050 U	30 J	1400	0.36	96	240	45	< 25 U	4300
WR-MW-01	12/13/07	17000	16996	3.2	< 1 U	150	< 0.25 U	–	49	1100	0.37	31	310	29	< 25 U	6600
WR-MW-01	12/13/07	15000	–	–	< 1 U	160	< 0.25 U	–	6.5	1300	0.41	32	330	4 J	25 J	5300
WR-MW-01	03/27/08	–	–	–	< 1 U	120	0.25	< 0.050 U	68	890	0.63	64	300	38	64	11000
WR-MW-01	03/27/08	12000	4700	7300	–	120	0.090	< 0.050 U	51	930	0.39	24	280	38	74	9400
WR-MW-01	10/08/08	14000	–	10	–	130	0.10	< 0.050 U	76	720	0.060	11	270	29	140	12000
WR-MW-01	10/08/08	15000	–	–	–	130	< 0.050 U	< 0.050 U	79	730	0.10	11	240	41	270	9900

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

Analyte:		Iron	Ferric Iron (Fe3+)	Ferrous Iron (Fe2+)	Bromide	Chloride (as Cl)	Nitrate as N	Nitrite as N	Sulfate	Alkalinity, total (as CaCO3)	Sulfide	Total Organic Carbon	Carbon dioxide	Ethane	Ethylene	Methane
Units:		µg/L	µg/L	µg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	ng/L	ng/L	µg/L
Well ID	**Date**															
WR-MW-01	04/09/09	11000	8000	3000	–	150	0.070	< 0.050 U	77	800	0.27	20	240	37	75	9700
WR-MW-01	04/09/09	11000	–	–	–	150	0.080	< 0.050 U	77	800	0.080	19	240	40	68	11000
WR-MW-01	06/24/10	11000	2000	9000	–	150	< 0.050 U	< 0.050 U	100	620	0.080	5.0	230	< 25 U	74	9200
WR-MW-01	06/24/10	11000	2000	9000	–	150	< 0.050 U	< 0.050 U	100	620	0.080	4.9	210	< 25 U	81	10000
WR-MW-01	01/26/11	12000	12000	0	–	–	–	–	110	–	0.12	4.3	120	–	–	5300
WR-MW-01	01/26/11	12000	12000	–	–	–	–	–	110	–	0.14	4.3	140	–	–	6300
WR-MW-01	06/20/11	11000	9400	1600	–	–	–	–	100	–	< 0.040 U	4.9	140	–	–	6200
WR-MW-01	06/20/11	11000	9400	1600	–	–	–	–	100	–	< 0.040 U	4.8	140	–	–	6800
WR-MW-01	01/11/12	11000	7000	4000	–	–	–	–	100	–	< 0.040 U	3.4	150	–	–	3200
WR-MW-01	01/11/12	11000	7000	4000	–	–	–	–	110	–	< 0.040 U	3.3	160	–	–	3500
WR-MW-01	06/26/12	9500	6300	3200	–	–	–	–	110	–	< 0.040 U	2.6	140	–	–	2200
WR-MW-01	06/26/12	9500	6300	3200	–	–	–	–	110	–	< 0.040 U	2.5	160	–	–	2300
WR-MW-01	01/04/13	10000	7000	3000	–	–	–	–	120	–	0.060	3.5	100	–	–	1200
WR-MW-01	01/04/13	9600	6600	3000	–	–	–	–	120	–	0.070	2.8	96	–	–	1400
WR-MW-01	06/25/13	11000	8300	2700	–	–	–	–	110	–	0.12	3.0	150	–	–	1500
WR-MW-01	06/25/13	9700	7000	2700	–	–	–	–	120	–	0.10	3.0	150	–	–	1600
WR-MW-01	12/03/13	12000	7600	4400	–	–	–	–	110	–	0.16	3.3	120	–	–	1400
WR-MW-01	12/03/13	13000	8600	4400	–	–	–	–	110	–	0.18	3.3	130	–	–	1800
WR-MW-01	06/30/14	7900	4300	3600	–	–	–	–	120	–	< 0.040 U	2.7	110	–	–	1300
WR-MW-01	06/30/14	7700	4100	3600	–	–	–	–	120	–	< 0.040 U	2.5	130	–	–	1800
WR-MW-01	11/05/14	4500	1300	3200	–	–	–	–	120	–	< 0.040 U	1.7	77	–	–	1700
WR-MW-01	11/05/14	6800	3600	3200	–	–	–	–	120	–	< 0.040 U	2.0	75	–	–	2100
WR-MW-01B	10/03/02	–	–	–	< 10 U	2600	6.4 J-	< 24 U	150	170	< 0.50 U	< 0.8 U	26	46	56	0.92
WR-MW-01B	10/03/02	–	–	–	< 10 U	2600	6.3	< 24 UJ	150	170	< 0.50 U	< 0.8 U	26	51	59	1.1
WR-MW-01B	02/09/03	–	–	–	0.27	–	–	–	–	–	–	–	–	–	–	–
WR-MW-01B	05/29/03	–	–	–	0.60	–	–	–	–	–	–	–	–	–	–	–
WR-MW-02	07/27/01	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
WR-MW-02	01/03/02	43000	43000	0	–	–	9.5	< 0.50 U	140	220	< 0.40 U	–	14	16	57	0.80
WR-MW-02	04/18/02	2000	2000	0	–	–	11	< 0.20 U	140	220	< 0.50 U	–	18	27	22	0.99
WR-MW-02	04/18/02	2100	–	–	–	–	11	< 0.20 U	140	220	< 0.50 U	–	17	260	210	2.8
WR-MW-02	08/13/02	520	520	0	–	–	13	< 0.20 U	150	210	< 0.50 U	–	17	14	150	0.52
WR-MW-02	04/09/09	7000	–	0	–	–	–	–	–	–	< 0.040 U	3.0	160	< 25 U	21 J	780
WR-MW-02	09/28/09	–	–	–	–	–	–	–	–	–	–	4.0	230	6 J	45	2100
WR-MW-02	07/01/10	710	–	–	–	79	1.5	< 0.050 U	83	760	0.050	2.3	150	< 25 U	32	240

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

Analyte:		Iron	Ferric Iron (Fe3+)	Ferrous Iron (Fe2+)	Bromide	Chloride (as Cl)	Nitrate as N	Nitrite as N	Sulfate	Alkalinity, total (as CaCO3)	Sulfide	Total Organic Carbon	Carbon dioxide	Ethane	Ethylene	Methane
Units:		µg/L	µg/L	µg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	ng/L	ng/L	µg/L
Well ID	**Date**															
WR-MW-02	01/27/11	530	530	0	–	–	–	–	83	–	< 0.040 U	2.3	140	–	–	110
WR-MW-02	06/20/11	130	130	0	–	–	–	–	74	–	< 0.040 U	2.2	140	–	–	370
WR-MW-02	01/11/12	480	480	0	–	–	–	–	75	–	< 0.040 U	2.1	150	–	–	180
WR-MW-02	06/27/12	610	610	0	–	–	–	–	78	–	< 0.040 U	1.9	130	–	–	150
WR-MW-02	01/04/13	520	520	0	–	–	–	–	94	–	0.10	2.0	86	–	–	14
WR-MW-02	06/26/13	1200	1200	0	–	–	–	–	98	–	0.28	3.0	100	–	–	63
WR-MW-02	12/04/13	1500	1500	0	–	–	–	–	120	–	0.040	1.9	47	–	–	0.23
WR-MW-02	07/01/14	280	280	0	–	–	–	–	140	–	< 0.040 U	1.4	46	–	–	4.3
WR-MW-02	11/04/14	140	140	0	–	–	–	–	140	–	< 0.040 U	1.1	45	–	–	13
WR-MW-03	07/27/01	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
WR-MW-03	01/03/02	15000	15000	0	–	–	11	< 0.50 U	150	300	4.4	–	13	25	210	0.53
WR-MW-03	04/18/02	< 300 U	–	–	–	–	12	< 0.20 U	140	300	< 0.50 U	–	–	< 5 U	< 5 U	0.28
WR-MW-03	08/13/02	500	500	0	–	–	13	< 0.20 U	140	310	< 0.50 U	–	19	100	160	0.48
WR-MW-04A	10/03/02	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
WR-MW-04B	10/03/02	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
WR-MW-05A	10/02/02	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
WR-MW-05A	02/12/03	< 100 U	–	–	0.70	180	15	< 0.050 U	150	320	< 0.040 U	< 1 U	–	–	–	–
WR-MW-05A	06/26/03	1000	1000	0	0.66	180	16	< 0.050 U	150	380	0.040 R	1.5	–	–	–	–
WR-MW-05A	08/06/03	630	630	0	0.57	180	15	< 0.050 U	140	320	< 0.040 U	1.3	–	–	–	–
WR-MW-05A	08/06/03	640	–	–	0.57	180	15	< 0.050 U	140	330	< 0.040 U	1.3	–	–	–	–
WR-MW-05A	11/11/03	550	550	0	0.52	160	16	< 0.050 U	160	350	< 0.040 U	1.2	–	–	–	–
WR-MW-05A	02/10/04	–	–	–	0.81	–	–	–	–	–	–	1.2	200	100	< 5 U	15000
WR-MW-05A	02/10/04	–	–	–	0.81	–	–	–	–	–	–	1.1	–	–	–	–
WR-MW-05A	05/25/04	–	–	–	0.86	–	–	–	–	–	–	1.2	–	–	–	–
WR-MW-05A	05/25/04	–	–	–	0.74	–	–	–	–	–	–	1.3	–	–	–	–
WR-MW-05A	09/02/04	420	–	–	0.65	120	7.3	0.44	140	940	0.040 R	3.9	250	130	24	840
WR-MW-05A	12/08/04	< 100 U	–	–	1.5	120	4.8	**1.0**	83	760	< 0.040 U	2.3	170	49	90	3900
WR-MW-05A	03/01/05	< 100 U	–	0	1.8	92	3.1	0.19	70	750	< 0.040 U	3.1	130	< 5 U	44	6400
WR-MW-05A	06/07/05	< 100 U	< 100 U	0	0.31	60	5.1	< 0.050 U	71	470	< 0.040 U	–	100	18 J	< 25 U	7800
WR-MW-05A	06/09/05	–	–	–	–	–	–	–	–	–	–	2.3	–	–	–	–
WR-MW-05A	09/14/05	780	–	1000	0.24	67	0.31	0.18	49	510	0.17	11	97	29	80	7200
WR-MW-05A	09/14/05	810	–	–	0.23	68	0.28	0.16	50	490	0.20	11	95	30	96	7400
WR-MW-05A	12/06/05	1700	–	3000	0.26	73	0.10	< 0.050 U	63	940	< 0.040 U	7.2	510	41	120	4200
WR-MW-05A	03/14/06	8300	–	3600	0.67	100	< 0.050 U	< 0.050 U	32	2300	< 0.040 U	53	490	33	90	4100

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

Analyte:		Iron	Ferric Iron (Fe3+)	Ferrous Iron (Fe2+)	Bromide	Chloride (as Cl)	Nitrate as N	Nitrite as N	Sulfate	Alkalinity, total (as CaCO3)	Sulfide	Total Organic Carbon	Carbon dioxide	Ethane	Ethylene	Methane
Units:		µg/L	µg/L	µg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	ng/L	ng/L	µg/L
Well ID	**Date**															
WR-MW-05A	03/14/06	8700	–	–	0.66	100	< 0.050 U	< 0.050 U	34	1000	0.060	53	480	17 J	81	3700
WR-MW-05A	06/26/06	9800	4800	5000	0.84	120	< 0.050 UJ	< 0.050 UJ	7.9	1200	0.45	70	410	54	66	8400
WR-MW-05A	09/26/06	20000	–	–	–	230	< 0.050 U	0.12	< 0.50 U	1500	< 0.040 U	190	–	–	–	–
WR-MW-05A	12/13/06	17000	–	–	1.1	320	< 0.050 U	< 0.050 U	< 0.050 U	1600	< 0.040 U	170	420	< 25 U	200	7300
WR-MW-05A	03/27/07	22000	19000	3000	–	370	< 0.050 U	< 0.050 U	1.2	1600	< 0.040 U	310	330	160	150	3200
WR-MW-05A	03/27/07	20000	–	–	–	380	< 0.050 U	< 0.050 U	2.1	1600	< 0.040 U	310	320	170	170	3500
WR-MW-05A	06/12/07	24000	20000	4000	1.5	400	< 0.050 U	< 0.050 U	4.1	1700	< 0.30 U	340	460	300	170	8500
WR-MW-05A	09/26/07	26000	–	–	–	540	< 0.050 U	< 0.050 U	< 0.50 U	1600	0.34	350	320	210	39	1900
WR-MW-05A	12/12/07	33000	32997	3	1.6	660	< 0.025 U	–	< 2.5 U	1700	0.64	390	450	160	130	5400
WR-MW-05A	03/27/08	24000	4000	20000	–	390	< 0.10 U	< 0.10 U	2.9	1600	0.36	330	390	420	150	7200
WR-MW-05A	10/08/08	23000	–	< 10 U	–	200	< 0.050 U	< 0.050 U	18	1700	0.15	140	470	210	0.33	6600
WR-MW-05A	04/09/09	4000	4000	0	–	430	8.3	< 0.050 U	100	240	< 0.040 U	1.1	17	50	21 J	78
WR-MW-05A	06/23/10	21000	–	–	–	160	< 0.050 U	< 0.050 U	2.1	1500	< 0.040 U	58	460	140	300	8100
WR-MW-05A	01/26/11	23000	20400	2600	–	–	–	–	2.6	–	0.090	62	250	–	–	1400
WR-MW-05A	06/20/11	16000	12600	3400	–	–	–	–	39	–	0.080	36	250	–	–	10000
WR-MW-05A	01/10/12	12000	6600	5400	–	–	–	–	44	–	< 0.040 U	32	180	–	–	9400
WR-MW-05A	06/26/12	8900	5300	3600	–	–	–	–	23	–	< 0.040 U	24	110	–	–	7700
WR-MW-05A	01/03/13	6900	3700	3200	–	–	–	–	34	–	0.19	19	88	–	–	5700
WR-MW-05A	06/25/13	9100	5900	3200	–	–	–	–	57	–	0.23	15	85	–	–	5000
WR-MW-05A	12/03/13	7500	4600	2900	–	–	–	–	53	–	0.13	14	100	–	–	4900
WR-MW-05A	06/30/14	9500	7100	2400	–	–	–	–	68	–	< 0.040 U	14	140	–	–	2900
WR-MW-05A	11/04/14	12000	8500	3500	–	–	–	–	60	–	< 0.040 U	16	200	–	–	5200
WR-MW-05B	09/30/02	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
WR-MW-05B	02/09/03	–	–	–	0.62	–	–	–	–	–	–	–	–	–	–	–
WR-MW-05B	05/29/03	–	–	–	0.74	–	–	–	–	–	–	–	–	–	–	–
WR-MW-06A	10/03/02	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
WR-MW-06B	09/30/02	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
WR-MW-07A	10/03/02	–	–	–	< 4 U	290	8.8	< 3 U	95	230	< 0.50 U	< 0.8 U	14	11	28	0.46
WR-MW-07A	02/12/03	490 J+	490 J+	0	0.66	210	9.5	< 0.050 U	79	220	< 0.040 U	< 1 U	–	–	–	–
WR-MW-07A	05/28/03	1400	1400	0	0.69	220	9.4	< 0.050 U	70	230	0.12 J-	0.60	–	–	–	–
WR-MW-07A	08/06/03	33000	33000	0	0.56	200	8.5	< 0.050 U	68	210	< 0.040 U	0.92	–	–	–	–
WR-MW-07A	11/11/03	2700	2700	0	0.64	210	8.8	< 0.050 U	74	220	< 0.040 U	1.0	–	–	–	–
WR-MW-07A	02/10/04	–	–	–	0.64	–	–	–	–	–	–	0.84	–	–	–	–
WR-MW-07A	05/24/04	–	–	–	0.65	–	–	–	–	–	–	0.79	–	–	–	–

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

Analyte:		Iron	Ferric Iron (Fe3+)	Ferrous Iron (Fe2+)	Bromide	Chloride (as Cl)	Nitrate as N	Nitrite as N	Sulfate	Alkalinity, total (as CaCO3)	Sulfide	Total Organic Carbon	Carbon dioxide	Ethane	Ethylene	Methane
Units:		µg/L	µg/L	µg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	ng/L	ng/L	µg/L
Well ID	**Date**															
WR-MW-07A	09/03/04	–	–	–	0.69	–	–	–	–	–	–	0.85	–	–	–	–
WR-MW-07A	12/07/04	–	–	–	0.70	–	–	–	–	–	–	0.96	–	–	–	–
WR-MW-07A	03/02/05	–	–	–	0.71	–	–	–	–	–	–	0.88	–	–	–	–
WR-MW-07A	06/07/05	–	–	–	0.69	–	–	–	–	–	–	–	–	–	–	–
WR-MW-07A	06/09/05	–	–	–	–	–	–	–	–	–	–	2.9	–	–	–	–
WR-MW-07A	09/14/05	–	–	–	0.70	–	–	–	–	–	–	0.88	–	–	–	–
WR-MW-07A	12/08/05	–	–	–	0.56	–	–	–	–	–	–	0.82	–	–	–	–
WR-MW-07A	03/14/06	–	–	–	0.46	–	–	–	–	–	–	–	–	–	–	–
WR-MW-07A	06/27/06	–	–	–	0.40	–	–	–	–	–	–	0.66	–	–	–	–
WR-MW-07A	12/13/06	–	–	–	0.41	–	–	–	–	–	–	0.92	–	–	–	–
WR-MW-07A	06/12/07	–	–	–	–	–	–	–	–	–	–	0.75	–	–	–	–
WR-MW-07A	12/13/07	–	–	–	0.50	–	–	–	–	–	–	–	–	–	–	–
WR-MW-08A	10/03/02	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
WR-MW-08A	04/08/09	2200	–	0	–	–	–	–	–	–	< 0.040 U	2.0	77	6 J	46	850
WR-MW-08A	06/24/10	120	120	0	–	96	5.1	< 0.050 U	97	650	< 0.040 U	1.7	94	< 25 U	27	890
WR-MW-08A	01/27/11	180	180	0	–	–	–	–	98	–	< 0.040 U	2.1	75	–	–	210
WR-MW-08A	06/20/11	< 100 U	< 100 U	0	–	–	–	–	90	–	< 0.040 U	2.0	100	–	–	200
WR-MW-08A	01/11/12	370	370	0	–	–	–	–	97	–	< 0.040 U	2.0	93	–	–	44
WR-MW-08A	06/26/12	< 100 U	< 100 U	0	–	–	–	–	100	–	< 0.040 U	1.6	77	–	–	11
WR-MW-08A	01/03/13	160	160	0	–	–	–	–	130	–	< 0.040 U	1.7	73	–	–	76
WR-MW-08A	06/25/13	550	550	0	–	–	–	–	120	–	0.29	2.2	65	–	–	20
WR-MW-08A	12/03/13	270	270	0	–	–	–	–	160	–	< 0.040 U	1.4	26	–	–	0.19
WR-MW-08A	06/30/14	< 100 U	–	700	–	–	–	–	160	–	< 0.040 U	1.1	26	–	–	0.60
WR-MW-08A	11/05/14	1300	1300	0	–	–	–	–	150	–	< 0.040 U	1.1	27	–	–	0.068
WR-MW-09A	10/03/02	–	–	–	< 4 U	190	20	< 3 U	150	310	< 0.50 U	1.0	12	28	34	0.57
WR-MW-09A	02/12/03	510 J+	510 J+	0	0.84	160	21	< 0.050 U	150	320	< 0.040 U	< 1 U	–	–	–	–
WR-MW-09A	06/26/03	1500	–	–	0.76	160	22	< 0.050 U	160	340	0.040 R	3.6	–	–	–	–
WR-MW-09A	08/06/03	1000	–	–	0.64	140	21	< 0.050 U	150	370	< 0.040 U	1.6	–	–	–	–
WR-MW-09A	11/11/03	870	870	–	0.66	140	21	0.070	160	420	< 0.040 U	1.8	–	–	–	–
WR-MW-09A	02/10/04	–	–	–	0.57	–	–	–	–	–	–	1.2	–	–	–	–
WR-MW-09A	05/25/04	–	–	–	0.57	–	–	–	–	–	–	1.2	–	–	–	–
WR-MW-09A	09/02/04	320	–	–	0.61	110	12	**2.2**	130	520	0.040 R	2.0	80	74	63	1800
WR-MW-09A	12/08/04	< 100 U	< 100 U	–	0.61	110	9.8	**2.4**	140	780	< 0.040 U	1.4	150	7.6	38	1700
WR-MW-09A	12/08/04	270	–	–	0.62	130	12	**2.2**	130	520	< 0.040 U	1.4	130	11	37	1200

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

Analyte:		Iron	Ferric Iron (Fe3+)	Ferrous Iron (Fe2+)	Bromide	Chloride (as Cl)	Nitrate as N	Nitrite as N	Sulfate	Alkalinity, total (as CaCO3)	Sulfide	Total Organic Carbon	Carbon dioxide	Ethane	Ethylene	Methane
Units:		µg/L	µg/L	µg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	ng/L	ng/L	µg/L
Well ID	**Date**															
WR-MW-09A	03/01/05	< 100 U	–	–	1.1	110	9.6	0.94	140	760	0.060	1.9	170	< 5 U	29	3100
WR-MW-09A	06/07/05	< 100 U	< 100 U	0	0.98	94	11	0.71	130	610	< 0.040 U	–	120	50	15 J	4000
WR-MW-09A	06/09/05	–	–	–	–	–	–	–	–	–	–	2.0	–	–	–	–
WR-MW-09A	09/14/05	250	–	500	1.3	120	8.1	**1.4**	130	920	< 0.040 U	4.2	290	4 J	17 J	4100
WR-MW-09A	12/06/05	270	–	–	0.73	130	4.9	**2.4**	140	1100	< 0.040 U	2.1	460	13 J	15 J	4200
WR-MW-09A	12/06/05	270	–	–	0.73	130	4.9	**2.5**	140	1200	< 0.040 U	2.0	490	15 J	16 J	5200
WR-MW-09A	03/14/06	1200	200	1000	0.71	130	4.1	**1.8**	140	1100	< 0.040 U	1.5	500	32	22 J	5600
WR-MW-09A	06/12/06	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
WR-MW-09A	06/26/06	5500	1300	4200	0.58	140	0.19 J	< 0.050 UJ	51	1200	0.85	200	440	26	40	8800
WR-MW-09A	06/29/06	–	–	–	–	–	–	–	–	–	–	190	–	–	–	–
WR-MW-09A	09/26/06	7900	–	–	–	150	< 0.050 U	< 0.050 U	31	1400	0.77	69	300	11 J	32	8300
WR-MW-09A	12/13/06	6400	–	–	0.82	140	< 0.050 U	< 0.050 U	63	1300	1.2	14	390	< 25 U	73	7900
WR-MW-09A	03/27/07	10000	5800	4200	–	160	< 0.050 U	< 0.050 U	96	1300	0.090	10	420	38	62	8700
WR-MW-09A	07/12/07	13000	9500	3500	1.5	180	< 0.050 U	< 0.050 U	130	1400	0.15	7.4	420	25 J	88	8900
WR-MW-09A	09/26/07	13000	–	–	–	190	< 0.050 U	< 0.050 U	110	1400	0.23	11	460	25 J	< 25 U	5500
WR-MW-09A	12/12/07	12000	8000	4000	1.1	200	< 0.050 U	–	130	1300	0.16	11	460	< 25 U	29	7800
WR-MW-09A	03/27/08	13000	5900	7100	–	210	< 0.050 U	< 0.050 U	130	1300	0.080	10	420	42	76	9000
WR-MW-09A	10/08/08	9000	2000	7000	–	180	< 0.050 U	< 0.050 U	130	1300	< 0.040 U	8.7	490	39	120	7900
WR-MW-09A	04/09/09	12000	9000	3000	–	190	0.14	< 0.050 U	140	1400	< 0.040 U	6.1	290	17 J	42	3300
WR-MW-09A	06/24/10	890	–	9000	–	230	< 0.050 U	< 0.050 U	110	1500	< 0.040 U	38	440	< 25 U	80	2000
WR-MW-09A	01/26/11	11000	11000	0	–	–	–	–	74	–	< 0.040 U	49	420	–	–	3000
WR-MW-09A	06/20/11	10000	8000	2000	–	–	–	–	59	–	0.050	63	350	–	–	1400
WR-MW-09A	01/10/12	11000	6600	4400	–	–	–	–	33	–	< 0.040 U	47	270	–	–	1200
WR-MW-09A	06/26/12	9900	5900	4000	–	–	–	–	43	–	< 0.040 U	61	320	–	–	2400
WR-MW-09A	01/03/13	10000	6200	3800	–	–	–	–	47	–	0.19	57	270	–	–	2300
WR-MW-09A	01/13/13	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
WR-MW-09A	06/25/13	11000	9200	1800	–	–	–	–	68	–	0.14	50	340	–	–	2900
WR-MW-09A	12/03/13	12000	6600	5400	–	–	–	–	76	–	0.070	51	310	–	–	2700
WR-MW-09A	06/30/14	8400	6100	2300	–	–	–	–	23	–	0.040	53	290	–	–	5800
WR-MW-09A	11/04/14	9300	5600	3700	–	–	–	–	31	–	< 0.040 U	42	180	–	–	1600
WR-MW-10A	12/06/05	2300	2300	0	0.84	170	13	0.18	150	490	< 0.040 U	1.7	66	20 J	21 J	89
WR-MW-10A	03/14/06	–	–	–	–	–	–	–	–	–	–	2.0	–	–	–	–
WR-MW-10A	09/25/06	–	–	–	–	–	–	–	–	–	–	1.5	–	–	–	–
WR-MW-10A	12/13/06	1100	–	–	–	180	11	< 0.050 U	150	560	–	1.5	120	< 25 U	47	9400

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

Analyte:		Iron	Ferric Iron (Fe3+)	Ferrous Iron (Fe2+)	Bromide	Chloride (as Cl)	Nitrate as N	Nitrite as N	Sulfate	Alkalinity, total (as CaCO3)	Sulfide	Total Organic Carbon	Carbon dioxide	Ethane	Ethylene	Methane
Units:		µg/L	µg/L	µg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	ng/L	ng/L	µg/L
Well ID	**Date**															
WR-MW-10A	03/26/07	–	–	–	–	–	–	–	–	–	–	2.0	–	–	–	–
WR-MW-10A	09/25/07	–	–	–	–	–	–	–	–	–	–	2.4	–	–	–	–
WR-MW-10A	12/13/07	–	–	–	–	–	–	–	–	–	–	2.0	220	6 J	14 J	2900
WR-MW-10A	03/28/08	–	–	–	–	–	–	–	–	–	–	2.0	–	–	–	–
WR-MW-10A	10/08/08	–	–	–	–	–	–	–	–	–	–	2.0	–	–	–	–
WR-MW-10A	04/08/09	1500	–	2000	–	180	0.070	< 0.050 U	92	920	< 0.040 U	6.7	250	14 J	50	2300
WR-MW-10A	09/28/09	–	–	–	–	–	–	–	–	–	–	5.4	310	11 J	54	1200
WR-MW-10A	06/24/10	1200	–	–	–	240	< 0.050 U	< 0.050 U	99	1100	< 0.040 U	2.3	270	< 25 U	30	420
WR-MW-10A	01/27/11	2700	1700	1000	–	–	–	–	93	–	< 0.040 U	2.9	250	–	–	92
WR-MW-10A	06/21/11	1500	500	1000	–	–	–	–	86	–	0.090	2.8	210	–	–	190
WR-MW-10A	01/11/12	15000	14000	1000	–	–	–	–	94	–	< 0.040 U	1.7	200	–	–	320
WR-MW-10A	06/27/12	2300	1400	900	–	–	–	–	98	–	< 0.040 U	1.3	140	–	–	260
WR-MW-10A	01/04/13	2800	1800	1000	–	–	–	–	180	–	< 0.040 U	1.6	110	–	–	200
WR-MW-10A	06/26/13	1800	1800	0	–	–	–	–	100	–	0.29	2.0	120	–	–	170
WR-MW-10A	12/04/13	1100	900	200	–	–	–	–	95	–	0.040	1.8	68	–	–	190
WR-MW-10A	07/01/14	260	110	150	–	–	–	–	93	–	< 0.040 U	1.5	70	–	–	210
WR-MW-10A	11/05/14	3700	3700	0	–	–	–	–	76	–	< 0.040 U	2.2	74	–	–	320
WR-MW-11A	04/08/09	490	490	0	–	220	4.8	< 0.050 U	110	850	< 0.040 U	1.9	140	6 J	16 J	86
WR-MW-11A	09/28/09	–	–	–	–	–	–	–	–	–	–	1.6	210	< 0.025 U	0.20 J	74
WR-MW-11A	06/24/10	< 100 U	< 100 U	0	–	180	6.8	< 0.050 U	130	740	0.16	4.1	160	< 25 U	< 25 U	0.59
WR-MW-11A	01/27/11	< 100 U	< 100 U	0	–	–	–	–	130	–	< 0.040 U	1.5	130	–	–	320
WR-MW-11A	06/21/11	< 100 U	< 100 U	0	–	–	–	–	110	–	< 0.040 U	1.4	110	–	–	310
WR-MW-11A	01/11/12	< 100 U	< 100 U	0	–	–	–	–	110	–	< 0.040 U	1.3	120	–	–	380
WR-MW-11A	06/26/12	< 100 U	< 100 U	0	–	–	–	–	120	–	< 0.040 U	1.1	130	–	–	380
WR-MW-11A	01/03/13	< 100 U	< 100 U	0	–	–	–	–	130	–	< 0.040 U	1.6	94	–	–	160
WR-MW-11A	06/25/13	< 100 U	< 100 U	0	–	–	–	–	120	–	0.050	2.0	110	–	–	270
WR-MW-11A	12/03/13	< 100 U	< 100 U	0	–	–	–	–	110	–	< 0.040 U	2.0	87	–	–	85
WR-MW-11A	07/01/14	< 100 U	< 100 U	0	–	–	–	–	110	–	< 0.040 U	1.4	110	–	–	120
WR-MW-11A	11/05/14	< 100 U	< 100 U	0	–	–	–	–	110	–	< 0.040 U	1.1	100	–	–	91
WR-MW-12A	12/06/05	1400	1400	0	0.55	140	13	< 0.050 U	160	360	< 0.040 U	1.5	35	8 J	20 J	0.69
WR-MW-12A	03/14/06	–	–	–	–	–	–	–	–	–	–	1.5	140	8 J	20 J	0.69
WR-MW-12A	06/27/06	–	–	–	–	–	–	–	–	–	–	1.3	140	8 J	36	8100
WR-MW-12A	09/26/06	–	–	–	–	–	–	–	–	–	–	1.4	140	8 J	36	8100
WR-MW-12A	12/13/06	120	–	–	–	130	6.3	0.25	140	680	< 0.040 U	1.4	260	< 0.25 U	29	8600

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

Analyte:		Iron	Ferric Iron (Fe3+)	Ferrous Iron (Fe2+)	Bromide	Chloride (as Cl)	Nitrate as N	Nitrite as N	Sulfate	Alkalinity, total (as CaCO3)	Sulfide	Total Organic Carbon	Carbon dioxide	Ethane	Ethylene	Methane
Units:		µg/L	µg/L	µg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	ng/L	ng/L	µg/L
Well ID	**Date**															
WR-MW-12A	12/13/06	150	–	–	–	140	5.0	0.31	150	730	< 0.040 U	1.5	260	< 0.25 U	17 J	8200
WR-MW-12A	03/26/07	–	–	–	–	–	–	–	–	–	–	1.9	–	–	–	–
WR-MW-12A	06/11/07	–	–	–	–	–	–	–	–	–	–	–	290	26	94	5600
WR-MW-12A	09/25/07	–	–	–	–	–	–	–	–	–	–	2.3	–	–	–	–
WR-MW-12A	12/13/07	–	–	–	–	–	–	–	–	–	–	1.8	340	< 25 U	21 J	4500
WR-MW-12A	12/13/07	–	–	–	–	–	–	–	–	–	–	3.3	–	–	–	–
WR-MW-12A	10/08/08	–	–	–	–	–	–	–	–	–	–	2.7	–	–	–	–
WR-MW-12A	04/08/09	1800	–	–	–	180	0.11	< 0.050 U	130	1200	< 0.040 U	3.0	420	37	43	6100
WR-MW-12A	08/28/09	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
WR-MW-12A	09/28/09	–	–	–	–	–	–	–	–	–	–	2.5	450	6 J	51	5900
WR-MW-12A	06/24/10	2400	–	4000	–	150	< 0.050 U	< 0.050 U	94	980	< 0.040 U	4.7	420	< 25 U	67	1500
WR-MW-12A	01/27/11	2400	–	3000	–	–	–	–	110	–	< 0.040 U	6.3	330	–	–	1200
WR-MW-12A	06/21/11	2000	0	2000	–	–	–	–	3.1	–	< 0.040 U	6.7	230	–	–	130
WR-MW-12A	01/11/12	2000	0	2000	–	–	–	–	92	–	< 0.040 U	4.1	280	–	–	460
WR-MW-12A	06/27/12	1700	–	1900	–	–	–	–	100	–	< 0.040 U	2.9	170	–	–	210
WR-MW-12A	01/04/13	1800	0	1800	–	–	–	–	120	–	0.10	2.9	130	–	–	140
WR-MW-12A	06/26/13	1100	1100	0	–	–	–	–	130	–	0.090	2.8	120	–	–	84
WR-MW-12A	12/04/13	1000	0	1000	–	–	–	–	120	–	< 0.040 U	3.1	130	–	–	160
WR-MW-12A	07/01/14	1000	50	950	–	–	–	–	110	–	< 0.040 U	2.9	120	–	–	98
WR-MW-12A	11/05/14	840	440	400	–	–	–	–	110	–	< 0.040 U	2.7	120	–	–	240

Notes:

<= Not detected above indicated limit

µg/L= micrograms per liter

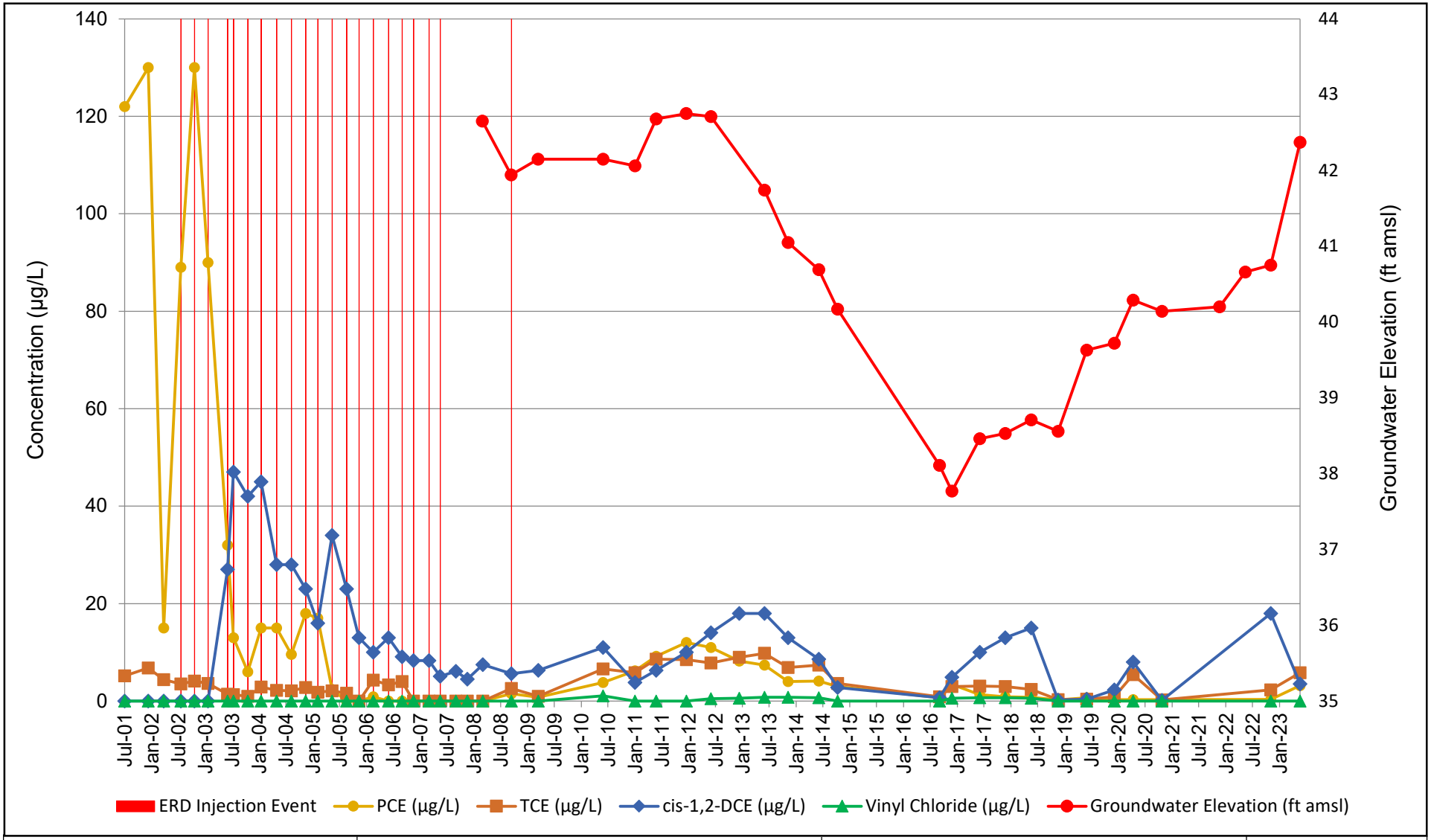
J= Estimated value; (+) high bias (-) low bias

N/A= not applicable

U= Not detected at or above limit of detection

UJ = estimated not detected

Appendix C. Time-Series Plots

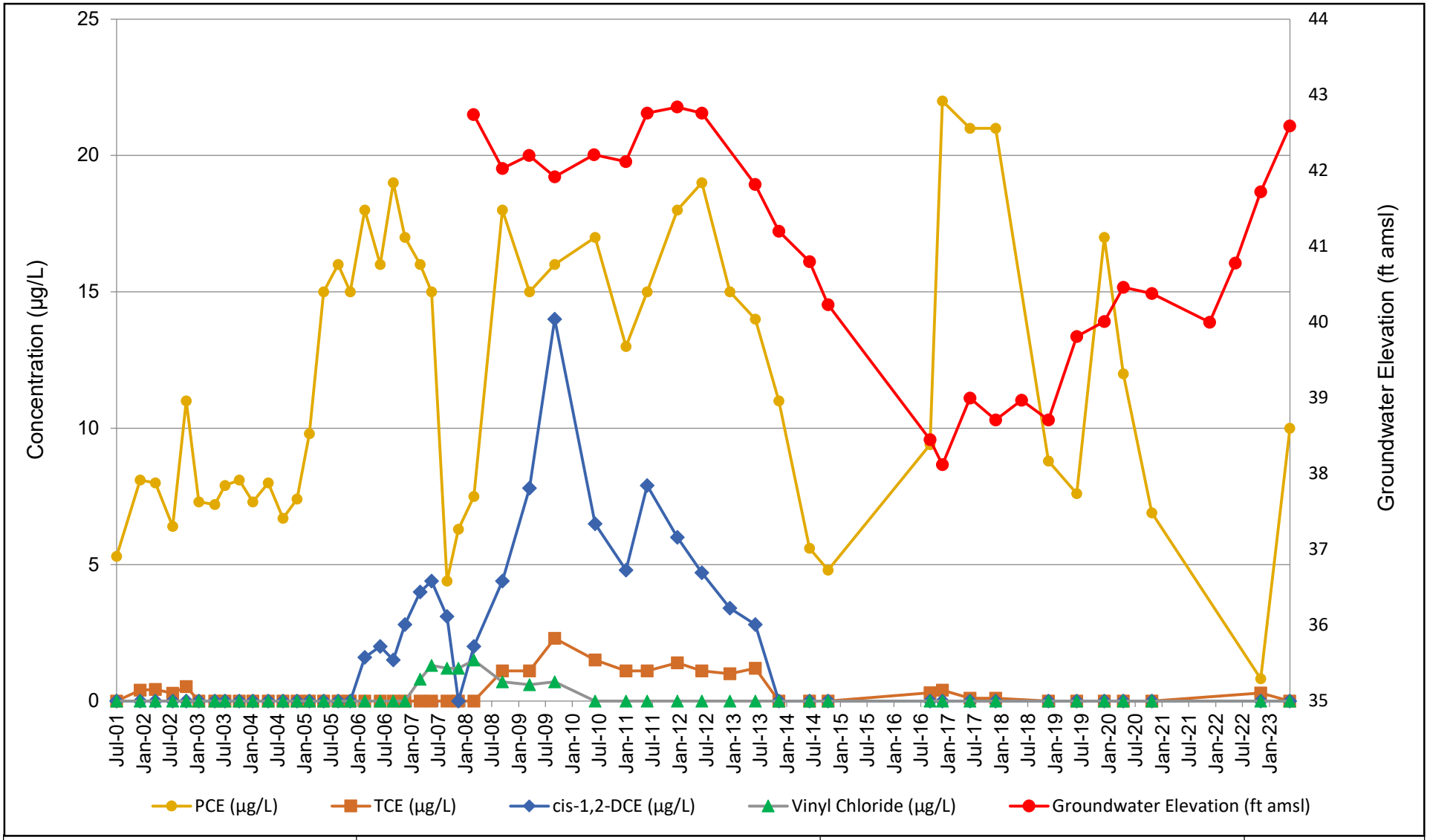


Ahtna

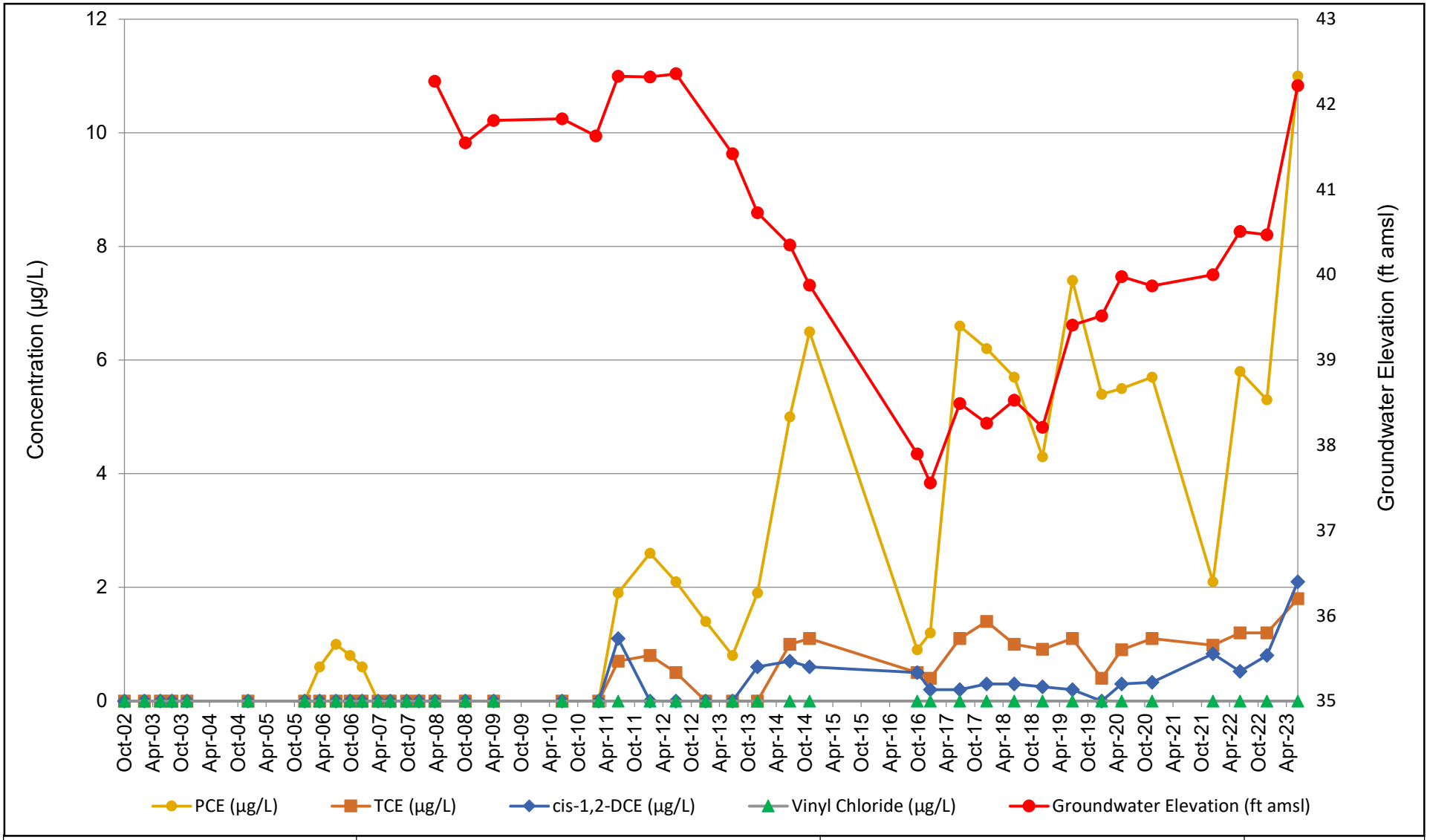
2023 First Semiannual
Groundwater Monitoring Report, Washrack Site
Former United States Disciplinary Barracks
Lompoc, California

Time-Series Plots
WR-MW-01

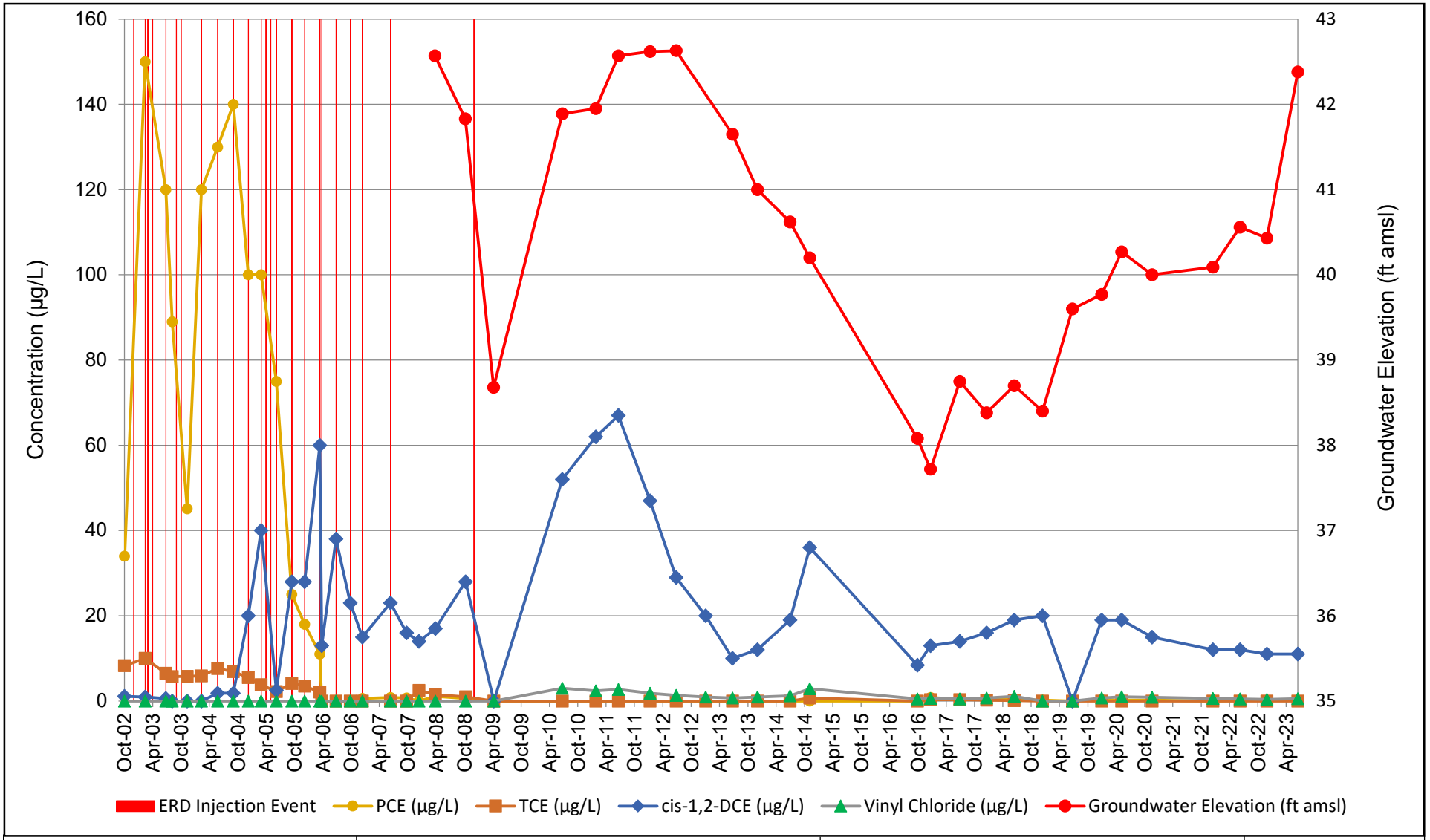
FIGURE
C-1



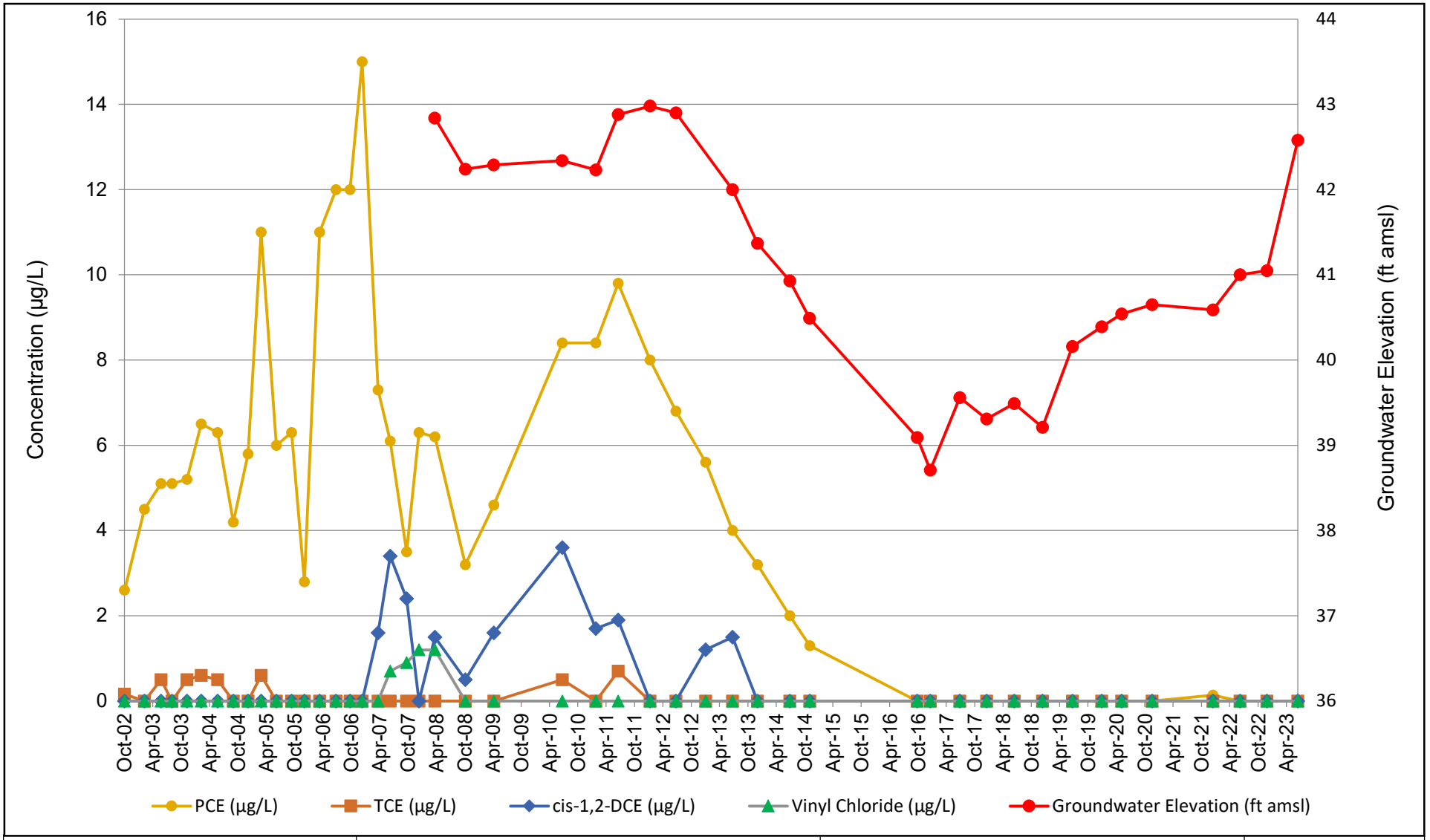
Ahtna	2023 First Semiannual Groundwater Monitoring Report, Washrack Site Former United States Disciplinary Barracks Lompoc, California	**Time-Series Plots** **WR-MW-02**	FIGURE **C-2**



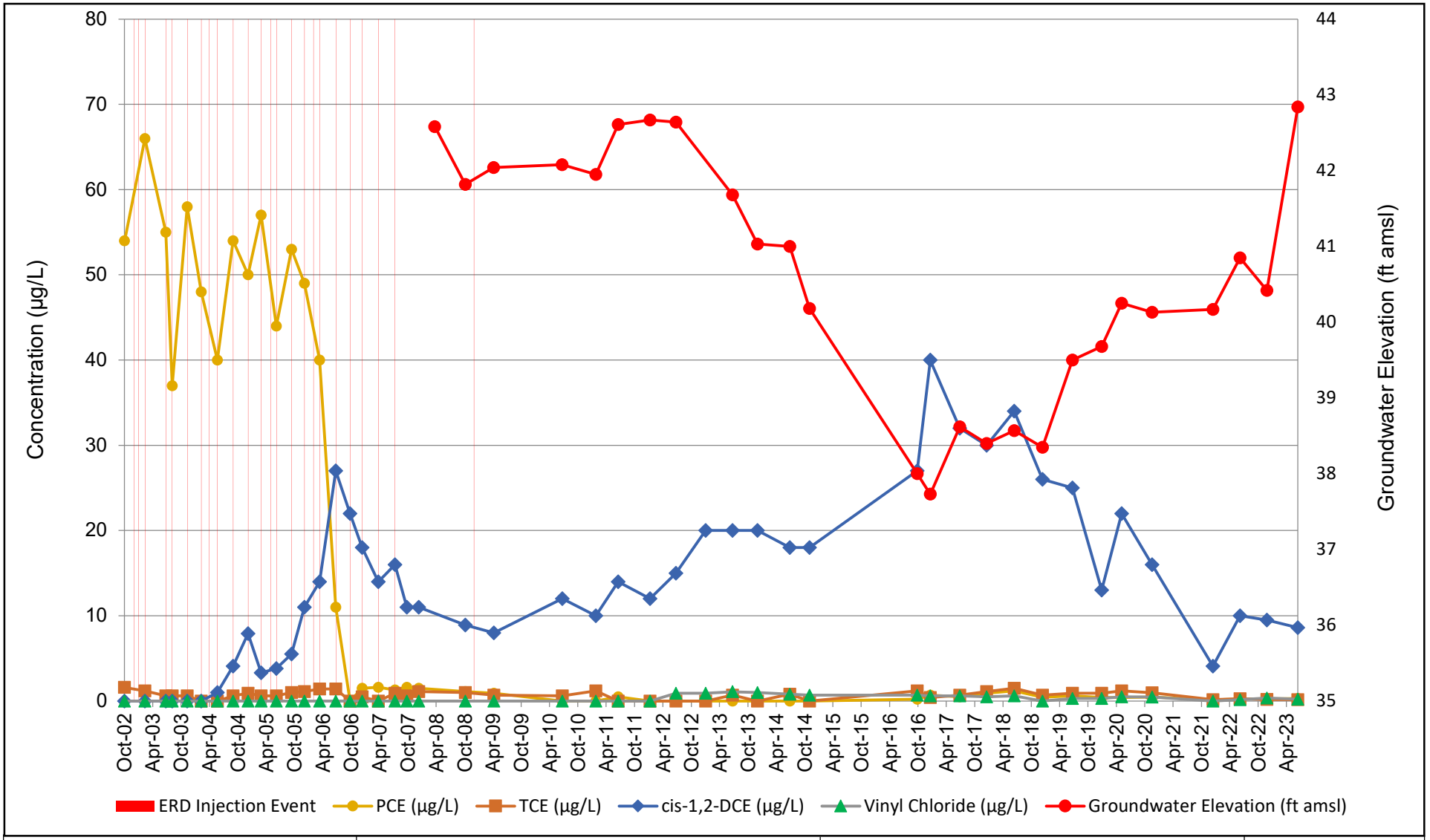
Ahtna	2023 First Semiannual Groundwater Monitoring Report, Washrack Site Former United States Disciplinary Barracks Lompoc, California	**Time-Series Plots** **WR-MW-04A**	FIGURE **C-3**



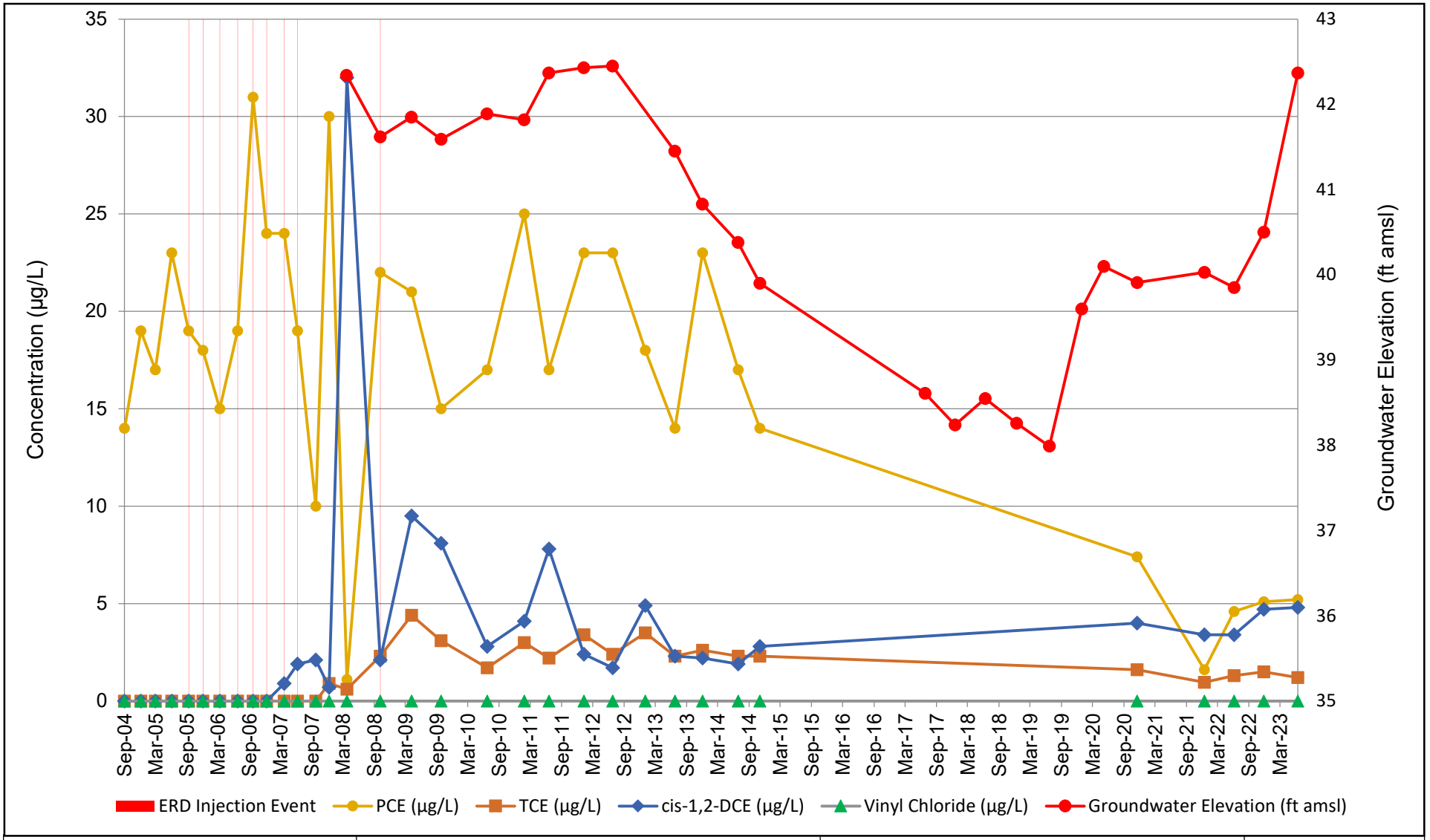
Ahtna	2023 First Semiannual Groundwater Monitoring Report, Washrack Site Former United States Disciplinary Barracks Lompoc, California	**Time-Series Plots** **WR-MW-05A**	FIGURE **C-4**



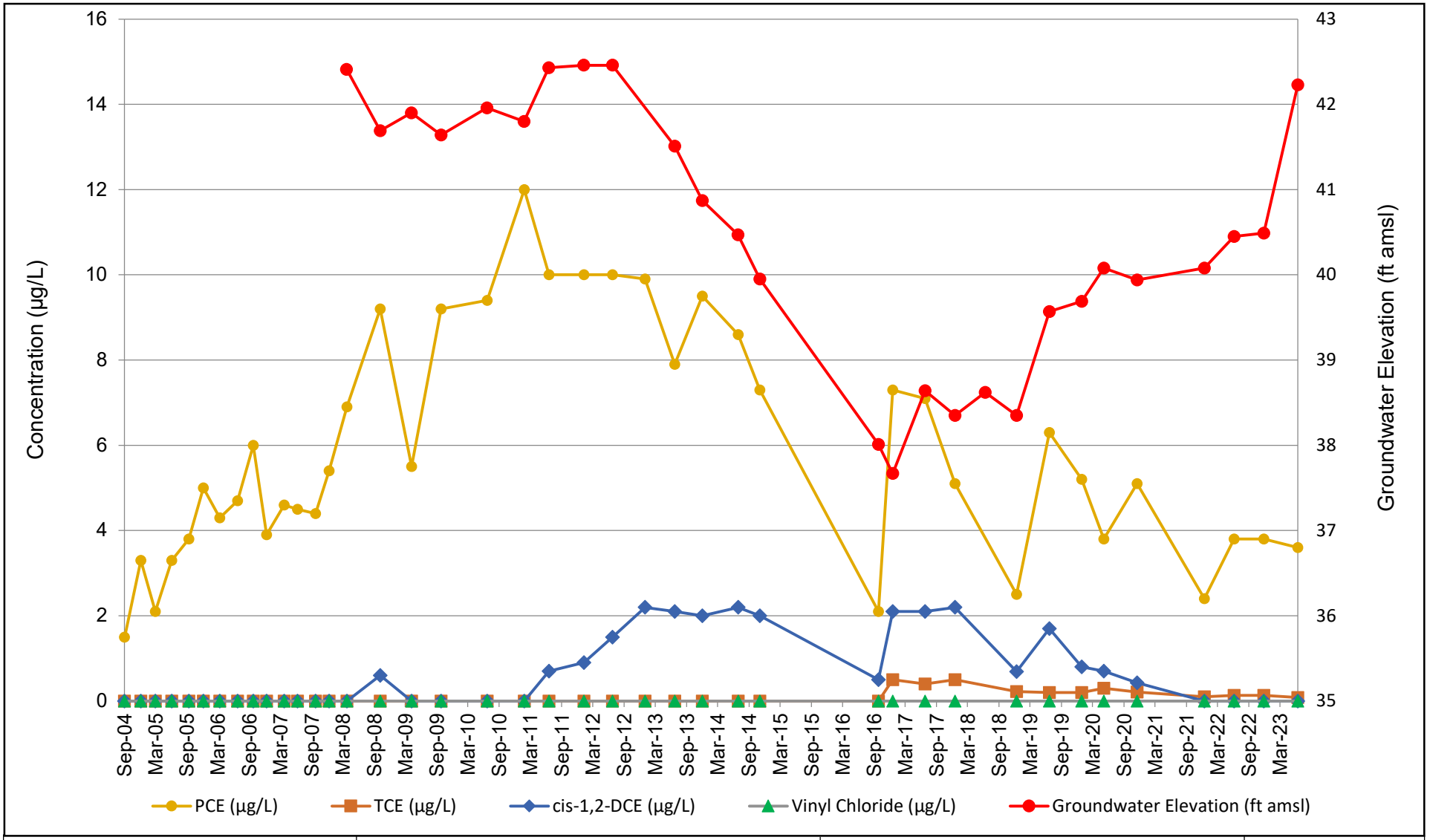
Ahtna	2023 First Semiannual Groundwater Monitoring Report, Washrack Site Former United States Disciplinary Barracks Lompoc, California	**Time-Series Plots** **WR-MW-08A**	FIGURE **C-5**



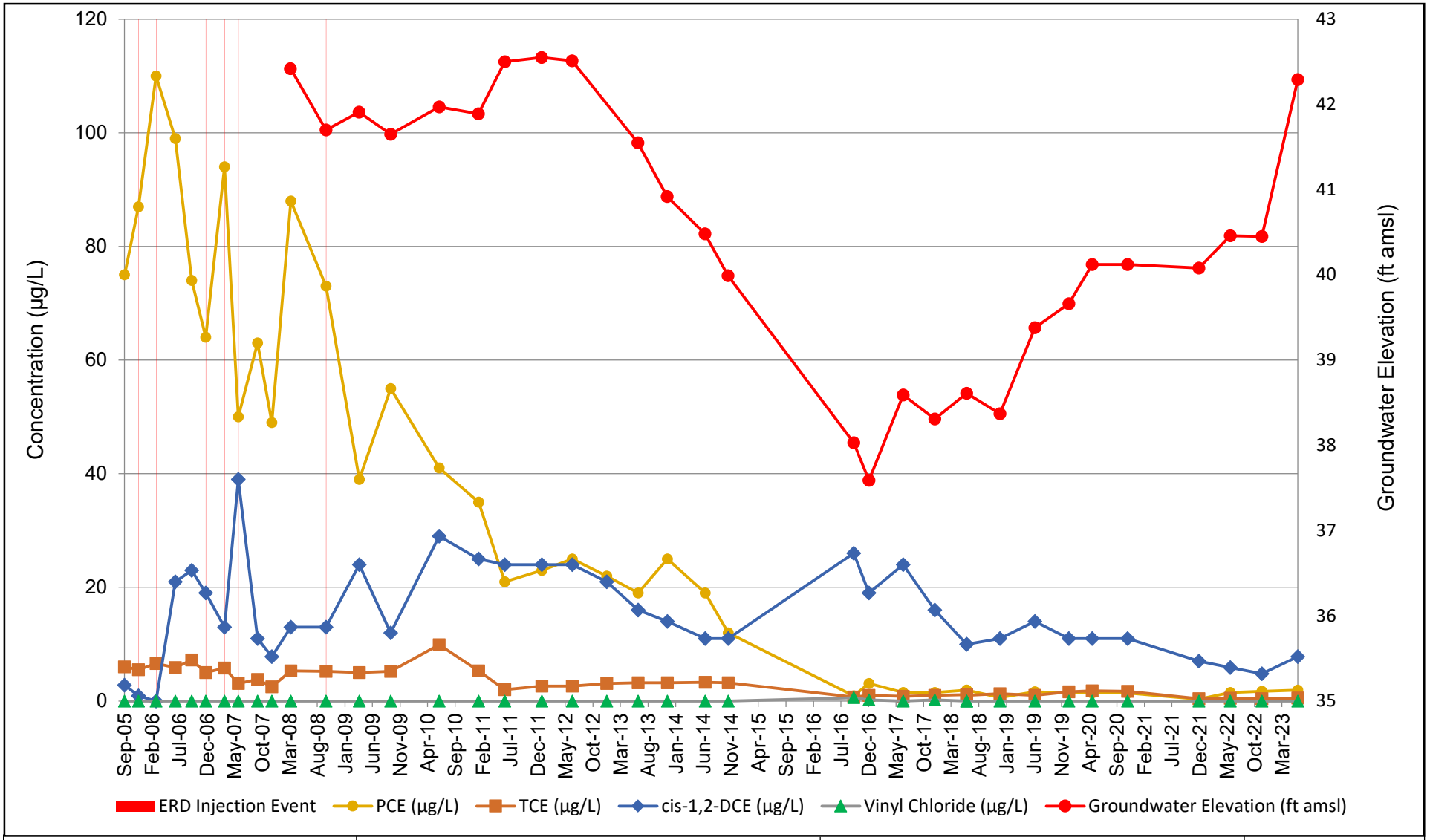
Ahtna	2023 First Semiannual Groundwater Monitoring Report, Washrack Site Former United States Disciplinary Barracks Lompoc, California	**Time-Series Plots** **WR-MW-09A**	FIGURE **C-6**



Ahtna	2023 First Semiannual Groundwater Monitoring Report, Washrack Site Former United States Disciplinary Barracks Lompoc, California	**Time-Series Plots** **WR-MW-10A**	FIGURE **C-7**



Ahtna	2023 First Semiannual Groundwater Monitoring Report, Washrack Site Former United States Disciplinary Barracks Lompoc, California	**Time-Series Plots** **WR-MW-11A**	FIGURE **C-8**



Ahtna	2023 First Semiannual Groundwater Monitoring Report, Washrack Site Former United States Disciplinary Barracks Lompoc, California	**Time-Series Plots** **WR-MW-12A**	FIGURE **C-9**

Attachments

Attachment 1. Laboratory Report

Pace Analytical®
ENVIRONMENTAL SCIENCES

Work Order Number: 2311827

Laboratory Documentation Requirements
For Data Validation of
Volatiles Analysis

Prepared By
Pace Analytical - Bakersfield

For Ahtna Global, LLC

21044.006.01.000

Table of Contents

Table of Contents

Case Narrative

Sample Receipt

Work Order: 2311827
COC Number:
Default Cooler was received at 3.5 °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

Detection and quantitation limits were raised due to matrix interference.

Lab Number	Method	Analyte
2311827-08RE1	EPA-8260C	Acetone
2311827-10RE1	EPA-8260C	Acetone

Holding Times

All holding time requirements were met.

Method Blanks

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

Calibration

Initial calibration criteria for respective analysis were met. Frequency criteria for initial and continuing calibrations were met. Accuracy criteria for initial and continuing calibrations were met.

Matrix Spikes

Source Samples Used For QC

Batch	Method	Source Lab Number	Client Sample Name
B168556	EPA-8260C	2311827-05	MW08A-0623-N

Matrix spike precision is not within the control limits.

Lab Number	Method	Analyte
B168556-MSD1	EPA-8260C	Acetone

LCS / LCSD

The relative percent difference between the Laboratory Control Sample Water (LCSW) and the LCSW Duplicate exceeds the control limit.

Lab Number	Method	Analyte
B168556-BSD1	EPA-8260C	Chloromethane
B168556-BSD1	EPA-8260C	Vinyl chloride

Pace Analytical
ENVIRONMENTAL SCIENCES
Bakersfield, CA

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

CHAIN OF CUSTODY

2311827

tody #: USDB-01

Project Information:

Project Location: Lompoc, CA
Sampler/s: S. Korbay/A. Mauck
Project Name: Former USDB Lompoc
Report To: Sommer Carter (925-357-0750), Connor Dunn (925-357-0888), Leslie Davis (907-301-6992), lab@ahtna.net
Project Number: 21044.006.01.000
E-Mail: scarter@ahtna.net; cdunn@ahtna.net; ldavis@ahtna.net; lab@ahtna.net
Sampling Event: 2023 First Semiannual Event
Laboratory: PACE Analytical
23-11827

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

Lab Number	Sample Number/Description	Sample Collection: Date	Sample Collection: Time	Matrix: Water	Soil	Other	Total # of Bottles	Number of Preserved Bottles: HCl	HNO_3	H_2SO_4	NaOH	MeOH	$NaHSO_4$	None	Other	8260C - VOCs	Notes
1	MW01-0623-N	06/15/2023	1055	x			3	3								x	
2	MW02-0623-N	06/15/2023	0945	x			2	2								x	
3	MW04A-0623-N	06/15/2023	0752	x			3	3								x	
4	MW05A-0623-N	06/15/2023	0835	x			3	3								x	
5	MW08A-0623-N	06/15/2023	0935	x			9	9								x	MS/MSD
6	MW09A-0623-N	06/15/2023	0913	x			3	3								x	
7	MW10A-0623-N	06/15/2023	0805	x			3	3								x	
8	MW11A-0623-N	06/15/2023	0820	x			3	3								x	
9	MW12A-0623-N	06/15/2023	0852	x			3	3								x	
10	MW12A-0623-D	06/15/2023	0855	x			3	3								x	
11	MW01-0623-FB	06/15/2023	1105	x			3	3								x	
12	MW04-0623-T	06/15/2023	0755	x			2	2								x	

CHK BY
DISTRIBUTION
SUB OUT

Turnaround Time: X : Standard ____ : 3-5 Day Rush ____ : 48 Hour Rush ____ : 24 Hour Rush
Shipment Method: FedEx Tracking ID:
Comments: Report project-specific analyte list

Chain of Custody Tracking:

Relinquished By Sampler:	Date/Time: 6/15/23 1130	Received By:	Date/Time: 6/16/23 108
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 2311827 Page 2 of 3

PACE ANALYTICAL — COOLER RECEIPT FORM — Page 1 Of 2

Submission #: 23-11827

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 ☑ (FROZEN) Description(s) match COC? Yes ☑ No ☐

COC Received ☑ YES ☐ NO

Emissivity: 0.97 Container: NA Thermometer ID: 337

Temperature: (A) 3.5 °C / (C) 3.5 °C

Date/Time 6.16.23

Analyst Init: SMH 1018

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										
PT PHENOLICS										
40ml VOA VIAL TRAVEL BLANK										
40ml VOA VIAL	A-C	A,B	A-C	A-C	A-C	A-C	A-C	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: 42B received broken

Sample Numbering Completed By: TODD C Date/Time: 6.16.23 1300

A = Actual / C = Corrected

Rev 23 05/20/22

Chain of Custody and Cooler Receipt Form for 2311827 Page 3 of 3

PACE ANALYTICAL — COOLER RECEIPT FORM — Page 2 of 2

Submission #: 23-11827

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: 0.97 Container: NA Thermometer ID: 337

Temperature: (A) 3.5 °C / (C) 3.5 °C

Date/Time 6.16.23

Analyst Init SMH 1018

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										
PIA PHENOLICS										
40ml VOA VIAL TRAVEL BLANK		A,B								
40ml VOA VIAL	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 527										
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: -12 B Bacic

Sample Numbering Completed By: TODD C Date/Time: 5-16-23 1300

A = Actual / C = Corrected

ECV 23 05/2022

Ahtna Global, LLC	Reported: 7/10/2023 3:19:04PM
110 W. 38th Ave, Suite 200A	Project: Former USDB Lompoc
Anchorage, ALASKA 99503	Project Number: 21044.006.01.000
	Project Manager: Sommer Carter

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

SDG: **2311827**
Class: **VOA**
Method: **EPA-8260C**

Pace Analytical Bakersfield, CA

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

Reported: 7/10/2023 3:19:04PM
Project: Former USDB Lompoc
Project Number: 21044.006.01.000
Project Manager: Sommer Carter

ANALYSES DATA PACKAGE COVER PAGE

EPA-8260C

Laboratory: Pace Analytical - Bakersfield
Client: Ahtna Global, LLC $AHTT
SDG: 2311827
Project: Former USDB Lompoc

Client Sample Id:	Lab Sample Id:
MW01-0623-N	2311827-01
MW02-0623-N	2311827-02
MW04A-0623-N	2311827-03
MW05A-0623-N	2311827-04
MW08A-0623-N	2311827-05
MW09A-0623-N	2311827-06
MW10A-0623-N	2311827-07
MW11A-0623-N	2311827-08
MW11A-0623-N	2311827-08RE1
MW12A-0623-N	2311827-09
MW12A-0623-D	2311827-10
MW12A-0623-D	2311827-10RE1
MW01A-0623-FB	2311827-11
MW10A-0623-T	2311827-12

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

Signature: 
Name: Stuart Buttram

Date: 07-10-2023
Title: Operations Manager

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

Reported: 7/10/2023 3:19:04PM
Project: Former USDB Lompoc
Project Number: 21044.006.01.000
Project Manager: Sommer Carter

METHOD DETECTION AND REPORTING LIMITS

EPA-8260C

Laboratory: Pace Analytical - Bakersfield
SDG: 2311827
Client: Ahtna Global, LLC $AHTT
Project: Former USDB Lompoc
Matrix: Water
Instrument: MS-V5

Analyte	DL	LOD	LOQ	Units
Benzene	0.063	0.16	0.50	ug/L
Bromodichloromethane	0.064	0.30	0.50	ug/L
Bromoform	0.15	0.30	0.60	ug/L
Chloroform	0.050	0.16	0.50	ug/L
Chloromethane	0.075	0.16	0.50	ug/L
Dibromochloromethane	0.083	0.16	0.50	ug/L
1,1-Dichloroethene	0.070	0.20	0.50	ug/L
cis-1,2-Dichloroethene	0.085	0.16	0.50	ug/L
trans-1,2-Dichloroethene	0.050	0.16	0.50	ug/L
Methyl t-butyl ether	0.055	0.16	0.50	ug/L
Tetrachloroethene	0.077	0.30	0.50	ug/L
Toluene	0.055	0.16	0.50	ug/L
1,1,1-Trichloroethane	0.051	0.16	0.50	ug/L
Trichloroethene	0.065	0.16	0.50	ug/L
Vinyl chloride	0.097	0.16	0.50	ug/L
Total Xylenes	0.20	0.46	1.0	ug/L
Acetone	3.5	8.0	10	ug/L
Methyl ethyl ketone	2.1	3.0	10	ug/L

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

Reported: 7/10/2023 3:19:04PM
Project: Former USDB Lompoc
Project Number: 21044.006.01.000
Project Manager: Sommer Carter

ORGANIC ANALYSIS DATA SHEET
EPA-8260C

MW01-0623-N

Laboratory: Pace Analytical - Bakersfield
SDG: 2311827
Client: Ahtna Global, LLC $AHTT
Project: Former USDB Lompoc
Matrix: Water
Laboratory ID: 2311827-01
File ID: 21JUN50.D
Sampled: 06/15/23 10:55
Prepared: 06/21/23 11:46
Analyzed: 06/22/23 01:31
Solids:
Preparation: EPA 5030 Water MS
Initial/Final: 25 ml / 25 ml
Batch: B168556
Sequence: 2309244
Calibration: 2306027
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	3.5	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	3.2	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	5.8	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	10.720	107	81 - 118	
Toluene-d8 (Surrogate)	10.000	9.7000	97.0	89 - 112	
4-Bromofluorobenzene (Surrogate)	10.000	9.9300	99.3	85 - 114	

INTERNAL STANDARD	AREA	RT	REF AREA	REF RT	Q
Pentafluorobenzene (IS)	46726	7.46	54858	7.45	
Chlorobenzene-d5 (IS)	94893	10.28	116831	10.28	
1,4-Difluorobenzene (IS)	105731	8.16	125627	8.16	

* Values outside of QC limits

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

Reported: 7/10/2023 3:19:04PM
Project: Former USDB Lompoc
Project Number: 21044.006.01.000
Project Manager: Sommer Carter

ORGANIC ANALYSIS DATA SHEET
EPA-8260C

MW02-0623-N

Laboratory: Pace Analytical - Bakersfield
SDG: 2311827
Client: Ahtna Global, LLC $AHTT
Project: Former USDB Lompoc
Matrix: Water
Laboratory ID: 2311827-02
File ID: 21JUN51.D
Sampled: 06/15/23 09:45
Prepared: 06/21/23 11:46
Analyzed: 06/22/23 01:55
Solids:
Preparation: EPA 5030 Water MS
Initial/Final: 25 ml / 25 ml
Batch: B168556
Sequence: 2309244
Calibration: 2306027
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	10	0.077	0.30	0.50	
108-88-3	Toluene	1	0.16	0.055	0.16	0.50	U
71-55-6	1,1,1-Trichloroethane	1	0.16	0.051	0.16	0.50	U
79-01-6	Trichloroethene	1	0.16	0.065	0.16	0.50	U
75-01-4	Vinyl chloride	1	0.16	0.097	0.16	0.50	U
1330-20-7	Total Xylenes	1	0.46	0.20	0.46	1.0	U
67-64-1	Acetone	1	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	9.8400	98.4	81 - 118	
Toluene-d8 (Surrogate)	10.000	9.6600	96.6	89 - 112	
4-Bromofluorobenzene (Surrogate)	10.000	9.6200	96.2	85 - 114	

INTERNAL STANDARD	AREA	RT	REF AREA	REF RT	Q
Pentafluorobenzene (IS)	49782	7.46	54858	7.45	
Chlorobenzene-d5 (IS)	96702	10.27	116831	10.28	
1,4-Difluorobenzene (IS)	107945	8.16	125627	8.16	

* Values outside of QC limits

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

Reported: 7/10/2023 3:19:04PM
Project: Former USDB Lompoc
Project Number: 21044.006.01.000
Project Manager: Sommer Carter

ORGANIC ANALYSIS DATA SHEET
EPA-8260C

MW04A-0623-N

Laboratory: Pace Analytical - Bakersfield
SDG: 2311827
Client: Ahtna Global, LLC $AHTT
Project: Former USDB Lompoc
Matrix: Water
Laboratory ID: 2311827-03
File ID: 21JUN52.D
Sampled: 06/15/23 07:52
Prepared: 06/21/23 11:46
Analyzed: 06/22/23 02:19
Solids:
Preparation: EPA 5030 Water MS
Initial/Final: 25 ml / 25 ml
Batch: B168556
Sequence: 2309244
Calibration: 2306027
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	2.1	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	11	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	1.8	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	460	3.5	8.0	10	
78-93-3	Methyl ethyl ketone	1	3.0	2.1	3.0	10	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
1,2-Dichloroethane-d4 (Surrogate)	10.000	9.5500	95.5	81 - 118	
Toluene-d8 (Surrogate)	10.000	10.070	101	89 - 112	
4-Bromofluorobenzene (Surrogate)	10.000	9.5500	95.5	85 - 114	

INTERNAL STANDARD	AREA	RT	REF AREA	REF RT	Q
Pentafluorobenzene (IS)	49138	7.45	54858	7.45	
Chlorobenzene-d5 (IS)	95058	10.28	116831	10.28	
1,4-Difluorobenzene (IS)	101367	8.15	125627	8.16	

* Values outside of QC limits

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

Reported: 7/10/2023 3:19:04PM
Project: Former USDB Lompoc
Project Number: 21044.006.01.000
Project Manager: Sommer Carter

ORGANIC ANALYSIS DATA SHEET
EPA-8260C

MW05A-0623-N

Laboratory: Pace Analytical - Bakersfield
SDG: 2311827
Client: Ahtna Global, LLC $AHTT
Project: Former USDB Lompoc
Matrix: Water
Laboratory ID: 2311827-04
File ID: 21JUN53.D
Sampled: 06/15/23 08:35
Prepared: 06/21/23 11:46
Analyzed: 06/22/23 02:43
Solids:
Preparation: EPA 5030 Water MS
Initial/Final: 25 ml / 25 ml
Batch: B168556
Sequence: 2309244
Calibration: 2306027
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	0.16	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	0.16	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	0.52	0.097	0.16	0.50	
1330-20-7	Total Xylenes	1	0.46	0.20	0.46	1.0	U
67-64-1	Acetone	1	120	3.5	8.0	10	
78-93-3	Methyl ethyl ketone	1	3.0	2.1	3.0	10	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
1,2-Dichloroethane-d4 (Surrogate)	10.000	10.400	104	81 - 118	
Toluene-d8 (Surrogate)	10.000	9.8600	98.6	89 - 112	
4-Bromofluorobenzene (Surrogate)	10.000	9.7800	97.8	85 - 114	

INTERNAL STANDARD	AREA	RT	REF AREA	REF RT	Q
Pentafluorobenzene (IS)	46464	7.46	54858	7.45	
Chlorobenzene-d5 (IS)	94310	10.27	116831	10.28	
1,4-Difluorobenzene (IS)	103473	8.16	125627	8.16	

* Values outside of QC limits

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

Reported: 7/10/2023 3:19:04PM
Project: Former USDB Lompoc
Project Number: 21044.006.01.000
Project Manager: Sommer Carter

ORGANIC ANALYSIS DATA SHEET

EPA-8260C

MW08A-0623-N

Laboratory:	Pace Analytical - Bakersfield			SDG:	2311827
Client:	Ahtna Global, LLC $AHTT			Project:	Former USDB Lompoc
Matrix:	Water	Laboratory ID:	2311827-05	File ID:	21JUN49.D
Sampled:	06/15/23 09:35	Prepared:	06/21/23 11:46	Analyzed:	06/22/23 01:07
Solids:		Preparation:	EPA 5030 Water MS	Initial/Final:	25 ml / 25 ml
Batch:	B168556	Sequence:	2309244	Calibration:	2306027
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	9.9600	99.6	81 - 118	
Toluene-d8 (Surrogate)	10.000	9.6700	96.7	89 - 112	
4-Bromofluorobenzene (Surrogate)	10.000	9.7300	97.3	85 - 114	

INTERNAL STANDARD	AREA	RT	REF AREA	REF RT	Q
Pentafluorobenzene (IS)	49243	7.45	54858	7.45	
Chlorobenzene-d5 (IS)	97903	10.28	116831	10.28	
1,4-Difluorobenzene (IS)	108185	8.16	125627	8.16	

* Values outside of QC limits

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

Reported: 7/10/2023 3:19:04PM
Project: Former USDB Lompoc
Project Number: 21044.006.01.000
Project Manager: Sommer Carter

ORGANIC ANALYSIS DATA SHEET
EPA-8260C

MW09A-0623-N

Laboratory: Pace Analytical - Bakersfield
SDG: 2311827
Client: Ahtna Global, LLC $AHTT
Project: Former USDB Lompoc
Matrix: Water
Laboratory ID: 2311827-06
File ID: 21JUN54.D
Sampled: 06/15/23 09:13
Prepared: 06/21/23 11:46
Analyzed: 06/22/23 03:08
Solids:
Preparation: EPA 5030 Water MS
Initial/Final: 25 ml / 25 ml
Batch: B168556
Sequence: 2309244
Calibration: 2306027
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	8.6	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	0.30	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	0.17	0.065	0.16	0.50	J
75-01-4	Vinyl chloride	1	0.21	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	340	3.5	8.0	10	
78-93-3	Methyl ethyl ketone	1	3.0	2.1	3.0	10	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
1,2-Dichloroethane-d4 (Surrogate)	10.000	10.680	107	81 - 118	
Toluene-d8 (Surrogate)	10.000	9.9300	99.3	89 - 112	
4-Bromofluorobenzene (Surrogate)	10.000	9.6900	96.9	85 - 114	

INTERNAL STANDARD	AREA	RT	REF AREA	REF RT	Q
Pentafluorobenzene (IS)	46114	7.45	54858	7.45	
Chlorobenzene-d5 (IS)	92275	10.28	116831	10.28	
1,4-Difluorobenzene (IS)	102458	8.16	125627	8.16	

* Values outside of QC limits

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

Reported: 7/10/2023 3:19:04PM
Project: Former USDB Lompoc
Project Number: 21044.006.01.000
Project Manager: Sommer Carter

ORGANIC ANALYSIS DATA SHEET

EPA-8260C

MW10A-0623-N

Laboratory: Pace Analytical - Bakersfield
SDG: 2311827
Client: Ahtna Global, LLC $AHTT
Project: Former USDB Lompoc
Matrix: Water
Laboratory ID: 2311827-07
File ID: 21JUN55.D
Sampled: 06/15/23 08:05
Prepared: 06/21/23 11:46
Analyzed: 06/22/23 03:32
Solids:
Preparation: EPA 5030 Water MS
Initial/Final: 25 ml / 25 ml
Batch: B168556
Sequence: 2309244
Calibration: 2306027
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	0.060	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	5.2	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	70	3.5	8.0	10	
78-93-3	Methyl ethyl ketone	1	3.0	2.1	3.0	10	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
1,2-Dichloroethane-d4 (Surrogate)	10.000	10.740	107	81 - 118	
Toluene-d8 (Surrogate)	10.000	9.7400	97.4	89 - 112	
4-Bromofluorobenzene (Surrogate)	10.000	9.5500	95.5	85 - 114	

INTERNAL STANDARD	AREA	RT	REF AREA	REF RT	Q
Pentafluorobenzene (IS)	45411	7.46	54858	7.45	
Chlorobenzene-d5 (IS)	91184	10.28	116831	10.28	
1,4-Difluorobenzene (IS)	102472	8.16	125627	8.16	

* Values outside of QC limits

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

Reported: 7/10/2023 3:19:04PM
Project: Former USDB Lompoc
Project Number: 21044.006.01.000
Project Manager: Sommer Carter

ORGANIC ANALYSIS DATA SHEET
EPA-8260C

MW11A-0623-N

Laboratory: Pace Analytical - Bakersfield
SDG: 2311827
Client: Ahtna Global, LLC $AHTT
Project: Former USDB Lompoc
Matrix: Water
Laboratory ID: 2311827-08
File ID: 21JUN56.D
Sampled: 06/15/23 08:20
Prepared: 06/21/23 11:46
Analyzed: 06/22/23 03:56
Solids:
Preparation: EPA 5030 Water MS
Initial/Final: 25 ml / 25 ml
Batch: B168556
Sequence: 2309244
Calibration: 2306027
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	3.6	0.077	0.30	0.50	
108-88-3	Toluene	1	0.16	0.055	0.16	0.50	U
71-55-6	1,1,1-Trichloroethane	1	0.16	0.051	0.16	0.50	U
79-01-6	Trichloroethene	1	0.080	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
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	10.060	101	81 - 118	
Toluene-d8 (Surrogate)	10.000	9.7600	97.6	89 - 112	
4-Bromofluorobenzene (Surrogate)	10.000	9.5200	95.2	85 - 114	

INTERNAL STANDARD	AREA	RT	REF AREA	REF RT	Q
Pentafluorobenzene (IS)	47007	7.45	54858	7.45	
Chlorobenzene-d5 (IS)	91753	10.28	116831	10.28	
1,4-Difluorobenzene (IS)	102319	8.16	125627	8.16	

* Values outside of QC limits

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

Reported: 7/10/2023 3:19:04PM
Project: Former USDB Lompoc
Project Number: 21044.006.01.000
Project Manager: Sommer Carter

ORGANIC ANALYSIS DATA SHEET
EPA-8260C

MW11A-0623-N

Laboratory: Pace Analytical - Bakersfield
SDG: 2311827
Client: Ahtna Global, LLC $AHTT
Project: Former USDB Lompoc
Matrix: Water
Laboratory ID: 2311827-08RE1
File ID: 21JUN61.D
Sampled: 06/15/23 08:20
Prepared: 06/21/23 11:46
Analyzed: 06/22/23 05:57
Solids:
Preparation: EPA 5030 Water MS
Initial/Final: 25 ml / 25 ml
Batch: B168556
Sequence: 2309244
Calibration: 2306027
Instrument: MS-V5

CAS NO.	COMPOUND	DILUTION	CONC. (ug/L)	DL	LOD	LOQ	Q
67-64-1	Acetone	5	1100	18	40	50	D

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
1,2-Dichloroethane-d4 (Surrogate)	10.000	10.180	102	81 - 118	
Toluene-d8 (Surrogate)	10.000	9.6000	96.0	89 - 112	
4-Bromofluorobenzene (Surrogate)	10.000	9.2000	92.0	85 - 114	

INTERNAL STANDARD	AREA	RT	REF AREA	REF RT	Q
Pentafluorobenzene (IS)	55084	7.46	54858	7.45	
Chlorobenzene-d5 (IS)	112786	10.28	116831	10.28	
1,4-Difluorobenzene (IS)	123219	8.16	125627	8.16	

* Values outside of QC limits

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

Reported: 7/10/2023 3:19:04PM
Project: Former USDB Lompoc
Project Number: 21044.006.01.000
Project Manager: Sommer Carter

ORGANIC ANALYSIS DATA SHEET
EPA-8260C

MW12A-0623-N

Laboratory: Pace Analytical - Bakersfield
SDG: 2311827
Client: Ahtna Global, LLC $AHTT
Project: Former USDB Lompoc
Matrix: Water
Laboratory ID: 2311827-09
File ID: 21JUN57.D
Sampled: 06/15/23 08:52
Prepared: 06/21/23 11:46
Analyzed: 06/22/23 04:20
Solids:
Preparation: EPA 5030 Water MS
Initial/Final: 25 ml / 25 ml
Batch: B168556
Sequence: 2309244
Calibration: 2306027
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	7.8	0.085	0.16	0.50	
156-60-5	trans-1,2-Dichloroethene	1	0.070	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	1.9	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	0.53	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	230	3.5	8.0	10	
78-93-3	Methyl ethyl ketone	1	3.0	2.1	3.0	10	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
1,2-Dichloroethane-d4 (Surrogate)	10.000	10.240	102	81 - 118	
Toluene-d8 (Surrogate)	10.000	9.6700	96.7	89 - 112	
4-Bromofluorobenzene (Surrogate)	10.000	9.7400	97.4	85 - 114	

INTERNAL STANDARD	AREA	RT	REF AREA	REF RT	Q
Pentafluorobenzene (IS)	46317	7.45	54858	7.45	
Chlorobenzene-d5 (IS)	91220	10.28	116831	10.28	
1,4-Difluorobenzene (IS)	102687	8.16	125627	8.16	

* Values outside of QC limits

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

Reported: 7/10/2023 3:19:04PM
Project: Former USDB Lompoc
Project Number: 21044.006.01.000
Project Manager: Sommer Carter

ORGANIC ANALYSIS DATA SHEET
EPA-8260C

MW12A-0623-D

Laboratory:	Pace Analytical - Bakersfield			SDG:	2311827
Client:	Ahtna Global, LLC $AHTT			Project:	Former USDB Lompoc
Matrix:	Water	Laboratory ID:	2311827-10	File ID:	21JUN58.D
Sampled:	06/15/23 08:55	Prepared:	06/21/23 11:46	Analyzed:	06/22/23 04:44
Solids:		Preparation:	EPA 5030 Water MS	Initial/Final:	25 ml / 25 ml
Batch:	B168556	Sequence:	2309244	Calibration:	2306027
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	6.4	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	2.5	0.077	0.30	0.50	
108-88-3	Toluene	1	0.16	0.055	0.16	0.50	U
71-55-6	1,1,1-Trichloroethane	1	0.16	0.051	0.16	0.50	U
79-01-6	Trichloroethene	1	0.48	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
78-93-3	Methyl ethyl ketone	1	3.0	2.1	3.0	10	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
1,2-Dichloroethane-d4 (Surrogate)	10.000	10.540	105	81 - 118	
Toluene-d8 (Surrogate)	10.000	9.8800	98.8	89 - 112	
4-Bromofluorobenzene (Surrogate)	10.000	10.090	101	85 - 114	

INTERNAL STANDARD	AREA	RT	REF AREA	REF RT	Q
Pentafluorobenzene (IS)	55850	7.45	54858	7.45	
Chlorobenzene-d5 (IS)	111240	10.28	116831	10.28	
1,4-Difluorobenzene (IS)	122149	8.16	125627	8.16	

* Values outside of QC limits

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

Reported: 7/10/2023 3:19:04PM
Project: Former USDB Lompoc
Project Number: 21044.006.01.000
Project Manager: Sommer Carter

ORGANIC ANALYSIS DATA SHEET
EPA-8260C

MW12A-0623-D

Laboratory: Pace Analytical - Bakersfield
SDG: 2311827
Client: Ahtna Global, LLC $AHTT
Project: Former USDB Lompoc
Matrix: Water
Laboratory ID: 2311827-10RE1
File ID: 21JUN62.D
Sampled: 06/15/23 08:55
Prepared: 06/21/23 11:46
Analyzed: 06/22/23 06:21
Solids:
Preparation: EPA 5030 Water MS
Initial/Final: 25 ml / 25 ml
Batch: B168556
Sequence: 2309244
Calibration: 2306027
Instrument: MS-V5

CAS NO.	COMPOUND	DILUTION	CONC. (ug/L)	DL	LOD	LOQ	Q
67-64-1	Acetone	5	1000	18	40	50	D

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
1,2-Dichloroethane-d4 (Surrogate)	10.000	10.090	101	81 - 118	
Toluene-d8 (Surrogate)	10.000	9.8100	98.1	89 - 112	
4-Bromofluorobenzene (Surrogate)	10.000	9.6500	96.5	85 - 114	

INTERNAL STANDARD	AREA	RT	REF AREA	REF RT	Q
Pentafluorobenzene (IS)	53659	7.46	54858	7.45	
Chlorobenzene-d5 (IS)	104473	10.28	116831	10.28	
1,4-Difluorobenzene (IS)	119159	8.16	125627	8.16	

* Values outside of QC limits

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

Reported: 7/10/2023 3:19:04PM
Project: Former USDB Lompoc
Project Number: 21044.006.01.000
Project Manager: Sommer Carter

ORGANIC ANALYSIS DATA SHEET
EPA-8260C

MW01A-0623-FB

Laboratory: Pace Analytical - Bakersfield
SDG: 2311827
Client: Ahtna Global, LLC $AHTT
Project: Former USDB Lompoc
Matrix: Water
Laboratory ID: 2311827-11
File ID: 21JUN59.D
Sampled: 06/15/23 11:05
Prepared: 06/21/23 11:46
Analyzed: 06/22/23 05:08
Solids:
Preparation: EPA 5030 Water MS
Initial/Final: 25 ml / 25 ml
Batch: B168556
Sequence: 2309244
Calibration: 2306027
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	10.220	102	81 - 118	
Toluene-d8 (Surrogate)	10.000	9.7400	97.4	89 - 112	
4-Bromofluorobenzene (Surrogate)	10.000	9.4900	94.9	85 - 114	

INTERNAL STANDARD	AREA	RT	REF AREA	REF RT	Q
Pentafluorobenzene (IS)	56063	7.46	54858	7.45	
Chlorobenzene-d5 (IS)	110107	10.27	116831	10.28	
1,4-Difluorobenzene (IS)	119004	8.16	125627	8.16	

* Values outside of QC limits

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

Reported: 7/10/2023 3:19:04PM
Project: Former USDB Lompoc
Project Number: 21044.006.01.000
Project Manager: Sommer Carter

ORGANIC ANALYSIS DATA SHEET
EPA-8260C

MW10A-0623-T

Laboratory: Pace Analytical - Bakersfield
SDG: 2311827
Client: Ahtna Global, LLC $AHTT
Project: Former USDB Lompoc
Matrix: Water
Laboratory ID: 2311827-12
File ID: 21JUN60.D
Sampled: 06/15/23 07:55
Prepared: 06/21/23 11:46
Analyzed: 06/22/23 05:32
Solids:
Preparation: EPA 5030 Water MS
Initial/Final: 25 ml / 25 ml
Batch: B168556
Sequence: 2309244
Calibration: 2306027
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	10.570	106	81 - 118	
Toluene-d8 (Surrogate)	10.000	9.9500	99.5	89 - 112	
4-Bromofluorobenzene (Surrogate)	10.000	9.9300	99.3	85 - 114	

INTERNAL STANDARD	AREA	RT	REF AREA	REF RT	Q
Pentafluorobenzene (IS)	54345	7.46	54858	7.45	
Chlorobenzene-d5 (IS)	106626	10.28	116831	10.28	
1,4-Difluorobenzene (IS)	119814	8.16	125627	8.16	

* Values outside of QC limits

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

Reported: 7/10/2023 3:19:04PM
Project: Former USDB Lompoc
Project Number: 21044.006.01.000
Project Manager: Sommer Carter

PREPARATION BATCH SUMMARY

EPA-8260C

Laboratory: Pace Analytical - Bakersfield
SDG: 2311827
Client: Ahtna Global, LLC $AHTT
Project: Former USDB Lompoc
Batch: B168556
Batch Matrix: Water
Preparation: EPA 5030 Water MS

SAMPLE NAME	LAB SAMPLE ID	LAB FILE ID	DATE PREPARED	OBSERVATIONS
MW01-0623-N	2311827-01	21JUN50.D	06/21/23 11:46	Lompoc-CLP IV
MW02-0623-N	2311827-02	21JUN51.D	06/21/23 11:46	Lompoc-CLP IV
MW04A-0623-N	2311827-03	21JUN52.D	06/21/23 11:46	Lompoc-CLP IV
MW05A-0623-N	2311827-04	21JUN53.D	06/21/23 11:46	Lompoc-CLP IV
MW08A-0623-N	2311827-05	21JUN49.D	06/21/23 11:46	Lompoc-CLP IV
MW09A-0623-N	2311827-06	21JUN54.D	06/21/23 11:46	Lompoc-CLP IV
MW10A-0623-N	2311827-07	21JUN55.D	06/21/23 11:46	Lompoc-CLP IV
MW11A-0623-N	2311827-08	21JUN56.D	06/21/23 11:46	Lompoc-CLP IV
MW11A-0623-N	2311827-08RE1	21JUN61.D	06/21/23 11:46	Lompoc-CLP IV
MW12A-0623-N	2311827-09	21JUN57.D	06/21/23 11:46	Lompoc-CLP IV
MW12A-0623-D	2311827-10	21JUN58.D	06/21/23 11:46	Lompoc-CLP IV
MW12A-0623-D	2311827-10RE1	21JUN62.D	06/21/23 11:46	Lompoc-CLP IV
MW01A-0623-FB	2311827-11	21JUN59.D	06/21/23 11:46	Lompoc-CLP IV
MW10A-0623-T	2311827-12	21JUN60.D	06/21/23 11:46	Lompoc-CLP IV
Blank	B168556-BLK1	21JUN48.D	06/21/23 11:46	
LCS	B168556-BS1	21JUN63.D	06/21/23 11:46	
LCS Dup	B168556-BSD1	21JUN64.D	06/21/23 11:46	
MW08A-0623-N	B168556-MS1	21JUN65.D	06/21/23 11:46	
MW08A-0623-N	B168556-MSD1	21JUN66.D	06/21/23 11:46	

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

Reported: 7/10/2023 3:19:04PM
Project: Former USDB Lompoc
Project Number: 21044.006.01.000
Project Manager: Sommer Carter

METHOD BLANK DATA SHEET
EPA-8260C

Laboratory:	Pace Analytical - Bakersfield			SDG:	2311827
Client:	Ahtna Global, LLC $AHTT			Project:	Former USDB Lompoc
Matrix:	Water	Laboratory ID:	B168556-BLK1	File ID:	21JUN48.D
Prepared:	06/21/23 11:46	Preparation:	EPA 5030 Water MS	Initial/Final:	25 ml / 25 ml
Analyzed:	06/22/23 00:43	Instrument:	MS-V5		
Batch:	B168556	Sequence:	2309244	Calibration:	2306027

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	9.8800	98.8	81 - 118	
Toluene-d8 (Surrogate)	10.000	9.8100	98.1	89 - 112	
4-Bromofluorobenzene (Surrogate)	10.000	9.6300	96.3	85 - 114	

INTERNAL STANDARD	AREA	RT	REF AREA	REF RT	Q
Pentafluorobenzene (IS)	49910	7.45	54858	7.45	

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

Reported: 7/10/2023 3:19:04PM
Project: Former USDB Lompoc
Project Number: 21044.006.01.000
Project Manager: Sommer Carter

METHOD BLANK DATA SHEET
EPA-8260C

Laboratory:	Pace Analytical - Bakersfield			SDG:	2311827
Client:	Ahtna Global, LLC $AHTT			Project:	Former USDB Lompoc
Matrix:	Water	Laboratory ID:	B168556-BLK1	File ID:	21JUN48.D
Prepared:	06/21/23 11:46	Preparation:	EPA 5030 Water MS	Initial/Final:	25 ml / 25 ml
Analyzed:	06/22/23 00:43	Instrument:	MS-V5		
Batch:	B168556	Sequence:	2309244	Calibration:	2306027

INTERNAL STANDARD	AREA	RT	REF AREA	REF RT	Q
Chlorobenzene-d5 (IS)	97634	10.28	116831	10.28	
1,4-Difluorobenzene (IS)	109005	8.16	125627	8.16	

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

Reported: 7/10/2023 3:19:04PM
Project: Former USDB Lompoc
Project Number: 21044.006.01.000
Project Manager: Sommer Carter

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

EPA-8260C

MW08A-0623-N

Laboratory: Pace Analytical - Bakersfield
Client: Ahtna Global, LLC $AHTT
Matrix: Water
Batch: B168556
Preparation: EPA 5030 Water MS
Source Sample Number: 2311827-05

SDG: 2311827
Project: Former USDB Lompoc
Laboratory ID: B168556-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	ND	25.620	102	79 - 120
Bromodichloromethane	25.000	ND	28.210	113	79 - 125
Bromoform	25.000	ND	27.510	110	66 - 130
Chloroform	25.000	ND	26.710	107	79 - 124
Chloromethane	25.000	ND	30.830	123	50 - 139
Dibromochloromethane	25.000	ND	28.930	116	74 - 126
1,1-Dichloroethene	25.000	ND	28.970	116	71 - 131
cis-1,2-Dichloroethene	25.000	ND	27.440	110	78 - 123
trans-1,2-Dichloroethene	25.000	ND	27.730	111	75 - 124
Methyl t-butyl ether	25.000	ND	25.800	103	71 - 124
Tetrachloroethene	25.000	ND	27.490	110	74 - 129
Toluene	25.000	ND	26.930	108	80 - 121
1,1,1-Trichloroethane	25.000	ND	27.790	111	74 - 131
Trichloroethene	25.000	ND	26.700	107	79 - 123
Vinyl chloride	25.000	ND	32.190	129	58 - 137
Total Xylenes	75.000	ND	80.980	108	79 - 121
Acetone	320.00	ND	311.27	97.3	39 - 160
Methyl ethyl ketone	160.00	ND	159.44	99.6	56 - 143

COMPOUND	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC. #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
Benzene	25.000	22.680	90.7	12.2	20	79 - 120
Bromodichloromethane	25.000	26.200	105	7.39	20	79 - 125
Bromoform	25.000	25.200	101	8.76	20	66 - 130
Chloroform	25.000	23.670	94.7	12.1	20	79 - 124
Chloromethane	25.000	26.320	105	15.8	20	50 - 139

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

Reported: 7/10/2023 3:19:04PM
Project: Former USDB Lompoc
Project Number: 21044.006.01.000
Project Manager: Sommer Carter

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

EPA-8260C

MW08A-0623-N

Laboratory: Pace Analytical - Bakersfield
SDG: 2311827
Client: Ahtna Global, LLC $AHTT
Project: Former USDB Lompoc
Matrix: Water
Batch: B168556
Laboratory ID: B168556-MSD1
Preparation: EPA 5030 Water MS
Initial/Final: 25 ml / 25 ml
Source Sample Number: 2311827-05

COMPOUND	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC. #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
Dibromochloromethane	25.000	28.040	112	3.12	20	74 - 126
1,1-Dichloroethene	25.000	25.310	101	13.5	20	71 - 131
cis-1,2-Dichloroethene	25.000	24.300	97.2	12.1	20	78 - 123
trans-1,2-Dichloroethene	25.000	24.810	99.2	11.1	20	75 - 124
Methyl t-butyl ether	25.000	23.100	92.4	11.0	20	71 - 124
Tetrachloroethene	25.000	26.400	106	4.05	20	74 - 129
Toluene	25.000	25.130	101	6.92	20	80 - 121
1,1,1-Trichloroethane	25.000	24.300	97.2	13.4	20	74 - 131
Trichloroethene	25.000	24.960	99.8	6.74	20	79 - 123
Vinyl chloride	25.000	28.430	114	12.4	20	58 - 137
Total Xylenes	75.000	70.490	94.0	13.9	20	79 - 121
Acetone	320.00	429.43	134	31.9 *	20	39 - 160
Methyl ethyl ketone	160.00	148.67	92.9	6.99	20	56 - 143

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

* Values outside of QC limits

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

Reported: 7/10/2023 3:19:04PM
Project: Former USDB Lompoc
Project Number: 21044.006.01.000
Project Manager: Sommer Carter

LCS RECOVERY

EPA-8260C

Laboratory: Pace Analytical - Bakersfield
SDG: 2311827
Client: Ahtna Global, LLC $AHTT
Project: Former USDB Lompoc
Matrix: Water
Batch: B168556
Laboratory ID: B168556-BS1
Preparation: EPA 5030 Water MS
Initial/Final: 25 ml / 25 ml

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC. #	QC LIMITS REC.
Benzene	25.000	23.000	92.0	79 - 120
Bromodichloromethane	25.000	25.940	104	79 - 125
Bromoform	25.000	23.250	93.0	66 - 130
Chloroform	25.000	24.630	98.5	79 - 124
Chloromethane	25.000	24.160	96.6	50 - 139
Dibromochloromethane	25.000	26.410	106	74 - 126
1,1-Dichloroethene	25.000	24.960	99.8	71 - 131
cis-1,2-Dichloroethene	25.000	23.960	95.8	78 - 123
trans-1,2-Dichloroethene	25.000	23.670	94.7	75 - 124
Methyl t-butyl ether	25.000	23.840	95.4	71 - 124
Tetrachloroethene	25.000	23.570	94.3	74 - 129
Toluene	25.000	24.290	97.2	80 - 121
1,1,1-Trichloroethane	25.000	24.430	97.7	74 - 131
Trichloroethene	25.000	22.770	91.1	79 - 123
Vinyl chloride	25.000	23.600	94.4	58 - 137
Total Xylenes	75.000	71.380	95.2	79 - 121
Acetone	320.00	299.70	93.7	39 - 160
Methyl ethyl ketone	160.00	154.99	96.9	56 - 143

COMPOUND	SPIKE ADDED (ug/L)	LCSD CONCENTRATION (ug/L)	LCSD % REC. #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
Benzene	25.000	24.870	99.5	7.81	20	79 - 120
Bromodichloromethane	25.000	27.000	108	4.00	20	79 - 125
Bromoform	25.000	24.970	99.9	7.13	20	66 - 130
Chloroform	25.000	26.590	106	7.65	20	79 - 124

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

Reported: 7/10/2023 3:19:04PM
Project: Former USDB Lompoc
Project Number: 21044.006.01.000
Project Manager: Sommer Carter

LCS RECOVERY

EPA-8260C

Laboratory: Pace Analytical - Bakersfield
SDG: 2311827
Client: Ahtna Global, LLC $AHTT
Project: Former USDB Lompoc
Matrix: Water
Batch: B168556
Laboratory ID: B168556-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	30.080	120	21.8 *	20	50 - 139
Dibromochloromethane	25.000	28.460	114	7.47	20	74 - 126
1,1-Dichloroethene	25.000	27.720	111	10.5	20	71 - 131
cis-1,2-Dichloroethene	25.000	26.170	105	8.82	20	78 - 123
trans-1,2-Dichloroethene	25.000	26.550	106	11.5	20	75 - 124
Methyl t-butyl ether	25.000	25.530	102	6.85	20	71 - 124
Tetrachloroethene	25.000	27.170	109	14.2	20	74 - 129
Toluene	25.000	25.910	104	6.45	20	80 - 121
1,1,1-Trichloroethane	25.000	26.900	108	9.62	20	74 - 131
Trichloroethene	25.000	25.090	100	9.69	20	79 - 123
Vinyl chloride	25.000	29.650	119	22.7 *	20	58 - 137
Total Xylenes	75.000	74.740	99.7	4.60	20	79 - 121
Acetone	320.00	341.21	107	13.0	20	39 - 160
Methyl ethyl ketone	160.00	170.77	107	9.69	20	56 - 143

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

* Values outside of QC limits

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

Reported: 7/10/2023 3:19:04PM
Project: Former USDB Lompoc
Project Number: 21044.006.01.000
Project Manager: Sommer Carter

ANALYSIS BATCH (SEQUENCE) SUMMARY

EPA-8260C

Laboratory:	Pace Analytical - Bakersfield	SDG:	2311827
Client:	Ahtna Global, LLC $AHTT	Project:	Former USDB Lompoc
Sequence:	2309240	Instrument:	MS-V5
Matrix:	Water	Calibration:	2306027

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
MS Tune	2309240-TUN2	19JUN03.D	06/19/23 12:08
Cal Standard	2309240-CAL7	19JUN17.D	06/19/23 17:49
Cal Standard	2309240-CAL8	19JUN18.D	06/19/23 18:13
Cal Standard	2309240-CAL9	19JUN19.D	06/19/23 18:37
Cal Standard	2309240-CALA	19JUN20.D	06/19/23 19:01
Cal Standard	2309240-CALB	19JUN21.D	06/19/23 19:25
Cal Standard	2309240-CALC	19JUN22.D	06/19/23 19:50
MS Tune	2309240-TUN1	21JUN02.D	06/21/23 06:12
Cal Standard	2309240-CAL1	21JUN03.D	06/21/23 06:37
Cal Standard	2309240-CAL2	21JUN05.D	06/21/23 07:26
Cal Standard	2309240-CAL3	21JUN06.D	06/21/23 07:50
Cal Standard	2309240-CAL4	21JUN07.D	06/21/23 08:14
Cal Standard	2309240-CAL5	21JUN08.D	06/21/23 08:38
Cal Standard	2309240-CAL6	21JUN09.D	06/21/23 09:02

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

Reported: 7/10/2023 3:19:04PM
Project: Former USDB Lompoc
Project Number: 21044.006.01.000
Project Manager: Sommer Carter

ANALYSIS BATCH (SEQUENCE) SUMMARY

EPA-8260C

Laboratory:	Pace Analytical - Bakersfield	SDG:	2311827
Client:	Ahtna Global, LLC $AHTT	Project:	Former USDB Lompoc
Sequence:	2309244	Instrument:	MS-V5
Matrix:	Water	Calibration:	2306027

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Initial Cal Check	2309244-ICV2	19JUN25.D	06/19/23 21:02
Initial Cal Blank	2309244-ICB2	19JUN27.D	06/19/23 21:51
Initial Cal Check	2309244-ICV1	21JUN12.D	06/21/23 10:15
Initial Cal Blank	2309244-ICB1	21JUN14.D	06/21/23 11:03
MS Tune	2309244-TUN1	21JUN44.D	06/21/23 23:06
Calibration Check	2309244-CCV1	21JUN45.D	06/21/23 23:30
Calibration Check	2309244-CCV2	21JUN46.D	06/21/23 23:55
Calibration Blank	2309244-CCB1	21JUN47.D	06/22/23 00:19
Blank	B168556-BLK1	21JUN48.D	06/22/23 00:43
MW08A-0623-N	2311827-05	21JUN49.D	06/22/23 01:07
MW01-0623-N	2311827-01	21JUN50.D	06/22/23 01:31
MW02-0623-N	2311827-02	21JUN51.D	06/22/23 01:55
MW04A-0623-N	2311827-03	21JUN52.D	06/22/23 02:19
MW05A-0623-N	2311827-04	21JUN53.D	06/22/23 02:43
MW09A-0623-N	2311827-06	21JUN54.D	06/22/23 03:08
MW10A-0623-N	2311827-07	21JUN55.D	06/22/23 03:32
MW11A-0623-N	2311827-08	21JUN56.D	06/22/23 03:56
MW12A-0623-N	2311827-09	21JUN57.D	06/22/23 04:20
MW12A-0623-D	2311827-10	21JUN58.D	06/22/23 04:44
MW01A-0623-FB	2311827-11	21JUN59.D	06/22/23 05:08
MW10A-0623-T	2311827-12	21JUN60.D	06/22/23 05:32
MW11A-0623-N	2311827-08RE1	21JUN61.D	06/22/23 05:57
MW12A-0623-D	2311827-10RE1	21JUN62.D	06/22/23 06:21
LCS	B168556-BS1	21JUN63.D	06/22/23 06:45
LCS Dup	B168556-BSD1	21JUN64.D	06/22/23 07:09
MW08A-0623-N	B168556-MS1	21JUN65.D	06/22/23 07:33
MW08A-0623-N	B168556-MSD1	21JUN66.D	06/22/23 07:57
MS Tune	2309244-TUN2	22JUN01.D	06/22/23 08:46

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Anchorage, ALASKA 99503

Reported: 7/10/2023 3:19:04PM
Project: Former USDB Lompoc
Project Number: 21044.006.01.000
Project Manager: Sommer Carter

ANALYSIS BATCH (SEQUENCE) SUMMARY

EPA-8260C

Laboratory:	Pace Analytical - Bakersfield	SDG:	2311827
Client:	Ahtna Global, LLC $AHTT	Project:	Former USDB Lompoc
Sequence:	2309244	Instrument:	MS-V5
Matrix:	Water	Calibration:	2306027

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Calibration Check	2309244-CCV3	22JUN02.D	06/22/23 09:14
Calibration Check	2309244-CCV4	22JUN03.D	06/22/23 09:38
Calibration Blank	2309244-CCB2	22JUN05.D	06/22/23 10:26

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Project Manager: Sommer Carter

MASS SPECTROMETER INSTRUMENT PERFORMANCE CHECK

EPA-8260C

Laboratory:	Pace Analytical - Bakersfield	SDG:	2311827
Client:	Ahtna Global, LLC $AHTT	Project:	Former USDB Lompoc
Lab File ID:	21JUN02.D	Injection Date:	06/21/23
Instrument ID:	MS-V5	Injection Time:	06:12
Sequence:	2309240	Lab Sample ID:	2309240-TUN1

m/z	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
Mass 50	15 - 40% of Mass 95	25.7	PASS
Mass 75	30 - 60% of Mass 95	59.2	PASS
Mass 95	Base peak, 100% relative abundance	100	PASS
Mass 96	5 - 9% of Mass 95	5.98	PASS
Mass 173	Less than 2% of Mass 174	0	PASS
Mass 174	50 - 100% of Mass 95	85.5	PASS
Mass 175	5 - 9% of Mass 174	8.93	PASS
Mass 176	95 - 101% of Mass 174	96.1	PASS
Mass 177	5 - 9% of Mass 176	5.28	PASS

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Project Manager: Sommer Carter

MASS SPECTROMETER INSTRUMENT PERFORMANCE CHECK

EPA-8260C

Laboratory:	Pace Analytical - Bakersfield	SDG:	2311827
Client:	Ahtna Global, LLC $AHTT	Project:	Former USDB Lompoc
Lab File ID:	19JUN03.D	Injection Date:	06/19/23
Instrument ID:	MS-V5	Injection Time:	12:08
Sequence:	2309240	Lab Sample ID:	2309240-TUN2

m/z	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
Mass 50	15 - 40% of Mass 95	23	PASS
Mass 75	30 - 60% of Mass 95	55.4	PASS
Mass 95	Base peak, 100% relative abundance	100	PASS
Mass 96	5 - 9% of Mass 95	7.86	PASS
Mass 173	Less than 2% of Mass 174	0	PASS
Mass 174	50 - 100% of Mass 95	86.7	PASS
Mass 175	5 - 9% of Mass 174	8.01	PASS
Mass 176	95 - 101% of Mass 174	96.5	PASS
Mass 177	5 - 9% of Mass 176	6.67	PASS

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Project Manager: Sommer Carter

MASS SPECTROMETER INSTRUMENT PERFORMANCE CHECK

EPA-8260C

Laboratory:	Pace Analytical - Bakersfield	SDG:	2311827
Client:	Ahtna Global, LLC $AHTT	Project:	Former USDB Lompoc
Lab File ID:	21JUN44.D	Injection Date:	06/21/23
Instrument ID:	MS-V5	Injection Time:	23:06
Sequence:	2309244	Lab Sample ID:	2309244-TUN1

m/z	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
Mass 50	15 - 40% of Mass 95	29.2	PASS
Mass 75	30 - 60% of Mass 95	55.2	PASS
Mass 95	Base peak, 100% relative abundance	100	PASS
Mass 96	5 - 9% of Mass 95	8.15	PASS
Mass 173	Less than 2% of Mass 174	0	PASS
Mass 174	50 - 100% of Mass 95	74.3	PASS
Mass 175	5 - 9% of Mass 174	6.87	PASS
Mass 176	95 - 101% of Mass 174	95.5	PASS
Mass 177	5 - 9% of Mass 176	5.94	PASS

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Project Manager: Sommer Carter

MASS SPECTROMETER INSTRUMENT PERFORMANCE CHECK

EPA-8260C

Laboratory:	Pace Analytical - Bakersfield	SDG:	2311827
Client:	Ahtna Global, LLC $AHTT	Project:	Former USDB Lompoc
Lab File ID:	22JUN01.D	Injection Date:	06/22/23
Instrument ID:	MS-V5	Injection Time:	08:46
Sequence:	2309244	Lab Sample ID:	2309244-TUN2

m/z	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
Mass 50	15 - 40% of Mass 95	22.2	PASS
Mass 75	30 - 60% of Mass 95	56.8	PASS
Mass 95	Base peak, 100% relative abundance	100	PASS
Mass 96	5 - 9% of Mass 95	7.06	PASS
Mass 173	Less than 2% of Mass 174	0	PASS
Mass 174	50 - 100% of Mass 95	69.1	PASS
Mass 175	5 - 9% of Mass 174	5.11	PASS
Mass 176	95 - 101% of Mass 174	97.1	PASS
Mass 177	5 - 9% of Mass 176	8.24	PASS

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Project Manager: Sommer Carter

CONTINUING CALIBRATION CHECK

EPA-8260C

Laboratory:	Pace Analytical - Bakersfield	SDG:	2311827
Client:	Ahtna Global, LLC $AHTT	Project:	Former USDB Lompoc
Instrument ID:	MS-V5	Calibration:	2306027
Lab File ID:	19JUN25.D	Calibration Date:	06/19/23 17:49
Sequence:	2309244	Injection Date:	06/19/23
Lab Sample ID:	2309244-ICV2	Injection Time:	21:02

COMPOUND	(1) CAL TYPE	CONC. (ug/L)		RESPONSE FACTOR			% DIFF / DRIFT (2)	
		STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Acetone	A	320.00	302.13	0.2863591	0.270365		-5.6	20
Methyl ethyl ketone	A	160.00	152.10	0.4788797	0.4552456		-4.9	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: Sommer Carter

CONTINUING CALIBRATION CHECK

EPA-8260C

Laboratory:	Pace Analytical - Bakersfield	SDG:	2311827
Client:	Ahtna Global, LLC $AHTT	Project:	Former USDB Lompoc
Instrument ID:	MS-V5	Calibration:	2306027
Lab File ID:	21JUN12.D	Calibration Date:	06/19/23 17:49
Sequence:	2309244	Injection Date:	06/21/23
Lab Sample ID:	2309244-ICV1	Injection Time:	10:15

	(1) CAL	CONC. (ug/L)		RESPONSE FACTOR			% DIFF / DRIFT (2)	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Benzene	A	25.000	23.470	11.3251	10.63239		-6.1	20
Bromodichloromethane	A	25.000	25.620	1.526897	1.564465		2.5	20
Bromoform	Q	25.000	24.220	0.2938099	0.3238036		-3.1	20
Chloroform	A	25.000	24.120	5.554348	5.359136		-3.5	20
Chloromethane	A	25.000	24.780	4.120791	4.083843		-0.9	20
Dibromochloromethane	A	25.000	25.910	0.6994638	0.7249554		3.6	20
1,1-Dichloroethene	A	25.000	25.090	5.721759	5.743173		0.4	20
cis-1,2-Dichloroethene	A	25.000	24.330	2.965512	2.886345		-2.7	20
trans-1,2-Dichloroethene	A	25.000	24.540	2.924921	2.871678		-1.8	20
Methyl t-butyl ether	A	25.000	23.220	4.677978	4.344412		-7.1	20
Tetrachloroethene	A	25.000	24.720	1.355906	1.340741		-1.1	20
Toluene	A	25.000	24.770	3.047379	3.018973		-0.9	20
1,1,1-Trichloroethane	A	25.000	24.380	5.979447	5.830273		-2.5	20
Trichloroethene	A	25.000	23.690	1.406458	1.332551		-5.3	20
Vinyl chloride	A	25.000	25.870	2.942905	3.045878		3.5	20
Total Xylenes	A	75.000	72.080	2.253216	2.165625		-3.9	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 Global, LLC
110 W. 38th Ave, Suite 200A
Anchorage, ALASKA 99503

Reported: 7/10/2023 3:19:04PM
Project: Former USDB Lompoc
Project Number: 21044.006.01.000
Project Manager: Sommer Carter

CONTINUING CALIBRATION CHECK

EPA-8260C

Laboratory:	Pace Analytical - Bakersfield	SDG:	2311827
Client:	Ahtna Global, LLC $AHTT	Project:	Former USDB Lompoc
Instrument ID:	MS-V5	Calibration:	2306027
Lab File ID:	21JUN45.D	Calibration Date:	06/19/23 17:49
Sequence:	2309244	Injection Date:	06/21/23
Lab Sample ID:	2309244-CCV1	Injection Time:	23:30

	(1) CAL	CONC. (ug/L)		RESPONSE FACTOR			% DIFF / DRIFT (2)	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Benzene	A	25.000	24.400	11.3251	11.05472		-2.4	20
Bromodichloromethane	A	25.000	26.290	1.526897	1.605635		5.2	20
Bromoform	Q	25.000	25.110	0.2938099	0.3376184		0.4	20
Chloroform	A	25.000	25.460	5.554348	5.657545		1.9	20
Chloromethane	A	25.000	23.980	4.120791	3.95316		-4.1	20
Dibromochloromethane	A	25.000	26.880	0.6994638	0.752139		7.5	20
1,1-Dichloroethene	A	25.000	25.200	5.721759	5.767515		0.8	20
cis-1,2-Dichloroethene	A	25.000	24.850	2.965512	2.947357		-0.6	20
trans-1,2-Dichloroethene	A	25.000	24.390	2.924921	2.853534		-2.4	20
Methyl t-butyl ether	A	25.000	24.820	4.677978	4.645108		-0.7	20
Tetrachloroethene	A	25.000	24.480	1.355906	1.327702		-2.1	20
Toluene	A	25.000	24.340	3.047379	2.967418		-2.6	20
1,1,1-Trichloroethane	A	25.000	25.540	5.979447	6.107556		2.1	20
Trichloroethene	A	25.000	23.510	1.406458	1.322613		-6.0	20
Vinyl chloride	A	25.000	24.210	2.942905	2.849455		-3.2	20
Total Xylenes	A	75.000	73.400	2.253216	2.204804		-2.1	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 Global, LLC
110 W. 38th Ave, Suite 200A
Anchorage, ALASKA 99503

Reported: 7/10/2023 3:19:04PM
Project: Former USDB Lompoc
Project Number: 21044.006.01.000
Project Manager: Sommer Carter

CONTINUING CALIBRATION CHECK

EPA-8260C

Laboratory:	Pace Analytical - Bakersfield	SDG:	2311827
Client:	Ahtna Global, LLC $AHTT	Project:	Former USDB Lompoc
Instrument ID:	MS-V5	Calibration:	2306027
Lab File ID:	21JUN46.D	Calibration Date:	06/19/23 17:49
Sequence:	2309244	Injection Date:	06/21/23
Lab Sample ID:	2309244-CCV2	Injection Time:	23:55

COMPOUND	(1) CAL TYPE	CONC. (ug/L)		RESPONSE FACTOR			% DIFF / DRIFT (2)	
		STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Acetone	A	320.00	347.00	0.2863591	0.3105179		8.4	20
Methyl ethyl ketone	A	160.00	174.44	0.4788797	0.5221108		9.0	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 Manager: Sommer Carter

CONTINUING CALIBRATION CHECK

EPA-8260C

Laboratory:	Pace Analytical - Bakersfield	SDG:	2311827
Client:	Ahtna Global, LLC $AHTT	Project:	Former USDB Lompoc
Instrument ID:	MS-V5	Calibration:	2306027
Lab File ID:	22JUN02.D	Calibration Date:	06/19/23 17:49
Sequence:	2309244	Injection Date:	06/22/23
Lab Sample ID:	2309244-CCV3	Injection Time:	09:14

	(1) CAL	CONC. (ug/L)		RESPONSE FACTOR			% DIFF / DRIFT (2)	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Benzene	A	25.000	23.910	11.3251	10.83224		-4.4	20
Bromodichloromethane	A	25.000	25.390	1.526897	1.550578		1.6	20
Bromoform	Q	25.000	24.690	0.2938099	0.3311543		-1.2	20
Chloroform	A	25.000	24.240	5.554348	5.385834		-3.0	20
Chloromethane	A	25.000	24.760	4.120791	4.080782		-1.0	20
Dibromochloromethane	A	25.000	25.960	0.6994638	0.7262659		3.8	20
1,1-Dichloroethene	A	25.000	24.730	5.721759	5.659122		-1.1	20
cis-1,2-Dichloroethene	A	25.000	25.120	2.965512	2.98016		0.5	20
trans-1,2-Dichloroethene	A	25.000	25.050	2.924921	2.931135		0.2	20
Methyl t-butyl ether	A	25.000	23.220	4.677978	4.344424		-7.1	20
Tetrachloroethene	A	25.000	25.070	1.355906	1.35997		0.3	20
Toluene	A	25.000	24.580	3.047379	2.996051		-1.7	20
1,1,1-Trichloroethane	A	25.000	24.810	5.979447	5.933481		-0.8	20
Trichloroethene	A	25.000	23.910	1.406458	1.345089		-4.4	20
Vinyl chloride	A	25.000	26.750	2.942905	3.148538		7.0	20
Total Xylenes	A	75.000	73.480	2.253216	2.207485		-2.0	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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Project: Former USDB Lompoc
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Project Manager: Sommer Carter

CONTINUING CALIBRATION CHECK

EPA-8260C

Laboratory:	Pace Analytical - Bakersfield	SDG:	2311827
Client:	Ahtna Global, LLC $AHTT	Project:	Former USDB Lompoc
Instrument ID:	MS-V5	Calibration:	2306027
Lab File ID:	22JUN03.D	Calibration Date:	06/19/23 17:49
Sequence:	2309244	Injection Date:	06/22/23
Lab Sample ID:	2309244-CCV4	Injection Time:	09:38

	(1) CAL	CONC. (ug/L)		RESPONSE FACTOR			% DIFF / DRIFT (2)	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Acetone	A	320.00	303.56	0.2863591	0.2716475		-5.1	20
Methyl ethyl ketone	A	160.00	157.62	0.4788797	0.4717688		-1.5	20

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

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

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

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

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Project: Former USDB Lompoc
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Project Manager: Sommer Carter

SURROGATE STANDARD RECOVERY AND RT SUMMARY

EPA-8260C

Laboratory: Pace Analytical - Bakersfield
Client: Ahtna Global, LLC $AHTT
Sequence: 2309240
Matrix: Water
SDG: 2311827
Project: Former USDB Lompoc
Instrument: MS-V5
Calibration: 2306027

Surrogate Compound	Spike Level ug/L	% Recovery	Recovery Limits	RT	Calibration Mean RT	RT Diff	RT Diff Limit	Q
Cal Standard (2309240-CAL1)			Lab File ID: 21JUN03.D		Analyzed: 06/21/23 06:37			
1,2-Dichloroethane-d4 (Surrogate)	10.000	132		7.76	7.761667	-0.0017	+/-1.0	
Toluene-d8 (Surrogate)	10.000	72.2		9.3	9.3	0.0000	+/-1.0	
4-Bromofluorobenzene (Surrogate)	10.000	100		10.99	10.985	0.0050	+/-1.0	
Cal Standard (2309240-CAL2)			Lab File ID: 21JUN05.D		Analyzed: 06/21/23 07:26			
1,2-Dichloroethane-d4 (Surrogate)	10.000	141		7.76	7.761667	-0.0017	+/-1.0	
Toluene-d8 (Surrogate)	10.000	75.1		9.3	9.3	0.0000	+/-1.0	
4-Bromofluorobenzene (Surrogate)	10.000	108		10.98	10.985	-0.0050	+/-1.0	
Cal Standard (2309240-CAL3)			Lab File ID: 21JUN06.D		Analyzed: 06/21/23 07:50			
1,2-Dichloroethane-d4 (Surrogate)	10.000	140		7.76	7.761667	-0.0017	+/-1.0	
Toluene-d8 (Surrogate)	10.000	73.7		9.3	9.3	0.0000	+/-1.0	
4-Bromofluorobenzene (Surrogate)	10.000	106		10.99	10.985	0.0050	+/-1.0	
Cal Standard (2309240-CAL4)			Lab File ID: 21JUN07.D		Analyzed: 06/21/23 08:14			
1,2-Dichloroethane-d4 (Surrogate)	10.000	142		7.76	7.761667	-0.0017	+/-1.0	
Toluene-d8 (Surrogate)	10.000	72.2		9.3	9.3	0.0000	+/-1.0	
4-Bromofluorobenzene (Surrogate)	10.000	107		10.98	10.985	-0.0050	+/-1.0	
Cal Standard (2309240-CAL5)			Lab File ID: 21JUN08.D		Analyzed: 06/21/23 08:38			
1,2-Dichloroethane-d4 (Surrogate)	10.000	148		7.77	7.761667	0.0083	+/-1.0	
Toluene-d8 (Surrogate)	10.000	73.3		9.3	9.3	0.0000	+/-1.0	
4-Bromofluorobenzene (Surrogate)	10.000	110		10.98	10.985	-0.0050	+/-1.0	
Cal Standard (2309240-CAL6)			Lab File ID: 21JUN09.D		Analyzed: 06/21/23 09:02			
1,2-Dichloroethane-d4 (Surrogate)	10.000	138		7.76	7.761667	-0.0017	+/-1.0	
Toluene-d8 (Surrogate)	10.000	73.3		9.3	9.3	0.0000	+/-1.0	
4-Bromofluorobenzene (Surrogate)	10.000	112		10.99	10.985	0.0050	+/-1.0	

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

Reported: 7/10/2023 3:19:04PM
Project: Former USDB Lompoc
Project Number: 21044.006.01.000
Project Manager: Sommer Carter

SURROGATE STANDARD RECOVERY AND RT SUMMARY

EPA-8260C

Laboratory: Pace Analytical - Bakersfield
Client: Ahtna Global, LLC $AHTT
Sequence: 2309244
Matrix: Water
SDG: 2311827
Project: Former USDB Lompoc
Instrument: MS-V5
Calibration: 2306027

Surrogate Compound	Spike Level ug/L	% Recovery	Recovery Limits	RT	Calibration Mean RT	RT Diff	RT Diff Limit	Q
Initial Cal Check (2309244-ICV1)			Lab File ID: 21JUN12.D		Analyzed: 06/21/23 10:15			
1,2-Dichloroethane-d4 (Surrogate)	10.000	101	80 - 120	7.76	7.761667	-0.0017	+/-1.0	
Toluene-d8 (Surrogate)	10.000	103	80 - 120	9.3	9.3	0.0000	+/-1.0	
4-Bromofluorobenzene (Surrogate)	10.000	106	80 - 120	10.99	10.985	0.0050	+/-1.0	
Initial Cal Blank (2309244-ICB1)			Lab File ID: 21JUN14.D		Analyzed: 06/21/23 11:03			
1,2-Dichloroethane-d4 (Surrogate)	10.000	95.1	81 - 118	7.76	7.761667	-0.0017	+/-1.0	
Toluene-d8 (Surrogate)	10.000	103	89 - 112	9.3	9.3	0.0000	+/-1.0	
4-Bromofluorobenzene (Surrogate)	10.000	96.7	85 - 114	10.99	10.985	0.0050	+/-1.0	
Calibration Check (2309244-CCV1)			Lab File ID: 21JUN45.D		Analyzed: 06/21/23 23:30			
1,2-Dichloroethane-d4 (Surrogate)	10.000	104	80 - 120	7.76	7.761667	-0.0017	+/-1.0	
Toluene-d8 (Surrogate)	10.000	99.6	80 - 120	9.3	9.3	0.0000	+/-1.0	
4-Bromofluorobenzene (Surrogate)	10.000	104	80 - 120	10.98	10.985	-0.0050	+/-1.0	
Calibration Blank (2309244-CCB1)			Lab File ID: 21JUN47.D		Analyzed: 06/22/23 00:19			
1,2-Dichloroethane-d4 (Surrogate)	10.000	99.6	81 - 118	7.76	7.761667	-0.0017	+/-1.0	
Toluene-d8 (Surrogate)	10.000	100	89 - 112	9.3	9.3	0.0000	+/-1.0	
4-Bromofluorobenzene (Surrogate)	10.000	94.7	85 - 114	10.98	10.985	-0.0050	+/-1.0	
Blank (B168556-BLK1)			Lab File ID: 21JUN48.D		Analyzed: 06/22/23 00:43			
1,2-Dichloroethane-d4 (Surrogate)	10.000	98.8	81 - 118	7.76	7.761667	-0.0017	+/-1.0	
Toluene-d8 (Surrogate)	10.000	98.1	89 - 112	9.3	9.3	0.0000	+/-1.0	
4-Bromofluorobenzene (Surrogate)	10.000	96.3	85 - 114	10.98	10.985	-0.0050	+/-1.0	
MW08A-0623-N (2311827-05)			Lab File ID: 21JUN49.D		Analyzed: 06/22/23 01:07			
1,2-Dichloroethane-d4 (Surrogate)	10.000	99.6	81 - 118	7.76	7.761667	-0.0017	+/-1.0	
Toluene-d8 (Surrogate)	10.000	96.7	89 - 112	9.3	9.3	0.0000	+/-1.0	
4-Bromofluorobenzene (Surrogate)	10.000	97.3	85 - 114	10.99	10.985	0.0050	+/-1.0	
MW01-0623-N (2311827-01)			Lab File ID: 21JUN50.D		Analyzed: 06/22/23 01:31			
1,2-Dichloroethane-d4 (Surrogate)	10.000	107	81 - 118	7.76	7.761667	-0.0017	+/-1.0	
Toluene-d8 (Surrogate)	10.000	97.0	89 - 112	9.3	9.3	0.0000	+/-1.0	
4-Bromofluorobenzene (Surrogate)	10.000	99.3	85 - 114	10.99	10.985	0.0050	+/-1.0	

Ahtna Global, LLC
110 W. 38th Ave, Suite 200A
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Reported: 7/10/2023 3:19:04PM
Project: Former USDB Lompoc
Project Number: 21044.006.01.000
Project Manager: Sommer Carter

SURROGATE STANDARD RECOVERY AND RT SUMMARY

EPA-8260C

Laboratory: Pace Analytical - Bakersfield
Client: Ahtna Global, LLC $AHTT
Sequence: 2309244
Matrix: Water
SDG: 2311827
Project: Former USDB Lompoc
Instrument: MS-V5
Calibration: 2306027

Surrogate Compound	Spike Level ug/L	% Recovery	Recovery Limits	RT	Calibration Mean RT	RT Diff	RT Diff Limit	Q
MW02-0623-N (2311827-02)			Lab File ID: 21JUN51.D		Analyzed: 06/22/23 01:55			
1,2-Dichloroethane-d4 (Surrogate)	10.000	98.4	81 - 118	7.76	7.761667	-0.0017	+/-1.0	
Toluene-d8 (Surrogate)	10.000	96.6	89 - 112	9.3	9.3	0.0000	+/-1.0	
4-Bromofluorobenzene (Surrogate)	10.000	96.2	85 - 114	10.99	10.985	0.0050	+/-1.0	
MW04A-0623-N (2311827-03)			Lab File ID: 21JUN52.D		Analyzed: 06/22/23 02:19			
1,2-Dichloroethane-d4 (Surrogate)	10.000	95.5	81 - 118	7.76	7.761667	-0.0017	+/-1.0	
Toluene-d8 (Surrogate)	10.000	101	89 - 112	9.3	9.3	0.0000	+/-1.0	
4-Bromofluorobenzene (Surrogate)	10.000	95.5	85 - 114	10.99	10.985	0.0050	+/-1.0	
MW05A-0623-N (2311827-04)			Lab File ID: 21JUN53.D		Analyzed: 06/22/23 02:43			
1,2-Dichloroethane-d4 (Surrogate)	10.000	104	81 - 118	7.76	7.761667	-0.0017	+/-1.0	
Toluene-d8 (Surrogate)	10.000	98.6	89 - 112	9.3	9.3	0.0000	+/-1.0	
4-Bromofluorobenzene (Surrogate)	10.000	97.8	85 - 114	10.99	10.985	0.0050	+/-1.0	
MW09A-0623-N (2311827-06)			Lab File ID: 21JUN54.D		Analyzed: 06/22/23 03:08			
1,2-Dichloroethane-d4 (Surrogate)	10.000	107	81 - 118	7.76	7.761667	-0.0017	+/-1.0	
Toluene-d8 (Surrogate)	10.000	99.3	89 - 112	9.3	9.3	0.0000	+/-1.0	
4-Bromofluorobenzene (Surrogate)	10.000	96.9	85 - 114	10.99	10.985	0.0050	+/-1.0	
MW10A-0623-N (2311827-07)			Lab File ID: 21JUN55.D		Analyzed: 06/22/23 03:32			
1,2-Dichloroethane-d4 (Surrogate)	10.000	107	81 - 118	7.76	7.761667	-0.0017	+/-1.0	
Toluene-d8 (Surrogate)	10.000	97.4	89 - 112	9.3	9.3	0.0000	+/-1.0	
4-Bromofluorobenzene (Surrogate)	10.000	95.5	85 - 114	10.99	10.985	0.0050	+/-1.0	
MW11A-0623-N (2311827-08)			Lab File ID: 21JUN56.D		Analyzed: 06/22/23 03:56			
1,2-Dichloroethane-d4 (Surrogate)	10.000	101	81 - 118	7.76	7.761667	-0.0017	+/-1.0	
Toluene-d8 (Surrogate)	10.000	97.6	89 - 112	9.3	9.3	0.0000	+/-1.0	
4-Bromofluorobenzene (Surrogate)	10.000	95.2	85 - 114	10.99	10.985	0.0050	+/-1.0	
MW12A-0623-N (2311827-09)			Lab File ID: 21JUN57.D		Analyzed: 06/22/23 04:20			
1,2-Dichloroethane-d4 (Surrogate)	10.000	102	81 - 118	7.76	7.761667	-0.0017	+/-1.0	
Toluene-d8 (Surrogate)	10.000	96.7	89 - 112	9.3	9.3	0.0000	+/-1.0	
4-Bromofluorobenzene (Surrogate)	10.000	97.4	85 - 114	10.99	10.985	0.0050	+/-1.0	

Ahtna Global, LLC
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Project: Former USDB Lompoc
Project Number: 21044.006.01.000
Project Manager: Sommer Carter

SURROGATE STANDARD RECOVERY AND RT SUMMARY

EPA-8260C

Laboratory: Pace Analytical - Bakersfield
Client: Ahtna Global, LLC $AHTT
Sequence: 2309244
Matrix: Water
SDG: 2311827
Project: Former USDB Lompoc
Instrument: MS-V5
Calibration: 2306027

Surrogate Compound	Spike Level ug/L	% Recovery	Recovery Limits	RT	Calibration Mean RT	RT Diff	RT Diff Limit	Q
MW12A-0623-D (2311827-10)			Lab File ID: 21JUN58.D		Analyzed: 06/22/23 04:44			
1,2-Dichloroethane-d4 (Surrogate)	10.000	105	81 - 118	7.76	7.761667	-0.0017	+/-1.0	
Toluene-d8 (Surrogate)	10.000	98.8	89 - 112	9.3	9.3	0.0000	+/-1.0	
4-Bromofluorobenzene (Surrogate)	10.000	101	85 - 114	10.99	10.985	0.0050	+/-1.0	
MW01A-0623-FB (2311827-11)			Lab File ID: 21JUN59.D		Analyzed: 06/22/23 05:08			
1,2-Dichloroethane-d4 (Surrogate)	10.000	102	81 - 118	7.76	7.761667	-0.0017	+/-1.0	
Toluene-d8 (Surrogate)	10.000	97.4	89 - 112	9.3	9.3	0.0000	+/-1.0	
4-Bromofluorobenzene (Surrogate)	10.000	94.9	85 - 114	10.99	10.985	0.0050	+/-1.0	
MW10A-0623-T (2311827-12)			Lab File ID: 21JUN60.D		Analyzed: 06/22/23 05:32			
1,2-Dichloroethane-d4 (Surrogate)	10.000	106	81 - 118	7.76	7.761667	-0.0017	+/-1.0	
Toluene-d8 (Surrogate)	10.000	99.5	89 - 112	9.3	9.3	0.0000	+/-1.0	
4-Bromofluorobenzene (Surrogate)	10.000	99.3	85 - 114	10.99	10.985	0.0050	+/-1.0	
MW11A-0623-N (2311827-08RE1)			Lab File ID: 21JUN61.D		Analyzed: 06/22/23 05:57			
1,2-Dichloroethane-d4 (Surrogate)	10.000	102	81 - 118	7.76	7.761667	-0.0017	+/-1.0	
Toluene-d8 (Surrogate)	10.000	96.0	89 - 112	9.3	9.3	0.0000	+/-1.0	
4-Bromofluorobenzene (Surrogate)	10.000	92.0	85 - 114	10.99	10.985	0.0050	+/-1.0	
MW12A-0623-D (2311827-10RE1)			Lab File ID: 21JUN62.D		Analyzed: 06/22/23 06:21			
1,2-Dichloroethane-d4 (Surrogate)	10.000	101	81 - 118	7.76	7.761667	-0.0017	+/-1.0	
Toluene-d8 (Surrogate)	10.000	98.1	89 - 112	9.3	9.3	0.0000	+/-1.0	
4-Bromofluorobenzene (Surrogate)	10.000	96.5	85 - 114	10.99	10.985	0.0050	+/-1.0	
LCS (B168556-BS1)			Lab File ID: 21JUN63.D		Analyzed: 06/22/23 06:45			
1,2-Dichloroethane-d4 (Surrogate)	10.000	102	81 - 118	7.76	7.761667	-0.0017	+/-1.0	
Toluene-d8 (Surrogate)	10.000	99.2	89 - 112	9.3	9.3	0.0000	+/-1.0	
4-Bromofluorobenzene (Surrogate)	10.000	102	85 - 114	10.99	10.985	0.0050	+/-1.0	
LCS Dup (B168556-BSD1)			Lab File ID: 21JUN64.D		Analyzed: 06/22/23 07:09			
1,2-Dichloroethane-d4 (Surrogate)	10.000	104	81 - 118	7.76	7.761667	-0.0017	+/-1.0	
Toluene-d8 (Surrogate)	10.000	102	89 - 112	9.3	9.3	0.0000	+/-1.0	
4-Bromofluorobenzene (Surrogate)	10.000	103	85 - 114	10.98	10.985	-0.0050	+/-1.0	

Ahtna Global, LLC
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Project: Former USDB Lompoc
Project Number: 21044.006.01.000
Project Manager: Sommer Carter

SURROGATE STANDARD RECOVERY AND RT SUMMARY

EPA-8260C

Laboratory: Pace Analytical - Bakersfield
Client: Ahtna Global, LLC $AHTT
Sequence: 2309244
Matrix: Water
SDG: 2311827
Project: Former USDB Lompoc
Instrument: MS-V5
Calibration: 2306027

Surrogate Compound	Spike Level ug/L	% Recovery	Recovery Limits	RT	Calibration Mean RT	RT Diff	RT Diff Limit	Q
Matrix Spike (B168556-MS1)			Lab File ID: 21JUN65.D		Analyzed: 06/22/23 07:33			
1,2-Dichloroethane-d4 (Surrogate)	10.000	99.8	81 - 118	7.76	7.761667	-0.0017	+/-1.0	
Toluene-d8 (Surrogate)	10.000	98.7	89 - 112	9.3	9.3	0.0000	+/-1.0	
4-Bromofluorobenzene (Surrogate)	10.000	106	85 - 114	10.98	10.985	-0.0050	+/-1.0	
Matrix Spike Dup (B168556-MSD1)			Lab File ID: 21JUN66.D		Analyzed: 06/22/23 07:57			
1,2-Dichloroethane-d4 (Surrogate)	10.000	93.8	81 - 118	7.76	7.761667	-0.0017	+/-1.0	
Toluene-d8 (Surrogate)	10.000	102	89 - 112	9.3	9.3	0.0000	+/-1.0	
4-Bromofluorobenzene (Surrogate)	10.000	102	85 - 114	10.98	10.985	-0.0050	+/-1.0	
Calibration Check (2309244-CCV3)			Lab File ID: 22JUN02.D		Analyzed: 06/22/23 09:14			
1,2-Dichloroethane-d4 (Surrogate)	10.000	97.1	80 - 120	7.76	7.761667	-0.0017	+/-1.0	
Toluene-d8 (Surrogate)	10.000	102	80 - 120	9.3	9.3	0.0000	+/-1.0	
4-Bromofluorobenzene (Surrogate)	10.000	105	80 - 120	10.99	10.985	0.0050	+/-1.0	
Calibration Blank (2309244-CCB2)			Lab File ID: 22JUN05.D		Analyzed: 06/22/23 10:26			
1,2-Dichloroethane-d4 (Surrogate)	10.000	95.2	81 - 118	7.76	7.761667	-0.0017	+/-1.0	
Toluene-d8 (Surrogate)	10.000	101	89 - 112	9.3	9.3	0.0000	+/-1.0	
4-Bromofluorobenzene (Surrogate)	10.000	92.3	85 - 114	10.99	10.985	0.0050	+/-1.0	

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Project: Former USDB Lompoc
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Project Manager: Sommer Carter

INTERNAL STANDARD AREA AND RT SUMMARY
EPA-8260C

Laboratory: Pace Analytical - Bakersfield
Client: Ahtna Global, LLC $AHTT
Sequence: 2309240
Matrix: Water
SDG: 2311827
Project: Former USDB Lompoc
Instrument: MS-V5
Calibration: 2306027

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
Cal Standard (2309240-CAL7)			Lab File ID: 19JUN17.D			Analyzed: 06/19/23 17:49			
Pentafluorobenzene (IS)	43210	7.45	54858	7.45	79	50 - 200	0.0000	+/-0.50	
Chlorobenzene-d5 (IS)	90449	10.28	116831	10.28	77	50 - 200	0.0000	+/-0.50	
1,4-Difluorobenzene (IS)	92361	8.16	125627	8.16	74	50 - 200	0.0000	+/-0.50	
Cal Standard (2309240-CAL8)			Lab File ID: 19JUN18.D			Analyzed: 06/19/23 18:13			
Pentafluorobenzene (IS)	39824	7.45	54858	7.45	73	50 - 200	0.0000	+/-0.50	
Chlorobenzene-d5 (IS)	86073	10.28	116831	10.28	74	50 - 200	0.0000	+/-0.50	
1,4-Difluorobenzene (IS)	85801	8.16	125627	8.16	68	50 - 200	0.0000	+/-0.50	
Cal Standard (2309240-CAL9)			Lab File ID: 19JUN19.D			Analyzed: 06/19/23 18:37			
Pentafluorobenzene (IS)	42892	7.46	54858	7.45	78	50 - 200	0.0100	+/-0.50	
Chlorobenzene-d5 (IS)	89077	10.28	116831	10.28	76	50 - 200	0.0000	+/-0.50	
1,4-Difluorobenzene (IS)	90127	8.16	125627	8.16	72	50 - 200	0.0000	+/-0.50	
Cal Standard (2309240-CALA)			Lab File ID: 19JUN20.D			Analyzed: 06/19/23 19:01			
Pentafluorobenzene (IS)	39953	7.46	54858	7.45	73	50 - 200	0.0100	+/-0.50	
Chlorobenzene-d5 (IS)	86547	10.28	116831	10.28	74	50 - 200	0.0000	+/-0.50	
1,4-Difluorobenzene (IS)	85236	8.16	125627	8.16	68	50 - 200	0.0000	+/-0.50	
Cal Standard (2309240-CALB)			Lab File ID: 19JUN21.D			Analyzed: 06/19/23 19:25			
Pentafluorobenzene (IS)	41985	7.46	54858	7.45	77	50 - 200	0.0100	+/-0.50	
Chlorobenzene-d5 (IS)	90860	10.28	116831	10.28	78	50 - 200	0.0000	+/-0.50	
1,4-Difluorobenzene (IS)	87221	8.16	125627	8.16	69	50 - 200	0.0000	+/-0.50	
Cal Standard (2309240-CALC)			Lab File ID: 19JUN22.D			Analyzed: 06/19/23 19:50			
Pentafluorobenzene (IS)	40092	7.45	54858	7.45	73	50 - 200	0.0000	+/-0.50	
Chlorobenzene-d5 (IS)	85451	10.27	116831	10.28	73	50 - 200	-0.0100	+/-0.50	
1,4-Difluorobenzene (IS)	87098	8.16	125627	8.16	69	50 - 200	0.0000	+/-0.50	
Cal Standard (2309240-CAL1)			Lab File ID: 21JUN03.D			Analyzed: 06/21/23 06:37			
Pentafluorobenzene (IS)	59226	7.46	54858	7.45	108	50 - 200	0.0100	+/-0.50	
Chlorobenzene-d5 (IS)	114997	10.28	116831	10.28	98	50 - 200	0.0000	+/-0.50	
1,4-Difluorobenzene (IS)	126489	8.16	125627	8.16	101	50 - 200	0.0000	+/-0.50	

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Project Manager: Sommer Carter

INTERNAL STANDARD AREA AND RT SUMMARY
EPA-8260C

Laboratory: Pace Analytical - Bakersfield
Client: Ahtna Global, LLC $AHTT
Sequence: 2309240
Matrix: Water
SDG: 2311827
Project: Former USDB Lompoc
Instrument: MS-V5
Calibration: 2306027

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
Cal Standard (2309240-CAL2)			Lab File ID: 21JUN05.D			Analyzed: 06/21/23 07:26			
Pentafluorobenzene (IS)	55587	7.45	54858	7.45	101	50 - 200	0.0000	+/-0.50	
Chlorobenzene-d5 (IS)	110863	10.28	116831	10.28	95	50 - 200	0.0000	+/-0.50	
1,4-Difluorobenzene (IS)	119905	8.16	125627	8.16	95	50 - 200	0.0000	+/-0.50	
Cal Standard (2309240-CAL3)			Lab File ID: 21JUN06.D			Analyzed: 06/21/23 07:50			
Pentafluorobenzene (IS)	55806	7.45	54858	7.45	102	50 - 200	0.0000	+/-0.50	
Chlorobenzene-d5 (IS)	113955	10.28	116831	10.28	98	50 - 200	0.0000	+/-0.50	
1,4-Difluorobenzene (IS)	121291	8.16	125627	8.16	97	50 - 200	0.0000	+/-0.50	
Cal Standard (2309240-CAL4)			Lab File ID: 21JUN07.D			Analyzed: 06/21/23 08:14			
Pentafluorobenzene (IS)	56479	7.45	54858	7.45	103	50 - 200	0.0000	+/-0.50	
Chlorobenzene-d5 (IS)	116430	10.28	116831	10.28	100	50 - 200	0.0000	+/-0.50	
1,4-Difluorobenzene (IS)	123503	8.16	125627	8.16	98	50 - 200	0.0000	+/-0.50	
Cal Standard (2309240-CAL5)			Lab File ID: 21JUN08.D			Analyzed: 06/21/23 08:38			
Pentafluorobenzene (IS)	54858	7.45	54858	7.45	100	50 - 200	0.0000	+/-0.50	
Chlorobenzene-d5 (IS)	116831	10.28	116831	10.28	100	50 - 200	0.0000	+/-0.50	
1,4-Difluorobenzene (IS)	125627	8.16	125627	8.16	100	50 - 200	0.0000	+/-0.50	
Cal Standard (2309240-CAL6)			Lab File ID: 21JUN09.D			Analyzed: 06/21/23 09:02			
Pentafluorobenzene (IS)	61109	7.45	54858	7.45	111	50 - 200	0.0000	+/-0.50	
Chlorobenzene-d5 (IS)	121805	10.28	116831	10.28	104	50 - 200	0.0000	+/-0.50	
1,4-Difluorobenzene (IS)	131198	8.16	125627	8.16	104	50 - 200	0.0000	+/-0.50	

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Reported: 7/10/2023 3:19:04PM
Project: Former USDB Lompoc
Project Number: 21044.006.01.000
Project Manager: Sommer Carter

INTERNAL STANDARD AREA AND RT SUMMARY
EPA-8260C

Laboratory: Pace Analytical - Bakersfield
Client: Ahtna Global, LLC $AHTT
Sequence: 2309244
Matrix: Water
SDG: 2311827
Project: Former USDB Lompoc
Instrument: MS-V5
Calibration: 2306027

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
Initial Cal Check (2309244-ICV2)			Lab File ID: 19JUN25.D			Analyzed: 06/19/23 21:02			
Pentafluorobenzene (IS)	42662	7.46	54858	7.45	78	50 - 200	0.0100	+/-0.50	
Chlorobenzene-d5 (IS)	91620	10.28	116831	10.28	78	50 - 200	0.0000	+/-0.50	
1,4-Difluorobenzene (IS)	88305	8.16	125627	8.16	70	50 - 200	0.0000	+/-0.50	
Initial Cal Blank (2309244-ICB2)			Lab File ID: 19JUN27.D			Analyzed: 06/19/23 21:51			
Pentafluorobenzene (IS)	42838	7.46	54858	7.45	78	50 - 200	0.0100	+/-0.50	
Chlorobenzene-d5 (IS)	87849	10.28	116831	10.28	75	50 - 200	0.0000	+/-0.50	
1,4-Difluorobenzene (IS)	88644	8.16	125627	8.16	71	50 - 200	0.0000	+/-0.50	
Initial Cal Check (2309244-ICV1)			Lab File ID: 21JUN12.D			Analyzed: 06/21/23 10:15			
Pentafluorobenzene (IS)	50342	7.45	54858	7.45	92	50 - 200	0.0000	+/-0.50	
Chlorobenzene-d5 (IS)	103123	10.28	116831	10.28	88	50 - 200	0.0000	+/-0.50	
1,4-Difluorobenzene (IS)	109199	8.16	125627	8.16	87	50 - 200	0.0000	+/-0.50	
Initial Cal Blank (2309244-ICB1)			Lab File ID: 21JUN14.D			Analyzed: 06/21/23 11:03			
Pentafluorobenzene (IS)	51929	7.45	54858	7.45	95	50 - 200	0.0000	+/-0.50	
Chlorobenzene-d5 (IS)	102845	10.28	116831	10.28	88	50 - 200	0.0000	+/-0.50	
1,4-Difluorobenzene (IS)	109175	8.16	125627	8.16	87	50 - 200	0.0000	+/-0.50	
Calibration Check (2309244-CCV1)			Lab File ID: 21JUN45.D			Analyzed: 06/21/23 23:30			
Pentafluorobenzene (IS)	47566	7.45	54858	7.45	87	50 - 200	0.0000	+/-0.50	
Chlorobenzene-d5 (IS)	99119	10.28	116831	10.28	85	50 - 200	0.0000	+/-0.50	
1,4-Difluorobenzene (IS)	106266	8.16	125627	8.16	85	50 - 200	0.0000	+/-0.50	
Calibration Check (2309244-CCV2)			Lab File ID: 21JUN46.D			Analyzed: 06/21/23 23:55			
Pentafluorobenzene (IS)	50688	7.45	54858	7.45	92	50 - 200	0.0000	+/-0.50	
Chlorobenzene-d5 (IS)	101733	10.27	116831	10.28	87	50 - 200	-0.0100	+/-0.50	
1,4-Difluorobenzene (IS)	108397	8.16	125627	8.16	86	50 - 200	0.0000	+/-0.50	
Calibration Blank (2309244-CCB1)			Lab File ID: 21JUN47.D			Analyzed: 06/22/23 00:19			
Pentafluorobenzene (IS)	50066	7.45	54858	7.45	91	50 - 200	0.0000	+/-0.50	
Chlorobenzene-d5 (IS)	100947	10.28	116831	10.28	86	50 - 200	0.0000	+/-0.50	
1,4-Difluorobenzene (IS)	107558	8.16	125627	8.16	86	50 - 200	0.0000	+/-0.50	

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Project Manager: Sommer Carter

INTERNAL STANDARD AREA AND RT SUMMARY
EPA-8260C

Laboratory: Pace Analytical - Bakersfield
Client: Ahtna Global, LLC $AHTT
Sequence: 2309244
Matrix: Water
SDG: 2311827
Project: Former USDB Lompoc
Instrument: MS-V5
Calibration: 2306027

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
Blank (B168556-BLK1)			Lab File ID: 21JUN48.D			Analyzed: 06/22/23 00:43			
Pentafluorobenzene (IS)	49910	7.45	54858	7.45	91	50 - 200	0.0000	+/-0.50	
Chlorobenzene-d5 (IS)	97634	10.28	116831	10.28	84	50 - 200	0.0000	+/-0.50	
1,4-Difluorobenzene (IS)	109005	8.16	125627	8.16	87	50 - 200	0.0000	+/-0.50	
MW08A-0623-N (2311827-05)			Lab File ID: 21JUN49.D			Analyzed: 06/22/23 01:07			
Pentafluorobenzene (IS)	49243	7.45	54858	7.45	90	50 - 200	0.0000	+/-0.50	
Chlorobenzene-d5 (IS)	97903	10.28	116831	10.28	84	50 - 200	0.0000	+/-0.50	
1,4-Difluorobenzene (IS)	108185	8.16	125627	8.16	86	50 - 200	0.0000	+/-0.50	
MW01-0623-N (2311827-01)			Lab File ID: 21JUN50.D			Analyzed: 06/22/23 01:31			
Pentafluorobenzene (IS)	46726	7.46	54858	7.45	85	50 - 200	0.0100	+/-0.50	
Chlorobenzene-d5 (IS)	94893	10.28	116831	10.28	81	50 - 200	0.0000	+/-0.50	
1,4-Difluorobenzene (IS)	105731	8.16	125627	8.16	84	50 - 200	0.0000	+/-0.50	
MW02-0623-N (2311827-02)			Lab File ID: 21JUN51.D			Analyzed: 06/22/23 01:55			
Pentafluorobenzene (IS)	49782	7.46	54858	7.45	91	50 - 200	0.0100	+/-0.50	
Chlorobenzene-d5 (IS)	96702	10.27	116831	10.28	83	50 - 200	-0.0100	+/-0.50	
1,4-Difluorobenzene (IS)	107945	8.16	125627	8.16	86	50 - 200	0.0000	+/-0.50	
MW04A-0623-N (2311827-03)			Lab File ID: 21JUN52.D			Analyzed: 06/22/23 02:19			
Pentafluorobenzene (IS)	49138	7.45	54858	7.45	90	50 - 200	0.0000	+/-0.50	
Chlorobenzene-d5 (IS)	95058	10.28	116831	10.28	81	50 - 200	0.0000	+/-0.50	
1,4-Difluorobenzene (IS)	101367	8.15	125627	8.16	81	50 - 200	-0.0100	+/-0.50	
MW05A-0623-N (2311827-04)			Lab File ID: 21JUN53.D			Analyzed: 06/22/23 02:43			
Pentafluorobenzene (IS)	46464	7.46	54858	7.45	85	50 - 200	0.0100	+/-0.50	
Chlorobenzene-d5 (IS)	94310	10.27	116831	10.28	81	50 - 200	-0.0100	+/-0.50	
1,4-Difluorobenzene (IS)	103473	8.16	125627	8.16	82	50 - 200	0.0000	+/-0.50	
MW09A-0623-N (2311827-06)			Lab File ID: 21JUN54.D			Analyzed: 06/22/23 03:08			
Pentafluorobenzene (IS)	46114	7.45	54858	7.45	84	50 - 200	0.0000	+/-0.50	
Chlorobenzene-d5 (IS)	92275	10.28	116831	10.28	79	50 - 200	0.0000	+/-0.50	
1,4-Difluorobenzene (IS)	102458	8.16	125627	8.16	82	50 - 200	0.0000	+/-0.50	

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Project Manager: Sommer Carter

INTERNAL STANDARD AREA AND RT SUMMARY
EPA-8260C

Laboratory: Pace Analytical - Bakersfield
Client: Ahtna Global, LLC $AHTT
Sequence: 2309244
Matrix: Water
SDG: 2311827
Project: Former USDB Lompoc
Instrument: MS-V5
Calibration: 2306027

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
MW10A-0623-N (2311827-07)			Lab File ID: 21JUN55.D			Analyzed: 06/22/23 03:32			
Pentafluorobenzene (IS)	45411	7.46	54858	7.45	83	50 - 200	0.0100	+/-0.50	
Chlorobenzene-d5 (IS)	91184	10.28	116831	10.28	78	50 - 200	0.0000	+/-0.50	
1,4-Difluorobenzene (IS)	102472	8.16	125627	8.16	82	50 - 200	0.0000	+/-0.50	
MW11A-0623-N (2311827-08)			Lab File ID: 21JUN56.D			Analyzed: 06/22/23 03:56			
Pentafluorobenzene (IS)	47007	7.45	54858	7.45	86	50 - 200	0.0000	+/-0.50	
Chlorobenzene-d5 (IS)	91753	10.28	116831	10.28	79	50 - 200	0.0000	+/-0.50	
1,4-Difluorobenzene (IS)	102319	8.16	125627	8.16	81	50 - 200	0.0000	+/-0.50	
MW12A-0623-N (2311827-09)			Lab File ID: 21JUN57.D			Analyzed: 06/22/23 04:20			
Pentafluorobenzene (IS)	46317	7.45	54858	7.45	84	50 - 200	0.0000	+/-0.50	
Chlorobenzene-d5 (IS)	91220	10.28	116831	10.28	78	50 - 200	0.0000	+/-0.50	
1,4-Difluorobenzene (IS)	102687	8.16	125627	8.16	82	50 - 200	0.0000	+/-0.50	
MW12A-0623-D (2311827-10)			Lab File ID: 21JUN58.D			Analyzed: 06/22/23 04:44			
Pentafluorobenzene (IS)	55850	7.45	54858	7.45	102	50 - 200	0.0000	+/-0.50	
Chlorobenzene-d5 (IS)	111240	10.28	116831	10.28	95	50 - 200	0.0000	+/-0.50	
1,4-Difluorobenzene (IS)	122149	8.16	125627	8.16	97	50 - 200	0.0000	+/-0.50	
MW01A-0623-FB (2311827-11)			Lab File ID: 21JUN59.D			Analyzed: 06/22/23 05:08			
Pentafluorobenzene (IS)	56063	7.46	54858	7.45	102	50 - 200	0.0100	+/-0.50	
Chlorobenzene-d5 (IS)	110107	10.27	116831	10.28	94	50 - 200	-0.0100	+/-0.50	
1,4-Difluorobenzene (IS)	119004	8.16	125627	8.16	95	50 - 200	0.0000	+/-0.50	
MW10A-0623-T (2311827-12)			Lab File ID: 21JUN60.D			Analyzed: 06/22/23 05:32			
Pentafluorobenzene (IS)	54345	7.46	54858	7.45	99	50 - 200	0.0100	+/-0.50	
Chlorobenzene-d5 (IS)	106626	10.28	116831	10.28	91	50 - 200	0.0000	+/-0.50	
1,4-Difluorobenzene (IS)	119814	8.16	125627	8.16	95	50 - 200	0.0000	+/-0.50	
MW11A-0623-N (2311827-08RE1)			Lab File ID: 21JUN61.D			Analyzed: 06/22/23 05:57			
Pentafluorobenzene (IS)	55084	7.46	54858	7.45	100	50 - 200	0.0100	+/-0.50	
Chlorobenzene-d5 (IS)	112786	10.28	116831	10.28	97	50 - 200	0.0000	+/-0.50	
1,4-Difluorobenzene (IS)	123219	8.16	125627	8.16	98	50 - 200	0.0000	+/-0.50	

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Project Manager: Sommer Carter

INTERNAL STANDARD AREA AND RT SUMMARY
EPA-8260C

Laboratory: Pace Analytical - Bakersfield
Client: Ahtna Global, LLC $AHTT
Sequence: 2309244
Matrix: Water

SDG: 2311827
Project: Former USDB Lompoc
Instrument: MS-V5
Calibration: 2306027

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
MW12A-0623-D (2311827-10RE1)			Lab File ID: 21JUN62.D			Analyzed: 06/22/23 06:21			
Pentafluorobenzene (IS)	53659	7.46	54858	7.45	98	50 - 200	0.0100	+/-0.50	
Chlorobenzene-d5 (IS)	104473	10.28	116831	10.28	89	50 - 200	0.0000	+/-0.50	
1,4-Difluorobenzene (IS)	119159	8.16	125627	8.16	95	50 - 200	0.0000	+/-0.50	
LCS (B168556-BS1)			Lab File ID: 21JUN63.D			Analyzed: 06/22/23 06:45			
Pentafluorobenzene (IS)	55234	7.46	54858	7.45	101	50 - 200	0.0100	+/-0.50	
Chlorobenzene-d5 (IS)	117341	10.28	116831	10.28	100	50 - 200	0.0000	+/-0.50	
1,4-Difluorobenzene (IS)	122090	8.16	125627	8.16	97	50 - 200	0.0000	+/-0.50	
LCS Dup (B168556-BSD1)			Lab File ID: 21JUN64.D			Analyzed: 06/22/23 07:09			
Pentafluorobenzene (IS)	58477	7.46	54858	7.45	107	50 - 200	0.0100	+/-0.50	
Chlorobenzene-d5 (IS)	127931	10.28	116831	10.28	110	50 - 200	0.0000	+/-0.50	
1,4-Difluorobenzene (IS)	131880	8.16	125627	8.16	105	50 - 200	0.0000	+/-0.50	
Matrix Spike (B168556-MS1)			Lab File ID: 21JUN65.D			Analyzed: 06/22/23 07:33			
Pentafluorobenzene (IS)	66895	7.46	54858	7.45	122	50 - 200	0.0100	+/-0.50	
Chlorobenzene-d5 (IS)	135675	10.28	116831	10.28	116	50 - 200	0.0000	+/-0.50	
1,4-Difluorobenzene (IS)	148954	8.16	125627	8.16	119	50 - 200	0.0000	+/-0.50	
Matrix Spike Dup (B168556-MSD1)			Lab File ID: 21JUN66.D			Analyzed: 06/22/23 07:57			
Pentafluorobenzene (IS)	75978	7.45	54858	7.45	138	50 - 200	0.0000	+/-0.50	
Chlorobenzene-d5 (IS)	155442	10.28	116831	10.28	133	50 - 200	0.0000	+/-0.50	
1,4-Difluorobenzene (IS)	159372	8.16	125627	8.16	127	50 - 200	0.0000	+/-0.50	
Calibration Check (2309244-CCV3)			Lab File ID: 22JUN02.D			Analyzed: 06/22/23 09:14			
Pentafluorobenzene (IS)	53368	7.46	54858	7.45	97	50 - 200	0.0100	+/-0.50	
Chlorobenzene-d5 (IS)	110508	10.28	116831	10.28	95	50 - 200	0.0000	+/-0.50	
1,4-Difluorobenzene (IS)	118675	8.16	125627	8.16	94	50 - 200	0.0000	+/-0.50	
Calibration Check (2309244-CCV4)			Lab File ID: 22JUN03.D			Analyzed: 06/22/23 09:38			
Pentafluorobenzene (IS)	58074	7.45	54858	7.45	106	50 - 200	0.0000	+/-0.50	
Chlorobenzene-d5 (IS)	119902	10.28	116831	10.28	103	50 - 200	0.0000	+/-0.50	
1,4-Difluorobenzene (IS)	121030	8.16	125627	8.16	96	50 - 200	0.0000	+/-0.50	

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Project Manager: Sommer Carter

INTERNAL STANDARD AREA AND RT SUMMARY
EPA-8260C

Laboratory: Pace Analytical - Bakersfield
Client: Ahtna Global, LLC $AHTT
Sequence: 2309244
Matrix: Water
SDG: 2311827
Project: Former USDB Lompoc
Instrument: MS-V5
Calibration: 2306027

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
Calibration Blank (2309244-CCB2)			Lab File ID: 22JUN05.D			Analyzed: 06/22/23 10:26			
Pentafluorobenzene (IS)	56436	7.45	54858	7.45	103	50 - 200	0.0000	+/-0.50	
Chlorobenzene-d5 (IS)	115102	10.27	116831	10.28	99	50 - 200	-0.0100	+/-0.50	
1,4-Difluorobenzene (IS)	123093	8.15	125627	8.16	98	50 - 200	-0.0100	+/-0.50	

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INITIAL CALIBRATION STANDARDS

EPA-8260C

Laboratory:	Pace Analytical - Bakersfield	SDG:	2311827
Client:	Ahtna Global, LLC $AHTT	Project:	Former USDB Lompoc
Sequence:	2309240	Instrument:	MS-V5
Calibration:	2306027		

Standard ID	Description	Lab Sample ID	Lab File ID	Analysis Date/Time
3D05001	8260 /524.2 V5 BFB 25NG	2309240-TUN2	19JUN03.D	06/19/23 12:08
3F19028	8260 B/524.2 V5 2309003-CAL7	2309240-CAL7	19JUN17.D	06/19/23 17:49
3F19029	8260 B/524.2 V5 2309003-CAL8	2309240-CAL8	19JUN18.D	06/19/23 18:13
3F19030	8260 B/524.2 V5 2309003-CAL9	2309240-CAL9	19JUN19.D	06/19/23 18:37
3F19031	8260 B/524.2 V5 2309003-CALA	2309240-CALA	19JUN20.D	06/19/23 19:01
3F19032	8260 B/524.2 V5 2309003-CALB	2309240-CALB	19JUN21.D	06/19/23 19:25
3F19033	8260 B/524.2 V5 2309003-CALC	2309240-CALC	19JUN22.D	06/19/23 19:50
3D05001	8260 /524.2 V5 BFB 25NG	2309240-TUN1	21JUN02.D	06/21/23 06:12
3F21001	8260 B/524.2 V5 2309128-CAL1	2309240-CAL1	21JUN03.D	06/21/23 06:37
3F21002	8260 B/524.2 V5 2309128-CAL2	2309240-CAL2	21JUN05.D	06/21/23 07:26
3F21003	8260 B/524.2 V5 2309128-CAL3	2309240-CAL3	21JUN06.D	06/21/23 07:50
3F21004	8260 B/524.2 V5 2309128-CAL4	2309240-CAL4	21JUN07.D	06/21/23 08:14
3F21005	8260 B/524.2 V5 2309128-CAL5	2309240-CAL5	21JUN08.D	06/21/23 08:38
3F21006	8260 B/524.2 V5 2309128-CAL6	2309240-CAL6	21JUN09.D	06/21/23 09:02

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INITIAL CALIBRATION DATA
EPA-8260C

Laboratory: Pace Analytical - Bakersfield
Client: Ahtna Global, LLC $AHTT
Calibration: 2306027
Matrix: Water
SDG: 2311827
Project: Former USDB Lompoc
Instrument: MS-V5
Calibration Date: 06/19/23 17:49

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	13.01658	1	12.13143	5	11.44762	10	10.88043	25	11.092	50	9.38251
Bromodichloromethane	0.5	1.52867	1	1.476252	5	1.441146	10	1.516919	25	1.569761	50	1.628632
Bromoform	0.5	0.2274842	1	0.2296528	5	0.2730903	10	0.3046637	25	0.3394442	50	0.3885243
Chloroform	0.5	5.84338	1	5.561552	5	5.48751	10	5.466138	25	5.683583	50	5.283925
Chloromethane	0.5	4.152568	1	4.347419	5	4.110562	10	3.897342	25	4.139349	50	4.077504
Dibromochloromethane	0.5	0.6938153	1	0.6091489	5	0.6508809	10	0.6796191	25	0.7399906	50	0.8233281
1,1-Dichloroethene	0.5	5.969675	1	5.733895	5	5.773644	10	5.561766	25	5.841431	50	5.450143
cis-1,2-Dichloroethene	0.5	3.076014	1	2.884487	5	3.08827	10	2.870129	25	3.007474	50	2.866697
trans-1,2-Dichloroethene	0.5	3.093236	1	3.015633	5	2.952156	10	2.828272	25	2.892275	50	2.767956
Methyl t-butyl ether	0.5	4.963023	1	4.939464	5	4.460273	10	4.430479	25	4.69883	50	4.575797
Tetrachloroethene	0.5	1.339247	1	1.417872	5	1.361568	10	1.301377	25	1.341505	50	1.373867
Toluene	0.5	3.237752	1	3.180184	5	3.123167	10	2.975239	25	2.937741	50	2.830194
1,1,1-Trichloroethane	0.5	5.991625	1	6.344829	5	5.929434	10	5.746047	25	6.1282	50	5.736549
Trichloroethene	0.5	1.590652	1	1.416204	5	1.413081	10	1.319077	25	1.324569	50	1.375166
Vinyl chloride	0.5	3.008476	1	2.921367	5	2.845321	10	2.836187	25	3.022801	50	3.023276
Total Xylenes	1.5	2.448064	3	2.497286	15	2.222614	30	2.162584	75	2.161035	150	2.027714
Acetone												
Methyl ethyl ketone												
1,2-Dichloroethane-d4 (Surrogate)	10	2.450123	10	2.620253	10	2.598663	10	2.637582	10	2.758194	10	2.559639
Toluene-d8 (Surrogate)	10	4.116405	10	4.281139	10	4.204335	10	4.114977	10	4.178266	10	4.180346
4-Bromofluorobenzene (Surrogate)	10	1.362444	10	1.47869	10	1.438778	10	1.454239	10	1.498618	10	1.524888

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

Reported: 7/10/2023 3:19:04PM
Project: Former USDB Lompoc
Project Number: 21044.006.01.000
Project Manager: Sommer Carter

INITIAL CALIBRATION DATA (Continued)

EPA-8260C

Laboratory: Pace Analytical - Bakersfield
Client: Ahtna Global, LLC $AHTT
Calibration: 2306027
Matrix: Water
SDG: 2311827
Project: Former USDB Lompoc
Instrument: MS-V5
Calibration Date: 06/19/23 17:49

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	0.3216125	64	0.3174672	160	0.259419	320	0.2848097	480	0.2661715	800	0.2686749
Methyl ethyl ketone	8	0.4806758	32	0.5307886	80	0.4438503	160	0.4901525	240	0.4610635	400	0.4667477
1,2-Dichloroethane-d4 (Surrogate)												
Toluene-d8 (Surrogate)												
4-Bromofluorobenzene (Surrogate)												

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Reported: 7/10/2023 3:19:04PM
Project: Former USDB Lompoc
Project Number: 21044.006.01.000
Project Manager: Sommer Carter

INITIAL CALIBRATION DATA (Continued)

EPA-8260C

Laboratory: Pace Analytical - Bakersfield
Client: Ahtna Global, LLC $AHTT
Calibration: 2306027
Matrix: Water
SDG: 2311827
Project: Former USDB Lompoc
Instrument: MS-V5
Calibration Date: 06/19/23 17:49

Compound	Mean RF	RF RSD	Mean RT	RT RSD	Linear COD	Quad COD	LIMIT	Q
Benzene	11.3251	10.85186	7.79	1.832982E-02			15	
Bromodichloromethane	1.526897	4.364772	8.78	1.335599E-02			15	
Bromoform	0.2938099	21.58816	10.8	1.727045E-02				
Chloroform	5.554348	3.469368	7.271667	5.854044E-02			15	
Chloromethane	4.120791	3.510317	2.53	7.727578E-03			15	
Dibromochloromethane	0.6994638	10.6848	9.901666	4.425904E-02			15	
1,1-Dichloroethene	5.721759	3.297538	4.443333	0.1152199			15	
cis-1,2-Dichloroethene	2.965512	3.519584	6.901667	5.736552E-02			15	
trans-1,2-Dichloroethene	2.924921	4.112482	5.511667	7.224788E-02			15	
Methyl t-butyl ether	4.677978	4.959721	5.491666	7.248393E-02			15	
Tetrachloroethene	1.355906	2.885325	9.71	1.837464E-02			15	
Toluene	3.047379	5.168071	9.35	1.232276E-02			15	
1,1,1-Trichloroethane	5.979447	3.898883	7.443333	6.878104E-02			15	
Trichloroethene	1.406458	7.066308	8.368333	5.176076E-02			15	
Vinyl chloride	2.942905	2.982416	2.691667	0.1513304			15	
Total Xylenes	2.253216	8.087462	10.66	7.135707E-03			15	
Acetone	0.2863591	9.446762	4.491666	8.862136E-02			15	
Methyl ethyl ketone	0.4788797	6.276097	6.88	1.882391E-02			15	
1,2-Dichloroethane-d4 (Surrogate)	2.604076	3.872353	7.761667	4.917736E-02			15	
Toluene-d8 (Surrogate)	4.179245	1.478594	9.3	1.642944E-02			15	
4-Bromofluorobenzene (Surrogate)	1.45961	3.881763	10.985	4.971352E-02			15	

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Reported: 7/10/2023 3:19:04PM
Project: Former USDB Lompoc
Project Number: 21044.006.01.000
Project Manager: Sommer Carter

HOLDING TIME SUMMARY

EPA-8260C

Laboratory: Pace Analytical - Bakersfield
SDG: 2311827
Client: Ahtna Global, LLC $AHTT
Project: Former USDB Lompoc

Sample Name	Date Collected	Date Received	Date Prepared	Days to Prep	Max Days to Prep	Date Analyzed	Days to Analysis	Max Days to Analysis	Q
MW01-0623-N	06/15/23 10:55	06/16/23 10:18	06/21/23 11:46	7.00	14.00	06/22/23 01:31	7.00	14.00	
MW02-0623-N	06/15/23 09:45	06/16/23 10:18	06/21/23 11:46	7.00	14.00	06/22/23 01:55	7.00	14.00	
MW04A-0623-N	06/15/23 07:52	06/16/23 10:18	06/21/23 11:46	7.00	14.00	06/22/23 02:19	7.00	14.00	
MW05A-0623-N	06/15/23 08:35	06/16/23 10:18	06/21/23 11:46	7.00	14.00	06/22/23 02:43	7.00	14.00	
MW08A-0623-N	06/15/23 09:35	06/16/23 10:18	06/21/23 11:46	7.00	14.00	06/22/23 01:07	7.00	14.00	
MW09A-0623-N	06/15/23 09:13	06/16/23 10:18	06/21/23 11:46	7.00	14.00	06/22/23 03:08	7.00	14.00	
MW10A-0623-N	06/15/23 08:05	06/16/23 10:18	06/21/23 11:46	7.00	14.00	06/22/23 03:32	7.00	14.00	
MW11A-0623-N	06/15/23 08:20	06/16/23 10:18	06/21/23 11:46	7.00	14.00	06/22/23 03:56	7.00	14.00	
MW11A-0623-N	06/15/23 08:20	06/16/23 10:18	06/21/23 11:46	7.00	14.00	06/22/23 05:57	7.00	14.00	
MW12A-0623-N	06/15/23 08:52	06/16/23 10:18	06/21/23 11:46	7.00	14.00	06/22/23 04:20	7.00	14.00	
MW12A-0623-D	06/15/23 08:55	06/16/23 10:18	06/21/23 11:46	7.00	14.00	06/22/23 04:44	7.00	14.00	
MW12A-0623-D	06/15/23 08:55	06/16/23 10:18	06/21/23 11:46	7.00	14.00	06/22/23 06:21	7.00	14.00	
MW01A-0623-FB	06/15/23 11:05	06/16/23 10:18	06/21/23 11:46	7.00	14.00	06/22/23 05:08	7.00	14.00	
MW10A-0623-T	06/15/23 07:55	06/16/23 10:18	06/21/23 11:46	7.00	14.00	06/22/23 05:32	7.00	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\JUN2023C\JUN21\21JUN50.D Vial: 50
Acq On : 22 Jun 2023 1:31 am Operator: MGC
Sample : 2311827-01 Inst : MS-V5
Misc : 1 ;25ML;pH<2 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jun 22 11:31 2023 Quant Results File: 82605C.RES

Quant Method : C:\HPCHEM\1...\82605C.M (RTE Integrator)
Title : EPA Method 8260C/D
Last Update : Thu Jun 22 11:15:56 2023
Response via : Initial Calibration
DataAcq Meth : 82605

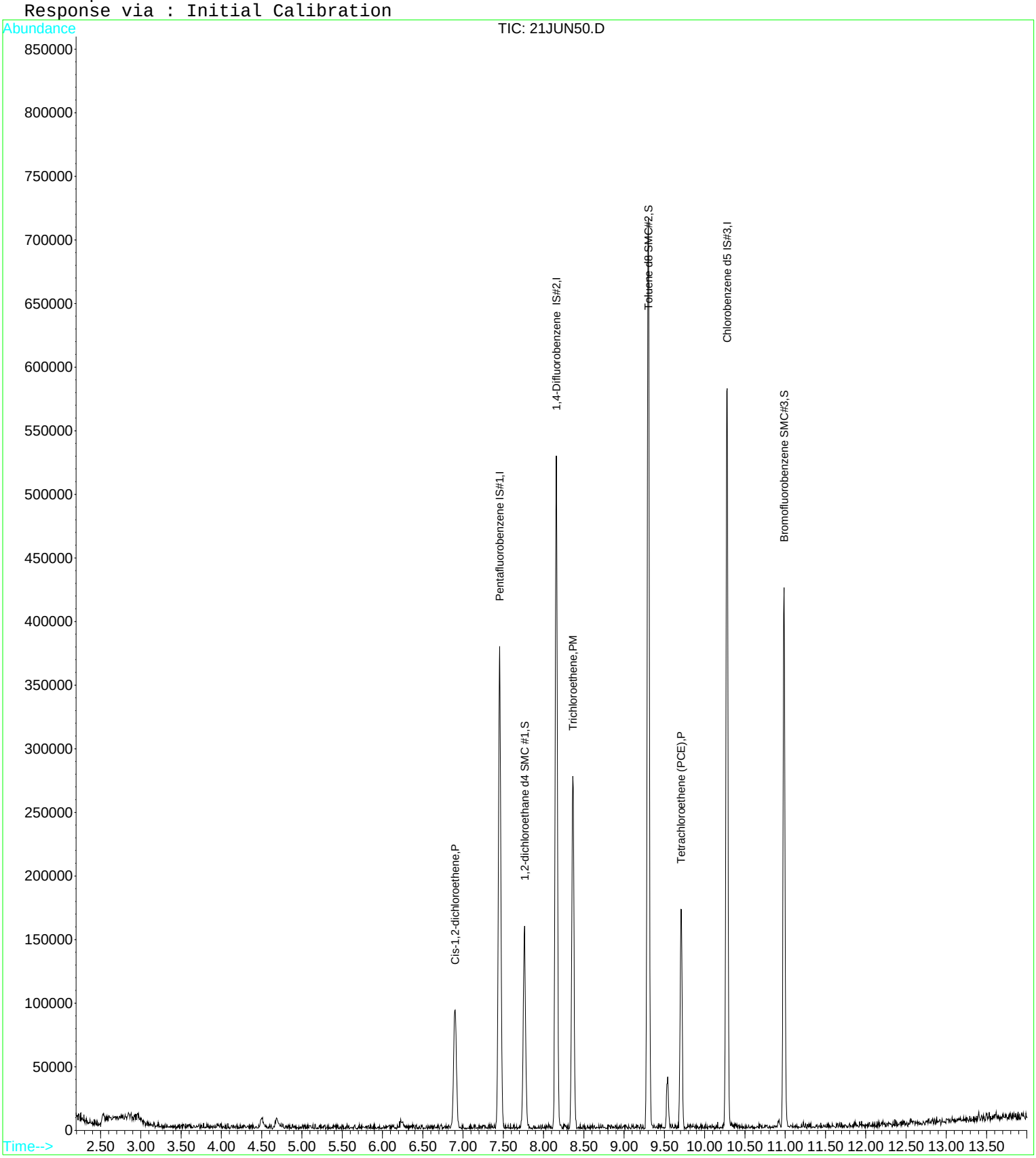
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene IS#1	7.46	137	46726	10.00	ug/L	0.00
26) 1,4-Difluorobenzene IS#2	8.16	63	105731	10.00	ug/L	0.00
41) Chlorobenzene d5 IS#3	10.28	119	94893	10.00	ug/L	0.00
System Monitoring Compounds						
23) 1,2-dichloroethane d4 SMC	7.76	65	130394	10.72	ug/L	0.00
Spiked Amount 10.000	Range 75 - 125		Recovery = 107.20%			
33) Toluene d8 SMC#2	9.30	98	428624	9.70	ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 97.00%			
51) Bromofluorobenzene SMC#3	10.99	95	137474	9.93	ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 99.30%			
Target Compounds						Qvalue
17) Cis-1,2-dichloroethene	6.90	96	48437	3.50	ug/L	85
27) Trichloroethene	8.36	130	86913	5.84	ug/L	98
37) Tetrachloroethene (PCE)	9.71	166	46367	3.23	ug/L	98

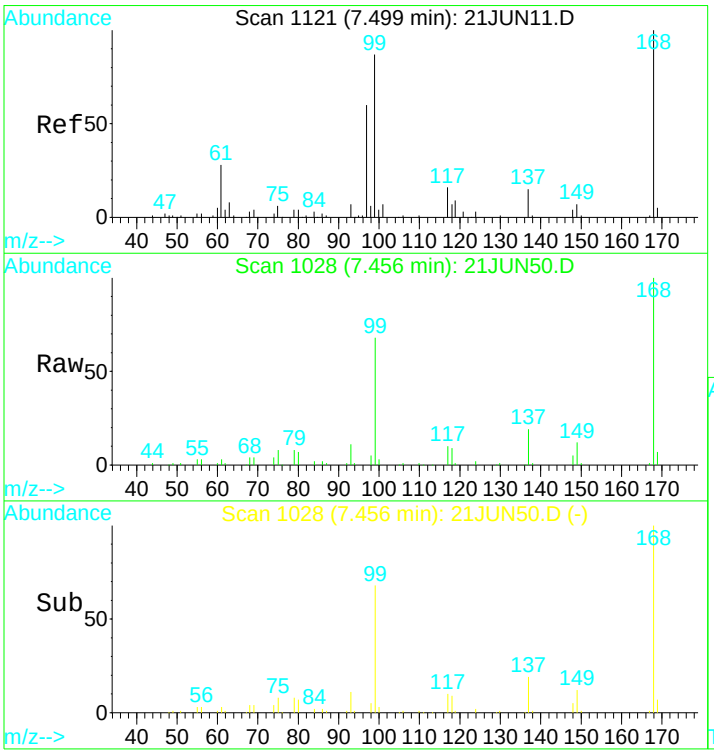
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : D:\DATA\JUN2023C\JUN21\21JUN50.D Vial: 50
Acq On : 22 Jun 2023 1:31 am Operator: MGC
Sample : 2311827-01 Inst : MS-V5
Misc : 1 ;25ML;pH<2 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jun 22 11:31 2023 Quant Results File: 82605C.RES

Method : C:\HPCHEM\1\METHODS\C\202306\21-0902\82605C.M (RTE Integrator)
Title : EPA Method 8260C/D
Last Update : Thu Jun 22 11:15:56 2023
Response via : Initial Calibration

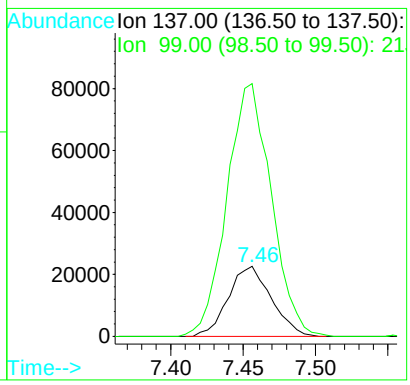


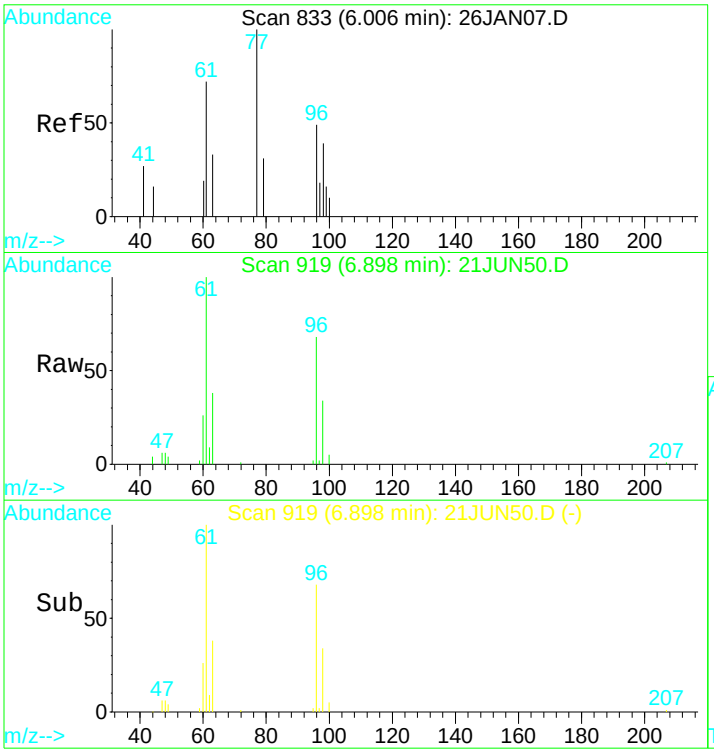


#1
Pentafluorobenzene IS#1
Concen: 10.00 ug/L
RT: 7.46 min Scan# 1028
Delta R.T. 0.00 min
Lab File: 21JUN50.D
Acq: 22 Jun 2023 1:31 am

Tgt Ion:137 Resp: 46726

Ion	Ratio	Lower	Upper
137	100		
99	372.1	1554.0	2886.0#

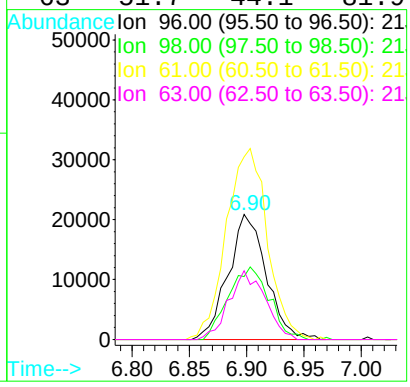


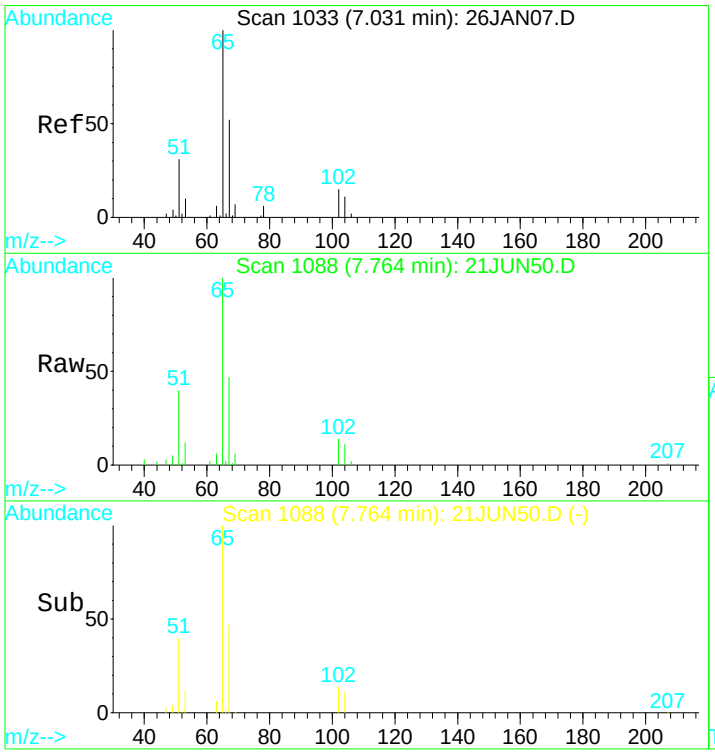


#17
Cis-1,2-dichloroethene
Concen: 3.50 ug/L
RT: 6.90 min Scan# 919
Delta R.T. -0.01 min
Lab File: 21JUN50.D
Acq: 22 Jun 2023 1:31 am

Tgt Ion: 96 Resp: 48437

Ion	Ratio	Lower	Upper
96	100		
98	61.9	45.4	84.2
61	164.0	134.1	249.1
63	51.7	44.1	81.9

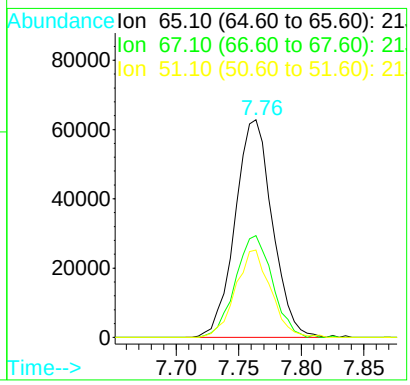


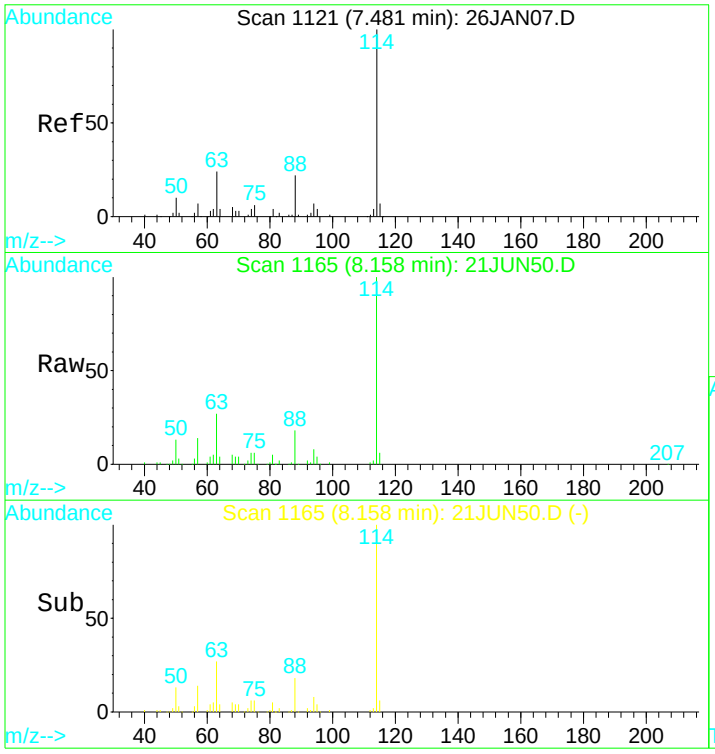


#23
1,2-dichloroethane d4 SMC #1
Concen: N.D. ug/L
RT: 7.76 min Scan# 1088
Delta R.T. 0.00 min
Lab File: 21JUN50.D
Acq: 22 Jun 2023 1:31 am

Tgt Ion: 65 Resp: 130394

Ion	Ratio	Lower	Upper
65	100		
67	46.4	33.0	61.2
51	38.0	440.4	817.8#

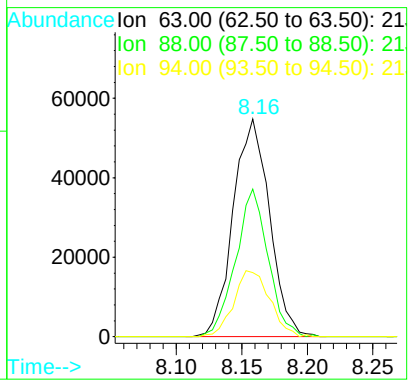


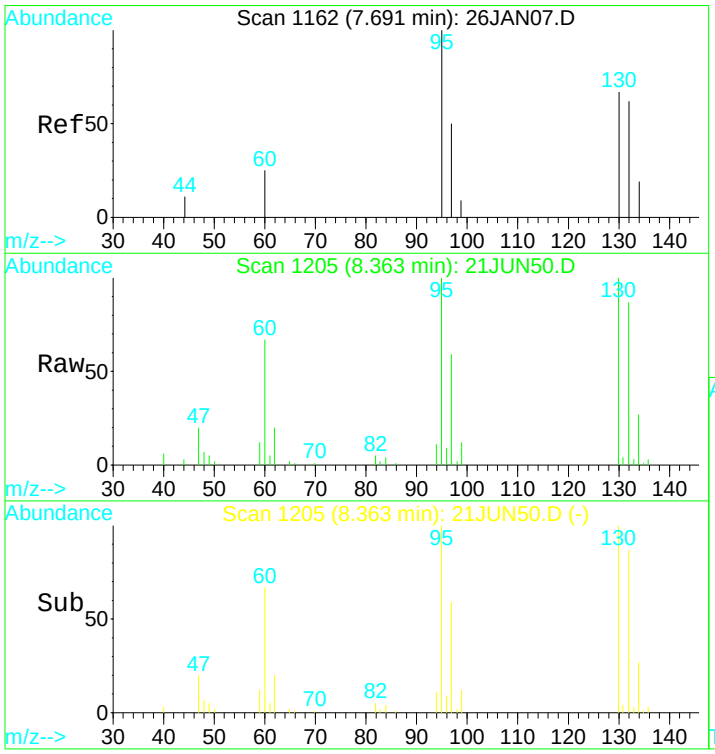


#26
1,4-Difluorobenzene IS#2
Concen: 10.00 ug/L
RT: 8.16 min Scan# 1165
Delta R.T. 0.00 min
Lab File: 21JUN50.D
Acq: 22 Jun 2023 1:31 am

Tgt Ion: 63 Resp: 105731

Ion	Ratio	Lower	Upper
63	100		
88	60.6	43.6	81.0
94	30.0	20.2	37.4

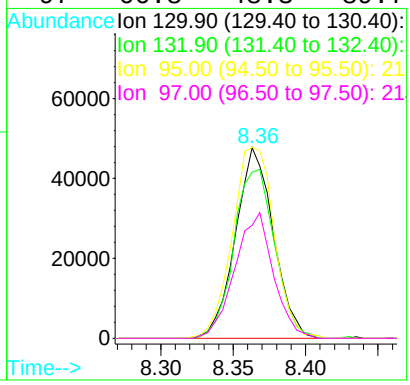


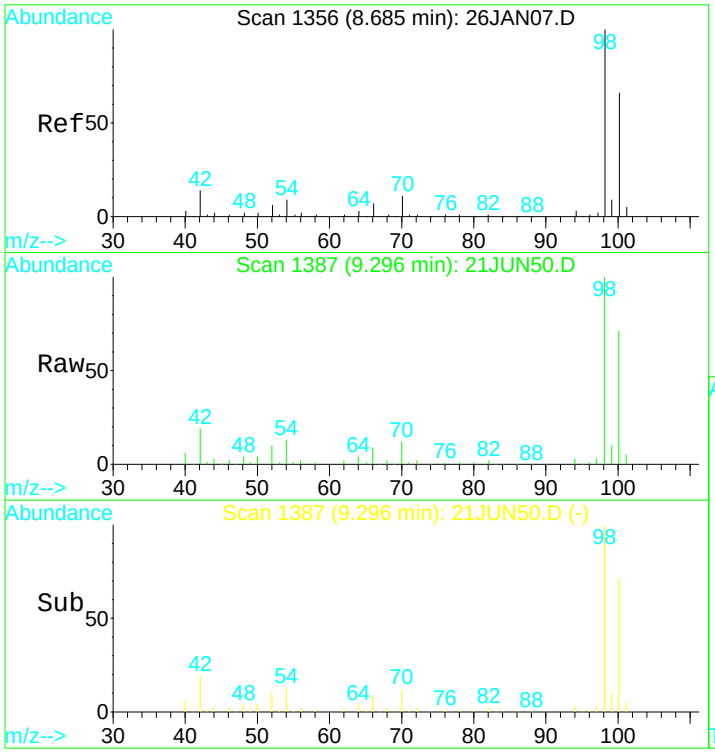


#27
Trichloroethene
Concen: 5.84 ug/L
RT: 8.36 min Scan# 1205
Delta R.T. -0.01 min
Lab File: 21JUN50.D
Acq: 22 Jun 2023 1:31 am

Tgt Ion:130 Resp: 86913

Ion	Ratio	Lower	Upper
130	100		
132	95.4	67.1	124.7
95	110.8	74.7	138.7
97	66.8	48.3	89.7

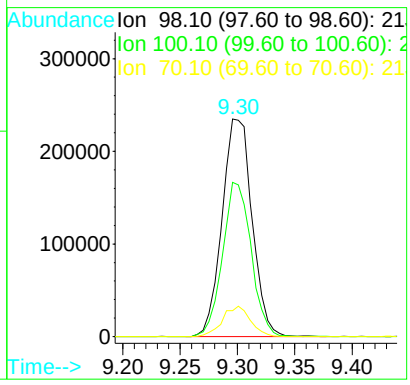


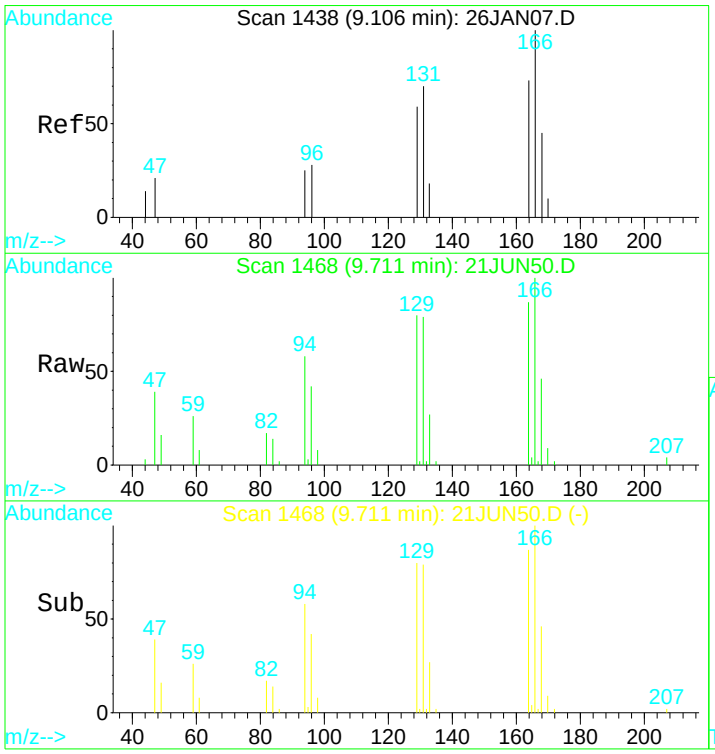


#33
Toluene d8 SMC#2
Concen: Below ug/L
RT: 9.30 min Scan# 1387
Delta R.T. 0.00 min
Lab File: 21JUN50.D
Acq: 22 Jun 2023 1:31 am

Tgt Ion: 98 Resp: 428624

Ion	Ratio	Lower	Upper
98	100		
100	67.2	46.8	87.0
70	13.1	9.0	16.6

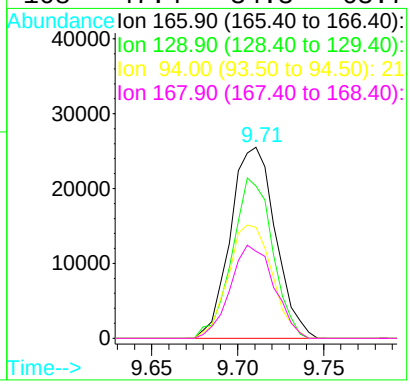


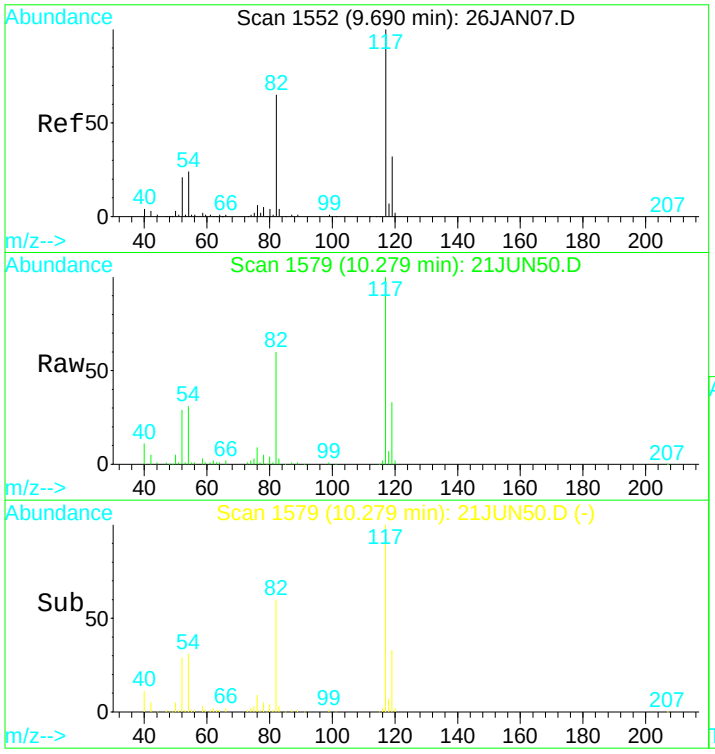


#37
Tetrachloroethene (PCE)
Concen: 3.23 ug/L
RT: 9.71 min Scan# 1468
Delta R.T. 0.00 min
Lab File: 21JUN50.D
Acq: 22 Jun 2023 1:31 am

Tgt Ion:166 Resp: 46367

Ion	Ratio	Lower	Upper
166	100		
129	75.3	51.4	95.4
94	57.8	39.2	72.8
168	47.4	34.3	63.7

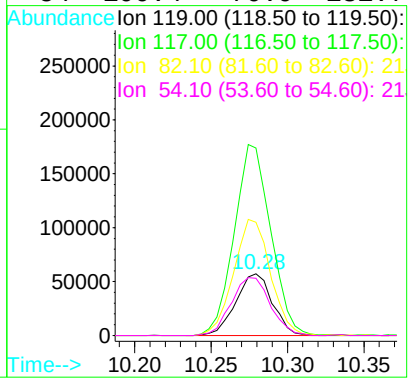


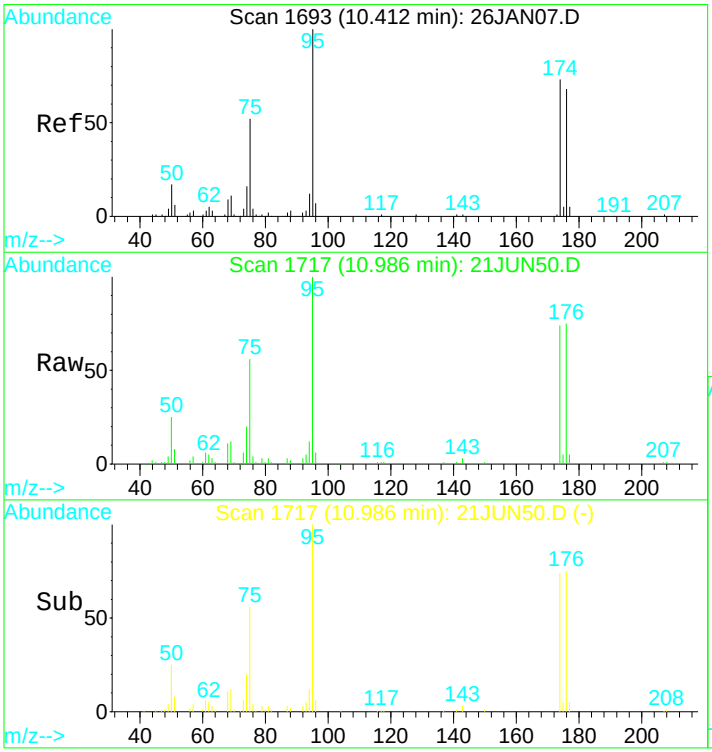


#41
Chlorobenzene d5 IS#3
Concen: 10.00 ug/L
RT: 10.28 min Scan# 1579
Delta R.T. 0.00 min
Lab File: 21JUN50.D
Acq: 22 Jun 2023 1:31 am

Tgt Ion:119 Resp: 94893

Ion	Ratio	Lower	Upper
119	100		
117	310.3	216.7	402.4
82	189.8	131.1	243.5
54	100.4	70.9	131.7

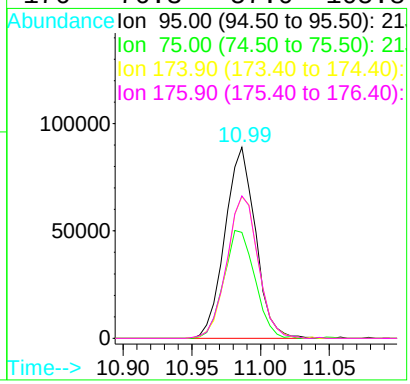




#51
Bromofluorobenzene SMC#3
Concen: N.D. ug/L
RT: 10.99 min Scan# 1717
Delta R.T. 0.00 min
Lab File: 21JUN50.D
Acq: 22 Jun 2023 1:31 am

Tgt Ion: 95 Resp: 137474

Ion	Ratio	Lower	Upper
95	100		
75	57.3	40.3	74.9
174	75.7	58.4	108.6
176	76.3	57.0	105.8



Quantitation Report (QT Reviewed)

Data File : D:\DATA\JUN2023C\JUN21\21JUN50.D Vial: 50
Acq On : 22 Jun 2023 1:31 am Operator: MGC
Sample : 2311827-01 Inst : MS-V5
Misc : 1 ;25ML;pH<2 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jun 22 11:46 2023 Quant Results File: 82605CX.RES

Quant Method : C:\HPCHEM\1...\82605CX.M (RTE Integrator)
Title : EPA Method 8260C/DX
Last Update : Thu Jun 22 04:57:10 2023
Response via : Initial Calibration
DataAcq Meth : 82605

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene IS#1	7.46	137	46726	10.00	ug/L	0.00
29) 1,4-Difluorobenzene IS#2	8.16	63	105731	10.00	ug/L	0.00
36) Chlorobenzene d5 IS#3	10.28	119	94893	10.00	ug/L	0.00

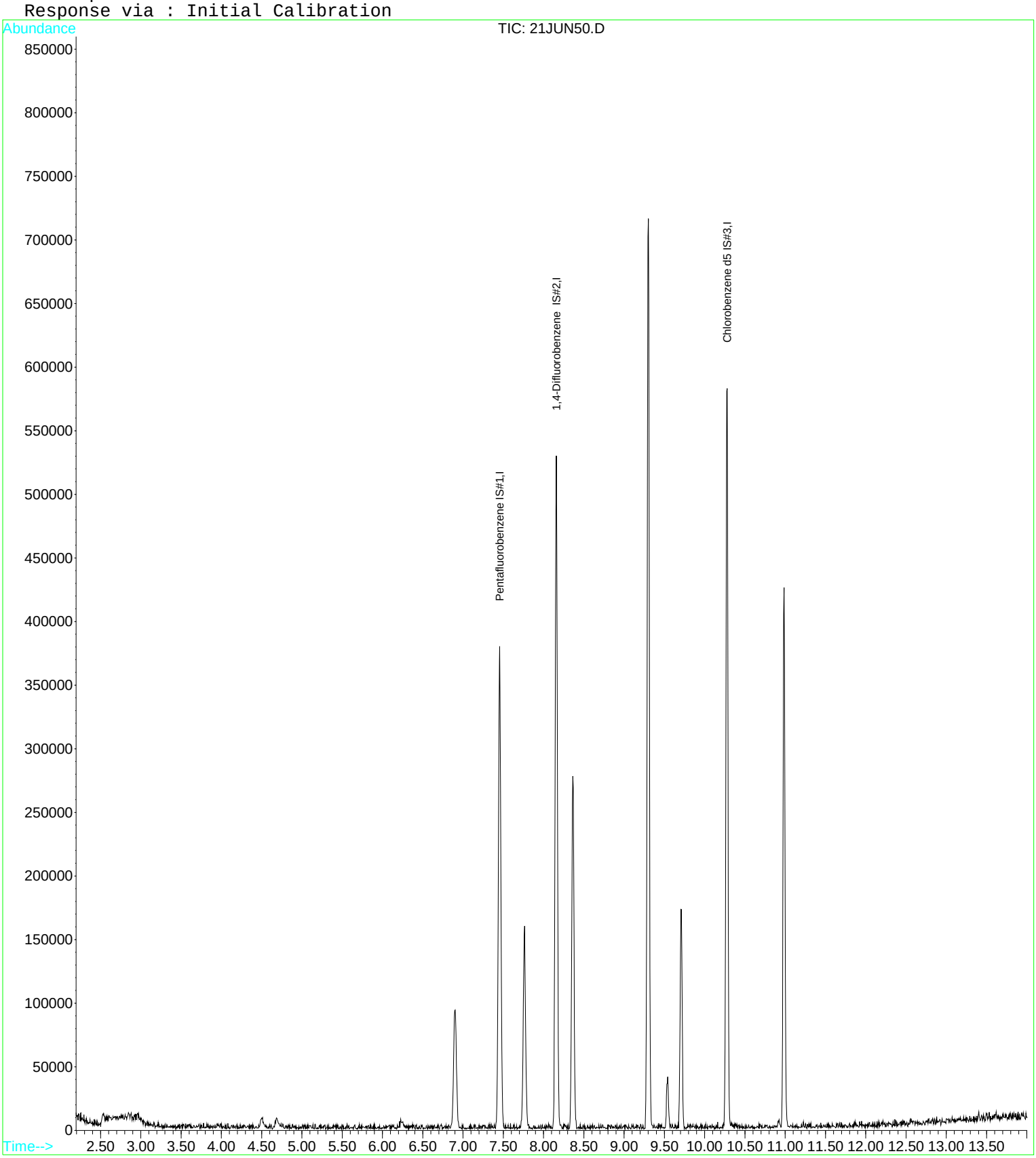
Target Compounds Qvalue

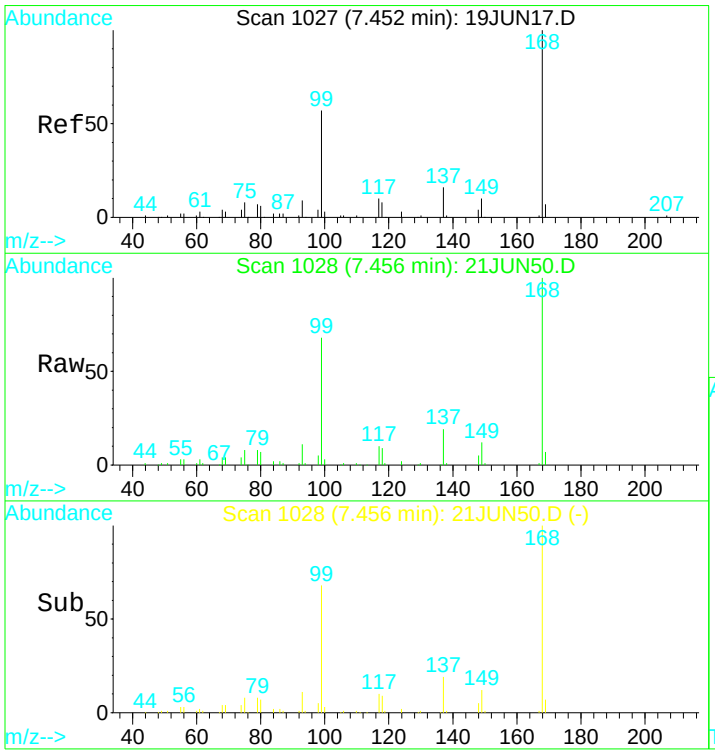
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : D:\DATA\JUN2023C\JUN21\21JUN50.D Vial: 50
Acq On : 22 Jun 2023 1:31 am Operator: MGC
Sample : 2311827-01 Inst : MS-V5
Misc : 1 ;25ML;pH<2 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jun 22 11:46 2023 Quant Results File: 82605CX.RES

Method : C:\HPCHEM\1\METHODS\C\202306\19-1901\82605CX.M (RTE Integrator)
Title : EPA Method 8260C/DX
Last Update : Thu Jun 22 04:57:10 2023
Response via : Initial Calibration

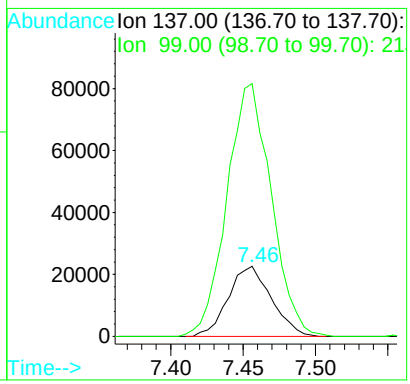


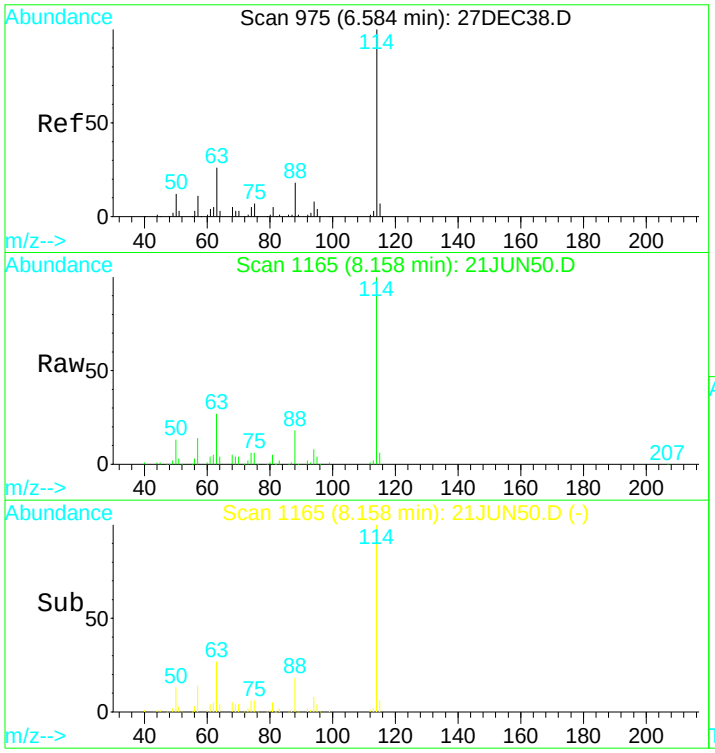


#1
Pentafluorobenzene IS#1
Concen: 10.00 ug/L
RT: 7.46 min Scan# 1028
Delta R.T. 0.00 min
Lab File: 21JUN50.D
Acq: 22 Jun 2023 1:31 am

Tgt Ion:137 Resp: 46726

Ion	Ratio	Lower	Upper
137	100		
99	372.1	248.4	461.4

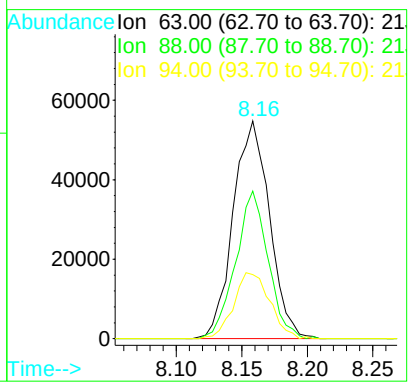


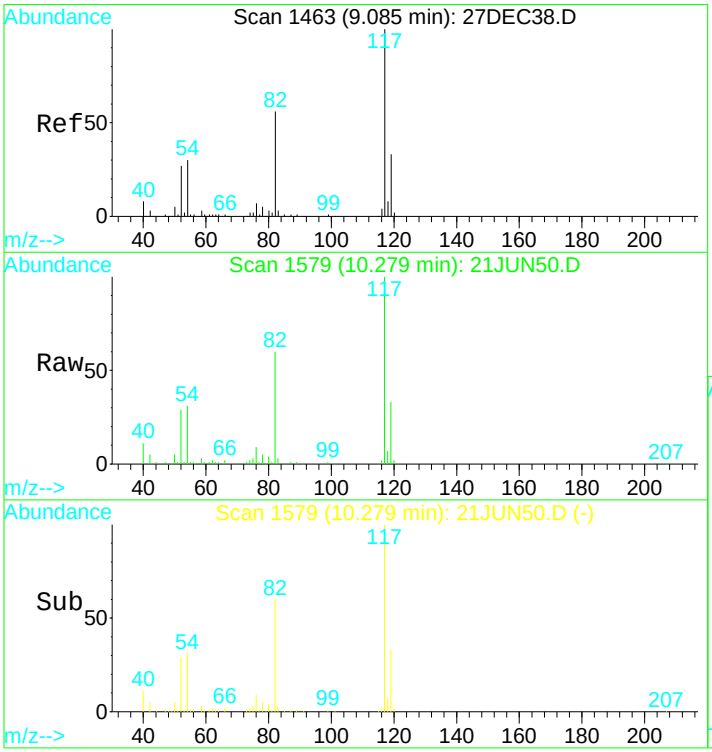


#29
1,4-Difluorobenzene IS#2
Concen: 10.00 ug/L
RT: 8.16 min Scan# 1165
Delta R.T. -0.00 min
Lab File: 21JUN50.D
Acq: 22 Jun 2023 1:31 am

Tgt Ion: 63 Resp: 105731

Ion	Ratio	Lower	Upper
63	100		
88	60.6	45.1	83.7
94	30.0	19.5	36.1

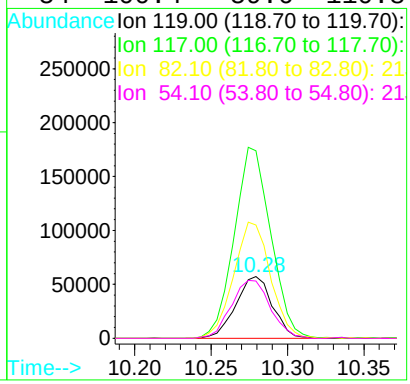




#36
Chlorobenzene d5 IS#3
Concen: 10.00 ug/L
RT: 10.28 min Scan# 1579
Delta R.T. -0.00 min
Lab File: 21JUN50.D
Acq: 22 Jun 2023 1:31 am

Tgt Ion:119 Resp: 94893

Ion	Ratio	Lower	Upper
119	100		
117	310.3	220.4	409.2
82	189.8	126.8	235.6
54	100.4	59.6	110.8



Quantitation Report (QT Reviewed)

Data File : D:\DATA\JUN2023C\JUN21\21JUN51.D Vial: 51
Acq On : 22 Jun 2023 1:55 am Operator: MGC
Sample : 2311827-02 Inst : MS-V5
Misc : 1 ;25ML;pH<2 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jun 22 11:31 2023 Quant Results File: 82605C.RES

Quant Method : C:\HPCHEM\1...\82605C.M (RTE Integrator)
Title : EPA Method 8260C/D
Last Update : Thu Jun 22 11:15:56 2023
Response via : Initial Calibration
DataAcq Meth : 82605

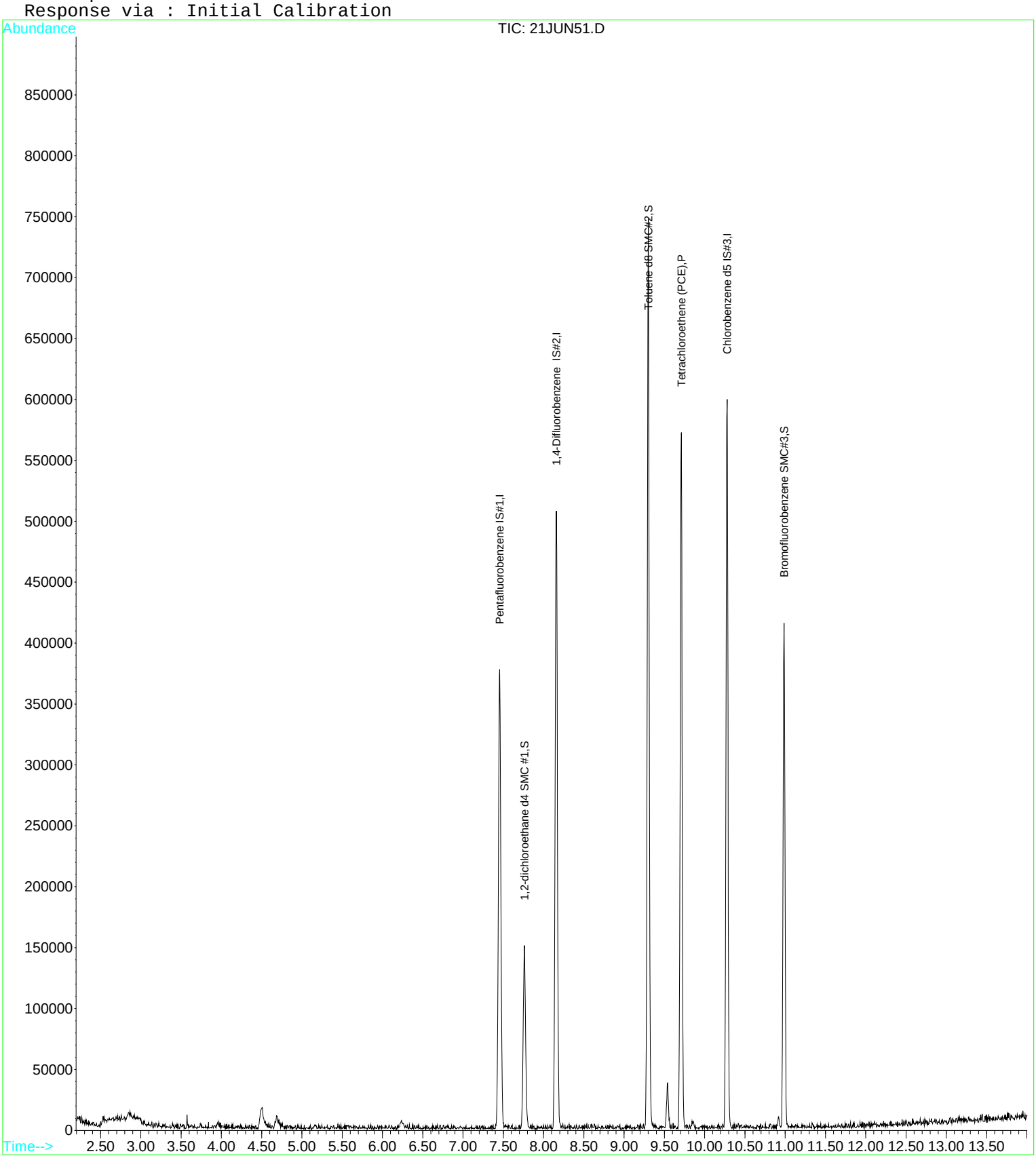
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene IS#1	7.46	137	49782	10.00	ug/L	0.00
26) 1,4-Difluorobenzene IS#2	8.16	63	107945	10.00	ug/L	0.00
41) Chlorobenzene d5 IS#3	10.27	119	96702	10.00	ug/L	0.00
System Monitoring Compounds						
23) 1,2-dichloroethane d4 SMC	7.76	65	127550	9.84	ug/L	0.00
Spiked Amount 10.000	Range 75 - 125		Recovery = 98.40%			
33) Toluene d8 SMC#2	9.30	98	435794	9.66	ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 96.60%			
51) Bromofluorobenzene SMC#3	10.99	95	135804	9.62	ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 96.20%			
Target Compounds						Qvalue
37) Tetrachloroethene (PCE)	9.71	166	150906	10.31	ug/L	98

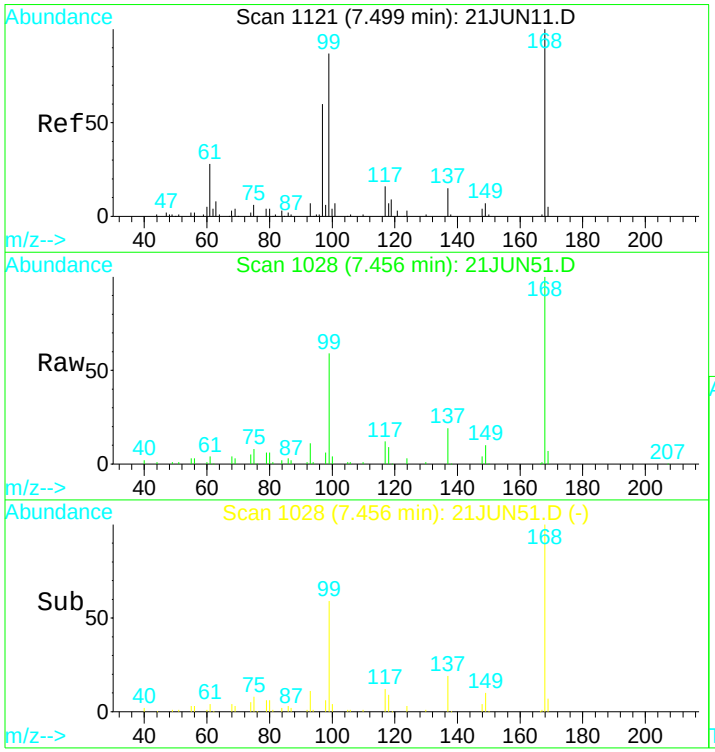
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : D:\DATA\JUN2023C\JUN21\21JUN51.D Vial: 51
Acq On : 22 Jun 2023 1:55 am Operator: MGC
Sample : 2311827-02 Inst : MS-V5
Misc : 1 ;25ML;pH<2 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jun 22 11:31 2023 Quant Results File: 82605C.RES

Method : C:\HPCHEM\1\METHODS\C\202306\21-0902\82605C.M (RTE Integrator)
Title : EPA Method 8260C/D
Last Update : Thu Jun 22 11:15:56 2023
Response via : Initial Calibration

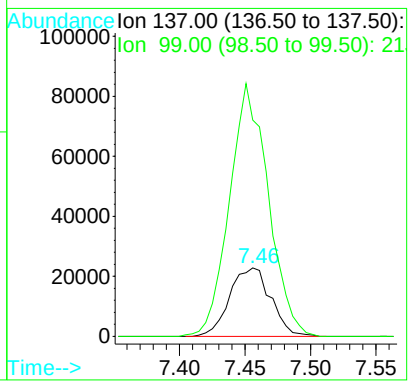


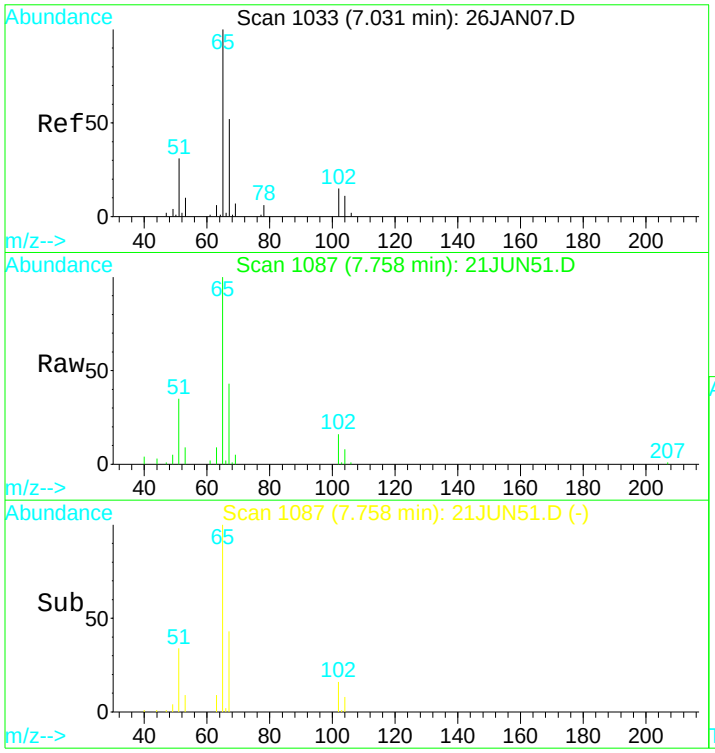


#1
Pentafluorobenzene IS#1
Concen: 10.00 ug/L
RT: 7.46 min Scan# 1028
Delta R.T. -0.00 min
Lab File: 21JUN51.D
Acq: 22 Jun 2023 1:55 am

Tgt Ion:137 Resp: 49782

Ion	Ratio	Lower	Upper
137	100		
99	348.7	1554.0	2886.0#

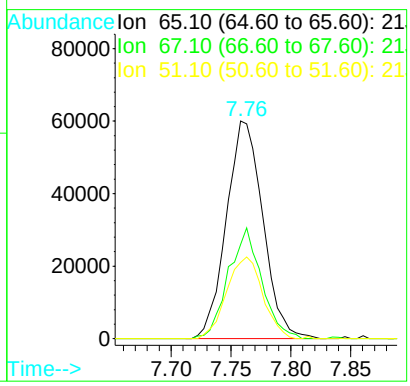


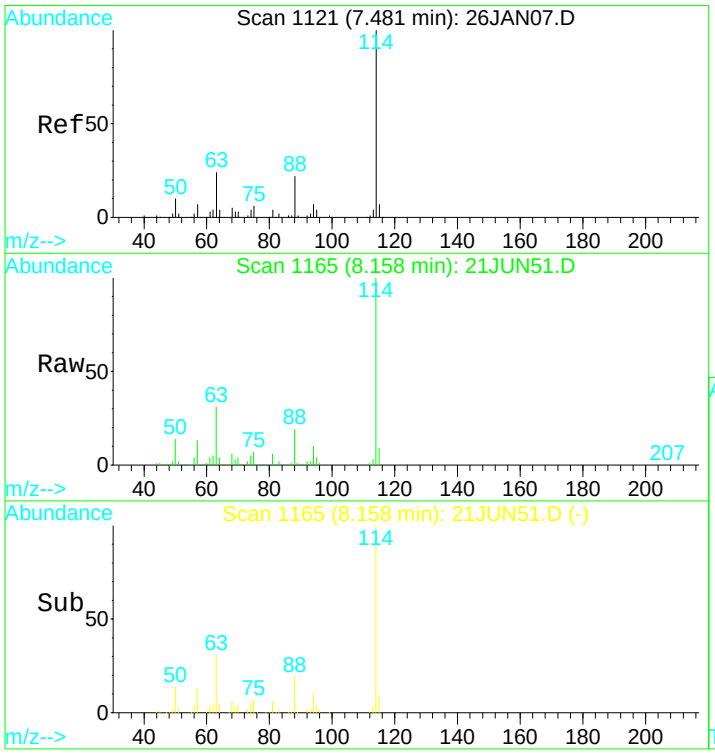


#23
1,2-dichloroethane d4 SMC #1
Concen: N.D. ug/L
RT: 7.76 min Scan# 1087
Delta R.T. -0.01 min
Lab File: 21JUN51.D
Acq: 22 Jun 2023 1:55 am

Tgt Ion: 65 Resp: 127550

Ion	Ratio	Lower	Upper
65	100		
67	46.2	33.0	61.2
51	37.0	440.4	817.8#

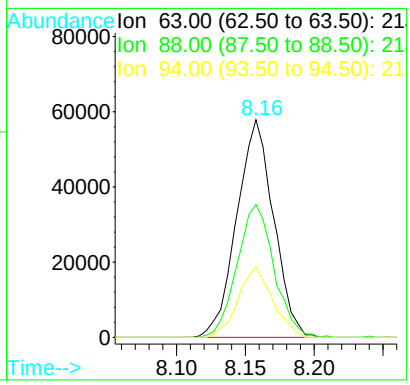


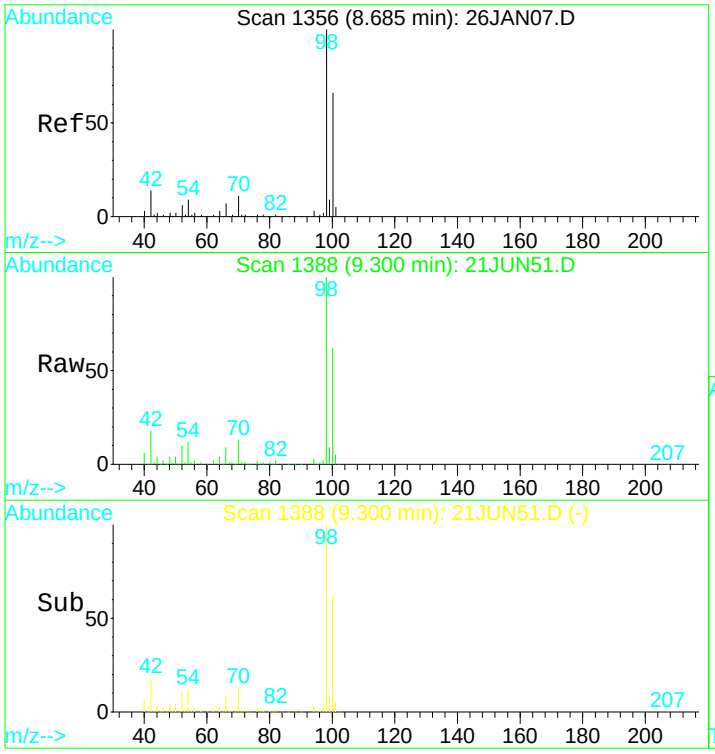


#26
1,4-Difluorobenzene IS#2
Concen: 10.00 ug/L
RT: 8.16 min Scan# 1165
Delta R.T. -0.00 min
Lab File: 21JUN51.D
Acq: 22 Jun 2023 1:55 am

Tgt Ion: 63 Resp: 107945

Ion	Ratio	Lower	Upper
63	100		
88	61.2	43.6	81.0
94	30.2	20.2	37.4

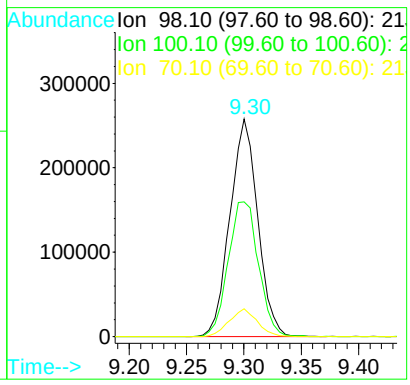


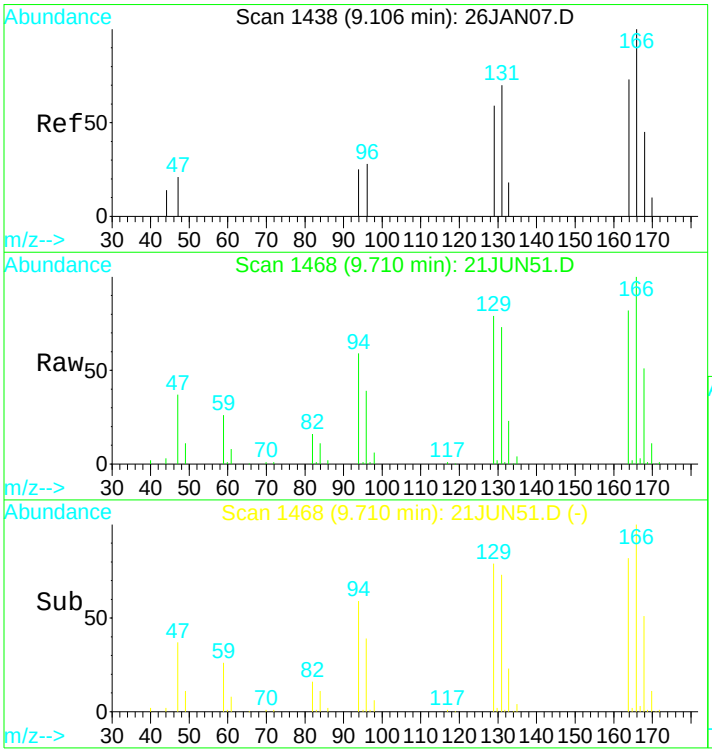


#33
Toluene d8 SMC#2
Concen: N.D. ug/L
RT: 9.30 min Scan# 1388
Delta R.T. 0.00 min
Lab File: 21JUN51.D
Acq: 22 Jun 2023 1:55 am

Tgt Ion: 98 Resp: 435794

Ion	Ratio	Lower	Upper
98	100		
100	67.3	46.8	87.0
70	12.9	9.0	16.6

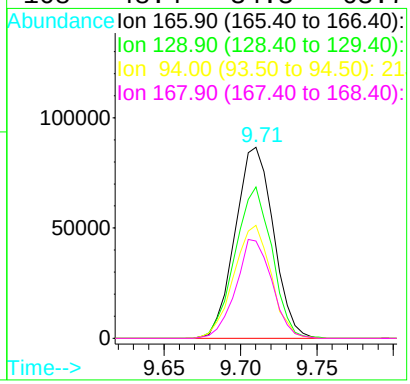


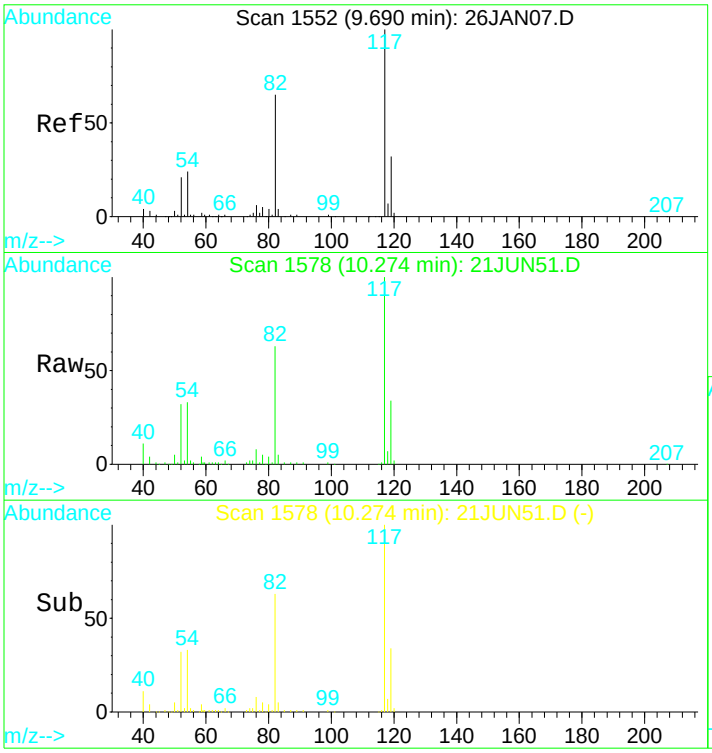


#37
Tetrachloroethene (PCE)
Concen: 10.31 ug/L
RT: 9.71 min Scan# 1468
Delta R.T. -0.00 min
Lab File: 21JUN51.D
Acq: 22 Jun 2023 1:55 am

Tgt Ion:166 Resp: 150906

Ion	Ratio	Lower	Upper
166	100		
129	76.2	51.4	95.4
94	57.5	39.2	72.8
168	48.4	34.3	63.7

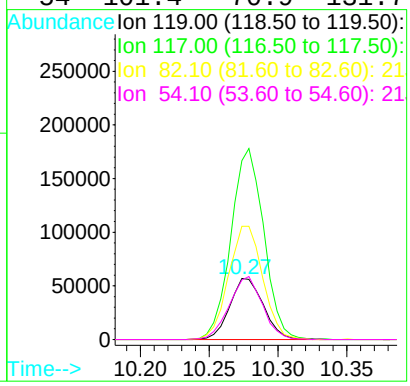


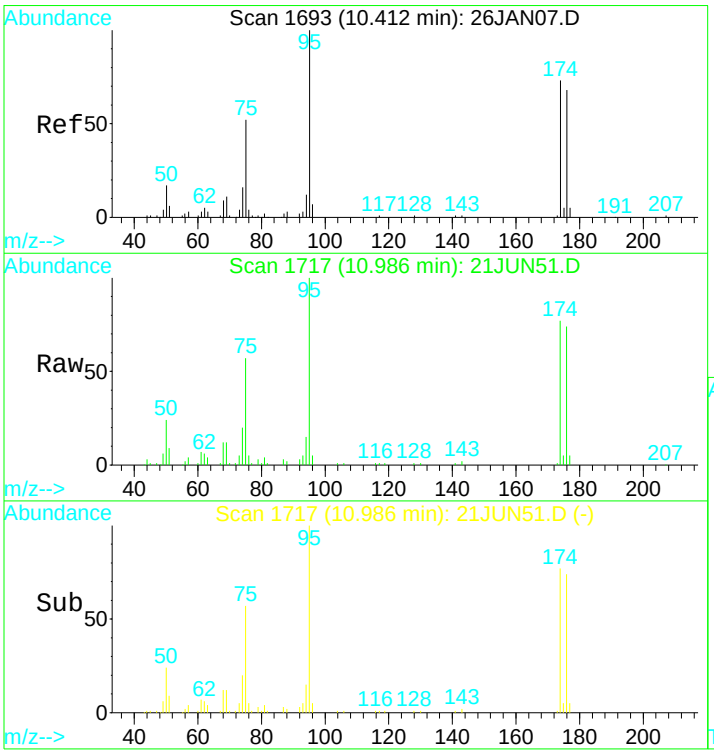


#41
Chlorobenzene d5 IS#3
Concen: 10.00 ug/L
RT: 10.27 min Scan# 1578
Delta R.T. -0.01 min
Lab File: 21JUN51.D
Acq: 22 Jun 2023 1:55 am

Tgt Ion:119 Resp: 96702

Ion	Ratio	Lower	Upper
119	100		
117	306.1	216.7	402.4
82	188.8	131.1	243.5
54	101.4	70.9	131.7

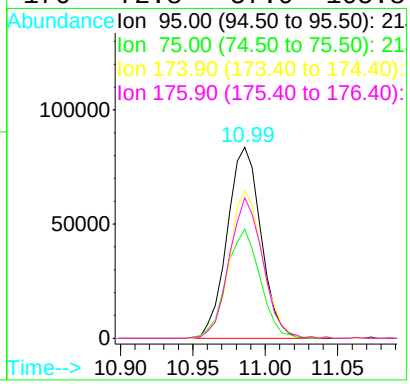




#51
Bromofluorobenzene SMC#3
Concen: N.D. ug/L
RT: 10.99 min Scan# 1717
Delta R.T. -0.00 min
Lab File: 21JUN51.D
Acq: 22 Jun 2023 1:55 am

Tgt Ion: 95 Resp: 135804

Ion	Ratio	Lower	Upper
95	100		
75	56.9	40.3	74.9
174	75.7	58.4	108.6
176	72.8	57.0	105.8



Quantitation Report (QT Reviewed)

Data File : D:\DATA\JUN2023C\JUN21\21JUN51.D Vial: 51
Acq On : 22 Jun 2023 1:55 am Operator: MGC
Sample : 2311827-02 Inst : MS-V5
Misc : 1 ;25ML;pH<2 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jun 22 11:47 2023 Quant Results File: 82605CX.RES

Quant Method : C:\HPCHEM\1...\82605CX.M (RTE Integrator)
Title : EPA Method 8260C/DX
Last Update : Thu Jun 22 04:57:10 2023
Response via : Initial Calibration
DataAcq Meth : 82605

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene IS#1	7.46	137	49782	10.00	ug/L	0.00
29) 1,4-Difluorobenzene IS#2	8.16	63	107945	10.00	ug/L	0.00
36) Chlorobenzene d5 IS#3	10.27	119	96702	10.00	ug/L	0.00

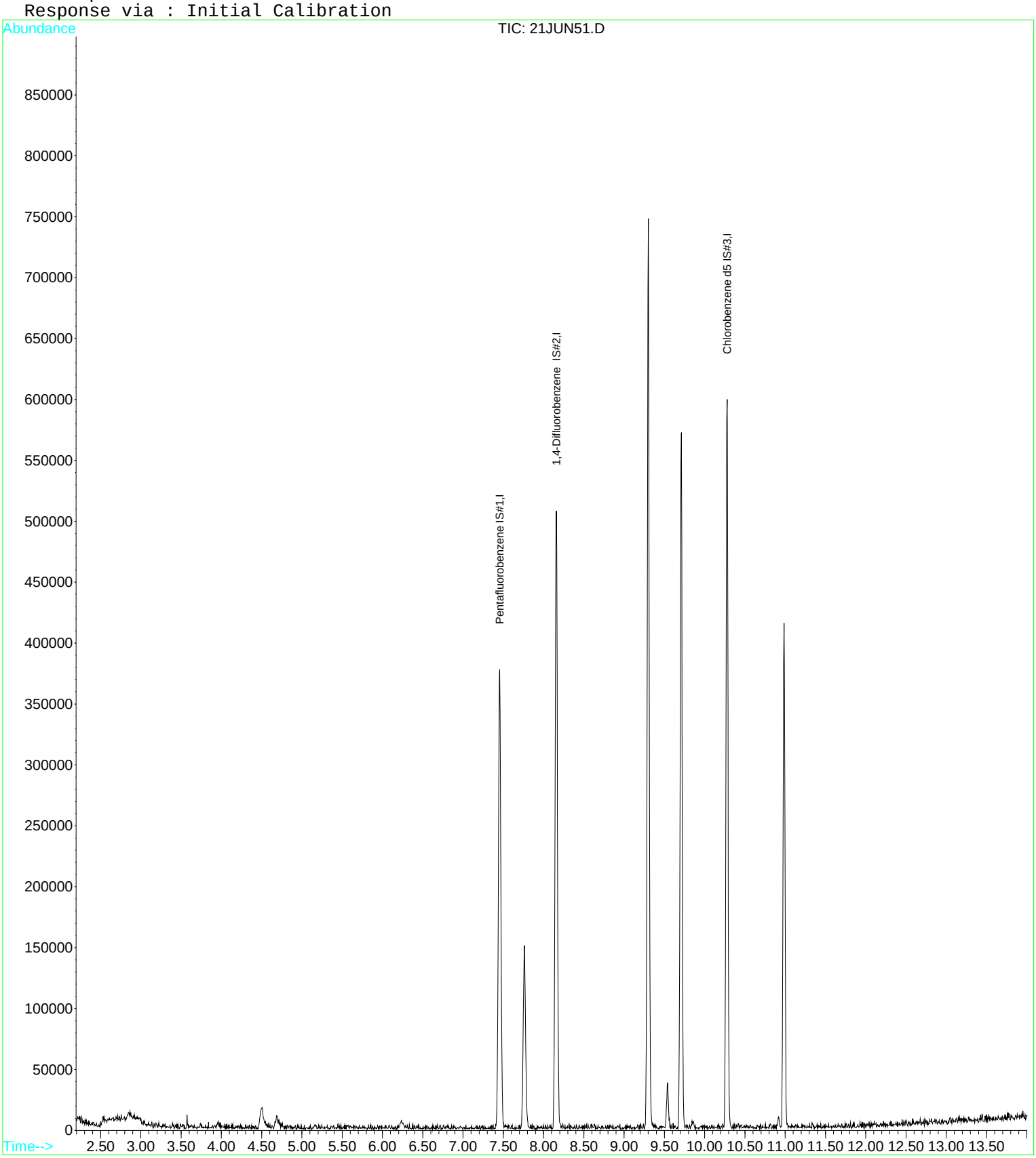
Target Compounds Qvalue

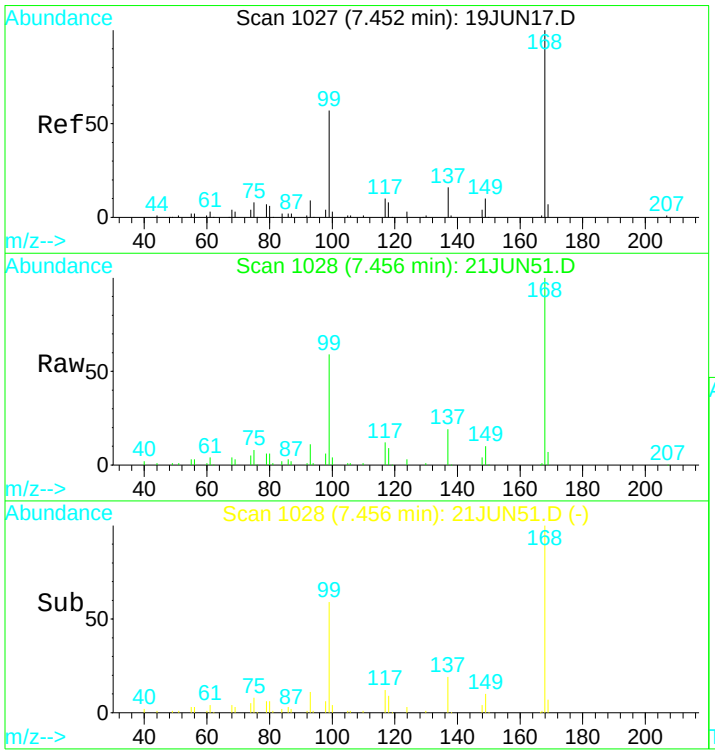
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : D:\DATA\JUN2023C\JUN21\21JUN51.D Vial: 51
Acq On : 22 Jun 2023 1:55 am Operator: MGC
Sample : 2311827-02 Inst : MS-V5
Misc : 1 ;25ML;pH<2 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jun 22 11:47 2023 Quant Results File: 82605CX.RES

Method : C:\HPCHEM\1\METHODS\C\202306\19-1901\82605CX.M (RTE Integrator)
Title : EPA Method 8260C/DX
Last Update : Thu Jun 22 04:57:10 2023
Response via : Initial Calibration

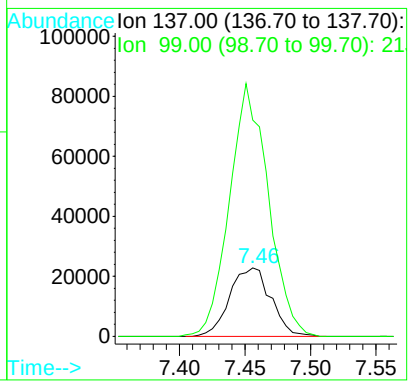


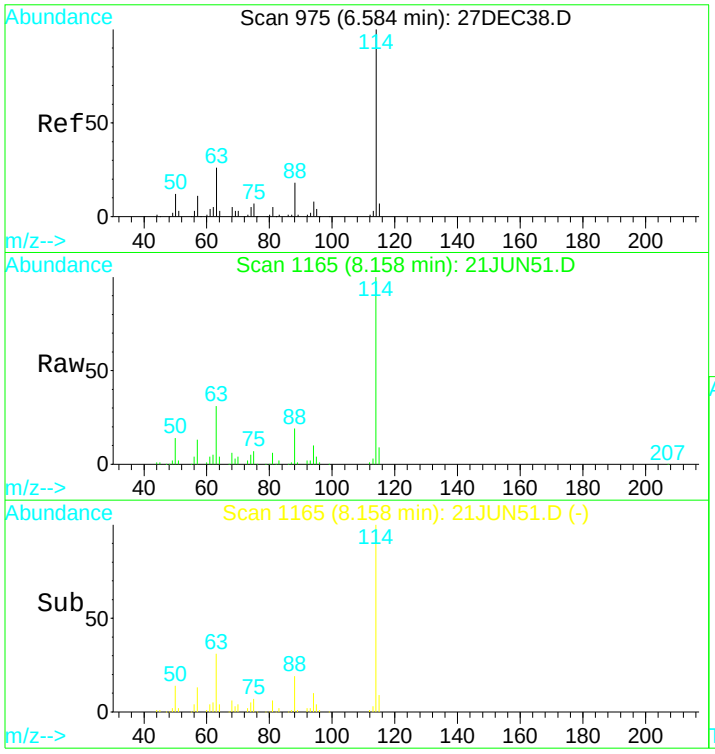


#1
Pentafluorobenzene IS#1
Concen: 10.00 ug/L
RT: 7.46 min Scan# 1028
Delta R.T. 0.00 min
Lab File: 21JUN51.D
Acq: 22 Jun 2023 1:55 am

Tgt Ion:137 Resp: 49782

Ion	Ratio	Lower	Upper
137	100		
99	348.7	248.4	461.4

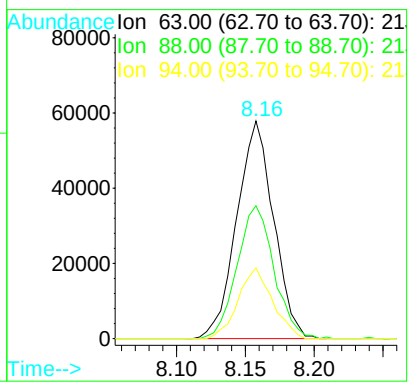


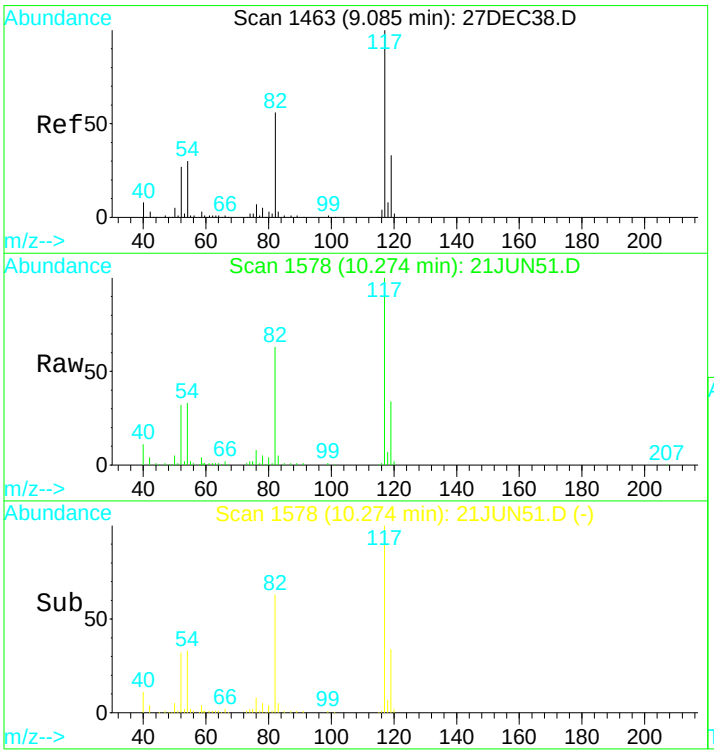


#29
1,4-Difluorobenzene IS#2
Concen: 10.00 ug/L
RT: 8.16 min Scan# 1165
Delta R.T. -0.00 min
Lab File: 21JUN51.D
Acq: 22 Jun 2023 1:55 am

Tgt Ion: 63 Resp: 107945

Ion	Ratio	Lower	Upper
63	100		
88	61.2	45.1	83.7
94	30.2	19.5	36.1

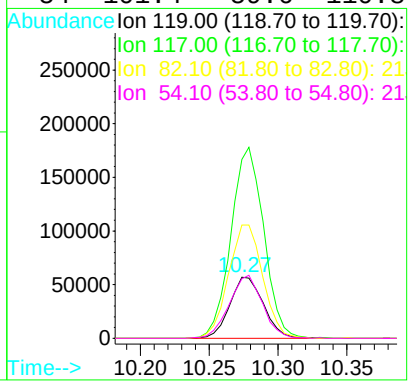




#36
Chlorobenzene d5 IS#3
Concen: 10.00 ug/L
RT: 10.27 min Scan# 1578
Delta R.T. -0.01 min
Lab File: 21JUN51.D
Acq: 22 Jun 2023 1:55 am

Tgt Ion:119 Resp: 96702

Ion	Ratio	Lower	Upper
119	100		
117	306.1	220.4	409.2
82	188.8	126.8	235.6
54	101.4	59.6	110.8



Quantitation Report (QT Reviewed)

Data File : D:\DATA\JUN2023C\JUN21\21JUN52.D Vial: 52
Acq On : 22 Jun 2023 2:19 am Operator: MGC
Sample : 2311827-03 Inst : MS-V5
Misc : 1 ;25ML;pH<2 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jun 22 11:40 2023 Quant Results File: 82605C.RES

Quant Method : C:\HPCHEM\1...\82605C.M (RTE Integrator)
Title : EPA Method 8260C/D
Last Update : Thu Jun 22 11:15:56 2023
Response via : Initial Calibration
DataAcq Meth : 82605

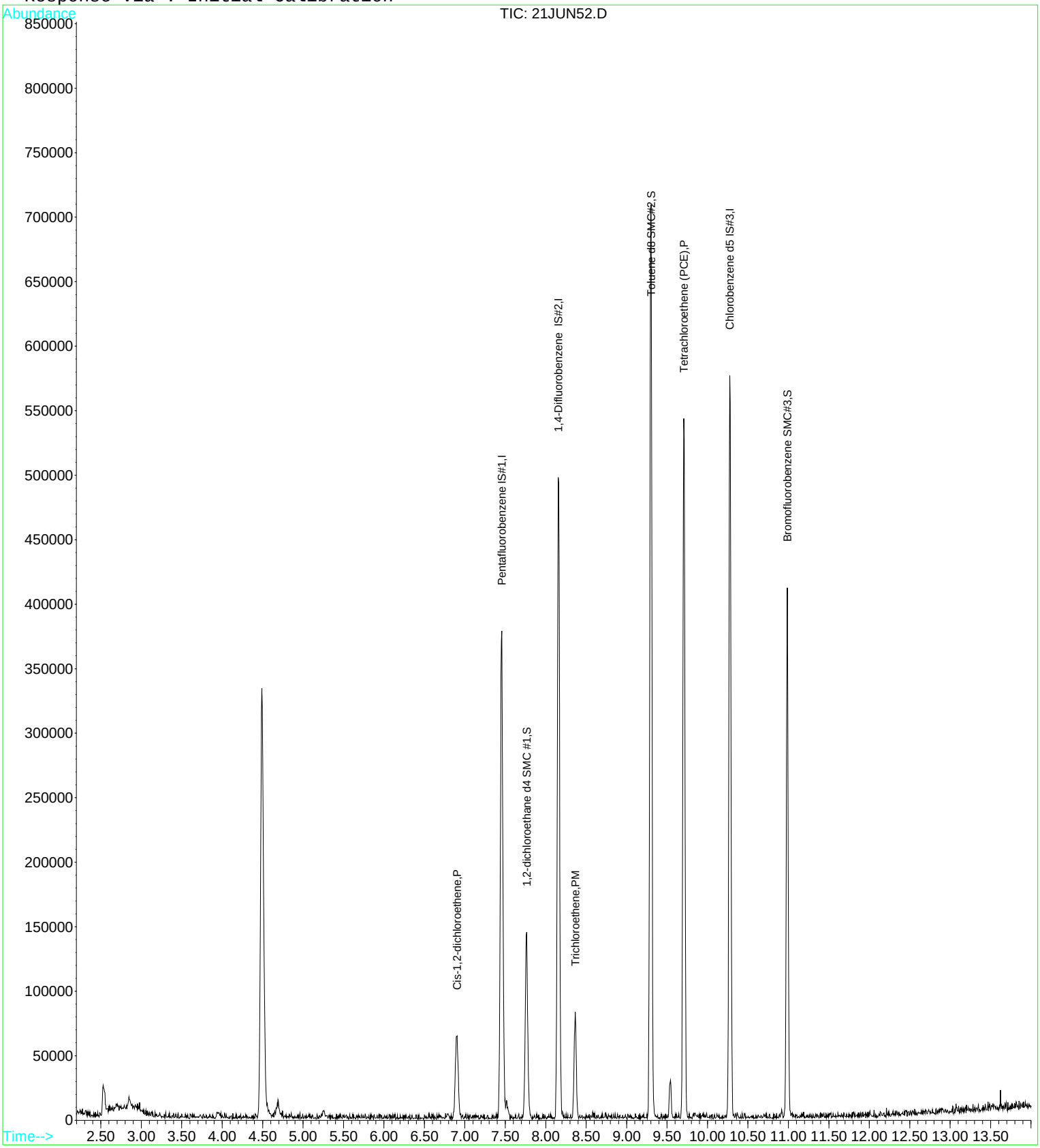
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene IS#1	7.45	137	49138	10.00	ug/L	0.00
26) 1,4-Difluorobenzene IS#2	8.15	63	101367	10.00	ug/L	0.00
41) Chlorobenzene d5 IS#3	10.28	119	95058	10.00	ug/L	0.00
System Monitoring Compounds						
23) 1,2-dichloroethane d4 SMC	7.76	65	122211	9.55	ug/L	0.00
Spiked Amount 10.000	Range 75 - 125		Recovery = 95.50%			
33) Toluene d8 SMC#2	9.30	98	426779	10.07	ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 100.70%			
51) Bromofluorobenzene SMC#3	10.99	95	132531	9.55	ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 95.50%			
Target Compounds						Qvalue
17) Cis-1,2-dichloroethene	6.90	96	30312	2.08	ug/L	92
27) Trichloroethene	8.37	130	25716	1.80	ug/L	97
37) Tetrachloroethene (PCE)	9.71	166	147955	10.76	ug/L	98

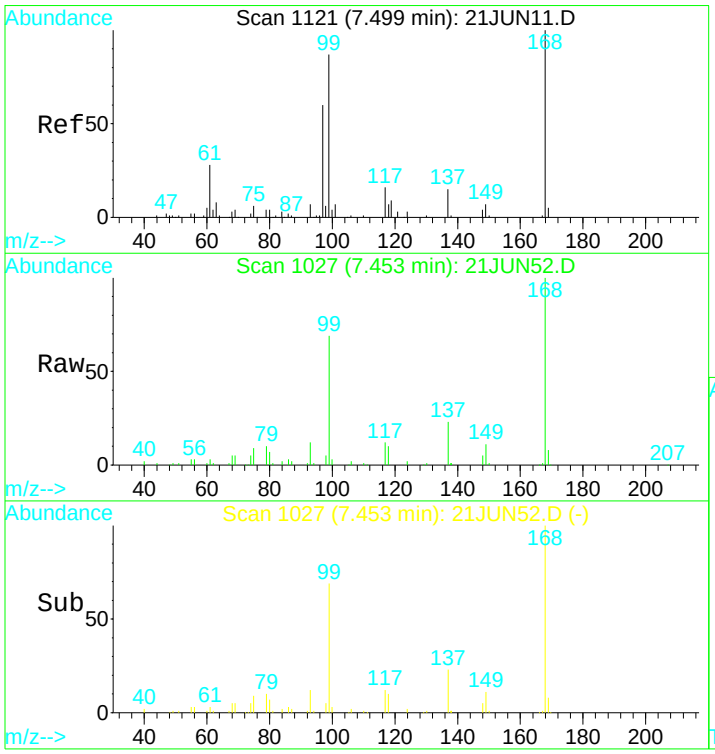
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : D:\DATA\JUN2023C\JUN21\21JUN52.D Vial: 52
Acq On : 22 Jun 2023 2:19 am Operator: MGC
Sample : 2311827-03 Inst : MS-V5
Misc : 1 ;25ML;pH<2 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jun 22 11:40 2023 Quant Results File: 82605C.RES

Method : C:\HPCHEM\1\METHODS\C\202306\21-0902\82605C.M (RTE Integrator)
Title : EPA Method 8260C/D
Last Update : Thu Jun 22 11:15:56 2023
Response via : Initial Calibration

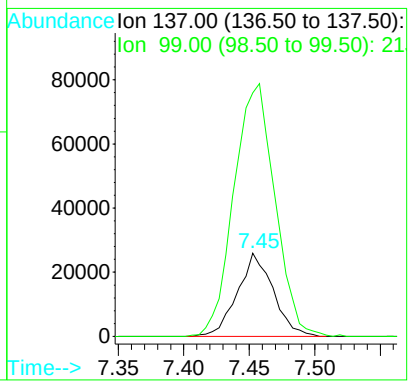


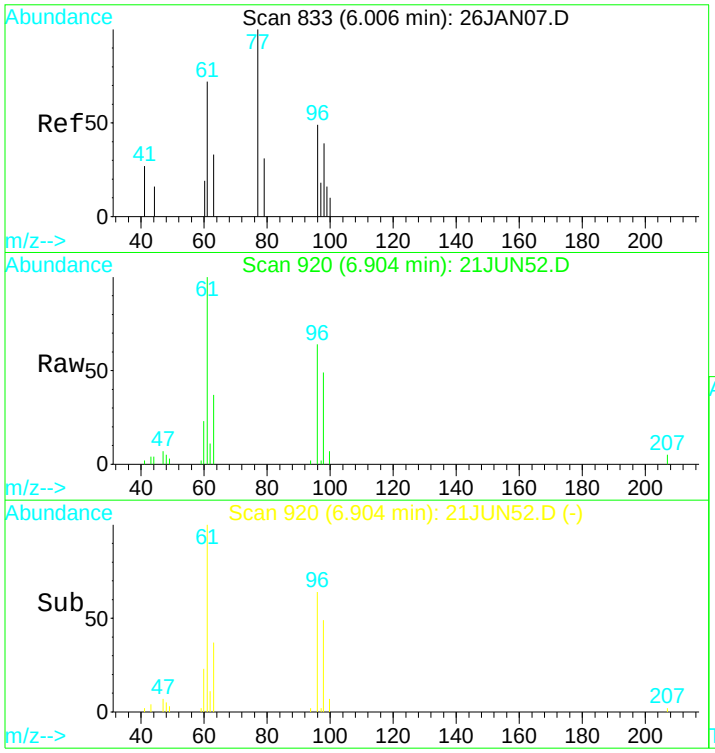


#1
Pentafluorobenzene IS#1
Concen: 10.00 ug/L
RT: 7.45 min Scan# 1027
Delta R.T. -0.00 min
Lab File: 21JUN52.D
Acq: 22 Jun 2023 2:19 am

Tgt Ion:137 Resp: 49138

Ion	Ratio	Lower	Upper
137	100		
99	350.0	1554.0	2886.0#

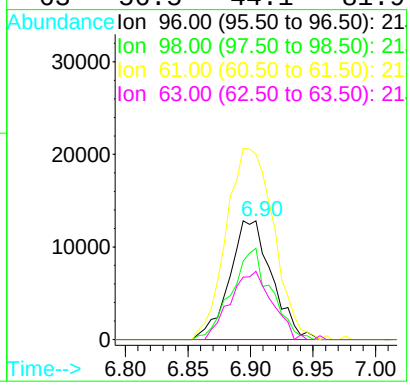


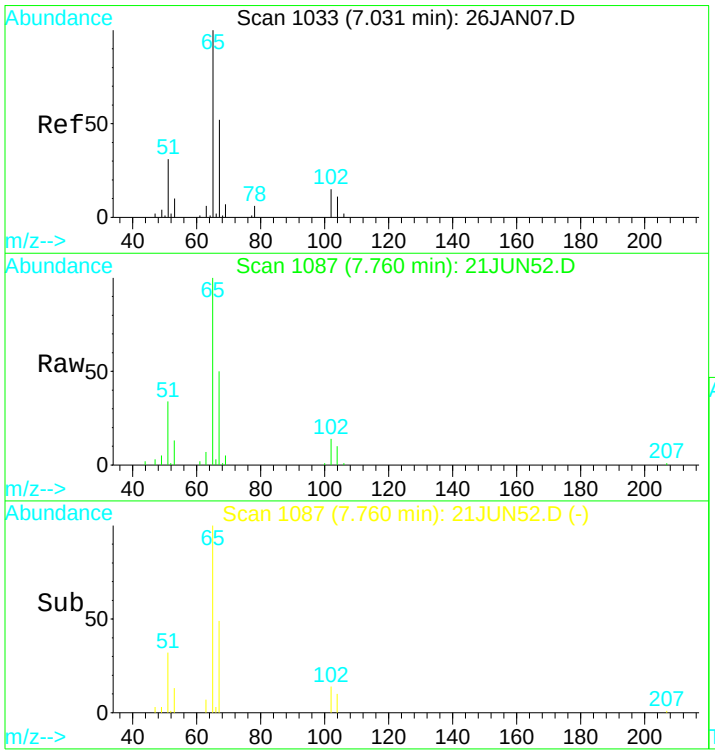


#17
Cis-1,2-dichloroethene
Concen: 2.08 ug/L
RT: 6.90 min Scan# 920
Delta R.T. 0.00 min
Lab File: 21JUN52.D
Acq: 22 Jun 2023 2:19 am

Tgt Ion: 96 Resp: 30312

Ion	Ratio	Lower	Upper
96	100		
98	71.2	45.4	84.2
61	180.3	134.1	249.1
63	56.5	44.1	81.9

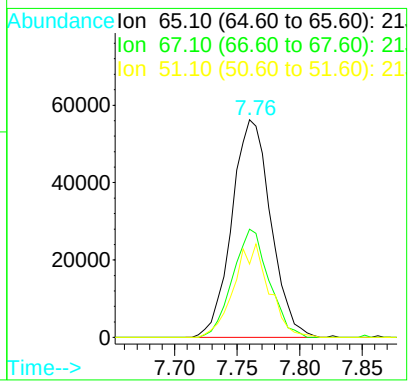


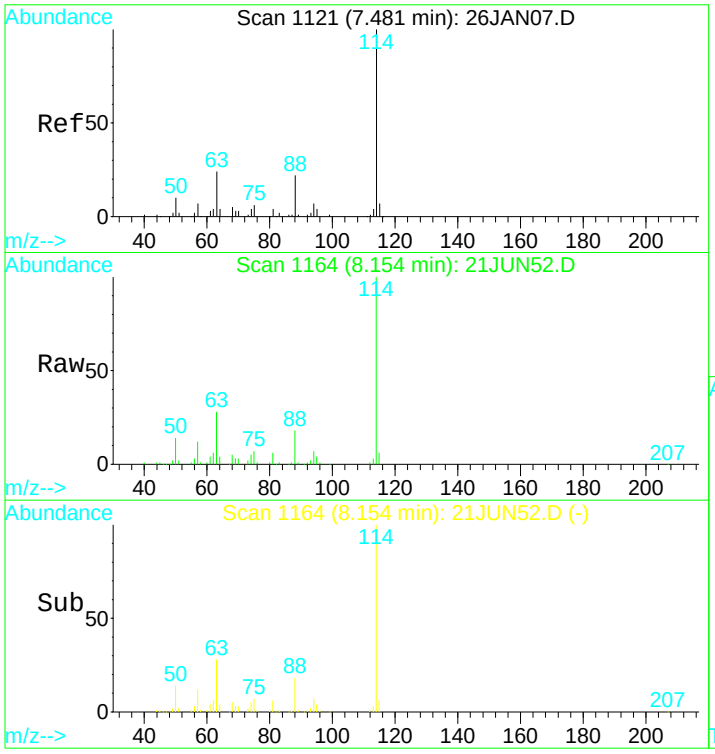


#23
1,2-dichloroethane d4 SMC #1
Concen: Below ug/L
RT: 7.76 min Scan# 1087
Delta R.T. -0.00 min
Lab File: 21JUN52.D
Acq: 22 Jun 2023 2:19 am

Tgt Ion: 65 Resp: 122211

Ion	Ratio	Lower	Upper
65	100		
67	46.3	33.0	61.2
51	38.9	440.4	817.8#

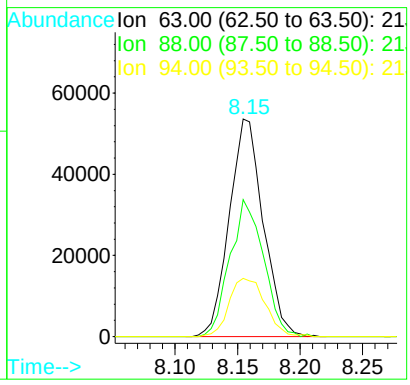


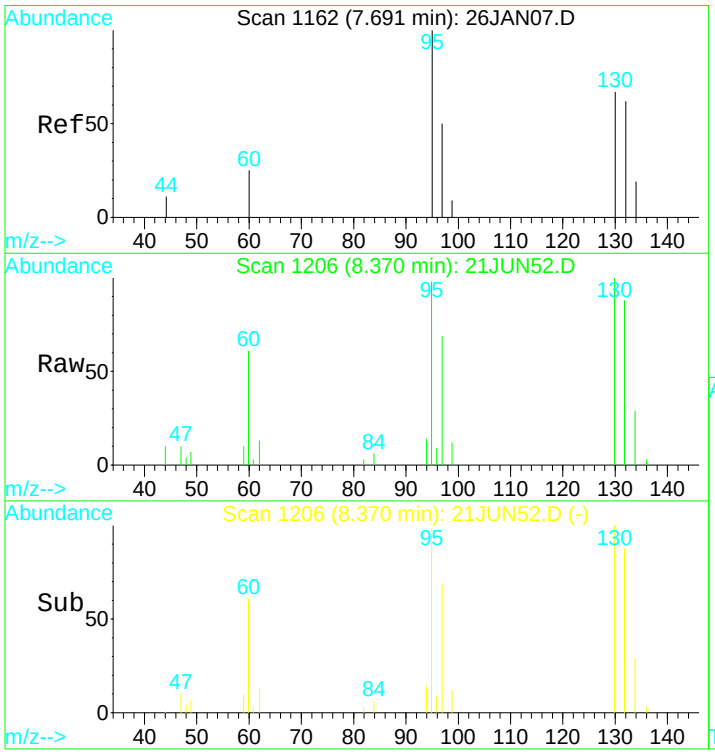


#26
1,4-Difluorobenzene IS#2
Concen: 10.00 ug/L
RT: 8.15 min Scan# 1164
Delta R.T. -0.00 min
Lab File: 21JUN52.D
Acq: 22 Jun 2023 2:19 am

Tgt Ion: 63 Resp: 101367

Ion	Ratio	Lower	Upper
63	100		
88	62.4	43.6	81.0
94	28.6	20.2	37.4

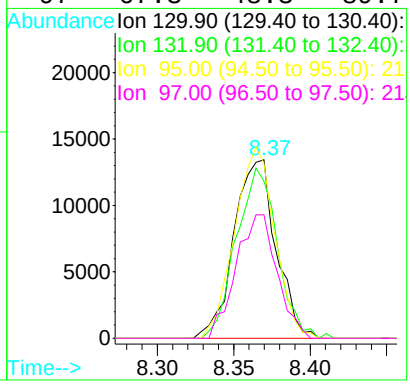


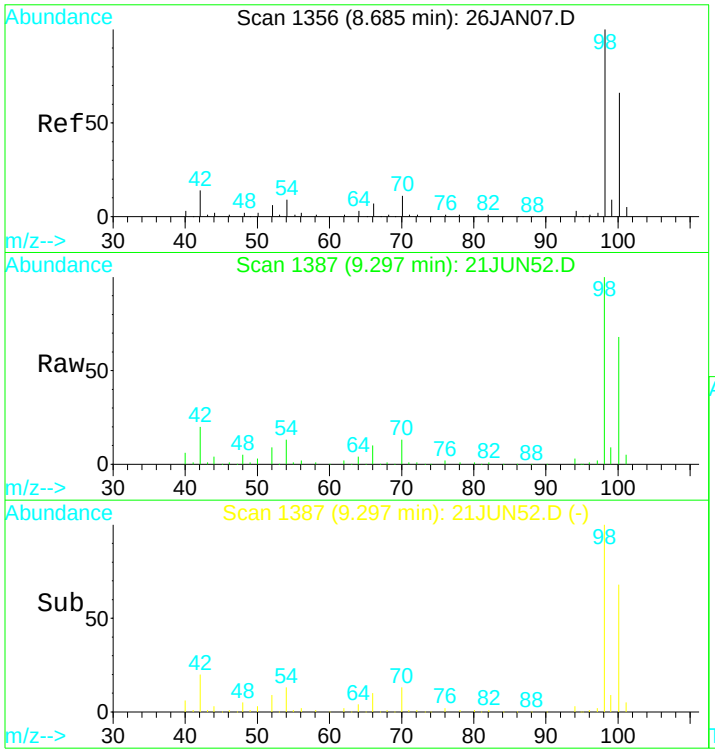


#27
Trichloroethene
Concen: 1.80 ug/L
RT: 8.37 min Scan# 1206
Delta R.T. 0.00 min
Lab File: 21JUN52.D
Acq: 22 Jun 2023 2:19 am

Tgt Ion:130 Resp: 25716

Ion	Ratio	Lower	Upper
130	100		
132	93.1	67.1	124.7
95	102.1	74.7	138.7
97	67.3	48.3	89.7

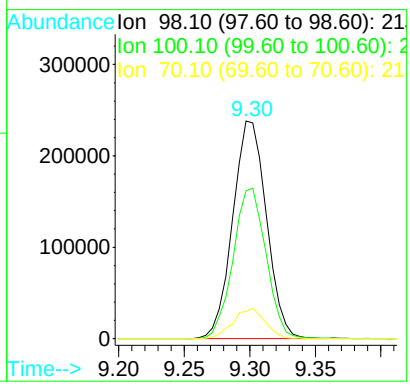


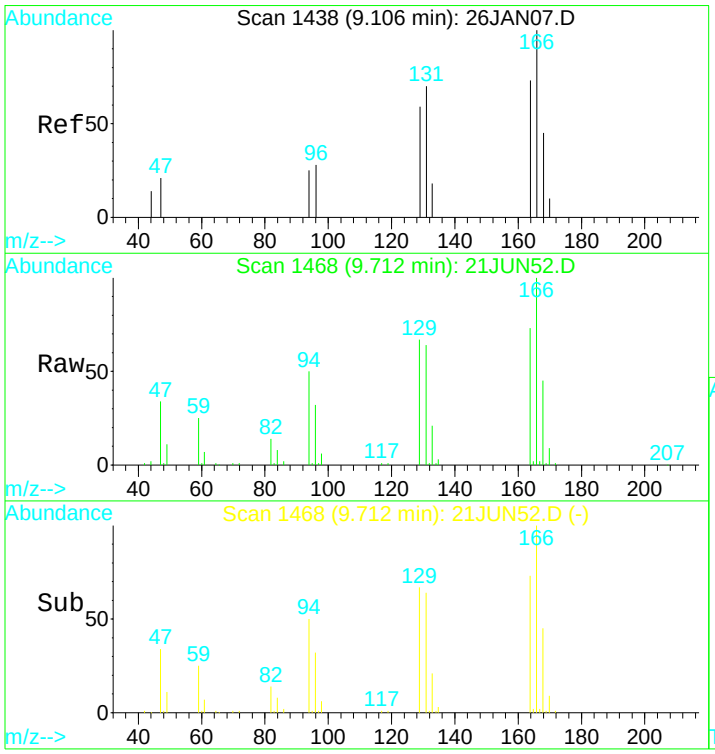


#33
Toluene d8 SMC#2
Concen: N.D. ug/L
RT: 9.30 min Scan# 1387
Delta R.T. 0.00 min
Lab File: 21JUN52.D
Acq: 22 Jun 2023 2:19 am

Tgt Ion: 98 Resp: 426779

Ion	Ratio	Lower	Upper
98	100		
100	67.5	46.8	87.0
70	13.3	9.0	16.6

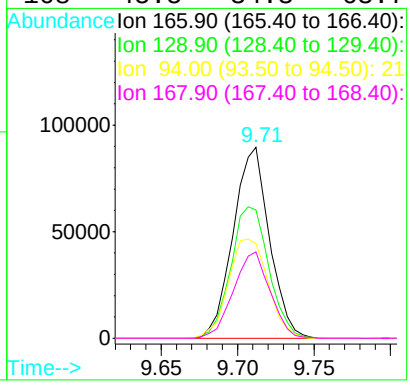


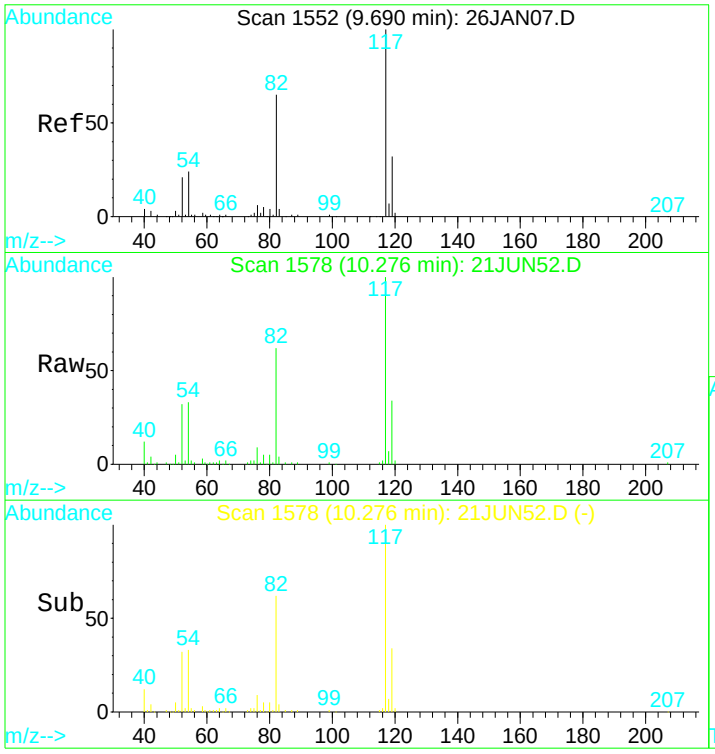


#37
Tetrachloroethene (PCE)
Concen: 10.76 ug/L
RT: 9.71 min Scan# 1468
Delta R.T. 0.00 min
Lab File: 21JUN52.D
Acq: 22 Jun 2023 2:19 am

Tgt Ion:166 Resp: 147955

Ion	Ratio	Lower	Upper
166	100		
129	72.2	51.4	95.4
94	56.8	39.2	72.8
168	45.5	34.3	63.7

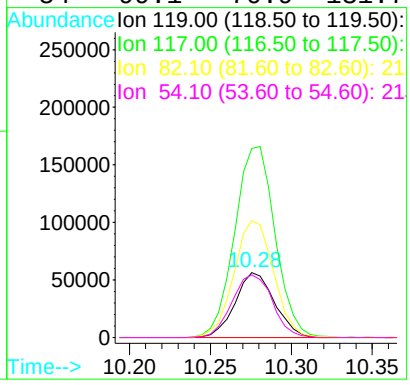


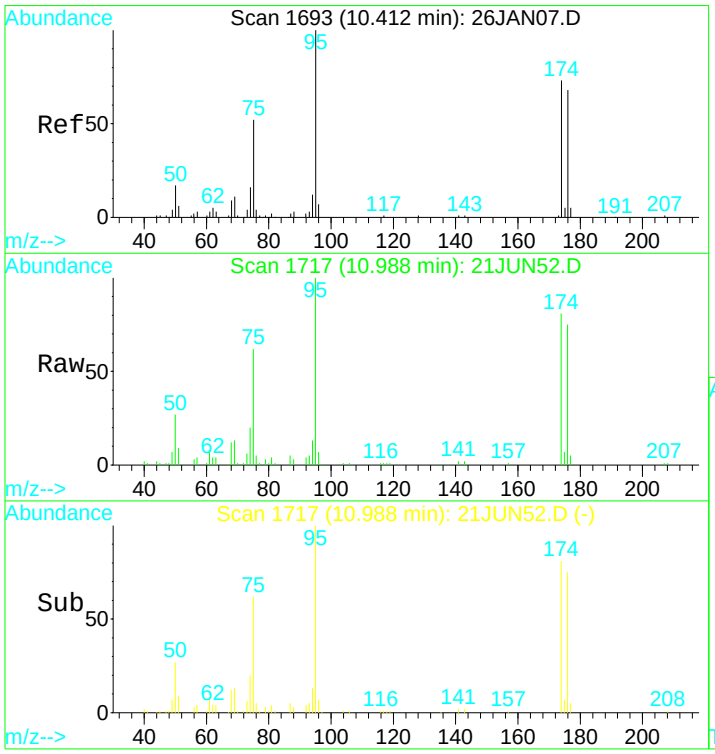


#41
Chlorobenzene d5 IS#3
Concen: 10.00 ug/L
RT: 10.28 min Scan# 1578
Delta R.T. -0.00 min
Lab File: 21JUN52.D
Acq: 22 Jun 2023 2:19 am

Tgt Ion:119 Resp: 95058

Ion	Ratio	Lower	Upper
119	100		
117	302.6	216.7	402.4
82	181.8	131.1	243.5
54	99.1	70.9	131.7

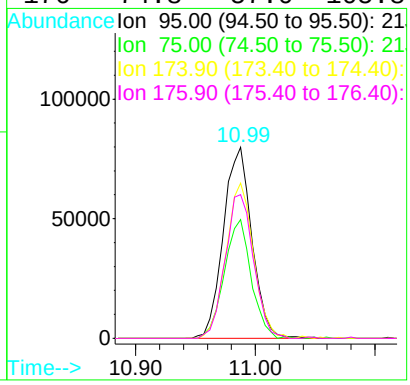




#51
Bromofluorobenzene SMC#3
Concen: N.D. ug/L
RT: 10.99 min Scan# 1717
Delta R.T. 0.00 min
Lab File: 21JUN52.D
Acq: 22 Jun 2023 2:19 am

Tgt Ion: 95 Resp: 132531

Ion	Ratio	Lower	Upper
95	100		
75	58.6	40.3	74.9
174	78.5	58.4	108.6
176	74.8	57.0	105.8



Quantitation Report (QT Reviewed)

Data File : D:\DATA\JUN2023C\JUN21\21JUN52.D Vial: 52
Acq On : 22 Jun 2023 2:19 am Operator: MGC
Sample : 2311827-03 Inst : MS-V5
Misc : 1 ;25ML;pH<2 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jun 22 11:47 2023 Quant Results File: 82605CX.RES

Quant Method : C:\HPCHEM\1...\82605CX.M (RTE Integrator)
Title : EPA Method 8260C/DX
Last Update : Thu Jun 22 04:57:10 2023
Response via : Initial Calibration
DataAcq Meth : 82605

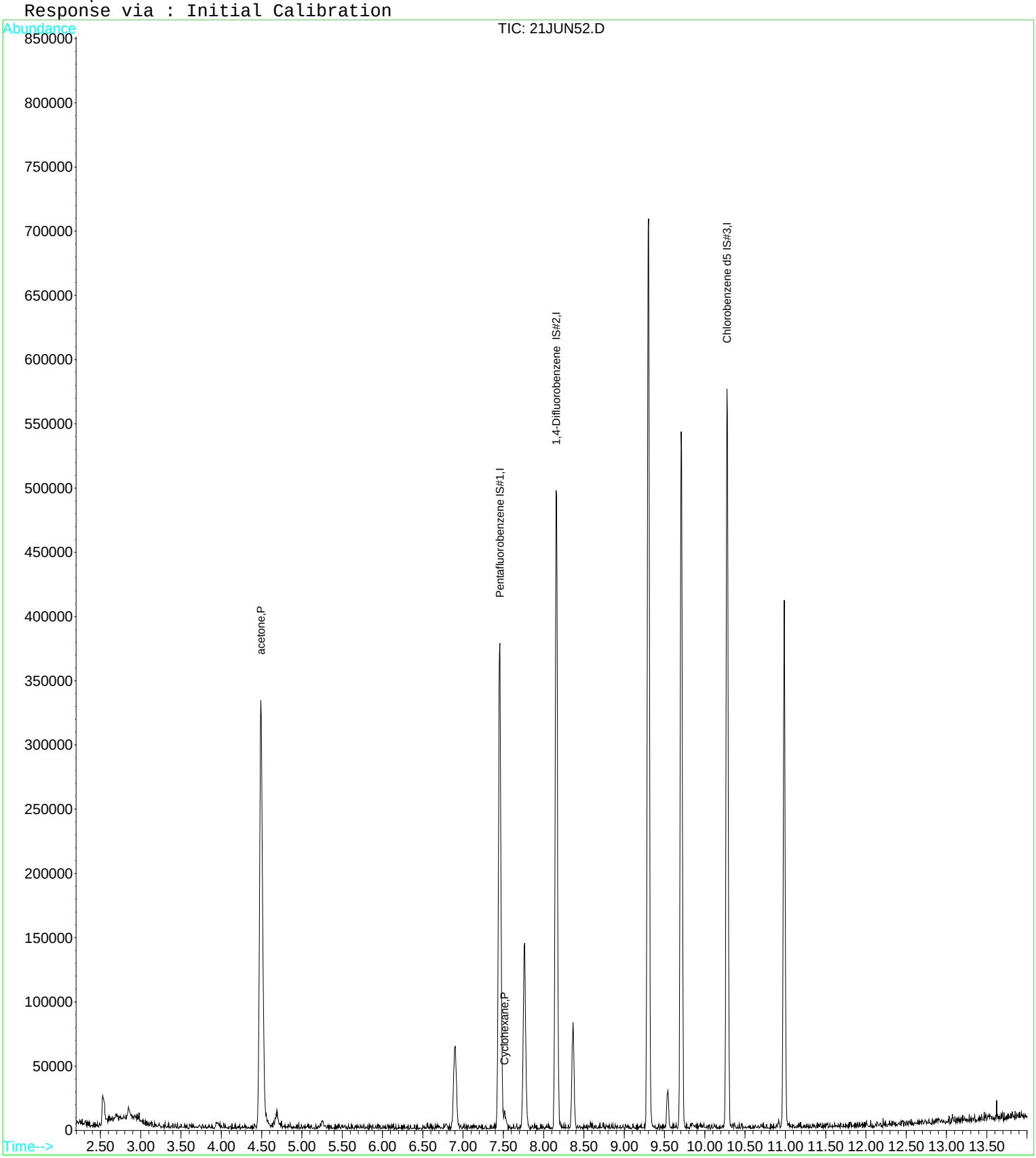
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene IS#1	7.45	137	49138	10.00	ug/L	0.00
29) 1,4-Difluorobenzene IS#2	8.15	63	101367	10.00	ug/L	0.00
36) Chlorobenzene d5 IS#3	10.28	119	95058	10.00	ug/L	0.00
Target Compounds						Qvalue
8) acetone	4.49	43	641438	455.85	ug/L	92
27) Cyclohexane	7.51	56	6069	0.20	ug/L	85

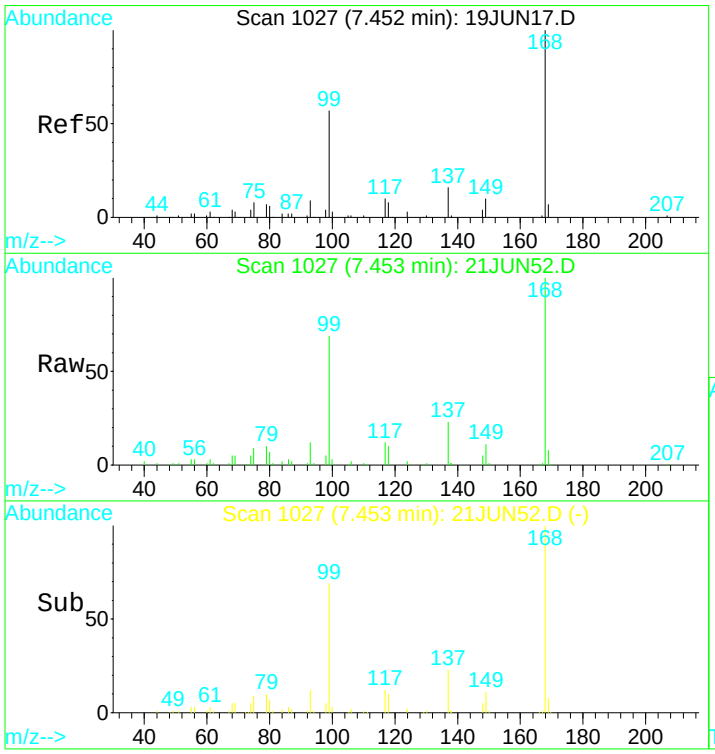
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : D:\DATA\JUN2023C\JUN21\21JUN52.D Vial: 52
Acq On : 22 Jun 2023 2:19 am Operator: MGC
Sample : 2311827-03 Inst : MS-V5
Misc : 1 ;25ML;pH<2 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jun 22 11:47 2023 Quant Results File: 82605CX.RES

Method : C:\HPCHEM\1\METHODS\C\202306\19-1901\82605CX.M (RTE Integrator)
Title : EPA Method 8260C/DX
Last Update : Thu Jun 22 04:57:10 2023
Response via : Initial Calibration

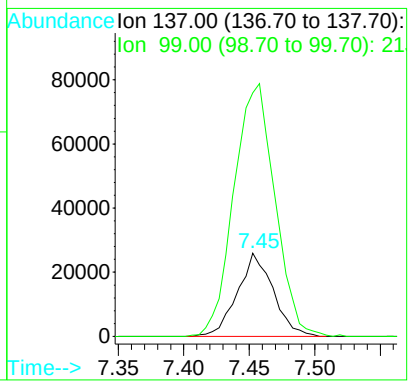


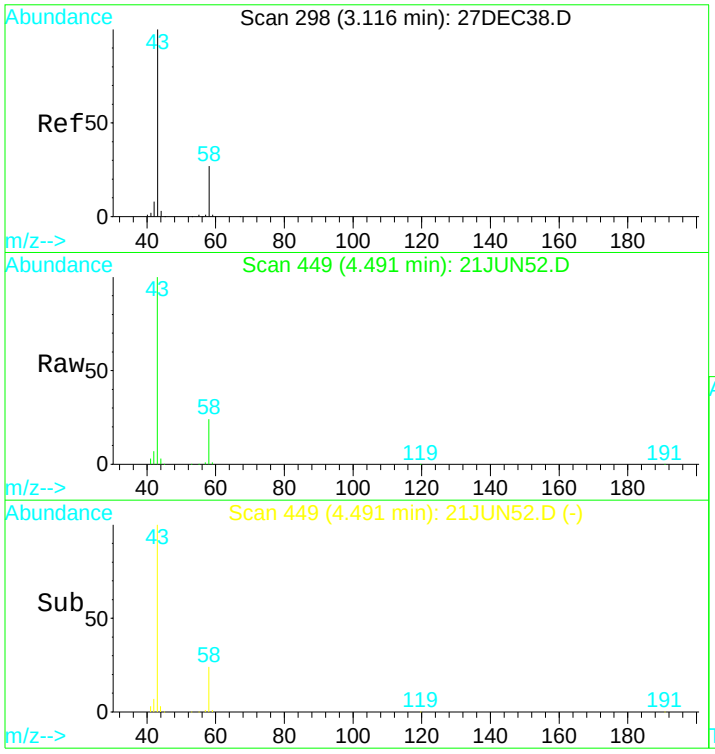


#1
Pentafluorobenzene IS#1
Concen: 10.00 ug/L
RT: 7.45 min Scan# 1027
Delta R.T. 0.00 min
Lab File: 21JUN52.D
Acq: 22 Jun 2023 2:19 am

Tgt Ion:137 Resp: 49138

Ion	Ratio	Lower	Upper
137	100		
99	350.0	248.4	461.4

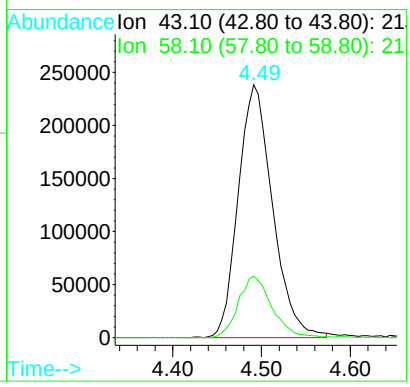


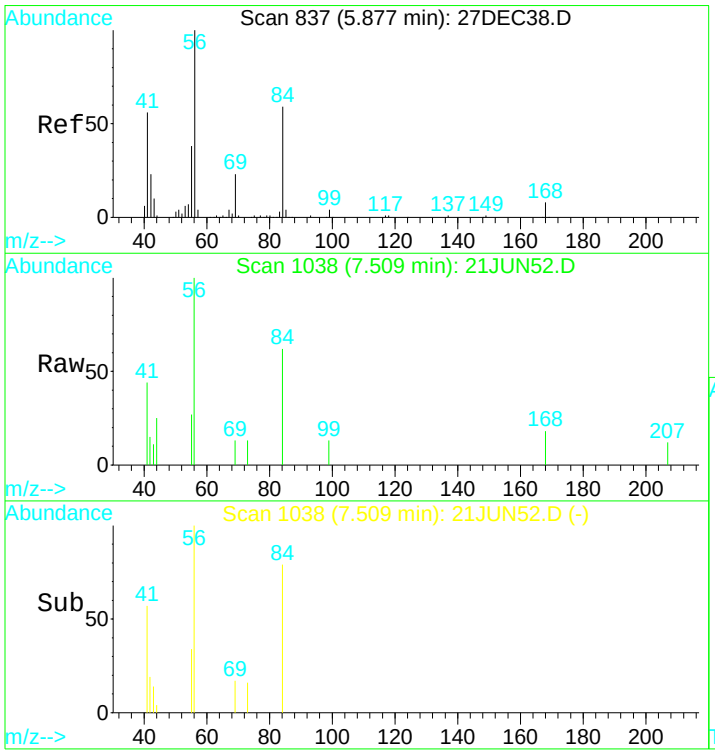


#8
acetone
Concen: 455.85 ug/L
RT: 4.49 min Scan# 449
Delta R.T. -0.00 min
Lab File: 21JUN52.D
Acq: 22 Jun 2023 2:19 am

Tgt Ion: 43 Resp: 641438

Ion	Ratio	Lower	Upper
43	100		
58	23.6	19.4	36.0

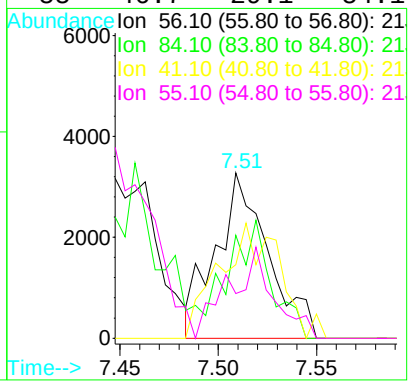


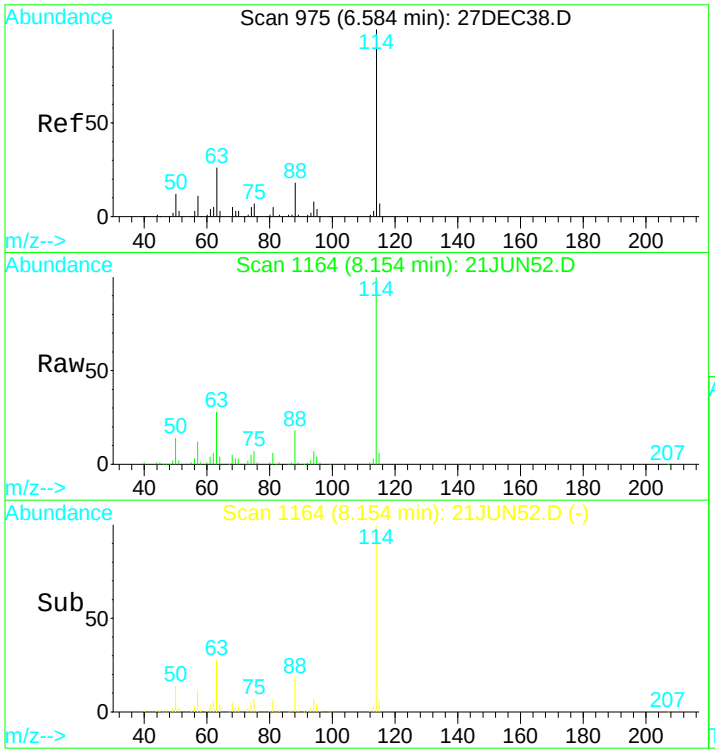


#27
Cyclohexane
Concen: 0.20 ug/L
RT: 7.51 min Scan# 1038
Delta R.T. -0.01 min
Lab File: 21JUN52.D
Acq: 22 Jun 2023 2:19 am

Tgt Ion: 56 Resp: 6069

Ion	Ratio	Lower	Upper
56	100		
84	57.2	49.0	91.0
41	79.8	44.8	83.2
55	46.7	29.1	54.1

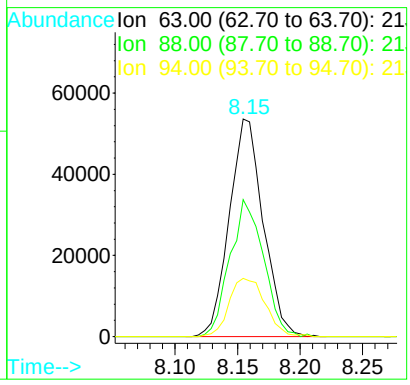


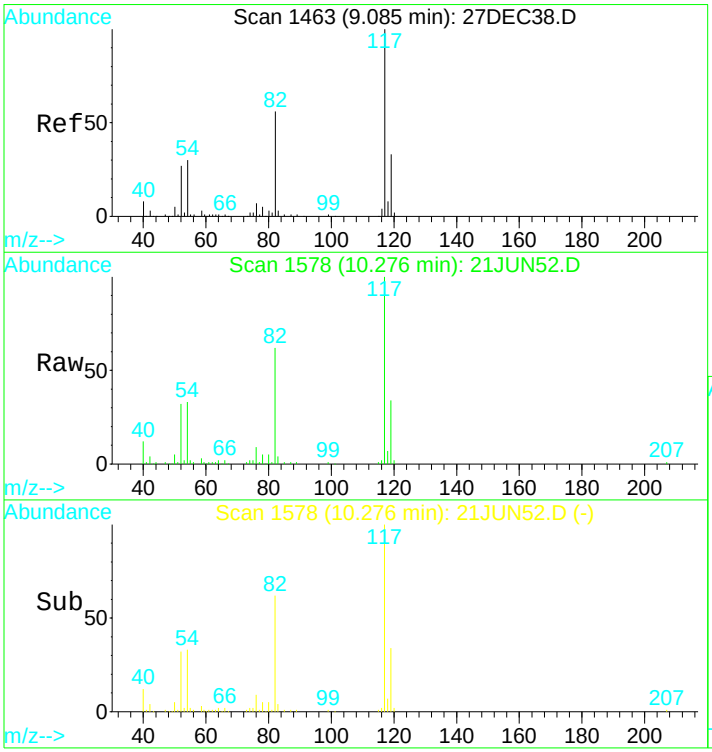


#29
1,4-Difluorobenzene IS#2
Concen: 10.00 ug/L
RT: 8.15 min Scan# 1164
Delta R.T. -0.00 min
Lab File: 21JUN52.D
Acq: 22 Jun 2023 2:19 am

Tgt Ion: 63 Resp: 101367

Ion	Ratio	Lower	Upper
63	100		
88	62.4	45.1	83.7
94	28.6	19.5	36.1

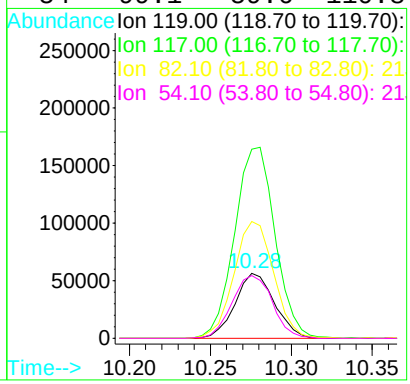




#36
Chlorobenzene d5 IS#3
Concen: 10.00 ug/L
RT: 10.28 min Scan# 1578
Delta R.T. -0.00 min
Lab File: 21JUN52.D
Acq: 22 Jun 2023 2:19 am

Tgt Ion:119 Resp: 95058

Ion	Ratio	Lower	Upper
119	100		
117	302.6	220.4	409.2
82	181.8	126.8	235.6
54	99.1	59.6	110.8



Quantitation Report (QT Reviewed)

Data File : D:\DATA\JUN2023C\JUN21\21JUN53.D Vial: 53
Acq On : 22 Jun 2023 2:43 am Operator: MGC
Sample : 2311827-04 Inst : MS-V5
Misc : 1 ;25ML;pH<2 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jun 22 11:33 2023 Quant Results File: 82605C.RES

Quant Method : C:\HPCHEM\1...\82605C.M (RTE Integrator)
Title : EPA Method 8260C/D
Last Update : Thu Jun 22 11:15:56 2023
Response via : Initial Calibration
DataAcq Meth : 82605

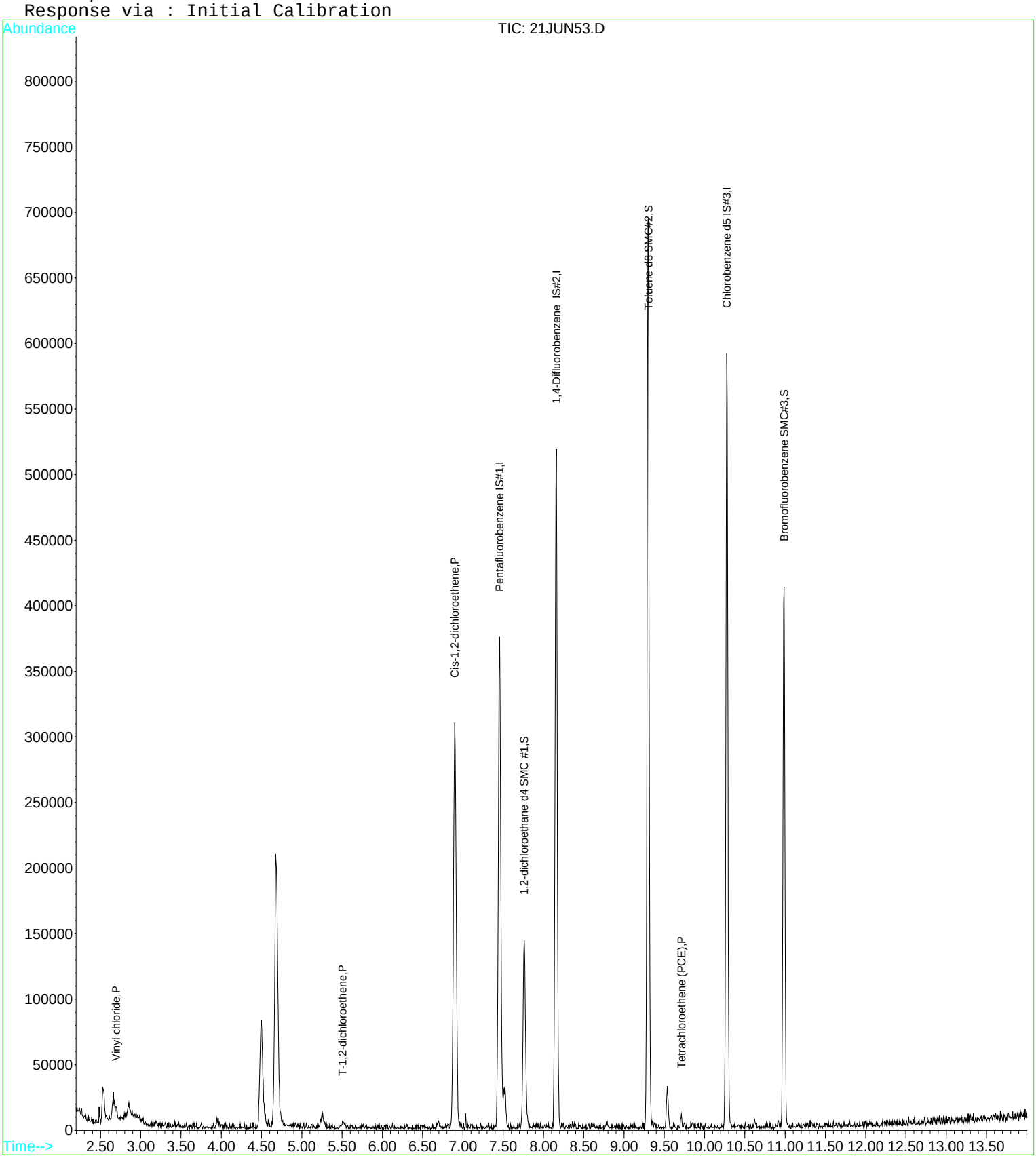
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene IS#1	7.46	137	46464	10.00	ug/L	0.00
26) 1,4-Difluorobenzene IS#2	8.16	63	103473	10.00	ug/L	0.00
41) Chlorobenzene d5 IS#3	10.27	119	94310	10.00	ug/L	0.00
System Monitoring Compounds						
23) 1,2-dichloroethane d4 SMC	7.76	65	125832	10.40	ug/L	0.00
Spiked Amount 10.000	Range 75 - 125		Recovery = 104.00%			
33) Toluene d8 SMC#2	9.30	98	426247	9.86	ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 98.60%			
51) Bromofluorobenzene SMC#3	10.99	95	134565	9.78	ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 97.80%			
Target Compounds						Qvalue
5) Vinyl chloride	2.70	62	7155	0.52	ug/L #	80
14) T-1,2-dichloroethene	5.51	96	2119m	0.16	ug/L	
17) Cis-1,2-dichloroethene	6.90	96	148826	10.80	ug/L	86
37) Tetrachloroethene (PCE)	9.71	166	2216	0.16	ug/L #	81

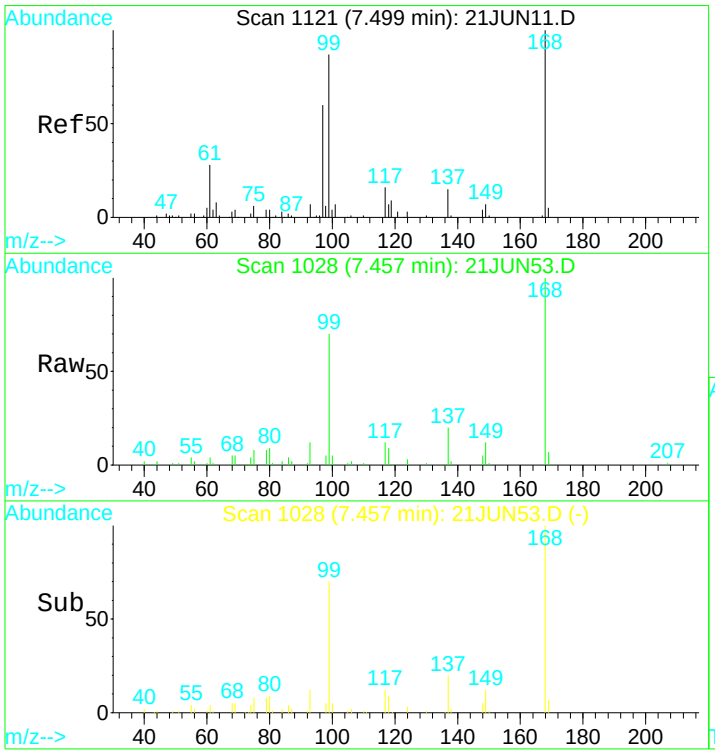
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : D:\DATA\JUN2023C\JUN21\21JUN53.D Vial: 53
Acq On : 22 Jun 2023 2:43 am Operator: MGC
Sample : 2311827-04 Inst : MS-V5
Misc : 1 ;25ML;pH<2 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jun 22 11:33 2023 Quant Results File: 82605C.RES

Method : C:\HPCHEM\1\METHODS\C\202306\21-0902\82605C.M (RTE Integrator)
Title : EPA Method 8260C/D
Last Update : Thu Jun 22 11:15:56 2023
Response via : Initial Calibration

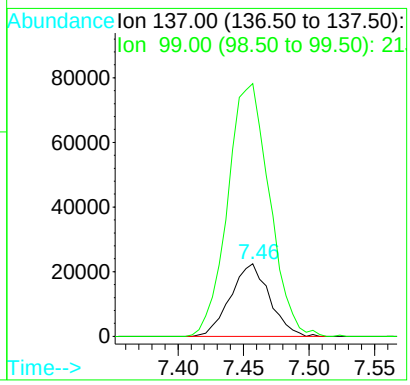


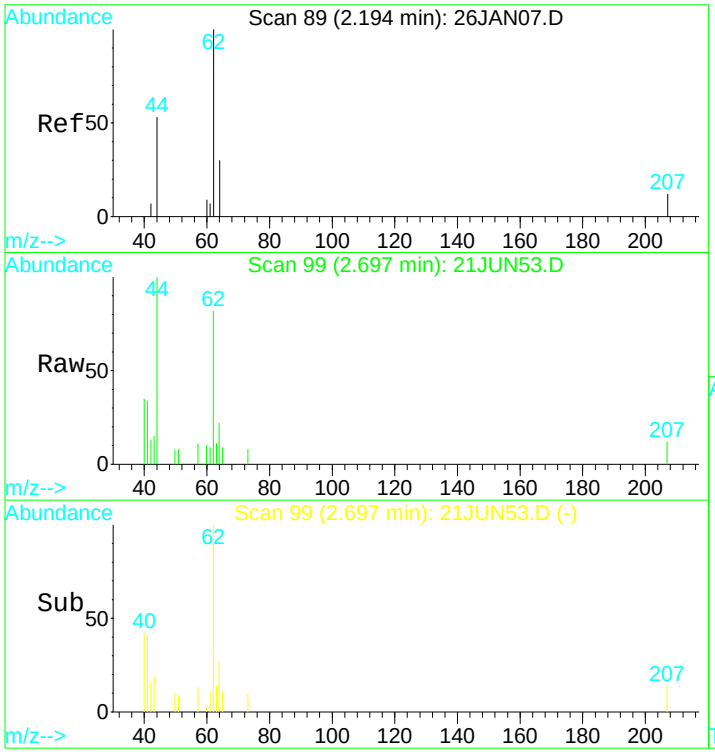


#1
Pentafluorobenzene IS#1
Concen: 10.00 ug/L
RT: 7.46 min Scan# 1028
Delta R.T. 0.00 min
Lab File: 21JUN53.D
Acq: 22 Jun 2023 2:43 am

Tgt Ion:137 Resp: 46464

Ion	Ratio	Lower	Upper
137	100		
99	373.2	1554.0	2886.0#

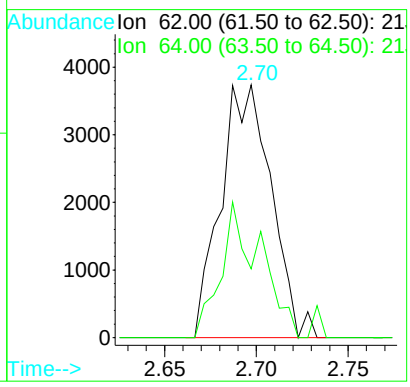


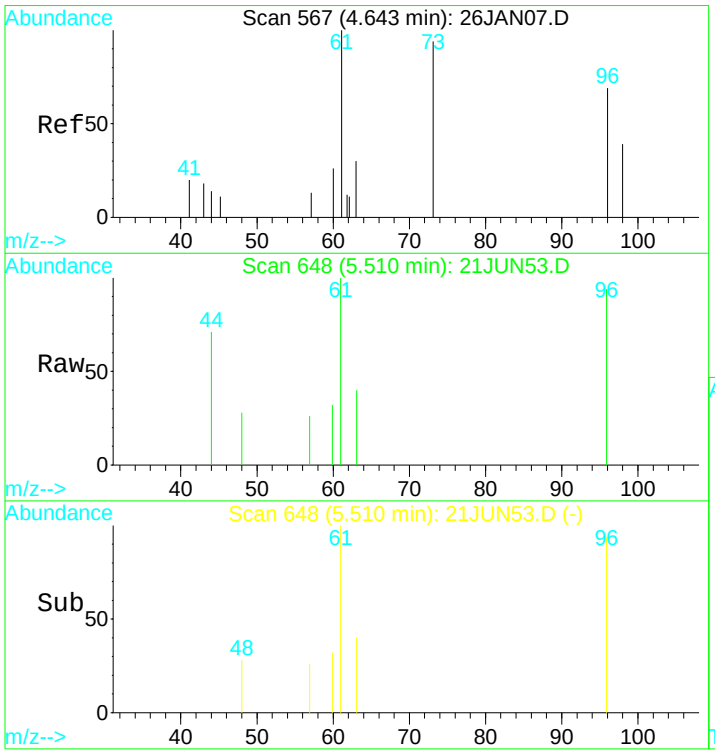


#5
Vinyl chloride
Concen: 0.52 ug/L
RT: 2.70 min Scan# 99
Delta R.T. 0.00 min
Lab File: 21JUN53.D
Acq: 22 Jun 2023 2:43 am

Tgt Ion: 62 Resp: 7155

Ion	Ratio	Lower	Upper
62	100		
64	42.1	21.9	40.7#

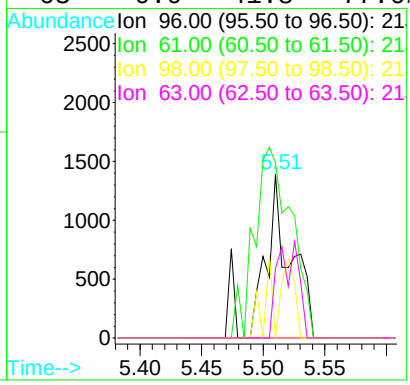


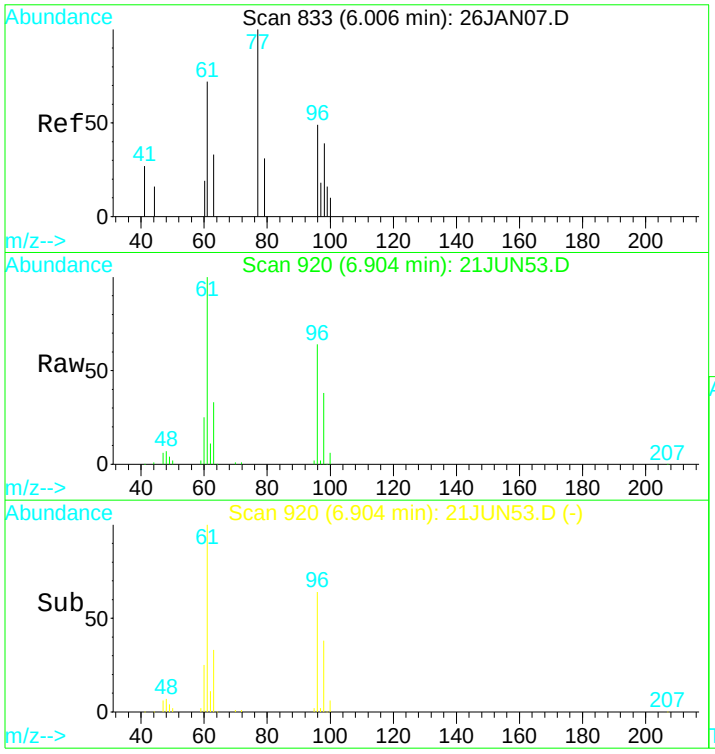


#14
T-1,2-dichloroethene
Concen: 0.16 ug/L m
RT: 5.51 min Scan# 648
Delta R.T. -0.00 min
Lab File: 21JUN53.D
Acq: 22 Jun 2023 2:43 am

Tgt Ion: 96 Resp: 2119

Ion	Ratio	Lower	Upper
96	100		
61	159.5	127.5	236.9
98	15.9	46.1	85.5#
63	0.0	41.8	77.6#

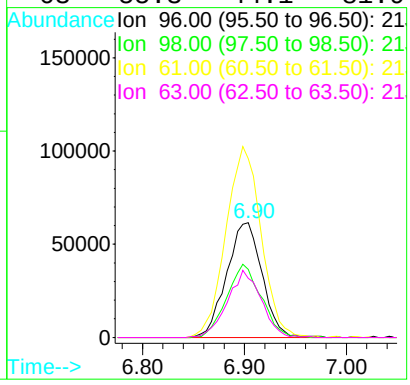


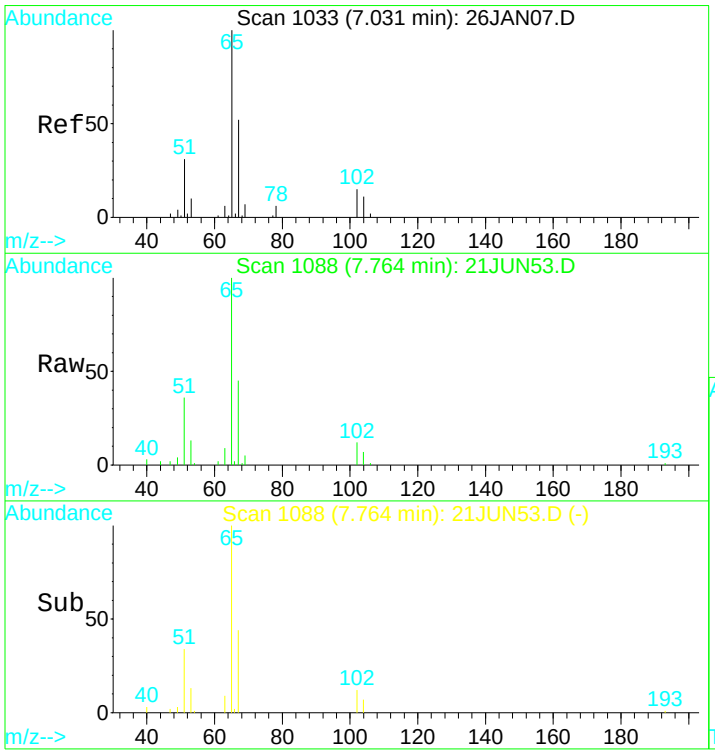


#17
Cis-1,2-dichloroethene
Concen: 10.80 ug/L
RT: 6.90 min Scan# 920
Delta R.T. 0.00 min
Lab File: 21JUN53.D
Acq: 22 Jun 2023 2:43 am

Tgt Ion: 96 Resp: 148826

Ion	Ratio	Lower	Upper
96	100		
98	61.9	45.4	84.2
61	165.0	134.1	249.1
63	55.3	44.1	81.9

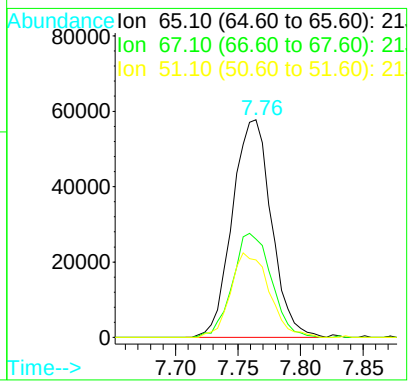


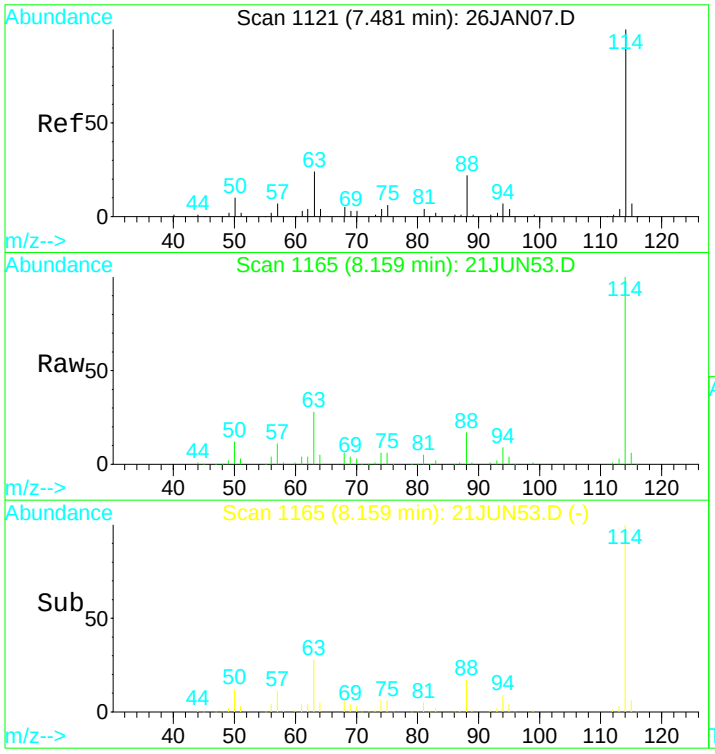


#23
1,2-dichloroethane d4 SMC #1
Concen: N.D. ug/L
RT: 7.76 min Scan# 1088
Delta R.T. 0.00 min
Lab File: 21JUN53.D
Acq: 22 Jun 2023 2:43 am

Tgt Ion: 65 Resp: 125832

Ion	Ratio	Lower	Upper
65	100		
67	47.4	33.0	61.2
51	38.2	440.4	817.8#

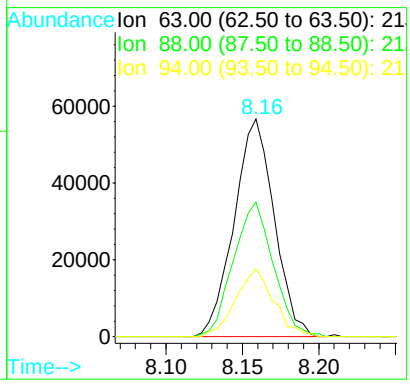


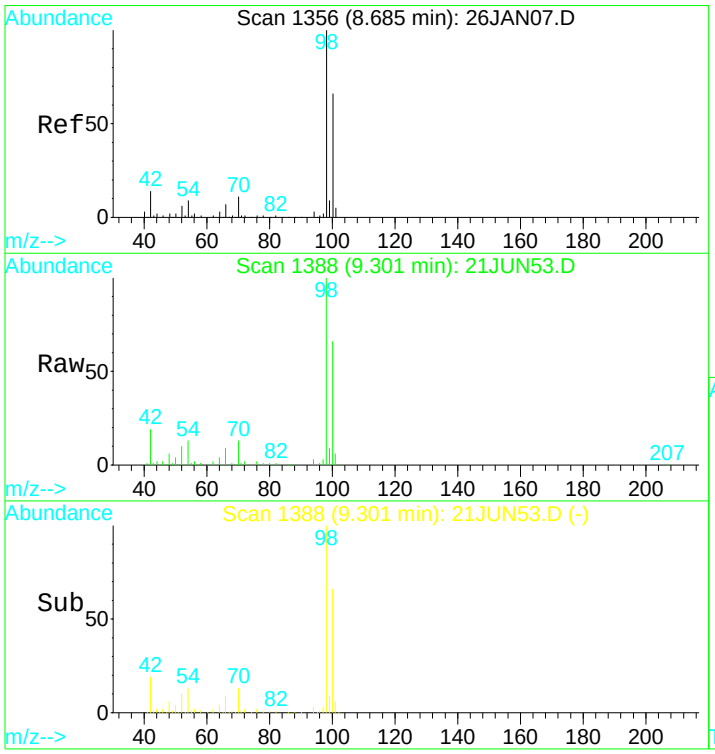


#26
1,4-Difluorobenzene IS#2
Concen: 10.00 ug/L
RT: 8.16 min Scan# 1165
Delta R.T. 0.00 min
Lab File: 21JUN53.D
Acq: 22 Jun 2023 2:43 am

Tgt Ion: 63 Resp: 103473

Ion	Ratio	Lower	Upper
63	100		
88	61.3	43.6	81.0
94	29.6	20.2	37.4

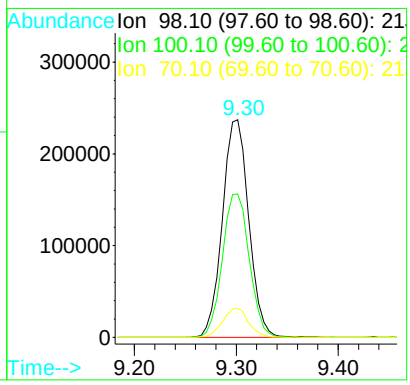


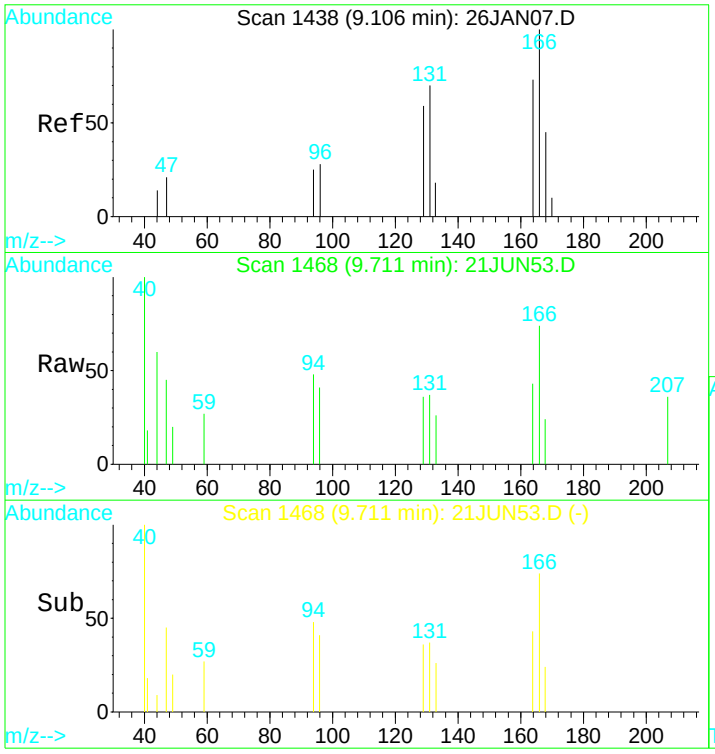


#33
Toluene d8 SMC#2
Concen: N.D. ug/L
RT: 9.30 min Scan# 1388
Delta R.T. 0.01 min
Lab File: 21JUN53.D
Acq: 22 Jun 2023 2:43 am

Tgt Ion: 98 Resp: 426247

Ion	Ratio	Lower	Upper
98	100		
100	67.1	46.8	87.0
70	13.2	9.0	16.6

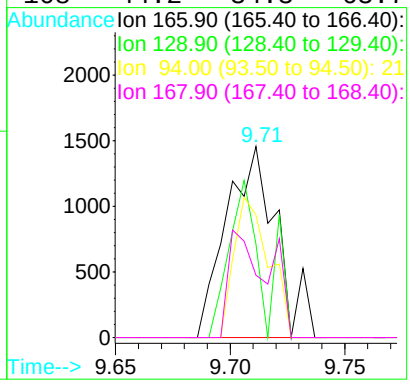


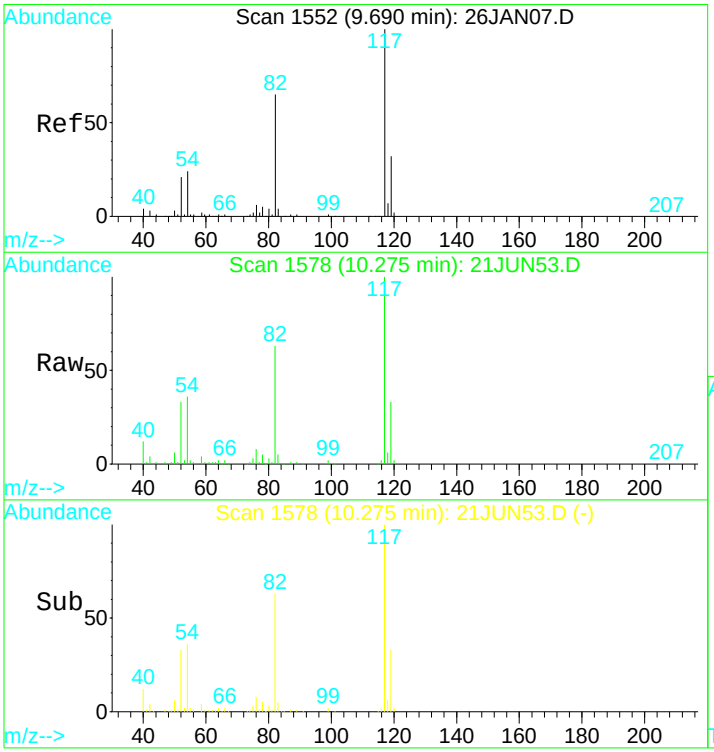


#37
Tetrachloroethene (PCE)
Concen: 0.16 ug/L
RT: 9.71 min Scan# 1468
Delta R.T. 0.00 min
Lab File: 21JUN53.D
Acq: 22 Jun 2023 2:43 am

Tgt Ion:166 Resp: 2216

Ion	Ratio	Lower	Upper
166	100		
129	43.1	51.4	95.4#
94	51.3	39.2	72.8
168	44.2	34.3	63.7

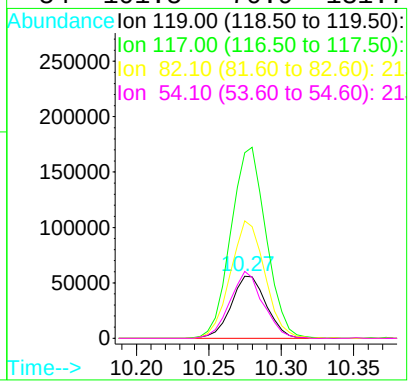


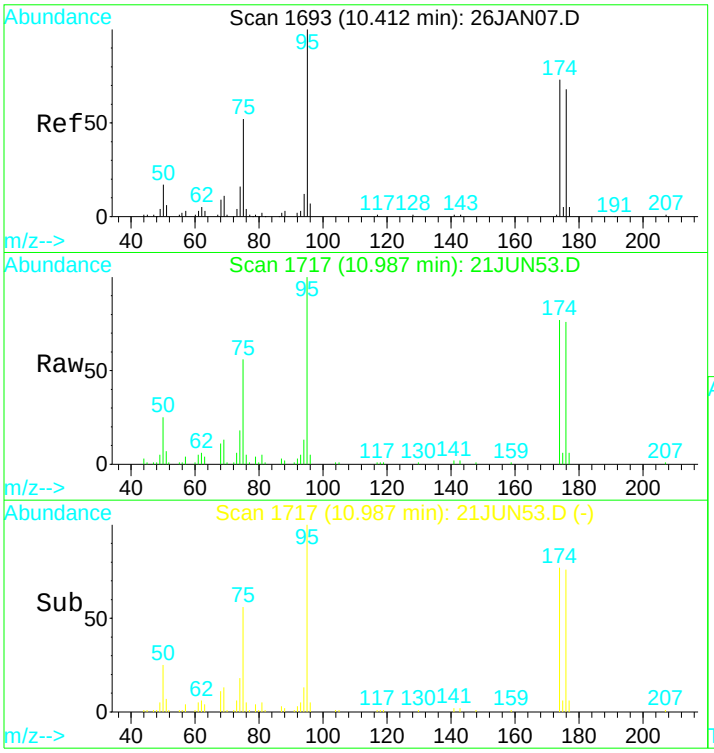


#41
Chlorobenzene d5 IS#3
Concen: 10.00 ug/L
RT: 10.27 min Scan# 1578
Delta R.T. -0.00 min
Lab File: 21JUN53.D
Acq: 22 Jun 2023 2:43 am

Tgt Ion:119 Resp: 94310

Ion	Ratio	Lower	Upper
119	100		
117	309.0	216.7	402.4
82	185.9	131.1	243.5
54	101.5	70.9	131.7

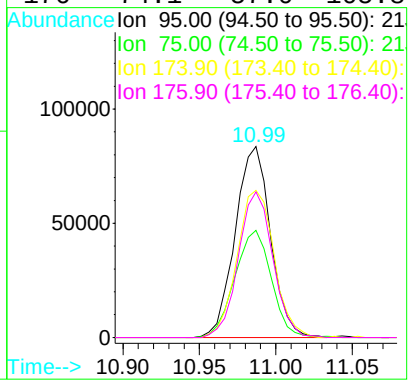




#51
Bromofluorobenzene SMC#3
Concen: N.D. ug/L
RT: 10.99 min Scan# 1717
Delta R.T. 0.00 min
Lab File: 21JUN53.D
Acq: 22 Jun 2023 2:43 am

Tgt Ion: 95 Resp: 134565

Ion	Ratio	Lower	Upper
95	100		
75	57.9	40.3	74.9
174	80.3	58.4	108.6
176	74.1	57.0	105.8



Quantitation Report (QT Reviewed)

Data File : D:\DATA\JUN2023C\JUN21\21JUN53.D Vial: 53
Acq On : 22 Jun 2023 2:43 am Operator: MGC
Sample : 2311827-04 Inst : MS-V5
Misc : 1 ;25ML;pH<2 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jun 22 11:48 2023 Quant Results File: 82605CX.RES

Quant Method : C:\HPCHEM\1...\82605CX.M (RTE Integrator)
Title : EPA Method 8260C/DX
Last Update : Thu Jun 22 04:57:10 2023
Response via : Initial Calibration
DataAcq Meth : 82605

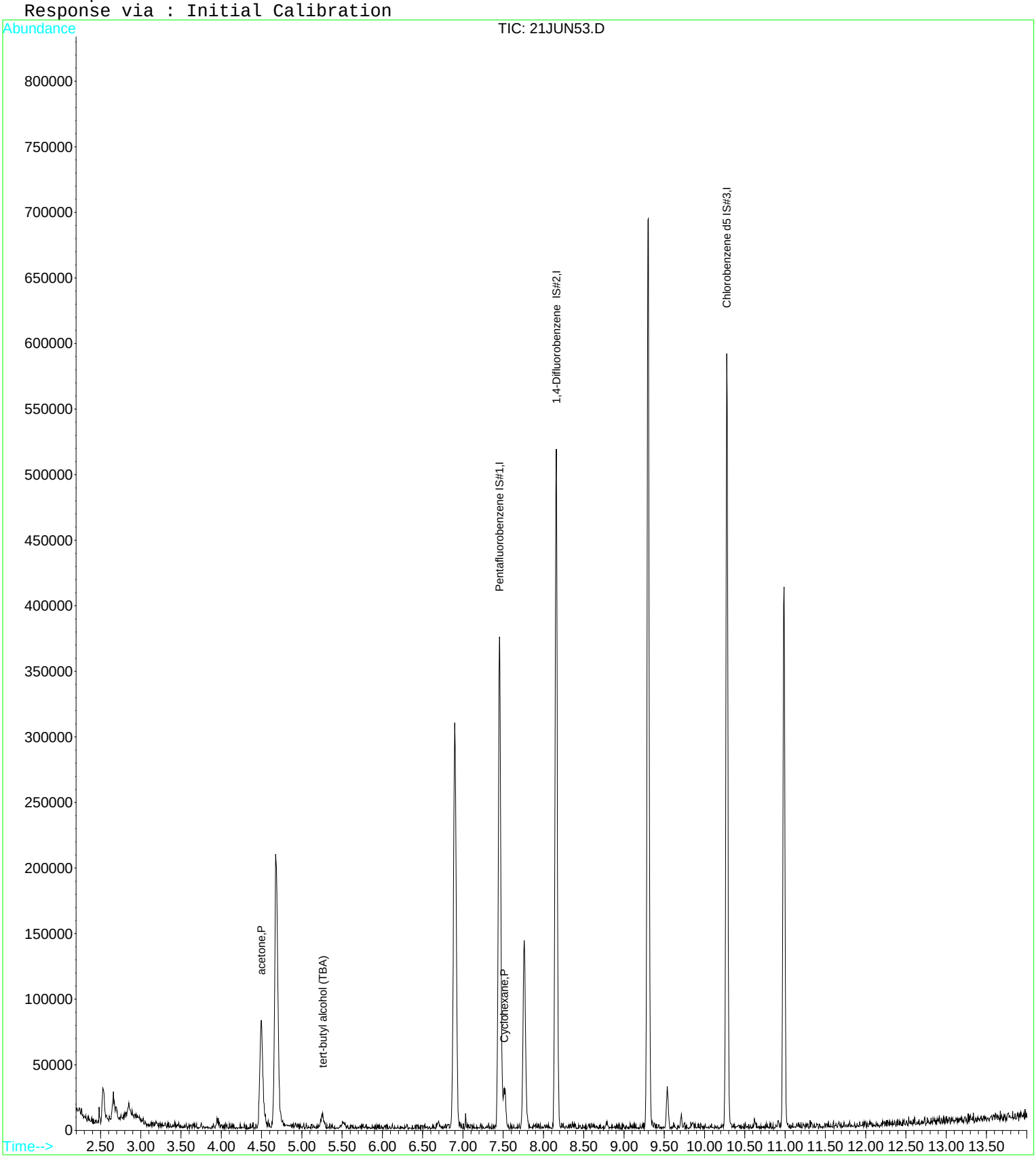
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene IS#1	7.46	137	46464	10.00	ug/L	0.00
29) 1,4-Difluorobenzene IS#2	8.16	63	103473	10.00	ug/L	0.00
36) Chlorobenzene d5 IS#3	10.27	119	94310	10.00	ug/L	0.00
Target Compounds						Qvalue
8) acetone	4.50	43	157443	118.33	ug/L	91
9) tert-butyl alcohol (TBA)	5.26	59	15899	39.32	ug/L	100
27) Cyclohexane	7.51	56	17845	0.62	ug/L	90

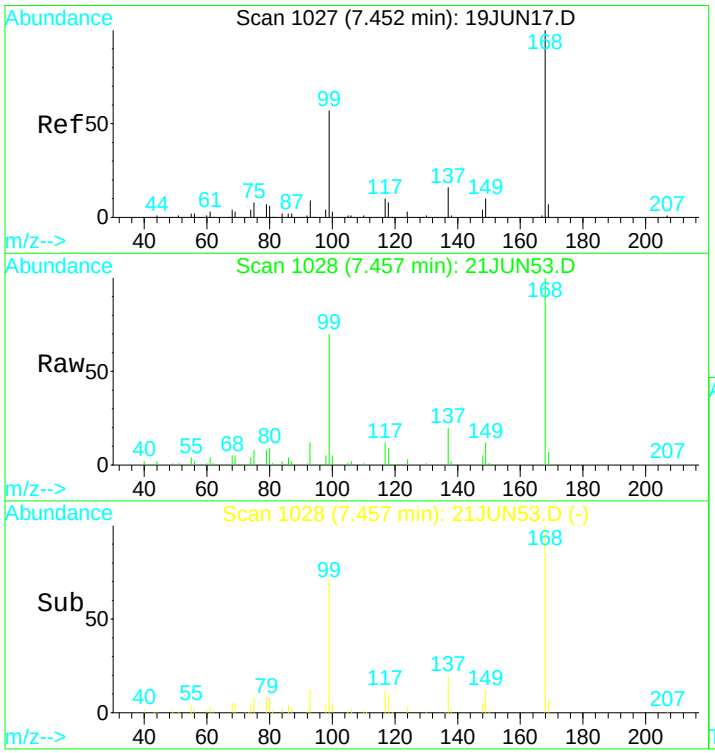
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : D:\DATA\JUN2023C\JUN21\21JUN53.D Vial: 53
Acq On : 22 Jun 2023 2:43 am Operator: MGC
Sample : 2311827-04 Inst : MS-V5
Misc : 1 ;25ML;pH<2 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jun 22 11:48 2023 Quant Results File: 82605CX.RES

Method : C:\HPCHEM\1\METHODS\C\202306\19-1901\82605CX.M (RTE Integrator)
Title : EPA Method 8260C/DX
Last Update : Thu Jun 22 04:57:10 2023
Response via : Initial Calibration

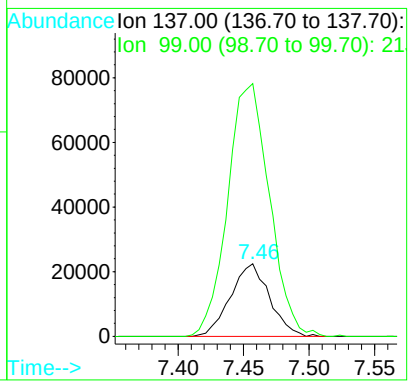


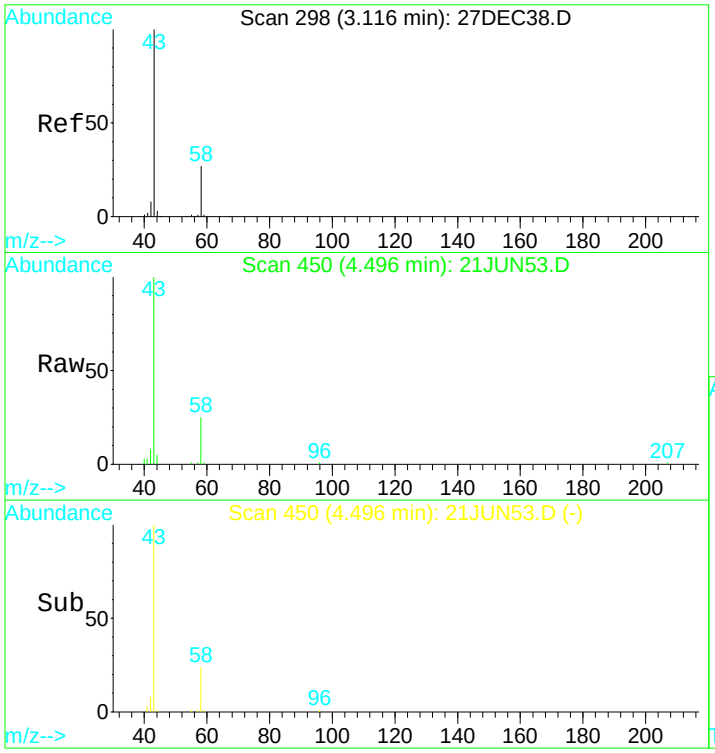


#1
Pentafluorobenzene IS#1
Concen: 10.00 ug/L
RT: 7.46 min Scan# 1028
Delta R.T. 0.01 min
Lab File: 21JUN53.D
Acq: 22 Jun 2023 2:43 am

Tgt Ion:137 Resp: 46464

Ion	Ratio	Lower	Upper
137	100		
99	373.2	248.4	461.4

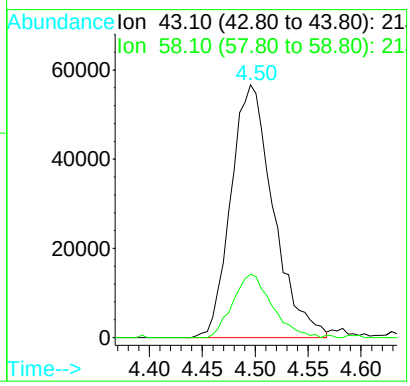


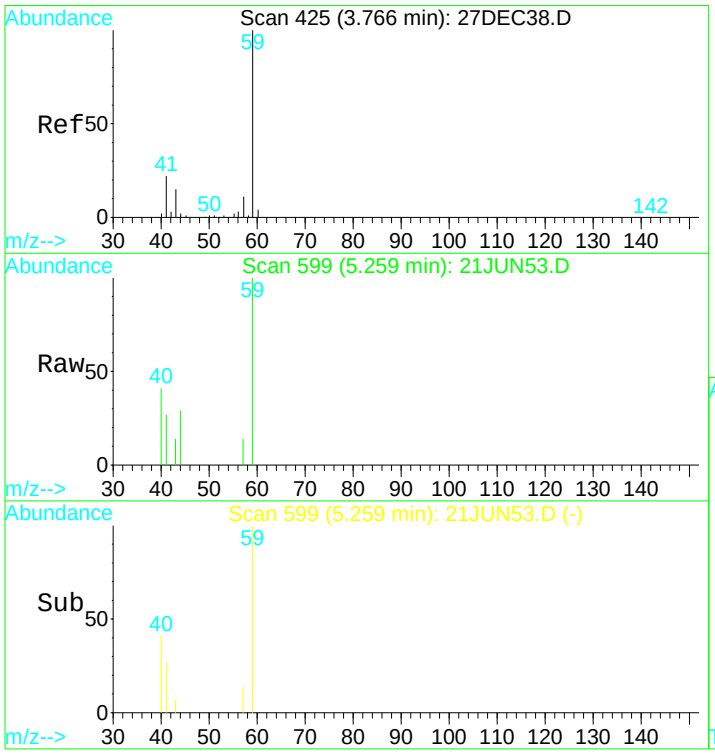


#8
acetone
Concen: 118.33 ug/L
RT: 4.50 min Scan# 450
Delta R.T. 0.00 min
Lab File: 21JUN53.D
Acq: 22 Jun 2023 2:43 am

Tgt Ion: 43 Resp: 157443

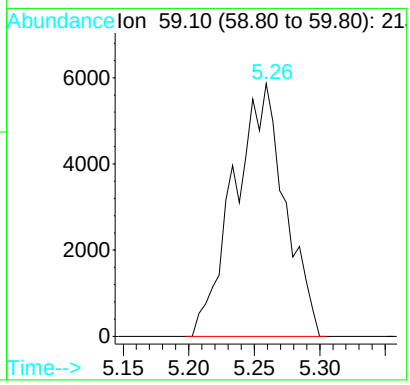
Ion	Ratio	Lower	Upper
43	100		
58	23.1	19.4	36.0

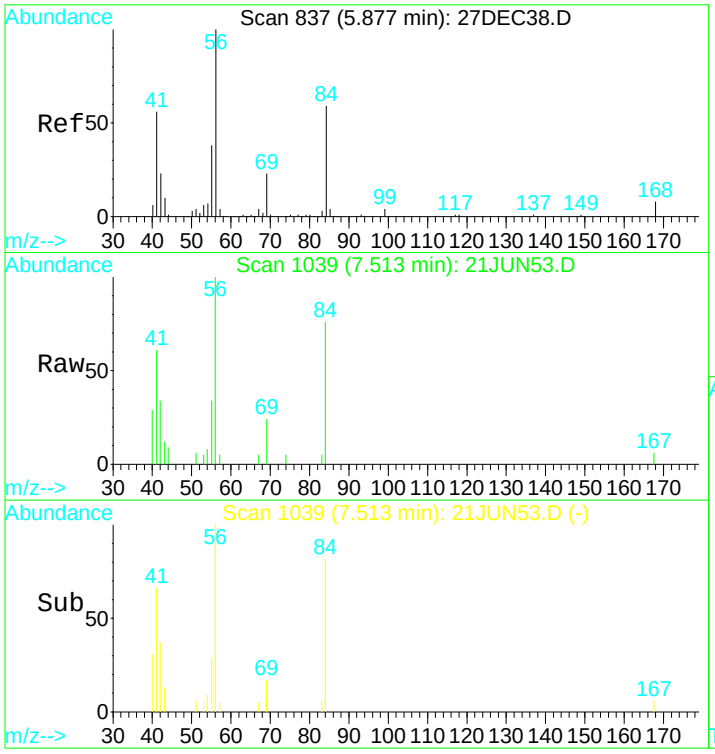




#9
tert-butyl alcohol (TBA)
Concen: 39.32 ug/L
RT: 5.26 min Scan# 599
Delta R.T. -0.01 min
Lab File: 21JUN53.D
Acq: 22 Jun 2023 2:43 am

Tgt Ion: 59 Resp: 15899

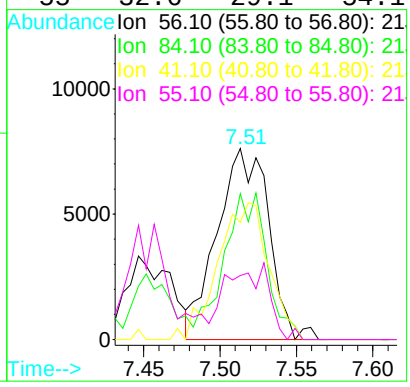


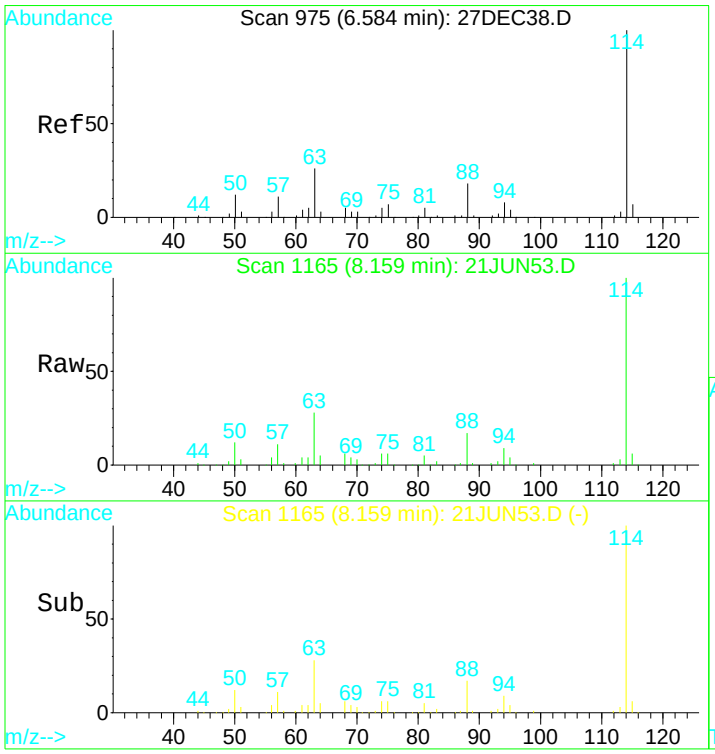


#27
Cyclohexane
Concen: 0.62 ug/L
RT: 7.51 min Scan# 1039
Delta R.T. -0.01 min
Lab File: 21JUN53.D
Acq: 22 Jun 2023 2:43 am

Tgt Ion: 56 Resp: 17845

Ion	Ratio	Lower	Upper
56	100		
84	63.1	49.0	91.0
41	70.4	44.8	83.2
55	32.6	29.1	54.1

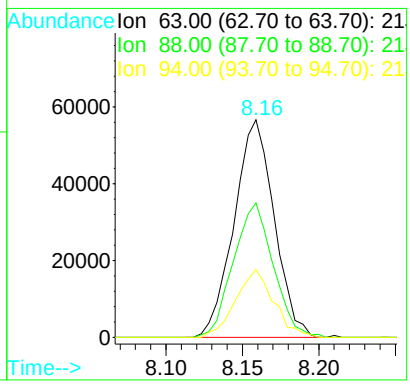


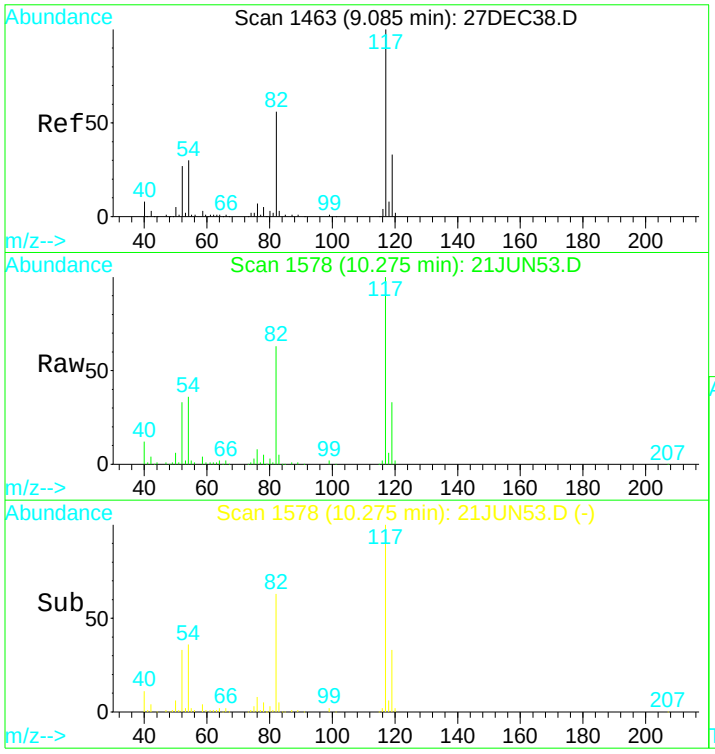


#29
1,4-Difluorobenzene IS#2
Concen: 10.00 ug/L
RT: 8.16 min Scan# 1165
Delta R.T. 0.00 min
Lab File: 21JUN53.D
Acq: 22 Jun 2023 2:43 am

Tgt Ion: 63 Resp: 103473

Ion	Ratio	Lower	Upper
63	100		
88	61.3	45.1	83.7
94	29.6	19.5	36.1

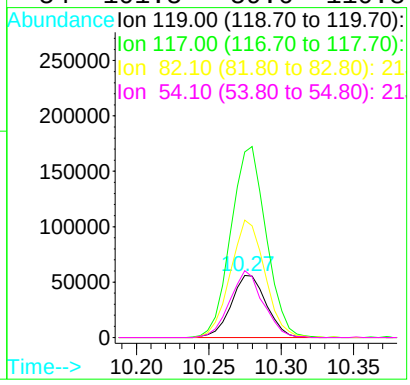




#36
Chlorobenzene d5 IS#3
Concen: 10.00 ug/L
RT: 10.27 min Scan# 1578
Delta R.T. -0.01 min
Lab File: 21JUN53.D
Acq: 22 Jun 2023 2:43 am

Tgt Ion:119 Resp: 94310

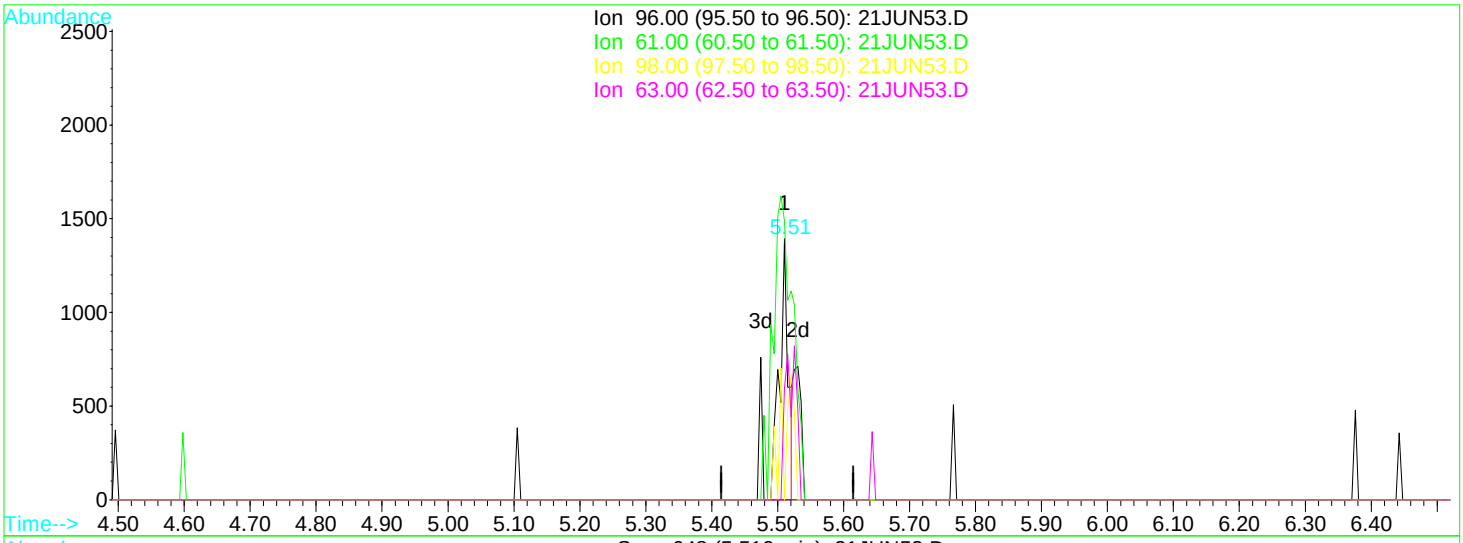
Ion	Ratio	Lower	Upper
119	100		
117	309.0	220.4	409.2
82	185.9	126.8	235.6
54	101.5	59.6	110.8

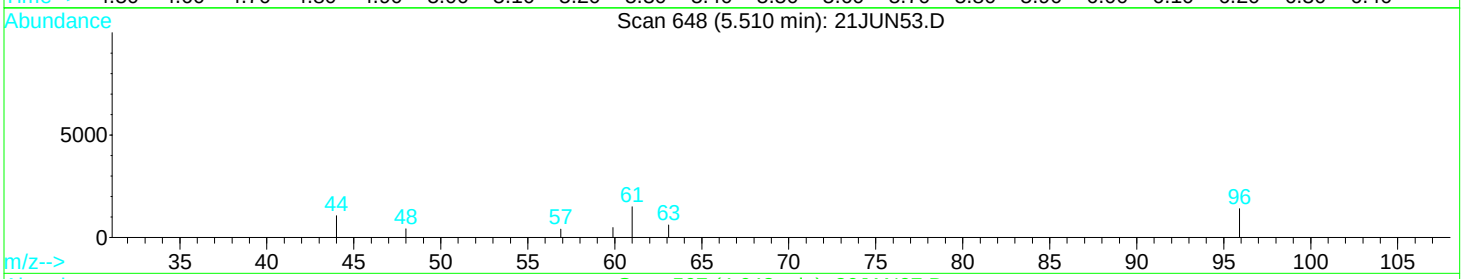


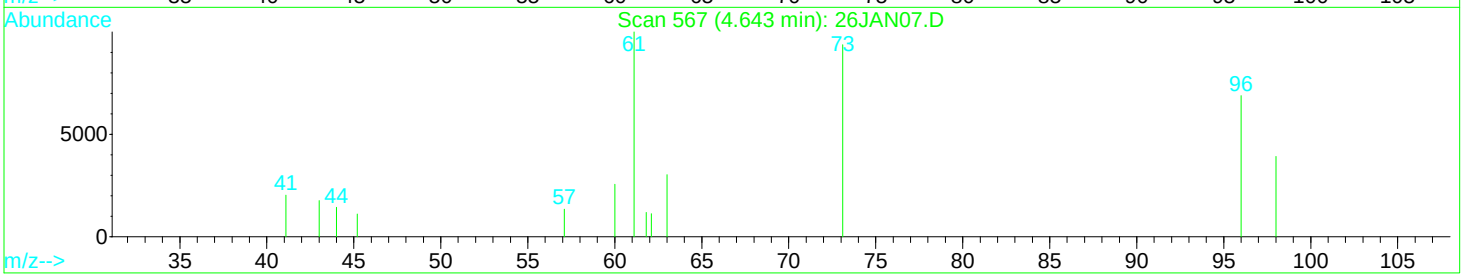
Quantitation Report (Qedit)

Data File : D:\DATA\JUN2023C\JUN21\21JUN53.D Vial: 53
Acq On : 22 Jun 2023 2:43 am Operator: MGC
Sample : 2311827-04 Inst : MS-V5
Misc : 1 ;25ML;pH<2 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jun 22 11:32 2023 Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\C\202306\21-0902\82605C.M (RTE Integrator)
Title : EPA Method 8260C/D
Last Update : Thu Jun 22 11:15:56 2023
Response via : Multiple Level Calibration







TIC: 21JUN53.D

(14) T-1,2-dichloroethene (P)

5.51min 0.08ug/L

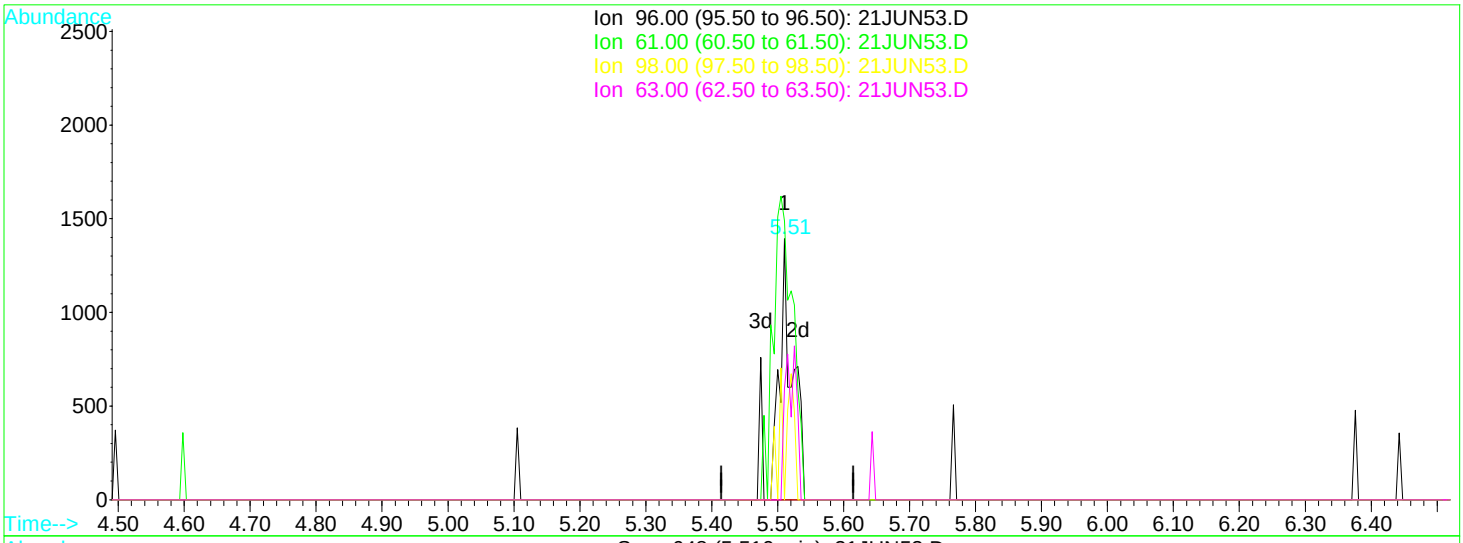
response 1107

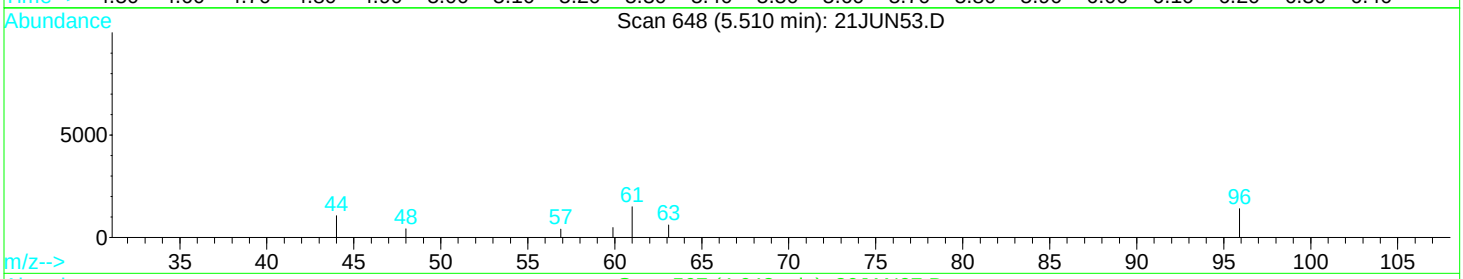
Ion	Exp%	Act%
96.00	100	100
61.00	182.20	305.24#
98.00	65.80	30.35#
63.00	59.70	0.00#

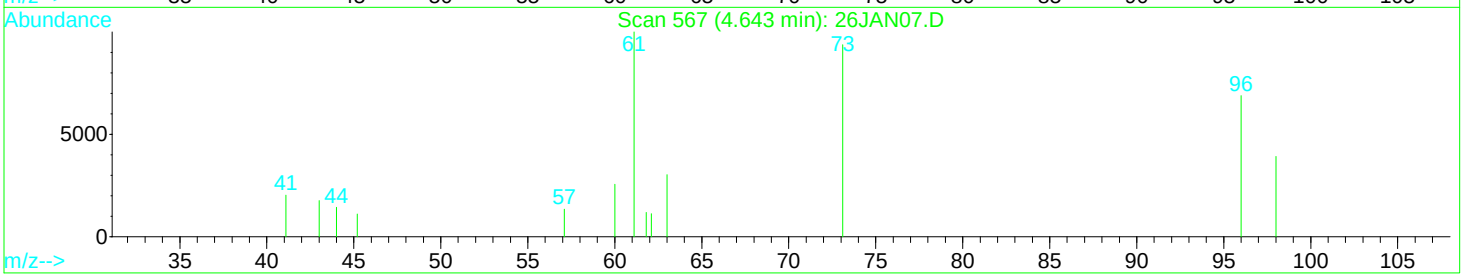
Quantitation Report (Qedit)

Data File : D:\DATA\JUN2023C\JUN21\21JUN53.D Vial: 53
Acq On : 22 Jun 2023 2:43 am Operator: MGC
Sample : 2311827-04 Inst : MS-V5
Misc : 1 ;25ML;pH<2 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jun 22 11:33 2023 Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\C\202306\21-0902\82605C.M (RTE Integrator)
Title : EPA Method 8260C/D
Last Update : Thu Jun 22 11:15:56 2023
Response via : Multiple Level Calibration







TIC: 21JUN53.D

(14) T-1,2-dichloroethene (P)

5.51min 0.16ug/L m

response 2119

Ion	Exp%	Act%
96.00	100	100
61.00	182.20	159.46
98.00	65.80	15.86#
63.00	59.70	0.00#

Analyst: MGC
Date: 2023-06-22 11:33
Reason: (P) - Peak Correction - misidentification correction
(X) - Reviewed for acceptability

Quantitation Report (QT Reviewed)

Data File : D:\DATA\JUN2023C\JUN21\21JUN49.D Vial: 49
Acq On : 22 Jun 2023 1:07 am Operator: MGC
Sample : 2311827-05 Inst : MS-V5
Misc : 1 Unspiked;25ML;pH<2 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jun 22 11:30 2023 Quant Results File: 82605C.RES

Quant Method : C:\HPCHEM\1...\82605C.M (RTE Integrator)
Title : EPA Method 8260C/D
Last Update : Thu Jun 22 11:15:56 2023
Response via : Initial Calibration
DataAcq Meth : 82605

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene IS#1	7.45	137	49243	10.00	ug/L	0.00
26) 1,4-Difluorobenzene IS#2	8.16	63	108185	10.00	ug/L	0.00
41) Chlorobenzene d5 IS#3	10.28	119	97903	10.00	ug/L	0.00
System Monitoring Compounds						
23) 1,2-dichloroethane d4 SMC	7.76	65	127764	9.96	ug/L	0.00
Spiked Amount 10.000	Range 75 - 125		Recovery = 99.60%			
33) Toluene d8 SMC#2	9.30	98	437373	9.67	ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 96.70%			
51) Bromofluorobenzene SMC#3	10.99	95	139072	9.73	ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 97.30%			

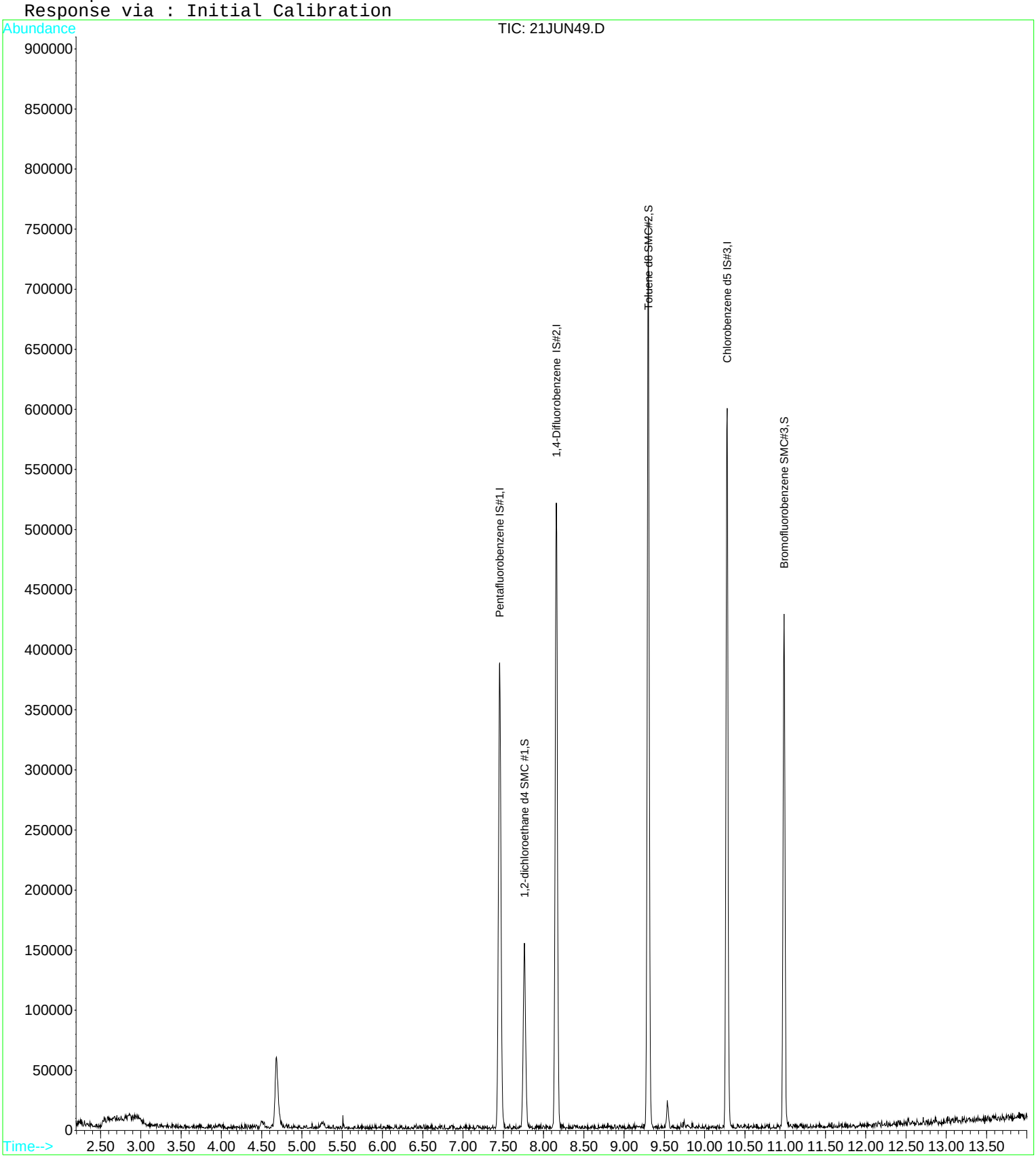
Target Compounds Qvalue

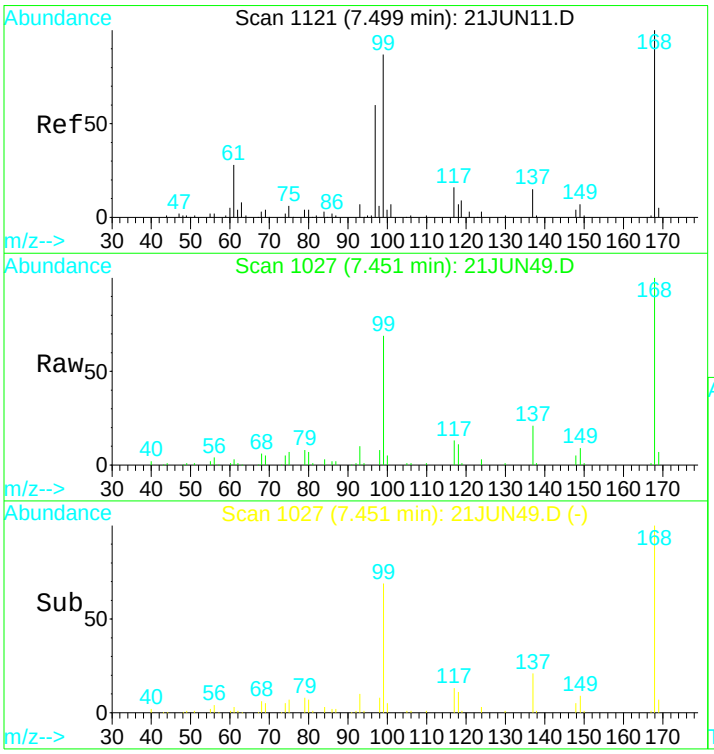
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : D:\DATA\JUN2023C\JUN21\21JUN49.D Vial: 49
Acq On : 22 Jun 2023 1:07 am Operator: MGC
Sample : 2311827-05 Inst : MS-V5
Misc : 1 Unspiked;25ML;pH<2 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jun 22 11:30 2023 Quant Results File: 82605C.RES

Method : C:\HPCHEM\1\METHODS\C\202306\21-0902\82605C.M (RTE Integrator)
Title : EPA Method 8260C/D
Last Update : Thu Jun 22 11:15:56 2023
Response via : Initial Calibration

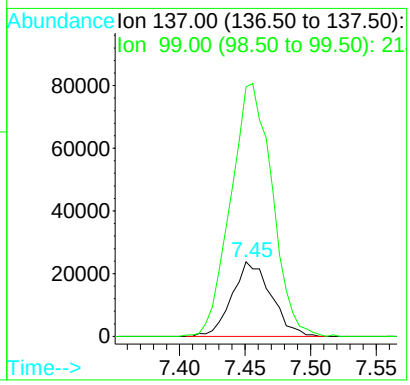


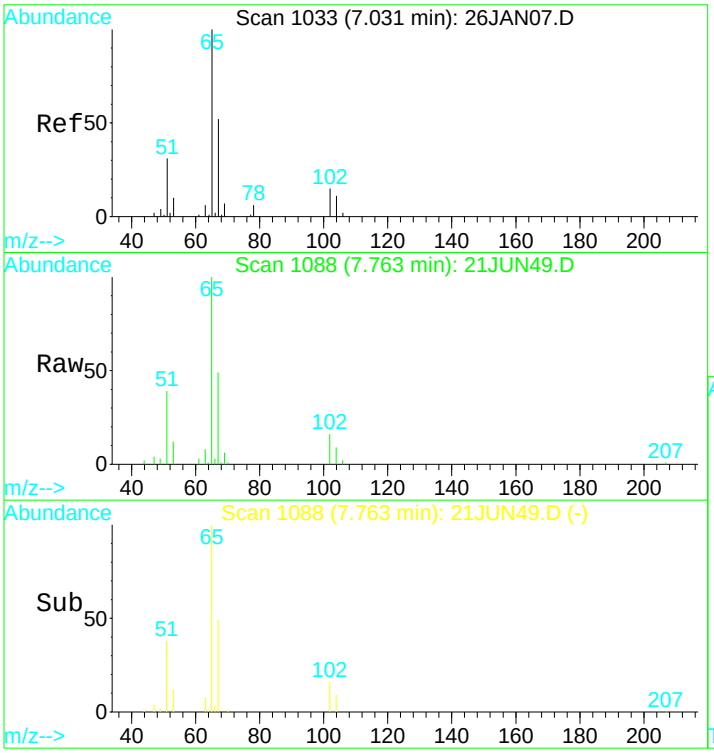


#1
Pentafluorobenzene IS#1
Concen: 10.00 ug/L
RT: 7.45 min Scan# 1027
Delta R.T. -0.01 min
Lab File: 21JUN49.D
Acq: 22 Jun 2023 1:07 am

Tgt Ion:137 Resp: 49243

Ion	Ratio	Lower	Upper
137	100		
99	359.7	1554.0	2886.0#

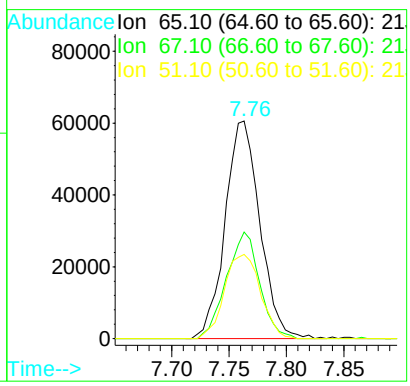


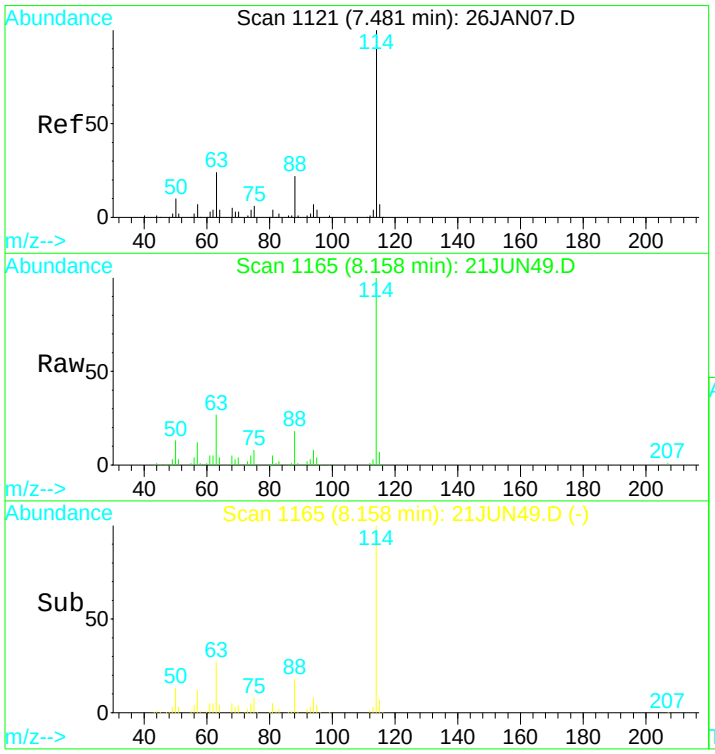


#23
1,2-dichloroethane d4 SMC #1
Concen: N.D. ug/L
RT: 7.76 min Scan# 1088
Delta R.T. -0.00 min
Lab File: 21JUN49.D
Acq: 22 Jun 2023 1:07 am

Tgt Ion: 65 Resp: 127764

Ion	Ratio	Lower	Upper
65	100		
67	46.5	33.0	61.2
51	40.3	440.4	817.8#

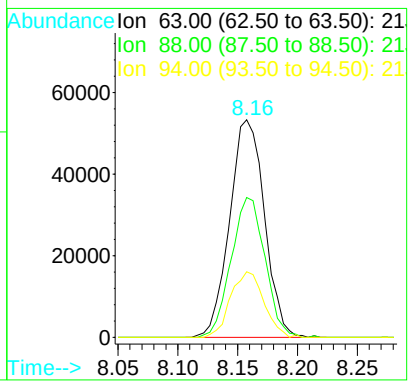


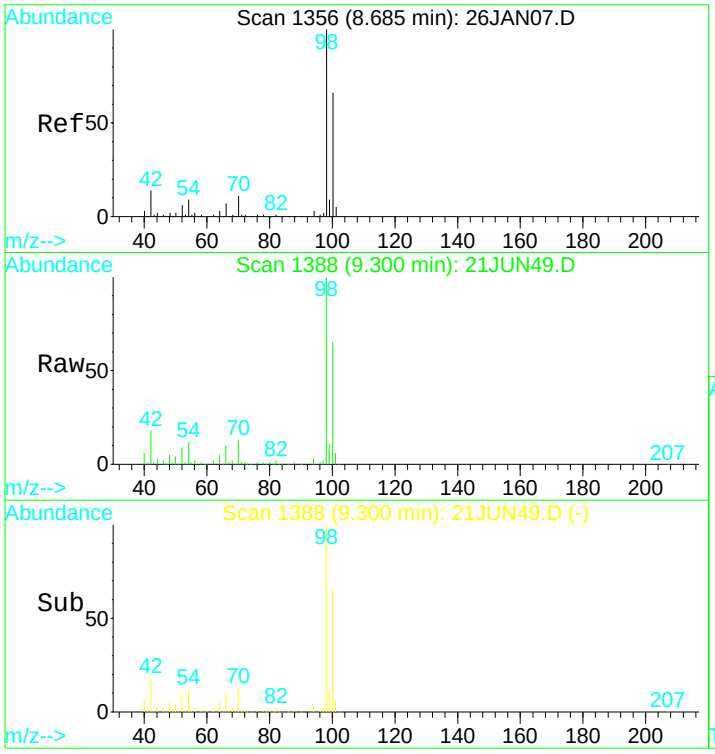


#26
1,4-Difluorobenzene IS#2
Concen: 10.00 ug/L
RT: 8.16 min Scan# 1165
Delta R.T. -0.00 min
Lab File: 21JUN49.D
Acq: 22 Jun 2023 1:07 am

Tgt Ion: 63 Resp: 108185

Ion	Ratio	Lower	Upper
63	100		
88	62.2	43.6	81.0
94	28.8	20.2	37.4

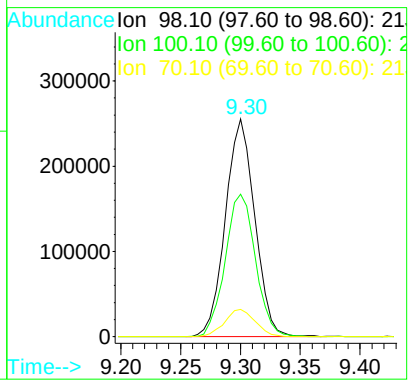


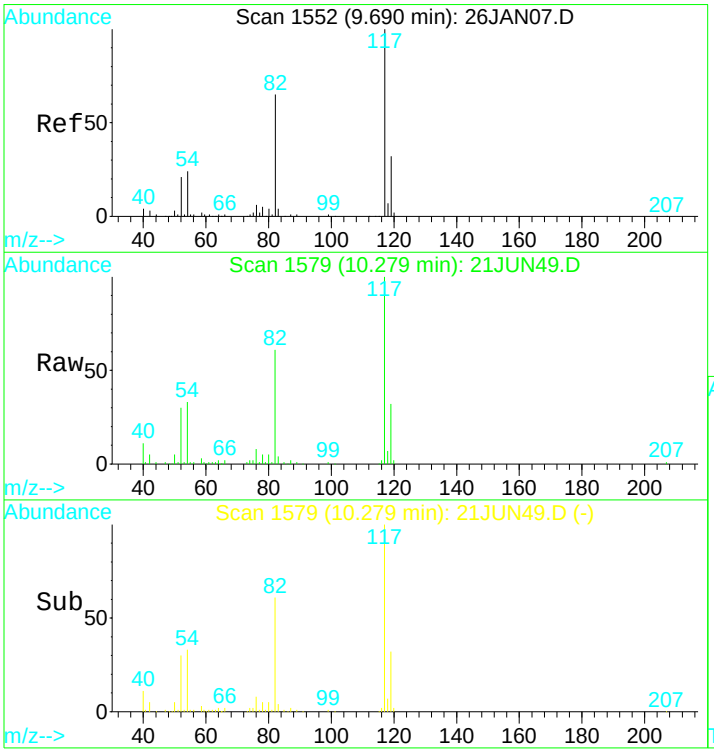


#33
Toluene d8 SMC#2
Concen: N.D. ug/L
RT: 9.30 min Scan# 1388
Delta R.T. 0.00 min
Lab File: 21JUN49.D
Acq: 22 Jun 2023 1:07 am

Tgt Ion: 98 Resp: 437373

Ion	Ratio	Lower	Upper
98	100		
100	67.4	46.8	87.0
70	13.0	9.0	16.6

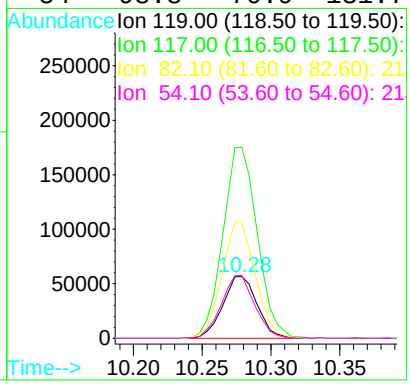


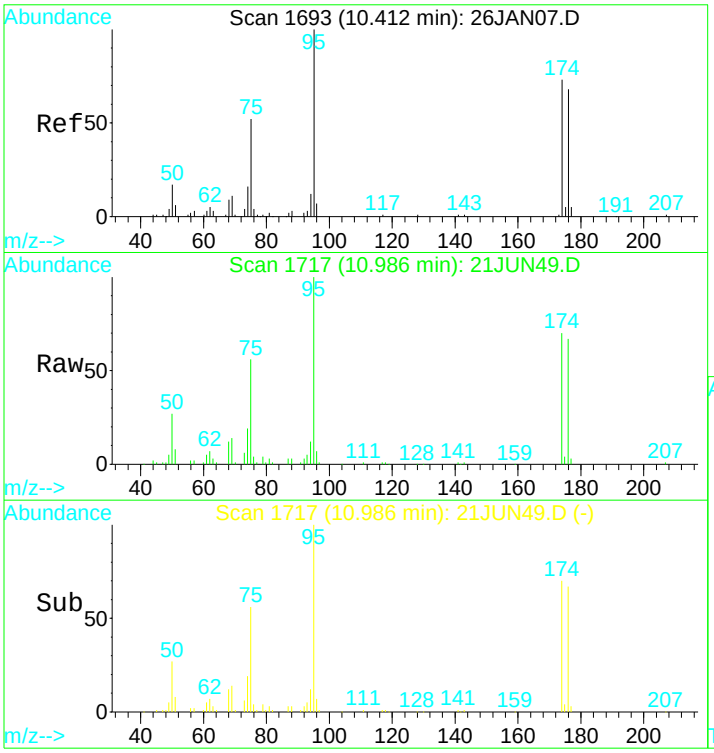


#41
Chlorobenzene d5 IS#3
Concen: 10.00 ug/L
RT: 10.28 min Scan# 1579
Delta R.T. -0.00 min
Lab File: 21JUN49.D
Acq: 22 Jun 2023 1:07 am

Tgt Ion:119 Resp: 97903

Ion	Ratio	Lower	Upper
119	100		
117	310.8	216.7	402.4
82	183.8	131.1	243.5
54	98.8	70.9	131.7

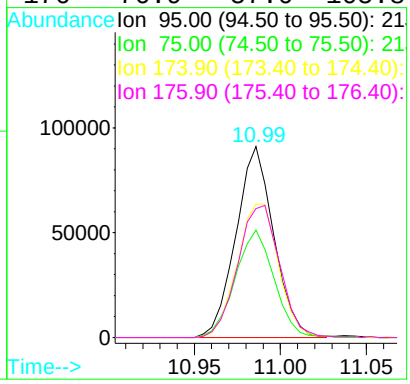




#51
Bromofluorobenzene SMC#3
Concen: N.D. ug/L
RT: 10.99 min Scan# 1717
Delta R.T. -0.00 min
Lab File: 21JUN49.D
Acq: 22 Jun 2023 1:07 am

Tgt Ion: 95 Resp: 139072

Ion	Ratio	Lower	Upper
95	100		
75	57.6	40.3	74.9
174	76.7	58.4	108.6
176	76.9	57.0	105.8



Quantitation Report (QT Reviewed)

Data File : D:\DATA\JUN2023C\JUN21\21JUN49.D Vial: 49
Acq On : 22 Jun 2023 1:07 am Operator: MGC
Sample : 2311827-05 Inst : MS-V5
Misc : 1 Unspiked;25ML;pH<2 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jun 22 11:46 2023 Quant Results File: 82605CX.RES

Quant Method : C:\HPCHEM\1...\82605CX.M (RTE Integrator)
Title : EPA Method 8260C/DX
Last Update : Thu Jun 22 04:57:10 2023
Response via : Initial Calibration
DataAcq Meth : 82605

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene IS#1	7.45	137	49243	10.00	ug/L	0.00
29) 1,4-Difluorobenzene IS#2	8.16	63	108185	10.00	ug/L	0.00
36) Chlorobenzene d5 IS#3	10.28	119	97903	10.00	ug/L	0.00

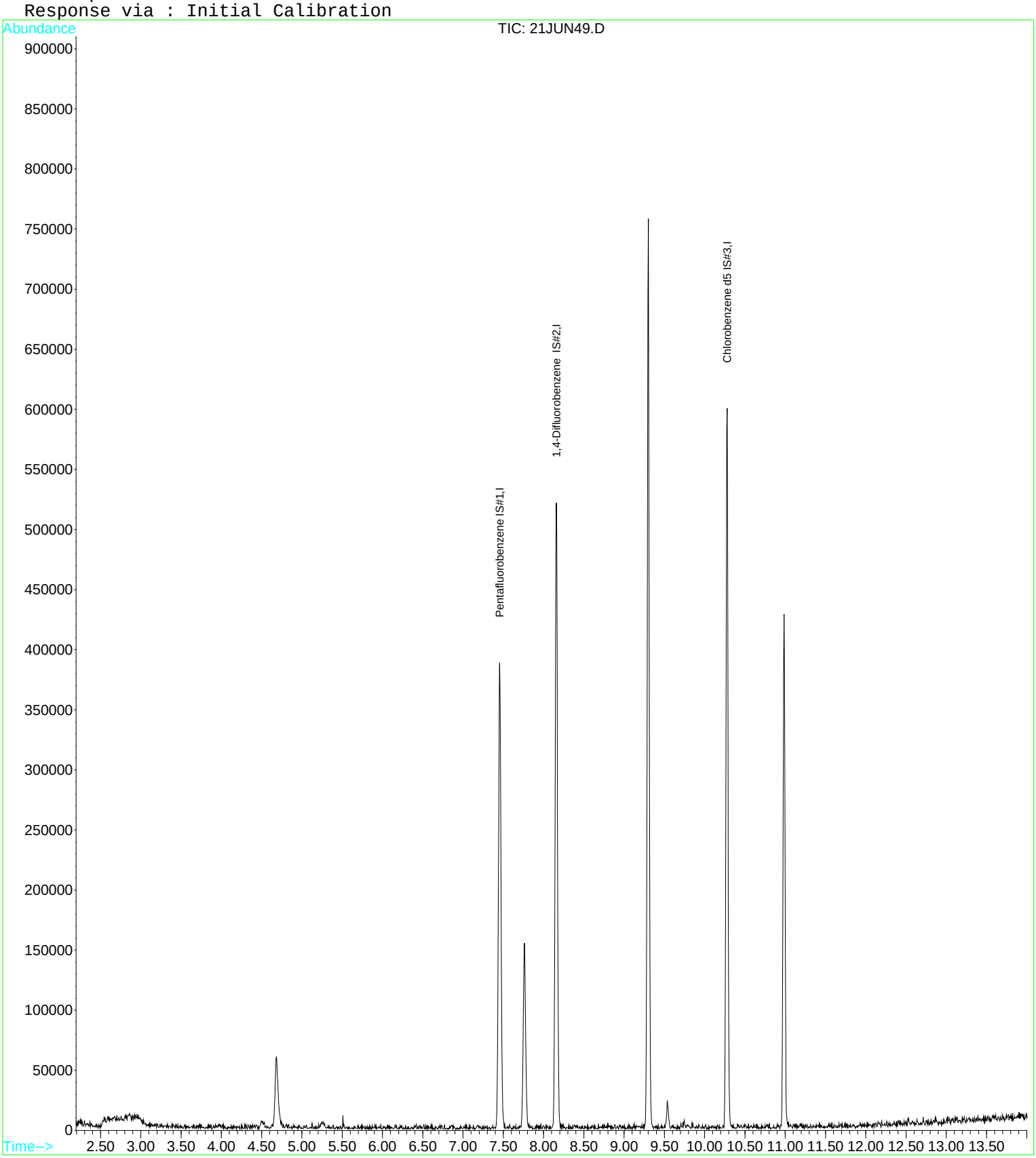
Target Compounds Qvalue

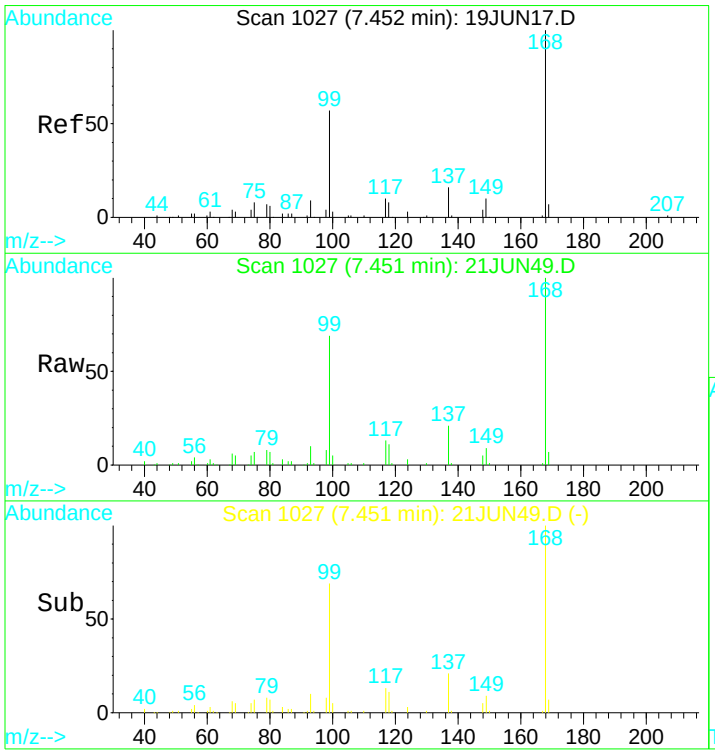
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : D:\DATA\JUN2023C\JUN21\21JUN49.D Vial: 49
Acq On : 22 Jun 2023 1:07 am Operator: MGC
Sample : 2311827-05 Inst : MS-V5
Misc : 1 Unspiked;25ML;pH<2 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jun 22 11:46 2023 Quant Results File: 82605CX.RES

Method : C:\HPCHEM\1\METHODS\C\202306\19-1901\82605CX.M (RTE Integrator)
Title : EPA Method 8260C/DX
Last Update : Thu Jun 22 04:57:10 2023
Response via : Initial Calibration

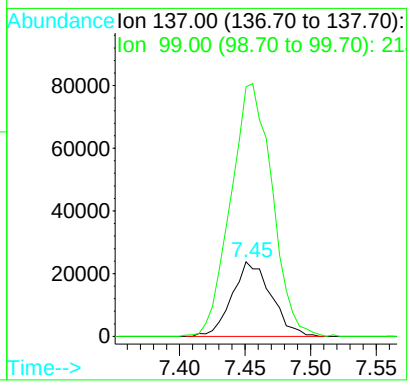


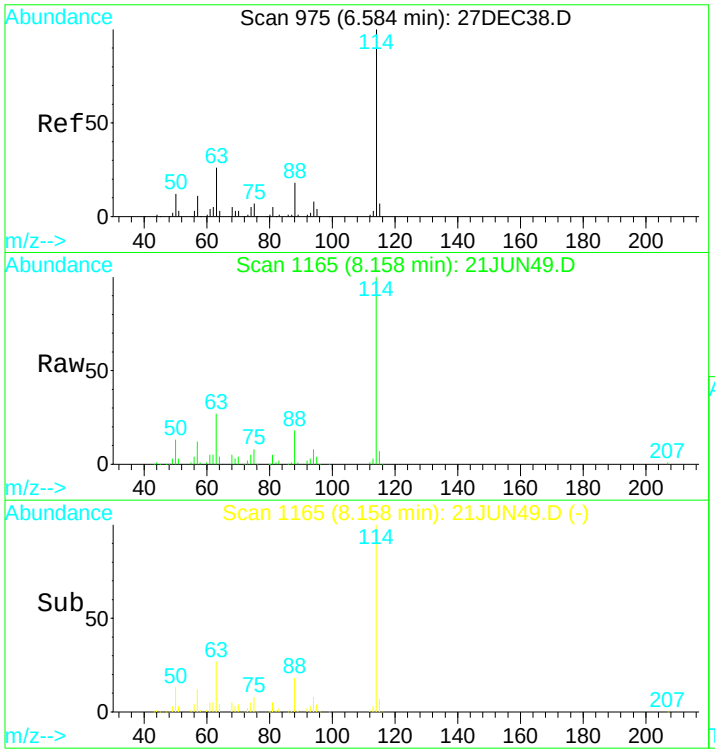


#1
Pentafluorobenzene IS#1
Concen: 10.00 ug/L
RT: 7.45 min Scan# 1027
Delta R.T. -0.00 min
Lab File: 21JUN49.D
Acq: 22 Jun 2023 1:07 am

Tgt Ion:137 Resp: 49243

Ion	Ratio	Lower	Upper
137	100		
99	359.7	248.4	461.4

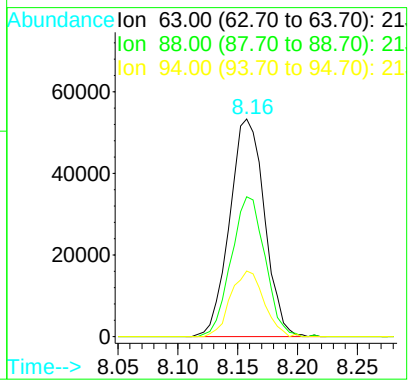


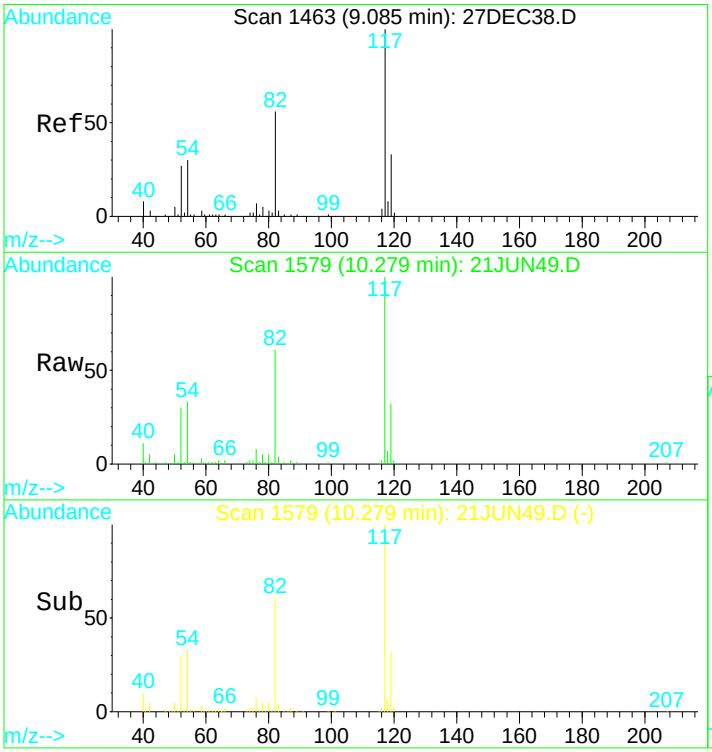


#29
1,4-Difluorobenzene IS#2
Concen: 10.00 ug/L
RT: 8.16 min Scan# 1165
Delta R.T. -0.00 min
Lab File: 21JUN49.D
Acq: 22 Jun 2023 1:07 am

Tgt Ion: 63 Resp: 108185

Ion	Ratio	Lower	Upper
63	100		
88	62.2	45.1	83.7
94	28.8	19.5	36.1

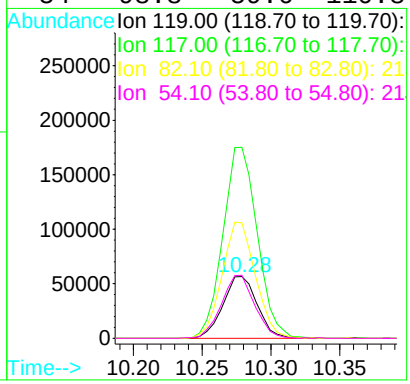




#36
Chlorobenzene d5 IS#3
Concen: 10.00 ug/L
RT: 10.28 min Scan# 1579
Delta R.T. -0.00 min
Lab File: 21JUN49.D
Acq: 22 Jun 2023 1:07 am

Tgt Ion:119 Resp: 97903

Ion	Ratio	Lower	Upper
119	100		
117	310.8	220.4	409.2
82	183.8	126.8	235.6
54	98.8	59.6	110.8



Quantitation Report (QT Reviewed)

Data File : D:\DATA\JUN2023C\JUN21\21JUN54.D Vial: 54
Acq On : 22 Jun 2023 3:08 am Operator: MGC
Sample : 2311827-06 Inst : MS-V5
Misc : 1 ;25ML;pH<2 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jun 22 11:33 2023 Quant Results File: 82605C.RES

Quant Method : C:\HPCHEM\1...\82605C.M (RTE Integrator)
Title : EPA Method 8260C/D
Last Update : Thu Jun 22 11:15:56 2023
Response via : Initial Calibration
DataAcq Meth : 82605

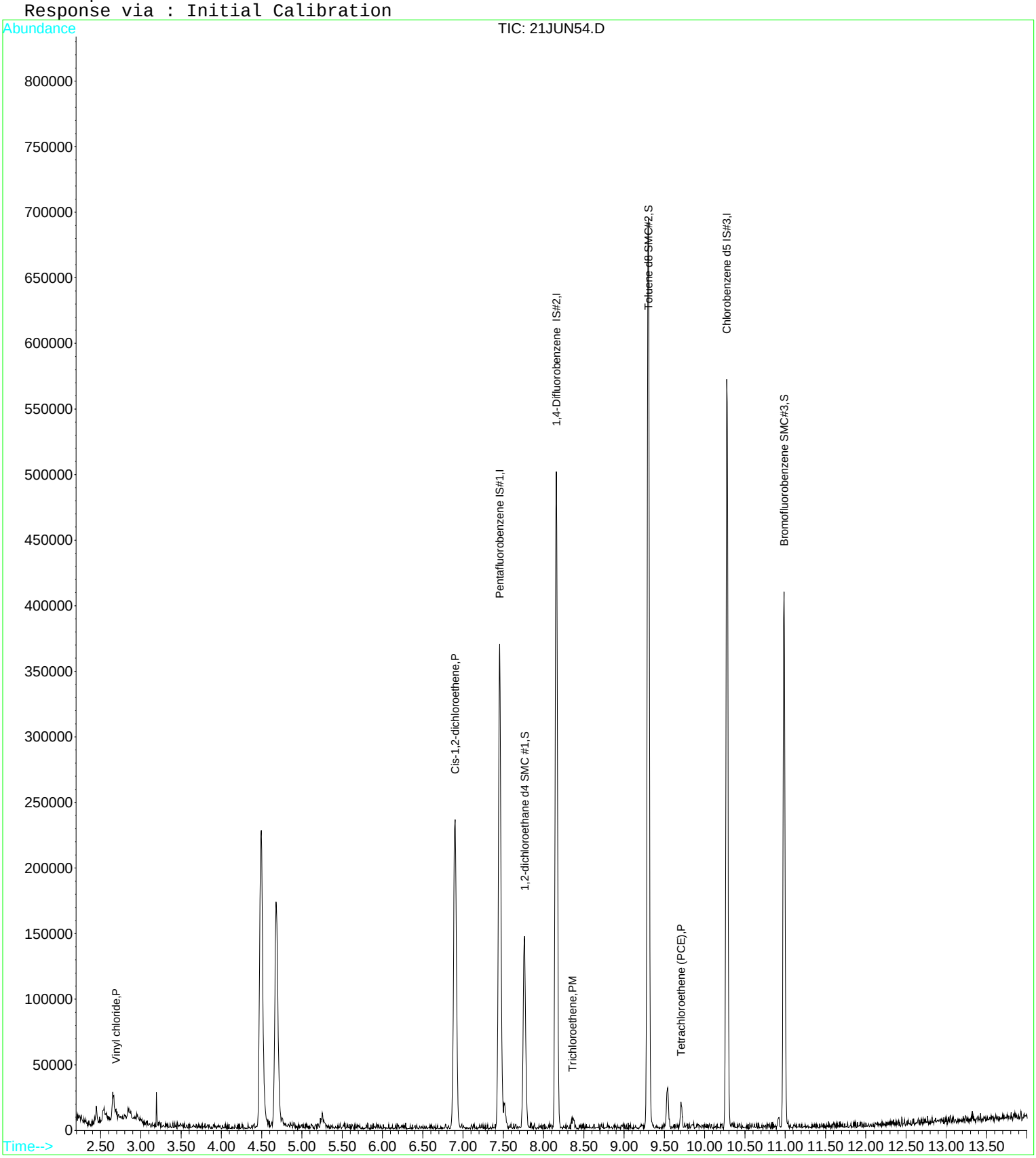
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene IS#1	7.45	137	46114	10.00	ug/L	0.00
26) 1,4-Difluorobenzene IS#2	8.16	63	102458	10.00	ug/L	0.00
41) Chlorobenzene d5 IS#3	10.28	119	92275	10.00	ug/L	0.00
System Monitoring Compounds						
23) 1,2-dichloroethane d4 SMC	7.76	65	128198	10.68	ug/L	0.00
Spiked Amount 10.000	Range 75 - 125		Recovery = 106.80%			
33) Toluene d8 SMC#2	9.30	98	425001	9.93	ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 99.30%			
51) Bromofluorobenzene SMC#3	10.99	95	130560	9.69	ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 96.90%			
Target Compounds						Qvalue
5) Vinyl chloride	2.69	62	2915	0.21	ug/L	# 1
17) Cis-1,2-dichloroethene	6.90	96	116949	8.55	ug/L	89
27) Trichloroethene	8.36	130	2466	0.17	ug/L	# 77
37) Tetrachloroethene (PCE)	9.71	166	4182	0.30	ug/L	84

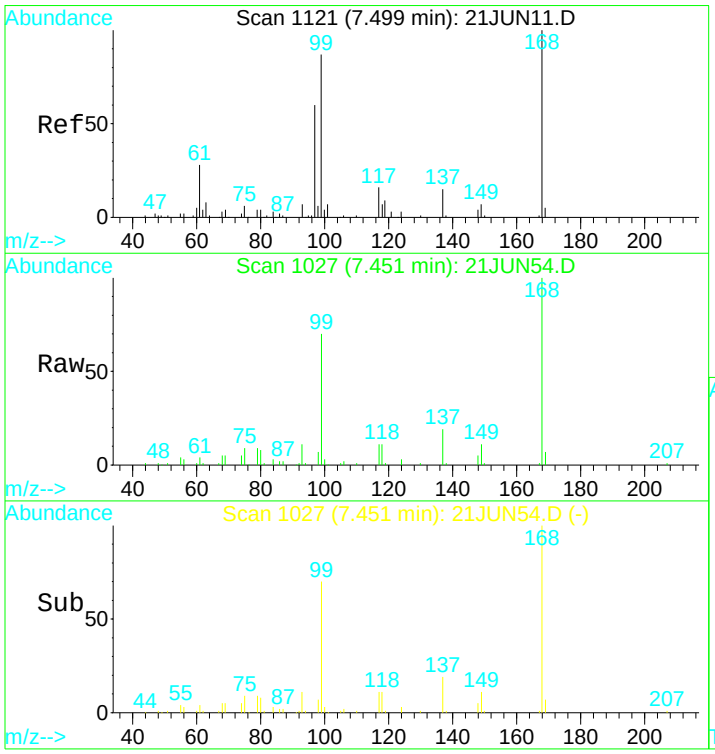
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : D:\DATA\JUN2023C\JUN21\21JUN54.D Vial: 54
Acq On : 22 Jun 2023 3:08 am Operator: MGC
Sample : 2311827-06 Inst : MS-V5
Misc : 1 ;25ML;pH<2 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jun 22 11:33 2023 Quant Results File: 82605C.RES

Method : C:\HPCHEM\1\METHODS\C\202306\21-0902\82605C.M (RTE Integrator)
Title : EPA Method 8260C/D
Last Update : Thu Jun 22 11:15:56 2023
Response via : Initial Calibration

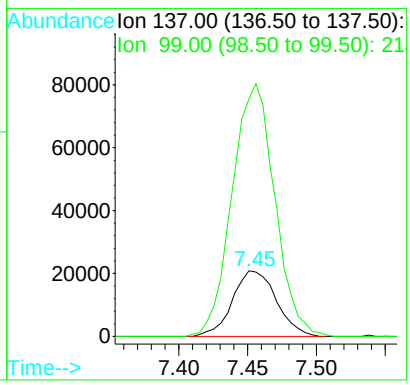


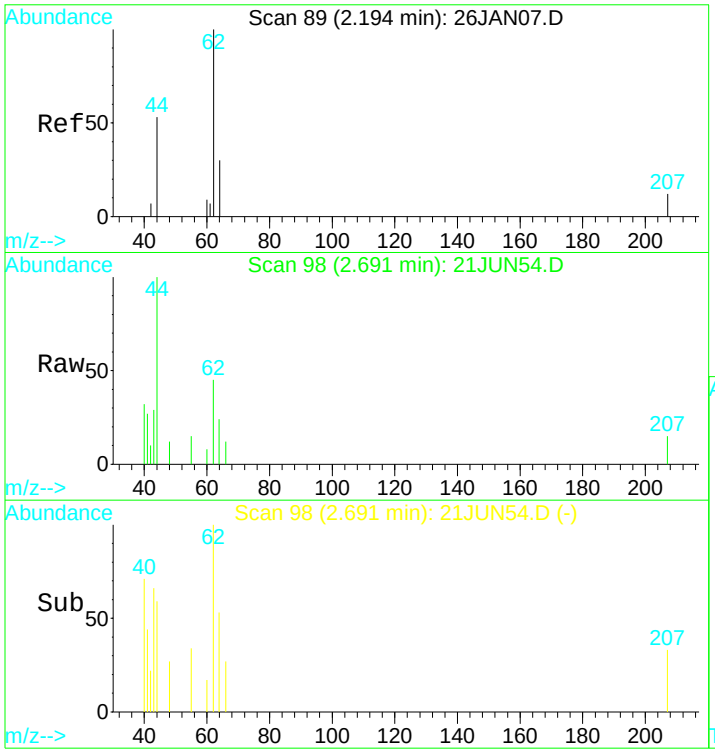


#1
Pentafluorobenzene IS#1
Concen: 10.00 ug/L
RT: 7.45 min Scan# 1027
Delta R.T. -0.01 min
Lab File: 21JUN54.D
Acq: 22 Jun 2023 3:08 am

Tgt Ion:137 Resp: 46114

Ion	Ratio	Lower	Upper
137	100		
99	376.3	1554.0	2886.0#

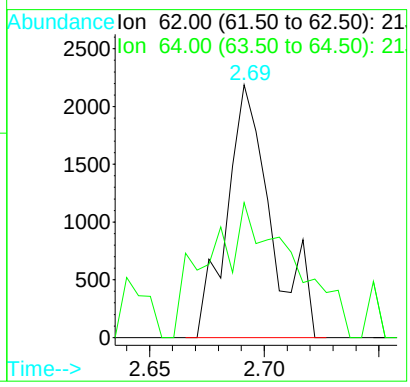


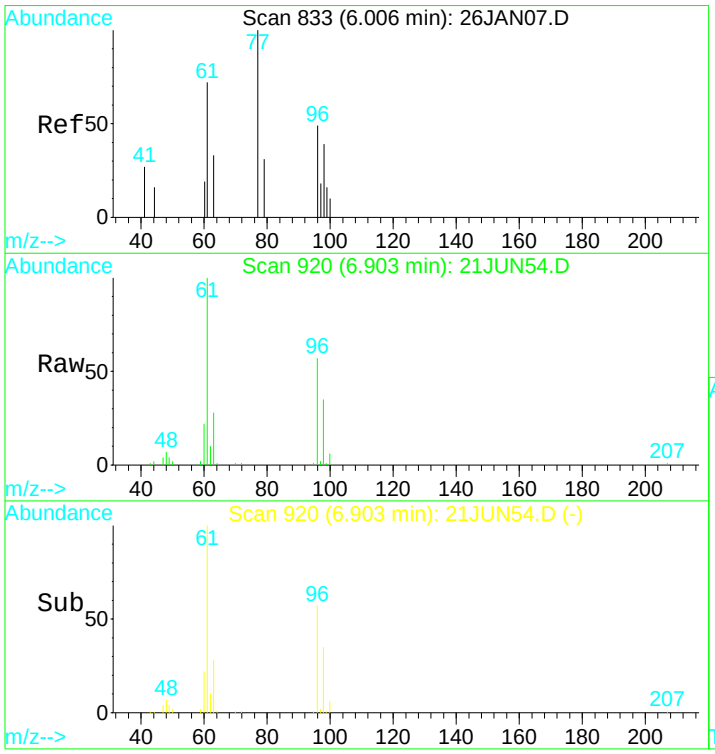


#5
Vinyl chloride
Concen: 0.21 ug/L
RT: 2.69 min Scan# 98
Delta R.T. -0.01 min
Lab File: 21JUN54.D
Acq: 22 Jun 2023 3:08 am

Tgt Ion: 62 Resp: 2915

Ion	Ratio	Lower	Upper
62	100		
64	97.6	21.9	40.7#

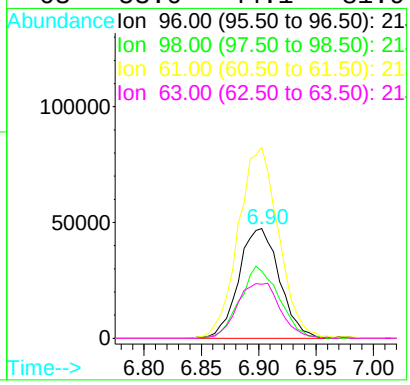


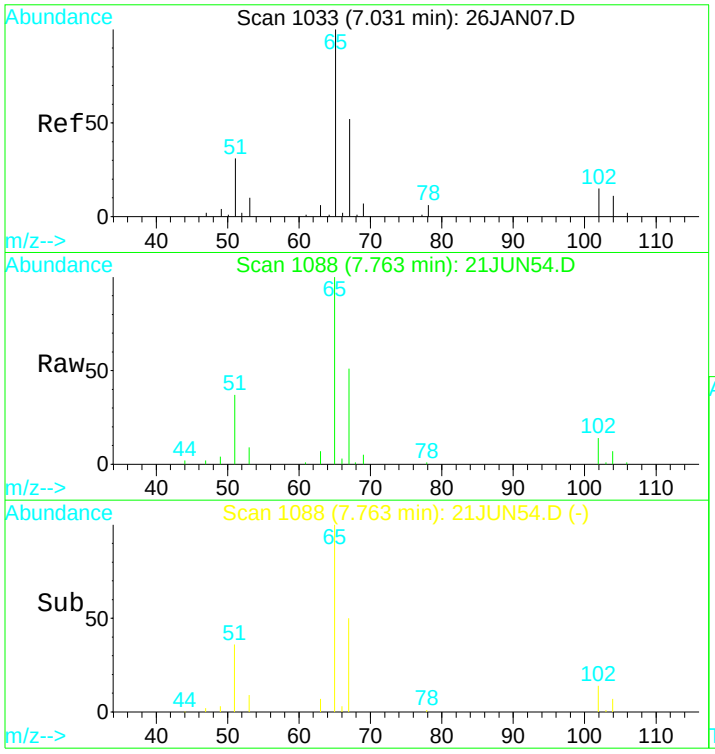


#17
Cis-1,2-dichloroethene
Concen: 8.55 ug/L
RT: 6.90 min Scan# 920
Delta R.T. -0.00 min
Lab File: 21JUN54.D
Acq: 22 Jun 2023 3:08 am

Tgt Ion: 96 Resp: 116949

Ion	Ratio	Lower	Upper
96	100		
98	63.0	45.4	84.2
61	172.8	134.1	249.1
63	53.0	44.1	81.9

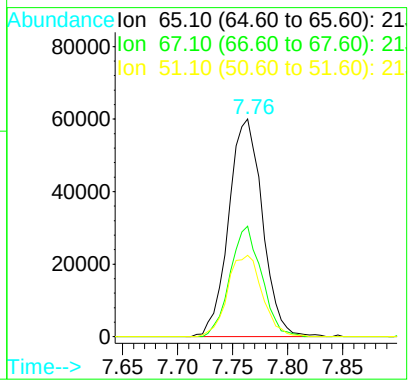


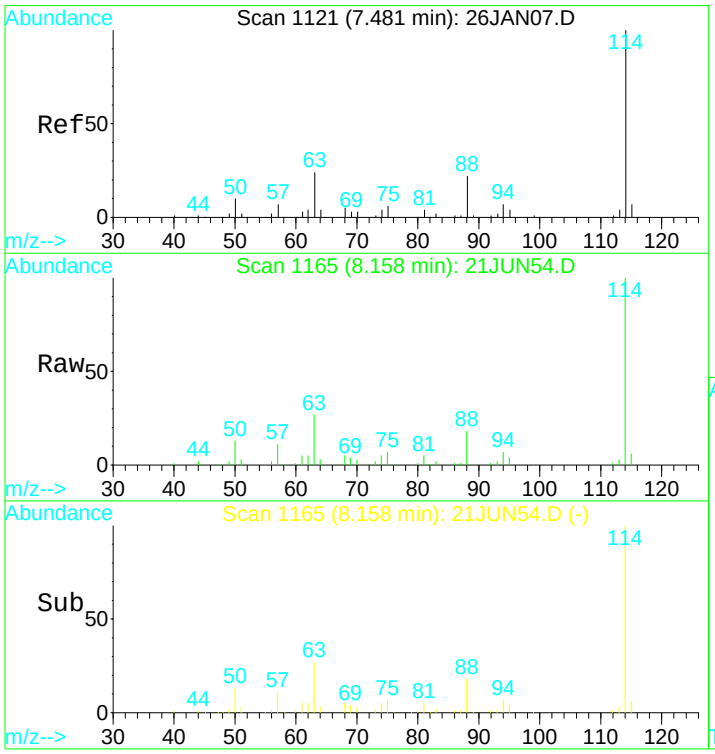


#23
1,2-dichloroethane d4 SMC #1
Concen: N.D. ug/L
RT: 7.76 min Scan# 1088
Delta R.T. -0.00 min
Lab File: 21JUN54.D
Acq: 22 Jun 2023 3:08 am

Tgt Ion: 65 Resp: 128198

Ion	Ratio	Lower	Upper
65	100		
67	47.2	33.0	61.2
51	38.3	440.4	817.8#

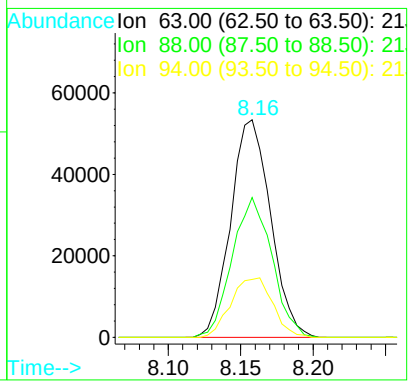


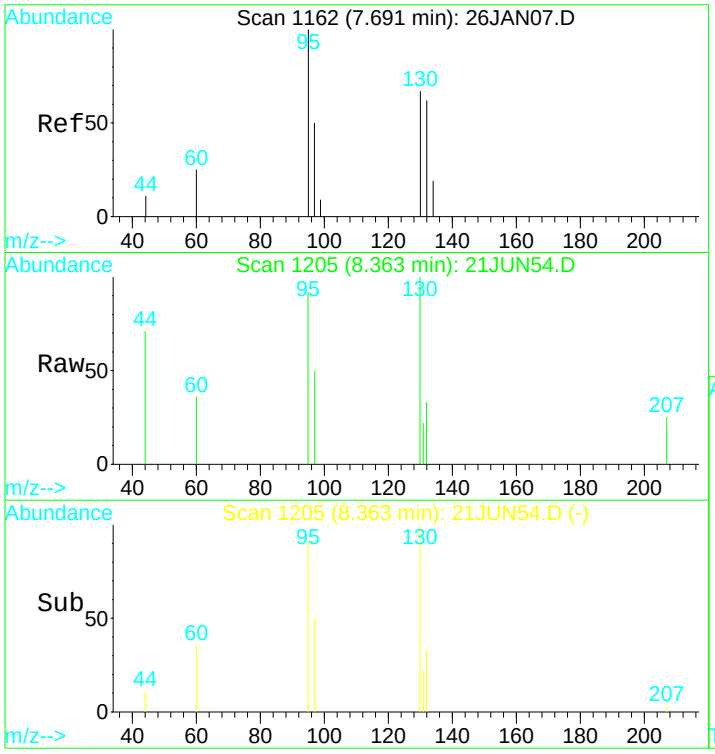


#26
1,4-Difluorobenzene IS#2
Concen: 10.00 ug/L
RT: 8.16 min Scan# 1165
Delta R.T. -0.00 min
Lab File: 21JUN54.D
Acq: 22 Jun 2023 3:08 am

Tgt Ion: 63 Resp: 102458

Ion	Ratio	Lower	Upper
63	100		
88	64.0	43.6	81.0
94	28.7	20.2	37.4

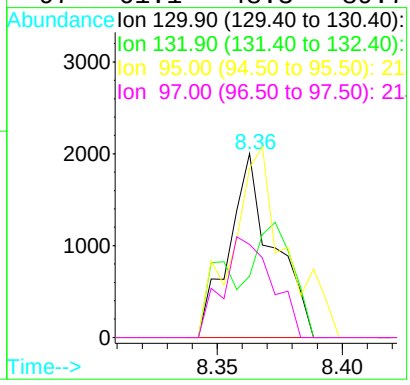


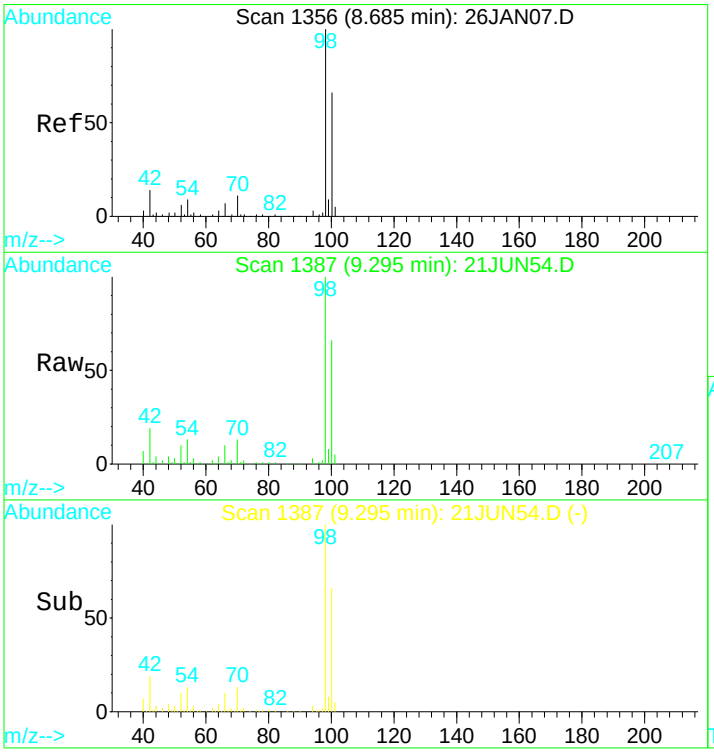


#27
Trichloroethene
Concen: 0.17 ug/L
RT: 8.36 min Scan# 1205
Delta R.T. -0.01 min
Lab File: 21JUN54.D
Acq: 22 Jun 2023 3:08 am

Tgt Ion:130 Resp: 2466

Ion	Ratio	Lower	Upper
130	100		
132	56.4	67.1	124.7#
95	123.5	74.7	138.7
97	61.1	48.3	89.7

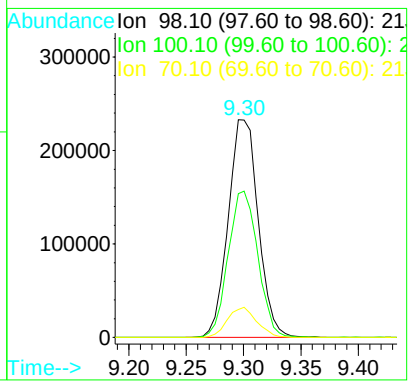


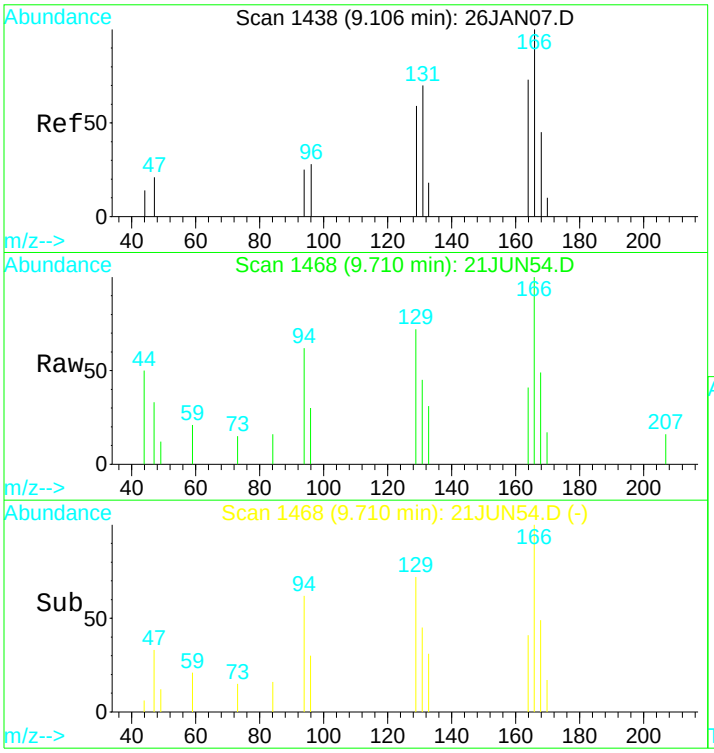


#33
Toluene d8 SMC#2
Concen: N.D. ug/L
RT: 9.30 min Scan# 1387
Delta R.T. 0.00 min
Lab File: 21JUN54.D
Acq: 22 Jun 2023 3:08 am

Tgt Ion: 98 Resp: 425001

Ion	Ratio	Lower	Upper
98	100		
100	66.3	46.8	87.0
70	13.5	9.0	16.6

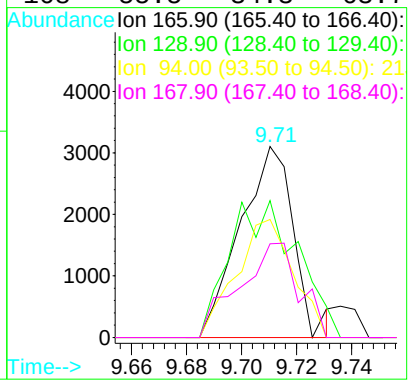


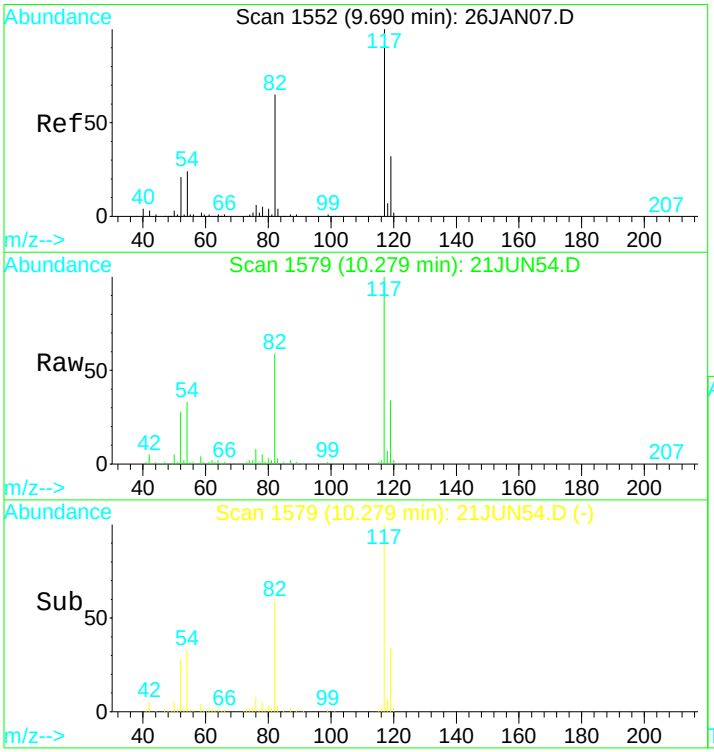


#37
Tetrachloroethene (PCE)
Concen: 0.30 ug/L
RT: 9.71 min Scan# 1468
Delta R.T. -0.00 min
Lab File: 21JUN54.D
Acq: 22 Jun 2023 3:08 am

Tgt Ion:166 Resp: 4182

Ion	Ratio	Lower	Upper
166	100		
129	91.0	51.4	95.4
94	66.2	39.2	72.8
168	55.5	34.3	63.7

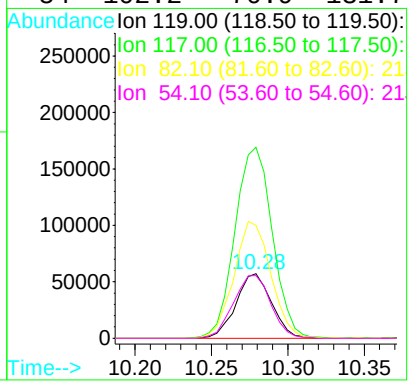


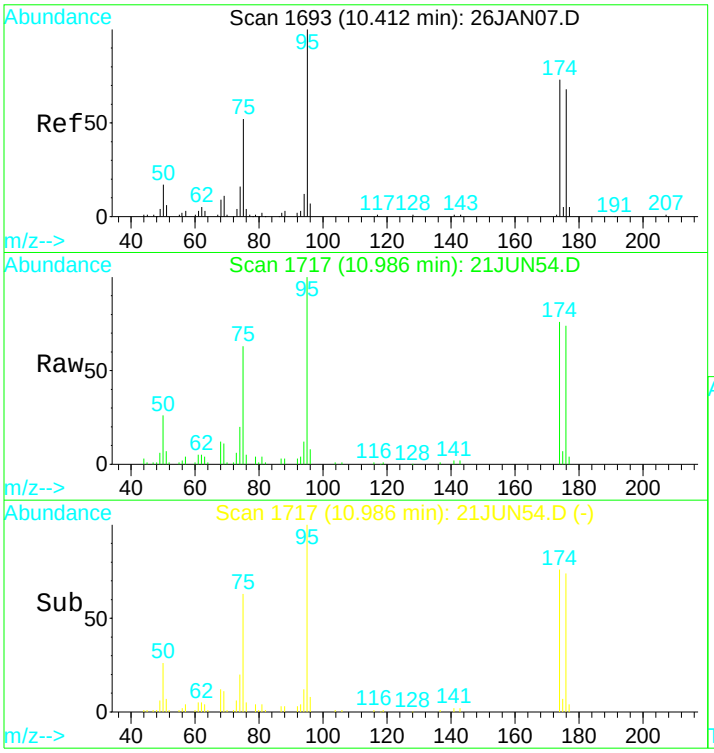


#41
Chlorobenzene d5 IS#3
Concen: 10.00 ug/L
RT: 10.28 min Scan# 1579
Delta R.T. -0.00 min
Lab File: 21JUN54.D
Acq: 22 Jun 2023 3:08 am

Tgt Ion:119 Resp: 92275

Ion	Ratio	Lower	Upper
119	100		
117	311.8	216.7	402.4
82	188.1	131.1	243.5
54	102.2	70.9	131.7

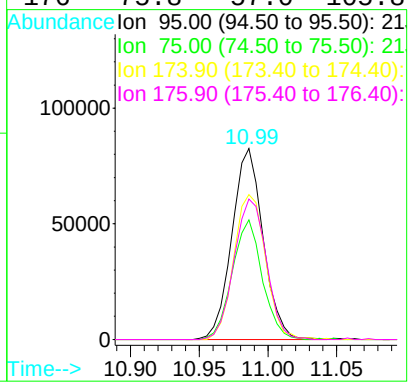




#51
Bromofluorobenzene SMC#3
Concen: N.D. ug/L
RT: 10.99 min Scan# 1717
Delta R.T. -0.00 min
Lab File: 21JUN54.D
Acq: 22 Jun 2023 3:08 am

Tgt Ion: 95 Resp: 130560

Ion	Ratio	Lower	Upper
95	100		
75	60.3	40.3	74.9
174	77.3	58.4	108.6
176	75.8	57.0	105.8



Quantitation Report (QT Reviewed)

Data File : D:\DATA\JUN2023C\JUN21\21JUN54.D Vial: 54
Acq On : 22 Jun 2023 3:08 am Operator: MGC
Sample : 2311827-06 Inst : MS-V5
Misc : 1 ;25ML;pH<2 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jun 22 11:48 2023 Quant Results File: 82605CX.RES

Quant Method : C:\HPCHEM\1...\82605CX.M (RTE Integrator)
Title : EPA Method 8260C/DX
Last Update : Thu Jun 22 04:57:10 2023
Response via : Initial Calibration
DataAcq Meth : 82605

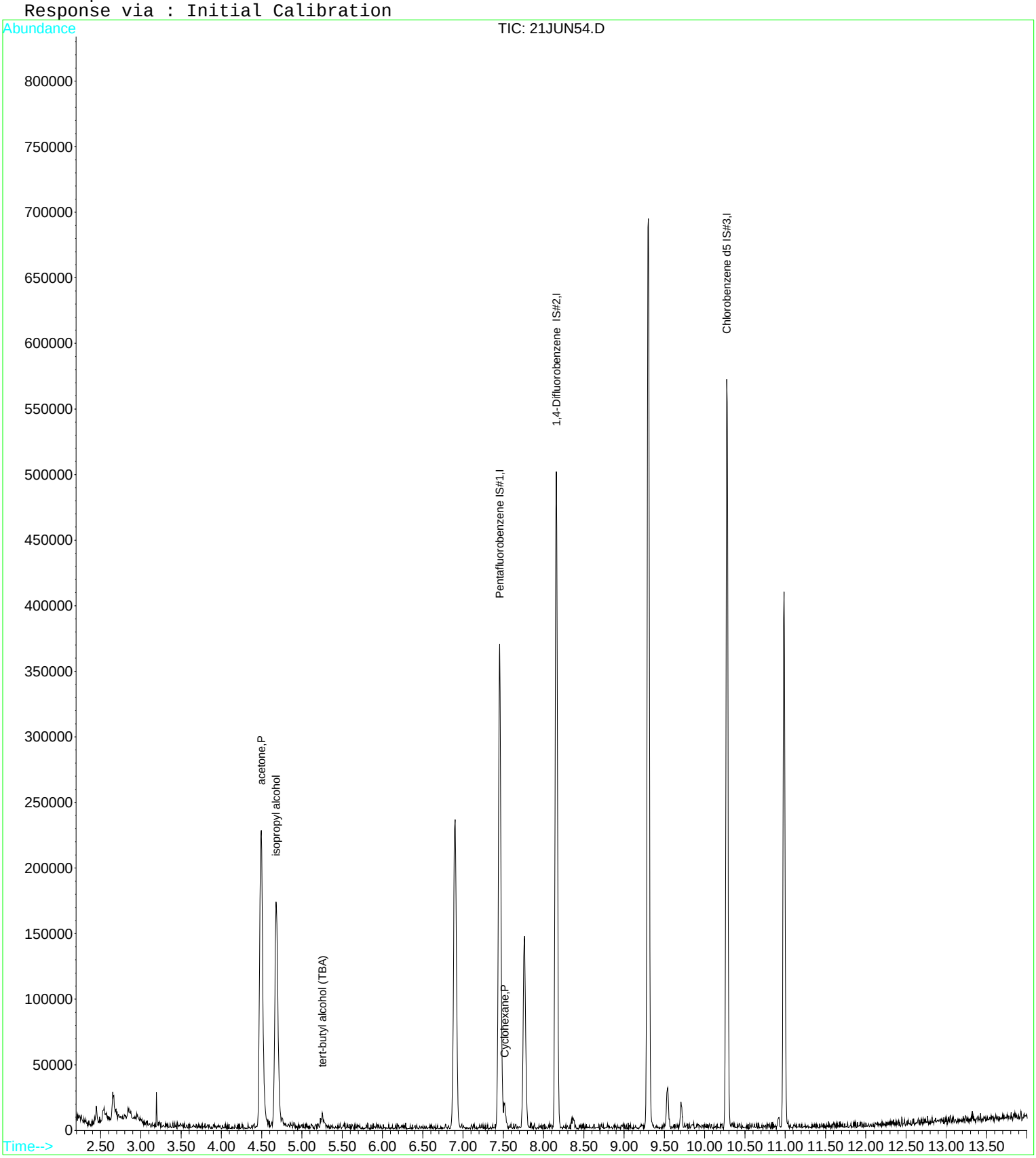
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene IS#1	7.45	137	46114	10.00	ug/L	0.00
29) 1,4-Difluorobenzene IS#2	8.16	63	102458	10.00	ug/L	0.00
36) Chlorobenzene d5 IS#3	10.28	119	92275	10.00	ug/L	0.00
Target Compounds						Qvalue
6) isopropyl alcohol	4.68	45	317522	1304.98	ug/L	# 2
8) acetone	4.49	43	442770	335.30	ug/L	93
9) tert-butyl alcohol (TBA)	5.25	59	14154	35.27	ug/L	100
27) Cyclohexane	7.52	56	9854	0.35	ug/L	92

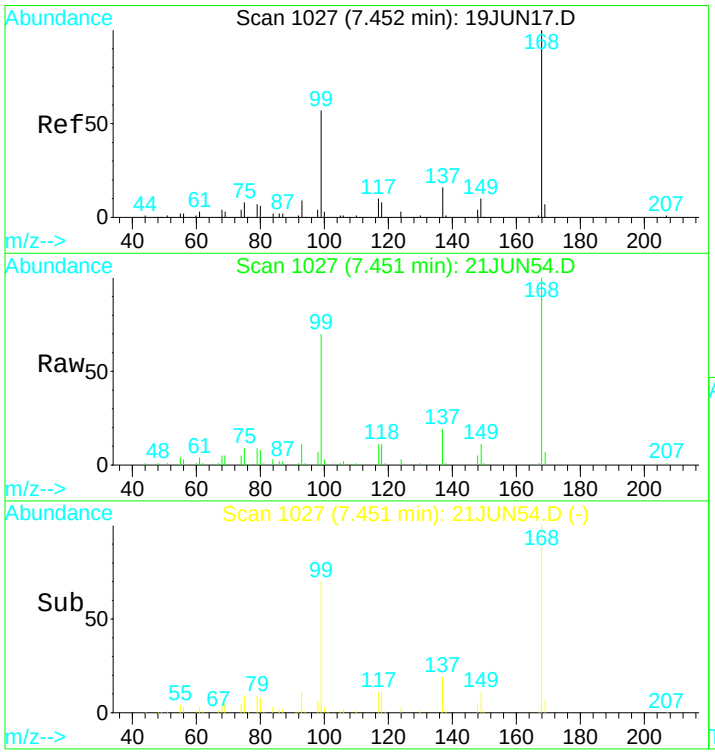
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : D:\DATA\JUN2023C\JUN21\21JUN54.D Vial: 54
Acq On : 22 Jun 2023 3:08 am Operator: MGC
Sample : 2311827-06 Inst : MS-V5
Misc : 1 ;25ML;pH<2 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jun 22 11:48 2023 Quant Results File: 82605CX.RES

Method : C:\HPCHEM\1\METHODS\C\202306\19-1901\82605CX.M (RTE Integrator)
Title : EPA Method 8260C/DX
Last Update : Thu Jun 22 04:57:10 2023
Response via : Initial Calibration

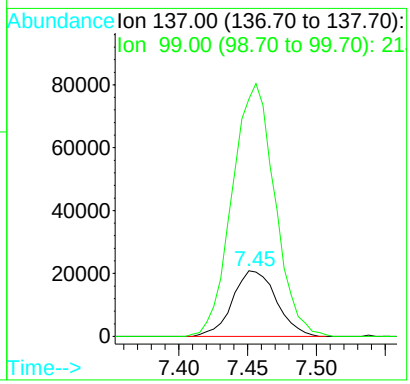


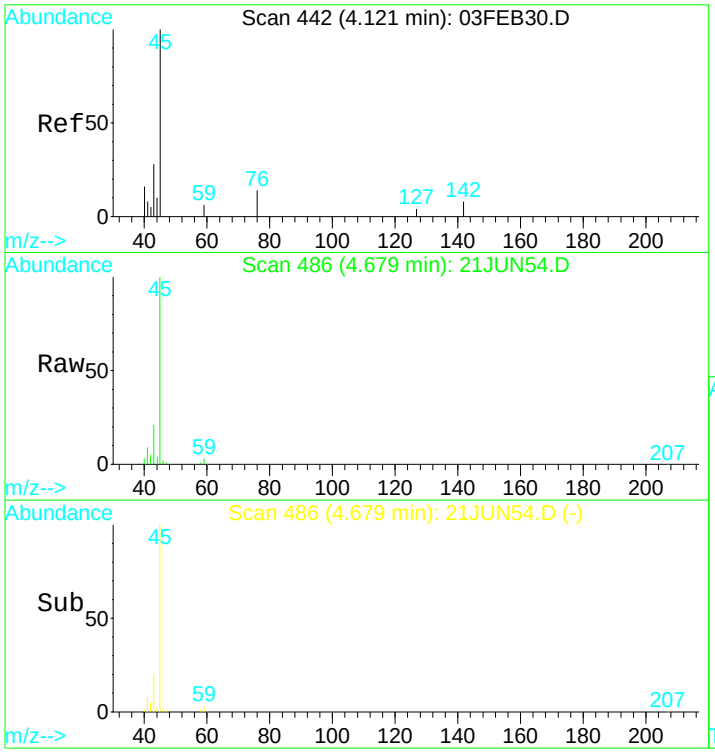


#1
Pentafluorobenzene IS#1
Concen: 10.00 ug/L
RT: 7.45 min Scan# 1027
Delta R.T. -0.00 min
Lab File: 21JUN54.D
Acq: 22 Jun 2023 3:08 am

Tgt Ion:137 Resp: 46114

Ion	Ratio	Lower	Upper
137	100		
99	376.3	248.4	461.4

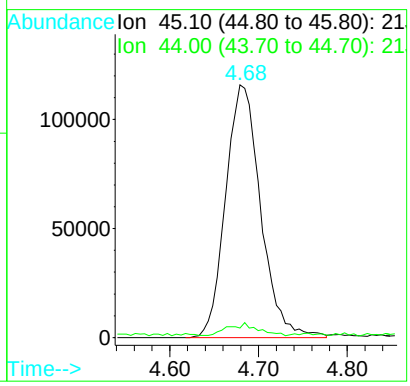


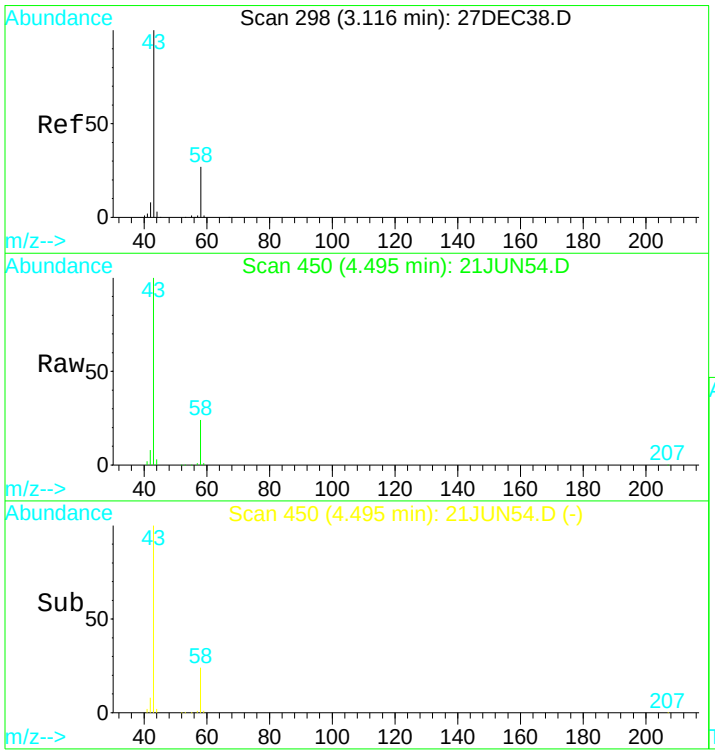


#6
isopropyl alcohol
Concen: 1304.98 ug/L
RT: 4.68 min Scan# 486
Delta R.T. -0.02 min
Lab File: 21JUN54.D
Acq: 22 Jun 2023 3:08 am

Tgt Ion: 45 Resp: 317522

Ion	Ratio	Lower	Upper
45	100		
44	4.2	73.3	136.1#

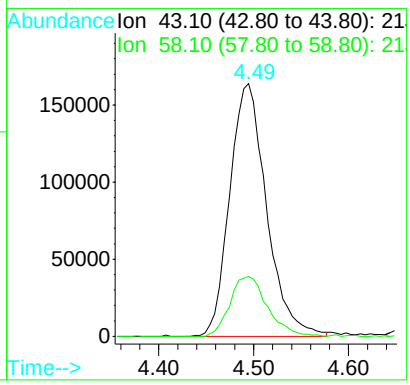


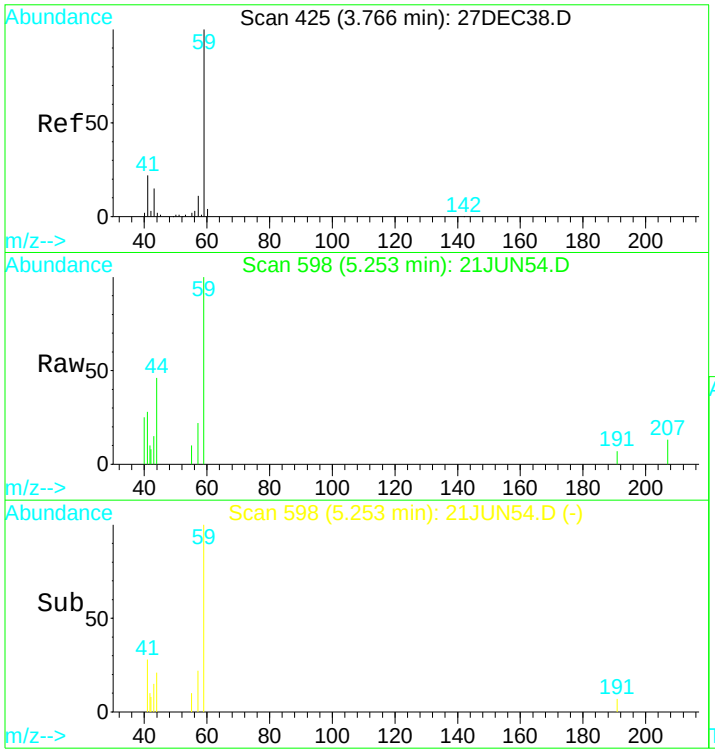


#8
acetone
Concen: 335.30 ug/L
RT: 4.49 min Scan# 450
Delta R.T. -0.00 min
Lab File: 21JUN54.D
Acq: 22 Jun 2023 3:08 am

Tgt Ion: 43 Resp: 442770

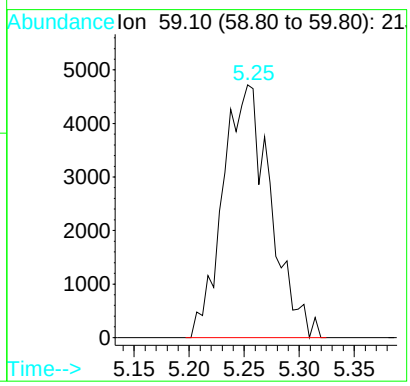
Ion	Ratio	Lower	Upper
43	100		
58	24.0	19.4	36.0

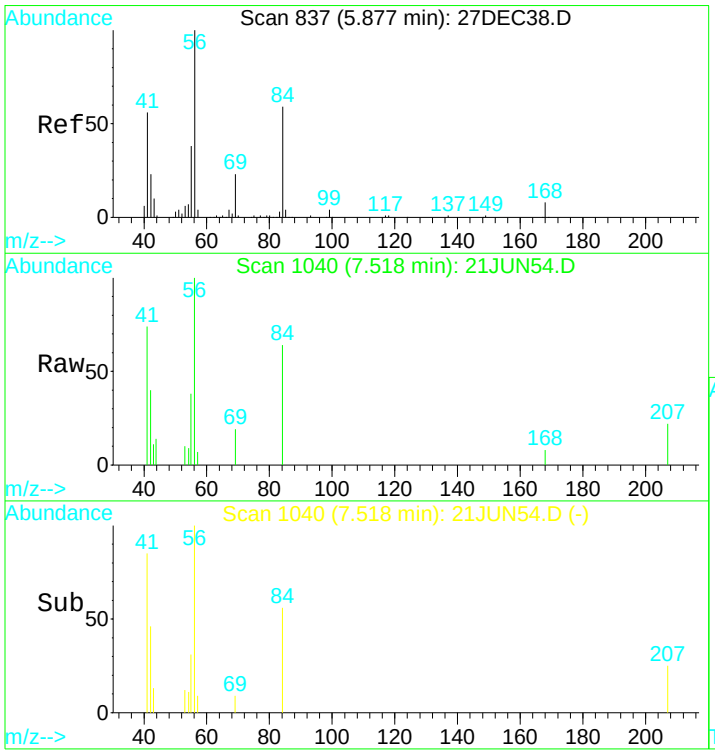




#9
tert-butyl alcohol (TBA)
Concen: 35.27 ug/L
RT: 5.25 min Scan# 598
Delta R.T. -0.01 min
Lab File: 21JUN54.D
Acq: 22 Jun 2023 3:08 am

Tgt Ion: 59 Resp: 14154

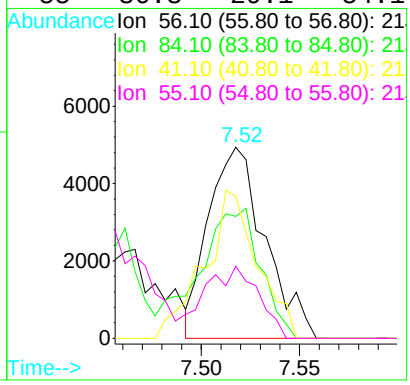


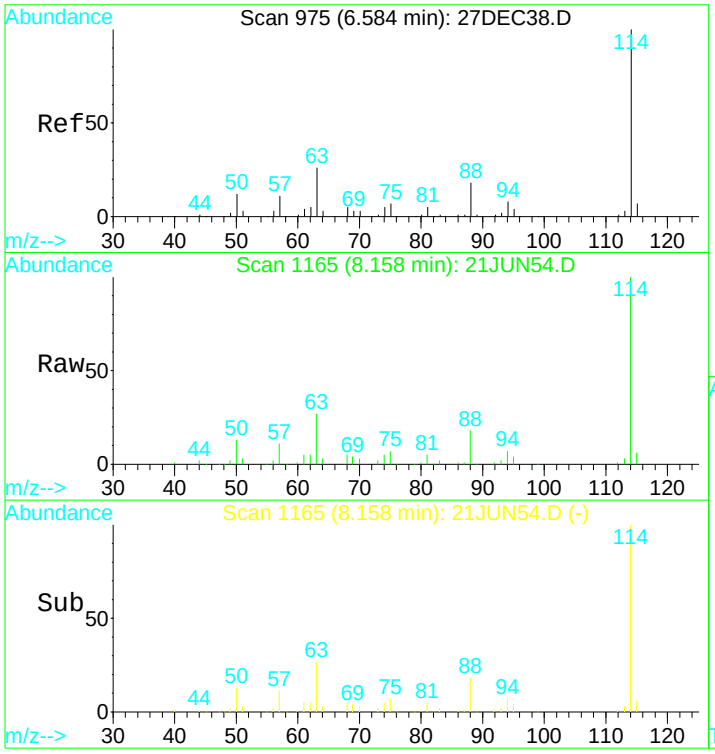


#27
Cyclohexane
Concen: 0.35 ug/L
RT: 7.52 min Scan# 1040
Delta R.T. -0.01 min
Lab File: 21JUN54.D
Acq: 22 Jun 2023 3:08 am

Tgt Ion: 56 Resp: 9854

Ion	Ratio	Lower	Upper
56	100		
84	74.2	49.0	91.0
41	72.7	44.8	83.2
55	36.3	29.1	54.1

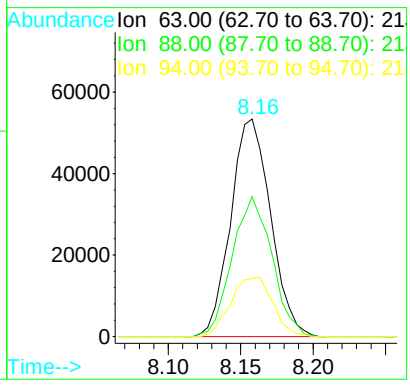


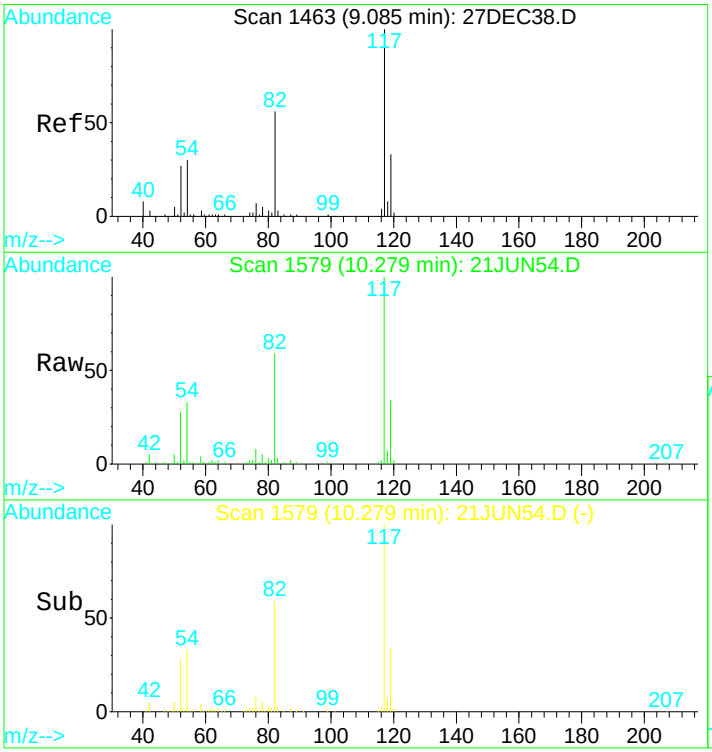


#29
1,4-Difluorobenzene IS#2
Concen: 10.00 ug/L
RT: 8.16 min Scan# 1165
Delta R.T. -0.00 min
Lab File: 21JUN54.D
Acq: 22 Jun 2023 3:08 am

Tgt Ion: 63 Resp: 102458

Ion	Ratio	Lower	Upper
63	100		
88	64.0	45.1	83.7
94	28.7	19.5	36.1

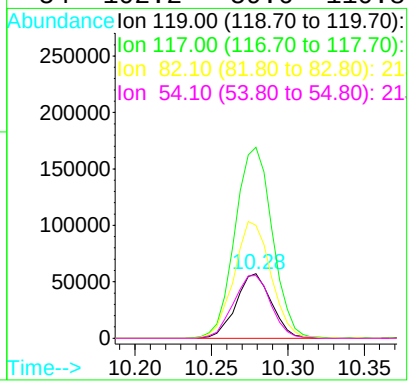




#36
Chlorobenzene d5 IS#3
Concen: 10.00 ug/L
RT: 10.28 min Scan# 1579
Delta R.T. -0.00 min
Lab File: 21JUN54.D
Acq: 22 Jun 2023 3:08 am

Tgt Ion:119 Resp: 92275

Ion	Ratio	Lower	Upper
119	100		
117	311.8	220.4	409.2
82	188.1	126.8	235.6
54	102.2	59.6	110.8



Quantitation Report (QT Reviewed)

Data File : D:\DATA\JUN2023C\JUN21\21JUN55.D Vial: 55
Acq On : 22 Jun 2023 3:32 am Operator: MGC
Sample : 2311827-07 Inst : MS-V5
Misc : 1 ;25ML;pH<2 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jun 22 11:34 2023 Quant Results File: 82605C.RES

Quant Method : C:\HPCHEM\1...\82605C.M (RTE Integrator)
Title : EPA Method 8260C/D
Last Update : Thu Jun 22 11:15:56 2023
Response via : Initial Calibration
DataAcq Meth : 82605

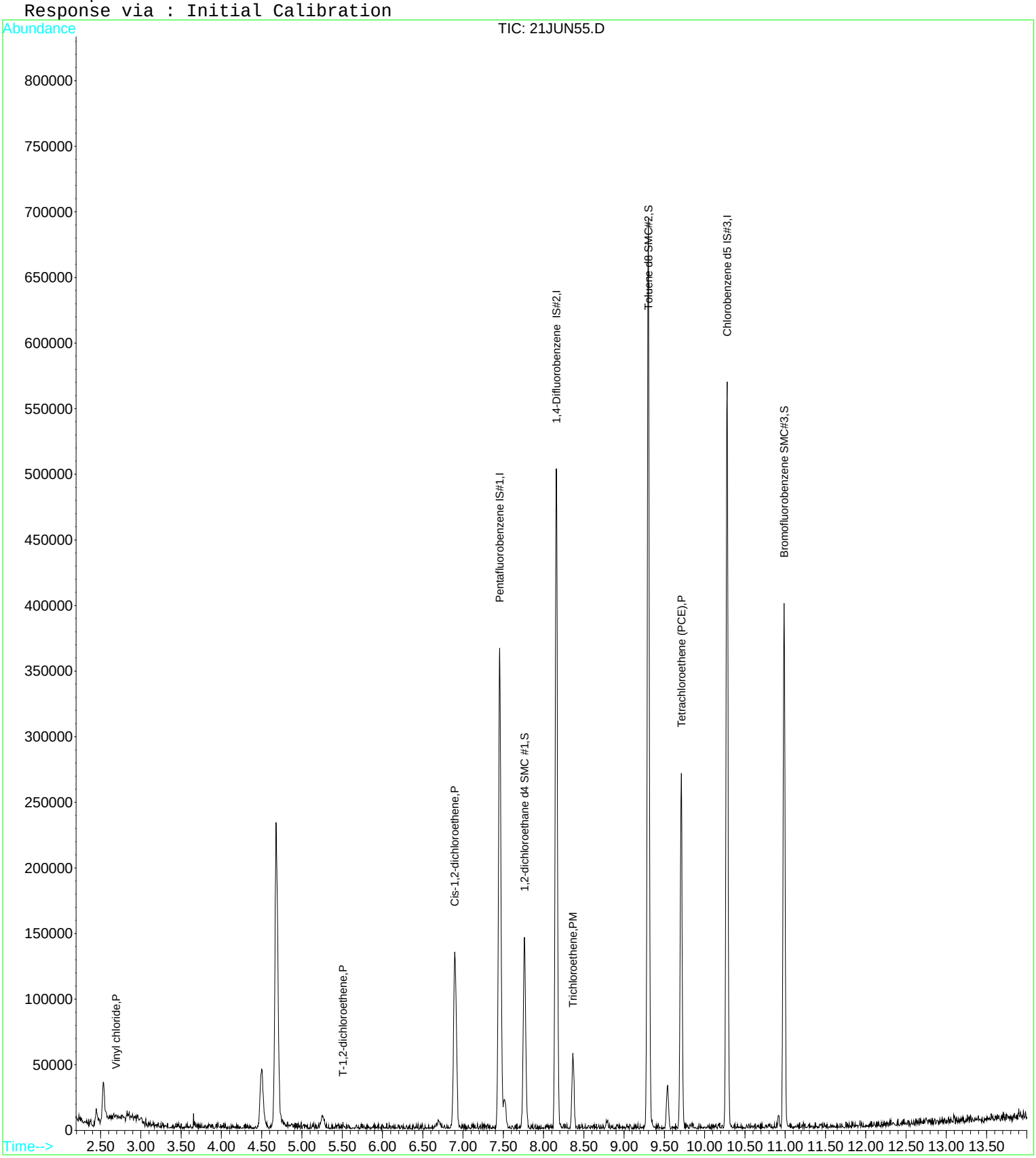
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene IS#1	7.46	137	45411	10.00	ug/L	0.00
26) 1,4-Difluorobenzene IS#2	8.16	63	102472	10.00	ug/L	0.00
41) Chlorobenzene d5 IS#3	10.28	119	91184	10.00	ug/L	0.00
System Monitoring Compounds						
23) 1,2-dichloroethane d4 SMC	7.76	65	127001	10.74	ug/L	0.00
Spiked Amount 10.000	Range 75 - 125		Recovery = 107.40%			
33) Toluene d8 SMC#2	9.30	98	417233	9.74	ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 97.40%			
51) Bromofluorobenzene SMC#3	10.99	95	127160	9.55	ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 95.50%			
Target Compounds						Qvalue
5) Vinyl chloride	2.69	62	985	0.07	ug/L #	17
14) T-1,2-dichloroethene	5.51	96	859	0.06	ug/L #	61
17) Cis-1,2-dichloroethene	6.90	96	65032	4.83	ug/L	90
27) Trichloroethene	8.37	130	17724	1.23	ug/L	97
37) Tetrachloroethene (PCE)	9.71	166	71867	5.17	ug/L	97

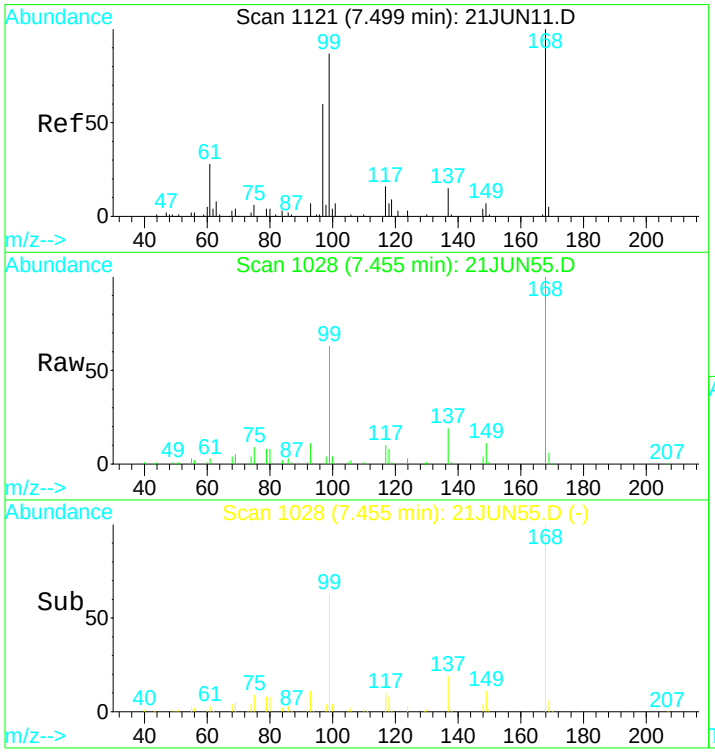
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : D:\DATA\JUN2023C\JUN21\21JUN55.D Vial: 55
Acq On : 22 Jun 2023 3:32 am Operator: MGC
Sample : 2311827-07 Inst : MS-V5
Misc : 1 ;25ML;pH<2 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jun 22 11:34 2023 Quant Results File: 82605C.RES

Method : C:\HPCHEM\1\METHODS\C\202306\21-0902\82605C.M (RTE Integrator)
Title : EPA Method 8260C/D
Last Update : Thu Jun 22 11:15:56 2023
Response via : Initial Calibration

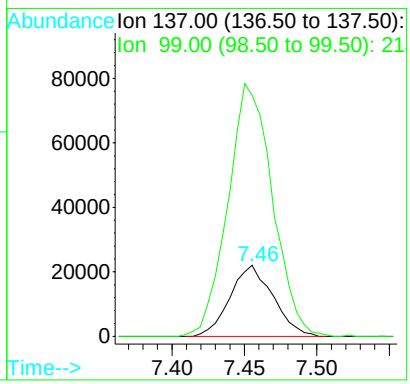


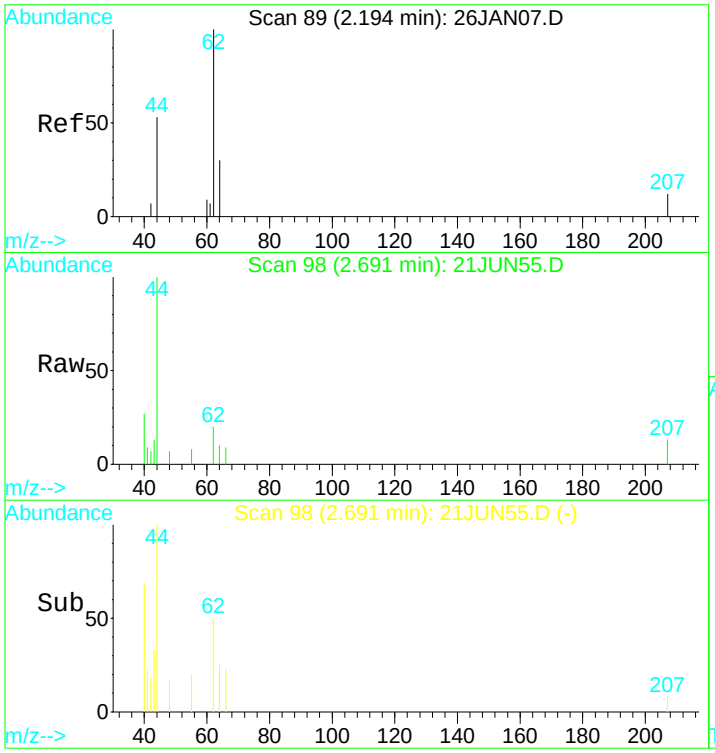


#1
Pentafluorobenzene IS#1
Concen: 10.00 ug/L
RT: 7.46 min Scan# 1028
Delta R.T. -0.00 min
Lab File: 21JUN55.D
Acq: 22 Jun 2023 3:32 am

Tgt Ion:137 Resp: 45411

Ion	Ratio	Lower	Upper
137	100		
99	369.7	1554.0	2886.0#

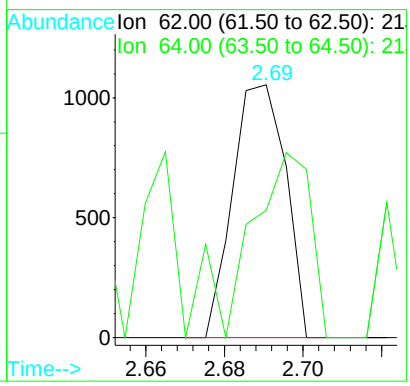


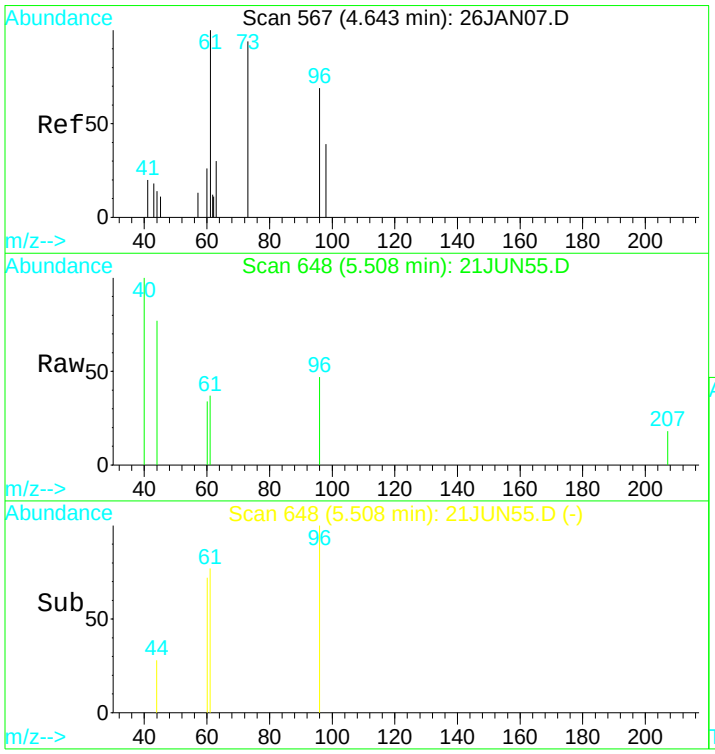


#5
Vinyl chloride
Concen: 0.07 ug/L
RT: 2.69 min Scan# 98
Delta R.T. -0.01 min
Lab File: 21JUN55.D
Acq: 22 Jun 2023 3:32 am

Tgt Ion: 62 Resp: 985

Ion	Ratio	Lower	Upper
62	100		
64	77.3	21.9	40.7#

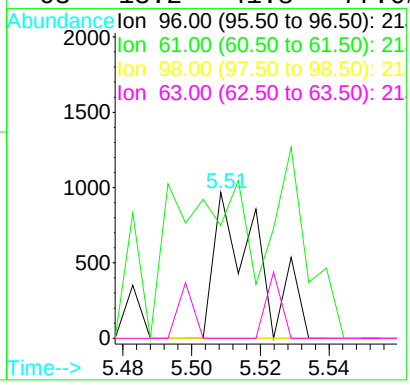


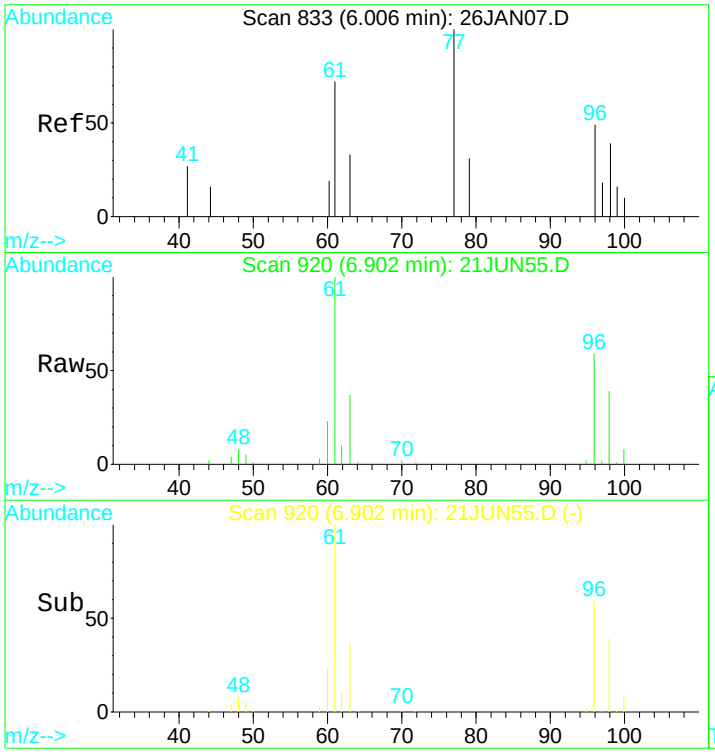


#14
T-1,2-dichloroethene
Concen: 0.06 ug/L
RT: 5.51 min Scan# 648
Delta R.T. -0.01 min
Lab File: 21JUN55.D
Acq: 22 Jun 2023 3:32 am

Tgt Ion: 96 Resp: 859

Ion	Ratio	Lower	Upper
96	100		
61	204.0	127.5	236.9
98	0.0	46.1	85.5#
63	13.2	41.8	77.6#

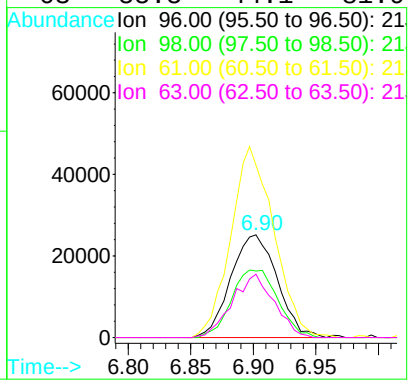


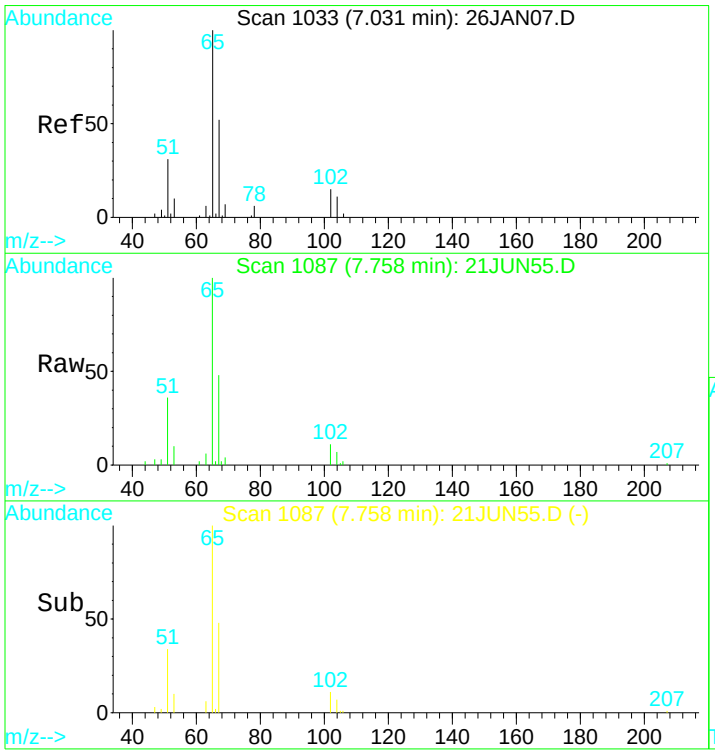


#17
Cis-1,2-dichloroethene
Concen: 4.83 ug/L
RT: 6.90 min Scan# 920
Delta R.T. -0.00 min
Lab File: 21JUN55.D
Acq: 22 Jun 2023 3:32 am

Tgt Ion: 96 Resp: 65032

Ion	Ratio	Lower	Upper
96	100		
98	65.5	45.4	84.2
61	172.8	134.1	249.1
63	55.5	44.1	81.9

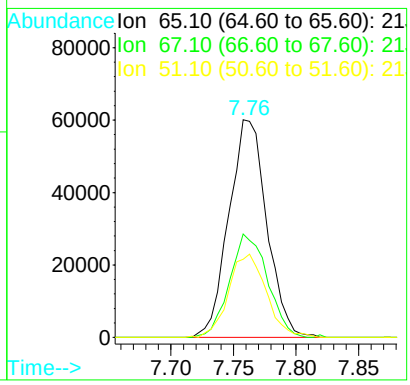


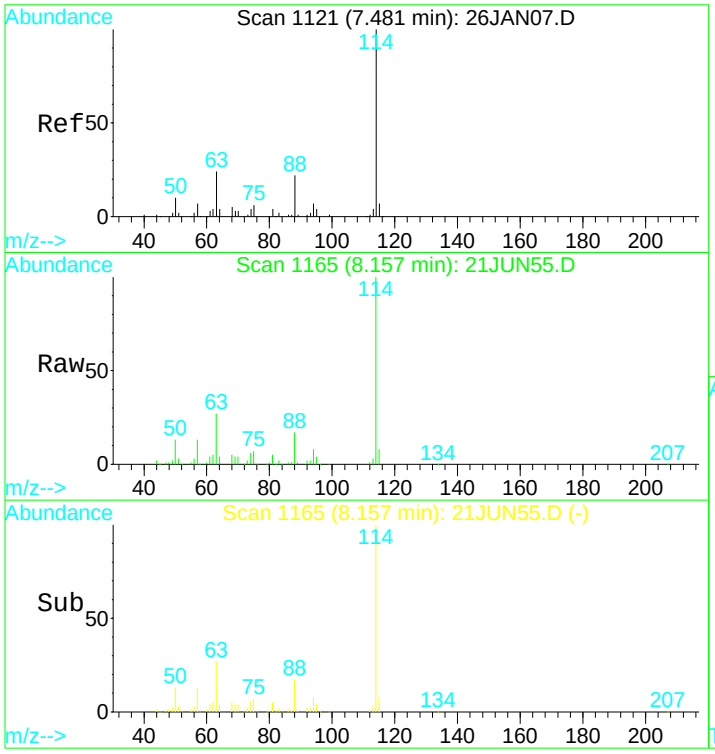


#23
1,2-dichloroethane d4 SMC #1
Concen: N.D. ug/L
RT: 7.76 min Scan# 1087
Delta R.T. -0.01 min
Lab File: 21JUN55.D
Acq: 22 Jun 2023 3:32 am

Tgt Ion: 65 Resp: 127001

Ion	Ratio	Lower	Upper
65	100		
67	47.3	33.0	61.2
51	38.1	440.4	817.8#

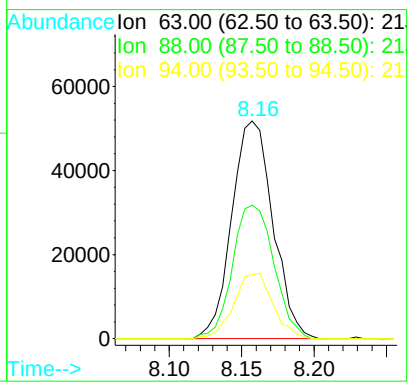


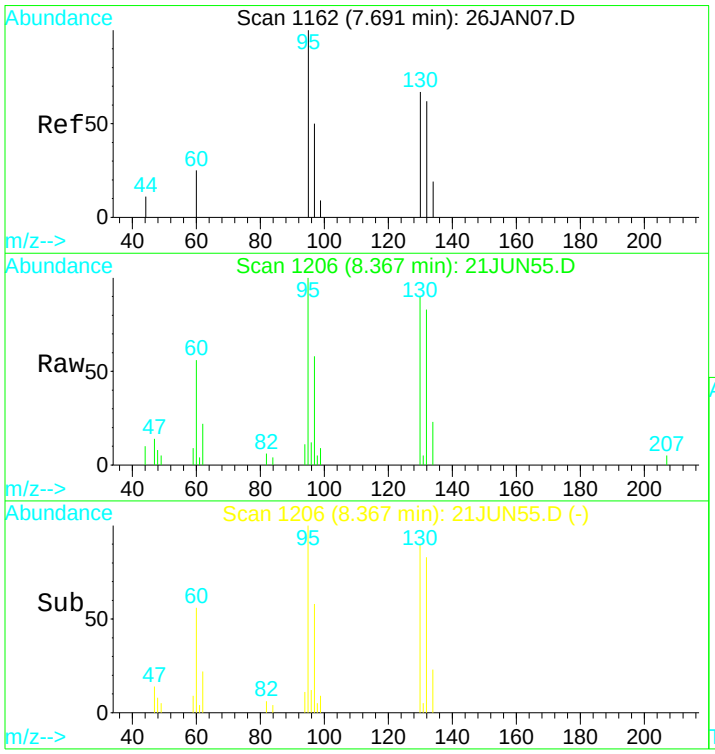


#26
1,4-Difluorobenzene IS#2
Concen: 10.00 ug/L
RT: 8.16 min Scan# 1165
Delta R.T. -0.00 min
Lab File: 21JUN55.D
Acq: 22 Jun 2023 3:32 am

Tgt Ion: 63 Resp: 102472

Ion	Ratio	Lower	Upper
63	100		
88	61.7	43.6	81.0
94	28.5	20.2	37.4

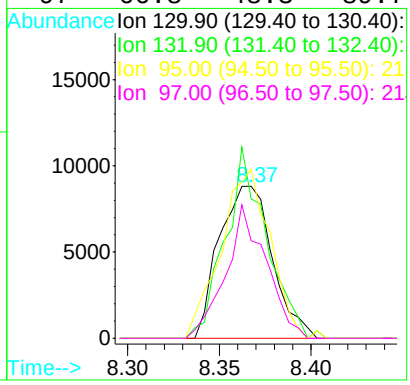


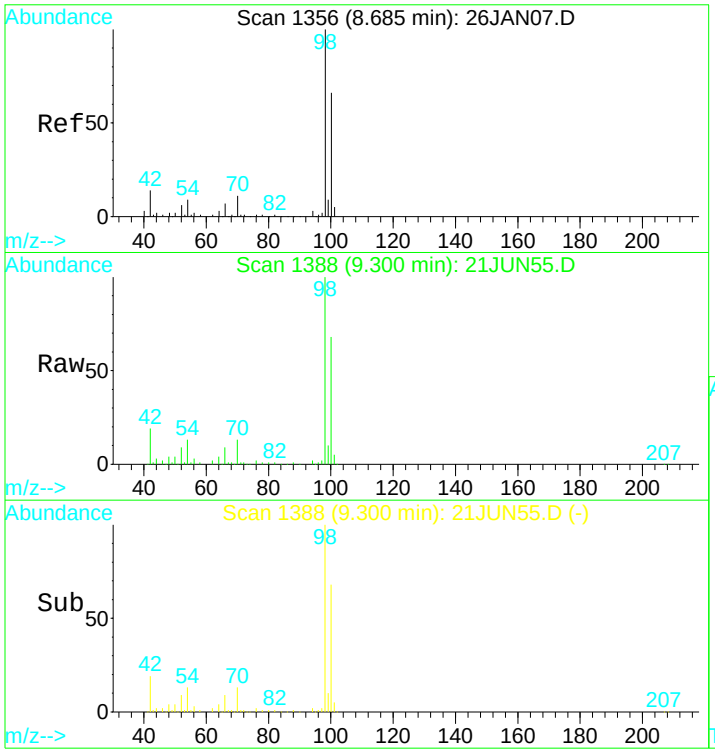


#27
Trichloroethene
Concen: 1.23 ug/L
RT: 8.37 min Scan# 1206
Delta R.T. -0.00 min
Lab File: 21JUN55.D
Acq: 22 Jun 2023 3:32 am

Tgt Ion:130 Resp: 17724

Ion	Ratio	Lower	Upper
130	100		
132	97.8	67.1	124.7
95	103.7	74.7	138.7
97	66.8	48.3	89.7

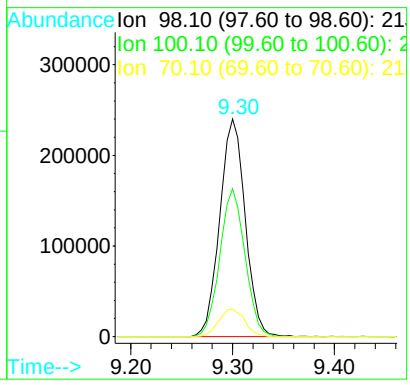


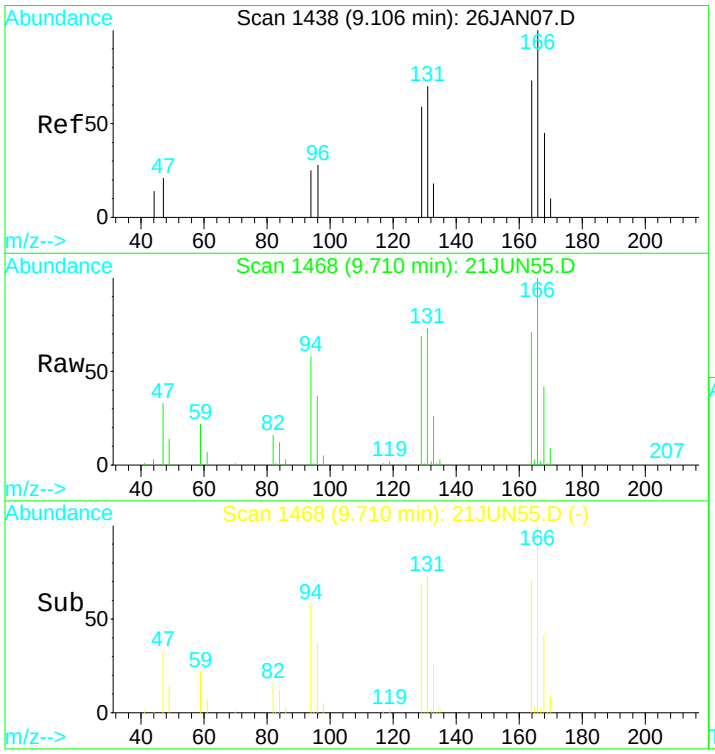


#33
Toluene d8 SMC#2
Concen: N.D. ug/L
RT: 9.30 min Scan# 1388
Delta R.T. 0.00 min
Lab File: 21JUN55.D
Acq: 22 Jun 2023 3:32 am

Tgt Ion: 98 Resp: 417233

Ion	Ratio	Lower	Upper
98	100		
100	66.9	46.8	87.0
70	13.0	9.0	16.6

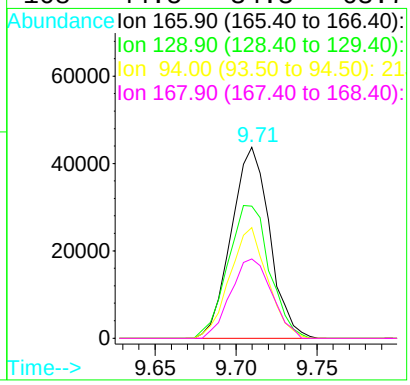


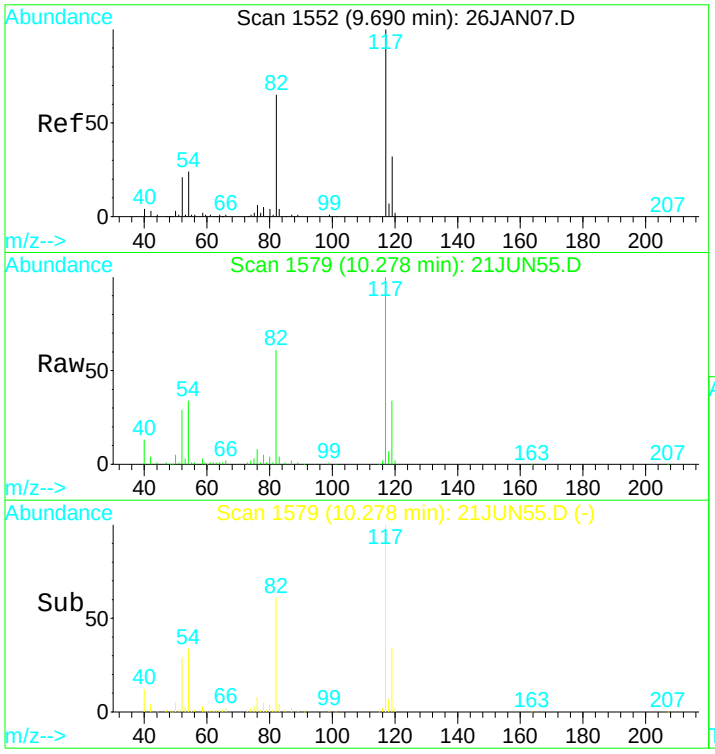


#37
Tetrachloroethene (PCE)
Concen: 5.17 ug/L
RT: 9.71 min Scan# 1468
Delta R.T. -0.00 min
Lab File: 21JUN55.D
Acq: 22 Jun 2023 3:32 am

Tgt Ion:166 Resp: 71867

Ion	Ratio	Lower	Upper
166	100		
129	75.7	51.4	95.4
94	57.3	39.2	72.8
168	44.5	34.3	63.7

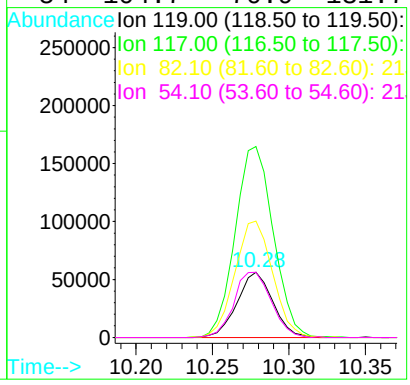


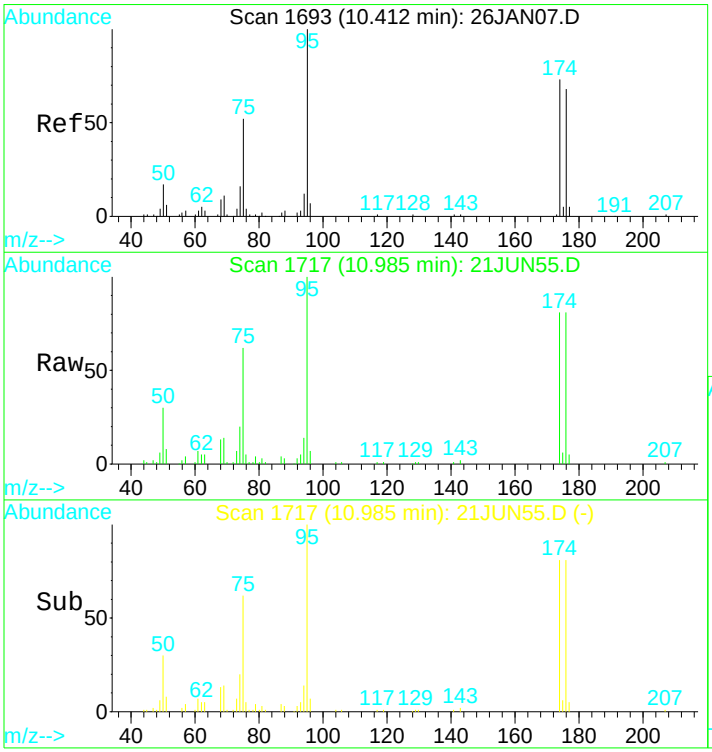


#41
Chlorobenzene d5 IS#3
Concen: 10.00 ug/L
RT: 10.28 min Scan# 1579
Delta R.T. -0.00 min
Lab File: 21JUN55.D
Acq: 22 Jun 2023 3:32 am

Tgt Ion:119 Resp: 91184

Ion	Ratio	Lower	Upper
119	100		
117	313.4	216.7	402.4
82	188.5	131.1	243.5
54	104.7	70.9	131.7

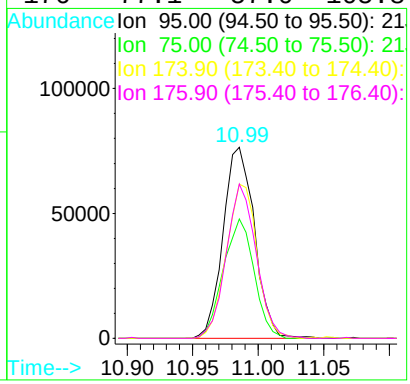




#51
Bromofluorobenzene SMC#3
Concen: Below ug/L
RT: 10.99 min Scan# 1717
Delta R.T. -0.00 min
Lab File: 21JUN55.D
Acq: 22 Jun 2023 3:32 am

Tgt Ion: 95 Resp: 127160

Ion	Ratio	Lower	Upper
95	100		
75	60.9	40.3	74.9
174	79.1	58.4	108.6
176	77.1	57.0	105.8



Quantitation Report (QT Reviewed)

Data File : D:\DATA\JUN2023C\JUN21\21JUN55.D Vial: 55
Acq On : 22 Jun 2023 3:32 am Operator: MGC
Sample : 2311827-07 Inst : MS-V5
Misc : 1 ;25ML;pH<2 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jun 22 11:49 2023 Quant Results File: 82605CX.RES

Quant Method : C:\HPCHEM\1...\82605CX.M (RTE Integrator)
Title : EPA Method 8260C/DX
Last Update : Thu Jun 22 04:57:10 2023
Response via : Initial Calibration
DataAcq Meth : 82605

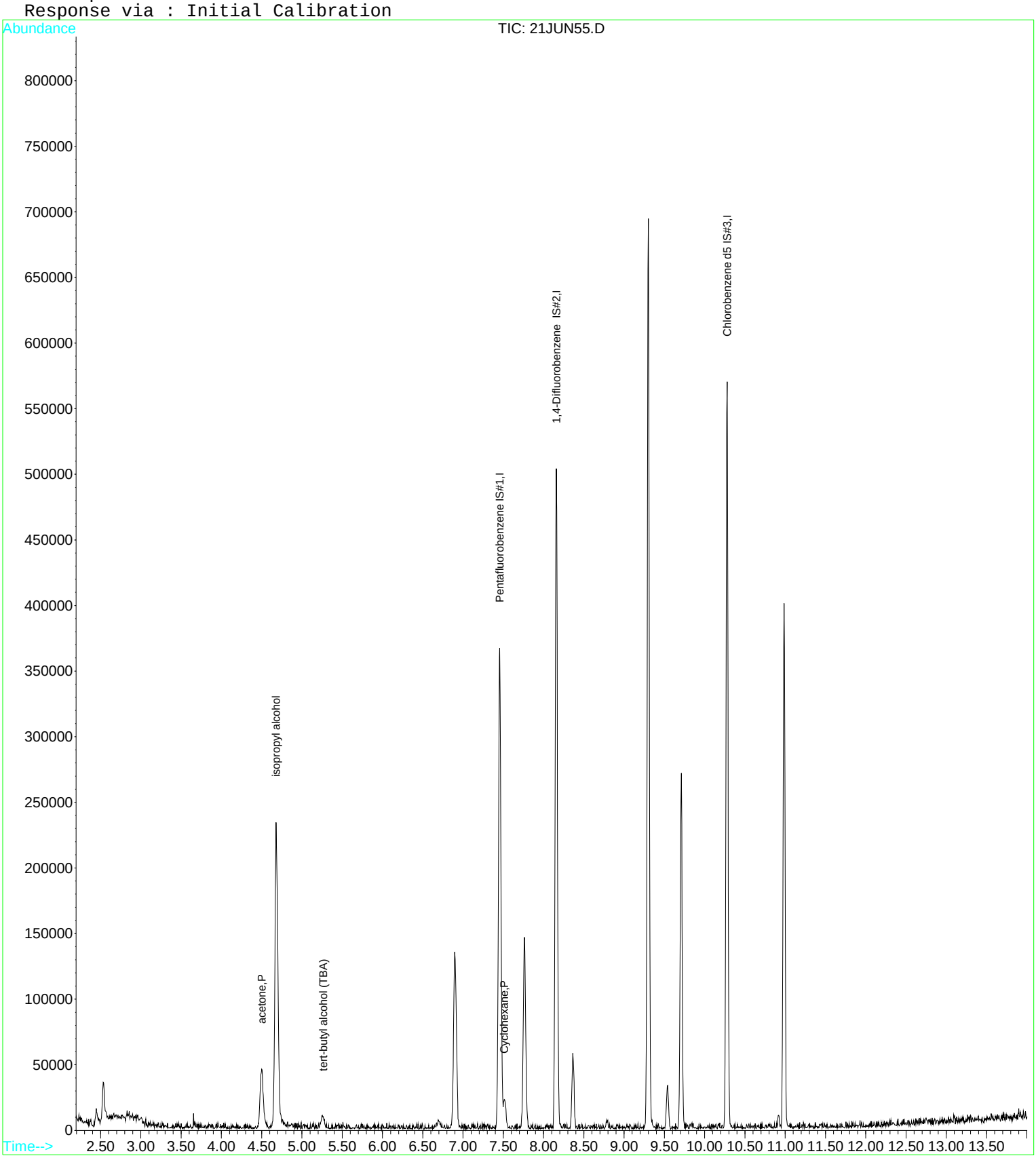
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene IS#1	7.46	137	45411	10.00	ug/L	0.00
29) 1,4-Difluorobenzene IS#2	8.16	63	102472	10.00	ug/L	0.00
36) Chlorobenzene d5 IS#3	10.28	119	91184	10.00	ug/L	0.00
Target Compounds						Qvalue
6) isopropyl alcohol	4.68	45	400015	1669.46	ug/L #	2
8) acetone	4.50	43	91301	70.21	ug/L	92
9) tert-butyl alcohol (TBA)	5.26	59	13547	34.28	ug/L	100
27) Cyclohexane	7.52	56	14844	0.53	ug/L #	83

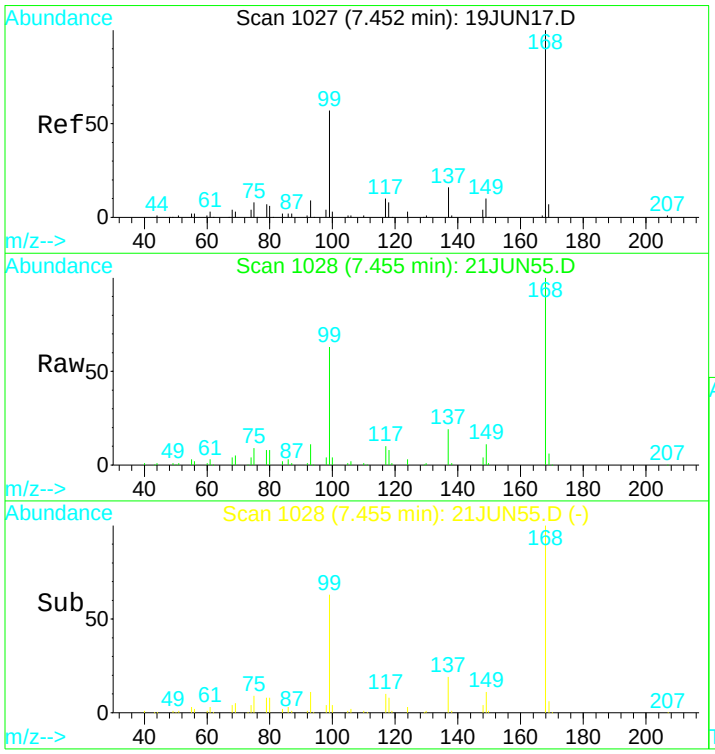
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : D:\DATA\JUN2023C\JUN21\21JUN55.D Vial: 55
Acq On : 22 Jun 2023 3:32 am Operator: MGC
Sample : 2311827-07 Inst : MS-V5
Misc : 1 ;25ML;pH<2 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jun 22 11:49 2023 Quant Results File: 82605CX.RES

Method : C:\HPCHEM\1\METHODS\C\202306\19-1901\82605CX.M (RTE Integrator)
Title : EPA Method 8260C/DX
Last Update : Thu Jun 22 04:57:10 2023
Response via : Initial Calibration

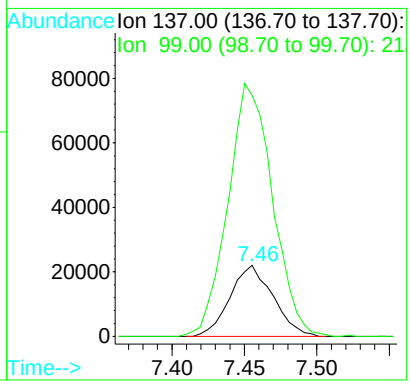


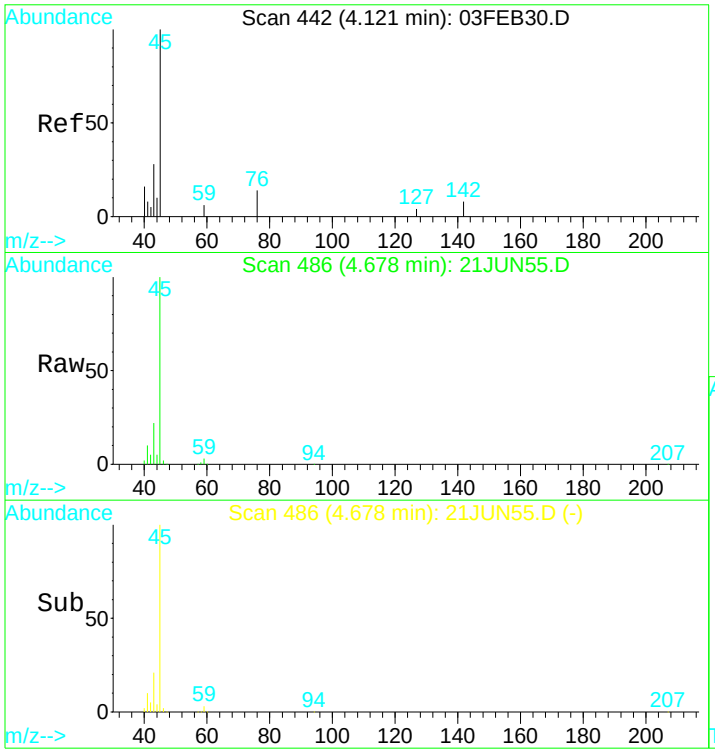


#1
Pentafluorobenzene IS#1
Concen: 10.00 ug/L
RT: 7.46 min Scan# 1028
Delta R.T. 0.00 min
Lab File: 21JUN55.D
Acq: 22 Jun 2023 3:32 am

Tgt Ion:137 Resp: 45411

Ion	Ratio	Lower	Upper
137	100		
99	369.7	248.4	461.4

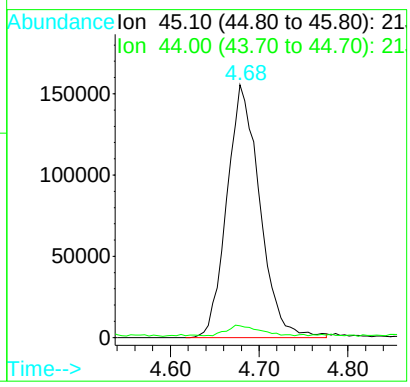


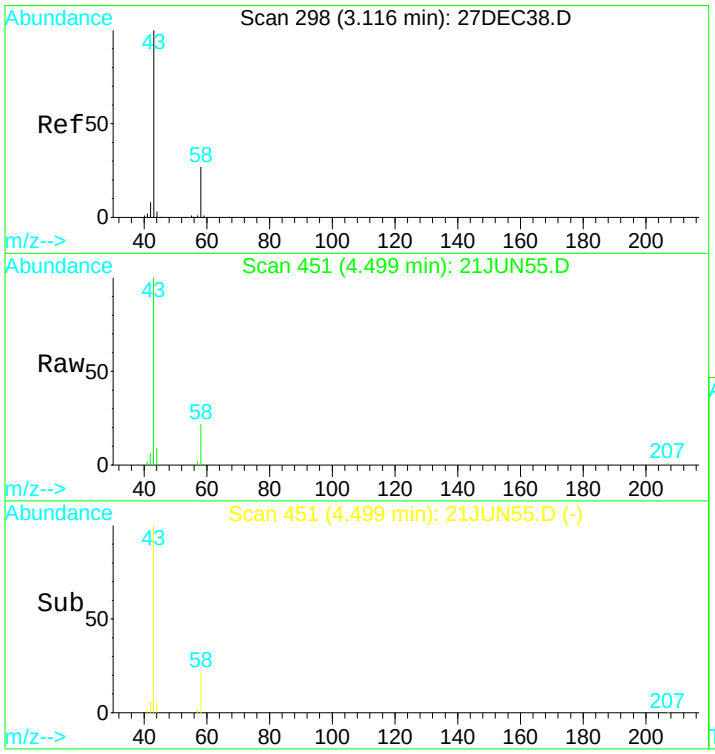


#6
isopropyl alcohol
Concen: 1669.46 ug/L
RT: 4.68 min Scan# 486
Delta R.T. -0.02 min
Lab File: 21JUN55.D
Acq: 22 Jun 2023 3:32 am

Tgt Ion: 45 Resp: 400015

Ion	Ratio	Lower	Upper
45	100		
44	4.0	73.3	136.1#

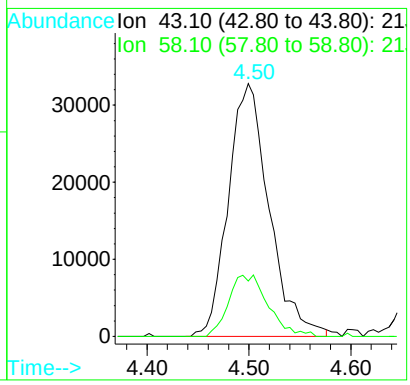


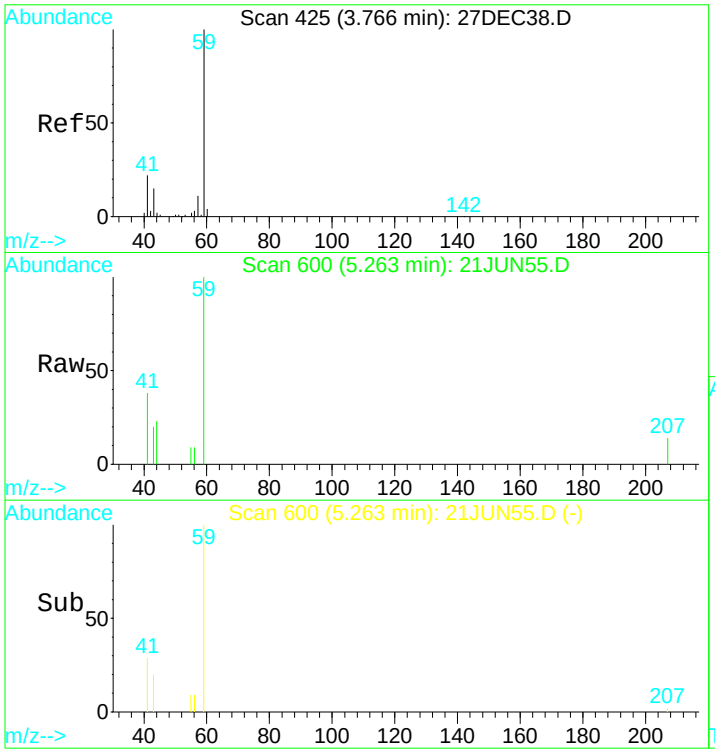


#8
acetone
Concen: 70.21 ug/L
RT: 4.50 min Scan# 451
Delta R.T. 0.00 min
Lab File: 21JUN55.D
Acq: 22 Jun 2023 3:32 am

Tgt Ion: 43 Resp: 91301

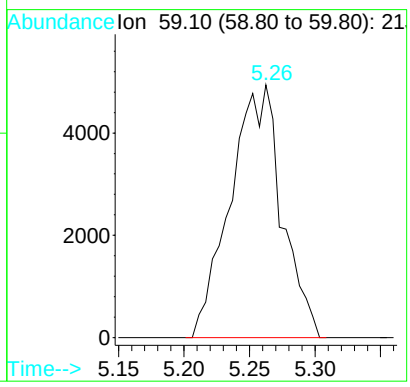
Ion	Ratio	Lower	Upper
43	100		
58	23.4	19.4	36.0

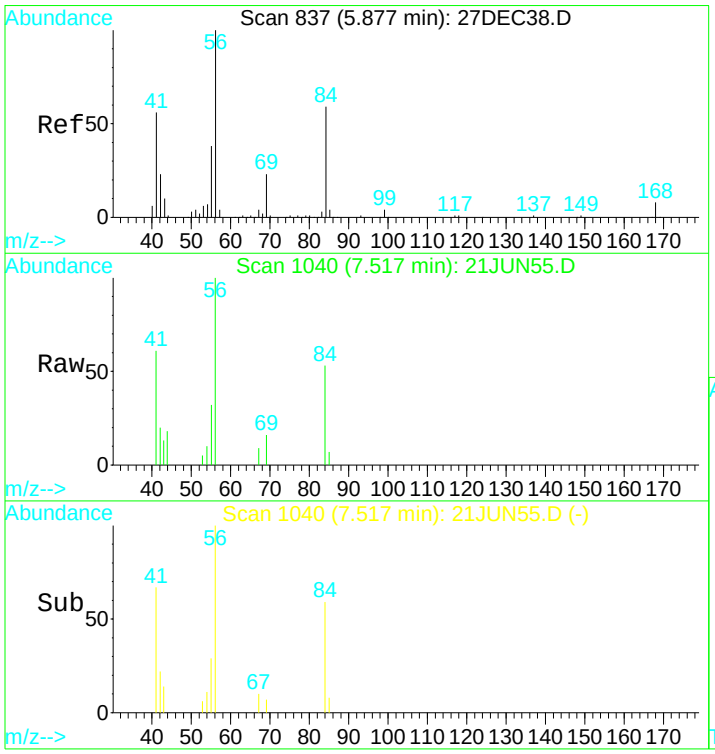




#9
tert-butyl alcohol (TBA)
Concen: 34.28 ug/L
RT: 5.26 min Scan# 600
Delta R.T. -0.00 min
Lab File: 21JUN55.D
Acq: 22 Jun 2023 3:32 am

Tgt Ion: 59 Resp: 13547

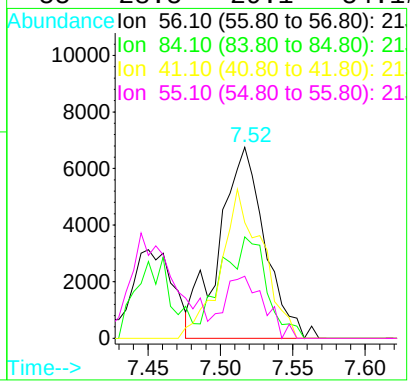


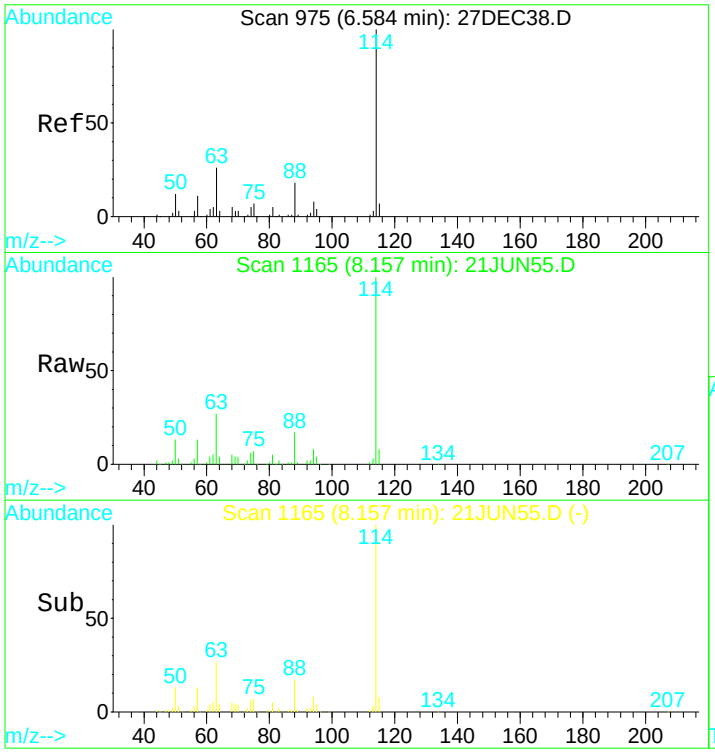


#27
Cyclohexane
Concen: 0.53 ug/L
RT: 7.52 min Scan# 1040
Delta R.T. -0.01 min
Lab File: 21JUN55.D
Acq: 22 Jun 2023 3:32 am

Tgt Ion: 56 Resp: 14844

Ion	Ratio	Lower	Upper
56	100		
84	51.9	49.0	91.0
41	70.3	44.8	83.2
55	28.5	29.1	54.1#

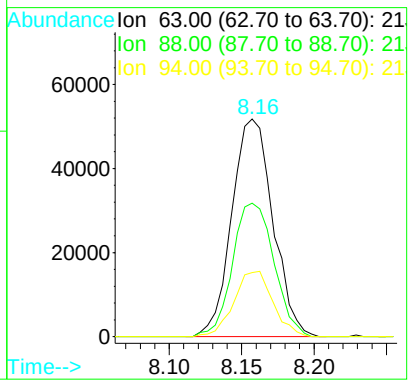


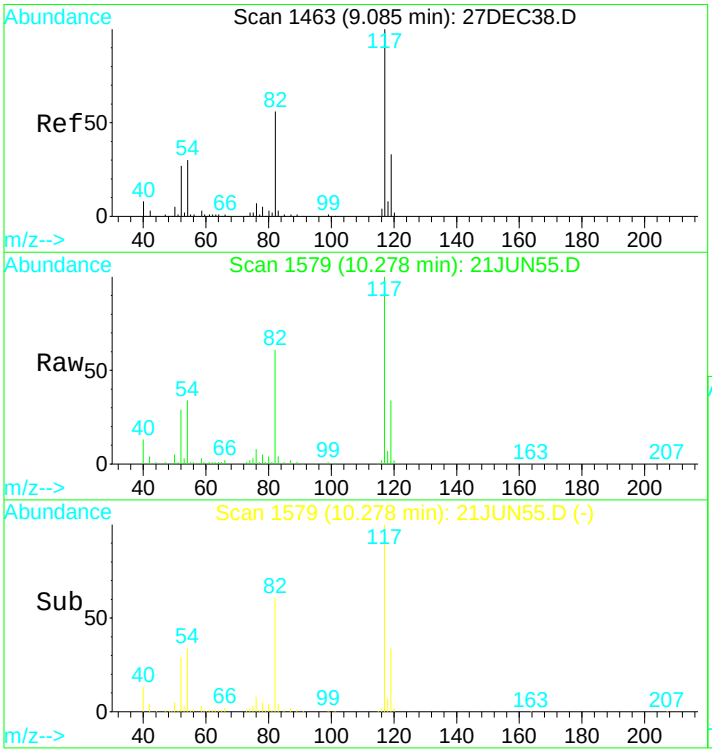


#29
1,4-Difluorobenzene IS#2
Concen: 10.00 ug/L
RT: 8.16 min Scan# 1165
Delta R.T. -0.00 min
Lab File: 21JUN55.D
Acq: 22 Jun 2023 3:32 am

Tgt Ion: 63 Resp: 102472

Ion	Ratio	Lower	Upper
63	100		
88	61.7	45.1	83.7
94	28.5	19.5	36.1

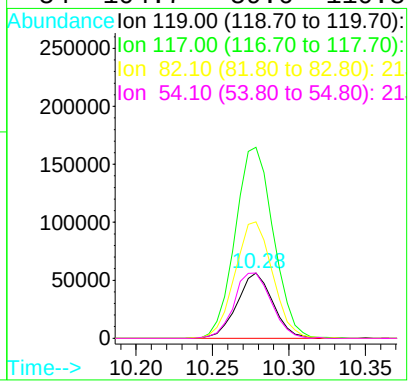




#36
Chlorobenzene d5 IS#3
Concen: 10.00 ug/L
RT: 10.28 min Scan# 1579
Delta R.T. -0.00 min
Lab File: 21JUN55.D
Acq: 22 Jun 2023 3:32 am

Tgt Ion:119 Resp: 91184

Ion	Ratio	Lower	Upper
119	100		
117	313.4	220.4	409.2
82	188.5	126.8	235.6
54	104.7	59.6	110.8



Quantitation Report (QT Reviewed)

Data File : D:\DATA\JUN2023C\JUN21\21JUN56.D Vial: 56
Acq On : 22 Jun 2023 3:56 am Operator: MGC
Sample : 2311827-08 Inst : MS-V5
Misc : 1 ;25ML;pH<2 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jun 22 11:34 2023 Quant Results File: 82605C.RES

Quant Method : C:\HPCHEM\1...\82605C.M (RTE Integrator)
Title : EPA Method 8260C/D
Last Update : Thu Jun 22 11:15:56 2023
Response via : Initial Calibration
DataAcq Meth : 82605

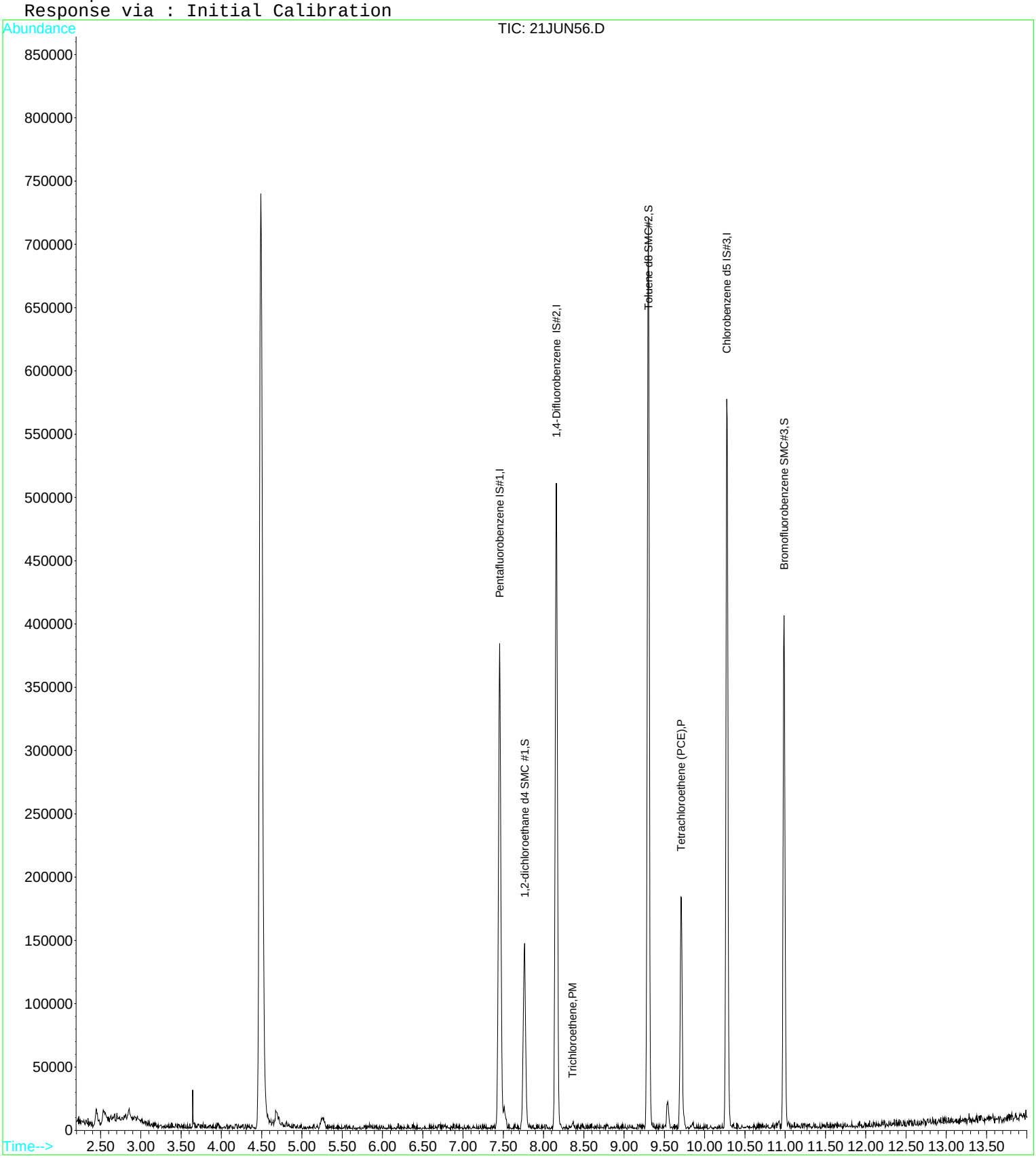
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene IS#1	7.45	137	47007	10.00	ug/L	0.00
26) 1,4-Difluorobenzene IS#2	8.16	63	102319	10.00	ug/L	0.00
41) Chlorobenzene d5 IS#3	10.28	119	91753	10.00	ug/L	0.00
System Monitoring Compounds						
23) 1,2-dichloroethane d4 SMC	7.76	65	123120	10.06	ug/L	0.00
Spiked Amount 10.000	Range 75 - 125		Recovery = 100.60%			
33) Toluene d8 SMC#2	9.30	98	417265	9.76	ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 97.60%			
51) Bromofluorobenzene SMC#3	10.99	95	127467	9.52	ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 95.20%			
Target Compounds						Qvalue
27) Trichloroethene	8.35	130	1093	0.08	ug/L #	81
37) Tetrachloroethene (PCE)	9.70	166	49450	3.56	ug/L	98

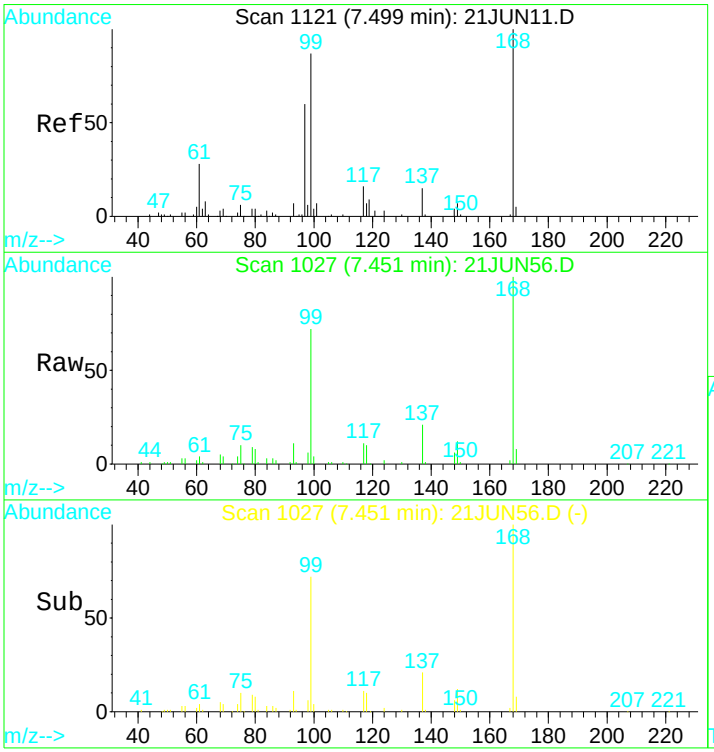
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : D:\DATA\JUN2023C\JUN21\21JUN56.D Vial: 56
Acq On : 22 Jun 2023 3:56 am Operator: MGC
Sample : 2311827-08 Inst : MS-V5
Misc : 1 ;25ML;pH<2 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jun 22 11:34 2023 Quant Results File: 82605C.RES

Method : C:\HPCHEM\1\METHODS\C\202306\21-0902\82605C.M (RTE Integrator)
Title : EPA Method 8260C/D
Last Update : Thu Jun 22 11:15:56 2023
Response via : Initial Calibration

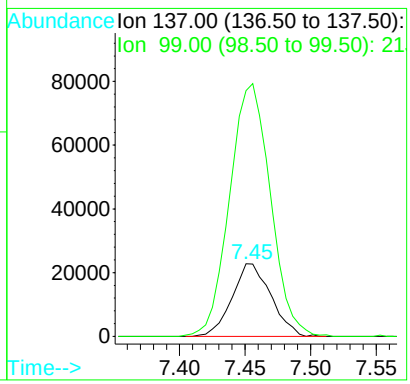


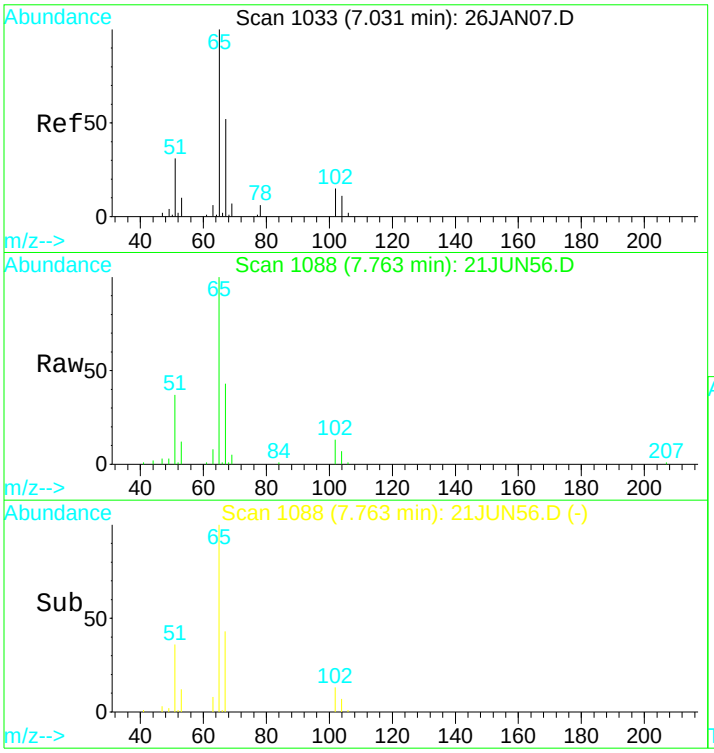


#1
Pentafluorobenzene IS#1
Concen: 10.00 ug/L
RT: 7.45 min Scan# 1027
Delta R.T. -0.01 min
Lab File: 21JUN56.D
Acq: 22 Jun 2023 3:56 am

Tgt Ion:137 Resp: 47007

Ion	Ratio	Lower	Upper
137	100		
99	366.0	1554.0	2886.0#

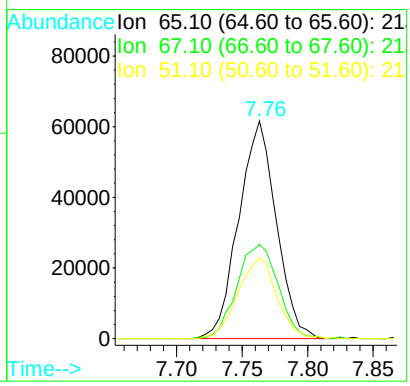


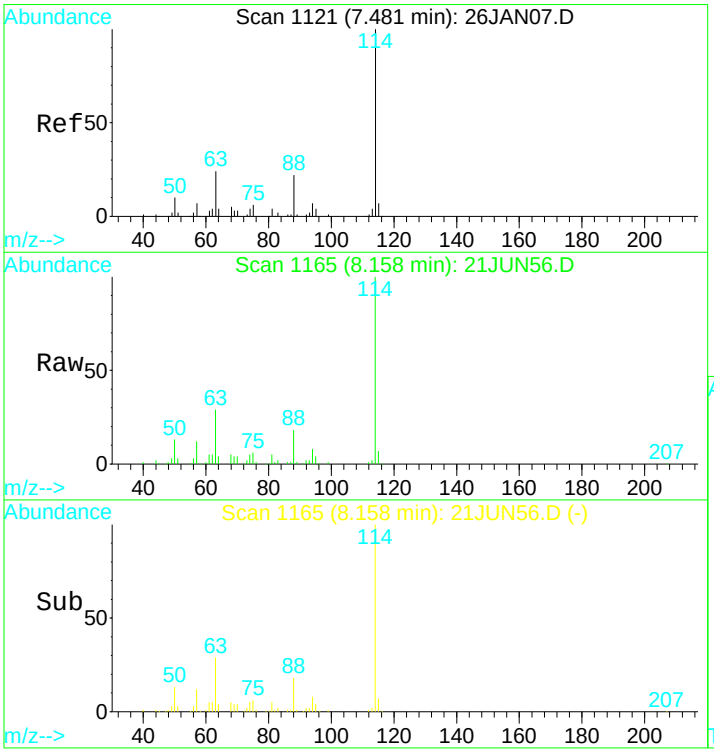


#23
1,2-dichloroethane d4 SMC #1
Concen: N.D. ug/L
RT: 7.76 min Scan# 1088
Delta R.T. -0.00 min
Lab File: 21JUN56.D
Acq: 22 Jun 2023 3:56 am

Tgt Ion: 65 Resp: 123120

Ion	Ratio	Lower	Upper
65	100		
67	47.5	33.0	61.2
51	38.6	440.4	817.8#

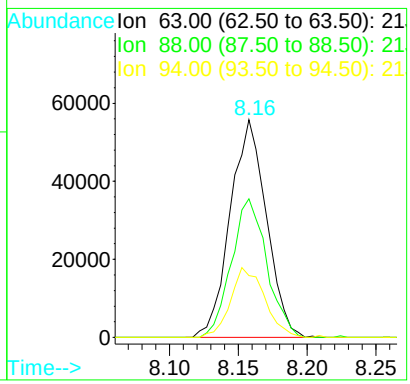


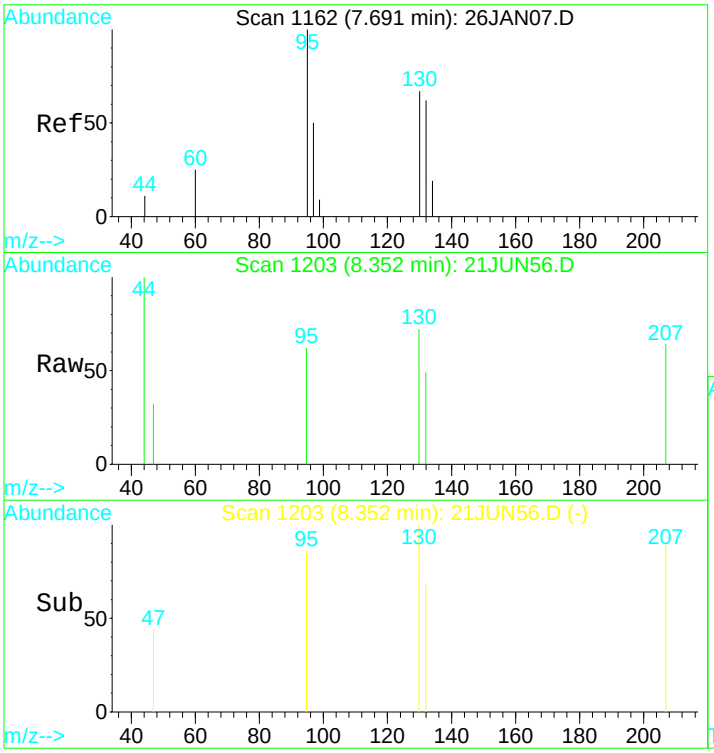


#26
1,4-Difluorobenzene IS#2
Concen: 10.00 ug/L
RT: 8.16 min Scan# 1165
Delta R.T. -0.00 min
Lab File: 21JUN56.D
Acq: 22 Jun 2023 3:56 am

Tgt Ion: 63 Resp: 102319

Ion	Ratio	Lower	Upper
63	100		
88	62.2	43.6	81.0
94	30.2	20.2	37.4

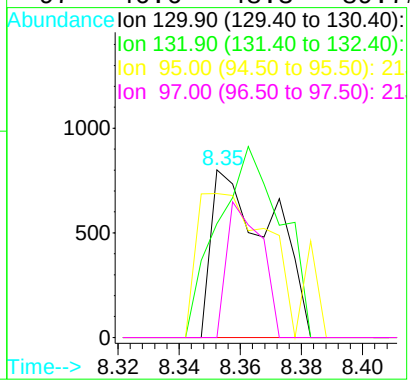


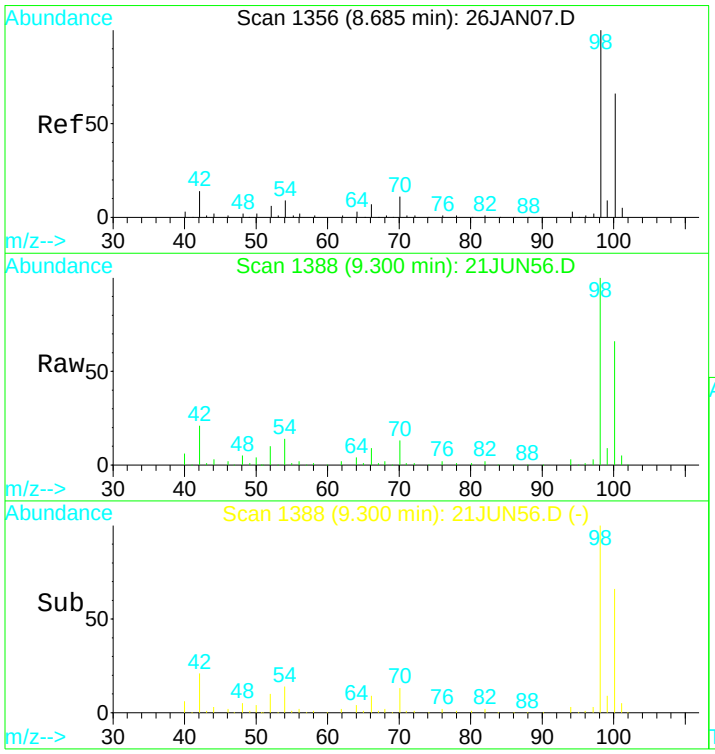


#27
Trichloroethene
Concen: 0.08 ug/L
RT: 8.35 min Scan# 1203
Delta R.T. -0.02 min
Lab File: 21JUN56.D
Acq: 22 Jun 2023 3:56 am

Tgt Ion:130 Resp: 1093

Ion	Ratio	Lower	Upper
130	100		
132	121.3	67.1	124.7
95	113.4	74.7	138.7
97	46.6	48.3	89.7#

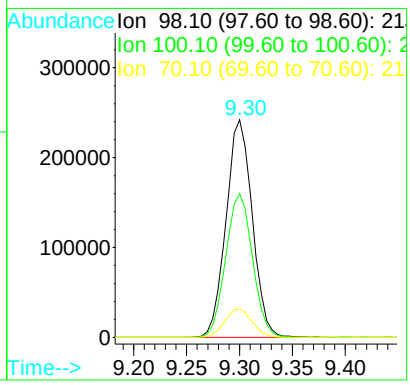


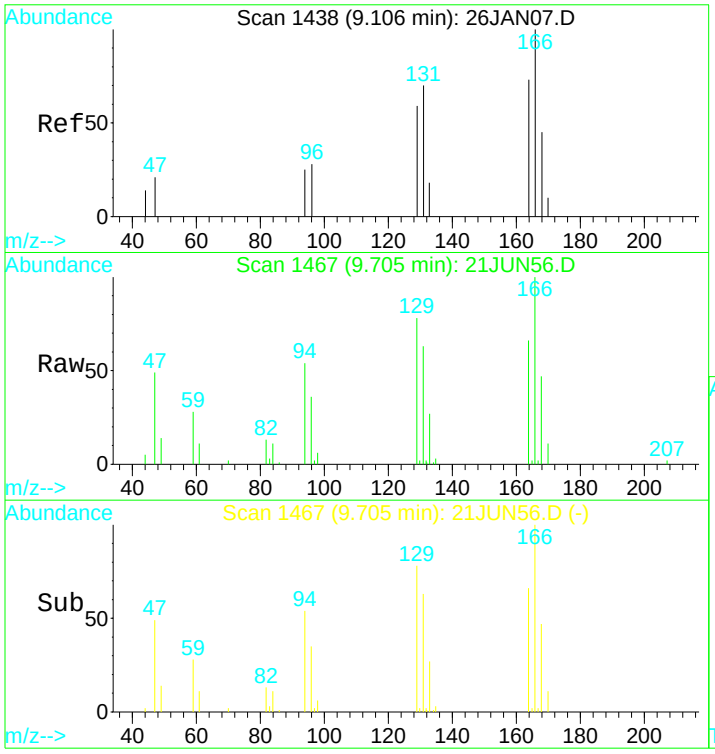


#33
Toluene d8 SMC#2
Concen: N.D. ug/L
RT: 9.30 min Scan# 1388
Delta R.T. 0.00 min
Lab File: 21JUN56.D
Acq: 22 Jun 2023 3:56 am

Tgt Ion: 98 Resp: 417265

Ion	Ratio	Lower	Upper
98	100		
100	67.1	46.8	87.0
70	13.8	9.0	16.6

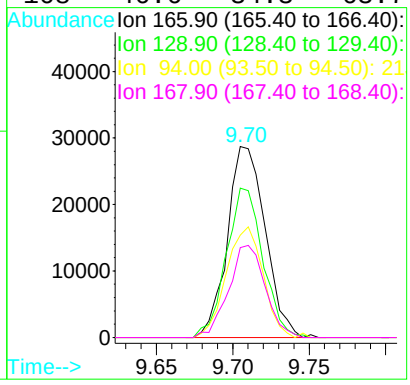


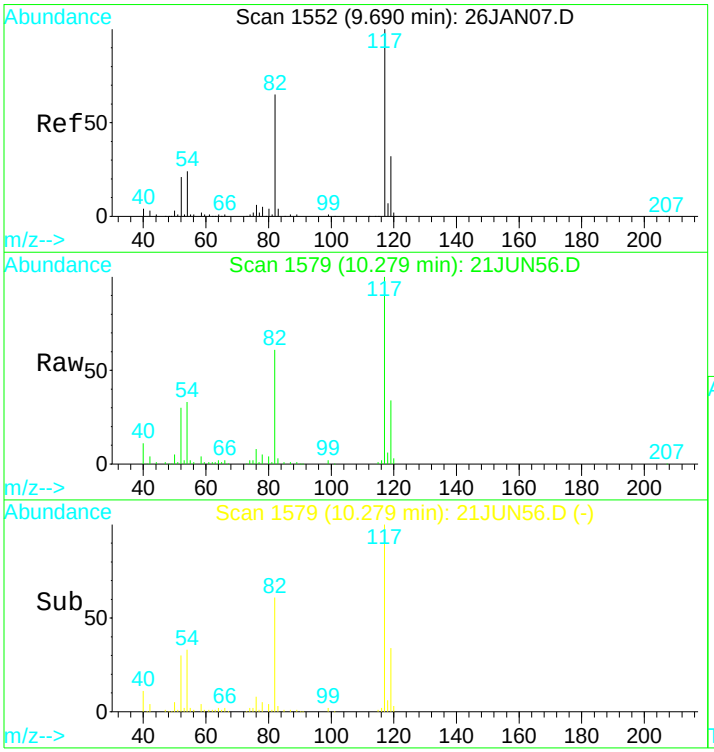


#37
Tetrachloroethene (PCE)
Concen: 3.56 ug/L
RT: 9.70 min Scan# 1467
Delta R.T. -0.01 min
Lab File: 21JUN56.D
Acq: 22 Jun 2023 3:56 am

Tgt Ion:166 Resp: 49450

Ion	Ratio	Lower	Upper
166	100		
129	75.3	51.4	95.4
94	56.4	39.2	72.8
168	46.6	34.3	63.7

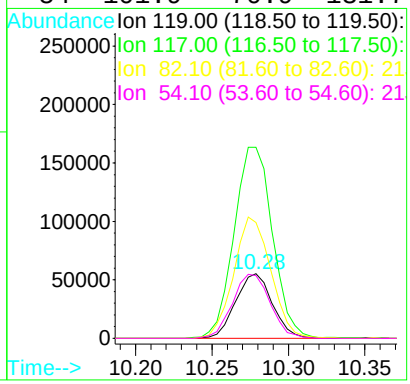


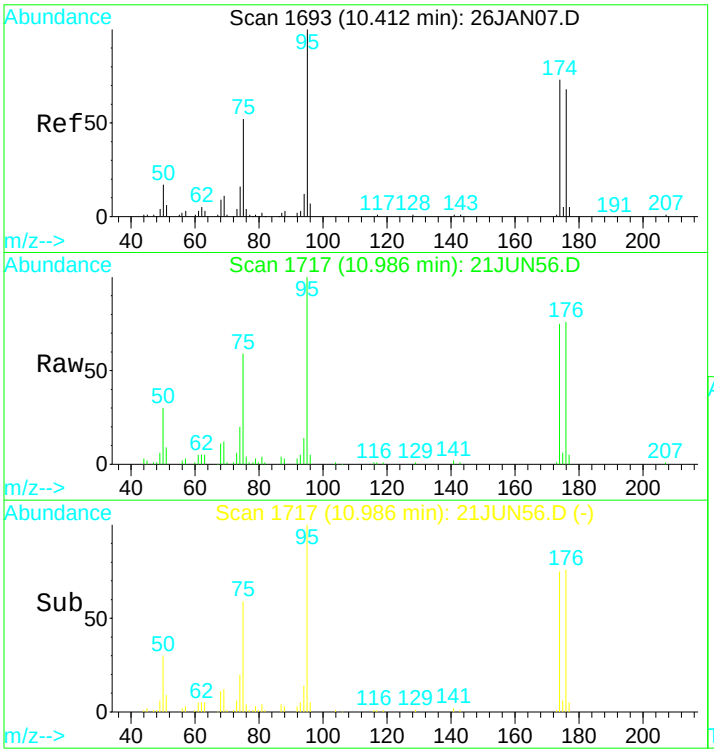


#41
Chlorobenzene d5 IS#3
Concen: 10.00 ug/L
RT: 10.28 min Scan# 1579
Delta R.T. -0.00 min
Lab File: 21JUN56.D
Acq: 22 Jun 2023 3:56 am

Tgt Ion:119 Resp: 91753

Ion	Ratio	Lower	Upper
119	100		
117	312.2	216.7	402.4
82	190.4	131.1	243.5
54	101.9	70.9	131.7

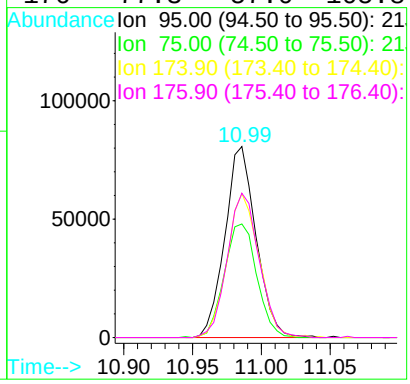




#51
Bromofluorobenzene SMC#3
Concen: N.D. ug/L
RT: 10.99 min Scan# 1717
Delta R.T. -0.00 min
Lab File: 21JUN56.D
Acq: 22 Jun 2023 3:56 am

Tgt Ion: 95 Resp: 127467

Ion	Ratio	Lower	Upper
95	100		
75	62.0	40.3	74.9
174	77.0	58.4	108.6
176	77.3	57.0	105.8



Quantitation Report (QT Reviewed)

Data File : D:\DATA\JUN2023C\JUN21\21JUN56.D Vial: 56
Acq On : 22 Jun 2023 3:56 am Operator: MGC
Sample : 2311827-08 Inst : MS-V5
Misc : 1 ;25ML;pH<2 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jun 22 11:50 2023 Quant Results File: 82605CX.RES

Quant Method : C:\HPCHEM\1...\82605CX.M (RTE Integrator)
Title : EPA Method 8260C/DX
Last Update : Thu Jun 22 04:57:10 2023
Response via : Initial Calibration
DataAcq Meth : 82605

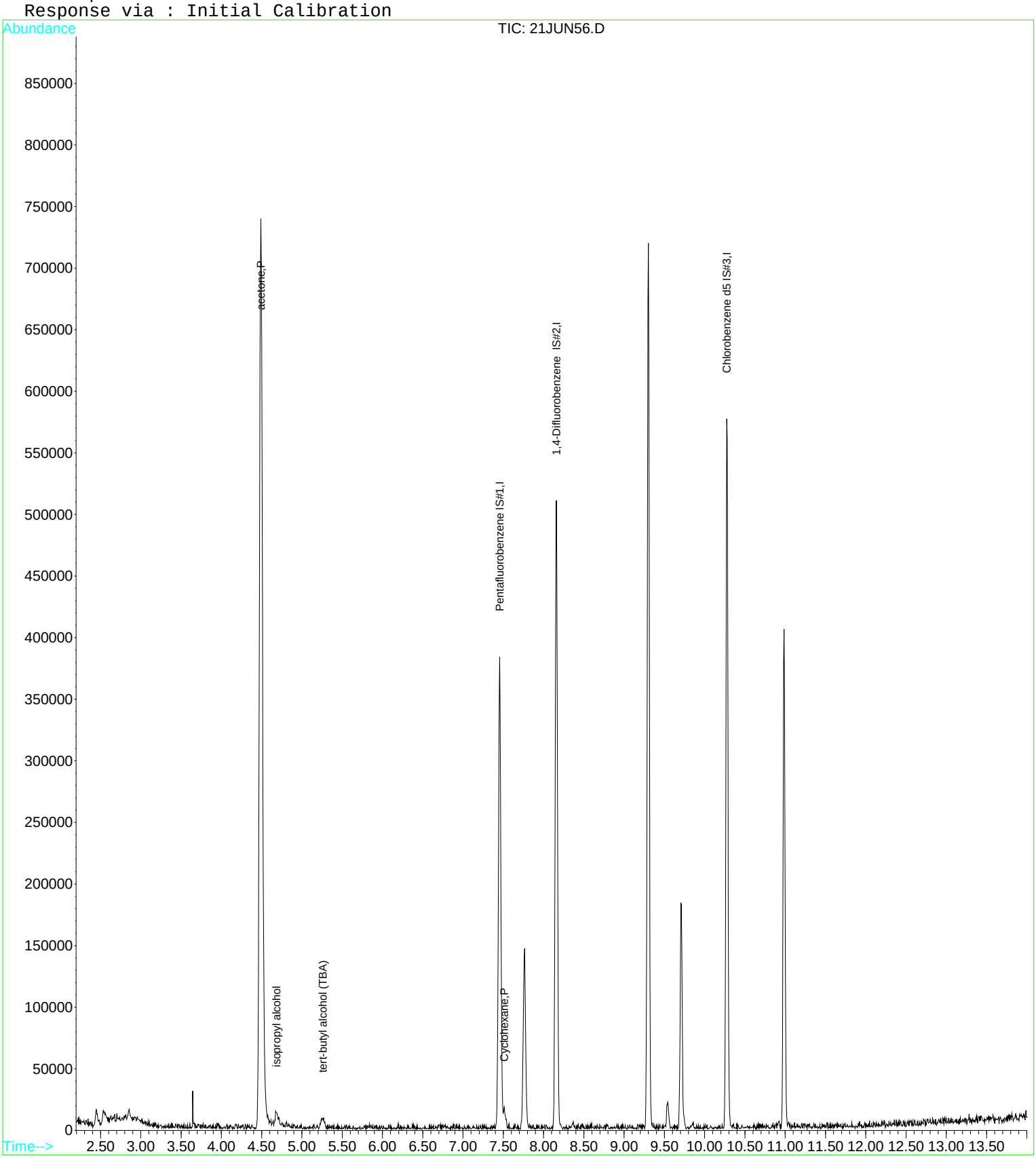
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene IS#1	7.45	137	47007	10.00	ug/L	0.00
29) 1,4-Difluorobenzene IS#2	8.16	63	102319	10.00	ug/L	0.00
36) Chlorobenzene d5 IS#3	10.28	119	91753	10.00	ug/L	0.00
Target Compounds						Qvalue
6) isopropyl alcohol	4.69	45	19323	77.91	ug/L #	1
8) acetone	4.49	43	1429239	1061.77	ug/L	93
9) tert-butyl alcohol (TBA)	5.26	59	13561	33.15	ug/L	100
27) Cyclohexane	7.51	56	8377	0.29	ug/L #	79

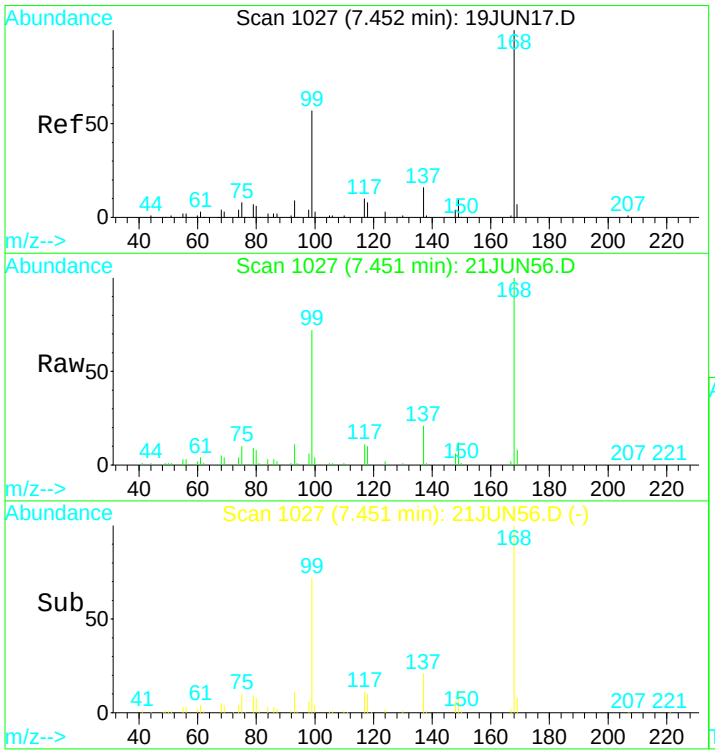
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : D:\DATA\JUN2023C\JUN21\21JUN56.D Vial: 56
Acq On : 22 Jun 2023 3:56 am Operator: MGC
Sample : 2311827-08 Inst : MS-V5
Misc : 1 ;25ML;pH<2 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jun 22 11:50 2023 Quant Results File: 82605CX.RES

Method : C:\HPCHEM\1\METHODS\C\202306\19-1901\82605CX.M (RTE Integrator)
Title : EPA Method 8260C/DX
Last Update : Thu Jun 22 04:57:10 2023
Response via : Initial Calibration

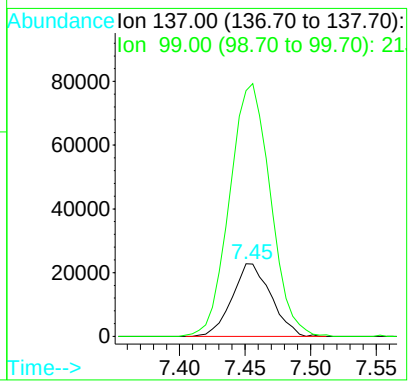


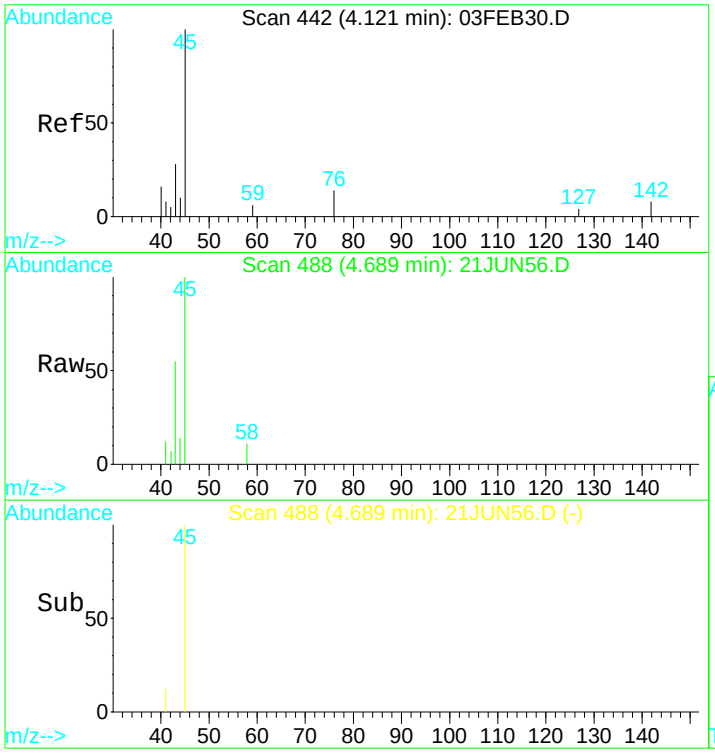


#1
Pentafluorobenzene IS#1
Concen: 10.00 ug/L
RT: 7.45 min Scan# 1027
Delta R.T. -0.00 min
Lab File: 21JUN56.D
Acq: 22 Jun 2023 3:56 am

Tgt Ion:137 Resp: 47007

Ion	Ratio	Lower	Upper
137	100		
99	366.0	248.4	461.4

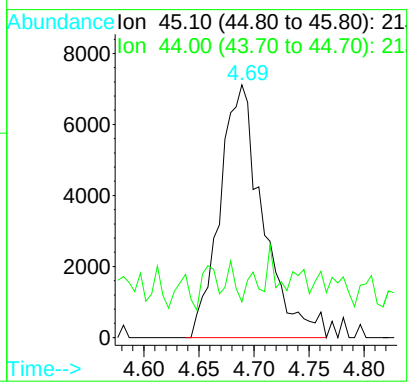


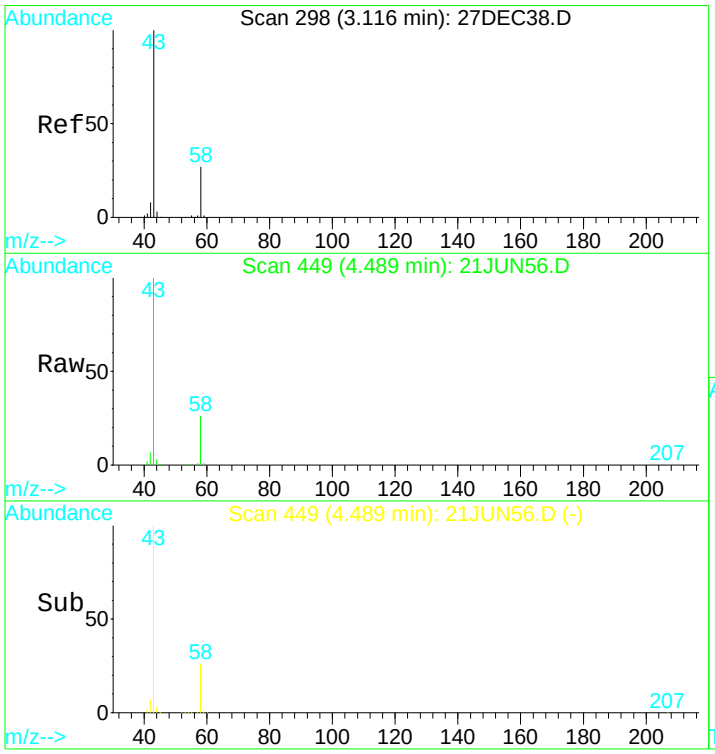


#6
isopropyl alcohol
Concen: 77.91 ug/L
RT: 4.69 min Scan# 488
Delta R.T. -0.01 min
Lab File: 21JUN56.D
Acq: 22 Jun 2023 3:56 am

Tgt Ion: 45 Resp: 19323

Ion	Ratio	Lower	Upper
45	100		
44	3.1	73.3	136.1#

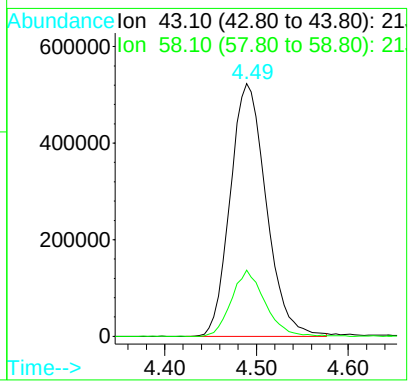


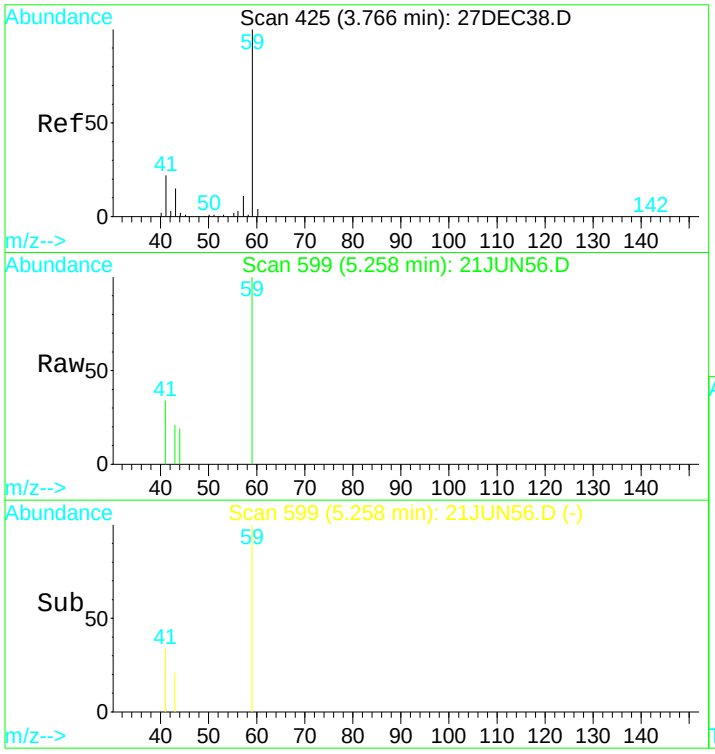


#8
acetone
Concen: 1061.77 ug/L
RT: 4.49 min Scan# 449
Delta R.T. -0.01 min
Lab File: 21JUN56.D
Acq: 22 Jun 2023 3:56 am

Tgt Ion: 43 Resp: 1429239

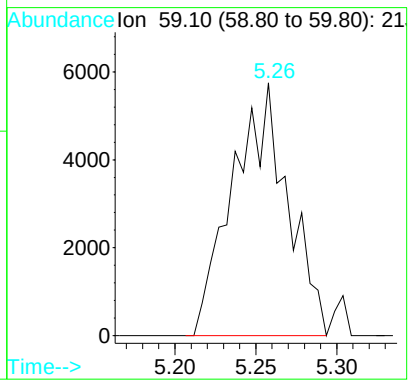
Ion	Ratio	Lower	Upper
43	100		
58	24.3	19.4	36.0

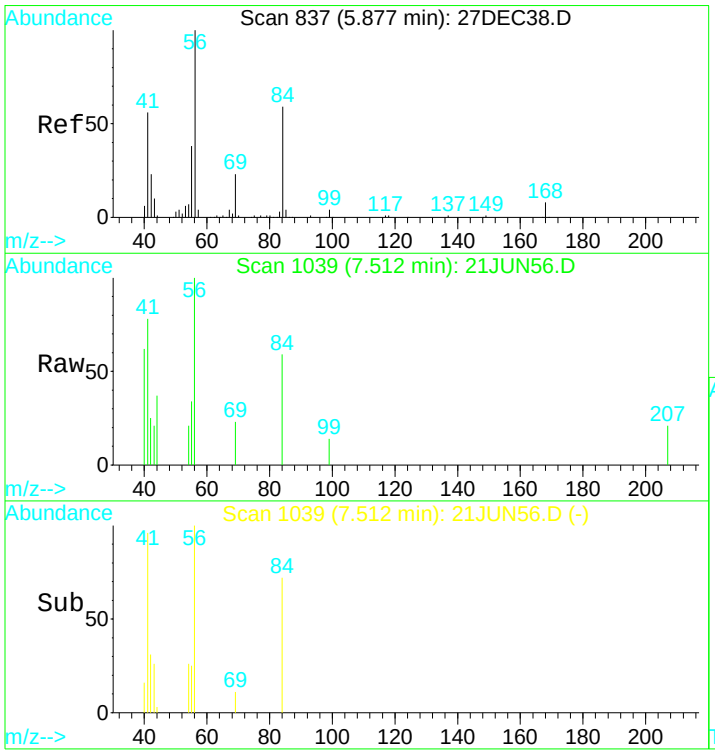




#9
tert-butyl alcohol (TBA)
Concen: 33.15 ug/L
RT: 5.26 min Scan# 599
Delta R.T. -0.01 min
Lab File: 21JUN56.D
Acq: 22 Jun 2023 3:56 am

Tgt Ion: 59 Resp: 13561

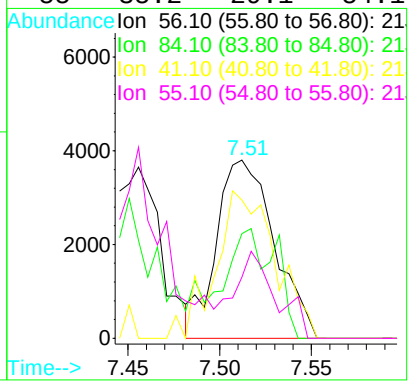


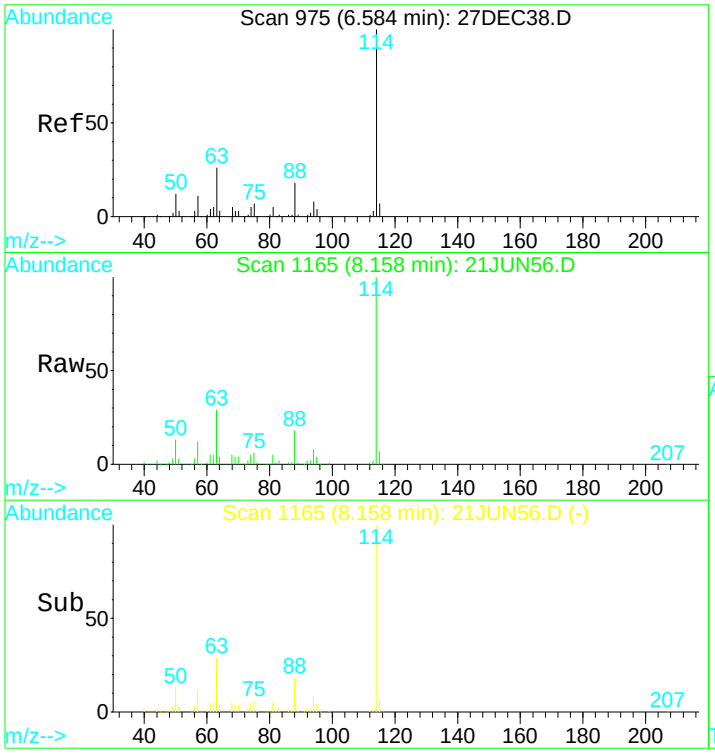


#27
Cyclohexane
Concen: 0.29 ug/L
RT: 7.51 min Scan# 1039
Delta R.T. -0.01 min
Lab File: 21JUN56.D
Acq: 22 Jun 2023 3:56 am

Tgt Ion: 56 Resp: 8377

Ion	Ratio	Lower	Upper
56	100		
84	51.8	49.0	91.0
41	85.4	44.8	83.2#
55	35.2	29.1	54.1

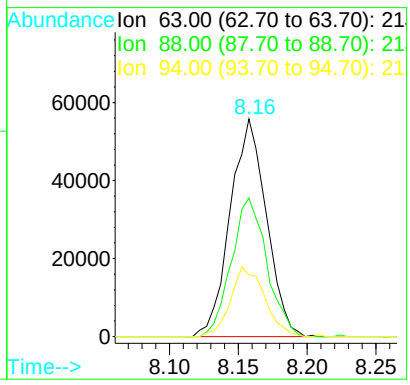


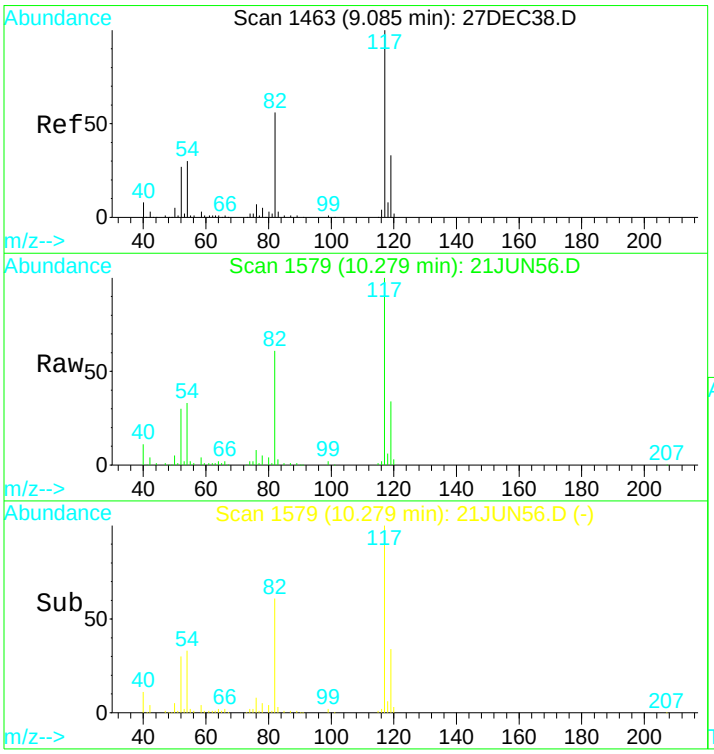


#29
1,4-Difluorobenzene IS#2
Concen: 10.00 ug/L
RT: 8.16 min Scan# 1165
Delta R.T. -0.00 min
Lab File: 21JUN56.D
Acq: 22 Jun 2023 3:56 am

Tgt Ion: 63 Resp: 102319

Ion	Ratio	Lower	Upper
63	100		
88	62.2	45.1	83.7
94	30.2	19.5	36.1

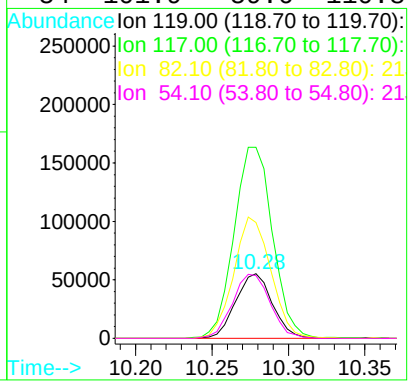




#36
Chlorobenzene d5 IS#3
Concen: 10.00 ug/L
RT: 10.28 min Scan# 1579
Delta R.T. -0.00 min
Lab File: 21JUN56.D
Acq: 22 Jun 2023 3:56 am

Tgt Ion:119 Resp: 91753

Ion	Ratio	Lower	Upper
119	100		
117	312.2	220.4	409.2
82	190.4	126.8	235.6
54	101.9	59.6	110.8



Quantitation Report (QT Reviewed)

Data File : D:\DATA\JUN2023C\JUN21\21JUN61.D Vial: 61
Acq On : 22 Jun 2023 5:57 am Operator: MGC
Sample : 2311827-08RE1 Inst : MS-V5
Misc : 5 ;10ML/50ML;pH<2 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jun 22 11:36 2023 Quant Results File: 82605C.RES

Quant Method : C:\HPCHEM\1...\82605C.M (RTE Integrator)
Title : EPA Method 8260C/D
Last Update : Thu Jun 22 11:15:56 2023
Response via : Initial Calibration
DataAcq Meth : 82605

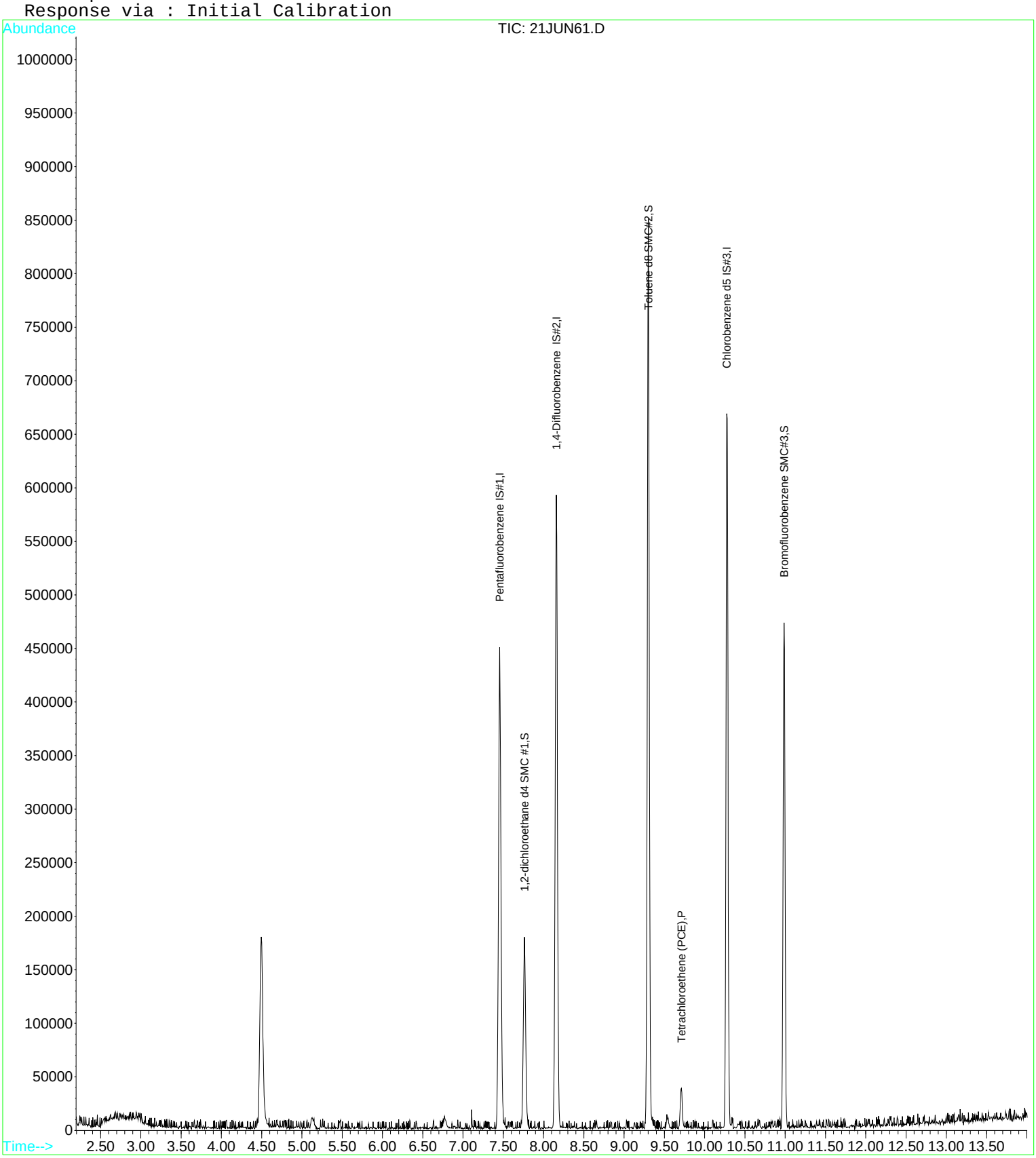
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene IS#1	7.46	137	55084	10.00	ug/L	0.00
26) 1,4-Difluorobenzene IS#2	8.16	63	123219	10.00	ug/L	0.00
41) Chlorobenzene d5 IS#3	10.28	119	112786	10.00	ug/L	0.00
System Monitoring Compounds						
23) 1,2-dichloroethane d4 SMC	7.76	65	146065	10.18	ug/L	0.00
Spiked Amount 10.000	Range 75 - 125		Recovery = 101.80%			
33) Toluene d8 SMC#2	9.30	98	494224	9.60	ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 96.00%			
51) Bromofluorobenzene SMC#3	10.99	95	151443	9.20	ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 92.00%			
Target Compounds						Qvalue
37) Tetrachloroethene (PCE)	9.71	166	11531	0.69	ug/L	92

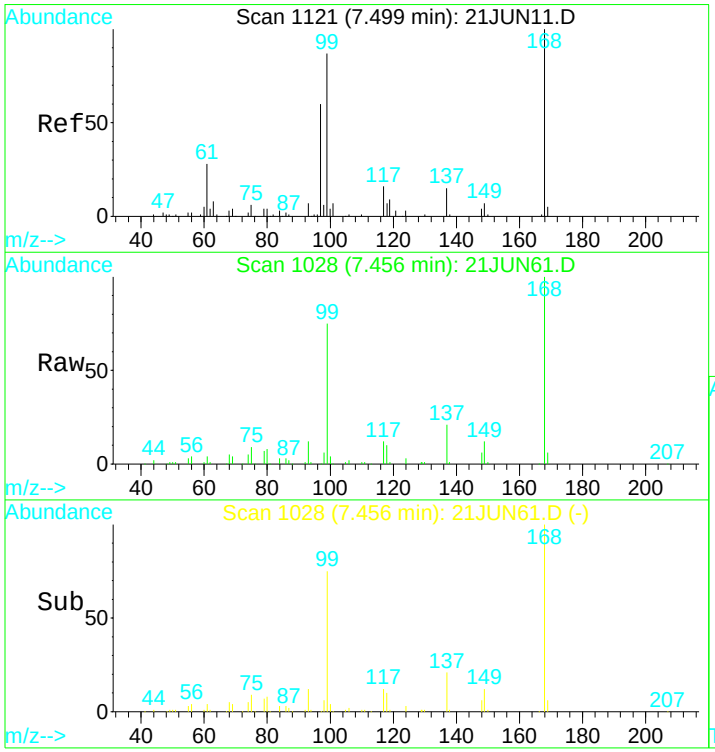
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : D:\DATA\JUN2023C\JUN21\21JUN61.D Vial: 61
Acq On : 22 Jun 2023 5:57 am Operator: MGC
Sample : 2311827-08RE1 Inst : MS-V5
Misc : 5 ;10ML/50ML;pH<2 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jun 22 11:36 2023 Quant Results File: 82605C.RES

Method : C:\HPCHEM\1\METHODS\C\202306\21-0902\82605C.M (RTE Integrator)
Title : EPA Method 8260C/D
Last Update : Thu Jun 22 11:15:56 2023
Response via : Initial Calibration

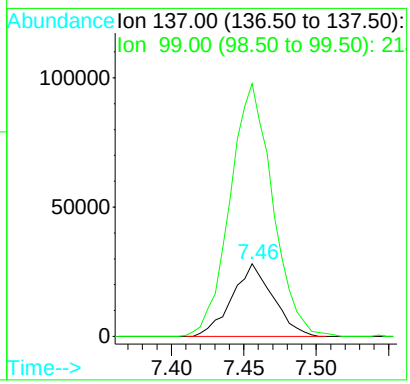


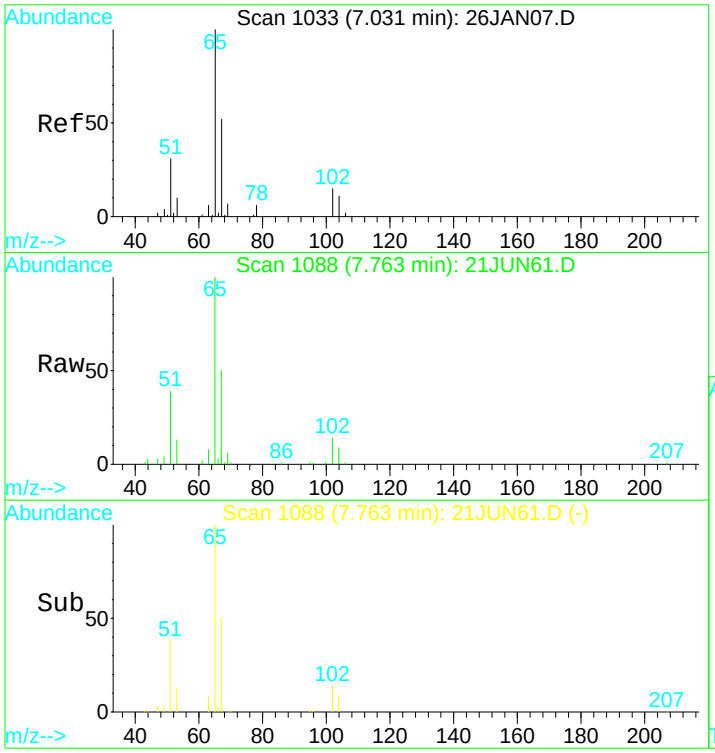


#1
Pentafluorobenzene IS#1
Concen: 10.00 ug/L
RT: 7.46 min Scan# 1028
Delta R.T. -0.00 min
Lab File: 21JUN61.D
Acq: 22 Jun 2023 5:57 am

Tgt Ion:137 Resp: 55084

Ion	Ratio	Lower	Upper
137	100		
99	363.6	1554.0	2886.0#

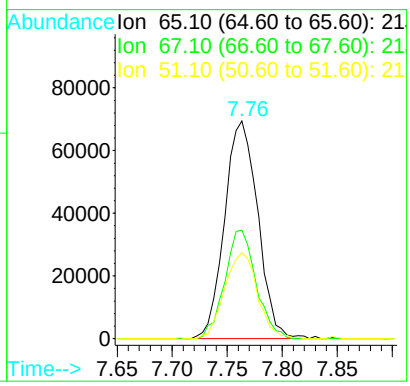


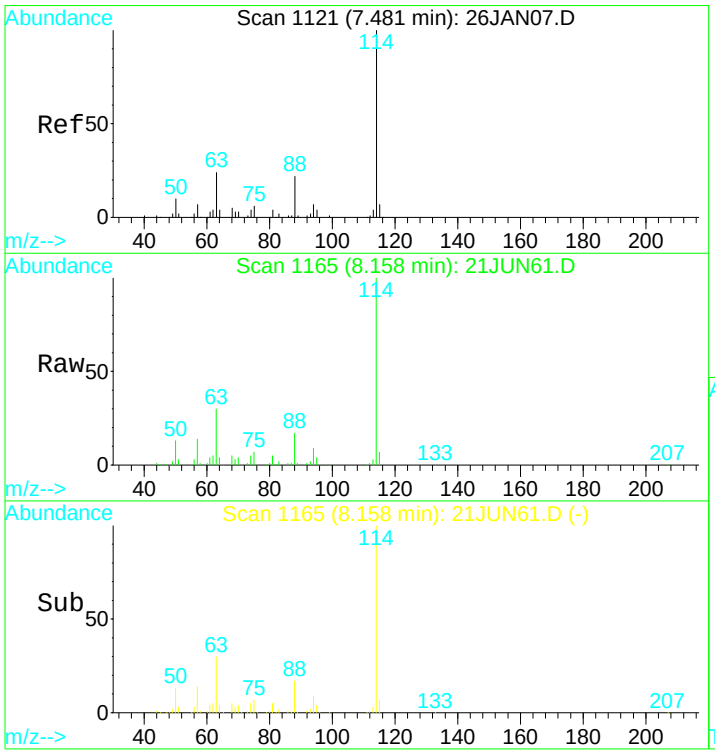


#23
1,2-dichloroethane d4 SMC #1
Concen: N.D. ug/L
RT: 7.76 min Scan# 1088
Delta R.T. -0.00 min
Lab File: 21JUN61.D
Acq: 22 Jun 2023 5:57 am

Tgt Ion: 65 Resp: 146065

Ion	Ratio	Lower	Upper
65	100		
67	46.9	33.0	61.2
51	39.0	440.4	817.8#

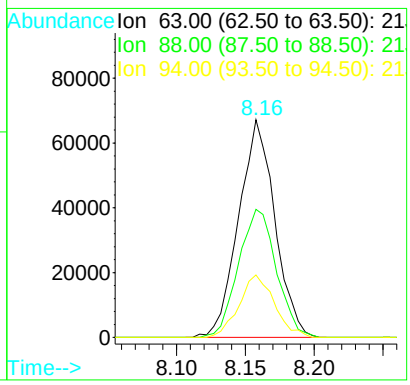


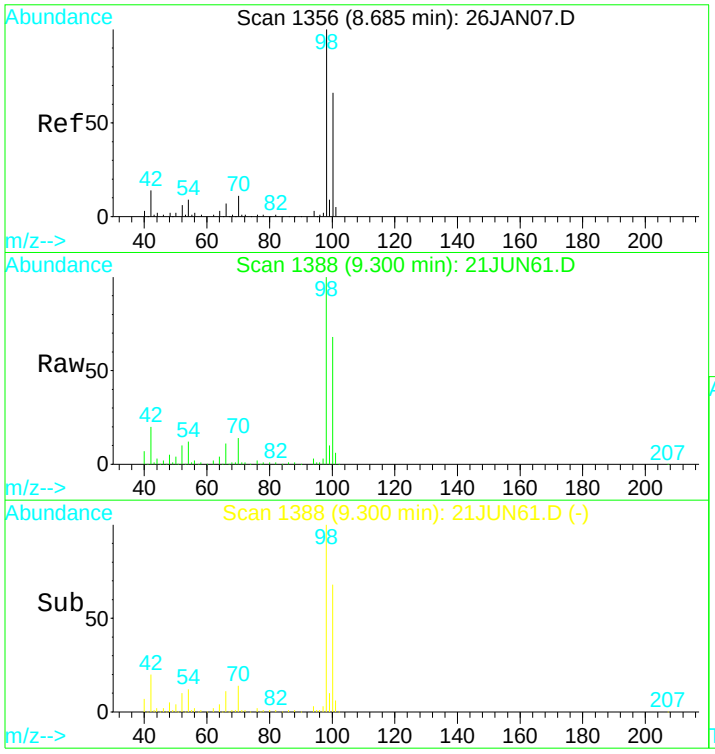


#26
1,4-Difluorobenzene IS#2
Concen: 10.00 ug/L
RT: 8.16 min Scan# 1165
Delta R.T. -0.00 min
Lab File: 21JUN61.D
Acq: 22 Jun 2023 5:57 am

Tgt Ion: 63 Resp: 123219

Ion	Ratio	Lower	Upper
63	100		
88	61.6	43.6	81.0
94	27.9	20.2	37.4

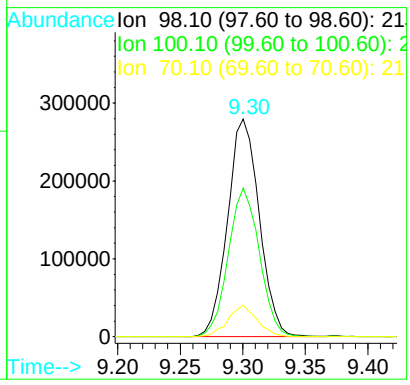


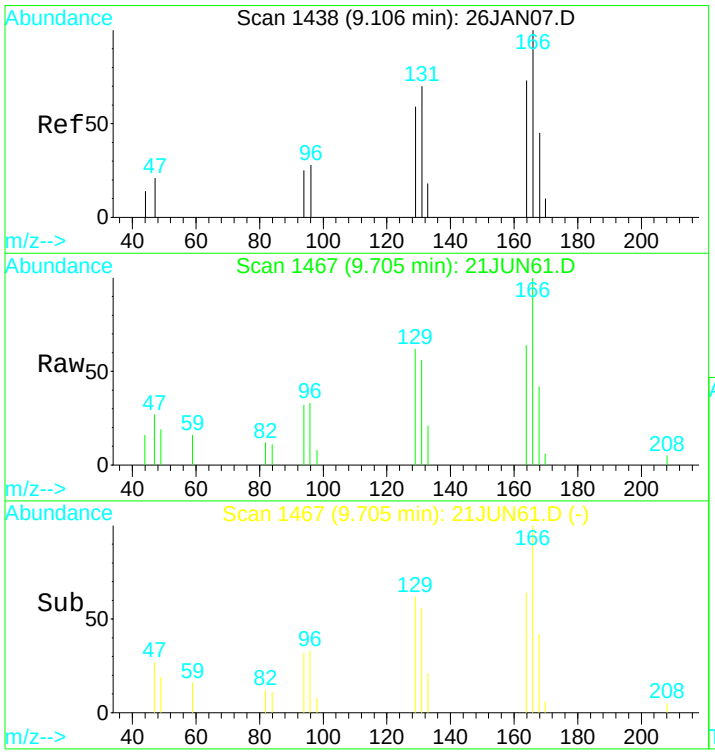


#33
Toluene d8 SMC#2
Concen: Below ug/L
RT: 9.30 min Scan# 1388
Delta R.T. 0.01 min
Lab File: 21JUN61.D
Acq: 22 Jun 2023 5:57 am

Tgt Ion: 98 Resp: 494224

Ion	Ratio	Lower	Upper
98	100		
100	66.8	46.8	87.0
70	13.1	9.0	16.6

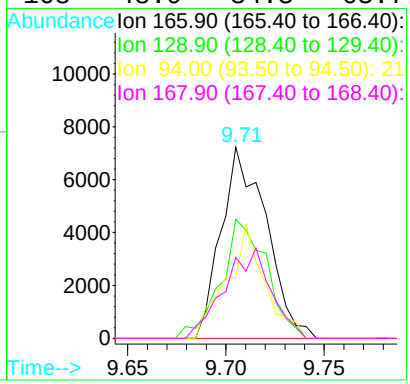


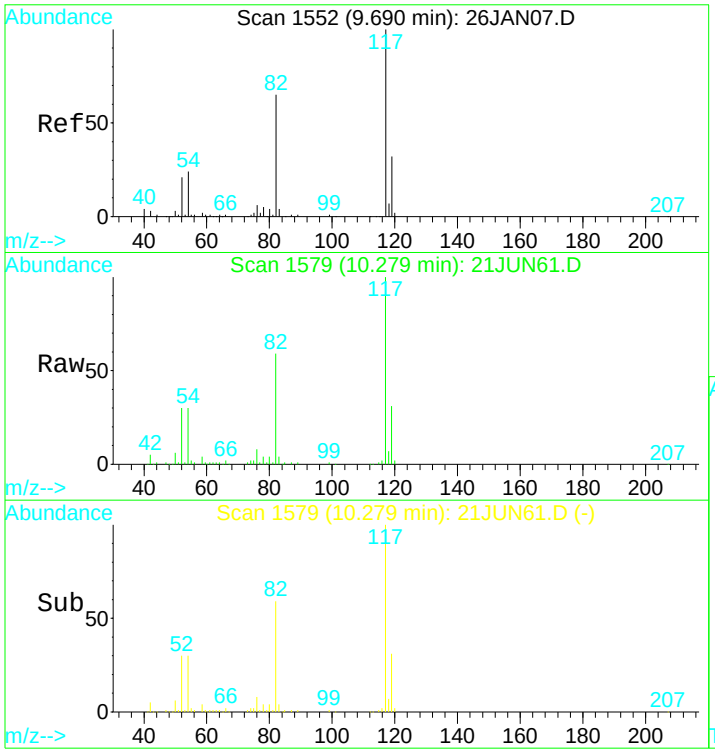


#37
Tetrachloroethene (PCE)
Concen: 0.69 ug/L
RT: 9.71 min Scan# 1467
Delta R.T. -0.01 min
Lab File: 21JUN61.D
Acq: 22 Jun 2023 5:57 am

Tgt Ion:166 Resp: 11531

Ion	Ratio	Lower	Upper
166	100		
129	61.3	51.4	95.4
94	50.3	39.2	72.8
168	48.9	34.3	63.7

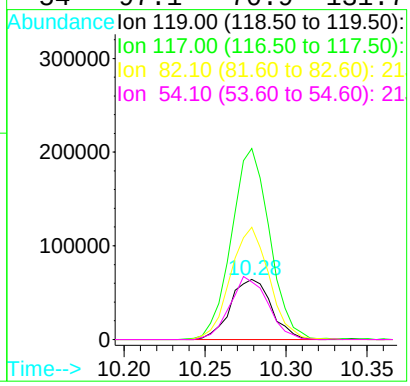


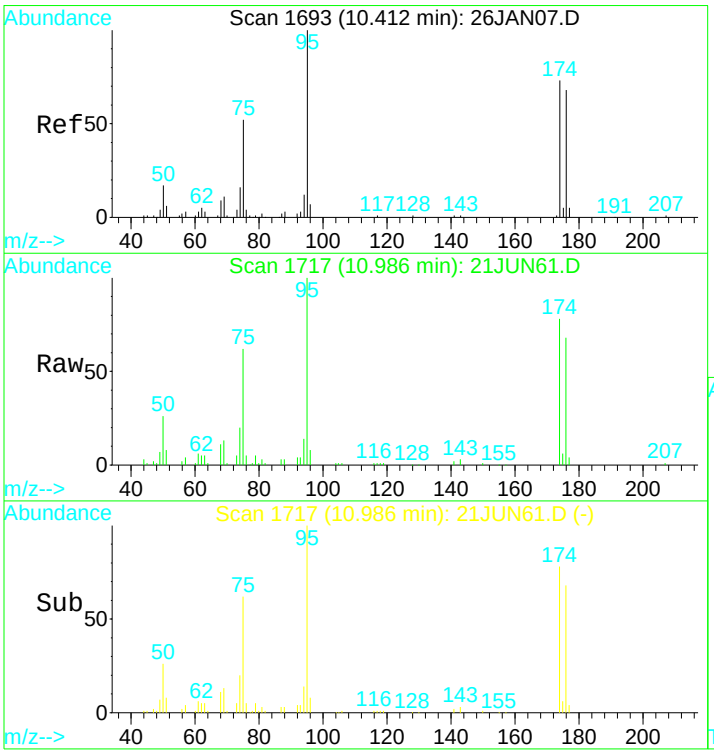


#41
Chlorobenzene d5 IS#3
Concen: 10.00 ug/L
RT: 10.28 min Scan# 1579
Delta R.T. -0.00 min
Lab File: 21JUN61.D
Acq: 22 Jun 2023 5:57 am

Tgt Ion:119 Resp: 112786

Ion	Ratio	Lower	Upper
119	100		
117	298.3	216.7	402.4
82	176.8	131.1	243.5
54	97.1	70.9	131.7

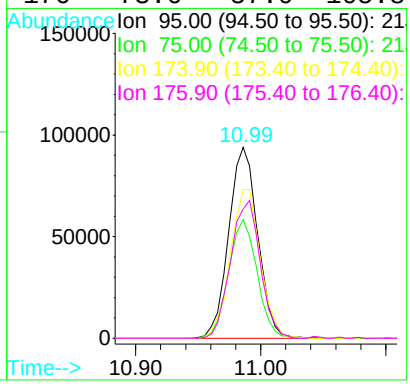




#51
Bromofluorobenzene SMC#3
Concen: N.D. ug/L
RT: 10.99 min Scan# 1717
Delta R.T. -0.00 min
Lab File: 21JUN61.D
Acq: 22 Jun 2023 5:57 am

Tgt Ion: 95 Resp: 151443

Ion	Ratio	Lower	Upper
95	100		
75	61.2	40.3	74.9
174	80.7	58.4	108.6
176	73.6	57.0	105.8



Quantitation Report (QT Reviewed)

Data File : D:\DATA\JUN2023C\JUN21\21JUN61.D Vial: 61
Acq On : 22 Jun 2023 5:57 am Operator: MGC
Sample : 2311827-08RE1 Inst : MS-V5
Misc : 5 ;10ML/50ML;pH<2 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jun 22 11:53 2023 Quant Results File: 82605CX.RES

Quant Method : C:\HPCHEM\1...\82605CX.M (RTE Integrator)
Title : EPA Method 8260C/DX
Last Update : Thu Jun 22 04:57:10 2023
Response via : Initial Calibration
DataAcq Meth : 82605

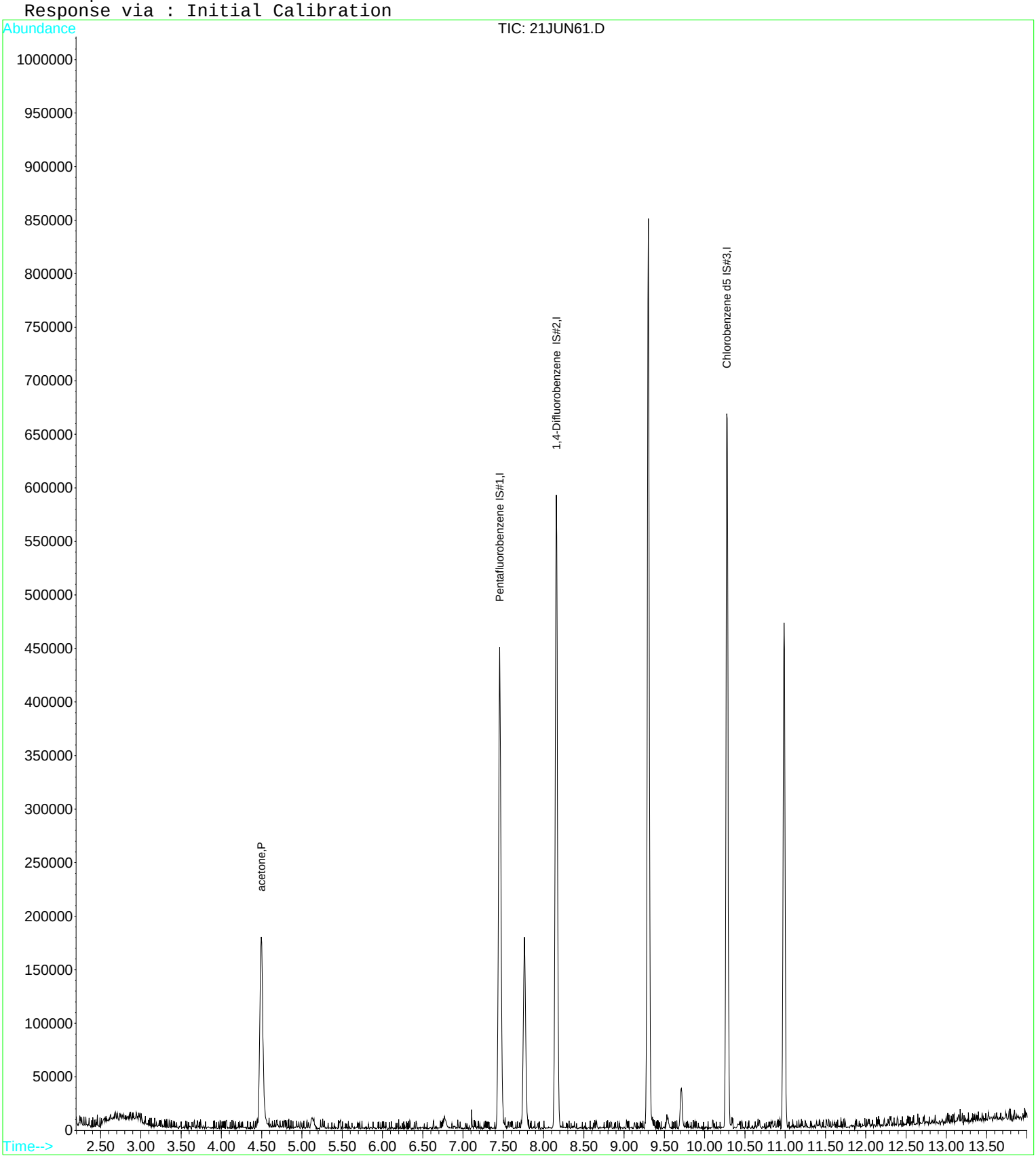
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene IS#1	7.46	137	55084	10.00	ug/L	0.00
29) 1,4-Difluorobenzene IS#2	8.16	63	123219	10.00	ug/L	0.00
36) Chlorobenzene d5 IS#3	10.28	119	112786	10.00	ug/L	0.00
Target Compounds						Qvalue
8) acetone	4.50	43	344851	218.62	ug/L	91

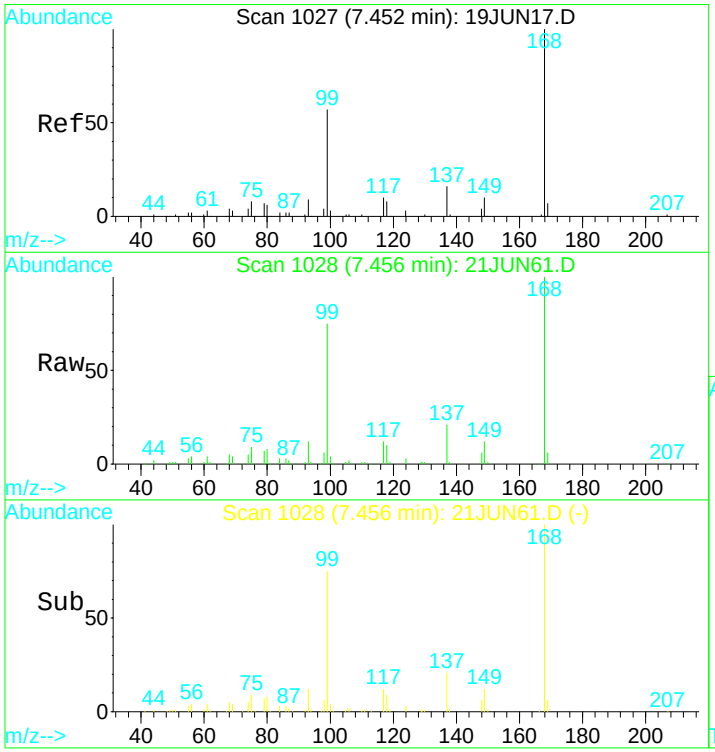
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : D:\DATA\JUN2023C\JUN21\21JUN61.D Vial: 61
Acq On : 22 Jun 2023 5:57 am Operator: MGC
Sample : 2311827-08RE1 Inst : MS-V5
Misc : 5 ;10ML/50ML;pH<2 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jun 22 11:53 2023 Quant Results File: 82605CX.RES

Method : C:\HPCHEM\1\METHODS\C\202306\19-1901\82605CX.M (RTE Integrator)
Title : EPA Method 8260C/DX
Last Update : Thu Jun 22 04:57:10 2023
Response via : Initial Calibration

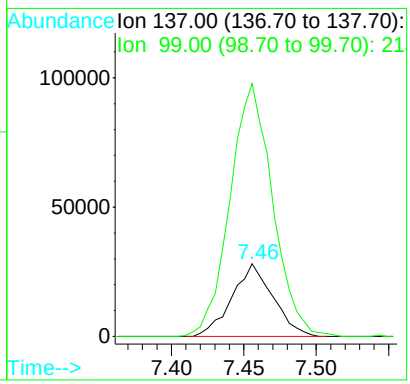


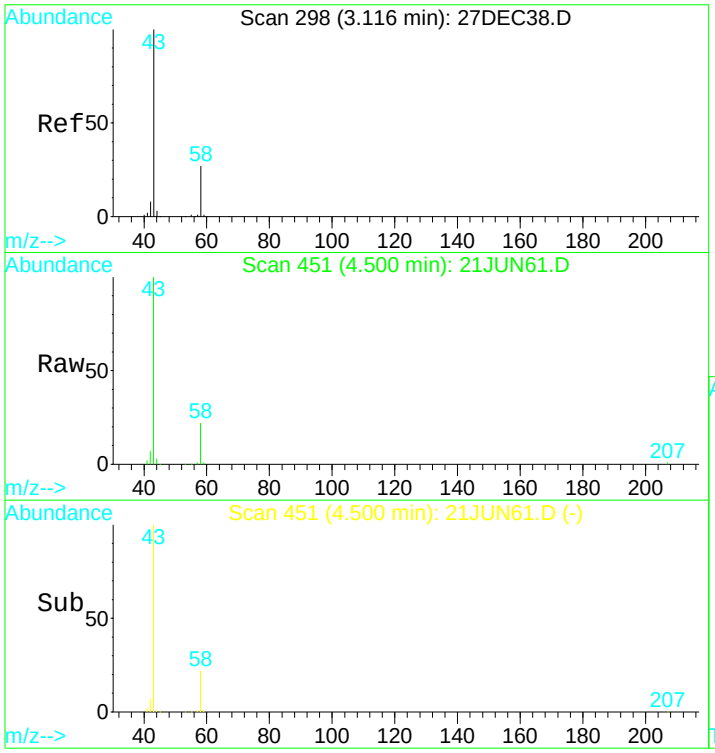


#1
Pentafluorobenzene IS#1
Concen: 10.00 ug/L
RT: 7.46 min Scan# 1028
Delta R.T. 0.00 min
Lab File: 21JUN61.D
Acq: 22 Jun 2023 5:57 am

Tgt Ion:137 Resp: 55084

Ion	Ratio	Lower	Upper
137	100		
99	363.6	248.4	461.4

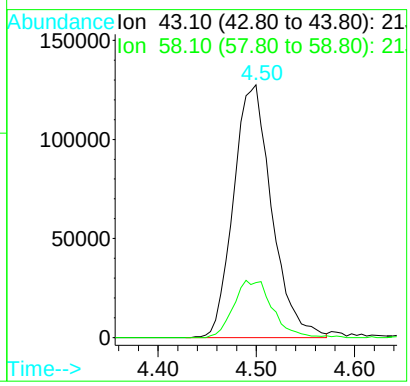


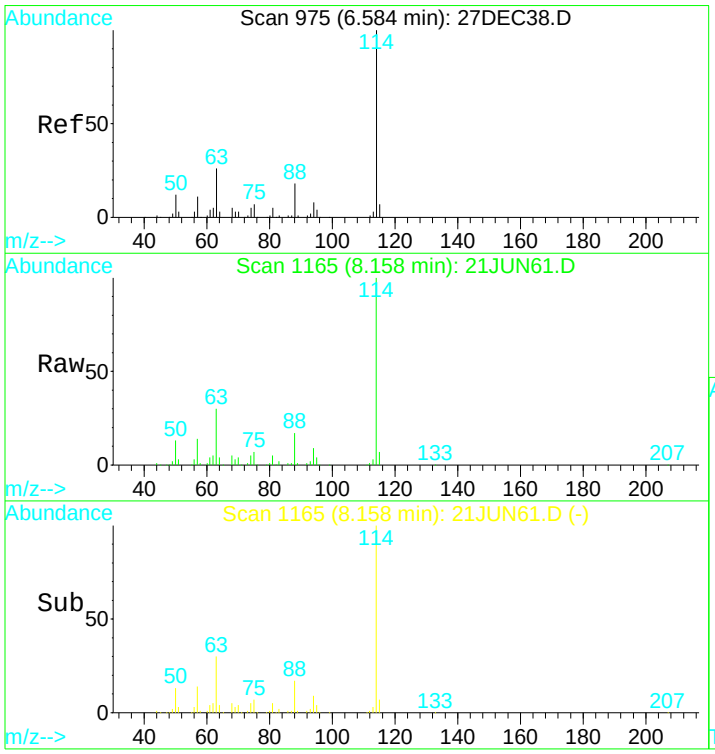


#8
acetone
Concen: 218.62 ug/L
RT: 4.50 min Scan# 451
Delta R.T. 0.00 min
Lab File: 21JUN61.D
Acq: 22 Jun 2023 5:57 am

Tgt Ion: 43 Resp: 344851

Ion	Ratio	Lower	Upper
43	100		
58	23.0	19.4	36.0

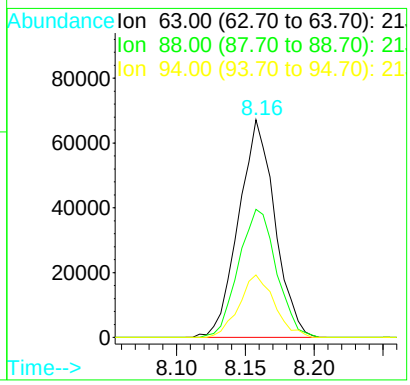


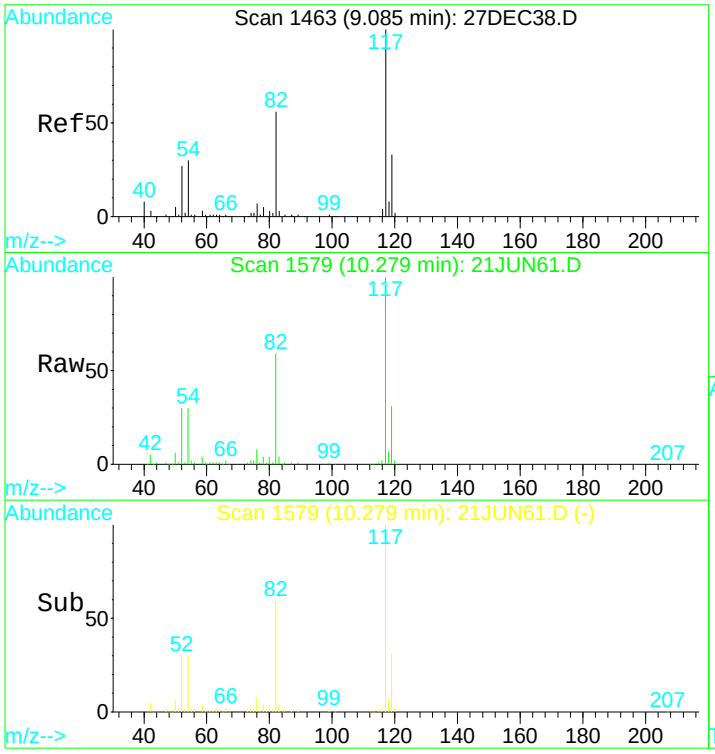


#29
1,4-Difluorobenzene IS#2
Concen: 10.00 ug/L
RT: 8.16 min Scan# 1165
Delta R.T. -0.00 min
Lab File: 21JUN61.D
Acq: 22 Jun 2023 5:57 am

Tgt Ion: 63 Resp: 123219

Ion	Ratio	Lower	Upper
63	100		
88	61.6	45.1	83.7
94	27.9	19.5	36.1

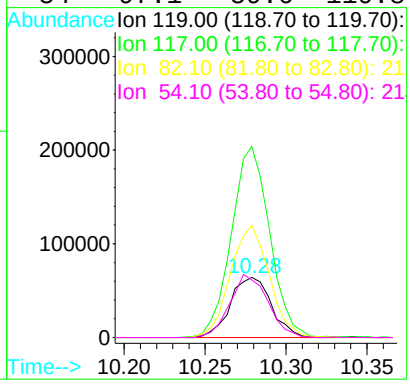




#36
Chlorobenzene d5 IS#3
Concen: 10.00 ug/L
RT: 10.28 min Scan# 1579
Delta R.T. -0.00 min
Lab File: 21JUN61.D
Acq: 22 Jun 2023 5:57 am

Tgt Ion:119 Resp: 112786

Ion	Ratio	Lower	Upper
119	100		
117	298.3	220.4	409.2
82	176.8	126.8	235.6
54	97.1	59.6	110.8



Quantitation Report (QT Reviewed)

Data File : D:\DATA\JUN2023C\JUN21\21JUN57.D Vial: 57
Acq On : 22 Jun 2023 4:20 am Operator: MGC
Sample : 2311827-09 Inst : MS-V5
Misc : 1 ;25ML;pH<2 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jun 22 11:35 2023 Quant Results File: 82605C.RES

Quant Method : C:\HPCHEM\1...\82605C.M (RTE Integrator)
Title : EPA Method 8260C/D
Last Update : Thu Jun 22 11:15:56 2023
Response via : Initial Calibration
DataAcq Meth : 82605

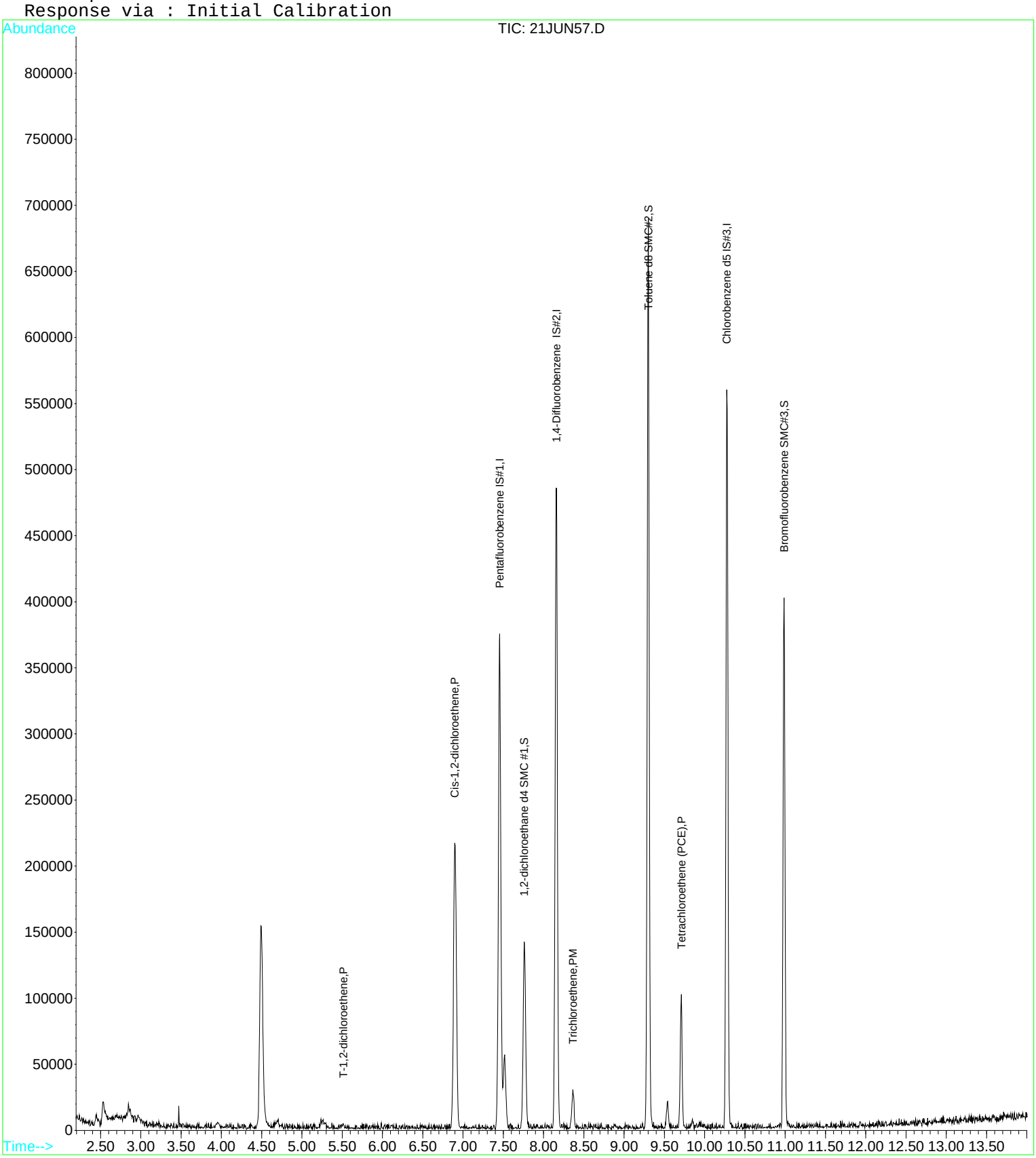
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene IS#1	7.45	137	46317	10.00	ug/L	0.00
26) 1,4-Difluorobenzene IS#2	8.16	63	102687	10.00	ug/L	0.00
41) Chlorobenzene d5 IS#3	10.28	119	91220	10.00	ug/L	0.00
System Monitoring Compounds						
23) 1,2-dichloroethane d4 SMC	7.76	65	123473	10.24	ug/L	0.00
Spiked Amount 10.000	Range 75 - 125		Recovery = 102.40%			
33) Toluene d8 SMC#2	9.30	98	415182	9.67	ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 96.70%			
51) Bromofluorobenzene SMC#3	10.99	95	129657	9.74	ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 97.40%			
Target Compounds						Qvalue
14) T-1,2-dichloroethene	5.52	96	939	0.07	ug/L #	44
17) Cis-1,2-dichloroethene	6.90	96	106534	7.76	ug/L	88
27) Trichloroethene	8.36	130	7706	0.53	ug/L	91
37) Tetrachloroethene (PCE)	9.71	166	25907	1.86	ug/L	96

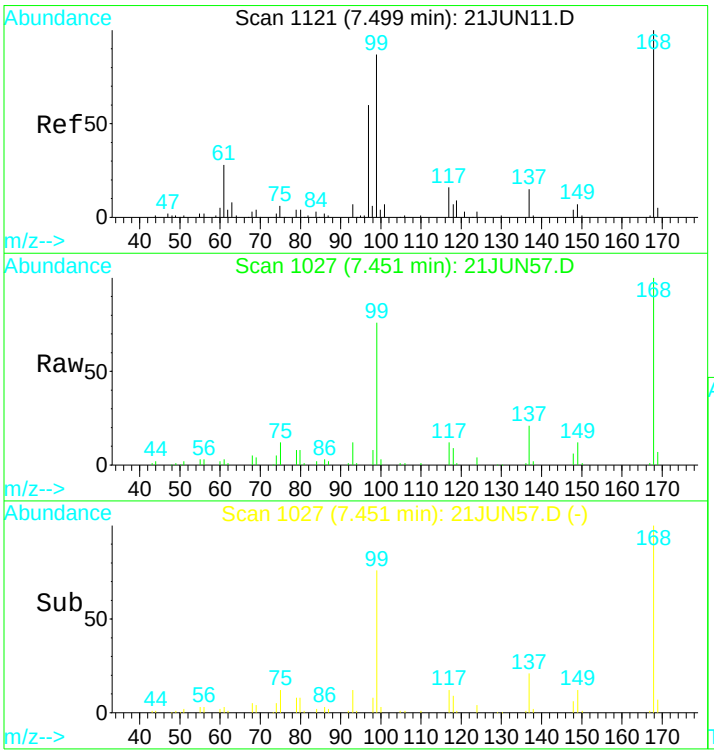
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : D:\DATA\JUN2023C\JUN21\21JUN57.D Vial: 57
Acq On : 22 Jun 2023 4:20 am Operator: MGC
Sample : 2311827-09 Inst : MS-V5
Misc : 1 ;25ML;pH<2 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jun 22 11:35 2023 Quant Results File: 82605C.RES

Method : C:\HPCHEM\1\METHODS\C\202306\21-0902\82605C.M (RTE Integrator)
Title : EPA Method 8260C/D
Last Update : Thu Jun 22 11:15:56 2023
Response via : Initial Calibration

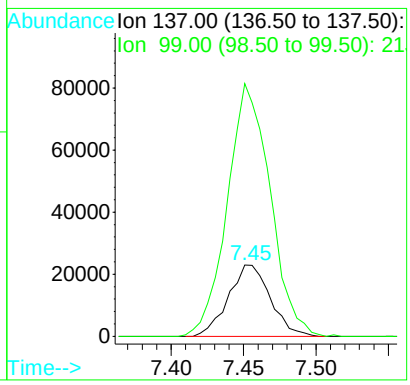


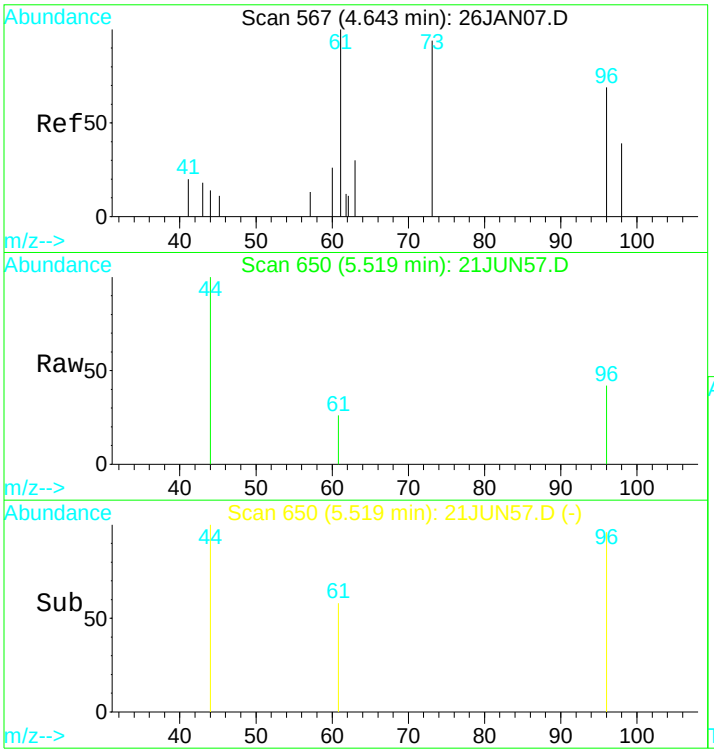


#1
Pentafluorobenzene IS#1
Concen: 10.00 ug/L
RT: 7.45 min Scan# 1027
Delta R.T. -0.01 min
Lab File: 21JUN57.D
Acq: 22 Jun 2023 4:20 am

Tgt Ion:137 Resp: 46317

Ion	Ratio	Lower	Upper
137	100		
99	361.6	1554.0	2886.0#

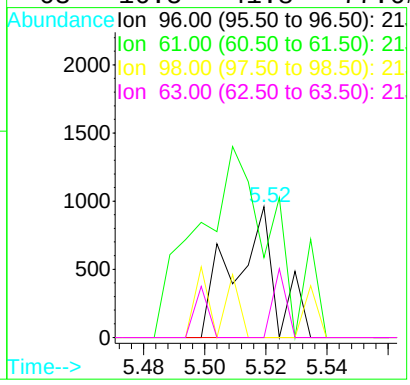


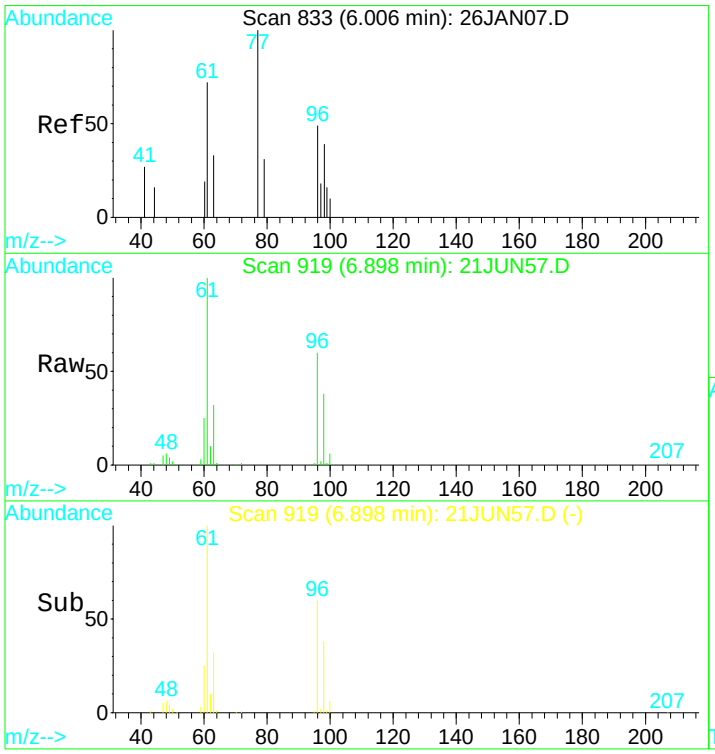


#14
T-1,2-dichloroethene
Concen: 0.07 ug/L
RT: 5.52 min Scan# 650
Delta R.T. 0.00 min
Lab File: 21JUN57.D
Acq: 22 Jun 2023 4:20 am

Tgt Ion: 96 Resp: 939

Ion	Ratio	Lower	Upper
96	100		
61	256.1	127.5	236.9#
98	12.5	46.1	85.5#
63	16.5	41.8	77.6#

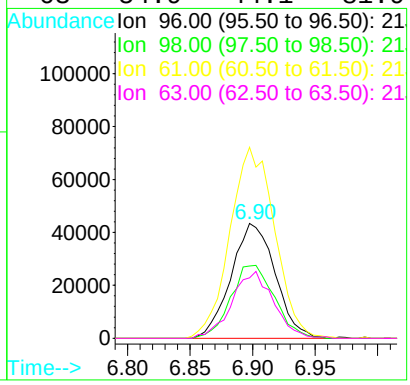


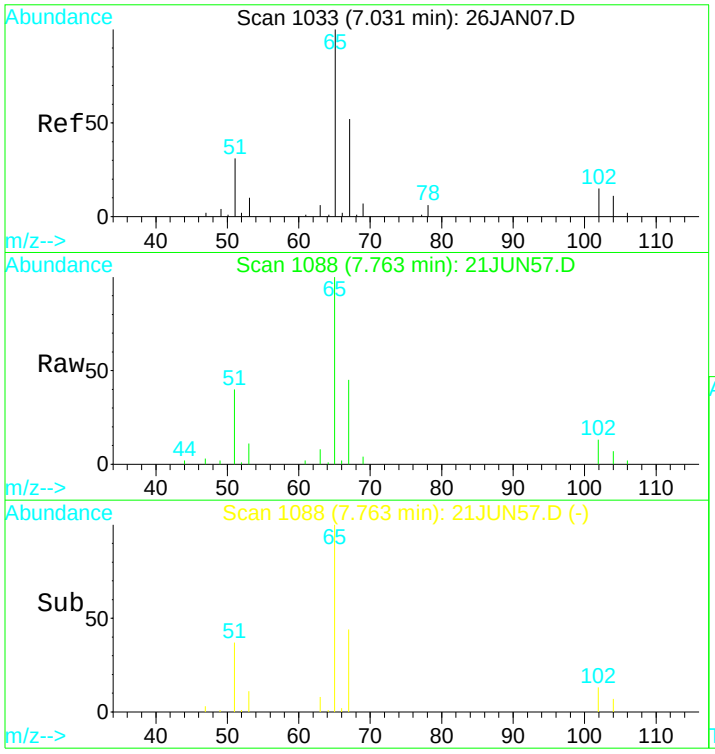


#17
Cis-1,2-dichloroethene
Concen: 7.76 ug/L
RT: 6.90 min Scan# 919
Delta R.T. -0.01 min
Lab File: 21JUN57.D
Acq: 22 Jun 2023 4:20 am

Tgt Ion: 96 Resp: 106534

Ion	Ratio	Lower	Upper
96	100		
98	62.9	45.4	84.2
61	168.7	134.1	249.1
63	54.9	44.1	81.9

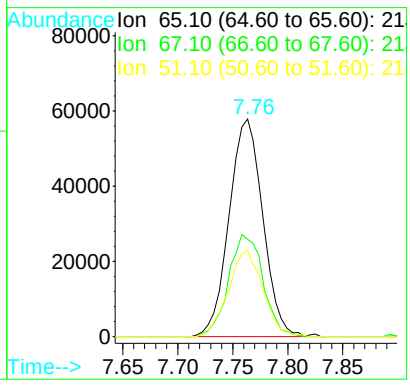


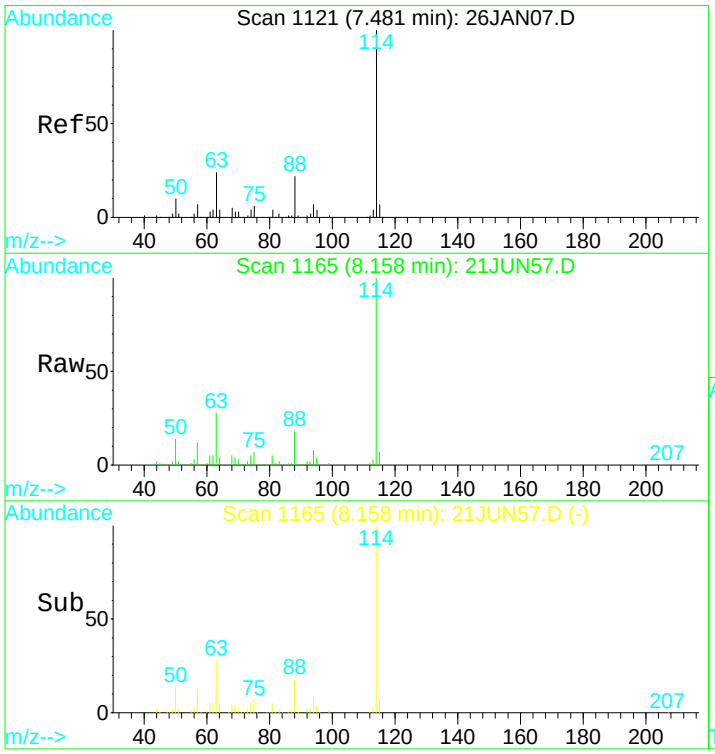


#23
1,2-dichloroethane d4 SMC #1
Concen: N.D. ug/L
RT: 7.76 min Scan# 1088
Delta R.T. -0.00 min
Lab File: 21JUN57.D
Acq: 22 Jun 2023 4:20 am

Tgt Ion: 65 Resp: 123473

Ion	Ratio	Lower	Upper
65	100		
67	47.8	33.0	61.2
51	40.8	440.4	817.8#

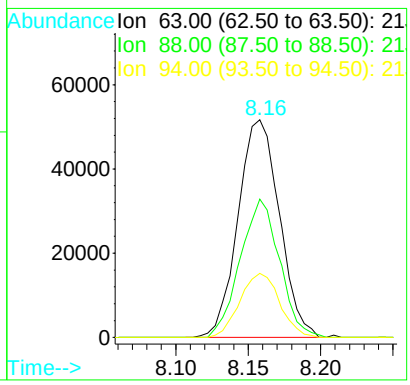


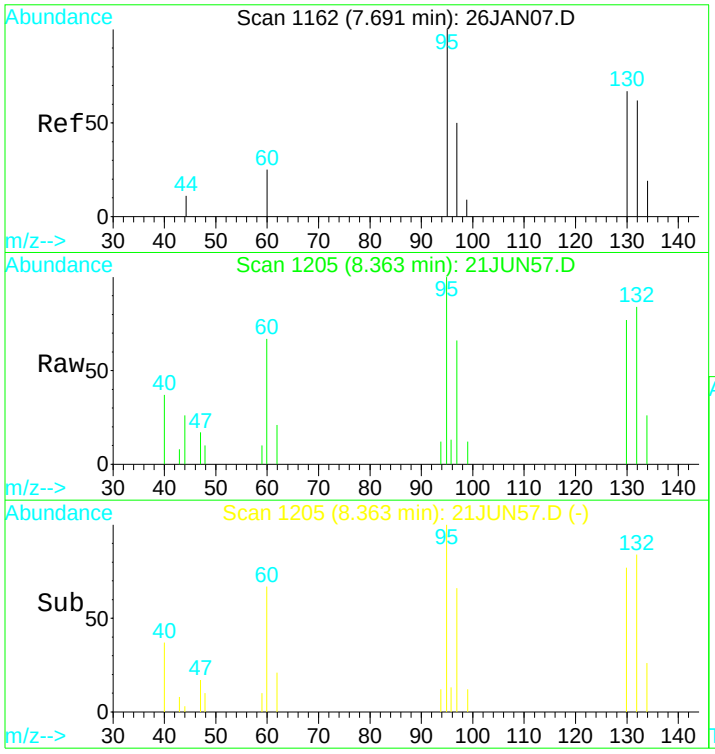


#26
1,4-Difluorobenzene IS#2
Concen: 10.00 ug/L
RT: 8.16 min Scan# 1165
Delta R.T. -0.00 min
Lab File: 21JUN57.D
Acq: 22 Jun 2023 4:20 am

Tgt Ion: 63 Resp: 102687

Ion	Ratio	Lower	Upper
63	100		
88	60.3	43.6	81.0
94	28.2	20.2	37.4

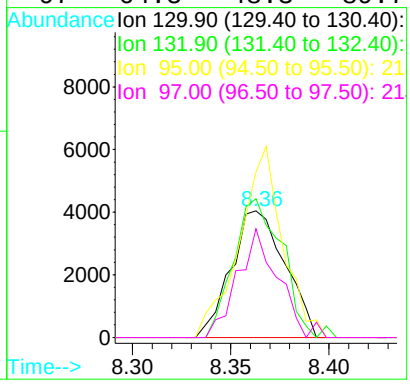


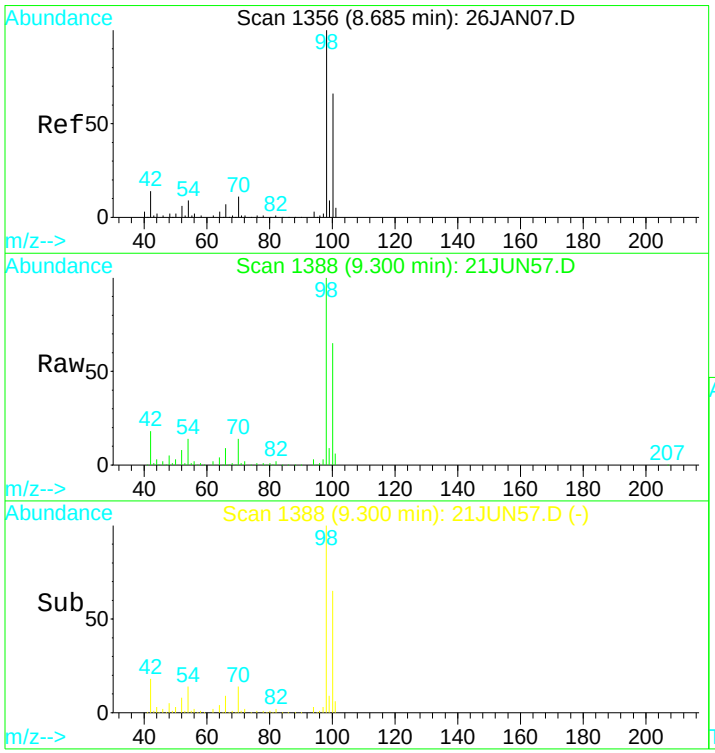


#27
Trichloroethene
Concen: 0.53 ug/L
RT: 8.36 min Scan# 1205
Delta R.T. -0.01 min
Lab File: 21JUN57.D
Acq: 22 Jun 2023 4:20 am

Tgt Ion:130 Resp: 7706

Ion	Ratio	Lower	Upper
130	100		
132	99.0	67.1	124.7
95	123.5	74.7	138.7
97	64.5	48.3	89.7

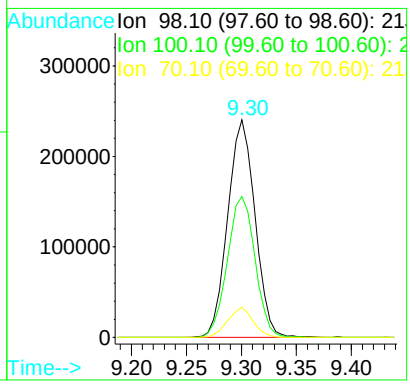


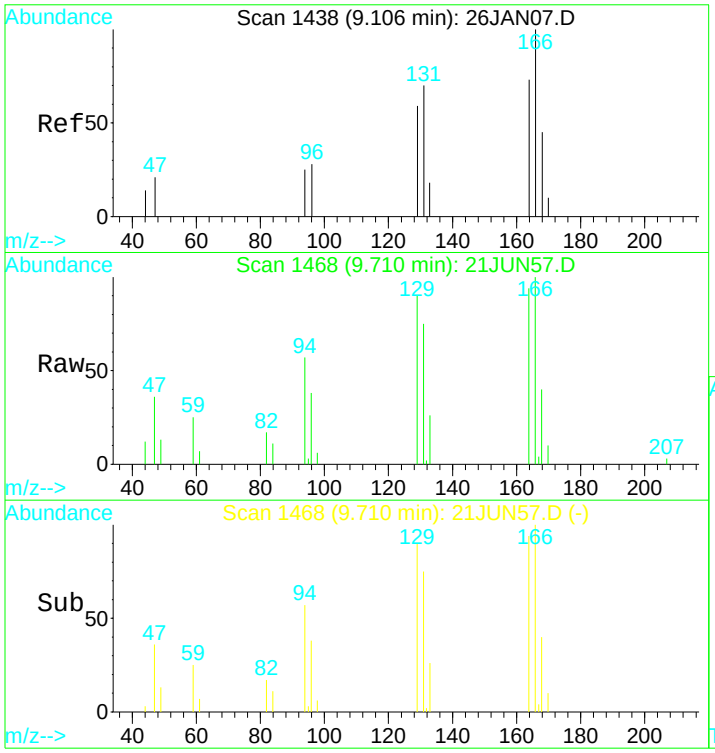


#33
Toluene d8 SMC#2
Concen: N.D. ug/L
RT: 9.30 min Scan# 1388
Delta R.T. 0.01 min
Lab File: 21JUN57.D
Acq: 22 Jun 2023 4:20 am

Tgt Ion: 98 Resp: 415182

Ion	Ratio	Lower	Upper
98	100		
100	65.5	46.8	87.0
70	12.8	9.0	16.6

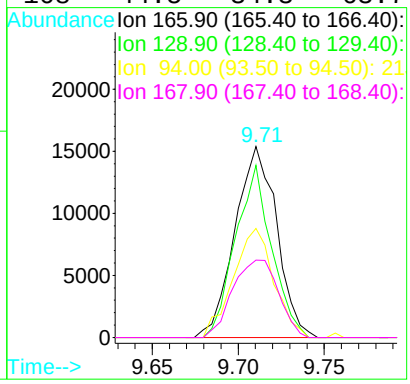


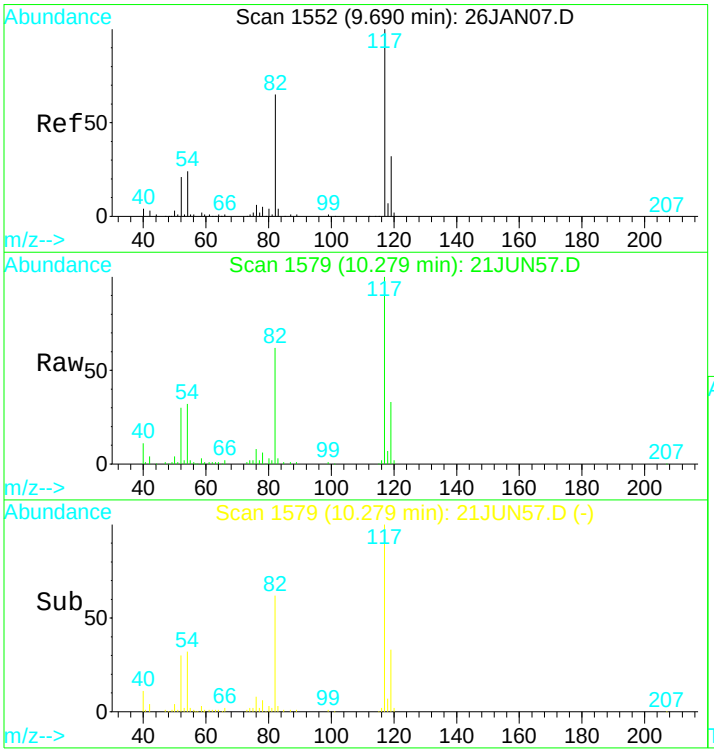


#37
Tetrachloroethene (PCE)
Concen: 1.86 ug/L
RT: 9.71 min Scan# 1468
Delta R.T. -0.00 min
Lab File: 21JUN57.D
Acq: 22 Jun 2023 4:20 am

Tgt Ion:166 Resp: 25907

Ion	Ratio	Lower	Upper
166	100		
129	78.0	51.4	95.4
94	55.5	39.2	72.8
168	44.5	34.3	63.7

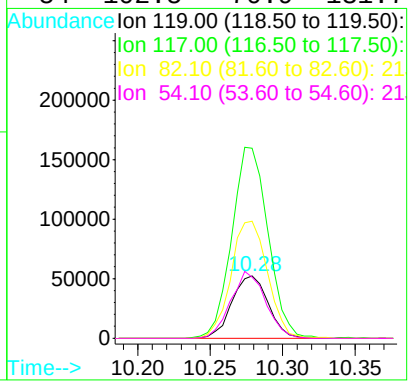


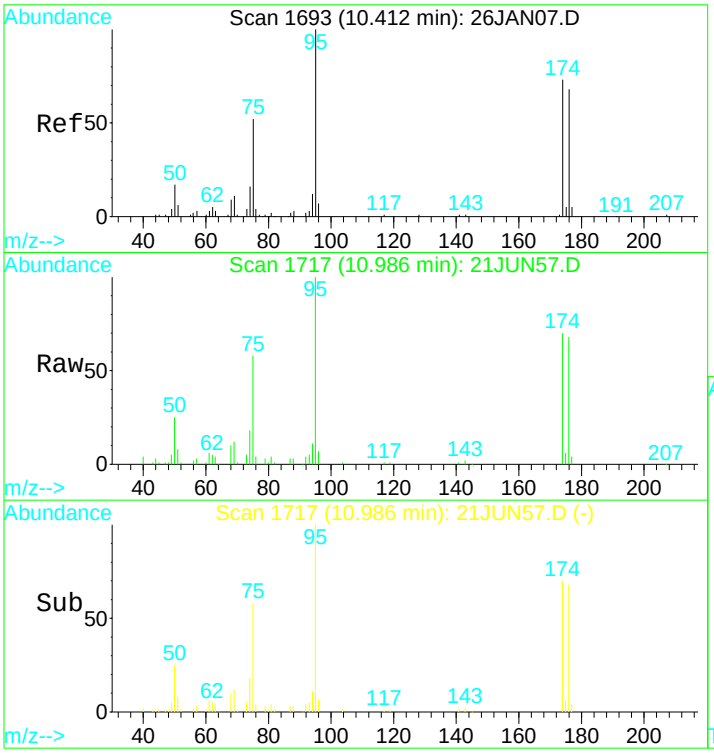


#41
Chlorobenzene d5 IS#3
Concen: 10.00 ug/L
RT: 10.28 min Scan# 1579
Delta R.T. -0.00 min
Lab File: 21JUN57.D
Acq: 22 Jun 2023 4:20 am

Tgt Ion:119 Resp: 91220

Ion	Ratio	Lower	Upper
119	100		
117	305.4	216.7	402.4
82	189.2	131.1	243.5
54	102.5	70.9	131.7

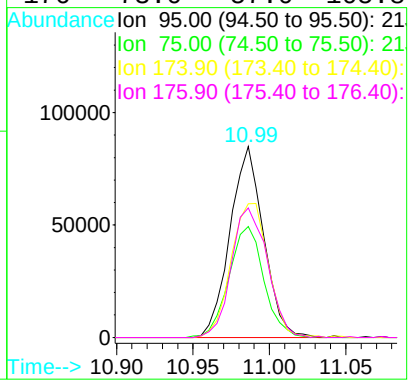




#51
Bromofluorobenzene SMC#3
Concen: N.D. ug/L
RT: 10.99 min Scan# 1717
Delta R.T. -0.00 min
Lab File: 21JUN57.D
Acq: 22 Jun 2023 4:20 am

Tgt Ion: 95 Resp: 129657

Ion	Ratio	Lower	Upper
95	100		
75	60.3	40.3	74.9
174	77.4	58.4	108.6
176	73.0	57.0	105.8



Quantitation Report (QT Reviewed)

Data File : D:\DATA\JUN2023C\JUN21\21JUN57.D Vial: 57
Acq On : 22 Jun 2023 4:20 am Operator: MGC
Sample : 2311827-09 Inst : MS-V5
Misc : 1 ;25ML;pH<2 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jun 22 11:50 2023 Quant Results File: 82605CX.RES

Quant Method : C:\HPCHEM\1...\82605CX.M (RTE Integrator)
Title : EPA Method 8260C/DX
Last Update : Thu Jun 22 04:57:10 2023
Response via : Initial Calibration
DataAcq Meth : 82605

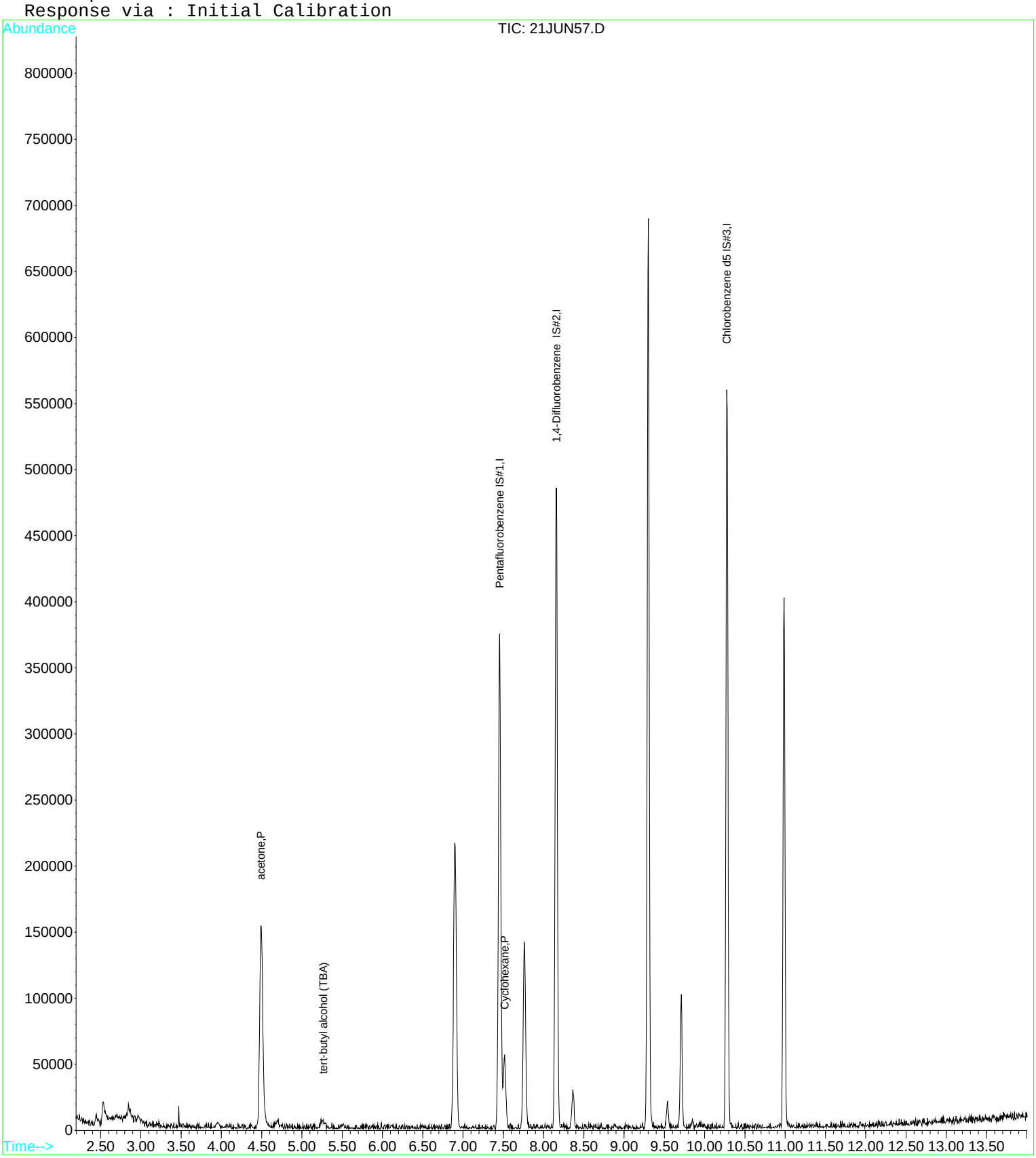
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene IS#1	7.45	137	46317	10.00	ug/L	0.00
29) 1,4-Difluorobenzene IS#2	8.16	63	102687	10.00	ug/L	0.00
36) Chlorobenzene d5 IS#3	10.28	119	91220	10.00	ug/L	0.00
Target Compounds						Qvalue
8) acetone	4.49	43	300563	226.61	ug/L	92
9) tert-butyl alcohol (TBA)	5.26	59	8500	21.09	ug/L	100
27) Cyclohexane	7.51	56	30177	1.05	ug/L	93

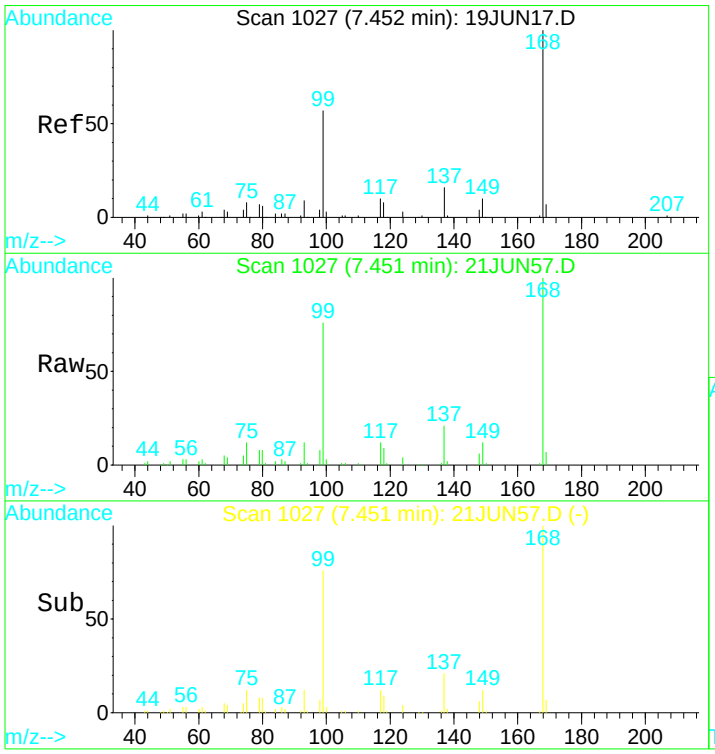
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : D:\DATA\JUN2023C\JUN21\21JUN57.D Vial: 57
Acq On : 22 Jun 2023 4:20 am Operator: MGC
Sample : 2311827-09 Inst : MS-V5
Misc : 1 ;25ML;pH<2 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jun 22 11:50 2023 Quant Results File: 82605CX.RES

Method : C:\HPCHEM\1\METHODS\C\202306\19-1901\82605CX.M (RTE Integrator)
Title : EPA Method 8260C/DX
Last Update : Thu Jun 22 04:57:10 2023
Response via : Initial Calibration

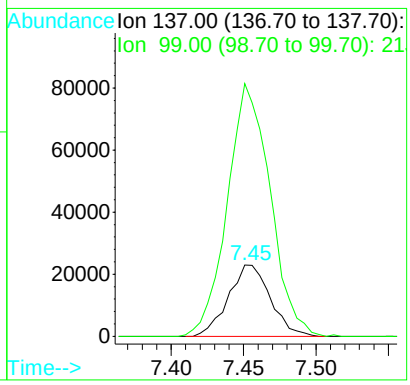


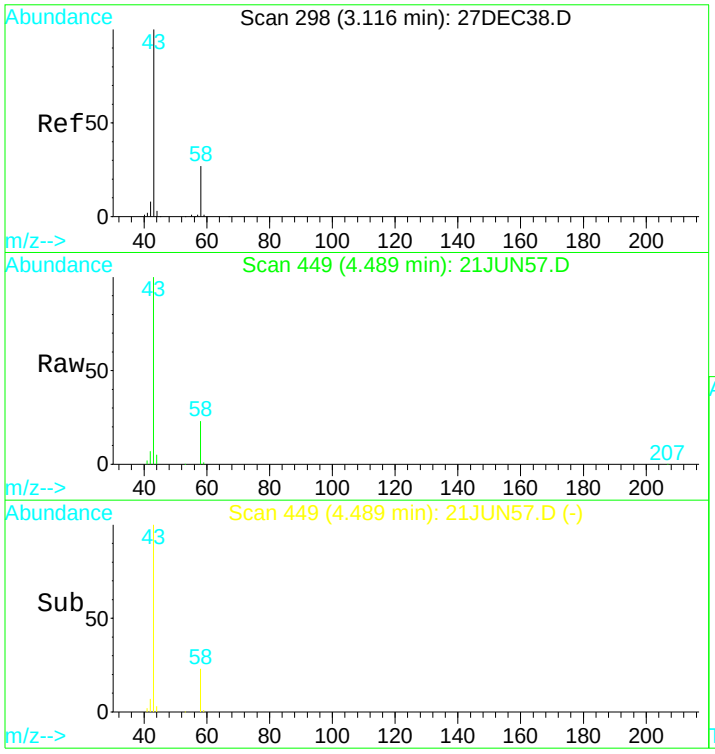


#1
Pentafluorobenzene IS#1
Concen: 10.00 ug/L
RT: 7.45 min Scan# 1027
Delta R.T. -0.00 min
Lab File: 21JUN57.D
Acq: 22 Jun 2023 4:20 am

Tgt Ion:137 Resp: 46317

Ion	Ratio	Lower	Upper
137	100		
99	361.6	248.4	461.4

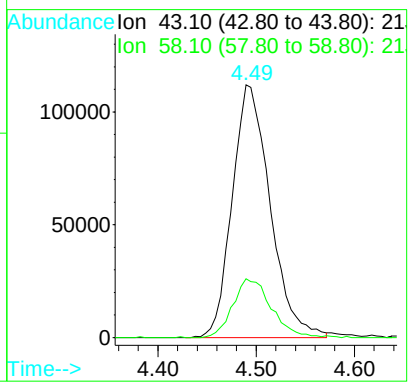


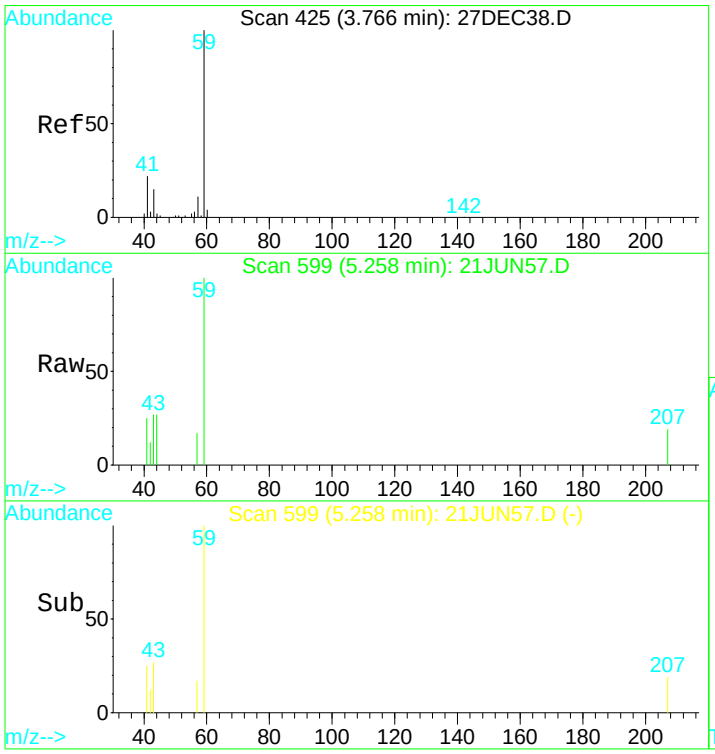


#8
acetone
Concen: 226.61 ug/L
RT: 4.49 min Scan# 449
Delta R.T. -0.01 min
Lab File: 21JUN57.D
Acq: 22 Jun 2023 4:20 am

Tgt Ion: 43 Resp: 300563

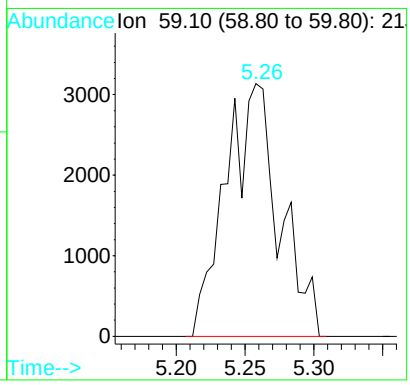
Ion	Ratio	Lower	Upper
43	100		
58	23.6	19.4	36.0

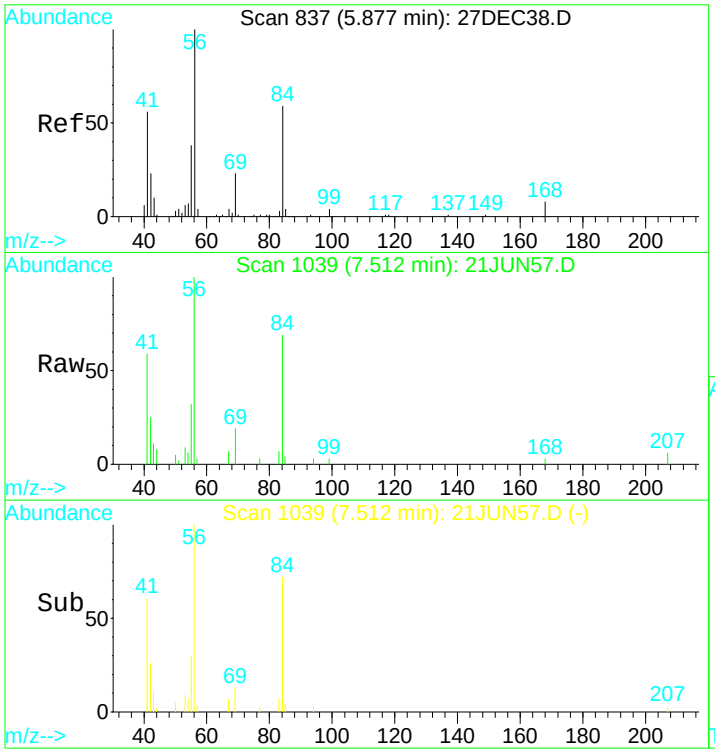




#9
tert-butyl alcohol (TBA)
Concen: 21.09 ug/L
RT: 5.26 min Scan# 599
Delta R.T. -0.01 min
Lab File: 21JUN57.D
Acq: 22 Jun 2023 4:20 am

Tgt Ion: 59 Resp: 8500

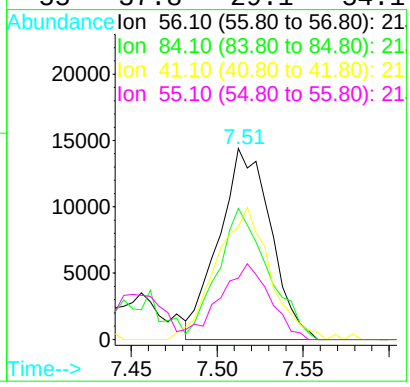


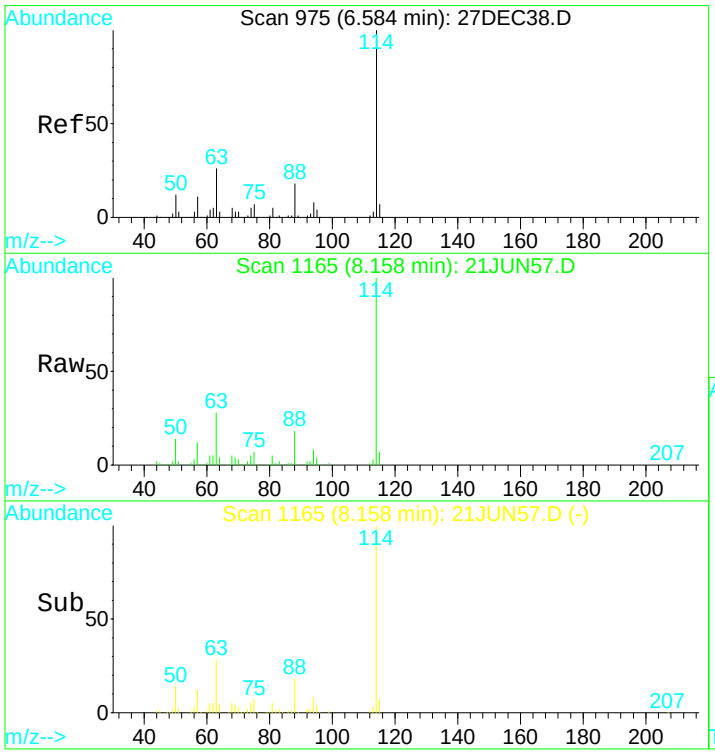


#27
Cyclohexane
Concen: 1.05 ug/L
RT: 7.51 min Scan# 1039
Delta R.T. -0.01 min
Lab File: 21JUN57.D
Acq: 22 Jun 2023 4:20 am

Tgt Ion: 56 Resp: 30177

Ion	Ratio	Lower	Upper
56	100		
84	66.7	49.0	91.0
41	71.5	44.8	83.2
55	37.8	29.1	54.1

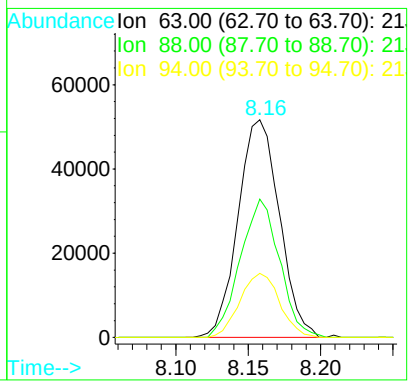


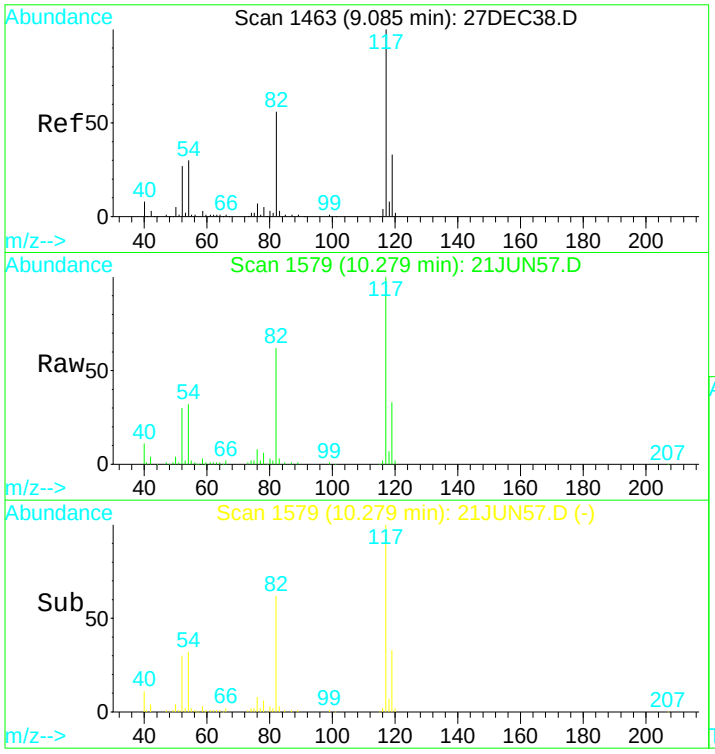


#29
1,4-Difluorobenzene IS#2
Concen: 10.00 ug/L
RT: 8.16 min Scan# 1165
Delta R.T. -0.00 min
Lab File: 21JUN57.D
Acq: 22 Jun 2023 4:20 am

Tgt Ion: 63 Resp: 102687

Ion	Ratio	Lower	Upper
63	100		
88	60.3	45.1	83.7
94	28.2	19.5	36.1

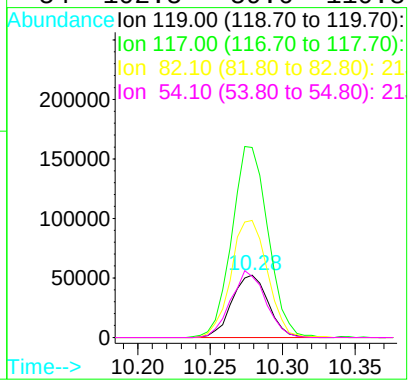




#36
Chlorobenzene d5 IS#3
Concen: 10.00 ug/L
RT: 10.28 min Scan# 1579
Delta R.T. -0.00 min
Lab File: 21JUN57.D
Acq: 22 Jun 2023 4:20 am

Tgt Ion:119 Resp: 91220

Ion	Ratio	Lower	Upper
119	100		
117	305.4	220.4	409.2
82	189.2	126.8	235.6
54	102.5	59.6	110.8



Quantitation Report (QT Reviewed)

Data File : D:\DATA\JUN2023C\JUN21\21JUN58.D Vial: 58
Acq On : 22 Jun 2023 4:44 am Operator: MGC
Sample : 2311827-10 Inst : MS-V5
Misc : 1 ;25ML;pH<2 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jun 22 11:35 2023 Quant Results File: 82605C.RES

Quant Method : C:\HPCHEM\1...\82605C.M (RTE Integrator)
Title : EPA Method 8260C/D
Last Update : Thu Jun 22 11:15:56 2023
Response via : Initial Calibration
DataAcq Meth : 82605

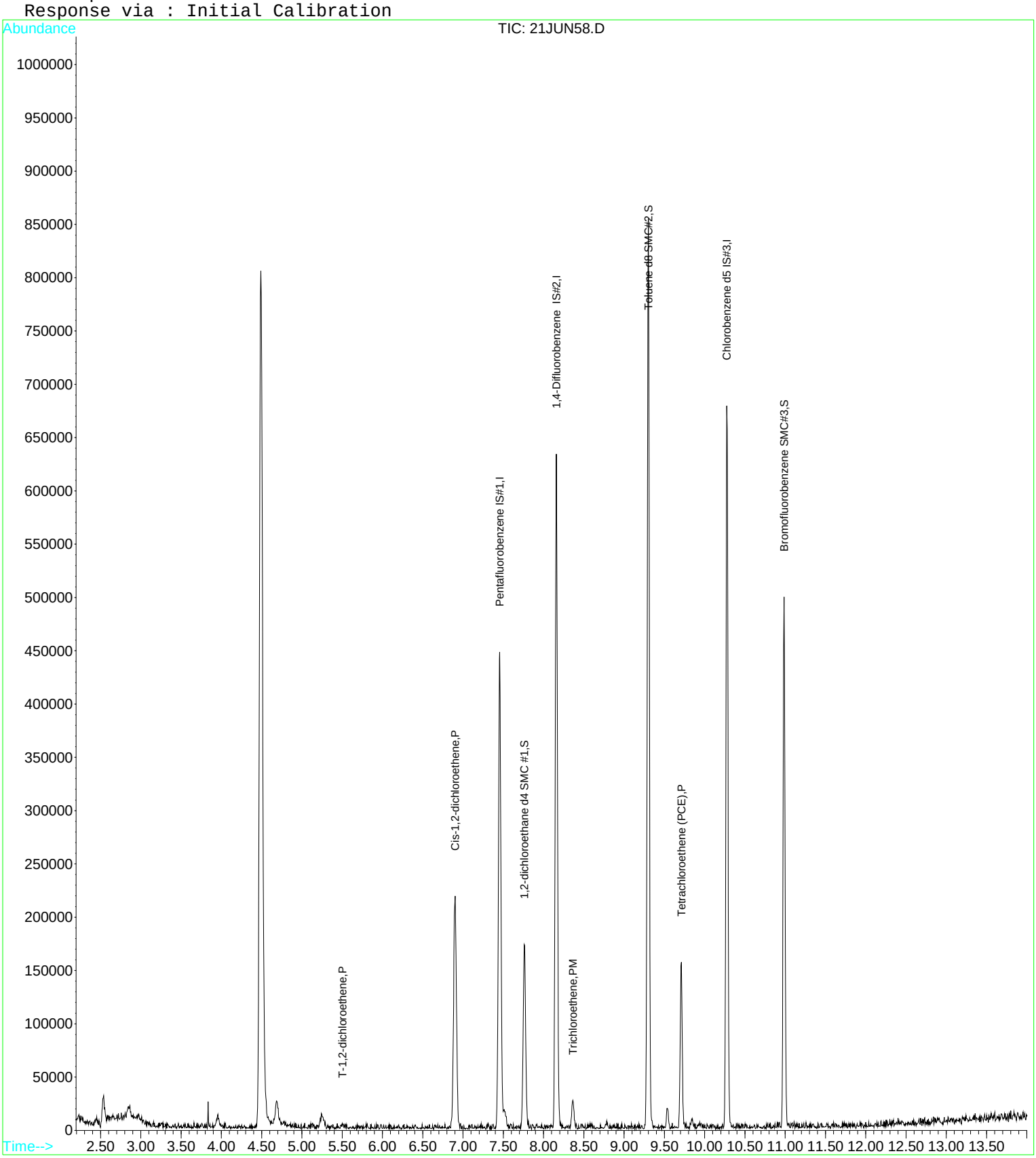
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene IS#1	7.45	137	55850	10.00	ug/L	0.00
26) 1,4-Difluorobenzene IS#2	8.16	63	122149	10.00	ug/L	0.00
41) Chlorobenzene d5 IS#3	10.28	119	111240	10.00	ug/L	0.00
System Monitoring Compounds						
23) 1,2-dichloroethane d4 SMC	7.76	65	153319	10.54	ug/L	0.00
Spiked Amount 10.000	Range 75 - 125		Recovery = 105.40%			
33) Toluene d8 SMC#2	9.30	98	504257	9.88	ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 98.80%			
51) Bromofluorobenzene SMC#3	10.99	95	163860	10.09	ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 100.90%			
Target Compounds						Qvalue
14) T-1,2-dichloroethene	5.50	96	1273	0.08	ug/L #	71
17) Cis-1,2-dichloroethene	6.90	96	105358	6.36	ug/L	90
27) Trichloroethene	8.36	130	8214	0.48	ug/L	97
37) Tetrachloroethene (PCE)	9.71	166	41823	2.53	ug/L	97

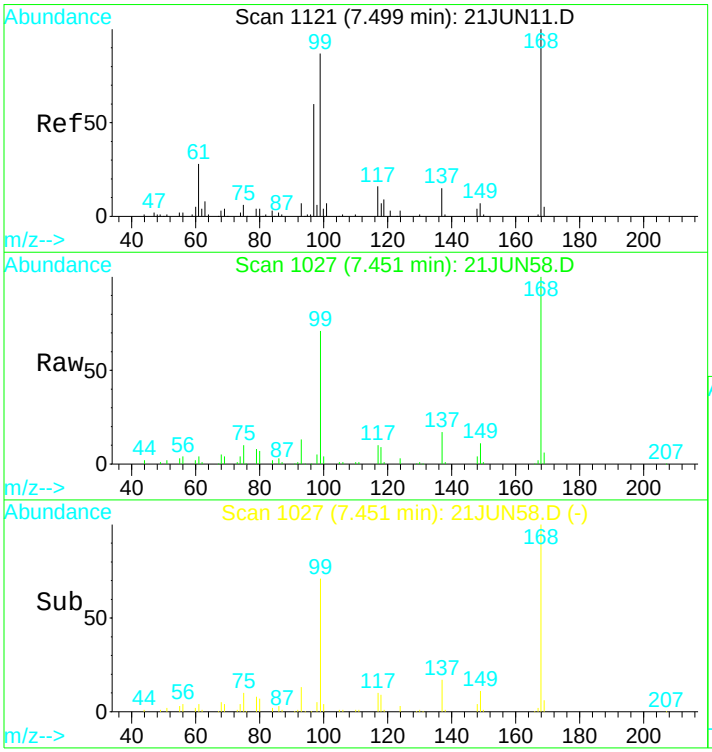
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : D:\DATA\JUN2023C\JUN21\21JUN58.D Vial: 58
Acq On : 22 Jun 2023 4:44 am Operator: MGC
Sample : 2311827-10 Inst : MS-V5
Misc : 1 ;25ML;pH<2 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jun 22 11:35 2023 Quant Results File: 82605C.RES

Method : C:\HPCHEM\1\METHODS\C\202306\21-0902\82605C.M (RTE Integrator)
Title : EPA Method 8260C/D
Last Update : Thu Jun 22 11:15:56 2023
Response via : Initial Calibration

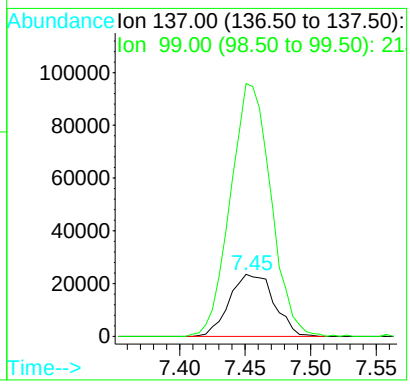


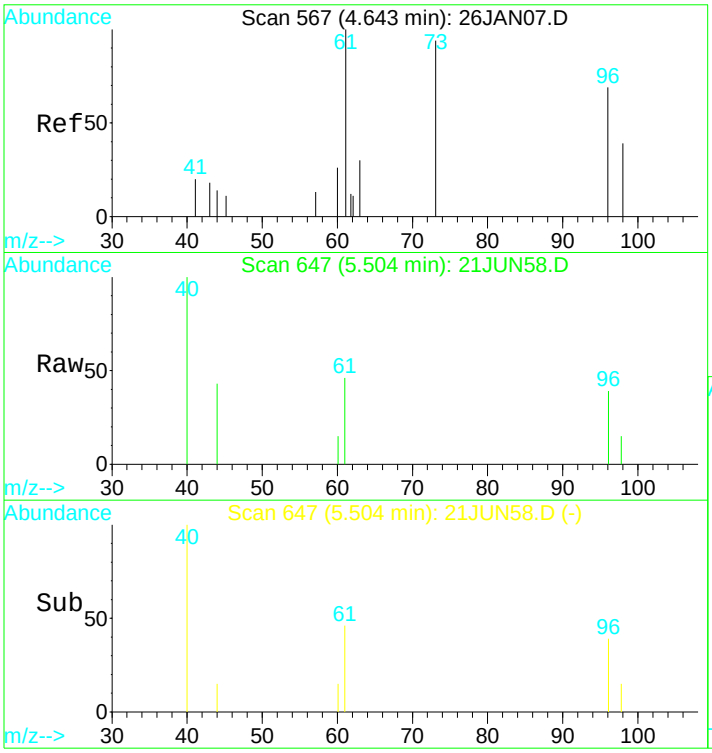


#1
Pentafluorobenzene IS#1
Concen: 10.00 ug/L
RT: 7.45 min Scan# 1027
Delta R.T. -0.01 min
Lab File: 21JUN58.D
Acq: 22 Jun 2023 4:44 am

Tgt Ion:137 Resp: 55850

Ion	Ratio	Lower	Upper
137	100		
99	369.9	1554.0	2886.0#

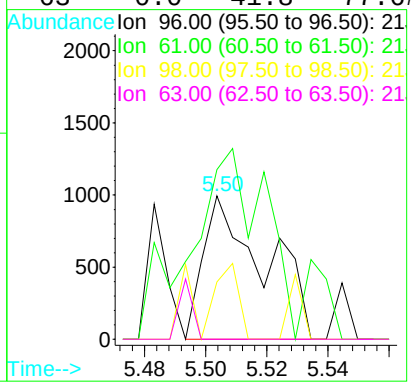


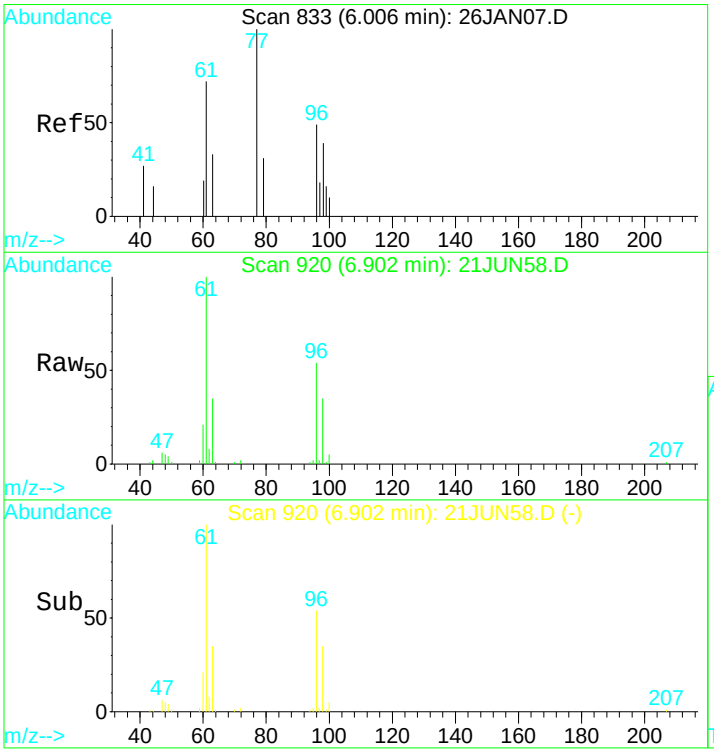


#14
T-1,2-dichloroethene
Concen: 0.08 ug/L
RT: 5.50 min Scan# 647
Delta R.T. -0.01 min
Lab File: 21JUN58.D
Acq: 22 Jun 2023 4:44 am

Tgt Ion: 96 Resp: 1273

Ion	Ratio	Lower	Upper
96	100		
61	176.5	127.5	236.9
98	22.3	46.1	85.5#
63	0.0	41.8	77.6#

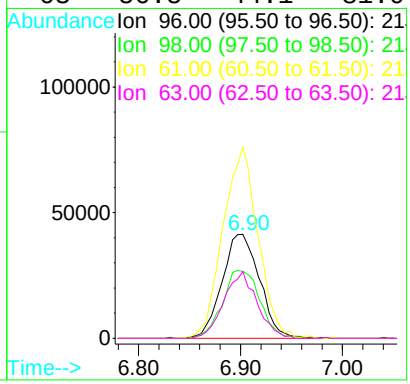


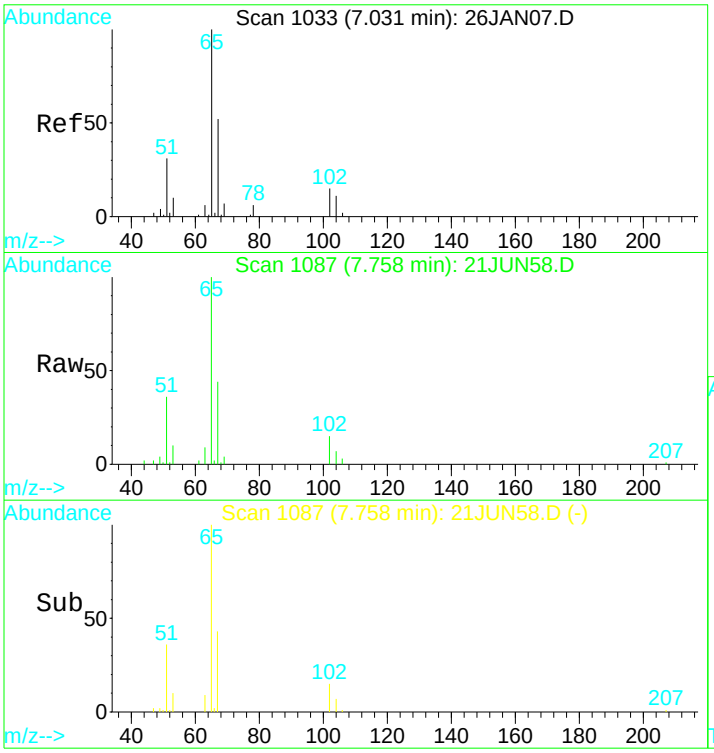


#17
Cis-1,2-dichloroethene
Concen: 6.36 ug/L
RT: 6.90 min Scan# 920
Delta R.T. -0.00 min
Lab File: 21JUN58.D
Acq: 22 Jun 2023 4:44 am

Tgt Ion: 96 Resp: 105358

Ion	Ratio	Lower	Upper
96	100		
98	65.1	45.4	84.2
61	171.4	134.1	249.1
63	56.5	44.1	81.9

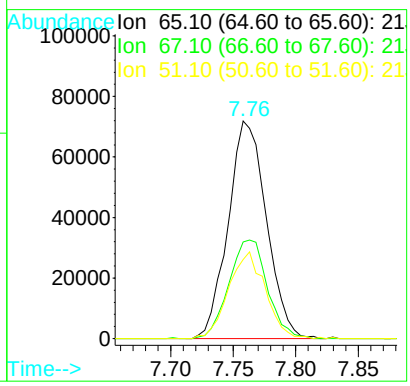


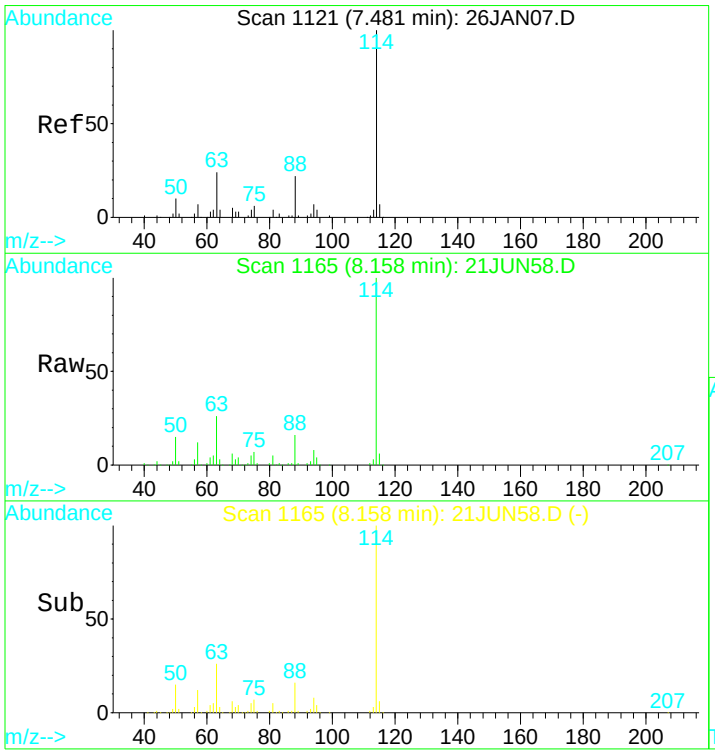


#23
1,2-dichloroethane d4 SMC #1
Concen: N.D. ug/L
RT: 7.76 min Scan# 1087
Delta R.T. -0.01 min
Lab File: 21JUN58.D
Acq: 22 Jun 2023 4:44 am

Tgt Ion: 65 Resp: 153319

Ion	Ratio	Lower	Upper
65	100		
67	45.6	33.0	61.2
51	38.4	440.4	817.8#

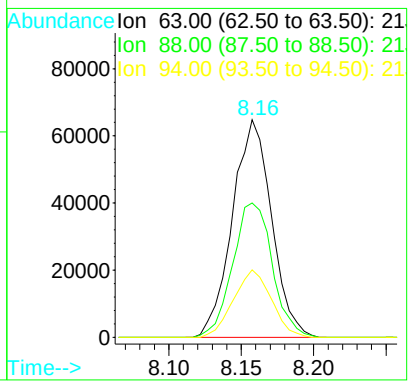


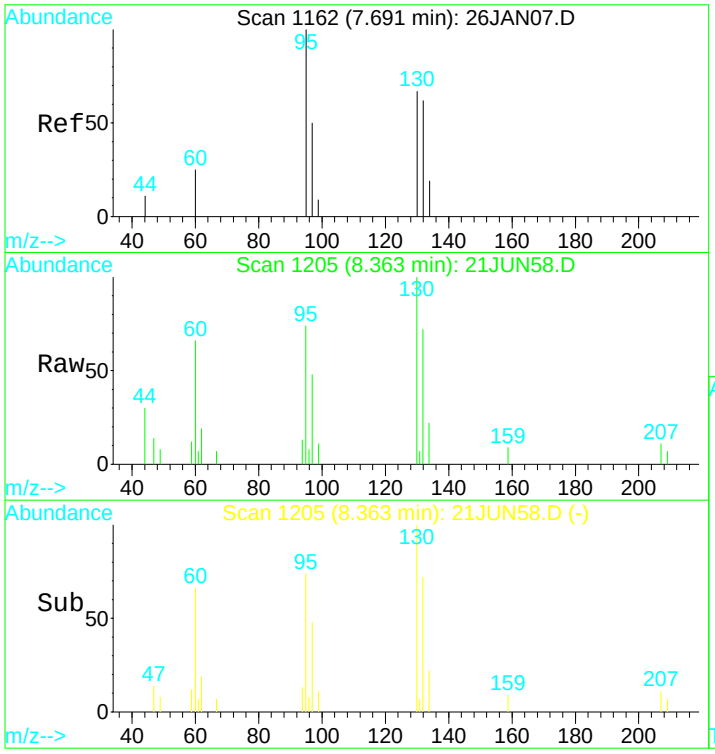


#26
1,4-Difluorobenzene IS#2
Concen: 10.00 ug/L
RT: 8.16 min Scan# 1165
Delta R.T. -0.00 min
Lab File: 21JUN58.D
Acq: 22 Jun 2023 4:44 am

Tgt Ion: 63 Resp: 122149

Ion	Ratio	Lower	Upper
63	100		
88	62.4	43.6	81.0
94	30.0	20.2	37.4

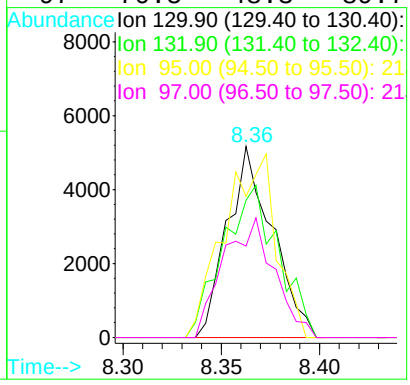


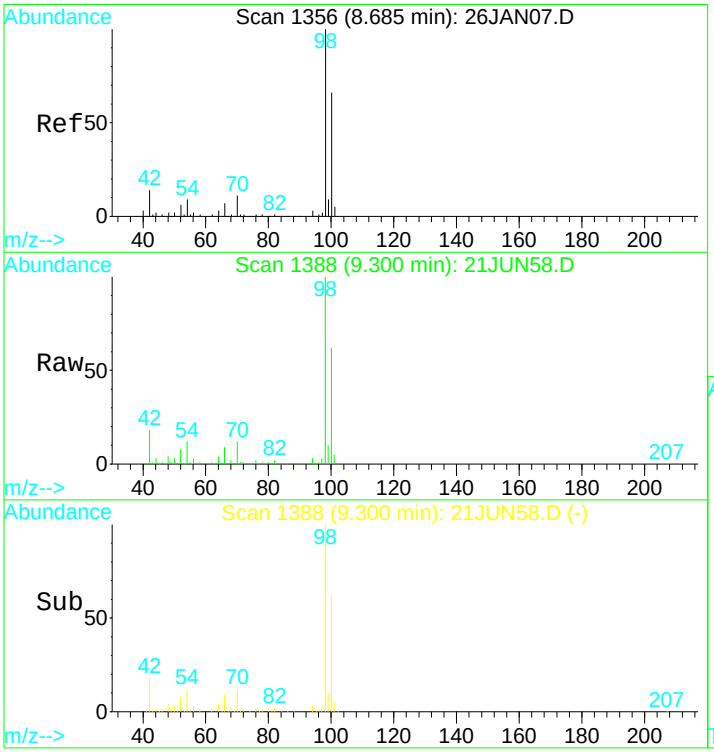


#27
Trichloroethene
Concen: 0.48 ug/L
RT: 8.36 min Scan# 1205
Delta R.T. -0.01 min
Lab File: 21JUN58.D
Acq: 22 Jun 2023 4:44 am

Tgt Ion:130 Resp: 8214

Ion	Ratio	Lower	Upper
130	100		
132	97.2	67.1	124.7
95	110.8	74.7	138.7
97	70.5	48.3	89.7

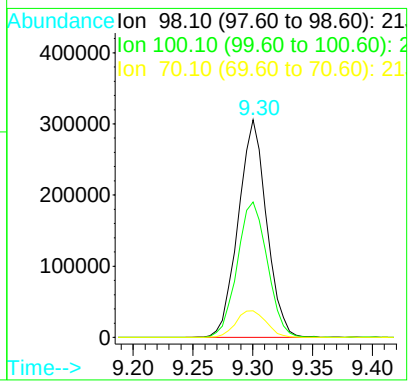


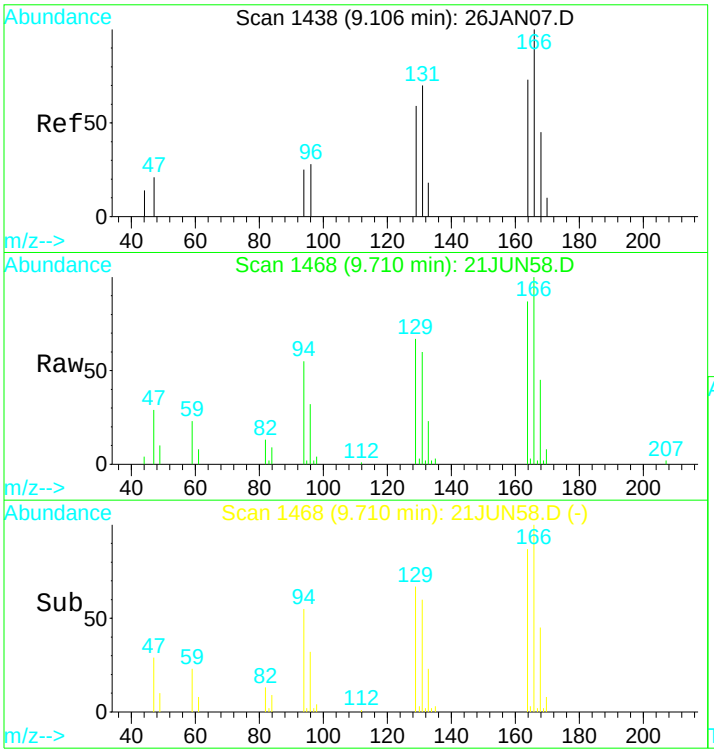


#33
Toluene d8 SMC#2
Concen: N.D. ug/L
RT: 9.30 min Scan# 1388
Delta R.T. 0.00 min
Lab File: 21JUN58.D
Acq: 22 Jun 2023 4:44 am

Tgt Ion: 98 Resp: 504257

Ion	Ratio	Lower	Upper
98	100		
100	66.0	46.8	87.0
70	13.2	9.0	16.6

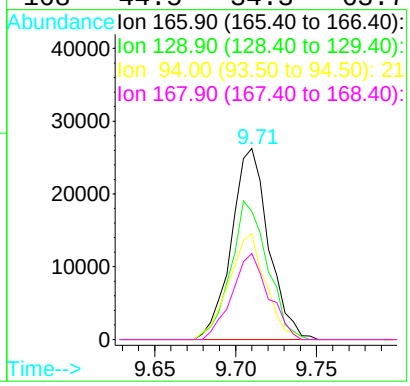


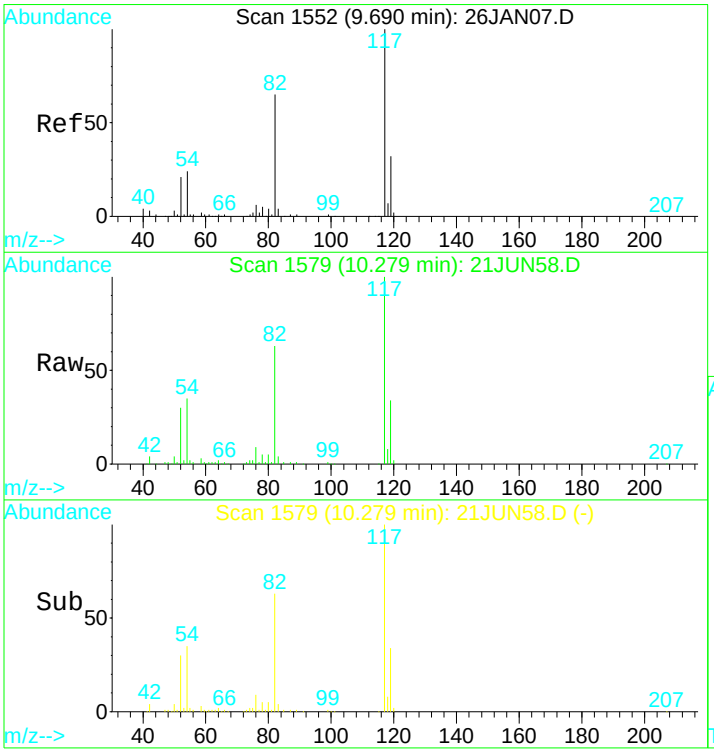


#37
Tetrachloroethene (PCE)
Concen: 2.53 ug/L
RT: 9.71 min Scan# 1468
Delta R.T. -0.00 min
Lab File: 21JUN58.D
Acq: 22 Jun 2023 4:44 am

Tgt Ion:166 Resp: 41823

Ion	Ratio	Lower	Upper
166	100		
129	71.5	51.4	95.4
94	54.7	39.2	72.8
168	44.5	34.3	63.7

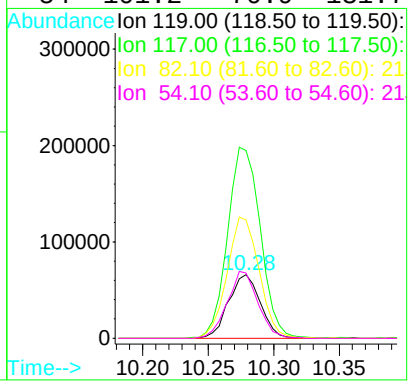


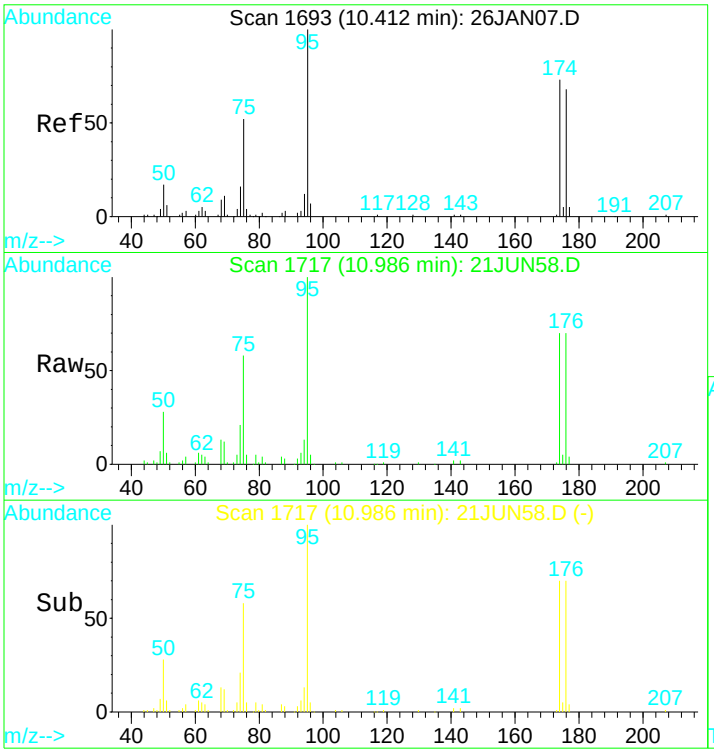


#41
Chlorobenzene d5 IS#3
Concen: 10.00 ug/L
RT: 10.28 min Scan# 1579
Delta R.T. -0.00 min
Lab File: 21JUN58.D
Acq: 22 Jun 2023 4:44 am

Tgt Ion:119 Resp: 111240

Ion	Ratio	Lower	Upper
119	100		
117	310.0	216.7	402.4
82	191.6	131.1	243.5
54	101.2	70.9	131.7

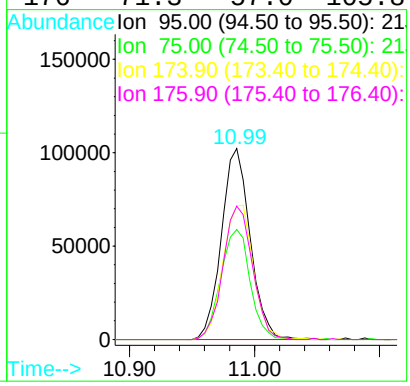




#51
Bromofluorobenzene SMC#3
Concen: N.D. ug/L
RT: 10.99 min Scan# 1717
Delta R.T. -0.00 min
Lab File: 21JUN58.D
Acq: 22 Jun 2023 4:44 am

Tgt Ion: 95 Resp: 163860

Ion	Ratio	Lower	Upper
95	100		
75	58.9	40.3	74.9
174	74.1	58.4	108.6
176	71.3	57.0	105.8



Quantitation Report (QT Reviewed)

Data File : D:\DATA\JUN2023C\JUN21\21JUN58.D Vial: 58
Acq On : 22 Jun 2023 4:44 am Operator: MGC
Sample : 2311827-10 Inst : MS-V5
Misc : 1 ;25ML;pH<2 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jun 22 11:51 2023 Quant Results File: 82605CX.RES

Quant Method : C:\HPCHEM\1...\82605CX.M (RTE Integrator)
Title : EPA Method 8260C/DX
Last Update : Thu Jun 22 04:57:10 2023
Response via : Initial Calibration
DataAcq Meth : 82605

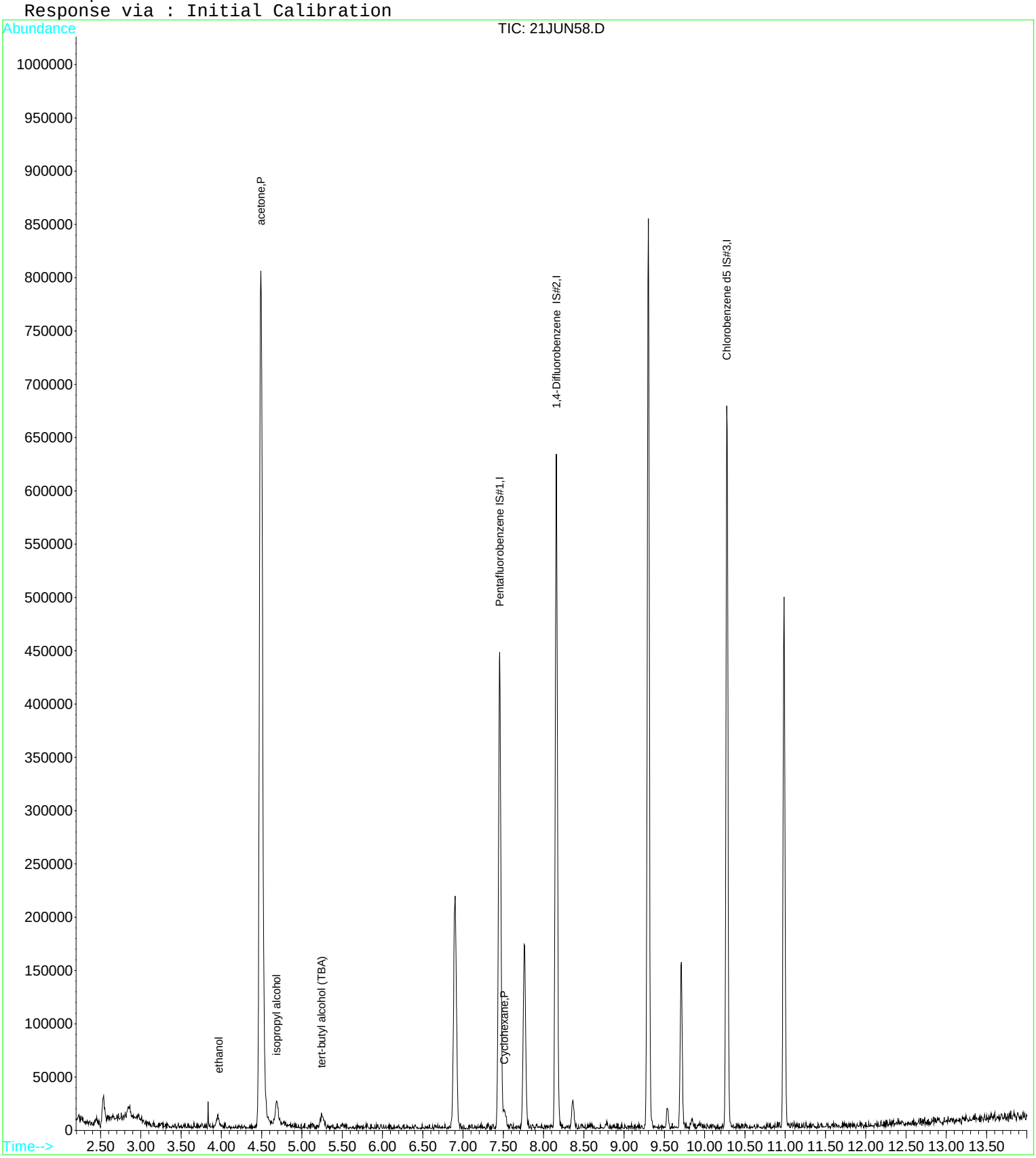
Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Pentafluorobenzene IS#1	7.45	137	55850	10.00	ug/L		0.00
29) 1,4-Difluorobenzene IS#2	8.16	63	122149	10.00	ug/L		0.00
36) Chlorobenzene d5 IS#3	10.28	119	111240	10.00	ug/L		0.00
Target Compounds							Qvalue
2) ethanol	3.97	45	13312	245.72	ug/L		92
6) isopropyl alcohol	4.69	45	39652	134.56	ug/L	#	2
8) acetone	4.49	43	1590663	994.59	ug/L		95
9) tert-butyl alcohol (TBA)	5.25	59	19347	39.80	ug/L		100
27) Cyclohexane	7.51	56	9684	0.28	ug/L		88

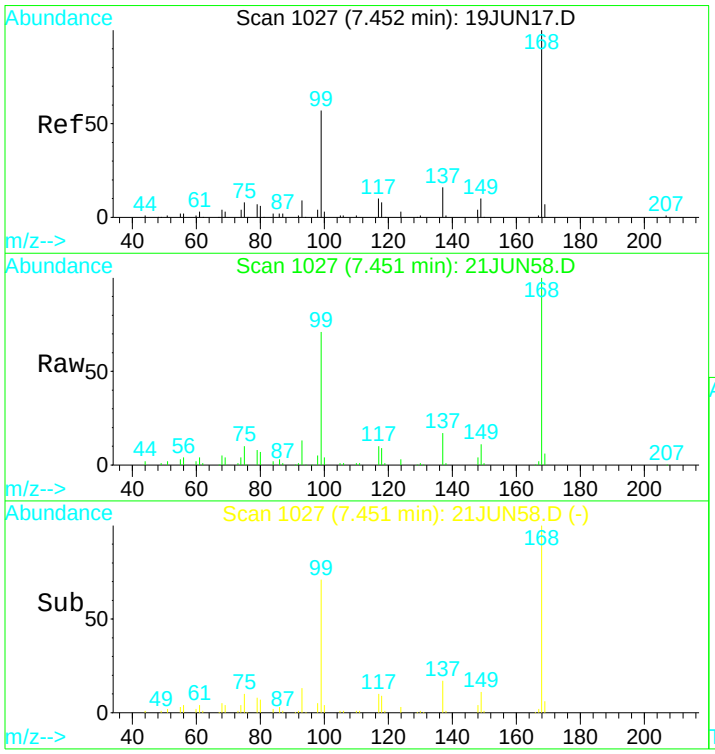
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : D:\DATA\JUN2023C\JUN21\21JUN58.D Vial: 58
Acq On : 22 Jun 2023 4:44 am Operator: MGC
Sample : 2311827-10 Inst : MS-V5
Misc : 1 ;25ML;pH<2 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jun 22 11:51 2023 Quant Results File: 82605CX.RES

Method : C:\HPCHEM\1\METHODS\C\202306\19-1901\82605CX.M (RTE Integrator)
Title : EPA Method 8260C/DX
Last Update : Thu Jun 22 04:57:10 2023
Response via : Initial Calibration

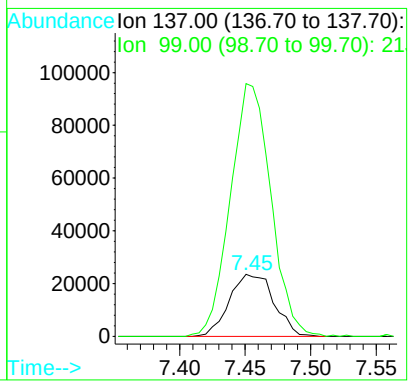


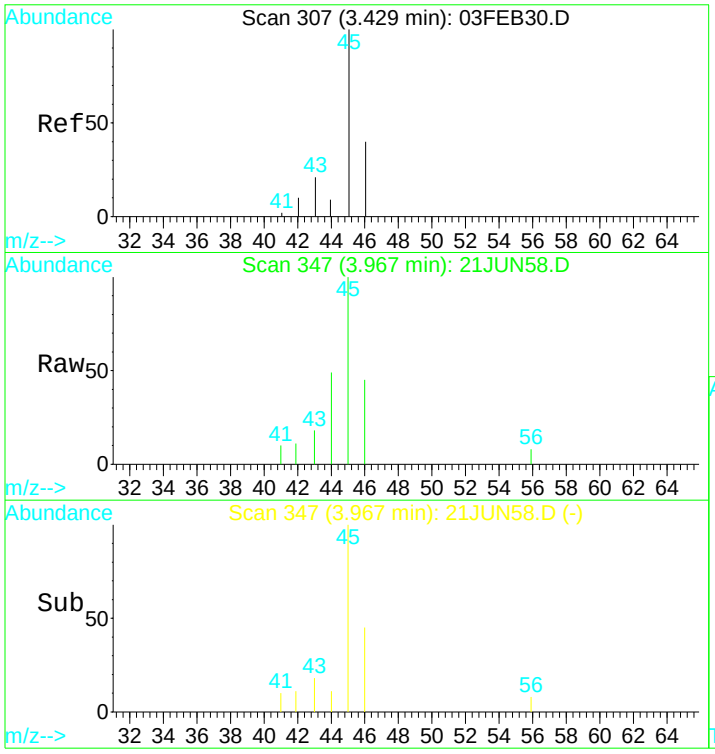


#1
Pentafluorobenzene IS#1
Concen: 10.00 ug/L
RT: 7.45 min Scan# 1027
Delta R.T. -0.00 min
Lab File: 21JUN58.D
Acq: 22 Jun 2023 4:44 am

Tgt Ion:137 Resp: 55850

Ion	Ratio	Lower	Upper
137	100		
99	369.9	248.4	461.4

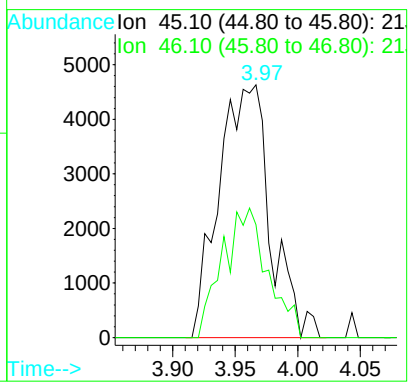


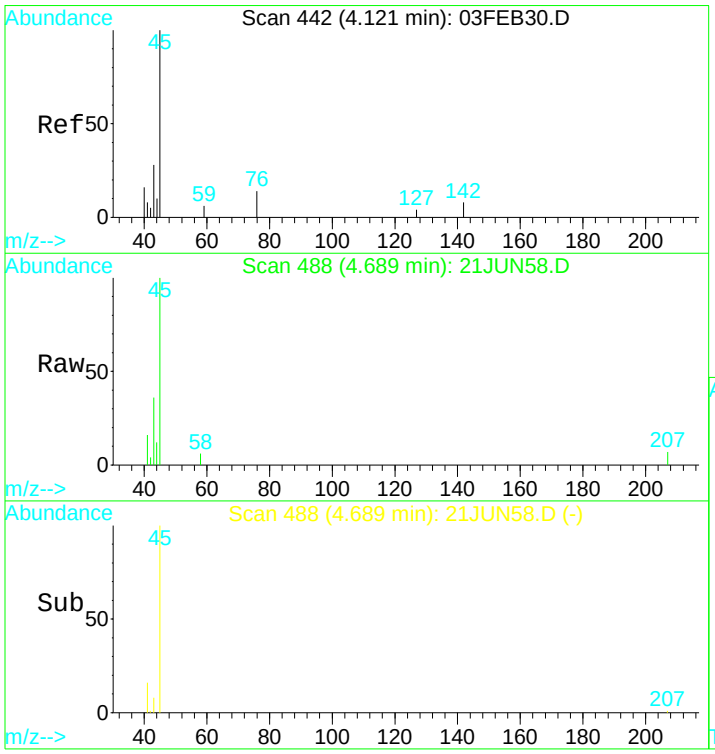


#2
ethanol
Concen: 245.72 ug/L
RT: 3.97 min Scan# 347
Delta R.T. 0.00 min
Lab File: 21JUN58.D
Acq: 22 Jun 2023 4:44 am

Tgt Ion: 45 Resp: 13312

Ion	Ratio	Lower	Upper
45	100		
46	44.8	27.9	51.9

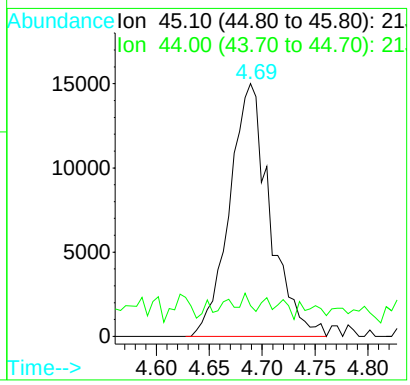


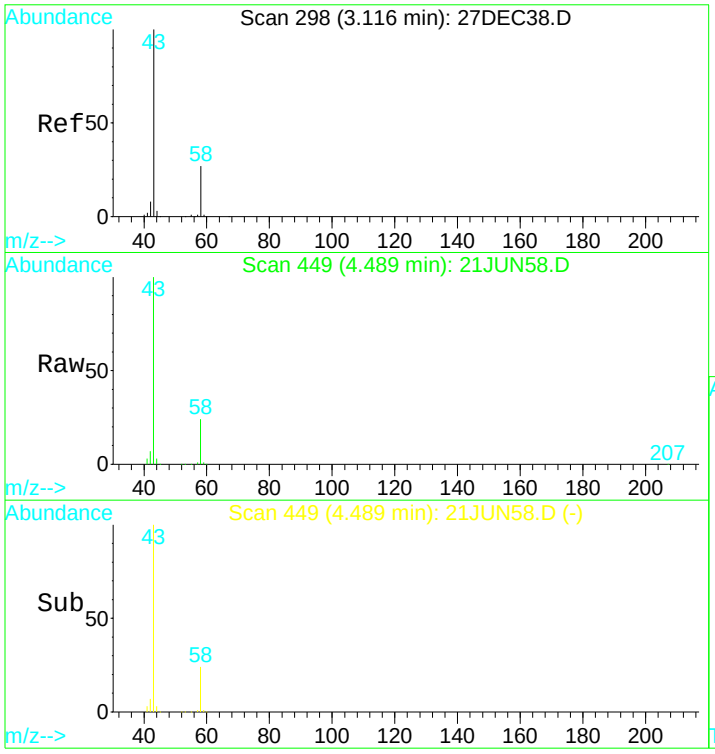


#6
isopropyl alcohol
Concen: 134.56 ug/L
RT: 4.69 min Scan# 488
Delta R.T. -0.01 min
Lab File: 21JUN58.D
Acq: 22 Jun 2023 4:44 am

Tgt Ion: 45 Resp: 39652

Ion	Ratio	Lower	Upper
45	100		
44	4.4	73.3	136.1#

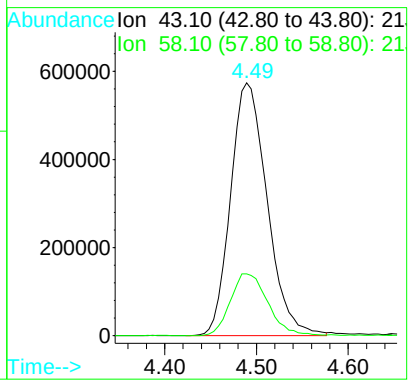


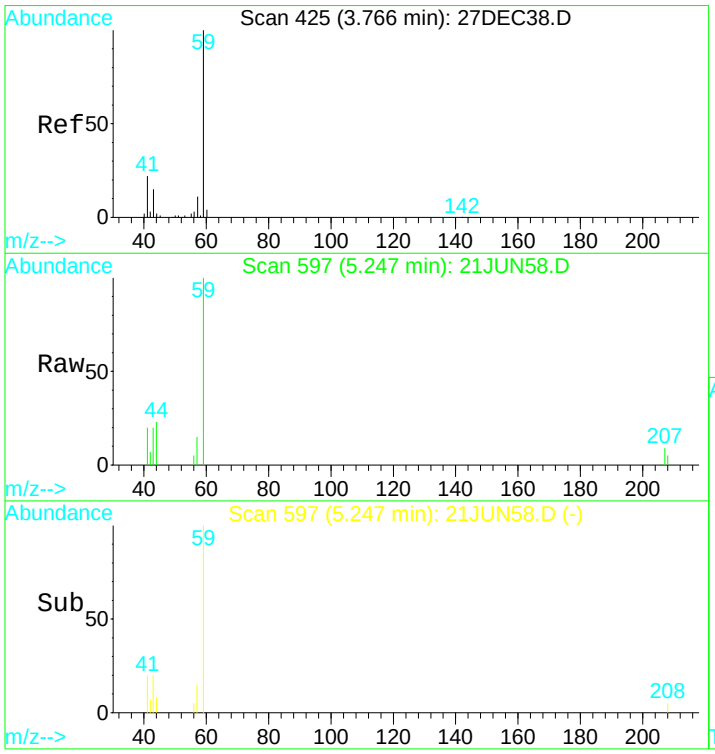


#8
acetone
Concen: 994.59 ug/L
RT: 4.49 min Scan# 449
Delta R.T. -0.01 min
Lab File: 21JUN58.D
Acq: 22 Jun 2023 4:44 am

Tgt Ion: 43 Resp: 1590663

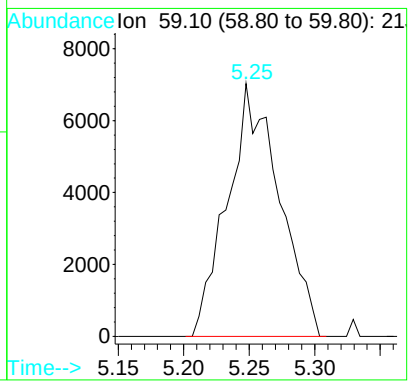
Ion	Ratio	Lower	Upper
43	100		
58	25.0	19.4	36.0

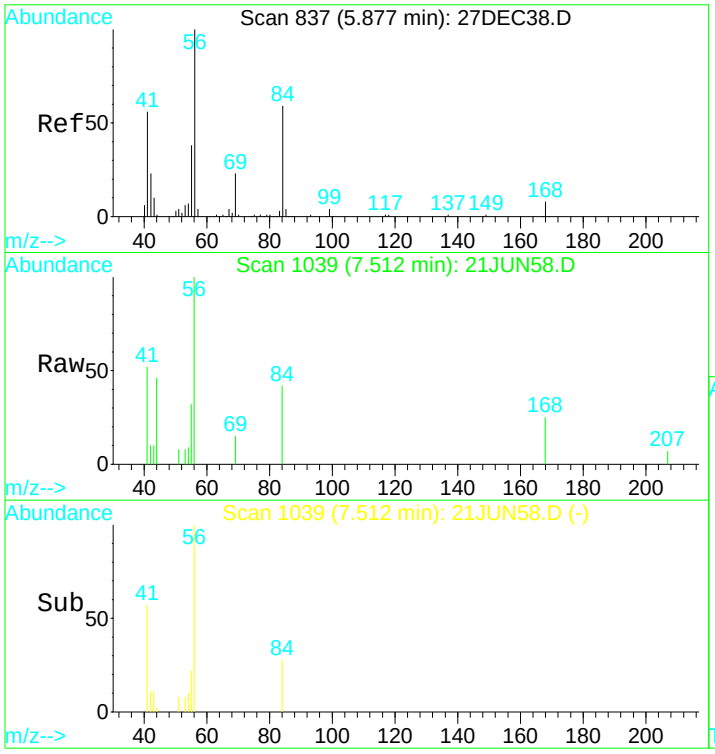




#9
tert-butyl alcohol (TBA)
Concen: 39.80 ug/L
RT: 5.25 min Scan# 597
Delta R.T. -0.02 min
Lab File: 21JUN58.D
Acq: 22 Jun 2023 4:44 am

Tgt Ion: 59 Resp: 19347

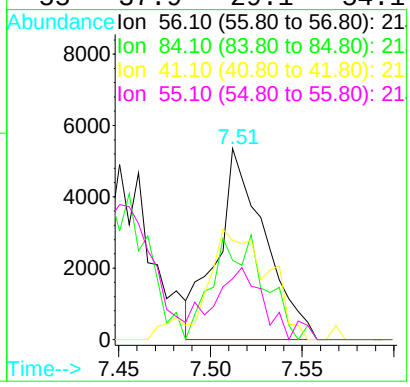


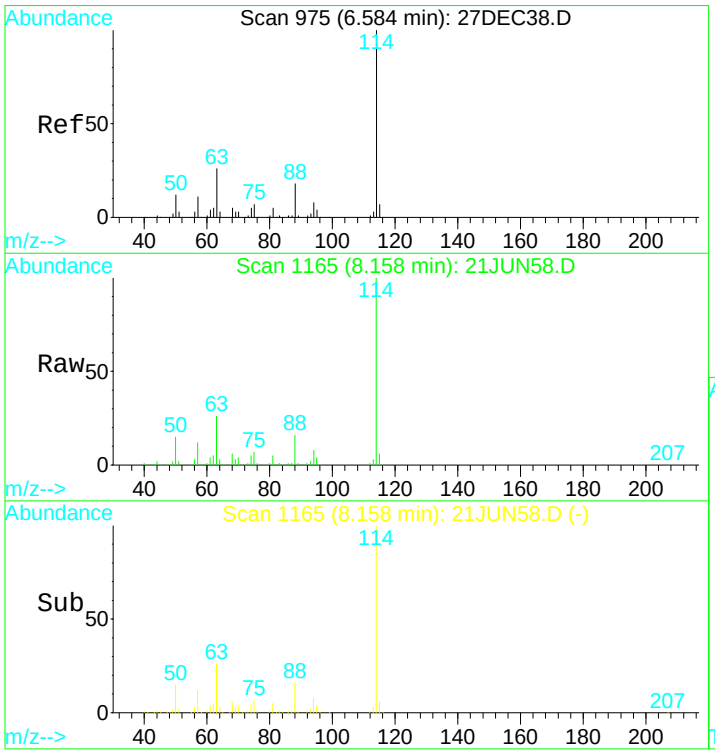


#27
Cyclohexane
Concen: 0.28 ug/L
RT: 7.51 min Scan# 1039
Delta R.T. -0.01 min
Lab File: 21JUN58.D
Acq: 22 Jun 2023 4:44 am

Tgt Ion: 56 Resp: 9684

Ion	Ratio	Lower	Upper
56	100		
84	59.0	49.0	91.0
41	74.3	44.8	83.2
55	37.9	29.1	54.1

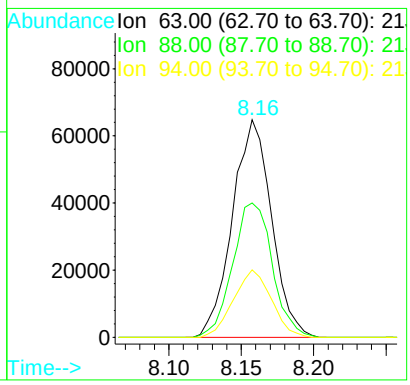


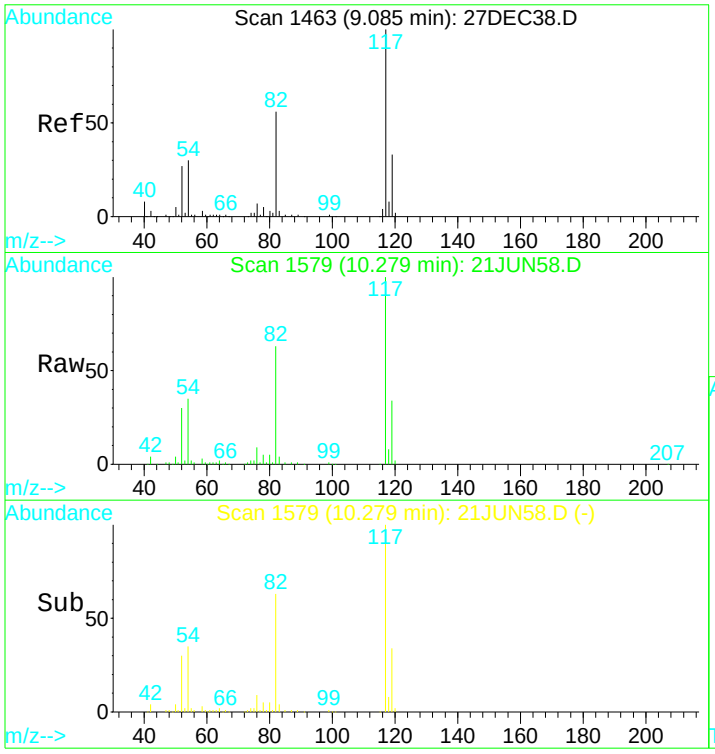


#29
1,4-Difluorobenzene IS#2
Concen: 10.00 ug/L
RT: 8.16 min Scan# 1165
Delta R.T. -0.00 min
Lab File: 21JUN58.D
Acq: 22 Jun 2023 4:44 am

Tgt Ion: 63 Resp: 122149

Ion	Ratio	Lower	Upper
63	100		
88	62.4	45.1	83.7
94	30.0	19.5	36.1

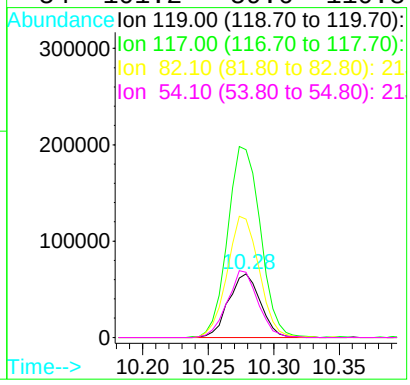




#36
Chlorobenzene d5 IS#3
Concen: 10.00 ug/L
RT: 10.28 min Scan# 1579
Delta R.T. -0.00 min
Lab File: 21JUN58.D
Acq: 22 Jun 2023 4:44 am

Tgt Ion:119 Resp: 111240

Ion	Ratio	Lower	Upper
119	100		
117	310.0	220.4	409.2
82	191.6	126.8	235.6
54	101.2	59.6	110.8



Quantitation Report (QT Reviewed)

Data File : D:\DATA\JUN2023C\JUN21\21JUN62.D Vial: 62
Acq On : 22 Jun 2023 6:21 am Operator: MGC
Sample : 2311827-10RE1 Inst : MS-V5
Misc : 5 ;10ML/50ML;pH<2 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jun 22 11:37 2023 Quant Results File: 82605C.RES

Quant Method : C:\HPCHEM\1...\82605C.M (RTE Integrator)
Title : EPA Method 8260C/D
Last Update : Thu Jun 22 11:15:56 2023
Response via : Initial Calibration
DataAcq Meth : 82605

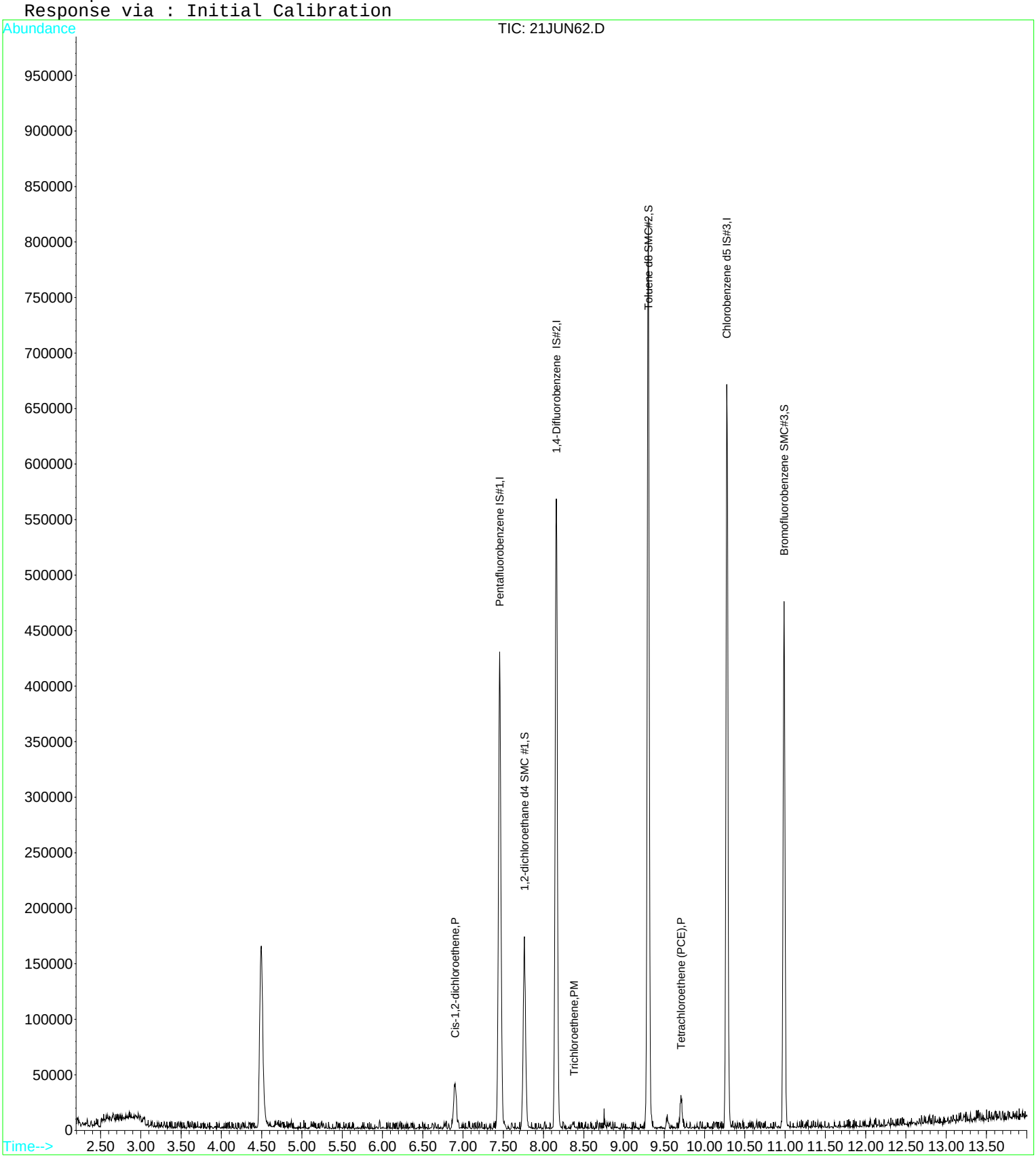
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene IS#1	7.46	137	53659	10.00	ug/L	0.00
26) 1,4-Difluorobenzene IS#2	8.16	63	119159	10.00	ug/L	0.00
41) Chlorobenzene d5 IS#3	10.28	119	104473	10.00	ug/L	0.00
System Monitoring Compounds						
23) 1,2-dichloroethane d4 SMC	7.76	65	140947	10.09	ug/L	0.00
Spiked Amount 10.000	Range 75 - 125		Recovery = 100.90%			
33) Toluene d8 SMC#2	9.30	98	488706	9.81	ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 98.10%			
51) Bromofluorobenzene SMC#3	10.99	95	147143	9.65	ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 96.50%			
Target Compounds						Qvalue
17) Cis-1,2-dichloroethene	6.90	96	19055	1.20	ug/L	86
27) Trichloroethene	8.37	130	934	0.06	ug/L #	26
37) Tetrachloroethene (PCE)	9.71	166	8698	0.54	ug/L	89

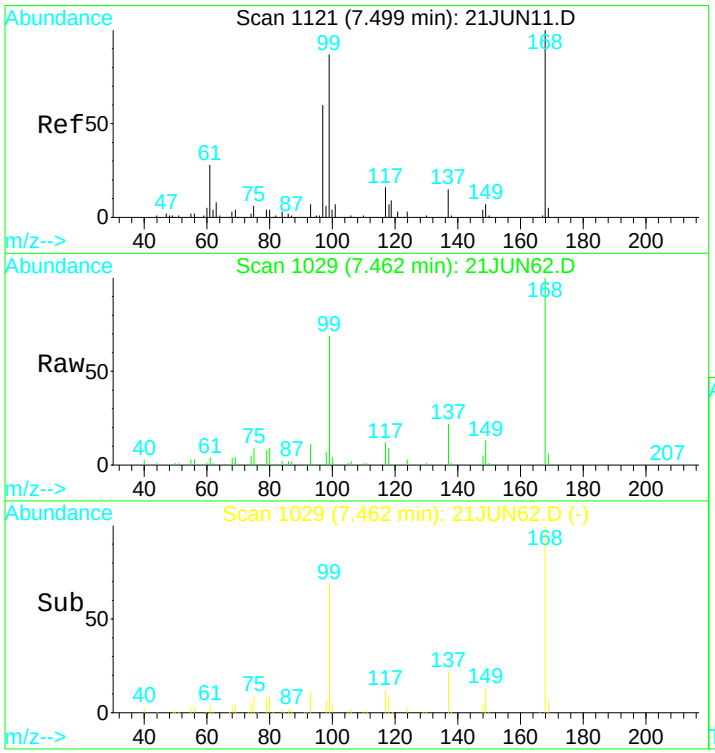
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : D:\DATA\JUN2023C\JUN21\21JUN62.D Vial: 62
Acq On : 22 Jun 2023 6:21 am Operator: MGC
Sample : 2311827-10RE1 Inst : MS-V5
Misc : 5 ;10ML/50ML;pH<2 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jun 22 11:37 2023 Quant Results File: 82605C.RES

Method : C:\HPCHEM\1\METHODS\C\202306\21-0902\82605C.M (RTE Integrator)
Title : EPA Method 8260C/D
Last Update : Thu Jun 22 11:15:56 2023
Response via : Initial Calibration

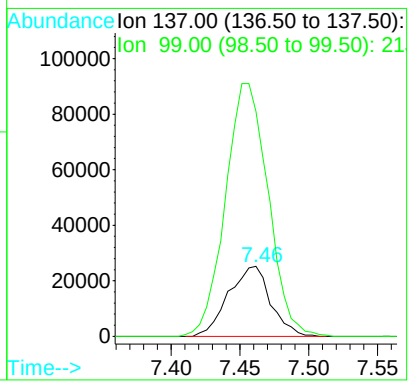


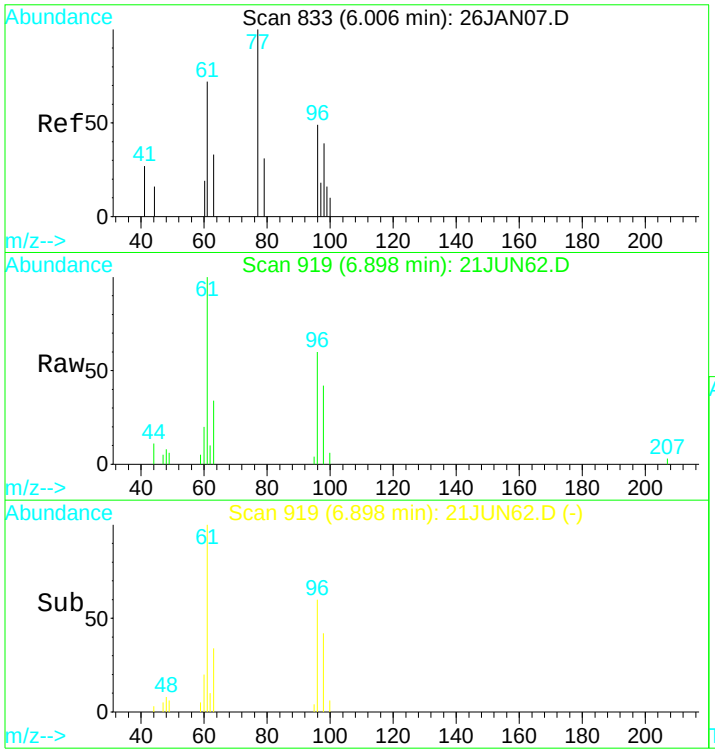


#1
Pentafluorobenzene IS#1
Concen: 10.00 ug/L
RT: 7.46 min Scan# 1029
Delta R.T. 0.01 min
Lab File: 21JUN62.D
Acq: 22 Jun 2023 6:21 am

Tgt Ion:137 Resp: 53659

Ion	Ratio	Lower	Upper
137	100		
99	366.9	1554.0	2886.0#

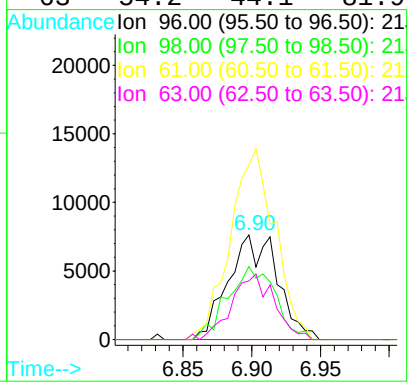


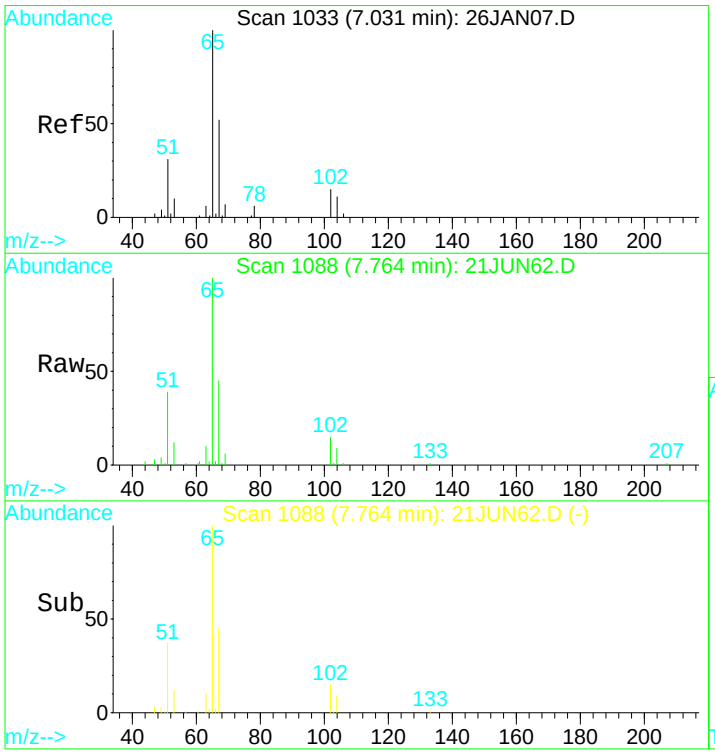


#17
Cis-1,2-dichloroethene
Concen: 1.20 ug/L
RT: 6.90 min Scan# 919
Delta R.T. -0.00 min
Lab File: 21JUN62.D
Acq: 22 Jun 2023 6:21 am

Tgt Ion: 96 Resp: 19055

Ion	Ratio	Lower	Upper
96	100		
98	67.1	45.4	84.2
61	164.8	134.1	249.1
63	54.2	44.1	81.9

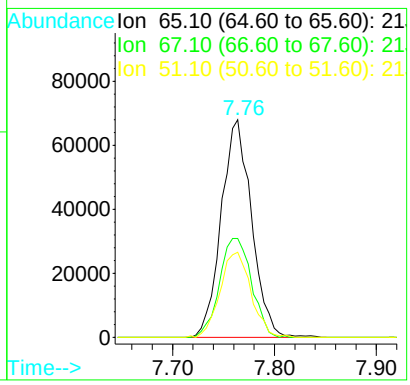


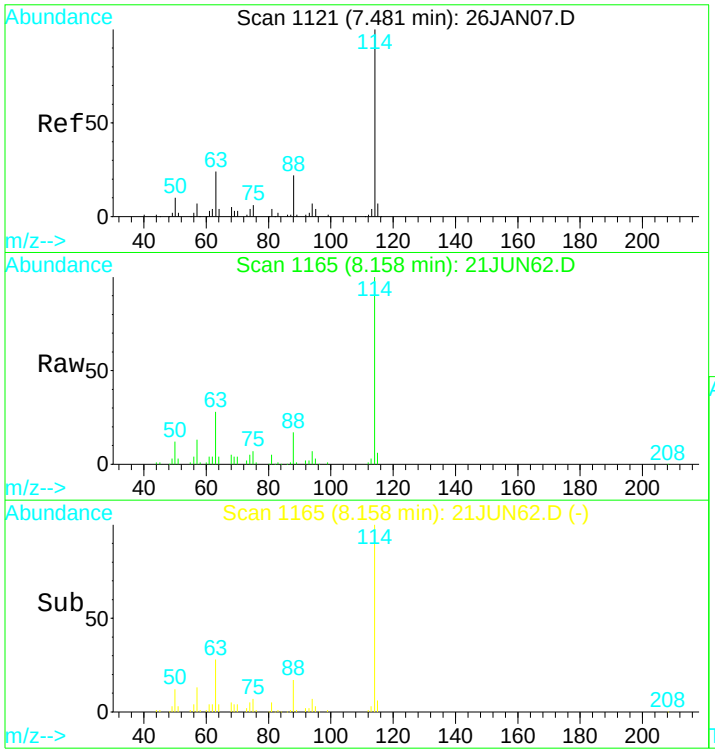


#23
1,2-dichloroethane d4 SMC #1
Concen: N.D. ug/L
RT: 7.76 min Scan# 1088
Delta R.T. 0.00 min
Lab File: 21JUN62.D
Acq: 22 Jun 2023 6:21 am

Tgt Ion: 65 Resp: 140947

Ion	Ratio	Lower	Upper
65	100		
67	48.0	33.0	61.2
51	40.0	440.4	817.8#

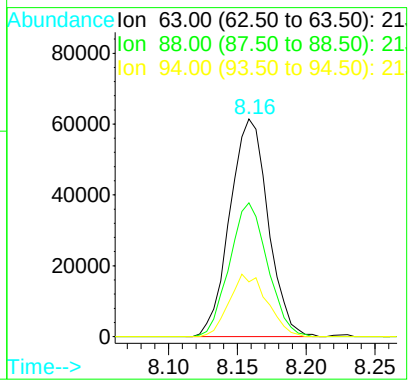


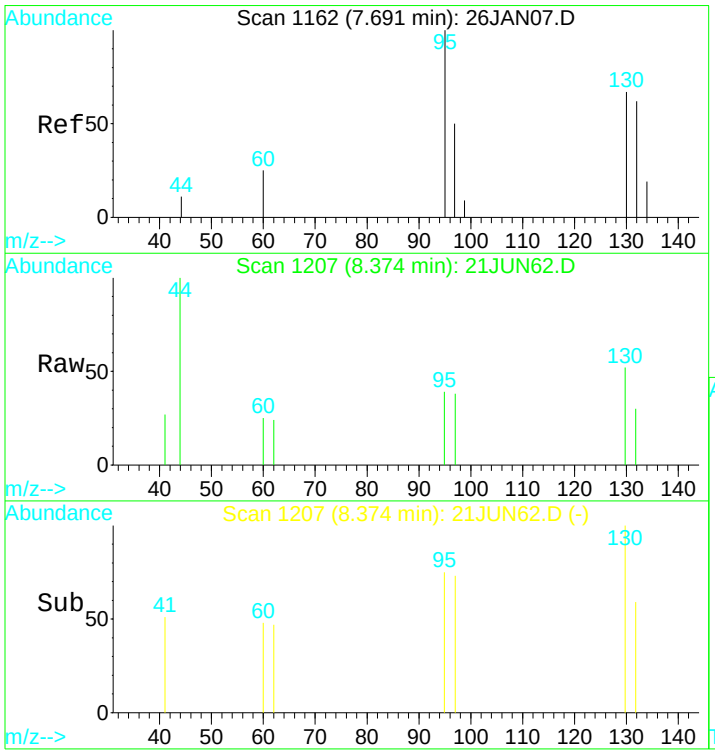


#26
1,4-Difluorobenzene IS#2
Concen: 10.00 ug/L
RT: 8.16 min Scan# 1165
Delta R.T. 0.00 min
Lab File: 21JUN62.D
Acq: 22 Jun 2023 6:21 am

Tgt Ion: 63 Resp: 119159

Ion	Ratio	Lower	Upper
63	100		
88	60.9	43.6	81.0
94	28.3	20.2	37.4

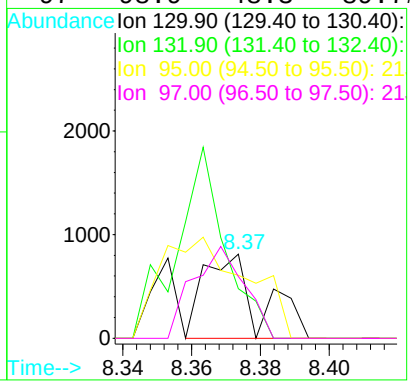


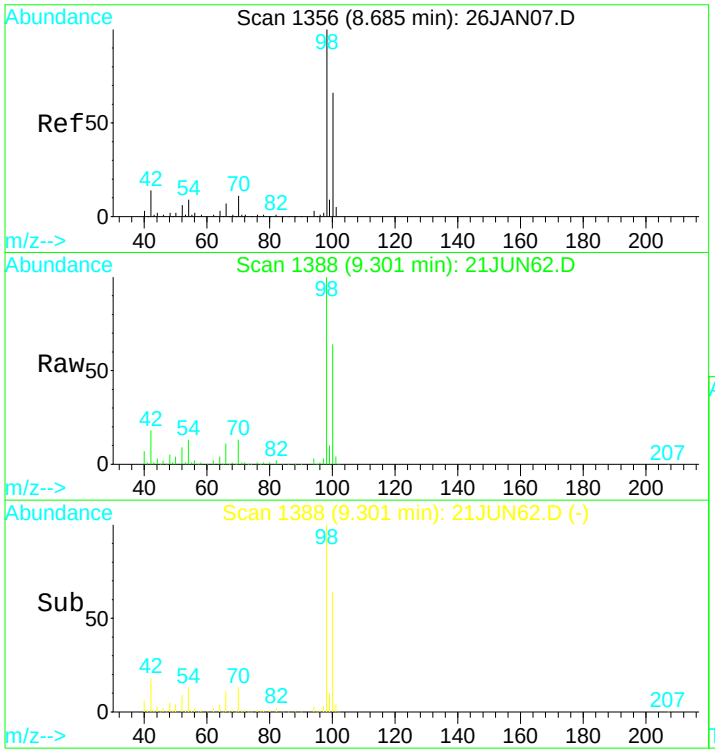


#27
Trichloroethene
Concen: 0.06 ug/L
RT: 8.37 min Scan# 1207
Delta R.T. 0.01 min
Lab File: 21JUN62.D
Acq: 22 Jun 2023 6:21 am

Tgt Ion:130 Resp: 934

Ion	Ratio	Lower	Upper
130	100		
132	195.0	67.1	124.7#
95	182.9	74.7	138.7#
97	98.9	48.3	89.7#

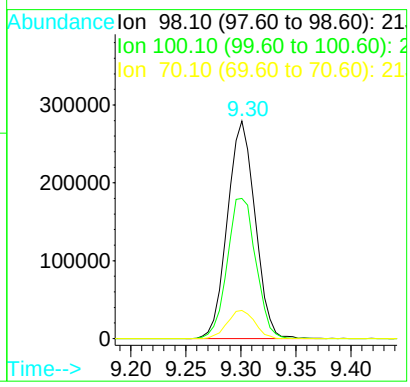


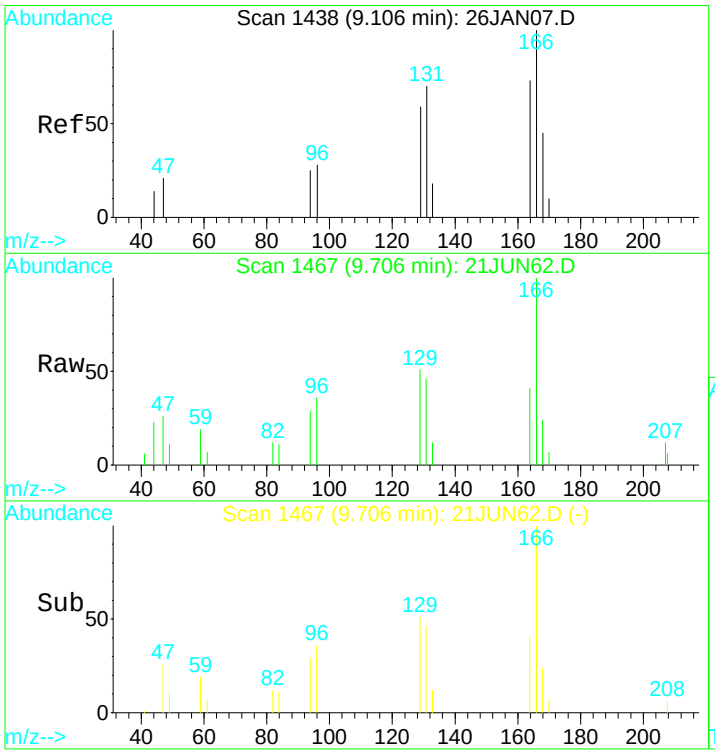


#33
Toluene d8 SMC#2
Concen: N.D. ug/L
RT: 9.30 min Scan# 1388
Delta R.T. 0.01 min
Lab File: 21JUN62.D
Acq: 22 Jun 2023 6:21 am

Tgt Ion: 98 Resp: 488706

Ion	Ratio	Lower	Upper
98	100		
100	66.7	46.8	87.0
70	12.9	9.0	16.6

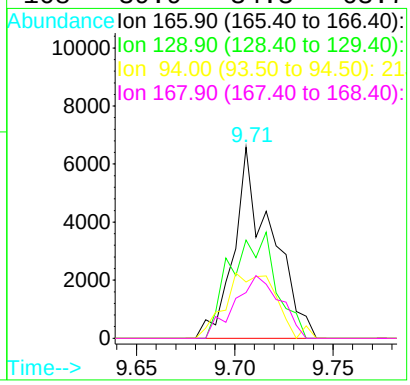


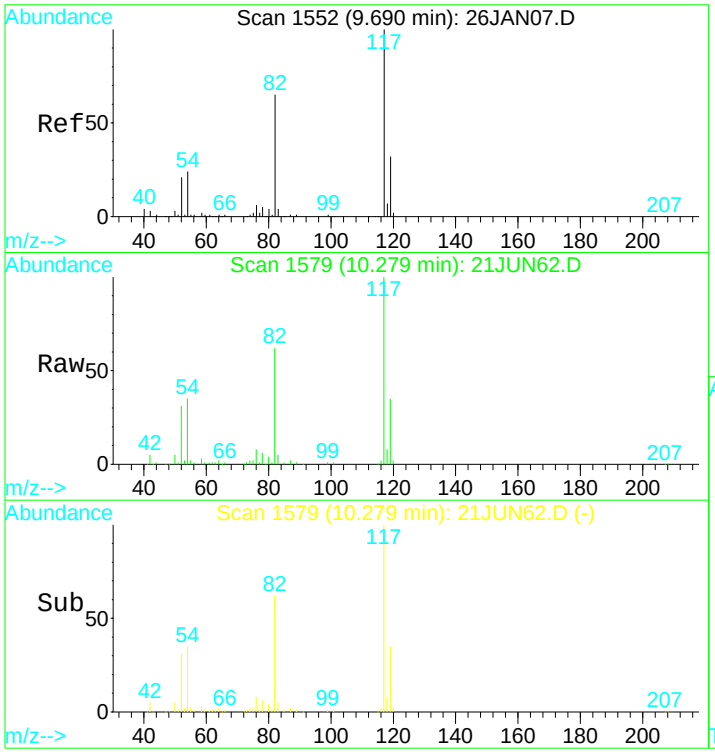


#37
Tetrachloroethene (PCE)
Concen: 0.54 ug/L
RT: 9.71 min Scan# 1467
Delta R.T. -0.00 min
Lab File: 21JUN62.D
Acq: 22 Jun 2023 6:21 am

Tgt Ion:166 Resp: 8698

Ion	Ratio	Lower	Upper
166	100		
129	67.5	51.4	95.4
94	46.7	39.2	72.8
168	39.9	34.3	63.7

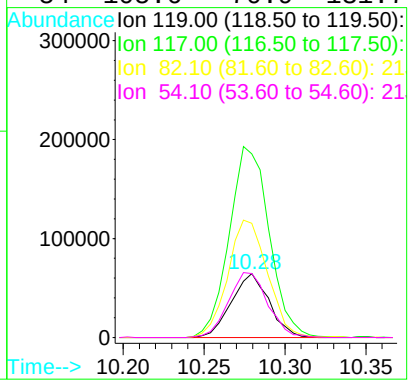


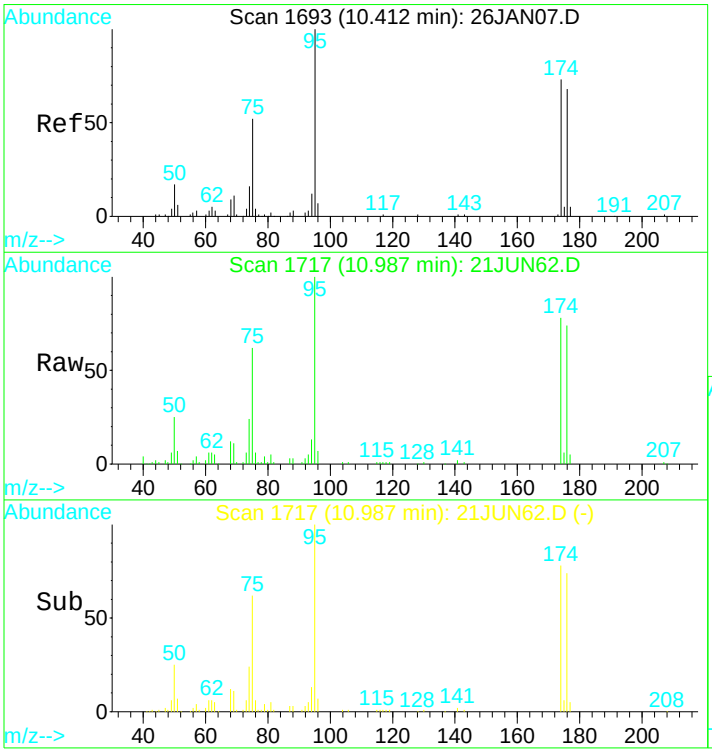


#41
Chlorobenzene d5 IS#3
Concen: 10.00 ug/L
RT: 10.28 min Scan# 1579
Delta R.T. 0.00 min
Lab File: 21JUN62.D
Acq: 22 Jun 2023 6:21 am

Tgt Ion:119 Resp: 104473

Ion	Ratio	Lower	Upper
119	100		
117	317.2	216.7	402.4
82	193.5	131.1	243.5
54	105.6	70.9	131.7

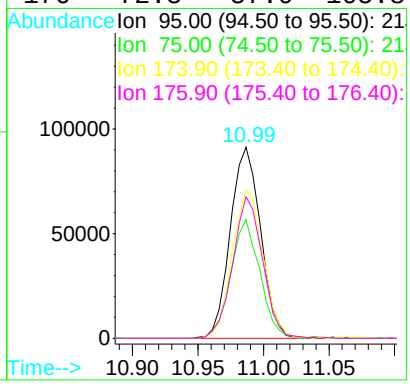




#51
Bromofluorobenzene SMC#3
Concen: N.D. ug/L
RT: 10.99 min Scan# 1717
Delta R.T. 0.00 min
Lab File: 21JUN62.D
Acq: 22 Jun 2023 6:21 am

Tgt Ion: 95 Resp: 147143

Ion	Ratio	Lower	Upper
95	100		
75	59.5	40.3	74.9
174	78.5	58.4	108.6
176	72.5	57.0	105.8



Quantitation Report (QT Reviewed)

Data File : D:\DATA\JUN2023C\JUN21\21JUN62.D Vial: 62
Acq On : 22 Jun 2023 6:21 am Operator: MGC
Sample : 2311827-10RE1 Inst : MS-V5
Misc : 5 ;10ML/50ML;pH<2 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jun 22 11:53 2023 Quant Results File: 82605CX.RES

Quant Method : C:\HPCHEM\1...\82605CX.M (RTE Integrator)
Title : EPA Method 8260C/DX
Last Update : Thu Jun 22 04:57:10 2023
Response via : Initial Calibration
DataAcq Meth : 82605

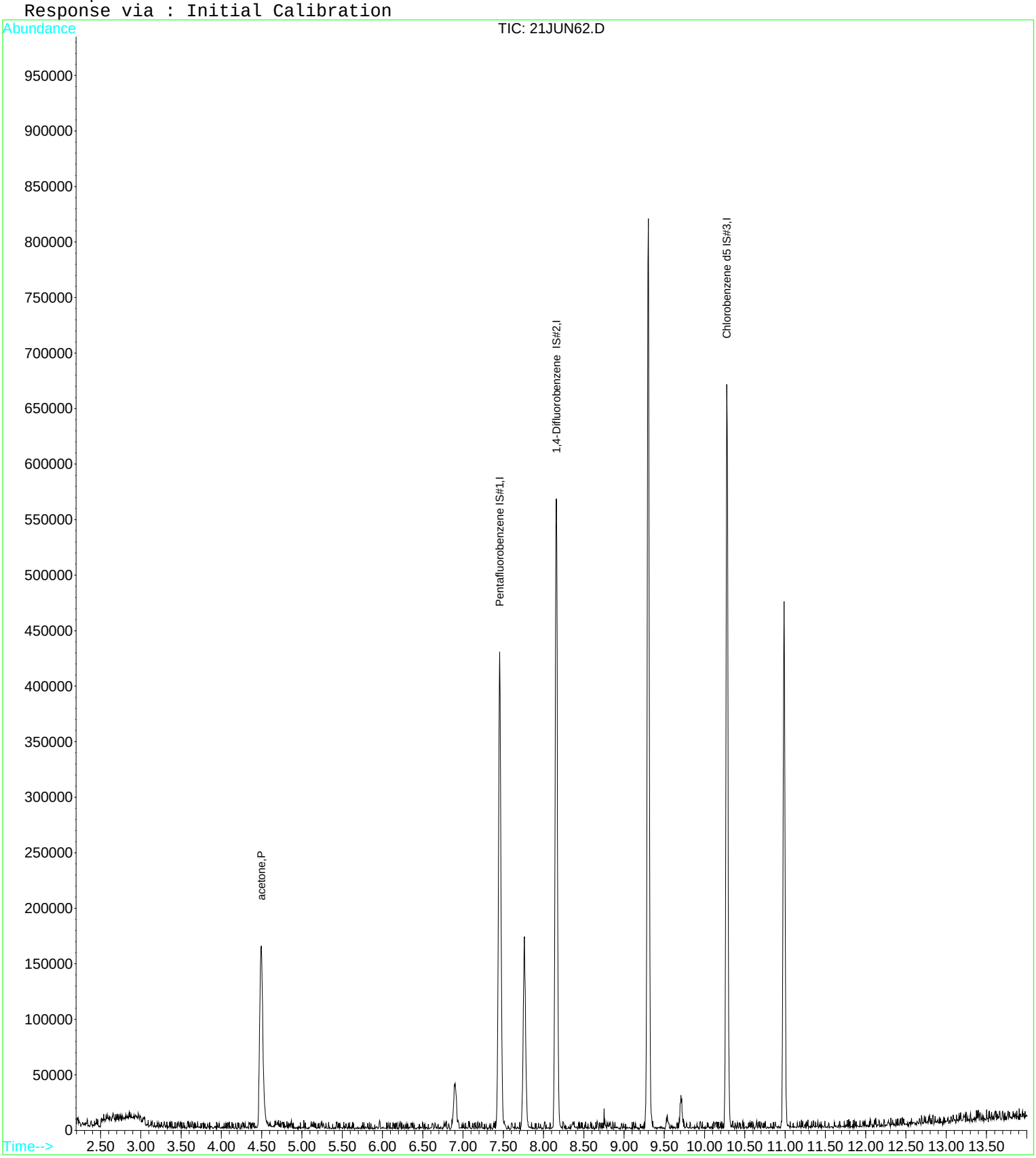
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene IS#1	7.46	137	53659	10.00	ug/L	0.00
29) 1,4-Difluorobenzene IS#2	8.16	63	119159	10.00	ug/L	0.00
36) Chlorobenzene d5 IS#3	10.28	119	104473	10.00	ug/L	0.00
Target Compounds						Qvalue
8) acetone	4.50	43	321834	209.45	ug/L	92

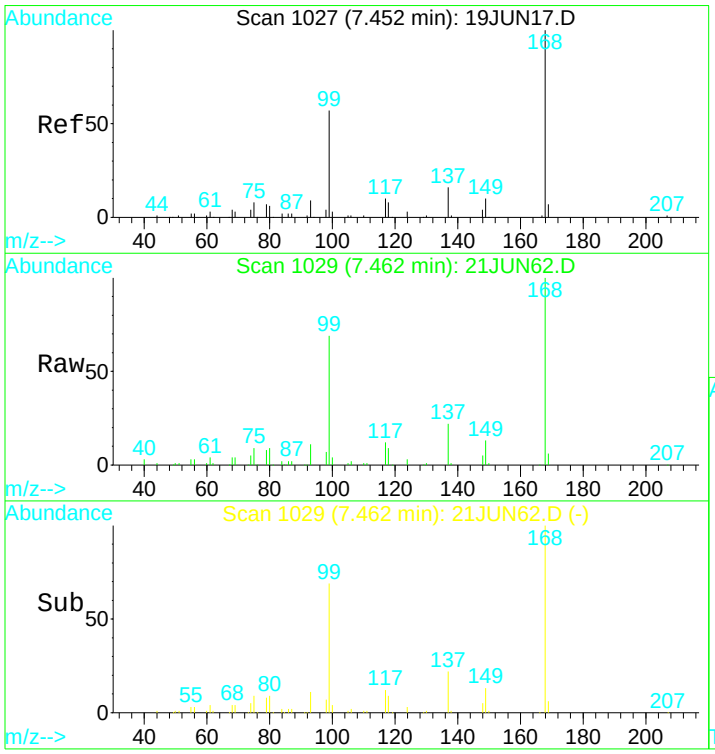
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : D:\DATA\JUN2023C\JUN21\21JUN62.D Vial: 62
Acq On : 22 Jun 2023 6:21 am Operator: MGC
Sample : 2311827-10RE1 Inst : MS-V5
Misc : 5 ;10ML/50ML;pH<2 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jun 22 11:53 2023 Quant Results File: 82605CX.RES

Method : C:\HPCHEM\1\METHODS\C\202306\19-1901\82605CX.M (RTE Integrator)
Title : EPA Method 8260C/DX
Last Update : Thu Jun 22 04:57:10 2023
Response via : Initial Calibration

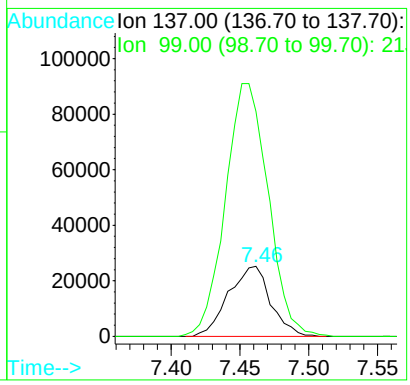


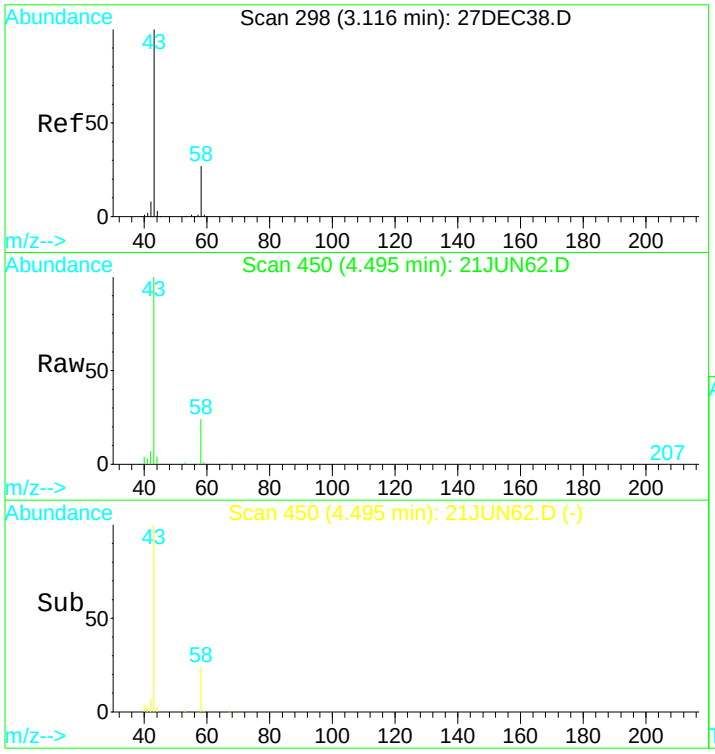


#1
Pentafluorobenzene IS#1
Concen: 10.00 ug/L
RT: 7.46 min Scan# 1029
Delta R.T. 0.01 min
Lab File: 21JUN62.D
Acq: 22 Jun 2023 6:21 am

Tgt Ion:137 Resp: 53659

Ion	Ratio	Lower	Upper
137	100		
99	366.9	248.4	461.4

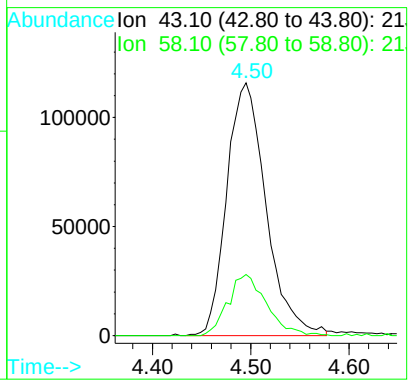


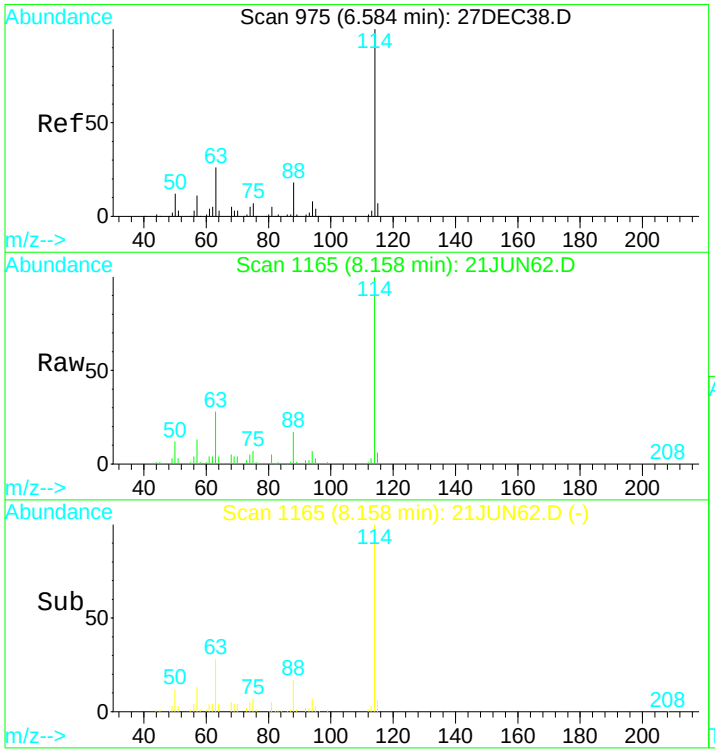


#8
acetone
Concen: 209.45 ug/L
RT: 4.50 min Scan# 450
Delta R.T. -0.00 min
Lab File: 21JUN62.D
Acq: 22 Jun 2023 6:21 am

Tgt Ion: 43 Resp: 321834

Ion	Ratio	Lower	Upper
43	100		
58	23.7	19.4	36.0

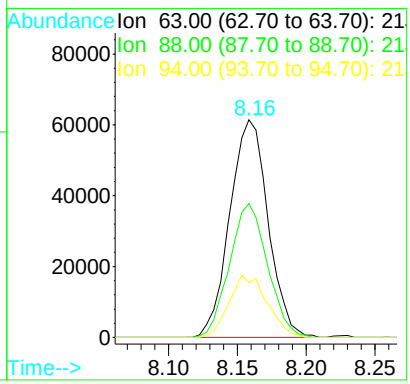


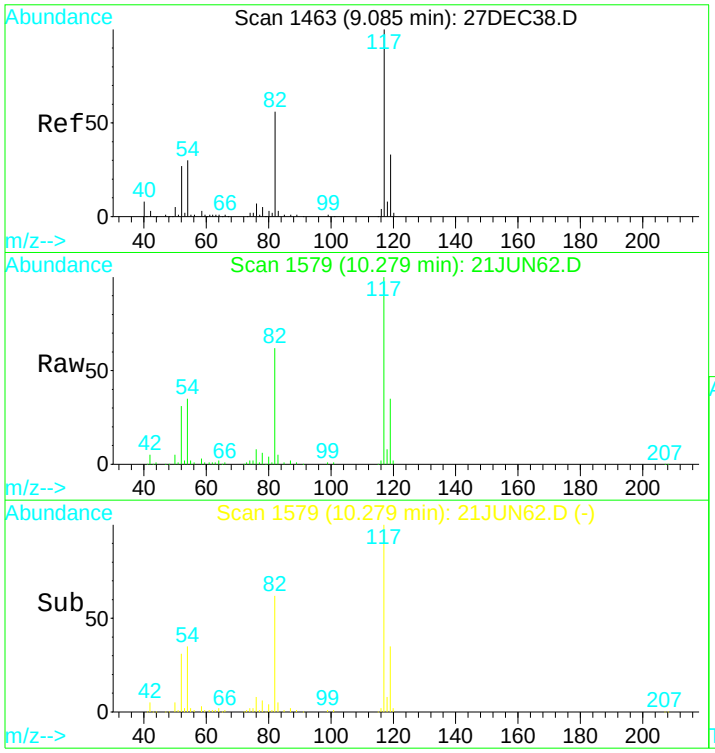


#29
1,4-Difluorobenzene IS#2
Concen: 10.00 ug/L
RT: 8.16 min Scan# 1165
Delta R.T. -0.00 min
Lab File: 21JUN62.D
Acq: 22 Jun 2023 6:21 am

Tgt Ion: 63 Resp: 119159

Ion	Ratio	Lower	Upper
63	100		
88	60.9	45.1	83.7
94	28.3	19.5	36.1

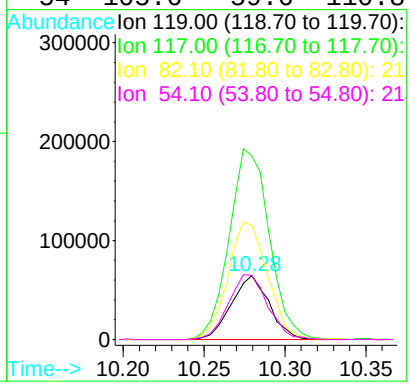




#36
Chlorobenzene d5 IS#3
Concen: 10.00 ug/L
RT: 10.28 min Scan# 1579
Delta R.T. -0.00 min
Lab File: 21JUN62.D
Acq: 22 Jun 2023 6:21 am

Tgt Ion:119 Resp: 104473

Ion	Ratio	Lower	Upper
119	100		
117	317.2	220.4	409.2
82	193.5	126.8	235.6
54	105.6	59.6	110.8



Quantitation Report (QT Reviewed)

Data File : D:\DATA\JUN2023C\JUN21\21JUN59.D Vial: 59
Acq On : 22 Jun 2023 5:08 am Operator: MGC
Sample : 2311827-11 Inst : MS-V5
Misc : 1 ;25ML;pH<2 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jun 22 11:36 2023 Quant Results File: 82605C.RES

Quant Method : C:\HPCHEM\1...\82605C.M (RTE Integrator)
Title : EPA Method 8260C/D
Last Update : Thu Jun 22 11:15:56 2023
Response via : Initial Calibration
DataAcq Meth : 82605

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene IS#1	7.46	137	56063	10.00	ug/L	0.00
26) 1,4-Difluorobenzene IS#2	8.16	63	119004	10.00	ug/L	0.00
41) Chlorobenzene d5 IS#3	10.27	119	110107	10.00	ug/L	0.00
System Monitoring Compounds						
23) 1,2-dichloroethane d4 SMC	7.76	65	149204	10.22	ug/L	0.00
Spiked Amount 10.000	Range 75 - 125		Recovery = 102.20%			
33) Toluene d8 SMC#2	9.30	98	484290	9.74	ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 97.40%			
51) Bromofluorobenzene SMC#3	10.99	95	152522	9.49	ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 94.90%			

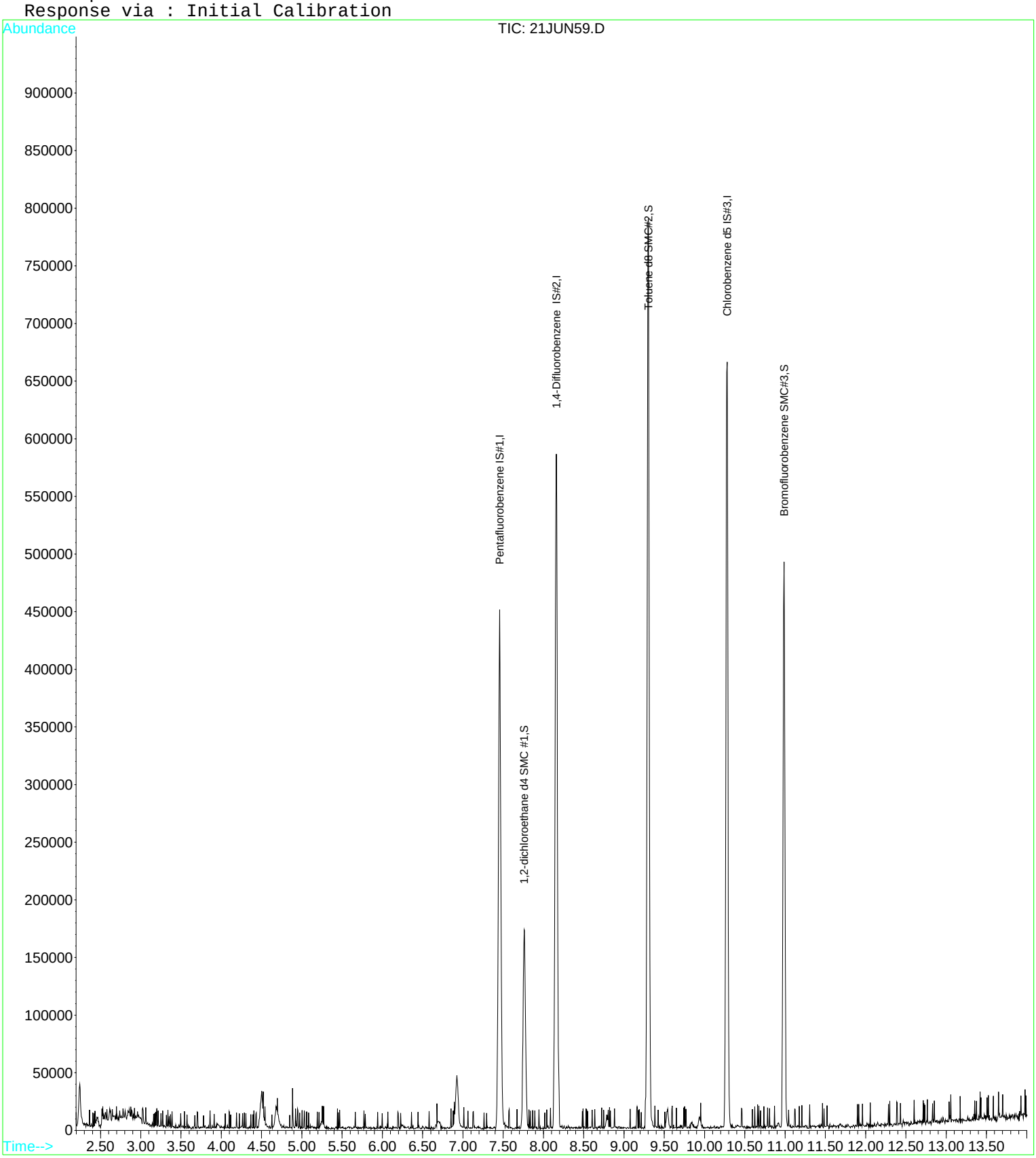
Target Compounds Qvalue

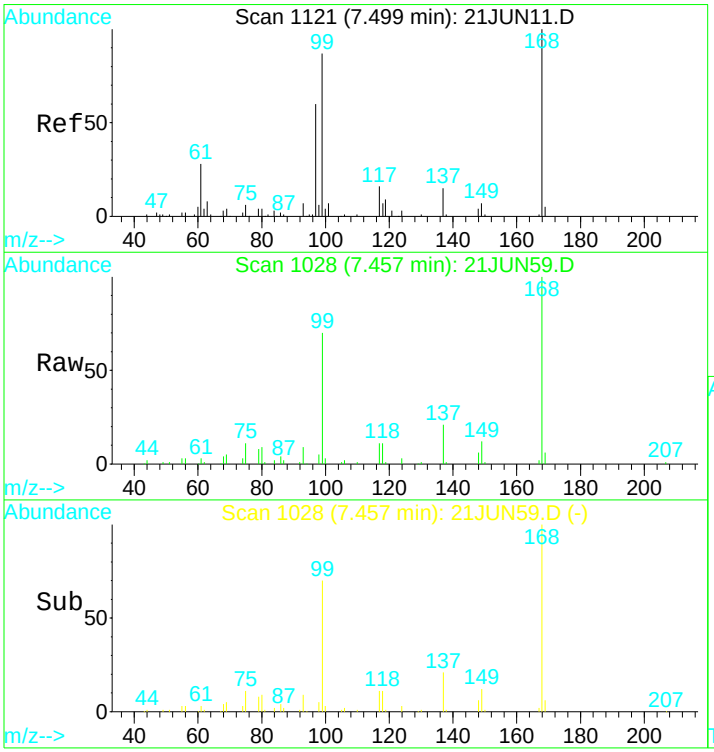
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : D:\DATA\JUN2023C\JUN21\21JUN59.D Vial: 59
Acq On : 22 Jun 2023 5:08 am Operator: MGC
Sample : 2311827-11 Inst : MS-V5
Misc : 1 ;25ML;pH<2 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jun 22 11:36 2023 Quant Results File: 82605C.RES

Method : C:\HPCHEM\1\METHODS\C\202306\21-0902\82605C.M (RTE Integrator)
Title : EPA Method 8260C/D
Last Update : Thu Jun 22 11:15:56 2023
Response via : Initial Calibration

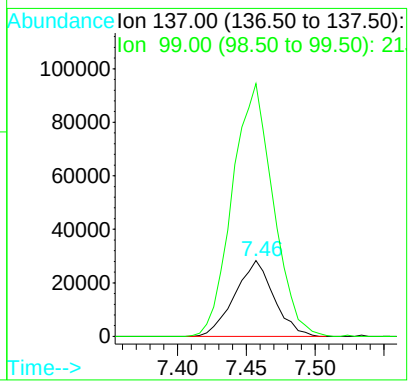


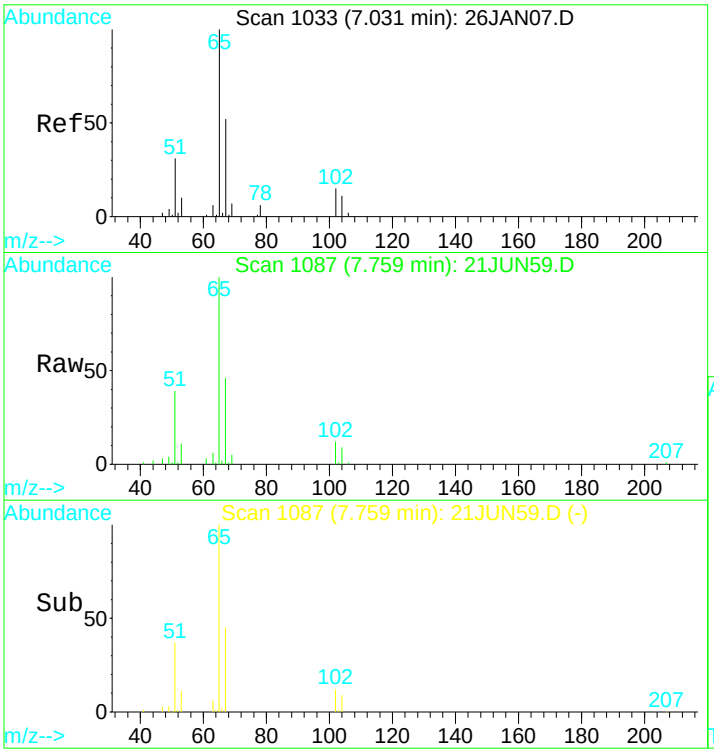


#1
Pentafluorobenzene IS#1
Concen: 10.00 ug/L
RT: 7.46 min Scan# 1028
Delta R.T. 0.00 min
Lab File: 21JUN59.D
Acq: 22 Jun 2023 5:08 am

Tgt Ion:137 Resp: 56063

Ion	Ratio	Lower	Upper
137	100		
99	348.0	1554.0	2886.0#

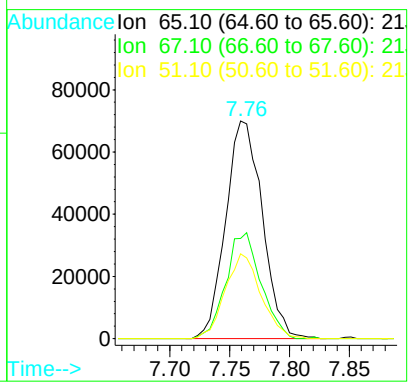


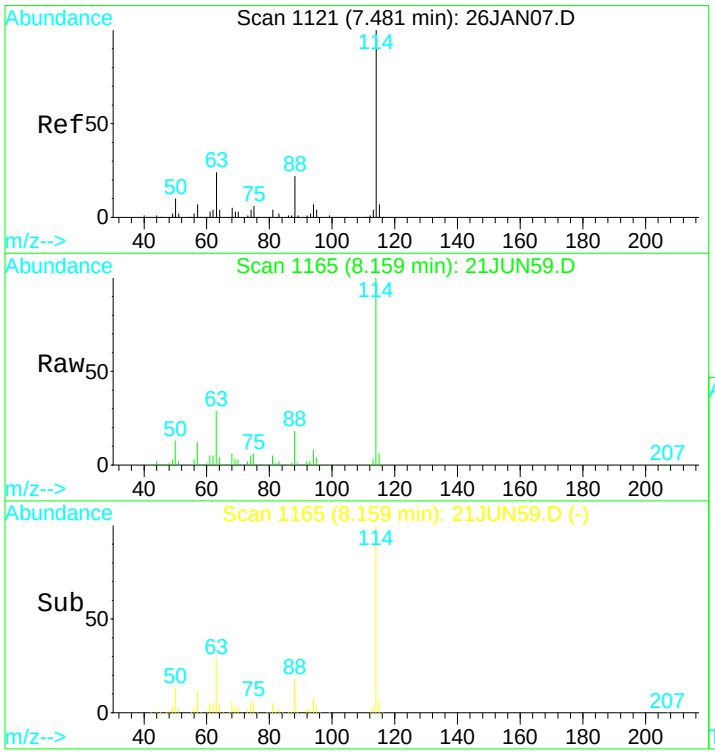


#23
1,2-dichloroethane d4 SMC #1
Concen: N.D. ug/L
RT: 7.76 min Scan# 1087
Delta R.T. -0.00 min
Lab File: 21JUN59.D
Acq: 22 Jun 2023 5:08 am

Tgt Ion: 65 Resp: 149204

Ion	Ratio	Lower	Upper
65	100		
67	46.6	33.0	61.2
51	37.9	440.4	817.8#

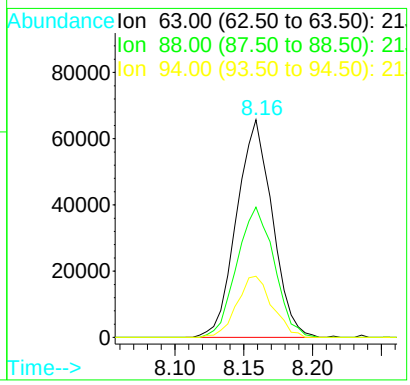


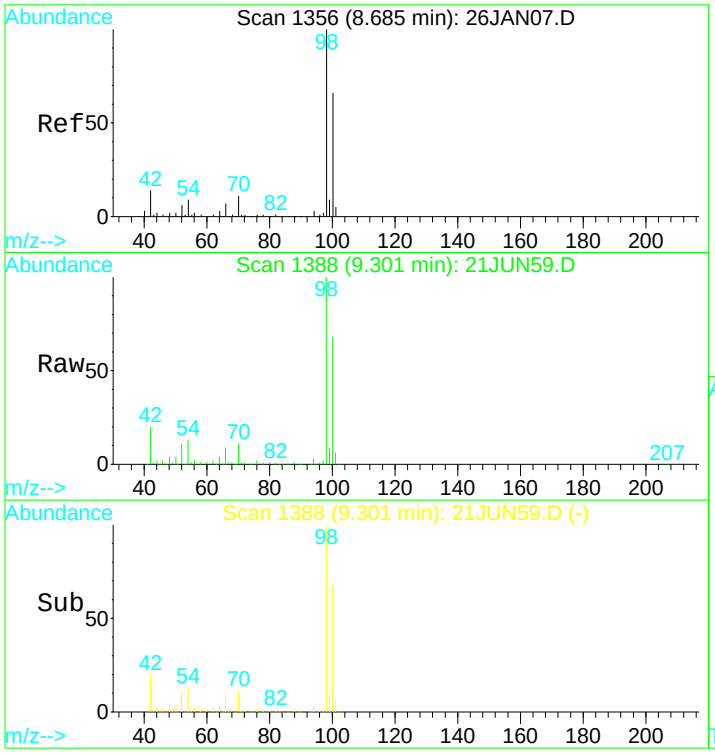


#26
1,4-Difluorobenzene IS#2
Concen: 10.00 ug/L
RT: 8.16 min Scan# 1165
Delta R.T. 0.00 min
Lab File: 21JUN59.D
Acq: 22 Jun 2023 5:08 am

Tgt Ion: 63 Resp: 119004

Ion	Ratio	Lower	Upper
63	100		
88	62.6	43.6	81.0
94	27.8	20.2	37.4

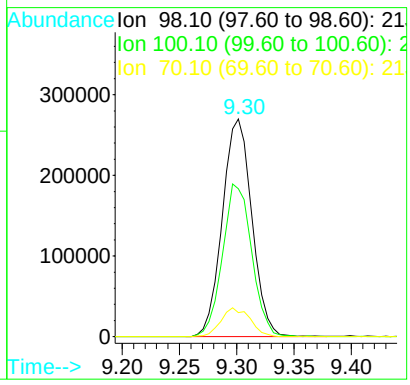


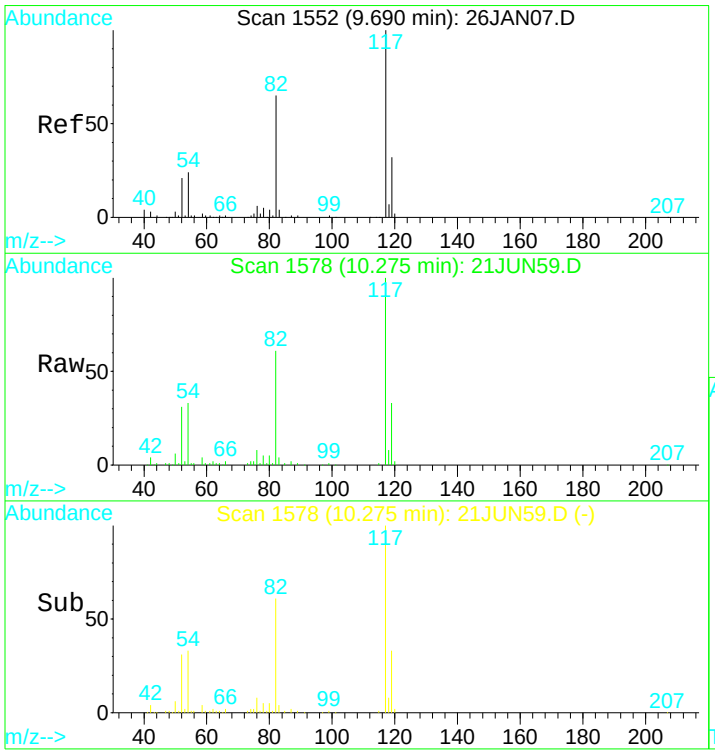


#33
Toluene d8 SMC#2
Concen: N.D. ug/L
RT: 9.30 min Scan# 1388
Delta R.T. 0.01 min
Lab File: 21JUN59.D
Acq: 22 Jun 2023 5:08 am

Tgt Ion: 98 Resp: 484290

Ion	Ratio	Lower	Upper
98	100		
100	69.2	46.8	87.0
70	13.1	9.0	16.6

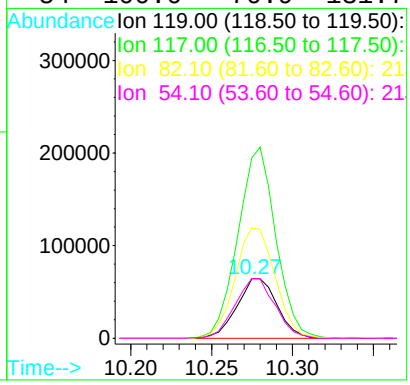


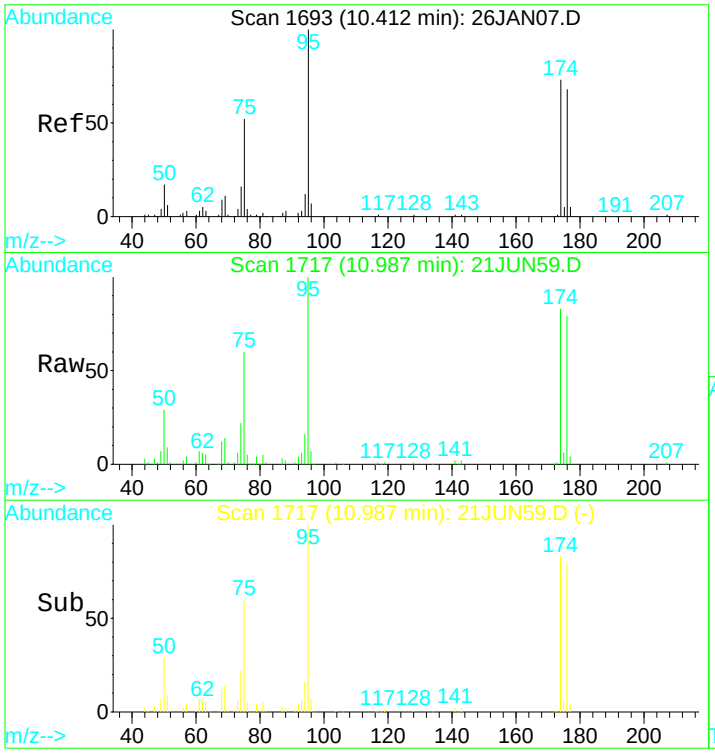


#41
Chlorobenzene d5 IS#3
Concen: 10.00 ug/L
RT: 10.27 min Scan# 1578
Delta R.T. -0.00 min
Lab File: 21JUN59.D
Acq: 22 Jun 2023 5:08 am

Tgt Ion:119 Resp: 110107

Ion	Ratio	Lower	Upper
119	100		
117	304.8	216.7	402.4
82	185.8	131.1	243.5
54	100.0	70.9	131.7

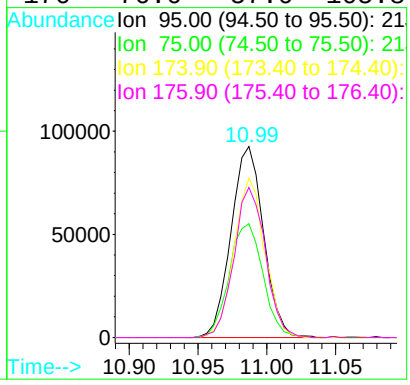




#51
Bromofluorobenzene SMC#3
Concen: N.D. ug/L
RT: 10.99 min Scan# 1717
Delta R.T. 0.00 min
Lab File: 21JUN59.D
Acq: 22 Jun 2023 5:08 am

Tgt Ion: 95 Resp: 152522

Ion	Ratio	Lower	Upper
95	100		
75	61.8	40.3	74.9
174	78.8	58.4	108.6
176	76.0	57.0	105.8



Quantitation Report (QT Reviewed)

Data File : D:\DATA\JUN2023C\JUN21\21JUN59.D Vial: 59
Acq On : 22 Jun 2023 5:08 am Operator: MGC
Sample : 2311827-11 Inst : MS-V5
Misc : 1 ;25ML;pH<2 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jun 22 11:52 2023 Quant Results File: 82605CX.RES

Quant Method : C:\HPCHEM\1...\82605CX.M (RTE Integrator)
Title : EPA Method 8260C/DX
Last Update : Thu Jun 22 04:57:10 2023
Response via : Initial Calibration
DataAcq Meth : 82605

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene IS#1	7.46	137	56063	10.00	ug/L	0.00
29) 1,4-Difluorobenzene IS#2	8.16	63	119004	10.00	ug/L	0.00
36) Chlorobenzene d5 IS#3	10.27	119	110107	10.00	ug/L	0.00

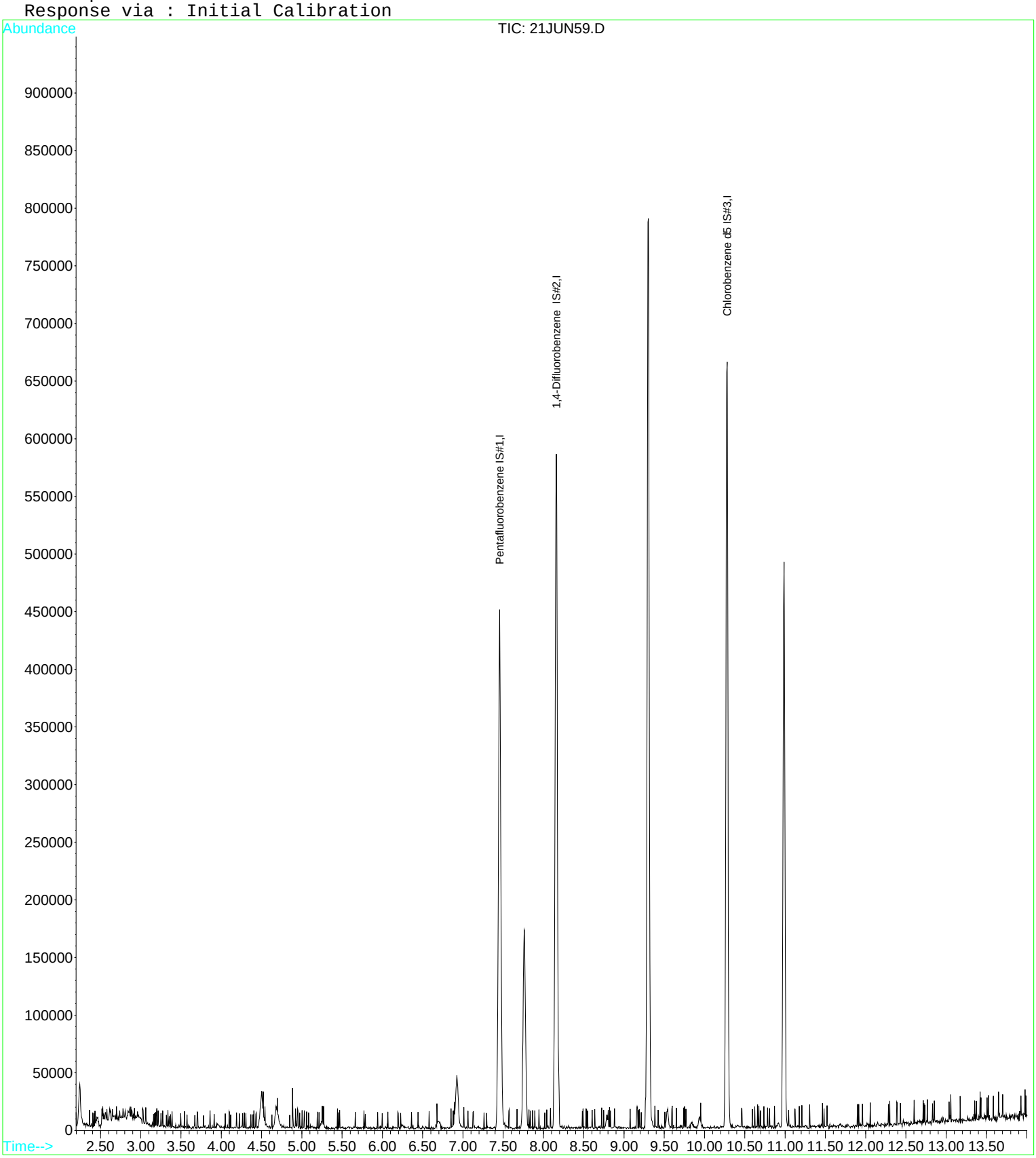
Target Compounds Qvalue

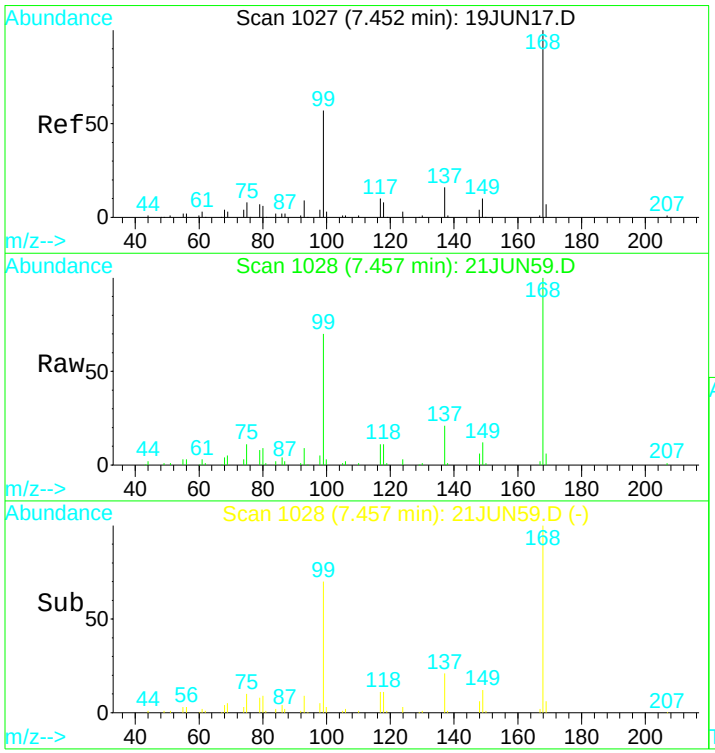
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : D:\DATA\JUN2023C\JUN21\21JUN59.D Vial: 59
Acq On : 22 Jun 2023 5:08 am Operator: MGC
Sample : 2311827-11 Inst : MS-V5
Misc : 1 ;25ML;pH<2 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jun 22 11:52 2023 Quant Results File: 82605CX.RES

Method : C:\HPCHEM\1\METHODS\C\202306\19-1901\82605CX.M (RTE Integrator)
Title : EPA Method 8260C/DX
Last Update : Thu Jun 22 04:57:10 2023
Response via : Initial Calibration

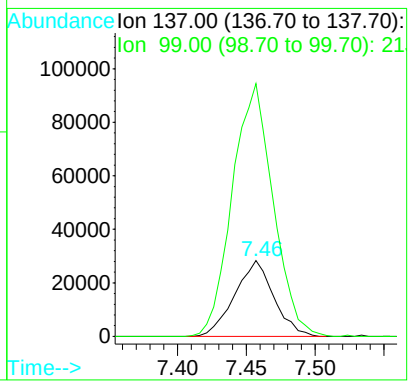


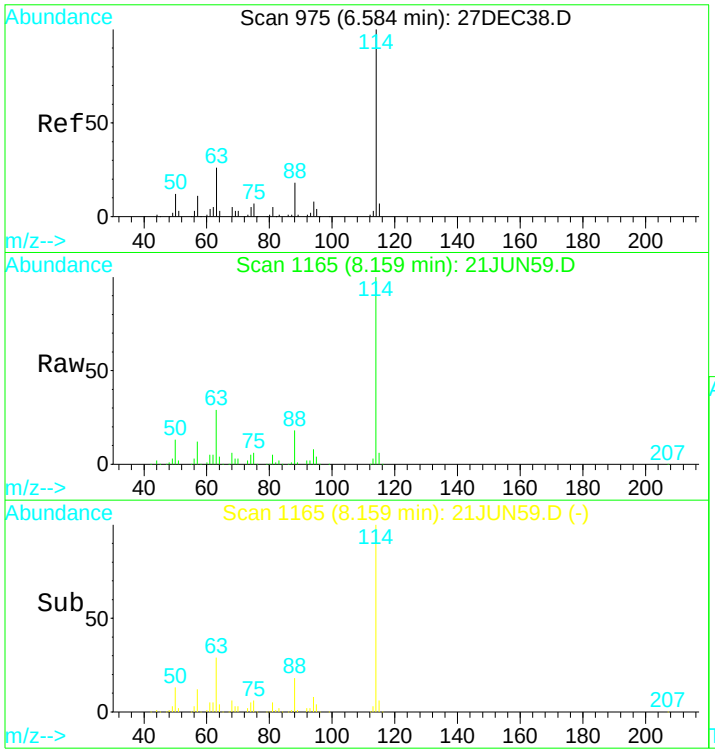


#1
Pentafluorobenzene IS#1
Concen: 10.00 ug/L
RT: 7.46 min Scan# 1028
Delta R.T. 0.01 min
Lab File: 21JUN59.D
Acq: 22 Jun 2023 5:08 am

Tgt Ion:137 Resp: 56063

Ion	Ratio	Lower	Upper
137	100		
99	348.0	248.4	461.4

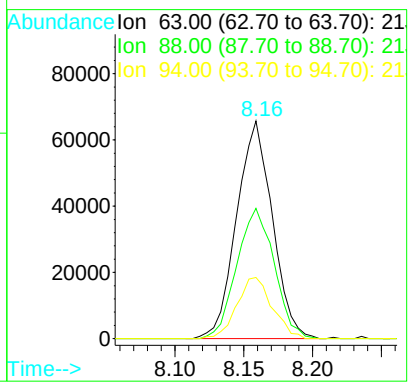


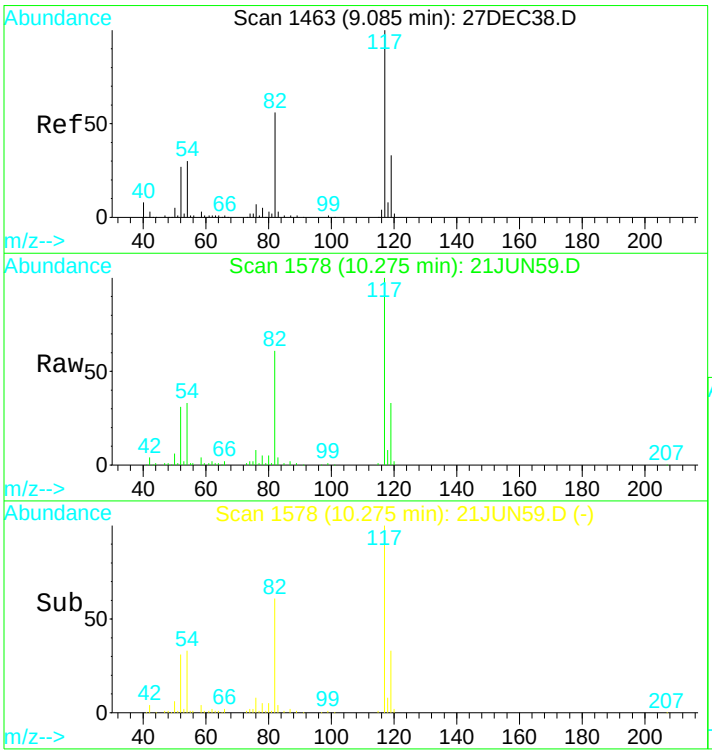


#29
1,4-Difluorobenzene IS#2
Concen: 10.00 ug/L
RT: 8.16 min Scan# 1165
Delta R.T. 0.00 min
Lab File: 21JUN59.D
Acq: 22 Jun 2023 5:08 am

Tgt Ion: 63 Resp: 119004

Ion	Ratio	Lower	Upper
63	100		
88	62.6	45.1	83.7
94	27.8	19.5	36.1

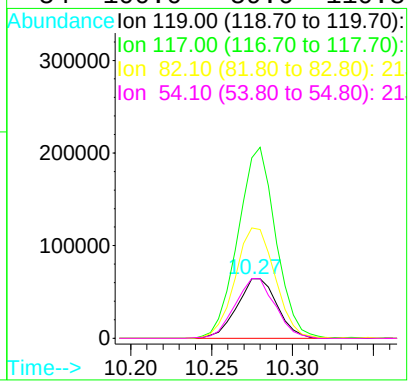




#36
Chlorobenzene d5 IS#3
Concen: 10.00 ug/L
RT: 10.27 min Scan# 1578
Delta R.T. -0.00 min
Lab File: 21JUN59.D
Acq: 22 Jun 2023 5:08 am

Tgt Ion:119 Resp: 110107

Ion	Ratio	Lower	Upper
119	100		
117	304.8	220.4	409.2
82	185.8	126.8	235.6
54	100.0	59.6	110.8



Quantitation Report (QT Reviewed)

Data File : D:\DATA\JUN2023C\JUN21\21JUN60.D Vial: 60
Acq On : 22 Jun 2023 5:32 am Operator: MGC
Sample : 2311827-12 Inst : MS-V5
Misc : 1 ;25ML;pH<2 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jun 22 11:36 2023 Quant Results File: 82605C.RES

Quant Method : C:\HPCHEM\1...\82605C.M (RTE Integrator)
Title : EPA Method 8260C/D
Last Update : Thu Jun 22 11:15:56 2023
Response via : Initial Calibration
DataAcq Meth : 82605

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene IS#1	7.46	137	54345	10.00	ug/L	0.00
26) 1,4-Difluorobenzene IS#2	8.16	63	119814	10.00	ug/L	0.00
41) Chlorobenzene d5 IS#3	10.28	119	106626	10.00	ug/L	0.00
System Monitoring Compounds						
23) 1,2-dichloroethane d4 SMC	7.76	65	149515	10.57	ug/L	0.00
Spiked Amount 10.000	Range 75 - 125		Recovery = 105.70%			
33) Toluene d8 SMC#2	9.30	98	498318	9.95	ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 99.50%			
51) Bromofluorobenzene SMC#3	10.99	95	154510	9.93	ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 99.30%			

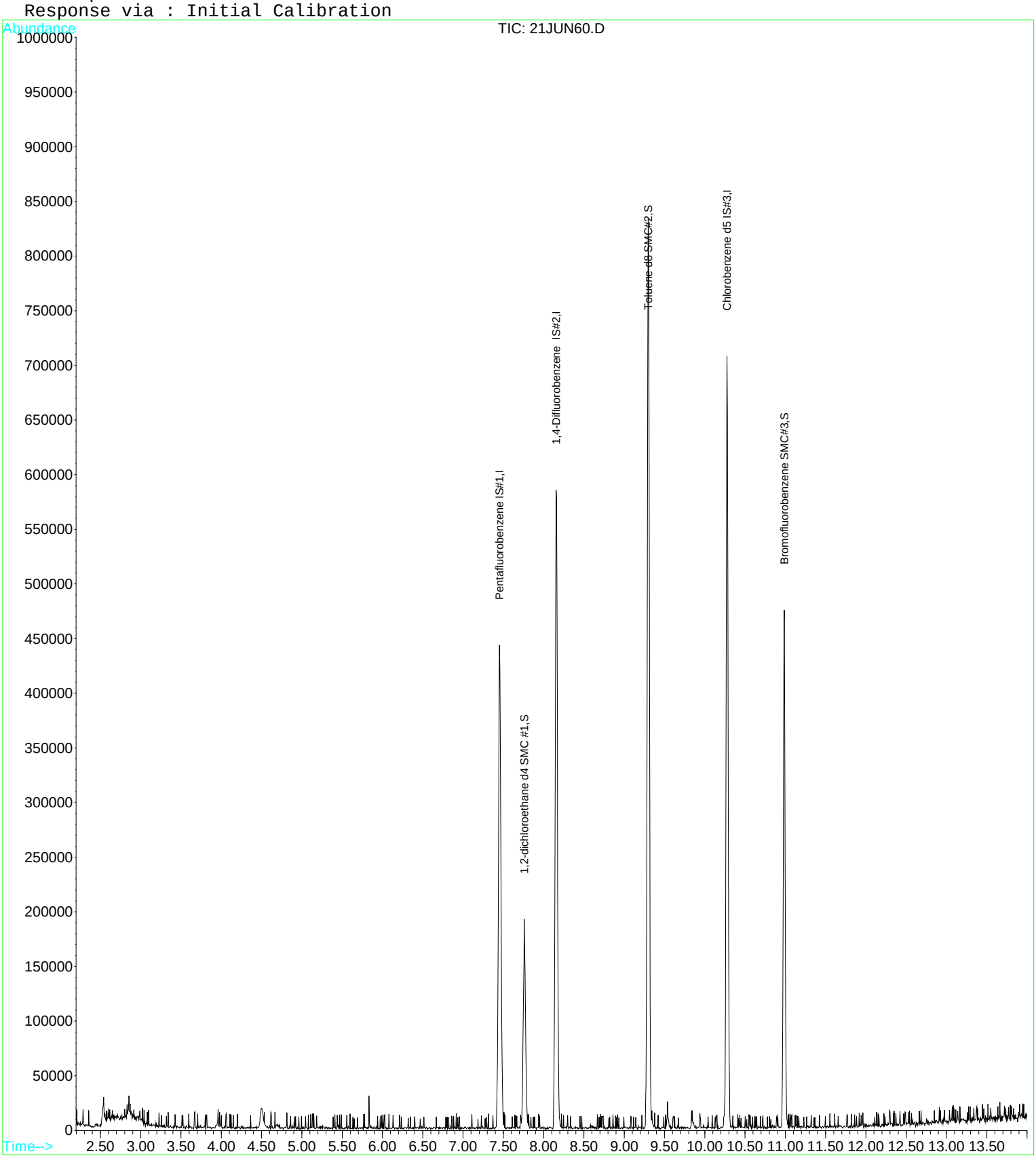
Target Compounds Qvalue

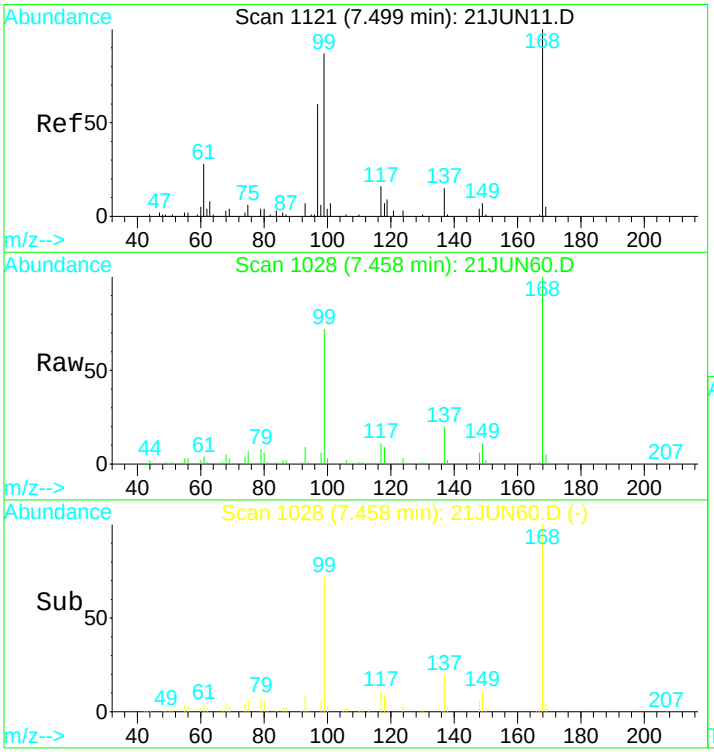
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : D:\DATA\JUN2023C\JUN21\21JUN60.D Vial: 60
Acq On : 22 Jun 2023 5:32 am Operator: MGC
Sample : 2311827-12 Inst : MS-V5
Misc : 1 ;25ML;pH<2 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jun 22 11:36 2023 Quant Results File: 82605C.RES

Method : C:\HPCHEM\1\METHODS\C\202306\21-0902\82605C.M (RTE Integrator)
Title : EPA Method 8260C/D
Last Update : Thu Jun 22 11:15:56 2023
Response via : Initial Calibration

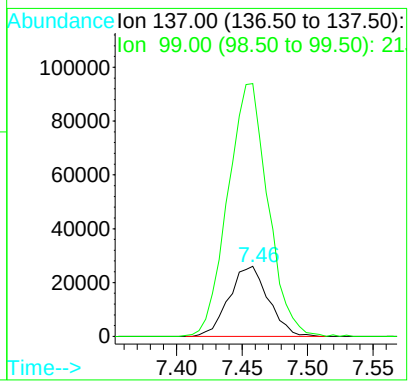


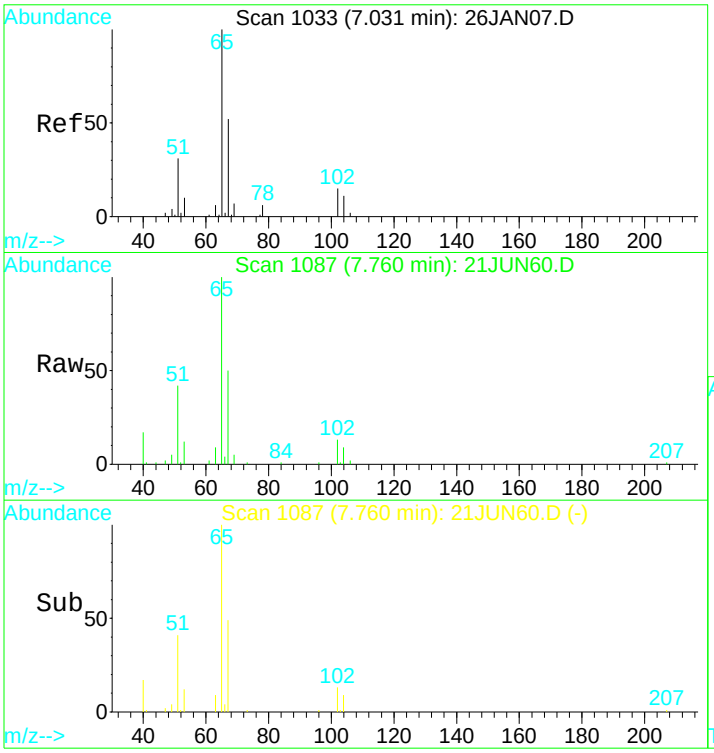


#1
Pentafluorobenzene IS#1
Concen: 10.00 ug/L
RT: 7.46 min Scan# 1028
Delta R.T. 0.00 min
Lab File: 21JUN60.D
Acq: 22 Jun 2023 5:32 am

Tgt Ion:137 Resp: 54345

Ion	Ratio	Lower	Upper
137	100		
99	367.6	1554.0	2886.0#

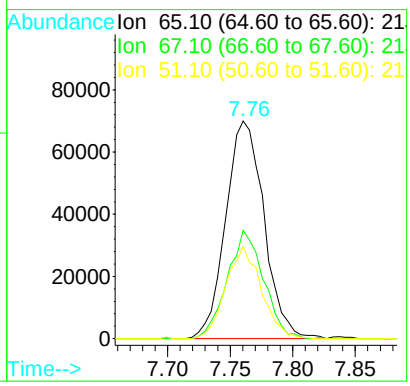


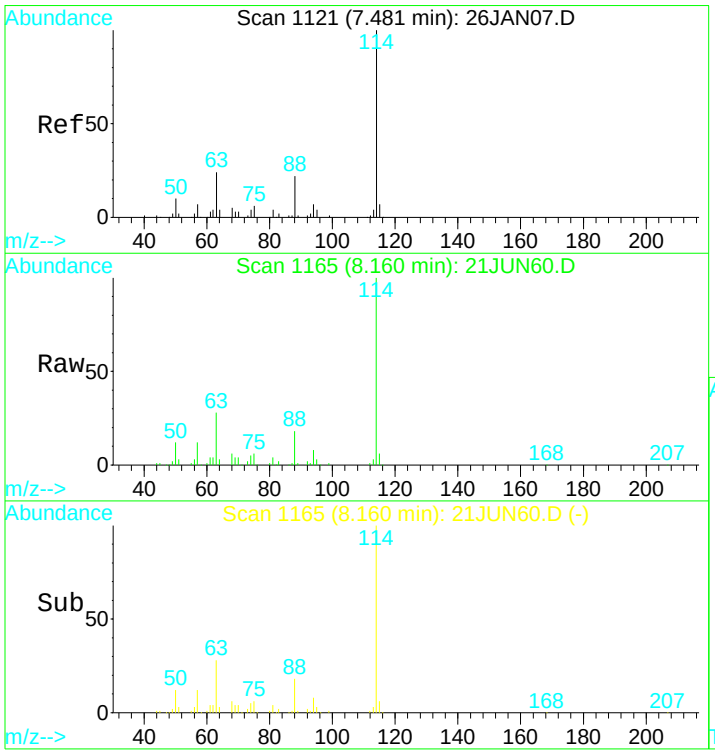


#23
1,2-dichloroethane d4 SMC #1
Concen: N.D. ug/L
RT: 7.76 min Scan# 1087
Delta R.T. -0.00 min
Lab File: 21JUN60.D
Acq: 22 Jun 2023 5:32 am

Tgt Ion: 65 Resp: 149515

Ion	Ratio	Lower	Upper
65	100		
67	47.0	33.0	61.2
51	39.3	440.4	817.8#

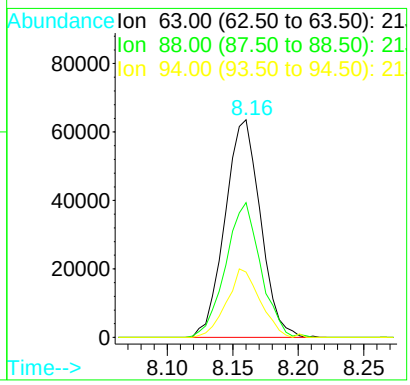


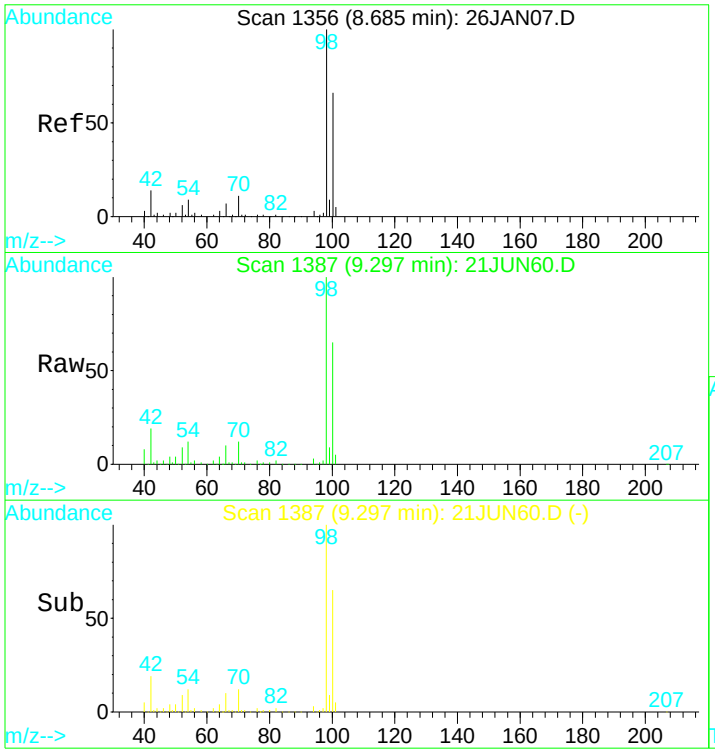


#26
1,4-Difluorobenzene IS#2
Concen: 10.00 ug/L
RT: 8.16 min Scan# 1165
Delta R.T. 0.00 min
Lab File: 21JUN60.D
Acq: 22 Jun 2023 5:32 am

Tgt Ion: 63 Resp: 119814

Ion	Ratio	Lower	Upper
63	100		
88	61.4	43.6	81.0
94	29.7	20.2	37.4

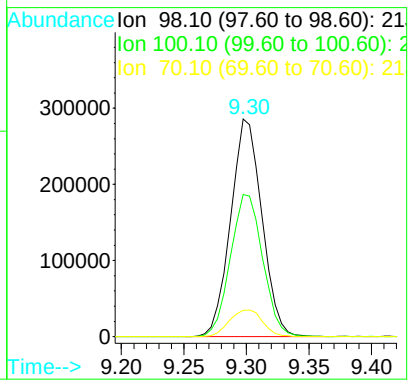


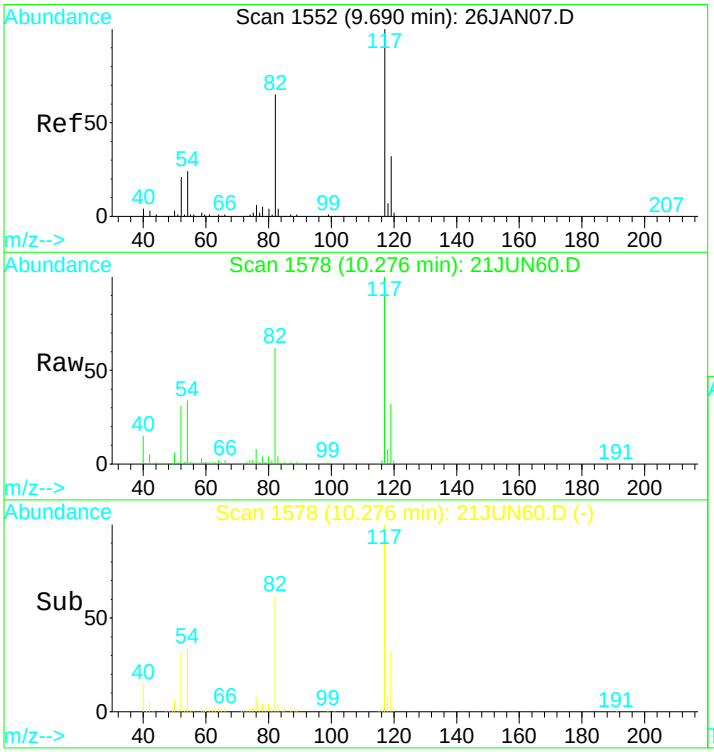


#33
Toluene d8 SMC#2
Concen: N.D. ug/L
RT: 9.30 min Scan# 1387
Delta R.T. 0.00 min
Lab File: 21JUN60.D
Acq: 22 Jun 2023 5:32 am

Tgt Ion: 98 Resp: 498318

Ion	Ratio	Lower	Upper
98	100		
100	67.3	46.8	87.0
70	13.1	9.0	16.6

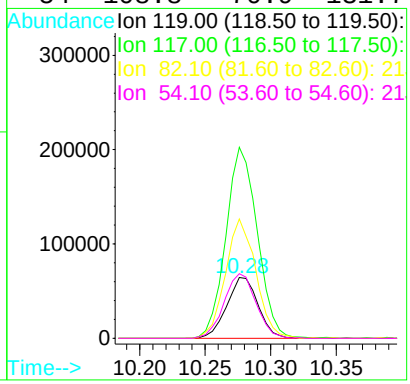


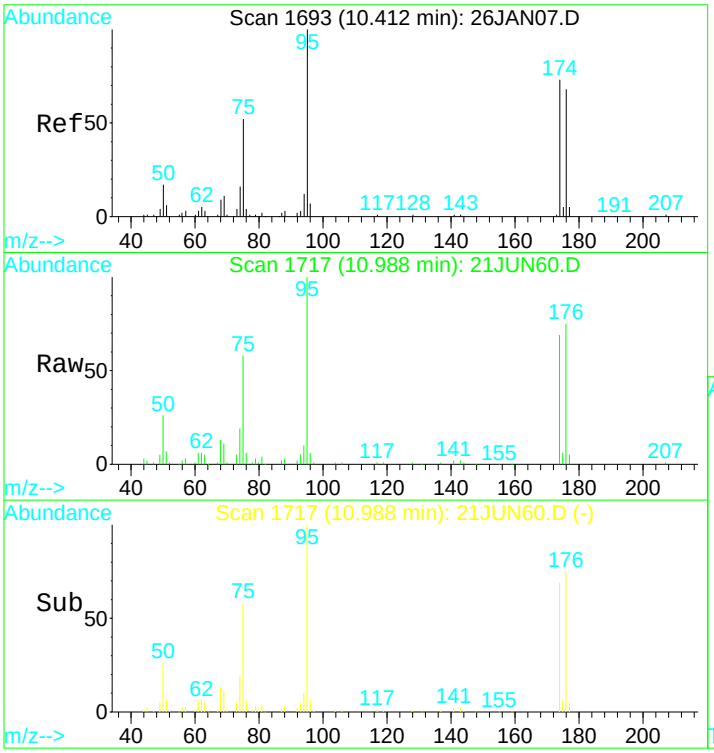


#41
Chlorobenzene d5 IS#3
Concen: 10.00 ug/L
RT: 10.28 min Scan# 1578
Delta R.T. -0.00 min
Lab File: 21JUN60.D
Acq: 22 Jun 2023 5:32 am

Tgt Ion:119 Resp: 106626

Ion	Ratio	Lower	Upper
119	100		
117	316.0	216.7	402.4
82	190.6	131.1	243.5
54	108.8	70.9	131.7

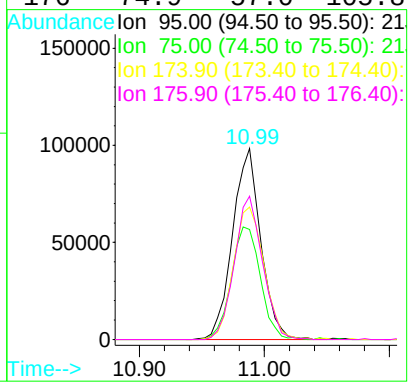




#51
Bromofluorobenzene SMC#3
Concen: N.D. ug/L
RT: 10.99 min Scan# 1717
Delta R.T. 0.00 min
Lab File: 21JUN60.D
Acq: 22 Jun 2023 5:32 am

Tgt Ion: 95 Resp: 154510

Ion	Ratio	Lower	Upper
95	100		
75	60.9	40.3	74.9
174	74.9	58.4	108.6
176	74.9	57.0	105.8



Quantitation Report (QT Reviewed)

Data File : D:\DATA\JUN2023C\JUN21\21JUN60.D Vial: 60
Acq On : 22 Jun 2023 5:32 am Operator: MGC
Sample : 2311827-12 Inst : MS-V5
Misc : 1 ;25ML;pH<2 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jun 22 11:52 2023 Quant Results File: 82605CX.RES

Quant Method : C:\HPCHEM\1...\82605CX.M (RTE Integrator)
Title : EPA Method 8260C/DX
Last Update : Thu Jun 22 04:57:10 2023
Response via : Initial Calibration
DataAcq Meth : 82605

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene IS#1	7.46	137	54345	10.00	ug/L	0.00
29) 1,4-Difluorobenzene IS#2	8.16	63	119814	10.00	ug/L	0.00
36) Chlorobenzene d5 IS#3	10.28	119	106626	10.00	ug/L	0.00

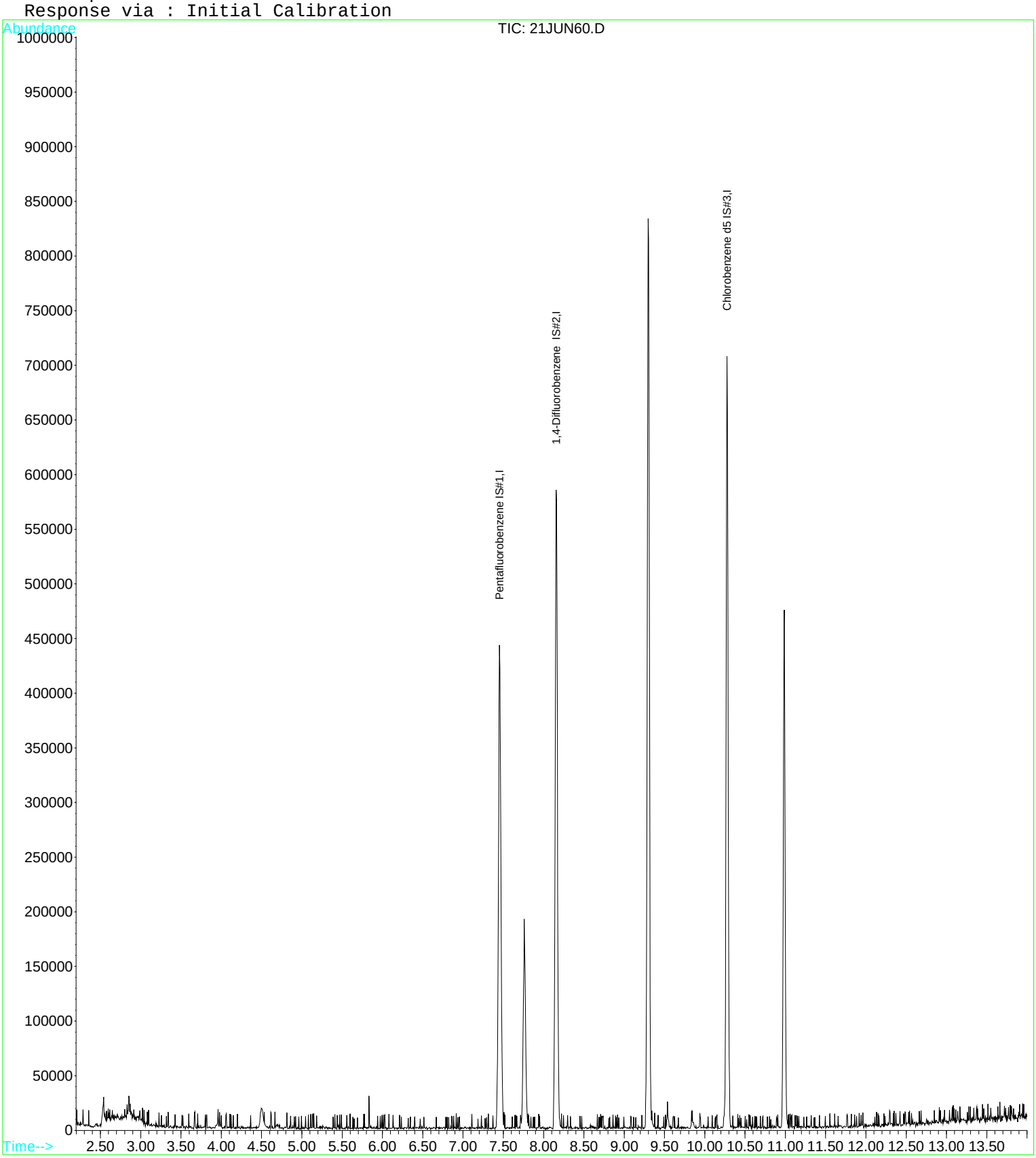
Target Compounds Qvalue

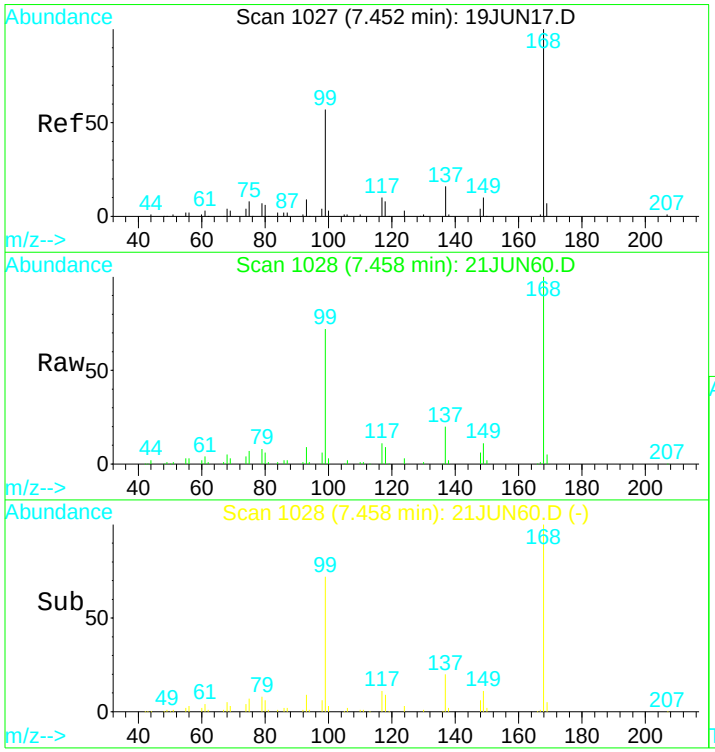
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : D:\DATA\JUN2023C\JUN21\21JUN60.D Vial: 60
Acq On : 22 Jun 2023 5:32 am Operator: MGC
Sample : 2311827-12 Inst : MS-V5
Misc : 1 ;25ML;pH<2 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jun 22 11:52 2023 Quant Results File: 82605CX.RES

Method : C:\HPCHEM\1\METHODS\C\202306\19-1901\82605CX.M (RTE Integrator)
Title : EPA Method 8260C/DX
Last Update : Thu Jun 22 04:57:10 2023
Response via : Initial Calibration

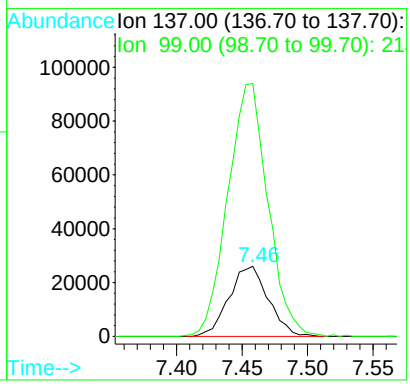


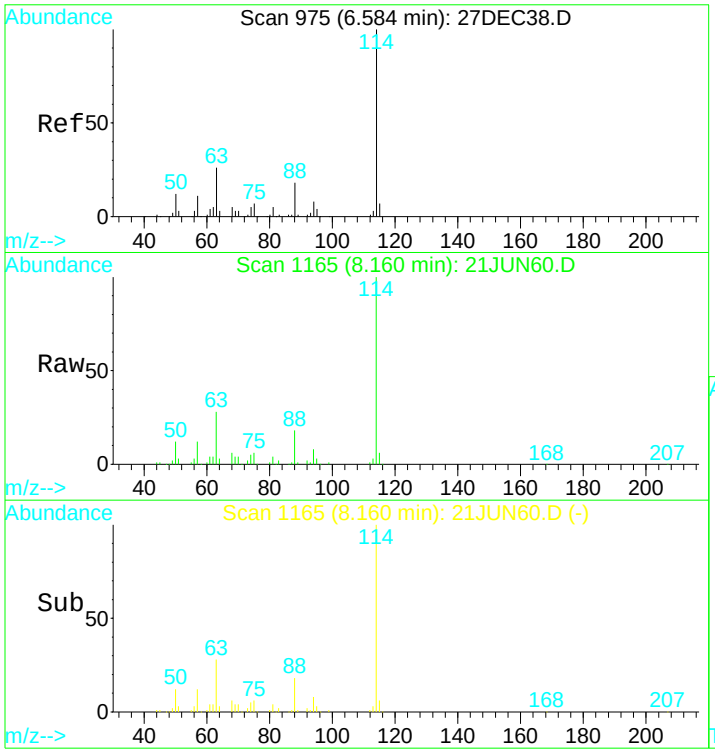


#1
Pentafluorobenzene IS#1
Concen: 10.00 ug/L
RT: 7.46 min Scan# 1028
Delta R.T. 0.01 min
Lab File: 21JUN60.D
Acq: 22 Jun 2023 5:32 am

Tgt Ion:137 Resp: 54345

Ion	Ratio	Lower	Upper
137	100		
99	367.6	248.4	461.4

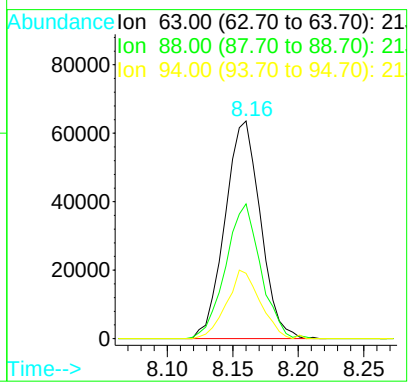


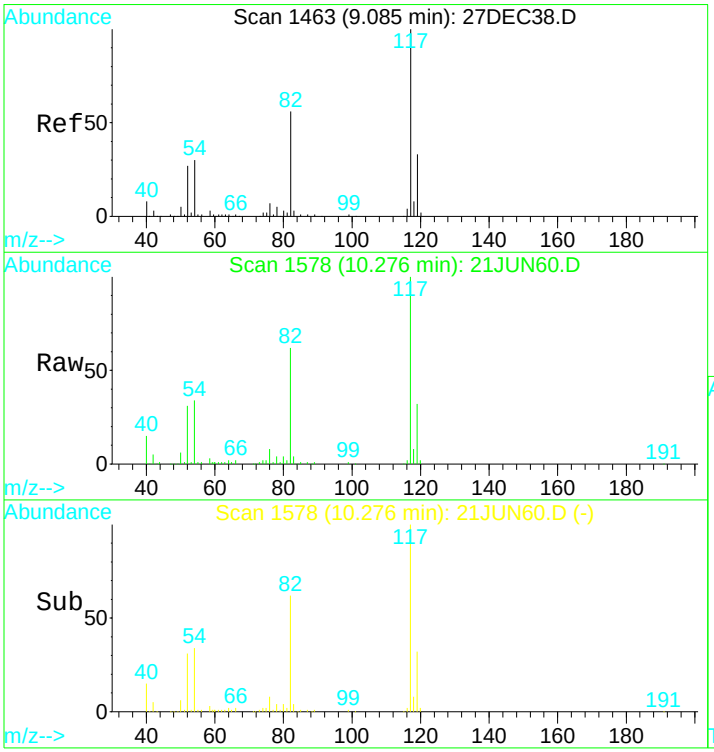


#29
1,4-Difluorobenzene IS#2
Concen: 10.00 ug/L
RT: 8.16 min Scan# 1165
Delta R.T. 0.00 min
Lab File: 21JUN60.D
Acq: 22 Jun 2023 5:32 am

Tgt Ion: 63 Resp: 119814

Ion	Ratio	Lower	Upper
63	100		
88	61.4	45.1	83.7
94	29.7	19.5	36.1

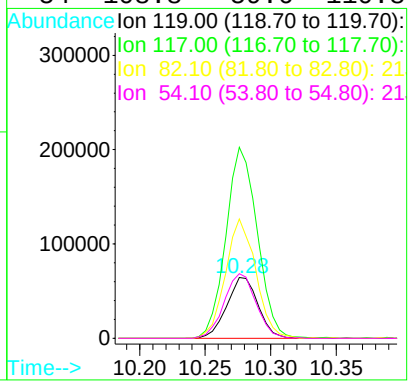




#36
Chlorobenzene d5 IS#3
Concen: 10.00 ug/L
RT: 10.28 min Scan# 1578
Delta R.T. -0.00 min
Lab File: 21JUN60.D
Acq: 22 Jun 2023 5:32 am

Tgt Ion:119 Resp: 106626

Ion	Ratio	Lower	Upper
119	100		
117	316.0	220.4	409.2
82	190.6	126.8	235.6
54	108.8	59.6	110.8



Raw Data - Calibration Standards

Quantitation Report (QT Reviewed)

Data File : D:\DATA\JUN2023C\JUN21\21JUN03.D Vial: 3
Acq On : 21 Jun 2023 6:37 am Operator: MGC
Sample : 2309128-CAL1 Inst : MS-V5
Misc : 1 ;3F21001;25ML Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jun 22 11:08 2023 Quant Results File: 82605C.RES

Quant Method : C:\HPCHEM\1...\82605C.M (RTE Integrator)
Title : EPA Method 8260C/D
Last Update : Thu Jun 22 11:08:22 2023
Response via : Initial Calibration
DataAcq Meth : 82605

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Pentafluorobenzene IS#1	7.46	137	59226	10.00	ug/L		0.00
26) 1,4-Difluorobenzene IS#2	8.16	63	126489	10.00	ug/L		0.00
41) Chlorobenzene d5 IS#3	10.28	119	114997	10.00	ug/L		0.00
System Monitoring Compounds							
23) 1,2-dichloroethane d4 SMC	7.76	65	145111	13.19	ug/L		0.00
Spiked Amount 10.000	Range 75 - 125		Recovery = 131.90%#				
33) Toluene d8 SMC#2	9.30	98	520680	7.22	ug/L		0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 72.20%#				
51) Bromofluorobenzene SMC#3	10.99	95	156677	10.00	ug/L		0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 100.00%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	2.29	85	14059	0.59	ug/L		93
3) Chlorodifluoromethane	2.30	51	6935	0.73	ug/L	#	84
4) Chloromethane	2.53	50	12297	0.80	ug/L		95
5) Vinyl chloride	2.70	62	8909	0.50	ug/L		86
6) Bromomethane	3.18	94	5527	0.41	ug/L		84
7) Chloroethane	3.34	64	8365	0.58	ug/L		93
8) Dichlorofluoromethane	3.66	67	16925	0.58	ug/L	#	74
9) Trichlorofluoromethane	3.71	101	18844	0.60	ug/L		99
10) 1,1,2-Trichloro-1,2,2-trif	4.45	101	9120	0.53	ug/L	#	66
11) 1,1-Dichloroethene	4.44	61	17678	0.66	ug/L	#	85
12) Methylene chloride	5.13	84	9813	0.61	ug/L	#	43
13) MTBE	5.49	73	14697	0.55	ug/L	#	75
14) T-1,2-dichloroethene	5.51	96	9160	0.46	ug/L		77
15) 1,1-Dichloroethane	6.17	63	19957	0.60	ug/L	#	82
16) 2,2-Dichloropropane	6.91	77	18692	0.59	ug/L	#	80
17) Cis-1,2-dichloroethene	6.90	96	9109	0.45	ug/L	#	71
18) Bromochloromethane	7.17	128	2941	0.46	ug/L	#	46
19) Chloroform	7.27	83	17304	0.56	ug/L		81
20) 1,1,1-Trichloroethane	7.45	97	17743	0.55	ug/L	#	1
21) 1,1-Dichloropropene	7.59	75	14030	0.54	ug/L		86
22) Carbon tetrachloride	7.59	119	13043	0.52	ug/L	#	76
24) 1,2-Dichloroethane	7.83	62	11565	0.82	ug/L		97
25) Benzene	7.79	78	38546	0.53	ug/L	#	1
27) Trichloroethene	8.37	130	10060	0.42	ug/L	#	75
28) 1,2-Dichloropropane	8.57	63	9803	0.54	ug/L	#	75
29) Dibromomethane	8.64	93	2264	0.35	ug/L		80
30) Bromodichloromethane	8.78	83	9668	0.43	ug/L		95
31) 2-ceve	8.98	63	9099	2.00	ug/L	#	54
32) Cis-1,3-dichloropropene	9.11	75	9766	0.37	ug/L		94
34) Toluene	9.35	92	20477	0.39	ug/L		81
35) Trans-1,3-dichloropropene	9.51	75	6856	0.37	ug/L	#	80
36) 1,1,2-Trichloroethane	9.64	97	3658	0.37	ug/L	#	85
37) Tetrachloroethene (PCE)	9.71	166	8470	0.33	ug/L	#	64
38) 1,3-Dichloropropane	9.75	76	7383	0.44	ug/L		99
39) Dibromochloromethane	9.90	129	4388	0.36	ug/L	#	28
40) 1,2-Dibromoethane	9.99	107	2771	0.32	ug/L	#	1
42) Chlorobenzene	10.29	112	20093	0.53	ug/L	#	70
43) 1,1,1,2-Tetrachloroethane	10.35	131	6377	0.50	ug/L		98
44) Ethylbenzene	10.34	106	12233	0.55	ug/L		72
45) P+m-Xylene	10.42	106	28293	1.09	ug/L		91
46) O-Xylene	10.66	106	13935	0.55	ug/L		92
47) Styrene	10.67	104	18599	0.50	ug/L	#	77
48) Bromoform	10.80	173	1308	0.33	ug/L	#	55
49) Isopropylbenzene	10.86	105	38314	0.56	ug/L		91
50) 1,1,2,2-Tetrachloroethane	11.04	83	3057	0.50	ug/L		89

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

Quantitation Report (QT Reviewed)

Data File : D:\DATA\JUN2023C\JUN21\21JUN03.D Vial: 3
Acq On : 21 Jun 2023 6:37 am Operator: MGC
Sample : 2309128-CAL1 Inst : MS-V5
Misc : 1 ;3F21001;25ML Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jun 22 11:08 2023 Quant Results File: 82605C.RES

Quant Method : C:\HPCHEM\1...\82605C.M (RTE Integrator)
Title : EPA Method 8260C/D
Last Update : Thu Jun 22 11:08:22 2023
Response via : Initial Calibration
DataAcq Meth : 82605

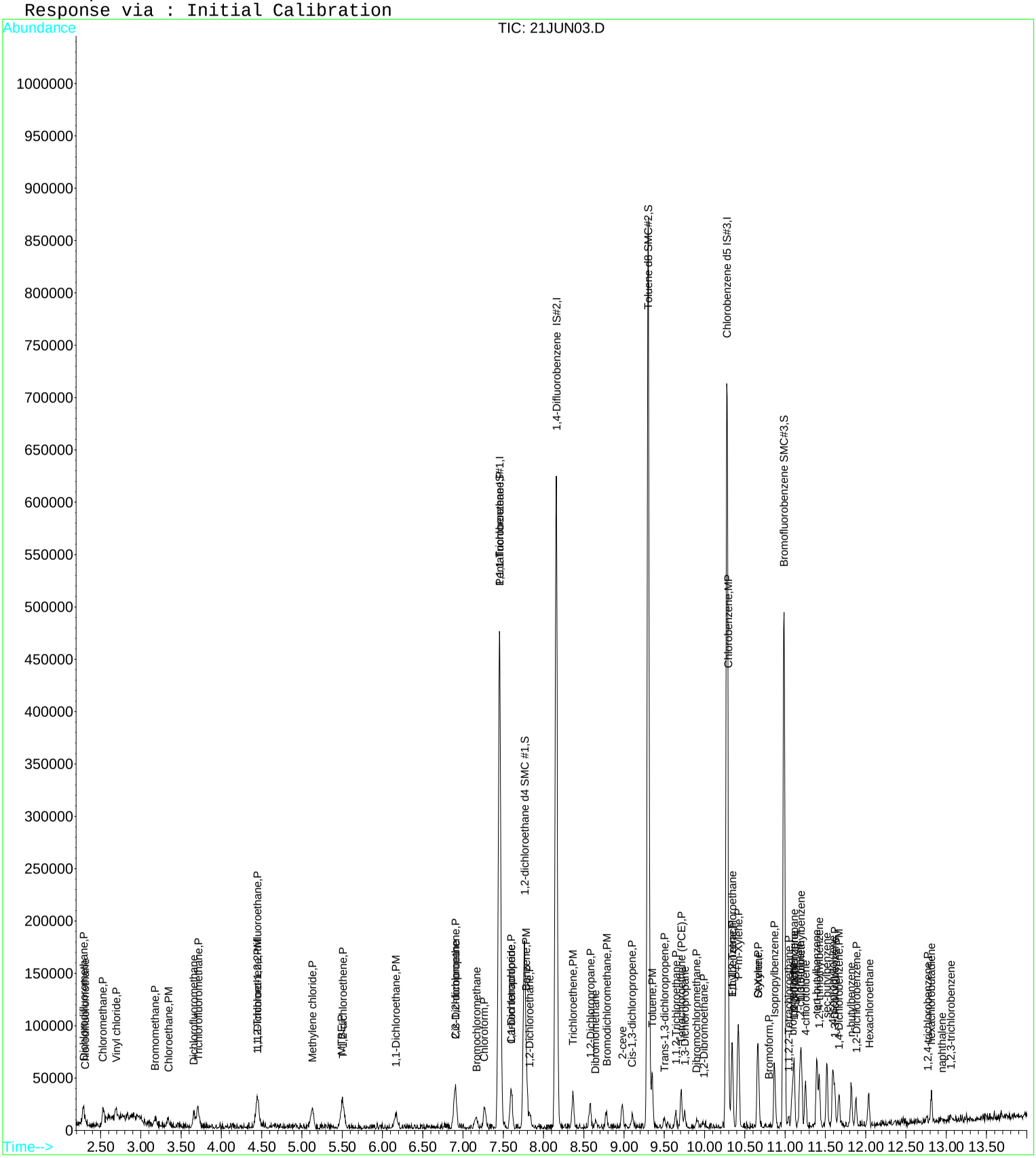
	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
52)	1,2,3-Trichloropropane	11.10	110	898	0.49	ug/L	#	47
53)	n-propylbenzene	11.11	91	46151	0.61	ug/L		100
54)	bromobenzene	11.09	156	7218	0.54	ug/L	#	51
55)	1,3,5-trimethylbenzene	11.20	105	31072	0.58	ug/L		90
56)	2-chlorotoluene	11.18	91	31715	0.63	ug/L		94
57)	4-chlorotoluene	11.25	91	24330	0.55	ug/L		100
58)	tert-butylbenzene	11.40	119	30875	0.55	ug/L		88
59)	1,2,4-trimethylbenzene	11.42	105	27846	0.54	ug/L		85
60)	sec-butylbenzene	11.51	105	40226	0.57	ug/L	#	85
61)	4-isopropyltoluene	11.59	119	29694	0.54	ug/L	#	87
62)	1,3-Dichlorobenzene	11.61	146	14219	0.55	ug/L		94
63)	1,4-Dichlorobenzene	11.67	146	13158	0.52	ug/L	#	95
64)	n-butylbenzene	11.82	91	20959	0.45	ug/L	#	85
65)	1,2-Dichlorobenzene	11.88	146	11002	0.50	ug/L		86
66)	Hexachloroethane	12.04	117	2885	0.29	ug/L	#	72
68)	1,2,4-trichlorobenzene	12.76	180	1953	0.52	ug/L		94
69)	hexachlorobutadiene	12.82	225	5422	0.44	ug/L	#	69
70)	naphthalene	12.94	128	1624	0.40	ug/L		100
71)	1,2,3-trichlorobenzene	13.06	180	1701	0.57	ug/L	#	59

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

Quantitation Report

Data File : D:\DATA\JUN2023C\JUN21\21JUN03.D Vial: 3
Acq On : 21 Jun 2023 6:37 am Operator: MGC
Sample : 2309128-CAL1 Inst : MS-V5
Misc : 1 ;3F21001;25ML Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jun 22 11:08 2023 Quant Results File: 82605C.RES

Method : C:\HPCHEM\1\METHODS\C\202306\21-0902\82605C.M (RTE Integrator)
Title : EPA Method 8260C/D
Last Update : Thu Jun 22 11:08:22 2023
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : D:\DATA\JUN2023C\JUN21\21JUN05.D Vial: 5
Acq On : 21 Jun 2023 7:26 am Operator: MGC
Sample : 2309128-CAL2 Inst : MS-V5
Misc : 1 ;3F21002;25ML Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jun 22 11:09 2023 Quant Results File: 82605C.RES

Quant Method : C:\HPCHEM\1...\82605C.M (RTE Integrator)
Title : EPA Method 8260C/D
Last Update : Thu Jun 22 11:08:22 2023
Response via : Initial Calibration
DataAcq Meth : 82605

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Pentafluorobenzene IS#1	7.45	137	55587	10.00	ug/L		0.00
26) 1,4-Difluorobenzene IS#2	8.16	63	119905	10.00	ug/L		0.00
41) Chlorobenzene d5 IS#3	10.28	119	110863	10.00	ug/L		0.00
System Monitoring Compounds							
23) 1,2-dichloroethane d4 SMC	7.76	65	145652	14.10	ug/L		0.00
Spiked Amount 10.000	Range 75 - 125		Recovery = 141.00%#				
33) Toluene d8 SMC#2	9.30	98	513330	7.51	ug/L		0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 75.10%#				
51) Bromofluorobenzene SMC#3	10.98	95	163932	10.85	ug/L		0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 108.50%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	2.28	85	25478	1.13	ug/L		98
3) Chlorodifluoromethane	2.30	51	11141	1.24	ug/L	#	90
4) Chloromethane	2.53	50	24166	1.67	ug/L		98
5) Vinyl chloride	2.69	62	16239	0.97	ug/L		97
6) Bromomethane	3.18	94	9432	0.75	ug/L	#	59
7) Chloroethane	3.34	64	15138	1.12	ug/L		98
8) Dichlorofluoromethane	3.67	67	31171	1.13	ug/L	#	86
9) Trichlorofluoromethane	3.71	101	33108	1.13	ug/L		100
10) 1,1,2-Trichloro-1,2,2-trif	4.46	101	15641	0.97	ug/L	#	78
11) 1,1-Dichloroethene	4.45	61	31873	1.27	ug/L	#	86
12) Methylene chloride	5.13	84	15765	1.04	ug/L	#	45
13) MTBE	5.49	73	27457	1.10	ug/L	#	84
14) T-1,2-dichloroethene	5.52	96	16763	0.90	ug/L		81
15) 1,1-Dichloroethane	6.17	63	39033	1.25	ug/L		94
16) 2,2-Dichloropropane	6.91	77	33433	1.12	ug/L	#	80
17) Cis-1,2-dichloroethene	6.90	96	16034	0.85	ug/L	#	73
18) Bromochloromethane	7.17	128	5024	0.84	ug/L	#	33
19) Chloroform	7.27	83	30915	1.06	ug/L		73
20) 1,1,1-Trichloroethane	7.44	97	35269	1.16	ug/L	#	1
21) 1,1-Dichloropropene	7.60	75	24191	1.00	ug/L	#	86
22) Carbon tetrachloride	7.60	119	24165	1.03	ug/L	#	77
24) 1,2-Dichloroethane	7.84	62	20301	1.53	ug/L	#	83
25) Benzene	7.79	78	67435	1.00	ug/L	#	30
27) Trichloroethene	8.37	130	16981	0.74	ug/L		86
28) 1,2-Dichloropropane	8.59	63	19140	1.11	ug/L	#	74
29) Dibromomethane	8.64	93	5282	0.85	ug/L	#	75
30) Bromodichloromethane	8.78	83	17701	0.83	ug/L		93
31) 2-ceve	8.97	63	16241	3.77	ug/L	#	58
32) Cis-1,3-dichloropropene	9.10	75	19506	0.77	ug/L	#	88
34) Toluene	9.35	92	38132	0.76	ug/L		80
35) Trans-1,3-dichloropropene	9.50	75	13196	0.75	ug/L		99
36) 1,1,2-Trichloroethane	9.64	97	6619	0.70	ug/L	#	81
37) Tetrachloroethene (PCE)	9.71	166	17001	0.70	ug/L	#	77
38) 1,3-Dichloropropane	9.75	76	14086	0.88	ug/L		96
39) Dibromochloromethane	9.91	129	7304	0.64	ug/L	#	92
40) 1,2-Dibromoethane	9.99	107	6156	0.76	ug/L	#	41
42) Chlorobenzene	10.30	112	38697	1.06	ug/L		82
43) 1,1,1,2-Tetrachloroethane	10.34	131	11567	0.93	ug/L		99
44) Ethylbenzene	10.34	106	23076	1.07	ug/L		71
45) P+m-Xylene	10.42	106	56913	2.26	ug/L		98
46) O-Xylene	10.66	106	26144	1.08	ug/L		90
47) Styrene	10.67	104	34399	0.96	ug/L	#	78
48) Bromoform	10.80	173	2546	0.67	ug/L	#	37
49) Isopropylbenzene	10.87	105	71050	1.08	ug/L		95
50) 1,1,2,2-Tetrachloroethane	11.04	83	7246	1.23	ug/L	#	68

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

Quantitation Report (QT Reviewed)

Data File : D:\DATA\JUN2023C\JUN21\21JUN05.D Vial: 5
Acq On : 21 Jun 2023 7:26 am Operator: MGC
Sample : 2309128-CAL2 Inst : MS-V5
Misc : 1 ;3F21002;25ML Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jun 22 11:09 2023 Quant Results File: 82605C.RES

Quant Method : C:\HPCHEM\1...\82605C.M (RTE Integrator)
Title : EPA Method 8260C/D
Last Update : Thu Jun 22 11:08:22 2023
Response via : Initial Calibration
DataAcq Meth : 82605

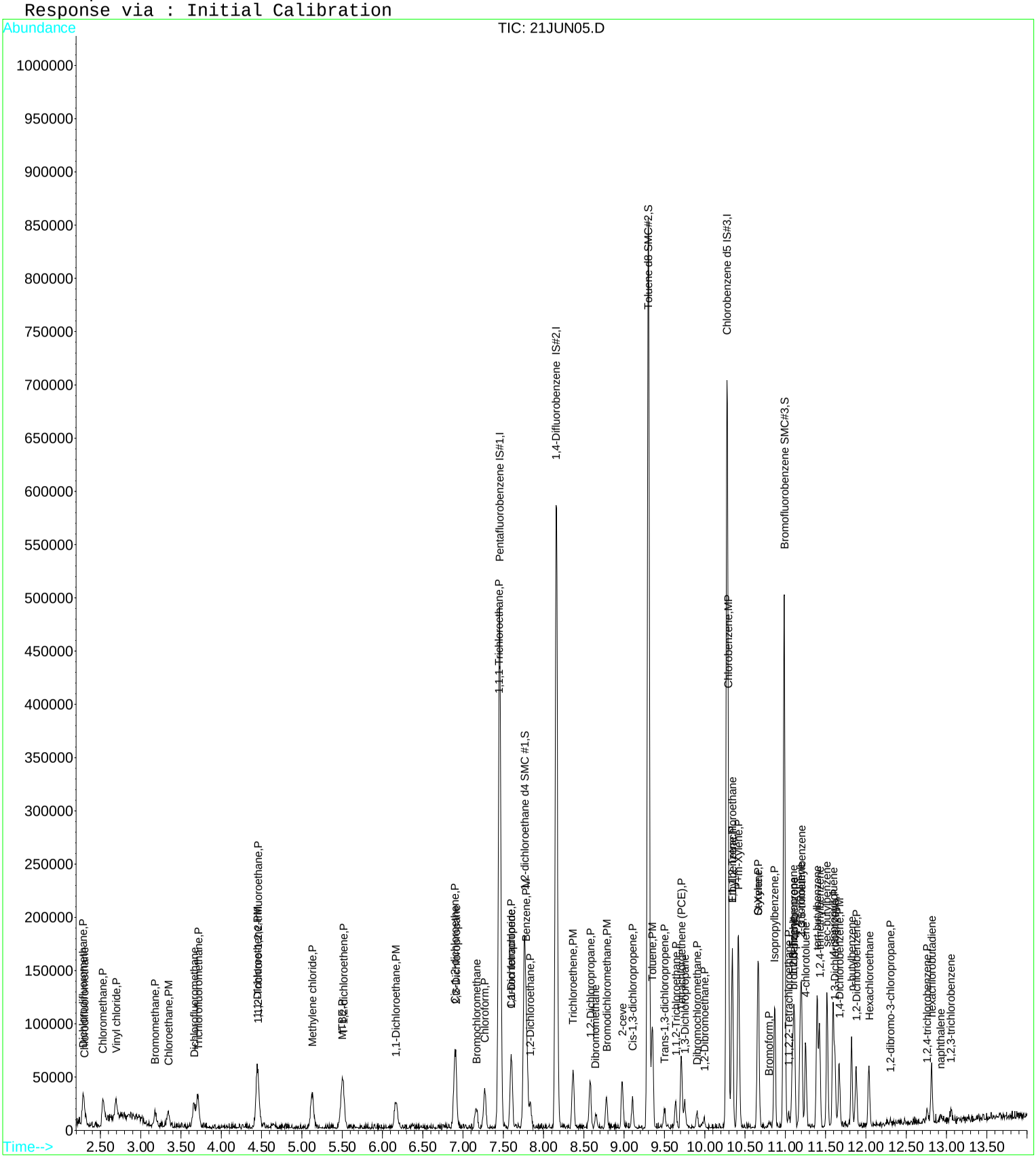
	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
52)	1,2,3-Trichloropropane	11.10	110	2138	1.21	ug/L	#	66
53)	n-propylbenzene	11.11	91	84857	1.17	ug/L		99
54)	bromobenzene	11.09	156	12221	0.95	ug/L	#	28
55)	1,3,5-trimethylbenzene	11.20	105	56000	1.09	ug/L		81
56)	2-chlorotoluene	11.19	91	59035	1.22	ug/L		99
57)	4-chlorotoluene	11.25	91	48461	1.14	ug/L		96
58)	tert-butylbenzene	11.40	119	59419	1.09	ug/L		93
59)	1,2,4-trimethylbenzene	11.42	105	52134	1.05	ug/L	#	77
60)	sec-butylbenzene	11.52	105	75859	1.11	ug/L	#	85
61)	4-isopropyltoluene	11.59	119	55637	1.05	ug/L		89
62)	1,3-Dichlorobenzene	11.62	146	25622	1.04	ug/L		88
63)	1,4-Dichlorobenzene	11.66	146	24471	1.00	ug/L	#	94
64)	n-butylbenzene	11.82	91	45059	1.00	ug/L		82
65)	1,2-Dichlorobenzene	11.88	146	21827	1.03	ug/L		87
66)	Hexachloroethane	12.04	117	6607	0.70	ug/L	#	72
67)	1,2-dibromo-3-chloropropan	12.30	75	718	1.21	ug/L	#	53
68)	1,2,4-trichlorobenzene	12.76	180	4527	0.77	ug/L		94
69)	hexachlorobutadiene	12.82	225	10269	0.87	ug/L	#	73
70)	naphthalene	12.93	128	5921	0.86	ug/L		100
71)	1,2,3-trichlorobenzene	13.05	180	3255	0.77	ug/L	#	87

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

Quantitation Report

Data File : D:\DATA\JUN2023C\JUN21\21JUN05.D Vial: 5
Acq On : 21 Jun 2023 7:26 am Operator: MGC
Sample : 2309128-CAL2 Inst : MS-V5
Misc : 1 ;3F21002;25ML Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jun 22 11:09 2023 Quant Results File: 82605C.RES

Method : C:\HPCHEM\1\METHODS\C\202306\21-0902\82605C.M (RTE Integrator)
Title : EPA Method 8260C/D
Last Update : Thu Jun 22 11:08:22 2023
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : D:\DATA\JUN2023C\JUN21\21JUN06.D Vial: 6
Acq On : 21 Jun 2023 7:50 am Operator: MGC
Sample : 2309128-CAL3 Inst : MS-V5
Misc : 1 ;3F21003;25ML Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jun 22 11:09 2023 Quant Results File: 82605C.RES

Quant Method : C:\HPCHEM\1...\82605C.M (RTE Integrator)
Title : EPA Method 8260C/D
Last Update : Thu Jun 22 11:08:22 2023
Response via : Initial Calibration
DataAcq Meth : 82605

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Pentafluorobenzene IS#1	7.45	137	55806	10.00	ug/L		0.00
26) 1,4-Difluorobenzene IS#2	8.16	63	121291	10.00	ug/L		0.00
41) Chlorobenzene d5 IS#3	10.28	119	113955	10.00	ug/L		0.00
System Monitoring Compounds							
23) 1,2-dichloroethane d4 SMC	7.76	65	145021	13.99	ug/L		0.00
Spiked Amount 10.000	Range 75 - 125		Recovery = 139.90%#				
33) Toluene d8 SMC#2	9.30	98	509948	7.37	ug/L		0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 73.70%#				
51) Bromofluorobenzene SMC#3	10.99	95	163956	10.56	ug/L		0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 105.60%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	2.29	85	138648	6.13	ug/L		100
3) Chlorodifluoromethane	2.31	51	59725	6.63	ug/L	#	99
4) Chloromethane	2.53	50	114697	7.87	ug/L		92
5) Vinyl chloride	2.69	62	79393	4.71	ug/L		96
6) Bromomethane	3.18	94	49747	3.93	ug/L	#	73
7) Chloroethane	3.34	64	70728	5.21	ug/L		96
8) Dichlorofluoromethane	3.66	67	149163	5.41	ug/L	#	89
9) Trichlorofluoromethane	3.71	101	174273	5.90	ug/L		100
10) 1,1,2-Trichloro-1,2,2-trif	4.46	101	81584	5.02	ug/L	#	74
11) 1,1-Dichloroethene	4.45	61	161102	6.39	ug/L	#	87
12) Methylene chloride	5.12	84	68451	4.51	ug/L	#	53
13) MTBE	5.49	73	124455	4.98	ug/L	#	70
14) T-1,2-dichloroethene	5.51	96	82374	4.42	ug/L		78
15) 1,1-Dichloroethane	6.16	63	181908	5.79	ug/L		97
16) 2,2-Dichloropropane	6.91	77	158032	5.28	ug/L	#	73
17) Cis-1,2-dichloroethene	6.90	96	86172	4.54	ug/L		75
18) Bromochloromethane	7.16	128	24908	4.15	ug/L	#	31
19) Chloroform	7.28	83	153118	5.22	ug/L		79
20) 1,1,1-Trichloroethane	7.44	97	165449	5.43	ug/L	#	1
21) 1,1-Dichloropropene	7.60	75	122162	5.01	ug/L		87
22) Carbon tetrachloride	7.60	119	124919	5.31	ug/L	#	78
24) 1,2-Dichloroethane	7.83	62	97345	7.32	ug/L		89
25) Benzene	7.79	78	319423	4.70	ug/L		95
27) Trichloroethene	8.37	130	85697	3.72	ug/L	#	79
28) 1,2-Dichloropropane	8.58	63	84303	4.82	ug/L	#	79
29) Dibromomethane	8.65	93	26778	4.27	ug/L		82
30) Bromodichloromethane	8.78	83	87399	4.03	ug/L		89
31) 2-ceve	8.98	63	91513	21.00	ug/L	#	80
32) Cis-1,3-dichloropropene	9.10	75	98620	3.85	ug/L	#	92
34) Toluene	9.35	92	189406	3.74	ug/L		84
35) Trans-1,3-dichloropropene	9.50	75	72507	4.08	ug/L		89
36) 1,1,2-Trichloroethane	9.64	97	35712	3.74	ug/L		97
37) Tetrachloroethene (PCE)	9.71	166	82573	3.37	ug/L	#	78
38) 1,3-Dichloropropane	9.75	76	63316	3.92	ug/L		91
39) Dibromochloromethane	9.90	129	39473	3.41	ug/L	#	84
40) 1,2-Dibromoethane	9.99	107	30261	3.67	ug/L	#	33
42) Chlorobenzene	10.30	112	180307	4.81	ug/L		87
43) 1,1,1,2-Tetrachloroethane	10.34	131	59830	4.70	ug/L		100
44) Ethylbenzene	10.34	106	108046	4.88	ug/L		68
45) P+m-Xylene	10.42	106	256826	9.94	ug/L		92
46) O-Xylene	10.66	106	123091	4.93	ug/L	#	92
47) Styrene	10.67	104	180574	4.90	ug/L	#	79
48) Bromoform	10.80	173	15560	3.97	ug/L	#	52
49) Isopropylbenzene	10.87	105	356051	5.28	ug/L		96
50) 1,1,2,2-Tetrachloroethane	11.05	83	29223	4.81	ug/L		87

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

Quantitation Report (QT Reviewed)

Data File : D:\DATA\JUN2023C\JUN21\21JUN06.D Vial: 6
Acq On : 21 Jun 2023 7:50 am Operator: MGC
Sample : 2309128-CAL3 Inst : MS-V5
Misc : 1 ;3F21003;25ML Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jun 22 11:09 2023 Quant Results File: 82605C.RES

Quant Method : C:\HPCHEM\1...\82605C.M (RTE Integrator)
Title : EPA Method 8260C/D
Last Update : Thu Jun 22 11:08:22 2023
Response via : Initial Calibration
DataAcq Meth : 82605

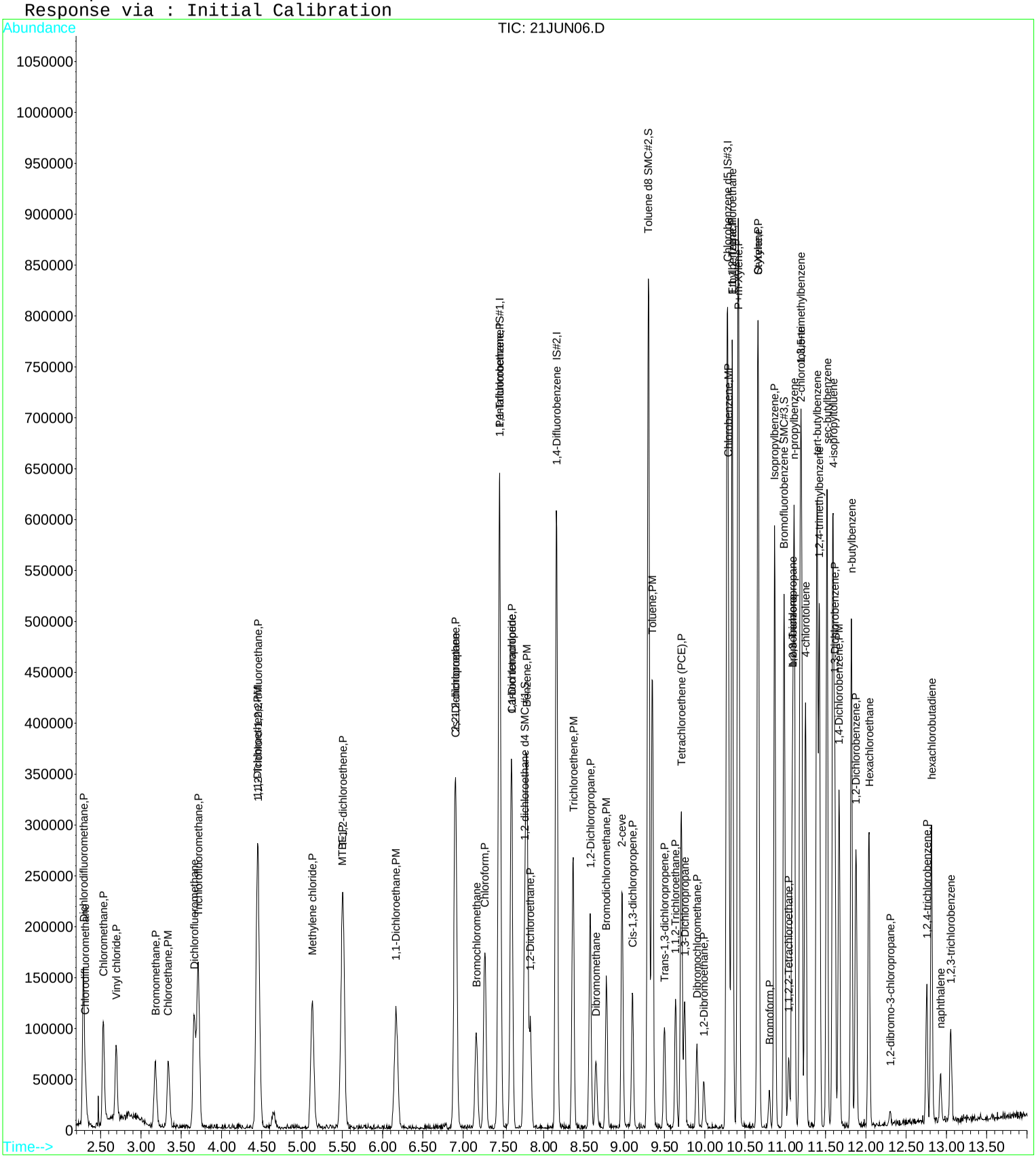
	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
52)	1,2,3-Trichloropropane	11.09	110	8425	4.65	ug/L		89
53)	n-propylbenzene	11.11	91	419909	5.64	ug/L		96
54)	bromobenzene	11.09	156	66676	5.04	ug/L	#	44
55)	1,3,5-trimethylbenzene	11.20	105	287383	5.44	ug/L		88
56)	2-chlorotoluene	11.18	91	274013	5.51	ug/L		94
57)	4-chlorotoluene	11.25	91	238958	5.48	ug/L		100
58)	tert-butylbenzene	11.39	119	295284	5.28	ug/L		90
59)	1,2,4-trimethylbenzene	11.43	105	275300	5.39	ug/L	#	79
60)	sec-butylbenzene	11.52	105	380918	5.43	ug/L	#	87
61)	4-isopropyltoluene	11.59	119	294226	5.38	ug/L		91
62)	1,3-Dichlorobenzene	11.62	146	133979	5.27	ug/L		93
63)	1,4-Dichlorobenzene	11.67	146	127270	5.06	ug/L	#	94
64)	n-butylbenzene	11.82	91	252300	5.46	ug/L		87
65)	1,2-Dichlorobenzene	11.88	146	107511	4.95	ug/L	#	88
66)	Hexachloroethane	12.04	117	37391	3.83	ug/L		82
67)	1,2-dibromo-3-chloropropan	12.31	75	3553	4.85	ug/L		83
68)	1,2,4-trichlorobenzene	12.76	180	40441	3.95	ug/L		87
69)	hexachlorobutadiene	12.81	225	58859	4.86	ug/L	#	70
70)	naphthalene	12.93	128	37014	3.96	ug/L		100
71)	1,2,3-trichlorobenzene	13.05	180	29749	3.95	ug/L		93

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

Quantitation Report

Data File : D:\DATA\JUN2023C\JUN21\21JUN06.D Vial: 6
Acq On : 21 Jun 2023 7:50 am Operator: MGC
Sample : 2309128-CAL3 Inst : MS-V5
Misc : 1 ;3F21003;25ML Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jun 22 11:09 2023 Quant Results File: 82605C.RES

Method : C:\HPCHEM\1\METHODS\C\202306\21-0902\82605C.M (RTE Integrator)
Title : EPA Method 8260C/D
Last Update : Thu Jun 22 11:08:22 2023
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : D:\DATA\JUN2023C\JUN21\21JUN07.D Vial: 7
Acq On : 21 Jun 2023 8:14 am Operator: MGC
Sample : 2309128-CAL4 Inst : MS-V5
Misc : 1 ;3F21004;25ML Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jun 22 11:10 2023 Quant Results File: 82605C.RES

Quant Method : C:\HPCHEM\1...\82605C.M (RTE Integrator)
Title : EPA Method 8260C/D
Last Update : Thu Jun 22 11:08:22 2023
Response via : Initial Calibration
DataAcq Meth : 82605

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Pentafluorobenzene IS#1	7.45	137	56479	10.00	ug/L		0.00
26) 1,4-Difluorobenzene IS#2	8.16	63	123503	10.00	ug/L		0.00
41) Chlorobenzene d5 IS#3	10.28	119	116430	10.00	ug/L		0.00
System Monitoring Compounds							
23) 1,2-dichloroethane d4 SMC	7.76	65	148968	14.20	ug/L		0.00
Spiked Amount 10.000	Range 75 - 125		Recovery = 142.00%#				
33) Toluene d8 SMC#2	9.30	98	508212	7.22	ug/L		0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 72.20%#				
51) Bromofluorobenzene SMC#3	10.98	95	169317	10.67	ug/L		0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 106.70%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	2.28	85	270195	11.81	ug/L		100
3) Chlorodifluoromethane	2.31	51	119991	13.17	ug/L	#	96
4) Chloromethane	2.53	50	220118	14.93	ug/L		93
5) Vinyl chloride	2.69	62	160185	9.40	ug/L		99
6) Bromomethane	3.18	94	103296	8.07	ug/L	#	72
7) Chloroethane	3.34	64	137143	9.97	ug/L		92
8) Dichlorofluoromethane	3.66	67	296996	10.64	ug/L	#	88
9) Trichlorofluoromethane	3.71	101	339512	11.36	ug/L		100
10) 1,1,2-Trichloro-1,2,2-trif	4.46	101	161735	9.84	ug/L	#	72
11) 1,1-Dichloroethene	4.44	61	314123	12.32	ug/L	#	86
12) Methylene chloride	5.13	84	132368	8.61	ug/L	#	51
13) MTBE	5.50	73	250229	9.89	ug/L	#	72
14) T-1,2-dichloroethene	5.51	96	159738	8.47	ug/L	#	76
15) 1,1-Dichloroethane	6.16	63	363910	11.45	ug/L		97
16) 2,2-Dichloropropane	6.91	77	320496	10.58	ug/L	#	80
17) Cis-1,2-dichloroethene	6.91	96	162102	8.43	ug/L	#	75
18) Bromochloromethane	7.17	128	50685	8.35	ug/L	#	32
19) Chloroform	7.27	83	308722	10.39	ug/L		76
20) 1,1,1-Trichloroethane	7.44	97	324531	10.52	ug/L	#	46
21) 1,1-Dichloropropene	7.60	75	246347	9.99	ug/L	#	84
22) Carbon tetrachloride	7.60	119	254329	10.68	ug/L	#	79
24) 1,2-Dichloroethane	7.83	62	188249	13.99	ug/L	#	88
25) Benzene	7.79	78	614516	8.93	ug/L	#	84
27) Trichloroethene	8.37	130	162910	6.94	ug/L		82
28) 1,2-Dichloropropane	8.58	63	165018	9.26	ug/L		79
29) Dibromomethane	8.65	93	55349	8.68	ug/L		79
30) Bromodichloromethane	8.78	83	187344	8.49	ug/L		91
31) 2-ceve	8.98	63	185646	41.83	ug/L	#	75
32) Cis-1,3-dichloropropene	9.10	75	205334	7.88	ug/L		94
34) Toluene	9.35	92	367451	7.13	ug/L		86
35) Trans-1,3-dichloropropene	9.50	75	149884	8.28	ug/L		90
36) 1,1,2-Trichloroethane	9.64	97	70853	7.29	ug/L		91
37) Tetrachloroethene (PCE)	9.71	166	160724	6.44	ug/L	#	76
38) 1,3-Dichloropropane	9.75	76	137878	8.39	ug/L		97
39) Dibromochloromethane	9.90	129	83935	7.13	ug/L	#	88
40) 1,2-Dibromoethane	9.99	107	63758	7.60	ug/L	#	38
42) Chlorobenzene	10.30	112	356628	9.32	ug/L		90
43) 1,1,1,2-Tetrachloroethane	10.34	131	130916	10.06	ug/L		96
44) Ethylbenzene	10.34	106	224541	9.93	ug/L		77
45) P+m-Xylene	10.41	106	514459	19.49	ug/L		96
46) O-Xylene	10.66	106	240910	9.44	ug/L	#	92
47) Styrene	10.67	104	367623	9.77	ug/L	#	79
48) Bromoform	10.80	173	35472	8.85	ug/L	#	53
49) Isopropylbenzene	10.87	105	706197	10.26	ug/L		95
50) 1,1,2,2-Tetrachloroethane	11.04	83	61427	9.90	ug/L		88

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

Quantitation Report (QT Reviewed)

Data File : D:\DATA\JUN2023C\JUN21\21JUN07.D Vial: 7
Acq On : 21 Jun 2023 8:14 am Operator: MGC
Sample : 2309128-CAL4 Inst : MS-V5
Misc : 1 ;3F21004;25ML Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jun 22 11:10 2023 Quant Results File: 82605C.RES

Quant Method : C:\HPCHEM\1...\82605C.M (RTE Integrator)
Title : EPA Method 8260C/D
Last Update : Thu Jun 22 11:08:22 2023
Response via : Initial Calibration
DataAcq Meth : 82605

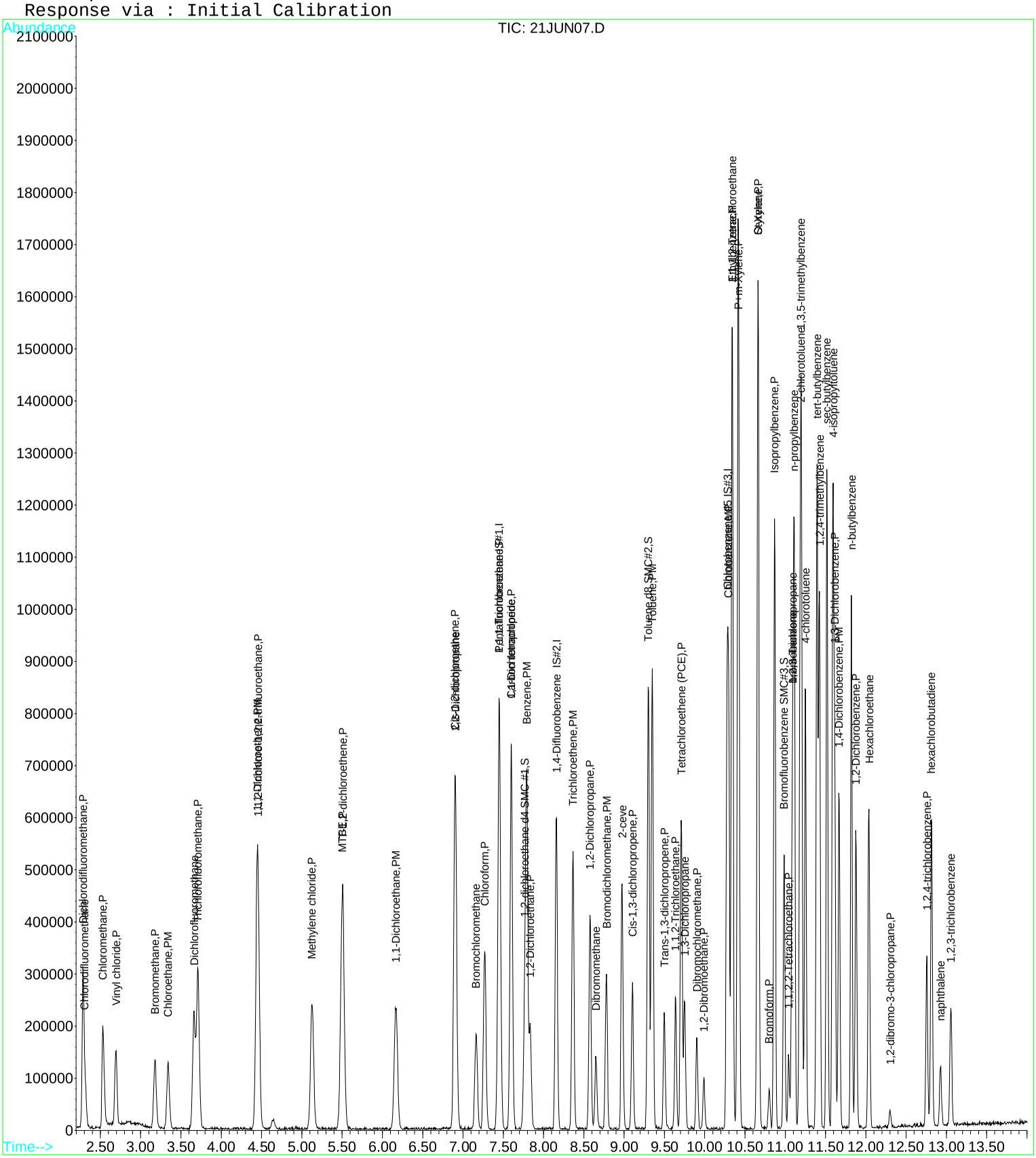
	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
52)	1,2,3-Trichloropropane	11.09	110	19282	10.43	ug/L		96
53)	n-propylbenzene	11.11	91	831257	10.93	ug/L		93
54)	bromobenzene	11.09	156	127602	9.43	ug/L	#	40
55)	1,3,5-trimethylbenzene	11.20	105	574350	10.64	ug/L		88
56)	2-chlorotoluene	11.18	91	533341	10.50	ug/L		92
57)	4-chlorotoluene	11.25	91	473488	10.63	ug/L		100
58)	tert-butylbenzene	11.39	119	594487	10.41	ug/L		94
59)	1,2,4-trimethylbenzene	11.42	105	545797	10.46	ug/L	#	78
60)	sec-butylbenzene	11.52	105	769587	10.73	ug/L	#	86
61)	4-isopropyltoluene	11.59	119	589483	10.56	ug/L		91
62)	1,3-Dichlorobenzene	11.61	146	263946	10.17	ug/L		91
63)	1,4-Dichlorobenzene	11.66	146	256116	9.97	ug/L	#	94
64)	n-butylbenzene	11.82	91	517842	10.97	ug/L		87
65)	1,2-Dichlorobenzene	11.88	146	223398	10.07	ug/L	#	87
66)	Hexachloroethane	12.03	117	86212	8.64	ug/L		85
67)	1,2-dibromo-3-chloropropan	12.30	75	9299	11.70	ug/L		80
68)	1,2,4-trichlorobenzene	12.75	180	97256	8.61	ug/L		93
69)	hexachlorobutadiene	12.82	225	122240	9.89	ug/L	#	71
70)	naphthalene	12.93	128	95889	9.22	ug/L		100
71)	1,2,3-trichlorobenzene	13.06	180	75295	8.97	ug/L		90

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

Quantitation Report

Data File : D:\DATA\JUN2023C\JUN21\21JUN07.D Vial: 7
Acq On : 21 Jun 2023 8:14 am Operator: MGC
Sample : 2309128-CAL4 Inst : MS-V5
Misc : 1 ;3F21004;25ML Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jun 22 11:10 2023 Quant Results File: 82605C.RES

Method : C:\HPCHEM\1\METHODS\C\202306\21-0902\82605C.M (RTE Integrator)
Title : EPA Method 8260C/D
Last Update : Thu Jun 22 11:08:22 2023
Response via : Initial Calibration



Pace Analytical

Quantitation Report (QT Reviewed)

Data File : D:\DATA\JUN2023C\JUN21\21JUN08.D Vial: 8
Acq On : 21 Jun 2023 8:38 am Operator: MGC
Sample : 2309128-CAL5 Inst : MS-V5
Misc : 1 ;3F21005;25ML Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jun 22 11:11 2023 Quant Results File: 82605C.RES

Quant Method : C:\HPCHEM\1...\82605C.M (RTE Integrator)
Title : EPA Method 8260C/D
Last Update : Thu Jun 22 11:08:22 2023
Response via : Initial Calibration
DataAcq Meth : 82605

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Pentafluorobenzene IS#1	7.45	137	54858	10.00	ug/L		0.00
26) 1,4-Difluorobenzene IS#2	8.16	63	125627	10.00	ug/L		0.00
41) Chlorobenzene d5 IS#3	10.28	119	116831	10.00	ug/L		0.00
System Monitoring Compounds							
23) 1,2-dichloroethane d4 SMC	7.77	65	151309	14.85	ug/L		0.00
Spiked Amount 10.000	Range 75 - 125		Recovery = 148.50%#				
33) Toluene d8 SMC#2	9.30	98	524903	7.33	ug/L		0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 73.30%#				
51) Bromofluorobenzene SMC#3	10.98	95	175085	11.00	ug/L		0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 110.00%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	2.28	85	699069	31.46	ug/L		97
3) Chlorodifluoromethane	2.31	51	308538	34.87	ug/L	#	98
4) Chloromethane	2.53	50	567691	39.64	ug/L		91
5) Vinyl chloride	2.69	62	414562	25.04	ug/L		99
6) Bromomethane	3.18	94	279136	22.45	ug/L	#	72
7) Chloroethane	3.34	64	360553	27.00	ug/L		95
8) Dichlorofluoromethane	3.66	67	741323	27.35	ug/L	#	85
9) Trichlorofluoromethane	3.71	101	868380	29.93	ug/L		98
10) 1,1,2-Trichloro-1,2,2-trif	4.46	101	412316	25.82	ug/L	#	74
11) 1,1-Dichloroethene	4.44	61	801123	32.34	ug/L	#	86
12) Methylene chloride	5.13	84	328232	21.98	ug/L	#	50
13) MTBE	5.49	73	644421	26.23	ug/L	#	68
14) T-1,2-dichloroethene	5.51	96	396661	21.65	ug/L	#	74
15) 1,1-Dichloroethane	6.17	63	902672	29.23	ug/L		99
16) 2,2-Dichloropropane	6.91	77	802537	27.28	ug/L	#	78
17) Cis-1,2-dichloroethene	6.90	96	412460	22.09	ug/L	#	76
18) Bromochloromethane	7.17	128	130462	22.12	ug/L	#	27
19) Chloroform	7.27	83	779475	27.01	ug/L		77
20) 1,1,1-Trichloroethane	7.44	97	840452	28.06	ug/L	#	76
21) 1,1-Dichloropropene	7.60	75	628203	26.22	ug/L	#	86
22) Carbon tetrachloride	7.60	119	682518	29.50	ug/L	#	79
24) 1,2-Dichloroethane	7.83	62	493119	37.72	ug/L	#	86
25) Benzene	7.79	78	1521213	22.76	ug/L	#	81
27) Trichloroethene	8.37	130	416004	17.42	ug/L		82
28) 1,2-Dichloropropane	8.58	63	426259	23.52	ug/L		79
29) Dibromomethane	8.65	93	136662	21.06	ug/L	#	81
30) Bromodichloromethane	8.78	83	493011	21.97	ug/L		90
31) 2-ceve	8.98	63	498660	110.46	ug/L	#	78
32) Cis-1,3-dichloropropene	9.10	75	534813	20.18	ug/L	#	93
34) Toluene	9.35	92	922649	17.61	ug/L		90
35) Trans-1,3-dichloropropene	9.50	75	397476	21.58	ug/L		91
36) 1,1,2-Trichloroethane	9.64	97	180346	18.24	ug/L		89
37) Tetrachloroethene (PCE)	9.71	166	421323	16.59	ug/L	#	77
38) 1,3-Dichloropropane	9.75	76	346643	20.74	ug/L		95
39) Dibromochloromethane	9.90	129	232407	19.40	ug/L	#	86
40) 1,2-Dibromoethane	9.99	107	163834	19.21	ug/L	#	32
42) Chlorobenzene	10.30	112	893952	23.27	ug/L		88
43) 1,1,1,2-Tetrachloroethane	10.34	131	343336	26.30	ug/L		98
44) Ethylbenzene	10.34	106	558071	24.60	ug/L		84
45) P+m-Xylene	10.41	106	1272910	48.05	ug/L		92
46) O-Xylene	10.66	106	620659	24.23	ug/L	#	86
47) Styrene	10.67	104	956370	25.32	ug/L	#	80
48) Bromoform	10.80	173	99144	24.66	ug/L	#	59
49) Isopropylbenzene	10.87	105	1689245	24.45	ug/L		91
50) 1,1,2,2-Tetrachloroethane	11.05	83	164263	26.39	ug/L		84

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

Quantitation Report (QT Reviewed)

Data File : D:\DATA\JUN2023C\JUN21\21JUN08.D Vial: 8
Acq On : 21 Jun 2023 8:38 am Operator: MGC
Sample : 2309128-CAL5 Inst : MS-V5
Misc : 1 ;3F21005;25ML Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jun 22 11:11 2023 Quant Results File: 82605C.RES

Quant Method : C:\HPCHEM\1...\82605C.M (RTE Integrator)
Title : EPA Method 8260C/D
Last Update : Thu Jun 22 11:08:22 2023
Response via : Initial Calibration
DataAcq Meth : 82605

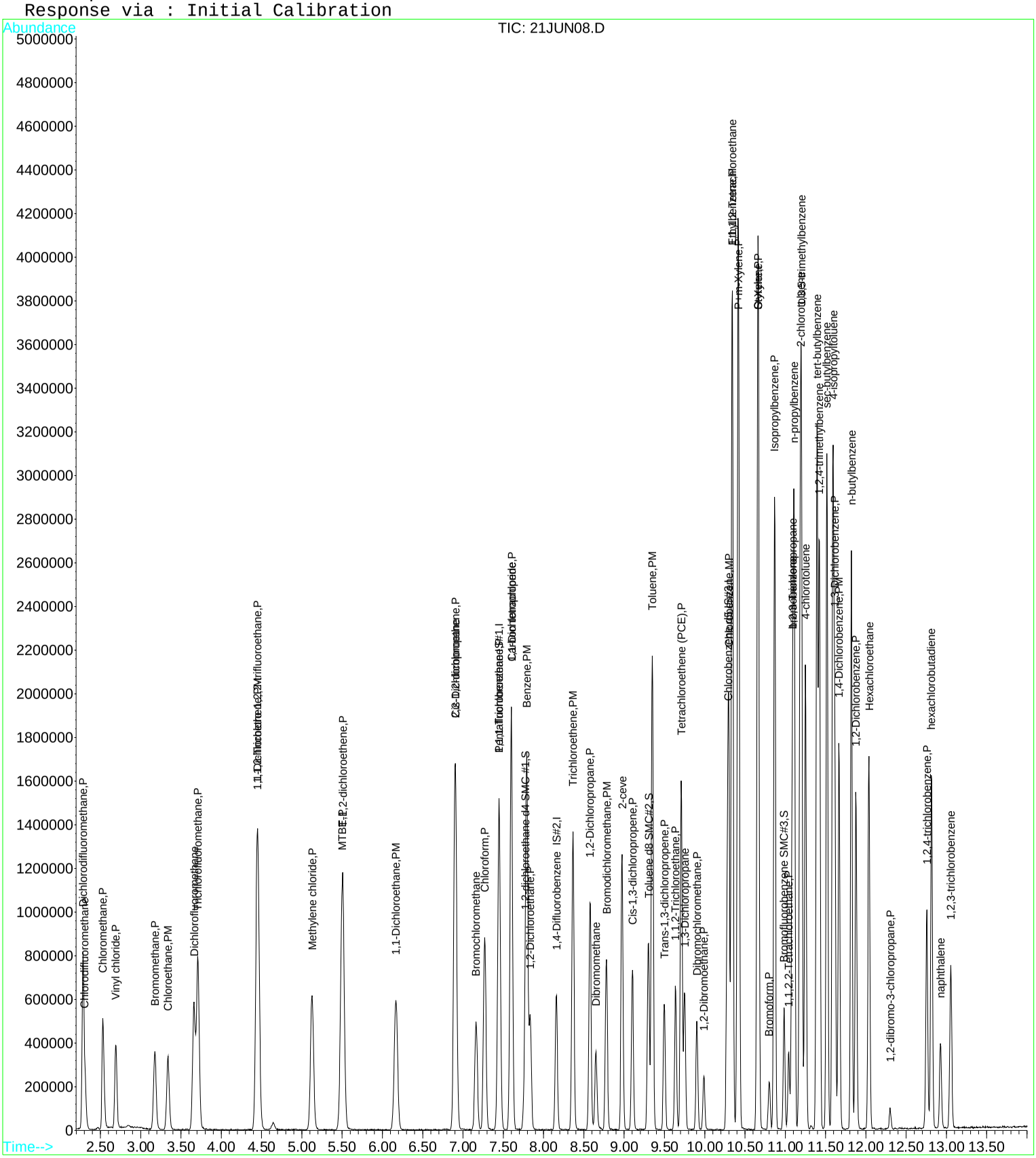
	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
52)	1,2,3-Trichloropropane	11.09	110	49256	26.54	ug/L		100
53)	n-propylbenzene	11.11	91	1933602	25.35	ug/L		89
54)	bromobenzene	11.09	156	341632	25.16	ug/L	#	44
55)	1,3,5-trimethylbenzene	11.20	105	1417733	26.18	ug/L		84
56)	2-chlorotoluene	11.18	91	1360618	26.71	ug/L		91
57)	4-chlorotoluene	11.25	91	1192549	26.67	ug/L		96
58)	tert-butylbenzene	11.39	119	1488636	25.98	ug/L		95
59)	1,2,4-trimethylbenzene	11.42	105	1384727	26.44	ug/L	#	74
60)	sec-butylbenzene	11.52	105	1810037	25.16	ug/L	#	81
61)	4-isopropyltoluene	11.59	119	1482747	26.46	ug/L		91
62)	1,3-Dichlorobenzene	11.61	146	703474	27.01	ug/L		92
63)	1,4-Dichlorobenzene	11.66	146	685566	26.60	ug/L	#	94
64)	n-butylbenzene	11.82	91	1323299	27.94	ug/L	#	87
65)	1,2-Dichlorobenzene	11.88	146	602871	27.08	ug/L		87
66)	Hexachloroethane	12.04	117	264502	26.41	ug/L		83
67)	1,2-dibromo-3-chloropropan	12.30	75	27759	31.66	ug/L		81
68)	1,2,4-trichlorobenzene	12.76	180	312305	24.71	ug/L		91
69)	hexachlorobutadiene	12.82	225	337469	27.20	ug/L	#	71
70)	naphthalene	12.93	128	316662	25.84	ug/L		100
71)	1,2,3-trichlorobenzene	13.05	180	236399	24.81	ug/L		88

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

Quantitation Report

Data File : D:\DATA\JUN2023C\JUN21\21JUN08.D Vial: 8
Acq On : 21 Jun 2023 8:38 am Operator: MGC
Sample : 2309128-CAL5 Inst : MS-V5
Misc : 1 ;3F21005;25ML Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jun 22 11:11 2023 Quant Results File: 82605C.RES

Method : C:\HPCHEM\1\METHODS\C\202306\21-0902\82605C.M (RTE Integrator)
Title : EPA Method 8260C/D
Last Update : Thu Jun 22 11:08:22 2023
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : D:\DATA\JUN2023C\JUN21\21JUN09.D Vial: 9
Acq On : 21 Jun 2023 9:02 am Operator: MGC
Sample : 2309128-CAL6 Inst : MS-V5
Misc : 1 ;3F21006;25ML Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jun 22 11:11 2023 Quant Results File: 82605C.RES

Quant Method : C:\HPCHEM\1...\82605C.M (RTE Integrator)
Title : EPA Method 8260C/D
Last Update : Thu Jun 22 11:08:22 2023
Response via : Initial Calibration
DataAcq Meth : 82605

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Pentafluorobenzene IS#1	7.45	137	61109	10.00	ug/L		0.00
26) 1,4-Difluorobenzene IS#2	8.16	63	131198	10.00	ug/L		0.00
41) Chlorobenzene d5 IS#3	10.28	119	121805	10.00	ug/L		0.00
System Monitoring Compounds							
23) 1,2-dichloroethane d4 SMC	7.76	65	156417	13.78	ug/L		0.00
Spiked Amount 10.000	Range 75 - 125		Recovery = 137.80%#				
33) Toluene d8 SMC#2	9.30	98	548453	7.33	ug/L		0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 73.30%#				
51) Bromofluorobenzene SMC#3	10.99	95	185739	11.19	ug/L		0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 111.90%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	2.28	85	1436420	58.04	ug/L		94
3) Chlorodifluoromethane	2.31	51	637664	64.69	ug/L	#	98
4) Chloromethane	2.53	50	1245861	78.09	ug/L		94
5) Vinyl chloride	2.69	62	923747	50.09	ug/L		97
6) Bromomethane	3.17	94	632561	45.67	ug/L	#	72
7) Chloroethane	3.34	64	757934	50.95	ug/L		93
8) Dichlorofluoromethane	3.66	67	1545511	51.18	ug/L	#	84
9) Trichlorofluoromethane	3.71	101	1824666	56.45	ug/L		97
10) 1,1,2-Trichloro-1,2,2-trif	4.46	101	873630	49.11	ug/L	#	75
11) 1,1-Dichloroethene	4.44	61	1665264	60.35	ug/L	#	86
12) Methylene chloride	5.12	84	703566	42.29	ug/L	#	51
13) MTBE	5.49	73	1398112	51.09	ug/L	#	69
14) T-1,2-dichloroethene	5.51	96	845735	41.44	ug/L	#	75
15) 1,1-Dichloroethane	6.16	63	1885086	54.80	ug/L		99
16) 2,2-Dichloropropane	6.91	77	1675345	51.13	ug/L	#	78
17) Cis-1,2-dichloroethene	6.90	96	875905	42.10	ug/L		77
18) Bromochloromethane	7.17	128	279886	42.59	ug/L	#	30
19) Chloroform	7.27	83	1614477	50.22	ug/L		79
20) 1,1,1-Trichloroethane	7.45	97	1752774	52.53	ug/L	#	84
21) 1,1-Dichloropropene	7.60	75	1277918	47.88	ug/L		87
22) Carbon tetrachloride	7.60	119	1470321	57.05	ug/L	#	79
24) 1,2-Dichloroethane	7.83	62	1037700	71.26	ug/L	#	86
25) Benzene	7.79	78	2866779	38.50	ug/L	#	80
27) Trichloroethene	8.36	130	902095	36.17	ug/L		81
28) 1,2-Dichloropropane	8.58	63	892671	47.16	ug/L		81
29) Dibromomethane	8.65	93	307816	45.43	ug/L		81
30) Bromodichloromethane	8.78	83	1068366	45.60	ug/L		89
31) 2-ceve	8.97	63	1050764	222.88	ug/L	#	76
32) Cis-1,3-dichloropropene	9.10	75	1131566	40.88	ug/L	#	92
34) Toluene	9.35	92	1856579	33.93	ug/L		98
35) Trans-1,3-dichloropropene	9.49	75	891755	46.36	ug/L		92
36) 1,1,2-Trichloroethane	9.64	97	404154	39.13	ug/L		92
37) Tetrachloroethene (PCE)	9.71	166	901243	33.99	ug/L	#	77
38) 1,3-Dichloropropane	9.75	76	748951	42.90	ug/L		96
39) Dibromochloromethane	9.90	129	540095	43.17	ug/L	#	87
40) 1,2-Dibromoethane	9.99	107	362543	40.70	ug/L	#	31
42) Chlorobenzene	10.29	112	1784012	44.54	ug/L		84
43) 1,1,1,2-Tetrachloroethane	10.35	131	756078	55.55	ug/L		99
44) Ethylbenzene	10.34	106	1149773	48.61	ug/L		87
45) P+m-Xylene	10.42	106	2410259	87.27	ug/L		70
46) O-Xylene	10.66	106	1294526	48.47	ug/L	#	74
47) Styrene	10.67	104	1885907	47.90	ug/L	#	75
48) Bromoform	10.80	173	236621	56.46	ug/L	#	59
49) Isopropylbenzene	10.87	105	2843305	39.48	ug/L	#	77
50) 1,1,2,2-Tetrachloroethane	11.04	83	344471	53.09	ug/L		87

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

Quantitation Report (QT Reviewed)

Data File : D:\DATA\JUN2023C\JUN21\21JUN09.D Vial: 9
Acq On : 21 Jun 2023 9:02 am Operator: MGC
Sample : 2309128-CAL6 Inst : MS-V5
Misc : 1 ;3F21006;25ML Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jun 22 11:11 2023 Quant Results File: 82605C.RES

Quant Method : C:\HPCHEM\1...\82605C.M (RTE Integrator)
Title : EPA Method 8260C/D
Last Update : Thu Jun 22 11:08:22 2023
Response via : Initial Calibration
DataAcq Meth : 82605

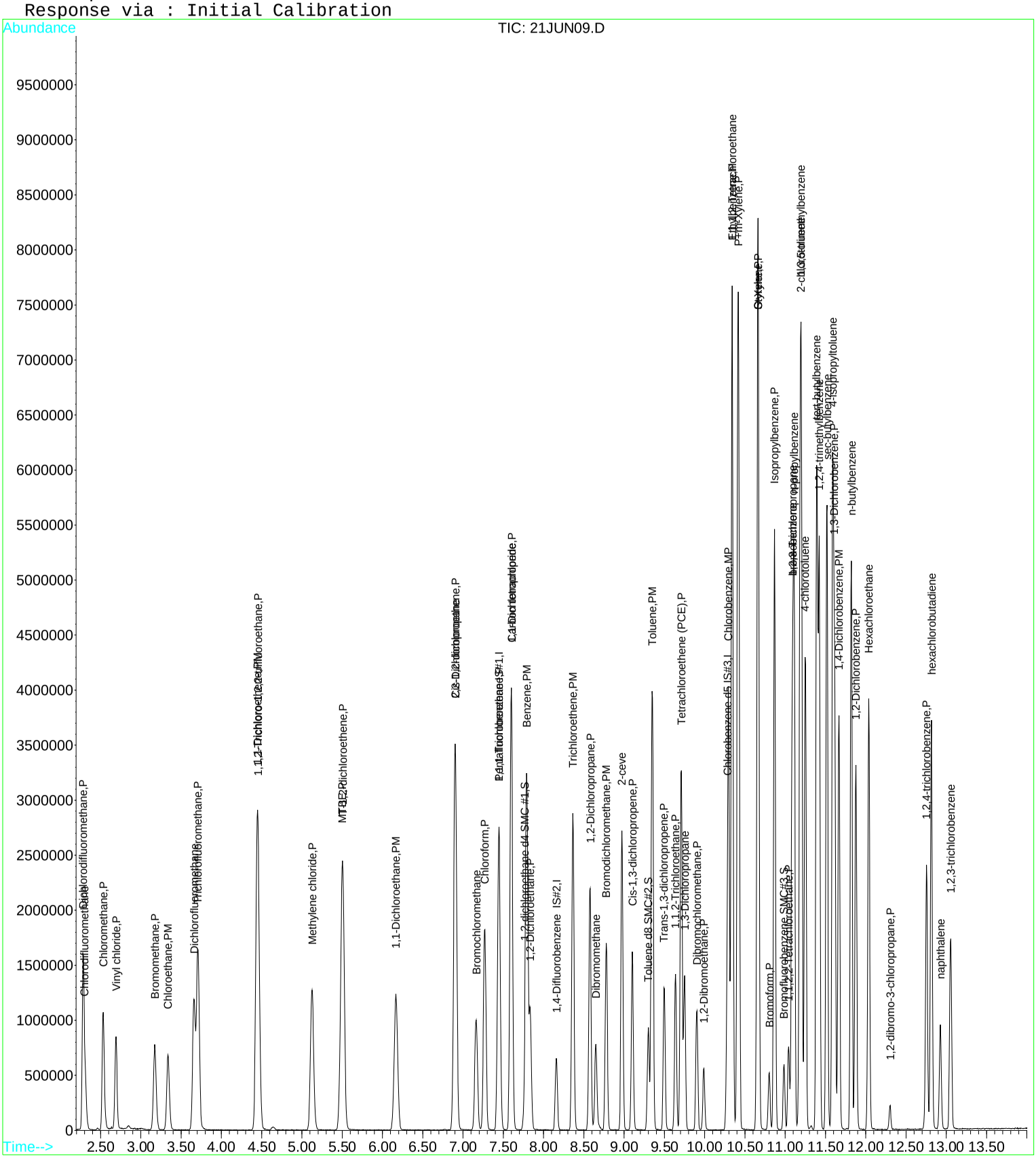
	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
52)	1,2,3-Trichloropropane	11.09	110	115351	59.62	ug/L		96
53)	n-propylbenzene	11.11	91	3066004	38.55	ug/L	#	71
54)	bromobenzene	11.09	156	740375	52.31	ug/L	#	47
55)	1,3,5-trimethylbenzene	11.20	105	2514624	44.53	ug/L	#	72
56)	2-chlorotoluene	11.19	91	2540016	47.82	ug/L	#	83
57)	4-chlorotoluene	11.25	91	2256235	48.40	ug/L		88
58)	tert-butylbenzene	11.40	119	2747252	45.99	ug/L		98
59)	1,2,4-trimethylbenzene	11.42	105	2506977	45.92	ug/L	#	60
60)	sec-butylbenzene	11.52	105	2912319	38.83	ug/L	#	64
61)	4-isopropyltoluene	11.59	119	2568510	43.97	ug/L	#	93
62)	1,3-Dichlorobenzene	11.61	146	1482019	54.57	ug/L		90
63)	1,4-Dichlorobenzene	11.67	146	1417966	52.78	ug/L	#	91
64)	n-butylbenzene	11.82	91	2437438	49.36	ug/L	#	92
65)	1,2-Dichlorobenzene	11.88	146	1270464	54.74	ug/L	#	88
66)	Hexachloroethane	12.04	117	631953	60.51	ug/L		81
67)	1,2-dibromo-3-chloropropan	12.30	75	65233	63.26	ug/L		80
68)	1,2,4-trichlorobenzene	12.75	180	749061	50.20	ug/L		92
69)	hexachlorobutadiene	12.81	225	784463	60.65	ug/L	#	71
70)	naphthalene	12.93	128	791804	51.19	ug/L		100
71)	1,2,3-trichlorobenzene	13.06	180	579600	50.38	ug/L		89

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

Quantitation Report

Data File : D:\DATA\JUN2023C\JUN21\21JUN09.D Vial: 9
Acq On : 21 Jun 2023 9:02 am Operator: MGC
Sample : 2309128-CAL6 Inst : MS-V5
Misc : 1 ;3F21006;25ML Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jun 22 11:11 2023 Quant Results File: 82605C.RES

Method : C:\HPCHEM\1\METHODS\C\202306\21-0902\82605C.M (RTE Integrator)
Title : EPA Method 8260C/D
Last Update : Thu Jun 22 11:08:22 2023
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : D:\DATA\JUN2023C\JUN19\19JUN17.D Vial: 17
Acq On : 19 Jun 2023 5:49 pm Operator: MGC
Sample : 2309003-CAL7 Inst : MS-V5
Misc : 1 ;3F19028;25ML Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jun 22 4:50 2023 Quant Results File: 82605CX.RES

Quant Method : C:\HPCHEM\1...\82605CX.M (RTE Integrator)
Title : EPA Method 8260C/DX
Last Update : Thu Jun 22 04:50:02 2023
Response via : Initial Calibration
DataAcq Meth : 82605

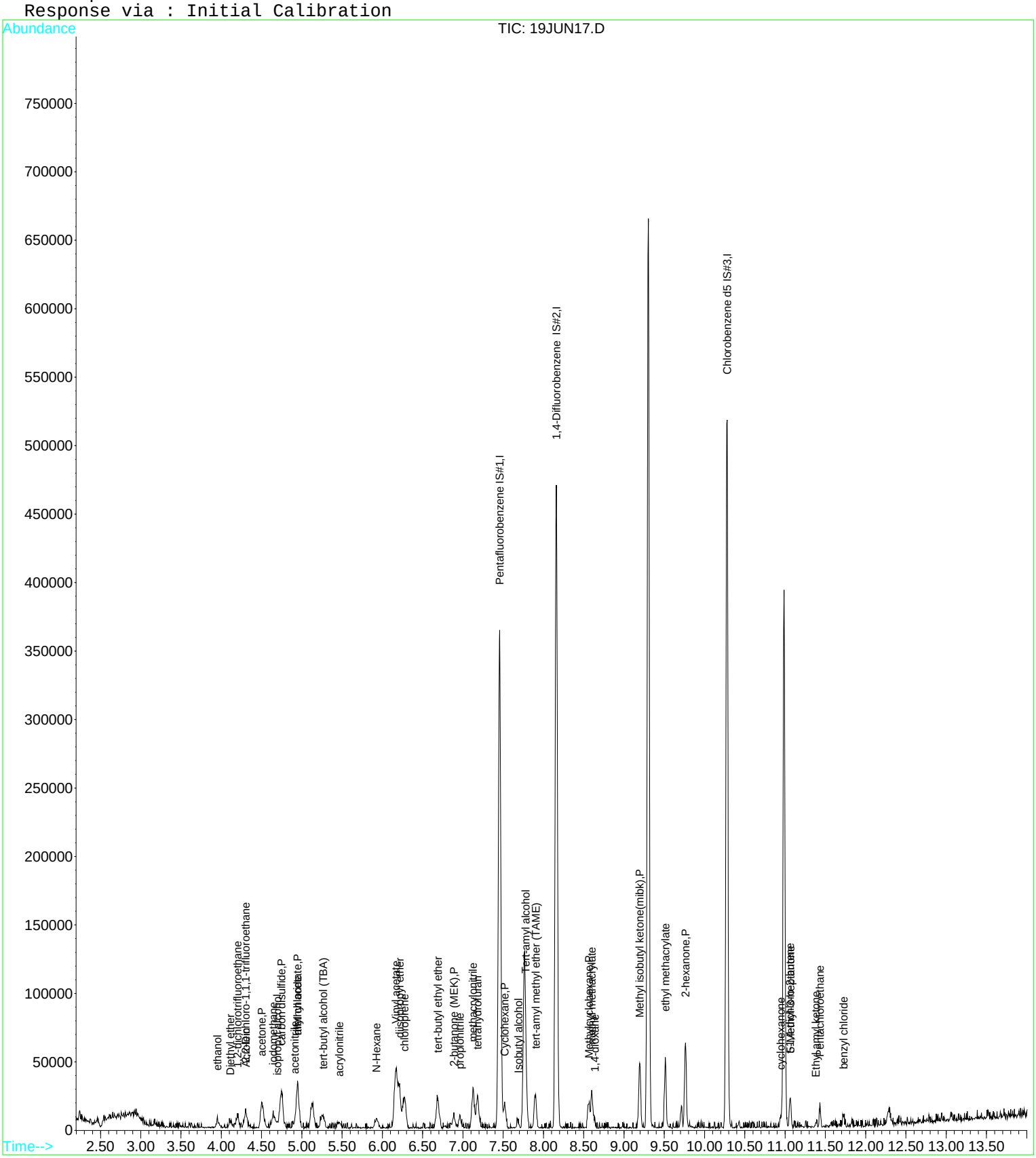
Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Pentafluorobenzene IS#1	7.45	137	43210	10.00	ug/L		0.00
29) 1,4-Difluorobenzene IS#2	8.16	63	92361	10.00	ug/L		0.00
36) Chlorobenzene d5 IS#3	10.28	119	90449	10.00	ug/L		0.00
Target Compounds							Qvalue
2) ethanol	3.95	45	7693	341.30	ug/L		86
3) 2,2-Dichloro-1,1,1-trifluo	4.30	83	7066	0.44	ug/L		92
4) 1,2-dichlorotrifluoroethan	4.20	67	6829	0.50	ug/L		89
5) Diethyl ether	4.11	59	3090	0.59	ug/L		87
6) isopropyl alcohol	4.70	45	8988	73.08	ug/L		99
7) Acrolein	4.31	56	5232	10.76	ug/L		99
8) acetone	4.50	43	22235	34.07	ug/L		99
9) tert-butyl alcohol (TBA)	5.26	59	16809	65.05	ug/L		100
10) acetonitrile	4.91	41	3383m	15.42	ug/L		
11) methyl acetate	4.94	43	16945	9.31	ug/L	#	83
12) allyl chloride	4.95	41	44192	2.64	ug/L		93
13) iodomethane	4.64	142	14009	0.95	ug/L		96
14) acrylonitrile	5.46	53	4917m	5.12	ug/L		
15) carbon disulfide	4.75	76	51900	1.67	ug/L		99
16) N-Hexane	5.93	57	4960	0.51	ug/L	#	83
17) diisopropyl ether	6.21	87	5653	0.62	ug/L		65
18) Vinyl acetate	6.17	43	112286	14.40	ug/L		98
19) chloroprene	6.27	53	24358	1.36	ug/L		99
20) tert-butyl ethyl ether	6.69	59	25507	1.03	ug/L		98
21) 2-butanone (MEK)	6.88	43	16616	14.54	ug/L		99
22) propionitrile	6.95	54	9600	27.66	ug/L	#	92
23) Isobutyl alcohol	7.69	43	3069	31.70	ug/L		100
24) methacrylonitrile	7.12	67	12568	8.55	ug/L		84
25) Tert-amyl alcohol	7.78	59	12964	65.06	ug/L		93
26) tetrahydrofuran	7.19	42	22443	30.96	ug/L		98
27) Cyclohexane	7.52	56	9770	0.53	ug/L	#	83
28) tert-amyl methyl ether (TA	7.90	73	16934	0.86	ug/L		93
30) methyl methacrylate	8.60	69	14181	3.93	ug/L		82
31) Methylcyclohexane	8.56	55	8775	0.49	ug/L		90
32) 1,4-dioxane	8.64	88	2234	74.70	ug/L		88
33) Methyl isobutyl ketone(mib	9.19	43	37717	11.91	ug/L		92
34) ethyl methacrylate	9.51	69	25023	3.27	ug/L		98
35) 2-hexanone	9.76	43	48559	24.34	ug/L		93
37) 5-Methyl-3-heptanone	11.07	43	3330	1.42	ug/L	#	76
38) cyclohexanone	10.95	55	3994	26.58	ug/L		91
39) t-1,4-dichloro-2-butene	11.05	75	3429	2.31	ug/L		91
40) Ethyl amyl ketone	11.38	57	1295	0.60	ug/L	#	71
41) Pentachloroethane	11.43	167	2268	0.44	ug/L	#	82
42) benzyl chloride	11.72	91	7971	0.87	ug/L		91

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

Quantitation Report

Data File : D:\DATA\JUN2023C\JUN19\19JUN17.D Vial: 17
Acq On : 19 Jun 2023 5:49 pm Operator: MGC
Sample : 2309003-CAL7 Inst : MS-V5
Misc : 1 ;3F19028;25ML Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jun 22 4:50 2023 Quant Results File: 82605CX.RES

Method : C:\HPCHEM\1\METHODS\C\202306\19-1901\82605CX.M (RTE Integrator)
Title : EPA Method 8260C/DX
Last Update : Thu Jun 22 04:50:02 2023
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : D:\DATA\JUN2023C\JUN19\19JUN18.D Vial: 18
Acq On : 19 Jun 2023 6:13 pm Operator: MGC
Sample : 2309003-CAL8 Inst : MS-V5
Misc : 1 ;3F19029;25ML Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jun 22 4:51 2023 Quant Results File: 82605CX.RES

Quant Method : C:\HPCHEM\1...\82605CX.M (RTE Integrator)
Title : EPA Method 8260C/DX
Last Update : Thu Jun 22 04:50:02 2023
Response via : Initial Calibration
DataAcq Meth : 82605

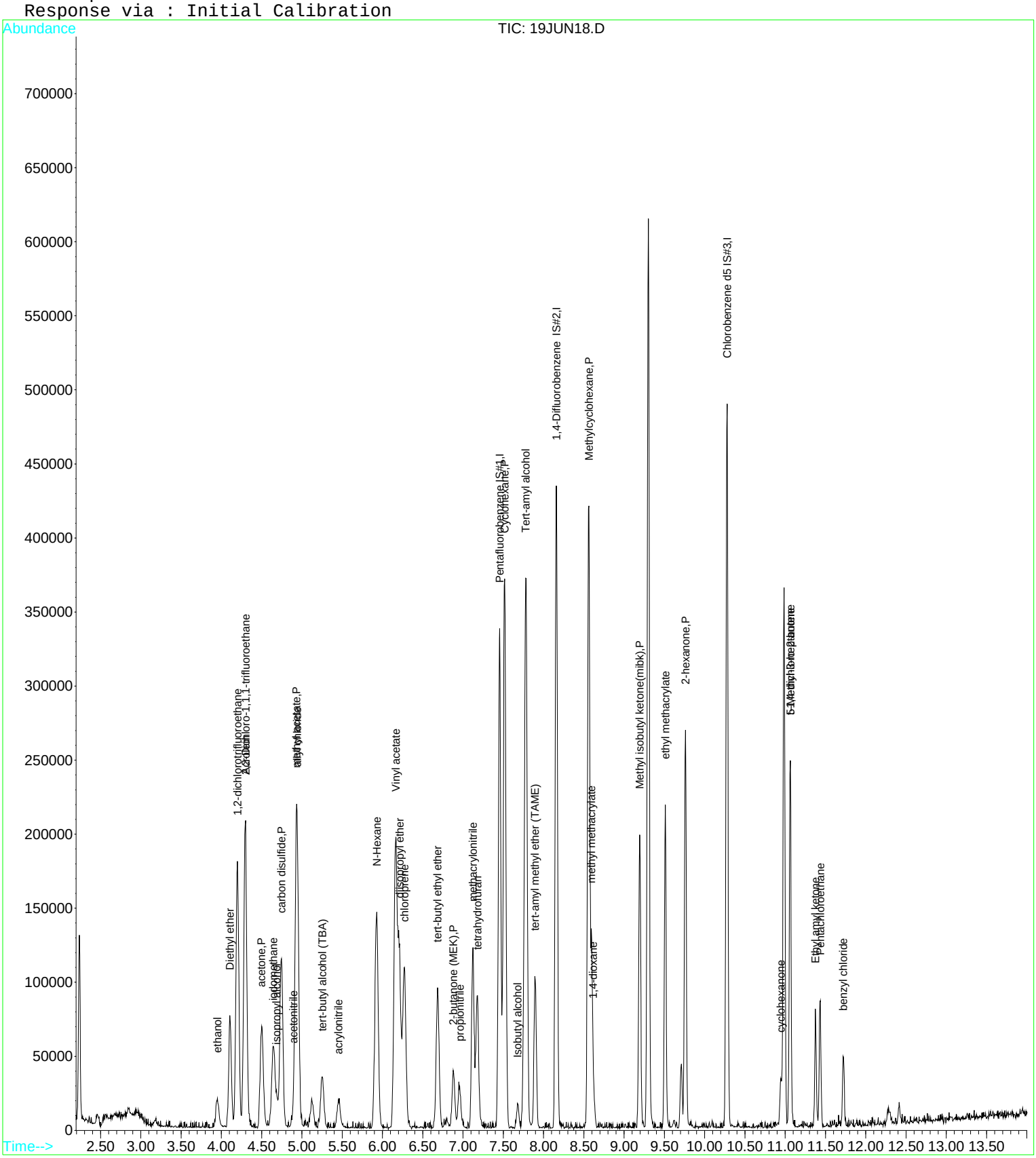
Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Pentafluorobenzene IS#1	7.45	137	39824	10.00	ug/L		0.00
29) 1,4-Difluorobenzene IS#2	8.16	63	85801	10.00	ug/L		0.00
36) Chlorobenzene d5 IS#3	10.28	119	86073	10.00	ug/L		0.00
Target Compounds							Qvalue
2) ethanol	3.95	45	30424	1464.51	ug/L		98
3) 2,2-Dichloro-1,1,1-trifluo	4.29	83	146800	9.82	ug/L		95
4) 1,2-dichlorotrifluoroethan	4.19	67	128366	10.12	ug/L		92
5) Diethyl ether	4.11	59	54125	11.19	ug/L		91
6) isopropyl alcohol	4.68	45	33971	299.68	ug/L	#	90
7) Acrolein	4.31	56	23918	53.35	ug/L		98
8) acetone	4.49	43	80914	134.54	ug/L		99
9) tert-butyl alcohol (TBA)	5.25	59	58892	247.30	ug/L		100
10) acetonitrile	4.89	41	16501m	81.60	ug/L		
11) methyl acetate	4.92	43	266519	158.81	ug/L		94
12) allyl chloride	4.95	41	195754	12.67	ug/L		98
13) iodomethane	4.64	142	84536	6.21	ug/L		99
14) acrylonitrile	5.45	53	22006	24.87	ug/L		99
15) carbon disulfide	4.75	76	235450	8.20	ug/L		99
16) N-Hexane	5.93	57	109618	12.28	ug/L		95
17) diisopropyl ether	6.22	87	30482	3.64	ug/L		92
18) Vinyl acetate	6.16	43	511421	71.17	ug/L		99
19) chloroprene	6.27	53	116383	7.04	ug/L		92
20) tert-butyl ethyl ether	6.68	59	107196	4.70	ug/L		96
21) 2-butanone (MEK)	6.88	43	67642	64.20	ug/L		94
22) propionitrile	6.96	54	39848	124.58	ug/L		97
23) Isobutyl alcohol	7.68	43	12723	142.57	ug/L		96
24) methacrylonitrile	7.12	67	53435	39.45	ug/L		92
25) Tert-amyl alcohol	7.78	59	221250	1204.78	ug/L		95
26) tetrahydrofuran	7.18	42	89919	134.58	ug/L		99
27) Cyclohexane	7.52	56	221885	13.05	ug/L		94
28) tert-amyl methyl ether (TA	7.90	73	73977	4.08	ug/L		94
30) methyl methacrylate	8.60	69	52136	15.53	ug/L		91
31) Methylcyclohexane	8.56	55	166695	10.05	ug/L		95
32) 1,4-dioxane	8.62	88	9087	327.07	ug/L		94
33) Methyl isobutyl ketone(mib	9.19	43	149721	50.89	ug/L		95
34) ethyl methacrylate	9.51	69	109926	15.44	ug/L		95
35) 2-hexanone	9.76	43	195013	105.22	ug/L		94
37) 5-Methyl-3-heptanone	11.06	43	64201	28.76	ug/L		90
38) cyclohexanone	10.95	55	17884	125.08	ug/L		98
39) t-1,4-dichloro-2-butene	11.06	75	18161	12.85	ug/L		94
40) Ethyl amyl ketone	11.38	57	23125	11.18	ug/L		92
41) Pentachloroethane	11.44	167	13768	2.80	ug/L		91
42) benzyl chloride	11.72	91	38100	4.39	ug/L		98

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

Quantitation Report

Data File : D:\DATA\JUN2023C\JUN19\19JUN18.D Vial: 18
Acq On : 19 Jun 2023 6:13 pm Operator: MGC
Sample : 2309003-CAL8 Inst : MS-V5
Misc : 1 ;3F19029;25ML Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jun 22 4:51 2023 Quant Results File: 82605CX.RES

Method : C:\HPCHEM\1\METHODS\C\202306\19-1901\82605CX.M (RTE Integrator)
Title : EPA Method 8260C/DX
Last Update : Thu Jun 22 04:50:02 2023
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : D:\DATA\JUN2023C\JUN19\19JUN19.D Vial: 19
Acq On : 19 Jun 2023 6:37 pm Operator: MGC
Sample : 2309003-CAL9 Inst : MS-V5
Misc : 1 ;3F19030;25ML Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jun 22 4:52 2023 Quant Results File: 82605CX.RES

Quant Method : C:\HPCHEM\1...\82605CX.M (RTE Integrator)
Title : EPA Method 8260C/DX
Last Update : Thu Jun 22 04:50:02 2023
Response via : Initial Calibration
DataAcq Meth : 82605

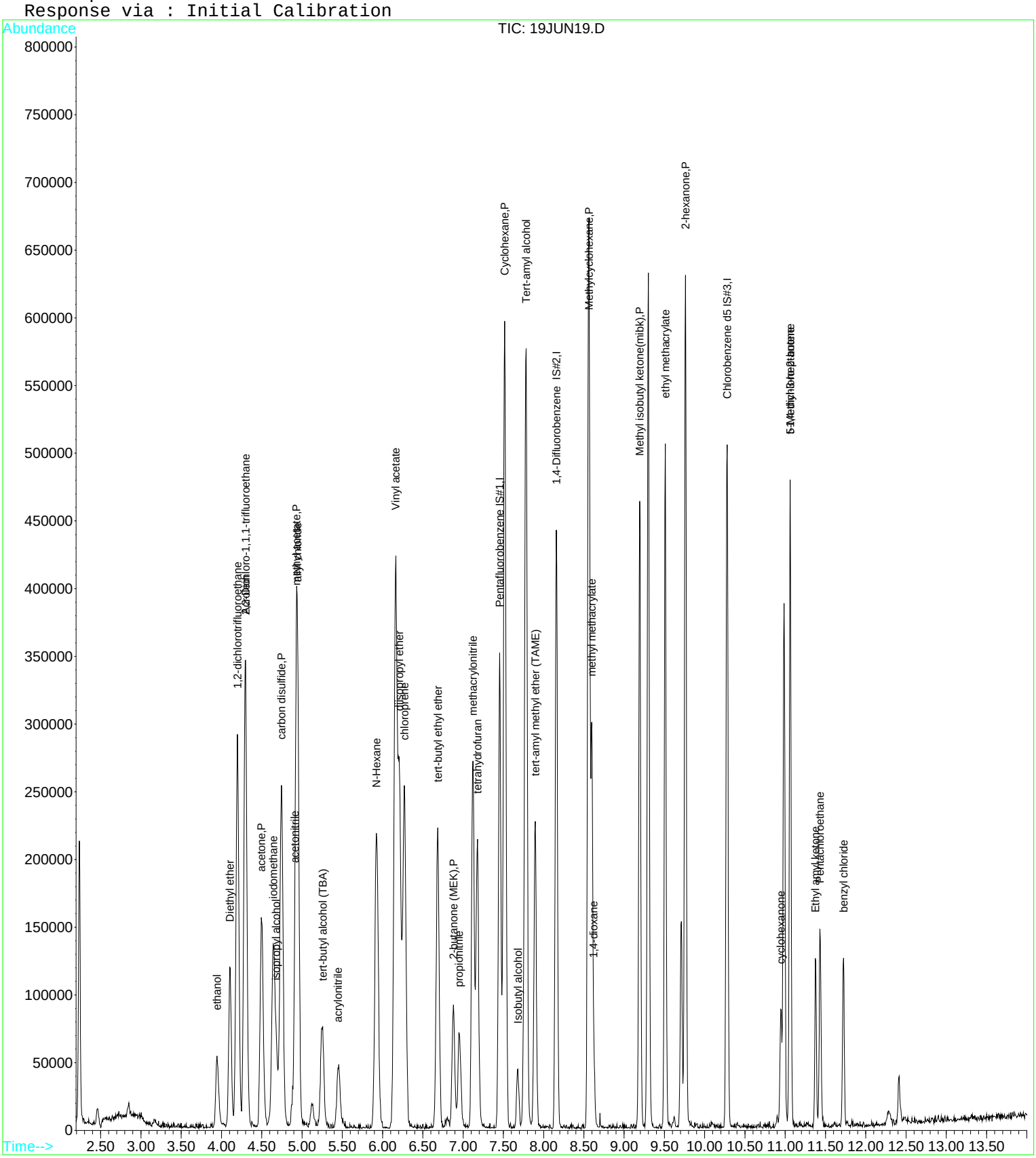
Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Pentafluorobenzene IS#1	7.46	137	42892	10.00	ug/L		0.00
29) 1,4-Difluorobenzene IS#2	8.16	63	90127	10.00	ug/L		0.00
36) Chlorobenzene d5 IS#3	10.28	119	89077	10.00	ug/L		0.00
Target Compounds							Qvalue
2) ethanol	3.95	45	79153	3537.63	ug/L		97
3) 2,2-Dichloro-1,1,1-trifluo	4.29	83	228643	14.20	ug/L	#	94
4) 1,2-dichlorotrifluoroethan	4.20	67	201824	14.77	ug/L		94
5) Diethyl ether	4.11	59	85952	16.49	ug/L		95
6) isopropyl alcohol	4.68	45	85107	697.09	ug/L	#	81
7) Acrolein	4.30	56	63837	132.21	ug/L		98
8) acetone	4.49	43	178032	274.84	ug/L		100
9) tert-butyl alcohol (TBA)	5.26	59	131480	512.61	ug/L		100
10) acetonitrile	4.90	41	36637m	168.22	ug/L		
11) methyl acetate	4.92	43	423724	234.42	ug/L		95
12) allyl chloride	4.95	41	432069	25.96	ug/L		99
13) iodomethane	4.64	142	210615	14.37	ug/L		99
14) acrylonitrile	5.45	53	59583	62.53	ug/L		95
15) carbon disulfide	4.74	76	520449	16.83	ug/L		99
16) N-Hexane	5.92	57	169262	17.61	ug/L		94
17) diisopropyl ether	6.21	87	67630	7.49	ug/L		92
18) Vinyl acetate	6.16	43	1080353	139.58	ug/L		100
19) chloroprene	6.27	53	261090	14.65	ug/L		92
20) tert-butyl ethyl ether	6.69	59	252530	10.27	ug/L		97
21) 2-butanone (MEK)	6.88	43	152301	134.21	ug/L		93
22) propionitrile	6.95	54	102347	297.08	ug/L		98
23) Isobutyl alcohol	7.68	43	32422	337.33	ug/L		96
24) methacrylonitrile	7.12	67	123736	84.81	ug/L		95
25) Tert-amyl alcohol	7.78	59	358395	1811.98	ug/L		97
26) tetrahydrofuran	7.18	42	207131	287.82	ug/L		100
27) Cyclohexane	7.52	56	353162	19.29	ug/L		95
28) tert-amyl methyl ether (TA	7.90	73	156582	8.02	ug/L		96
30) methyl methacrylate	8.60	69	114889	32.59	ug/L		94
31) Methylcyclohexane	8.56	55	267717	15.37	ug/L		95
32) 1,4-dioxane	8.62	88	24692	846.07	ug/L		91
33) Methyl isobutyl ketone(mib	9.19	43	342812	110.92	ug/L		96
34) ethyl methacrylate	9.51	69	254789	34.08	ug/L		95
35) 2-hexanone	9.76	43	440722	226.38	ug/L		97
37) 5-Methyl-3-heptanone	11.06	43	104471	45.23	ug/L		91
38) cyclohexanone	10.94	55	43827	296.19	ug/L		97
39) t-1,4-dichloro-2-butene	11.06	75	44204	30.22	ug/L		91
40) Ethyl amyl ketone	11.37	57	38632	18.04	ug/L		90
41) Pentachloroethane	11.43	167	24394	4.80	ug/L		92
42) benzyl chloride	11.72	91	92459	10.30	ug/L		99

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

Quantitation Report

Data File : D:\DATA\JUN2023C\JUN19\19JUN19.D Vial: 19
Acq On : 19 Jun 2023 6:37 pm Operator: MGC
Sample : 2309003-CAL9 Inst : MS-V5
Misc : 1 ;3F19030;25ML Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jun 22 4:52 2023 Quant Results File: 82605CX.RES

Method : C:\HPCHEM\1\METHODS\C\202306\19-1901\82605CX.M (RTE Integrator)
Title : EPA Method 8260C/DX
Last Update : Thu Jun 22 04:50:02 2023
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : D:\DATA\JUN2023C\JUN19\19JUN20.D Vial: 20
Acq On : 19 Jun 2023 7:01 pm Operator: MGC
Sample : 2309003-CALA Inst : MS-V5
Misc : 1 ;3F19031;25ML Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jun 22 4:53 2023 Quant Results File: 82605CX.RES

Quant Method : C:\HPCHEM\1...\82605CX.M (RTE Integrator)
Title : EPA Method 8260C/DX
Last Update : Thu Jun 22 04:50:02 2023
Response via : Initial Calibration
DataAcq Meth : 82605

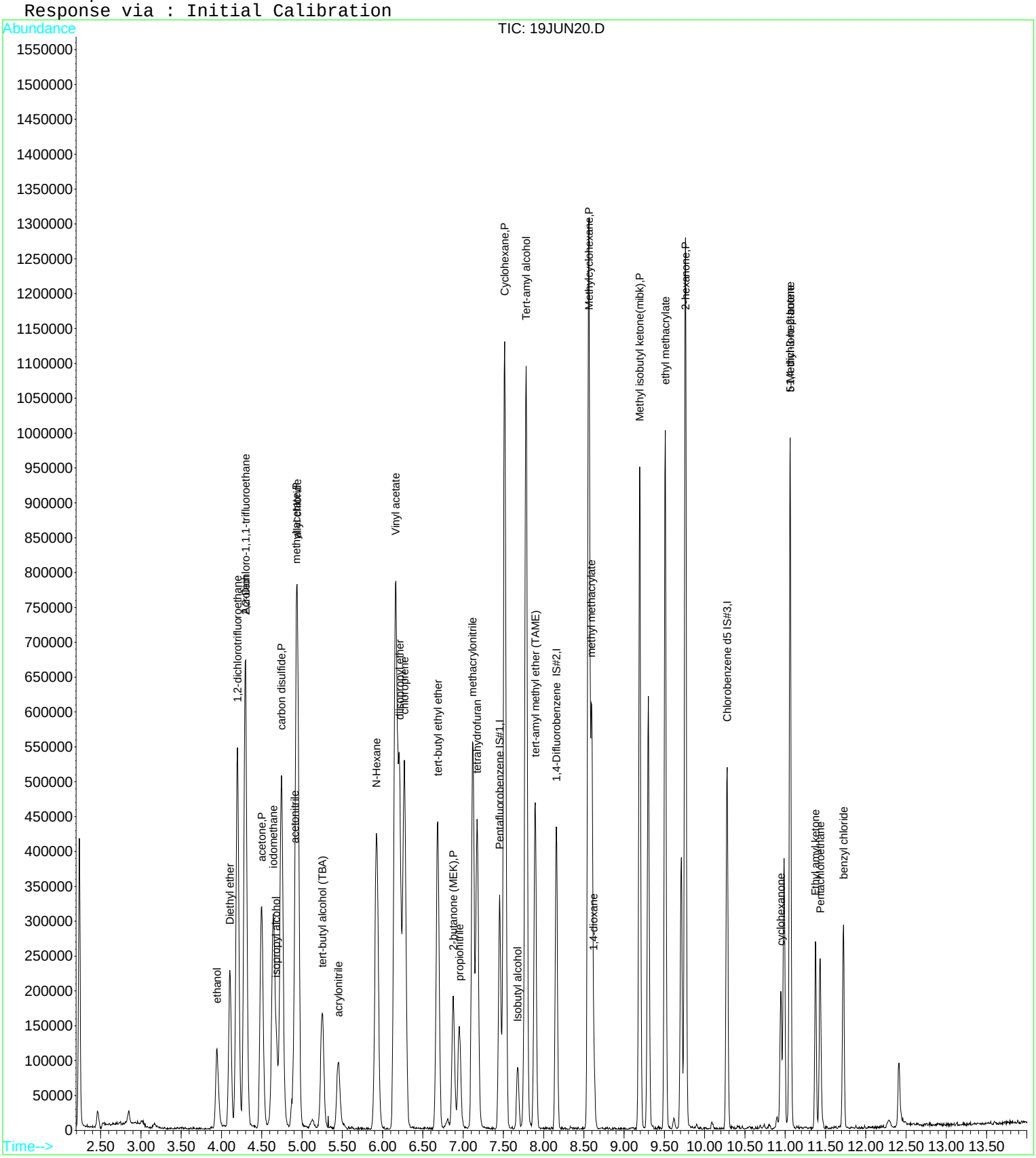
Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Pentafluorobenzene IS#1	7.46	137	39953	10.00	ug/L		0.00
29) 1,4-Difluorobenzene IS#2	8.16	63	85236	10.00	ug/L		0.00
36) Chlorobenzene d5 IS#3	10.28	119	86547	10.00	ug/L		0.00
Target Compounds							Qvalue
2) ethanol	3.94	45	166138	7971.52	ug/L		99
3) 2,2-Dichloro-1,1,1-trifluo	4.29	83	437823	29.19	ug/L		95
4) 1,2-dichlorotrifluoroethan	4.20	67	381716	29.99	ug/L		94
5) Diethyl ether	4.10	59	163425	33.67	ug/L		94
6) isopropyl alcohol	4.68	45	180408	1586.38	ug/L	#	1
7) Acrolein	4.30	56	134164	298.30	ug/L		94
8) acetone	4.49	43	364128	603.48	ug/L		100
9) tert-butyl alcohol (TBA)	5.26	59	286091	1197.46	ug/L		100
10) acetonitrile	4.90	41	81236m	400.43	ug/L		
11) methyl acetate	4.92	43	823221	488.94	ug/L		95
12) allyl chloride	4.94	41	875896	56.51	ug/L		98
13) iodomethane	4.64	142	479377	35.12	ug/L		99
14) acrylonitrile	5.45	53	122181	137.66	ug/L		96
15) carbon disulfide	4.74	76	1057680	36.73	ug/L		100
16) N-Hexane	5.92	57	333354	37.23	ug/L		94
17) diisopropyl ether	6.22	87	135811	16.15	ug/L		92
18) Vinyl acetate	6.16	43	2084709	289.16	ug/L		100
19) chloroprene	6.27	53	543791	32.77	ug/L		90
20) tert-butyl ethyl ether	6.69	59	509606	22.25	ug/L		96
21) 2-butanone (MEK)	6.88	43	313329	296.43	ug/L		94
22) propionitrile	6.95	54	214511	668.46	ug/L		98
23) Isobutyl alcohol	7.68	43	68786	768.32	ug/L		97
24) methacrylonitrile	7.12	67	252777	186.00	ug/L		93
25) Tert-amyl alcohol	7.78	59	701146	3805.64	ug/L		96
26) tetrahydrofuran	7.17	42	416569	621.44	ug/L		98
27) Cyclohexane	7.52	56	666549	39.09	ug/L		93
28) tert-amyl methyl ether (TA	7.90	73	333466	18.33	ug/L		94
30) methyl methacrylate	8.60	69	251926	75.56	ug/L		86
31) Methylcyclohexane	8.56	55	512267	31.09	ug/L		94
32) 1,4-dioxane	8.62	88	52878	1915.84	ug/L		94
33) Methyl isobutyl ketone(mib	9.19	43	688187	235.46	ug/L		97
34) ethyl methacrylate	9.51	69	524425	74.16	ug/L		95
35) 2-hexanone	9.76	43	885299	480.83	ug/L		99
37) 5-Methyl-3-heptanone	11.06	43	207971	92.67	ug/L		91
38) cyclohexanone	10.94	55	92378	642.56	ug/L		97
39) t-1,4-dichloro-2-butene	11.06	75	99675	70.13	ug/L		94
40) Ethyl amyl ketone	11.37	57	81295	39.08	ug/L		92
41) Pentachloroethane	11.44	167	40010	8.10	ug/L		92
42) benzyl chloride	11.72	91	215648	24.72	ug/L		96

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

Quantitation Report

Data File : D:\DATA\JUN2023C\JUN19\19JUN20.D Vial: 20
Acq On : 19 Jun 2023 7:01 pm Operator: MGC
Sample : 2309003-CALA Inst : MS-V5
Misc : 1 ;3F19031;25ML Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jun 22 4:53 2023 Quant Results File: 82605CX.RES

Method : C:\HPCHEM\1\METHODS\C\202306\19-1901\82605CX.M (RTE Integrator)
Title : EPA Method 8260C/DX
Last Update : Thu Jun 22 04:50:02 2023
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : D:\DATA\JUN2023C\JUN19\19JUN21.D Vial: 21
Acq On : 19 Jun 2023 7:25 pm Operator: MGC
Sample : 2309003-CALB Inst : MS-V5
Misc : 1 ;3F19032;25ML Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jun 22 4:53 2023 Quant Results File: 82605CX.RES

Quant Method : C:\HPCHEM\1...\82605CX.M (RTE Integrator)
Title : EPA Method 8260C/DX
Last Update : Thu Jun 22 04:50:02 2023
Response via : Initial Calibration
DataAcq Meth : 82605

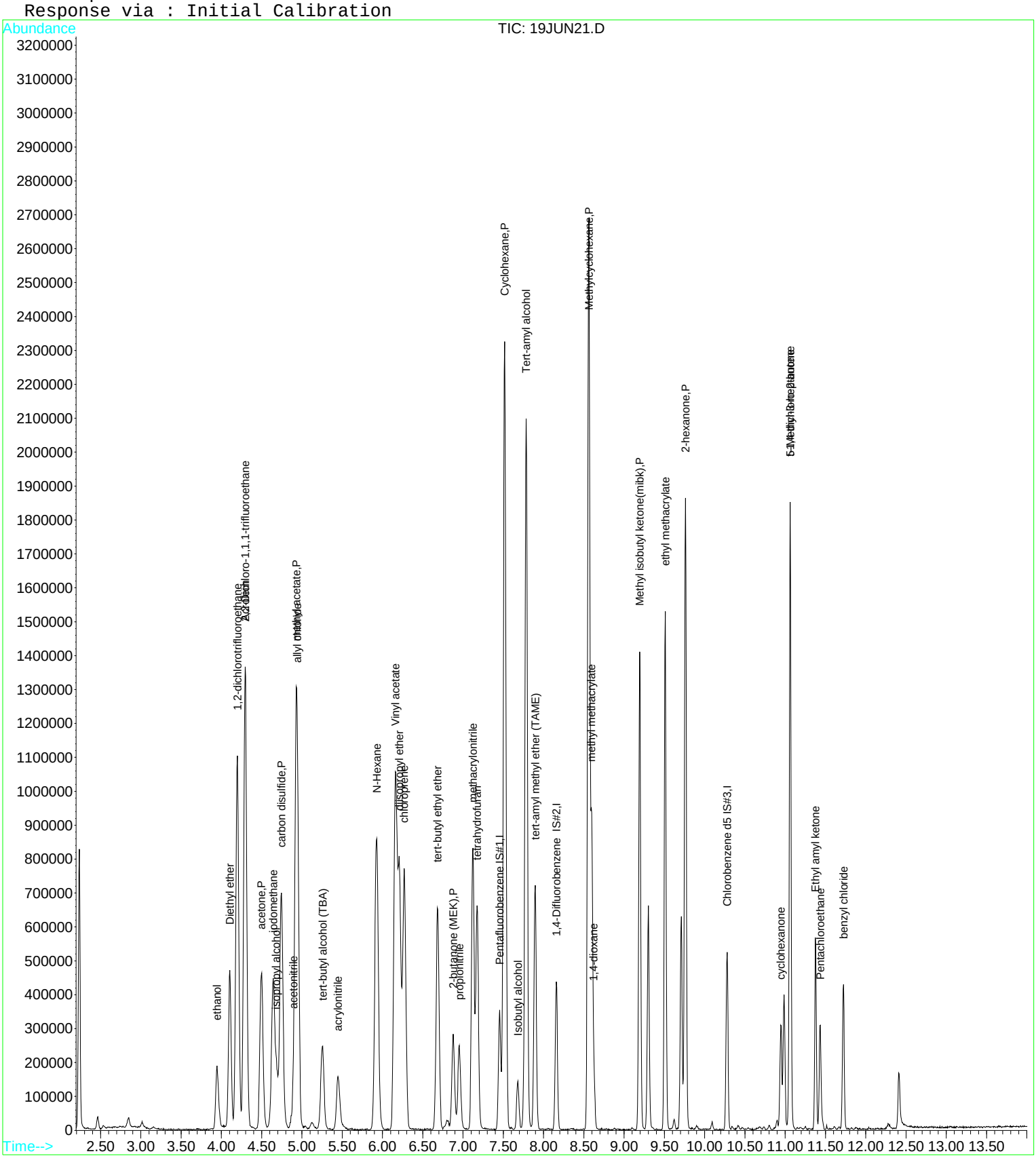
Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Pentafluorobenzene IS#1	7.46	137	41985	10.00	ug/L		0.00
29) 1,4-Difluorobenzene IS#2	8.16	63	87221	10.00	ug/L		0.00
36) Chlorobenzene d5 IS#3	10.28	119	90860	10.00	ug/L		0.00
Target Compounds							Qvalue
2) ethanol	3.95	45	269419	12301.43	ug/L		99
3) 2,2-Dichloro-1,1,1-trifluo	4.29	83	892010	56.60	ug/L	#	93
4) 1,2-dichlorotrifluoroethan	4.20	67	767469	57.39	ug/L		95
5) Diethyl ether	4.10	59	339321	66.52	ug/L		94
6) isopropyl alcohol	4.68	45	283552	2372.67	ug/L	#	1
7) Acrolein	4.30	56	216678	458.45	ug/L		96
8) acetone	4.49	43	536410	845.99	ug/L		99
9) tert-butyl alcohol (TBA)	5.26	59	420326	1674.16	ug/L		100
10) acetonitrile	4.89	41	108034	506.75	ug/L	#	46
11) methyl acetate	4.92	43	1607557	908.57	ug/L		96
12) allyl chloride	4.94	41	1139370	69.94	ug/L		98
13) iodomethane	4.64	142	695082	48.46	ug/L		99
14) acrylonitrile	5.45	53	199409	213.79	ug/L		96
15) carbon disulfide	4.75	76	1488152	49.18	ug/L		100
16) N-Hexane	5.92	57	688892	73.21	ug/L		95
17) diisopropyl ether	6.21	87	203175	22.99	ug/L		91
18) Vinyl acetate	6.16	43	2864438	378.08	ug/L		99
19) chloroprene	6.27	53	781580	44.82	ug/L		90
20) tert-butyl ethyl ether	6.68	59	764436	31.76	ug/L		97
21) 2-butanone (MEK)	6.88	43	464586	418.26	ug/L		93
22) propionitrile	6.95	54	348947	1034.76	ug/L		98
23) Isobutyl alcohol	7.68	43	108093	1148.94	ug/L		97
24) methacrylonitrile	7.12	67	377209	264.13	ug/L		93
25) Tert-amyl alcohol	7.78	59	1358286	7015.62	ug/L		94
26) tetrahydrofuran	7.17	42	631977	897.15	ug/L		98
27) Cyclohexane	7.52	56	1342971	74.94	ug/L		91
28) tert-amyl methyl ether (TA	7.90	73	502054	26.25	ug/L		94
30) methyl methacrylate	8.60	69	386880	113.39	ug/L		85
31) Methylcyclohexane	8.56	55	1035944	61.44	ug/L		93
32) 1,4-dioxane	8.62	88	87390	3094.19	ug/L		97
33) Methyl isobutyl ketone(mib	9.19	43	1012190	338.43	ug/L		99
34) ethyl methacrylate	9.51	69	780001	107.79	ug/L		97
35) 2-hexanone	9.76	43	1279456	679.09	ug/L		99
37) 5-Methyl-3-heptanone	11.06	43	426834	181.16	ug/L		92
38) cyclohexanone	10.94	55	149855	992.88	ug/L		96
39) t-1,4-dichloro-2-butene	11.06	75	148497	99.52	ug/L		94
40) Ethyl amyl ketone	11.37	57	169757	77.73	ug/L		90
41) Pentachloroethane	11.44	167	49371	9.52	ug/L		91
42) benzyl chloride	11.72	91	317150	34.63	ug/L		96

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

Quantitation Report

Data File : D:\DATA\JUN2023C\JUN19\19JUN21.D Vial: 21
Acq On : 19 Jun 2023 7:25 pm Operator: MGC
Sample : 2309003-CALB Inst : MS-V5
Misc : 1 ;3F19032;25ML Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jun 22 4:53 2023 Quant Results File: 82605CX.RES

Method : C:\HPCHEM\1\METHODS\C\202306\19-1901\82605CX.M (RTE Integrator)
Title : EPA Method 8260C/DX
Last Update : Thu Jun 22 04:50:02 2023
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : D:\DATA\JUN2023C\JUN19\19JUN22.D Vial: 22
Acq On : 19 Jun 2023 7:50 pm Operator: MGC
Sample : 2309003-CALC Inst : MS-V5
Misc : 1 ;3F19033;25ML Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jun 22 4:54 2023 Quant Results File: 82605CX.RES

Quant Method : C:\HPCHEM\1...\82605CX.M (RTE Integrator)
Title : EPA Method 8260C/DX
Last Update : Thu Jun 22 04:50:02 2023
Response via : Initial Calibration
DataAcq Meth : 82605

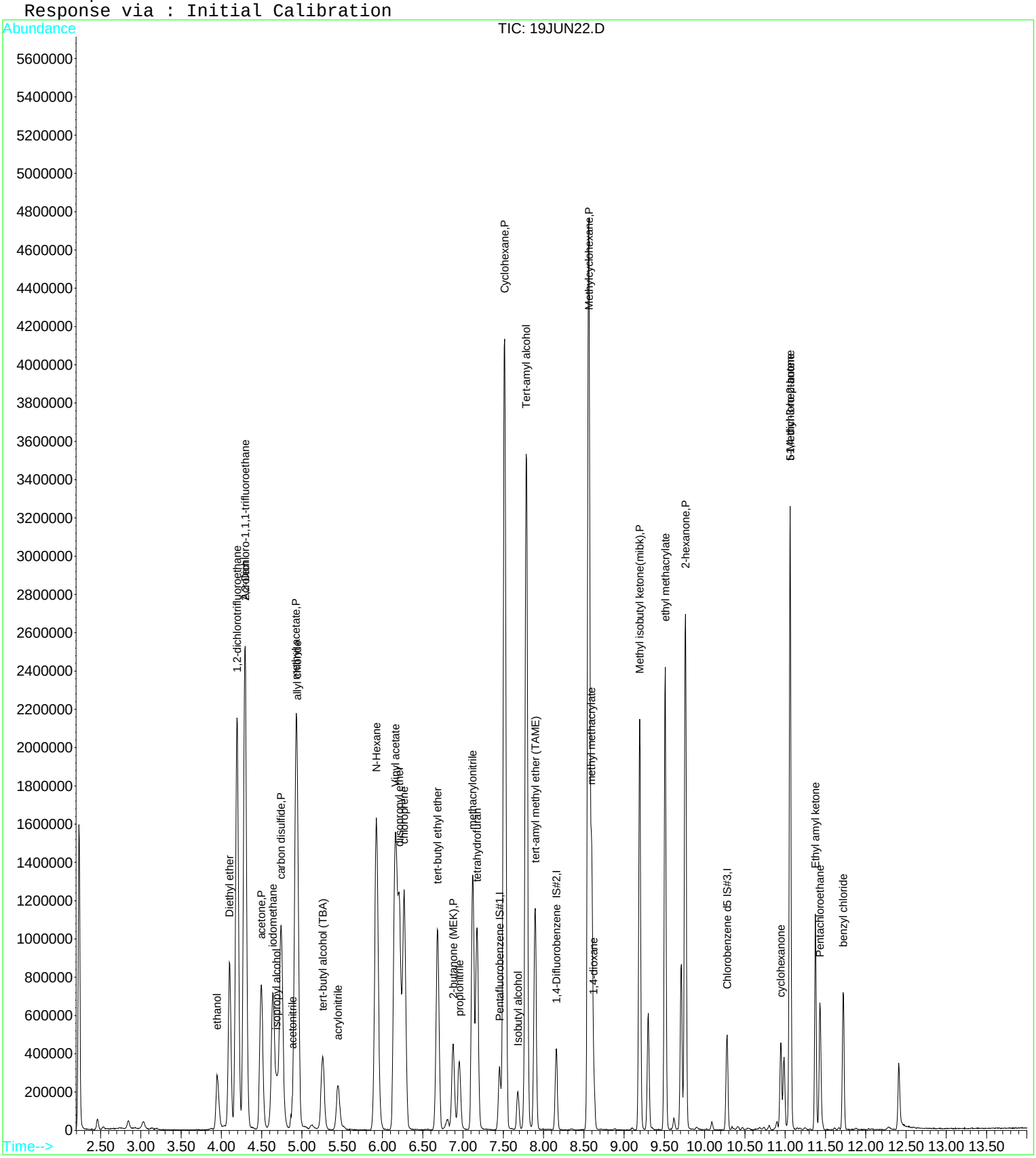
Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Pentafluorobenzene IS#1	7.45	137	40092	10.00	ug/L		0.00
29) 1,4-Difluorobenzene IS#2	8.16	63	87098	10.00	ug/L		0.00
36) Chlorobenzene d5 IS#3	10.27	119	85451	10.00	ug/L		0.00
Target Compounds							Qvalue
2) ethanol	3.95	45	404943	19362.33	ug/L		99
3) 2,2-Dichloro-1,1,1-trifluo	4.29	83	1685198	111.98	ug/L	#	92
4) 1,2-dichlorotrifluoroethan	4.19	67	1485157	116.29	ug/L		95
5) Diethyl ether	4.11	59	644353	132.28	ug/L		94
6) isopropyl alcohol	4.69	45	420613	3685.74	ug/L	#	1
7) Acrolein	4.30	56	326507	723.44	ug/L		96
8) acetone	4.49	43	861737	1423.24	ug/L		99
9) tert-butyl alcohol (TBA)	5.26	59	664883	2773.27	ug/L		100
10) acetonitrile	4.88	41	168516	827.78	ug/L	#	62
11) methyl acetate	4.92	43	2823452	1671.12	ug/L		99
12) allyl chloride	4.95	41	1760124	113.15	ug/L		96
13) iodomethane	4.64	142	1151634	84.08	ug/L		97
14) acrylonitrile	5.45	53	294942	331.15	ug/L		98
15) carbon disulfide	4.74	76	2358828	81.63	ug/L		99
16) N-Hexane	5.92	57	1295658	144.20	ug/L		95
17) diisopropyl ether	6.21	87	327740	38.84	ug/L		86
18) Vinyl acetate	6.16	43	4366370	603.54	ug/L		97
19) chloroprene	6.27	53	1259789	75.65	ug/L		89
20) tert-butyl ethyl ether	6.68	59	1227760	53.42	ug/L		95
21) 2-butanone (MEK)	6.88	43	748514	705.69	ug/L		92
22) propionitrile	6.95	54	506733	1573.61	ug/L		98
23) Isobutyl alcohol	7.68	43	153478	1708.37	ug/L		95
24) methacrylonitrile	7.12	67	612056	448.81	ug/L		95
25) Tert-amyl alcohol	7.78	59	2298236	12430.99	ug/L		90
26) tetrahydrofuran	7.17	42	1008736	1499.61	ug/L		97
27) Cyclohexane	7.52	56	2411242	140.91	ug/L		89
28) tert-amyl methyl ether (TA	7.90	73	815161	44.64	ug/L		96
30) methyl methacrylate	8.60	69	567432	166.54	ug/L		93
31) Methylcyclohexane	8.56	55	1870200	111.07	ug/L		91
32) 1,4-dioxane	8.62	88	137299	4868.17	ug/L		92
33) Methyl isobutyl ketone(mib	9.19	43	1512385	506.38	ug/L		98
34) ethyl methacrylate	9.51	69	1234530	170.85	ug/L		98
35) 2-hexanone	9.76	43	1832759	974.14	ug/L		95
37) 5-Methyl-3-heptanone	11.06	43	769294	347.17	ug/L		93
38) cyclohexanone	10.94	55	217156	1529.87	ug/L		95
39) t-1,4-dichloro-2-butene	11.06	75	233206	166.18	ug/L		95
40) Ethyl amyl ketone	11.38	57	333482	162.37	ug/L		91
41) Pentachloroethane	11.44	167	111909	22.95	ug/L		93
42) benzyl chloride	11.72	91	527919	61.29	ug/L		98

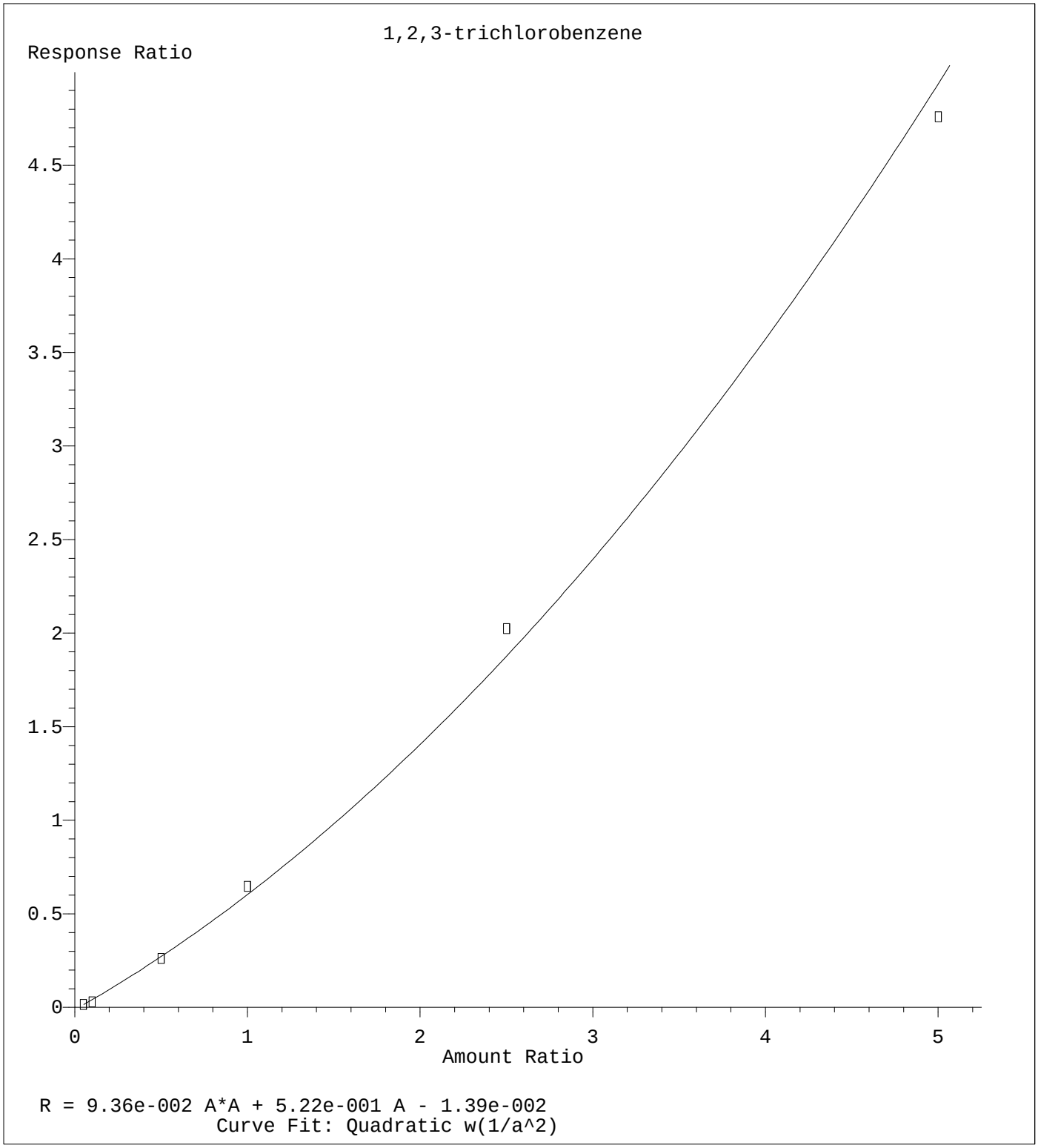
(#) = qualifier out of range (m) = manual integration

Quantitation Report

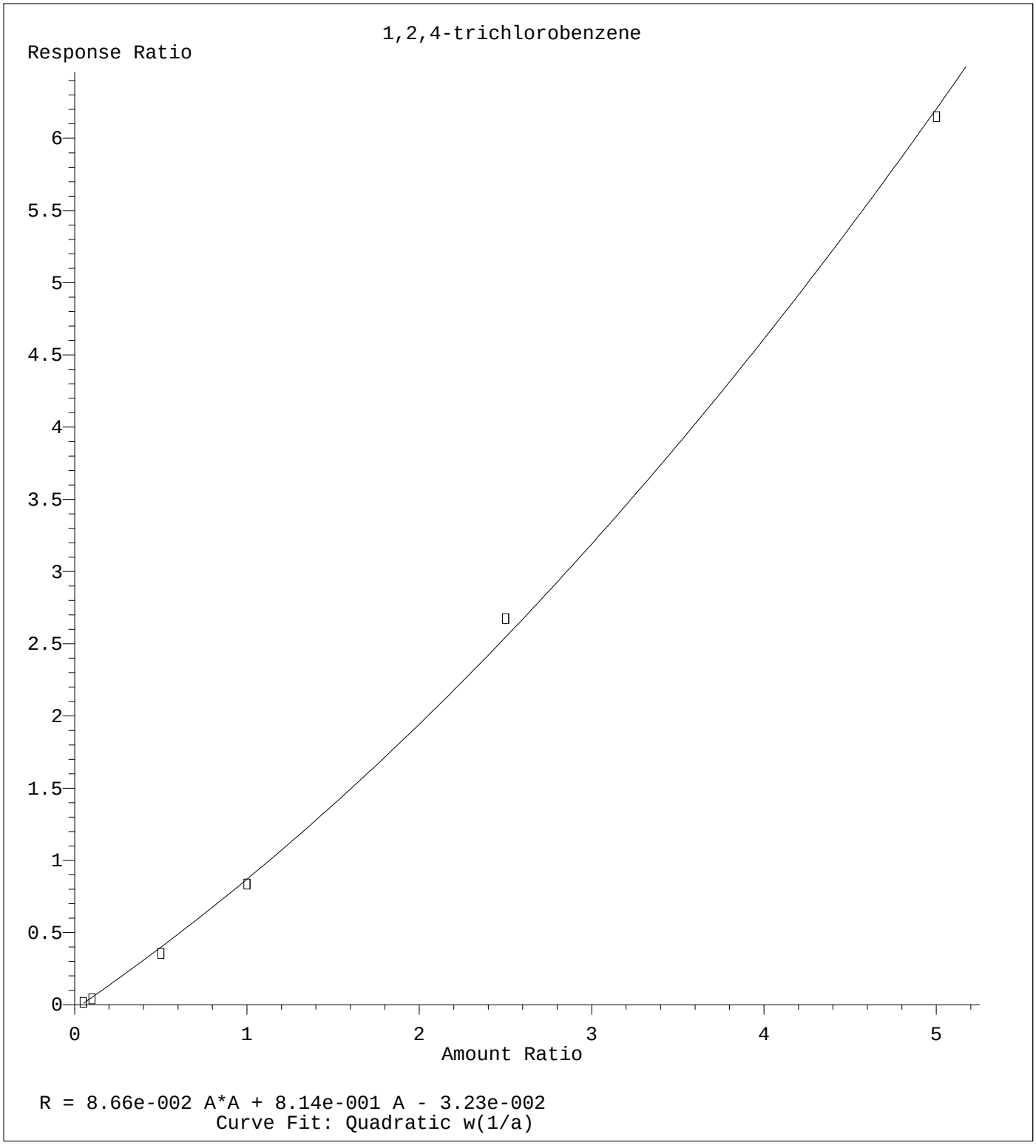
Data File : D:\DATA\JUN2023C\JUN19\19JUN22.D Vial: 22
Acq On : 19 Jun 2023 7:50 pm Operator: MGC
Sample : 2309003-CALC Inst : MS-V5
Misc : 1 ;3F19033;25ML Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jun 22 4:54 2023 Quant Results File: 82605CX.RES

Method : C:\HPCHEM\1\METHODS\C\202306\19-1901\82605CX.M (RTE Integrator)
Title : EPA Method 8260C/DX
Last Update : Thu Jun 22 04:50:02 2023
Response via : Initial Calibration

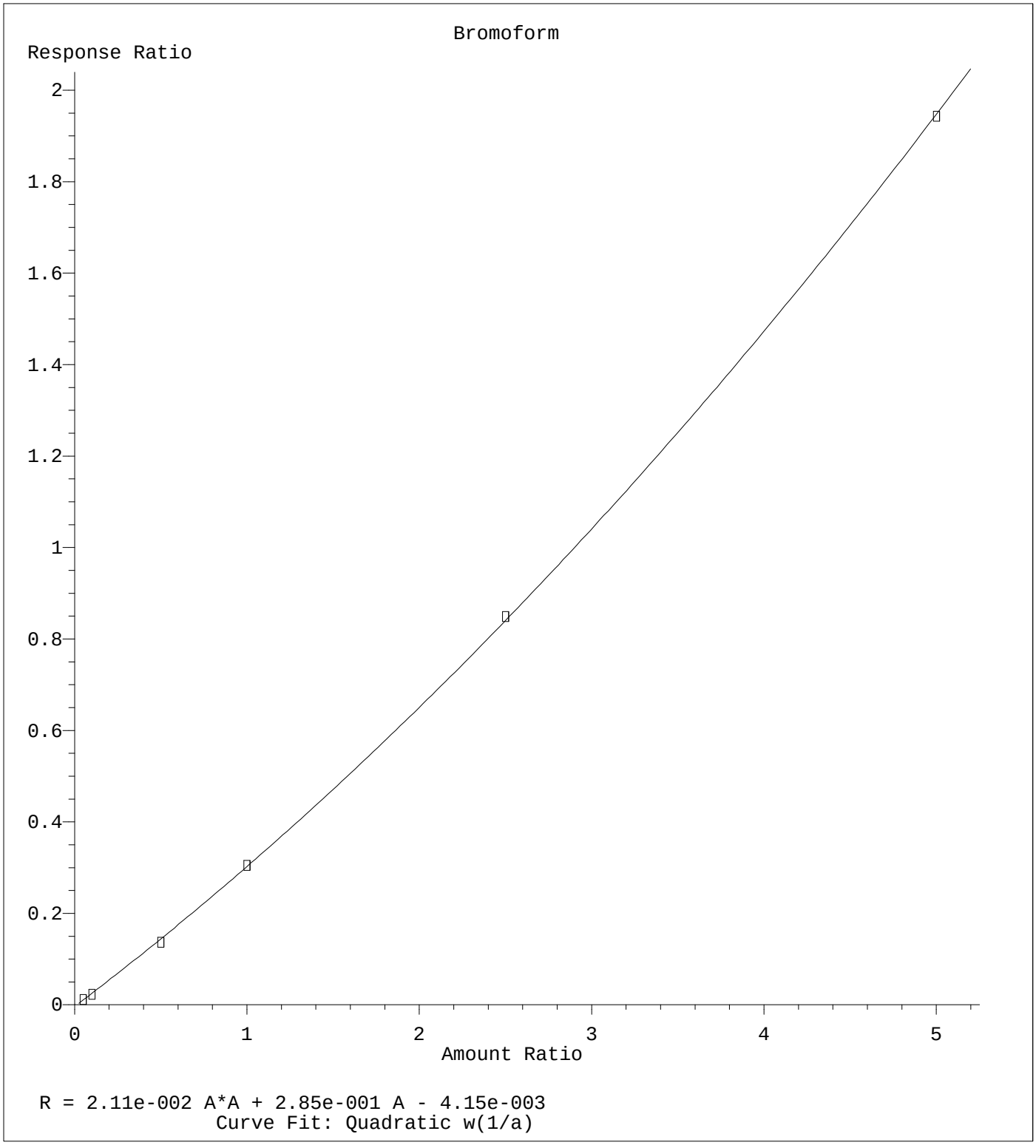




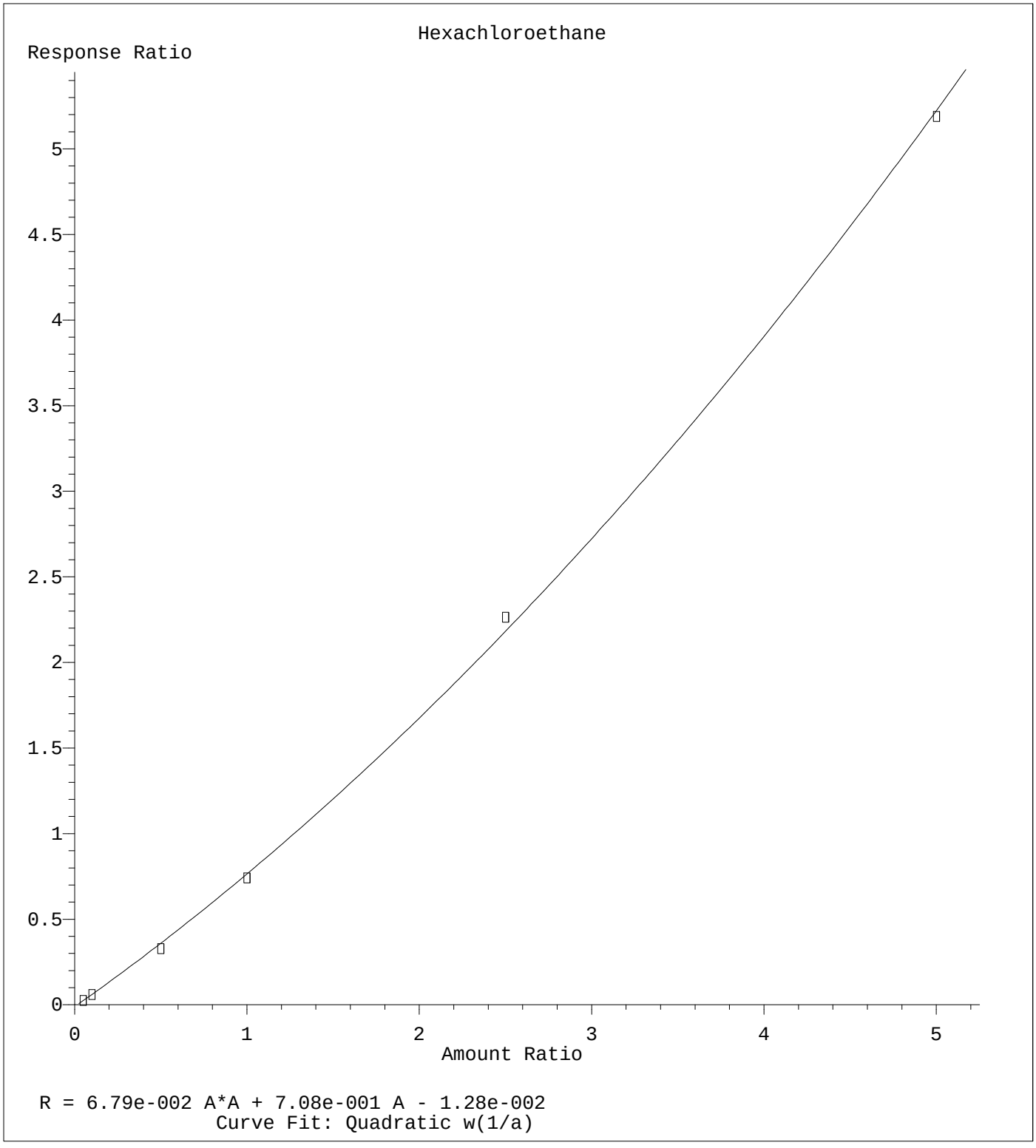
Method Name: C:\HPCHEM\1\METHODS\C\202306\21-0902\82605C.M
Calibration Table Last Updated: Thu Jun 22 11:15:56 2023



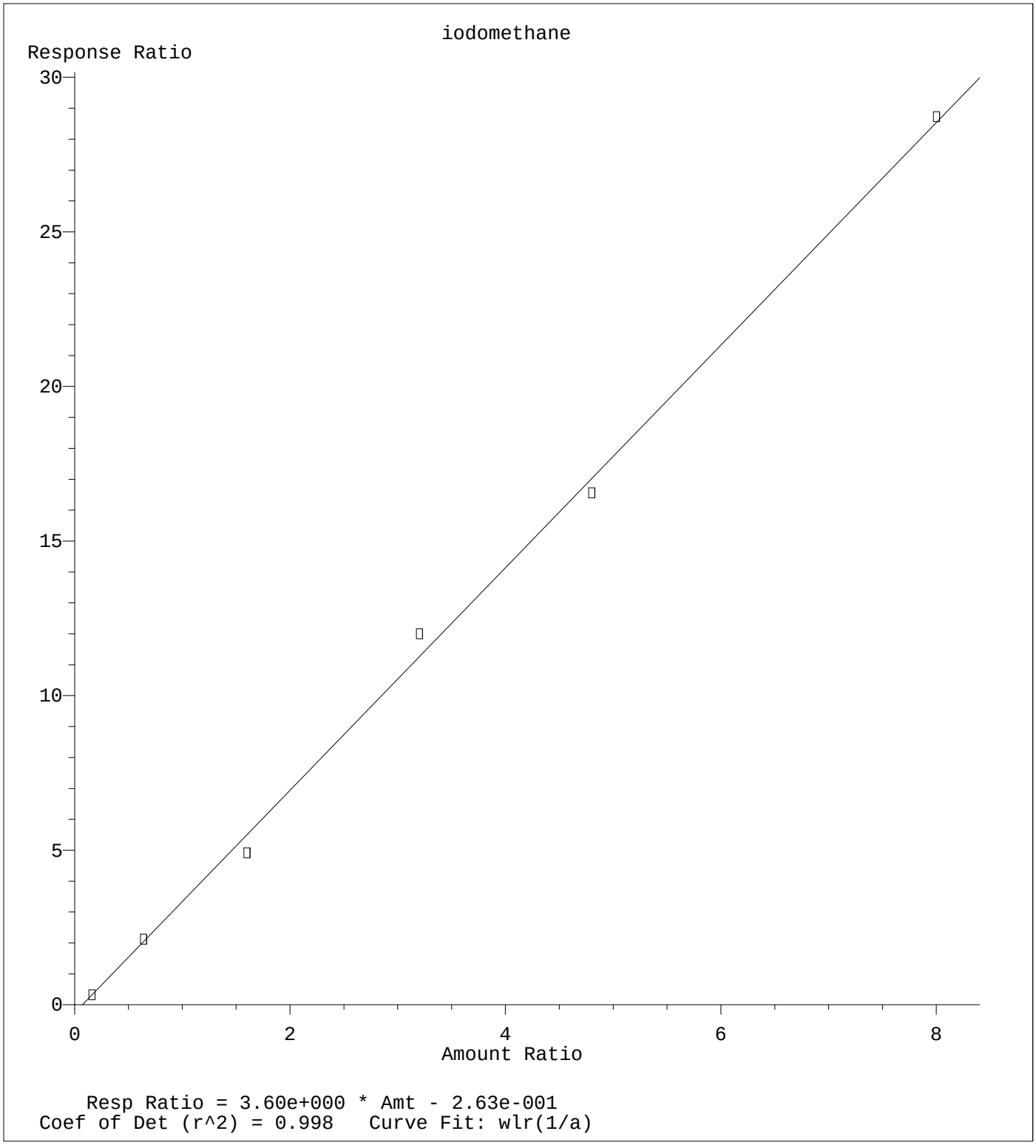
Method Name: C:\HPCHEM\1\METHODS\C\202306\21-0902\82605C.M
Calibration Table Last Updated: Thu Jun 22 11:15:56 2023



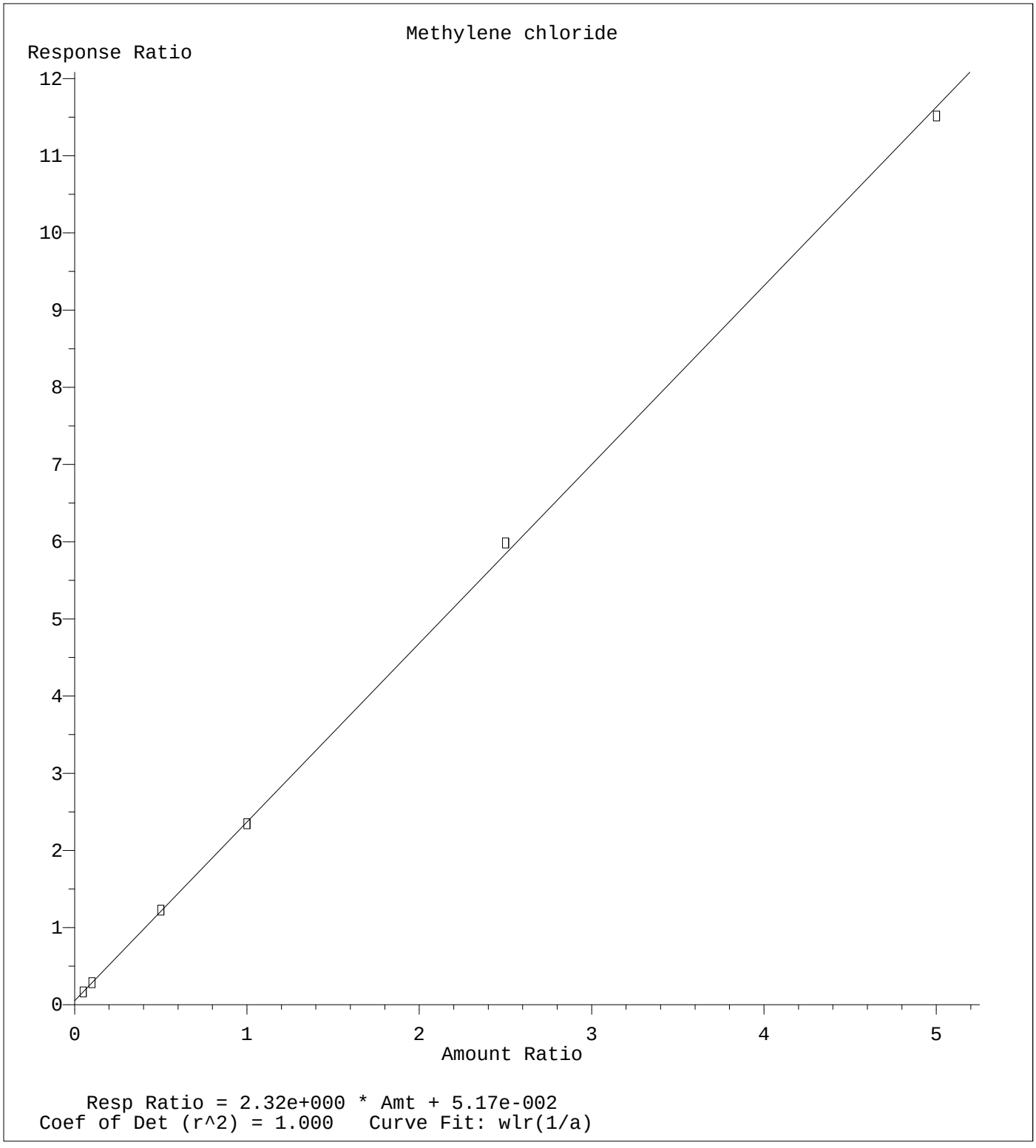
Method Name: C:\HPCHEM\1\METHODS\C\202306\21-0902\82605C.M
Calibration Table Last Updated: Thu Jun 22 11:15:56 2023



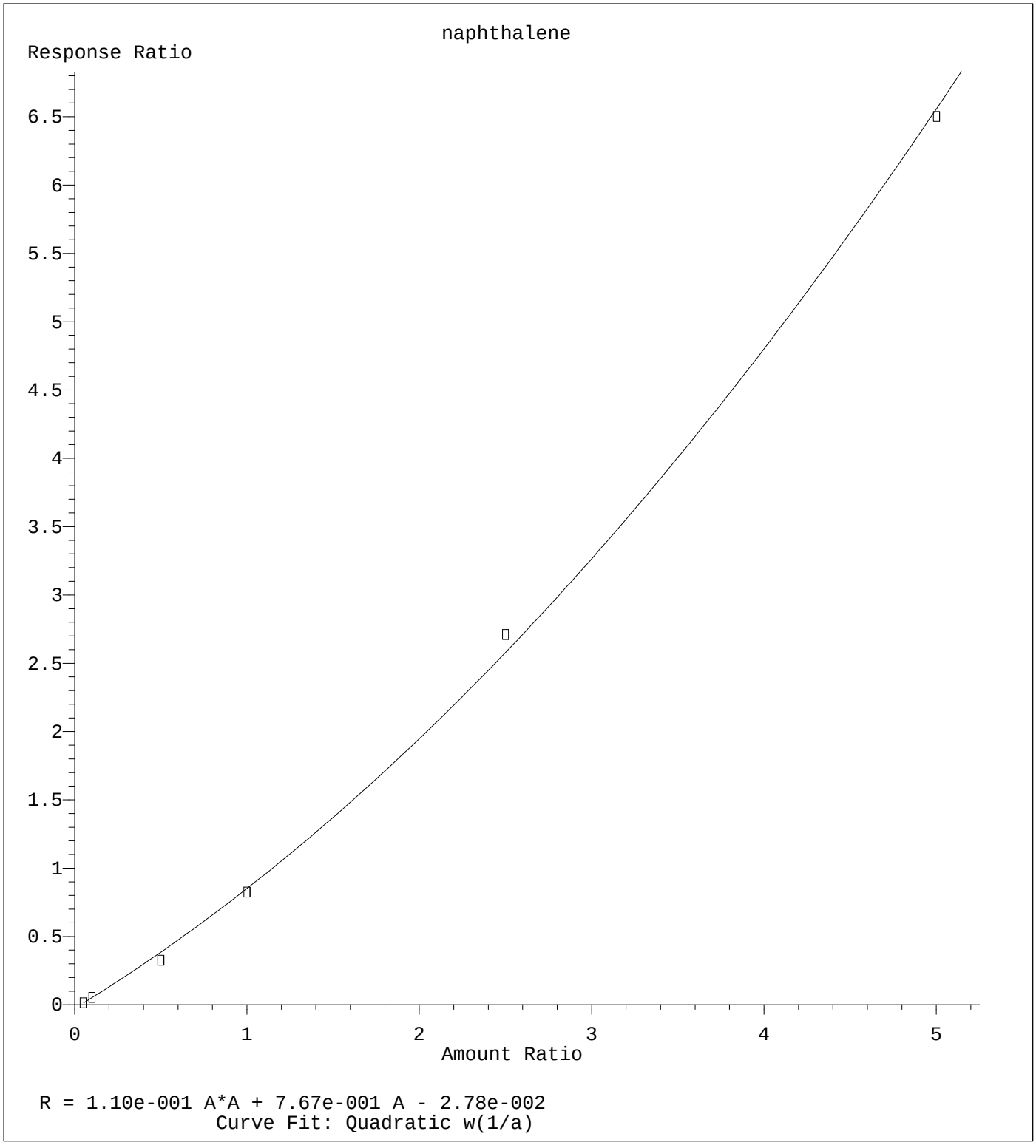
Method Name: C:\HPCHEM\1\METHODS\C\202306\21-0902\82605C.M
Calibration Table Last Updated: Thu Jun 22 11:15:56 2023



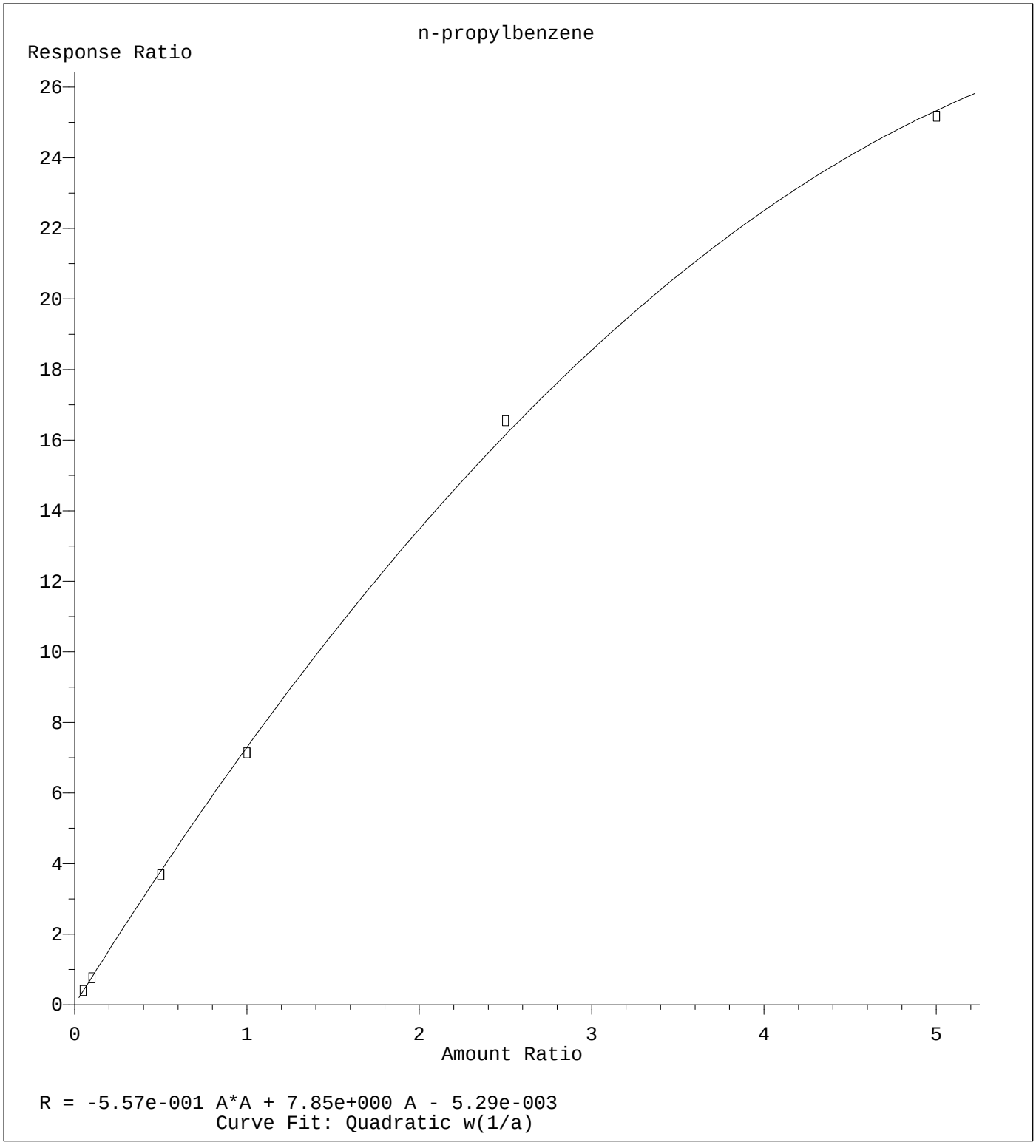
Method Name: C:\HPCHEM\1\METHODS\C\202306\19-1901\82605CX.M
Calibration Table Last Updated: Thu Jun 22 04:57:10 2023



Method Name: C:\HPCHEM\1\METHODS\C\202306\21-0902\82605C.M
Calibration Table Last Updated: Thu Jun 22 11:15:56 2023



Method Name: C:\HPCHEM\1\METHODS\C\202306\21-0902\82605C.M
Calibration Table Last Updated: Thu Jun 22 11:15:56 2023



Method Name: C:\HPCHEM\1\METHODS\C\202306\21-0902\82605C.M
Calibration Table Last Updated: Thu Jun 22 11:15:56 2023

Raw Data - ICV

Quantitation Report (QT Reviewed)

Data File : D:\DATA\JUN2023C\JUN21\21JUN12.D Vial: 12
Acq On : 21 Jun 2023 10:15 am Operator: MGC
Sample : 2309128-ICV1 Inst : MS-V5
Misc : 1 ;3F21007;25ML Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jun 22 11:24 2023 Quant Results File: 82605C.RES

Quant Method : C:\HPCHEM\1...\82605C.M (RTE Integrator)
Title : EPA Method 8260C/D
Last Update : Thu Jun 22 11:15:56 2023
Response via : Initial Calibration
DataAcq Meth : 82605

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene IS#1	7.45	137	50342	10.00	ug/L	0.00
26) 1,4-Difluorobenzene IS#2	8.16	63	109199	10.00	ug/L	0.00
41) Chlorobenzene d5 IS#3	10.28	119	103123	10.00	ug/L	0.00
System Monitoring Compounds						
23) 1,2-dichloroethane d4 SMC	7.76	65	132747	10.13	ug/L	0.00
Spiked Amount 10.000	Range 75 - 125		Recovery = 101.30%			
33) Toluene d8 SMC#2	9.30	98	469702	10.29	ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 102.90%			
51) Bromofluorobenzene SMC#3	10.99	95	158919	10.56	ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 105.60%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.29	85	644761	26.61	ug/L	96
3) Chlorodifluoromethane	2.31	51	256420	23.60	ug/L	85
4) Chloromethane	2.53	50	513972	24.78	ug/L	98
5) Vinyl chloride	2.69	62	383339	25.87	ug/L	99
6) Bromomethane	3.18	94	258169	27.28	ug/L	98
7) Chloroethane	3.34	64	315436	24.07	ug/L	100
8) Dichlorofluoromethane	3.66	67	654161	24.07	ug/L	98
9) Trichlorofluoromethane	3.71	101	781293	25.25	ug/L	97
10) 1,1,2-Trichloro-1,2,2-trif	4.45	101	362557	24.63	ug/L	99
11) 1,1-Dichloroethene	4.44	61	722807	25.09	ug/L	99
12) Methylene chloride	5.13	84	290228	24.65	ug/L	99
13) MTBE	5.49	73	546766	23.22	ug/L	100
14) T-1,2-dichloroethene	5.51	96	361415	24.54	ug/L	99
15) 1,1-Dichloroethane	6.17	63	783185	23.65	ug/L	98
16) 2,2-Dichloropropane	6.91	77	725259	24.70	ug/L	98
17) Cis-1,2-dichloroethene	6.90	96	363261	24.33	ug/L	97
18) Bromochloromethane	7.17	128	114378	24.54	ug/L	99
19) Chloroform	7.27	83	674474	24.12	ug/L	98
20) 1,1,1-Trichloroethane	7.44	97	733769	24.38	ug/L	92
21) 1,1-Dichloropropene	7.60	75	568355	25.47	ug/L	98
22) Carbon tetrachloride	7.60	119	600381	26.00	ug/L	100
24) 1,2-Dichloroethane	7.83	62	419649	23.40	ug/L	99
25) Benzene	7.79	78	1338140	23.47	ug/L	95
27) Trichloroethene	8.37	130	363783	23.69	ug/L	99
28) 1,2-Dichloropropane	8.58	63	363989	23.28	ug/L	99
29) Dibromomethane	8.65	93	120792	25.60	ug/L	100
30) Bromodichloromethane	8.78	83	427095	25.62	ug/L	99
31) 2-ceve	8.97	63	410764	100.37	ug/L	98
32) Cis-1,3-dichloropropene	9.10	75	455541	25.31	ug/L	99
34) Toluene	9.35	92	824172	24.77	ug/L	89
35) Trans-1,3-dichloropropene	9.49	75	334676	25.47	ug/L	100
36) 1,1,2-Trichloroethane	9.64	97	150936	23.81	ug/L	100
37) Tetrachloroethene (PCE)	9.71	166	366019	24.72	ug/L	98
38) 1,3-Dichloropropane	9.75	76	290650	23.67	ug/L	98
39) Dibromochloromethane	9.90	129	197911	25.91	ug/L	98
40) 1,2-Dibromoethane	9.99	107	138368	25.00	ug/L	99
42) Chlorobenzene	10.29	112	807426	24.46	ug/L	95
43) 1,1,1,2-Tetrachloroethane	10.34	131	291427	25.14	ug/L	100
44) Ethylbenzene	10.34	106	487776	23.99	ug/L	65
45) P+m-Xylene	10.42	106	1131069	48.22	ug/L	73
46) O-Xylene	10.66	106	543874	23.86	ug/L	87
47) Styrene	10.67	104	818763	25.03	ug/L	95
48) Bromoform	10.80	173	83479	24.22	ug/L	99
49) Isopropylbenzene	10.87	105	1529199	24.83	ug/L	88
50) 1,1,2,2-Tetrachloroethane	11.04	83	135113	23.44	ug/L	99

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

Quantitation Report (QT Reviewed)

Data File : D:\DATA\JUN2023C\JUN21\21JUN12.D Vial: 12
Acq On : 21 Jun 2023 10:15 am Operator: MGC
Sample : 2309128-ICV1 Inst : MS-V5
Misc : 1 ;3F21007;25ML Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jun 22 11:24 2023 Quant Results File: 82605C.RES

Quant Method : C:\HPCHEM\1...\82605C.M (RTE Integrator)
Title : EPA Method 8260C/D
Last Update : Thu Jun 22 11:15:56 2023
Response via : Initial Calibration
DataAcq Meth : 82605

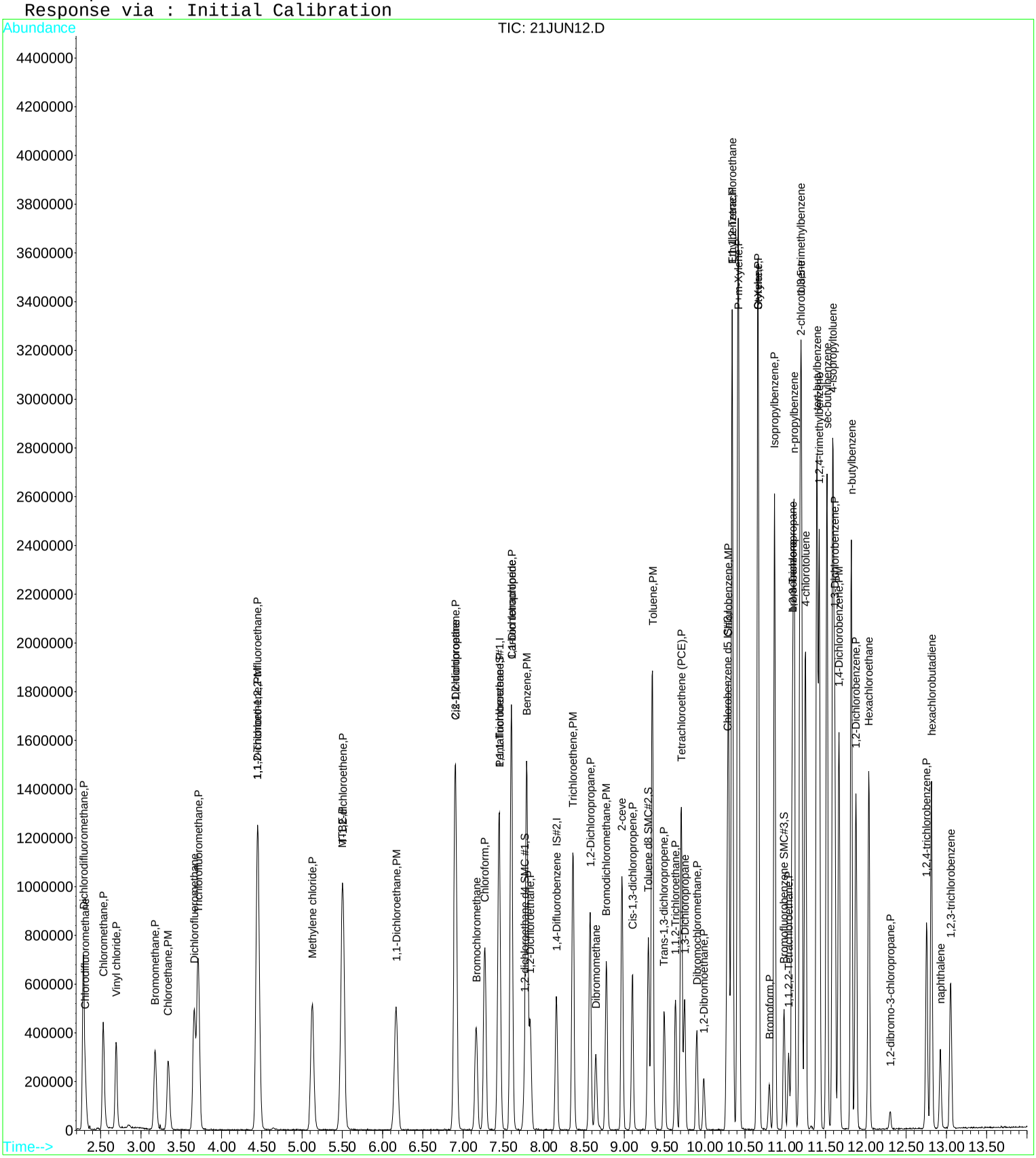
	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
52)	1,2,3-Trichloropropane	11.09	110	43982	25.07 ug/L	98
53)	n-propylbenzene	11.11	91	1718211	26.03 ug/L	85
54)	bromobenzene	11.09	156	299313	24.85 ug/L	99
55)	1,3,5-trimethylbenzene	11.20	105	1270002	25.12 ug/L	90
56)	2-chlorotoluene	11.18	91	1245887	24.94 ug/L	93
57)	4-chlorotoluene	11.25	91	1109593	26.19 ug/L	92
58)	tert-butylbenzene	11.39	119	1308809	24.87 ug/L	92
59)	1,2,4-trimethylbenzene	11.42	105	1250998	26.07 ug/L	88
60)	sec-butylbenzene	11.52	105	1613875	24.64 ug/L	86
61)	4-isopropyltoluene	11.59	119	1330518	26.06 ug/L	88
62)	1,3-Dichlorobenzene	11.62	146	656698	26.82 ug/L	96
63)	1,4-Dichlorobenzene	11.67	146	625614	26.76 ug/L	96
64)	n-butylbenzene	11.82	91	1212043	28.08 ug/L	90
65)	1,2-Dichlorobenzene	11.88	146	535460	26.32 ug/L	98
66)	Hexachloroethane	12.04	117	222328	24.76 ug/L	96
67)	1,2-dibromo-3-chloropropan	12.30	75	22698	26.90 ug/L	95
68)	1,2,4-trichlorobenzene	12.75	180	265696	25.26 ug/L	100
69)	hexachlorobutadiene	12.81	225	302362	27.51 ug/L	98
70)	naphthalene	12.93	128	268580	25.21 ug/L	100
71)	1,2,3-trichlorobenzene	13.05	180	200510	25.69 ug/L	98

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

Quantitation Report

Data File : D:\DATA\JUN2023C\JUN21\21JUN12.D Vial: 12
Acq On : 21 Jun 2023 10:15 am Operator: MGC
Sample : 2309128-ICV1 Inst : MS-V5
Misc : 1 ;3F21007;25ML Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jun 22 11:24 2023 Quant Results File: 82605C.RES

Method : C:\HPCHEM\1\METHODS\C\202306\21-0902\82605C.M (RTE Integrator)
Title : EPA Method 8260C/D
Last Update : Thu Jun 22 11:15:56 2023
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : D:\DATA\JUN2023C\JUN19\19JUN25.D Vial: 25
Acq On : 19 Jun 2023 9:02 pm Operator: MGC
Sample : 2309003-ICV2 Inst : MS-V5
Misc : 1 ;3F19034;25ML Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jun 22 5:01 2023 Quant Results File: 82605CX.RES

Quant Method : C:\HPCHEM\1...\82605CX.M (RTE Integrator)
Title : EPA Method 8260C/DX
Last Update : Thu Jun 22 04:57:10 2023
Response via : Initial Calibration
DataAcq Meth : 82605

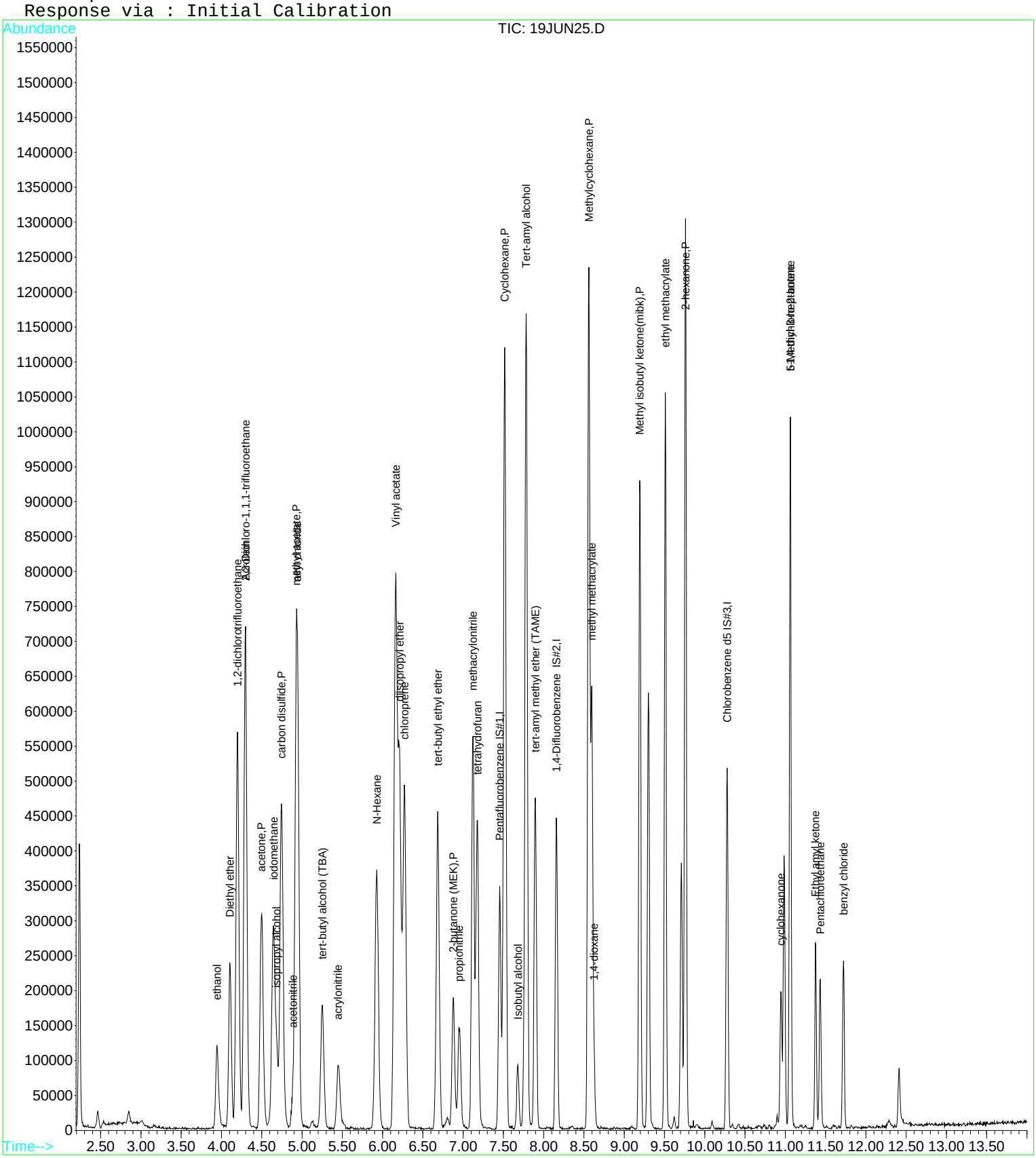
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene IS#1	7.46	137	42662	10.00	ug/L	0.00
29) 1,4-Difluorobenzene IS#2	8.16	63	88305	10.00	ug/L	0.00
36) Chlorobenzene d5 IS#3	10.28	119	91620	10.00	ug/L	0.00
Target Compounds						Qvalue
2) ethanol	3.95	45	175912	4250.83	ug/L	100
3) 2,2-Dichloro-1,1,1-trifluo	4.30	83	465772	26.22	ug/L	98
4) 1,2-dichlorotrifluoroethan	4.20	67	402856	25.60	ug/L	99
5) Diethyl ether	4.11	59	171849	25.20	ug/L	99
6) isopropyl alcohol	4.69	45	181425	805.97	ug/L	91
7) Acrolein	4.30	56	132577	204.42	ug/L	97
8) acetone	4.49	43	369098	302.13	ug/L	100
9) tert-butyl alcohol (TBA)	5.25	59	301460	811.95	ug/L	100
10) acetonitrile	4.88	41	66218	138.28	ug/L	95
11) methyl acetate	4.92	43	847967	253.45	ug/L	95
12) allyl chloride	4.94	41	733469	26.89	ug/L	98
13) iodomethane	4.65	142	458765	30.61	ug/L	98
14) acrylonitrile	5.45	53	121499	81.44	ug/L	97
15) carbon disulfide	4.74	76	988929	29.38	ug/L	99
16) N-Hexane	5.93	57	289107	21.69	ug/L	99
17) diisopropyl ether	6.21	87	144741	16.71	ug/L	98
18) Vinyl acetate	6.16	43	2111680	154.39	ug/L	98
19) chloroprene	6.27	53	507333	29.79	ug/L	100
20) tert-butyl ethyl ether	6.68	59	525844	15.95	ug/L	98
21) 2-butanone (MEK)	6.88	43	310747	152.10	ug/L	99
22) propionitrile	6.95	54	214186	403.82	ug/L	97
23) Isobutyl alcohol	7.68	43	69548	416.59	ug/L	98
24) methacrylonitrile	7.12	67	257291	157.68	ug/L	96
25) Tert-amyl alcohol	7.78	59	752302	2723.25	ug/L	94
26) tetrahydrofuran	7.17	42	428677	311.87	ug/L	99
27) Cyclohexane	7.52	56	657366	24.88	ug/L	96
28) tert-amyl methyl ether (TA	7.90	73	337962	15.56	ug/L	100
30) methyl methacrylate	8.60	69	258606	81.84	ug/L	93
31) Methylcyclohexane	8.56	55	492199	24.53	ug/L	97
32) 1,4-dioxane	8.63	88	58129	2297.40	ug/L	96
33) Methyl isobutyl ketone(mib	9.19	43	684917	157.57	ug/L	97
34) ethyl methacrylate	9.51	69	540006	83.24	ug/L	97
35) 2-hexanone	9.76	43	895033	323.04	ug/L	94
37) 5-Methyl-3-heptanone	11.06	43	214283	51.90	ug/L	99
38) cyclohexanone	10.94	55	95038	413.49	ug/L	97
39) t-1,4-dichloro-2-butene	11.06	75	87960	75.07	ug/L	99
40) Ethyl amyl ketone	11.37	57	78846	24.49	ug/L	98
41) Pentachloroethane	11.44	167	33706	11.05	ug/L	98
42) benzyl chloride	11.72	91	178273	28.00	ug/L	99

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

Quantitation Report

Data File : D:\DATA\JUN2023C\JUN19\19JUN25.D Vial: 25
Acq On : 19 Jun 2023 9:02 pm Operator: MGC
Sample : 2309003-ICV2 Inst : MS-V5
Misc : 1 ;3F19034;25ML Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jun 22 5:01 2023 Quant Results File: 82605CX.RES

Method : C:\HPCHEM\1\METHODS\C\202306\19-1901\82605CX.M (RTE Integrator)
Title : EPA Method 8260C/DX
Last Update : Thu Jun 22 04:57:10 2023
Response via : Initial Calibration



Raw Data - ICB

Quantitation Report (QT Reviewed)

Data File : D:\DATA\JUN2023C\JUN21\21JUN14.D Vial: 14
Acq On : 21 Jun 2023 11:03 am Operator: MGC
Sample : 2309128-ICB1 Inst : MS-V5
Misc : 1 ;3D24053;25ML Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jun 22 11:24 2023 Quant Results File: 82605C.RES

Quant Method : C:\HPCHEM\1...\82605C.M (RTE Integrator)
Title : EPA Method 8260C/D
Last Update : Thu Jun 22 11:15:56 2023
Response via : Initial Calibration
DataAcq Meth : 82605

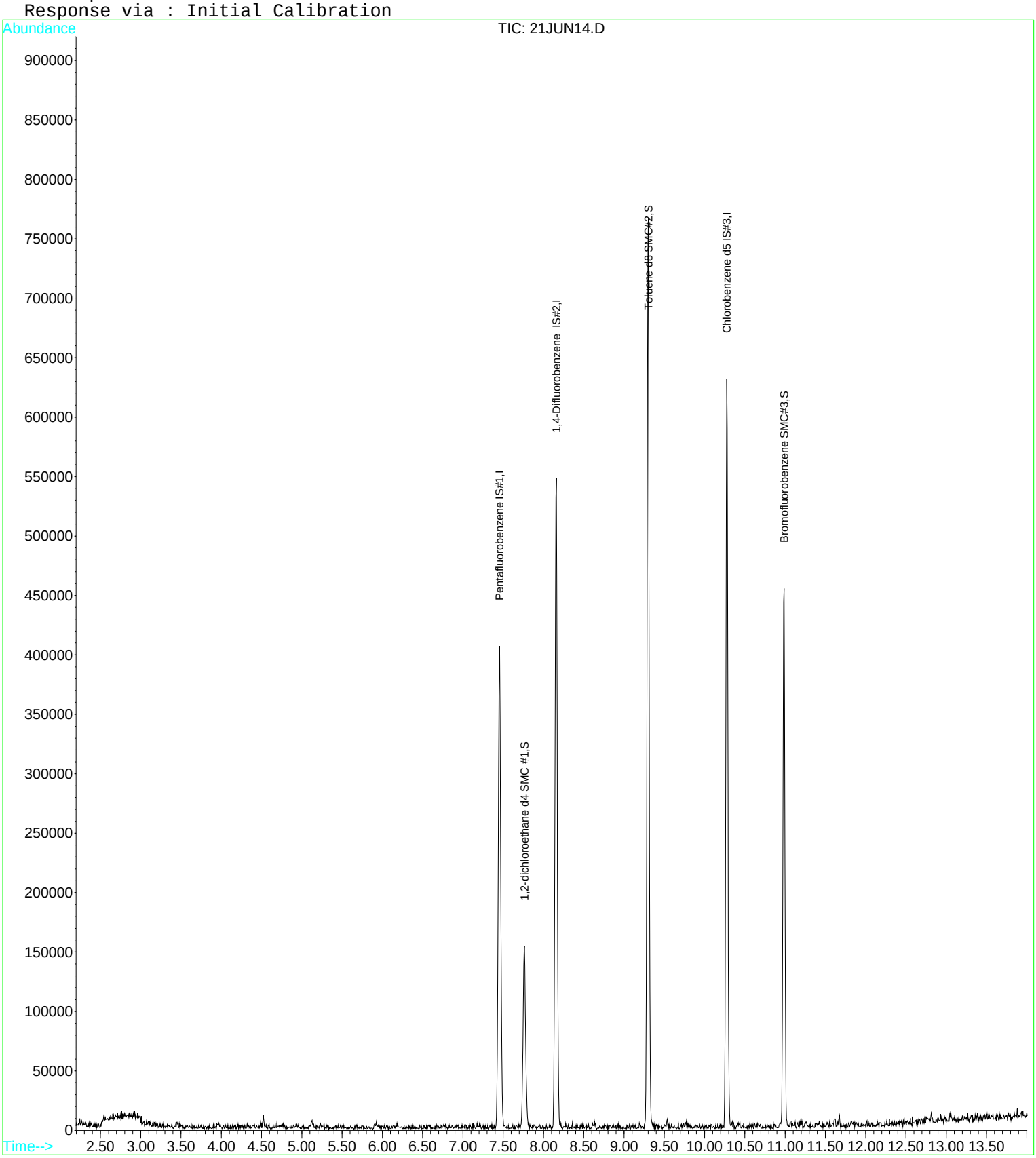
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene IS#1	7.45	137	51929	10.00	ug/L	0.00
26) 1,4-Difluorobenzene IS#2	8.16	63	109175	10.00	ug/L	0.00
41) Chlorobenzene d5 IS#3	10.28	119	102845	10.00	ug/L	0.00
System Monitoring Compounds						
23) 1,2-dichloroethane d4 SMC	7.76	65	128604	9.51	ug/L	0.00
Spiked Amount 10.000	Range 75 - 125		Recovery = 95.10%			
33) Toluene d8 SMC#2	9.30	98	471638	10.34	ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 103.40%			
51) Bromofluorobenzene SMC#3	10.99	95	145123	9.67	ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 96.70%			
Target Compounds						Qvalue

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

Quantitation Report

Data File : D:\DATA\JUN2023C\JUN21\21JUN14.D Vial: 14
Acq On : 21 Jun 2023 11:03 am Operator: MGC
Sample : 2309128-ICB1 Inst : MS-V5
Misc : 1 ;3D24053;25ML Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jun 22 11:24 2023 Quant Results File: 82605C.RES

Method : C:\HPCHEM\1\METHODS\C\202306\21-0902\82605C.M (RTE Integrator)
Title : EPA Method 8260C/D
Last Update : Thu Jun 22 11:15:56 2023
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : D:\DATA\JUN2023C\JUN19\19JUN27.D Vial: 27
Acq On : 19 Jun 2023 9:51 pm Operator: MGC
Sample : 2309003-ICB2 Inst : MS-V5
Misc : 1 ;3D24053;25ML Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jun 22 5:02 2023 Quant Results File: 82605CX.RES

Quant Method : C:\HPCHEM\1...\82605CX.M (RTE Integrator)
Title : EPA Method 8260C/DX
Last Update : Thu Jun 22 04:57:10 2023
Response via : Initial Calibration
DataAcq Meth : 82605

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene IS#1	7.46	137	42838	10.00	ug/L	0.00
29) 1,4-Difluorobenzene IS#2	8.16	63	88644	10.00	ug/L	0.00
36) Chlorobenzene d5 IS#3	10.28	119	87849	10.00	ug/L	0.00

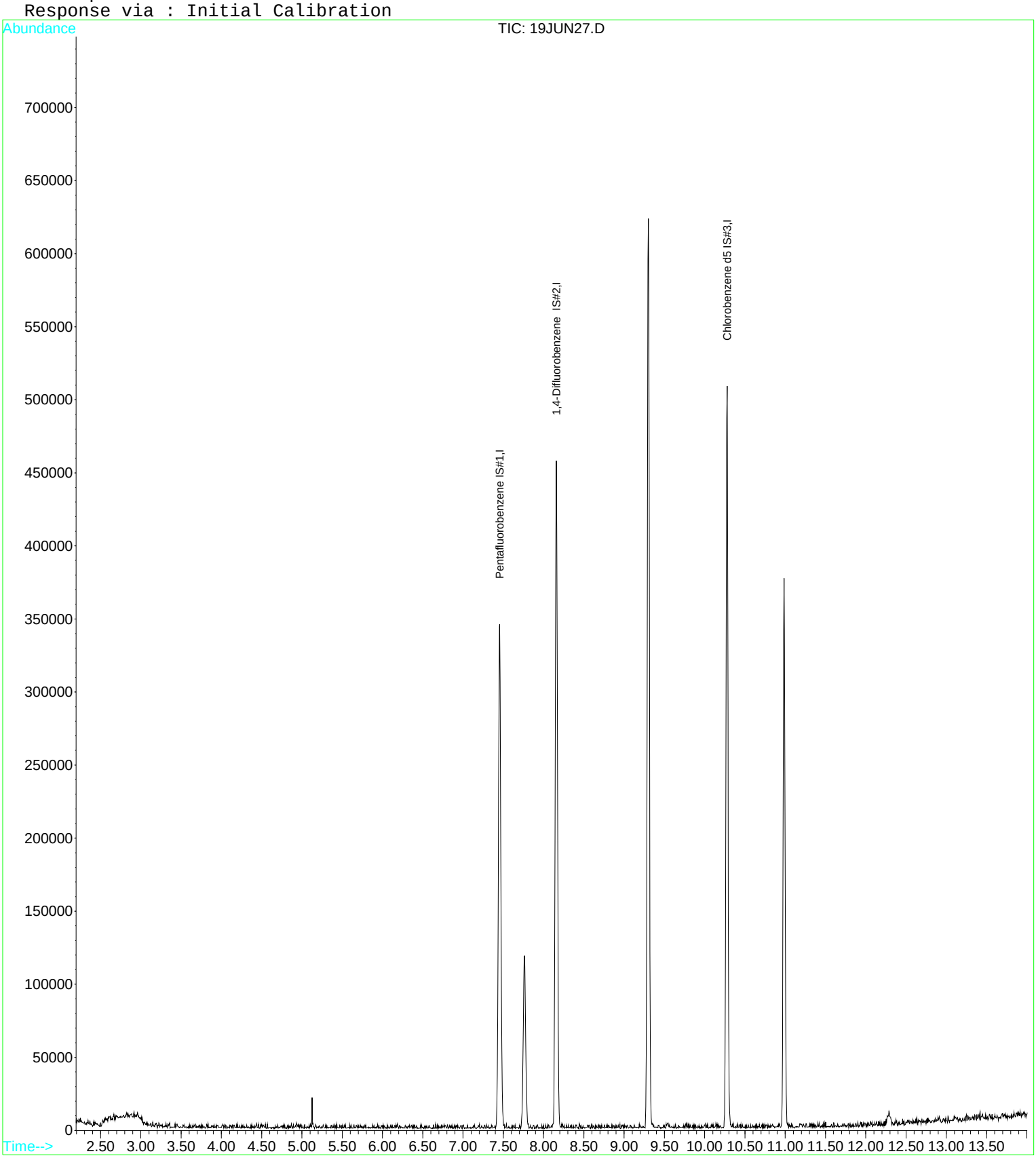
Target Compounds Qvalue

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

Quantitation Report

Data File : D:\DATA\JUN2023C\JUN19\19JUN27.D Vial: 27
Acq On : 19 Jun 2023 9:51 pm Operator: MGC
Sample : 2309003-ICB2 Inst : MS-V5
Misc : 1 ;3D24053;25ML Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jun 22 5:02 2023 Quant Results File: 82605CX.RES

Method : C:\HPCHEM\1\METHODS\C\202306\19-1901\82605CX.M (RTE Integrator)
Title : EPA Method 8260C/DX
Last Update : Thu Jun 22 04:57:10 2023
Response via : Initial Calibration



Raw Data - CCV

Quantitation Report (QT Reviewed)

Data File : D:\DATA\JUN2023C\JUN21\21JUN45.D Vial: 45
Acq On : 21 Jun 2023 11:30 pm Operator: MGC
Sample : 2309153-CCV3 Inst : MS-V5
Misc : 1 ;3F13043;25ML Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jun 22 11:26 2023 Quant Results File: 82605C.RES

Quant Method : C:\HPCHEM\1...\82605C.M (RTE Integrator)
Title : EPA Method 8260C/D
Last Update : Thu Jun 22 11:15:56 2023
Response via : Initial Calibration
DataAcq Meth : 82605

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene IS#1	7.45	137	47566	10.00	ug/L	0.00
26) 1,4-Difluorobenzene IS#2	8.16	63	106266	10.00	ug/L	0.00
41) Chlorobenzene d5 IS#3	10.28	119	99119	10.00	ug/L	0.00
System Monitoring Compounds						
23) 1,2-dichloroethane d4 SMC	7.76	65	128230	10.35	ug/L	0.00
Spiked Amount 10.000	Range 75 - 125		Recovery = 103.50%			
33) Toluene d8 SMC#2	9.30	98	442209	9.96	ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 99.60%			
51) Bromofluorobenzene SMC#3	10.98	95	150420	10.40	ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 104.00%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.28	85	597134	26.08	ug/L	99
3) Chlorodifluoromethane	2.31	51	255090	24.85	ug/L	95
4) Chloromethane	2.53	50	470090	23.98	ug/L	98
5) Vinyl chloride	2.69	62	338843	24.21	ug/L	98
6) Bromomethane	3.18	94	235567	26.34	ug/L	99
7) Chloroethane	3.34	64	309608	25.00	ug/L	98
8) Dichlorofluoromethane	3.66	67	645268	25.13	ug/L	99
9) Trichlorofluoromethane	3.71	101	755578	25.84	ug/L	98
10) 1,1,2-Trichloro-1,2,2-trif	4.46	101	352614	25.35	ug/L	99
11) 1,1-Dichloroethene	4.44	61	685844	25.20	ug/L	99
12) Methylene chloride	5.13	84	281663	25.33	ug/L	98
13) MTBE	5.49	73	552373	24.82	ug/L	98
14) T-1,2-dichloroethene	5.51	96	339328	24.39	ug/L	97
15) 1,1-Dichloroethane	6.16	63	774867	24.76	ug/L	98
16) 2,2-Dichloropropane	6.91	77	706394	25.46	ug/L	98
17) Cis-1,2-dichloroethene	6.90	96	350485	24.85	ug/L	96
18) Bromochloromethane	7.16	128	113344	25.74	ug/L	96
19) Chloroform	7.27	83	672767	25.46	ug/L	97
20) 1,1,1-Trichloroethane	7.44	97	726280	25.54	ug/L	93
21) 1,1-Dichloropropene	7.60	75	523993	24.86	ug/L	99
22) Carbon tetrachloride	7.60	119	575745	26.39	ug/L	99
24) 1,2-Dichloroethane	7.83	62	431322	25.46	ug/L	97
25) Benzene	7.79	78	1314572	24.40	ug/L	96
27) Trichloroethene	8.37	130	351372	23.51	ug/L	99
28) 1,2-Dichloropropane	8.58	63	357660	23.51	ug/L	98
29) Dibromomethane	8.65	93	122582	26.70	ug/L	97
30) Bromodichloromethane	8.78	83	426561	26.29	ug/L	97
31) 2-ceve	8.97	63	412306	103.52	ug/L	99
32) Cis-1,3-dichloropropene	9.10	75	455559	26.01	ug/L	99
34) Toluene	9.35	92	788339	24.34	ug/L	88
35) Trans-1,3-dichloropropene	9.50	75	346123	27.07	ug/L	98
36) 1,1,2-Trichloroethane	9.64	97	153555	24.89	ug/L	97
37) Tetrachloroethene (PCE)	9.71	166	352724	24.48	ug/L	98
38) 1,3-Dichloropropane	9.75	76	297603	24.90	ug/L	98
39) Dibromochloromethane	9.90	129	199817	26.88	ug/L	99
40) 1,2-Dibromoethane	9.99	107	139002	25.81	ug/L	97
42) Chlorobenzene	10.30	112	767511	24.19	ug/L	95
43) 1,1,1,2-Tetrachloroethane	10.34	131	296562	26.62	ug/L	96
44) Ethylbenzene	10.34	106	474563	24.28	ug/L	64
45) P+m-Xylene	10.42	106	1101065	48.84	ug/L	72
46) O-Xylene	10.66	106	537970	24.56	ug/L	87
47) Styrene	10.67	104	807249	25.67	ug/L	97
48) Bromoform	10.80	173	83661	25.11	ug/L	98
49) Isopropylbenzene	10.87	105	1484122	25.07	ug/L	87
50) 1,1,2,2-Tetrachloroethane	11.04	83	143953	25.98	ug/L	96

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

Quantitation Report (QT Reviewed)

Data File : D:\DATA\JUN2023C\JUN21\21JUN45.D Vial: 45
Acq On : 21 Jun 2023 11:30 pm Operator: MGC
Sample : 2309153-CCV3 Inst : MS-V5
Misc : 1 ;3F13043;25ML Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jun 22 11:26 2023 Quant Results File: 82605C.RES

Quant Method : C:\HPCHEM\1...\82605C.M (RTE Integrator)
Title : EPA Method 8260C/D
Last Update : Thu Jun 22 11:15:56 2023
Response via : Initial Calibration
DataAcq Meth : 82605

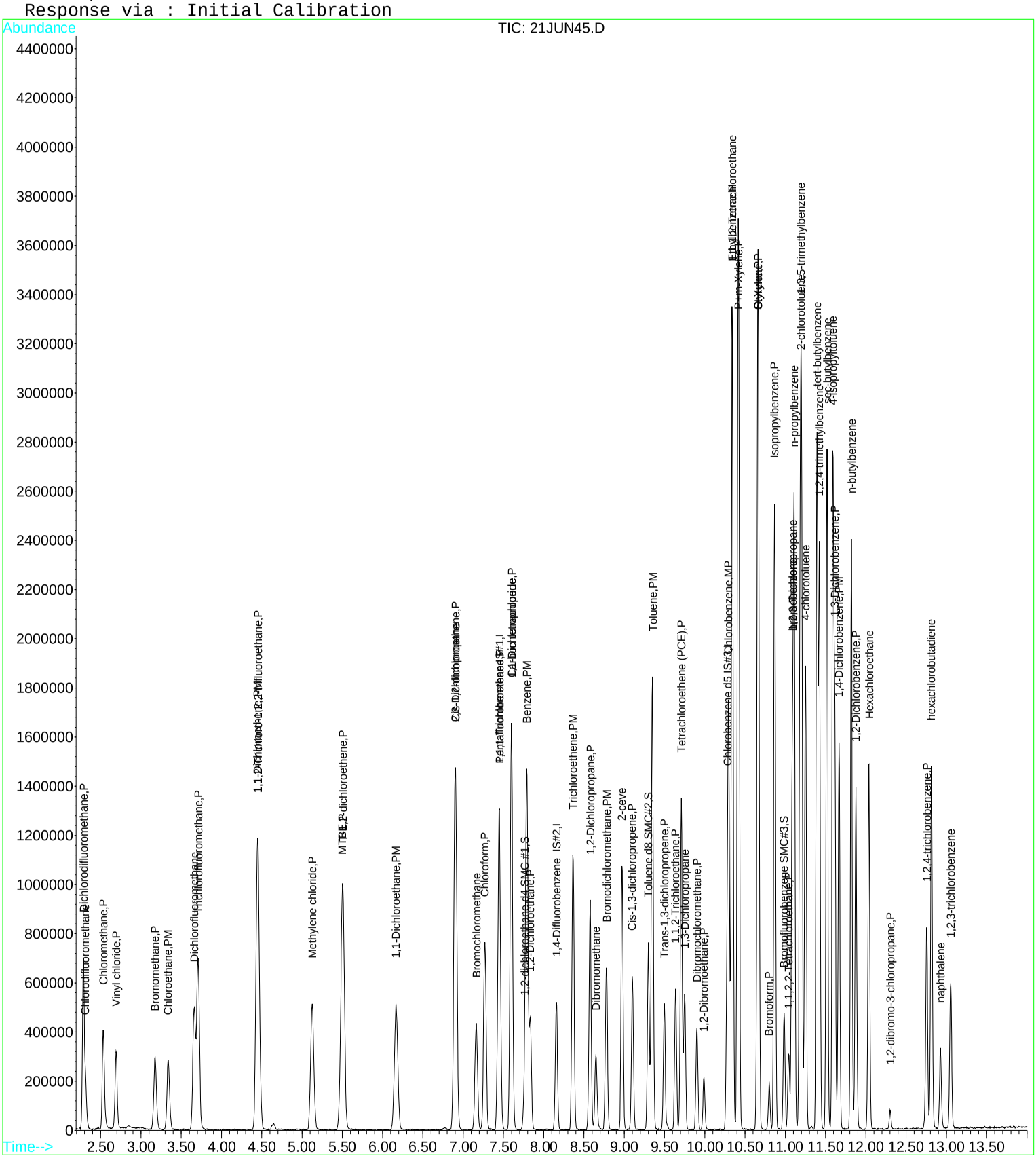
	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
52)	1,2,3-Trichloropropane	11.09	110	45026	26.71 ug/L	98
53)	n-propylbenzene	11.11	91	1714046	27.32 ug/L	85
54)	bromobenzene	11.09	156	291084	25.14 ug/L	94
55)	1,3,5-trimethylbenzene	11.20	105	1248213	25.69 ug/L	89
56)	2-chlorotoluene	11.18	91	1177669	24.53 ug/L	92
57)	4-chlorotoluene	11.25	91	1048971	25.76 ug/L	92
58)	tert-butylbenzene	11.39	119	1305368	25.80 ug/L	94
59)	1,2,4-trimethylbenzene	11.42	105	1227756	26.62 ug/L	87
60)	sec-butylbenzene	11.52	105	1619819	25.73 ug/L	86
61)	4-isopropyltoluene	11.59	119	1304328	26.58 ug/L	88
62)	1,3-Dichlorobenzene	11.61	146	607899	25.83 ug/L	99
63)	1,4-Dichlorobenzene	11.67	146	588244	26.17 ug/L	99
64)	n-butylbenzene	11.82	91	1187525	28.62 ug/L	89
65)	1,2-Dichlorobenzene	11.88	146	522726	26.73 ug/L	98
66)	Hexachloroethane	12.04	117	223931	25.75 ug/L	94
67)	1,2-dibromo-3-chloropropan	12.30	75	24632	30.37 ug/L	92
68)	1,2,4-trichlorobenzene	12.76	180	256087	25.32 ug/L	99
69)	hexachlorobutadiene	12.81	225	293319	27.76 ug/L	99
70)	naphthalene	12.93	128	256599	25.09 ug/L	100
71)	1,2,3-trichlorobenzene	13.05	180	196671	26.09 ug/L	97

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

Quantitation Report

Data File : D:\DATA\JUN2023C\JUN21\21JUN45.D Vial: 45
Acq On : 21 Jun 2023 11:30 pm Operator: MGC
Sample : 2309153-CCV3 Inst : MS-V5
Misc : 1 ;3F13043;25ML Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jun 22 11:26 2023 Quant Results File: 82605C.RES

Method : C:\HPCHEM\1\METHODS\C\202306\21-0902\82605C.M (RTE Integrator)
Title : EPA Method 8260C/D
Last Update : Thu Jun 22 11:15:56 2023
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : D:\DATA\JUN2023C\JUN21\21JUN46.D Vial: 46
Acq On : 21 Jun 2023 11:55 pm Operator: MGC
Sample : 2309153-CCV4 Inst : MS-V5
Misc : 1 ;3F13044;25ML Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jun 22 12:14 2023 Quant Results File: 82605CX.RES

Quant Method : C:\HPCHEM\1...\82605CX.M (RTE Integrator)
Title : EPA Method 8260C/DX
Last Update : Thu Jun 22 04:57:10 2023
Response via : Initial Calibration
DataAcq Meth : 82605

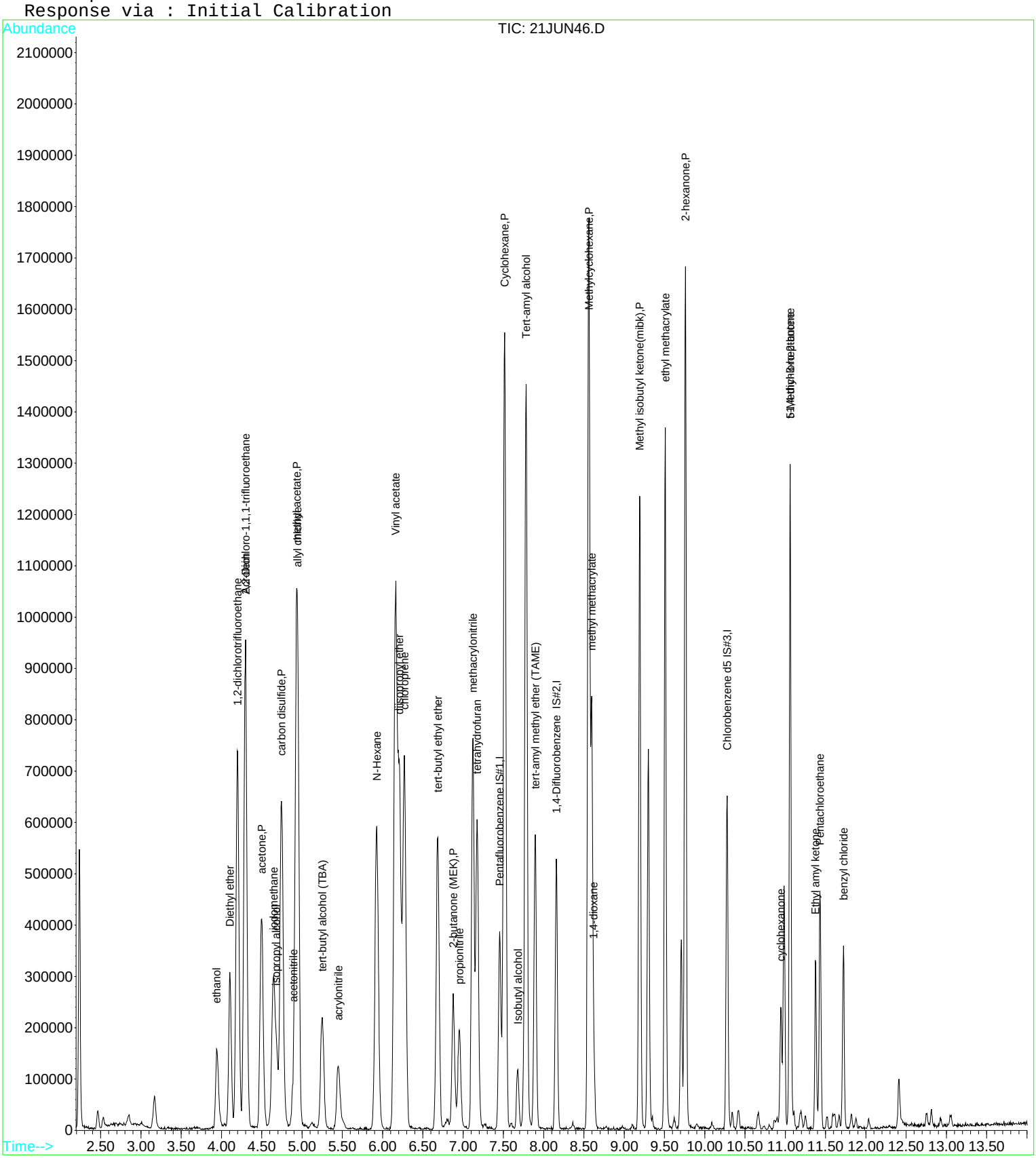
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene IS#1	7.45	137	50688	10.00	ug/L	0.00
29) 1,4-Difluorobenzene IS#2	8.16	63	108397	10.00	ug/L	0.00
36) Chlorobenzene d5 IS#3	10.27	119	101733	10.00	ug/L	0.00
Target Compounds						Qvalue
2) ethanol	3.94	45	231115	4700.48	ug/L	99
3) 2,2-Dichloro-1,1,1-trifluo	4.30	83	574823	27.24	ug/L	99
4) 1,2-dichlorotrifluoroethan	4.20	67	517543	27.68	ug/L	97
5) Diethyl ether	4.10	59	211986	26.16	ug/L	97
6) isopropyl alcohol	4.68	45	246179	920.47	ug/L	89
7) Acrolein	4.30	56	191152	248.07	ug/L	100
8) acetone	4.49	43	503665	347.00	ug/L	93
9) tert-butyl alcohol (TBA)	5.25	59	364793	826.96	ug/L	100
10) acetonitrile	4.89	41	94838	166.68	ug/L	100
11) methyl acetate	4.93	43	1120895	281.98	ug/L	91
12) allyl chloride	4.95	41	1123566	34.67	ug/L	95
13) iodomethane	4.64	142	445949	25.18	ug/L	91
14) acrylonitrile	5.45	53	160872	90.75	ug/L	98
15) carbon disulfide	4.74	76	1341728	33.55	ug/L	98
16) N-Hexane	5.93	57	439154	27.73	ug/L	94
17) diisopropyl ether	6.21	87	174084	16.91	ug/L	83
18) Vinyl acetate	6.16	43	2832259	174.28	ug/L	96
19) chloroprene	6.27	53	749658	37.05	ug/L	94
20) tert-butyl ethyl ether	6.69	59	656757	16.77	ug/L	98
21) 2-butanone (MEK)	6.88	43	423436	174.44	ug/L	96
22) propionitrile	6.95	54	275815	437.68	ug/L	98
23) Isobutyl alcohol	7.67	43	92525	466.47	ug/L	98
24) methacrylonitrile	7.12	67	324068	167.15	ug/L	90
25) Tert-amyl alcohol	7.78	59	872220	2657.40	ug/L	96
26) tetrahydrofuran	7.17	42	572814	350.74	ug/L	95
27) Cyclohexane	7.52	56	880685	28.05	ug/L	94
28) tert-amyl methyl ether (TA	7.89	73	417582	16.18	ug/L	98
30) methyl methacrylate	8.60	69	323507	83.40	ug/L	94
31) Methylcyclohexane	8.56	55	691959	28.10	ug/L	94
32) 1,4-dioxane	8.62	88	69864	2249.39	ug/L	93
33) Methyl isobutyl ketone(mib	9.19	43	945539	177.21	ug/L	90
34) ethyl methacrylate	9.51	69	650193	81.65	ug/L	98
35) 2-hexanone	9.76	43	1198762	352.47	ug/L	88
37) 5-Methyl-3-heptanone	11.06	43	279301	60.92	ug/L	91
38) cyclohexanone	10.94	55	109038	427.24	ug/L	92
39) t-1,4-dichloro-2-butene	11.06	75	118007	90.70	ug/L	91
40) Ethyl amyl ketone	11.37	57	95010	26.57	ug/L	96
41) Pentachloroethane	11.44	167	66122	19.51	ug/L	96
42) benzyl chloride	11.72	91	252001	35.65	ug/L	98

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

Quantitation Report

Data File : D:\DATA\JUN2023C\JUN21\21JUN46.D Vial: 46
Acq On : 21 Jun 2023 11:55 pm Operator: MGC
Sample : 2309153-CCV4 Inst : MS-V5
Misc : 1 ;3F13044;25ML Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jun 22 12:14 2023 Quant Results File: 82605CX.RES

Method : C:\HPCHEM\1\METHODS\C\202306\19-1901\82605CX.M (RTE Integrator)
Title : EPA Method 8260C/DX
Last Update : Thu Jun 22 04:57:10 2023
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : D:\DATA\JUN2023C\JUN22\22JUN02.D Vial: 2
Acq On : 22 Jun 2023 9:14 am Operator: MGC
Sample : 2309207-CCV1 Inst : MS-V5
Misc : 1 ;3F13043;25ML Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jun 22 12:06 2023 Quant Results File: 82605C.RES

Quant Method : C:\HPCHEM\1...\82605C.M (RTE Integrator)
Title : EPA Method 8260C/D
Last Update : Thu Jun 22 11:15:56 2023
Response via : Initial Calibration
DataAcq Meth : 82605

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene IS#1	7.46	137	53368	10.00	ug/L	0.00
26) 1,4-Difluorobenzene IS#2	8.16	63	118675	10.00	ug/L	0.00
41) Chlorobenzene d5 IS#3	10.28	119	110508	10.00	ug/L	0.00
System Monitoring Compounds						
23) 1,2-dichloroethane d4 SMC	7.76	65	134965	9.71	ug/L	0.00
Spiked Amount 10.000	Range 75 - 125		Recovery = 97.10%			
33) Toluene d8 SMC#2	9.30	98	506023	10.20	ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 102.00%			
51) Bromofluorobenzene SMC#3	10.99	95	169678	10.52	ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 105.20%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.29	85	661198	25.74	ug/L	97
3) Chlorodifluoromethane	2.31	51	278593	24.19	ug/L	93
4) Chloromethane	2.53	50	544458	24.76	ug/L	99
5) Vinyl chloride	2.69	62	420078	26.75	ug/L	98
6) Bromomethane	3.17	94	264343	26.35	ug/L	99
7) Chloroethane	3.34	64	350924	25.26	ug/L	99
8) Dichlorofluoromethane	3.66	67	717274	24.90	ug/L	99
9) Trichlorofluoromethane	3.71	101	837344	25.53	ug/L	98
10) 1,1,2-Trichloro-1,2,2-trif	4.46	101	402043	25.76	ug/L	99
11) 1,1-Dichloroethene	4.44	61	755040	24.73	ug/L	99
12) Methylene chloride	5.13	84	308908	24.75	ug/L	97
13) MTBE	5.49	73	579633	23.22	ug/L	99
14) T-1,2-dichloroethene	5.51	96	391072	25.05	ug/L	98
15) 1,1-Dichloroethane	6.17	63	854716	24.34	ug/L	98
16) 2,2-Dichloropropane	6.91	77	767859	24.67	ug/L	99
17) Cis-1,2-dichloroethene	6.90	96	397613	25.12	ug/L	99
18) Bromochloromethane	7.16	128	125466	25.40	ug/L	95
19) Chloroform	7.27	83	718578	24.24	ug/L	100
20) 1,1,1-Trichloroethane	7.45	97	791645	24.81	ug/L	92
21) 1,1-Dichloropropene	7.60	75	587267	24.83	ug/L	98
22) Carbon tetrachloride	7.60	119	643836	26.30	ug/L	98
24) 1,2-Dichloroethane	7.83	62	435469	22.91	ug/L	97
25) Benzene	7.79	78	1445238	23.91	ug/L	95
27) Trichloroethene	8.37	130	399071	23.91	ug/L	99
28) 1,2-Dichloropropane	8.58	63	397176	23.38	ug/L	97
29) Dibromomethane	8.65	93	130914	25.53	ug/L	99
30) Bromodichloromethane	8.78	83	460037	25.39	ug/L	97
31) 2-ceve	8.97	63	434193	97.62	ug/L	97
32) Cis-1,3-dichloropropene	9.11	75	482385	24.67	ug/L	99
34) Toluene	9.35	92	888891	24.58	ug/L	88
35) Trans-1,3-dichloropropene	9.50	75	358491	25.11	ug/L	100
36) 1,1,2-Trichloroethane	9.64	97	169823	24.65	ug/L	98
37) Tetrachloroethene (PCE)	9.71	166	403486	25.07	ug/L	99
38) 1,3-Dichloropropane	9.75	76	315238	23.62	ug/L	99
39) Dibromochloromethane	9.90	129	215474	25.96	ug/L	99
40) 1,2-Dibromoethane	9.99	107	152498	25.35	ug/L	98
42) Chlorobenzene	10.30	112	859987	24.32	ug/L	94
43) 1,1,1,2-Tetrachloroethane	10.35	131	326285	26.27	ug/L	99
44) Ethylbenzene	10.34	106	539907	24.77	ug/L	70
45) P+m-Xylene	10.42	106	1230053	48.93	ug/L	75
46) O-Xylene	10.66	106	599533	24.55	ug/L	88
47) Styrene	10.67	104	901577	25.72	ug/L	95
48) Bromoform	10.80	173	91488	24.69	ug/L	97
49) Isopropylbenzene	10.87	105	1628223	24.67	ug/L	88
50) 1,1,2,2-Tetrachloroethane	11.04	83	148324	24.01	ug/L	99

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

Quantitation Report (QT Reviewed)

Data File : D:\DATA\JUN2023C\JUN22\22JUN02.D Vial: 2
Acq On : 22 Jun 2023 9:14 am Operator: MGC
Sample : 2309207-CCV1 Inst : MS-V5
Misc : 1 ;3F13043;25ML Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jun 22 12:06 2023 Quant Results File: 82605C.RES

Quant Method : C:\HPCHEM\1...\82605C.M (RTE Integrator)
Title : EPA Method 8260C/D
Last Update : Thu Jun 22 11:15:56 2023
Response via : Initial Calibration
DataAcq Meth : 82605

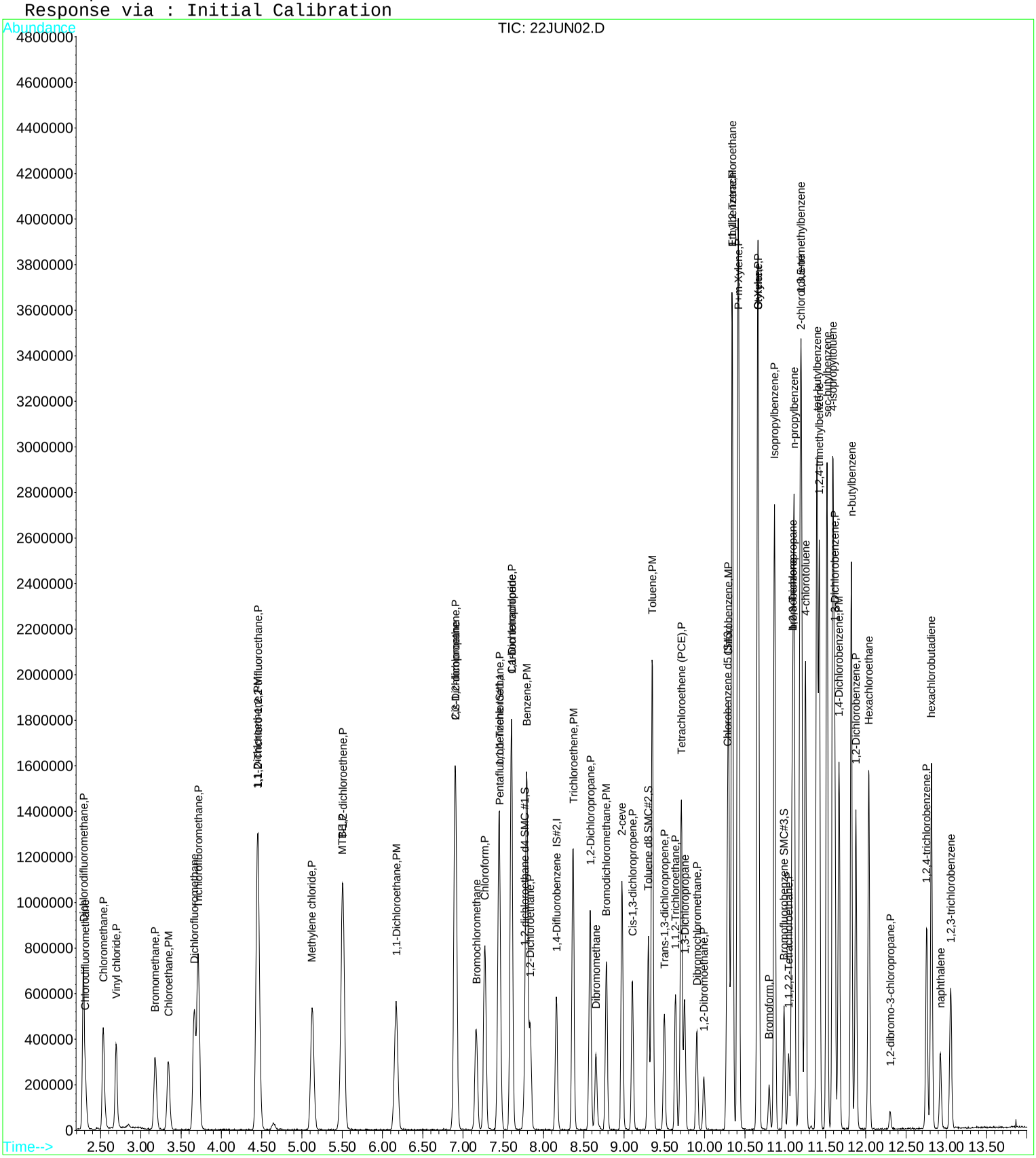
	Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
52)	1,2,3-Trichloropropane	11.09	110	47142	25.08	ug/L	100
53)	n-propylbenzene	11.11	91	1828669	25.80	ug/L	87
54)	bromobenzene	11.09	156	321984	24.94	ug/L	98
55)	1,3,5-trimethylbenzene	11.20	105	1359539	25.09	ug/L	90
56)	2-chlorotoluene	11.19	91	1282599	23.96	ug/L	94
57)	4-chlorotoluene	11.25	91	1125425	24.79	ug/L	94
58)	tert-butylbenzene	11.40	119	1424725	25.26	ug/L	93
59)	1,2,4-trimethylbenzene	11.43	105	1326058	25.79	ug/L	89
60)	sec-butylbenzene	11.52	105	1736540	24.74	ug/L	87
61)	4-isopropyltoluene	11.59	119	1412890	25.83	ug/L	89
62)	1,3-Dichlorobenzene	11.62	146	666547	25.41	ug/L	96
63)	1,4-Dichlorobenzene	11.67	146	635773	25.37	ug/L	96
64)	n-butylbenzene	11.82	91	1269801	27.45	ug/L	90
65)	1,2-Dichlorobenzene	11.88	146	557583	25.57	ug/L	97
66)	Hexachloroethane	12.04	117	238857	24.82	ug/L	93
67)	1,2-dibromo-3-chloropropan	12.31	75	24309	26.88	ug/L	98
68)	1,2,4-trichlorobenzene	12.76	180	284690	25.26	ug/L	98
69)	hexachlorobutadiene	12.81	225	331864	28.17	ug/L	98
70)	naphthalene	12.93	128	271693	24.09	ug/L	100
71)	1,2,3-trichlorobenzene	13.06	180	204880	24.78	ug/L	99

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

Quantitation Report

Data File : D:\DATA\JUN2023C\JUN22\22JUN02.D Vial: 2
Acq On : 22 Jun 2023 9:14 am Operator: MGC
Sample : 2309207-CCV1 Inst : MS-V5
Misc : 1 ;3F13043;25ML Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jun 22 12:06 2023 Quant Results File: 82605C.RES

Method : C:\HPCHEM\1\METHODS\C\202306\21-0902\82605C.M (RTE Integrator)
Title : EPA Method 8260C/D
Last Update : Thu Jun 22 11:15:56 2023
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : D:\DATA\JUN2023C\JUN22\22JUN03.D Vial: 3
Acq On : 22 Jun 2023 9:38 am Operator: MGC
Sample : 2309207-CCV2 Inst : MS-V5
Misc : 1 ;3F13044;25ML Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jun 22 12:07 2023 Quant Results File: 82605CX.RES

Quant Method : C:\HPCHEM\1...\82605CX.M (RTE Integrator)
Title : EPA Method 8260C/DX
Last Update : Thu Jun 22 04:57:10 2023
Response via : Initial Calibration
DataAcq Meth : 82605

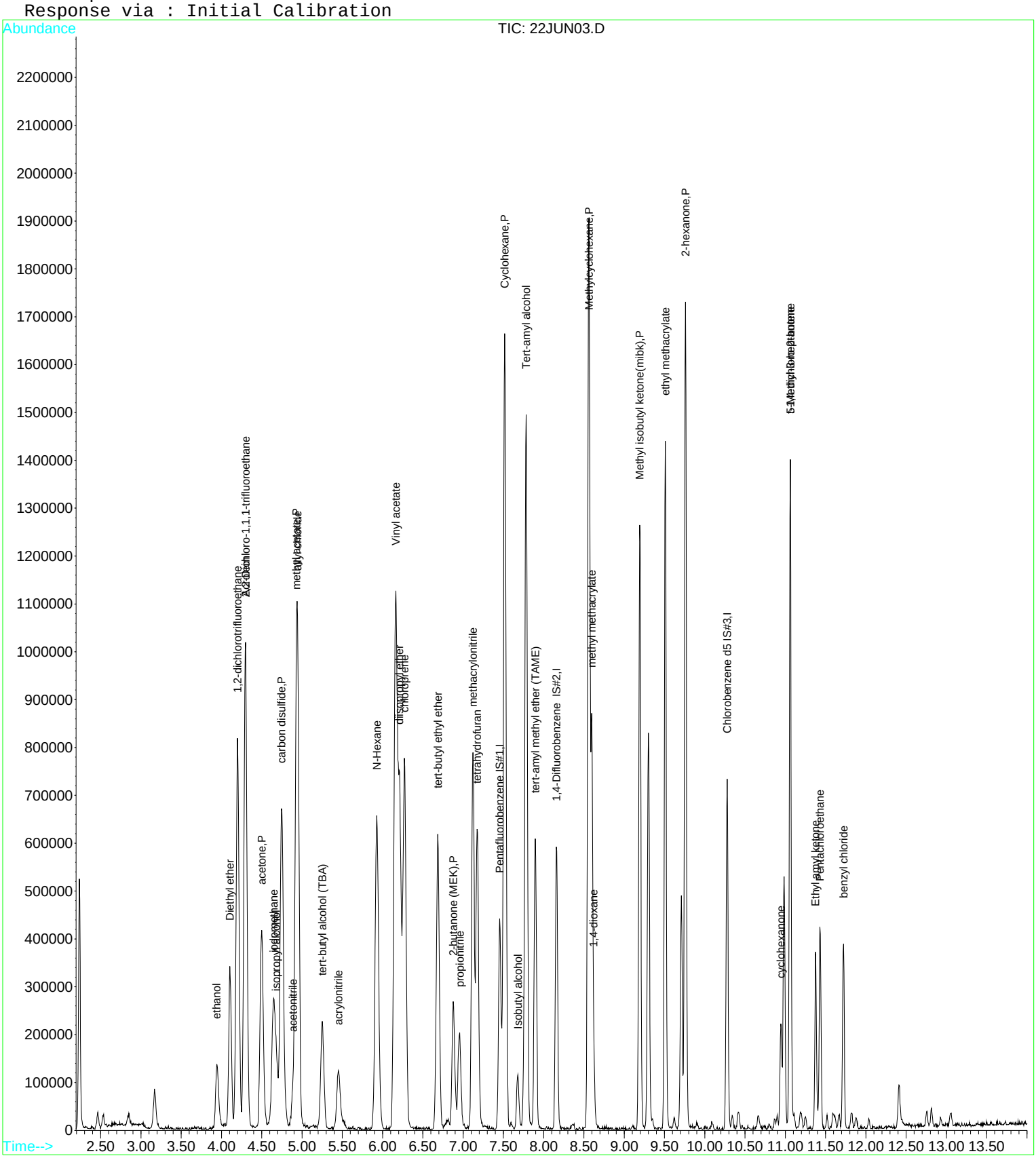
Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Pentafluorobenzene IS#1	7.45	137	58074	10.00	ug/L		0.00
29) 1,4-Difluorobenzene IS#2	8.16	63	121030	10.00	ug/L		0.00
36) Chlorobenzene d5 IS#3	10.28	119	119902	10.00	ug/L		0.00
Target Compounds							Qvalue
2) ethanol	3.94	45	205321	3644.78	ug/L		99
3) 2,2-Dichloro-1,1,1-trifluo	4.30	83	641512	26.53	ug/L		99
4) 1,2-dichlorotrifluoroethan	4.20	67	571433	26.67	ug/L		96
5) Diethyl ether	4.10	59	234977	25.31	ug/L		98
6) isopropyl alcohol	4.68	45	221000	721.23	ug/L		81
7) Acrolein	4.30	56	205792	233.10	ug/L		97
8) acetone	4.49	43	504821	303.56	ug/L		96
9) tert-butyl alcohol (TBA)	5.25	59	364552	721.31	ug/L		100
10) acetonitrile	4.88	41	93599	143.58	ug/L	#	63
11) methyl acetate	4.92	43	1163455	255.46	ug/L		93
12) allyl chloride	4.95	41	1176343	31.68	ug/L		95
13) iodomethane	4.65	142	416670	20.67	ug/L		95
14) acrylonitrile	5.45	53	163640	80.57	ug/L		99
15) carbon disulfide	4.74	76	1446245	31.56	ug/L		99
16) N-Hexane	5.93	57	498370	27.47	ug/L		96
17) diisopropyl ether	6.21	87	188829	16.01	ug/L		89
18) Vinyl acetate	6.16	43	2999814	161.12	ug/L		97
19) chloroprene	6.27	53	785429	33.88	ug/L		96
20) tert-butyl ethyl ether	6.69	59	704593	15.70	ug/L		98
21) 2-butanone (MEK)	6.88	43	438360	157.62	ug/L		96
22) propionitrile	6.95	54	285610	395.58	ug/L		98
23) Isobutyl alcohol	7.67	43	90495	398.21	ug/L		98
24) methacrylonitrile	7.12	67	343828	154.79	ug/L		95
25) Tert-amyl alcohol	7.78	59	910329	2420.77	ug/L		97
26) tetrahydrofuran	7.17	42	602442	321.97	ug/L		95
27) Cyclohexane	7.52	56	970856	26.99	ug/L		97
28) tert-amyl methyl ether (TA	7.90	73	439341	14.86	ug/L		99
30) methyl methacrylate	8.60	69	342161	79.00	ug/L		98
31) Methylcyclohexane	8.56	55	747473	27.18	ug/L		97
32) 1,4-dioxane	8.62	88	61095	1761.74	ug/L		92
33) Methyl isobutyl ketone(mib	9.19	43	955890	160.45	ug/L		93
34) ethyl methacrylate	9.51	69	715910	80.52	ug/L		97
35) 2-hexanone	9.76	43	1218071	320.76	ug/L		91
37) 5-Methyl-3-heptanone	11.06	43	294529	54.51	ug/L		93
38) cyclohexanone	10.94	55	103947	345.58	ug/L		97
39) t-1,4-dichloro-2-butene	11.06	75	130967	85.41	ug/L		96
40) Ethyl amyl ketone	11.37	57	104755	24.86	ug/L		97
41) Pentachloroethane	11.44	167	60804	15.23	ug/L		94
42) benzyl chloride	11.72	91	284511	34.15	ug/L		99

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

Quantitation Report

Data File : D:\DATA\JUN2023C\JUN22\22JUN03.D Vial: 3
Acq On : 22 Jun 2023 9:38 am Operator: MGC
Sample : 2309207-CCV2 Inst : MS-V5
Misc : 1 ;3F13044;25ML Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jun 22 12:07 2023 Quant Results File: 82605CX.RES

Method : C:\HPCHEM\1\METHODS\C\202306\19-1901\82605CX.M (RTE Integrator)
Title : EPA Method 8260C/DX
Last Update : Thu Jun 22 04:57:10 2023
Response via : Initial Calibration



Raw Data - CCB

Quantitation Report (QT Reviewed)

Data File : D:\DATA\JUN2023C\JUN21\21JUN47.D Vial: 47
Acq On : 22 Jun 2023 12:19 am Operator: MGC
Sample : 2309153-CCB2 Inst : MS-V5
Misc : 1 ;3D24053;25ML Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jun 22 11:28 2023 Quant Results File: 82605C.RES

Quant Method : C:\HPCHEM\1...\82605C.M (RTE Integrator)
Title : EPA Method 8260C/D
Last Update : Thu Jun 22 11:15:56 2023
Response via : Initial Calibration
DataAcq Meth : 82605

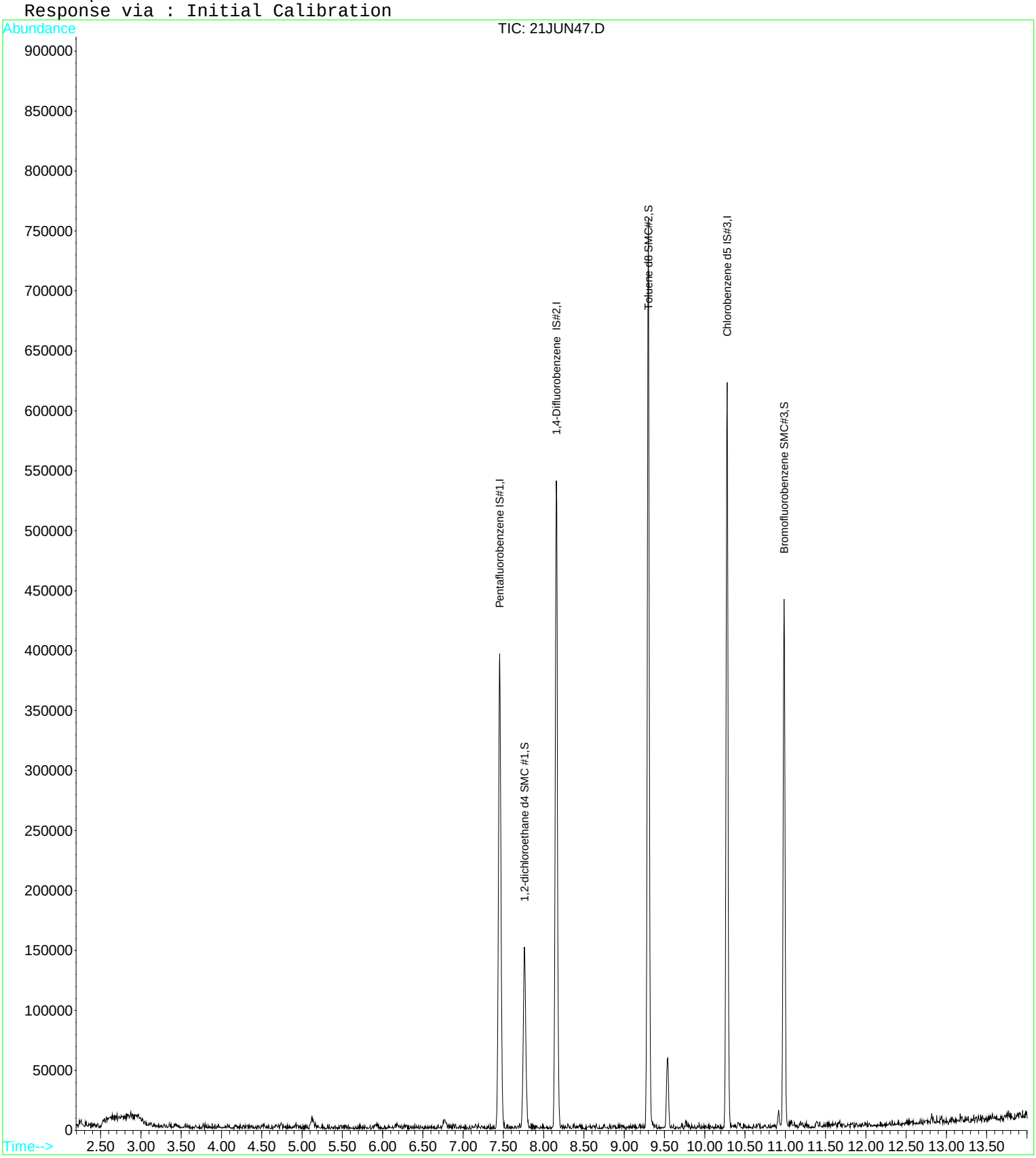
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene IS#1	7.45	137	50066	10.00	ug/L	0.00
26) 1,4-Difluorobenzene IS#2	8.16	63	107558	10.00	ug/L	0.00
41) Chlorobenzene d5 IS#3	10.28	119	100947	10.00	ug/L	0.00
System Monitoring Compounds						
23) 1,2-dichloroethane d4 SMC	7.76	65	129900	9.96	ug/L	0.00
Spiked Amount 10.000	Range 75 - 125		Recovery = 99.60%			
33) Toluene d8 SMC#2	9.30	98	449334	10.00	ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 100.00%			
51) Bromofluorobenzene SMC#3	10.98	95	139506	9.47	ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 94.70%			
Target Compounds						Qvalue

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

Quantitation Report

Data File : D:\DATA\JUN2023C\JUN21\21JUN47.D Vial: 47
Acq On : 22 Jun 2023 12:19 am Operator: MGC
Sample : 2309153-CCB2 Inst : MS-V5
Misc : 1 ;3D24053;25ML Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jun 22 11:28 2023 Quant Results File: 82605C.RES

Method : C:\HPCHEM\1\METHODS\C\202306\21-0902\82605C.M (RTE Integrator)
Title : EPA Method 8260C/D
Last Update : Thu Jun 22 11:15:56 2023
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : D:\DATA\JUN2023C\JUN21\21JUN47.D Vial: 47
Acq On : 22 Jun 2023 12:19 am Operator: MGC
Sample : 2309153-CCB2 Inst : MS-V5
Misc : 1 ;3D24053;25ML Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jun 22 11:28 2023 Quant Results File: 82605CX.RES

Quant Method : C:\HPCHEM\1...\82605CX.M (RTE Integrator)
Title : EPA Method 8260C/DX
Last Update : Thu Jun 22 04:57:10 2023
Response via : Initial Calibration
DataAcq Meth : 82605

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene IS#1	7.45	137	50066	10.00	ug/L	0.00
29) 1,4-Difluorobenzene IS#2	8.16	63	107558	10.00	ug/L	0.00
36) Chlorobenzene d5 IS#3	10.28	119	100947	10.00	ug/L	0.00

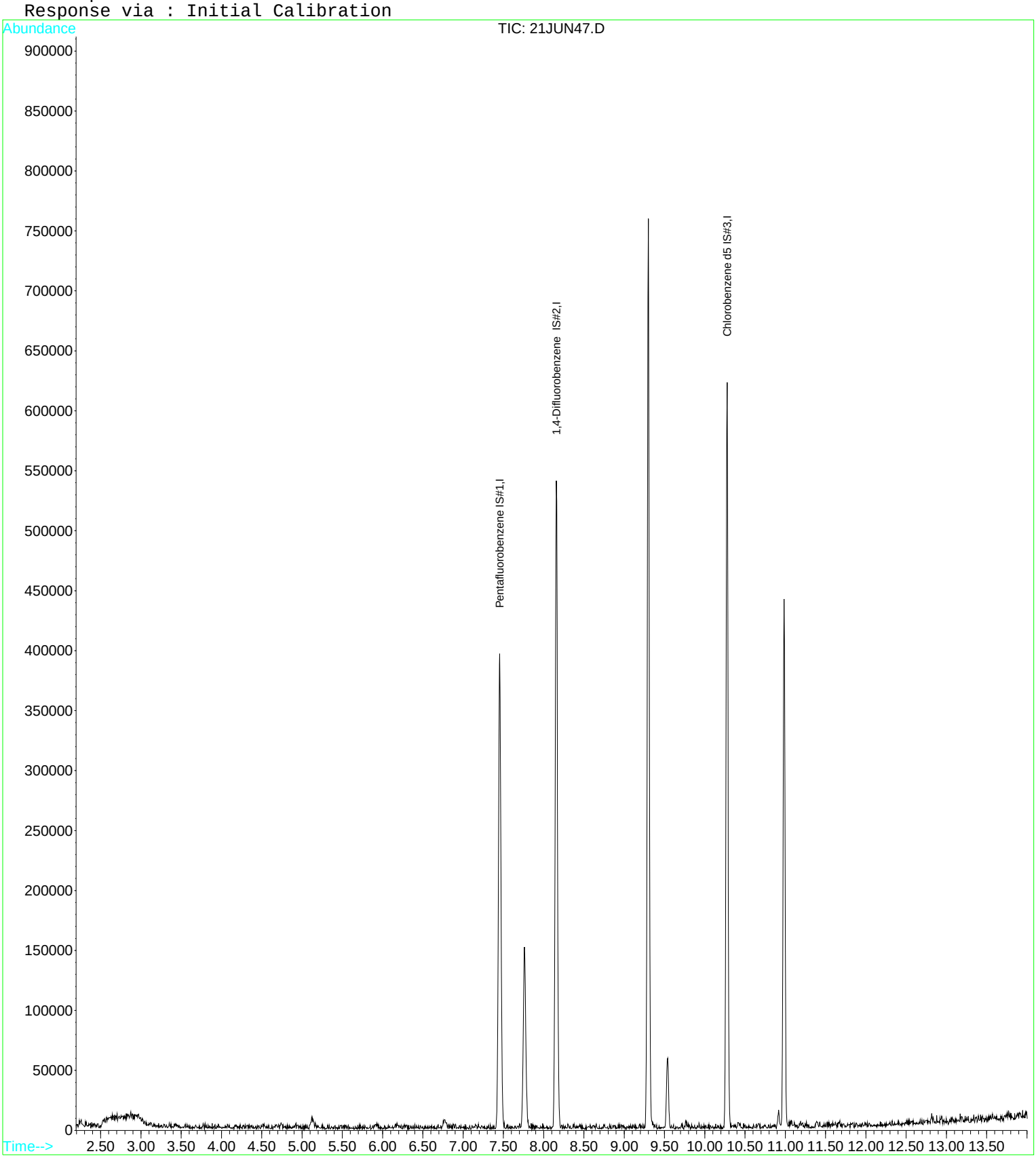
Target Compounds Qvalue

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

Quantitation Report

Data File : D:\DATA\JUN2023C\JUN21\21JUN47.D Vial: 47
Acq On : 22 Jun 2023 12:19 am Operator: MGC
Sample : 2309153-CCB2 Inst : MS-V5
Misc : 1 ;3D24053;25ML Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jun 22 11:28 2023 Quant Results File: 82605CX.RES

Method : C:\HPCHEM\1\METHODS\C\202306\19-1901\82605CX.M (RTE Integrator)
Title : EPA Method 8260C/DX
Last Update : Thu Jun 22 04:57:10 2023
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : D:\DATA\JUN2023C\JUN22\22JUN05.D Vial: 5
Acq On : 22 Jun 2023 10:26 am Operator: MGC
Sample : 2309207-CCB1 Inst : MS-V5
Misc : 1 ;3D24053;25ML Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jun 22 12:07 2023 Quant Results File: 82605C.RES

Quant Method : C:\HPCHEM\1...\82605C.M (RTE Integrator)
Title : EPA Method 8260C/D
Last Update : Thu Jun 22 11:15:56 2023
Response via : Initial Calibration
DataAcq Meth : 82605

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene IS#1	7.45	137	56436	10.00	ug/L	0.00
26) 1,4-Difluorobenzene IS#2	8.15	63	123093	10.00	ug/L	0.00
41) Chlorobenzene d5 IS#3	10.27	119	115102	10.00	ug/L	0.00
System Monitoring Compounds						
23) 1,2-dichloroethane d4 SMC	7.76	65	139847	9.52	ug/L	0.00
Spiked Amount 10.000	Range 75 - 125		Recovery = 95.20%			
33) Toluene d8 SMC#2	9.30	98	521058	10.13	ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 101.30%			
51) Bromofluorobenzene SMC#3	10.99	95	155111	9.23	ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 92.30%			

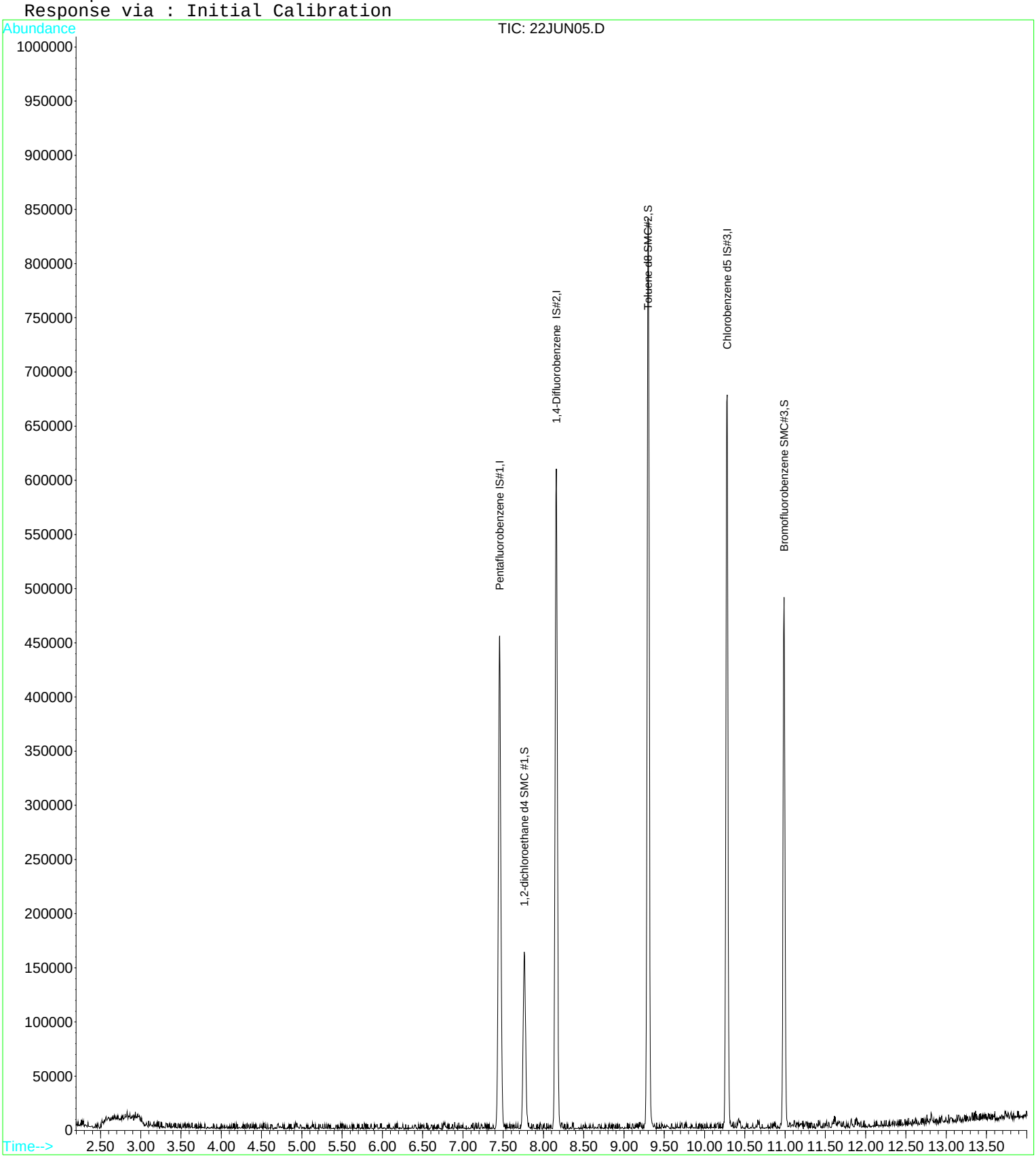
Target Compounds Qvalue

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

Quantitation Report

Data File : D:\DATA\JUN2023C\JUN22\22JUN05.D Vial: 5
Acq On : 22 Jun 2023 10:26 am Operator: MGC
Sample : 2309207-CCB1 Inst : MS-V5
Misc : 1 ;3D24053;25ML Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jun 22 12:07 2023 Quant Results File: 82605C.RES

Method : C:\HPCHEM\1\METHODS\C\202306\21-0902\82605C.M (RTE Integrator)
Title : EPA Method 8260C/D
Last Update : Thu Jun 22 11:15:56 2023
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : D:\DATA\JUN2023C\JUN22\22JUN05.D Vial: 5
Acq On : 22 Jun 2023 10:26 am Operator: MGC
Sample : 2309207-CCB1 Inst : MS-V5
Misc : 1 ;3D24053;25ML Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jun 22 12:08 2023 Quant Results File: 82605CX.RES

Quant Method : C:\HPCHEM\1...\82605CX.M (RTE Integrator)
Title : EPA Method 8260C/DX
Last Update : Thu Jun 22 04:57:10 2023
Response via : Initial Calibration
DataAcq Meth : 82605

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene IS#1	7.45	137	56436	10.00	ug/L	0.00
29) 1,4-Difluorobenzene IS#2	8.15	63	123093	10.00	ug/L	0.00
36) Chlorobenzene d5 IS#3	10.27	119	115102	10.00	ug/L	0.00

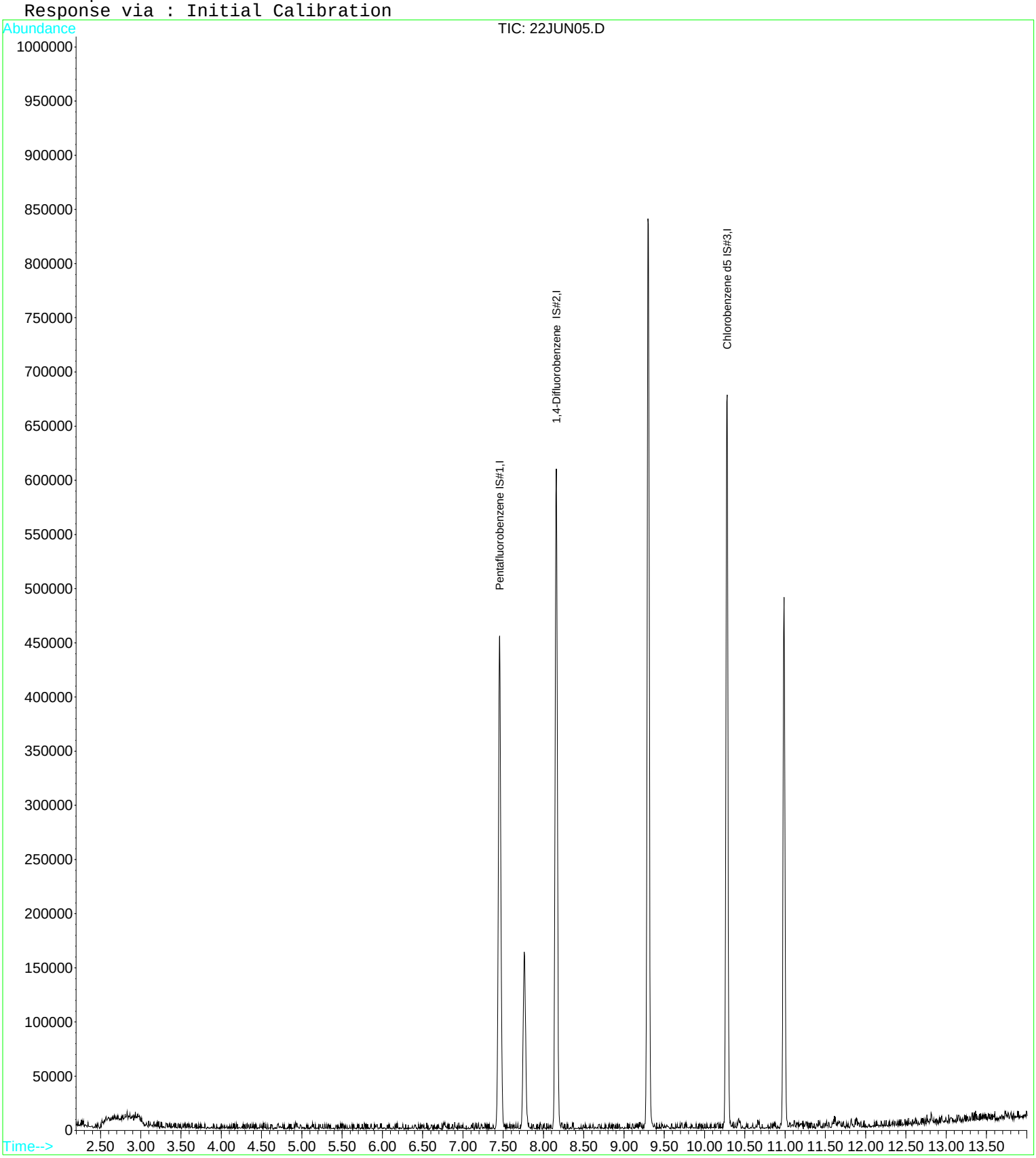
Target Compounds Qvalue

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

Quantitation Report

Data File : D:\DATA\JUN2023C\JUN22\22JUN05.D Vial: 5
Acq On : 22 Jun 2023 10:26 am Operator: MGC
Sample : 2309207-CCB1 Inst : MS-V5
Misc : 1 ;3D24053;25ML Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jun 22 12:08 2023 Quant Results File: 82605CX.RES

Method : C:\HPCHEM\1\METHODS\C\202306\19-1901\82605CX.M (RTE Integrator)
Title : EPA Method 8260C/DX
Last Update : Thu Jun 22 04:57:10 2023
Response via : Initial Calibration



Raw Data - Tune

Quantitation Report (QT Reviewed)

Data File : D:\DATA\JUN2023C\JUN21\21JUN02.D Vial: 2
Acq On : 21 Jun 2023 6:12 am Operator: MGC
Sample : 2309128-TUN1 Inst : MS-V5
Misc : 1 ;3D05001;25NG Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jun 22 11:02 2023 Quant Results File: 82605C.RES

Quant Method : C:\HPCHEM\1...\82605C.M (RTE Integrator)
Title : EPA Method 8260C/D
Last Update : Sun Jun 04 08:09:53 2023
Response via : Initial Calibration
DataAcq Meth : 82605

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene IS#1	7.46	137	9850	10.00	ug/L	-0.04
26) 1,4-Difluorobenzene IS#2	8.16	63	21937	10.00	ug/L	-0.03
41) Chlorobenzene d5 IS#3	10.27	119	21817	10.00	ug/L	-0.04
System Monitoring Compounds						
23) 1,2-dichloroethane d4 SMC	7.76	65	27711	15.14	ug/L	-0.04
Spiked Amount 10.000	Range 75 - 125		Recovery = 151.40%#			
33) Toluene d8 SMC#2	9.30	98	99785	7.98	ug/L	-0.04
Spiked Amount 10.000	Range 80 - 120		Recovery = 79.80%#			
51) Bromofluorobenzene SMC#3	10.99	95	28727	9.66	ug/L	-0.03
Spiked Amount 10.000	Range 80 - 120		Recovery = 96.60%			

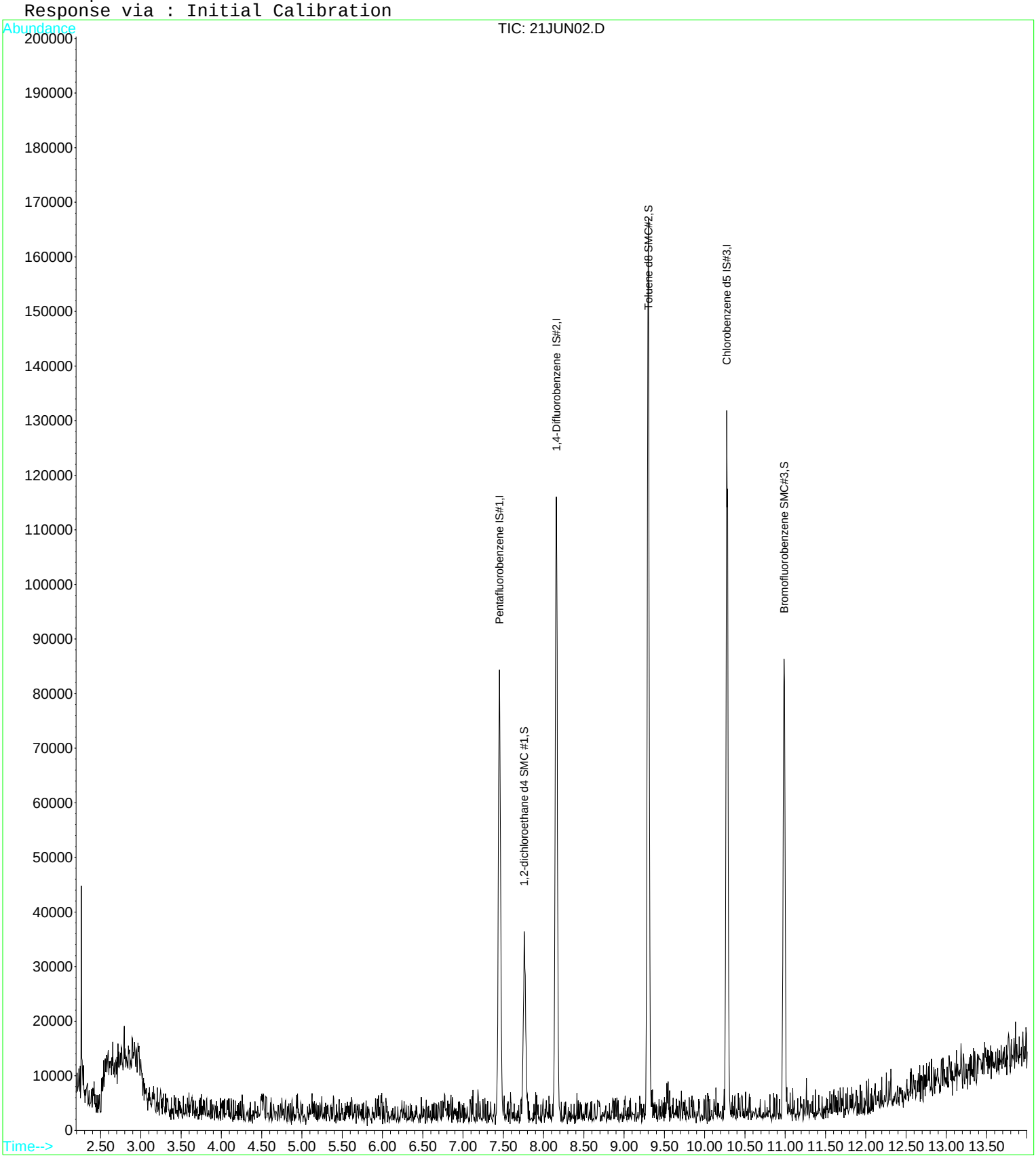
Target Compounds Qvalue

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

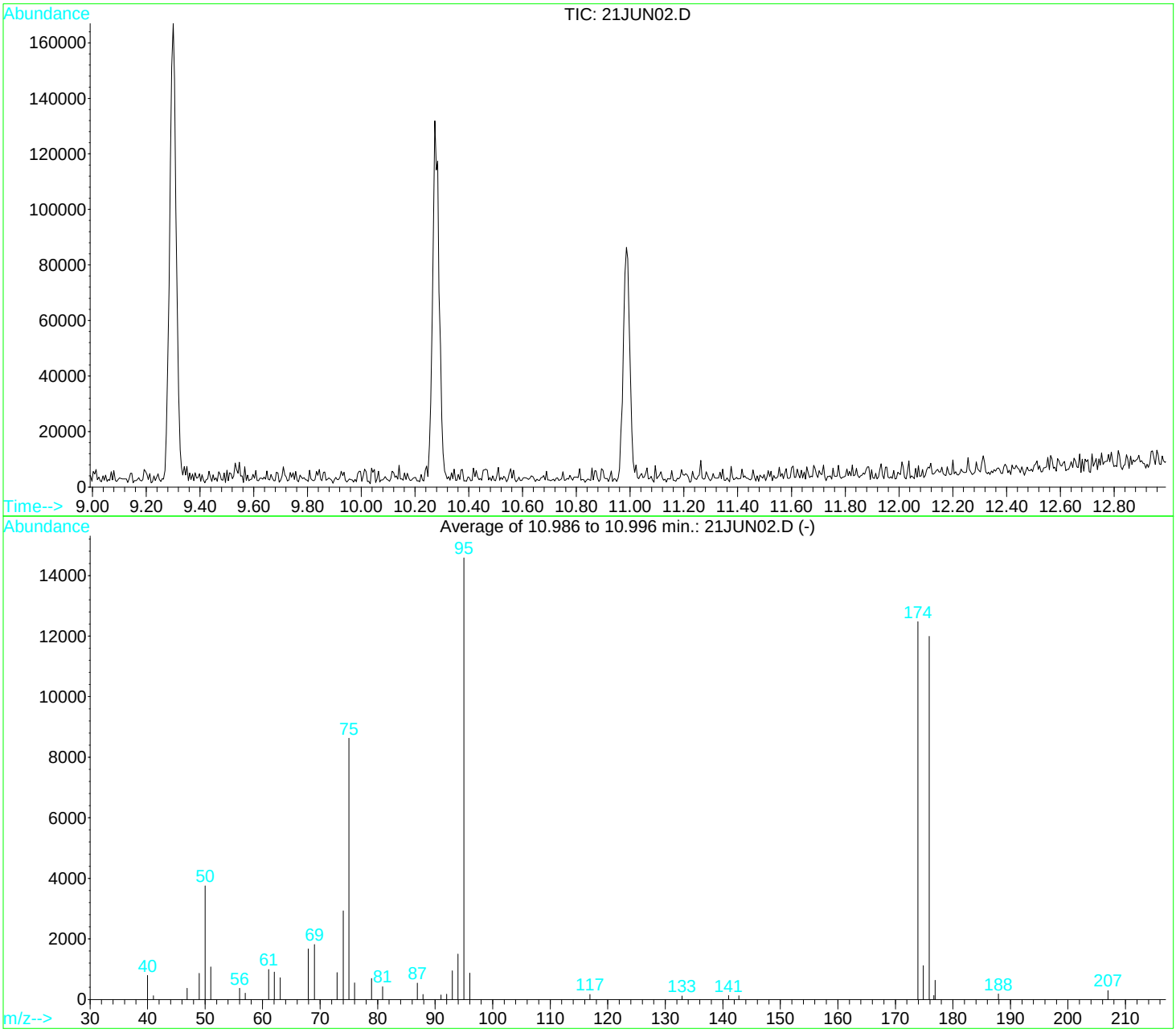
Quantitation Report

Data File : D:\DATA\JUN2023C\JUN21\21JUN02.D Vial: 2
Acq On : 21 Jun 2023 6:12 am Operator: MGC
Sample : 2309128-TUN1 Inst : MS-V5
Misc : 1 ;3D05001;25NG Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jun 22 11:02 2023 Quant Results File: 82605C.RES

Method : C:\HPCHEM\1\METHODS\C\202306\21-0902\82605C.M (RTE Integrator)
Title : EPA Method 8260C/D
Last Update : Sun Jun 04 08:09:53 2023
Response via : Initial Calibration



Data File : D:\DATA\JUN2023C\JUN21\21JUN02.D Vial: 2
Acq On : 21 Jun 2023 6:12 am Operator: MGC
Sample : 2309128-TUN1 Inst : MS-V5
Misc : 1 ;3D05001;25NG Multiplr: 1.00
MS Integration Params: rteint.p
Method : C:\HPCHEM\1\METHODS\C\202306\21-0902\82605C.M (RTE Integrator)
Title : EPA Method 8260C/D



Spectrum Information: Average of 10.986 to 10.996 min.

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	25.7	3753	PASS
75	95	30	60	59.2	8625	PASS
95	95	100	100	100.0	14580	PASS
96	95	5	9	6.0	872	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	100	85.5	12473	PASS
175	174	5	9	8.9	1114	PASS
176	174	95	101	96.1	11988	PASS
177	176	5	9	5.3	633	PASS

Quantitation Report (QT Reviewed)

Data File : D:\DATA\JUN2023C\JUN19\19JUN03.D Vial: 3
Acq On : 19 Jun 2023 12:08 pm Operator: MGC
Sample : 2309003-TUN1 Inst : MS-V5
Misc : 1 ;3D05001;25NG Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jun 22 4:42 2023 Quant Results File: 82605C.RES

Quant Method : C:\HPCHEM\1...\82605C.M (RTE Integrator)
Title : EPA Method 8260C/D
Last Update : Sun Jun 04 08:09:53 2023
Response via : Initial Calibration
DataAcq Meth : 82605

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene IS#1	7.46	137	8886	10.00	ug/L	-0.04
26) 1,4-Difluorobenzene IS#2	8.15	63	20448	10.00	ug/L	-0.04
41) Chlorobenzene d5 IS#3	10.28	119	19965	10.00	ug/L	-0.04
System Monitoring Compounds						
23) 1,2-dichloroethane d4 SMC	7.77	65	21745	13.17	ug/L	-0.04
Spiked Amount 10.000	Range 75 - 125		Recovery = 131.70%#			
33) Toluene d8 SMC#2	9.30	98	93900	8.05	ug/L	-0.04
Spiked Amount 10.000	Range 80 - 120		Recovery = 80.50%			
51) Bromofluorobenzene SMC#3	10.98	95	28310	10.41	ug/L	-0.04
Spiked Amount 10.000	Range 80 - 120		Recovery = 104.10%			

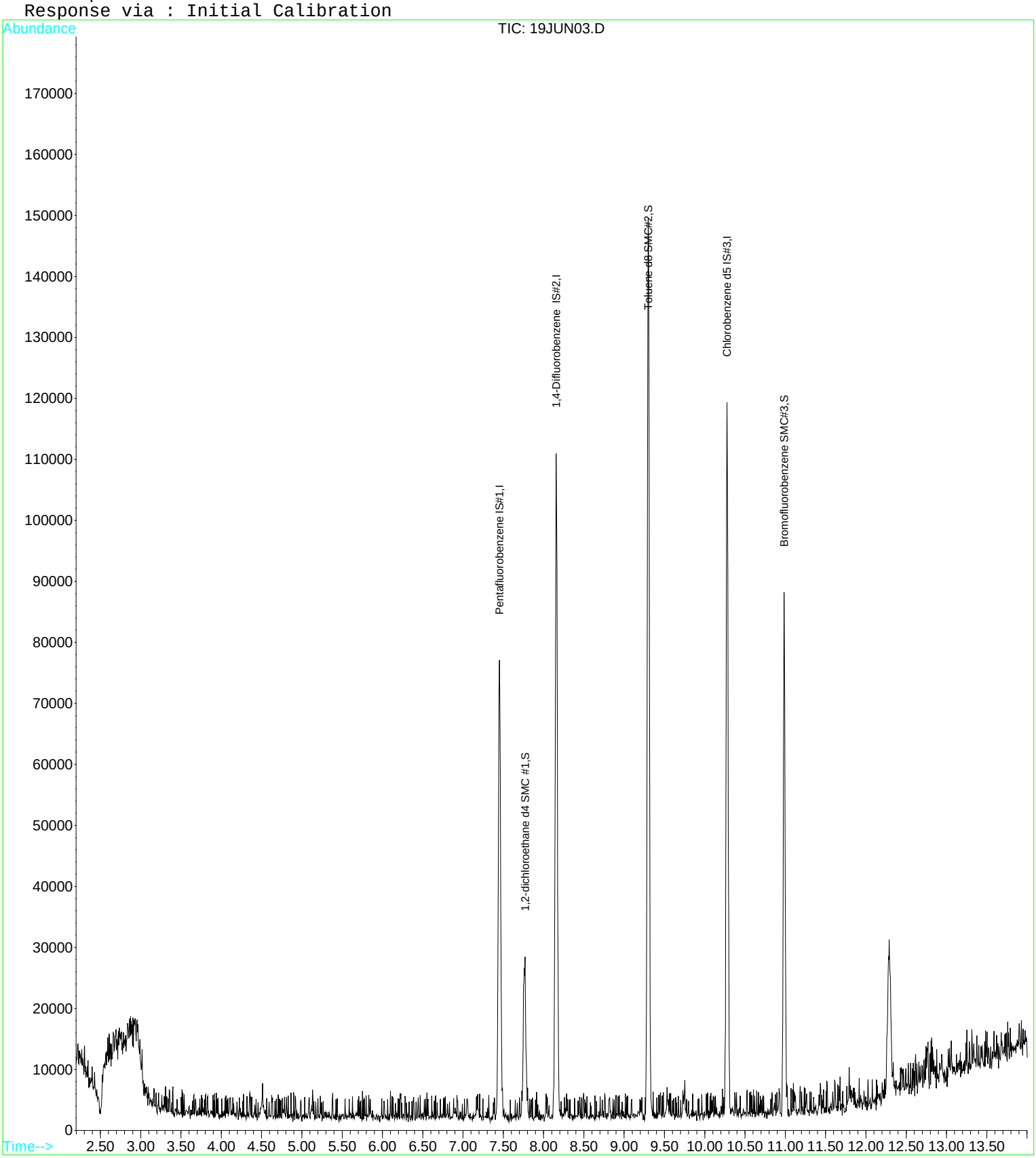
Target Compounds Qvalue

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

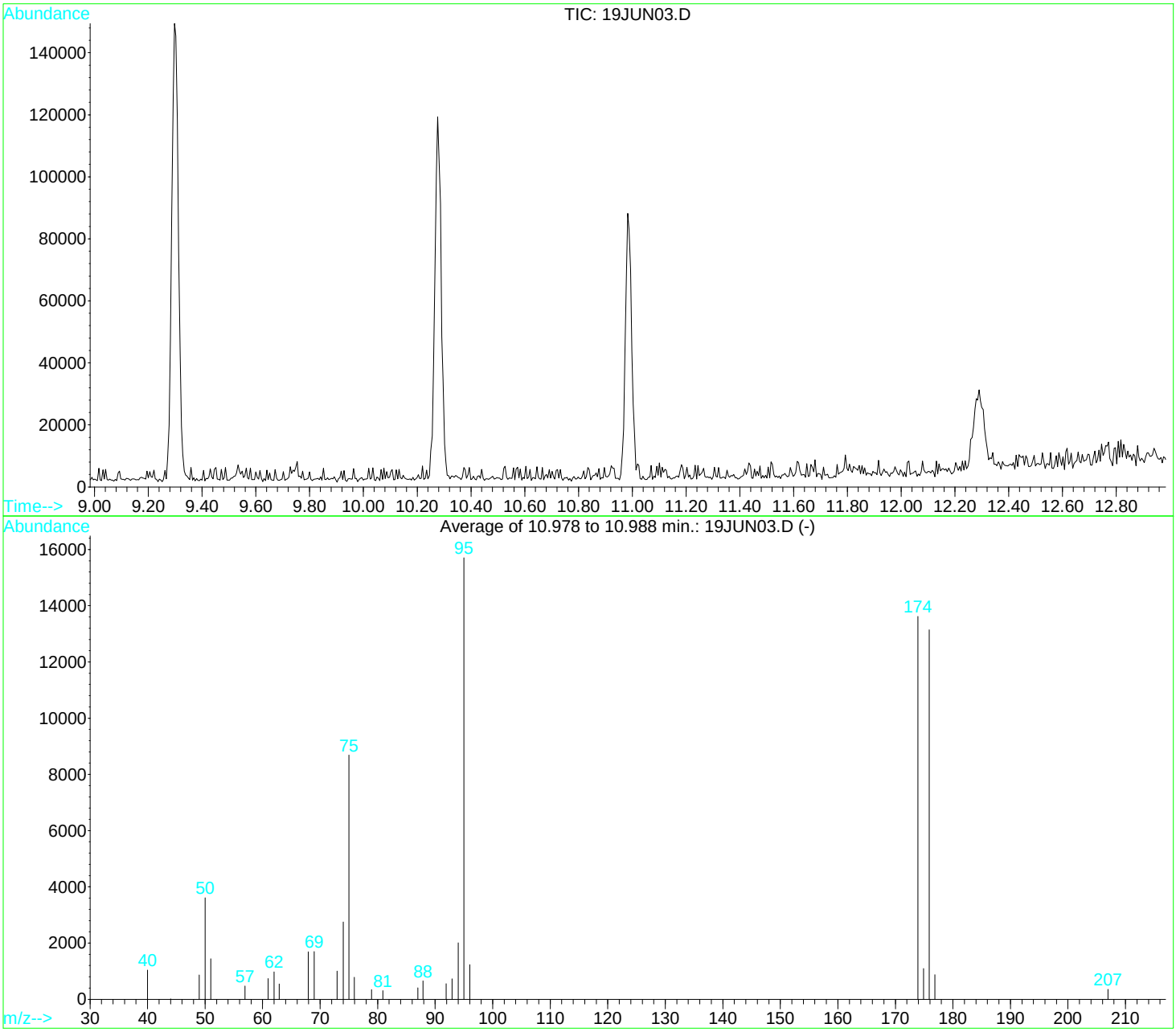
Quantitation Report

Data File : D:\DATA\JUN2023C\JUN19\19JUN03.D Vial: 3
Acq On : 19 Jun 2023 12:08 pm Operator: MGC
Sample : 2309003-TUN1 Inst : MS-V5
Misc : 1 ;3D05001;25NG Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jun 22 4:42 2023 Quant Results File: 82605C.RES

Method : C:\HPCHEM\1\METHODS\C\202306\02-0823\82605C.M (RTE Integrator)
Title : EPA Method 8260C/D
Last Update : Sun Jun 04 08:09:53 2023
Response via : Initial Calibration



Data File : D:\DATA\JUN2023C\JUN19\19JUN03.D Vial: 3
Acq On : 19 Jun 2023 12:08 pm Operator: MGC
Sample : 2309003-TUN1 Inst : MS-V5
Misc : 1 ;3D05001;25NG Multiplr: 1.00
MS Integration Params: rteint.p
Method : C:\HPCHEM\1\METHODS\C\202306\02-0823\82605C.M (RTE Integrator)
Title : EPA Method 8260C/D



Spectrum Information: Average of 10.978 to 10.988 min.

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	23.0	3612	PASS
75	95	30	60	55.4	8692	PASS
95	95	100	100	100.0	15703	PASS
96	95	5	9	7.9	1234	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	100	86.7	13618	PASS
175	174	5	9	8.0	1091	PASS
176	174	95	101	96.5	13143	PASS
177	176	5	9	6.7	877	PASS

Quantitation Report (QT Reviewed)

Data File : D:\DATA\JUN2023C\JUN21\21JUN44.D Vial: 44
Acq On : 21 Jun 2023 11:06 pm Operator: MGC
Sample : 2309153-TUN2 Inst : MS-V5
Misc : 1 ;3C29018;50NG Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jun 22 11:26 2023 Quant Results File: 82605C.RES

Quant Method : C:\HPCHEM\1...\82605C.M (RTE Integrator)
Title : EPA Method 8260C/D
Last Update : Thu Jun 22 11:15:56 2023
Response via : Initial Calibration
DataAcq Meth : 82605

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene IS#1	7.46	137	11977	10.00	ug/L	0.00
26) 1,4-Difluorobenzene IS#2	8.15	63	30746	10.00	ug/L	0.00
41) Chlorobenzene d5 IS#3	10.28	119	27885	10.00	ug/L	0.00
System Monitoring Compounds						
23) 1,2-dichloroethane d4 SMC	7.76	65	38161	12.24	ug/L	0.00
Spiked Amount 10.000	Range 75 - 125		Recovery = 122.40%			
33) Toluene d8 SMC#2	9.30	98	121305	9.44	ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 94.40%			
51) Bromofluorobenzene SMC#3	10.99	95	35972	8.84	ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 88.40%			

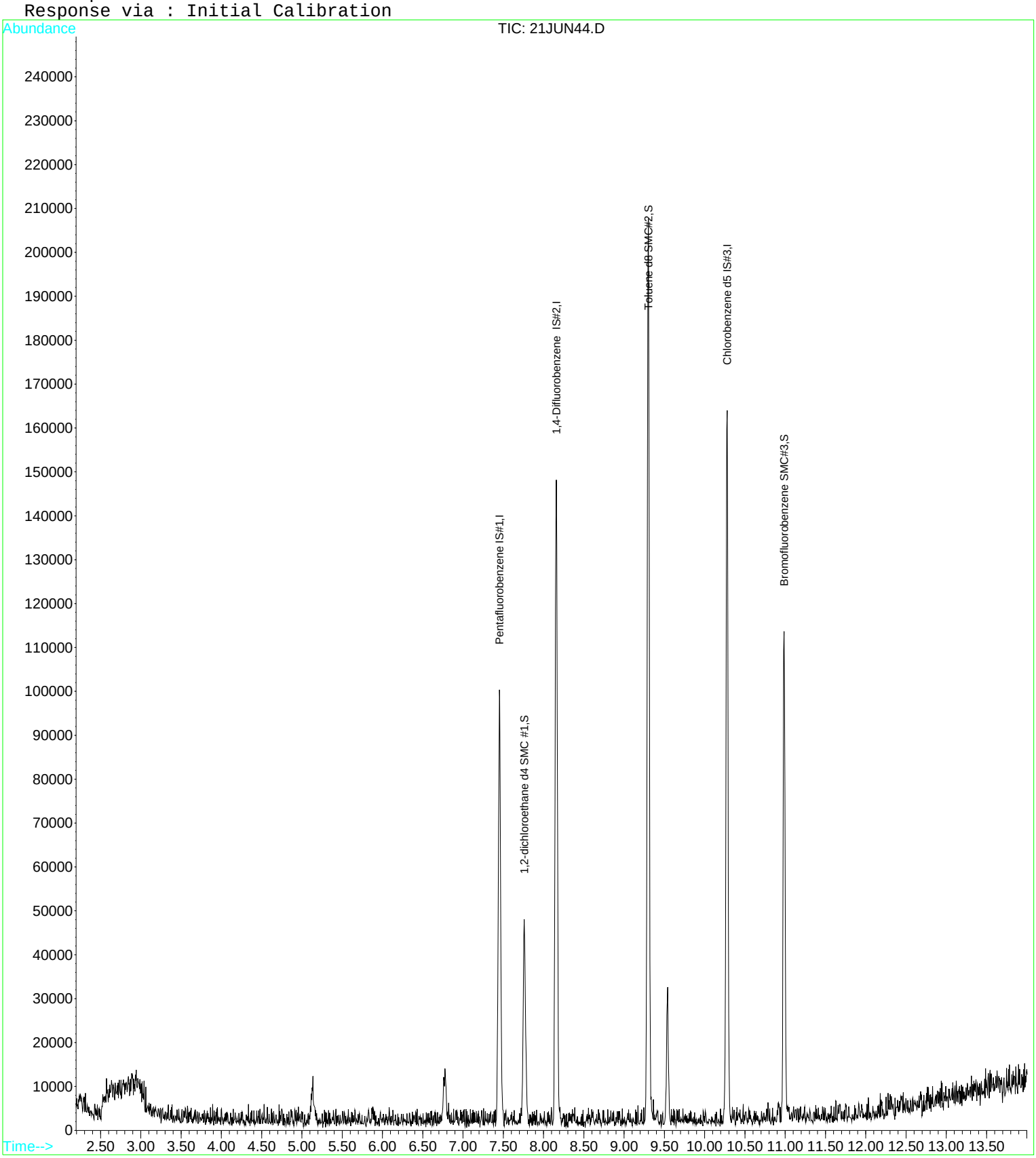
Target Compounds Qvalue

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

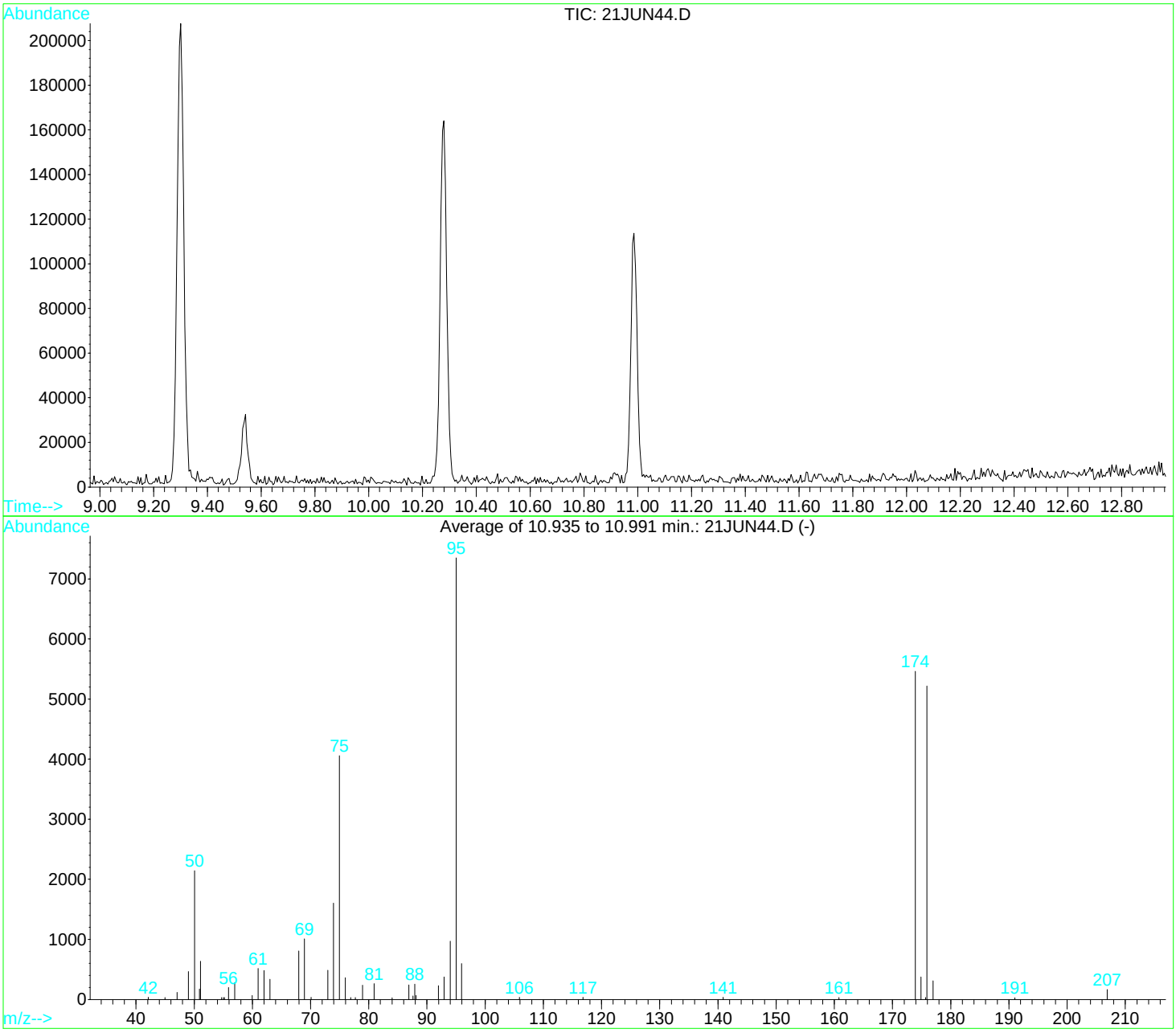
Quantitation Report

Data File : D:\DATA\JUN2023C\JUN21\21JUN44.D Vial: 44
Acq On : 21 Jun 2023 11:06 pm Operator: MGC
Sample : 2309153-TUN2 Inst : MS-V5
Misc : 1 ;3C29018;50NG Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jun 22 11:26 2023 Quant Results File: 82605C.RES

Method : C:\HPCHEM\1\METHODS\C\202306\21-0902\82605C.M (RTE Integrator)
Title : EPA Method 8260C/D
Last Update : Thu Jun 22 11:15:56 2023
Response via : Initial Calibration



Data File : D:\DATA\JUN2023C\JUN21\21JUN44.D Vial: 44
Acq On : 21 Jun 2023 11:06 pm Operator: MGC
Sample : 2309153-TUN2 Inst : MS-V5
Misc : 1 ;3C29018;50NG Multiplr: 1.00
MS Integration Params: rteint.p
Method : C:\HPCHEM\1\METHODS\C\202306\21-0902\82605C.M (RTE Integrator)
Title : EPA Method 8260C/D



Spectrum Information: Average of 10.935 to 10.991 min.

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	29.2	2144	PASS
75	95	30	60	55.2	4056	PASS
95	95	100	100	100.0	7348	PASS
96	95	5	9	8.2	599	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	100	74.3	5462	PASS
175	174	5	9	6.9	375	PASS
176	174	95	101	95.5	5217	PASS
177	176	5	9	5.9	310	PASS

Quantitation Report (QT Reviewed)

Data File : D:\DATA\JUN2023C\JUN22\22JUN01.D Vial: 1
Acq On : 22 Jun 2023 8:46 am Operator: MGC
Sample : 2309207-TUN1 Inst : MS-V5
Misc : 1 ;3D05001;25NG Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jun 22 12:06 2023 Quant Results File: 82605C.RES

Quant Method : C:\HPCHEM\1...\82605C.M (RTE Integrator)
Title : EPA Method 8260C/D
Last Update : Thu Jun 22 11:15:56 2023
Response via : Initial Calibration
DataAcq Meth : 82605

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene IS#1	7.46	137	7786	10.00	ug/L	0.00
26) 1,4-Difluorobenzene IS#2	8.16	63	16964	10.00	ug/L	0.00
41) Chlorobenzene d5 IS#3	10.28	119	17040	10.00	ug/L	0.00
System Monitoring Compounds						
23) 1,2-dichloroethane d4 SMC	7.77	65	22197	10.95	ug/L	0.00
Spiked Amount 10.000	Range 75 - 125		Recovery = 109.50%			
33) Toluene d8 SMC#2	9.29	98	80449	11.35	ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 113.50%			
51) Bromofluorobenzene SMC#3	10.99	95	22737	9.14	ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 91.40%			

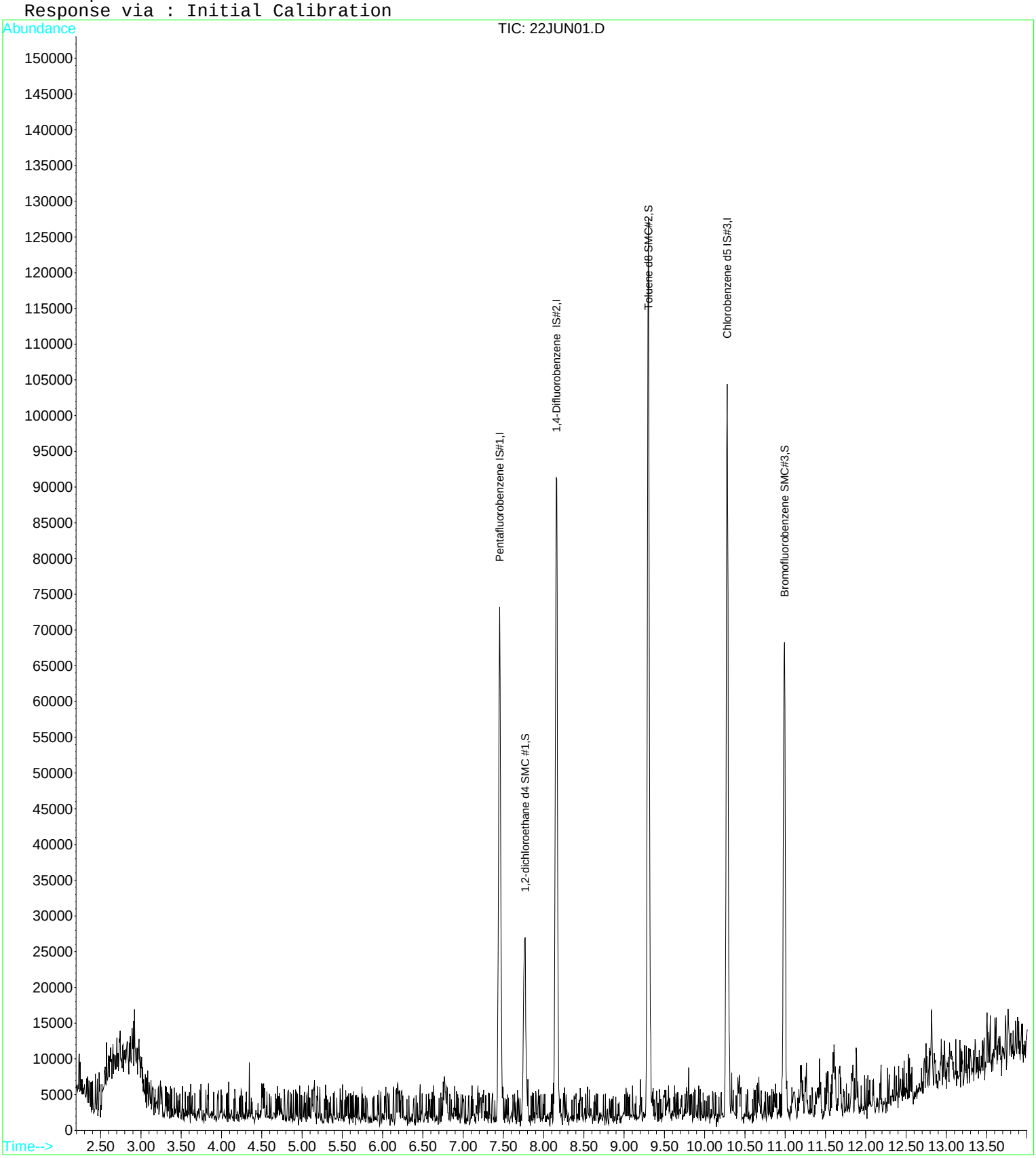
Target Compounds Qvalue

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

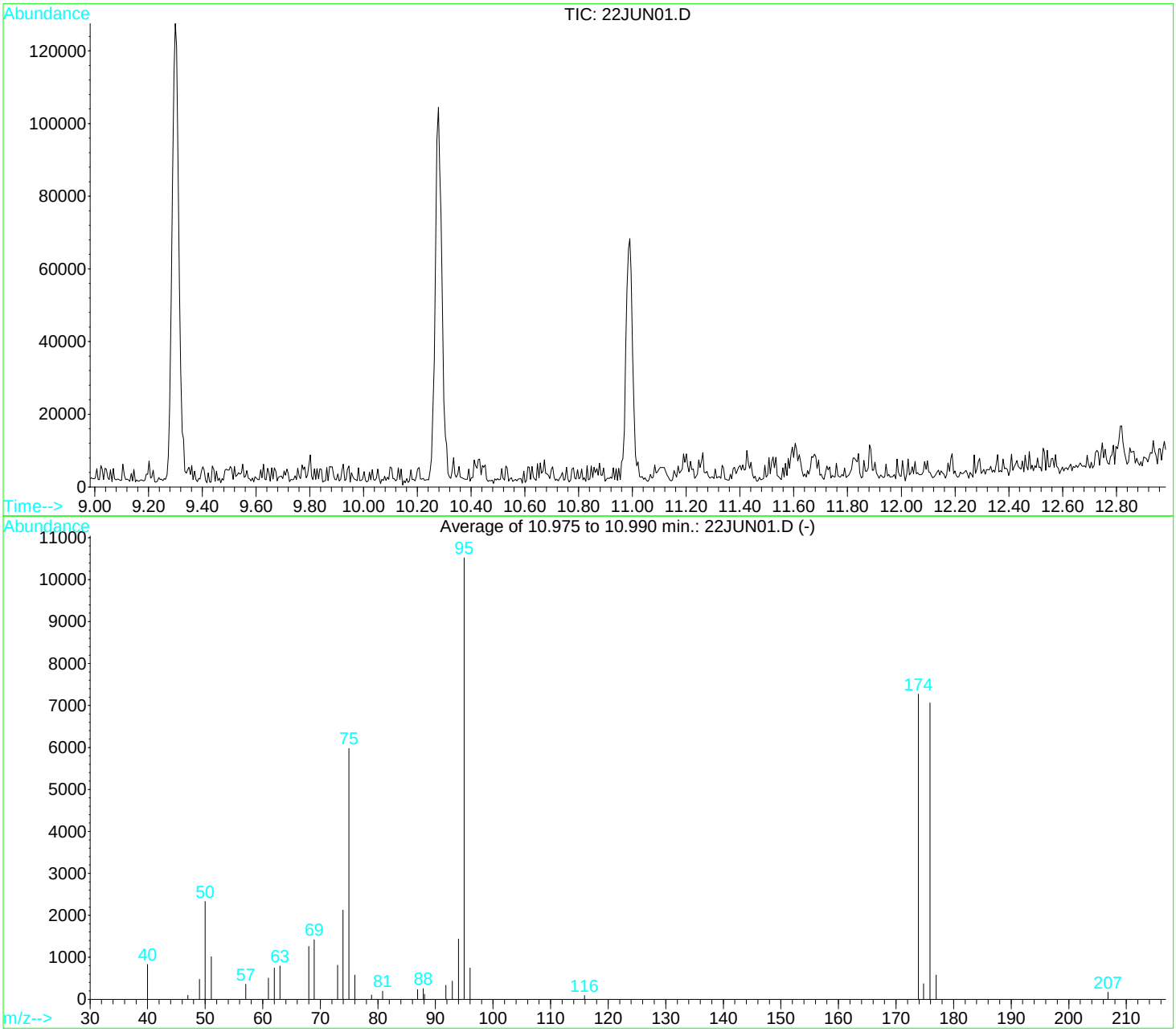
Quantitation Report

Data File : D:\DATA\JUN2023C\JUN22\22JUN01.D Vial: 1
Acq On : 22 Jun 2023 8:46 am Operator: MGC
Sample : 2309207-TUN1 Inst : MS-V5
Misc : 1 ;3D05001;25NG Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jun 22 12:06 2023 Quant Results File: 82605C.RES

Method : C:\HPCHEM\1\METHODS\C\202306\21-0902\82605C.M (RTE Integrator)
Title : EPA Method 8260C/D
Last Update : Thu Jun 22 11:15:56 2023
Response via : Initial Calibration



Data File : D:\DATA\JUN2023C\JUN22\22JUN01.D Vial: 1
Acq On : 22 Jun 2023 8:46 am Operator: MGC
Sample : 2309207-TUN1 Inst : MS-V5
Misc : 1 ;3D05001;25NG Multiplr: 1.00
MS Integration Params: rteint.p
Method : C:\HPCHEM\1\METHODS\C\202306\21-0902\82605C.M (RTE Integrator)
Title : EPA Method 8260C/D



Spectrum Information: Average of 10.975 to 10.990 min.

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	22.2	2333	PASS
75	95	30	60	56.8	5977	PASS
95	95	100	100	100.0	10518	PASS
96	95	5	9	7.1	743	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	100	69.1	7273	PASS
175	174	5	9	5.1	372	PASS
176	174	95	101	97.1	7061	PASS
177	176	5	9	8.2	582	PASS

Raw Data - Method Blank

Quantitation Report (QT Reviewed)

Data File : D:\DATA\JUN2023C\JUN21\21JUN48.D Vial: 48
Acq On : 22 Jun 2023 12:43 am Operator: MGC
Sample : B168556-BLK1 Inst : MS-V5
Misc : 1 PB1;VRL-19-7215;25ML Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jun 22 11:29 2023 Quant Results File: 82605C.RES

Quant Method : C:\HPCHEM\1...\82605C.M (RTE Integrator)
Title : EPA Method 8260C/D
Last Update : Thu Jun 22 11:15:56 2023
Response via : Initial Calibration
DataAcq Meth : 82605

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene IS#1	7.45	137	49910	10.00	ug/L	0.00
26) 1,4-Difluorobenzene IS#2	8.16	63	109005	10.00	ug/L	0.00
41) Chlorobenzene d5 IS#3	10.28	119	97634	10.00	ug/L	0.00
System Monitoring Compounds						
23) 1,2-dichloroethane d4 SMC	7.76	65	128372	9.88	ug/L	0.00
Spiked Amount 10.000	Range 75 - 125		Recovery = 98.80%			
33) Toluene d8 SMC#2	9.30	98	446814	9.81	ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 98.10%			
51) Bromofluorobenzene SMC#3	10.98	95	137302	9.63	ug/L	0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 96.30%			

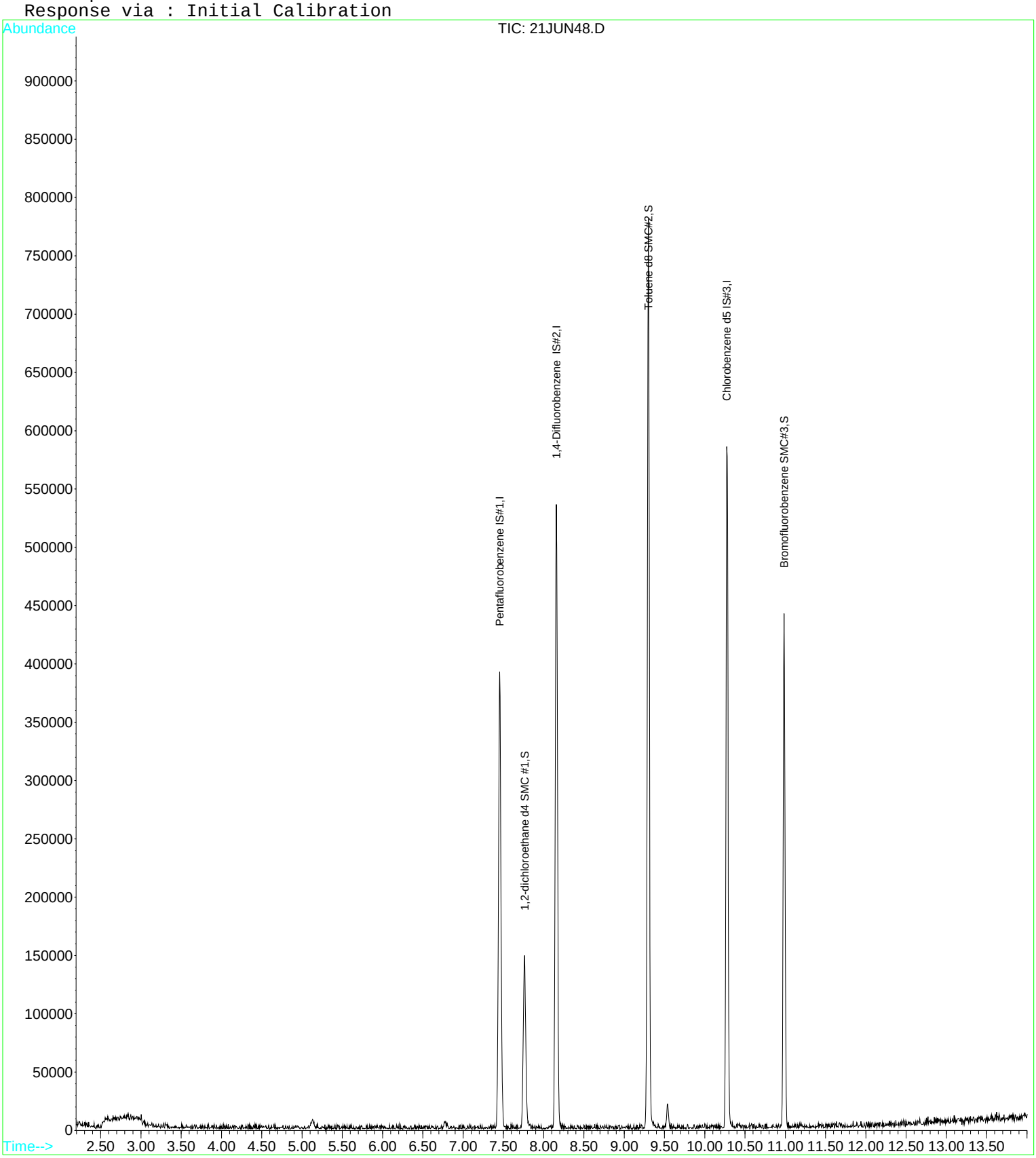
Target Compounds Qvalue

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

Quantitation Report

Data File : D:\DATA\JUN2023C\JUN21\21JUN48.D Vial: 48
Acq On : 22 Jun 2023 12:43 am Operator: MGC
Sample : B168556-BLK1 Inst : MS-V5
Misc : 1 PB1;VRL-19-7215;25ML Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jun 22 11:29 2023 Quant Results File: 82605C.RES

Method : C:\HPCHEM\1\METHODS\C\202306\21-0902\82605C.M (RTE Integrator)
Title : EPA Method 8260C/D
Last Update : Thu Jun 22 11:15:56 2023
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : D:\DATA\JUN2023C\JUN21\21JUN48.D Vial: 48
Acq On : 22 Jun 2023 12:43 am Operator: MGC
Sample : B168556-BLK1 Inst : MS-V5
Misc : 1 PB1;VRL-19-7215;25ML Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jun 22 11:29 2023 Quant Results File: 82605CX.RES

Quant Method : C:\HPCHEM\1...\82605CX.M (RTE Integrator)
Title : EPA Method 8260C/DX
Last Update : Thu Jun 22 04:57:10 2023
Response via : Initial Calibration
DataAcq Meth : 82605

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene IS#1	7.45	137	49910	10.00	ug/L	0.00
29) 1,4-Difluorobenzene IS#2	8.16	63	109005	10.00	ug/L	0.00
36) Chlorobenzene d5 IS#3	10.28	119	97634	10.00	ug/L	0.00

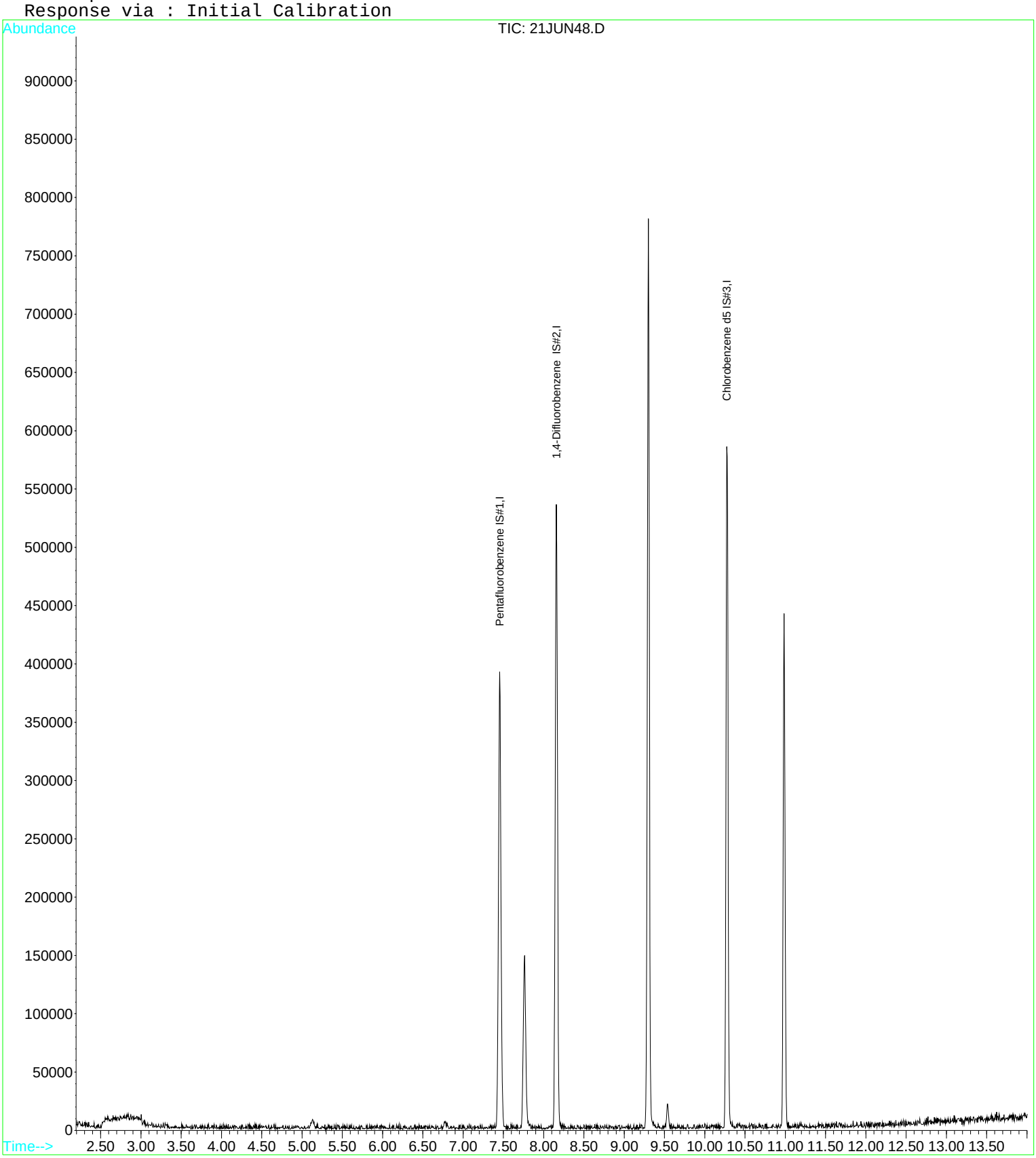
Target Compounds Qvalue

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

Quantitation Report

Data File : D:\DATA\JUN2023C\JUN21\21JUN48.D Vial: 48
Acq On : 22 Jun 2023 12:43 am Operator: MGC
Sample : B168556-BLK1 Inst : MS-V5
Misc : 1 PB1;VRL-19-7215;25ML Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jun 22 11:29 2023 Quant Results File: 82605CX.RES

Method : C:\HPCHEM\1\METHODS\C\202306\19-1901\82605CX.M (RTE Integrator)
Title : EPA Method 8260C/DX
Last Update : Thu Jun 22 04:57:10 2023
Response via : Initial Calibration



Raw Data - Matrix Spike

Quantitation Report (QT Reviewed)

Data File : D:\DATA\JUN2023C\JUN21\21JUN65.D Vial: 65
Acq On : 22 Jun 2023 7:33 am Operator: MGC
Sample : B168556-MS1 Inst : MS-V5
Misc : 1 ;3F20001;25ML Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jun 22 11:38 2023 Quant Results File: 82605C.RES

Quant Method : C:\HPCHEM\1...\82605C.M (RTE Integrator)
Title : EPA Method 8260C/D
Last Update : Thu Jun 22 11:15:56 2023
Response via : Initial Calibration
DataAcq Meth : 82605

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Pentafluorobenzene IS#1	7.46	137	66895	10.00	ug/L		0.00
26) 1,4-Difluorobenzene IS#2	8.16	63	148954	10.00	ug/L		0.00
41) Chlorobenzene d5 IS#3	10.28	119	135675	10.00	ug/L		0.00
System Monitoring Compounds							
23) 1,2-dichloroethane d4 SMC	7.76	65	173923	9.98	ug/L		0.00
Spiked Amount 10.000	Range 75 - 125		Recovery = 99.80%				
33) Toluene d8 SMC#2	9.30	98	614326	9.87	ug/L		0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 98.70%				
51) Bromofluorobenzene SMC#3	10.98	95	209508	10.58	ug/L		0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 105.80%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	2.28	85	964349	29.95	ug/L		99
3) Chlorodifluoromethane	2.31	51	403177	27.93	ug/L		92
4) Chloromethane	2.53	50	849836	30.83	ug/L		100
5) Vinyl chloride	2.69	62	633706	32.19	ug/L		97
6) Bromomethane	3.18	94	414392	32.95	ug/L		98
7) Chloroethane	3.34	64	493975	28.36	ug/L		98
8) Dichlorofluoromethane	3.66	67	991571	27.46	ug/L		99
9) Trichlorofluoromethane	3.71	101	1200479	29.20	ug/L		100
10) 1,1,2-Trichloro-1,2,2-trif	4.46	101	560435	28.65	ug/L		99
11) 1,1-Dichloroethene	4.45	61	1108817	28.97	ug/L		99
12) Methylene chloride	5.13	84	417743	26.72	ug/L		99
13) MTBE	5.49	73	807474	25.80	ug/L		99
14) T-1,2-dichloroethene	5.51	96	542615	27.73	ug/L		99
15) 1,1-Dichloroethane	6.17	63	1133764	25.76	ug/L		98
16) 2,2-Dichloropropane	6.91	77	1116597	28.61	ug/L		95
17) Cis-1,2-dichloroethene	6.91	96	544257	27.44	ug/L		98
18) Bromochloromethane	7.16	128	163014	26.32	ug/L		96
19) Chloroform	7.27	83	992559	26.71	ug/L		99
20) 1,1,1-Trichloroethane	7.44	97	1111517	27.79	ug/L		93
21) 1,1-Dichloropropene	7.60	75	850952	28.70	ug/L		99
22) Carbon tetrachloride	7.60	119	923732	30.11	ug/L		99
24) 1,2-Dichloroethane	7.83	62	619353	25.99	ug/L		99
25) Benzene	7.79	78	1941242	25.62	ug/L		97
27) Trichloroethene	8.37	130	559314	26.70	ug/L		99
28) 1,2-Dichloropropane	8.58	63	547449	25.67	ug/L	#	42
29) Dibromomethane	8.65	93	181131	28.14	ug/L		98
30) Bromodichloromethane	8.78	83	641535	28.21	ug/L		97
31) 2-ceve	8.98	63	913	0.16	ug/L	#	1
32) Cis-1,3-dichloropropene	9.10	75	682271	27.80	ug/L		100
34) Toluene	9.35	92	1222550	26.93	ug/L		93
35) Trans-1,3-dichloropropene	9.50	75	500349	27.92	ug/L		100
36) 1,1,2-Trichloroethane	9.64	97	233083	26.95	ug/L		98
37) Tetrachloroethene (PCE)	9.71	166	555148	27.49	ug/L		99
38) 1,3-Dichloropropane	9.75	76	437493	26.12	ug/L		99
39) Dibromochloromethane	9.90	129	301426	28.93	ug/L		97
40) 1,2-Dibromoethane	9.99	107	212771	28.18	ug/L		98
42) Chlorobenzene	10.30	112	1202201	27.69	ug/L		96
43) 1,1,1,2-Tetrachloroethane	10.34	131	452907	29.70	ug/L		96
44) Ethylbenzene	10.34	106	741927	27.73	ug/L		78
45) P+m-Xylene	10.42	106	1670998	54.14	ug/L		85
46) O-Xylene	10.66	106	804857	26.84	ug/L		91
47) Styrene	10.67	104	1211761	28.15	ug/L		96
48) Bromoform	10.80	173	127380	27.51	ug/L		98
49) Isopropylbenzene	10.87	105	2129258	26.27	ug/L		91
50) 1,1,2,2-Tetrachloroethane	11.04	83	205294	27.07	ug/L		100

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

Quantitation Report (QT Reviewed)

Data File : D:\DATA\JUN2023C\JUN21\21JUN65.D Vial: 65
Acq On : 22 Jun 2023 7:33 am Operator: MGC
Sample : B168556-MS1 Inst : MS-V5
Misc : 1 ;3F20001;25ML Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jun 22 11:38 2023 Quant Results File: 82605C.RES

Quant Method : C:\HPCHEM\1...\82605C.M (RTE Integrator)
Title : EPA Method 8260C/D
Last Update : Thu Jun 22 11:15:56 2023
Response via : Initial Calibration
DataAcq Meth : 82605

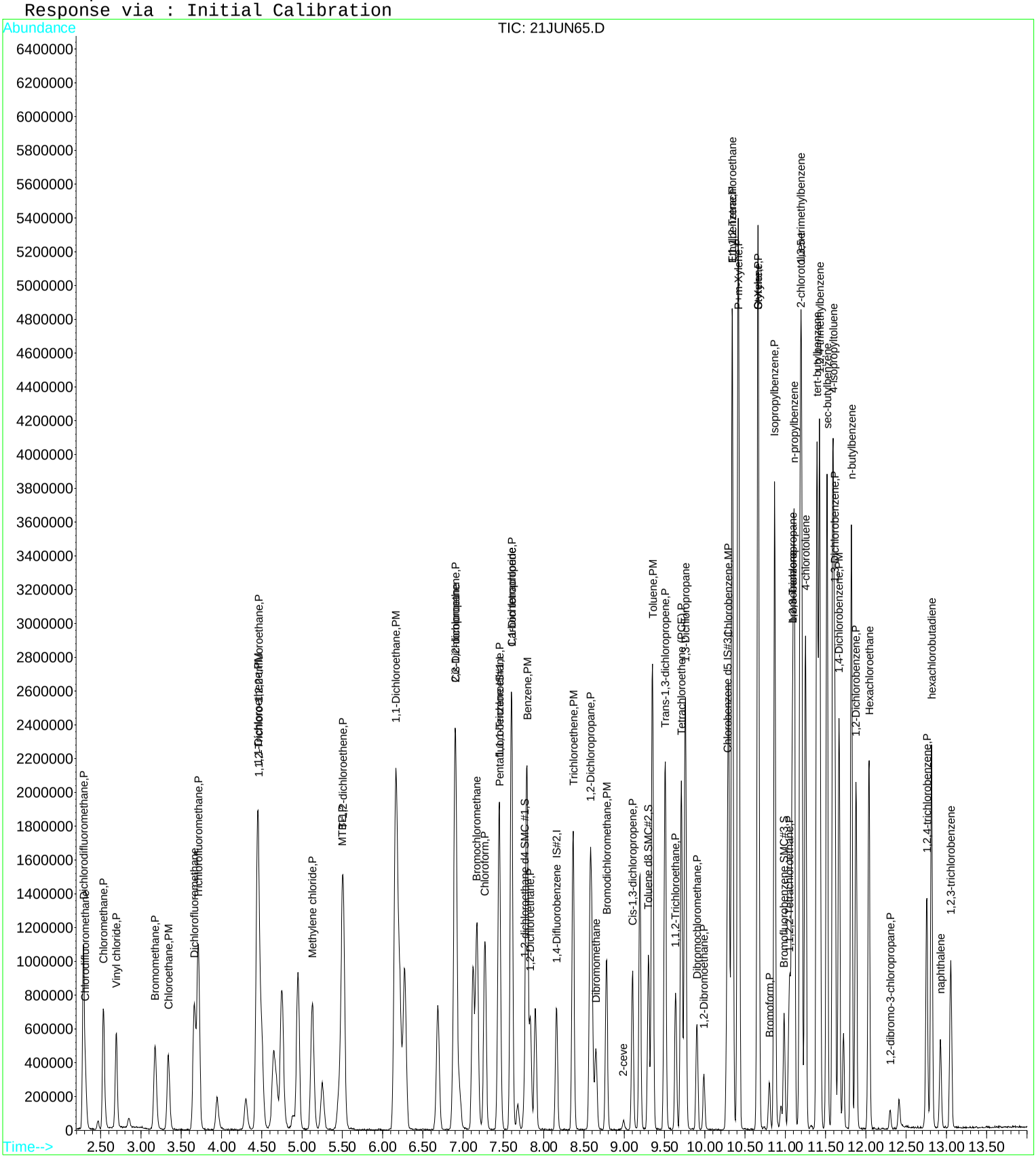
	Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
52)	1,2,3-Trichloropropane	11.09	110	66908	28.99	ug/L	95
53)	n-propylbenzene	11.11	91	2324856	27.00	ug/L	90
54)	bromobenzene	11.09	156	449423	28.36	ug/L	92
55)	1,3,5-trimethylbenzene	11.20	105	1824934	27.44	ug/L	92
56)	2-chlorotoluene	11.18	91	1807520	27.51	ug/L	95
57)	4-chlorotoluene	11.25	91	1590565	28.53	ug/L	95
58)	tert-butylbenzene	11.39	119	2004557	28.95	ug/L	92
59)	1,2,4-trimethylbenzene	11.42	105	1786871	28.30	ug/L	91
60)	sec-butylbenzene	11.52	105	2202690	25.56	ug/L	90
61)	4-isopropyltoluene	11.59	119	1901133	28.30	ug/L	92
62)	1,3-Dichlorobenzene	11.61	146	966693	30.01	ug/L	98
63)	1,4-Dichlorobenzene	11.67	146	942979	30.65	ug/L	96
64)	n-butylbenzene	11.82	91	1752214	30.85	ug/L	92
65)	1,2-Dichlorobenzene	11.88	146	811365	30.31	ug/L	98
66)	Hexachloroethane	12.04	117	351103	28.79	ug/L	97
67)	1,2-dibromo-3-chloropropan	12.30	75	34261	30.86	ug/L	98
68)	1,2,4-trichlorobenzene	12.76	180	428410	29.76	ug/L	99
69)	hexachlorobutadiene	12.82	225	483339	33.42	ug/L	98
70)	naphthalene	12.93	128	443056	30.02	ug/L	100
71)	1,2,3-trichlorobenzene	13.05	180	322314	29.83	ug/L	99

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

Quantitation Report

Data File : D:\DATA\JUN2023C\JUN21\21JUN65.D Vial: 65
Acq On : 22 Jun 2023 7:33 am Operator: MGC
Sample : B168556-MS1 Inst : MS-V5
Misc : 1 ;3F20001;25ML Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jun 22 11:38 2023 Quant Results File: 82605C.RES

Method : C:\HPCHEM\1\METHODS\C\202306\21-0902\82605C.M (RTE Integrator)
Title : EPA Method 8260C/D
Last Update : Thu Jun 22 11:15:56 2023
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : D:\DATA\JUN2023C\JUN21\21JUN65.D Vial: 65
Acq On : 22 Jun 2023 7:33 am Operator: MGC
Sample : B168556-MS1 Inst : MS-V5
Misc : 1 ;3F20001;25ML Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jun 22 12:02 2023 Quant Results File: 82605CX.RES

Quant Method : C:\HPCHEM\1...\82605CX.M (RTE Integrator)
Title : EPA Method 8260C/DX
Last Update : Thu Jun 22 04:57:10 2023
Response via : Initial Calibration
DataAcq Meth : 82605

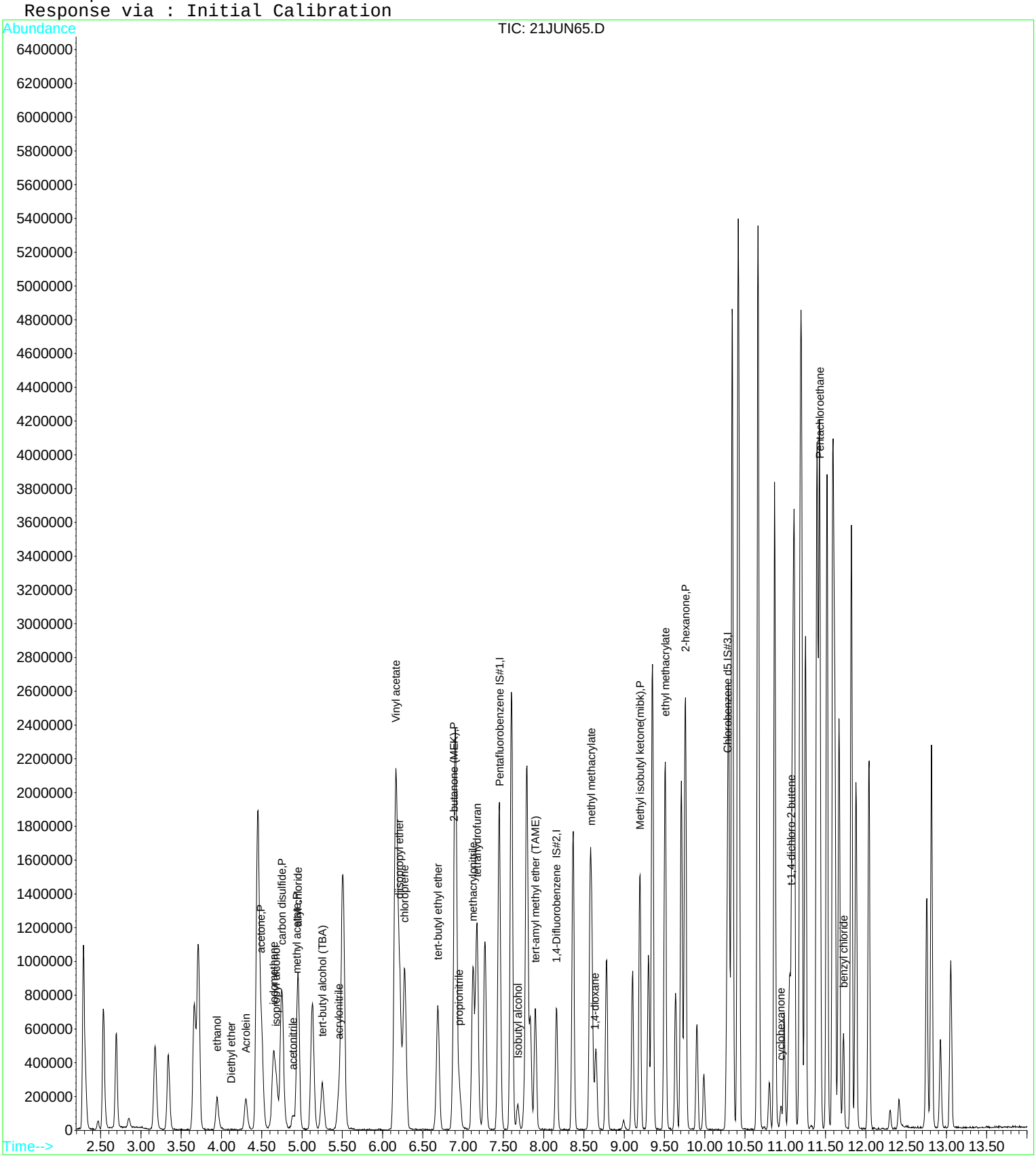
Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Pentafluorobenzene IS#1	7.46	137	66895	10.00	ug/L		0.00
29) 1,4-Difluorobenzene IS#2	8.16	63	148954	10.00	ug/L		0.00
36) Chlorobenzene d5 IS#3	10.28	119	135675	10.00	ug/L		0.00
Target Compounds							Qvalue
2) ethanol	3.95	45	274922	4236.77	ug/L		99
5) Diethyl ether	4.12	59	339	0.03	ug/L	#	1
6) isopropyl alcohol	4.68	45	423127	1198.78	ug/L	#	1
7) Acrolein	4.30	56	259013	254.70	ug/L		99
8) acetone	4.49	43	596271	311.27	ug/L		93
9) tert-butyl alcohol (TBA)	5.25	59	436265	749.37	ug/L		100
10) acetonitrile	4.88	41	106606	141.97	ug/L	#	30
11) methyl acetate	4.93	43	36760	7.01	ug/L	#	75
12) allyl chloride	4.95	41	1457896	34.09	ug/L		96
13) iodomethane	4.65	142	691761	29.47	ug/L		94
14) acrylonitrile	5.45	53	216998	92.76	ug/L		95
15) carbon disulfide	4.75	76	1800056	34.10	ug/L		99
17) diisopropyl ether	6.21	87	238704	17.57	ug/L		98
18) Vinyl acetate	6.16	43	3836970	178.90	ug/L		97
19) chloroprene	6.28	53	987872	36.99	ug/L		94
20) tert-butyl ethyl ether	6.69	59	837538	16.20	ug/L		98
21) 2-butanone (MEK)	6.88	43	510745	159.44	ug/L		99
22) propionitrile	6.95	54	345524	415.46	ug/L		100
23) Isobutyl alcohol	7.68	43	115189	440.03	ug/L		97
24) methacrylonitrile	7.12	67	410217	160.33	ug/L		90
26) tetrahydrofuran	7.17	42	696919	323.35	ug/L		95
28) tert-amyl methyl ether (TA	7.89	73	518549	15.22	ug/L		99
30) methyl methacrylate	8.60	69	397229	74.52	ug/L	#	13
32) 1,4-dioxane	8.63	88	84527	1980.49	ug/L		96
33) Methyl isobutyl ketone(mib	9.19	43	1163290	158.65	ug/L		92
34) ethyl methacrylate	9.51	69	849754	77.65	ug/L		98
35) 2-hexanone	9.76	43	1442275	308.60	ug/L		91
38) cyclohexanone	10.94	55	66471	195.30	ug/L		98
39) t-1,4-dichloro-2-butene	11.07	75	191488m	110.36	ug/L		
41) Pentachloroethane	11.44	167	166340	36.81	ug/L	#	78
42) benzyl chloride	11.72	91	396100	42.01	ug/L		97

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

Quantitation Report

Data File : D:\DATA\JUN2023C\JUN21\21JUN65.D Vial: 65
Acq On : 22 Jun 2023 7:33 am Operator: MGC
Sample : B168556-MS1 Inst : MS-V5
Misc : 1 ;3F20001;25ML Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jun 22 12:02 2023 Quant Results File: 82605CX.RES

Method : C:\HPCHEM\1\METHODS\C\202306\19-1901\82605CX.M (RTE Integrator)
Title : EPA Method 8260C/DX
Last Update : Thu Jun 22 04:57:10 2023
Response via : Initial Calibration



Raw Data - Matrix Spike Duplicate

Quantitation Report (QT Reviewed)

Data File : D:\DATA\JUN2023C\JUN21\21JUN66.D Vial: 66
Acq On : 22 Jun 2023 7:57 am Operator: MGC
Sample : B168556-MSD1 Inst : MS-V5
Misc : 1 ;3F20001;25ML Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jun 22 11:38 2023 Quant Results File: 82605C.RES

Quant Method : C:\HPCHEM\1...\82605C.M (RTE Integrator)
Title : EPA Method 8260C/D
Last Update : Thu Jun 22 11:15:56 2023
Response via : Initial Calibration
DataAcq Meth : 82605

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Pentafluorobenzene IS#1	7.45	137	75978	10.00	ug/L		0.00
26) 1,4-Difluorobenzene IS#2	8.16	63	159372	10.00	ug/L		0.00
41) Chlorobenzene d5 IS#3	10.28	119	155442	10.00	ug/L		0.00
System Monitoring Compounds							
23) 1,2-dichloroethane d4 SMC	7.76	65	185518	9.38	ug/L		0.00
Spiked Amount 10.000	Range 75 - 125		Recovery = 93.80%				
33) Toluene d8 SMC#2	9.30	98	681492	10.23	ug/L		0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 102.30%				
51) Bromofluorobenzene SMC#3	10.98	95	231453	10.20	ug/L		0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 102.00%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	2.28	85	929494	25.41	ug/L		97
3) Chlorodifluoromethane	2.31	51	389428	23.75	ug/L		92
4) Chloromethane	2.53	50	823966	26.32	ug/L		99
5) Vinyl chloride	2.69	62	635685	28.43	ug/L		98
6) Bromomethane	3.18	94	428235	29.98	ug/L		99
7) Chloroethane	3.34	64	492933	24.92	ug/L		100
8) Dichlorofluoromethane	3.66	67	979019	23.87	ug/L		100
9) Trichlorofluoromethane	3.71	101	1179205	25.25	ug/L		99
10) 1,1,2-Trichloro-1,2,2-trif	4.46	101	555772	25.01	ug/L		99
11) 1,1-Dichloroethene	4.44	61	1100336	25.31	ug/L		99
12) Methylene chloride	5.13	84	421767	23.73	ug/L		98
13) MTBE	5.50	73	820865	23.10	ug/L		100
14) T-1,2-dichloroethene	5.51	96	551427	24.81	ug/L		98
15) 1,1-Dichloroethane	6.17	63	1140844	22.82	ug/L		99
16) 2,2-Dichloropropane	6.91	77	1094341	24.69	ug/L		96
17) Cis-1,2-dichloroethene	6.90	96	547583	24.30	ug/L		99
18) Bromochloromethane	7.17	128	163365	23.23	ug/L		93
19) Chloroform	7.27	83	999025	23.67	ug/L		98
20) 1,1,1-Trichloroethane	7.44	97	1104130	24.30	ug/L		92
21) 1,1-Dichloropropene	7.60	75	859629	25.53	ug/L		99
22) Carbon tetrachloride	7.60	119	912321	26.18	ug/L		99
24) 1,2-Dichloroethane	7.83	62	619221	22.88	ug/L		98
25) Benzene	7.79	78	1951659	22.68	ug/L		96
27) Trichloroethene	8.37	130	559434	24.96	ug/L		100
28) 1,2-Dichloropropane	8.58	63	547582	24.00	ug/L	#	40
29) Dibromomethane	8.65	93	174753	25.38	ug/L		97
30) Bromodichloromethane	8.78	83	637600	26.20	ug/L		98
32) Cis-1,3-dichloropropene	9.10	75	685185	26.09	ug/L		100
34) Toluene	9.35	92	1220275	25.13	ug/L		91
35) Trans-1,3-dichloropropene	9.50	75	494933	25.81	ug/L		99
36) 1,1,2-Trichloroethane	9.64	97	229464	24.80	ug/L		99
37) Tetrachloroethene (PCE)	9.71	166	570415	26.40	ug/L		97
38) 1,3-Dichloropropane	9.75	76	439070	24.50	ug/L		100
39) Dibromochloromethane	9.90	129	312611	28.04	ug/L		99
40) 1,2-Dibromoethane	9.99	107	213174	26.39	ug/L		97
42) Chlorobenzene	10.30	112	1215197	24.43	ug/L		95
43) 1,1,1,2-Tetrachloroethane	10.34	131	447077	25.59	ug/L		98
44) Ethylbenzene	10.34	106	740098	24.14	ug/L		77
45) P+m-Xylene	10.41	106	1660726	46.97	ug/L		85
46) O-Xylene	10.66	106	808135	23.52	ug/L		91
47) Styrene	10.67	104	1223402	24.81	ug/L		95
48) Bromoform	10.80	173	131763	25.20	ug/L		97
49) Isopropylbenzene	10.87	105	2132149	22.96	ug/L		92
50) 1,1,2,2-Tetrachloroethane	11.04	83	205286	23.63	ug/L		98
52) 1,2,3-Trichloropropane	11.09	110	62830	23.76	ug/L		96

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

Quantitation Report (QT Reviewed)

Data File : D:\DATA\JUN2023C\JUN21\21JUN66.D Vial: 66
Acq On : 22 Jun 2023 7:57 am Operator: MGC
Sample : B168556-MSD1 Inst : MS-V5
Misc : 1 ;3F20001;25ML Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jun 22 11:38 2023 Quant Results File: 82605C.RES

Quant Method : C:\HPCHEM\1...\82605C.M (RTE Integrator)
Title : EPA Method 8260C/D
Last Update : Thu Jun 22 11:15:56 2023
Response via : Initial Calibration
DataAcq Meth : 82605

	Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
53)	n-propylbenzene	11.11	91	2272671	22.08	ug/L	91
54)	bromobenzene	11.09	156	458554	25.25	ug/L	95
55)	1,3,5-trimethylbenzene	11.20	105	1808663	23.73	ug/L	92
56)	2-chlorotoluene	11.18	91	1765358	23.45	ug/L	96
57)	4-chlorotoluene	11.25	91	1578102	24.71	ug/L	95
58)	tert-butylbenzene	11.39	119	2015346	25.40	ug/L	90
59)	1,2,4-trimethylbenzene	11.42	105	1763971	24.39	ug/L	91
60)	sec-butylbenzene	11.52	105	2196598	22.25	ug/L	90
61)	4-isopropyltoluene	11.59	119	1869818	24.30	ug/L	91
62)	1,3-Dichlorobenzene	11.61	146	961926	26.07	ug/L	96
63)	1,4-Dichlorobenzene	11.67	146	933026	26.47	ug/L	95
64)	n-butylbenzene	11.82	91	1712236	26.31	ug/L	92
65)	1,2-Dichlorobenzene	11.88	146	799414	26.07	ug/L	98
66)	Hexachloroethane	12.04	117	347148	25.50	ug/L	97
67)	1,2-dibromo-3-chloropropan	12.30	75	30735	24.16	ug/L	90
68)	1,2,4-trichlorobenzene	12.76	180	420594	26.28	ug/L	98
69)	hexachlorobutadiene	12.82	225	464661	28.04	ug/L	99
70)	naphthalene	12.93	128	430558	26.45	ug/L	100
71)	1,2,3-trichlorobenzene	13.05	180	318806	26.74	ug/L	98

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

Quantitation Report

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Data File : D:\DATA\JUN2023C\JUN21\21JUN66.D          Vial: 66
Acq On    : 22 Jun 2023   7:57 am                   Operator: MGC
Sample    : B168556-MSD1                            Inst    : MS-V5
Misc      : 1 ;3F20001;25ML                         Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jun 22 11:38 2023            Quant Results File: 82605C.RES

Method       : C:\HPCHEM\1\METHODS\C\202306\21-0902\82605C.M (RTE Integrator)
Title        : EPA Method  8260C/D
Last Update  : Thu Jun 22 11:15:56 2023
Response via : Initial Calibration
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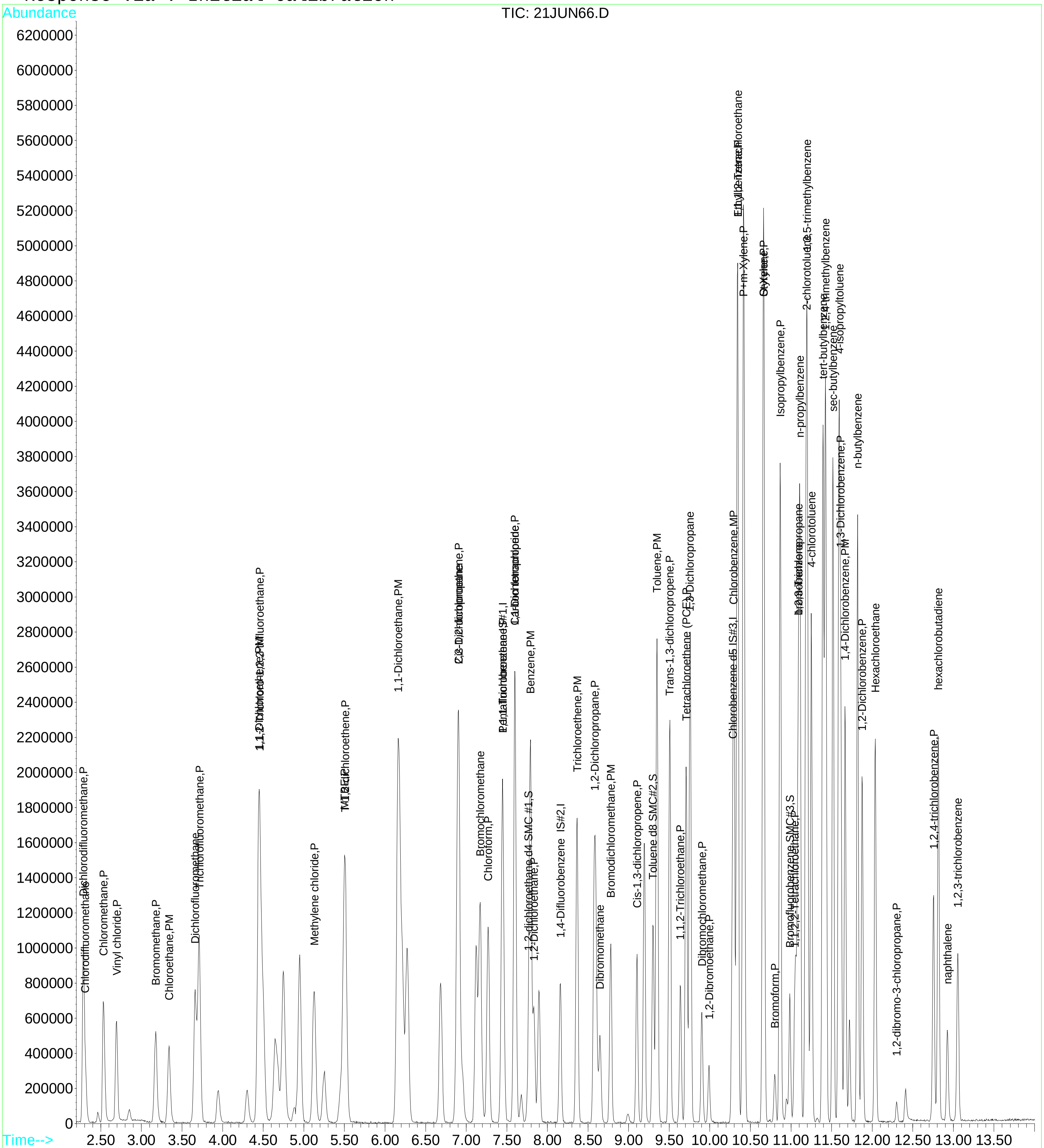


Quantitation Report (QT Reviewed)

Data File : D:\DATA\JUN2023C\JUN21\21JUN66.D Vial: 66
Acq On : 22 Jun 2023 7:57 am Operator: MGC
Sample : B168556-MSD1 Inst : MS-V5
Misc : 1 ;3F20001;25ML Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jun 22 12:03 2023 Quant Results File: 82605CX.RES

Quant Method : C:\HPCHEM\1...\82605CX.M (RTE Integrator)
Title : EPA Method 8260C/DX
Last Update : Thu Jun 22 04:57:10 2023
Response via : Initial Calibration
DataAcq Meth : 82605

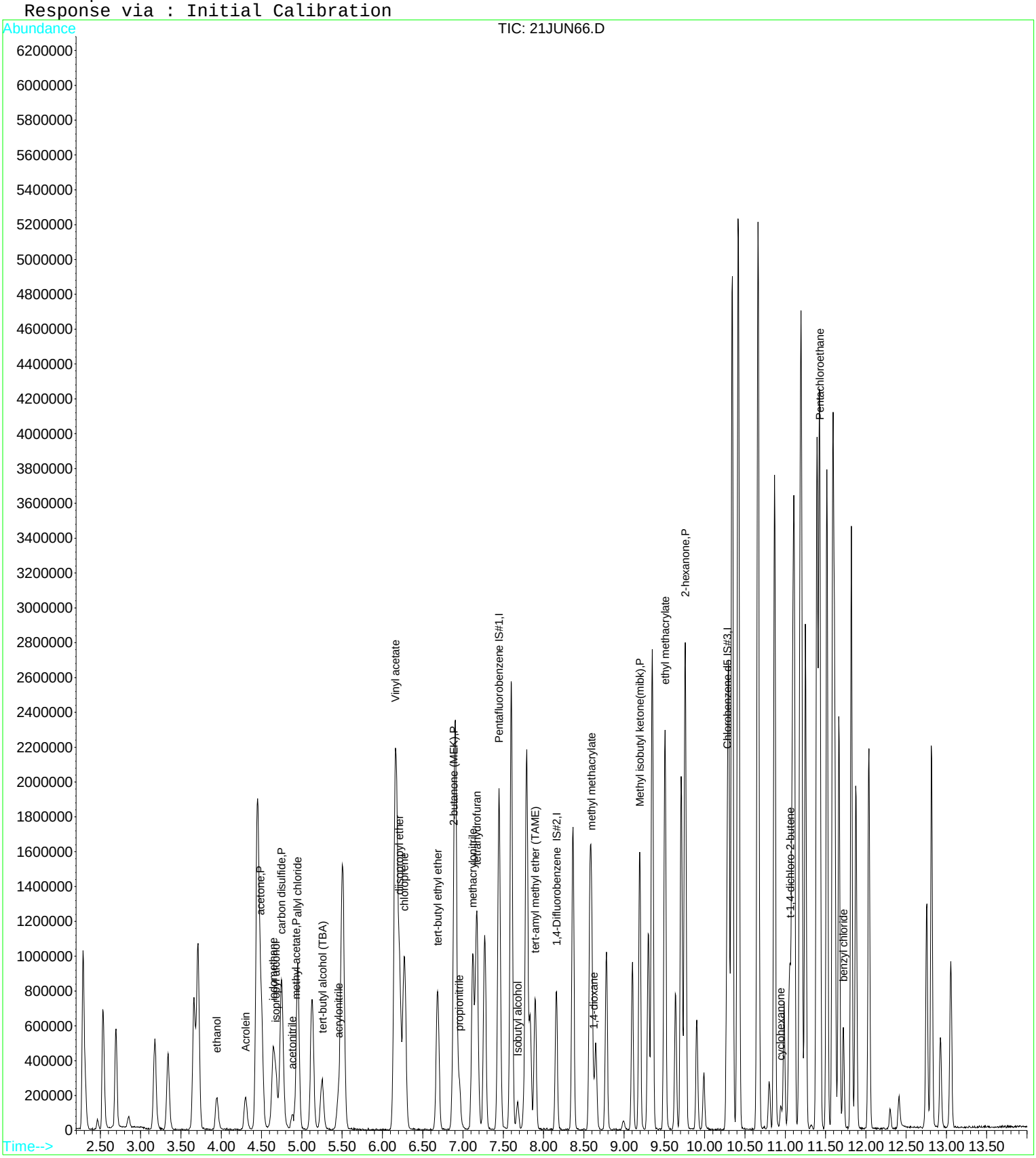
Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Pentafluorobenzene IS#1	7.45	137	75978	10.00	ug/L		0.00
29) 1,4-Difluorobenzene IS#2	8.16	63	159372	10.00	ug/L		0.00
36) Chlorobenzene d5 IS#3	10.28	119	155442	10.00	ug/L		0.00
Target Compounds							Qvalue
2) ethanol	3.94	45	273480	3710.71	ug/L		99
6) isopropyl alcohol	4.68	45	426723	1064.44	ug/L		82
7) Acrolein	4.30	56	259698	224.84	ug/L		98
8) acetone	4.49	43	934304	429.43	ug/L		96
9) tert-butyl alcohol (TBA)	5.25	59	483303	730.93	ug/L		100
10) acetonitrile	4.88	41	104060	122.01	ug/L	#	37
11) methyl acetate	4.92	43	35495	5.96	ug/L		90
12) allyl chloride	4.95	41	1515609	31.20	ug/L		97
13) iodomethane	4.65	142	709840	26.69	ug/L		94
14) acrylonitrile	5.45	53	215868	81.24	ug/L		95
15) carbon disulfide	4.75	76	1866283	31.13	ug/L		100
17) diisopropyl ether	6.21	87	254974	16.53	ug/L		98
18) Vinyl acetate	6.16	43	3952928	162.28	ug/L		98
19) chloroprene	6.28	53	1026470	33.84	ug/L		95
20) tert-butyl ethyl ether	6.69	59	908222	15.47	ug/L		99
21) 2-butanone (MEK)	6.88	43	540913	148.67	ug/L		100
22) propionitrile	6.96	54	359575	380.66	ug/L		97
23) Isobutyl alcohol	7.68	43	115010	386.82	ug/L		96
24) methacrylonitrile	7.12	67	435311	149.79	ug/L		91
26) tetrahydrofuran	7.18	42	742715	303.40	ug/L		96
28) tert-amyl methyl ether (TA	7.89	73	570581	14.75	ug/L		98
30) methyl methacrylate	8.60	69	417632	73.23	ug/L	#	20
32) 1,4-dioxane	8.63	88	83597	1830.66	ug/L		96
33) Methyl isobutyl ketone(mib	9.20	43	1207883	153.97	ug/L		95
34) ethyl methacrylate	9.51	69	900994	76.96	ug/L		99
35) 2-hexanone	9.76	43	1521621	304.30	ug/L		92
38) cyclohexanone	10.95	55	67960	174.28	ug/L		93
39) t-1,4-dichloro-2-butene	11.06	75	185331	93.23	ug/L		95
41) Pentachloroethane	11.43	167	183231	35.39	ug/L	#	83
42) benzyl chloride	11.72	91	416038	38.52	ug/L		97

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

Quantitation Report

Data File : D:\DATA\JUN2023C\JUN21\21JUN66.D Vial: 66
Acq On : 22 Jun 2023 7:57 am Operator: MGC
Sample : B168556-MSD1 Inst : MS-V5
Misc : 1 ;3F20001;25ML Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jun 22 12:03 2023 Quant Results File: 82605CX.RES

Method : C:\HPCHEM\1\METHODS\C\202306\19-1901\82605CX.M (RTE Integrator)
Title : EPA Method 8260C/DX
Last Update : Thu Jun 22 04:57:10 2023
Response via : Initial Calibration



Raw Data - Lab Control Sample

Quantitation Report (QT Reviewed)

Data File : D:\DATA\JUN2023C\JUN21\21JUN63.D Vial: 63
Acq On : 22 Jun 2023 6:45 am Operator: MGC
Sample : B168556-BS1 Inst : MS-V5
Misc : 1 ;3F20001;25ML Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jun 22 11:38 2023 Quant Results File: 82605C.RES

Quant Method : C:\HPCHEM\1...\82605C.M (RTE Integrator)
Title : EPA Method 8260C/D
Last Update : Thu Jun 22 11:15:56 2023
Response via : Initial Calibration
DataAcq Meth : 82605

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Pentafluorobenzene IS#1	7.46	137	55234	10.00	ug/L		0.00
26) 1,4-Difluorobenzene IS#2	8.16	63	122090	10.00	ug/L		0.00
41) Chlorobenzene d5 IS#3	10.28	119	117341	10.00	ug/L		0.00
System Monitoring Compounds							
23) 1,2-dichloroethane d4 SMC	7.76	65	146766	10.20	ug/L		0.00
Spiked Amount 10.000	Range 75 - 125		Recovery = 102.00%				
33) Toluene d8 SMC#2	9.30	98	506020	9.92	ug/L		0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 99.20%				
51) Bromofluorobenzene SMC#3	10.99	95	173933	10.16	ug/L		0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 101.60%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	2.29	85	695586	26.16	ug/L		96
3) Chlorodifluoromethane	2.31	51	289661	24.30	ug/L		91
4) Chloromethane	2.53	50	549904	24.16	ug/L		98
5) Vinyl chloride	2.70	62	383598	23.60	ug/L		98
6) Bromomethane	3.18	94	254578	24.52	ug/L		95
7) Chloroethane	3.34	64	341006	23.71	ug/L		98
8) Dichlorofluoromethane	3.66	67	717438	24.06	ug/L		98
9) Trichlorofluoromethane	3.71	101	854646	25.17	ug/L		98
10) 1,1,2-Trichloro-1,2,2-trif	4.46	101	383706	23.75	ug/L		98
11) 1,1-Dichloroethene	4.44	61	788714	24.96	ug/L		98
12) Methylene chloride	5.13	84	300647	23.26	ug/L		94
13) MTBE	5.49	73	615873	23.84	ug/L		99
14) T-1,2-dichloroethene	5.51	96	382338	23.67	ug/L		98
15) 1,1-Dichloroethane	6.17	63	832828	22.92	ug/L		98
16) 2,2-Dichloropropane	6.91	77	812075	25.20	ug/L		96
17) Cis-1,2-dichloroethene	6.90	96	392381	23.96	ug/L		96
18) Bromochloromethane	7.16	128	115568	22.60	ug/L		90
19) Chloroform	7.27	83	755569	24.63	ug/L		98
20) 1,1,1-Trichloroethane	7.44	97	806951	24.43	ug/L		92
21) 1,1-Dichloropropene	7.60	75	613179	25.05	ug/L		98
22) Carbon tetrachloride	7.60	119	642700	25.37	ug/L		99
24) 1,2-Dichloroethane	7.83	62	484250	24.61	ug/L		98
25) Benzene	7.79	78	1438827	23.00	ug/L		97
27) Trichloroethene	8.36	130	390937	22.77	ug/L		98
28) 1,2-Dichloropropane	8.58	63	403997	23.11	ug/L	#	35
29) Dibromomethane	8.65	93	135028	25.60	ug/L		97
30) Bromodichloromethane	8.78	83	483559	25.94	ug/L		95
31) 2-ceve	8.98	63	444649	97.17	ug/L		98
32) Cis-1,3-dichloropropene	9.10	75	503559	25.03	ug/L		99
34) Toluene	9.35	92	903890	24.29	ug/L		90
35) Trans-1,3-dichloropropene	9.50	75	378433	25.76	ug/L		100
36) 1,1,2-Trichloroethane	9.64	97	174888	24.67	ug/L		98
37) Tetrachloroethene (PCE)	9.71	166	390148	23.57	ug/L		97
38) 1,3-Dichloropropane	9.75	76	330996	24.11	ug/L		99
39) Dibromochloromethane	9.90	129	225494	26.41	ug/L		99
40) 1,2-Dibromoethane	9.99	107	163840	26.48	ug/L		93
42) Chlorobenzene	10.29	112	900421	23.98	ug/L		97
43) 1,1,1,2-Tetrachloroethane	10.34	131	325572	24.69	ug/L		100
44) Ethylbenzene	10.34	106	558696	24.14	ug/L		70
45) P+m-Xylene	10.42	106	1264802	47.39	ug/L		73
46) O-Xylene	10.66	106	622097	23.99	ug/L		88
47) Styrene	10.67	104	939337	25.23	ug/L		96
48) Bromoform	10.80	173	90606	23.25	ug/L		99
49) Isopropylbenzene	10.87	105	1725531	24.62	ug/L		88
50) 1,1,2,2-Tetrachloroethane	11.04	83	156123	23.80	ug/L		98

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

Quantitation Report (QT Reviewed)

Data File : D:\DATA\JUN2023C\JUN21\21JUN63.D Vial: 63
Acq On : 22 Jun 2023 6:45 am Operator: MGC
Sample : B168556-BS1 Inst : MS-V5
Misc : 1 ;3F20001;25ML Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jun 22 11:38 2023 Quant Results File: 82605C.RES

Quant Method : C:\HPCHEM\1...\82605C.M (RTE Integrator)
Title : EPA Method 8260C/D
Last Update : Thu Jun 22 11:15:56 2023
Response via : Initial Calibration
DataAcq Meth : 82605

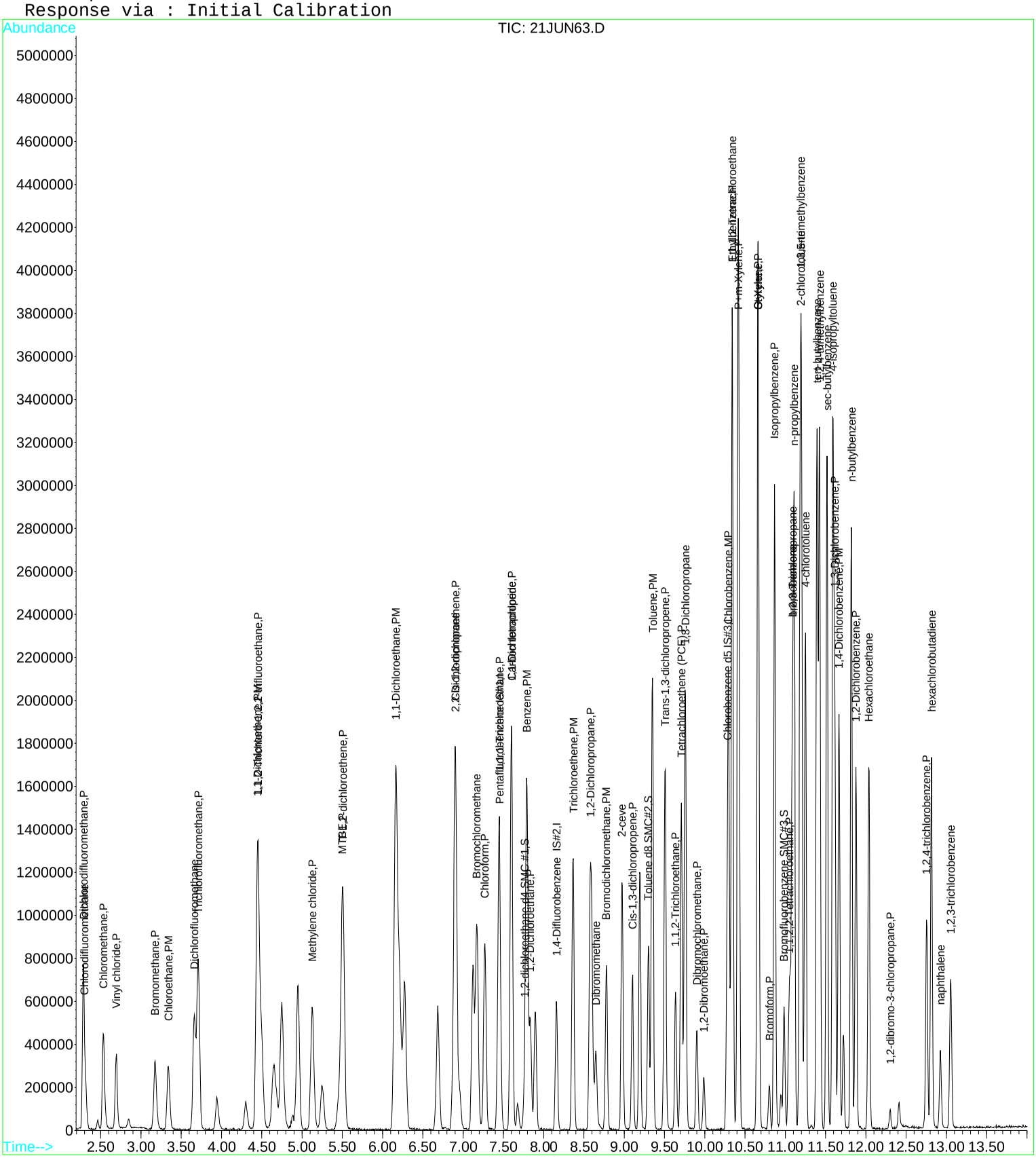
	Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
52)	1,2,3-Trichloropropane	11.09	110	51054	25.58	ug/L	97
53)	n-propylbenzene	11.11	91	1916043	25.36	ug/L	85
54)	bromobenzene	11.09	156	342438	24.98	ug/L	90
55)	1,3,5-trimethylbenzene	11.20	105	1457898	25.34	ug/L	89
56)	2-chlorotoluene	11.18	91	1436775	25.28	ug/L	93
57)	4-chlorotoluene	11.25	91	1280308	26.56	ug/L	92
58)	tert-butylbenzene	11.39	119	1594890	26.63	ug/L	91
59)	1,2,4-trimethylbenzene	11.42	105	1440299	26.38	ug/L	87
60)	sec-butylbenzene	11.52	105	1833576	24.60	ug/L	87
61)	4-isopropyltoluene	11.59	119	1537573	26.47	ug/L	89
62)	1,3-Dichlorobenzene	11.62	146	750088	26.93	ug/L	99
63)	1,4-Dichlorobenzene	11.67	146	730459	27.45	ug/L	97
64)	n-butylbenzene	11.82	91	1421861	28.94	ug/L	89
65)	1,2-Dichlorobenzene	11.88	146	633524	27.36	ug/L	99
66)	Hexachloroethane	12.04	117	261350	25.44	ug/L	95
67)	1,2-dibromo-3-chloropropan	12.30	75	27973	29.13	ug/L	93
68)	1,2,4-trichlorobenzene	12.76	180	300892	25.16	ug/L	98
69)	hexachlorobutadiene	12.81	225	339914	27.18	ug/L	98
70)	naphthalene	12.93	128	296171	24.59	ug/L	100
71)	1,2,3-trichlorobenzene	13.05	180	226371	25.54	ug/L	97

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

Quantitation Report

Data File : D:\DATA\JUN2023C\JUN21\21JUN63.D Vial: 63
Acq On : 22 Jun 2023 6:45 am Operator: MGC
Sample : B168556-BS1 Inst : MS-V5
Misc : 1 ;3F20001;25ML Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jun 22 11:38 2023 Quant Results File: 82605C.RES

Method : C:\HPCHEM\1\METHODS\C\202306\21-0902\82605C.M (RTE Integrator)
Title : EPA Method 8260C/D
Last Update : Thu Jun 22 11:15:56 2023
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : D:\DATA\JUN2023C\JUN21\21JUN63.D Vial: 63
Acq On : 22 Jun 2023 6:45 am Operator: MGC
Sample : B168556-BS1 Inst : MS-V5
Misc : 1 ;3F20001;25ML Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jun 22 12:00 2023 Quant Results File: 82605CX.RES

Quant Method : C:\HPCHEM\1...\82605CX.M (RTE Integrator)
Title : EPA Method 8260C/DX
Last Update : Thu Jun 22 04:57:10 2023
Response via : Initial Calibration
DataAcq Meth : 82605

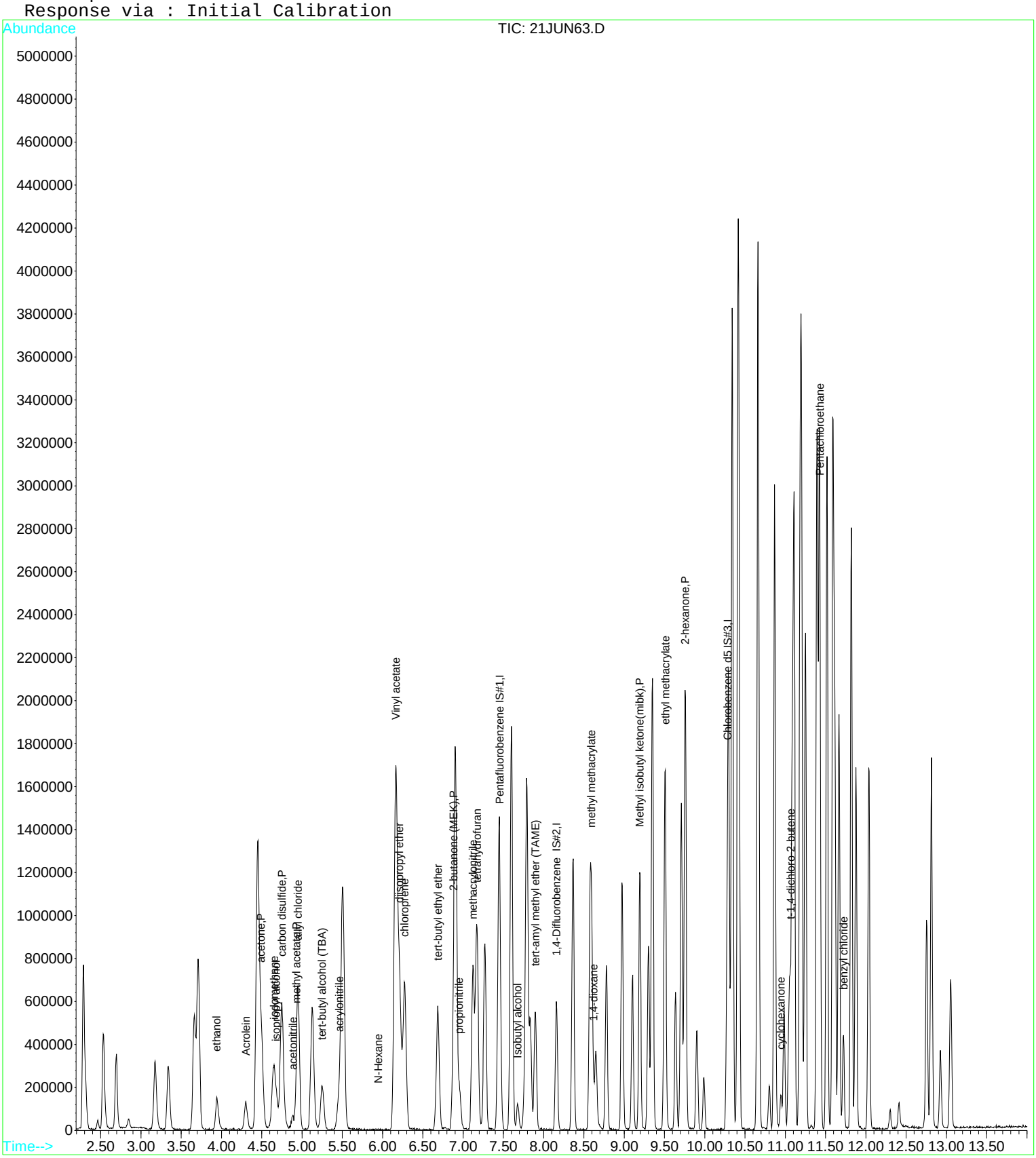
Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Pentafluorobenzene IS#1	7.46	137	55234	10.00	ug/L		0.00
29) 1,4-Difluorobenzene IS#2	8.16	63	122090	10.00	ug/L		0.00
36) Chlorobenzene d5 IS#3	10.28	119	117341	10.00	ug/L		0.00
Target Compounds							Qvalue
2) ethanol	3.95	45	213027	3976.01	ug/L		98
6) isopropyl alcohol	4.68	45	223359	766.41	ug/L	#	1
7) Acrolein	4.30	56	183070	218.03	ug/L		98
8) acetone	4.49	43	474036	299.70	ug/L		93
9) tert-butyl alcohol (TBA)	5.25	59	331190	688.99	ug/L		100
10) acetonitrile	4.89	41	87529	141.18	ug/L	#	56
11) methyl acetate	4.92	43	36104	8.33	ug/L		96
12) allyl chloride	4.95	41	1073665	30.40	ug/L		94
13) iodomethane	4.65	142	456622	23.70	ug/L		91
14) acrylonitrile	5.46	53	156390	80.96	ug/L		95
15) carbon disulfide	4.75	76	1249705	28.68	ug/L		99
16) N-Hexane	5.94	57	869	0.05	ug/L	#	48
17) diisopropyl ether	6.21	87	174374	15.55	ug/L		88
18) Vinyl acetate	6.16	43	3089454	174.46	ug/L		96
19) chloroprene	6.27	53	712209	32.30	ug/L		91
20) tert-butyl ethyl ether	6.69	59	630062	14.76	ug/L		97
21) 2-butanone (MEK)	6.88	43	409966	154.99	ug/L		97
22) propionitrile	6.95	54	254573	370.72	ug/L		99
23) Isobutyl alcohol	7.68	43	91706	424.28	ug/L		98
24) methacrylonitrile	7.13	67	306198	144.94	ug/L		83
26) tetrahydrofuran	7.18	42	564409	317.15	ug/L		93
28) tert-amyl methyl ether (TA	7.90	73	389903	13.86	ug/L		95
30) methyl methacrylate	8.60	69	297119	68.01	ug/L	#	1
32) 1,4-dioxane	8.62	88	67938	1942.06	ug/L		97
33) Methyl isobutyl ketone(mib	9.19	43	926442	154.15	ug/L		89
34) ethyl methacrylate	9.51	69	637874	71.12	ug/L		97
35) 2-hexanone	9.76	43	1192478	311.29	ug/L		86
38) cyclohexanone	10.94	55	78065	265.20	ug/L		91
39) t-1,4-dichloro-2-butene	11.06	75	148572	99.01	ug/L		92
41) Pentachloroethane	11.44	167	123025	31.48	ug/L	#	74
42) benzyl chloride	11.72	91	318815	39.10	ug/L		96

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

Quantitation Report

Data File : D:\DATA\JUN2023C\JUN21\21JUN63.D Vial: 63
Acq On : 22 Jun 2023 6:45 am Operator: MGC
Sample : B168556-BS1 Inst : MS-V5
Misc : 1 ;3F20001;25ML Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jun 22 12:00 2023 Quant Results File: 82605CX.RES

Method : C:\HPCHEM\1\METHODS\C\202306\19-1901\82605CX.M (RTE Integrator)
Title : EPA Method 8260C/DX
Last Update : Thu Jun 22 04:57:10 2023
Response via : Initial Calibration



Raw Data - Lab Control Sample Duplicate

Quantitation Report (QT Reviewed)

Data File : D:\DATA\JUN2023C\JUN21\21JUN64.D Vial: 64
Acq On : 22 Jun 2023 7:09 am Operator: MGC
Sample : B168556-BSD1 Inst : MS-V5
Misc : 1 ;3F20001;25ML Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jun 22 11:38 2023 Quant Results File: 82605C.RES

Quant Method : C:\HPCHEM\1...\82605C.M (RTE Integrator)
Title : EPA Method 8260C/D
Last Update : Thu Jun 22 11:15:56 2023
Response via : Initial Calibration
DataAcq Meth : 82605

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Pentafluorobenzene IS#1	7.46	137	58477	10.00	ug/L		0.00
26) 1,4-Difluorobenzene IS#2	8.16	63	131880	10.00	ug/L		0.00
41) Chlorobenzene d5 IS#3	10.28	119	127931	10.00	ug/L		0.00
System Monitoring Compounds							
23) 1,2-dichloroethane d4 SMC	7.76	65	158513	10.41	ug/L		0.00
Spiked Amount 10.000	Range 75 - 125		Recovery = 104.10%				
33) Toluene d8 SMC#2	9.30	98	564604	10.24	ug/L		0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 102.40%				
51) Bromofluorobenzene SMC#3	10.98	95	192322	10.30	ug/L		0.00
Spiked Amount 10.000	Range 80 - 120		Recovery = 103.00%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	2.29	85	846110	30.06	ug/L		97
3) Chlorodifluoromethane	2.31	51	349068	27.66	ug/L		90
4) Chloromethane	2.53	50	724849	30.08	ug/L		98
5) Vinyl chloride	2.69	62	510206	29.65	ug/L		100
6) Bromomethane	3.17	94	341103	31.03	ug/L		99
7) Chloroethane	3.34	64	407297	26.75	ug/L		98
8) Dichlorofluoromethane	3.66	67	827490	26.21	ug/L		98
9) Trichlorofluoromethane	3.71	101	1002559	27.89	ug/L		98
10) 1,1,2-Trichloro-1,2,2-trif	4.46	101	460301	26.92	ug/L		98
11) 1,1-Dichloroethene	4.44	61	927506	27.72	ug/L		99
12) Methylene chloride	5.13	84	350547	25.64	ug/L		98
13) MTBE	5.49	73	698274	25.53	ug/L		98
14) T-1,2-dichloroethene	5.51	96	454176	26.55	ug/L		99
15) 1,1-Dichloroethane	6.17	63	963013	25.03	ug/L		98
16) 2,2-Dichloropropane	6.90	77	927861	27.20	ug/L		97
17) Cis-1,2-dichloroethene	6.90	96	453823	26.17	ug/L		96
18) Bromochloromethane	7.17	128	130706	24.15	ug/L		94
19) Chloroform	7.27	83	863662	26.59	ug/L		97
20) 1,1,1-Trichloroethane	7.44	97	940632	26.90	ug/L		93
21) 1,1-Dichloropropene	7.60	75	732259	28.25	ug/L		98
22) Carbon tetrachloride	7.60	119	756969	28.22	ug/L		98
24) 1,2-Dichloroethane	7.84	62	548278	26.32	ug/L		99
25) Benzene	7.79	78	1647034	24.87	ug/L		97
27) Trichloroethene	8.36	130	465349	25.09	ug/L		99
28) 1,2-Dichloropropane	8.58	63	462446	24.49	ug/L	#	34
29) Dibromomethane	8.65	93	148491	26.06	ug/L		100
30) Bromodichloromethane	8.78	83	543635	27.00	ug/L		98
31) 2-ceve	8.97	63	501674	101.50	ug/L		100
32) Cis-1,3-dichloropropene	9.10	75	577645	26.58	ug/L		100
34) Toluene	9.35	92	1041450	25.91	ug/L		91
35) Trans-1,3-dichloropropene	9.50	75	425205	26.80	ug/L		100
36) 1,1,2-Trichloroethane	9.64	97	195910	25.59	ug/L		99
37) Tetrachloroethene (PCE)	9.71	166	485828	27.17	ug/L		98
38) 1,3-Dichloropropane	9.75	76	380298	25.64	ug/L		99
39) Dibromochloromethane	9.90	129	262512	28.46	ug/L		99
40) 1,2-Dibromoethane	9.99	107	180030	26.93	ug/L		99
42) Chlorobenzene	10.30	112	1043969	25.50	ug/L		95
43) 1,1,1,2-Tetrachloroethane	10.34	131	377868	26.28	ug/L		98
44) Ethylbenzene	10.34	106	638681	25.32	ug/L		72
45) P+m-Xylene	10.42	106	1446863	49.72	ug/L		78
46) O-Xylene	10.66	106	707376	25.02	ug/L		90
47) Styrene	10.66	104	1058227	26.07	ug/L		96
48) Bromoform	10.80	173	107290	24.97	ug/L		99
49) Isopropylbenzene	10.87	105	1926230	25.21	ug/L		89
50) 1,1,2,2-Tetrachloroethane	11.04	83	180705	25.27	ug/L		99

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

Quantitation Report (QT Reviewed)

Data File : D:\DATA\JUN2023C\JUN21\21JUN64.D Vial: 64
Acq On : 22 Jun 2023 7:09 am Operator: MGC
Sample : B168556-BSD1 Inst : MS-V5
Misc : 1 ;3F20001;25ML Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jun 22 11:38 2023 Quant Results File: 82605C.RES

Quant Method : C:\HPCHEM\1...\82605C.M (RTE Integrator)
Title : EPA Method 8260C/D
Last Update : Thu Jun 22 11:15:56 2023
Response via : Initial Calibration
DataAcq Meth : 82605

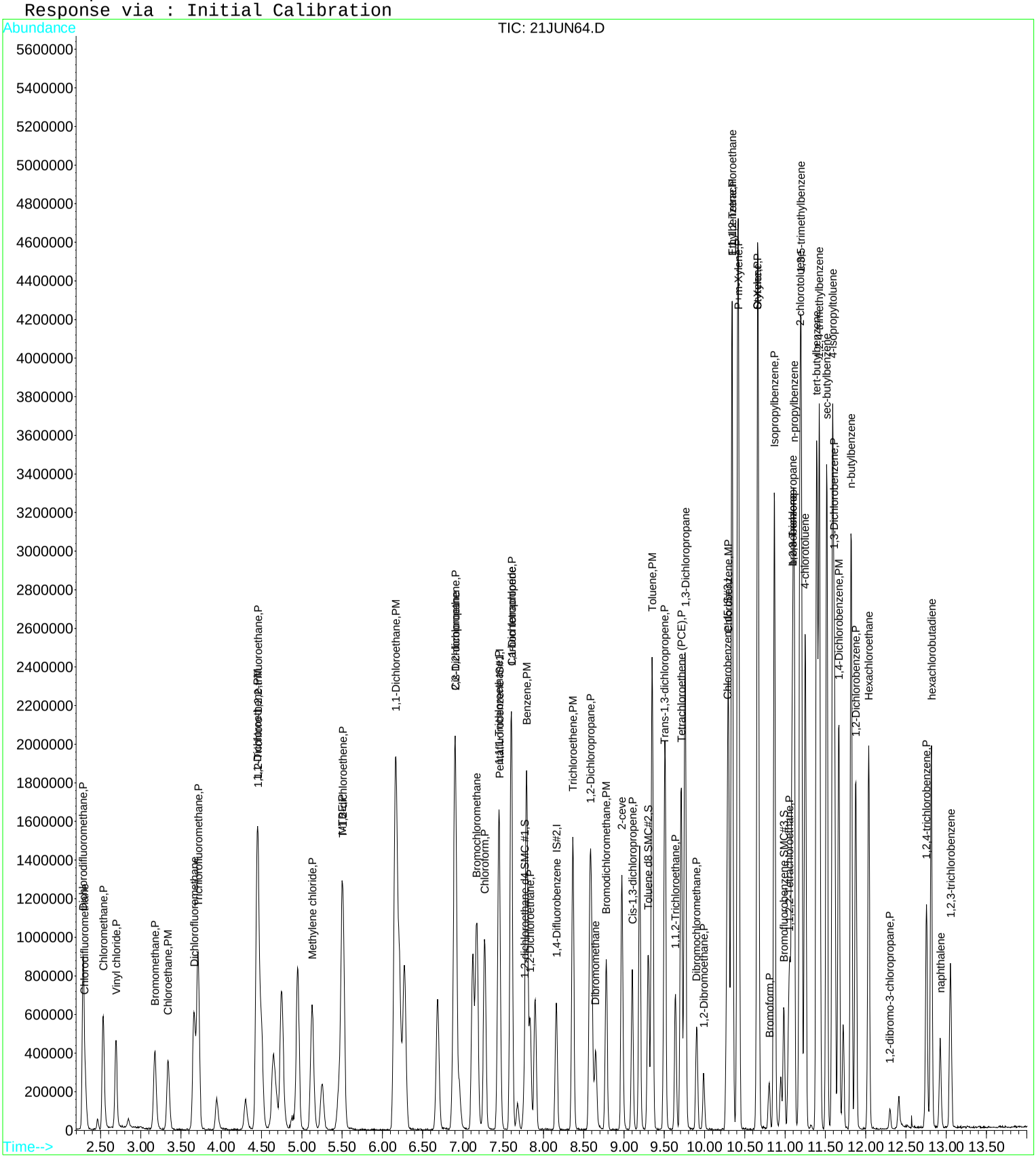
	Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
52)	1,2,3-Trichloropropane	11.09	110	55218	25.38	ug/L	94
53)	n-propylbenzene	11.11	91	2096205	25.47	ug/L	88
54)	bromobenzene	11.09	156	391219	26.18	ug/L	91
55)	1,3,5-trimethylbenzene	11.20	105	1632508	26.03	ug/L	91
56)	2-chlorotoluene	11.18	91	1597268	25.78	ug/L	96
57)	4-chlorotoluene	11.25	91	1445971	27.51	ug/L	92
58)	tert-butylbenzene	11.39	119	1785670	27.35	ug/L	91
59)	1,2,4-trimethylbenzene	11.42	105	1609583	27.04	ug/L	90
60)	sec-butylbenzene	11.52	105	2010473	24.74	ug/L	88
61)	4-isopropyltoluene	11.59	119	1702876	26.89	ug/L	90
62)	1,3-Dichlorobenzene	11.61	146	858965	28.28	ug/L	98
63)	1,4-Dichlorobenzene	11.67	146	805744	27.78	ug/L	98
64)	n-butylbenzene	11.82	91	1573577	29.38	ug/L	91
65)	1,2-Dichlorobenzene	11.88	146	713055	28.25	ug/L	98
66)	Hexachloroethane	12.04	117	307346	27.09	ug/L	95
67)	1,2-dibromo-3-chloropropan	12.30	75	29606	28.28	ug/L	97
68)	1,2,4-trichlorobenzene	12.75	180	360712	27.18	ug/L	99
69)	hexachlorobutadiene	12.82	225	403657	29.60	ug/L	99
70)	naphthalene	12.92	128	374923	27.63	ug/L	100
71)	1,2,3-trichlorobenzene	13.05	180	267604	27.14	ug/L	99

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

Quantitation Report

Data File : D:\DATA\JUN2023C\JUN21\21JUN64.D Vial: 64
Acq On : 22 Jun 2023 7:09 am Operator: MGC
Sample : B168556-BSD1 Inst : MS-V5
Misc : 1 ;3F20001;25ML Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jun 22 11:38 2023 Quant Results File: 82605C.RES

Method : C:\HPCHEM\1\METHODS\C\202306\21-0902\82605C.M (RTE Integrator)
Title : EPA Method 8260C/D
Last Update : Thu Jun 22 11:15:56 2023
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : D:\DATA\JUN2023C\JUN21\21JUN64.D Vial: 64
Acq On : 22 Jun 2023 7:09 am Operator: MGC
Sample : B168556-BSD1 Inst : MS-V5
Misc : 1 ;3F20001;25ML Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jun 22 12:01 2023 Quant Results File: 82605CX.RES

Quant Method : C:\HPCHEM\1...\82605CX.M (RTE Integrator)
Title : EPA Method 8260C/DX
Last Update : Thu Jun 22 04:57:10 2023
Response via : Initial Calibration
DataAcq Meth : 82605

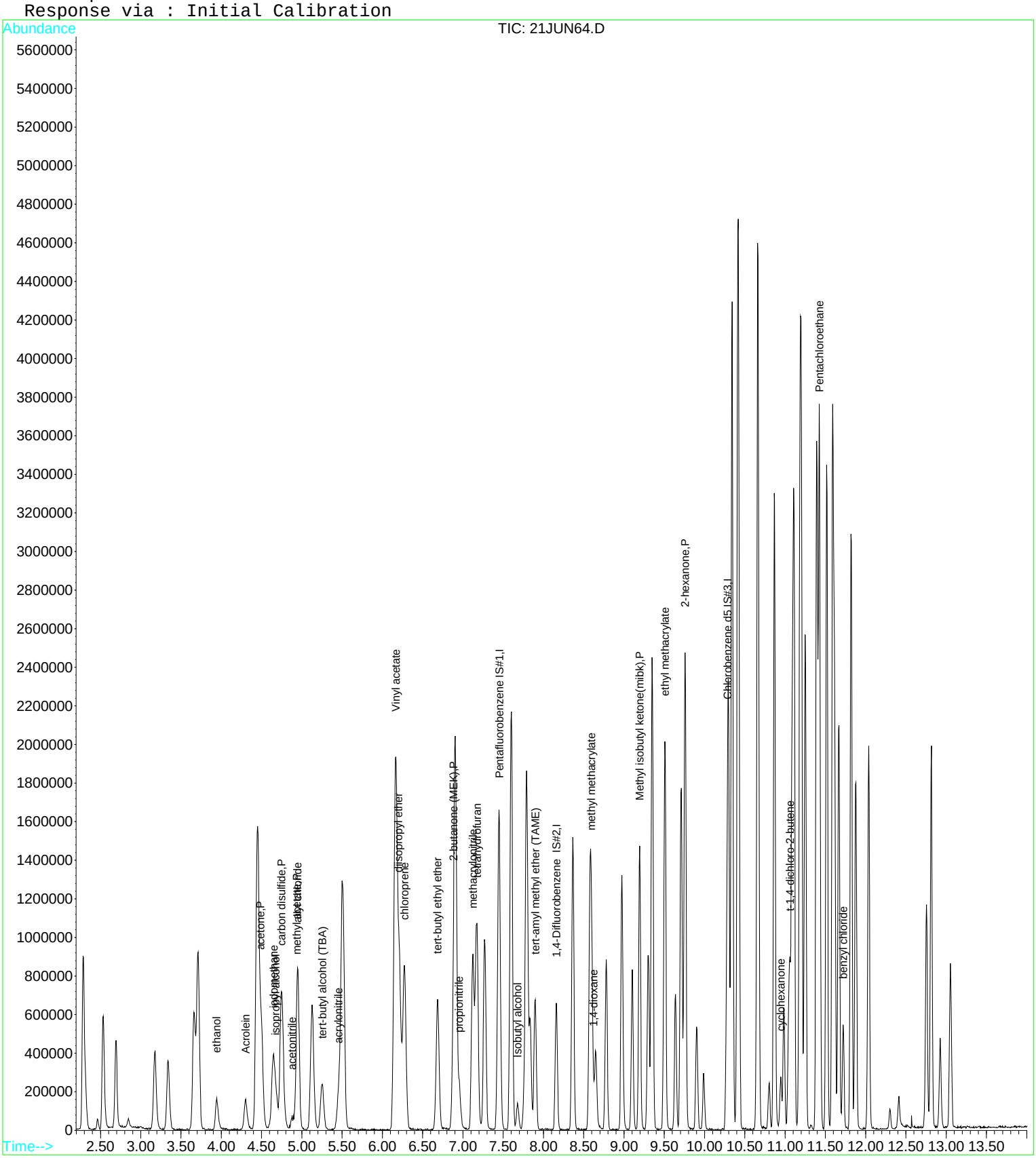
Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Pentafluorobenzene IS#1	7.46	137	58477	10.00	ug/L		0.00
29) 1,4-Difluorobenzene IS#2	8.16	63	131880	10.00	ug/L		0.00
36) Chlorobenzene d5 IS#3	10.28	119	127931	10.00	ug/L		0.00
Target Compounds							Qvalue
2) ethanol	3.94	45	231880	4087.87	ug/L		100
6) isopropyl alcohol	4.68	45	241026	781.16	ug/L		80
7) Acrolein	4.30	56	226563	254.86	ug/L		95
8) acetone	4.49	43	571364	341.21	ug/L		95
9) tert-butyl alcohol (TBA)	5.25	59	390271	766.87	ug/L		100
10) acetonitrile	4.88	41	88935	135.49	ug/L	#	77
11) methyl acetate	4.93	43	43684	9.53	ug/L		94
12) allyl chloride	4.95	41	1340199	35.85	ug/L		94
13) iodomethane	4.64	142	589814	28.76	ug/L		90
14) acrylonitrile	5.45	53	186293	91.10	ug/L		96
15) carbon disulfide	4.75	76	1572747	34.09	ug/L		99
17) diisopropyl ether	6.20	87	220984	18.61	ug/L		95
18) Vinyl acetate	6.16	43	3567747	190.30	ug/L		96
19) chloroprene	6.27	53	883086	37.83	ug/L		93
20) tert-butyl ethyl ether	6.68	59	768927	17.02	ug/L		98
21) 2-butanone (MEK)	6.88	43	478212	170.77	ug/L		98
22) propionitrile	6.96	54	304041	418.20	ug/L		98
23) Isobutyl alcohol	7.68	43	103618	452.81	ug/L		97
24) methacrylonitrile	7.12	67	373470	166.98	ug/L		86
26) tetrahydrofuran	7.18	42	663647	352.24	ug/L		94
28) tert-amyl methyl ether (TA	7.90	73	490644	16.48	ug/L		99
30) methyl methacrylate	8.60	69	365440	77.43	ug/L	#	14
32) 1,4-dioxane	8.63	88	71967	1904.51	ug/L		97
33) Methyl isobutyl ketone(mib	9.19	43	1099330	169.34	ug/L		91
34) ethyl methacrylate	9.51	69	770138	79.49	ug/L		98
35) 2-hexanone	9.76	43	1399550	338.23	ug/L		89
38) cyclohexanone	10.95	55	121699	379.20	ug/L		97
39) t-1,4-dichloro-2-butene	11.06	75	195718	119.63	ug/L		83
41) Pentachloroethane	11.43	167	140935	33.08	ug/L	#	77
42) benzyl chloride	11.72	91	376931	42.40	ug/L		99

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

Quantitation Report

Data File : D:\DATA\JUN2023C\JUN21\21JUN64.D Vial: 64
Acq On : 22 Jun 2023 7:09 am Operator: MGC
Sample : B168556-BSD1 Inst : MS-V5
Misc : 1 ;3F20001;25ML Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jun 22 12:01 2023 Quant Results File: 82605CX.RES

Method : C:\HPCHEM\1\METHODS\C\202306\19-1901\82605CX.M (RTE Integrator)
Title : EPA Method 8260C/DX
Last Update : Thu Jun 22 04:57:10 2023
Response via : Initial Calibration



Raw Data - Batch Information

Pace Analytical Bakersfield, CA

PREPARATION BENCH SHEET

B168556

Pace Analytical - Bakersfield

Printed: 7/10/2023 3:19:04PM

Matrix: Water | Prepared using: Volatiles - GC/MS - EPA 5030 Water MS | SurrogateUsed: 3D24043

Lab Number	Analysis	Prepared	By	Initial (ml)	Final (ml)	Spike ID	Source ID	ul Spike	ul Surrogate	% Solids
2311827-01 A	8260C_w_Full QC Navy	6/21/2023 11:46AM	MGC	25	25				2	
2311827-02 A	8260C_w_Full QC Navy	6/21/2023 11:46AM	MGC	25	25				2	
2311827-03 A	8260C_w_Full QC Navy	6/21/2023 11:46AM	MGC	25	25				2	
2311827-04 A	8260C_w_Full QC Navy	6/21/2023 11:46AM	MGC	25	25				2	
2311827-05 D	8260C_w_Full QC Navy	6/21/2023 11:46AM	MGC	25	25				2	
2311827-06 A	8260C_w_Full QC Navy	6/21/2023 11:46AM	MGC	25	25				2	
2311827-07 A	8260C_w_Full QC Navy	6/21/2023 11:46AM	MGC	25	25				2	
2311827-08 A	8260C_w_Full QC Navy	6/21/2023 11:46AM	MGC	25	25				2	
2311827-08RE1 B	8260C_w_Full QC Navy	6/21/2023 11:46AM	MGC	25	25				2	
2311827-09 A	8260C_w_Full QC Navy	6/21/2023 11:46AM	MGC	25	25				2	
2311827-10 A	8260C_w_Full QC Navy	6/21/2023 11:46AM	MGC	25	25				2	
2311827-10RE1 B	8260C_w_Full QC Navy	6/21/2023 11:46AM	MGC	25	25				2	
2311827-11 A	8260C_w_Full QC Navy	6/21/2023 11:46AM	MGC	25	25				2	
2311827-12 A	8260C_w_Full QC Navy	6/21/2023 11:46AM	MGC	25	25				2	
B168556-BLK1	QC	6/21/2023 11:46AM	MGC	25	25				2	
B168556-BS1	QC	6/21/2023 11:46AM	MGC	25	25	3F20001		12.5	2	
B168556-BSD1	QC	6/21/2023 11:46AM	MGC	25	25	3F20001		12.5	2	
B168556-MS1	QC	6/21/2023 11:46AM	MGC	25	25	3F20001	2311827-05	12.5	2	
B168556-MSD1	QC	6/21/2023 11:46AM	MGC	25	25	3F20001	2311827-05	12.5	2	

Surrogate Mixes	Description	Solvent	Prepared	Expires
3D24043	8260 V5 WORK SURR. STD BATCH	Methanol VRL-18-7082	4/24/2023 5 by Miguel Chavez	7/24/2023
3F20001	8260 V5 I SPIKE COMBO	meoh	6/20/2023 7 by Miguel Chavez	9/20/2023

Raw Data - Sequence Information

Pace Analytical Bakersfield, CA

ANALYSIS SEQUENCE

2309240

Instrument: MS-V5
Calibration ID: 2306027
Sequence Date: 06/19/2023
Printed: 7/10/2023 3:19:04PM

Lab Number	Analysis	Container	Order	Position	STD ID	ISTD ID	Comments
2309240-TUN1	QC		1		3D05001		
2309240-CAL1	QC		2		3F21001		
2309240-CAL2	QC		3		3F21002		
2309240-CAL3	QC		4		3F21003		
2309240-CAL4	QC		5		3F21004		
2309240-CAL5	QC		6		3F21005		
2309240-CAL6	QC		7		3F21006		
2309240-TUN2	QC		8		3D05001		
2309240-CAL7	QC		9		3F19028		
2309240-CAL8	QC		10		3F19029		
2309240-CAL9	QC		11		3F19030		
2309240-CALA	QC		12		3F19031		
2309240-CALB	QC		13		3F19032		
2309240-CALC	QC		14		3F19033		

Pace Analytical ENVIRONMENTAL SCIENCES Bakersfield, CA

ANALYSIS SEQUENCE

2309244

Instrument: MS-V5
Calibration ID: 2306027
Sequence Date: 06/21/2023
Printed: 7/10/2023 3:19:04PM

Lab Number	Analysis	Container	Order	Position	STD ID	ISTD ID	Comments
2309244-ICV1	QC		1		3F21007		
2309244-ICB1	QC		2		3D24053		
2309244-ICV2	QC		3		3F19034		
2309244-ICB2	QC		4		3D24053		
2309244-TUN1	QC		5		3C29018		
2309244-CCV1	QC		6		3F13043		
2309244-CCV2	QC		7		3F13044		
2309244-CCB1	QC		8		3D24053		
B168556-BLK1	QC		9			3D24042	
2311827-05	8260C_w_Full QC Navy	D	10			3D24042	
2311827-01	8260C_w_Full QC Navy	A	11			3D24042	
2311827-02	8260C_w_Full QC Navy	A	12			3D24042	
2311827-03	8260C_w_Full QC Navy	A	13			3D24042	
2311827-04	8260C_w_Full QC Navy	A	14			3D24042	
2311827-06	8260C_w_Full QC Navy	A	15			3D24042	
2311827-07	8260C_w_Full QC Navy	A	16			3D24042	
2311827-08	8260C_w_Full QC Navy	A	17			3D24042	
2311827-09	8260C_w_Full QC Navy	A	18			3D24042	
2311827-10	8260C_w_Full QC Navy	A	19			3D24042	
2311827-11	8260C_w_Full QC Navy	A	20			3D24042	
2311827-12	8260C_w_Full QC Navy	A	21			3D24042	
2311827-08RE1	8260C_w_Full QC Navy	B	22			3D24042	
2311827-10RE1	8260C_w_Full QC Navy	B	23			3D24042	
B168556-BS1	QC		24			3D24042	
B168556-BSD1	QC		25			3D24042	
B168556-MS1	QC		26			3D24042	
B168556-MSD1	QC		27			3D24042	
2309244-TUN2	QC		28		3C29018		
2309244-CCV3	QC		29		3F13043		
2309244-CCV4	QC		30		3F13044		
2309244-CCB2	QC		31		3D24053		

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

Reported: 7/10/2023 3:19:04PM
Project: Former USDB Lompoc
Project Number: 21044.006.01.000
Project Manager: Sommer Carter

Notes and Definitions

B	Blank contamination. The analyte is greater than 1/2 the PQL/LOQ/CRQL in the associated method blank.
D	The reported value is from a dilution.
E	The analyte concentration exceeds the upper limit of the calibration range of the instrument established by the initial calibration.
J	The reported value is an estimated value. Results are between the MDL and PQL/LOQ/CRQL.
U	The analyte was not detected and is reported as less than the LOD/MDL or as defined by the client.

Attachment 2. Data Validation Report

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

AHTNA
2255 Contra Costa Blvd, Suite 312
Pleasant Hill, CA 94523
ATTN: Teri Farrell-Bage
tbage@ahtna.net

August 2, 2023

SUBJECT: USDB Lompoc - Data Validation

Dear Ms. Bage,

Enclosed are the final validation reports for the fraction listed below. This SDG was received on July 11, 2023. Attachment 1 is a summary of the samples that were reviewed for each analysis.

LDC Project #57061:

SDG #	**Fraction**
2311827	Volatiles

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

- Quality Assurance Project Plan/Work Plan, Environmental Long-Term Monitoring and Inspection, Former U.S. Disciplinary Barracks, Lompoc, California (November 2021)
- U.S. Department of Defense (DoD) Quality Systems Manual (QSM) for 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
pgeng@lab-data.com
Project Manager/Senior Chemist

ADR/Stage 4 90/10

LDC# 57061 (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	2311827	07/11/23	08/01/23	11	0																																
A	2311827	07/11/23	08/01/23	1	0																																
Total	TR/PG			12	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	12

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

LDC Report# 57061

Automated Data Review Data Validation Report
USDB Lompoc

Sample Delivery Group(s)

2311827

July 31, 2023

Introduction

This Data Validation Report (DVR) presents data validation findings and results for the associated samples collected during the June 2023 sampling period. Data validation was performed in accordance with the Quality Assurance Project Plan/Work Plan, Environmental Long-Term Monitoring and Inspection, Former U.S. Disciplinary Barracks, Lompoc, California (November 2021), the U.S. Department of Defense (DoD) Quality Systems Manual (QSM) for Environmental Laboratories, Version 5.3 (2019), U.S. DoD General Validation Guidelines (November 2019), and the U.S. Department of Defense (DoD) Data Validation Guidelines Module 1: Data Validation Procedure for Organic Analysis by GC/MS (May 2020). Where specific guidance was not available, the data has been evaluated in a conservative manner consistent with industry standards using professional experience.

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

Volatile Organic Compounds (VOCs) by Environmental Protection Agency (EPA) SW 846 Method 8260C

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

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

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

J+ (Estimated, High Bias): The result was an estimated quantity, but the result may be biased high.

J- (Estimated, Low Bias): The result was an estimated quantity, but the result may be biased low.

J (Estimated, Bias Indeterminate): The reported result was an estimated value with an unknown bias.

U (Non-detected): The analyte was analyzed for and positively identified by the laboratory; however the analyte should be considered non-detected due to the presence of contaminants detected in the associated blank(s).

UJ (Non-detected estimated): The analyte was not detected and the associated numerical value is approximate.

X (Exclusion of data recommended): The sample results (including non-detects) were affected by serious deficiencies in the ability to analyze the sample and to meet published method and project quality control criteria. The presence or absence of the analyte cannot be substantiated by the data provided. Exclusion of the data is recommended.

NA (Not Applicable): The non-conformance discovered during data validation demonstrates a high bias, while the affected analyte in the associated sample(s) was reported as not detected by the laboratory and did not warrant the qualification of the data.

A qualification summary table is provided at the end of this report if data has been qualified. Flags are classified as P (protocol) or A (advisory) to indicate whether the flag is due to a laboratory deviation from a specified protocol or is of technical advisory nature.

Sample Receipt & Technical Holding Times

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

All technical holding time requirements were met.

GC/MS Instrument Performance Check

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

All ion abundance requirements were met.

Initial Calibration and Initial Calibration Verification

An initial calibration was performed as required by the method.

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.

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

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

Laboratory Blanks

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

Field Blanks

One trip blank was collected and analyzed. 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 with the exception of one MS/MSD pair for acetone. No data were qualified due to high RPDs when the associated results were non-detected. The details regarding the qualification of data are presented in Enclosure I.

Laboratory Control Samples

Laboratory control samples (LCS) and laboratory control sample duplicates (LCSD) were analyzed as required by the methods. Percent recoveries (%R) and relative percent differences (RPD) were within QC limits with the exception of one LCS/LCSD pair for chloromethane and vinyl chloride. The associated sample results were qualified as detected estimated (J) as applicable. No data were qualified due to high RPDs when the associated results were non-detected. The details regarding the qualification of data are presented in Enclosure I.

Field Duplicates

One field duplicate pair was collected and analyzed. All RPDs and absolute differences were within QC limits with the exception of one duplicate pair for tetrachloroethene and acetone. The associated sample results were qualified as detected estimated (J). The field duplicate result comparisons are presented in Enclosure I.

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 LCS/LCSD RPD, data were qualified as estimated in two samples.

Due to field duplicate RPD and difference, data were qualified as estimated in two sample.

Due to results below the LOQ, data were qualified as estimated in six samples.

Data flags are summarized and are presented as Attachment 2.

Attachment 1

Sample Cross Reference

Sample Cross Reference

Date Collected	Field Sample ID	Lab Sample ID	Sample Type	Prep Method	Analytical Method	Review Level
15-Jun-2023	MW04A-0623-N	2311827-03	N	5030	8260C	Stage 4
15-Jun-2023	MW10A-0623-T	2311827-12	TB	5030	8260C	Stage 2B
15-Jun-2023	MW10A-0623-N	2311827-07	N	5030	8260C	Stage 2B
15-Jun-2023	MW11A-0623-N	2311827-08	N	5030	8260C	Stage 2B
15-Jun-2023	MW05A-0623-N	2311827-04	N	5030	8260C	Stage 2B
15-Jun-2023	MW12A-0623-N	2311827-09	N	5030	8260C	Stage 2B
15-Jun-2023	MW12A-0623-D	2311827-10	FD	5030	8260C	Stage 2B
15-Jun-2023	MW09A-0623-N	2311827-06	N	5030	8260C	Stage 2B
15-Jun-2023	MW08A-0623-N	2311827-05	N	5030	8260C	Stage 2B
15-Jun-2023	MW08A-0623-NMS	B168556-MS1	MS	5030	8260C	Stage 2B
15-Jun-2023	MW08A-0623-NMSD	B168556-MSD1	MSD	5030	8260C	Stage 2B
15-Jun-2023	MW02-0623-N	2311827-02	N	5030	8260C	Stage 2B
15-Jun-2023	MW01-0623-N	2311827-01	N	5030	8260C	Stage 2B
15-Jun-2023	MW01A-0623-FB	2311827-11	FB	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: 2311827 **Laboratory: BC Labs**

EDD Filename: PrepEDD_2311827_ADR_ **eQAPP Name: AHTNA_Lompoc_211124**

Method Category: VOA

Method: 8260C **Matrix:** AQ

Sample ID: MW05A-0623-N **Collected:** 6/15/2023 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
TRANS-1,2-DICHLOROETHENE	0.16	J	0.16	LOD	0.50	LOQ	ug/L	J	RI
VINYL CHLORIDE	0.52		0.16	LOD	0.50	LOQ	ug/L	J	Lcs
TETRACHLOROETHENE	0.16	J	0.30	LOD	0.50	LOQ	ug/L	J	RI

Sample ID: MW09A-0623-N **Collected:** 6/15/2023 9:13:00 AM **Analysis Type:** RES **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
TETRACHLOROETHENE	0.30	J	0.30	LOD	0.50	LOQ	ug/L	J	RI
TRICHLOROETHENE	0.17	J	0.16	LOD	0.50	LOQ	ug/L	J	RI
VINYL CHLORIDE	0.21	J	0.16	LOD	0.50	LOQ	ug/L	J	RI, Lcs

Sample ID: MW10A-0623-N **Collected:** 6/15/2023 8:05:00 AM **Analysis Type:** RES **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
TRANS-1,2-DICHLOROETHENE	0.060	J	0.16	LOD	0.50	LOQ	ug/L	J	RI

Sample ID: MW11A-0623-N **Collected:** 6/15/2023 8:20:00 AM **Analysis Type:** RES **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
TRICHLOROETHENE	0.080	J	0.16	LOD	0.50	LOQ	ug/L	J	RI

Sample ID: MW12A-0623-D **Collected:** 6/15/2023 8:55:00 AM **Analysis Type:** RE **Dilution:** 5

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ACETONE	1000	D	40	LOD	50	LOQ	ug/L	J	Fd

Sample ID: MW12A-0623-D **Collected:** 6/15/2023 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
TETRACHLOROETHENE	2.5		0.30	LOD	0.50	LOQ	ug/L	J	Fd
TRANS-1,2-DICHLOROETHENE	0.080	J	0.16	LOD	0.50	LOQ	ug/L	J	RI
TRICHLOROETHENE	0.48	J	0.16	LOD	0.50	LOQ	ug/L	J	RI

* denotes a non-reportable result

Project Name and Number: 2311827 - Lompoc

Data Qualifier Summary

Lab Reporting Batch ID: 2311827 **Laboratory: BC Labs**

EDD Filename: PrepEDD_2311827_ADR_ **eQAPP Name: AHTNA_Lompoc_211124**

Method Category: VOA

Method: 8260C ***Matrix:*** AQ

Sample ID: MW12A-0623-N ***Collected:*** 6/15/2023 8:52:00 AM ***Analysis Type:*** RES ***Dilution:*** 1

Analyte	*Lab Result*	*Lab Qual*	*DL*	*DL Type*	*RL*	*RL Type*	*Units*	*Data Review Qual*	*Reason Code*
ACETONE	230		8.0	LOD	10	LOQ	ug/L	J	Fd
TETRACHLOROETHENE	1.9		0.30	LOD	0.50	LOQ	ug/L	J	Fd
TRANS-1,2-DICHLOROETHENE	0.070	J	0.16	LOD	0.50	LOQ	ug/L	J	RI

* denotes a non-reportable result

Project Name and Number: 2311827 - Lompoc

Data Qualifier Summary

Lab Reporting Batch ID: 2311827 **Laboratory: BC Labs**

EDD Filename: PrepEDD_2311827_ADR_ **eQAPP Name: AHTNA_Lompoc_211124**

Reason Code Legend

Reason Code	*Description*
Fd	Field Duplicate Precision
Lcs	Laboratory Control Precision
Ms	Matrix Spike Precision
Rl	Reporting Limit Trace Value

* denotes a non-reportable result

Project Name and Number: 2311827 - Lompoc

Enclosure I

Validation Outlier Reports

Quality Control Outlier Reports

2311827

Matrix Spike/Matrix Spike Duplicate Outlier Report

Lab Reporting Batch ID: 2311827 **Laboratory: BC Labs**

EDD Filename: EDD_2311827_ADR_ **eQAPP Name: AHTNA_Lompoc_211124**

Method: **8260C**
Matrix: **AQ**

QC Sample ID (Associated Samples)	*Compound*	*MS %R*	*MSD %R*	*%R Limits*	*RPD (Limits)*	*Affected Compounds*	*Flag*
MW08A-0623-NMSD (MW08A-0623-N)	ACETONE	-	-	39.00-160.00	31.9 (30.00)	ACETONE	J (all detects)

Project Name and Number: 2311827 - Lompoc

Lab Control Spike/Lab Control Spike Duplicate Outlier Report

Lab Reporting Batch ID: 2311827 **Laboratory: BC Labs**

EDD Filename: EDD_2311827_ADR_ **eQAPP Name: AHTNA_Lompoc_211124**

Method: **8260C**
Matrix: **AQ**

QC Sample ID (Associated Samples)	*Compound*	*LCS %R*	*LCSD %R*	*%R Limits*	*RPD (Limits)*	*Affected Compounds*	*Flag*
B168556-BSD1	CHLOROMETHANE	-	-	50.00-139.00	21.8 (20.00)	CHLOROMETHANE	
(MW01-0623-N	VINYL CHLORIDE	-	-	58.00-137.00	22.7 (20.00)	VINYL CHLORIDE	
MW01A-0623-FB							
MW02-0623-N							
MW04A-0623-N							
MW05A-0623-N							
MW08A-0623-N							J (all detects)
MW09A-0623-N							
MW10A-0623-N							
MW10A-0623-T							
MW11A-0623-N							
MW12A-0623-D							
MW12A-0623-N)							

Field Duplicate RPD Report

Lab Reporting Batch ID: 2311827 **Laboratory: BC Labs**

EDD Filename: EDD_2311827_ADR_ **eQAPP Name: AHTNA_Lompoc_211124**

Method: 8260C
Matrix: AQ

Analyte	*Concentration (ug/L)*		*Sample RPD*	*eQAPP RPD*	*Flag*
	MW12A-0623-N	**MW12A-0623-D**			
ACETONE	230	1000	125	30.00	
CIS-1,2-DICHLOROETHENE	7.8	6.4	20	30.00	
TETRACHLOROETHENE	1.9	2.5	27	30.00	No Qualifiers Applied
TRANS-1,2-DICHLOROETHENE	0.070	0.080	13	30.00	
TRICHLOROETHENE	0.53	0.48	10	30.00	

Project Name and Number: 2311827 - Lompoc

Reporting Limit Outliers

Lab Reporting Batch ID: 2311827 **Laboratory: BC Labs**

EDD Filename: EDD_2311827_ADR_ **eQAPP Name: AHTNA_Lompoc_211124**

Method: **8260C**

Matrix: **AQ**

SampleID	*Analyte*	*Lab Qual*	*Result*	*Reporting Limit*	*RL Type*	*Units*	*Flag*
MW05A-0623-N	TETRACHLOROETHENE	J	0.16	0.50	LOQ	ug/L	J (all detects)
	TRANS-1,2-DICHLOROETHENE	J	0.16	0.50	LOQ	ug/L	
MW09A-0623-N	TETRACHLOROETHENE	J	0.30	0.50	LOQ	ug/L	J (all detects)
	TRICHLOROETHENE	J	0.17	0.50	LOQ	ug/L	
	VINYL CHLORIDE	J	0.21	0.50	LOQ	ug/L	
MW10A-0623-N	TRANS-1,2-DICHLOROETHENE	J	0.060	0.50	LOQ	ug/L	J (all detects)
MW11A-0623-N	TRICHLOROETHENE	J	0.080	0.50	LOQ	ug/L	J (all detects)
MW12A-0623-D	TRANS-1,2-DICHLOROETHENE	J	0.080	0.50	LOQ	ug/L	J (all detects)
	TRICHLOROETHENE	J	0.48	0.50	LOQ	ug/L	
MW12A-0623-N	TRANS-1,2-DICHLOROETHENE	J	0.070	0.50	LOQ	ug/L	J (all detects)

LDC #: 57061A1a **VALIDATION COMPLETENESS WORKSHEET** Date: 7/5/23
SDG #: 2311827 ADR/Stage 4 Page: 1 of 1
Laboratory: Pace Analytical Environmental Sciences, Bakersfield, CA Reviewer: Q
2nd Reviewer:

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

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

	Validation Area		Comments
I.	Sample receipt/Technical holding times	A	
II.	GC/MS Instrument performance check	A	
III.	Initial calibration/ICV	A+A	RSD ≤ 15%. r^2 ICV ≤ 20%
IV.	Continuing calibration	A	D ≤ 20/50%
V.	Laboratory Blanks	A	
VI.	Field blanks	ND	FB = 11. TB = 12
VII.	Surrogate spikes	A	
VIII.	Matrix spike/Matrix spike duplicates	SW	F: RPD out - NR -AOR
IX.	Laboratory control samples	SW	RPD out - #4,6 for C - lab/A-AOR
X.	Field duplicates	SW	D = 9+10
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 ND = No compounds detected D = Duplicate SB=Source blank
N = Not provided/applicable R = Rinsate TB = Trip blank OTHER:
SW = See worksheet FB = Field blank EB = Equipment blank
** Indicates sample underwent Stage 4 validation

	Client ID	Lab ID	Matrix	Date
1	MW01-0623-N	2311827-01	Water	06/15/23
2	MW02-0623-N	2311827-02	Water	06/15/23
3	MW04A-0623-N**	2311827-03**	Water	06/15/23
4	MW05A-0623-N	2311827-04	Water	06/15/23
5	MW08A-0623-N	2311827-05	Water	06/15/23
6	MW09A-0623-N	2311827-06	Water	06/15/23
7	MW10A-0623-N	2311827-07	Water	06/15/23
8	MW11A-0623-N (F)	2311827-08	Water	06/15/23
9	MW12A-0623-N	2311827-09	Water	06/15/23
10	MW12A-0623-D (F)	2311827-10	Water	06/15/23
11	MW01A-0623-FB	2311827-11	Water	06/15/23
12	MW10A-0623-T	2311827-12	Water	06/15/23
13	MW08A-0623-NMS	2311827-05MS	Water	06/15/23
14	MW08A-0623-NMSD	2311827-05MSD	Water	06/15/23
15	B168556			

LDC #: 5706A19

VALIDATION FINDINGS CHECKLIST

Page: 1 of 2
Reviewer: 9

Method: Volatiles (EPA SW 846 Method 8260B)

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?	✓			
IIIa. Initial calibration				
Did the laboratory perform a 5 point calibration prior to sample analysis?	✓			
Were all percent relative standard deviations (%RSD) and relative response factors (RRF) within method criteria for all CCCs and SPCCs?	✓			
Was a curve fit used for evaluation? If yes, did the initial calibration meet the curve fit acceptance criteria of ≥ 0.990?	✓			
Were all percent relative standard deviations (%RSD) ≤ 30%/15% and relative response factors (RRF) ≥ 0.05?	✓			
IIIb. Initial Calibration Verification				
Was an initial calibration verification standard analyzed after each initial calibration for each instrument?	✓			
Were all 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) and relative response factors (RRF) within method criteria for all CCCs and SPCCs?	✓			
Were all percent differences (%D) ≤ 20% and relative response factors (RRF) ≥ 0.05?	✓			
V. Laboratory Blanks				
Was a laboratory blank associated with every sample in this SDG?	✓			
Was a laboratory blank analyzed at least once every 12 hours for each matrix and concentration?	✓			
Was there contamination in the laboratory blanks?		✓		
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?			✓	

Validation Area	Yes	No	NA	Findings/Comments
VIII. Matrix spike/Matrix spike duplicates				
Were matrix spike (MS) and matrix spike duplicate (MSD) analyzed in this SDG?	✓			
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 chloride	CC. Toluene	CCC. tert-Butylbenzene	CCCC. 1-Chlorohexane	C1. Heptane
D. Chloroethane	DD. Chlorobenzene	DDD. 1,2,4-Trimethylbenzene	DDDD. Isopropyl alcohol	D1. Propylene
E. Methylene chloride	EE. Ethylbenzene	EEE. sec-Butylbenzene	EEEE. Acetonitrile	E1. Freon 11
F. Acetone	FF. Styrene	FFF. 1,3-Dichlorobenzene	FFFF. Acrolein	F1. Freon 12
G. Carbon disulfide	GG. Xylenes, total	GGG. p-Isopropyltoluene	GGGG. Acrylonitrile	G1. Freon 113
H. 1,1-Dichloroethene	HH. Vinyl acetate	HHH. 1,4-Dichlorobenzene	HHHH. 1,4-Dioxane	H1. Freon 114
I. 1,1-Dichloroethane	II. 2-Chloroethylvinyl ether	III. n-Butylbenzene	IIII. Isobutyl alcohol	I1. 2-Nitropropane
J. 1,2-Dichloroethene, total	JJ. Dichlorodifluoromethane	JJJ. 1,2-Dichlorobenzene	JJJJ. Methacrylonitrile	J1. Dimethyl disulfide
K. Chloroform	KK. Trichlorofluoromethane	KKK. 1,2,4-Trichlorobenzene	KKKK. Propionitrile	K1. 2,3-Dimethyl pentane
L. 1,2-Dichloroethane	LL. Methyl-tert-butyl ether	LLL. Hexachlorobutadiene	LLLL. Ethyl ether	L1. 2,4-Dimethyl pentane
M. 2-Butanone	MM. 1,2-Dibromo-3-chloropropane	MMM. Naphthalene	MMMM. Benzyl chloride	M1. 3,3-Dimethyl pentane
N. 1,1,1-Trichloroethane	NN. Methyl ethyl ketone	NNN. 1,2,3-Trichlorobenzene	NNNN. Iodomethane	N1. 2-Methylpentane
O. Carbon tetrachloride	OO. 2,2-Dichloropropane	OOO. 1,3,5-Trichlorobenzene	OOOO.1,1-Difluoroethane	O1. 3-Methylpentane
P. Bromodichloromethane	PP. Bromochloromethane	PPP. trans-1,2-Dichloroethene	PPPP. Tetrahydrofuran	P1. 3-Ethylpentane
Q. 1,2-Dichloropropane	QQ. 1,1-Dichloropropene	QQQ. cis-1,2-Dichloroethene	QQQQ. Methyl acetate	Q1. 2,2-Dimethylpentane
R. cis-1,3-Dichloropropene	RR. Dibromomethane	RRR. m,p-Xylenes	RRRR. Ethyl acetate	R1. 2,2,3- Trimethylbutane
S. Trichloroethene	SS. 1,3-Dichloropropane	SSS. o-Xylene	SSSS. Cyclohexane	S1. 2,2,4-Trimethylpentane
T. Dibromochloromethane	TT. 1,2-Dibromoethane	TTT. 1,1,2-Trichloro-1,2,2-trifluoroethane	TTTT. Methylcyclohexane	T1. 2-Methylhexane
U. 1,1,2-Trichloroethane	UU. 1,1,1,2-Tetrachloroethane	UUU. 1,2-Dichlorotetrafluoroethane	UUUU. Allyl chloride	U1. Nonanal
V. Benzene	VV. Isopropylbenzene	VVV. 4-Ethyltoluene	VVVV. Methyl methacrylate	V1. 2-Methylnaphthalene
W. trans-1,3-Dichloropropene	WW. Bromobenzene	WWW. Ethanol	WWWW. Ethyl methacrylate	W1. Methanol
X. Bromoform	XX. 1,2,3-Trichloropropane	XXX. Di-isopropyl ether	XXXX. cis-1,4-Dichloro-2-butene	X1. 1,2,3-Trimethylbenzene
Y. 4-Methyl-2-pentanone	YY. n-Propylbenzene	YYY. tert-Butanol	YYYY. trans-1,4-Dichloro-2-butene	Y1. 2-Propanol
Z. 2-Hexanone	ZZ. 2-Chlorotoluene	ZZZ. tert-Butyl alcohol	ZZZZ. Pentachloroethane	Z1.

LDC#:57061A1a

VALIDATION FINDINGS WORKSHEET
Field Duplicates

Reviewer: PG

METHOD: GCMS VOCs (EPA Method 8260D)

Compound	Concentration (ug/L)		(≤30) RPD	Difference	Limits	Qual
	9	10				
QQQ	7.8	6.4	20			
AA	1.9	2.5		0.6	≤ 0.50	Not/A
S	0.53	0.48	10			
F	230	1000	125			Not/A

V:\FIELD DUPLICATES\Field Duplicates\FD_Organics\2023\570611a_Ahtna_USDB.wpd

LDC #: 57064A/a

VALIDATION FINDINGS WORKSHEET
Initial Calibration Calculation Verification

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

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

RRF = $(A_x)(C_{is})/(A_{is})(C_x)$
average RRF = sum of the RRFs/number of standards
%RSD = 100 * (S/X)

A_x = Area of compound,
C_x = Concentration of compound,
S = Standard deviation of the RRFs
X = Mean of the RRFs

A_{is} = Area of associated internal standard
C_{is} = Concentration of internal standard

#	Standard ID	Calibration Date	Compound (Reference Internal Standard)	Reported RRF (10 std)	Recalculated RRF (10 std)	Reported Average RRF (initial)	Recalculated Average RRF (initial)	Reported %RSD	Recalculated %RSD
1	ICAL	6/19/23	QQQ (1st internal standard)	2.870129	2.870129	2.965512	2.965512	3.519584	3.520
			S (2nd internal standard)	1.319077	1.319077	1.406458	1.406458	7.066798	7.066
			TT (3rd internal standard)	2.162584	2.162584	2.253216	2.253216	8.087462	8.087
			(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 #: 57614A1a

VALIDATION FINDINGS WORKSHEET
Continuing Calibration Results Verification

Reviewer: 9

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

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

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

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

#	Standard ID	Calibration Date	Compound (Reference internal Standard)	Average RRF (initial)	Reported RRF (CC)	Recalculated RRF (CC)	Reported %D	Recalculated %D
1	24WN45	4/21/23	DBB (1st internal standard)	2.965512	2.947357	2.947357	0.6	0.6
			5 (2nd internal standard)	1.406458	1.322613	1.322613	6.0	6.0
			24 (3rd internal standard)	2.253216	2.204804	2.204804	2.1	2.1
			(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 #: 5706K4a

VALIDATION FINDINGS WORKSHEET
Surrogate Results Verification

Reviewer: 9

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

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

% Recovery: SF/SS * 100

Where: SF = Surrogate Found
SS = Surrogate Spiked

Sample ID: 3

	Surrogate Spiked	Surrogate Found	Percent Recovery Reported	Percent Recovery Recalculated	Percent Difference
Dibromofluoromethane					
1,2-Dichloroethane-d4	10.0	9.55	95.5	95.5	
Toluene-d8	↓	10.07	101	101	
Bromofluorobenzene	↓	9.55	95.5	95.5	

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 #: 51614A19

VALIDATION FINDINGS WORKSHEET
Matrix Spike/Matrix Spike Duplicates Results Verification

Reviewer: 9

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

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

% Recovery = 100 * (SSC - SC)/SA Where: SSC = Spiked sample concentration; SA = Spike added; SC = Sample concentration

RPD = I MSC - MSC I * 2/(MSC + MSDC) MSC = Matrix spike concentration MSDC = Matrix spike duplicate concentration

MS/MSD sample: 13/14

Compound	Spike Added (MB)		Sample Concentration (MB)	Spiked Sample Concentration (MB)		Matrix Spike Percent Recovery		Matrix Spike Duplicate Percent Recovery		MS/MSD RPD	
	MS	MSD	------	MS	MSD	Reported	Recalc	Reported	Recalc	Reported	Recalculated
1,1-Dichloroethene	25.0	25.0	ND	28.9T	25.31	116	116	101	101	13.5	13.5
Trichloroethene	↓	↓	↓	26.T0	24.96	10T	10T	99.8	99.8	6.T	6.T
Benzene	↓	↓	↓	25.62	22.68	102	102	90.T	90.T	12.	12.2
Toluene	↓	↓	↓	26.93	25.13	108	108	101	101	6.9	6.9
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 #: 57065A/9

VALIDATION FINDINGS WORKSHEET
Laboratory Control Sample Results Verification

Reviewer: 9

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

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 = | LCSC - LCSDC | * 2/(LCSC + LCSDC) LCSC = Laboratory control sample concentration LCSDC = Laboratory control sample duplicate concentration

LCS ID: B168856-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	25.00	25.00	24.96	27.72	99.8	99.8	111	111	10.5	10.5
Trichloroethene	|	|	22.77	25.09	91.1	91.1	100	100	9.7	9.7
Benzene	|	|	23.00	24.87	92.0	92.0	99.5	99.5	7.8	7.8
Toluene	↓	↓	24.29	25.91	97.2	97.2	104	104	6.5	6.5
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 #: 57661A1a

VALIDATION FINDINGS WORKSHEET
Sample Calculation Verification

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

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, ORX:

Conc. = $\frac{(20312)(10.0)(1)}{(49138)(29655)(2)}$

= 2.08 ug/L

#	Sample ID	Compound	Reported Concentration ug/L	Calculated Concentration ug/L	Qualification
	3	ORX	2.1	2.1	