

February 9, 2026

Mr. Jared Donaldson
Assistant Engineer
NYSDEC Division of Environmental Remediation
625 Broadway Albany, NY 12333

Re: **Quarterly Monitoring – Third Quarter 2025**
Mom's Cleaners – NYSDEC Site No. 152184
Union Boulevard, West Islip, New York
FPM File No. 1141g-23-06

Dear Jared:

FPM Group (FPM) has prepared this monitoring report for the above-referenced Site to document the soil vapor intrusion (SVI) and sub-slab depressurization system SSDS monitoring for the third quarter of 2025. A detailed summary of the work performed is further discussed below.

Site Background

In 1997, following a petroleum spill investigation at a former gasoline station at neighboring property, chlorinated solvents were identified and found to be associated with the Mom's cleaners Site. The dry cleaner was reported to have ceased operations in 1997 and remedial work was performed in 1997 to remove PCE impacted soils from beneath the former drycleaning tenant space and from an onsite sanitary system. Groundwater monitoring was subsequently performed over several years and found to be improving as a result of natural attenuation. In 2016, groundwater monitoring indicated PCE concentrations of 13 ug/l in one downgradient well.

A Site Characterization (SC) was conducted in July and August of 2011 to assess groundwater and potential soil vapor intrusion at the Site. Groundwater sampling was conducted and conditions were noted to improve and no further action was recommended with respect to groundwater quality. The SVI investigation identified levels of PCE and TCE in soil vapor which indicated mitigation and monitoring in the South Bay Cardiovascular and St. Charles Physical Therapy sampling locations, respectively. Soil gas sampling was also performed and found to be elevated on the southern portion of the building. It was recommended that offsite SVI be conducted at adjoining properties in proximity to the Site.

Offsite SVI testing was conducted in February 2016 at one residence which was located in proximity to the Site. Based upon the results of the testing no further action was recommended.

Based upon the findings of the SC, SVI monitoring was initiated in South Bay Cardiovascular and St. Charles Physical Therapy and St. Charles Physical Therapy tenant spaces in 2014. SVI monitoring generally indicated that PCE and/or TCE were elevated in sub-slab vapor samples and the collocated indoor air samples were generally below their respective air guidance values (AGVs). In July 2022, a SSDS was installed in the South Bay Cardiovascular tenant space at the CS-SV-3 location where the greatest concentrations have been observed to provide mitigation in accordance with a NYSDEC

approved Work Plan. SVI monitoring and operation of the SSDS continues to be performed and is discussed below.

SSDS Monitoring

The SSDS fan and associated components were checked and were noted to be in good working condition. System monitoring points were checked for vacuum and all monitoring points were noted to providing a vacuum in excess of the designed minimum of 0.004 inches of water. A table summarizing the vacuum readings at the monitoring points is included as Table 1. A SSDS checklist is included as Attachment A. The monitoring point locations are shown on Figure 1.

An effluent sample was collected from the SSDS concurrent with the September 2025 SVI sampling event. The result of this analysis is summarized with the previously obtained effluent data in Table 2. The effluent data detected PCE, a site related contaminant at a concentration of 2.28 $\mu\text{g}/\text{m}^3$. Several other VOCs were also detected. The complete laboratory report is included in Attachment B.

SVI Monitoring

SVI Monitoring was performed on September 26, 2025 and included the collection of indoor air samples CV-IA-1, CV-IA-2, CV-IA-3 and PT-IA-1. An ambient (outdoor) air sample was collected in conjunction with the air samples to evaluate conditions in the site vicinity during the time of sampling. Sub-slab soil vapor sampling has been discontinued in accordance with the NYSDCE's January 14, 2025 correspondence.

The indoor and ambient air samples were collected over an approximate 8-hour time period. The canister volume and flow controller for each canister was calibrated by the analytical laboratory so as not to exceed 0.2 liters per minute. The canisters were sealed while measurable vacuum remained.

Upon completion of sampling, each canister was sealed, labeled, managed, transported, and tracked to the analytical laboratory under chain of custody procedures.

The indoor air samples were analyzed by a New York State Department of Health (NYSDOH) certified laboratory using the TO-15 low-level method. The laboratory analytical report and associated data usability summary report are included in Attachment B and C, respectively.

A building inventory and questionnaire was also completed during the sampling event, no potential sources of site contaminants of concern were identified. A copy of the building questionnaire and chemical inventory is included in Attachment D.

The complete sample analytical results and detections summary are summarized in Table 3 and Table 4, respectively. In accordance with NYSDOH protocol, the indoor air sample results for the volatile organic compounds (VOCs), for which the NYSDOH provides guidance, were compared to available NYSDOH Air Guideline Values (AGV). Our review of these data indicates the following:

- Six VOCs for which the NYSDOH provides guidance including carbon tetrachloride (CT), m,p-xylenes, methylene chloride (MC), tetrachloroethene (PCE), toluene and trichloroethylene (TCE) were detected in one or more of the samples.
- Xylenes (m,p) were detected in samples CV-IA-1 and CV-IA-2 at very low concentrations concentrations of 1.15 $\mu\text{g}/\text{m}^3$ and 1.61 $\mu\text{g}/\text{m}^3$, respectively. Xylenes(m,p) are not a site related contaminant of concern.
- MC was noted to be present in one of the Indoor air samples; PT-IA-1 at 3.4 $\mu\text{g}/\text{m}^3$ and is well below its air guidance value (60 $\mu\text{g}/\text{m}^3$).

- CT was noted at very low concentrations in each of the indoor air samples and has historically been noted at similar concentrations in the outdoor air indicating it is related to conditions in the site vicinity and not a concern for the Site.
- Toluene were detected in three of the indoor air samples at low concentrations ranging from 2.8 to 9.91 $\mu\text{g}/\text{m}^3$. Toluene is not a site related contaminant of concern.
- PCE was noted to be at low concentrations in CV-IA-1 and CV-IA-1 at concentrations 0.42 $\mu\text{g}/\text{m}^3$ and 0.6 $\mu\text{g}/\text{m}^3$ respectively and well below its air guidance value (30 $\mu\text{g}/\text{m}^3$).
- TCE was noted to be at low concentrations in PT-IA-1 at a concentration of 0.81 $\mu\text{g}/\text{m}^3$ and is below its air guidance value (2 $\mu\text{g}/\text{m}^3$).
- Several other VOCs were detected in the indoor air samples and were generally within the ranges of indoor air background concentrations for commercial buildings. Except for ethanol and isopropyl alcohol which are utilized in sanitizers at the facility. Ambient air VOC concentrations were noted to be low or non-detect.

Conclusions

Based on the SVI and SSDS monitoring FPM has the following conclusions:

- The SSDS was installed and placed into service in July 2022. Current vacuum monitoring continues to demonstrate that a sufficient ROI has been established at the site to address sub-slab soil vapor and improve indoor air concentrations for site related VOCs;
- September 2025 SSDS effluent monitoring indicates that site-related VOCs remain present in sub-slab soil vapor and have improved since the SSDS was placed into service. Indoor air concentrations of PCE and/or TCE, the primary site contaminants of concern, were noted at low concentrations in two of the samples and below their respective AGV.
- MC was detected at low concentrations in one indoor air sample PT-IA-1, and was noted to decrease in concentration relative to the prior sampling event. MC was noted to be well below its respective AGV.
- Toluene and/or xylenes(m,p) were noted at low concentrations in several indoor air samples and do not appear to be an SVI concern.

Based on these data, the SSDS overall continues to provide depressurization of the affected portions of the building. FPM will continue to assess the SSDS and SVI monitoring information to determine if modifications are necessary.

Monitoring of the SSDS will continue on a quarterly basis in accordance with the SSDS work plan and NYSDEC modifications.

Should you have any questions, please do not hesitate to contact me at (631) 737-6200, ext. 509

Sincerely,

A handwritten signature in blue ink, appearing to read "Ben T. Cancemi".

Ben T. Cancemi, PG
Department Manager
Vice President

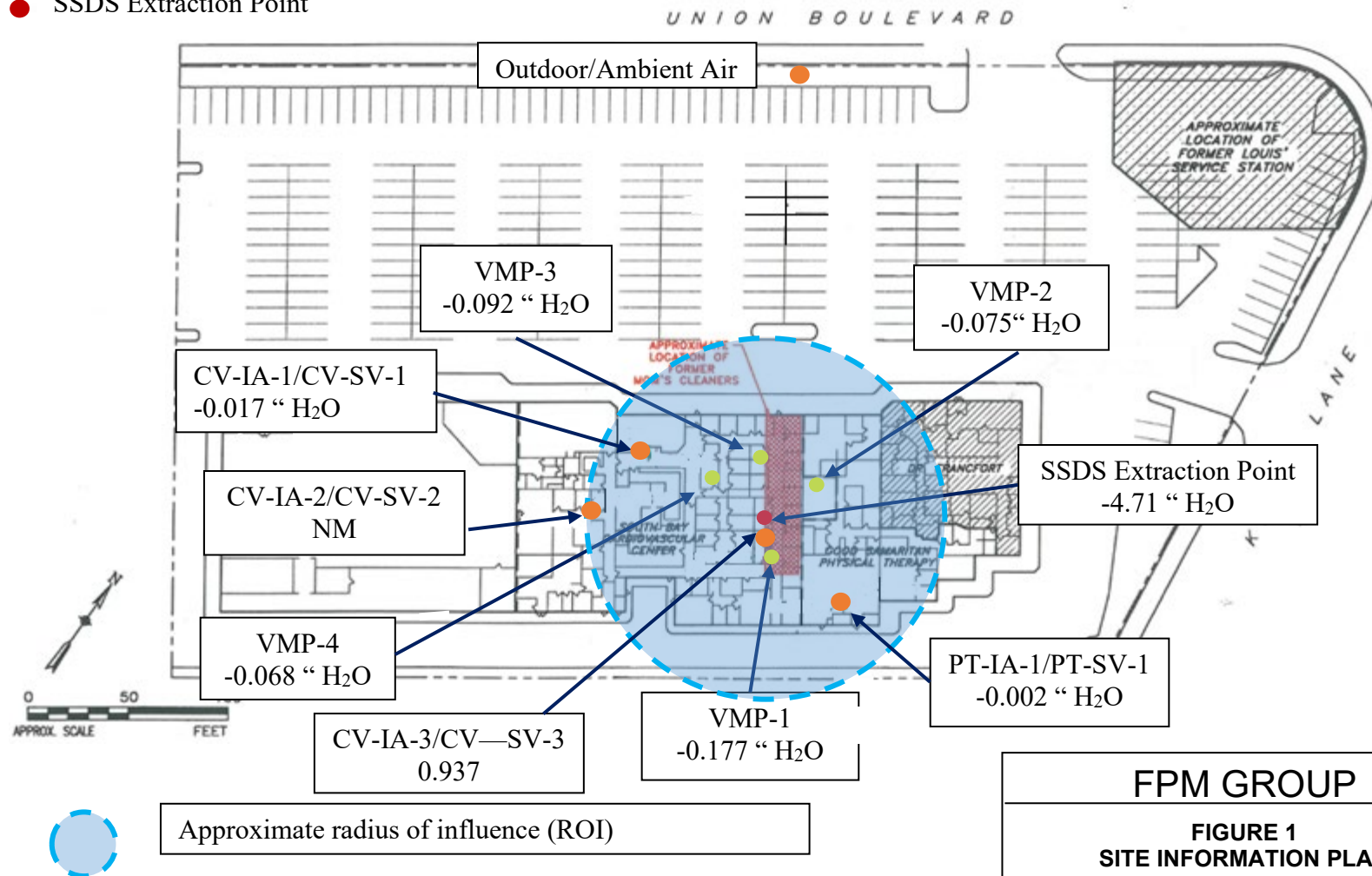
Attachments

RJF/BTC:btc

Cc: James Rigano, Esq

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- Air/Sub-Slab Soil Vapor Sample Location
- Vacuum Monitoring Point
- SSDS Extraction Point



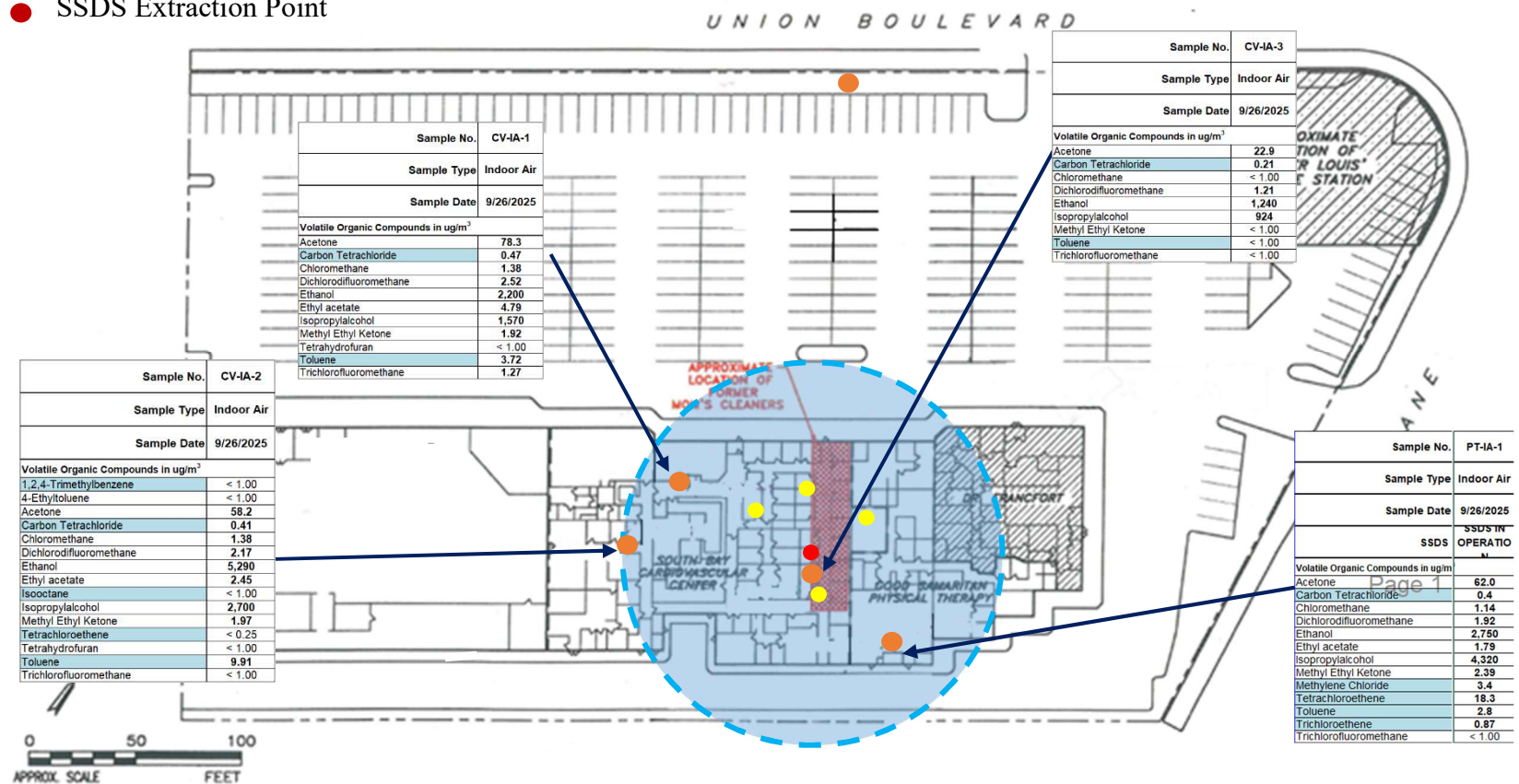
Base Map : APEX (2011)

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FIGURE 1
SITE INFORMATION PLAN
CAPTREE VILLAGE SHOPPING CENTER
WEST ISLIP, NEW YORK

Drawn by: BC | Checked By: BC | Date: 9/15/25

- Air Sample Location
- Vacuum Monitoring Point
- SSDS Extraction Point



Approximate radius of influence (ROI)

Base Map : APEX (2011)

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FIGURE 2
INDOOR AIR SEPTEMBER 26, 2025
 CAPTREE VILLAGE SHOPPING CENTER
 WEST ISLIP, NEW YORK

Drawn by: BC | Checked By: BC | Date: 09/26/25

TABLE 1
SSDS MONITORING
MOM'S CLEANERS- NYSDEC SITE NO. 152184
UNION BOULEVARD, WEST ISLIP, NY

Monitoring Point Location	Distance from SSDS (feet)	Vacuum (inches of H2O)
SSDS Fan (Room 8)	0	4.71
CV-SV-1 (Lobby)	81	0.017
CV-SV-2 (Room 20 Inaccessable)	104	---
CV-SV-3 (Room 9)	2	0.937
VMP-1 (Room 10)	20	0.177
VMP-2 (Room 5)	35	0.075
VMP-3 (ECHO Room 5)	40	0.092
VMP-4 (Room 12)	40	0.068
PT-SV-1 (Room 35)	60	0.002

Monitoring conducted on September 26, 2025

TABLE 2
SSDS EFFLUENT RESULTS
MOM's CLEANERS- NYSDEC SITE NO. 152184
UNION BOULEVARD, WEST ISLIP, NEW YORK

Sample No.	EFFLUENT					
Sample Type	SOIL GAS					
Sample Date	5/23/2024	9/30/2024	12/20/2024	3/28/2025	7/2/2025	9/26/2025
Volatile Organic Compounds in ug/m³						
1,1,1,2-Tetrachloroethane	< 1.00	< 5.00	< 5.00	< 5.00	< 5.00	< 1.00
1,1,1-Trichloroethane	< 1.00	< 5.00	< 5.00	< 5.00	< 5.00	< 1.00
1,1,2,2-Tetrachloroethane	< 1.00	< 5.00	< 5.00	< 5.00	< 5.00	< 1.00
1,1,2-Trichloroethane	< 1.00	< 5.00	< 5.00	< 5.00	< 5.00	< 1.00
1,1-Dichloroethane	< 1.00	< 5.02	< 5.02	< 5.02	< 5.02	< 1.00
1,1-Dichloroethene	< 0.20	< 1.00	< 1.00	< 1.00	< 1.00	< 0.20
1,2,4-Trichlorobenzene	< 1.00	< 5.00	< 5.00	< 5.00	< 5.00	< 1.00
1,2,4-Trimethylbenzene	< 1.00	< 5.01	< 5.01	< 5.01	< 5.01	< 1.00
1,2-Dibromoethane(EDB)	< 1.00	< 5.00	< 5.00	< 5.00	< 5.00	< 1.00
1,2-Dichlorobenzene	< 1.00	< 5.00	< 5.00	< 5.00	< 5.00	< 1.00
1,2-Dichloroethane	< 1.00	< 5.02	< 5.02	< 5.02	< 5.02	< 1.00
1,2-dichloropropane	< 1.00	< 4.99	< 4.99	< 4.99	< 4.99	< 1.00
1,2-Dichlorotetrafluoroethane	< 1.00	< 5.00	< 5.00	< 5.00	< 5.00	< 1.00
1,3,5-Trimethylbenzene	< 1.00	< 5.01	< 5.01	< 5.01	< 5.01	< 1.00
1,3-Butadiene	< 1.00	< 5.00	< 5.00	< 5.00	< 5.00	< 1.00
1,3-Dichlorobenzene	< 1.00	< 5.00	< 5.00	< 5.00	< 5.00	< 1.00
1,4-Dichlorobenzene	< 1.00	< 5.00	< 5.00	< 5.00	< 5.00	< 1.00
1,4-Dioxane	< 1.00	< 5.01	< 5.01	< 5.01	< 5.01	< 1.00
2-Hexanone(MBK)	< 1.00	< 4.99	< 4.99	< 4.99	< 4.99	< 1.00
4-Ethyltoluene	< 1.00	10	< 5.01	< 5.01	< 5.01	< 1.00
4-Isopropyltoluene	< 1.00	< 5.00	< 5.00	< 5.00	< 5.00	< 1.00
4-Methyl-2-pentanone(MIBK)	< 1.00	< 4.99	< 4.99	< 4.99	< 4.99	< 1.00
Acetone	22.3	45.3	44.9	35.6	60.8	39.6
Acrylonitrile	< 1.00	< 5.01	< 5.01	< 5.01	< 5.01	< 1.00
Benzene	< 1.00	< 5.01	< 5.01	< 5.01	< 5.01	< 1.00
Benzyl chloride	< 1.00	< 5.00	< 5.00	< 5.00	< 5.00	< 1.00
Bromodichloromethane	< 1.00	< 5.00	< 5.00	< 5.00	< 5.00	< 1.00
Bromoform	< 1.00	< 5.00	< 5.00	< 5.00	< 5.00	< 1.00
Bromomethane	< 1.00	< 5.01	< 5.01	< 5.01	< 5.01	< 1.00
Carbon Disulfide	< 1.00	< 5.01	< 5.01	< 5.01	< 5.01	< 1.00
Carbon Tetrachloride	0.42	< 1.00	< 1.00	< 1.00	< 1.00	0.39
Chlorobenzene	< 1.00	< 5.01	< 5.01	< 5.01	< 5.01	< 1.00
Chloroethane	< 1.00	< 5.01	< 5.01	< 5.01	< 5.01	< 1.00
Chloroform	< 1.00	< 4.98	< 4.98	< 4.98	< 4.98	< 1.00
Chloromethane	2.89	< 4.99	< 4.99	< 4.99	< 4.99	1.21
Cis-1,2-Dichloroethene	1.75	1.19	1.17	< 1.00	< 1.00	< 0.20
cis-1,3-Dichloropropene	< 1.00	< 4.99	< 4.99	< 4.99	< 4.99	< 1.00
Cyclohexane	< 1.00	< 4.99	< 4.99	< 4.99	< 4.99	< 1.00
Dibromochloromethane	< 1.00	< 5.00	< 5.00	< 5.00	< 5.00	< 1.00
Dichlorodifluoromethane	2.02	< 4.99	< 4.99	< 4.99	< 4.99	2.03
Ethanol	576	2,280	2,990	4,540	2,090	2,130
Ethyl acetate	< 1.00	< 5.01	< 5.01	< 5.01	< 5.01	< 1.00
Ethylbenzene	< 1.00	11.9	< 4.99	< 4.99	< 4.99	< 1.00
Heptane	< 1.00	< 5.00	< 5.00	< 5.00	< 5.00	< 1.00
Hexachlorobutadiene	< 1.00	< 5.00	< 5.00	< 5.00	< 5.00	< 1.00
Hexane	< 1.00	< 5.00	< 5.00	< 5.00	< 5.00	< 1.00
Isooctane	< 1.00	< 4.99	< 4.99	< 4.99	< 4.99	< 1.00
Isopropylalcohol	1,020	2,700	2,680	2,430	2,360	1,470
Isopropylbenzene	< 1.00	< 5.01	< 5.01	< 5.01	< 5.01	< 1.00
m,p-Xylene	< 1.00	51.6	< 4.99	< 4.99	< 4.99	< 1.00
Methyl Ethyl Ketone	3.12	< 5.01	< 5.01	< 5.01	< 5.01	1.32
Methyl tert-butyl ether(MTBE)	< 1.00	< 5.01	< 5.01	< 5.01	< 5.01	< 1.00
Methylene Chloride	8.19	< 15.0	< 15.0	< 15.0	< 15.0	< 3.00
Naphthalene	< 1.05	< 5.23	< 5.23	< 5.23	< 5.23	< 1.05
n-Butylbenzene	< 1.00	< 5.00	< 5.00	< 5.00	< 5.00	< 1.00
o-Xylene	< 1.00	17.3	< 4.99	< 4.99	< 4.99	< 1.00
Propylene	< 1.00	< 5.01	< 5.01	< 5.01	< 5.01	< 1.00
sec-Butylbenzene	< 1.00	< 5.00	< 5.00	< 5.00	< 5.00	< 1.00
Styrene	< 1.00	< 4.98	< 4.98	< 4.98	< 4.98	< 1.00
Tetrachloroethene	24.3	27.6	20.3	< 1.25	1.39	2.28
Tetrahydrofuran	< 1.00	< 5.01	< 5.01	< 5.01	< 5.01	< 1.00
Toluene	< 1.00	7.38	< 5.01	< 5.01	< 5.01	1.72
Trans-1,2-Dichloroethene	< 1.00	< 4.99	< 4.99	< 4.99	< 4.99	< 1.00
trans-1,3-Dichloropropene	< 1.00	< 4.99	< 4.99	< 4.99	< 4.99	< 1.00
Trichloroethene	1.99	1.96	1.80	< 0.99	< 0.99	< 0.20
Trichlorofluoromethane	1.22	< 5.00	< 5.00	< 5.00	< 5.00	< 1.00
Trichlorotrifluoroethane	< 1.00	< 5.00	< 5.00	< 5.00	< 5.00	< 1.00
Vinyl Chloride	< 0.20	< 1.00	< 1.00	< 1.00	< 1.00	< 0.20

NYSDOH SVI compounds of concern are shaded.

ug/m3 = micrograms per cubic meter

* Sample not collected due to apparent faulty regulator

Bold Value = Result Exceeds Criteria

TABLE 3
SOIL VAPOR AND INDOOR/OUTDOOR AIR SAMPLING RESULTS
MOM's CLEANERS- NYSDEC SITE NO. 152184
UNION BOULEVARD, WEST ISLIP, NEW YORK

Sample No.	CV-SV-1	CV-IA-1	CV-SV-1	CV-IA-1	CV-SV-1	CV-IA-1	CV-SV-1	CV-IA-1	CV-SV-1	CV-IA-1
Sample Type	Sub-slab	Indoor Air	Sub-Slab	Indoor Air	Sub-slab	Indoor Air	Sub-slab	Indoor Air	Sub-slab	Indoor Air
Sample Date	9/30/2024		12/20/2024		3/28/2025		6/27/2025		9/26/2025	
SSDS	SSDS IN OPERATION									
Volatile Organic Compounds in ug/m³										
1,1,1,2-Tetrachloroethane	< 5.00	< 1.00	< 5.00	< 1.00	-	< 1.00	-	< 1.00	-	< 1.00
1,1,1-Trichloroethane	< 5.00	< 1.00	< 5.00	< 1.00	-	< 1.00	-	< 1.00	-	< 1.00
1,1,2,2-Tetrachloroethane	< 5.00	< 1.00	< 5.00	< 1.00	-	< 1.00	-	< 1.00	-	< 1.00
1,1,2-Trichloroethane	< 5.00	< 1.00	< 5.00	< 1.00	-	< 1.00	-	< 1.00	-	< 1.00
1,1-Dichloroethane	< 5.02	< 1.00	< 5.02	< 1.00	-	< 1.00	-	< 1.00	-	< 1.00
1,1-Dichloroethene	< 1.00	< 0.20	< 1.00	< 0.20	-	< 0.20	-	< 0.20	-	< 0.20
1,2,4-Trichlorobenzene	< 5.00	< 1.00	< 5.00	< 1.00	-	< 1.00	-	< 1.00	-	< 1.00
1,2,4-Trimethylbenzene	< 5.01	< 1.00	< 5.01	< 1.00	-	< 1.00	-	< 1.00	-	< 1.00
1,2-Dibromoethane(EDB)	< 5.00	< 1.00	< 5.00	< 1.00	-	< 1.00	-	< 1.00	-	< 1.00
1,2-Dichlorobenzene	< 5.00	< 1.00	< 5.00	< 1.00	-	< 1.00	-	< 1.00	-	< 1.00
1,2-Dichloroethane	< 5.02	< 1.00	< 5.02	< 1.00	-	< 1.00	-	< 1.00	-	< 1.00
1,2-dichloropropane	< 4.99	< 1.00	< 4.99	< 1.00	-	< 1.00	-	< 1.00	-	< 1.00
1,2-Dichlorotetrafluoroethane	< 5.00	< 1.00	< 5.00	< 1.00	-	< 1.00	-	< 1.00	-	< 1.00
1,3,5-Trimethylbenzene	< 5.01	< 1.00	< 5.01	< 1.00	-	< 1.00	-	< 1.00	-	< 1.00
1,3-Butadiene	< 5.00	< 1.00	< 5.00	< 1.00	-	< 1.00	-	< 1.00	-	< 1.00
1,3-Dichlorobenzene	< 5.00	< 1.00	< 5.00	< 1.00	-	< 1.00	-	< 1.00	-	< 1.00
1,4-Dichlorobenzene	< 5.00	< 1.00	< 5.00	< 1.00	-	< 1.00	-	< 1.00	-	< 1.00
1,4-Dioxane	< 5.01	< 1.00	< 5.01	< 1.00	-	< 1.00	-	< 1.00	-	< 1.00
2-Hexanone(MBK)	< 4.99	< 1.00	< 4.99	< 1.00	-	< 1.00	-	< 1.00	-	< 1.00
4-Ethyltoluene	< 5.01	< 1.00	< 5.01	< 1.00	-	< 1.00	-	< 1.00	-	< 1.00
4-Isopropyltoluene	< 5.00	< 1.00	< 5.00	< 1.00	-	< 1.00	-	< 1.00	-	< 1.00
4-Methyl-2-pentanone(MIBK)	< 4.99	< 1.00	< 4.99	< 1.00	-	< 1.00	-	< 1.00	-	< 1.00
Acetone	17.70	66.2	19.8	41.5	-	31.8	-	19.4	-	78.3
Acrylonitrile	< 5.01	< 1.00	< 5.01	< 1.00	-	< 1.00	-	< 1.00	-	< 1.00
Benzene	< 5.01	< 1.00	< 5.01	1.24	-	< 1.00	-	< 1.00	-	< 1.00
Benzyl chloride	< 5.00	< 1.00	< 5.00	< 1.00	-	< 1.00	-	< 1.00	-	< 1.00
Bromodichloromethane	< 5.00	< 1.00	< 5.00	< 1.00	-	< 1.00	-	< 1.00	-	< 1.00
Bromoform	< 5.00	< 1.00	< 5.00	< 1.00	-	< 1.00	-	< 1.00	-	< 1.00
Bromomethane	< 5.01	< 1.00	< 5.01	< 1.00	-	< 1.00	-	< 1.00	-	< 1.00
Carbon Disulfide	< 5.01	< 1.00	< 5.01	< 1.00	-	< 1.00	-	< 1.00	-	< 1.00
Carbon Tetrachloride	< 1.00	0.60	< 1.00	0.47	-	0.5	-	0.43	-	0.47
Chlorobenzene	< 5.01	< 1.00	< 5.01	< 1.00	-	< 1.00	-	< 1.00	-	< 1.00
Chloroethane	< 5.01	< 1.00	< 5.01	< 1.00	-	< 1.00	-	< 1.00	-	< 1.00
Chloroform	< 4.98	< 1.00	< 4.98	< 1.00	-	< 1.00	-	< 1.00	-	< 1.00
Chloromethane	< 4.99	1.53	< 4.99	2.60	-	1.24	-	1.05	-	1.38
Cis-1,2-Dichloroethene	< 1.00	< 0.20	< 1.00	< 0.20	-	< 0.20	-	< 0.20	-	< 0.20
Cis-1,3-Dichloropropene	< 4.99	< 1.00	< 4.99	< 1.00	-	< 1.00	-	< 1.00	-	< 1.00
Cyclohexane	< 4.99	< 1.00	< 4.99	< 1.00	-	< 1.00	-	< 1.00	-	< 1.00
Dibromochloromethane	< 5.00	< 1.00	< 5.00	< 1.00	-	< 1.00	-	< 1.00	-	< 1.00
Dichlorodifluoromethane	< 4.99	2.26	< 4.99	1.85	-	1.84	-	1.89	-	2.52
Ethanol	378	2,430	226	2,010	-	1,650	-	1,740	-	2,200
Ethyl acetate	< 5.01	2.09	< 5.01	1.56	-	1.87	-	1.37	-	4.79
Ethylbenzene	< 4.99	< 1.00	< 4.99	< 1.00	-	< 1.00	-	< 1.00	-	< 1.00
Heptane	< 5.00	< 1.00	< 5.00	< 1.00	-	1.88	-	< 1.00	-	< 1.00
Hexachlorobutadiene	< 5.00	< 1.00	< 5.00	< 1.00	-	< 1.00	-	< 1.00	-	< 1.00
Hexane	< 5.00	< 1.00	< 5.00	< 1.00	-	< 1.00	-	< 1.00	-	< 1.00
Isooctane	< 4.99	< 1.00	< 4.99	< 1.00	-	< 1.00	-	< 1.00	-	< 1.00
Isopropylalcohol	467	921	423	1,570	-	1,030	-	2,920	-	1,570
Isopropylbenzene	< 5.01	< 1.00	< 5.01	< 1.00	-	< 1.00	-	< 1.00	-	< 1.00
m,p-Xylene	< 4.99	< 1.00	< 4.99	< 1.00	-	< 1.00	-	< 1.00	-	1.15
Methyl Ethyl Ketone	< 5.01	1.67	< 5.01	1.85	-	2.02	-	2.71	-	1.92
Methyl tert-butyl ether(MTBE)	< 5.01	< 1.00	< 5.01	< 1.00	-	< 1.00	-	< 1.00	-	< 1.00
Methylene Chloride	< 15.0	5.52	< 15.0	< 3.00	-	< 3.00	-	< 3.00	-	< 3.00
Naphthalene	< 5.23	< 1.05	< 5.23	< 1.05	-	< 1.05	-	< 1.05	-	< 1.05
n-Butylbenzene	< 5.00	< 1.00	< 5.00	< 1.00	-	< 1.00	-	< 1.00	-	< 1.00
o-Xylene	< 4.99	< 1.00	< 4.99	< 1.00	-	< 1.00	-	< 1.00	-	< 1.00
Propylene	< 5.01	< 1.00	< 5.01	1.64	-	< 1.00	-	< 1.00	-	< 1.00
sec-Butylbenzene	< 5.00	< 1.00	< 5.00	< 1.00	-	< 1.00	-	< 1.00	-	< 1.00
Styrene	< 4.98	< 1.00	< 4.98	< 1.00	-	< 1.00	-	< 1.00	-	< 1.00
Tetrachloroethene	108	< 0.25	338	< 0.25	-	0.85	-	< 0.25	-	0.42
Tetrahydrofuran	< 5.01	< 1.00	< 5.01	< 1.00	-	< 1.00	-	< 1.00	-	< 1.00
Toluene	< 5.01	2.40	< 5.01	3.31	-	4.26	-	2.43	-	3.72
Trans-1,2-Dichloroethene	< 4.99	< 1.00	< 4.99	< 1.00	-	< 1.00	-	< 1.00	-	< 1.00
trans-1,3-Dichloropropene	< 4.99	< 1.00	< 4.99	< 1.00	-	< 1.00	-	< 1.00	-	< 1.00
Trichloroethene	< 0.99	< 0.20	< 0.99	< 0.20	-	< 0.20	-	< 0.20	-	< 0.20
Trichlorofluoromethane	< 5.00	< 1.00	< 5.00	1.06	-	1.04	-	1.01	-	1.27
Trichlorotrifluoroethane	< 5.00	< 1.00	< 5.00	< 1.00	-	< 1.00	-	< 1.00	-	< 1.00
Vinyl Chloride	< 1.00	< 0.20	< 1.00	< 0.20	-	< 0.20	-	< 0.20	-	< 0.20

Notes:
All samples analyzed using Method TO-15
ug/m³ = micrograms per cubic meter
Bold Value = Result Exceeds Criteria

TABLE 3 (CONTINUED)
SOIL VAPOR AND INDOOR/OUTDOOR AIR SAMPLING RESULTS
MOM's CLEANERS- NYSDEC SITE NO. 152184
UNION BOULEVARD, WEST ISLIP, NEW YORK

Sample No.	CV-SV-2	CV-IA-2	CV-SV-2	CV-IA-2	CV-SV-2	CV-IA-2	CV-SV-2	CV-IA-2	CV-SV-2	CV-IA-2
Sample Type	Sub-slab	Indoor Air	Sub-slab	Indoor Air	Sub-slab	Indoor Air	Sub-slab	Indoor Air	Sub-slab	Indoor Air
Sample Date	9/30/2024		12/20/2024		3/28/2025		6/27/2025		9/26/2025	
SSDS	SSDS IN OPERATION									
Volatile Organic Compounds in ug/m ³										
1,1,1,2-Tetrachloroethane	< 5.00	< 1.00	< 5.00	< 1.00	-	< 1.00	-	< 1.00	-	< 1.00
1,1,1-Trichloroethane	< 5.00	< 1.00	< 5.00	< 1.00	-	< 1.00	-	< 1.00	-	< 1.00
1,1,2,2-Tetrachloroethane	< 5.00	< 1.00	< 5.00	< 1.00	-	< 1.00	-	< 1.00	-	< 1.00
1,1,2-Trichloroethane	< 5.00	< 1.00	< 5.00	< 1.00	-	< 1.00	-	< 1.00	-	< 1.00
1,1-Dichloroethane	< 5.02	< 1.00	< 5.02	< 1.00	-	< 1.00	-	< 1.00	-	< 1.00
1,1-Dichloroethene	< 1.00	< 0.20	< 1.00	< 0.20	-	< 0.20	-	< 0.20	-	< 0.20
1,2,4-Trichlorobenzene	< 5.00	< 1.00	< 5.00	< 1.00	-	< 1.00	-	< 1.00	-	< 1.00
1,2,4-Trimethylbenzene	< 5.01	< 1.00	< 5.01	1.37	-	< 1.00	-	< 1.00	-	< 1.00
1,2-Dibromoethane(EDB)	< 5.00	< 1.00	< 5.00	< 1.00	-	< 1.00	-	< 1.00	-	< 1.00
1,2-Dichlorobenzene	< 5.00	< 1.00	< 5.00	< 1.00	-	< 1.00	-	< 1.00	-	< 1.00
1,2-Dichloroethane	< 5.02	< 1.00	< 5.02	< 1.00	-	< 1.00	-	< 1.00	-	< 1.00
1,2-dichloropropane	< 4.99	< 1.00	< 4.99	< 1.00	-	< 1.00	-	< 1.00	-	< 1.00
1,2-Dichlorotetrafluoroethane	< 5.00	< 1.00	< 5.00	< 1.00	-	< 1.00	-	< 1.00	-	< 1.00
1,3,5-Trimethylbenzene	< 5.01	< 1.00	< 5.01	< 1.00	-	< 1.00	-	< 1.00	-	< 1.00
1,3-Butadiene	< 5.00	< 1.00	< 5.00	< 1.00	-	< 1.00	-	< 1.00	-	< 1.00
1,3-Dichlorobenzene	< 5.00	< 1.00	< 5.00	< 1.00	-	< 1.00	-	< 1.00	-	< 1.00
1,4-Dichlorobenzene	< 5.00	< 1.00	< 5.00	< 1.00	-	< 1.00	-	< 1.00	-	< 1.00
1,4-Dioxane	< 5.01	< 1.00	< 5.01	< 1.00	-	< 1.00	-	< 1.00	-	< 1.00
2-Hexanone(MBK)	< 4.99	< 1.00	< 4.99	< 1.00	-	< 1.00	-	< 1.00	-	< 1.00
4-Ethyltoluene	< 5.01	< 1.00	< 5.01	1.26	-	< 1.00	-	< 1.00	-	< 1.00
4-Isopropyltoluene	< 5.00	< 1.00	< 5.00	< 1.00	-	< 1.00	-	< 1.00	-	< 1.00
4-Methyl-2-pentanone(MIBK)	< 4.99	1.72	< 4.99	< 1.00	-	1.17	-	< 1.00	-	1.39
Acetone	304	60.8	197	40.8	-	48.2	-	39.4	-	58.2
Acrylonitrile	< 5.01	< 1.00	< 5.01	< 1.00	-	< 1.00	-	< 1.00	-	< 1.00
Benzene	< 5.01	< 1.00	< 5.01	< 1.00	-	< 1.00	-	< 1.00	-	< 1.00
Benzyl chloride	< 5.00	< 1.00	< 5.00	< 1.00	-	< 1.00	-	< 1.00	-	< 1.00
Bromodichloromethane	< 5.00	< 1.00	< 5.00	< 1.00	-	< 1.00	-	< 1.00	-	< 1.00
Bromoform	< 5.00	< 1.00	< 5.00	< 1.00	-	< 1.00	-	< 1.00	-	< 1.00
Bromomethane	< 5.01	< 1.00	< 5.01	< 1.00	-	< 1.00	-	< 1.00	-	< 1.00
Carbon Disulfide	< 5.01	< 1.00	< 5.01	< 1.00	-	< 1.00	-	< 1.00	-	< 1.00
Carbon Tetrachloride	< 1.00	0.59	< 1.00	0.46	-	0.55	-	0.57	-	0.41
Chlorobenzene	< 5.01	< 1.00	< 5.01	< 1.00	-	< 1.00	-	< 1.00	-	< 1.00
Chloroethane	< 5.01	< 1.00	< 5.01	< 1.00	-	< 1.00	-	< 1.00	-	< 1.00
Chloroform	< 4.98	< 1.00	< 4.98	< 1.00	-	< 1.00	-	< 1.00	-	< 1.00
Chloromethane	< 4.99	1.62	< 4.99	1.38	-	1.37	-	1.11	-	1.38
Cis-1,2-Dichloroethene	< 1.00	< 0.20	< 1.00	< 0.20	-	< 0.20	-	< 0.20	-	< 0.20
Cis-1,3-Dichloropropene	< 4.99	< 1.00	< 4.99	< 1.00	-	< 1.00	-	< 1.00	-	< 1.00
Cyclohexane	< 4.99	< 1.00	< 4.99	< 1.00	-	< 1.00	-	< 1.00	-	< 1.00
Dibromochloromethane	< 5.00	< 1.00	< 5.00	< 1.00	-	< 1.00	-	< 1.00	-	< 1.00
Dichlorodifluoromethane	15.5	2.42	16.7	2.04	-	2.18	-	2.09	-	2.17
Ethanol	318	2,660	130	3,620	-	1,840	-	3,670	-	5,290
Ethyl acetate	< 5.01	1.3	< 5.01	1.47	-	1.67	-	2.72	-	2.45
Ethylbenzene	< 4.99	< 1.00	< 4.99	1.03	-	< 1.00	-	< 1.00	-	< 1.00
Heptane	< 5.00	< 1.00	< 5.00	1.27	-	< 1.00	-	< 1.00	-	< 1.00
Hexachlorobutadiene	< 5.00	< 1.00	< 5.00	< 1.00	-	< 1.00	-	< 1.00	-	< 1.00
Hexane	< 5.00	< 1.00	< 5.00	1.01	-	1.01	-	< 1.00	-	1.1
Isooctane	< 4.99	< 1.00	< 4.99	2.33	-	< 1.00	-	< 1.00	-	< 1.00
Isopropylalcohol	1,700	828	518	1,600	-	1,200	-	3,880	-	2,700
Isopropylbenzene	< 5.01	< 1.00	< 5.01	< 1.00	-	< 1.00	-	< 1.00	-	< 1.00
m,p-Xylene	< 4.99	< 1.00	< 4.99	4.20	-	1.46	-	< 1.00	-	1.61
Methyl Ethyl Ketone	< 5.01	1.65	< 5.01	1.02	-	4.69	-	2.45	-	1.97
Methyl tert-butyl ether(MTBE)	< 5.01	< 1.00	< 5.01	< 1.00	-	< 1.00	-	< 1.00	-	< 1.00
Methylene Chloride	< 15.0	< 3.00	42.7	< 3.00	-	6.32	-	< 3.00	-	< 3.00
Naphthalene	< 5.23	< 1.05	< 5.23	< 1.05	-	< 1.05	-	< 1.05	-	< 1.05
n-Butylbenzene	< 5.00	< 1.00	< 5.00	< 1.00	-	< 1.00	-	< 1.00	-	< 1.00
o-Xylene	< 4.99	< 1.00	< 4.99	1.54	-	< 1.00	-	< 1.00	-	< 1.00
Propylene	< 5.01	< 1.00	< 5.01	2.00	-	< 1.00	-	< 1.00	-	< 1.00
sec-Butylbenzene	< 5.00	< 1.00	< 5.00	< 1.00	-	< 1.00	-	< 1.00	-	< 1.00
Styrene	< 4.98	< 1.00	< 4.98	< 1.00	-	< 1.00	-	1.06	-	< 1.00
Tetrachloroethene	8.68	0.31	27.3	1.61	-	0.38	-	< 0.25	-	< 0.25
Tetrahydrofuran	< 5.01	< 1.00	< 5.01	< 1.00	-	3.04	-	< 1.00	-	< 1.00
Toluene	< 5.01	2.06	< 5.01	6.55	-	7.31	-	6.4	-	9.91
Trans-1,2-Dichloroethene	< 4.99	< 1.00	< 4.99	< 1.00	-	< 1.00	-	< 1.00	-	< 1.00
trans-1,3-Dichloropropene	< 4.99	< 1.00	< 4.99	< 1.00	-	< 1.00	-	< 1.00	-	< 1.00
Trichloroethene	< 0.99	< 0.20	< 0.99	< 0.20	-	< 0.20	-	< 0.20	-	< 0.20
Trichlorofluoromethane	28	1.16	40.6	1.12	-	1.24	-	1.09	-	< 1.00
Trichlorotrifluoroethane	< 5.00	< 1.00	< 5.00	< 1.00	-	< 1.00	-	< 1.00	-	< 1.00
Vinyl Chloride	< 1.00	< 0.20	< 1.00	< 0.20	-	< 0.20	-	< 0.20	-	< 0.20

Notes:

All samples analyzed using Method T

ug/m³ = micrograms per cubic meter

Bold Value = Result Exceeded Criteria

TABLE 3 (CONTINUED)
SOIL VAPOR AND INDOOR/OUTDOOR AIR SAMPLING RESULTS
MOM's CLEANERS- NYSDEC SITE NO. 152184
UNION BOULEVARD, WEST ISLIP, NEW YORK

Sample No.	CV-SV-3*	CV-IA-3	CV-SV-3*	CV-IA-3	CV-SV-3**	CV-IA-3	CV-SV-3	CV-IA-3	CV-SV-3**	CV-IA-3	CV-SV-3**	CV-IA-3	CV-SV-3**	CV-IA-3
Sample Type	Sub-slab	Indoor Air	Sub-slab	Indoor Air	Sub-slab	Indoor Air	Sub-slab	Indoor Air	Sub-slab	Indoor Air	Sub-slab	Indoor Air	Sub-slab	Indoor Air
Sample Date	3/22/2024		5/23/2024		9/30/2024		12/20/2024		3/28/2025		3/28/2025		9/26/2025	
SSDS	SSDS IN OPERATION													
Volatile Organic Compounds in ug/m ³														
1,1,1,2-Tetrachloroethane	-	< 1.00	-	< 1.00	< 5.00	< 1.00	-	< 1.00	-	< 1.00	-	< 1.00	-	< 1.00
1,1,1-Trichloroethane	-	< 1.00	-	< 1.00	< 5.00	< 1.00	-	< 1.00	-	< 1.00	-	< 1.00	-	< 1.00
1,1,2,2-Tetrachloroethane	-	< 1.00	-	< 1.00	< 5.00	< 1.00	-	< 1.00	-	< 1.00	-	< 1.00	-	< 1.00
1,1,2-Trichloroethane	-	< 1.00	-	< 1.00	< 5.00	< 1.00	-	< 1.00	-	< 1.00	-	< 1.00	-	< 1.00
1,1-Dichloroethane	-	< 1.00	-	< 1.00	< 5.02	< 1.00	-	< 1.00	-	< 1.00	-	< 1.00	-	< 1.00
1,1-Dichloroethene	-	< 0.20	-	< 0.20	< 1.00	< 0.20	-	< 0.20	-	0.87	-	< 0.20	-	< 0.20
1,2,4-Trichlorobenzene	-	< 1.00	-	< 1.00	< 5.00	< 1.00	-	< 1.00	-	< 1.00	-	< 1.00	-	< 1.00
1,2,4-Trimethylbenzene	-	< 1.00	-	< 1.00	< 5.01	< 1.00	-	< 1.00	-	< 1.00	-	< 1.00	-	< 1.00
1,2-Dibromoethane(EDB)	-	< 1.00	-	< 1.00	< 5.00	< 1.00	-	< 1.00	-	< 1.00	-	< 1.00	-	< 1.00
1,2-Dichlorobenzene	-	< 1.00	-	< 1.00	< 5.00	< 1.00	-	< 1.00	-	< 1.00	-	< 1.00	-	< 1.00
1,2-Dichloroethane	-	< 1.00	-	< 1.00	< 5.02	< 1.00	-	< 1.00	-	< 1.00	-	< 1.00	-	< 1.00
1,2-dichloropropane	-	< 1.00	-	< 1.00	< 4.99	< 1.00	-	< 1.00	-	< 1.00	-	< 1.00	-	< 1.00
1,2-Dichlorotetrafluoroethane	-	< 1.00	-	< 1.00	< 5.00	< 1.00	-	< 1.00	-	< 1.00	-	< 1.00	-	< 1.00
1,3,5-Trimethylbenzene	-	< 1.00	-	< 1.00	< 5.01	< 1.00	-	< 1.00	-	< 1.00	-	< 1.00	-	< 1.00
1,3-Butadiene	-	< 1.00	-	< 1.00	< 5.00	< 1.00	-	< 1.00	-	< 1.00	-	< 1.00	-	< 1.00
1,3-Dichlorobenzene	-	< 1.00	-	< 1.00	< 5.00	< 1.00	-	< 1.00	-	< 1.00	-	< 1.00	-	< 1.00
1,4-Dichlorobenzene	-	< 1.00	-	< 1.00	< 5.00	< 1.00	-	< 1.00	-	< 1.00	-	< 1.00	-	< 1.00
1,4-Dioxane	-	< 1.00	-	< 1.00	< 5.01	< 1.00	-	< 1.00	-	< 1.00	-	< 1.00	-	< 1.00
2-Hexanone(MBK)	-	< 1.00	-	< 1.00	< 4.99	< 1.00	-	< 1.00	-	< 1.00	-	< 1.00	-	< 1.00
4-Ethyltoluene	-	< 1.00	-	< 1.00	< 5.01	< 1.00	-	< 1.00	-	< 1.00	-	< 1.00	-	< 1.00
4-Isopropyltoluene	-	< 1.00	-	< 1.00	< 5.00	< 1.00	-	< 1.00	-	< 1.00	-	< 1.00	-	< 1.00
4-Methyl-2-pentanone(MIBK)	-	< 1.00	-	< 1.00	< 4.99	1.76	-	1.00	-	1.36	-	< 1.00	-	< 1.00
Acetone	-	22.1	-	38.5	56.3	51.3	-	63.4	-	41.1	-	33.7	-	22.9
Acrylonitrile	-	< 1.00	-	< 1.00	< 5.01	< 1.00	-	< 1.00	-	< 1.00	-	< 1.00	-	< 1.00
Benzene	-	< 1.00	-	< 1.00	< 5.01	< 1.00	-	< 1.00	-	< 1.00	-	< 1.00	-	< 1.00
Benzyl chloride	-	< 1.00	-	< 1.00	< 5.00	< 1.00	-	< 1.00	-	< 1.00	-	< 1.00	-	< 1.00
Bromodichloromethane	-	< 1.00	-	< 1.00	< 5.00	< 1.00	-	< 1.00	-	< 1.00	-	< 1.00	-	< 1.00
Bromoform	-	< 1.00	-	< 1.00	< 5.00	< 1.00	-	< 1.00	-	< 1.00	-	< 1.00	-	< 1.00
Bromomethane	-	< 1.00	-	< 1.00	< 5.01	< 1.00	-	< 1.00	-	< 1.00	-	< 1.00	-	< 1.00
Carbon Disulfide	-	< 1.00	-	< 1.00	< 5.01	< 1.00	-	< 1.00	-	< 1.00	-	< 1.00	-	< 1.00
Carbon Tetrachloride	-	0.29	-	0.47	< 1.00	0.59	-	0.55	-	0.56	-	0.48	-	0.21
Chlorobenzene	-	< 1.00	-	< 1.00	< 5.01	< 1.00	-	< 1.00	-	< 1.00	-	< 1.00	-	< 1.00
Chloroethane	-	< 1.00	-	< 1.00	< 5.01	< 1.00	-	< 1.00	-	< 1.00	-	< 1.00	-	< 1.00
Chloroform	-	< 1.00	-	< 1.00	< 4.98	< 1.00	-	< 1.00	-	< 1.00	-	< 1.00	-	< 1.00
Chloromethane	-	< 1.00	-	1.58	< 4.99	1.56	-	1.81	-	1.51	-	1.21	-	< 1.00
Cis-1,2-Dichloroethene	-	< 0.20	-	< 0.20	< 1.00	< 0.20	-	< 0.20	-	3.79	-	< 0.20	-	< 0.20
Cis-1,3-Dichloropropene	-	< 1.00	-	< 1.00	< 4.99	< 1.00	-	< 1.00	-	< 1.00	-	< 1.00	-	< 1.00
Cyclohexane	-	< 1.00	-	< 1.00	< 4.99	< 1.00	-	< 1.00	-	< 1.00	-	< 1.00	-	< 1.00
Dibromochloromethane	-	< 1.00	-	< 1.00	< 5.00	< 1.00	-	< 1.00	-	< 1.00	-	< 1.00	-	< 1.00
Dichlorodifluoromethane	-	1.44	-	2.4	< 4.99	2.24	-	2.44	-	2.05	-	2.26	-	1.21
Ethanol	-	2,070	-	1,630	6,270	2,940	-	6,420	-	2,710	-	2,070	-	1,240
Ethyl acetate	-	< 1.00	-	< 1.00	< 5.01	< 1.00	-	2.25	-	1.07	-	< 1.00	-	< 1.00
Ethylbenzene	-	< 1.00	-	< 1.00	< 4.99	< 1.00	-	< 1.00	-	< 1.00	-	< 1.00	-	< 1.00
Heptane	-	< 1.00	-	< 1.00	< 5.00	< 1.00	-	< 1.00	-	< 1.00	-	< 1.00	-	< 1.00
Hexachlorobutadiene	-	< 1.00	-	< 1.00	< 5.00	< 1.00	-	< 1.00	-	< 1.00	-	< 1.00	-	< 1.00
Hexane	-	< 1.00	-	< 1.00	< 5.00	< 1.00	-	< 1.00	-	< 1.00	-	< 1.00	-	< 1.00
Isooctane	-	NA	-	< 1.00	< 4.99	< 1.00	-	< 1.00	-	< 1.00	-	< 1.00	-	< 1.00
Isopropylalcohol	-	715	-	1,050	2,650	764	-	2,200	-	1,100	-	2,280	-	924
Isopropylbenzene	-	< 1.00	-	< 1.00	< 5.01	< 1.00	-	< 1.00	-	< 1.00	-	< 1.00	-	< 1.00
m,p-Xylene	-	< 1.00	-	< 1.00	< 4.99	< 1.00	-	< 1.00	-	< 1.00	-	< 1.00	-	< 1.00
Methyl Ethyl Ketone	-	< 1.00	-	2.42	< 5.01	1.98	-	1.59	-	1.85	-	1.48	-	< 1.00
Methyl tert-butyl ether(MTBE)	-	< 1.00	-	< 1.00	< 5.01	< 1.00	-	< 1.00	-	< 1.00	-	< 1.00	-	< 1.00
Methylene Chloride	-	< 3.00	-	9.20	18.3	18.5	-	10.1	-	4.41	-	< 3.00	-	< 3.00
Naphthalene	-	NA	-	< 1.05	< 5.23	< 1.05	-	< 1.05	-	< 1.05	-	< 1.05	-	< 1.05
n-Butylbenzene	-	< 1.00	-	< 1.00	< 5.00	< 1.00	-	< 1.00	-	< 1.00	-	< 1.00	-	< 1.00
o-Xylene	-	< 1.00	-	< 1.00	< 4.99	< 1.00	-	< 1.00	-	< 1.00	-	< 1.00	-	< 1.00
Propylene	-	< 1.00	-	< 1.00	< 5.01	< 1.00	-	2.03	-	< 1.00	-	< 1.00	-	< 1.00
sec-Butylbenzene	-	< 1.00	-	< 1.00	< 5.00	< 1.00	-	< 1.00	-	< 1.00	-	< 1.00	-	< 1.00
Styrene	-	< 1.00	-	< 1.00	< 4.98	< 1.00	-	< 1.00	-	< 1.00	-	< 1.00	-	< 1.00
Tetrachloroethene	-	< 0.25	-	0.66	< 1.25	< 0.25	-	0.45	-	1.82	-	0.31	-	0.6
Tetrahydrofuran	-	< 1.00	-	< 1.00	< 5.01	< 1.00	-	< 1.00	-	< 1.00	-	< 1.00	-	< 1.00
Toluene	-	< 1.00	-	1.54	< 5.01	1.91	-	3.46	-	3.69	-	1.74	-	< 1.00
Trans-1,2-Dichloroethene	-	< 1.00	-	< 1.00	< 4.99	< 1.00	-	< 1.00	-	< 1.00	-	< 1.00	-	< 1.00
trans-1,3-Dichloropropene	-	< 1.00	-	< 1.00	< 4.99	< 1.00	-	< 1.00	-	< 1.00	-	< 1.00	-	< 1.00
Trichloroethene	-	< 0.20	-	< 0.20	< 0.99	< 0.20	-	0.64	-	2.84	-	< 0.20	-	< 0.20
Trichlorofluoromethane	-	< 1.00	-	1.39	< 5.00	1.12	-	1.21	-	1.18	-	1.07	-	< 1.00
Trichlorotrifluoroethane	-	< 1.00	-	< 1.00	< 5.00	< 1.00	-	< 1.00	-	< 1.00	-	< 1.00	-	< 1.00
Vinyl Chloride	-	< 0.20	-	< 0.20	< 1.00	< 0.20	-	< 0.20	-	< 0.20	-	< 0.20	-	< 0.20

Notes:

All samples analyzed using Method TO-

ug/m³ = micrograms per cubic meter

Bold Value = Result Exceeds Criteria

** Sample collected from monitoring point when SSDS extraction well active and is similar to effluent sample

TABLE 3 (CONTINUED)
SOIL VAPOR AND INDOOR/OUTDOOR AIR SAMPLING RESULTS
MOM'S CLEANERS- NYSDEC SITE NO. 152184
UNION BOULEVARD, WEST ISLIP, NEW YORK

Sample No.	PT-SV-1*	PT-IA-1*	PT-SV-1	PT-IA-1	PT-SV-1	PT-IA-1	PT-SV-1	PT-IA-1	PT-SV-1	PT-IA-1
Sample Type	Sub-slab	Indoor Air	Sub-Slab	Indoor Air	Sub-slab	Indoor Air	Sub-slab	Indoor Air	Sub-slab	Indoor Air
Sample Date	9/30/2024		12/20/2024		3/28/2025		6/27/2025		9/26/2025	
SSDS	SSDS IN OPERATON									
Volatile Organic Compounds in ug/m ³										
1,1,1,2-Tetrachloroethane	-	-	< 5.00	< 1.00	-	< 1.00	-	< 1.00	-	< 1.00
1,1,1-Trichloroethane	-	-	< 5.00	< 1.00	-	< 1.00	-	< 1.00	-	< 1.00
1,1,2,2-Tetrachloroethane	-	-	< 5.00	< 1.00	-	< 1.00	-	< 1.00	-	< 1.00
1,1,2-Trichloroethane	-	-	< 5.00	< 1.00	-	< 1.00	-	< 1.00	-	< 1.00
1,1-Dichloroethane	-	-	< 5.02	< 1.00	-	< 1.00	-	< 1.00	-	< 1.00
1,1-Dichloroethene	-	-	< 1.00	< 0.20	-	< 0.20	-	< 0.20	-	< 0.20
1,2,4-Trichlorobenzene	-	-	< 5.00	< 1.00	-	< 1.00	-	< 1.00	-	< 1.00
1,2,4-Trimethylbenzene	-	-	< 5.01	< 1.00	-	< 1.00	-	< 1.00	-	< 1.00
1,2-Dibromoethane(EDB)	-	-	< 5.00	< 1.00	-	< 1.00	-	< 1.00	-	< 1.00
1,2-Dichlorobenzene	-	-	< 5.00	< 1.00	-	< 1.00	-	< 1.00	-	< 1.00
1,2-Dichloroethane	-	-	< 5.02	< 1.00	-	< 1.00	-	< 1.00	-	< 1.00
1,2-dichloropropane	-	-	< 4.99	< 1.00	-	< 1.00	-	< 1.00	-	< 1.00
1,2-Dichlorotetrafluoroethane	-	-	< 5.00	< 1.00	-	< 1.00	-	< 1.00	-	< 1.00
1,3,5-Trimethylbenzene	-	-	< 5.01	< 1.00	-	< 1.00	-	< 1.00	-	< 1.00
1,3-Butadiene	-	-	< 5.00	< 1.00	-	< 1.00	-	< 1.00	-	< 1.00
1,3-Dichlorobenzene	-	-	< 5.00	< 1.00	-	< 1.00	-	< 1.00	-	< 1.00
1,4-Dichlorobenzene	-	-	< 5.00	< 1.00	-	< 1.00	-	< 1.00	-	< 1.00
1,4-Dioxane	-	-	< 5.01	< 1.00	-	< 1.00	-	< 1.00	-	< 1.00
2-Hexanone(MBK)	-	-	< 4.99	< 1.00	-	< 1.00	-	< 1.00	-	< 1.00
4-Ethyltoluene	-	-	< 5.01	< 1.00	-	< 1.00	-	< 1.00	-	< 1.00
4-Isopropyltoluene	-	-	< 5.00	< 1.00	-	< 1.00	-	< 1.00	-	< 1.00
4-Methyl-2-pentanone(MIBK)	-	-	< 4.99	< 1.00	-	< 1.00	-	< 1.00	-	< 1.00
Acetone	-	-	7.83	35.1	-	24.0	-	28.0	-	62.0
Acrylonitrile	-	-	< 5.01	< 1.00	-	< 1.00	-	< 1.00	-	< 1.00
Benzene	-	-	< 5.01	< 1.00	-	< 1.00	-	< 1.00	-	< 1.00
Benzyl chloride	-	-	< 5.00	< 1.00	-	< 1.00	-	< 1.00	-	< 1.00
Bromodichloromethane	-	-	< 5.00	< 1.00	-	< 1.00	-	< 1.00	-	< 1.00
Bromoform	-	-	< 5.00	< 1.00	-	< 1.00	-	< 1.00	-	< 1.00
Bromomethane	-	-	< 5.01	< 1.00	-	< 1.00	-	< 1.00	-	< 1.00
Carbon Disulfide	-	-	< 5.01	< 1.00	-	< 1.00	-	< 1.00	-	< 1.00
Carbon Tetrachloride	-	-	< 1.00	0.48	-	0.47	-	0.43	-	0.4
Chlorobenzene	-	-	< 5.01	< 1.00	-	< 1.00	-	< 1.00	-	< 1.00
Chloroethane	-	-	< 5.01	< 1.00	-	< 1.00	-	< 1.00	-	< 1.00
Chloroform	-	-	< 4.98	< 1.00	-	< 1.00	-	< 1.00	-	< 1.00
Chloromethane	-	-	< 4.99	1.29	-	1.24	-	< 1.00	-	1.14
Cis-1,2-Dichloroethene	-	-	< 1.00	< 0.20	-	< 0.20	-	< 0.20	-	< 0.20
Cis-1,3-Dichloropropene	-	-	< 4.99	< 1.00	-	< 1.00	-	< 1.00	-	< 1.00
Cyclohexane	-	-	< 4.99	< 1.00	-	< 1.00	-	< 1.00	-	< 1.00
Dibromochloromethane	-	-	< 5.00	< 1.00	-	< 1.00	-	< 1.00	-	< 1.00
Dichlorodifluoromethane	-	-	< 4.99	2.07	-	1.96	-	2.08	-	1.92
Ethanol	-	-	46.7	1660	-	1,060	-	1,210	-	2,750
Ethyl acetate	-	-	< 5.01	1.44	-	< 1.00	-	< 1.00	-	1.79
Ethylbenzene	-	-	< 4.99	< 1.00	-	< 1.00	-	< 1.00	-	< 1.00
Heptane	-	-	< 5.00	< 1.00	-	< 1.00	-	< 1.00	-	< 1.00
Hexachlorobutadiene	-	-	< 5.00	< 1.00	-	< 1.00	-	< 1.00	-	< 1.00
Hexane	-	-	< 5.00	< 1.00	-	< 1.00	-	< 1.00	-	< 1.00
Isooctane	-	-	< 4.99	< 1.00	-	< 1.00	-	< 1.00	-	< 1.00
Isopropylalcohol	-	-	35.9	1,790	-	1,000	-	2,230	-	4,320
Isopropylbenzene	-	-	< 5.01	< 1.00	-	< 1.00	-	< 1.00	-	< 1.00
m,p-Xylene	-	-	< 4.99	< 1.00	-	< 1.00	-	< 1.00	-	< 1.00
Methyl Ethyl Ketone	-	-	< 5.01	2.23	-	1.6	-	1.32	-	2.39
Methyl tert-butyl ether(MTBE)	-	-	< 5.01	< 1.00	-	< 1.00	-	< 1.00	-	< 1.00
Methylene Chloride	-	-	< 15.0	28.3	-	7.08	-	3.82	-	3.4
Naphthalene	-	-	< 5.23	< 1.05	-	< 1.05	-	< 1.05	-	< 1.05
n-Butylbenzene	-	-	< 5.00	< 1.00	-	< 1.00	-	< 1.00	-	< 1.00
o-Xylene	-	-	< 4.99	< 1.00	-	< 1.00	-	< 1.00	-	< 1.00
Propylene	-	-	< 5.01	< 1.00	-	< 1.00	-	< 1.00	-	< 1.00
sec-Butylbenzene	-	-	< 5.00	< 1.00	-	< 1.00	-	< 1.00	-	< 1.00
Styrene	-	-	< 4.98	< 1.00	-	< 1.00	-	< 1.00	-	< 1.00
Tetrachloroethene	-	-	117	0.39	-	0.31	-	< 0.25	-	18.3
Tetrahydrofuran	-	-	< 5.01	< 1.00	-	< 1.00	-	< 1.00	-	< 1.00
Toluene	-	-	< 5.01	2.76	-	2.06	-	1.82	-	2.8
Trans-1,2-Dichloroethene	-	-	< 4.99	< 1.00	-	< 1.00	-	< 1.00	-	< 1.00
trans-1,3-Dichloropropene	-	-	< 4.99	< 1.00	-	< 1.00	-	< 1.00	-	< 1.00
Trichloroethene	-	-	1.37	< 0.20	-	< 0.20	-	< 0.20	-	0.87
Trichlorofluoromethane	-	-	< 5.00	1.08	-	1.04	-	1.02	-	< 1.00
Trichlorotrifluoroethane	-	-	< 5.00	< 1.00	-	< 1.00	-	< 1.00	-	< 1.00
Vinyl Chloride	-	-	< 1.00	< 0.20	-	< 0.20	-	< 0.20	-	< 0.20

Notes:
All samples analyzed using Method TO-15
ug/m³ = micrograms per cubic meter
Bold Value = Result Exceededs Criteria
* Sample not collected due to renovation of tenant space

TABLE 3 (CONTINUED)
SOIL VAPOR AND INDOOR/OUTDOOR AIR SAMPLING RESULTS
MOM's CLEANERS- NYSDEC SITE NO. 152184
UNION BOULEVARD, WEST ISLIP, NEW YORK

Sample No.	AMBIENT				
Sample Type	OUTDOOR AMBIENT				
Sample Date	9/30/2024	12/20/2024	3/28/2025	6/27/2025	9/26/2025
Volatile Organic Compounds in ug/m³					
1,1,1,2-Tetrachloroethane	< 1.00	< 1.00	-	< 1.00	< 1.00
1,1,1-Trichloroethane	< 1.00	< 1.00	-	< 1.00	< 1.00
1,1,2,2-Tetrachloroethane	< 1.00	< 1.00	-	< 1.00	< 1.00
1,1,2-Trichloroethane	< 1.00	< 1.00	-	< 1.00	< 1.00
1,1-Dichloroethane	< 1.00	< 1.00	-	< 1.00	< 1.00
1,1-Dichloroethene	< 0.20	< 0.20	-	< 0.20	< 0.20
1,2,4-Trichlorobenzene	< 1.00	< 1.00	-	< 1.00	< 1.00
1,2,4-Trimethylbenzene	< 1.00	< 1.00	-	< 1.00	< 1.00
1,2-Dibromoethane(EDB)	< 1.00	< 1.00	-	< 1.00	< 1.00
1,2-Dichlorobenzene	< 1.00	< 1.00	-	< 1.00	< 1.00
1,2-Dichloroethane	< 1.00	< 1.00	-	< 1.00	< 1.00
1,2-dichloropropane	< 1.00	< 1.00	-	< 1.00	< 1.00
1,2-Dichlorotetrafluoroethane	< 1.00	< 1.00	-	< 1.00	< 1.00
1,3,5-Trimethylbenzene	< 1.00	< 1.00	-	< 1.00	< 1.00
1,3-Butadiene	< 1.00	< 1.00	-	< 1.00	< 1.00
1,3-Dichlorobenzene	< 1.00	< 1.00	-	< 1.00	< 1.00
1,4-Dichlorobenzene	< 1.00	< 1.00	-	< 1.00	< 1.00
1,4-Dioxane	< 1.00	< 1.00	-	< 1.00	< 1.00
2-Hexanone(MBK)	< 1.00	< 1.00	-	< 1.00	< 1.00
4-Ethyltoluene	< 1.00	< 1.00	-	< 1.00	< 1.00
4-Isopropyltoluene	< 1.00	< 1.00	-	< 1.00	< 1.00
4-Methyl-2-pentanone(MIBK)	< 1.00	< 1.00	-	< 1.00	< 1.00
Acetone	12.7	4.13	-	3.47	10.70
Acrylonitrile	< 1.00	< 1.00	-	< 1.00	< 1.00
Benzene	< 1.00	< 1.00	-	< 1.00	< 1.00
Benzyl chloride	< 1.00	< 1.00	-	< 1.00	< 1.00
Bromodichloromethane	< 1.00	< 1.00	-	< 1.00	< 1.00
Bromoform	< 1.00	< 1.00	-	< 1.00	< 1.00
Bromomethane	< 1.00	< 1.00	-	< 1.00	< 1.00
Carbon Disulfide	< 1.00	< 1.00	-	< 1.00	< 1.00
Carbon Tetrachloride	0.56	0.50	-	0.41	0.50
Chlorobenzene	< 1.00	< 1.00	-	< 1.00	< 1.00
Chloroethane	< 1.00	< 1.00	-	< 1.00	< 1.00
Chloroform	< 1.00	< 1.00	-	< 1.00	< 1.00
Chloromethane	1.22	1.37	-	< 1.00	1.42
Cis-1,2-Dichloroethene	< 0.20	< 0.20	-	< 0.20	< 0.20
Cis-1,3-Dichloropropene	< 1.00	< 1.00	-	< 1.00	< 1.00
Cyclohexane	< 1.00	< 1.00	-	< 1.00	< 1.00
Dibromochloromethane	< 1.00	< 1.00	-	< 1.00	< 1.00
Dichlorodifluoromethane	2.24	2.40	-	2.04	2.31
Ethanol	14.1	14.1	-	3.82	9.51
Ethyl acetate	< 1.00	< 1.00	-	< 1.00	< 1.00
Ethylbenzene	< 1.00	< 1.00	-	< 1.00	< 1.00
Heptane	< 1.00	< 1.00	-	< 1.00	< 1.00
Hexachlorobutadiene	< 1.00	< 1.00	-	< 1.00	< 1.00
Hexane	< 1.00	< 1.00	-	< 1.00	< 1.00
Isooctane	< 1.00	< 1.00	-	< 1.00	< 1.00
Isopropylalcohol	26.0	27.8	-	2.05	1.30
Isopropylbenzene	< 1.00	< 1.00	-	< 1.00	< 1.00
m,p-Xylene	< 1.00	< 1.00	-	< 1.00	< 1.00
Methyl Ethyl Ketone	< 1.00	< 1.00	-	< 1.00	1.12
Methyl tert-butyl ether(MTBE)	< 1.00	< 1.00	-	< 1.00	< 1.00
Methylene Chloride	< 3.00	< 3.00	-	< 3.00	< 3.00
Naphthalene	< 1.05	< 1.05	-	< 1.05	< 1.05
n-Butylbenzene	< 1.00	< 1.00	-	< 1.00	< 1.00
o-Xylene	< 1.00	< 1.00	-	< 1.00	< 1.00
Propylene	< 1.00	< 1.00	-	< 1.00	< 1.00
sec-Butylbenzene	< 1.00	< 1.00	-	< 1.00	< 1.00
Styrene	< 1.00	< 1.00	-	< 1.00	< 1.00
Tetrachloroethene	< 0.25	< 0.25	-	< 0.25	< 0.25
Tetrahydrofuran	< 1.00	< 1.00	-	< 1.00	< 1.00
Toluene	< 1.00	< 1.00	-	< 1.00	1.43
Trans-1,2-Dichloroethene	< 1.00	< 1.00	-	< 1.00	< 1.00
trans-1,3-Dichloropropene	< 1.00	< 1.00	-	< 1.00	< 1.00
Trichloroethene	< 0.20	< 0.20	-	< 0.20	< 0.20
Trichlorofluoromethane	1.17	1.31	-	1.09	1.24
Trichlorotrifluoroethane	< 1.00	< 1.00	-	< 1.00	< 1.00
Vinyl Chloride	< 0.20	< 0.20	-	< 0.20	< 0.20

Notes:

All samples analyzed using Method TO.

* Sample not collected due to apparent faulty regulator

Bold Value = Result Exceeds Criteria

3/28/2025 Not Sampled due to faulty air canister

TABLE 4
SUMMARIZED SOIL VAPOR AND INDOOR/OUTDOOR AIR SAMPLING RESULTS
MOM's CLEANERS- NYSDEC SITE NO. 152184
UNION BOULEVARD, WEST ISLIP, NEW YORK

Sample No.	CV-SV-1	CV-IA-1	CV-IA-1				
Sample Type	Sub-Slab	Indoor Air	Sub-Slab	Indoor Air			
Sample Date	9/30/2024		12/20/2024		3/28/2025	6/27/2025	9/26/2025
SSDS	SSDS IN OPERATION						
Volatile Organic Compounds in ug/m ³							
Acetone	17.7	66.2	19.8	41.5	31.8	19.4	78.3
Carbon Tetrachloride	< 1.00	0.6	< 1.00	0.47	0.5	0.43	0.47
Chloromethane	< 4.99	1.53	< 4.99	2.60	1.24	1.05	1.38
Dichlorodifluoromethane	< 4.99	2.26	< 4.99	1.85	1.84	1.89	2.52
Ethanol	378	2430	226	2,010	1,650	1,740	2,200
Ethyl acetate	< 5.01	2.09	< 5.01	1.56	1.87	1.37	4.79
Isopropylalcohol	467	921	423	1,570	1,030	2,920	1,570
Methyl Ethyl Ketone	< 5.01	1.67	< 5.01	1.85	2.02	2.71	1.92
Tetrahydrofuran	< 5.01	< 5.01	< 5.01	< 1.00	< 1.00	< 1.00	< 1.00
Toluene	< 5.01	2.4	< 5.01	3.31	4.26	2.43	3.72
Trichlorofluoromethane	< 5.00	< 1.00	< 5.00	1.06	1.04	1.01	1.27

Notes:

All samples analyzed using Method TO-15

ug/m³ = micrograms per cubic meter

Bold Value = Result Exceeds Criteria

TABLE 4 (CONTINUED)
SUMMARIZED SOIL VAPOR AND INDOOR/OUTDOOR AIR SAMPLING RESULTS
MOM's CLEANERS- NYSDEC SITE NO. 152184
UNION BOULEVARD, WEST ISLIP, NEW YORK

Sample No.	CV-SV-2	CV-IA-2	CV-SV-2	CV-IA-2			
Sample Type	Sub-slab	Indoor Air	Sub-slab	Indoor Air			
Sample Date	9/30/2024	9/30/2024	12/20/2024		3/28/2025	6/27/2025	9/26/2025
SSDS	SSDS IN OPERATION						
Volatile Organic Compounds in ug/m ³							
1,2,4-Trimethylbenzene	< 5.01	< 5.01	< 5.01	1.37	< 1.00	< 1.00	< 1.00
4-Ethyltoluene	< 1.00	< 1.00	< 5.01	1.26	< 1.00	< 1.00	< 1.00
Acetone	304.0	60.8	197	40.8	48.2	39.4	58.2
Carbon Tetrachloride	< 1.00	0.59	< 1.00	0.46	0.55	0.57	0.41
Chloromethane	< 4.99	1.62	< 4.99	1.38	1.37	1.11	1.38
Dichlorodifluoromethane	15.5	2.42	16.7	2.04	2.18	2.09	2.17
Ethanol	318	2,660	130	3,620	1,840	3,670	5,290
Ethyl acetate	< 5.01	1.3	< 5.01	1.47	1.67	2.72	2.45
Isooctane	< 1.00	< 1.00	< 4.99	2.33	< 1.00	< 1.00	< 1.00
Isopropylalcohol	1,700	828	518	1,600	1,200	3,880	2,700
Methyl Ethyl Ketone	< 5.01	1.65	< 5.01	1.02	4.69	2.45	1.97
Tetrachloroethene	<0.25	<0.25	27.3	1.61	0.38	<0.25	< 0.25
Tetrahydrofuran	<1.00	<1.00	< 5.01	< 1.00	3.04	<1.00	< 1.00
Toluene	< 5.01	2.06	< 5.01	6.55	7.31	6.4	9.91
Trichlorofluoromethane	< 1.00	< 1.00	40.6	1.12	1.24	1.09	< 1.00

Notes:

All samples analyzed using Method TO-15

ug/m³ = micrograms per cubic meter

Bold Value = Result Exceeds Criteria

TABLE 4 (CONTINUED)
SUMARIZED SOIL VAPOR AND INDOOR/OUTDOOR AIR SAMPLING RESULTS
MOM's CLEANERS- NYSDEC SITE NO. 152184
UNION BOULEVARD, WEST ISLIP, NEW YORK

Sample No.	CV-SV-3	CV-IA-3	CV-SV-3	CV-IA-3			
Sample Type	Sub-Slab	Indoor Air	Sub-Slab	Indoor Air			
Sample Date	9/30/2024		12/20/2024		3/28/2025	3/28/2025	9/26/2025
SSDS	SSDS IN OPERATION						
Volatile Organic Compounds in ug/m ³							
Acetone	56.3	51.3	-	63.4	41.1	33.7	22.9
Carbon Tetrachloride	< 1.00	0.59	-	0.55	0.56	0.48	0.21
Chloromethane	< 1.00	< 1.00	-	1.81	1.51	1.21	< 1.00
Dichlorodifluoromethane	< 4.99	2.24	-	2.44	2.05	2.26	1.21
Ethanol	6,270	2,940	-	6,420	2,710	2,070	1,240
Isopropylalcohol	2,650	764	-	2,200	1,100	2,280	924
Methyl Ethyl Ketone	< 5.01	< 5.01	-	1.59	1.85	1.48	< 1.00
Toluene	< 5.01	< 5.01	-	3.46	3.69	1.74	< 1.00
Trichlorofluoromethane	< 1.00	< 1.00	-	1.21	1.18	1.07	< 1.00

Notes:

All samples analyzed using Method TO-15

ug/m³ = micrograms per cubic meter

Bold Value = Result Exceededs Criteria

** Sample collected from moniotring point when SSDS extraction well active and is similar to effleunt sample

- Not Sampled

TABLE 4 (CONTINUED)
SUMMARIZED SOIL VAPOR AND INDOOR/OUTDOOR AIR SAMPLING RESULTS
MOM'S CLEANERS- NYSDEC SITE NO. 152184
UNION BOULEVARD, WEST ISLIP, NEW YORK

Sample No.	PT-SV-1	PT-IA-1	PT-IA-1				
Sample Type	Indoor Air	Sub-Slab	Sub-Slab	Indoor Air			
Sample Date	9/30/2024		12/20/2024		3/28/2025	6/27/2025	9/26/2025
SSDS	SSDS IN OPERATION						
Volatile Organic Compounds in ug/m ³							
Acetone	-	-	7.83	35.1	24.0	28.0	62.0
Carbon Tetrachloride	-	-	< 1.00	0.48	0.47	0.43	0.4
Chloromethane	-	-	< 4.99	1.29	1.24	<1.00	1.14
Dichlorodifluoromethane	-	-	< 4.99	2.07	1.96	2.08	1.92
Ethanol	-	-	46.7	1660	1,060	1,210	2,750
Ethyl acetate	-	-	< 5.01	1.44	< 1.00	< 1.00	1.79
Isopropylalcohol	-	-	35.9	1,790	1,000	2,230	4,320
Methyl Ethyl Ketone	-	-	< 5.01	2.23	1.6	1.32	2.39
Methylene Chloride	-	-	< 15.0	28.3	7.08	3.82	3.4
Tetrachloroethene	-	-	117	0.39	0.31	<0.25	18.3
Toluene	-	-	< 5.01	2.76	2.06	1.82	2.8
Trichloroethene	-	-	1.37	< 0.20	< 0.20	< 0.20	0.87
Trichlorofluoromethane	-	-	< 5.00	1.08	1.04	1.02	< 1.00

Notes:

All samples analyzed using Method TO-15

ug/m³ = micrograms per cubic meter

Bold Value = Result Exceeds Criteria

* Sample not collected due to renovation of tenant space

- Not Sampled

TABLE 4 (CONTINUED)
SUMMARIZED SOIL VAPOR AND INDOOR/OUTDOOR AIR SAMPLING RESULTS
MOM's CLEANERS- NYSDEC SITE NO. 152184
UNION BOULEVARD, WEST ISLIP, NEW YORK

Sample No.	AMBIENT				
Sample Type	OUTDOOR AMBIENT				
Sample Date	9/30/2024	12/20/2024	3/28/2025	6/27/2025	9/26/2025
Volatile Organic Compounds in ug/m³					
Acetone	12.70	4.13	-	3.47	10.70
Carbon Tetrachloride	0.56	0.50	-	0.41	0.50
Chloromethane	1.22	1.37	-	<1.00	1.42
Dichlorodifluoromethane	2.24	2.40	-	2.04	2.31
Ethanol	14.1	14.1	-	3.82	9.51
Isopropylalcohol	26.0	27.8	-	2.05	1.30
Tetrachloroethene	< 0.25	< 0.25	-	< 0.25	< 0.25
Trichlorofluoromethane	1.17	1.31	-	1.09	1.24

Notes:

All samples analyzed using Method TO-15

* Sample not collected due to apparent faulty regulator

Bold Value = Result Exceeds Criteria

3/28/2025 Not Sampled due to faulty air canister

ATTACHMENT A
SSDS CHECKLIST

SUB-SLAB DEPRESSURIZATION SYSTEM INSPECTION CHECKLIST

Location: Mom's Cleaners - NYSDEC Site No.152184,

540 Union Boulevard, West Islip, NY

Date: 9/26/25

Time: 07:30

Inspector Name and Organization: Jake Stumm and Steven VanDood, FPM Group

Physical Inspection of Fan Operational?

☒ Yes

No (circle one)

Any Leaks Observed at Seals?

Yes

☒ No

(circle one)

Vacuum reading: -4.71 inches of water

Describe any non-operational, leaking, or no-flow conditions: None

Other Comments or Observations: None

Repairs and/or Maintenance Needed at this Time? If so, describe: None



Photo #1 – View of rooftop SSDS fan in operation.

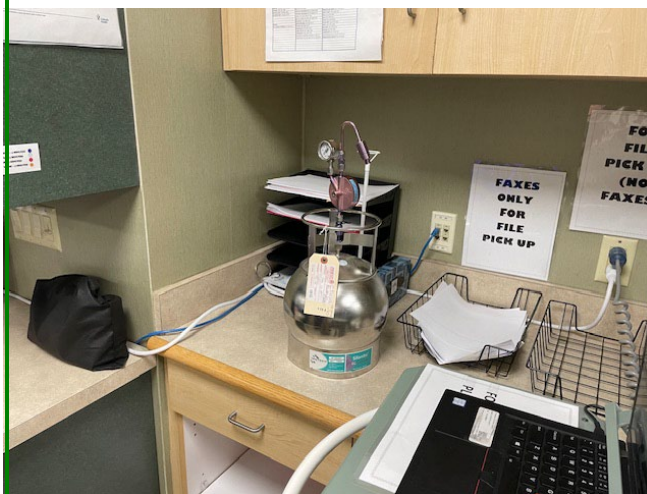


Photo #2 – View of CV-IA-1 location during sampling.



Photo #3 –View of CV-IA-2 location.



Photo #4 – View of Effluent sample during collection.

**ATTACHMENT B
LABORATORY REPORT**



587 East Middle Turnpike, P.O. Box 370, Manchester, CT 06040
Telephone: 860.645.1102 • Fax: 860.645.0823

NY ANALYTICAL SERVICES PROTOCOL DATA PACKAGE

FPM Group
CAPTREE

GCU37304

Ver 1

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Thursday, December 18, 2025

Attn: Mr John Bukoski, PG
FPM Group
640 Johnson Avenue, Suite 101
Bohemia, NY 11716

Project ID: CAPTREE
SDG ID: GCU37304
Sample ID#s: CU37304 - CU37309

This laboratory is in compliance with the NELAC requirements of procedures used except where indicated.

This report contains results for the parameters tested, under the sampling conditions described on the Chain Of Custody, as received by the laboratory. This report is incomplete unless all pages indicated in the pagination at the bottom of the page are included.

A scanned version of the COC form accompanies the analytical report and is an exact duplicate of the original.

The contents of this report cannot be discussed with anyone other than the client listed above without their written consent.

Sincerely yours,

A handwritten signature in black ink, appearing to read "Phyllis Shiller".

Phyllis Shiller
Laboratory Director

NELAC - #NY11301
CT Lab Registration #PH-0618
MA Lab Registration #M-CT007
ME Lab Registration #CT-007
NH Lab Registration #213693-A,B

NJ Lab Registration #CT-003
NY Lab Registration #11301
PA Lab Registration #68-03530
RI Lab Registration #63
VT Lab Registration #VT11301



Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823



**NY ANALYTICAL SERVICES PROTOCOL
DATA PACKAGE**

Client: FPM Group
Project: CAPTREE
Laboratory Project: GCU37304



Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06040
Tel. (860) 645-1102 Fax (860) 645-0823



NY Analytical Services Protocol Format

December 18, 2025

SDG I.D.: GCU37304

FPM Group CAPTREE

Methodology Summary

Volatiles in Air

Compendium of Methods for the Determination of Toxic Organic Compounds in Ambient Air: Method TO-15, Second Edition, U. S. Environmental Protection Agency, January 1999.



Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06040
Tel. (860) 645-1102 Fax (860) 645-0823



NY Analytical Services Protocol Format

December 18, 2025

SDG I.D.: GCU37304

FPM Group CAPTREE

Laboratory Chronicle

Sample	Analysis	Collection Date	Prep Date	Analysis Date	Analyst	Hold Time Met
CU37304	Volatiles (TO15)	09/26/25	09/30/25	09/30/25	KCA	Y
CU37305	Volatiles (TO15)	09/26/25	09/30/25	09/30/25	KCA	Y
CU37306	Volatiles (TO15)	09/26/25	09/30/25	09/30/25	KCA	Y
CU37307	Volatiles (TO15)	09/26/25	09/30/25	09/30/25	KCA	Y
CU37308	Volatiles (TO15)	09/26/25	09/30/25	09/30/25	KCA	Y
CU37309	Volatiles (TO15)	09/26/25	09/30/25	09/30/25	KCA	Y



Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823



SDG Comments

December 18, 2025

SDG I.D.: GCU37304

Any compound that is not detected above the MDL/LOD is reported as ND on the report and is reported in the electronic deliverables (EDD) as <RL or U at the RL per state and EPA guidance.

Version 1: Analysis results minus raw data.

Version 2: Complete report with raw data.



Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823



Sample Id Cross Reference

December 18, 2025

SDG I.D.: GCU37304

Project ID: CAPTREE

Client Id	Lab Id	Matrix	Col Date
CV-IA-1	CU37304	AIR	09/26/25 14:45
CV-IA-3	CU37305	AIR	09/26/25 14:50
EFFLUENT	CU37306	AIR	09/26/25 14:52
OUTDOOR AMBIENT	CU37307	AIR	09/26/25 14:40
CV-IA-2	CU37308	AIR	09/26/25 14:52
PT-IA-1	CU37309	AIR	09/26/25 14:35



Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102



Analysis Report

December 18, 2025

FOR: Attn: Mr John Bukoski, PG
FPM Group
640 Johnson Avenue, Suite 101
Bohemia, NY 11716

Sample Information

Matrix: AIR
Location Code: FPMGROUP
Rush Request: Standard
P.O.#:
Canister Id: 13652

Custody Information

Collected by: JS,MS,SV
Received by: CP
Analyzed by: see "By" below

Date Time
09/26/25 14:45
09/29/25 19:45

Project ID: CAPTREE
Client ID: CV-IA-1

Laboratory Data

SDG ID: GCU37304
Phoenix ID: CU37304

Parameter	ppbv Result	ppbv RL	LOD/ MDL	ug/m3 Result	ug/m3 RL	LOD/ MDL	Date/Time	By	Dilution
<u>Volatiles (TO15)</u>									
1,1,1,2-Tetrachloroethane	ND	0.146	0.146	ND	1.00	1.00	09/30/25	KCA	1
1,1,1-Trichloroethane	ND	0.183	0.183	ND	1.00	1.00	09/30/25	KCA	1
1,1,2,2-Tetrachloroethane	ND	0.146	0.146	ND	1.00	1.00	09/30/25	KCA	1
1,1,2-Trichloroethane	ND	0.183	0.183	ND	1.00	1.00	09/30/25	KCA	1
1,1-Dichloroethane	ND	0.247	0.247	ND	1.00	1.00	09/30/25	KCA	1
1,1-Dichloroethene	ND	0.051	0.051	ND	0.20	0.20	09/30/25	KCA	1
1,2,4-Trichlorobenzene	ND	0.135	0.135	ND	1.00	1.00	09/30/25	KCA	1
1,2,4-Trimethylbenzene	ND	0.204	0.204	ND	1.00	1.00	09/30/25	KCA	1
1,2-Dibromoethane(EDB)	ND	0.130	0.130	ND	1.00	1.00	09/30/25	KCA	1
1,2-Dichlorobenzene	ND	0.166	0.166	ND	1.00	1.00	09/30/25	KCA	1
1,2-Dichloroethane	ND	0.247	0.247	ND	1.00	1.00	09/30/25	KCA	1
1,2-dichloropropane	ND	0.217	0.217	ND	1.00	1.00	09/30/25	KCA	1
1,2-Dichlorotetrafluoroethane	ND	0.143	0.143	ND	1.00	1.00	09/30/25	KCA	1
1,3,5-Trimethylbenzene	ND	0.204	0.204	ND	1.00	1.00	09/30/25	KCA	1
1,3-Butadiene	ND	0.452	0.452	ND	1.00	1.00	09/30/25	KCA	1
1,3-Dichlorobenzene	ND	0.166	0.166	ND	1.00	1.00	09/30/25	KCA	1
1,4-Dichlorobenzene	ND	0.166	0.166	ND	1.00	1.00	09/30/25	KCA	1
1,4-Dioxane	ND	0.278	0.278	ND	1.00	1.00	09/30/25	KCA	1
2-Hexanone(MBK)	ND	0.244	0.244	ND	1.00	1.00	09/30/25	KCA	1
4-Ethyltoluene	ND	0.204	0.204	ND	1.00	1.00	09/30/25	KCA	1
4-Isopropyltoluene	ND	0.182	0.182	ND	1.00	1.00	09/30/25	KCA	1
4-Methyl-2-pentanone(MIBK)	ND	0.244	0.244	ND	1.00	1.00	09/30/25	KCA	1
Acetone	33.0	0.421	0.421	78.3	1.00	1.00	09/30/25	KCA	1
Acrylonitrile	ND	0.461	0.461	ND	1.00	1.00	09/30/25	KCA	1
Benzene	ND	0.313	0.313	ND	1.00	1.00	09/30/25	KCA	1
Benzyl chloride	ND	0.193	0.193	ND	1.00	1.00	09/30/25	KCA	1

Parameter	ppbv Result	ppbv RL	LOD/ MDL	ug/m3 Result	ug/m3 RL	LOD/ MDL	Date/Time	By	Dilution
Bromodichloromethane	ND	0.149	0.149	ND	1.00	1.00	09/30/25	KCA	1
Bromoform	ND	0.097	0.097	ND	1.00	1.00	09/30/25	KCA	1
Bromomethane	ND	0.258	0.258	ND	1.00	1.00	09/30/25	KCA	1
Carbon Disulfide	ND	0.321	0.321	ND	1.00	1.00	09/30/25	KCA	1
Carbon Tetrachloride	0.075	0.032	0.032	0.47	0.20	0.20	09/30/25	KCA	1
Chlorobenzene	ND	0.217	0.217	ND	1.00	1.00	09/30/25	KCA	1
Chloroethane	ND	0.379	0.379	ND	1.00	1.00	09/30/25	KCA	1
Chloroform	ND	0.205	0.205	ND	1.00	1.00	09/30/25	KCA	1
Chloromethane	0.669	0.485	0.485	1.38	1.00	1.00	09/30/25	KCA	1
Cis-1,2-Dichloroethene	ND	0.051	0.051	ND	0.20	0.20	09/30/25	KCA	1
cis-1,3-Dichloropropene	ND	0.221	0.221	ND	1.00	1.00	09/30/25	KCA	1
Cyclohexane	ND	0.291	0.291	ND	1.00	1.00	09/30/25	KCA	1
Dibromochloromethane	ND	0.118	0.118	ND	1.00	1.00	09/30/25	KCA	1
Dichlorodifluoromethane	0.509	0.202	0.202	2.52	1.00	1.00	09/30/25	KCA	1
Ethanol	1170	E 0.531	0.531	2200	1.00	1.00	09/30/25	KCA	1 1
Ethyl acetate	1.33	0.278	0.278	4.79	1.00	1.00	09/30/25	KCA	1 1
Ethylbenzene	ND	0.230	0.230	ND	1.00	1.00	09/30/25	KCA	1
Heptane	ND	0.244	0.244	ND	1.00	1.00	09/30/25	KCA	1
Hexachlorobutadiene	ND	0.094	0.094	ND	1.00	1.00	09/30/25	KCA	1
Hexane	ND	0.284	0.284	ND	1.00	1.00	09/30/25	KCA	1
Isooctane	ND	0.215	0.215	ND	1.00	1.00	09/30/25	KCA	1
Isopropylalcohol	640	E 0.407	0.407	1570	1.00	1.00	09/30/25	KCA	1
Isopropylbenzene	ND	0.204	0.204	ND	1.00	1.00	09/30/25	KCA	1
m,p-Xylene	0.265	0.230	0.230	1.15	1.00	1.00	09/30/25	KCA	1
Methyl Ethyl Ketone	0.651	0.339	0.339	1.92	1.00	1.00	09/30/25	KCA	1
Methyl tert-butyl ether(MTBE)	ND	0.278	0.278	ND	1.00	1.00	09/30/25	KCA	1
Methylene Chloride	ND	0.863	0.863	ND	3.00	3.00	09/30/25	KCA	1
Naphthalene	ND	0.200	0.200	ND	1.05	1.05	09/30/25	KCA	1
n-Butylbenzene	ND	0.182	0.182	ND	1.00	1.00	09/30/25	KCA	1 1
o-Xylene	ND	0.230	0.230	ND	1.00	1.00	09/30/25	KCA	1
Propylene	ND	0.581	0.581	ND	1.00	1.00	09/30/25	KCA	1 1
sec-Butylbenzene	ND	0.182	0.182	ND	1.00	1.00	09/30/25	KCA	1 1
Styrene	ND	0.235	0.235	ND	1.00	1.00	09/30/25	KCA	1
Tetrachloroethene	0.062	0.037	0.037	0.42	0.25	0.25	09/30/25	KCA	1
Tetrahydrofuran	ND	0.339	0.339	ND	1.00	1.00	09/30/25	KCA	1 1
Toluene	0.987	0.266	0.266	3.72	1.00	1.00	09/30/25	KCA	1
Trans-1,2-Dichloroethene	ND	0.252	0.252	ND	1.00	1.00	09/30/25	KCA	1
trans-1,3-Dichloropropene	ND	0.221	0.221	ND	1.00	1.00	09/30/25	KCA	1
Trichloroethene	ND	0.037	0.037	ND	0.20	0.20	09/30/25	KCA	1
Trichlorofluoromethane	0.227	0.178	0.178	1.27	1.00	1.00	09/30/25	KCA	1
Trichlorotrifluoroethane	ND	0.131	0.131	ND	1.00	1.00	09/30/25	KCA	1
Vinyl Chloride	ND	0.078	0.078	ND	0.20	0.20	09/30/25	KCA	1
<u>QA/QC Surrogates/Internals</u>									
% Bromofluorobenzene	95	%	%	95	%	%	09/30/25	KCA	1
% IS-1,4-Difluorobenzene	99	%	%	99	%	%	09/30/25	KCA	1
% IS-Bromochloromethane	99	%	%	99	%	%	09/30/25	KCA	1
% IS-Chlorobenzene-d5	101	%	%	101	%	%	09/30/25	KCA	1

Parameter	ppbv Result	ppbv RL	LOD/ MDL	ug/m3 Result	ug/m3 RL	LOD/ MDL	Date/Time	By	Dilution

1 = This parameter is not certified by the primary accrediting authority (NY NELAC) for this matrix. NY NELAC does not offer certification for all parameters at this time.

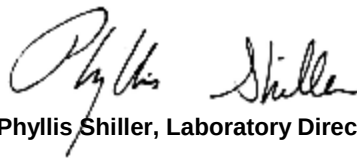
RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quantitation) ND=Not Detected BRL=Below Reporting Level L=Biased Low LOD=Limit of Detection MDL=Method Detection Limit1

QA/QC Surrogates: Surrogates are compounds (preceded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

Comments:

E = Estimated value quantitated above calibration range for this compound.

If you are the client above and have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext.200. The contents of this report cannot be discussed with anyone other than the client listed above without their written consent.



Phyllis Shiller, Laboratory Director

December 18, 2025

Reviewed and Released by: Greg Lawrence, Assistant Lab Director



Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102



Analysis Report

December 18, 2025

FOR: Attn: Mr John Bukoski, PG
FPM Group
640 Johnson Avenue, Suite 101
Bohemia, NY 11716

Sample Information

Matrix: AIR
Location Code: FPMGROUP
Rush Request: Standard
P.O.#:
Canister Id: 28592
Project ID: CAPTREE
Client ID: CV-IA-3

Custody Information

Collected by: JS,MS,SV
Received by: CP
Analyzed by: see "By" below

Date Time
09/26/25 14:50
09/29/25 19:45

Laboratory Data

SDG ID: GCU37304
Phoenix ID: CU37305

Parameter	ppbv Result	ppbv RL	LOD/ MDL	ug/m3 Result	ug/m3 RL	LOD/ MDL	Date/Time	By	Dilution	
<u>Volatiles (TO15)</u>										
1,1,1,2-Tetrachloroethane	ND	0.146	0.146	ND	1.00	1.00	09/30/25	KCA	1	1
1,1,1-Trichloroethane	ND	0.183	0.183	ND	1.00	1.00	09/30/25	KCA	1	
1,1,2,2-Tetrachloroethane	ND	0.146	0.146	ND	1.00	1.00	09/30/25	KCA	1	
1,1,2-Trichloroethane	ND	0.183	0.183	ND	1.00	1.00	09/30/25	KCA	1	
1,1-Dichloroethane	ND	0.247	0.247	ND	1.00	1.00	09/30/25	KCA	1	
1,1-Dichloroethene	ND	0.051	0.051	ND	0.20	0.20	09/30/25	KCA	1	
1,2,4-Trichlorobenzene	ND	0.135	0.135	ND	1.00	1.00	09/30/25	KCA	1	
1,2,4-Trimethylbenzene	ND	0.204	0.204	ND	1.00	1.00	09/30/25	KCA	1	
1,2-Dibromoethane(EDB)	ND	0.130	0.130	ND	1.00	1.00	09/30/25	KCA	1	
1,2-Dichlorobenzene	ND	0.166	0.166	ND	1.00	1.00	09/30/25	KCA	1	
1,2-Dichloroethane	ND	0.247	0.247	ND	1.00	1.00	09/30/25	KCA	1	
1,2-dichloropropane	ND	0.217	0.217	ND	1.00	1.00	09/30/25	KCA	1	
1,2-Dichlorotetrafluoroethane	ND	0.143	0.143	ND	1.00	1.00	09/30/25	KCA	1	
1,3,5-Trimethylbenzene	ND	0.204	0.204	ND	1.00	1.00	09/30/25	KCA	1	
1,3-Butadiene	ND	0.452	0.452	ND	1.00	1.00	09/30/25	KCA	1	
1,3-Dichlorobenzene	ND	0.166	0.166	ND	1.00	1.00	09/30/25	KCA	1	
1,4-Dichlorobenzene	ND	0.166	0.166	ND	1.00	1.00	09/30/25	KCA	1	
1,4-Dioxane	ND	0.278	0.278	ND	1.00	1.00	09/30/25	KCA	1	
2-Hexanone(MBK)	ND	0.244	0.244	ND	1.00	1.00	09/30/25	KCA	1	1
4-Ethyltoluene	ND	0.204	0.204	ND	1.00	1.00	09/30/25	KCA	1	1
4-Isopropyltoluene	ND	0.182	0.182	ND	1.00	1.00	09/30/25	KCA	1	1
4-Methyl-2-pentanone(MIBK)	ND	0.244	0.244	ND	1.00	1.00	09/30/25	KCA	1	
Acetone	9.64	0.421	0.421	22.9	1.00	1.00	09/30/25	KCA	1	
Acrylonitrile	ND	0.461	0.461	ND	1.00	1.00	09/30/25	KCA	1	
Benzene	ND	0.313	0.313	ND	1.00	1.00	09/30/25	KCA	1	
Benzyl chloride	ND	0.193	0.193	ND	1.00	1.00	09/30/25	KCA	1	

Parameter	ppbv Result	ppbv RL	LOD/ MDL	ug/m3 Result	ug/m3 RL	LOD/ MDL	Date/Time	By	Dilution
Bromodichloromethane	ND	0.149	0.149	ND	1.00	1.00	09/30/25	KCA	1
Bromoform	ND	0.097	0.097	ND	1.00	1.00	09/30/25	KCA	1
Bromomethane	ND	0.258	0.258	ND	1.00	1.00	09/30/25	KCA	1
Carbon Disulfide	ND	0.321	0.321	ND	1.00	1.00	09/30/25	KCA	1
Carbon Tetrachloride	0.034	0.032	0.032	0.21	0.20	0.20	09/30/25	KCA	1
Chlorobenzene	ND	0.217	0.217	ND	1.00	1.00	09/30/25	KCA	1
Chloroethane	ND	0.379	0.379	ND	1.00	1.00	09/30/25	KCA	1
Chloroform	ND	0.205	0.205	ND	1.00	1.00	09/30/25	KCA	1
Chloromethane	ND	0.485	0.485	ND	1.00	1.00	09/30/25	KCA	1
Cis-1,2-Dichloroethene	ND	0.051	0.051	ND	0.20	0.20	09/30/25	KCA	1
cis-1,3-Dichloropropene	ND	0.221	0.221	ND	1.00	1.00	09/30/25	KCA	1
Cyclohexane	ND	0.291	0.291	ND	1.00	1.00	09/30/25	KCA	1
Dibromochloromethane	ND	0.118	0.118	ND	1.00	1.00	09/30/25	KCA	1
Dichlorodifluoromethane	0.245	0.202	0.202	1.21	1.00	1.00	09/30/25	KCA	1
Ethanol	661	E 0.531	0.531	1240	1.00	1.00	09/30/25	KCA	1
Ethyl acetate	ND	0.278	0.278	ND	1.00	1.00	09/30/25	KCA	1
Ethylbenzene	ND	0.230	0.230	ND	1.00	1.00	09/30/25	KCA	1
Heptane	ND	0.244	0.244	ND	1.00	1.00	09/30/25	KCA	1
Hexachlorobutadiene	ND	0.094	0.094	ND	1.00	1.00	09/30/25	KCA	1
Hexane	ND	0.284	0.284	ND	1.00	1.00	09/30/25	KCA	1
Isooctane	ND	0.215	0.215	ND	1.00	1.00	09/30/25	KCA	1
Isopropylalcohol	376	E 0.407	0.407	924	1.00	1.00	09/30/25	KCA	1
Isopropylbenzene	ND	0.204	0.204	ND	1.00	1.00	09/30/25	KCA	1
m,p-Xylene	ND	0.230	0.230	ND	1.00	1.00	09/30/25	KCA	1
Methyl Ethyl Ketone	ND	0.339	0.339	ND	1.00	1.00	09/30/25	KCA	1
Methyl tert-butyl ether(MTBE)	ND	0.278	0.278	ND	1.00	1.00	09/30/25	KCA	1
Methylene Chloride	ND	0.863	0.863	ND	3.00	3.00	09/30/25	KCA	1
Naphthalene	ND	0.200	0.200	ND	1.05	1.05	09/30/25	KCA	1
n-Butylbenzene	ND	0.182	0.182	ND	1.00	1.00	09/30/25	KCA	1
o-Xylene	ND	0.230	0.230	ND	1.00	1.00	09/30/25	KCA	1
Propylene	ND	0.581	0.581	ND	1.00	1.00	09/30/25	KCA	1
sec-Butylbenzene	ND	0.182	0.182	ND	1.00	1.00	09/30/25	KCA	1
Styrene	ND	0.235	0.235	ND	1.00	1.00	09/30/25	KCA	1
Tetrachloroethene	0.089	0.037	0.037	0.60	0.25	0.25	09/30/25	KCA	1
Tetrahydrofuran	ND	0.339	0.339	ND	1.00	1.00	09/30/25	KCA	1
Toluene	ND	0.266	0.266	ND	1.00	1.00	09/30/25	KCA	1
Trans-1,2-Dichloroethene	ND	0.252	0.252	ND	1.00	1.00	09/30/25	KCA	1
trans-1,3-Dichloropropene	ND	0.221	0.221	ND	1.00	1.00	09/30/25	KCA	1
Trichloroethene	ND	0.037	0.037	ND	0.20	0.20	09/30/25	KCA	1
Trichlorofluoromethane	ND	0.178	0.178	ND	1.00	1.00	09/30/25	KCA	1
Trichlorotrifluoroethane	ND	0.131	0.131	ND	1.00	1.00	09/30/25	KCA	1
Vinyl Chloride	ND	0.078	0.078	ND	0.20	0.20	09/30/25	KCA	1
<u>QA/QC Surrogates/Internals</u>									
% Bromofluorobenzene	103	%	%	103	%	%	09/30/25	KCA	1
% IS-1,4-Difluorobenzene	100	%	%	100	%	%	09/30/25	KCA	1
% IS-Bromochloromethane	100	%	%	100	%	%	09/30/25	KCA	1
% IS-Chlorobenzene-d5	101	%	%	101	%	%	09/30/25	KCA	1

Parameter	ppbv Result	ppbv RL	LOD/ MDL	ug/m3 Result	ug/m3 RL	LOD/ MDL	Date/Time	By	Dilution

1 = This parameter is not certified by the primary accrediting authority (NY NELAC) for this matrix. NY NELAC does not offer certification for all parameters at this time.

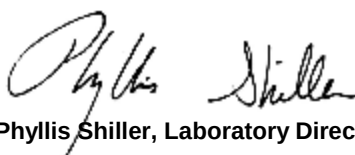
RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quantitation) ND=Not Detected BRL=Below Reporting Level L=Biased Low LOD=Limit of Detection MDL=Method Detection Limit1

QA/QC Surrogates: Surrogates are compounds (preceded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

Comments:

E = Estimated value quantitated above calibration range for this compound.

If you are the client above and have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext.200. The contents of this report cannot be discussed with anyone other than the client listed above without their written consent.



Phyllis Shiller, Laboratory Director

December 18, 2025

Reviewed and Released by: Greg Lawrence, Assistant Lab Director



Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102



Analysis Report

December 18, 2025

FOR: Attn: Mr John Bukoski, PG
FPM Group
640 Johnson Avenue, Suite 101
Bohemia, NY 11716

Sample Information

Matrix: AIR
Location Code: FPMGROUP
Rush Request: Standard
P.O.#:
Canister Id: 28608

Custody Information

Collected by: JS,MS,SV
Received by: CP
Analyzed by: see "By" below

Date Time
09/26/25 14:52
09/29/25 19:45

Project ID: CAPTREE
Client ID: EFFLUENT

Laboratory Data

SDG ID: GCU37304
Phoenix ID: CU37306

Parameter	ppbv Result	ppbv RL	LOD/ MDL	ug/m3 Result	ug/m3 RL	LOD/ MDL	Date/Time	By	Dilution
<u>Volatiles (TO15)</u>									
1,1,1,2-Tetrachloroethane	ND	0.146	0.146	ND	1.00	1.00	09/30/25	KCA	1
1,1,1-Trichloroethane	ND	0.183	0.183	ND	1.00	1.00	09/30/25	KCA	1
1,1,2,2-Tetrachloroethane	ND	0.146	0.146	ND	1.00	1.00	09/30/25	KCA	1
1,1,2-Trichloroethane	ND	0.183	0.183	ND	1.00	1.00	09/30/25	KCA	1
1,1-Dichloroethane	ND	0.247	0.247	ND	1.00	1.00	09/30/25	KCA	1
1,1-Dichloroethene	ND	0.051	0.051	ND	0.20	0.20	09/30/25	KCA	1
1,2,4-Trichlorobenzene	ND	0.135	0.135	ND	1.00	1.00	09/30/25	KCA	1
1,2,4-Trimethylbenzene	ND	0.204	0.204	ND	1.00	1.00	09/30/25	KCA	1
1,2-Dibromoethane(EDB)	ND	0.130	0.130	ND	1.00	1.00	09/30/25	KCA	1
1,2-Dichlorobenzene	ND	0.166	0.166	ND	1.00	1.00	09/30/25	KCA	1
1,2-Dichloroethane	ND	0.247	0.247	ND	1.00	1.00	09/30/25	KCA	1
1,2-dichloropropane	ND	0.217	0.217	ND	1.00	1.00	09/30/25	KCA	1
1,2-Dichlorotetrafluoroethane	ND	0.143	0.143	ND	1.00	1.00	09/30/25	KCA	1
1,3,5-Trimethylbenzene	ND	0.204	0.204	ND	1.00	1.00	09/30/25	KCA	1
1,3-Butadiene	ND	0.452	0.452	ND	1.00	1.00	09/30/25	KCA	1
1,3-Dichlorobenzene	ND	0.166	0.166	ND	1.00	1.00	09/30/25	KCA	1
1,4-Dichlorobenzene	ND	0.166	0.166	ND	1.00	1.00	09/30/25	KCA	1
1,4-Dioxane	ND	0.278	0.278	ND	1.00	1.00	09/30/25	KCA	1
2-Hexanone(MBK)	ND	0.244	0.244	ND	1.00	1.00	09/30/25	KCA	1
4-Ethyltoluene	ND	0.204	0.204	ND	1.00	1.00	09/30/25	KCA	1
4-Isopropyltoluene	ND	0.182	0.182	ND	1.00	1.00	09/30/25	KCA	1
4-Methyl-2-pentanone(MIBK)	ND	0.244	0.244	ND	1.00	1.00	09/30/25	KCA	1
Acetone	16.7	0.421	0.421	39.6	1.00	1.00	09/30/25	KCA	1
Acrylonitrile	ND	0.461	0.461	ND	1.00	1.00	09/30/25	KCA	1
Benzene	ND	0.313	0.313	ND	1.00	1.00	09/30/25	KCA	1
Benzyl chloride	ND	0.193	0.193	ND	1.00	1.00	09/30/25	KCA	1

Parameter	ppbv Result	ppbv RL	LOD/ MDL	ug/m3 Result	ug/m3 RL	LOD/ MDL	Date/Time	By	Dilution	
Bromodichloromethane	ND	0.149	0.149	ND	1.00	1.00	09/30/25	KCA	1	
Bromoform	ND	0.097	0.097	ND	1.00	1.00	09/30/25	KCA	1	
Bromomethane	ND	0.258	0.258	ND	1.00	1.00	09/30/25	KCA	1	
Carbon Disulfide	ND	0.321	0.321	ND	1.00	1.00	09/30/25	KCA	1	
Carbon Tetrachloride	0.062	0.032	0.032	0.39	0.20	0.20	09/30/25	KCA	1	
Chlorobenzene	ND	0.217	0.217	ND	1.00	1.00	09/30/25	KCA	1	
Chloroethane	ND	0.379	0.379	ND	1.00	1.00	09/30/25	KCA	1	
Chloroform	ND	0.205	0.205	ND	1.00	1.00	09/30/25	KCA	1	
Chloromethane	0.584	0.485	0.485	1.21	1.00	1.00	09/30/25	KCA	1	
Cis-1,2-Dichloroethene	ND	0.051	0.051	ND	0.20	0.20	09/30/25	KCA	1	
cis-1,3-Dichloropropene	ND	0.221	0.221	ND	1.00	1.00	09/30/25	KCA	1	
Cyclohexane	ND	0.291	0.291	ND	1.00	1.00	09/30/25	KCA	1	
Dibromochloromethane	ND	0.118	0.118	ND	1.00	1.00	09/30/25	KCA	1	
Dichlorodifluoromethane	0.410	0.202	0.202	2.03	1.00	1.00	09/30/25	KCA	1	
Ethanol	1130	E 0.531	0.531	2130	1.00	1.00	09/30/25	KCA	1	1
Ethyl acetate	ND	0.278	0.278	ND	1.00	1.00	09/30/25	KCA	1	1
Ethylbenzene	ND	0.230	0.230	ND	1.00	1.00	09/30/25	KCA	1	
Heptane	ND	0.244	0.244	ND	1.00	1.00	09/30/25	KCA	1	
Hexachlorobutadiene	ND	0.094	0.094	ND	1.00	1.00	09/30/25	KCA	1	
Hexane	ND	0.284	0.284	ND	1.00	1.00	09/30/25	KCA	1	
Isooctane	ND	0.215	0.215	ND	1.00	1.00	09/30/25	KCA	1	
Isopropylalcohol	599	E 0.407	0.407	1470	1.00	1.00	09/30/25	KCA	1	
Isopropylbenzene	ND	0.204	0.204	ND	1.00	1.00	09/30/25	KCA	1	
m,p-Xylene	ND	0.230	0.230	ND	1.00	1.00	09/30/25	KCA	1	
Methyl Ethyl Ketone	0.448	0.339	0.339	1.32	1.00	1.00	09/30/25	KCA	1	
Methyl tert-butyl ether(MTBE)	ND	0.278	0.278	ND	1.00	1.00	09/30/25	KCA	1	
Methylene Chloride	ND	0.863	0.863	ND	3.00	3.00	09/30/25	KCA	1	
Naphthalene	ND	0.200	0.200	ND	1.05	1.05	09/30/25	KCA	1	
n-Butylbenzene	ND	0.182	0.182	ND	1.00	1.00	09/30/25	KCA	1	1
o-Xylene	ND	0.230	0.230	ND	1.00	1.00	09/30/25	KCA	1	
Propylene	ND	0.581	0.581	ND	1.00	1.00	09/30/25	KCA	1	1
sec-Butylbenzene	ND	0.182	0.182	ND	1.00	1.00	09/30/25	KCA	1	1
Styrene	ND	0.235	0.235	ND	1.00	1.00	09/30/25	KCA	1	
Tetrachloroethene	0.337	0.037	0.037	2.28	0.25	0.25	09/30/25	KCA	1	
Tetrahydrofuran	ND	0.339	0.339	ND	1.00	1.00	09/30/25	KCA	1	1
Toluene	0.458	0.266	0.266	1.72	1.00	1.00	09/30/25	KCA	1	
Trans-1,2-Dichloroethene	ND	0.252	0.252	ND	1.00	1.00	09/30/25	KCA	1	
trans-1,3-Dichloropropene	ND	0.221	0.221	ND	1.00	1.00	09/30/25	KCA	1	
Trichloroethene	ND	0.037	0.037	ND	0.20	0.20	09/30/25	KCA	1	
Trichlorofluoromethane	ND	0.178	0.178	ND	1.00	1.00	09/30/25	KCA	1	
Trichlorotrifluoroethane	ND	0.131	0.131	ND	1.00	1.00	09/30/25	KCA	1	
Vinyl Chloride	ND	0.078	0.078	ND	0.20	0.20	09/30/25	KCA	1	
<u>QA/QC Surrogates/Internals</u>										
% Bromofluorobenzene	103	%	%	103	%	%	09/30/25	KCA	1	
% IS-1,4-Difluorobenzene	97	%	%	97	%	%	09/30/25	KCA	1	
% IS-Bromochloromethane	97	%	%	97	%	%	09/30/25	KCA	1	
% IS-Chlorobenzene-d5	99	%	%	99	%	%	09/30/25	KCA	1	
% Bromofluorobenzene (5x)	103	%	%	103	%	%	09/30/25	KCA	5	
% IS-1,4-Difluorobenzene (5x)	98	%	%	98	%	%	09/30/25	KCA	5	

Parameter	ppbv Result	ppbv RL	LOD/ MDL	ug/m3 Result	ug/m3 RL	LOD/ MDL	Date/Time	By	Dilution
% IS-Bromochloromethane (5x)	99	%	%	99	%	%	09/30/25	KCA	5
% IS-Chlorobenzene-d5 (5x)	100	%	%	100	%	%	09/30/25	KCA	5

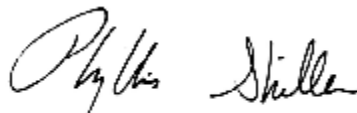
1 = This parameter is not certified by the primary accrediting authority (NY NELAC) for this matrix. NY NELAC does not offer certification for all parameters at this time.

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quantitation) ND=Not Detected BRL=Below Reporting Level L=Biased Low LOD=Limit of Detection MDL=Method Detection Limit
QA/QC Surrogates: Surrogates are compounds (preceded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

Comments:

E = Estimated value quantitated above calibration range for this compound.

If you are the client above and have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext.200. The contents of this report cannot be discussed with anyone other than the client listed above without their written consent.



Phyllis Shiller, Laboratory Director

December 18, 2025

Reviewed and Released by: Greg Lawrence, Assistant Lab Director



Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102



Analysis Report

December 18, 2025

FOR: Attn: Mr John Bukoski, PG
FPM Group
640 Johnson Avenue, Suite 101
Bohemia, NY 11716

Sample Information

Matrix: AIR
Location Code: FPMGROUP
Rush Request: Standard
P.O.#:
Canister Id: 28577

Custody Information

Collected by: JS,MS,SV
Received by: CP
Analyzed by: see "By" below

Date Time
09/26/25 14:40
09/29/25 19:45

Laboratory Data

SDG ID: GCU37304
Phoenix ID: CU37307

Project ID: CAPTREE
Client ID: OUTDOOR AMBIENT

Parameter	ppbv Result	ppbv RL	LOD/ MDL	ug/m3 Result	ug/m3 RL	LOD/ MDL	Date/Time	By	Dilution	
<u>Volatiles (TO15)</u>										
1,1,1,2-Tetrachloroethane	ND	0.146	0.146	ND	1.00	1.00	09/30/25	KCA	1	1
1,1,1-Trichloroethane	ND	0.183	0.183	ND	1.00	1.00	09/30/25	KCA	1	
1,1,2,2-Tetrachloroethane	ND	0.146	0.146	ND	1.00	1.00	09/30/25	KCA	1	
1,1,2-Trichloroethane	ND	0.183	0.183	ND	1.00	1.00	09/30/25	KCA	1	
1,1-Dichloroethane	ND	0.247	0.247	ND	1.00	1.00	09/30/25	KCA	1	
1,1-Dichloroethene	ND	0.051	0.051	ND	0.20	0.20	09/30/25	KCA	1	
1,2,4-Trichlorobenzene	ND	0.135	0.135	ND	1.00	1.00	09/30/25	KCA	1	
1,2,4-Trimethylbenzene	ND	0.204	0.204	ND	1.00	1.00	09/30/25	KCA	1	
1,2-Dibromoethane(EDB)	ND	0.130	0.130	ND	1.00	1.00	09/30/25	KCA	1	
1,2-Dichlorobenzene	ND	0.166	0.166	ND	1.00	1.00	09/30/25	KCA	1	
1,2-Dichloroethane	ND	0.247	0.247	ND	1.00	1.00	09/30/25	KCA	1	
1,2-dichloropropane	ND	0.217	0.217	ND	1.00	1.00	09/30/25	KCA	1	
1,2-Dichlorotetrafluoroethane	ND	0.143	0.143	ND	1.00	1.00	09/30/25	KCA	1	
1,3,5-Trimethylbenzene	ND	0.204	0.204	ND	1.00	1.00	09/30/25	KCA	1	
1,3-Butadiene	ND	0.452	0.452	ND	1.00	1.00	09/30/25	KCA	1	
1,3-Dichlorobenzene	ND	0.166	0.166	ND	1.00	1.00	09/30/25	KCA	1	
1,4-Dichlorobenzene	ND	0.166	0.166	ND	1.00	1.00	09/30/25	KCA	1	
1,4-Dioxane	ND	0.278	0.278	ND	1.00	1.00	09/30/25	KCA	1	
2-Hexanone(MBK)	ND	0.244	0.244	ND	1.00	1.00	09/30/25	KCA	1	1
4-Ethyltoluene	ND	0.204	0.204	ND	1.00	1.00	09/30/25	KCA	1	1
4-Isopropyltoluene	ND	0.182	0.182	ND	1.00	1.00	09/30/25	KCA	1	1
4-Methyl-2-pentanone(MIBK)	ND	0.244	0.244	ND	1.00	1.00	09/30/25	KCA	1	
Acetone	4.49	0.421	0.421	10.7	1.00	1.00	09/30/25	KCA	1	
Acrylonitrile	ND	0.461	0.461	ND	1.00	1.00	09/30/25	KCA	1	
Benzene	ND	0.313	0.313	ND	1.00	1.00	09/30/25	KCA	1	
Benzyl chloride	ND	0.193	0.193	ND	1.00	1.00	09/30/25	KCA	1	

Parameter	ppbv Result	ppbv RL	LOD/ MDL	ug/m3 Result	ug/m3 RL	LOD/ MDL	Date/Time	By	Dilution
Bromodichloromethane	ND	0.149	0.149	ND	1.00	1.00	09/30/25	KCA	1
Bromoform	ND	0.097	0.097	ND	1.00	1.00	09/30/25	KCA	1
Bromomethane	ND	0.258	0.258	ND	1.00	1.00	09/30/25	KCA	1
Carbon Disulfide	ND	0.321	0.321	ND	1.00	1.00	09/30/25	KCA	1
Carbon Tetrachloride	0.079	0.032	0.032	0.50	0.20	0.20	09/30/25	KCA	1
Chlorobenzene	ND	0.217	0.217	ND	1.00	1.00	09/30/25	KCA	1
Chloroethane	ND	0.379	0.379	ND	1.00	1.00	09/30/25	KCA	1
Chloroform	ND	0.205	0.205	ND	1.00	1.00	09/30/25	KCA	1
Chloromethane	0.687	0.485	0.485	1.42	1.00	1.00	09/30/25	KCA	1
Cis-1,2-Dichloroethene	ND	0.051	0.051	ND	0.20	0.20	09/30/25	KCA	1
cis-1,3-Dichloropropene	ND	0.221	0.221	ND	1.00	1.00	09/30/25	KCA	1
Cyclohexane	ND	0.291	0.291	ND	1.00	1.00	09/30/25	KCA	1
Dibromochloromethane	ND	0.118	0.118	ND	1.00	1.00	09/30/25	KCA	1
Dichlorodifluoromethane	0.467	0.202	0.202	2.31	1.00	1.00	09/30/25	KCA	1
Ethanol	5.05	0.531	0.531	9.5	1.00	1.00	09/30/25	KCA	1
Ethyl acetate	ND	0.278	0.278	ND	1.00	1.00	09/30/25	KCA	1
Ethylbenzene	ND	0.230	0.230	ND	1.00	1.00	09/30/25	KCA	1
Heptane	ND	0.244	0.244	ND	1.00	1.00	09/30/25	KCA	1
Hexachlorobutadiene	ND	0.094	0.094	ND	1.00	1.00	09/30/25	KCA	1
Hexane	ND	0.284	0.284	ND	1.00	1.00	09/30/25	KCA	1
Isooctane	ND	0.215	0.215	ND	1.00	1.00	09/30/25	KCA	1
Isopropylalcohol	0.530	0.407	0.407	1.30	1.00	1.00	09/30/25	KCA	1
Isopropylbenzene	ND	0.204	0.204	ND	1.00	1.00	09/30/25	KCA	1
m,p-Xylene	ND	0.230	0.230	ND	1.00	1.00	09/30/25	KCA	1
Methyl Ethyl Ketone	0.381	0.339	0.339	1.12	1.00	1.00	09/30/25	KCA	1
Methyl tert-butyl ether(MTBE)	ND	0.278	0.278	ND	1.00	1.00	09/30/25	KCA	1
Methylene Chloride	ND	0.863	0.863	ND	3.00	3.00	09/30/25	KCA	1
Naphthalene	ND	0.200	0.200	ND	1.05	1.05	09/30/25	KCA	1
n-Butylbenzene	ND	0.182	0.182	ND	1.00	1.00	09/30/25	KCA	1
o-Xylene	ND	0.230	0.230	ND	1.00	1.00	09/30/25	KCA	1
Propylene	ND	0.581	0.581	ND	1.00	1.00	09/30/25	KCA	1
sec-Butylbenzene	ND	0.182	0.182	ND	1.00	1.00	09/30/25	KCA	1
Styrene	ND	0.235	0.235	ND	1.00	1.00	09/30/25	KCA	1
Tetrachloroethene	ND	0.037	0.037	ND	0.25	0.25	09/30/25	KCA	1
Tetrahydrofuran	ND	0.339	0.339	ND	1.00	1.00	09/30/25	KCA	1
Toluene	0.381	0.266	0.266	1.43	1.00	1.00	09/30/25	KCA	1
Trans-1,2-Dichloroethene	ND	0.252	0.252	ND	1.00	1.00	09/30/25	KCA	1
trans-1,3-Dichloropropene	ND	0.221	0.221	ND	1.00	1.00	09/30/25	KCA	1
Trichloroethene	ND	0.037	0.037	ND	0.20	0.20	09/30/25	KCA	1
Trichlorofluoromethane	0.220	0.178	0.178	1.24	1.00	1.00	09/30/25	KCA	1
Trichlorotrifluoroethane	ND	0.131	0.131	ND	1.00	1.00	09/30/25	KCA	1
Vinyl Chloride	ND	0.078	0.078	ND	0.20	0.20	09/30/25	KCA	1
<u>QA/QC Surrogates/Internals</u>									
% Bromofluorobenzene	97	%	%	97	%	%	09/30/25	KCA	1
% IS-1,4-Difluorobenzene	94	%	%	94	%	%	09/30/25	KCA	1
% IS-Bromochloromethane	94	%	%	94	%	%	09/30/25	KCA	1
% IS-Chlorobenzene-d5	93	%	%	93	%	%	09/30/25	KCA	1

Parameter	ppbv Result	ppbv RL	LOD/ MDL	ug/m3 Result	ug/m3 RL	LOD/ MDL	Date/Time	By	Dilution

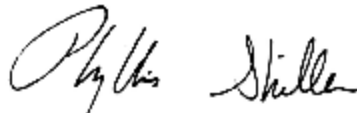
1 = This parameter is not certified by the primary accrediting authority (NY NELAC) for this matrix. NY NELAC does not offer certification for all parameters at this time.

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quantitation) ND=Not Detected BRL=Below Reporting Level L=Biased Low LOD=Limit of Detection MDL=Method Detection Limit1

QA/QC Surrogates: Surrogates are compounds (preceded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

Comments:

If you are the client above and have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext.200. The contents of this report cannot be discussed with anyone other than the client listed above without their written consent.



Phyllis Shiller, Laboratory Director

December 18, 2025

Reviewed and Released by: Greg Lawrence, Assistant Lab Director



Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102



Analysis Report

December 18, 2025

FOR: Attn: Mr John Bukoski, PG
FPM Group
640 Johnson Avenue, Suite 101
Bohemia, NY 11716

Sample Information

Matrix: AIR
Location Code: FPMGROUP
Rush Request: Standard
P.O.#:
Canister Id: 28555
Project ID: CAPTREE
Client ID: CV-IA-2

Custody Information

Collected by: JS,MS,SV
Received by: CP
Analyzed by: see "By" below

Date Time
09/26/25 14:52
09/29/25 19:45

Laboratory Data

SDG ID: GCU37304
Phoenix ID: CU37308

Parameter	ppbv Result	ppbv RL	LOD/ MDL	ug/m3 Result	ug/m3 RL	LOD/ MDL	Date/Time	By	Dilution
Volatiles (TO15)									
1,1,1,2-Tetrachloroethane	ND	0.146	0.146	ND	1.00	1.00	09/30/25	KCA	1
1,1,1-Trichloroethane	ND	0.183	0.183	ND	1.00	1.00	09/30/25	KCA	1
1,1,2,2-Tetrachloroethane	ND	0.146	0.146	ND	1.00	1.00	09/30/25	KCA	1
1,1,2-Trichloroethane	ND	0.183	0.183	ND	1.00	1.00	09/30/25	KCA	1
1,1-Dichloroethane	ND	0.247	0.247	ND	1.00	1.00	09/30/25	KCA	1
1,1-Dichloroethene	ND	0.051	0.051	ND	0.20	0.20	09/30/25	KCA	1
1,2,4-Trichlorobenzene	ND	0.135	0.135	ND	1.00	1.00	09/30/25	KCA	1
1,2,4-Trimethylbenzene	ND	0.204	0.204	ND	1.00	1.00	09/30/25	KCA	1
1,2-Dibromoethane(EDB)	ND	0.130	0.130	ND	1.00	1.00	09/30/25	KCA	1
1,2-Dichlorobenzene	ND	0.166	0.166	ND	1.00	1.00	09/30/25	KCA	1
1,2-Dichloroethane	ND	0.247	0.247	ND	1.00	1.00	09/30/25	KCA	1
1,2-dichloropropane	ND	0.217	0.217	ND	1.00	1.00	09/30/25	KCA	1
1,2-Dichlorotetrafluoroethane	ND	0.143	0.143	ND	1.00	1.00	09/30/25	KCA	1
1,3,5-Trimethylbenzene	ND	0.204	0.204	ND	1.00	1.00	09/30/25	KCA	1
1,3-Butadiene	ND	0.452	0.452	ND	1.00	1.00	09/30/25	KCA	1
1,3-Dichlorobenzene	ND	0.166	0.166	ND	1.00	1.00	09/30/25	KCA	1
1,4-Dichlorobenzene	ND	0.166	0.166	ND	1.00	1.00	09/30/25	KCA	1
1,4-Dioxane	ND	0.278	0.278	ND	1.00	1.00	09/30/25	KCA	1
2-Hexanone(MBK)	ND	0.244	0.244	ND	1.00	1.00	09/30/25	KCA	1
4-Ethyltoluene	ND	0.204	0.204	ND	1.00	1.00	09/30/25	KCA	1
4-Isopropyltoluene	ND	0.182	0.182	ND	1.00	1.00	09/30/25	KCA	1
4-Methyl-2-pentanone(MIBK)	0.340	0.244	0.244	1.39	1.00	1.00	09/30/25	KCA	1
Acetone	24.5	0.421	0.421	58.2	1.00	1.00	09/30/25	KCA	1
Acrylonitrile	ND	0.461	0.461	ND	1.00	1.00	09/30/25	KCA	1
Benzene	ND	0.313	0.313	ND	1.00	1.00	09/30/25	KCA	1
Benzyl chloride	ND	0.193	0.193	ND	1.00	1.00	09/30/25	KCA	1

Parameter	ppbv Result	ppbv RL	LOD/ MDL	ug/m3 Result	ug/m3 RL	LOD/ MDL	Date/Time	By	Dilution
Bromodichloromethane	ND	0.149	0.149	ND	1.00	1.00	09/30/25	KCA	1
Bromoform	ND	0.097	0.097	ND	1.00	1.00	09/30/25	KCA	1
Bromomethane	ND	0.258	0.258	ND	1.00	1.00	09/30/25	KCA	1
Carbon Disulfide	ND	0.321	0.321	ND	1.00	1.00	09/30/25	KCA	1
Carbon Tetrachloride	0.066	0.032	0.032	0.41	0.20	0.20	09/30/25	KCA	1
Chlorobenzene	ND	0.217	0.217	ND	1.00	1.00	09/30/25	KCA	1
Chloroethane	ND	0.379	0.379	ND	1.00	1.00	09/30/25	KCA	1
Chloroform	ND	0.205	0.205	ND	1.00	1.00	09/30/25	KCA	1
Chloromethane	0.671	0.485	0.485	1.38	1.00	1.00	09/30/25	KCA	1
Cis-1,2-Dichloroethene	ND	0.051	0.051	ND	0.20	0.20	09/30/25	KCA	1
cis-1,3-Dichloropropene	ND	0.221	0.221	ND	1.00	1.00	09/30/25	KCA	1
Cyclohexane	ND	0.291	0.291	ND	1.00	1.00	09/30/25	KCA	1
Dibromochloromethane	ND	0.118	0.118	ND	1.00	1.00	09/30/25	KCA	1
Dichlorodifluoromethane	0.440	0.202	0.202	2.17	1.00	1.00	09/30/25	KCA	1
Ethanol	2810	E 0.531	0.531	5290	1.00	1.00	09/30/25	KCA	1
Ethyl acetate	0.681	0.278	0.278	2.45	1.00	1.00	09/30/25	KCA	1
Ethylbenzene	ND	0.230	0.230	ND	1.00	1.00	09/30/25	KCA	1
Heptane	ND	0.244	0.244	ND	1.00	1.00	09/30/25	KCA	1
Hexachlorobutadiene	ND	0.094	0.094	ND	1.00	1.00	09/30/25	KCA	1
Hexane	0.311	0.284	0.284	1.10	1.00	1.00	09/30/25	KCA	1
Isooctane	ND	0.215	0.215	ND	1.00	1.00	09/30/25	KCA	1
Isopropylalcohol	1100	E 0.407	0.407	2700	1.00	1.00	09/30/25	KCA	1
Isopropylbenzene	ND	0.204	0.204	ND	1.00	1.00	09/30/25	KCA	1
m,p-Xylene	0.370	0.230	0.230	1.61	1.00	1.00	09/30/25	KCA	1
Methyl Ethyl Ketone	0.670	0.339	0.339	1.97	1.00	1.00	09/30/25	KCA	1
Methyl tert-butyl ether(MTBE)	ND	0.278	0.278	ND	1.00	1.00	09/30/25	KCA	1
Methylene Chloride	ND	0.863	0.863	ND	3.00	3.00	09/30/25	KCA	1
Naphthalene	ND	0.200	0.200	ND	1.05	1.05	09/30/25	KCA	1
n-Butylbenzene	ND	0.182	0.182	ND	1.00	1.00	09/30/25	KCA	1
o-Xylene	ND	0.230	0.230	ND	1.00	1.00	09/30/25	KCA	1
Propylene	ND	0.581	0.581	ND	1.00	1.00	09/30/25	KCA	1
sec-Butylbenzene	ND	0.182	0.182	ND	1.00	1.00	09/30/25	KCA	1
Styrene	ND	0.235	0.235	ND	1.00	1.00	09/30/25	KCA	1
Tetrachloroethene	ND	0.037	0.037	ND	0.25	0.25	09/30/25	KCA	1
Tetrahydrofuran	ND	0.339	0.339	ND	1.00	1.00	09/30/25	KCA	1
Toluene	2.63	0.266	0.266	9.9	1.00	1.00	09/30/25	KCA	1
Trans-1,2-Dichloroethene	ND	0.252	0.252	ND	1.00	1.00	09/30/25	KCA	1
trans-1,3-Dichloropropene	ND	0.221	0.221	ND	1.00	1.00	09/30/25	KCA	1
Trichloroethene	ND	0.037	0.037	ND	0.20	0.20	09/30/25	KCA	1
Trichlorofluoromethane	ND	0.178	0.178	ND	1.00	1.00	09/30/25	KCA	1
Trichlorotrifluoroethane	ND	0.131	0.131	ND	1.00	1.00	09/30/25	KCA	1
Vinyl Chloride	ND	0.078	0.078	ND	0.20	0.20	09/30/25	KCA	1
<u>QA/QC Surrogates/Internals</u>									
% Bromofluorobenzene	103	%	%	103	%	%	09/30/25	KCA	1
% IS-1,4-Difluorobenzene	93	%	%	93	%	%	09/30/25	KCA	1
% IS-Bromochloromethane	93	%	%	93	%	%	09/30/25	KCA	1
% IS-Chlorobenzene-d5	96	%	%	96	%	%	09/30/25	KCA	1

Parameter	ppbv Result	ppbv RL	LOD/ MDL	ug/m3 Result	ug/m3 RL	LOD/ MDL	Date/Time	By	Dilution

1 = This parameter is not certified by the primary accrediting authority (NY NELAC) for this matrix. NY NELAC does not offer certification for all parameters at this time.

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quantitation) ND=Not Detected BRL=Below Reporting Level L=Biased Low LOD=Limit of Detection MDL=Method Detection Limit1

QA/QC Surrogates: Surrogates are compounds (preceded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

Comments:

E = Estimated value quantitated above calibration range for this compound.

If you are the client above and have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext.200. The contents of this report cannot be discussed with anyone other than the client listed above without their written consent.



Phyllis Shiller, Laboratory Director

December 18, 2025

Reviewed and Released by: Greg Lawrence, Assistant Lab Director



Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102



Analysis Report

December 18, 2025

FOR: Attn: Mr John Bukoski, PG
FPM Group
640 Johnson Avenue, Suite 101
Bohemia, NY 11716

Sample Information

Matrix: AIR
Location Code: FPMGROUP
Rush Request: Standard
P.O.#:
Canister Id: 49205

Custody Information

Collected by: JS,MS,SV
Received by: CP
Analyzed by: see "By" below

Date Time
09/26/25 14:35
09/29/25 19:45

Project ID: CAPTREE
Client ID: PT-IA-1

Laboratory Data

SDG ID: GCU37304
Phoenix ID: CU37309

Parameter	ppbv Result	ppbv RL	LOD/ MDL	ug/m3 Result	ug/m3 RL	LOD/ MDL	Date/Time	By	Dilution	
<u>Volatiles (TO15)</u>										
1,1,1,2-Tetrachloroethane	ND	0.146	0.146	ND	1.00	1.00	09/30/25	KCA	1	1
1,1,1-Trichloroethane	ND	0.183	0.183	ND	1.00	1.00	09/30/25	KCA	1	
1,1,2,2-Tetrachloroethane	ND	0.146	0.146	ND	1.00	1.00	09/30/25	KCA	1	
1,1,2-Trichloroethane	ND	0.183	0.183	ND	1.00	1.00	09/30/25	KCA	1	
1,1-Dichloroethane	ND	0.247	0.247	ND	1.00	1.00	09/30/25	KCA	1	
1,1-Dichloroethene	ND	0.051	0.051	ND	0.20	0.20	09/30/25	KCA	1	
1,2,4-Trichlorobenzene	ND	0.135	0.135	ND	1.00	1.00	09/30/25	KCA	1	
1,2,4-Trimethylbenzene	ND	0.204	0.204	ND	1.00	1.00	09/30/25	KCA	1	
1,2-Dibromoethane(EDB)	ND	0.130	0.130	ND	1.00	1.00	09/30/25	KCA	1	
1,2-Dichlorobenzene	ND	0.166	0.166	ND	1.00	1.00	09/30/25	KCA	1	
1,2-Dichloroethane	ND	0.247	0.247	ND	1.00	1.00	09/30/25	KCA	1	
1,2-dichloropropane	ND	0.217	0.217	ND	1.00	1.00	09/30/25	KCA	1	
1,2-Dichlorotetrafluoroethane	ND	0.143	0.143	ND	1.00	1.00	09/30/25	KCA	1	
1,3,5-Trimethylbenzene	ND	0.204	0.204	ND	1.00	1.00	09/30/25	KCA	1	
1,3-Butadiene	ND	0.452	0.452	ND	1.00	1.00	09/30/25	KCA	1	
1,3-Dichlorobenzene	ND	0.166	0.166	ND	1.00	1.00	09/30/25	KCA	1	
1,4-Dichlorobenzene	ND	0.166	0.166	ND	1.00	1.00	09/30/25	KCA	1	
1,4-Dioxane	ND	0.278	0.278	ND	1.00	1.00	09/30/25	KCA	1	
2-Hexanone(MBK)	ND	0.244	0.244	ND	1.00	1.00	09/30/25	KCA	1	1
4-Ethyltoluene	ND	0.204	0.204	ND	1.00	1.00	09/30/25	KCA	1	1
4-Isopropyltoluene	ND	0.182	0.182	ND	1.00	1.00	09/30/25	KCA	1	1
4-Methyl-2-pentanone(MIBK)	ND	0.244	0.244	ND	1.00	1.00	09/30/25	KCA	1	
Acetone	26.1	0.421	0.421	62.0	1.00	1.00	09/30/25	KCA	1	
Acrylonitrile	ND	0.461	0.461	ND	1.00	1.00	09/30/25	KCA	1	
Benzene	ND	0.313	0.313	ND	1.00	1.00	09/30/25	KCA	1	
Benzyl chloride	ND	0.193	0.193	ND	1.00	1.00	09/30/25	KCA	1	

Parameter	ppbv Result	ppbv RL	LOD/ MDL	ug/m3 Result	ug/m3 RL	LOD/ MDL	Date/Time	By	Dilution
Bromodichloromethane	ND	0.149	0.149	ND	1.00	1.00	09/30/25	KCA	1
Bromoform	ND	0.097	0.097	ND	1.00	1.00	09/30/25	KCA	1
Bromomethane	ND	0.258	0.258	ND	1.00	1.00	09/30/25	KCA	1
Carbon Disulfide	ND	0.321	0.321	ND	1.00	1.00	09/30/25	KCA	1
Carbon Tetrachloride	0.064	0.032	0.032	0.40	0.20	0.20	09/30/25	KCA	1
Chlorobenzene	ND	0.217	0.217	ND	1.00	1.00	09/30/25	KCA	1
Chloroethane	ND	0.379	0.379	ND	1.00	1.00	09/30/25	KCA	1
Chloroform	ND	0.205	0.205	ND	1.00	1.00	09/30/25	KCA	1
Chloromethane	0.554	0.485	0.485	1.14	1.00	1.00	09/30/25	KCA	1
Cis-1,2-Dichloroethene	ND	0.051	0.051	ND	0.20	0.20	09/30/25	KCA	1
cis-1,3-Dichloropropene	ND	0.221	0.221	ND	1.00	1.00	09/30/25	KCA	1
Cyclohexane	ND	0.291	0.291	ND	1.00	1.00	09/30/25	KCA	1
Dibromochloromethane	ND	0.118	0.118	ND	1.00	1.00	09/30/25	KCA	1
Dichlorodifluoromethane	0.389	0.202	0.202	1.92	1.00	1.00	09/30/25	KCA	1
Ethanol	1460	E 0.531	0.531	2750	1.00	1.00	09/30/25	KCA	1 1
Ethyl acetate	0.496	0.278	0.278	1.79	1.00	1.00	09/30/25	KCA	1 1
Ethylbenzene	ND	0.230	0.230	ND	1.00	1.00	09/30/25	KCA	1
Heptane	ND	0.244	0.244	ND	1.00	1.00	09/30/25	KCA	1
Hexachlorobutadiene	ND	0.094	0.094	ND	1.00	1.00	09/30/25	KCA	1
Hexane	ND	0.284	0.284	ND	1.00	1.00	09/30/25	KCA	1
Isooctane	ND	0.215	0.215	ND	1.00	1.00	09/30/25	KCA	1
Isopropylalcohol	1760	E 0.407	0.407	4320	1.00	1.00	09/30/25	KCA	1
Isopropylbenzene	ND	0.204	0.204	ND	1.00	1.00	09/30/25	KCA	1
m,p-Xylene	ND	0.230	0.230	ND	1.00	1.00	09/30/25	KCA	1
Methyl Ethyl Ketone	0.811	0.339	0.339	2.39	1.00	1.00	09/30/25	KCA	1
Methyl tert-butyl ether(MTBE)	ND	0.278	0.278	ND	1.00	1.00	09/30/25	KCA	1
Methylene Chloride	0.979	0.863	0.863	3.40	3.00	3.00	09/30/25	KCA	1
Naphthalene	ND	0.200	0.200	ND	1.05	1.05	09/30/25	KCA	1
n-Butylbenzene	ND	0.182	0.182	ND	1.00	1.00	09/30/25	KCA	1 1
o-Xylene	ND	0.230	0.230	ND	1.00	1.00	09/30/25	KCA	1
Propylene	ND	0.581	0.581	ND	1.00	1.00	09/30/25	KCA	1 1
sec-Butylbenzene	ND	0.182	0.182	ND	1.00	1.00	09/30/25	KCA	1 1
Styrene	ND	0.235	0.235	ND	1.00	1.00	09/30/25	KCA	1
Tetrachloroethene	2.70	0.037	0.037	18.3	0.25	0.25	09/30/25	KCA	1
Tetrahydrofuran	ND	0.339	0.339	ND	1.00	1.00	09/30/25	KCA	1 1
Toluene	0.744	0.266	0.266	2.80	1.00	1.00	09/30/25	KCA	1
Trans-1,2-Dichloroethene	ND	0.252	0.252	ND	1.00	1.00	09/30/25	KCA	1
trans-1,3-Dichloropropene	ND	0.221	0.221	ND	1.00	1.00	09/30/25	KCA	1
Trichloroethene	0.162	0.037	0.037	0.87	0.20	0.20	09/30/25	KCA	1
Trichlorofluoromethane	ND	0.178	0.178	ND	1.00	1.00	09/30/25	KCA	1
Trichlorotrifluoroethane	ND	0.131	0.131	ND	1.00	1.00	09/30/25	KCA	1
Vinyl Chloride	ND	0.078	0.078	ND	0.20	0.20	09/30/25	KCA	1
<u>QA/QC Surrogates/Internals</u>									
% Bromofluorobenzene	104	%	%	104	%	%	09/30/25	KCA	1
% IS-1,4-Difluorobenzene	98	%	%	98	%	%	09/30/25	KCA	1
% IS-Bromochloromethane	99	%	%	99	%	%	09/30/25	KCA	1
% IS-Chlorobenzene-d5	101	%	%	101	%	%	09/30/25	KCA	1

Parameter	ppbv Result	ppbv RL	LOD/ MDL	ug/m3 Result	ug/m3 RL	LOD/ MDL	Date/Time	By	Dilution

1 = This parameter is not certified by the primary accrediting authority (NY NELAC) for this matrix. NY NELAC does not offer certification for all parameters at this time.

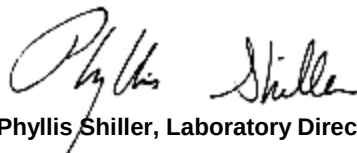
RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quantitation) ND=Not Detected BRL=Below Reporting Level L=Biased Low LOD=Limit of Detection MDL=Method Detection Limit1

QA/QC Surrogates: Surrogates are compounds (preceded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

Comments:

E = Estimated value quantitated above calibration range for this compound.

If you are the client above and have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext.200. The contents of this report cannot be discussed with anyone other than the client listed above without their written consent.



Phyllis Shiller, Laboratory Director

December 18, 2025

Reviewed and Released by: Greg Lawrence, Assistant Lab Director



Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823



Canister Sampling Information

December 18, 2025

FOR: Attn: Mr John Bukoski, PG
FPM Group
640 Johnson Avenue, Suite 101
Bohemia, NY 11716

Location Code: FPMGROUP

SDG I.D.: GCU37304

Project ID: CAPTREE

Client Id	Lab Id	Canister		Reg. Id	Chk Out Date	Laboratory					Field			
		Id	Type			Out Hg	In Hg	Out Flow	In Flow	Flow RPD	Start Hg	End Hg	Sampling Start Date	Sampling End Date
CV-IA-1	CU37304	13652	6.0L	3504	09/22/25	-30	-10	10.9	11.3	3.6	-30	-10	09/26/25 07:51	09/26/25 14:49
CV-IA-3	CU37305	28592	6.0L	4979	09/22/25	-30	-9	11.1	11.5	3.5	-29	-10	09/26/25 07:59	09/26/25 14:50
EFFLUENT	CU37306	28608	6.0L	10648	09/22/25	-30	-13	10.8	11.8	8.8	-30	-13	09/26/25 08:03	09/26/25 14:52
OUTDOOR AMBIENT	CU37307	28577	6.0L	5238	09/22/25	-30	-10	11.4	12.1	6.0	-30	-10	09/26/25 08:16	09/26/25 14:40
CV-IA-2	CU37308	28555	6.0L	5623	09/22/25	-30	-8	10.6	11	3.7	-30	-8	09/26/25 07:54	09/26/25 14:50
PT-IA-1	CU37309	49205	6.0L	10586	09/22/25	-30	-9	11.1	11.1	0.0	-30	-9	09/26/25 08:11	09/26/25 14:35



Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102



QA/QC Report

December 18, 2025

QA/QC Data

SDG I.D.: GCU37304

Parameter	Blk ppbv	Blk RL ppbv	Blk ug/m3	Blk RL ug/m3	LCS %	Sample Result ug/m3	Sample Dup ug/m3	Sample Result ppbv	Sample Dup ppbv	DUP RPD	% Rec Limits	% RPD Limits

QA/QC Batch 805724 (ppbv), QC Sample No: CU36389 (CU37306 (5X))

Volatiles

% Bromofluorobenzene	103	%	103	%	103	103	103	103	103	NC	70 - 130	25
% IS-1,4-Difluorobenzene	102	%	102	%	101	108	107	108	107	NC	60 - 140	25
% IS-Bromochloromethane	103	%	103	%	95	102	102	102	102	NC	60 - 140	25
% IS-Chlorobenzene-d5	101	%	101	%	105	106	106	106	106	NC	60 - 140	25

QA/QC Batch 805932 (ppbv), QC Sample No: CU37304 (CU37304)

Volatiles

1,1,1,2-Tetrachloroethane	ND	0.150	ND	1.03	119	ND	ND	ND	ND	NC	70 - 130	25
1,1,1-Trichloroethane	ND	0.180	ND	0.98	110	ND	ND	ND	ND	NC	70 - 130	25
1,1,2,2-Tetrachloroethane	ND	0.150	ND	1.03	113	ND	ND	ND	ND	NC	70 - 130	25
1,1,2-Trichloroethane	ND	0.180	ND	0.98	104	ND	ND	ND	ND	NC	70 - 130	25
1,1-Dichloroethane	ND	0.250	ND	1.01	102	ND	ND	ND	ND	NC	70 - 130	25
1,1-Dichloroethene	ND	0.050	ND	0.20	105	ND	ND	ND	ND	NC	70 - 130	25
1,2,4-Trichlorobenzene	ND	0.130	ND	0.96	135	ND	ND	ND	ND	NC	70 - 130	25
1,2,4-Trimethylbenzene	ND	0.200	ND	0.98	122	ND	ND	ND	ND	NC	70 - 130	25
1,2-Dibromoethane(EDB)	ND	0.130	ND	1.00	108	ND	ND	ND	ND	NC	70 - 130	25
1,2-Dichlorobenzene	ND	0.170	ND	1.02	126	ND	ND	ND	ND	NC	70 - 130	25
1,2-Dichloroethane	ND	0.250	ND	1.01	114	ND	ND	ND	ND	NC	70 - 130	25
1,2-dichloropropane	ND	0.220	ND	1.02	101	ND	ND	ND	ND	NC	70 - 130	25
1,2-Dichlorotetrafluoroethane	ND	0.140	ND	0.98	111	ND	ND	ND	ND	NC	70 - 130	25
1,3,5-Trimethylbenzene	ND	0.200	ND	0.98	122	ND	ND	ND	ND	NC	70 - 130	25
1,3-Butadiene	ND	0.450	ND	0.99	104	ND	ND	ND	ND	NC	70 - 130	25
1,3-Dichlorobenzene	ND	0.170	ND	1.02	122	ND	ND	ND	ND	NC	70 - 130	25
1,4-Dichlorobenzene	ND	0.170	ND	1.02	126	ND	ND	ND	ND	NC	70 - 130	25
1,4-Dioxane	ND	0.280	ND	1.01	125	ND	ND	ND	ND	NC	70 - 130	25
2,2,4-Trimethylpentane	ND	0.210	ND	0.98	104	ND	ND	ND	ND	NC	70 - 130	25
2-Hexanone(MBK)	ND	0.240	ND	0.98	129	ND	ND	ND	ND	NC	70 - 130	25
4-Ethyltoluene	ND	0.200	ND	0.98	119	ND	ND	ND	ND	NC	70 - 130	25
4-Isopropyltoluene	ND	0.180	ND	0.99	119	ND	ND	ND	ND	NC	70 - 130	25
4-Methyl-2-pentanone(MIBK)	ND	0.240	ND	0.98	116	ND	ND	ND	ND	NC	70 - 130	25
Acetone	ND	0.420	ND	1.00	100	78.3	78.1	33.0	32.9	0.3	70 - 130	25
Acrylonitrile	ND	0.460	ND	1.00	135	ND	ND	ND	ND	NC	70 - 130	25
Benzene	ND	0.310	ND	0.99	97	ND	ND	ND	ND	NC	70 - 130	25
Benzyl chloride	ND	0.190	ND	0.98	126	ND	ND	ND	ND	NC	70 - 130	25
Bromodichloromethane	ND	0.150	ND	1.00	113	ND	ND	ND	ND	NC	70 - 130	25
Bromoform	ND	0.097	ND	1.00	129	ND	ND	ND	ND	NC	70 - 130	25
Bromomethane	ND	0.260	ND	1.01	105	ND	ND	ND	ND	NC	70 - 130	25
Carbon Disulfide	ND	0.320	ND	1.00	97	ND	ND	ND	ND	NC	70 - 130	25
Carbon Tetrachloride	ND	0.032	ND	0.20	113	0.47	0.47	0.075	0.074	NC	70 - 130	25
Chlorobenzene	ND	0.220	ND	1.01	115	ND	ND	ND	ND	NC	70 - 130	25
Chloroethane	ND	0.380	ND	1.00	102	ND	ND	ND	ND	NC	70 - 130	25
Chloroform	ND	0.200	ND	0.98	106	ND	ND	ND	ND	NC	70 - 130	25

QA/QC Data

SDG I.D.: GCU37304

Parameter	Blk ppbv	Blk RL ppbv	Blk ug/m3	Blk RL ug/m3	LCS %	Sample Result ug/m3	Sample Dup ug/m3	Sample Result ppbv	Sample Dup ppbv	DUP RPD	% Rec Limits	% RPD Limits
Chloromethane	ND	0.480	ND	0.99	105	1.38	1.48	0.669	0.718	NC	70 - 130	25
Cis-1,2-Dichloroethene	ND	0.050	ND	0.20	104	ND	ND	ND	ND	NC	70 - 130	25
cis-1,3-Dichloropropene	ND	0.220	ND	1.00	104	ND	ND	ND	ND	NC	70 - 130	25
Cyclohexane	ND	0.290	ND	1.00	96	ND	ND	ND	ND	NC	70 - 130	25
Dibromochloromethane	ND	0.120	ND	1.02	116	ND	ND	ND	ND	NC	70 - 130	25
Dichlorodifluoromethane	ND	0.200	ND	0.99	121	2.52	2.54	0.509	0.514	NC	70 - 130	25
Ethanol	ND	0.530	ND	1.00	108	2200 E	2130	1170 E	1130	3.5	70 - 130	25
Ethyl acetate	ND	0.280	ND	1.01	113	4.79	4.90	1.33	1.36	NC	70 - 130	25
Ethylbenzene	ND	0.230	ND	1.00	112	ND	ND	ND	ND	NC	70 - 130	25
Heptane	ND	0.240	ND	0.98	106	ND	ND	ND	ND	NC	70 - 130	25
Hexachlorobutadiene	ND	0.094	ND	1.00	127	ND	ND	ND	ND	NC	70 - 130	25
Hexane	ND	0.280	ND	0.99	102	ND	ND	ND	ND	NC	70 - 130	25
Isopropylalcohol	ND	0.410	ND	1.01	109	1570 E	1580	640 E	642	0.3	70 - 130	25
Isopropylbenzene	ND	0.200	ND	0.98	113	ND	ND	ND	ND	NC	70 - 130	25
m,p-Xylene	ND	0.230	ND	1.00	115	1.15	1.10	0.265	0.253	NC	70 - 130	25
Methyl Ethyl Ketone	ND	0.340	ND	1.00	107	1.92	1.90	0.651	0.646	NC	70 - 130	25
Methyl tert-butyl ether(MTBE)	ND	0.280	ND	1.01	101	ND	ND	ND	ND	NC	70 - 130	25
Methylene Chloride	ND	0.860	ND	2.99	104	ND	ND	ND	ND	NC	70 - 130	25
Naphthalene	ND	0.200	ND	1.05	131	ND	ND	ND	ND	NC	70 - 130	25
n-Butylbenzene	ND	0.180	ND	0.99	121	ND	ND	ND	ND	NC	70 - 130	25
o-Xylene	ND	0.230	ND	1.00	115	ND	ND	ND	ND	NC	70 - 130	25
Propylene	ND	0.580	ND	1.00	100	ND	ND	ND	ND	NC	70 - 130	25
sec-Butylbenzene	ND	0.180	ND	0.99	117	ND	ND	ND	ND	NC	70 - 130	25
Styrene	ND	0.230	ND	0.98	114	ND	ND	ND	ND	NC	70 - 130	25
Tetrachloroethene	ND	0.037	ND	0.25	109	0.42	0.43	0.062	0.063	NC	70 - 130	25
Tetrahydrofuran	ND	0.340	ND	1.00	100	ND	ND	ND	ND	NC	70 - 130	25
Toluene	ND	0.270	ND	1.02	102	3.72	3.67	0.987	0.974	NC	70 - 130	25
Trans-1,2-Dichloroethene	ND	0.250	ND	0.99	106	ND	ND	ND	ND	NC	70 - 130	25
trans-1,3-Dichloropropene	ND	0.220	ND	1.00	107	ND	ND	ND	ND	NC	70 - 130	25
Trichloroethene	ND	0.037	ND	0.20	108	ND	ND	ND	ND	NC	70 - 130	25
Trichlorofluoromethane	ND	0.180	ND	1.01	113	1.27	1.27	0.227	0.227	NC	70 - 130	25
Trichlorotrifluoroethane	ND	0.130	ND	1.00	105	ND	ND	ND	ND	NC	70 - 130	25
Vinyl Chloride	ND	0.078	ND	0.20	104	ND	ND	ND	ND	NC	70 - 130	25
% Bromofluorobenzene	80	%	80	%	89	95	96	95	96	NC	70 - 130	25
% IS-1,4-Difluorobenzene	99	%	99	%	98	99	98	99	98	NC	60 - 140	25
% IS-Bromochloromethane	100	%	100	%	98	99	98	99	98	NC	60 - 140	25
% IS-Chlorobenzene-d5	97	%	97	%	105	101	101	101	101	NC	60 - 140	25

QA/QC Batch 805825 (ppbv), QC Sample No: CU37307 (CU37307)

Volatiles

1,1,1,2-Tetrachloroethane	ND	0.150	ND	1.03	88	ND	ND	ND	ND	NC	70 - 130	25
1,1,1-Trichloroethane	ND	0.180	ND	0.98	100	ND	ND	ND	ND	NC	70 - 130	25
1,1,2,2-Tetrachloroethane	ND	0.150	ND	1.03	100	ND	ND	ND	ND	NC	70 - 130	25
1,1,2-Trichloroethane	ND	0.180	ND	0.98	95	ND	ND	ND	ND	NC	70 - 130	25
1,1-Dichloroethane	ND	0.250	ND	1.01	102	ND	ND	ND	ND	NC	70 - 130	25
1,1-Dichloroethene	ND	0.050	ND	0.20	101	ND	ND	ND	ND	NC	70 - 130	25
1,2,4-Trichlorobenzene	ND	0.130	ND	0.96	66	ND	ND	ND	ND	NC	70 - 130	25
1,2,4-Trimethylbenzene	ND	0.200	ND	0.98	103	ND	ND	ND	ND	NC	70 - 130	25
1,2-Dibromoethane(EDB)	ND	0.130	ND	1.00	99	ND	ND	ND	ND	NC	70 - 130	25
1,2-Dichlorobenzene	ND	0.170	ND	1.02	90	ND	ND	ND	ND	NC	70 - 130	25
1,2-Dichloroethane	ND	0.250	ND	1.01	103	ND	ND	ND	ND	NC	70 - 130	25
1,2-dichloropropane	ND	0.220	ND	1.02	100	ND	ND	ND	ND	NC	70 - 130	25
1,2-Dichlorotetrafluoroethane	ND	0.140	ND	0.98	100	ND	ND	ND	ND	NC	70 - 130	25

QA/QC Data

SDG I.D.: GCU37304

Parameter	Blk ppbv	Blk RL ppbv	Blk ug/m3	Blk RL ug/m3	LCS %	Sample Result ug/m3	Sample Dup ug/m3	Sample Result ppbv	Sample Dup ppbv	DUP RPD	% Rec Limits	% RPD Limits
1,3,5-Trimethylbenzene	ND	0.200	ND	0.98	98	ND	ND	ND	ND	NC	70 - 130	25
1,3-Butadiene	ND	0.450	ND	0.99	103	ND	ND	ND	ND	NC	70 - 130	25
1,3-Dichlorobenzene	ND	0.170	ND	1.02	92	ND	ND	ND	ND	NC	70 - 130	25
1,4-Dichlorobenzene	ND	0.170	ND	1.02	91	ND	ND	ND	ND	NC	70 - 130	25
1,4-Dioxane	ND	0.280	ND	1.01	101	ND	ND	ND	ND	NC	70 - 130	25
2,2,4-Trimethylpentane	ND	0.210	ND	0.98	107	ND	ND	ND	ND	NC	70 - 130	25
2-Hexanone(MBK)	ND	0.240	ND	0.98	116	ND	ND	ND	ND	NC	70 - 130	25
4-Ethyltoluene	ND	0.200	ND	0.98	103	ND	ND	ND	ND	NC	70 - 130	25
4-Isopropyltoluene	ND	0.180	ND	0.99	95	ND	ND	ND	ND	NC	70 - 130	25
4-Methyl-2-pentanone(MIBK)	ND	0.240	ND	0.98	108	ND	ND	ND	ND	NC	70 - 130	25
Acetone	ND	0.420	ND	1.00	104	10.7	11.0	4.49	4.62	2.9	70 - 130	25
Acrylonitrile	ND	0.460	ND	1.00	128	ND	ND	ND	ND	NC	70 - 130	25
Benzene	ND	0.310	ND	0.99	96	ND	ND	ND	ND	NC	70 - 130	25
Benzyl chloride	ND	0.190	ND	0.98	108	ND	ND	ND	ND	NC	70 - 130	25
Bromodichloromethane	ND	0.150	ND	1.00	102	ND	ND	ND	ND	NC	70 - 130	25
Bromoform	ND	0.097	ND	1.00	94	ND	ND	ND	ND	NC	70 - 130	25
Bromomethane	ND	0.260	ND	1.01	92	ND	ND	ND	ND	NC	70 - 130	25
Carbon Disulfide	ND	0.320	ND	1.00	98	ND	ND	ND	ND	NC	70 - 130	25
Carbon Tetrachloride	ND	0.032	ND	0.20	101	0.50	0.50	0.079	0.080	NC	70 - 130	25
Chlorobenzene	ND	0.220	ND	1.01	92	ND	ND	ND	ND	NC	70 - 130	25
Chloroethane	ND	0.380	ND	1.00	97	ND	ND	ND	ND	NC	70 - 130	25
Chloroform	ND	0.200	ND	0.98	99	ND	ND	ND	ND	NC	70 - 130	25
Chloromethane	ND	0.480	ND	0.99	102	1.42	1.41	0.687	0.683	NC	70 - 130	25
Cis-1,2-Dichloroethene	ND	0.050	ND	0.20	100	ND	ND	ND	ND	NC	70 - 130	25
cis-1,3-Dichloropropene	ND	0.220	ND	1.00	102	ND	ND	ND	ND	NC	70 - 130	25
Cyclohexane	ND	0.290	ND	1.00	96	ND	ND	ND	ND	NC	70 - 130	25
Dibromochloromethane	ND	0.120	ND	1.02	100	ND	ND	ND	ND	NC	70 - 130	25
Dichlorodifluoromethane	ND	0.200	ND	0.99	101	2.31	2.36	0.467	0.478	NC	70 - 130	25
Ethanol	ND	0.530	ND	1.00	124	9.5	9.8	5.05	5.21	3.1	70 - 130	25
Ethyl acetate	ND	0.280	ND	1.01	110	ND	ND	ND	ND	NC	70 - 130	25
Ethylbenzene	ND	0.230	ND	1.00	101	ND	ND	ND	ND	NC	70 - 130	25
Heptane	ND	0.240	ND	0.98	104	ND	ND	ND	ND	NC	70 - 130	25
Hexachlorobutadiene	ND	0.094	ND	1.00	75	ND	ND	ND	ND	NC	70 - 130	25
Hexane	ND	0.280	ND	0.99	103	ND	ND	ND	ND	NC	70 - 130	25
Isopropylalcohol	ND	0.410	ND	1.01	111	1.30	1.39	0.530	0.566	NC	70 - 130	25
Isopropylbenzene	ND	0.200	ND	0.98	95	ND	ND	ND	ND	NC	70 - 130	25
m,p-Xylene	ND	0.230	ND	1.00	106	ND	ND	ND	ND	NC	70 - 130	25
Methyl Ethyl Ketone	ND	0.340	ND	1.00	106	1.12	1.13	0.381	0.384	NC	70 - 130	25
Methyl tert-butyl ether(MTBE)	ND	0.280	ND	1.01	98	ND	ND	ND	ND	NC	70 - 130	25
Methylene Chloride	ND	0.860	ND	2.99	100	ND	ND	ND	ND	NC	70 - 130	25
Naphthalene	ND	0.200	ND	1.05	79	ND	ND	ND	ND	NC	70 - 130	25
n-Butylbenzene	ND	0.180	ND	0.99	103	ND	ND	ND	ND	NC	70 - 130	25
o-Xylene	ND	0.230	ND	1.00	99	ND	ND	ND	ND	NC	70 - 130	25
Propylene	ND	0.580	ND	1.00	96	ND	ND	ND	ND	NC	70 - 130	25
sec-Butylbenzene	ND	0.180	ND	0.99	98	ND	ND	ND	ND	NC	70 - 130	25
Styrene	ND	0.230	ND	0.98	95	ND	ND	ND	ND	NC	70 - 130	25
Tetrachloroethene	ND	0.037	ND	0.25	91	ND	ND	ND	ND	NC	70 - 130	25
Tetrahydrofuran	ND	0.340	ND	1.00	101	ND	ND	ND	ND	NC	70 - 130	25
Toluene	ND	0.270	ND	1.02	101	1.43	1.48	0.381	0.392	NC	70 - 130	25
Trans-1,2-Dichloroethene	ND	0.250	ND	0.99	103	ND	ND	ND	ND	NC	70 - 130	25
trans-1,3-Dichloropropene	ND	0.220	ND	1.00	104	ND	ND	ND	ND	NC	70 - 130	25
Trichloroethene	ND	0.037	ND	0.20	94	ND	ND	ND	ND	NC	70 - 130	25
Trichlorofluoromethane	ND	0.180	ND	1.01	99	1.24	1.27	0.220	0.226	NC	70 - 130	25

QA/QC Data

SDG I.D.: GCU37304

Parameter	Blk ppbv	Blk RL ppbv	Blk ug/m3	Blk RL ug/m3	LCS %	Sample Result ug/m3	Sample Dup ug/m3	Sample Result ppbv	Sample Dup ppbv	DUP RPD	% Rec Limits	% RPD Limits
Trichlorotrifluoroethane	ND	0.130	ND	1.00	96	ND	ND	ND	ND	NC	70 - 130	25
Vinyl Chloride	ND	0.078	ND	0.20	101	ND	ND	ND	ND	NC	70 - 130	25
% Bromofluorobenzene	96	%	96	%	96	97	96	97	96	NC	70 - 130	25
% IS-1,4-Difluorobenzene	98	%	98	%	107	94	91	94	91	NC	60 - 140	25
% IS-Bromochloromethane	100	%	100	%	109	94	91	94	91	NC	60 - 140	25
% IS-Chlorobenzene-d5	100	%	100	%	115	93	91	93	91	NC	60 - 140	25

QA/QC Batch 805933 (ppbv), QC Sample No: CU37309 (CU37305, CU37306, CU37308, CU37309)

Volatiles

1,1,1,2-Tetrachloroethane	ND	0.150	ND	1.03	93	ND	ND	ND	ND	NC	70 - 130	25
1,1,1-Trichloroethane	ND	0.180	ND	0.98	95	ND	ND	ND	ND	NC	70 - 130	25
1,1,2,2-Tetrachloroethane	ND	0.150	ND	1.03	101	ND	ND	ND	ND	NC	70 - 130	25
1,1,2-Trichloroethane	ND	0.180	ND	0.98	96	ND	ND	ND	ND	NC	70 - 130	25
1,1-Dichloroethane	ND	0.250	ND	1.01	97	ND	ND	ND	ND	NC	70 - 130	25
1,1-Dichloroethene	ND	0.050	ND	0.20	91	ND	ND	ND	ND	NC	70 - 130	25
1,2,4-Trichlorobenzene	ND	0.130	ND	0.96	92	ND	ND	ND	ND	NC	70 - 130	25
1,2,4-Trimethylbenzene	ND	0.200	ND	0.98	105	ND	ND	ND	ND	NC	70 - 130	25
1,2-Dibromoethane(EDB)	ND	0.130	ND	1.00	97	ND	ND	ND	ND	NC	70 - 130	25
1,2-Dichlorobenzene	ND	0.170	ND	1.02	103	ND	ND	ND	ND	NC	70 - 130	25
1,2-Dichloroethane	ND	0.250	ND	1.01	95	ND	ND	ND	ND	NC	70 - 130	25
1,2-dichloropropane	ND	0.220	ND	1.02	99	ND	ND	ND	ND	NC	70 - 130	25
1,2-Dichlorotetrafluoroethane	ND	0.140	ND	0.98	95	ND	ND	ND	ND	NC	70 - 130	25
1,3,5-Trimethylbenzene	ND	0.200	ND	0.98	101	ND	ND	ND	ND	NC	70 - 130	25
1,3-Butadiene	ND	0.450	ND	0.99	96	ND	ND	ND	ND	NC	70 - 130	25
1,3-Dichlorobenzene	ND	0.170	ND	1.02	97	ND	ND	ND	ND	NC	70 - 130	25
1,4-Dichlorobenzene	ND	0.170	ND	1.02	103	ND	ND	ND	ND	NC	70 - 130	25
1,4-Dioxane	ND	0.280	ND	1.01	100	ND	ND	ND	ND	NC	70 - 130	25
2,2,4-Trimethylpentane	ND	0.210	ND	0.98	100	ND	ND	ND	ND	NC	70 - 130	25
2-Hexanone(MBK)	ND	0.240	ND	0.98	100	ND	ND	ND	ND	NC	70 - 130	25
4-Ethyltoluene	ND	0.200	ND	0.98	105	ND	ND	ND	ND	NC	70 - 130	25
4-Isopropyltoluene	ND	0.180	ND	0.99	98	ND	ND	ND	ND	NC	70 - 130	25
4-Methyl-2-pentanone(MIBK)	ND	0.240	ND	0.98	98	ND	ND	ND	ND	NC	70 - 130	25
Acetone	ND	0.420	ND	1.00	90	62.0	63.1	26.1	26.6	1.9	70 - 130	25
Acrylonitrile	ND	0.460	ND	1.00	116	ND	ND	ND	ND	NC	70 - 130	25
Benzene	ND	0.310	ND	0.99	99	ND	ND	ND	ND	NC	70 - 130	25
Benzyl chloride	ND	0.190	ND	0.98	109	ND	ND	ND	ND	NC	70 - 130	25
Bromodichloromethane	ND	0.150	ND	1.00	95	ND	ND	ND	ND	NC	70 - 130	25
Bromoform	ND	0.097	ND	1.00	93	ND	ND	ND	ND	NC	70 - 130	25
Bromomethane	ND	0.260	ND	1.01	94	ND	ND	ND	ND	NC	70 - 130	25
Carbon Disulfide	ND	0.320	ND	1.00	93	ND	ND	ND	ND	NC	70 - 130	25
Carbon Tetrachloride	ND	0.032	ND	0.20	95	0.40	0.41	0.064	0.065	NC	70 - 130	25
Chlorobenzene	ND	0.220	ND	1.01	95	ND	ND	ND	ND	NC	70 - 130	25
Chloroethane	ND	0.380	ND	1.00	95	ND	ND	ND	ND	NC	70 - 130	25
Chloroform	ND	0.200	ND	0.98	97	ND	ND	ND	ND	NC	70 - 130	25
Chloromethane	ND	0.480	ND	0.99	95	1.14	1.19	0.554	0.576	NC	70 - 130	25
Cis-1,2-Dichloroethene	ND	0.050	ND	0.20	96	ND	ND	ND	ND	NC	70 - 130	25
cis-1,3-Dichloropropene	ND	0.220	ND	1.00	98	ND	ND	ND	ND	NC	70 - 130	25
Cyclohexane	ND	0.290	ND	1.00	91	ND	ND	ND	ND	NC	70 - 130	25
Dibromochloromethane	ND	0.120	ND	1.02	95	ND	ND	ND	ND	NC	70 - 130	25
Dichlorodifluoromethane	ND	0.200	ND	0.99	98	1.92	1.98	0.389	0.401	NC	70 - 130	25
Ethanol	ND	0.530	ND	1.00	108	2750 E	2810	1460 E	1490	2.0	70 - 130	25
Ethyl acetate	ND	0.280	ND	1.01	109	1.79	1.85	0.496	0.515	NC	70 - 130	25
Ethylbenzene	ND	0.230	ND	1.00	103	ND	ND	ND	ND	NC	70 - 130	25

QA/QC Data

SDG I.D.: GCU37304

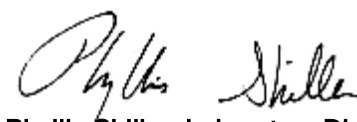
Parameter	Blk ppbv	Blk RL ppbv	Blk ug/m3	Blk RL ug/m3	LCS %	Sample Result ug/m3	Sample Dup ug/m3	Sample Result ppbv	Sample Dup ppbv	DUP RPD	% Rec Limits	% RPD Limits
Heptane	ND	0.240	ND	0.98	103	ND	ND	ND	ND	NC	70 - 130	25
Hexachlorobutadiene	ND	0.094	ND	1.00	97	ND	ND	ND	ND	NC	70 - 130	25
Hexane	ND	0.280	ND	0.99	102	ND	ND	ND	ND	NC	70 - 130	25
Isopropylalcohol	ND	0.410	ND	1.01	96	4320 E	558	1760 E	227	154.3	70 - 130	25
Isopropylbenzene	ND	0.200	ND	0.98	96	ND	ND	ND	ND	NC	70 - 130	25
m,p-Xylene	ND	0.230	ND	1.00	105	ND	ND	ND	ND	NC	70 - 130	25
Methyl Ethyl Ketone	ND	0.340	ND	1.00	109	2.39	2.35	0.811	0.798	NC	70 - 130	25
Methyl tert-butyl ether(MTBE)	ND	0.280	ND	1.01	96	ND	ND	ND	ND	NC	70 - 130	25
Methylene Chloride	ND	0.860	ND	2.99	88	3.40	3.41	0.979	0.981	NC	70 - 130	25
Naphthalene	ND	0.200	ND	1.05	97	ND	ND	ND	ND	NC	70 - 130	25
n-Butylbenzene	ND	0.180	ND	0.99	100	ND	ND	ND	ND	NC	70 - 130	25
o-Xylene	ND	0.230	ND	1.00	103	ND	ND	ND	ND	NC	70 - 130	25
Propylene	ND	0.580	ND	1.00	96	ND	ND	ND	ND	NC	70 - 130	25
sec-Butylbenzene	ND	0.180	ND	0.99	98	ND	ND	ND	ND	NC	70 - 130	25
Styrene	ND	0.230	ND	0.98	105	ND	ND	ND	ND	NC	70 - 130	25
Tetrachloroethene	ND	0.037	ND	0.25	92	18.3	18.8	2.70	2.77	2.6	70 - 130	25
Tetrahydrofuran	ND	0.340	ND	1.00	98	ND	ND	ND	ND	NC	70 - 130	25
Toluene	ND	0.270	ND	1.02	99	2.80	2.84	0.744	0.753	NC	70 - 130	25
Trans-1,2-Dichloroethene	ND	0.250	ND	0.99	100	ND	ND	ND	ND	NC	70 - 130	25
trans-1,3-Dichloropropene	ND	0.220	ND	1.00	97	ND	ND	ND	ND	NC	70 - 130	25
Trichloroethene	ND	0.037	ND	0.20	96	0.87	0.87	0.162	0.162	NC	70 - 130	25
Trichlorofluoromethane	ND	0.180	ND	1.01	91	ND	ND	ND	ND	NC	70 - 130	25
Trichlorotrifluoroethane	ND	0.130	ND	1.00	91	ND	ND	ND	ND	NC	70 - 130	25
Vinyl Chloride	ND	0.078	ND	0.20	95	ND	ND	ND	ND	NC	70 - 130	25
% Bromofluorobenzene	101	%	101	%	103	104	105	104	105	NC	70 - 130	25
% IS-1,4-Difluorobenzene	100	%	100	%	100	98	99	98	99	NC	60 - 140	25
% IS-Bromochloromethane	103	%	103	%	93	99	99	99	99	NC	60 - 140	25
% IS-Chlorobenzene-d5	102	%	102	%	104	101	102	101	102	NC	60 - 140	25

I = This parameter is outside laboratory LCS/LCSD specified recovery limits.

r = This parameter is outside laboratory RPD specified recovery limits.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

- RPD - Relative Percent Difference
- LCS - Laboratory Control Sample
- LCSD - Laboratory Control Sample Duplicate
- MS - Matrix Spike
- MS Dup - Matrix Spike Duplicate
- NC - No Criteria
- Intf - Interference
- (ISO) - Isotope Dilution


 Phyllis Shiller, Laboratory Director
 December 18, 2025

Sample Criteria Exceedances Report**GCU37304 - FPMGROUP**

SampNo	Acode	Phoenix Analyte	Criteria	Result	RL	Criteria	RL Criteria	Analysis Units
CU37304	\$AIR_NYTO15	Carbon Tetrachloride	NY / Air Guideline Values / Indoor Air	0.075	0.032	0.032	0.032	ppbv
CU37305	\$AIR_NYTO15	Carbon Tetrachloride	NY / Air Guideline Values / Indoor Air	0.034	0.032	0.032	0.032	ppbv
CU37306	\$AIR_NYTO15	Carbon Tetrachloride	NY / Air Guideline Values / Indoor Air	0.062	0.032	0.032	0.032	ppbv
CU37307	\$AIR_NYTO15	Carbon Tetrachloride	NY / Air Guideline Values / Indoor Air	0.079	0.032	0.032	0.032	ppbv
CU37308	\$AIR_NYTO15	Carbon Tetrachloride	NY / Air Guideline Values / Indoor Air	0.066	0.032	0.032	0.032	ppbv
CU37309	\$AIR_NYTO15	Trichloroethene	NY / Air Guideline Values / Indoor Air	0.162	0.037	0.037	0.037	ppbv
CU37309	\$AIR_NYTO15	Tetrachloroethene	NY / Air Guideline Values / Indoor Air	2.70	0.037	0.443	0.443	ppbv
CU37309	\$AIR_NYTO15	Methylene Chloride	NY / Air Guideline Values / Indoor Air	0.979	0.863	0.864	0.864	ppbv
CU37309	\$AIR_NYTO15	Carbon Tetrachloride	NY / Air Guideline Values / Indoor Air	0.064	0.032	0.032	0.032	ppbv

Phoenix Laboratories does not assume responsibility for the data contained in this exceedance report. It is provided as an additional tool to identify requested criteria exceedences. All efforts are made to ensure the accuracy of the data (obtained from appropriate agencies). A lack of exceedence information does not necessarily suggest conformance to the criteria. It is ultimately the site professional's responsibility to determine appropriate compliance.



Phoenix Environmental Laboratories, Inc.
581 East Main Street, P.O. Box 270, Manchester, CT 06040
Tel: (860) 645-1102 • Fax: (860) 645-1103

FPM GROUP

CHAIN OF CUSTODY RECORD

AIR ANALYSES

860-645-1102

email: greg@phoenixlabs.com

Page 1 of 1

P.O. #

Data Delivery:

Fax #:

Email:

Phone #:

Q. can you email me? @ Phoenix Labs

Report to: Ben Canem	Project Name: Captree	Data Format: (Circle) Excel	Other:
Customer: FPM Group	Invoice to:	Requested Deliverable: RCP	ASP CAT B
Address: 640 Johnson Avenue, Suite 101		MCP	NJ Deliverables
18012 Bohemia, NY 11716	Sampled by: JS/MS/JS	Quote Number:	

Phoenix ID #	Client Sample ID	Canister ID #	Canister Size (L)	Outgoing Canister Pressure ("Hg)	Incoming Canister Pressure ("Hg)	Flow Regulator ID #	Flow Controller Setting (mL/min)	Sampling Start Time	Sampling End Time	Sample Start Date	Canister Pressure at Start ("Hg)	Canister Pressure at End ("Hg)	Ambient/Indoor Air	Soil Gas	Grab (G) Composite (C)	TO-15	ANALYSES
THIS SECTION FOR LAB USE ONLY																	
37304	CU-IA-1	13652	6.0L	-30	-10	3504	10.9	7:51	10:00	9/20/25	-30	-10	X	X		X	
37305	CU-IA-3	28592	6.0L	-30	-9	4979	11.1	7:59	10:00	9/20/25	-29	-10	X	X			
37306	Effluent	28608	6.0L	-30	-13	10648	10.8	8:03	10:00	9/20/25	-30	-13	X	X			
	* Not Used *	49260	6.0L	-30		10618	10.6										
37307	Outdoor Ambient	28577	6.0L	-30	-10	5238	11.4	8:16	10:00	9/20/25	-30	-10	X	X			
37308	CU-IA-2	28555	6.0L	-30	-8	5623	10.6	7:54	10:00	9/20/25	-30	-8	X	X			
37309	PT-IA-1	49205	6.0L	-30	-9	10586	11.1	8:11	10:00	9/20/25	-30	-9	X	X			

Relinquished by: <i>Ben Canem</i>	Accepted by: <i>Ben Canem</i>	Date: 9-29-2025	Time: 1323
State Where Samples Collected: <i>Bohemia, NY</i>	Requested Criteria: (Please Circle) MA	Signature: <i>Ben Canem</i>	Date: 9-29-25
Turnaround Time: ☐ 1 Day* ☐ 2 Day* ☐ 3 Day* ☐ 4 Day* ☐ 5 Day* ☒ Standard *SURCHARGES MAY APPLY	Requested Criteria: (Please Circle) MA TAC I/C TAC RES SVWC I/C SVWC RES GWV I/C GWV RES	NE Indoor Air: Residential Indoor Air: Ind/Commercial Soil Gas: Residential Ind/Commercial	NY Vapor Intrusion Indoor Air: Residential Non-residential Ind/Commercial
SPECIAL INSTRUCTIONS, OC REQUIREMENTS, REGULATORY INFORMATION: (7) - 501.8 hr *Received unused 9/25/25			



587 East Middle Turnpike, P.O. Box 370, Manchester, CT 06040
Telephone: 860.645.1102 • Fax: 860.645.0823

NY ANALYTICAL SERVICES PROTOCOL
DATA PACKAGE

Client: FPM Group

CAPTREE

Laboratory Project: GCU37304

Volatile TO15
Ver 1

Organic Data Flags

LOD(MDL):	Limit of Detection or Method Detection Limit The minimum reportable concentration that can be measured with confidence.
PQL(RL):	Practical Quantitation Level or Reporting Level This value is at or above the MDL and is supported by the lowest calibration standard.
Q Qualifiers:	U - The compound was analyzed for but not detected at or above the MDL. The number immediately preceding the "U" represents the PQL reporting level corrected for percent solids, weight and/or volume calculations, and dilution factors. J - Indicates an estimated value, may indicate one of the following, depending on the situation: a) The reported value is estimated and below the RL. Compounds that are detected above MDL but below RL are qualified with a J flag. b) Used when estimating a concentration for TIC where a 1:1 response is assumed or when the result indicates the presence of a compound that meets the identification criteria, but the results is less than the quantitation limit, but greater than zero. c) QC associated with this analyte is within warning limits. X - The concentration is not reported. This quantitation file was not evaluated for this compound at this dilution; a volatile purging or related issue may be the cause. L - Biased Low N - The concentration is based on the response of the nearest internal. This flag is used on the TIC form for all compounds identified. S - This compound is a solvent that is used in the laboratory. Laboratory contamination is suspected if concentration is less than five times the reporting level. B - This compound was also present in the method blank D - The reported concentration is the result of a diluted analysis. Samples that require dilution may result in elevated reporting limits that exceed requested criteria for one or more analytes. E - The reported value is estimated because the concentration exceeded the calibration range. A - Indicates that the tentatively identified compound is a suspected aldol condensation product. Aldol condensation products are produced during the extraction process. Q - For TICS, this compound was quantitated using a calibration curve. This compound is part of the instrument method, but not part of the client target list. P - Percent difference is greater than 25% between the two GC columns and the lower result is reported.

SDG: GCU37304

Volatile Air Conformance / Non-Conformance Summary

Project ID / Client ID: CAPTREE, FPM Group

Form 1 (Analysis):

No observations noted.

Detailed reference spectra will print 'Below Cal' for the full scan compounds that are reported from the SIM and are below the lowest calibration point in the full scan analysis. If analytes required manual integration. Manual integrations are flagged with an 'm' to indicate the analyte that required this process.

Form 2 (Surrogates):

All surrogates met criteria with the following exceptions:

Sample: CU36389 LCS - Bromochloromethane % (70-130), 1,4-Difluorobenzene % (70-130), Chlorobenzene-d5 % (70-130)

Form 3 (Laboratory Control/Matrix Spike):

Sample: CU36389 LCS

All LCS recoveries met criteria with the following exceptions: None.

Sample: CU37307 LCS

All LCS recoveries met criteria with the following exceptions: 1,2,4-Trichlorobenzene 66%

Sample: CU37304 LCS

All LCS recoveries met criteria with the following exceptions: Acrylonitrile 135%, 1,2,4-Trichlorobenzene 135%, Naphthalene 131%

Sample: CU37309 LCS

All LCS recoveries met criteria with the following exceptions: None.

Form 4 (Method Blank):

File: CHEM20 0929_05.D

All compounds were non-detect with the following exceptions: None.

File: CHEM20 0930_04.D

All compounds were non-detect with the following exceptions: None.

File: CHEM24 0930_05.D

All compounds were non-detect with the following exceptions: None.

File: CHEM39 0930_08.D

All compounds were non-detect with the following exceptions: None.

Form 5 (Tune):

File: CHEM20 0909_04.D

All Tune criteria was met with the following exceptions: None.

File: CHEM20 0929_02.D

All Tune criteria was met with the following exceptions: None.

File: CHEM20 0930_01.D



Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06040
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SDG: GCU37304

Volatile Air Conformance / Non-Conformance Summary

Project ID / Client ID: CAPTREE, FPM Group

All Tune criteria was met with the following exceptions: None.

File: CHEM24 0923_03.D

All Tune criteria was met with the following exceptions: None.

File: CHEM24 0930_02.D

All Tune criteria was met with the following exceptions: None.

File: CHEM39 0920_02.D

All Tune criteria was met with the following exceptions: None.

File: CHEM39 0930_05.D

All Tune criteria was met with the following exceptions: None.

Form 6 (Initial Calibration):

Calibration: CHEM20 09/09/25 - 09/09/25

100% of method compounds met criteria.

The following compounds did not meet maximum % deviations: None.

All ICV recoveries met criteria (70-130) with the following exceptions: None.

Calibration: CHEM24 09/23/25 - 09/23/25

100% of method compounds met criteria.

The following compounds did not meet maximum % deviations: None.

All ICV recoveries met criteria (70-130) with the following exceptions: None.

Calibration: CHEM39 09/20/25 - 09/20/25

100% of method compounds met criteria.

The following compounds did not meet maximum % deviations: None.

All ICV recoveries met criteria (70-130) with the following exceptions:

Form 7 (Continuing Calibration):

File: CHEM20 0929_02.D (Opening)

100% of method compounds met criteria.

The following compounds did not meet maximum % deviations: None.

File: CHEM20 0930_01.D (Closing / Opening)

100% of method compounds met criteria.

The following compounds did not meet maximum % deviations: None.

File: CHEM20 0930_25.D (Closing)

The following compounds did not meet maximum % deviations: None.

File: CHEM24 0930_02.D (Opening)

99% of method compounds met criteria.

The following compounds did not meet maximum % deviations: 1,2,4-Trichlorobenzene 52.0% (20), Naphthalene 35.8% (30),
1,2,4-Trichlorobenzene(sim) 35.0% (20)

File: CHEM24 0930_27.D (Closing)

The following compounds did not meet maximum % deviations: 1,2,4-Trichlorobenzene 44.0% (20), Naphthalene 31.9% (30),
1,2,4-Trichlorobenzene(sim) 30.0% (20)



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SDG: GCU37304

Volatile Air Conformance / Non-Conformance Summary

Project ID / Client ID: CAPTREE, FPM Group

File: CHEM39 0930_05.D (Opening)

100% of method compounds met criteria.

The following compounds did not meet maximum % deviations: 1,4-Dioxane(sim) 21.0% (20)

Form 8 (Internal Standard and Retention Time):

File: CHEM20 - 20_AIR_0909.M / 0929_02.D Full

All samples met internal standard area and retention time criteria with the following exceptions: None.

File: CHEM20 - 20_AIR_0909.M / 0929_02.D Sim

All samples met internal standard area and retention time criteria with the following exceptions: None.

File: CHEM20 - 20_AIR_0909.M / 0930_01.D Full

All samples met internal standard area and retention time criteria with the following exceptions: None.

File: CHEM20 - 20_AIR_0909.M / 0930_01.D Sim

All samples met internal standard area and retention time criteria with the following exceptions: None.

File: CHEM20 - 20_AIR_0909.M / Average Full

All samples met internal standard area and retention time criteria with the following exceptions: None.

File: CHEM20 - 20_AIR_0909.M / Average Sim

All samples met internal standard area and retention time criteria with the following exceptions: None.

File: CHEM24 - 24_AIR_0923.M / 0930_02.D Full

All samples met internal standard area and retention time criteria with the following exceptions: None.

File: CHEM24 - 24_AIR_0923.M / 0930_02.D Sim

All samples met internal standard area and retention time criteria with the following exceptions: None.

File: CHEM24 - 24_AIR_0923.M / Average Full

All samples met internal standard area and retention time criteria with the following exceptions: None.

File: CHEM24 - 24_AIR_0923.M / Average Sim

All samples met internal standard area and retention time criteria with the following exceptions: None.

File: CHEM39 - 39_AIR_0920.M / 0930_05.D Full

All samples met internal standard area and retention time criteria with the following exceptions: None.

File: CHEM39 - 39_AIR_0920.M / 0930_05.D Sim

All samples met internal standard area and retention time criteria with the following exceptions: None.

File: CHEM39 - 39_AIR_0920.M / Average Full

All samples met internal standard area and retention time criteria with the following exceptions: None.

File: CHEM39 - 39_AIR_0920.M / Average Sim

All samples met internal standard area and retention time criteria with the following exceptions: None.

Sample data is not affected by detections in the canister cleaning blank associated with this SDG.

Any compound that is not detected above the MDL/LOD is reported as ND on the report and is reported in the electronic



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SDG: GCU37304

Volatile Air Conformance / Non-Conformance Summary

Project ID / Client ID: CAPTREE, FPM Group

deliverables (EDD) as <RL or U at the RL per state and EPA guidance.

10/24/25

Alejandro Paredes
Project Manager

Lab Name:

Phoenix Environmental Labs

Client:

FPMGROUP

Lab Code:

Phoenix

Case No.:

SDG:

GCU37304

QC Batch Id:

805724

QC Sample Id:

CU36389

	CLIENT ID	LAB ID	SMC1 BFB #				TOT OUT
01	CU36389 LCS	CU36389 LCS	103				0
02	CU36389 BLANK	CU36389 BLANK	103				0
03	CU36389 QC 0.5 X	CU36389 QC 0.5 X	103				0
04	CU36389 DUP 0.5 X	CU36389 DUP 0.5 X	103				0
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Column to be used to flag recovery values
* Values outside of contract required QC limits
D Surrogate diluted out

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Lab Name: Phoenix Environmental Labs Client: FPMGROUP

Lab Code: Phoenix Case No.: SDG: GCU37304

QC Batch Id: 805932 QC Sample Id: CU37304

	CLIENT ID	LAB ID	SMC1 BFB #				TOT OUT
01	CU37304 LCS	CU37304 LCS	89				0
02	CU37304 BLANK	CU37304 BLANK	80				0
03	CV-IA-1	CU37304	95				0
04	CV-IA-1 DUP	CU37304 DUP	96				0
05							
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Column to be used to flag recovery values
* Values outside of contract required QC limits
D Surrogate diluted out

Page 44 of 539

Lab Name: Phoenix Environmental Labs Client: FPMGROUP
 Lab Code: Phoenix Case No.: SDG: GCU37304
 QC Batch Id: 805825 QC Sample Id: CU37307

	CLIENT ID	LAB ID	SMC1 BFB #				TOT OUT
01	CU37307 LCS	CU37307 LCS	96				0
02	CU37307 BLANK	CU37307 BLANK	96				0
03	OUTDOOR AMBIENT	CU37307	97				0
04	OUTDOOR AMBIENT DUP	CU37307 DUP	96				0
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Column to be used to flag recovery values
* Values outside of contract required QC limits
D Surrogate diluted out

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Lab Name: Phoenix Environmental Labs Client: FPMGROUP

Lab Code: Phoenix Case No.: SDG: GCU37304

QC Batch Id: 805933 QC Sample Id: CU37309

	CLIENT ID	LAB ID	SMC1 BFB #				TOT OUT
01	CU37309 LCS	CU37309 LCS	103				0
02	CU37309 BLANK	CU37309 BLANK	101				0
03	PT-IA-1	CU37309	104				0
04	PT-IA-1 DUP	CU37309 DUP	105				0
05	EFFLUENT	CU37306	103				0
06	CV-IA-2	CU37308	103				0
07	CV-IA-3	CU37305	103				0
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Column to be used to flag recovery values
* Values outside of contract required QC limits
D Surrogate diluted out

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3
AIR LCS RECOVERY

Lab Name: Phoenix Environmental Labs Client: FPMGROUP
 Lab Code: Phoenix Case No: _____ SAS No: _____ SDG No GCU37304
 LCS - Client Id: CU36389 LCS

COMPOUND	SPIKE ADDED (ppbv)		LCS CONCENTRATION (ppbv)	LCS % REC #	QC. LIMITS REC.	
Propylene	10		9.848	98	70	130
Dichlorodifluoromethane	10		9.920	99	70	130
Chloromethane	10		9.716	97	70	130
1,2-Dichlorotetrafluoroethane	10		9.658	97	70	130
Vinyl Chloride	10		9.638	96	70	130
1,3-Butadiene	10		9.696	97	70	130
Bromomethane	10		9.610	96	70	130
Chloroethane	10		9.563	96	70	130
Ethanol	10		10.71	107	70	130
Acetone	10		9.044	90	70	130
Trichlorofluoromethane	10		9.298	93	70	130
Isopropylalcohol	10		9.790	98	70	130
Acrylonitrile	10		11.68	117	70	130
1,1-Dichloroethene	10		9.181	92	70	130
Methylene Chloride	10		9.011	90	70	130
Carbon Disulfide	10		9.406	94	70	130
Trichlorotrifluoroethane	10		9.219	92	70	130
Trans-1,2-Dichloroethene	10		10.04	100	70	130
1,1-Dichloroethane	10		9.674	97	70	130
Methyl tert-butyl ether(MTBE)	10		9.631	96	70	130
Methyl Ethyl Ketone	10		9.790	98	70	130
Cis-1,2-Dichloroethene	10		9.440	94	70	130
Hexane	10		10.24	102	70	130
Chloroform	10		9.448	94	70	130
Ethyl acetate	10		10.78	108	70	130
Tetrahydrofuran	10		9.630	96	70	130
1,2-Dichloroethane	10		9.374	94	70	130
1,1,1-Trichloroethane	10		9.506	95	70	130
Benzene	10		9.843	98	70	130
Carbon Tetrachloride	10		9.523	95	70	130
Cyclohexane	10		9.096	91	70	130
1,2-dichloropropane	10		9.874	99	70	130
Bromodichloromethane	10		9.695	97	70	130
Trichloroethene	10		9.539	95	70	130
2,2,4-trimethylpentane	10		9.965	100	70	130
1,4-Dioxane	10		10.06	101	70	130
Heptane	10		10.33	103	70	130
cis-1,3-Dichloropropene	10		9.950	100	70	130
4-Methyl-2-pentanone(MIBK)	10		9.871	99	70	130
trans-1,3-Dichloropropene	10		9.716	97	70	130
1,1,2-Trichloroethane	10		9.681	97	70	130
Toluene	10		9.967	100	70	130
Dibromochloromethane	10		9.581	96	70	130
2-Hexanone(MBK)	10		10.14	101	70	130

FORM III AIR

LCS - Client Id: CU36389 LCS

[illegible]

3
AIR LCS RECOVERY

Lab Name: Phoenix Environmental Labs Client: FPMGROUP
 Lab Code: Phoenix Case No: _____ SAS No: _____ SDG No GCU37304
 LCS - Client Id: CU37304 LCS

COMPOUND	SPIKE ADDED (ppbv)		LCS CONCENTRATION (ppbv)	LCS % REC #	QC. LIMITS REC.	
Propylene	10		10.05	101	70	130
Dichlorodifluoromethane	10		12.06	121	70	130
Chloromethane	10		10.48	105	70	130
1,2-Dichlorotetrafluoroethane	10		11.09	111	70	130
Vinyl Chloride	10		10.38	104	70	130
1,3-Butadiene	10		10.38	104	70	130
Bromomethane	10		10.50	105	70	130
Chloroethane	10		10.16	102	70	130
Ethanol	10		10.85	109	70	130
Acetone	10		9.959	100	70	130
Trichlorofluoromethane	10		11.29	113	70	130
Isopropylalcohol	10		10.88	109	70	130
Acrylonitrile	10		13.54	135 *	70	130
1,1-Dichloroethene	10		10.48	105	70	130
Methylene Chloride	10		10.45	105	70	130
Carbon Disulfide	10		9.738	97	70	130
Trichlorotrifluoroethane	10		10.50	105	70	130
Trans-1,2-Dichloroethene	10		10.55	106	70	130
1,1-Dichloroethane	10		10.24	102	70	130
Methyl tert-butyl ether(MTBE)	10		10.14	101	70	130
Methyl Ethyl Ketone	10		10.69	107	70	130
Cis-1,2-Dichloroethene	10		10.43	104	70	130
Hexane	10		10.22	102	70	130
Chloroform	10		10.57	106	70	130
Ethyl acetate	10		11.35	114	70	130
Tetrahydrofuran	10		10.04	100	70	130
1,2-Dichloroethane	10		11.45	115	70	130
1,1,1-Trichloroethane	10		10.99	110	70	130
Benzene	10		9.684	97	70	130
Carbon Tetrachloride	10		11.27	113	70	130
Cyclohexane	10		9.589	96	70	130
1,2-dichloropropane	10		10.07	101	70	130
Bromodichloromethane	10		11.32	113	70	130
Trichloroethene	10		10.80	108	70	130
2,2,4-trimethylpentane	10		10.43	104	70	130
1,4-Dioxane	10		12.50	125	70	130
Heptane	10		10.61	106	70	130
cis-1,3-Dichloropropene	10		10.36	104	70	130
4-Methyl-2-pentanone(MIBK)	10		11.63	116	70	130
trans-1,3-Dichloropropene	10		10.71	107	70	130
1,1,2-Trichloroethane	10		10.40	104	70	130
Toluene	10		10.20	102	70	130
Dibromochloromethane	10		11.61	116	70	130
2-Hexanone(MBK)	10		12.90	129	70	130

FORM III AIR

LCS - Client Id: CU37304 LCS

[illegible]

3
AIR LCS RECOVERY

Lab Name: Phoenix Environmental Labs Client: FPMGROUP
 Lab Code: Phoenix Case No: _____ SAS No: _____ SDG No GCU37304
 LCS - Client Id: CU37307 LCS

COMPOUND	SPIKE ADDED (ppbv)		LCS CONCENTRATION (ppbv)	LCS % REC #	QC. LIMITS REC.	
Propylene	10		9.573	96	70	130
Dichlorodifluoromethane	10		10.08	101	70	130
Chloromethane	10		10.19	102	70	130
1,2-Dichlorotetrafluoroethane	10		10.00	100	70	130
Vinyl Chloride	10		10.14	101	70	130
1,3-Butadiene	10		10.32	103	70	130
Bromomethane	10		9.198	92	70	130
Chloroethane	10		9.699	97	70	130
Ethanol	10		12.37	124	70	130
Acetone	10		10.38	104	70	130
Trichlorofluoromethane	10		9.913	99	70	130
Isopropylalcohol	10		11.06	111	70	130
Acrylonitrile	10		12.75	128	70	130
1,1-Dichloroethene	10		10.05	101	70	130
Methylene Chloride	10		9.992	100	70	130
Carbon Disulfide	10		9.808	98	70	130
Trichlorotrifluoroethane	10		9.621	96	70	130
Trans-1,2-Dichloroethene	10		10.28	103	70	130
1,1-Dichloroethane	10		10.17	102	70	130
Methyl tert-butyl ether(MTBE)	10		9.829	98	70	130
Methyl Ethyl Ketone	10		10.56	106	70	130
Cis-1,2-Dichloroethene	10		9.986	100	70	130
Hexane	10		10.25	103	70	130
Chloroform	10		9.948	99	70	130
Ethyl acetate	10		10.95	110	70	130
Tetrahydrofuran	10		10.12	101	70	130
1,2-Dichloroethane	10		10.32	103	70	130
1,1,1-Trichloroethane	10		9.964	100	70	130
Benzene	10		9.639	96	70	130
Carbon Tetrachloride	10		10.15	102	70	130
Cyclohexane	10		9.554	96	70	130
1,2-dichloropropane	10		10.03	100	70	130
Bromodichloromethane	10		10.25	103	70	130
Trichloroethene	10		9.350	94	70	130
2,2,4-trimethylpentane	10		10.69	107	70	130
1,4-Dioxane	10		10.11	101	70	130
Heptane	10		10.45	105	70	130
cis-1,3-Dichloropropene	10		10.21	102	70	130
4-Methyl-2-pentanone(MIBK)	10		10.75	108	70	130
trans-1,3-Dichloropropene	10		10.35	104	70	130
1,1,2-Trichloroethane	10		9.544	95	70	130
Toluene	10		10.09	101	70	130
Dibromochloromethane	10		9.962	100	70	130
2-Hexanone(MBK)	10		11.55	116	70	130

FORM III AIR

LCS - Client Id: CU37307 LCS

[illegible]

3
AIR LCS RECOVERY

Lab Name: Phoenix Environmental Labs Client: FPMGROUP
 Lab Code: Phoenix Case No: _____ SAS No: _____ SDG No GCU37304
 LCS - Client Id: CU37309 LCS

COMPOUND	SPIKE ADDED (ppbv)		LCS CONCENTRATION (ppbv)	LCS % REC #	QC. LIMITS REC.	
Propylene	10		9.574	96	70	130
Dichlorodifluoromethane	10		9.750	98	70	130
Chloromethane	10		9.492	95	70	130
1,2-Dichlorotetrafluoroethane	10		9.482	95	70	130
Vinyl Chloride	10		9.494	95	70	130
1,3-Butadiene	10		9.561	96	70	130
Bromomethane	10		9.389	94	70	130
Chloroethane	10		9.460	95	70	130
Ethanol	10		10.76	108	70	130
Acetone	10		8.953	90	70	130
Trichlorofluoromethane	10		9.127	91	70	130
Isopropylalcohol	10		9.608	96	70	130
Acrylonitrile	10		11.55	116	70	130
1,1-Dichloroethene	10		9.075	91	70	130
Methylene Chloride	10		8.759	88	70	130
Carbon Disulfide	10		9.261	93	70	130
Trichlorotrifluoroethane	10		9.064	91	70	130
Trans-1,2-Dichloroethene	10		9.980	100	70	130
1,1-Dichloroethane	10		9.696	97	70	130
Methyl tert-butyl ether(MTBE)	10		9.604	96	70	130
Methyl Ethyl Ketone	10		10.90	109	70	130
Cis-1,2-Dichloroethene	10		9.565	96	70	130
Hexane	10		10.24	102	70	130
Chloroform	10		9.677	97	70	130
Ethyl acetate	10		10.87	109	70	130
Tetrahydrofuran	10		9.753	98	70	130
1,2-Dichloroethane	10		9.457	95	70	130
1,1,1-Trichloroethane	10		9.466	95	70	130
Benzene	10		9.932	99	70	130
Carbon Tetrachloride	10		9.465	95	70	130
Cyclohexane	10		9.104	91	70	130
1,2-dichloropropane	10		9.905	99	70	130
Bromodichloromethane	10		9.524	95	70	130
Trichloroethene	10		9.629	96	70	130
2,2,4-trimethylpentane	10		10.03	100	70	130
1,4-Dioxane	10		9.983	100	70	130
Heptane	10		10.28	103	70	130
cis-1,3-Dichloropropene	10		9.826	98	70	130
4-Methyl-2-pentanone(MIBK)	10		9.836	98	70	130
trans-1,3-Dichloropropene	10		9.656	97	70	130
1,1,2-Trichloroethane	10		9.629	96	70	130
Toluene	10		9.887	99	70	130
Dibromochloromethane	10		9.472	95	70	130
2-Hexanone(MBK)	10		9.952	100	70	130

FORM III AIR

Lab Name: Phoenix Environmental Labs

Client: FPMGROUP

Lab Code: Phoenix

Case No:

SAS No:

SDG No: GCU37304

LCS - Client Id: CU37309 LCS

[illegible]

4A
AIR METHOD BLANK SUMMARY

Client ID

CU36389 BLANK

Lab Name: Phoenix Environmental Labs

Client: FPMGROUP

Lab Code: Phoenix Case No.: _____

SAS No.: _____

SDG No.: GCU37304

Lab File ID: 0929_05.D

Lab Sample ID: CU36389 BLK

Date Analyzed: 09/29/2025

Time Analyzed: 15:53

GC Column: RTX-1 60M

Lab Batch ID: 805724

Instrument ID: CHEM20

Heated Purge:(Y/N) Y

THIS METHOD BLANK APPLIES TO THE FOLLOWING QC AND FIELD SAMPLES:

	CLIENT SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
01	CU36389 LCS	CU36389 LCS	0929_04.D	15:22
02	CU36389 QC 0.5 X	CU36389 0.5X	0929_07.D	17:11
03	CU36389 DUP 0.5 X	CU36389 DUP 0.5X	0929_08.D	17:57
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COMMENTS:

FORM IV AIR

4A
AIR METHOD BLANK SUMMARY

Client ID

CU37304 BLANK

Lab Name: Phoenix Environmental Labs

Client: FPMGROUP

Lab Code: Phoenix Case No.: _____

SAS No.: _____

SDG No.: GCU37304

Lab File ID: 0930_08.D

Lab Sample ID: CU37304 BLK

Date Analyzed: 09/30/2025

Time Analyzed: 13:15

GC Column: RTX-1 ; #10157

Lab Batch ID: 805932

Instrument ID: CHEM39

Heated Purge:(Y/N) Y

THIS METHOD BLANK APPLIES TO THE FOLLOWING QC AND FIELD SAMPLES:

	CLIENT SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
01	CU37304 LCS	CU37304 LCS	0930_07.D	12:40
02	CV-IA-1	CU37304	0930_12.D	15:58
03	CV-IA-1 DUP	CU37304 DUP	0930_13.D	16:41
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COMMENTS:

FORM IV AIR

4A
AIR METHOD BLANK SUMMARY

Client ID

CU37307 BLANK

Lab Name: Phoenix Environmental Labs

Client: FPMGROUP

Lab Code: Phoenix Case No.: _____

SAS No.: _____

SDG No.: GCU37304

Lab File ID: 0930_05.D

Lab Sample ID: CU37307 BLK

Date Analyzed: 09/30/2025

Time Analyzed: 12:46

GC Column: RTX-1

Lab Batch ID: 805825

Instrument ID: CHEM24

Heated Purge:(Y/N) Y

THIS METHOD BLANK APPLIES TO THE FOLLOWING QC AND FIELD SAMPLES:

	CLIENT SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
01	CU37307 LCS	CU37307 LCS	0930_04.D	12:13
02	OUTDOOR AMBIENT	CU37307	0930_07.D	14:06
03	OUTDOOR AMBIENT DUP	CU37307 DUP	0930_08.D	14:48
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COMMENTS:

FORM IV AIR

4A
AIR METHOD BLANK SUMMARY

Client ID

CU37309 BLANK

Lab Name: Phoenix Environmental Labs

Client: FPMGROUP

Lab Code: Phoenix Case No.: _____

SAS No.: _____

SDG No.: GCU37304

Lab File ID: 0930_04.D

Lab Sample ID: CU37309 BLK

Date Analyzed: 09/30/2025

Time Analyzed: 14:15

GC Column: RTX-1 60M

Lab Batch ID: 805933

Instrument ID: CHEM20

Heated Purge:(Y/N) Y

THIS METHOD BLANK APPLIES TO THE FOLLOWING QC AND FIELD SAMPLES:

	CLIENT SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
01	CU37309 LCS	CU37309 LCS	0930_03.D	13:44
02	PT-IA-1	CU37309	0930_12.D	19:59
03	PT-IA-1 DUP	CU37309 DUP	0930_13.D	20:38
04	EFFLUENT	CU37306	0930_15.D	21:53
05	CV-IA-2	CU37308	0930_16.D	22:30
06	CV-IA-3	CU37305	0930_17.D	23:08
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COMMENTS:

FORM IV AIR

5B
AIR INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: Phoenix Environmental Labs

Client: FPMGROUP

Lab Code: Phoenix Case No.: _____

SAS No.: _____

SDG No.: GCU37304

Lab File ID: 0909_04.D

BFB Injection Date: 09/09/25

Instrument ID: CHEM20

BFB Injection Time: 12:38

GC Column: RTX-1 60M

Heated Purge: (Y/N) Y

AutoFind: Scans 1087, 1088, 1089; Background Corrected with Scan 1081

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	8.0 - 40.0% of mass 95	19.0
75	30.0 - 66.0% of mass 95	46.9
95	Base Peak, 100% relative abundance	100.0
96	5.0 - 9.0% of mass 95	6.7
173	Less than 2.0% of mass 174	0.0 (0.0)1
174	50.0 - 120.0% of mass 95	118.0
175	4.0 - 9.0% of mass 174	7.5 (8.8)1
176	93.0 - 101.0% of mass 174	98.8 (117.0)1
177	5.0 - 9.0% of mass 176	6.6 (7.7)1

1-Value is % mass 95

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

	CLIENT ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED	
01	ICAL 0.01	0.01 ppb; TO1515A	0909_05.D	09/09/25	13:10	
02	ICAL 0.02	0.02 ppb; TO1515A	0909_06.D	09/09/25	13:43	
03	ICAL 0.035	0.035 ppb; TO1515A	0909_07.D	09/09/25	14:17	
04	ICAL 0.05	0.05 ppb; TO1515A	0909_08.D	09/09/25	14:53	
05	ICAL 0.1	0.10 ppb; TO1515A	0909_09.D	09/09/25	15:25	
06	ICAL 0.2	0.20 ppb; TO1515A	0909_10.D	09/09/25	15:57	
07	ICAL 0.5	0.50 ppb; TO1515A	0909_11.D	09/09/25	16:32	
08	ICAL 2.5	2.5 ppb; TO1514Z	0909_12.D	09/09/25	17:07	
09	ICAL 5	5.0 ppb; TO1514Y	0909_13.D	09/09/25	17:39	
10	ICAL 25	25 ppb; TO1514Y	0909_14.D	09/09/25	18:14	
11	ICAL 40	40ppb; TO1514Y	0909_15.D	09/09/25	18:51	
12	ICAL 1	1ppb tune/cc; TO1514Z	0909_16.D	09/09/25	19:24	
13	ICAL 10	10ppb; TO1514Y	0909_17.D	09/09/25	19:56	
14	ICV_CHEM20_0909	10ppb lcs; TO1514X	0909_18.D	09/09/25	20:31	
15						
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25						

(*) Outside 24 hr clock

FORM V AIR

CLPBFB

Data Path : H:\AIR2025\CHEM20\09SEP\09\
Data File : 0909_04.D
Acq On : 9 Sep 2025 12:38 pm
Operator :
Sample : 0/0; ITSD AIR36F
Misc :
ALS Vial : 38 Sample Multiplier: 1

Integration File signal 1: rteint.p
Integration File signal 2: rteint2.p

Method : H:\AIR2025\CHEM20\Methods\20_AIR_0909.M
Title : VOA Standards for 5 point calibration
Last Update : Wed Sep 10 12:48:34 2025

AutoFind: Scans 1087, 1088, 1089; Background Corrected with Scan 1081

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	8	41	19.0	39616	PASS
75	95	30	66	46.9	97667	PASS
95	95	100	100	100.0	208192	PASS
96	95	5	9	6.7	13857	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	120	118.2	246016	PASS
175	174	4	9	7.5	18350	PASS
176	174	93	101	98.8	243136	PASS
177	176	5	9	6.6	15983	PASS

20_AIR_0909.M Wed Sep 10 12:49:01 2025

5B
AIR INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: Phoenix Environmental Labs

Client: FPMGROUP

Lab Code: Phoenix Case No.: _____

SAS No.: _____

SDG No.: GCU37304

Lab File ID: 0929_02.D

BFB Injection Date: 09/29/25

Instrument ID: CHEM20

BFB Injection Time: 14:14

GC Column: RTX-1 60M

Heated Purge: (Y/N) Y

AutoFind: Scans 1088, 1089, 1090; Background Corrected with Scan 1082

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	8.0 - 40.0% of mass 95	18.4
75	30.0 - 66.0% of mass 95	47.0
95	Base Peak, 100% relative abundance	100.0
96	5.0 - 9.0% of mass 95	6.7
173	Less than 2.0% of mass 174	0.0 (0.0)1
174	50.0 - 120.0% of mass 95	118.0
175	4.0 - 9.0% of mass 174	7.5 (8.8)1
176	93.0 - 101.0% of mass 174	98.7 (116.0)1
177	5.0 - 9.0% of mass 176	6.5 (7.5)1

1-Value is % mass 95

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

	CLIENT ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED	
01	CCAL 1	1ppb ccal; TO1516A	0929_02.D	09/29/25	14:14	
02	CU36389 LCS	CU36389 LCS	0929_04.D	09/29/25	15:22	
03	CU36389 BLANK	CU36389 BLANK	0929_05.D	09/29/25	15:53	
04	CU36389 QC 0.5 X	CU36389 QC 0.5 X	0929_07.D	09/29/25	17:11	
05	CU36389 DUP 0.5 X	CU36389 DUP 0.5 X	0929_08.D	09/29/25	17:57	
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25						

(*) Outside 24 hr clock

FORM V AIR

CLPBFB

Data Path : H:\AIR2025\CHEM20\09SEP\29\
Data File : 0929_02.D
Acq On : 29 Sep 2025 2:14 pm
Operator :
Sample : 1ppb ccal; T01516A
Misc :
ALS Vial : 28 Sample Multiplier: 1

Integration File signal 1: rteint.p
Integration File signal 2: rteint2.p

Method : H:\AIR2025\CHEM20\Methods\20_AIR_0909.M
Title : VOA Standards for 5 point calibration
Last Update : Wed Sep 10 12:52:46 2025

AutoFind: Scans 1088, 1089, 1090; Background Corrected with Scan 1082

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	8	41	18.4	43891	PASS
75	95	30	66	47.0	112008	PASS
95	95	100	100	100.0	238400	PASS
96	95	5	9	6.7	15885	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	120	118.0	281237	PASS
175	174	4	9	7.5	21018	PASS
176	174	93	101	98.7	277611	PASS
177	176	5	9	6.5	17944	PASS

20_AIR_0909.M Tue Sep 30 08:48:32 2025

5B
AIR INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: Phoenix Environmental Labs

Client: FPMGROUP

Lab Code: Phoenix Case No.: _____

SAS No.: _____

SDG No.: GCU37304

Lab File ID: 0930_01.D

BFB Injection Date: 09/30/25

Instrument ID: CHEM20

BFB Injection Time: 12:36

GC Column: RTX-1 60M

Heated Purge: (Y/N) Y

AutoFind: Scans 1087, 1088, 1089; Background Corrected with Scan 1081

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	8.0 - 40.0% of mass 95	19.3
75	30.0 - 66.0% of mass 95	47.0
95	Base Peak, 100% relative abundance	100.0
96	5.0 - 9.0% of mass 95	6.6
173	Less than 2.0% of mass 174	0.0 (0.0)1
174	50.0 - 120.0% of mass 95	113.0
175	4.0 - 9.0% of mass 174	7.7 (8.7)1
176	93.0 - 101.0% of mass 174	96.2 (109.0)1
177	5.0 - 9.0% of mass 176	6.8 (7.4)1

1-Value is % mass 95

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

	CLIENT ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED	
01	CCAL 1 / CC1	1ppb ccal; TO1516A	0930_01.D	09/30/25	12:36	
02	CU37309 LCS	CU37309 LCS	0930_03.D	09/30/25	13:44	
03	CU37309 BLANK	CU37309 BLANK	0930_04.D	09/30/25	14:15	
04	PT-IA-1	CU37309	0930_12.D	09/30/25	19:59	
05	PT-IA-1 DUP	CU37309 DUP	0930_13.D	09/30/25	20:38	
06	EFFLUENT	CU37306	0930_15.D	09/30/25	21:53	
07	CV-IA-2	CU37308	0930_16.D	09/30/25	22:30	
08	CV-IA-3	CU37305	0930_17.D	09/30/25	23:08	
09	CCCAL 1	1ppb ccal; TO1516A	0930_25.D	10/01/25	10:54	
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(*) Outside 24 hr clock

FORM V AIR

CLPBFB

Data Path : H:\AIR2025\CHEM20\09SEP\29\
 Data File : 0930_01.D
 Acq On : 30 Sep 2025 12:36 pm
 Operator :
 Sample : 1ppb ccal; T01516A
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Integration File signal 1: rteint.p
 Integration File signal 2: rteint2.p

Method : H:\AIR2025\CHEM20\Methods\20_AIR_0909.M
 Title : VOA Standards for 5 point calibration
 Last Update : Wed Sep 10 12:52:46 2025

AutoFind: Scans 1087, 1088, 1089; Background Corrected with Scan 1081

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	8	41	19.3	47000	PASS
75	95	30	66	47.0	114405	PASS
95	95	100	100	100.0	243307	PASS
96	95	5	9	6.6	16145	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	120	113.4	275904	PASS
175	174	4	9	7.7	21271	PASS
176	174	93	101	96.2	265301	PASS
177	176	5	9	6.8	17933	PASS

20_AIR_0909.M Tue Sep 30 13:49:37 2025

5B
AIR INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: Phoenix Environmental Labs

Client: FPMGROUP

Lab Code: Phoenix Case No.: _____

SAS No.: _____

SDG No.: GCU37304

Lab File ID: 0923_03.D

BFB Injection Date: 09/23/25

Instrument ID: CHEM24

BFB Injection Time: 11:50

GC Column: RTX-1

Heated Purge: (Y/N) Y

AutoFind: Scans 1059, 1060, 1061; Background Corrected with Scan 1053

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	8.0 - 40.0% of mass 95	21.5
75	30.0 - 66.0% of mass 95	49.7
95	Base Peak, 100% relative abundance	100.0
96	5.0 - 9.0% of mass 95	6.4
173	Less than 2.0% of mass 174	0.0 (0.0)1
174	50.0 - 120.0% of mass 95	69.0
175	4.0 - 9.0% of mass 174	7.3 (5.1)1
176	93.0 - 101.0% of mass 174	96.4 (66.5)1
177	5.0 - 9.0% of mass 176	6.4 (4.3)1

1-Value is % mass 95

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

	CLIENT ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED	
01	ICAL 0.01	0.01 (40cc -1); TO1515	0923_04.D	09/23/25	12:25	
02	ICAL 0.02	0.02 (80cc -1) ; TO1515	0923_05.D	09/23/25	13:03	
03	ICAL 0.035	0.035 (140cc -1) ; TO1515	0923_06.D	09/23/25	13:40	
04	ICAL 0.05	0.05 ppb ; TO1515	0923_07.D	09/23/25	14:18	
05	ICAL 0.1	0.10 ppb ; TO1515	0923_08.D	09/23/25	15:23	
06	ICAL 0.2	0.20 ppb ; TO1515	0923_09.D	09/23/25	15:59	
07	ICAL 0.5	0.50 ppb ; TO1515	0923_10.D	09/23/25	16:36	
08	ICAL 2.5	2.5 ppb ; TO1515	0923_11.D	09/23/25	17:17	
09	ICAL 5	5.0 ppb ; TO1515	0923_12.D	09/23/25	17:52	
10	ICAL 25	25 ppb ; TO1515	0923_13.D	09/23/25	18:32	
11	ICAL 40	40 ppb ; TO151	0923_14.D	09/23/25	19:11	
12	ICAL 1	1ppb ; TO1509 ; AIR36	0923_15.D	09/23/25	19:47	
13	ICAL 10	10ppb ; TO1509 ; AIR36	0923_16.D	09/23/25	20:22	
14	ICV_CHEM24_0923	10ppb lcs ; TO1515	0923_17.D	09/23/25	20:59	
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(*) Outside 24 hr clock

FORM V AIR

CLPBFB

Data Path : H:\AIR2025\CHEM24\09SEP\23\
Data File : 0923_03.D
Acq On : 23 Sep 2025 11:50 am
Operator : Keith
Sample : 0/0 ; ITSD Air37I
Misc :
ALS Vial : 16 Sample Multiplier: 1

Integration File signal 1: rteint.p
Integration File signal 2: rteint2.p

Method : H:\AIR2025\CHEM24\Methods\24_AIR_0923.M
Title : VOA Standards for 5 point calibration
Last Update : Wed Sep 24 13:50:00 2025

AutoFind: Scans 1059, 1060, 1061; Background Corrected with Scan 1053

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	8	40	21.5	64640	PASS
75	95	30	66	49.7	149272	PASS
95	95	100	100	100.0	300224	PASS
96	95	5	9	6.4	19286	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	120	69.0	207275	PASS
175	174	4	9	7.3	15185	PASS
176	174	93	101	96.4	199765	PASS
177	176	5	9	6.4	12772	PASS

24_AIR_0923.M Wed Sep 24 13:50:23 2025

5B
AIR INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: Phoenix Environmental Labs

Client: FPMGROUP

Lab Code: Phoenix Case No.: _____

SAS No.: _____

SDG No.: GCU37304

Lab File ID: 0930_02.D

BFB Injection Date: 09/30/25

Instrument ID: CHEM24

BFB Injection Time: 10:09

GC Column: RTX-1

Heated Purge: (Y/N) Y

AutoFind: Scans 1059, 1060, 1061; Background Corrected with Scan 1053

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	8.0 - 40.0% of mass 95	23.6
75	30.0 - 66.0% of mass 95	52.3
95	Base Peak, 100% relative abundance	100.0
96	5.0 - 9.0% of mass 95	6.5
173	Less than 2.0% of mass 174	0.0 (0.0)1
174	50.0 - 120.0% of mass 95	64.0
175	4.0 - 9.0% of mass 174	7.4 (4.7)1
176	93.0 - 101.0% of mass 174	96.8 (62.0)1
177	5.0 - 9.0% of mass 176	6.4 (4.0)1

1-Value is % mass 95

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

	CLIENT ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED	
01	CCAL 1	1ppb ccal; TO1516A	0930_02.D	09/30/25	10:09	
02	CU37307 LCS	CU37307 LCS	0930_04.D	09/30/25	12:13	
03	CU37307 BLANK	CU37307 BLANK	0930_05.D	09/30/25	12:46	
04	OUTDOOR AMBIENT	CU37307	0930_07.D	09/30/25	14:06	
05	OUTDOOR AMBIENT DUP	CU37307 DUP	0930_08.D	09/30/25	14:48	
06	CCCAL 1	1ppb ccal; TO1516A	0930_27.D	10/01/25	09:18	
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(*) Outside 24 hr clock

FORM V AIR

CLPBFB

Data Path : H:\AIR2025\CHEM24\09SEP\30\
Data File : 0930_02.D
Acq On : 30 Sep 2025 10:09 am
Operator : Keith
Sample : 1ppb ccal; T01516A
Misc :
ALS Vial : 2 Sample Multiplier: 1

Integration File signal 1: rteint.p
Integration File signal 2: rteint2.p

Method : H:\AIR2025\CHEM24\Methods\24_AIR_0923.M
Title : VOA Standards for 5 point calibration
Last Update : Wed Sep 24 13:58:02 2025

AutoFind: Scans 1059, 1060, 1061; Background Corrected with Scan 1053

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	8	40	23.6	59851	PASS
75	95	30	66	52.3	132768	PASS
95	95	100	100	100.0	253653	PASS
96	95	5	9	6.5	16401	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	120	64.0	162304	PASS
175	174	4	9	7.4	12026	PASS
176	174	93	101	96.8	157141	PASS
177	176	5	9	6.4	10053	PASS

24_AIR_0923.M Tue Sep 30 13:58:43 2025

5B
AIR INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: Phoenix Environmental Labs

Client: FPMGROUP

Lab Code: Phoenix Case No.: _____

SAS No.: _____

SDG No.: GCU37304

Lab File ID: 0920_02.D

BFB Injection Date: 09/20/25

Instrument ID: CHEM39

BFB Injection Time: 09:45

GC Column: RTX-1 ; #10157

Heated Purge: (Y/N) Y

AutoFind: Scans 1095, 1096, 1097; Background Corrected with Scan 1089

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	8.0 - 40.0% of mass 95	26.9
75	30.0 - 66.0% of mass 95	48.2
95	Base Peak, 100% relative abundance	100.0
96	5.0 - 9.0% of mass 95	6.6
173	Less than 2.0% of mass 174	0.6 (0.7)1
174	50.0 - 120.0% of mass 95	85.5
175	4.0 - 9.0% of mass 174	7.0 (6.0)1
176	93.0 - 101.0% of mass 174	96.6 (82.6)1
177	5.0 - 9.0% of mass 176	6.4 (5.3)1

1-Value is % mass 95

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

	CLIENT ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED	
01	ICAL 0.01	0.01ppbv	0920_03.D	09/20/25	10:22	
02	ICAL 0.02	0.02 ppbv	0920_04.D	09/20/25	10:59	
03	ICAL 0.035	0.035 ppbv	0920_05.D	09/20/25	11:37	
04	ICAL 0.05	0.05 ppbv	0920_06.D	09/20/25	12:17	
05	ICAL 0.1	0.10 ppbv	0920_07.D	09/20/25	12:53	
06	ICAL 0.2	0.20 ppbv	0920_08.D	09/20/25	13:30	
07	ICAL 0.5	0.5 ppbv	0920_09.D	09/20/25	14:08	
08	ICAL 2.5	2.5 ppbv	0920_10.D	09/20/25	14:47	
09	ICAL 5	5.0 ppbv	0920_11.D	09/20/25	15:24	
10	ICAL 25	25 ppbv	0920_12.D	09/20/25	16:03	
11	ICAL 40	40 ppbv	0920_13.D	09/20/25	16:44	
12	ICAL 1	1.0 ppbv	0920_14.D	09/20/25	17:22	
13	ICAL 10	10.0 ppbv	0920_15.D	09/20/25	17:59	
14	ICV_CHEM39_0920	10 ppbv LCs	0920_16.D	09/20/25	18:38	
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(*) Outside 24 hr clock

FORM V AIR

CLPBFB

Data Path : H:\AIR2025\CHEM39\09SEP\20\
Data File : 0920_02.D
Acq On : 20 Sep 2025 9:45 am
Operator :
Sample : 0/0
Misc :
ALS Vial : 13 Sample Multiplier: 1

Integration File signal 1: rteint.p
Integration File signal 2: rteint2.p

Method : H:\AIR2025\CHEM39\Methods\39_AIR_0920.M
Title : VOA Standards for 5 point calibration
Last Update : Tue Sep 23 14:33:03 2025

AutoFind: Scans 1095, 1096, 1097; Background Corrected with Scan 1089

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	8	40	26.9	80371	PASS
75	95	30	66	48.2	143931	PASS
95	95	100	100	100.0	298581	PASS
96	95	5	9	6.6	19613	PASS
173	174	0.00	2	0.7	1804	PASS
174	95	50	120	85.5	255189	PASS
175	174	4	9	7.0	17948	PASS
176	174	93	101	96.6	246507	PASS
177	176	5	9	6.4	15850	PASS

39_AIR_0920.M Tue Sep 23 14:33:28 2025

5B
AIR INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: Phoenix Environmental Labs Client: FPMGROUP

Lab Code: Phoenix Case No.: _____ SAS No.: _____ SDG No.: GCU37304

Lab File ID: 0930_05.D BFB Injection Date: 09/30/25

Instrument ID: CHEM39 BFB Injection Time: 11:23

GC Column: RTX-1 ; #10157 Heated Purge: (Y/N) Y

AutoFind: Scans 1094, 1095, 1096; Background Corrected with Scan 1089

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	8.0 - 40.0% of mass 95	30.0
75	30.0 - 66.0% of mass 95	52.1
95	Base Peak, 100% relative abundance	100.0
96	5.0 - 9.0% of mass 95	7.0
173	Less than 2.0% of mass 174	0.6 (0.7)1
174	50.0 - 120.0% of mass 95	89.0
175	4.0 - 9.0% of mass 174	6.8 (6.0)1
176	93.0 - 101.0% of mass 174	96.5 (85.9)1
177	5.0 - 9.0% of mass 176	6.6 (5.7)1

1-Value is % mass 95

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

	CLIENT ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED	
01	CCAL 1	1ppb cCal; TO1516E	0930_05.D	09/30/25	11:23	
02	CU37304 LCS	CU37304 LCS	0930_07.D	09/30/25	12:40	
03	CU37304 BLANK	CU37304 BLANK	0930_08.D	09/30/25	13:15	
04	CV-IA-1	CU37304	0930_12.D	09/30/25	15:58	
05	CV-IA-1 DUP	CU37304 DUP	0930_13.D	09/30/25	16:41	
06						
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(*) Outside 24 hr clock

FORM V AIR

CLPBFB

Data Path : H:\AIR2025\CHEM39\09SEP\30\
Data File : 0930_05.D
Acq On : 30 Sep 2025 11:23 am
Operator :
Sample : 1ppb cCal; T01516E
Misc :
ALS Vial : 1 Sample Multiplier: 1

Integration File signal 1: rteint.p
Integration File signal 2: rteint2.p

Method : H:\AIR2025\CHEM39\Methods\39_AIR_0920.M
Title : VOA Standards for 5 point calibration
Last Update : Tue Sep 23 14:45:11 2025

AutoFind: Scans 1094, 1095, 1096; Background Corrected with Scan 1089

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	8	40	30.0	63717	PASS
75	95	30	66	52.1	110627	PASS
95	95	100	100	100.0	212181	PASS
96	95	5	9	7.0	14808	PASS
173	174	0.00	2	0.7	1354	PASS
174	95	50	120	89.0	188936	PASS
175	174	4	9	6.8	12814	PASS
176	174	93	101	96.5	182357	PASS
177	176	5	9	6.6	12117	PASS

39_AIR_0920.M Tue Sep 30 14:01:44 2025

8A
AIR INTERNAL STANDARD AREA AND RT SUMMARY
Full Scan

Lab Name: Phoenix Environmental Labs Client: FPMGROUP
 Lab Code: Phoenix Case No.: _____ SAS No.: _____ SDG No.: GCU37304
 Lab Method / File Id: 20_AIR_0909.M / Average Date Analyzed: 09/09/25
 Instrument ID: CHEM20 Time Analyzed: 19:24
 GC Column: _____ ID: 0.18 (mm) Heated Purge:(Y/N) Y

	IS1 (BCM) Area Avg #	RT Avg #	IS2 (DFB) Area Avg #	RT Avg #	IS3 (CBZ) Area Avg #	RT Avg #			LAB FILE ID
REFERENCE STD	148339	6.95	528198	8.13	271053	10.62			Average
UPPER LIMIT	208416	7.28	742119	8.46	380830	10.95			Average
LOWER LIMIT	88262	6.62	314278	7.80	161277	10.29			Average
CLIENT ID									
01 ICAL 0.2	152750	6.95	534912	8.13	254365	10.62			0909 10.D
02 ICAL 0.5	156813	6.95	538537	8.13	254449	10.62			0909 11.D
03 ICAL 2.5	153185	6.95	542199	8.13	258443	10.62			0909 12.D
04 ICAL 5	143628	6.95	520839	8.13	255180	10.62			0909 13.D
05 ICAL 25	139319	6.95	502652	8.13	289894	10.62			0909 14.D
06 ICAL 40	135959	6.95	495266	8.13	316539	10.62			0909 15.D
07 ICAL 1	158804	6.95	558040	8.13	265879	10.62			0909 16.D
08 ICAL 10	146253	6.95	533141	8.13	273677	10.62			0909 17.D
09 ICV CHEM20_0909	146803	6.95	530616	8.13	270636	10.62			0909 18.D
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IS1 (BCM) = Bromochloromethane
 IS2 (DFB) = 1,4-Difluorobenzene
 IS3 (CBZ) = Chlorobenzene-d5

AREA UPPER LIMIT = +140% of internal standard area
 AREA LOWER LIMIT = - 60% of internal standard area
 RT UPPER LIMIT = +0.33 minutes of internal standard RT
 RT LOWER LIMIT = -0.33 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
 * Values outside of QC limits.

FORM VIII VOA

8A
AIR INTERNAL STANDARD AREA AND RT SUMMARY
Sim Scan

Lab Name: Phoenix Environmental Labs Client: FPMGROUP
 Lab Code: Phoenix Case No.: _____ SAS No.: _____ SDG No.: GCU37304
 Lab Method / File Id: 20_AIR_0909.M / Average Date Analyzed: 09/09/25
 Instrument ID: CHEM20 Time Analyzed: 19:24
 GC Column: _____ ID: 0.18 (mm) Heated Purge:(Y/N) Y

	IS1 (BCM) Area Avg #	RT Avg #	IS2 (DFB) Area Avg #	RT Avg #	IS3 (CBZ) Area Avg #	RT Avg #			LAB FILE ID
REFERENCE STD	172302	6.95	541914	8.13	259829	10.62			Average
UPPER LIMIT	242084	7.28	761389	8.46	365060	10.95			Average
LOWER LIMIT	102520	6.62	322439	7.80	154598	10.29			Average
CLIENT ID									
01 ICAL 0.01	176973	6.95	555393	8.13	262210	10.62			0909_05.D
02 ICAL 0.02	178204	6.95	553512	8.13	261364	10.62			0909_06.D
03 ICAL 0.035	177581	6.95	551151	8.13	262698	10.62			0909_07.D
04 ICAL 0.05	173948	6.95	539586	8.13	255340	10.62			0909_08.D
05 ICAL 0.1	172771	6.95	533746	8.13	254108	10.62			0909_09.D
06 ICAL 0.2	172104	6.95	534912	8.13	254771	10.62			0909_10.D
07 ICAL 0.5	173432	6.95	538537	8.13	254449	10.62			0909_11.D
08 ICAL 2.5	169925	6.95	542199	8.13	258443	10.62			0909_12.D
09 ICAL 5	161099	6.95	520839	8.13	255180	10.62			0909_13.D
10 ICAL 1	175848	6.95	558040	8.13	265879	10.62			0909_16.D
11 ICAL 10	163438	6.95	533141	8.13	273677	10.62			0909_17.D
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22									

IS1 (BCM) = Bromochloromethane
 IS2 (DFB) = 1,4-Difluorobenzene
 IS3 (CBZ) = Chlorobenzene-d5

AREA UPPER LIMIT = +140% of internal standard area
 AREA LOWER LIMIT = - 60% of internal standard area
 RT UPPER LIMIT = +0.33 minutes of internal standard RT
 RT LOWER LIMIT = -0.33 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
 * Values outside of QC limits.

FORM VIII VOA

8A
AIR INTERNAL STANDARD AREA AND RT SUMMARY
Full Scan

Lab Name: Phoenix Environmental Labs Client: FPMGROUP
 Lab Code: Phoenix Case No.: _____ SAS No.: _____ SDG No.: GCU37304
 Lab Method / File Id: 20_AIR_0909.M / 0929_02.D Date Analyzed: 09/29/25
 Instrument ID: CHEM20 Time Analyzed: 14:14
 GC Column: RTX-1 60M ID: 0.18 (mm) Heated Purge:(Y/N) Y

	IS1 (BCM) AREA #	RT #	IS2 (DFB) AREA #	RT #	IS3 (CBZ) AREA #	RT #			LAB FILE ID
REFERENCE STD	177667	6.95	605671	8.13	292240	10.62			0929_02.D
UPPER LIMIT	249622	7.28	850968	8.46	410597	10.95			0929_02.D
LOWER LIMIT	105712	6.62	360374	7.80	173883	10.29			0929_02.D
CLIENT ID									
01 CCAL 1	177667	6.95	605671	8.13	292240	10.62			0929_02.D
02 CU36389 LCS	169252	6.95	608740	8.13	307199	10.62			0929_04.D
03 CU36389 BLANK	183838	6.95	615073	8.13	295339	10.62			0929_05.D
04 CU36389 QC 0.5 X	180943	6.96	653231	8.13	309779	10.62			0929_07.D
05 CU36389 DUP 0.5 X	180492	6.95	648382	8.13	309991	10.62			0929_08.D
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IS1 (BCM) = Bromochloromethane
 IS2 (DFB) = 1,4-Difluorobenzene
 IS3 (CBZ) = Chlorobenzene-d5

AREA UPPER LIMIT = +140% of internal standard area
 AREA LOWER LIMIT = - 60% of internal standard area
 RT UPPER LIMIT = +0.33 minutes of internal standard RT
 RT LOWER LIMIT = -0.33 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
 * Values outside of QC limits.

FORM VIII VOA

8A
AIR INTERNAL STANDARD AREA AND RT SUMMARY
Sim Scan

Lab Name: Phoenix Environmental Labs Client: FPMGROUP
 Lab Code: Phoenix Case No.: _____ SAS No.: _____ SDG No.: GCU37304
 Lab Method / File Id: 20_AIR_0909.M / 0929_02.D Date Analyzed: 09/29/25
 Instrument ID: CHEM20 Time Analyzed: 14:14
 GC Column: RTX-1 60M ID: 0.18 (mm) Heated Purge:(Y/N) Y

	IS1 (BCM) AREA #	RT #	IS2 (DFB) AREA #	RT #	IS3 (CBZ) AREA #	RT #			LAB FILE ID
REFERENCE STD	198355	6.95	605613	8.13	292240	10.62			0929_02.D
UPPER LIMIT	278689	7.28	850886	8.46	410597	10.95			0929_02.D
LOWER LIMIT	118021	6.62	360340	7.80	173883	10.29			0929_02.D
CLIENT ID									
01 CCAL 1	198355	6.95	605613	8.13	292240	10.62			0929_02.D
02 CU36389 LCS	192754	6.95	608740	8.13	307490	10.62			0929_04.D
03 CU36389 BLANK	206202	6.95	615073	8.13	295339	10.62			0929_05.D
04 CU36389 QC 0.5 X	203885	6.96	653231	8.13	309779	10.62			0929_07.D
05 CU36389 DUP 0.5 X	203552	6.95	648385	8.13	309991	10.62			0929_08.D
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22									

IS1 (BCM) = Bromochloromethane
 IS2 (DFB) = 1,4-Difluorobenzene
 IS3 (CBZ) = Chlorobenzene-d5

AREA UPPER LIMIT = +140% of internal standard area
 AREA LOWER LIMIT = - 60% of internal standard area
 RT UPPER LIMIT = +0.33 minutes of internal standard RT
 RT LOWER LIMIT = -0.33 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
 * Values outside of QC limits.

FORM VIII VOA

8A
AIR INTERNAL STANDARD AREA AND RT SUMMARY
Full Scan

Lab Name: Phoenix Environmental Labs Client: FPMGROUP
 Lab Code: Phoenix Case No.: _____ SAS No.: _____ SDG No.: GCU37304
 Lab Method / File Id: 20_AIR_0909.M / 0930_01.D Date Analyzed: 09/30/25
 Instrument ID: CHEM20 Time Analyzed: 12:36
 GC Column: RTX-1 60M ID: 0.18 (mm) Heated Purge:(Y/N) Y

	IS1 (BCM) AREA #	RT #	IS2 (DFB) AREA #	RT #	IS3 (CBZ) AREA #	RT #			LAB FILE ID
REFERENCE STD	176731	6.95	600164	8.13	289386	10.62			0930_01.D
UPPER LIMIT	248307	7.28	843230	8.46	406587	10.95			0930_01.D
LOWER LIMIT	105155	6.62	357098	7.80	172185	10.29			0930_01.D
CLIENT ID									
01 CCAL 1 / CC1	176731	6.95	600164	8.13	289386	10.62			0930_01.D
02 CU37309 LCS	165211	6.95	599197	8.13	300125	10.62			0930_03.D
03 CU37309 BLANK	181580	6.95	601253	8.13	295055	10.62			0930_04.D
04 PT-IA-1	174826	6.96	589053	8.13	291062	10.62			0930_12.D
05 PT-IA-1 DUP	174505	6.95	592494	8.13	295197	10.62			0930_13.D
06 EFFLUENT	171846	6.95	579593	8.13	286866	10.62			0930_15.D
07 CV-IA-2	164445	6.95	559093	8.13	277429	10.62			0930_16.D
08 CV-IA-3	177538	6.95	598417	8.13	293144	10.62			0930_17.D
09 CCCAL 1	174388	6.95	581381	8.13	279728	10.62			0930_25.D
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IS1 (BCM) = Bromochloromethane
 IS2 (DFB) = 1,4-Difluorobenzene
 IS3 (CBZ) = Chlorobenzene-d5

AREA UPPER LIMIT = +140% of internal standard area
 AREA LOWER LIMIT = - 60% of internal standard area
 RT UPPER LIMIT = +0.33 minutes of internal standard RT
 RT LOWER LIMIT = -0.33 minutes of internal standard RT

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FORM VIII VOA

8A
AIR INTERNAL STANDARD AREA AND RT SUMMARY
Sim Scan

Lab Name: Phoenix Environmental Labs Client: FPMGROUP
 Lab Code: Phoenix Case No.: _____ SAS No.: _____ SDG No.: GCU37304
 Lab Method / File Id: 20_AIR_0909.M / 0930_01.D Date Analyzed: 09/30/25
 Instrument ID: CHEM20 Time Analyzed: 12:36
 GC Column: RTX-1 60M ID: 0.18 (mm) Heated Purge:(Y/N) Y

	IS1 (BCM) AREA #	RT #	IS2 (DFB) AREA #	RT #	IS3 (CBZ) AREA #	RT #			LAB FILE ID
REFERENCE STD	196095	6.95	600164	8.13	289386	10.62			0930_01.D
UPPER LIMIT	275513	7.28	843230	8.46	406587	10.95			0930_01.D
LOWER LIMIT	116677	6.62	357098	7.80	172185	10.29			0930_01.D
CLIENT ID									
01 CCAL 1 / CC1	196095	6.95	600164	8.13	289386	10.62			0930_01.D
02 CU37309 LCS	187974	6.95	599197	8.13	300125	10.62			0930_03.D
03 CU37309 BLANK	201904	6.95	601253	8.13	295055	10.62			0930_04.D
04 PT-IA-1	194354	6.95	589053	8.13	291062	10.62			0930_12.D
05 PT-IA-1 DUP	195075	6.95	592494	8.13	295197	10.62			0930_13.D
06 EFFLUENT	191434	6.95	579593	8.13	286866	10.62			0930_15.D
07 CV-IA-2	183047	6.95	559093	8.13	277429	10.62			0930_16.D
08 CV-IA-3	197547	6.95	598417	8.13	293144	10.62			0930_17.D
09 CCCAL 1	192531	6.95	581381	8.13	280068	10.62			0930_25.D
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IS1 (BCM) = Bromochloromethane
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AREA UPPER LIMIT = +140% of internal standard area
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 RT UPPER LIMIT = +0.33 minutes of internal standard RT
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FORM VIII VOA

8A
AIR INTERNAL STANDARD AREA AND RT SUMMARY
Full Scan

Lab Name: Phoenix Environmental Labs Client: FPMGROUP
 Lab Code: Phoenix Case No.: _____ SAS No.: _____ SDG No.: GCU37304
 Lab Method / File Id: 24_AIR_0923.M / Average Date Analyzed: 09/23/25
 Instrument ID: CHEM24 Time Analyzed: 19:47
 GC Column: _____ ID: 0.18 (mm) Heated Purge:(Y/N) Y

	IS1 (BCM) Area Avg #	RT Avg #	IS2 (DFB) Area Avg #	RT Avg #	IS3 (CBZ) Area Avg #	RT Avg #			LAB FILE ID
REFERENCE STD	194394	7.47	769272	8.63	470773	11.11			Average
UPPER LIMIT	273124	7.80	1080827	8.96	661435	11.44			Average
LOWER LIMIT	115665	7.14	457717	8.30	280110	10.78			Average
CLIENT ID									
01 ICAL 0.2	186698	7.47	731132	8.63	422910	11.11			0923_09.D
02 ICAL 0.5	193779	7.47	768981	8.63	440009	11.11			0923_10.D
03 ICAL 2.5	196627	7.47	781663	8.63	457480	11.11			0923_11.D
04 ICAL 5	197735	7.47	789856	8.63	466737	11.11			0923_12.D
05 ICAL 25	202471	7.47	796947	8.63	542107	11.11			0923_13.D
06 ICAL 40	206246	7.47	807391	8.63	576093	11.11			0923_14.D
07 ICAL 1	189578	7.47	757576	8.63	432346	11.11			0923_15.D
08 ICAL 10	182020	7.47	720630	8.63	428498	11.11			0923_16.D
09 ICV_CHEM24_0923	179683	7.47	710549	8.63	429720	11.11			0923_17.D
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IS1 (BCM) = Bromochloromethane
 IS2 (DFB) = 1,4-Difluorobenzene
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AREA UPPER LIMIT = +140% of internal standard area
 AREA LOWER LIMIT = - 60% of internal standard area
 RT UPPER LIMIT = +0.33 minutes of internal standard RT
 RT LOWER LIMIT = -0.33 minutes of internal standard RT

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FORM VIII VOA

8A
AIR INTERNAL STANDARD AREA AND RT SUMMARY
Sim Scan

Lab Name: Phoenix Environmental Labs Client: FPMGROUP
 Lab Code: Phoenix Case No.: _____ SAS No.: _____ SDG No.: GCU37304
 Lab Method / File Id: 24_AIR_0923.M / Average Date Analyzed: 09/23/25
 Instrument ID: CHEM24 Time Analyzed: 19:47
 GC Column: _____ ID: 0.18 (mm) Heated Purge:(Y/N) Y

	IS1 (BCM) Area Avg #	RT Avg #	IS2 (DFB) Area Avg #	RT Avg #	IS3 (CBZ) Area Avg #	RT Avg #			LAB FILE ID
REFERENCE STD	209137	7.47	759173	8.63	436458	11.11			Average
UPPER LIMIT	293838	7.80	1066637	8.96	613223	11.44			Average
LOWER LIMIT	124437	7.14	451708	8.30	259692	10.78			Average
CLIENT ID									
01 ICAL 0.01	211304	7.46	765394	8.63	434375	11.11			0923_04.D
02 ICAL 0.02	209394	7.47	768322	8.63	435320	11.11			0923_05.D
03 ICAL 0.035	210111	7.46	770792	8.63	436127	11.11			0923_06.D
04 ICAL 0.05	203518	7.46	739728	8.63	421741	11.11			0923_07.D
05 ICAL 0.1	207586	7.47	756824	8.63	425491	11.11			0923_08.D
06 ICAL 0.2	204409	7.46	731132	8.63	422910	11.11			0923_09.D
07 ICAL 0.5	212193	7.46	768981	8.63	440009	11.11			0923_10.D
08 ICAL 2.5	216833	7.47	781663	8.63	457480	11.11			0923_11.D
09 ICAL 5	216857	7.47	789856	8.63	466737	11.11			0923_12.D
10 ICAL 1	208471	7.47	757576	8.63	432346	11.11			0923_15.D
11 ICAL 10	199835	7.47	720630	8.63	428498	11.11			0923_16.D
12									
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IS1 (BCM) = Bromochloromethane
 IS2 (DFB) = 1,4-Difluorobenzene
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AREA UPPER LIMIT = +140% of internal standard area
 AREA LOWER LIMIT = - 60% of internal standard area
 RT UPPER LIMIT = +0.33 minutes of internal standard RT
 RT LOWER LIMIT = -0.33 minutes of internal standard RT

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FORM VIII VOA

8A
AIR INTERNAL STANDARD AREA AND RT SUMMARY
Full Scan

Lab Name: Phoenix Environmental Labs Client: FPMGROUP
 Lab Code: Phoenix Case No.: _____ SAS No.: _____ SDG No.: GCU37304
 Lab Method / File Id: 24_AIR_0923.M / 0930_02.D Date Analyzed: 09/30/25
 Instrument ID: CHEM24 Time Analyzed: 10:09
 GC Column: RTX-1 ID: 0.18 (mm) Heated Purge:(Y/N) Y

	IS1 (BCM) AREA #	RT #	IS2 (DFB) AREA #	RT #	IS3 (CBZ) AREA #	RT #			LAB FILE ID
REFERENCE STD	158596	7.47	639917	8.63	376333	11.11			0930_02.D
UPPER LIMIT	222827	7.80	899083	8.96	528748	11.44			0930_02.D
LOWER LIMIT	94365	7.14	380751	8.30	223918	10.78			0930_02.D
CLIENT ID									
01 CCAL 1	158596	7.47	639917	8.63	376333	11.11			0930_02.D
02 CU37307 LCS	172953	7.47	685577	8.63	432416	11.11			0930_04.D
03 CU37307 BLANK	158678	7.47	629204	8.63	374942	11.11			0930_05.D
04 OUTDOOR AMBIENT	149731	7.47	600607	8.63	350497	11.11			0930_07.D
05 OUTDOOR AMBIENT DUP	145058	7.47	580849	8.63	342189	11.11			0930_08.D
06 CCCAL 1	153270	7.47	610575	8.63	361278	11.11			0930_27.D
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IS1 (BCM) = Bromochloromethane
 IS2 (DFB) = 1,4-Difluorobenzene
 IS3 (CBZ) = Chlorobenzene-d5

AREA UPPER LIMIT = +140% of internal standard area
 AREA LOWER LIMIT = - 60% of internal standard area
 RT UPPER LIMIT = +0.33 minutes of internal standard RT
 RT LOWER LIMIT = -0.33 minutes of internal standard RT

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 * Values outside of QC limits.

FORM VIII VOA

8A
AIR INTERNAL STANDARD AREA AND RT SUMMARY
Sim Scan

Lab Name: Phoenix Environmental Labs Client: FPMGROUP
 Lab Code: Phoenix Case No.: _____ SAS No.: _____ SDG No.: GCU37304
 Lab Method / File Id: 24_AIR_0923.M / 0930_02.D Date Analyzed: 09/30/25
 Instrument ID: CHEM24 Time Analyzed: 10:09
 GC Column: RTX-1 ID: 0.18 (mm) Heated Purge:(Y/N) Y

	IS1 (BCM) AREA #	RT #	IS2 (DFB) AREA #	RT #	IS3 (CBZ) AREA #	RT #			LAB FILE ID
REFERENCE STD	178461	7.47	639917	8.63	376333	11.11			0930_02.D
UPPER LIMIT	250738	7.80	899083	8.96	528748	11.44			0930_02.D
LOWER LIMIT	106184	7.14	380751	8.30	223918	10.78			0930_02.D
CLIENT ID									
01 CCAL 1	178461	7.47	639917	8.63	376333	11.11			0930_02.D
02 CU37307 LCS	193449	7.47	685577	8.63	432416	11.11			0930_04.D
03 CU37307 BLANK	179127	7.47	629204	8.63	374942	11.11			0930_05.D
04 OUTDOOR AMBIENT	168875	7.47	600607	8.63	350497	11.11			0930_07.D
05 OUTDOOR AMBIENT DUP	165533	7.47	580849	8.63	342189	11.11			0930_08.D
06 CCCAL 1	171498	7.47	610575	8.63	361278	11.11			0930_27.D
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IS1 (BCM) = Bromochloromethane
 IS2 (DFB) = 1,4-Difluorobenzene
 IS3 (CBZ) = Chlorobenzene-d5

AREA UPPER LIMIT = +140% of internal standard area
 AREA LOWER LIMIT = - 60% of internal standard area
 RT UPPER LIMIT = +0.33 minutes of internal standard RT
 RT LOWER LIMIT = -0.33 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
 * Values outside of QC limits.

FORM VIII VOA

8A
AIR INTERNAL STANDARD AREA AND RT SUMMARY
Full Scan

Lab Name: Phoenix Environmental Labs Client: FPMGROUP
 Lab Code: Phoenix Case No.: _____ SAS No.: _____ SDG No.: GCU37304
 Lab Method / File Id: 39_AIR_0920.M / Average Date Analyzed: 09/20/25
 Instrument ID: CHEM39 Time Analyzed: 17:22
 GC Column: _____ ID: 0.18 (mm) Heated Purge:(Y/N) Y

	IS1 (BCM) Area Avg #	RT Avg #	IS2 (DFB) Area Avg #	RT Avg #	IS3 (CBZ) Area Avg #	RT Avg #			LAB FILE ID
REFERENCE STD	193715	7.33	750797	8.51	397025	11.00			Average
UPPER LIMIT	272169	7.66	1054870	8.84	557820	11.33			Average
LOWER LIMIT	115260	7.00	446724	8.18	236230	10.67			Average
CLIENT ID									
01 ICAL 0.2	199887	7.33	779045	8.51	392862	11.00			0920_08.D
02 ICAL 0.5	196346	7.32	763069	8.51	387419	11.00			0920_09.D
03 ICAL 2.5	198150	7.32	763028	8.51	391231	11.00			0920_10.D
04 ICAL 5	201452	7.33	768320	8.51	396706	11.00			0920_11.D
05 ICAL 25	194841	7.32	754479	8.51	425696	11.00			0920_12.D
06 ICAL 40	187568	7.33	734837	8.51	437997	11.01			0920_13.D
07 ICAL 1	184957	7.33	716648	8.51	362360	11.00			0920_14.D
08 ICAL 10	186515	7.33	726951	8.51	381929	11.00			0920_15.D
09 ICV_CHEM39_0920	184686	7.32	703264	8.51	371328	11.00			0920_16.D
10									
11									
12									
13									
14									
15									
16									
17									
18									
19									
20									
21									
22									

IS1 (BCM) = Bromochloromethane
 IS2 (DFB) = 1,4-Difluorobenzene
 IS3 (CBZ) = Chlorobenzene-d5

AREA UPPER LIMIT = +140% of internal standard area
 AREA LOWER LIMIT = - 60% of internal standard area
 RT UPPER LIMIT = +0.33 minutes of internal standard RT
 RT LOWER LIMIT = -0.33 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
 * Values outside of QC limits.

FORM VIII VOA

8A
AIR INTERNAL STANDARD AREA AND RT SUMMARY
Sim Scan

Lab Name: Phoenix Environmental Labs Client: FPMGROUP
 Lab Code: Phoenix Case No.: _____ SAS No.: _____ SDG No.: GCU37304
 Lab Method / File Id: 39_AIR_0920.M / Average Date Analyzed: 09/20/25
 Instrument ID: CHEM39 Time Analyzed: 17:22
 GC Column: _____ ID: 0.18 (mm) Heated Purge:(Y/N) Y

	IS1 (BCM) Area Avg #	RT Avg #	IS2 (DFB) Area Avg #	RT Avg #	IS3 (CBZ) Area Avg #	RT Avg #			LAB FILE ID
REFERENCE STD	185669	7.33	760980	8.51	388554	11.00			Average
UPPER LIMIT	260865	7.66	1069178	8.84	545919	11.33			Average
LOWER LIMIT	110473	7.00	452783	8.18	231190	10.67			Average
CLIENT ID									
01 ICAL 0.01	187259	7.33	770878	8.52	395688	11.01			0920_03.D
02 ICAL 0.02	189113	7.33	779942	8.52	395185	11.01			0920_04.D
03 ICAL 0.035	187091	7.33	762645	8.51	390100	11.01			0920_05.D
04 ICAL 0.05	188612	7.33	775341	8.51	395463	11.00			0920_06.D
05 ICAL 0.1	186101	7.33	764918	8.51	385156	11.00			0920_07.D
06 ICAL 0.2	189617	7.34	779045	8.51	392862	11.00			0920_08.D
07 ICAL 0.5	187258	7.33	763069	8.51	387419	11.00			0920_09.D
08 ICAL 2.5	187096	7.33	763028	8.51	391231	11.00			0920_10.D
09 ICAL 5	186740	7.33	768320	8.51	396706	11.00			0920_11.D
10 ICAL 1	176178	7.33	716648	8.51	362360	11.00			0920_14.D
11 ICAL 10	177292	7.33	726951	8.51	381929	11.00			0920_15.D
12									
13									
14									
15									
16									
17									
18									
19									
20									
21									
22									

IS1 (BCM) = Bromochloromethane
 IS2 (DFB) = 1,4-Difluorobenzene
 IS3 (CBZ) = Chlorobenzene-d5

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 AREA LOWER LIMIT = - 60% of internal standard area
 RT UPPER LIMIT = +0.33 minutes of internal standard RT
 RT LOWER LIMIT = -0.33 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
 * Values outside of QC limits.

FORM VIII VOA

8A
AIR INTERNAL STANDARD AREA AND RT SUMMARY
Full Scan

Lab Name: Phoenix Environmental Labs Client: FPMGROUP
 Lab Code: Phoenix Case No.: _____ SAS No.: _____ SDG No.: GCU37304
 Lab Method / File Id: 39_AIR_0920.M / 0930_05.D Date Analyzed: 09/30/25
 Instrument ID: CHEM39 Time Analyzed: 11:23
 GC Column: RTX-1 ; #101 ID: 0.18 (mm) Heated Purge:(Y/N) Y

	IS1 (BCM) AREA #	RT #	IS2 (DFB) AREA #	RT #	IS3 (CBZ) AREA #	RT #			LAB FILE ID
REFERENCE STD	191406	7.33	721882	8.51	325547	11.01			0930_05.D
UPPER LIMIT	268925	7.66	1014244	8.84	457394	11.34			0930_05.D
LOWER LIMIT	113887	7.00	429520	8.18	193700	10.68			0930_05.D
CLIENT ID									
01 CCAL 1	191406	7.33	721882	8.51	325547	11.01			0930_05.D
02 CU37304 LCS	188072	7.33	709159	8.51	343225	11.01			0930_07.D
03 CU37304 BLANK	191514	7.33	717654	8.51	316913	11.01			0930_08.D
04 CV-IA-1	188615	7.32	713846	8.51	330279	11.00			0930_12.D
05 CV-IA-1 DUP	186977	7.32	704191	8.51	329234	11.00			0930_13.D
06									
07									
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20									
21									
22									

IS1 (BCM) = Bromochloromethane
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 AREA LOWER LIMIT = - 60% of internal standard area
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 RT LOWER LIMIT = -0.33 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
 * Values outside of QC limits.

FORM VIII VOA

8A
AIR INTERNAL STANDARD AREA AND RT SUMMARY
Sim Scan

Lab Name: Phoenix Environmental Labs Client: FPMGROUP
 Lab Code: Phoenix Case No.: _____ SAS No.: _____ SDG No.: GCU37304
 Lab Method / File Id: 39_AIR_0920.M / 0930_05.D Date Analyzed: 09/30/25
 Instrument ID: CHEM39 Time Analyzed: 11:23
 GC Column: RTX-1 ; #101 ID: 0.18 (mm) Heated Purge:(Y/N) Y

	IS1 (BCM) AREA #	RT #	IS2 (DFB) AREA #	RT #	IS3 (CBZ) AREA #	RT #			LAB FILE ID
REFERENCE STD	183647	7.33	721882	8.51	325547	11.01			0930_05.D
UPPER LIMIT	258024	7.66	1014244	8.84	457394	11.34			0930_05.D
LOWER LIMIT	109270	7.00	429520	8.18	193700	10.68			0930_05.D
CLIENT ID									
01 CCAL 1	183647	7.33	721882	8.51	325547	11.01			0930_05.D
02 CU37304 LCS	182146	7.34	709159	8.51	343225	11.01			0930_07.D
03 CU37304 BLANK	183026	7.34	717654	8.51	316913	11.01			0930_08.D
04 CV-IA-1	183818	7.33	713846	8.51	330279	11.00			0930_12.D
05 CV-IA-1 DUP	181637	7.33	704191	8.51	329234	11.00			0930_13.D
06									
07									
08									
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17									
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19									
20									
21									
22									

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 IS3 (CBZ) = Chlorobenzene-d5

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 AREA LOWER LIMIT = - 60% of internal standard area
 RT UPPER LIMIT = +0.33 minutes of internal standard RT
 RT LOWER LIMIT = -0.33 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
 * Values outside of QC limits.

FORM VIII VOA

1
AIR ANALYSIS DATA SHEET

CLIENT ID

CV-IA-1

Client: FPMGROUP Lab: Phoenix Env. Labs

SDG No.: GCU37304 Lab Sample ID: CU37304

Canister: 13652 Lab File ID: 0930_12.D

Instrument: CHEM39 Column: TX-1 ; #10157 Date Received: 09/29/25

Purge Volume 200 (cc) Date Analyzed: 09/30/25

Matrix: AIR Dilution Factor: 1

CONCENTRATION UNITS: (ppbv or ug/m3) ppbv

CAS NO.	COMPOUND	CONC.	Q	MDL	PQL	R
115-07-1	Propylene	0.581	U	0.581	0.581	r
75-71-8	Dichlorodifluoromethane	0.509		0.202	0.202	r
74-87-3	Chloromethane	0.669		0.485	0.485	r
106-99-0	1,3-Butadiene	0.452	U	0.452	0.452	r
75-00-3	Chloroethane	0.379	U	0.379	0.379	r
64-17-5	Ethanol	1170	ES	0.531	0.531	r
67-64-1	Acetone	33.0	S	0.421	0.421	r
75-69-4	Trichlorofluoromethane	0.227		0.178	0.178	r
67-63-0	Isopropylalcohol	640	ES	0.407	0.407	r
107-13-1	Acrylonitrile	0.461	U	0.461	0.461	r
75-09-2	Methylene Chloride	0.863	U	0.863	0.863	r
75-15-0	Carbon Disulfide	0.321	U	0.321	0.321	r
1634-04-4	Methyl tert-butyl ether(MTBE)	0.278	U	0.278	0.278	r
78-93-3	Methyl Ethyl Ketone	0.651		0.339	0.339	r
110-54-3	Hexane	0.284	U	0.284	0.284	r
141-78-6	Ethyl acetate	1.33		0.278	0.278	r
109-99-9	Tetrahydrofuran	0.339	U	0.339	0.339	r
110-82-7	Cyclohexane	0.291	U	0.291	0.291	r
540-84-1	2,2,4-trimethylpentane	0.215	U	0.215	0.215	r
142-82-5	Heptane	0.244	U	0.244	0.244	r
108-10-1	4-Methyl-2-pentanone(MIBK)	0.244	U	0.244	0.244	r
10061-02-6	trans-1,3-Dichloropropene	0.221	U	0.221	0.221	r
108-88-3	Toluene	0.987		0.266	0.266	r
591-78-6	2-Hexanone(MBK)	0.244	U	0.244	0.244	r
630-20-6	1,1,1,2-Tetrachloroethane	0.146	U	0.146	0.146	r
108-90-7	Chlorobenzene	0.217	U	0.217	0.217	r
100-41-4	Ethylbenzene	0.230	U	0.230	0.230	r
100-42-5	Styrene	0.235	U	0.235	0.235	r
95-47-6	o-Xylene	0.230	U	0.230	0.230	r
98-82-8	Isopropylbenzene	0.204	U	0.204	0.204	r
622-96-8	4-Ethyltoluene	0.204	U	0.204	0.204	r
108-67-8	1,3,5-Trimethylbenzene	0.204	U	0.204	0.204	r
95-63-6	1,2,4-Trimethylbenzene	0.204	U	0.204	0.204	r
91-20-3	Naphthalene	0.200	U	0.200	0.200	r
76-14-2	1,2-Dichlorotetrafluoroethane(sim)	0.143	U	0.143	0.143	r
75-01-4	Vinyl Chloride(sim)	0.078	U	0.078	0.078	r

FORM I AIR

r=Result Reported U=Not Detected D=Reported Dilution E/J=Estimated Value X=Not Used S=Lab Solvent

1
AIR ANALYSIS DATA SHEET

CLIENT ID

CV-IA-1

Client: FPMGROUP Lab: Phoenix Env. Labs

SDG No.: GCU37304 Lab Sample ID: CU37304

Canister: 13652 Lab File ID: 0930_12.D

Instrument: CHEM39 Column: TX-1 ; #10157 Date Received: 09/29/25

Purge Volume 200 (cc) Date Analyzed: 09/30/25

Matrix: AIR Dilution Factor: 1

CONCENTRATION UNITS: (ppbv or ug/m3) ppbv

CAS NO.	COMPOUND	CONC.	Q	MDL	PQL	R
74-83-9	Bromomethane(sim)	0.258	U	0.258	0.258	r
107-06-2	1,2-Dichloroethane(sim)	0.247	U	0.247	0.247	r
71-55-6	1,1,1-Trichloroethane(sim)	0.183	U	0.183	0.183	r
71-43-2	Benzene(sim)	0.313	U	0.313	0.313	r
56-23-5	Carbon Tetrachloride(sim)	0.075		0.032	0.032	r
75-35-4	1,1-Dichloroethene(sim)	0.051	U	0.051	0.051	r
76-13-1	Trichlorotrifluoroethane(sim)	0.131	U	0.131	0.131	r
156-60-5	Trans-1,2-Dichloroethene(sim)	0.252	U	0.252	0.252	r
75-34-3	1,1-Dichloroethane(sim)	0.247	U	0.247	0.247	r
156-59-2	Cis-1,2-Dichloroethene(sim)	0.051	U	0.051	0.051	r
67-66-3	Chloroform(sim)	0.205	U	0.205	0.205	r
78-87-5	1,2-dichloropropane(sim)	0.217	U	0.217	0.217	r
75-27-4	Bromodichloromethane(sim)	0.149	U	0.149	0.149	r
79-01-6	Trichloroethene(sim)	0.037	U	0.037	0.037	r
123-91-1	1,4-Dioxane(sim)	0.278	U	0.278	0.278	r
10061-01-5	cis-1,3-Dichloropropene(sim)	0.221	U	0.221	0.221	r
79-00-5	1,1,2-Trichloroethane(sim)	0.183	U	0.183	0.183	r
124-48-1	Dibromochloromethane(sim)	0.118	U	0.118	0.118	r
106-93-4	1,2-Dibromoethane(EDB)(sim)	0.130	U	0.130	0.130	r
127-18-4	Tetrachloroethene(sim)	0.062		0.037	0.037	r
75-25-2	Bromoform(sim)	0.097	U	0.097	0.097	r
179601-23-1	m,p-Xylene(sim)	0.265		0.230	0.230	r
79-34-5	1,1,2,2-Tetrachloroethane(sim)	0.146	U	0.146	0.146	r
100-44-7	Benzyl chloride(sim)	0.193	U	0.193	0.193	r
541-73-1	1,3-Dichlorobenzene(sim)	0.166	U	0.166	0.166	r
106-46-7	1,4-Dichlorobenzene(sim)	0.166	U	0.166	0.166	r
135-98-8	sec-Butylbenzene(sim)	0.182	U	0.182	0.182	r
99-87-6	4-Isopropyltoluene(sim)	0.182	U	0.182	0.182	r
95-50-1	1,2-Dichlorobenzene(sim)	0.166	U	0.166	0.166	r
104-51-8	n-Butylbenzene(sim)	0.182	U	0.182	0.182	r
120-82-1	1,2,4-Trichlorobenzene(sim)	0.135	U	0.135	0.135	r
87-68-3	Hexachlorobutadiene(sim)	0.094	U	0.094	0.094	r

FORM I AIR

r=Result Reported U=Not Detected D=Reported Dilution E/J=Estimated Value X=Not Used S=Lab Solvent

Data Path : H:\AIR2025\CHEM39\09SEP\30\
 Data File : 0930_12.D
 Acq On : 30 Sep 2025 3:58 pm
 Operator :
 Client ID : CV-IA-1
 Lab ID : CU37304
 ALS Vial : 4 Sample Multiplier: 1

Quant Time: Oct 01 04:48:22 2025
 Quant Method : H:\AIR2025\CHEM39\Methods\39_AIR_0920.M
 Quant Title : VOA Standards for 5 point calibration
 QLast Update : Tue Sep 23 14:45:11 2025
 Response via : Initial Calibration

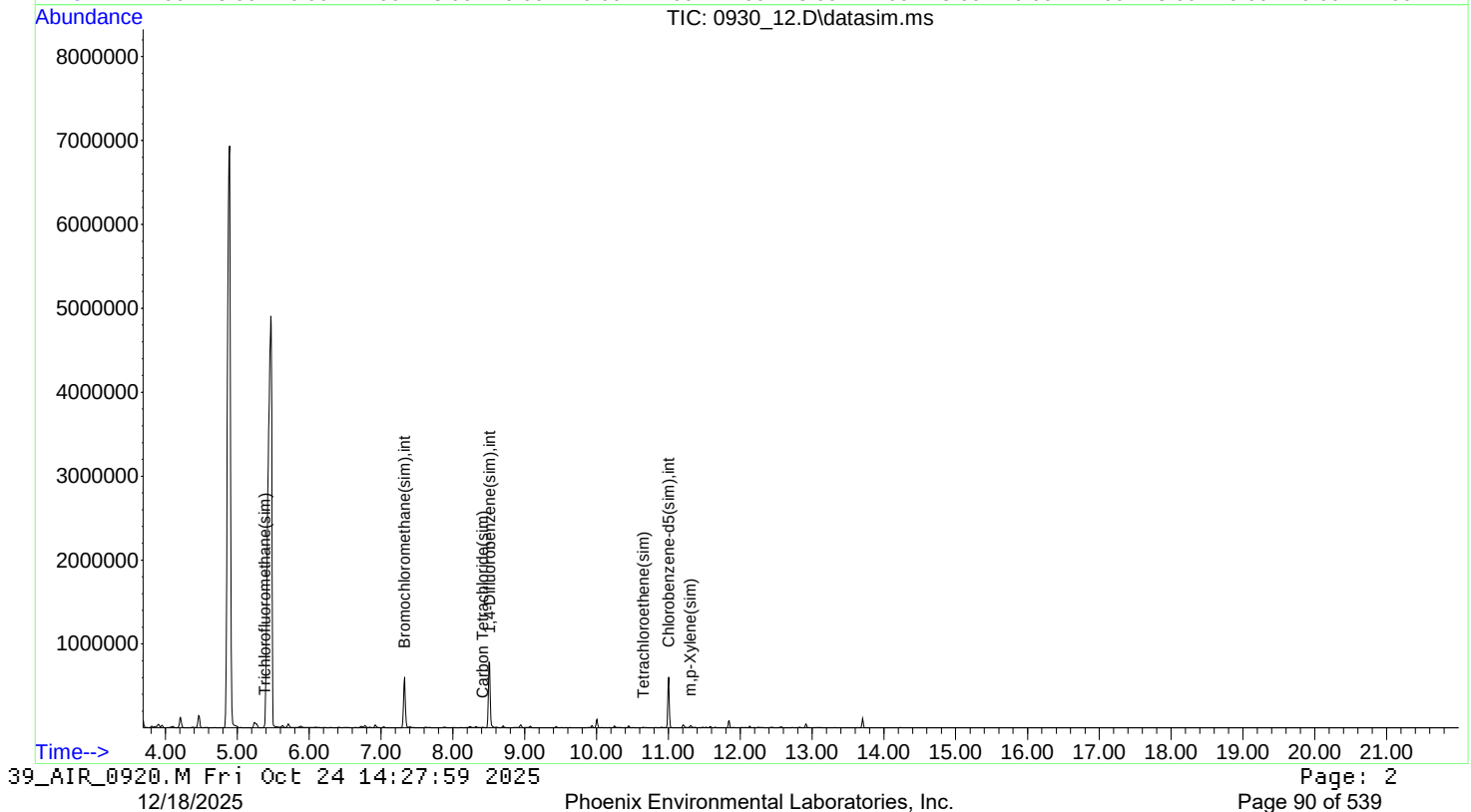
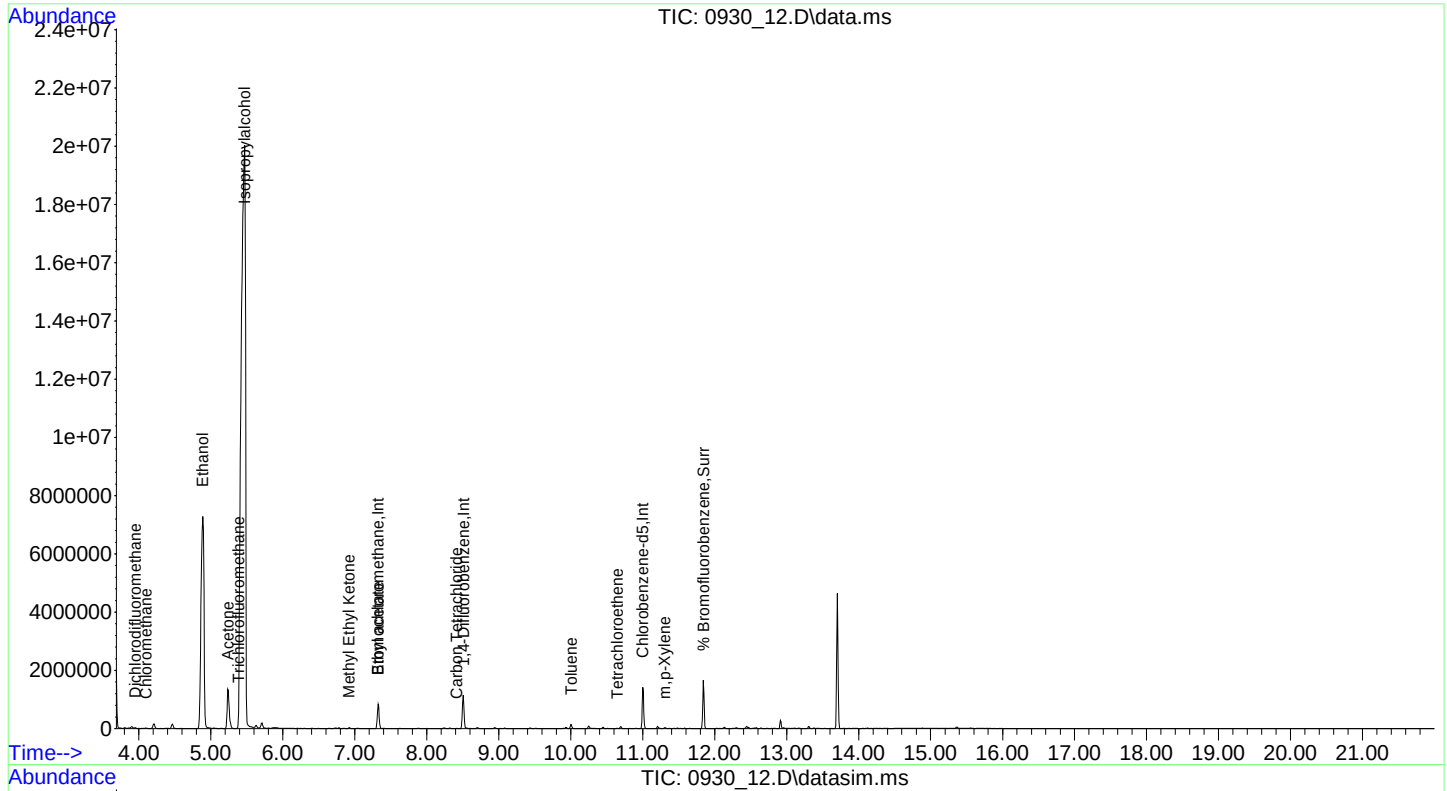
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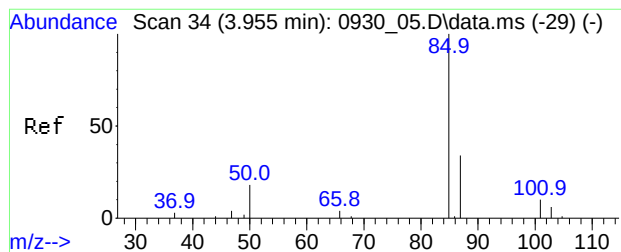
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1) Bromochloromethane	7.324	130	188615	10.000	ng	0.00
36) 1,4-Difluorobenzene	8.507	114	713846	10.000	ng	0.00
53) Chlorobenzene-d5	11.001	82	330279	10.000	ng	0.00
80) Bromochloromethane(sim)	7.327	130	183818	10.000	ng	# 0.00
95) 1,4-Difluorobenzene(sim)	8.507	114	713846	10.000	ng	0.00
105) Chlorobenzene-d5(sim)	11.001	82	330279	10.000	ng	0.00
System Monitoring Compounds						
62) % Bromofluorobenzene	11.842	95	406716	9.484	ppbv	0.00
Spiked Amount	10.000	Range 70 - 130	Recovery	=	94.80%	
Target Compounds						
						Qvalue
3) Dichlorodifluoromethane	3.948	85	24112	0.510	ppbv	97
4) Chloromethane	4.102	50	16877	0.669	ppbv	93
11) Ethanol	4.889	45	10664620	1165.115	ppbv#	92
12) Acetone	5.237	43	1704888	33.028	ppbv	97
13) Trichlorofluoromethane	5.384	101	12351	0.227	ppbv	100
14) Isopropylalcohol	5.470	45	35119497	640.402	ppbv#	51
25) Methyl Ethyl Ketone	6.918	43	44489	0.651	ppbv#	92
29) Ethyl acetate	7.324	61	11504	1.326	ppbv	90
34) Carbon Tetrachloride	8.412	117	3709	0.076	ppbv	92
48) Toluene	10.009	91	75375	0.987	ppbv	99
52) Tetrachloroethene	10.649	166	2172	0.058	ppbv	93
57) m,p-Xylene	11.304	91	19767	0.289	ppbv	98
84] Trichlorofluoromethane...	5.381	101	12679	0.222	ppbv#	100
88] Carbon Tetrachloride(sim)	8.415	117	3630	0.075	ppbv	98
104] Tetrachloroethene(sim)	10.652	166	2281	0.062	ppbv	95
107] m,p-Xylene(sim)	11.304	91	19767	0.265	ppbv	99

(#)out of range (m)manual integration reviewed by analyst (+)signals summed

Data Path : H:\AIR2025\CHEM39\09SEP\30\
Data File : 0930_12.D
Acq On : 30 Sep 2025 3:58 pm
Operator :
Client ID : CV-IA-1
Lab ID : CU37304
ALS Vial : 4 Sample Multiplier: 1

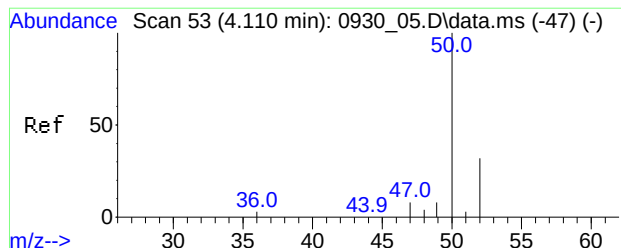
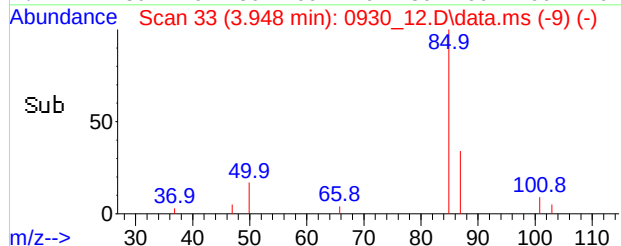
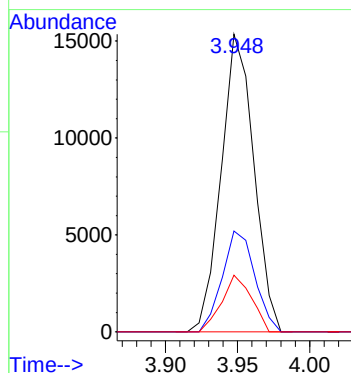
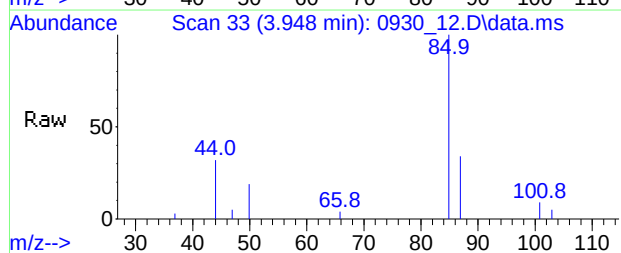
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Quant Method : H:\AIR2025\CHEM39\Methods\39_AIR_0920.M
Quant Title : VOA Standards for 5 point calibration
QLast Update : Tue Sep 23 14:45:11 2025
Response via : Initial Calibration





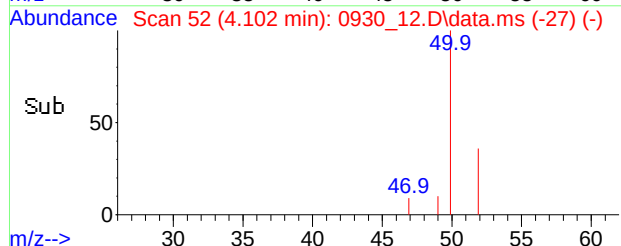
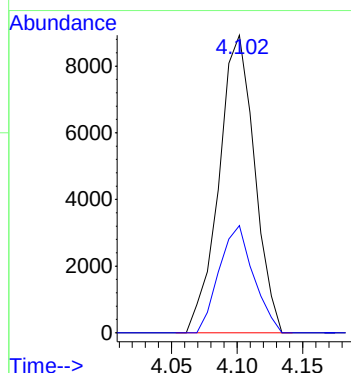
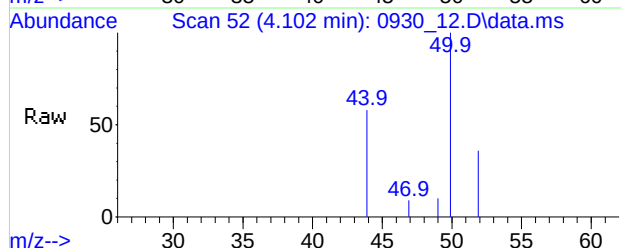
#3
Dichlorodifluoromethane
Conc: 8\$ 0.510 ppbv
RT: 3.948 min Scan# 33
Delta R.T. -0.008 min
Lab File: 0930_12.D
Acq: 30 Sep 2025 3:58 pm

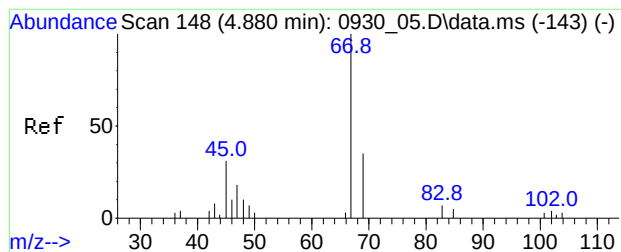
Tgt Ion: 85 Resp: 24112
Ion Ratio Lower Upper
85 100
87 33.8 25.4 38.2
50 17.3 13.1 19.7



#4
Chloromethane
Conc: 8\$ 0.669 ppbv
RT: 4.102 min Scan# 52
Delta R.T. -0.000 min
Lab File: 0930_12.D
Acq: 30 Sep 2025 3:58 pm

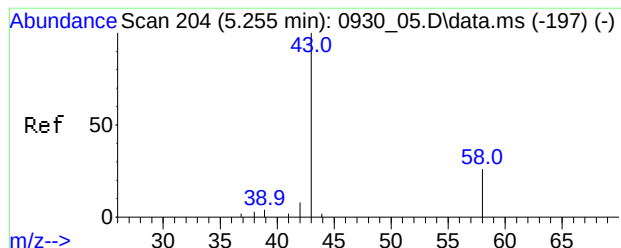
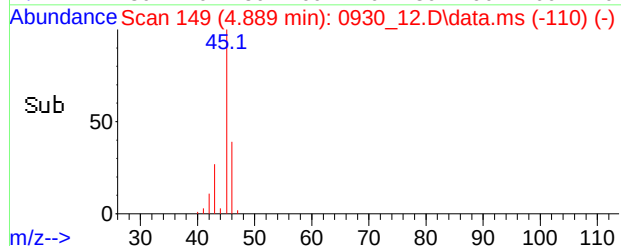
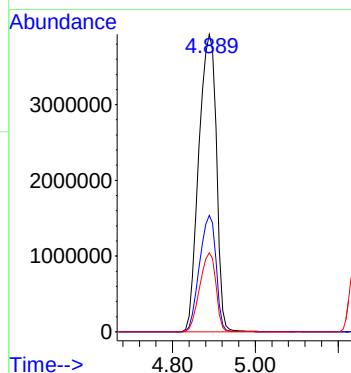
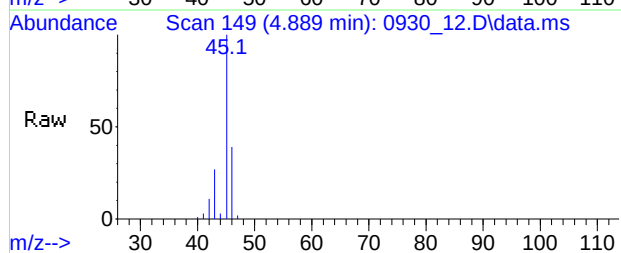
Tgt Ion: 50 Resp: 16877
Ion Ratio Lower Upper
50 100
52 34.7 11.0 51.0





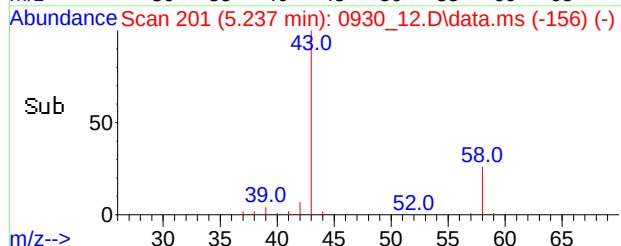
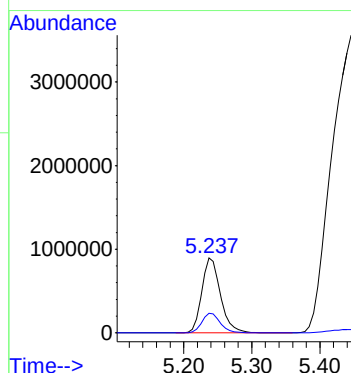
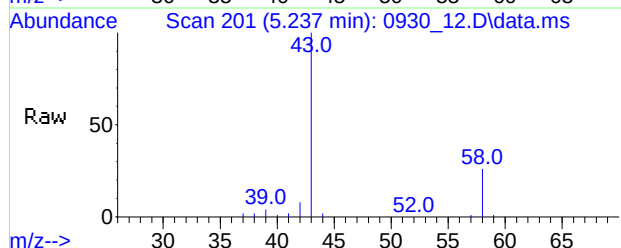
#11
Ethanol
Conc: 8\$ 1165.115 ppbv
RT: 4.889 min Scan# 149
Delta R.T. 0.017 min
Lab File: 0930_12.D
Acq: 30 Sep 2025 3:58 pm

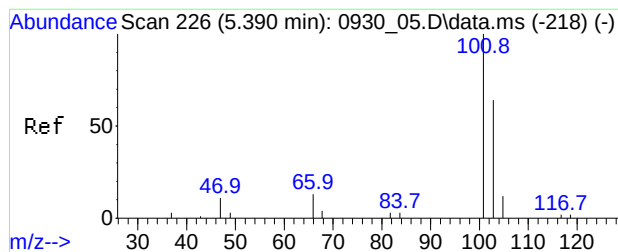
Tgt Ion: 45 Resp: 10664620
Ion Ratio Lower Upper
45 100
46 38.4 25.4 38.0#
43 24.6 21.2 31.8



#12
Acetone
Conc: 8\$ 33.028 ppbv
RT: 5.237 min Scan# 201
Delta R.T. -0.006 min
Lab File: 0930_12.D
Acq: 30 Sep 2025 3:58 pm

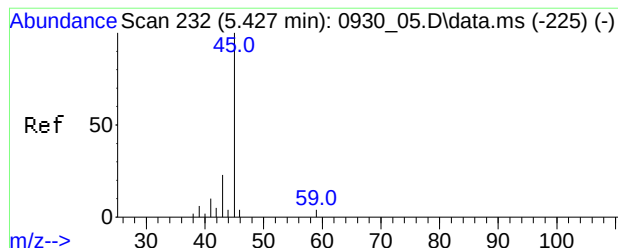
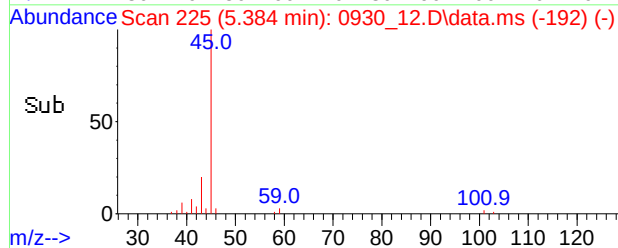
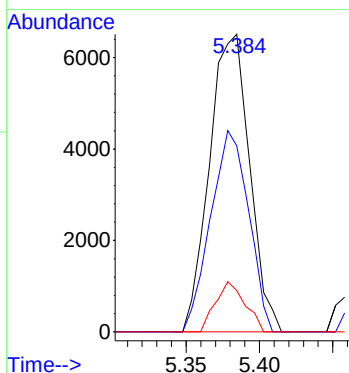
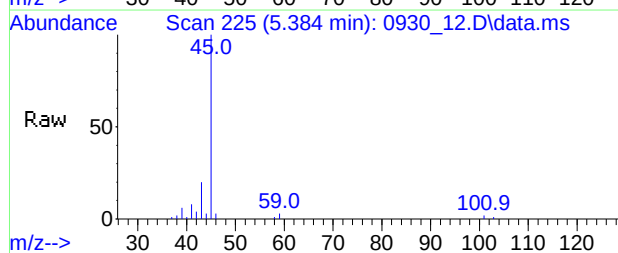
Tgt Ion: 43 Resp: 1704888
Ion Ratio Lower Upper
43 100
58 25.5 21.8 32.6





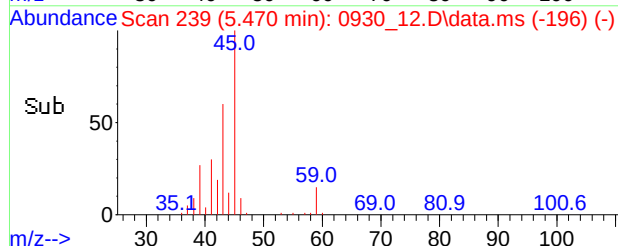
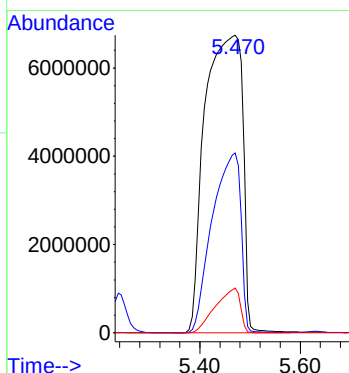
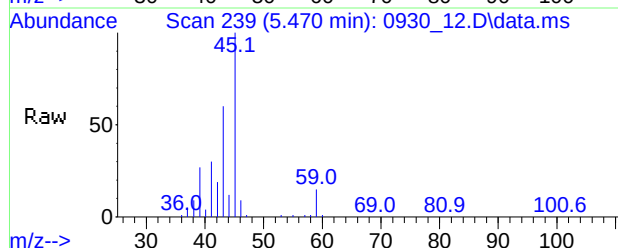
#13
Trichlorofluoromethane
Conc: 8\$ 0.227 ppbv
RT: 5.384 min Scan# 225
Delta R.T. 0.000 min
Lab File: 0930_12.D
Acq: 30 Sep 2025 3:58 pm

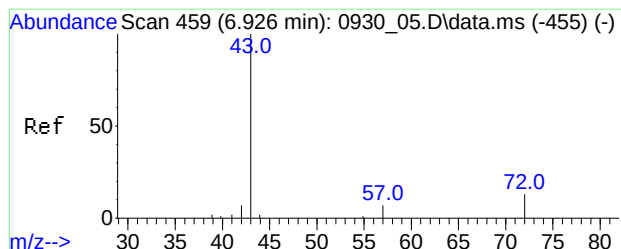
Tgt Ion:	101	Resp:	12351
Ion	Ratio	Lower	Upper
101	100		
103	64.1	51.3	76.9
66	12.4	10.7	16.1



#14
Isopropylalcohol
Conc: 8\$ 640.402 ppbv
RT: 5.470 min Scan# 239
Delta R.T. 0.061 min
Lab File: 0930_12.D
Acq: 30 Sep 2025 3:58 pm

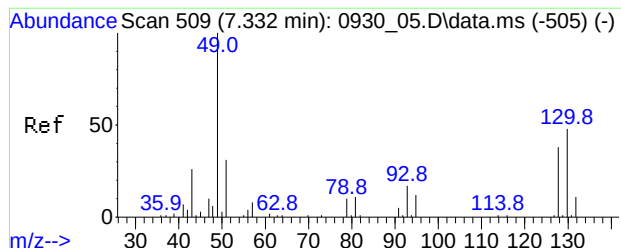
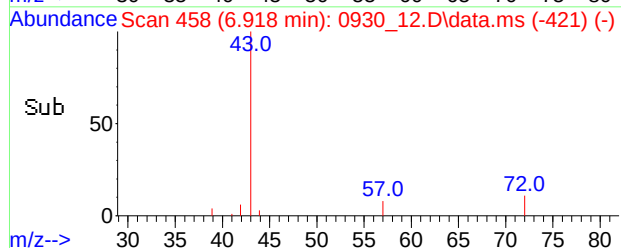
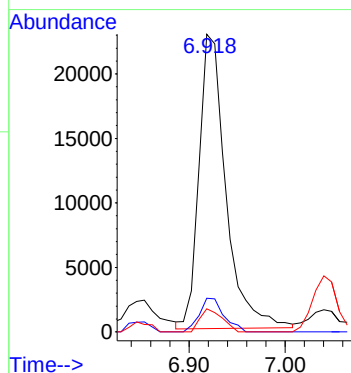
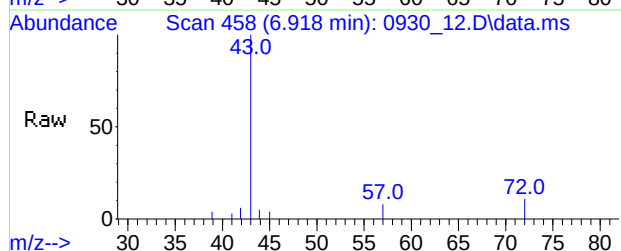
Tgt Ion:	45	Resp:	35119497
Ion	Ratio	Lower	Upper
45	100		
43	46.0	16.8	25.2#
59	10.0	2.8	4.2#





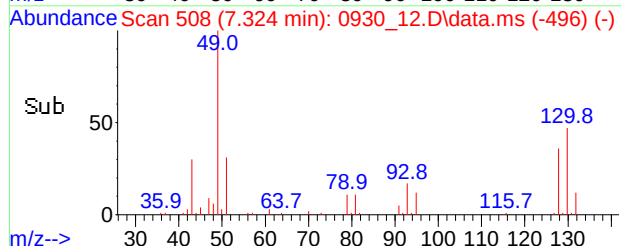
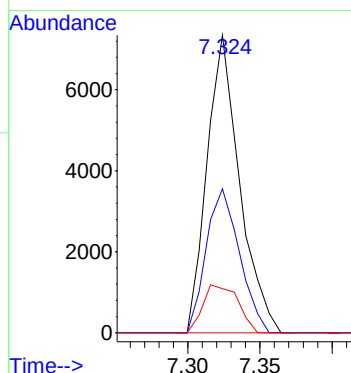
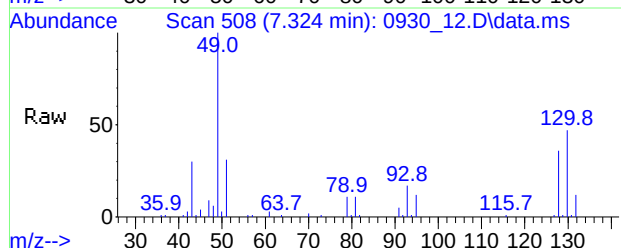
#25
Methyl Ethyl Ketone
Conc: 8\$ 0.651 ppbv
RT: 6.918 min Scan# 458
Delta R.T. 0.000 min
Lab File: 0930_12.D
Acq: 30 Sep 2025 3:58 pm

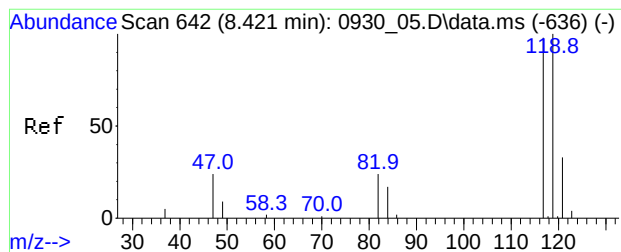
Tgt Ion: 43 Resp: 44489
Ion Ratio Lower Upper
43 100
72 10.4 11.6 17.4#
57 6.4 6.0 9.0



#29
Ethyl acetate
Conc: 8\$ 1.326 ppbv
RT: 7.324 min Scan# 508
Delta R.T. -0.000 min
Lab File: 0930_12.D
Acq: 30 Sep 2025 3:58 pm

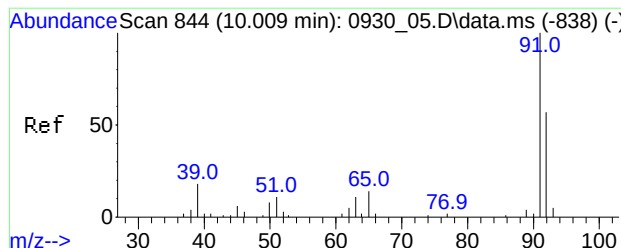
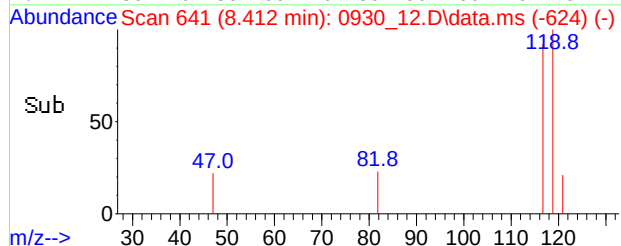
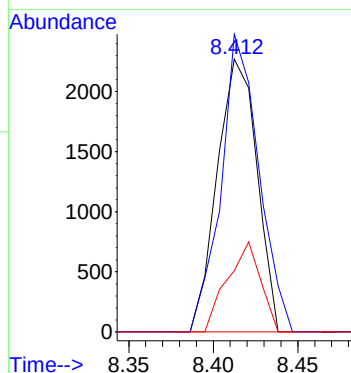
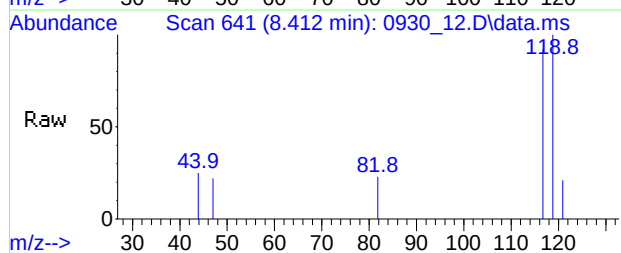
Tgt Ion: 61 Resp: 11504
Ion Ratio Lower Upper
61 100
70 49.4 46.3 69.5
88 17.3 12.4 18.6





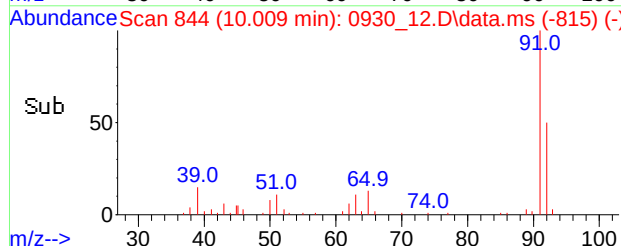
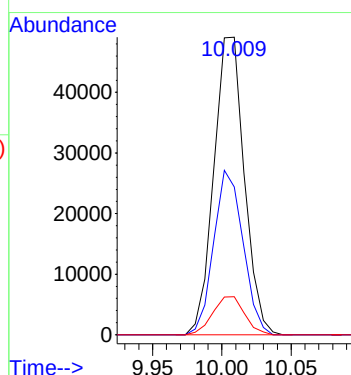
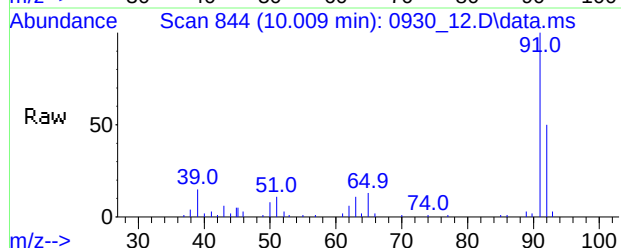
#34
Carbon Tetrachloride
Conc: 8\$ Below Cal
RT: 8.412 min Scan# 641
Delta R.T. 0.000 min
Lab File: 0930_12.D
Acq: 30 Sep 2025 3:58 pm

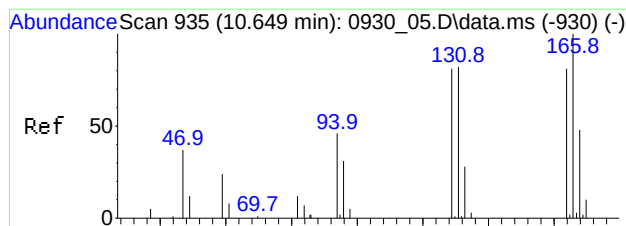
Tgt Ion: 117 Resp: 3709
Ion Ratio Lower Upper
117 100
119 104.0 75.8 115.8
121 27.6 11.5 51.5



#48
Toluene
Conc: 8\$ 0.987 ppbv
RT: 10.009 min Scan# 844
Delta R.T. 0.007 min
Lab File: 0930_12.D
Acq: 30 Sep 2025 3:58 pm

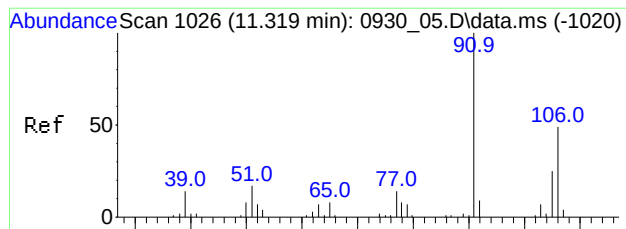
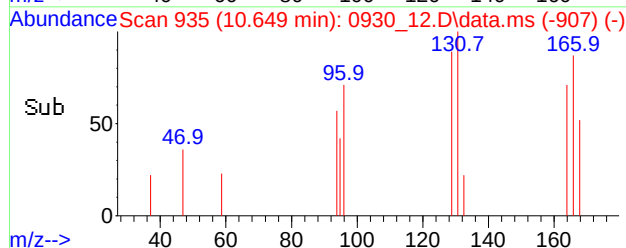
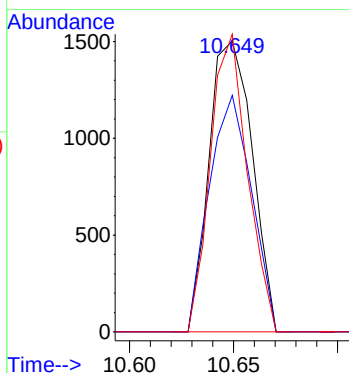
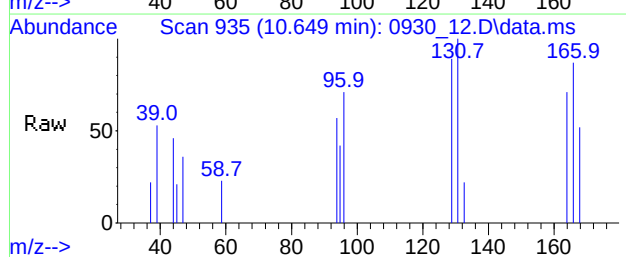
Tgt Ion: 91 Resp: 75375
Ion Ratio Lower Upper
91 100
92 53.1 42.6 63.8
65 13.5 10.0 15.0





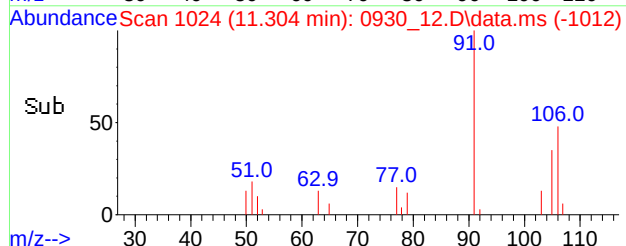
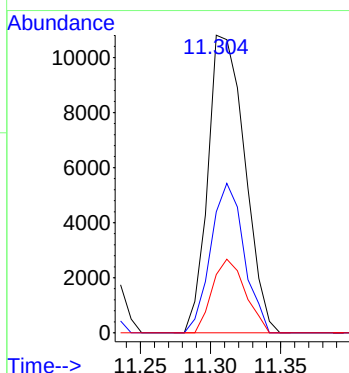
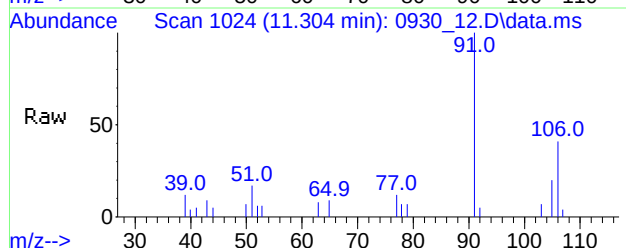
#52
Tetrachloroethene
Conc: 8\$ Below Cal
RT: 10.649 min Scan# 935
Delta R.T. 0.000 min
Lab File: 0930_12.D
Acq: 30 Sep 2025 3:58 pm

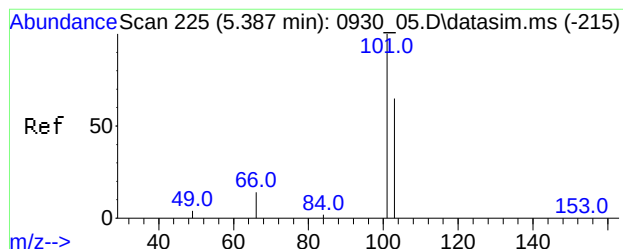
Tgt Ion: 166 Resp: 2172
Ion Ratio Lower Upper
166 100
164 79.5 61.8 92.8
129 87.6 62.3 93.5



#57
m,p-Xylene
Conc: 8\$ 0.289 ppbv
RT: 11.304 min Scan# 1024
Delta R.T. -0.007 min
Lab File: 0930_12.D
Acq: 30 Sep 2025 3:58 pm

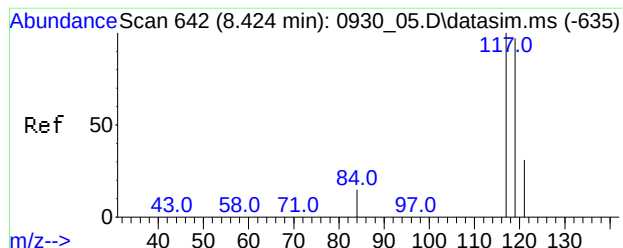
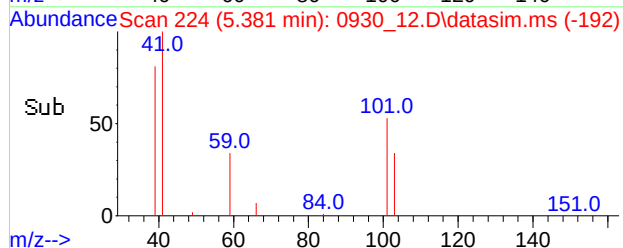
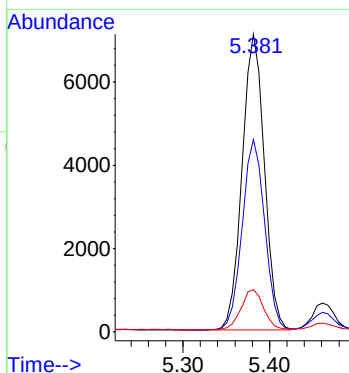
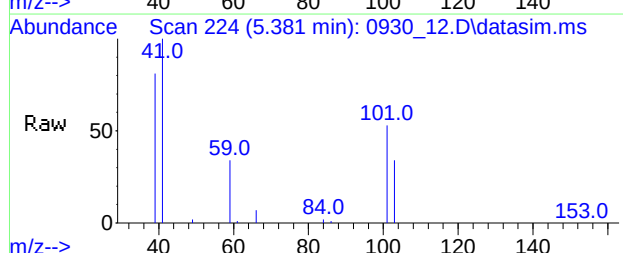
Tgt Ion: 91 Resp: 19767
Ion Ratio Lower Upper
91 100
106 45.5 36.7 55.1
105 22.2 19.2 28.8





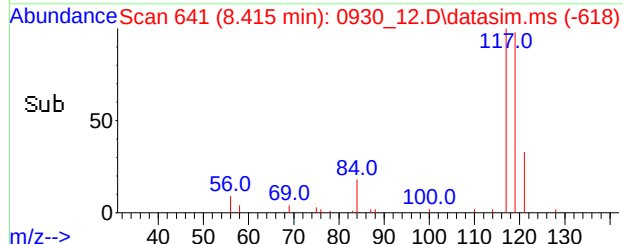
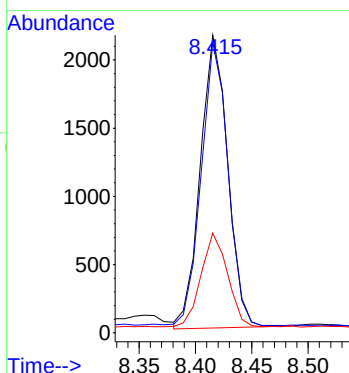
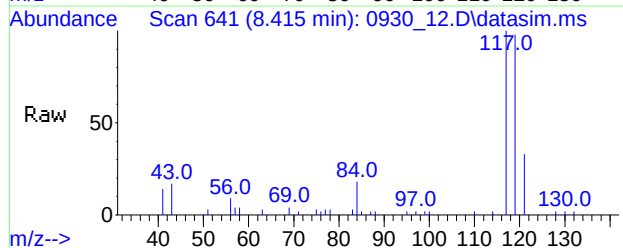
#84
Trichlorofluoromethane(sim)
Conc: 8\$ 0.222 ppbv
RT: 5.381 min Scan# 224
Delta R.T. -0.006 min
Lab File: 0930_12.D
Acq: 30 Sep 2025 3:58 pm

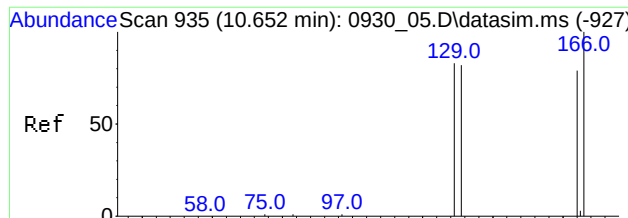
Tgt Ion:101 Resp: 12679
Ion Ratio Lower Upper
101 100
103 64.9 51.8 77.6
66 13.8 13.2 13.2#



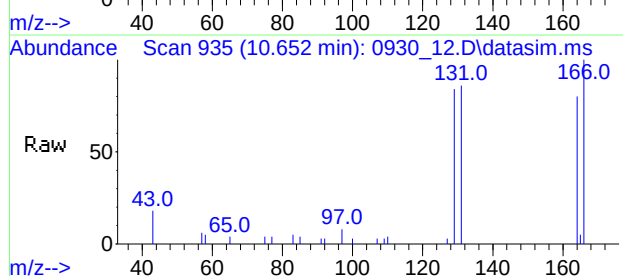
#88
Carbon Tetrachloride(sim)
Conc: 8\$ 0.075 ppbv
RT: 8.415 min Scan# 641
Delta R.T. 0.000 min
Lab File: 0930_12.D
Acq: 30 Sep 2025 3:58 pm

Tgt Ion:117 Resp: 3630
Ion Ratio Lower Upper
117 100
119 94.1 77.2 115.8
121 30.9 24.4 36.6

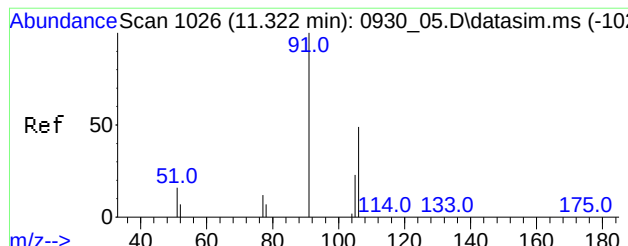
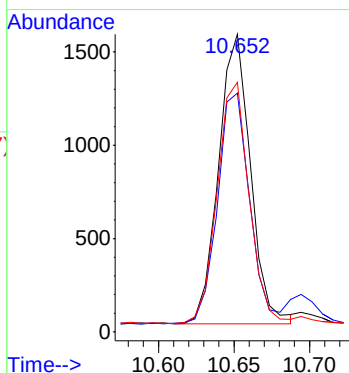
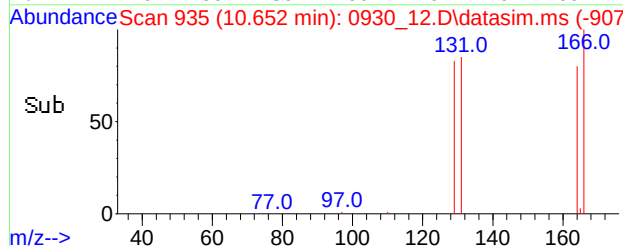




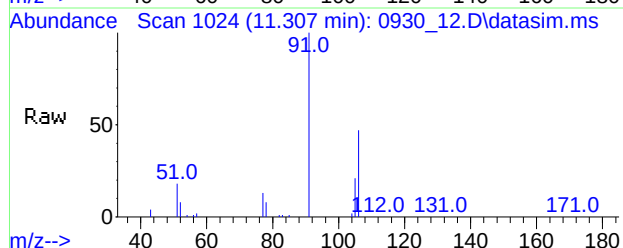
#104
Tetrachloroethene(sim)
Conc: 8\$ 0.062 ppbv
RT: 10.652 min Scan# 935
Delta R.T. 0.000 min
Lab File: 0930_12.D
Acq: 30 Sep 2025 3:58 pm



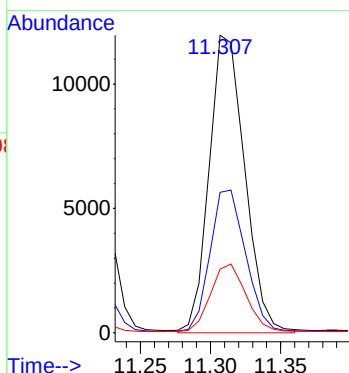
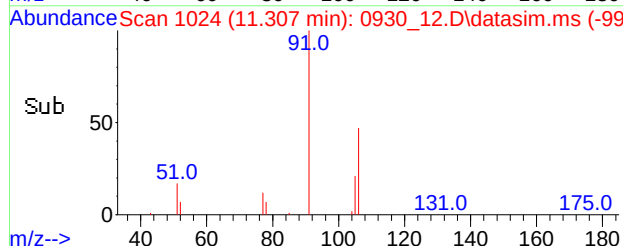
Tgt Ion: 166 Resp: 2281
Ion Ratio Lower Upper
166 100
164 81.1 58.6 98.6
129 83.4 57.2 97.2



#107
m,p-Xylene(sim)
Conc: 8\$ 0.265 ppbv
RT: 11.304 min Scan# 1024
Delta R.T. -0.007 min
Lab File: 0930_12.D
Acq: 30 Sep 2025 3:58 pm



Tgt Ion: 91 Resp: 19767
Ion Ratio Lower Upper
91 100
106 45.5 41.0 50.1
105 22.2 19.1 28.7



1
AIR ANALYSIS DATA SHEET

CLIENT ID

CV-IA-3

Client:	FPMGROUP	Lab:	Phoenix Env. Labs
SDG No.:	GCU37304	Lab Sample ID:	CU37305
Canister:	28592	Lab File ID:	0930_17.D
Instrument:	CHEM20	Column:	RTX-1 60M
Date Received:	09/29/25		
Purge Volume	200	(cc)	09/30/25
Date Analyzed:	09/30/25		
Matrix:	AIR	Dilution Factor:	1

CONCENTRATION UNITS: (ppbv or ug/m3) ppbv

CAS NO.	COMPOUND	CONC.	Q	MDL	PQL	R
115-07-1	Propylene	0.581	U	0.581	0.581	r
75-71-8	Dichlorodifluoromethane	0.245		0.202	0.202	r
74-87-3	Chloromethane	0.485	U	0.485	0.485	r
106-99-0	1,3-Butadiene	0.452	U	0.452	0.452	r
75-00-3	Chloroethane	0.379	U	0.379	0.379	r
64-17-5	Ethanol	661	ES	0.531	0.531	r
67-64-1	Acetone	9.64	S	0.421	0.421	r
67-63-0	Isopropylalcohol	376	ES	0.407	0.407	r
107-13-1	Acrylonitrile	0.461	U	0.461	0.461	r
75-09-2	Methylene Chloride	0.863	U	0.863	0.863	r
75-15-0	Carbon Disulfide	0.321	U	0.321	0.321	r
1634-04-4	Methyl tert-butyl ether(MTBE)	0.278	U	0.278	0.278	r
78-93-3	Methyl Ethyl Ketone	0.339	U	0.339	0.339	r
110-54-3	Hexane	0.284	U	0.284	0.284	r
141-78-6	Ethyl acetate	0.278	U	0.278	0.278	r
109-99-9	Tetrahydrofuran	0.339	U	0.339	0.339	r
110-82-7	Cyclohexane	0.291	U	0.291	0.291	r
540-84-1	2,2,4-trimethylpentane	0.215	U	0.215	0.215	r
142-82-5	Heptane	0.244	U	0.244	0.244	r
108-10-1	4-Methyl-2-pentanone(MIBK)	0.244	U	0.244	0.244	r
10061-02-6	trans-1,3-Dichloropropene	0.221	U	0.221	0.221	r
108-88-3	Toluene	0.266	U	0.266	0.266	r
591-78-6	2-Hexanone(MBK)	0.244	U	0.244	0.244	r
630-20-6	1,1,1,2-Tetrachloroethane	0.146	U	0.146	0.146	r
108-90-7	Chlorobenzene	0.217	U	0.217	0.217	r
100-41-4	Ethylbenzene	0.230	U	0.230	0.230	r
100-42-5	Styrene	0.235	U	0.235	0.235	r
95-47-6	o-Xylene	0.230	U	0.230	0.230	r
98-82-8	Isopropylbenzene	0.204	U	0.204	0.204	r
622-96-8	4-Ethyltoluene	0.204	U	0.204	0.204	r
108-67-8	1,3,5-Trimethylbenzene	0.204	U	0.204	0.204	r
95-63-6	1,2,4-Trimethylbenzene	0.204	U	0.204	0.204	r
91-20-3	Naphthalene	0.200	U	0.200	0.200	r
76-14-2	1,2-Dichlorotetrafluoroethane(sim)	0.143	U	0.143	0.143	r
75-01-4	Vinyl Chloride(sim)	0.078	U	0.078	0.078	r
74-83-9	Bromomethane(sim)	0.258	U	0.258	0.258	r

FORM I AIR

r=Result Reported U=Not Detected D=Reported Dilution E/J=Estimated Value X=Not Used S=Lab Solvent

1
AIR ANALYSIS DATA SHEET

CLIENT ID

Client:	<u>FPMGROUP</u>	Lab:	<u>Phoenix Env. Labs</u>
SDG No.:	<u>GCU37304</u>	Lab Sample ID:	<u>CU37305</u>
Canister:	<u>28592</u>	Lab File ID:	<u>0930_17.D</u>
Instrument:	<u>CHEM20</u>	Column:	<u>RTX-1 60M</u>
Purge Volume	<u>200</u> (cc)	Date Received:	<u>09/29/25</u>
Matrix:	<u>AIR</u>	Date Analyzed:	<u>09/30/25</u>
		Dilution Factor:	<u>1</u>

CONCENTRATION UNITS: (ppbv or ug/m3) ppbv

CAS NO.	COMPOUND	CONC.	Q	MDL	PQL	R
75-69-4	Trichlorofluoromethane(sim)	0.178	U	0.178	0.178	r
107-06-2	1,2-Dichloroethane(sim)	0.247	U	0.247	0.247	r
71-55-6	1,1,1-Trichloroethane(sim)	0.183	U	0.183	0.183	r
71-43-2	Benzene(sim)	0.313	U	0.313	0.313	r
56-23-5	Carbon Tetrachloride(sim)	0.034		0.032	0.032	r
75-35-4	1,1-Dichloroethene(sim)	0.051	U	0.051	0.051	r
76-13-1	Trichlorotrifluoroethane(sim)	0.131	U	0.131	0.131	r
156-60-5	Trans-1,2-Dichloroethene(sim)	0.252	U	0.252	0.252	r
75-34-3	1,1-Dichloroethane(sim)	0.247	U	0.247	0.247	r
156-59-2	Cis-1,2-Dichloroethene(sim)	0.051	U	0.051	0.051	r
67-66-3	Chloroform(sim)	0.205	U	0.205	0.205	r
78-87-5	1,2-dichloropropane(sim)	0.217	U	0.217	0.217	r
75-27-4	Bromodichloromethane(sim)	0.149	U	0.149	0.149	r
79-01-6	Trichloroethene(sim)	0.037	U	0.037	0.037	r
123-91-1	1,4-Dioxane(sim)	0.278	U	0.278	0.278	r
10061-01-5	cis-1,3-Dichloropropene(sim)	0.221	U	0.221	0.221	r
79-00-5	1,1,2-Trichloroethane(sim)	0.183	U	0.183	0.183	r
124-48-1	Dibromochloromethane(sim)	0.118	U	0.118	0.118	r
106-93-4	1,2-Dibromoethane(EDB)(sim)	0.130	U	0.130	0.130	r
127-18-4	Tetrachloroethene(sim)	0.089		0.037	0.037	r
75-25-2	Bromoform(sim)	0.097	U	0.097	0.097	r
179601-23-1	m,p-Xylene(sim)	0.230	U	0.230	0.230	r
79-34-5	1,1,2,2-Tetrachloroethane(sim)	0.146	U	0.146	0.146	r
100-44-7	Benzyl chloride(sim)	0.193	U	0.193	0.193	r
541-73-1	1,3-Dichlorobenzene(sim)	0.166	U	0.166	0.166	r
106-46-7	1,4-Dichlorobenzene(sim)	0.166	U	0.166	0.166	r
135-98-8	sec-Butylbenzene(sim)	0.182	U	0.182	0.182	r
99-87-6	4-Isopropyltoluene(sim)	0.182	U	0.182	0.182	r
95-50-1	1,2-Dichlorobenzene(sim)	0.166	U	0.166	0.166	r
104-51-8	n-Butylbenzene(sim)	0.182	U	0.182	0.182	r
120-82-1	1,2,4-Trichlorobenzene(sim)	0.135	U	0.135	0.135	r
87-68-3	Hexachlorobutadiene(sim)	0.094	U	0.094	0.094	r

FORM I AIR

r=Result Reported U=Not Detected D=Reported Dilution E/J=Estimated Value X=Not Used S=Lab Solvent

Data Path : H:\AIR2025\CHEM20\09SEP\29\
 Data File : 0930_17.D
 Acq On : 30 Sep 2025 11:08 pm
 Operator :
 Client ID : CV-IA-3
 Lab ID : CU37305
 ALS Vial : 19 Sample Multiplier: 1

Quant Time: Oct 01 05:07:08 2025
 Quant Method : H:\AIR2025\CHEM20\Methods\20_AIR_0909.M
 Quant Title : VOA Standards for 5 point calibration
 QLast Update : Tue Sep 30 13:55:37 2025
 Response via : Initial Calibration

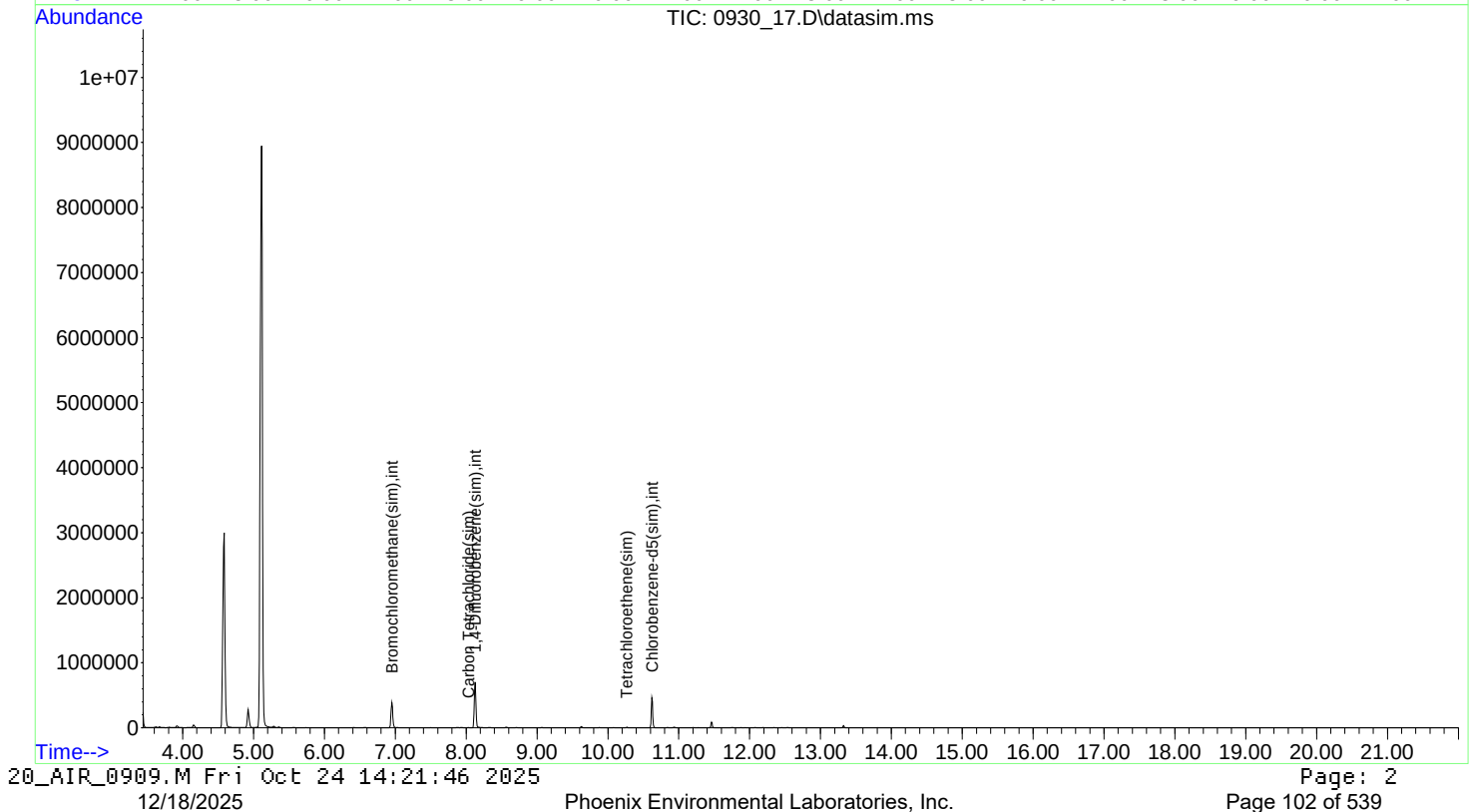
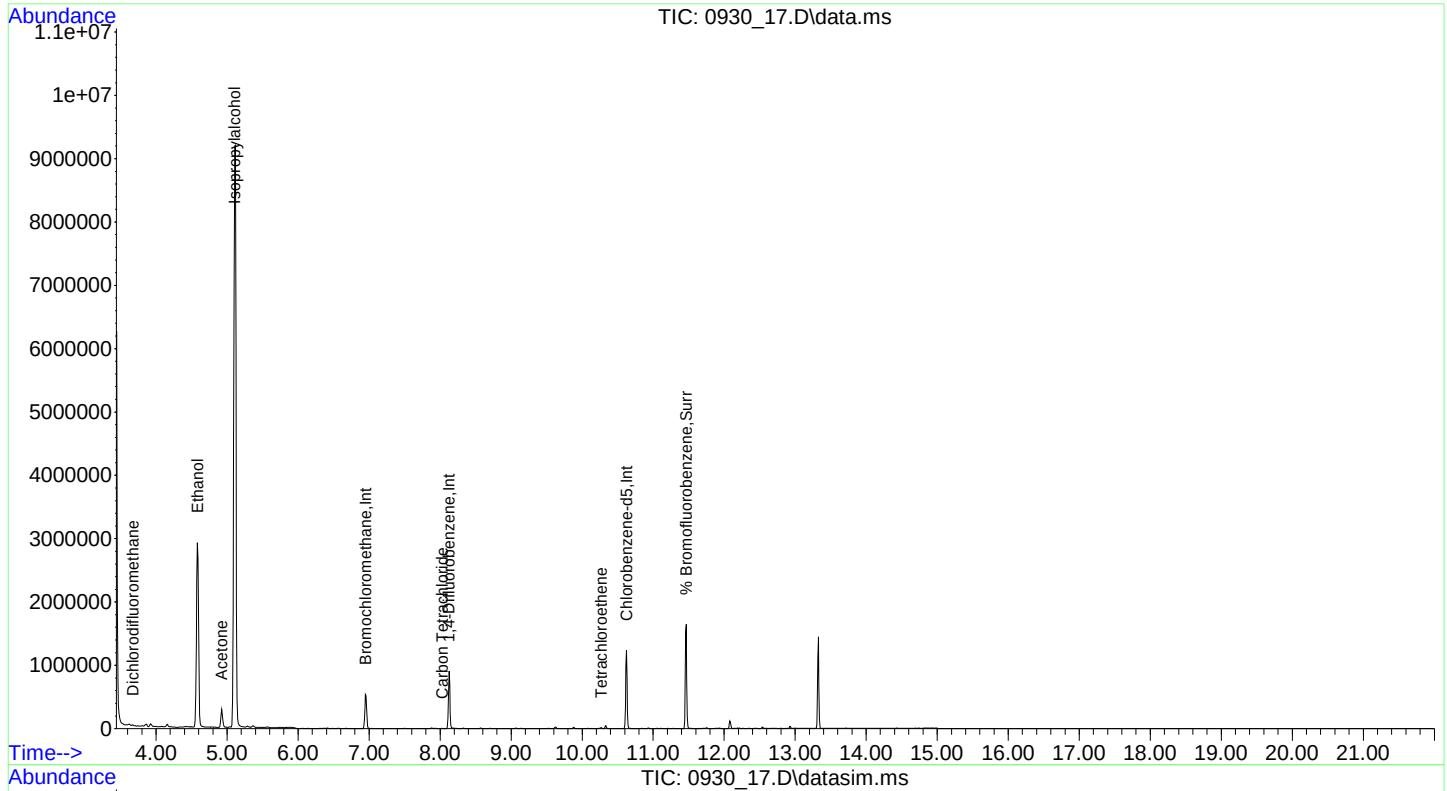
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

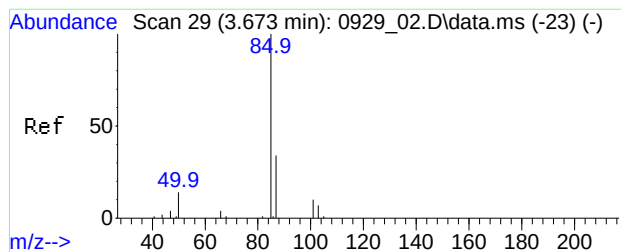
Internal Standards						
1) Bromochloromethane	6.949	130	177538	10.000	ng	0.00
36) 1,4-Difluorobenzene	8.126	114	598417	10.000	ng	0.00
53) Chlorobenzene-d5	10.624	82	293144	10.000	ng	0.00
78) Bromochloromethane(sim)	6.952	130	197547	10.000	ng	# 0.00
93) 1,4-Difluorobenzene(sim)	8.126	114	598417	10.000	ng	0.00
103) Chlorobenzene-d5(sim)	10.624	82	293144	10.000	ng	0.00
System Monitoring Compounds						
62) % Bromofluorobenzene	11.466	95	398512	10.304	ppbv	0.00
Spiked Amount	10.000	Range	70 - 130	Recovery	=	103.00%
Target Compounds						
					Qvalue	
3) Dichlorodifluoromethane	3.673	85	11956	0.245	ppbv	94
11) Ethanol	4.582	45	3635652	661.112	ppbv#	43
12) Acetone	4.922	43	315902	9.636	ppbv#	81
14) Isopropylalcohol	5.109	45	12464221	376.317	ppbv#	95
34) Carbon Tetrachloride	8.030	117	1556	0.035	ppbv#	76
52) Tetrachloroethene	10.271	166	4074	0.097	ppbv	90
86] Carbon Tetrachloride(sim)	8.033	117	1905	0.034	ppbv	99
102] Tetrachloroethene(sim)	10.267	166	4740	0.089	ppbv	95

(#)out of range (m)manual integration reviewed by analyst (+)signals summed

Data Path : H:\AIR2025\CHEM20\09SEP\29\
Data File : 0930_17.D
Acq On : 30 Sep 2025 11:08 pm
Operator :
Client ID : CV-IA-3
Lab ID : CU37305
ALS Vial : 19 Sample Multiplier: 1

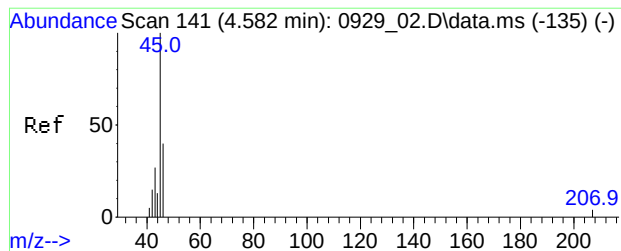
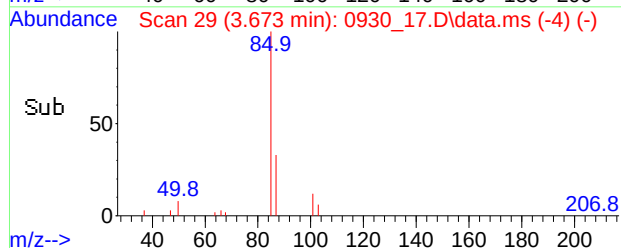
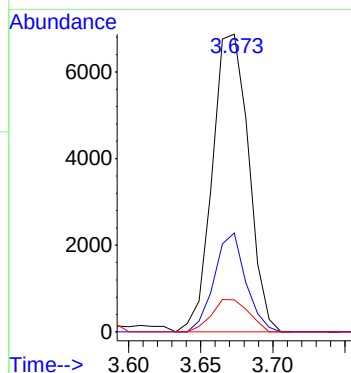
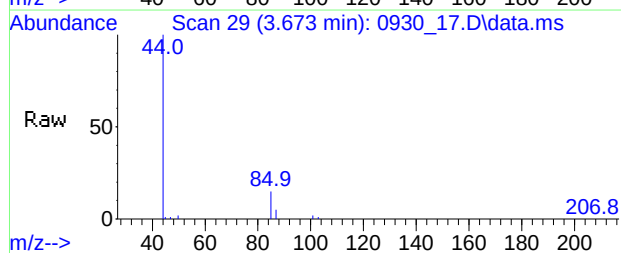
Quant Time: Oct 01 05:07:08 2025
Quant Method : H:\AIR2025\CHEM20\Methods\20_AIR_0909.M
Quant Title : VOA Standards for 5 point calibration
QLast Update : Tue Sep 30 13:55:37 2025
Response via : Initial Calibration





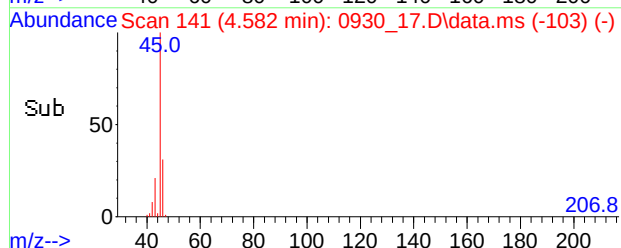
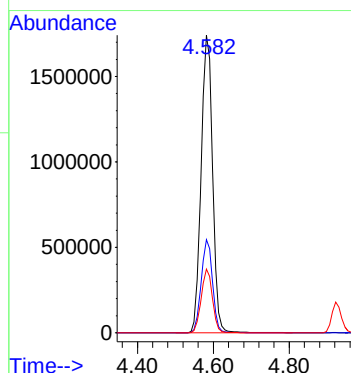
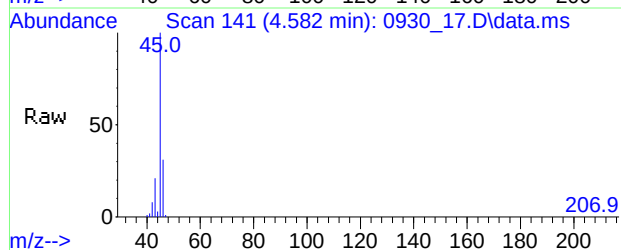
#3
Dichlorodifluoromethane
Conc: 8\$ 0.245 ppbv
RT: 3.673 min Scan# 29
Delta R.T. 0.000 min
Lab File: 0930_17.D
Acq: 30 Sep 2025 11:08 pm

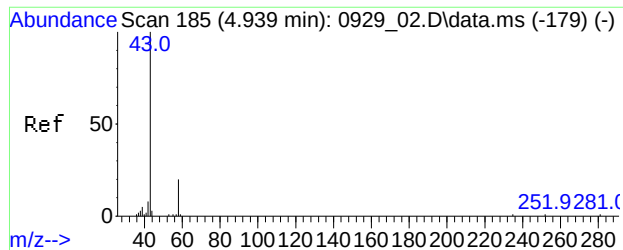
Tgt Ion:	85	Resp:	11956
Ion	Ratio	Lower	Upper
85	100		
87	29.0	25.8	38.8
50	11.2	10.6	15.8



#11
Ethanol
Conc: 8\$ 661.112 ppbv
RT: 4.582 min Scan# 141
Delta R.T. 0.008 min
Lab File: 0930_17.D
Acq: 30 Sep 2025 11:08 pm

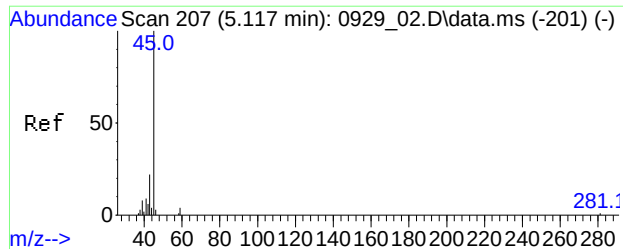
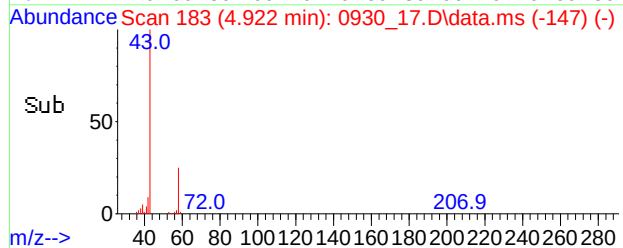
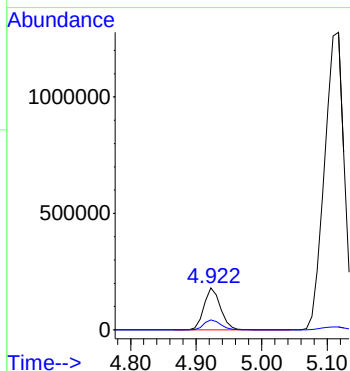
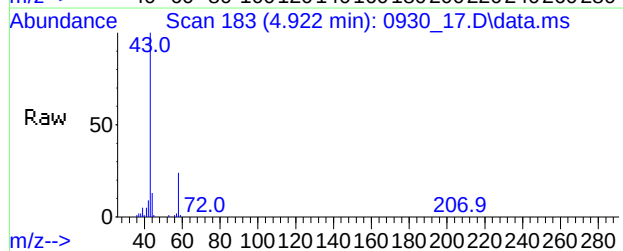
Tgt Ion:	45	Resp:	3635652
Ion	Ratio	Lower	Upper
45	100		
46	30.9	0.6	0.8#
43	21.0	0.0	0.0#





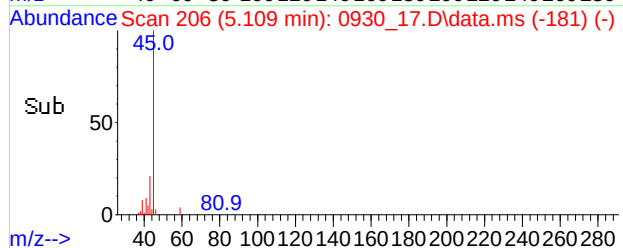
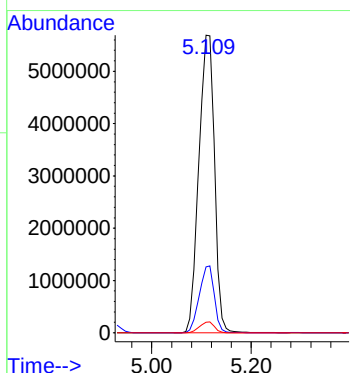
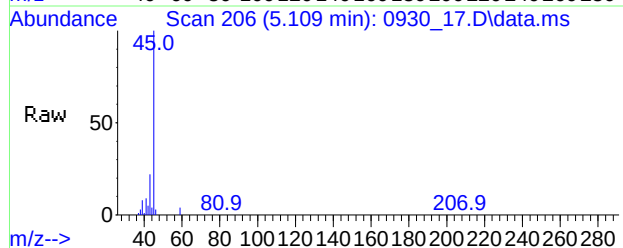
#12
Acetone
Conc: 8% 9.636 ppbv
RT: 4.922 min Scan# 183
Delta R.T. -0.008 min
Lab File: 0930_17.D
Acq: 30 Sep 2025 11:08 pm

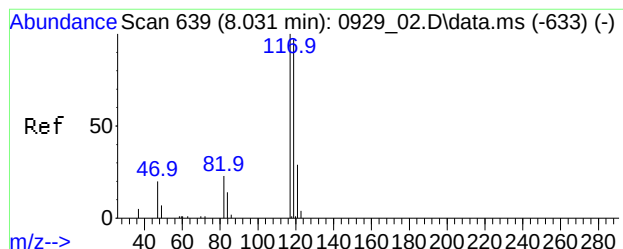
Tgt Ion: 43 Resp: 315902
Ion Ratio Lower Upper
43 100
58 24.3 0.2 0.2#



#14
Isopropylalcohol
Conc: 8% 376.317 ppbv
RT: 5.109 min Scan# 206
Delta R.T. 0.000 min
Lab File: 0930_17.D
Acq: 30 Sep 2025 11:08 pm

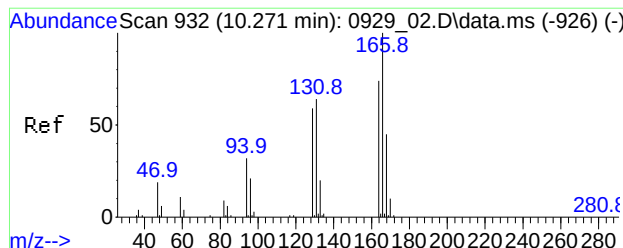
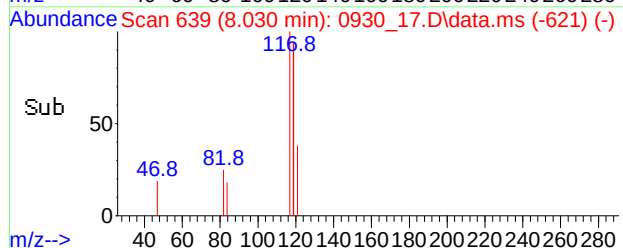
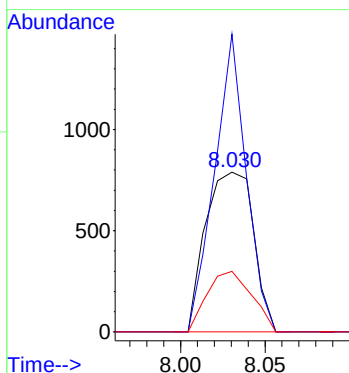
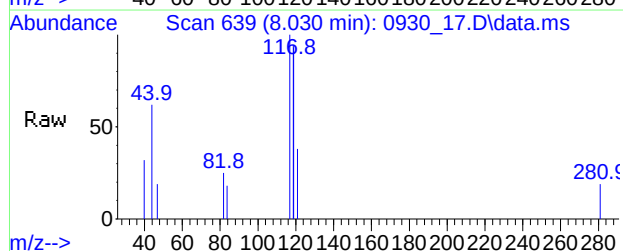
Tgt Ion: 45 Resp: 12464221
Ion Ratio Lower Upper
45 100
43 21.5 0.0 0.0#
59 3.5 0.6 1.0#





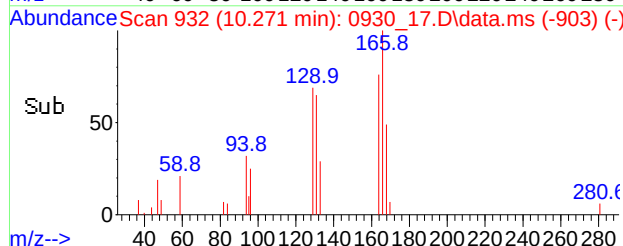
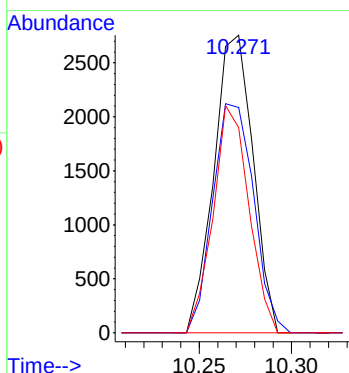
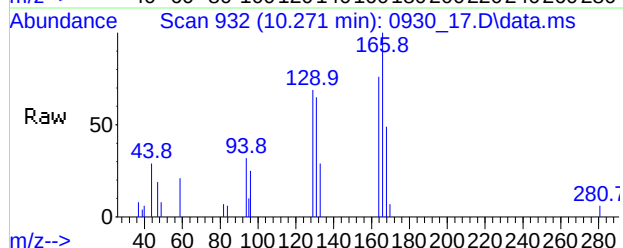
#34
Carbon Tetrachloride
Conc: 8\$ Below Cal
RT: 8.030 min Scan# 639
Delta R.T. 0.009 min
Lab File: 0930_17.D
Acq: 30 Sep 2025 11:08 pm

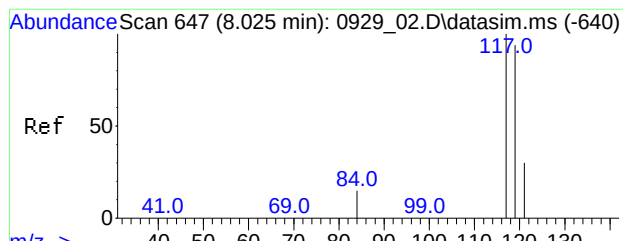
Tgt Ion: 117 Resp: 1556
Ion Ratio Lower Upper
117 100
119 123.8 74.9 114.9#
121 35.3 11.2 51.2



#52
Tetrachloroethene
Conc: 8\$ Below Cal
RT: 10.271 min Scan# 932
Delta R.T. 0.007 min
Lab File: 0930_17.D
Acq: 30 Sep 2025 11:08 pm

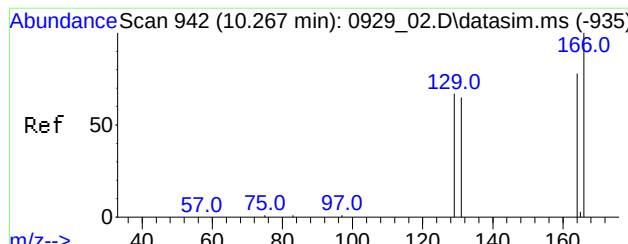
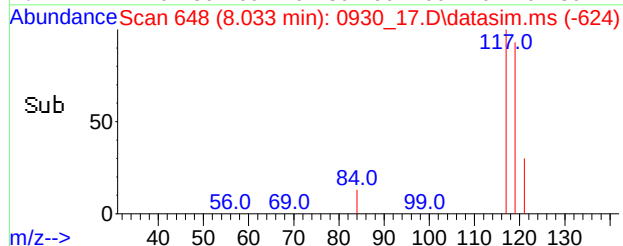
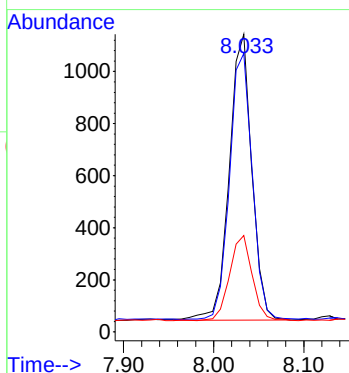
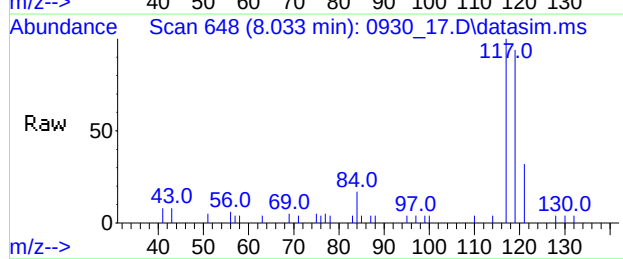
Tgt Ion: 166 Resp: 4074
Ion Ratio Lower Upper
166 100
164 80.5 63.4 95.2
129 69.7 68.4 102.6





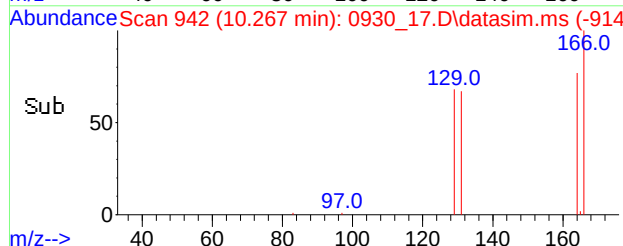
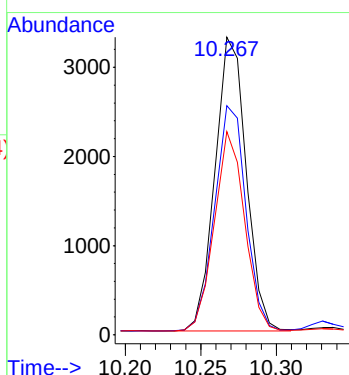
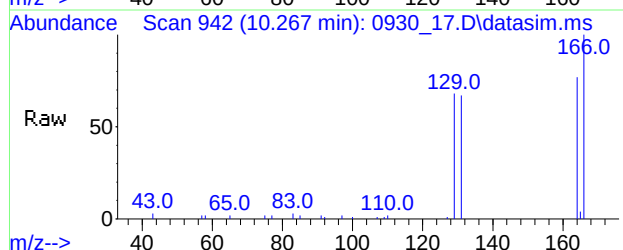
#86
Carbon Tetrachloride(sim)
Conc: 8\$ 0.034 ppbv
RT: 8.033 min Scan# 648
Delta R.T. 0.009 min
Lab File: 0930_17.D
Acq: 30 Sep 2025 11:08 pm

Tgt Ion: 117 Resp: 1905
Ion Ratio Lower Upper
117 100
119 94.1 76.6 115.0
121 30.1 24.2 36.4



#102
Tetrachloroethene(sim)
Conc: 8\$ 0.089 ppbv
RT: 10.267 min Scan# 942
Delta R.T. 0.000 min
Lab File: 0930_17.D
Acq: 30 Sep 2025 11:08 pm

Tgt Ion: 166 Resp: 4740
Ion Ratio Lower Upper
166 100
164 76.9 54.6 94.6
129 65.9 52.2 92.2



1
AIR ANALYSIS DATA SHEET

CLIENT ID

Client:	<u>FPMGROUP</u>	Lab:	<u>Phoenix Env. Labs</u>
SDG No.:	<u>GCU37304</u>	Lab Sample ID:	<u>CU37306</u>
Canister:	<u>28608</u>	Lab File ID:	<u>0930_15.D</u>
Instrument:	<u>CHEM20</u>	Column:	<u>RTX-1 60M</u>
Purge Volume	<u>200</u> (cc)	Date Received:	<u>09/29/25</u>
Matrix:	<u>AIR</u>	Date Analyzed:	<u>09/30/25</u>
		Dilution Factor:	<u>1</u>

CONCENTRATION UNITS: (ppbv or ug/m3) ppbv

CAS NO.	COMPOUND	CONC.	Q	MDL	PQL	R
115-07-1	Propylene	0.581	U	0.581	0.581	r
75-71-8	Dichlorodifluoromethane	0.410		0.202	0.202	r
74-87-3	Chloromethane	0.584		0.485	0.485	r
106-99-0	1,3-Butadiene	0.452	U	0.452	0.452	r
75-00-3	Chloroethane	0.379	U	0.379	0.379	r
64-17-5	Ethanol	1130	ES	0.531	0.531	r
67-64-1	Acetone	16.7	S	0.421	0.421	r
67-63-0	Isopropylalcohol	599	ES	0.407	0.407	r
107-13-1	Acrylonitrile	0.461	U	0.461	0.461	r
75-09-2	Methylene Chloride	0.863	U	0.863	0.863	r
75-15-0	Carbon Disulfide	0.321	U	0.321	0.321	r
1634-04-4	Methyl tert-butyl ether(MTBE)	0.278	U	0.278	0.278	r
78-93-3	Methyl Ethyl Ketone	0.448		0.339	0.339	r
110-54-3	Hexane	0.284	U	0.284	0.284	r
141-78-6	Ethyl acetate	0.278	U	0.278	0.278	r
109-99-9	Tetrahydrofuran	0.339	U	0.339	0.339	r
110-82-7	Cyclohexane	0.291	U	0.291	0.291	r
540-84-1	2,2,4-trimethylpentane	0.215	U	0.215	0.215	r
142-82-5	Heptane	0.244	U	0.244	0.244	r
108-10-1	4-Methyl-2-pentanone(MIBK)	0.244	U	0.244	0.244	r
10061-02-6	trans-1,3-Dichloropropene	0.221	U	0.221	0.221	r
108-88-3	Toluene	0.458		0.266	0.266	r
591-78-6	2-Hexanone(MBK)	0.244	U	0.244	0.244	r
127-18-4	Tetrachloroethene	0.337		0.037	0.037	r
630-20-6	1,1,1,2-Tetrachloroethane	0.146	U	0.146	0.146	r
108-90-7	Chlorobenzene	0.217	U	0.217	0.217	r
100-41-4	Ethylbenzene	0.230	U	0.230	0.230	r
100-42-5	Styrene	0.235	U	0.235	0.235	r
95-47-6	o-Xylene	0.230	U	0.230	0.230	r
98-82-8	Isopropylbenzene	0.204	U	0.204	0.204	r
622-96-8	4-Ethyltoluene	0.204	U	0.204	0.204	r
108-67-8	1,3,5-Trimethylbenzene	0.204	U	0.204	0.204	r
95-63-6	1,2,4-Trimethylbenzene	0.204	U	0.204	0.204	r
91-20-3	Naphthalene	0.200	U	0.200	0.200	r
76-14-2	1,2-Dichlorotetrafluoroethane(sim)	0.143	U	0.143	0.143	r
75-01-4	Vinyl Chloride(sim)	0.078	U	0.078	0.078	r

FORM I AIR

r=Result Reported U=Not Detected D=Reported Dilution E/J=Estimated Value X=Not Used S=Lab Solvent

1
AIR ANALYSIS DATA SHEET

CLIENT ID

Client:	<u>FPMGROUP</u>	Lab:	<u>Phoenix Env. Labs</u>
SDG No.:	<u>GCU37304</u>	Lab Sample ID:	<u>CU37306</u>
Canister:	<u>28608</u>	Lab File ID:	<u>0930_15.D</u>
Instrument:	<u>CHEM20</u>	Column:	<u>RTX-1 60M</u>
Purge Volume	<u>200</u> (cc)	Date Received:	<u>09/29/25</u>
Matrix:	<u>AIR</u>	Date Analyzed:	<u>09/30/25</u>
		Dilution Factor:	<u>1</u>

CONCENTRATION UNITS: (ppbv or ug/m3) ppbv

CAS NO.	COMPOUND	CONC.	Q	MDL	PQL	R
74-83-9	Bromomethane(sim)	0.258	U	0.258	0.258	r
75-69-4	Trichlorofluoromethane(sim)	0.178	U	0.178	0.178	r
107-06-2	1,2-Dichloroethane(sim)	0.247	U	0.247	0.247	r
71-55-6	1,1,1-Trichloroethane(sim)	0.183	U	0.183	0.183	r
71-43-2	Benzene(sim)	0.313	U	0.313	0.313	r
56-23-5	Carbon Tetrachloride(sim)	0.062		0.032	0.032	r
75-35-4	1,1-Dichloroethene(sim)	0.051	U	0.051	0.051	r
76-13-1	Trichlorotrifluoroethane(sim)	0.131	U	0.131	0.131	r
156-60-5	Trans-1,2-Dichloroethene(sim)	0.252	U	0.252	0.252	r
75-34-3	1,1-Dichloroethane(sim)	0.247	U	0.247	0.247	r
156-59-2	Cis-1,2-Dichloroethene(sim)	0.051	U	0.051	0.051	r
67-66-3	Chloroform(sim)	0.205	U	0.205	0.205	r
78-87-5	1,2-dichloropropane(sim)	0.217	U	0.217	0.217	r
75-27-4	Bromodichloromethane(sim)	0.149	U	0.149	0.149	r
79-01-6	Trichloroethene(sim)	0.037	U	0.037	0.037	r
123-91-1	1,4-Dioxane(sim)	0.278	U	0.278	0.278	r
10061-01-5	cis-1,3-Dichloropropene(sim)	0.221	U	0.221	0.221	r
79-00-5	1,1,2-Trichloroethane(sim)	0.183	U	0.183	0.183	r
124-48-1	Dibromochloromethane(sim)	0.118	U	0.118	0.118	r
106-93-4	1,2-Dibromoethane(EDB)(sim)	0.130	U	0.130	0.130	r
75-25-2	Bromoform(sim)	0.097	U	0.097	0.097	r
179601-23-1	m,p-Xylene(sim)	0.230	U	0.230	0.230	r
79-34-5	1,1,2,2-Tetrachloroethane(sim)	0.146	U	0.146	0.146	r
100-44-7	Benzyl chloride(sim)	0.193	U	0.193	0.193	r
541-73-1	1,3-Dichlorobenzene(sim)	0.166	U	0.166	0.166	r
106-46-7	1,4-Dichlorobenzene(sim)	0.166	U	0.166	0.166	r
135-98-8	sec-Butylbenzene(sim)	0.182	U	0.182	0.182	r
99-87-6	4-Isopropyltoluene(sim)	0.182	U	0.182	0.182	r
95-50-1	1,2-Dichlorobenzene(sim)	0.166	U	0.166	0.166	r
104-51-8	n-Butylbenzene(sim)	0.182	U	0.182	0.182	r
120-82-1	1,2,4-Trichlorobenzene(sim)	0.135	U	0.135	0.135	r
87-68-3	Hexachlorobutadiene(sim)	0.094	U	0.094	0.094	r

FORM I AIR

r=Result Reported U=Not Detected D=Reported Dilution E/J=Estimated Value X=Not Used S=Lab Solvent

Data Path : H:\AIR2025\CHEM20\09SEP\29\
 Data File : 0930_15.D
 Acq On : 30 Sep 2025 9:53 pm
 Operator :
 Client ID : EFFLUENT
 Lab ID : CU37306
 ALS Vial : 17 Sample Multiplier: 1

Quant Time: Oct 01 05:05:43 2025
 Quant Method : H:\AIR2025\CHEM20\Methods\20_AIR_0909.M
 Quant Title : VOA Standards for 5 point calibration
 QLast Update : Tue Sep 30 13:55:37 2025
 Response via : Initial Calibration

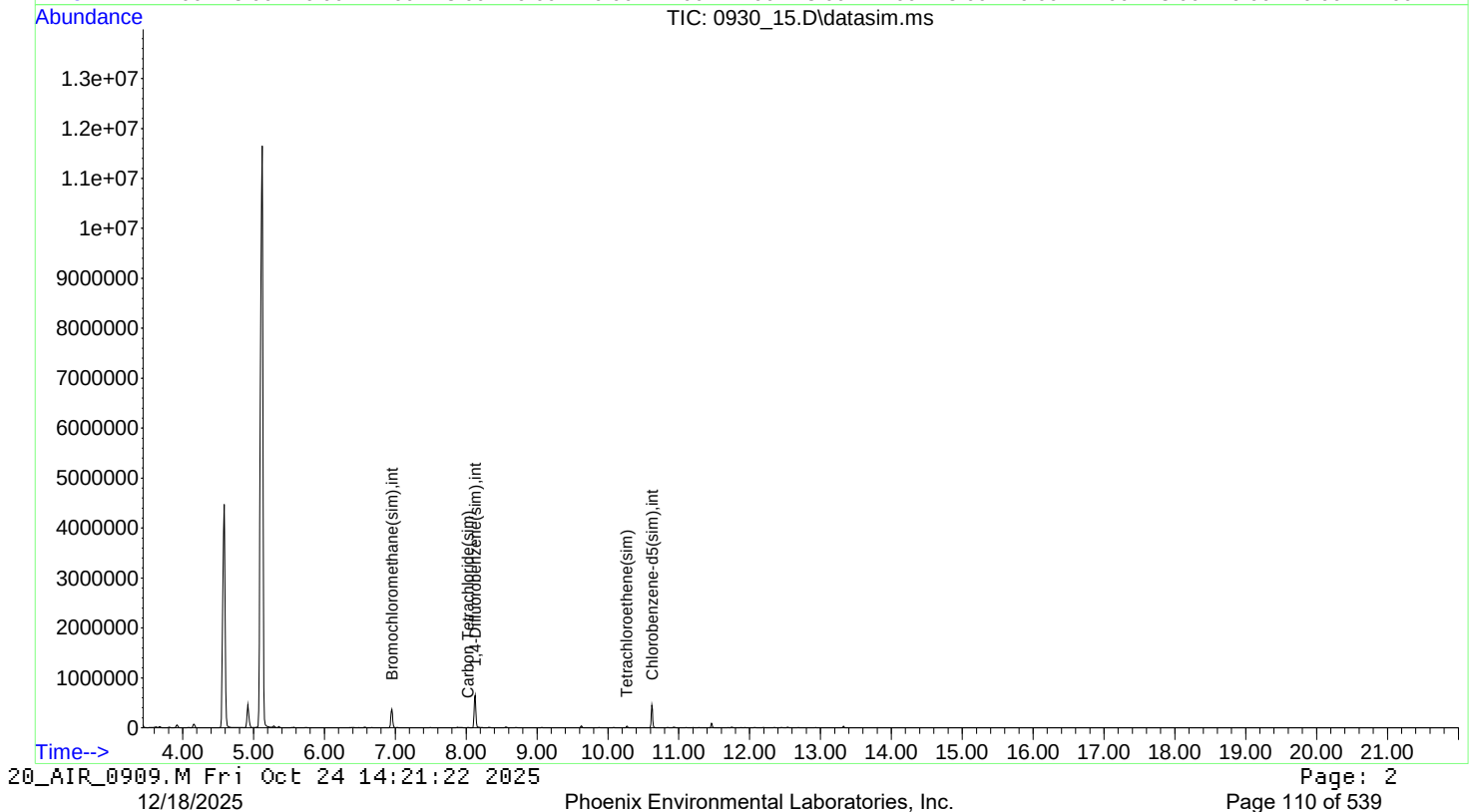
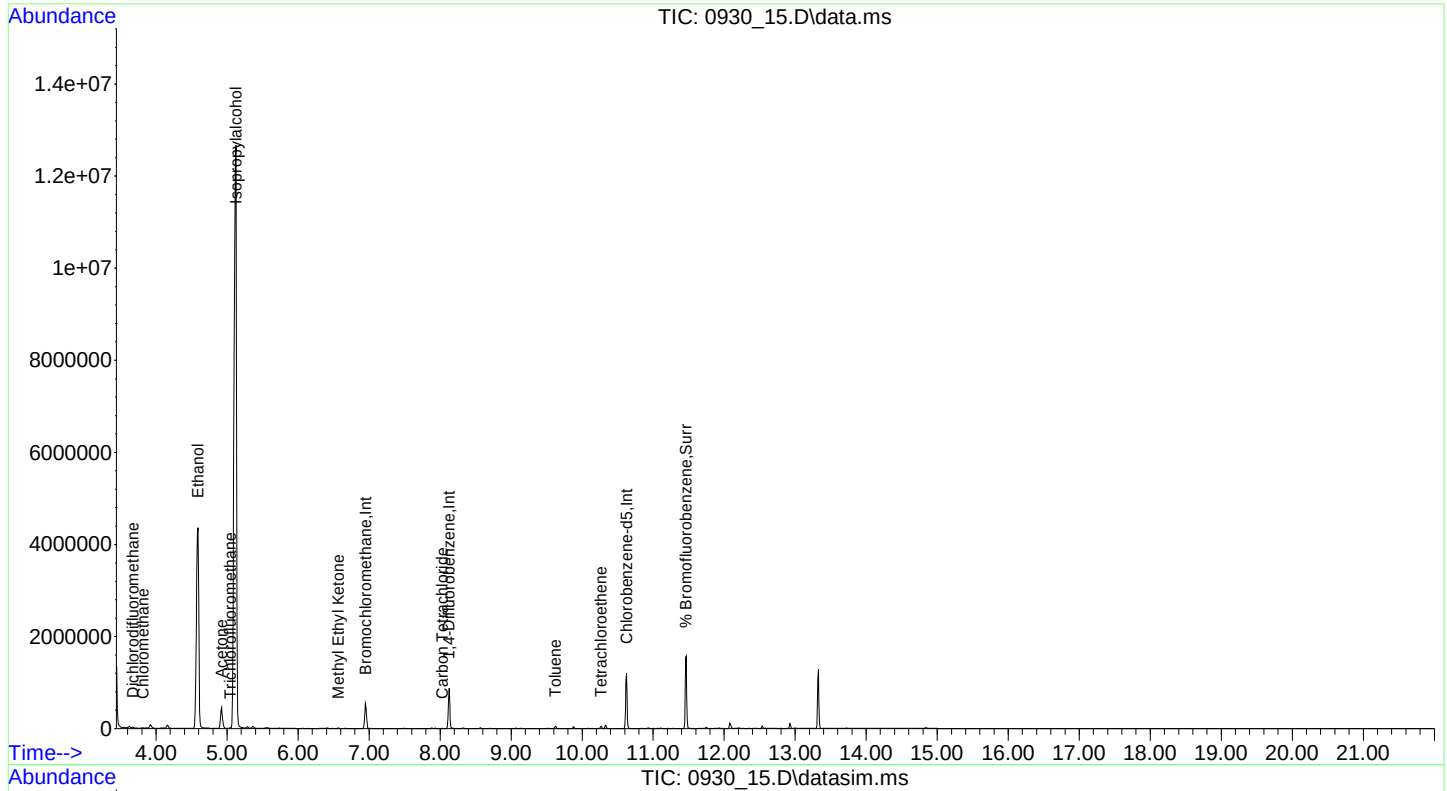
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

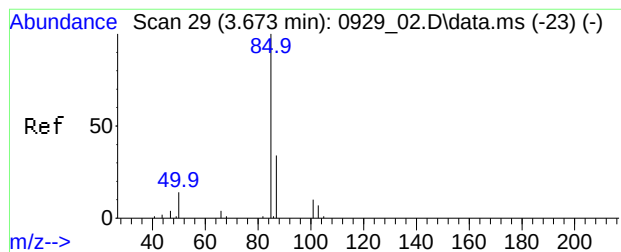
Internal Standards						
1) Bromochloromethane	6.949	130	171846	10.000	ng	0.00
36) 1,4-Difluorobenzene	8.126	114	579593	10.000	ng	0.00
53) Chlorobenzene-d5	10.624	82	286866	10.000	ng	0.00
78) Bromochloromethane(sim)	6.952	130	191434	10.000	ng	# 0.00
93) 1,4-Difluorobenzene(sim)	8.126	114	579593	10.000	ng	0.00
103) Chlorobenzene-d5(sim)	10.624	82	286866	10.000	ng	0.00
System Monitoring Compounds						
62) % Bromofluorobenzene	11.459	95	389669	10.296	ppbv	0.00
Spiked Amount	10.000	Range	70 - 130	Recovery	= 103.00%	
Target Compounds						
					Qvalue	
3) Dichlorodifluoromethane	3.673	85	19394	0.410	ppbv	99
4) Chloromethane	3.811	50	9181	0.584	ppbv	92
11) Ethanol	4.590	45	6040386	1134.774	ppbv#	42
12) Acetone	4.922	43	530990	16.734	ppbv#	81
13) Trichlorofluoromethane	5.044	101	8647	0.180	ppbv	95
14) Isopropylalcohol	5.125	45	19199317	598.861	ppbv#	94
25) Methyl Ethyl Ketone	6.568	43	16383	0.448	ppbv#	94
34) Carbon Tetrachloride	8.031	117	3022	0.069	ppbv	99
39) Trichloroethene	8.558	130	783	0.032	ppbv	91
48) Toluene	9.624	91	26928	0.458	ppbv	93
52) Tetrachloroethene	10.264	166	13654	0.337	ppbv#	88
86] Carbon Tetrachloride(sim)	8.025	117	3367	0.062	ppbv	99
102] Tetrachloroethene(sim)	10.267	166	15547	0.302	ppbv	95

(#)out of range (m)manual integration reviewed by analyst (+)signals summed

Data Path : H:\AIR2025\CHEM20\09SEP\29\
Data File : 0930_15.D
Acq On : 30 Sep 2025 9:53 pm
Operator :
Client ID : EFFLUENT
Lab ID : CU37306
ALS Vial : 17 Sample Multiplier: 1

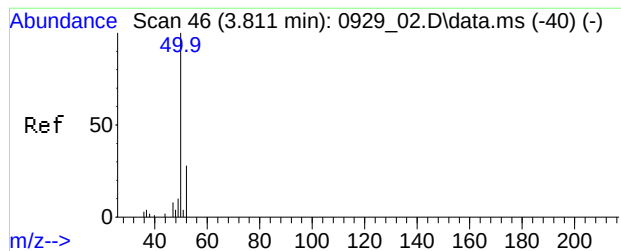
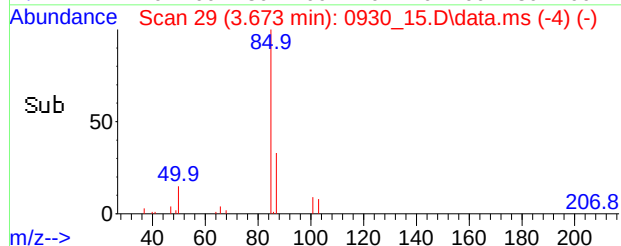
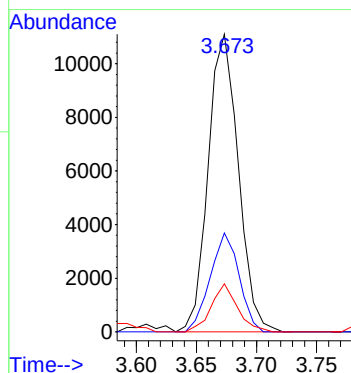
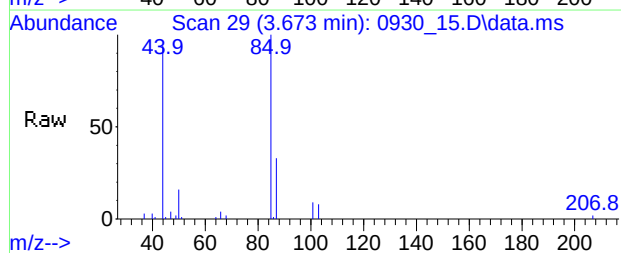
Quant Time: Oct 01 05:05:43 2025
Quant Method : H:\AIR2025\CHEM20\Methods\20_AIR_0909.M
Quant Title : VOA Standards for 5 point calibration
QLast Update : Tue Sep 30 13:55:37 2025
Response via : Initial Calibration





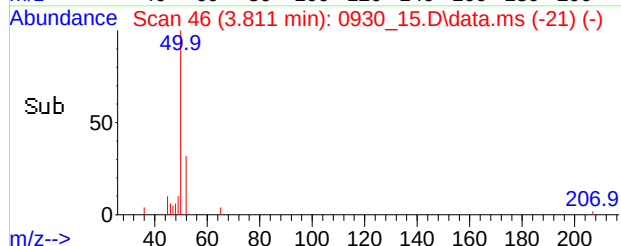
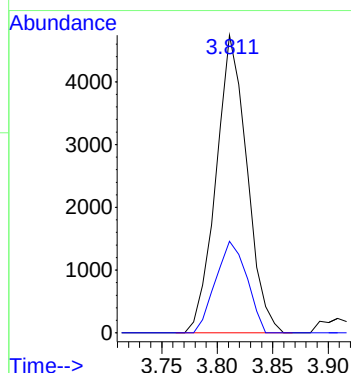
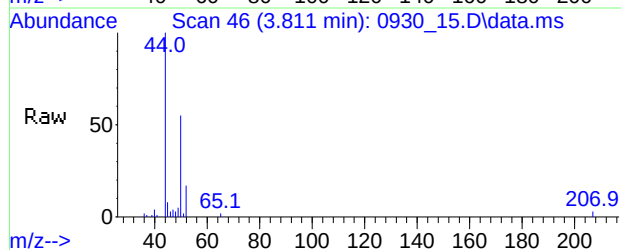
#3
Dichlorodifluoromethane
Conc: 8\$ 0.410 ppbv
RT: 3.673 min Scan# 29
Delta R.T. 0.000 min
Lab File: 0930_15.D
Acq: 30 Sep 2025 9:53 pm

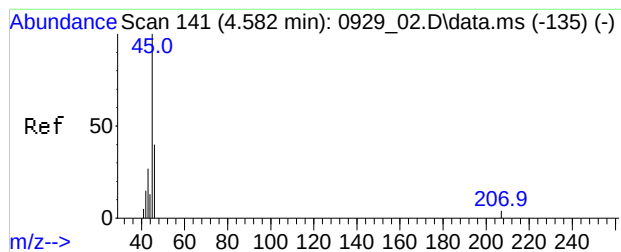
Tgt Ion: 85 Resp: 19394
Ion Ratio Lower Upper
85 100
87 31.8 25.8 38.8
50 14.1 10.6 15.8



#4
Chloromethane
Conc: 8\$ 0.584 ppbv
RT: 3.811 min Scan# 46
Delta R.T. 0.000 min
Lab File: 0930_15.D
Acq: 30 Sep 2025 9:53 pm

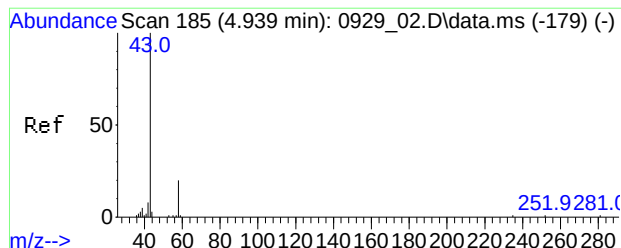
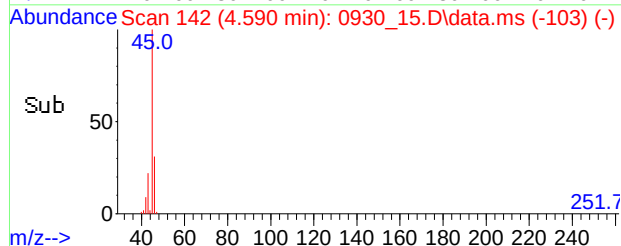
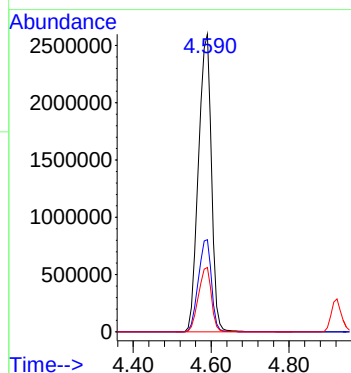
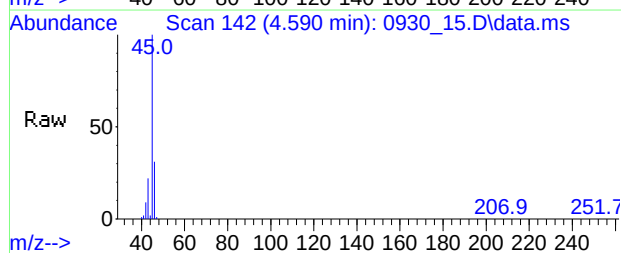
Tgt Ion: 50 Resp: 9181
Ion Ratio Lower Upper
50 100
52 31.0 15.5 55.5





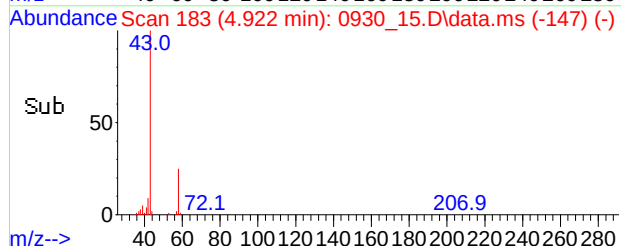
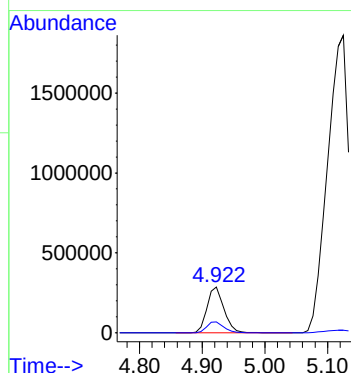
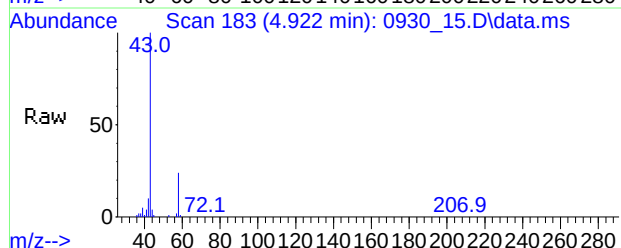
#11
Ethanol
Conc: 8\$ 1134.774 ppbv
RT: 4.590 min Scan# 142
Delta R.T. 0.016 min
Lab File: 0930_15.D
Acq: 30 Sep 2025 9:53 pm

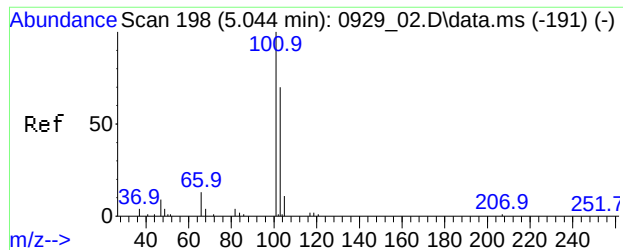
Tgt Ion: 45 Resp: 6040386
Ion Ratio Lower Upper
45 100
46 31.3 0.6 0.8#
43 21.5 0.0 0.0#



#12
Acetone
Conc: 8\$ 16.734 ppbv
RT: 4.922 min Scan# 183
Delta R.T. -0.008 min
Lab File: 0930_15.D
Acq: 30 Sep 2025 9:53 pm

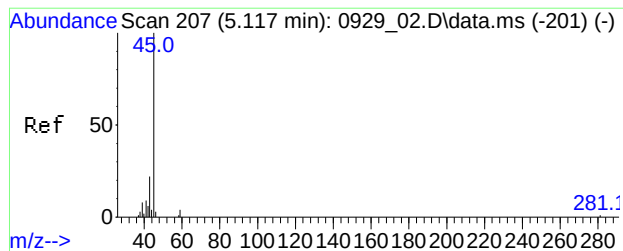
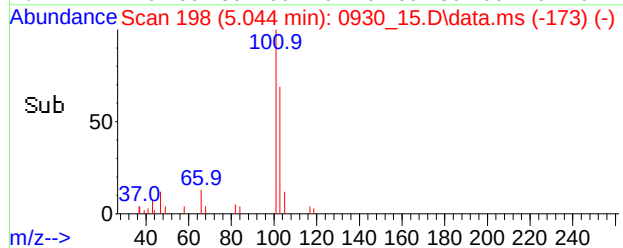
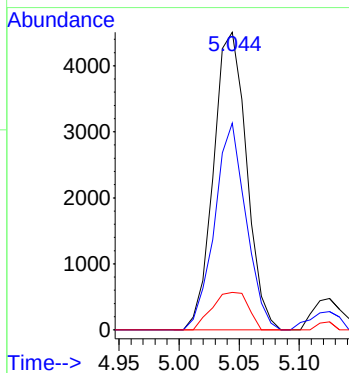
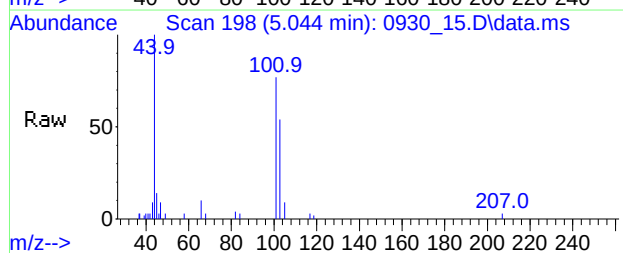
Tgt Ion: 43 Resp: 530990
Ion Ratio Lower Upper
43 100
58 24.6 0.2 0.2#





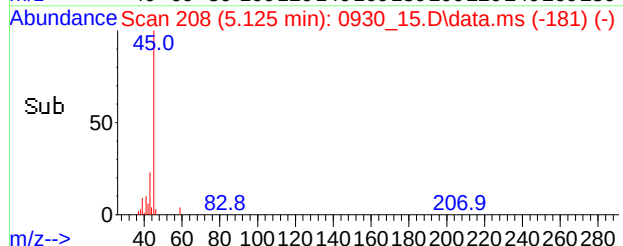
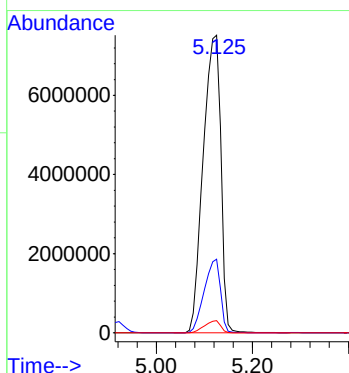
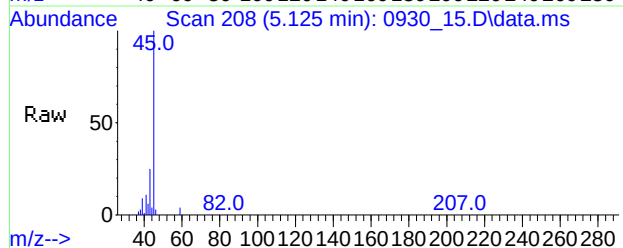
#13
Trichlorofluoromethane
Conc: 8\$ 0.180 ppbv
RT: 5.044 min Scan# 198
Delta R.T. 0.000 min
Lab File: 0930_15.D
Acq: 30 Sep 2025 9:53 pm

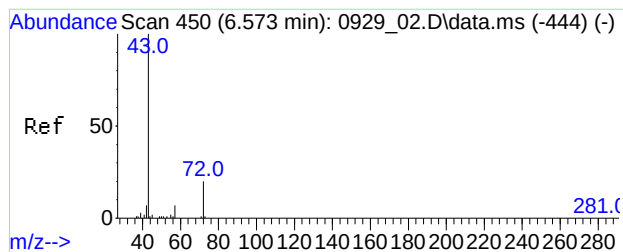
Tgt Ion: 101 Resp: 8647
Ion Ratio Lower Upper
101 100
103 66.1 49.8 74.8
66 13.8 12.1 18.1



#14
Isopropylalcohol
Conc: 8\$ 598.861 ppbv
RT: 5.125 min Scan# 208
Delta R.T. 0.016 min
Lab File: 0930_15.D
Acq: 30 Sep 2025 9:53 pm

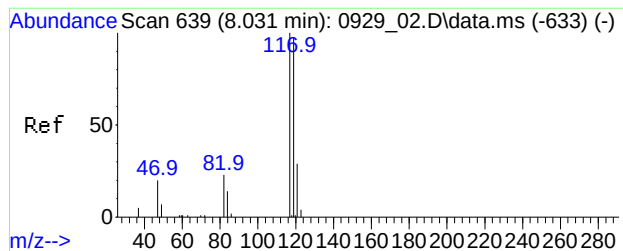
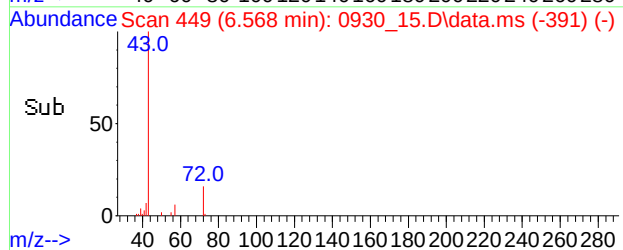
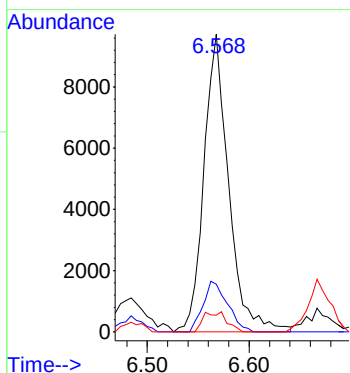
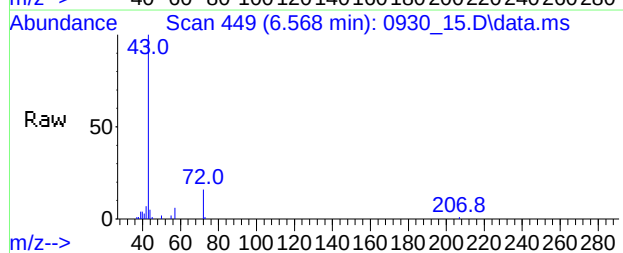
Tgt Ion: 45 Resp: 19199317
Ion Ratio Lower Upper
45 100
43 22.7 0.0 0.0#
59 3.7 0.6 1.0#





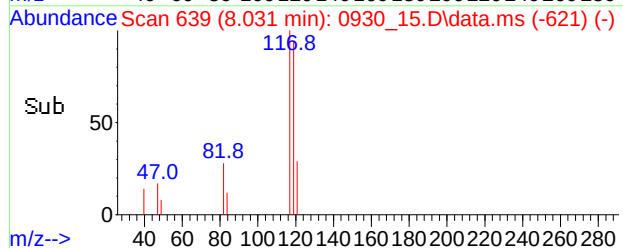
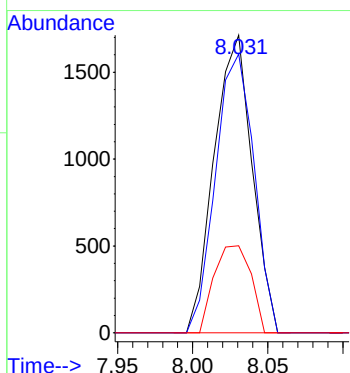
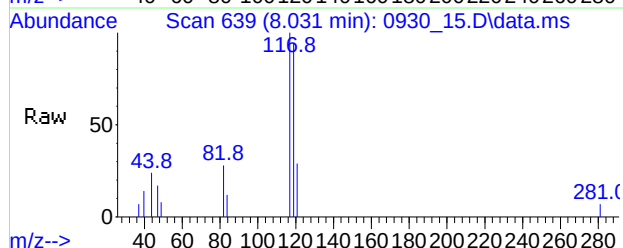
#25
Methyl Ethyl Ketone
Conc: 8\$ 0.448 ppbv
RT: 6.568 min Scan# 449
Delta R.T. 0.000 min
Lab File: 0930_15.D
Acq: 30 Sep 2025 9:53 pm

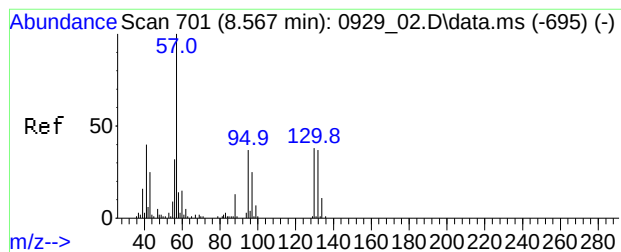
Tgt Ion: 43 Resp: 16383
Ion Ratio Lower Upper
43 100
72 16.6 0.0 0.0#
57 6.3 0.2 0.4#



#34
Carbon Tetrachloride
Conc: 8\$ Below Cal
RT: 8.031 min Scan# 639
Delta R.T. 0.009 min
Lab File: 0930_15.D
Acq: 30 Sep 2025 9:53 pm

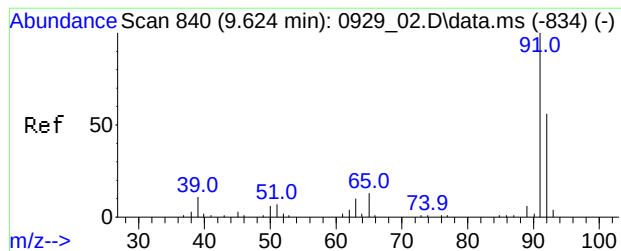
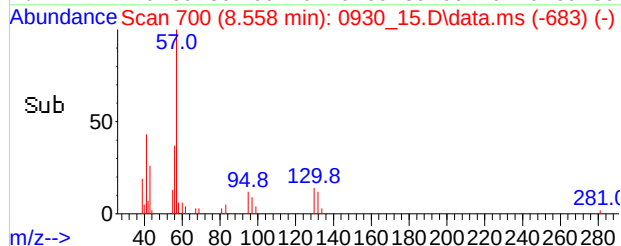
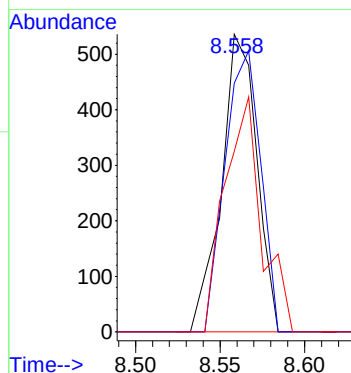
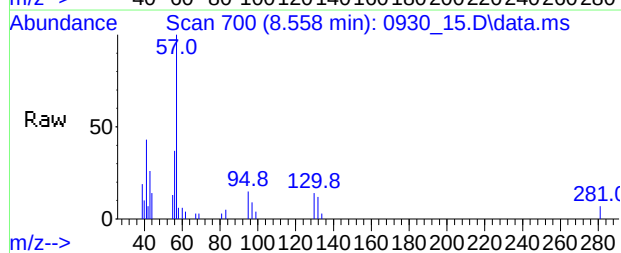
Tgt Ion: 117 Resp: 3022
Ion Ratio Lower Upper
117 100
119 94.6 74.9 114.9
121 28.4 11.2 51.2





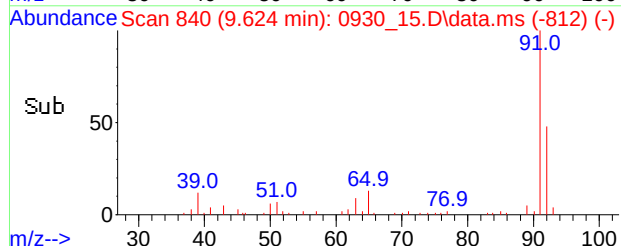
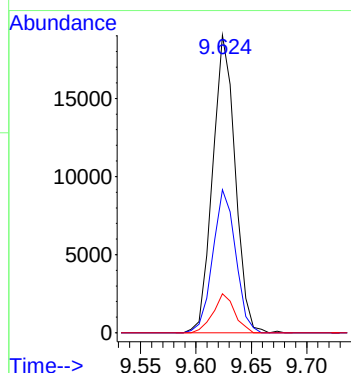
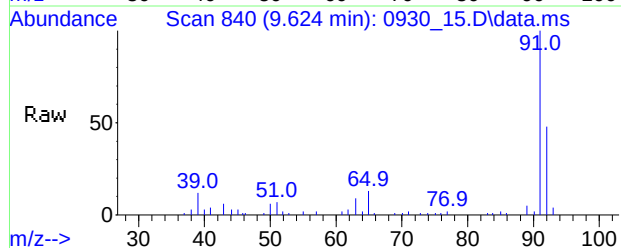
#39
Trichloroethene
Conc: 8\$ Below Cal
RT: 8.558 min Scan# 700
Delta R.T. 0.000 min
Lab File: 0930_15.D
Acq: 30 Sep 2025 9:53 pm

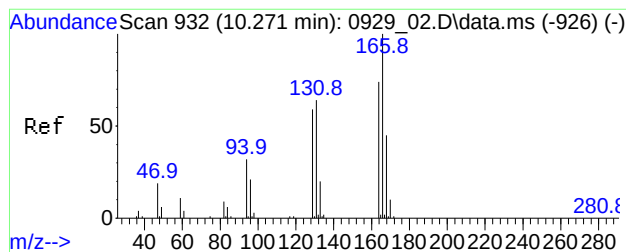
Tgt Ion: 130 Resp: 783
Ion Ratio Lower Upper
130 100
132 95.0 88.3 132.5
97 81.6 65.9 98.9



#48
Toluene
Conc: 8\$ 0.458 ppbv
RT: 9.624 min Scan# 840
Delta R.T. 0.000 min
Lab File: 0930_15.D
Acq: 30 Sep 2025 9:53 pm

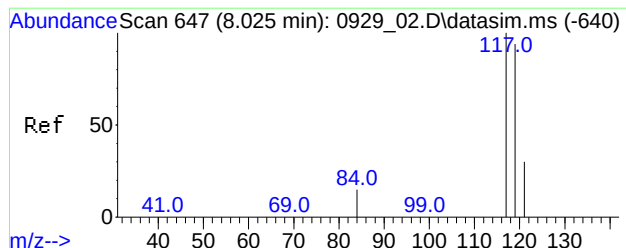
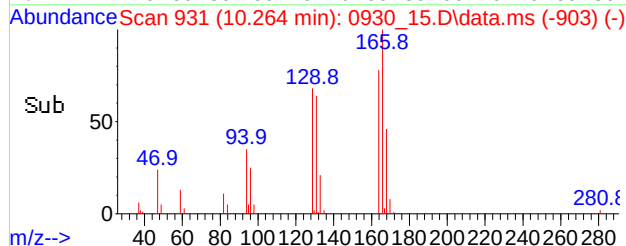
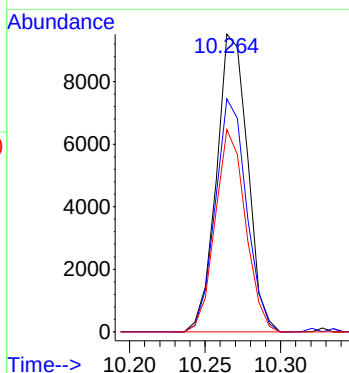
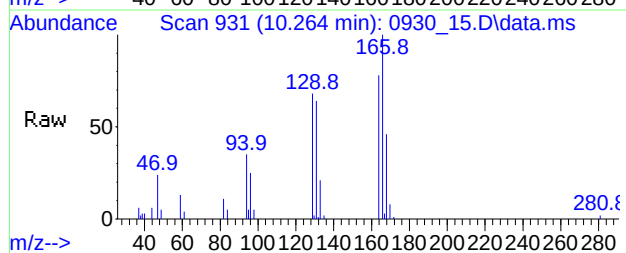
Tgt Ion: 91 Resp: 26928
Ion Ratio Lower Upper
91 100
92 48.9 43.8 65.8
65 12.6 10.6 16.0





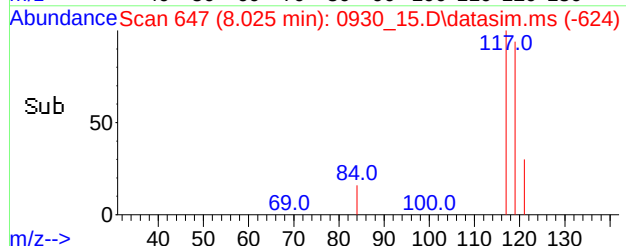
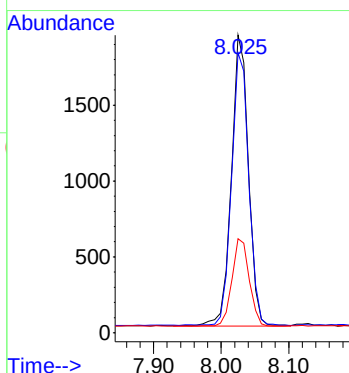
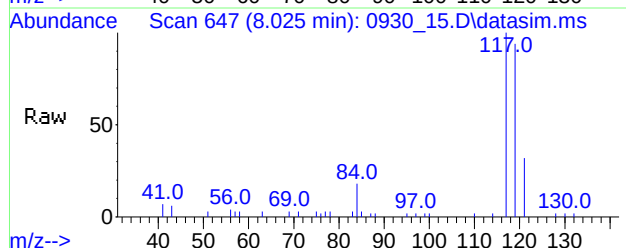
#52
Tetrachloroethene
Conc: 8\$ 0.337 ppbv
RT: 10.264 min Scan# 931
Delta R.T. 0.000 min
Lab File: 0930_15.D
Acq: 30 Sep 2025 9:53 pm

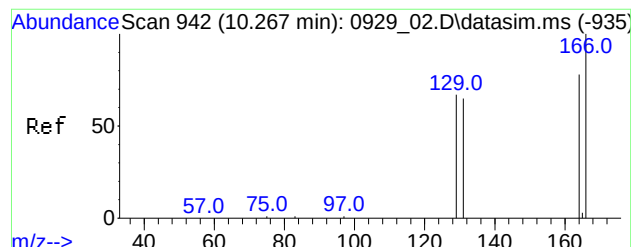
Tgt Ion: 166 Resp: 13654
Ion Ratio Lower Upper
166 100
164 78.2 63.4 95.2
129 66.0 68.4 102.6#



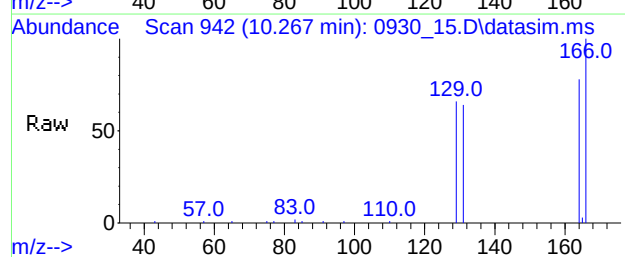
#86
Carbon Tetrachloride(sim)
Conc: 8\$ 0.062 ppbv
RT: 8.025 min Scan# 647
Delta R.T. 0.000 min
Lab File: 0930_15.D
Acq: 30 Sep 2025 9:53 pm

Tgt Ion: 117 Resp: 3367
Ion Ratio Lower Upper
117 100
119 94.1 76.6 115.0
121 30.5 24.2 36.4

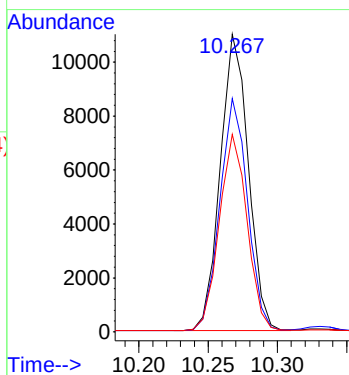
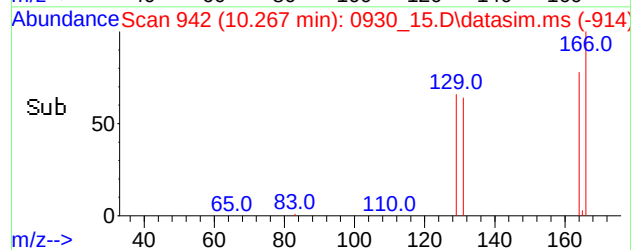




#102
 Tetrachloroethene(sim)
 Conc: 8\$ 0.302 ppbv
 RT: 10.267 min Scan# 942
 Delta R.T. 0.000 min
 Lab File: 0930_15.D
 Acq: 30 Sep 2025 9:53 pm



Tgt Ion: 166 Resp: 15547
 Ion Ratio Lower Upper
 166 100
 164 77.2 54.6 94.6
 129 65.6 52.2 92.2



1
AIR ANALYSIS DATA SHEET

CLIENT ID

OUTDOOR AMBIENT

Client:	FPMGROUP	Lab:	Phoenix Env. Labs
SDG No.:	GCU37304	Lab Sample ID:	CU37307
Canister:	28577	Lab File ID:	0930_07.D
Instrument:	CHEM24	Column:	RTX-1
		Date Received:	09/29/25
Purge Volume	200 (cc)	Date Analyzed:	09/30/25
Matrix:	AIR	Dilution Factor:	1

CONCENTRATION UNITS: (ppbv or ug/m3) ppbv

CAS NO.	COMPOUND	CONC.	Q	MDL	PQL	R
115-07-1	Propylene	0.581	U	0.581	0.581	r
75-71-8	Dichlorodifluoromethane	0.467		0.202	0.202	r
74-87-3	Chloromethane	0.687		0.485	0.485	r
106-99-0	1,3-Butadiene	0.452	U	0.452	0.452	r
75-00-3	Chloroethane	0.379	U	0.379	0.379	r
64-17-5	Ethanol	5.05	S	0.531	0.531	r
67-64-1	Acetone	4.49	S	0.421	0.421	r
75-69-4	Trichlorofluoromethane	0.220		0.178	0.178	r
67-63-0	Isopropylalcohol	0.530	S	0.407	0.407	r
107-13-1	Acrylonitrile	0.461	U	0.461	0.461	r
75-09-2	Methylene Chloride	0.863	U	0.863	0.863	r
75-15-0	Carbon Disulfide	0.321	U	0.321	0.321	r
1634-04-4	Methyl tert-butyl ether(MTBE)	0.278	U	0.278	0.278	r
78-93-3	Methyl Ethyl Ketone	0.381		0.339	0.339	r
110-54-3	Hexane	0.284	U	0.284	0.284	r
141-78-6	Ethyl acetate	0.278	U	0.278	0.278	r
109-99-9	Tetrahydrofuran	0.339	U	0.339	0.339	r
71-43-2	Benzene	0.313	U	0.313	0.313	r
110-82-7	Cyclohexane	0.291	U	0.291	0.291	r
540-84-1	2,2,4-trimethylpentane	0.215	U	0.215	0.215	r
142-82-5	Heptane	0.244	U	0.244	0.244	r
108-10-1	4-Methyl-2-pentanone(MIBK)	0.244	U	0.244	0.244	r
10061-02-6	trans-1,3-Dichloropropene	0.221	U	0.221	0.221	r
108-88-3	Toluene	0.381		0.266	0.266	r
591-78-6	2-Hexanone(MBK)	0.244	U	0.244	0.244	r
630-20-6	1,1,1,2-Tetrachloroethane	0.146	U	0.146	0.146	r
108-90-7	Chlorobenzene	0.217	U	0.217	0.217	r
100-41-4	Ethylbenzene	0.230	U	0.230	0.230	r
100-42-5	Styrene	0.235	U	0.235	0.235	r
95-47-6	o-Xylene	0.230	U	0.230	0.230	r
98-82-8	Isopropylbenzene	0.204	U	0.204	0.204	r
622-96-8	4-Ethyltoluene	0.204	U	0.204	0.204	r
108-67-8	1,3,5-Trimethylbenzene	0.204	U	0.204	0.204	r
95-63-6	1,2,4-Trimethylbenzene	0.204	U	0.204	0.204	r
91-20-3	Naphthalene	0.200	U	0.200	0.200	r
76-14-2	1,2-Dichlorotetrafluoroethane(sim)	0.143	U	0.143	0.143	r

FORM I AIR

r=Result Reported U=Not Detected D=Reported Dilution E/J=Estimated Value X=Not Used S=Lab Solvent

1
AIR ANALYSIS DATA SHEET

CLIENT ID

OUTDOOR AMBIENT

Client:	FPMGROUP	Lab:	Phoenix Env. Labs
SDG No.:	GCU37304	Lab Sample ID:	CU37307
Canister:	28577	Lab File ID:	0930_07.D
Instrument:	CHEM24	Column:	RTX-1
Purge Volume	200	(cc)	
		Date Received:	09/29/25
		Date Analyzed:	09/30/25
Matrix:	AIR	Dilution Factor:	1

CONCENTRATION UNITS: (ppbv or ug/m3) ppbv

CAS NO.	COMPOUND	CONC.	Q	MDL	PQL	R
75-01-4	Vinyl Chloride(sim)	0.078	U	0.078	0.078	r
74-83-9	Bromomethane(sim)	0.258	U	0.258	0.258	r
107-06-2	1,2-Dichloroethane(sim)	0.247	U	0.247	0.247	r
71-55-6	1,1,1-Trichloroethane(sim)	0.183	U	0.183	0.183	r
56-23-5	Carbon Tetrachloride(sim)	0.079		0.032	0.032	r
75-35-4	1,1-Dichloroethene(sim)	0.051	U	0.051	0.051	r
76-13-1	Trichlorotrifluoroethane(sim)	0.131	U	0.131	0.131	r
156-60-5	Trans-1,2-Dichloroethene(sim)	0.252	U	0.252	0.252	r
75-34-3	1,1-Dichloroethane(sim)	0.247	U	0.247	0.247	r
156-59-2	Cis-1,2-Dichloroethene(sim)	0.051	U	0.051	0.051	r
67-66-3	Chloroform(sim)	0.205	U	0.205	0.205	r
78-87-5	1,2-dichloropropane(sim)	0.217	U	0.217	0.217	r
75-27-4	Bromodichloromethane(sim)	0.149	U	0.149	0.149	r
79-01-6	Trichloroethene(sim)	0.037	U	0.037	0.037	r
123-91-1	1,4-Dioxane(sim)	0.278	U	0.278	0.278	r
10061-01-5	cis-1,3-Dichloropropene(sim)	0.221	U	0.221	0.221	r
79-00-5	1,1,2-Trichloroethane(sim)	0.183	U	0.183	0.183	r
124-48-1	Dibromochloromethane(sim)	0.118	U	0.118	0.118	r
106-93-4	1,2-Dibromoethane(EDB)(sim)	0.130	U	0.130	0.130	r
127-18-4	Tetrachloroethene(sim)	0.037	U	0.037	0.037	r
75-25-2	Bromoform(sim)	0.097	U	0.097	0.097	r
179601-23-1	m,p-Xylene(sim)	0.230	U	0.230	0.230	r
79-34-5	1,1,2,2-Tetrachloroethane(sim)	0.146	U	0.146	0.146	r
100-44-7	Benzyl chloride(sim)	0.193	U	0.193	0.193	r
541-73-1	1,3-Dichlorobenzene(sim)	0.166	U	0.166	0.166	r
106-46-7	1,4-Dichlorobenzene(sim)	0.166	U	0.166	0.166	r
135-98-8	sec-Butylbenzene(sim)	0.182	U	0.182	0.182	r
99-87-6	4-Isopropyltoluene(sim)	0.182	U	0.182	0.182	r
95-50-1	1,2-Dichlorobenzene(sim)	0.166	U	0.166	0.166	r
104-51-8	n-Butylbenzene(sim)	0.182	U	0.182	0.182	r
120-82-1	1,2,4-Trichlorobenzene(sim)	0.135	U	0.135	0.135	r
87-68-3	Hexachlorobutadiene(sim)	0.094	U	0.094	0.094	r

FORM I AIR

r=Result Reported U=Not Detected D=Reported Dilution E/J=Estimated Value X=Not Used S=Lab Solvent

Data Path : H:\AIR2025\CHEM24\09SEP\30\
 Data File : 0930_07.D
 Acq On : 30 Sep 2025 2:06 pm
 Operator : Keith
 Client ID : OUTDOOR AMBIENT
 Lab ID : CU37307
 ALS Vial : 7 Sample Multiplier: 1

Quant Time: Sep 30 16:11:23 2025
 Quant Method : H:\AIR2025\CHEM24\Methods\24_AIR_0923.M
 Quant Title : VOA Standards for 5 point calibration
 QLast Update : Wed Sep 24 13:58:02 2025
 Response via : Initial Calibration

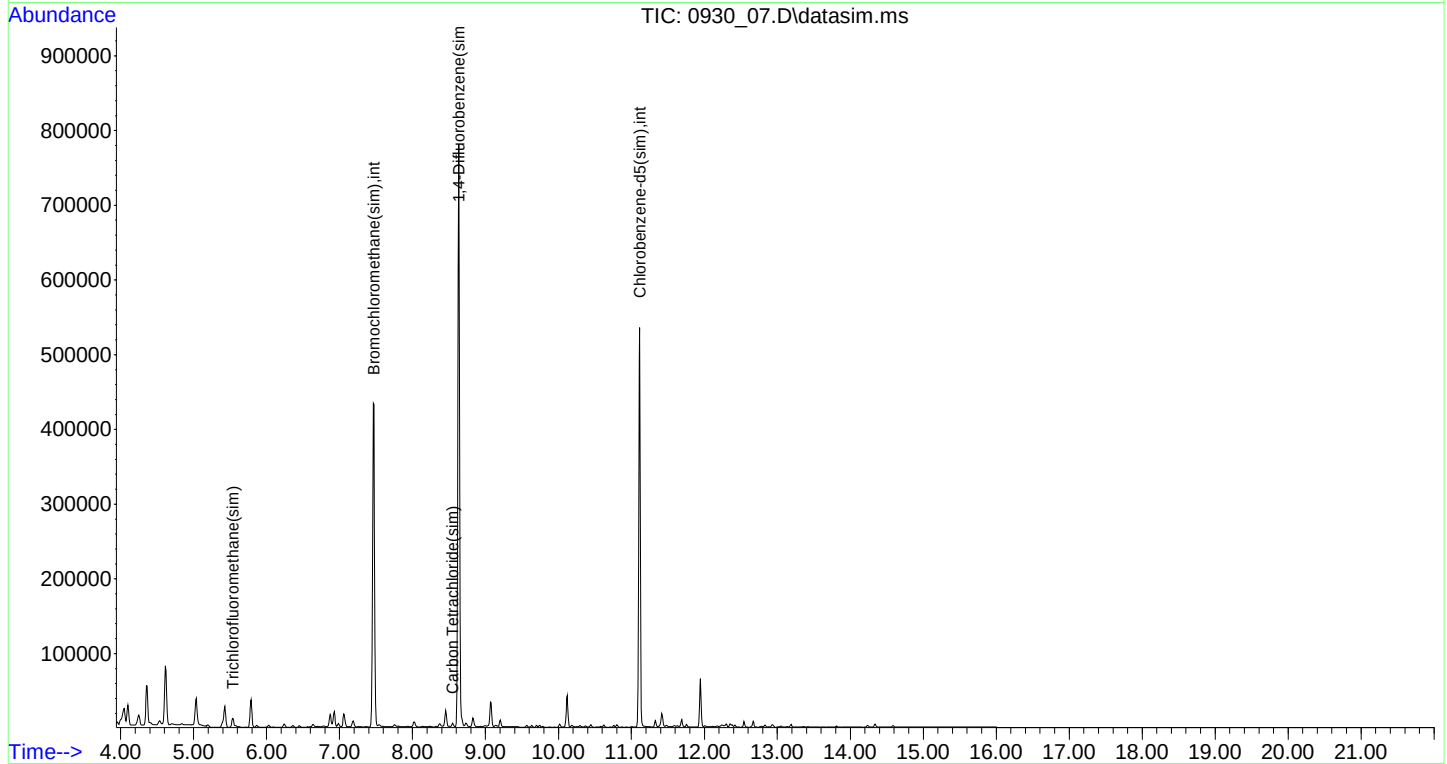
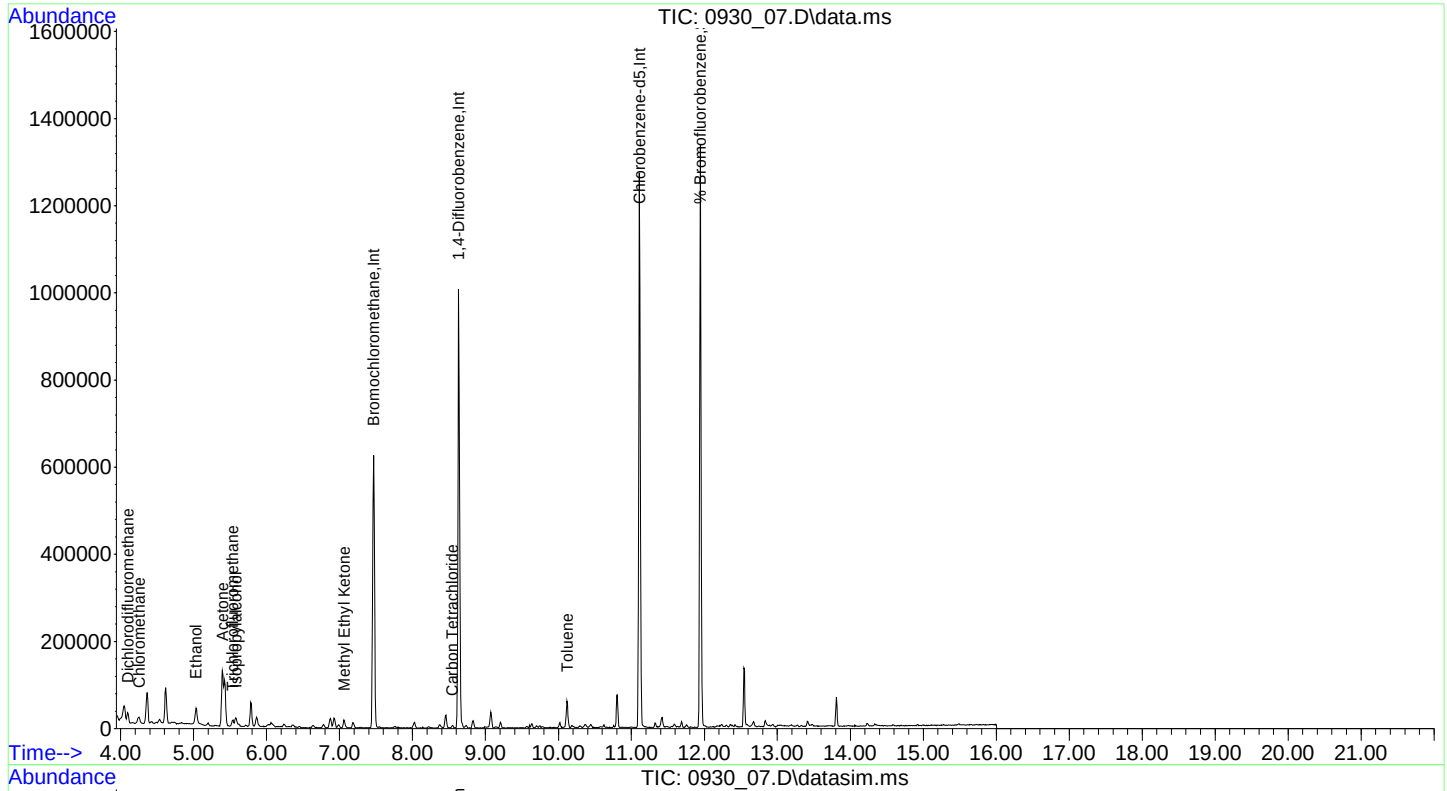
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

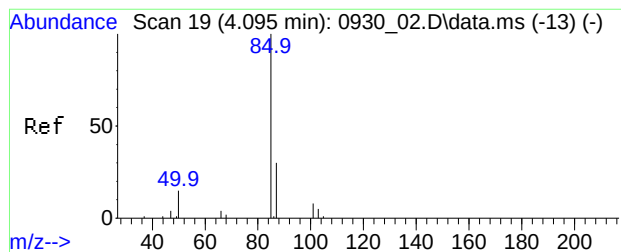
Internal Standards						
1) Bromochloromethane	7.467	130	149731	10.000	ng	0.00
36) 1,4-Difluorobenzene	8.632	114	600607	10.000	ng	0.00
53) Chlorobenzene-d5	11.109	82	350497	10.000	ng	0.00
80) Bromochloromethane(sim)	7.470	130	168875	10.000	ng	# 0.00
95) 1,4-Difluorobenzene(sim)	8.632	114	600607	10.000	ng	0.00
105) Chlorobenzene-d5(sim)	11.109	82	350497	10.000	ng	0.00
System Monitoring Compounds						
62) % Bromofluorobenzene	11.944	95	393178	9.744	ppbv	0.00
Spiked Amount	10.000	Range 70 - 130	Recovery	=	97.40%	
Target Compounds						
						Qvalue
3) Dichlorodifluoromethane	4.095	85	26464	0.467	ppbv	98
4) Chloromethane	4.253	50	17608	0.687	ppbv	98
11) Ethanol	5.032	45	45655	5.049	ppbv	94
12) Acetone	5.394	43	191906	4.491	ppbv#	85
13) Trichlorofluoromethane	5.535	101	11514	0.220	ppbv#	95
14) Isopropylalcohol	5.578	45	26557	0.530	ppbv#	89
25) Methyl Ethyl Ketone	7.061	43	22963	0.381	ppbv	96
34) Carbon Tetrachloride	8.545	117	3134	0.072	ppbv	91
48) Toluene	10.117	91	30949	0.381	ppbv	99
84] Trichlorofluoromethane...	5.538	101	12619	0.215	ppbv#	98
88] Carbon Tetrachloride(sim)	8.548	117	3471	0.079	ppbv	97

(#)out of range (m)manual integration reviewed by analyst (+)signals summed

Data Path : H:\AIR2025\CHEM24\09SEP\30\
Data File : 0930_07.D
Acq On : 30 Sep 2025 2:06 pm
Operator : Keith
Client ID : OUTDOOR AMBIENT
Lab ID : CU37307
ALS Vial : 7 Sample Multiplier: 1

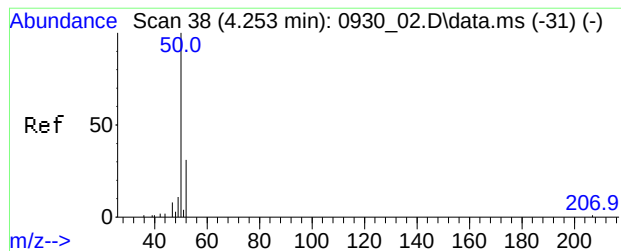
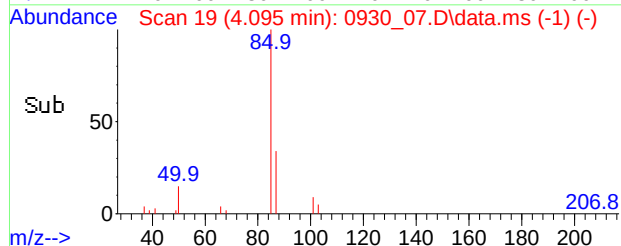
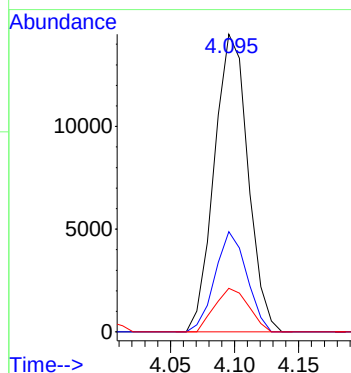
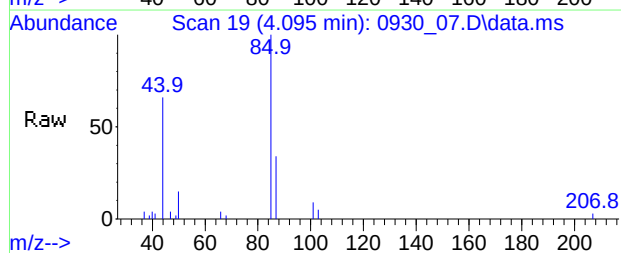
Quant Time: Sep 30 16:11:23 2025
Quant Method : H:\AIR2025\CHEM24\Methods\24_AIR_0923.M
Quant Title : VOA Standards for 5 point calibration
QLast Update : Wed Sep 24 13:58:02 2025
Response via : Initial Calibration





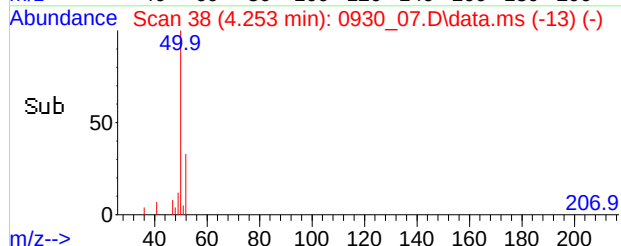
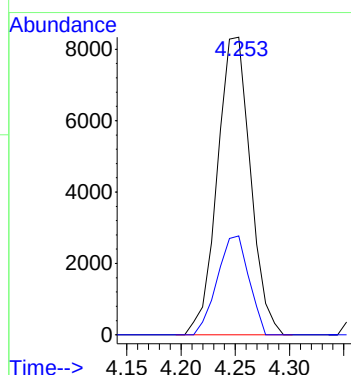
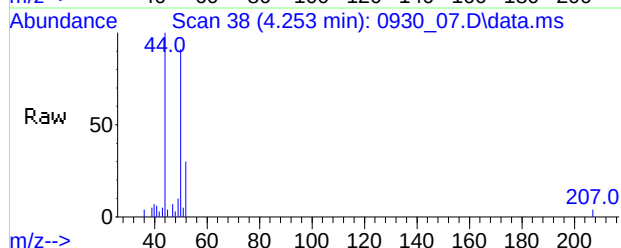
#3
Dichlorodifluoromethane
Conc: 8\$ 0.467 ppbv
RT: 4.095 min Scan# 19
Delta R.T. 0.000 min
Lab File: 0930_07.D
Acq: 30 Sep 2025 2:06 pm

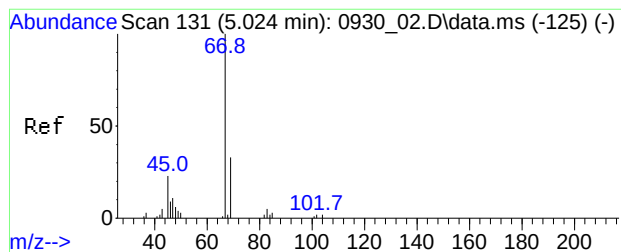
Tgt Ion: 85 Resp: 26464
Ion Ratio Lower Upper
85 100
87 31.8 26.9 40.3
50 14.8 12.0 18.0



#4
Chloromethane
Conc: 8\$ 0.687 ppbv
RT: 4.253 min Scan# 38
Delta R.T. 0.008 min
Lab File: 0930_07.D
Acq: 30 Sep 2025 2:06 pm

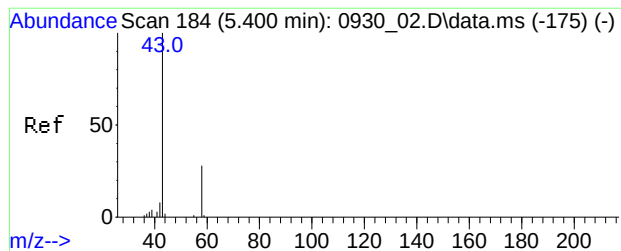
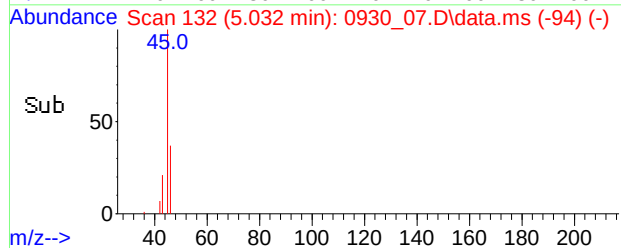
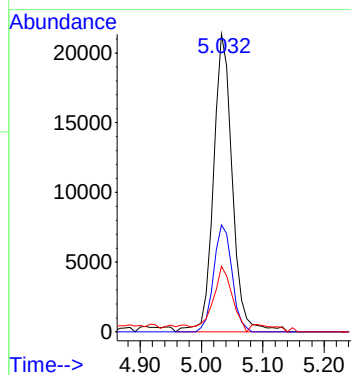
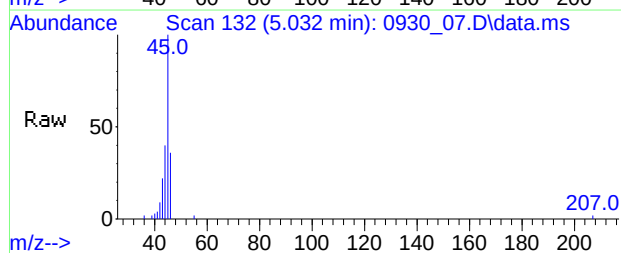
Tgt Ion: 50 Resp: 17608
Ion Ratio Lower Upper
50 100
52 31.7 12.8 52.8





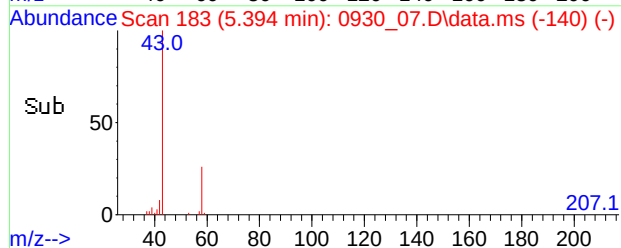
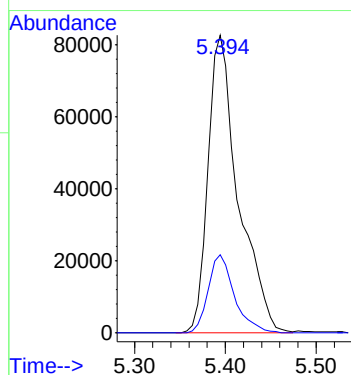
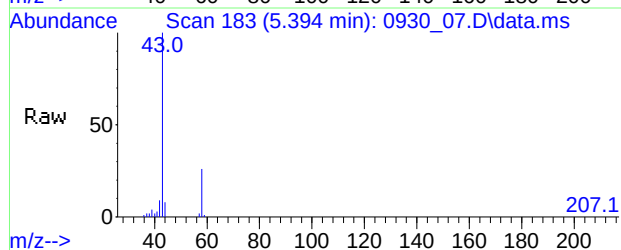
#11
Ethanol
Conc: 8\$ 5.049 ppbv
RT: 5.032 min Scan# 132
Delta R.T. 0.016 min
Lab File: 0930_07.D
Acq: 30 Sep 2025 2:06 pm

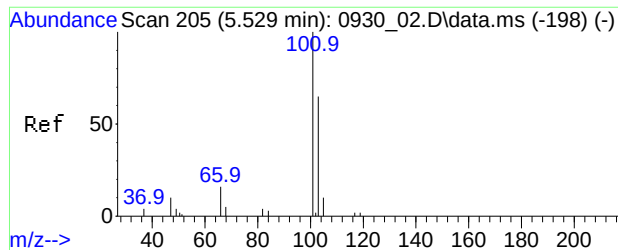
Tgt Ion:	45	Resp:	45655
Ion Ratio	Lower	Upper	
45	100		
46	34.8	25.0	37.6
43	22.5	20.0	30.0



#12
Acetone
Conc: 8\$ 4.491 ppbv
RT: 5.394 min Scan# 183
Delta R.T. -0.006 min
Lab File: 0930_07.D
Acq: 30 Sep 2025 2:06 pm

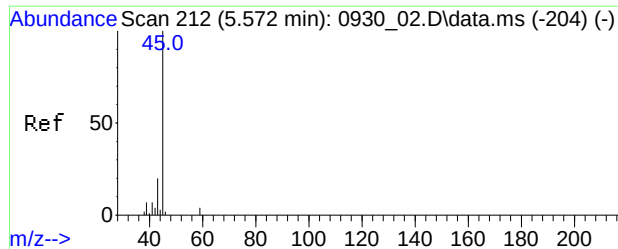
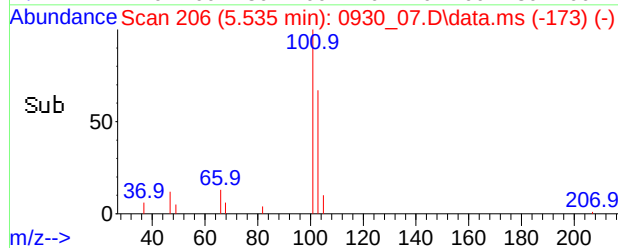
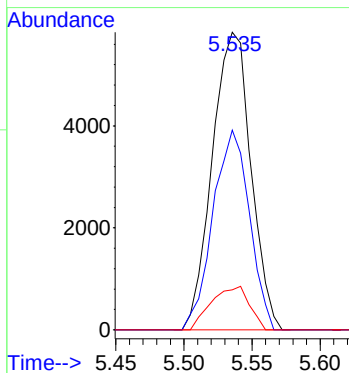
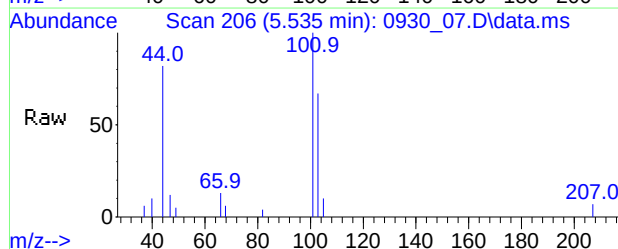
Tgt Ion:	43	Resp:	191906
Ion Ratio	Lower	Upper	
43	100		
58	22.7	24.6	37.0#





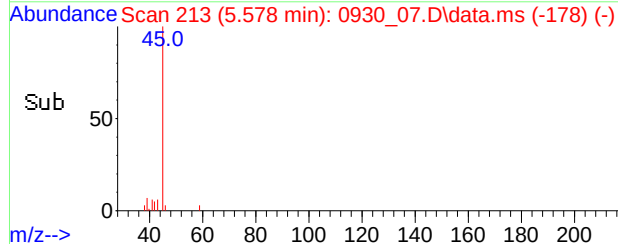
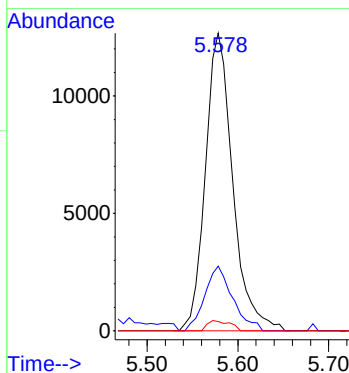
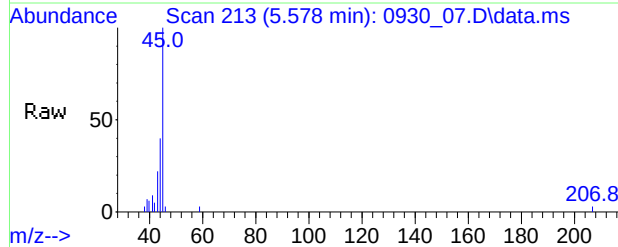
#13
Trichlorofluoromethane
Conc: 8\$ 0.220 ppbv
RT: 5.535 min Scan# 206
Delta R.T. 0.000 min
Lab File: 0930_07.D
Acq: 30 Sep 2025 2:06 pm

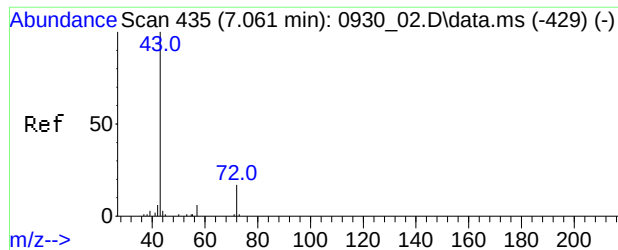
Tgt Ion: 101 Resp: 11514
Ion Ratio Lower Upper
101 100
103 63.3 53.4 80.2
66 14.3 9.3 13.9#



#14
Isopropylalcohol
Conc: 8\$ 0.530 ppbv
RT: 5.578 min Scan# 213
Delta R.T. 0.012 min
Lab File: 0930_07.D
Acq: 30 Sep 2025 2:06 pm

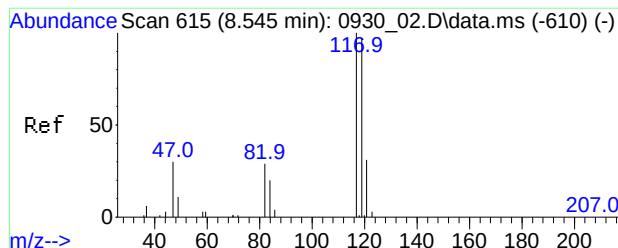
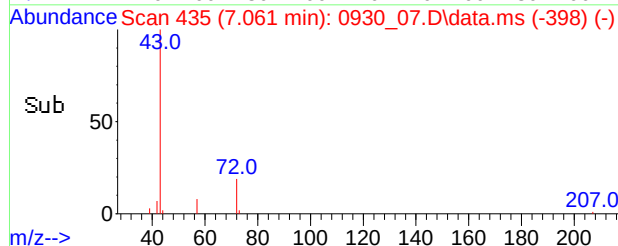
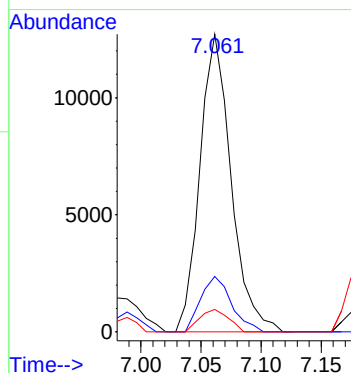
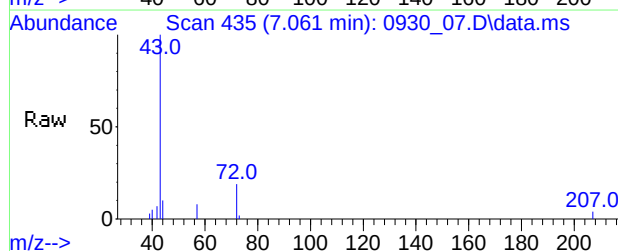
Tgt Ion: 45 Resp: 26557
Ion Ratio Lower Upper
45 100
43 22.2 13.3 19.9#
59 2.8 2.6 4.0





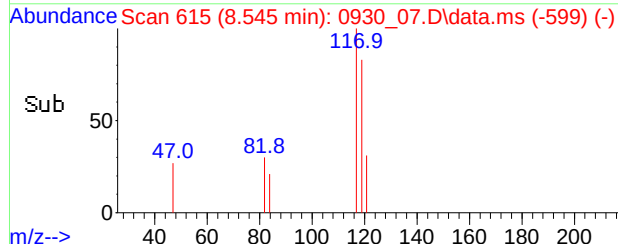
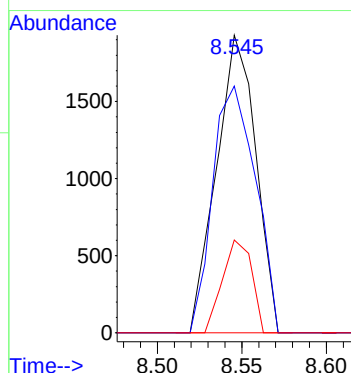
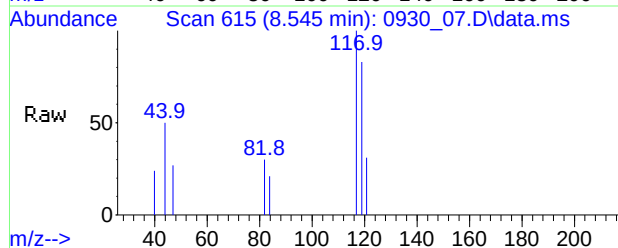
#25
Methyl Ethyl Ketone
Conc: 8\$ 0.381 ppbv
RT: 7.061 min Scan# 435
Delta R.T. 0.000 min
Lab File: 0930_07.D
Acq: 30 Sep 2025 2:06 pm

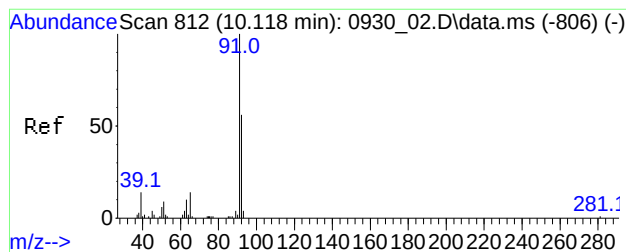
Tgt Ion: 43 Resp: 22963
Ion Ratio Lower Upper
43 100
72 18.4 13.1 19.7
57 6.9 6.6 9.8



#34
Carbon Tetrachloride
Conc: 8\$ Below Cal
RT: 8.545 min Scan# 615
Delta R.T. 0.000 min
Lab File: 0930_07.D
Acq: 30 Sep 2025 2:06 pm

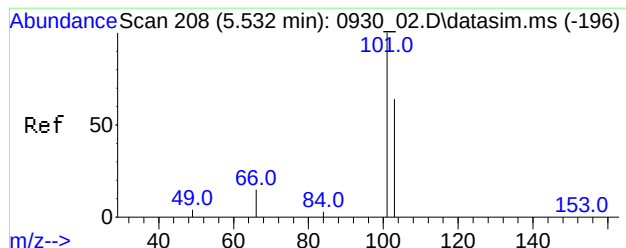
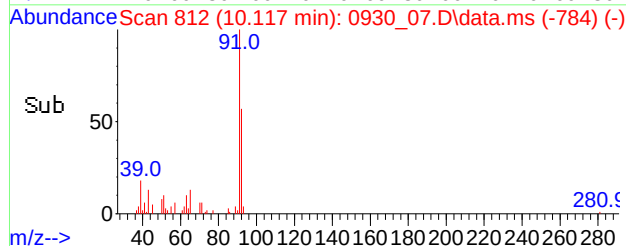
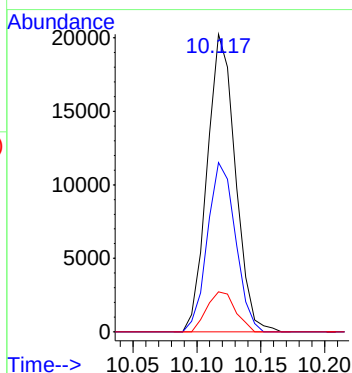
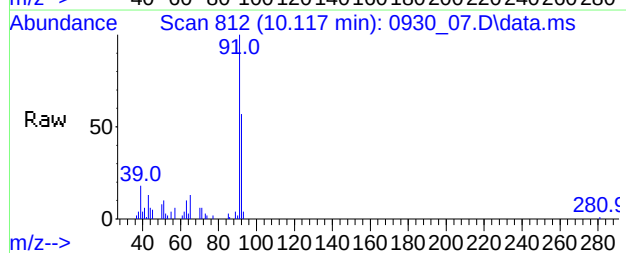
Tgt Ion: 117 Resp: 3134
Ion Ratio Lower Upper
117 100
119 89.9 76.5 116.5
121 23.2 11.2 51.2





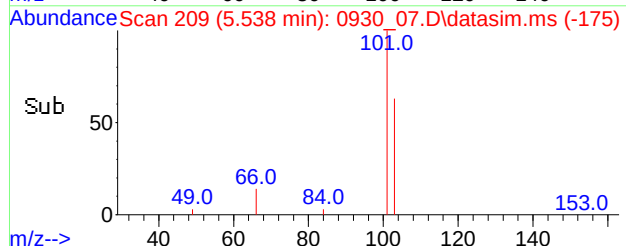
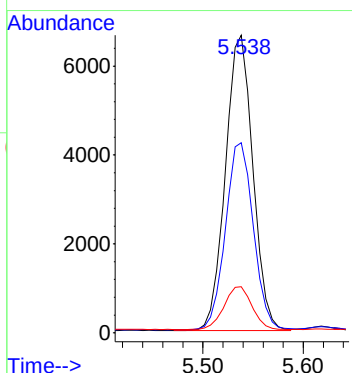
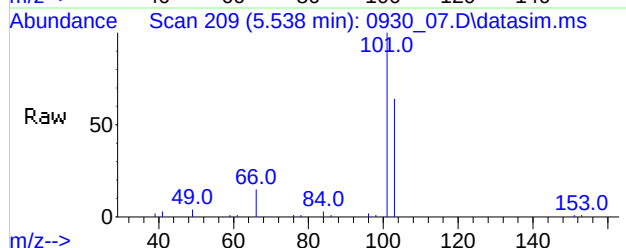
#48
Toluene
Conc: 8\$ 0.381 ppbv
RT: 10.117 min Scan# 812
Delta R.T. -0.000 min
Lab File: 0930_07.D
Acq: 30 Sep 2025 2:06 pm

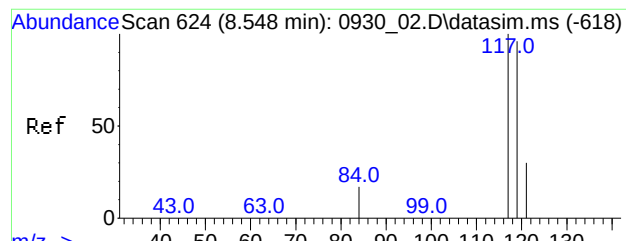
Tgt Ion: 91 Resp: 30949
Ion Ratio Lower Upper
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92 56.7 45.0 67.4
65 13.6 9.4 14.2



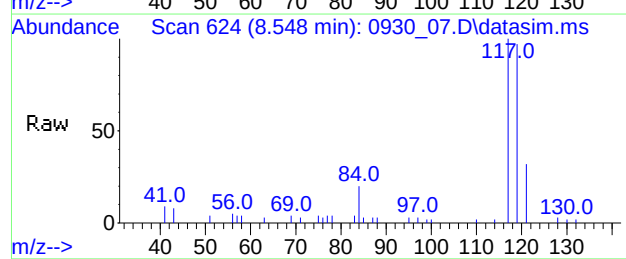
#84
Trichlorofluoromethane(sim)
Conc: 8\$ 0.215 ppbv
RT: 5.538 min Scan# 209
Delta R.T. 0.006 min
Lab File: 0930_07.D
Acq: 30 Sep 2025 2:06 pm

Tgt Ion: 101 Resp: 12619
Ion Ratio Lower Upper
101 100
103 64.4 52.4 78.6
66 14.7 11.4 11.4#

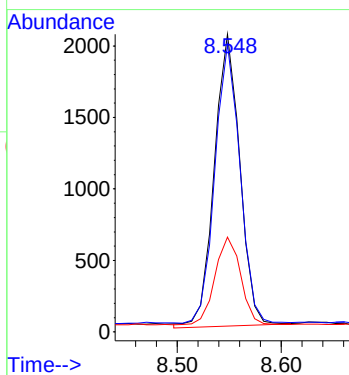
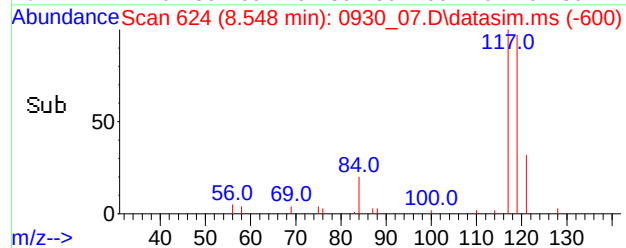




#88
Carbon Tetrachloride(sim)
Conc: 8\$ 0.079 ppbv
RT: 8.548 min Scan# 624
Delta R.T. 0.000 min
Lab File: 0930_07.D
Acq: 30 Sep 2025 2:06 pm



Tgt Ion: 117 Resp: 3471
Ion Ratio Lower Upper
117 100
119 93.2 77.4 116.2
121 30.0 24.9 37.3



1
AIR ANALYSIS DATA SHEET

CLIENT ID

Client:	<u>FPMGROUP</u>	Lab:	<u>Phoenix Env. Labs</u>	CV-IA-2
SDG No.:	<u>GCU37304</u>	Lab Sample ID:	<u>CU37308</u>	
Canister:	<u>28555</u>	Lab File ID:	<u>0930_16.D</u>	
Instrument:	<u>CHEM20</u>	Column:	<u>RTX-1 60M</u>	Date Received:
				<u>09/29/25</u>
Purge Volume	<u>200</u> (cc)	Date Analyzed:	<u>09/30/25</u>	
Matrix:	<u>AIR</u>	Dilution Factor:	<u>1</u>	

CONCENTRATION UNITS: (ppbv or ug/m3) ppbv

CAS NO.	COMPOUND	CONC.	Q	MDL	PQL	R
115-07-1	Propylene	0.581	U	0.581	0.581	r
75-71-8	Dichlorodifluoromethane	0.440		0.202	0.202	r
74-87-3	Chloromethane	0.671		0.485	0.485	r
106-99-0	1,3-Butadiene	0.452	U	0.452	0.452	r
75-00-3	Chloroethane	0.379	U	0.379	0.379	r
64-17-5	Ethanol	2810	ES	0.531	0.531	r
67-64-1	Acetone	24.5	S	0.421	0.421	r
67-63-0	Isopropylalcohol	1100	ES	0.407	0.407	r
107-13-1	Acrylonitrile	0.461	U	0.461	0.461	r
75-09-2	Methylene Chloride	0.863	U	0.863	0.863	r
75-15-0	Carbon Disulfide	0.321	U	0.321	0.321	r
1634-04-4	Methyl tert-butyl ether(MTBE)	0.278	U	0.278	0.278	r
78-93-3	Methyl Ethyl Ketone	0.670		0.339	0.339	r
110-54-3	Hexane	0.311	S	0.284	0.284	r
141-78-6	Ethyl acetate	0.681		0.278	0.278	r
109-99-9	Tetrahydrofuran	0.339	U	0.339	0.339	r
110-82-7	Cyclohexane	0.291	U	0.291	0.291	r
540-84-1	2,2,4-trimethylpentane	0.215	U	0.215	0.215	r
142-82-5	Heptane	0.244	U	0.244	0.244	r
108-10-1	4-Methyl-2-pentanone(MIBK)	0.340		0.244	0.244	r
10061-02-6	trans-1,3-Dichloropropene	0.221	U	0.221	0.221	r
108-88-3	Toluene	2.63		0.266	0.266	r
591-78-6	2-Hexanone(MBK)	0.244	U	0.244	0.244	r
630-20-6	1,1,1,2-Tetrachloroethane	0.146	U	0.146	0.146	r
108-90-7	Chlorobenzene	0.217	U	0.217	0.217	r
100-41-4	Ethylbenzene	0.230	U	0.230	0.230	r
100-42-5	Styrene	0.235	U	0.235	0.235	r
95-47-6	o-Xylene	0.230	U	0.230	0.230	r
98-82-8	Isopropylbenzene	0.204	U	0.204	0.204	r
622-96-8	4-Ethyltoluene	0.204	U	0.204	0.204	r
108-67-8	1,3,5-Trimethylbenzene	0.204	U	0.204	0.204	r
95-63-6	1,2,4-Trimethylbenzene	0.204	U	0.204	0.204	r
91-20-3	Naphthalene	0.200	U	0.200	0.200	r
76-14-2	1,2-Dichlorotetrafluoroethane(sim)	0.143	U	0.143	0.143	r
75-01-4	Vinyl Chloride(sim)	0.078	U	0.078	0.078	r
74-83-9	Bromomethane(sim)	0.258	U	0.258	0.258	r

FORM I AIR

r=Result Reported U=Not Detected D=Reported Dilution E/J=Estimated Value X=Not Used S=Lab Solvent

1
AIR ANALYSIS DATA SHEET

CLIENT ID

CV-IA-2

Client: FPMGROUP Lab: Phoenix Env. Labs

SDG No.: GCU37304 Lab Sample ID: CU37308

Canister: 28555 Lab File ID: 0930_16.D

Instrument: CHEM20 Column: RTX-1 60M Date Received: 09/29/25

Purge Volume 200 (cc) Date Analyzed: 09/30/25

Matrix: AIR Dilution Factor: 1

CONCENTRATION UNITS: (ppbv or ug/m3) ppbv

CAS NO.	COMPOUND	CONC.	Q	MDL	PQL	R
75-69-4	Trichlorofluoromethane(sim)	0.178	U	0.178	0.178	r
107-06-2	1,2-Dichloroethane(sim)	0.247	U	0.247	0.247	r
71-55-6	1,1,1-Trichloroethane(sim)	0.183	U	0.183	0.183	r
71-43-2	Benzene(sim)	0.313	U	0.313	0.313	r
56-23-5	Carbon Tetrachloride(sim)	0.066		0.032	0.032	r
75-35-4	1,1-Dichloroethene(sim)	0.051	U	0.051	0.051	r
76-13-1	Trichlorotrifluoroethane(sim)	0.131	U	0.131	0.131	r
156-60-5	Trans-1,2-Dichloroethene(sim)	0.252	U	0.252	0.252	r
75-34-3	1,1-Dichloroethane(sim)	0.247	U	0.247	0.247	r
156-59-2	Cis-1,2-Dichloroethene(sim)	0.051	U	0.051	0.051	r
67-66-3	Chloroform(sim)	0.205	U	0.205	0.205	r
78-87-5	1,2-dichloropropane(sim)	0.217	U	0.217	0.217	r
75-27-4	Bromodichloromethane(sim)	0.149	U	0.149	0.149	r
79-01-6	Trichloroethene(sim)	0.037	U	0.037	0.037	r
123-91-1	1,4-Dioxane(sim)	0.278	U	0.278	0.278	r
10061-01-5	cis-1,3-Dichloropropene(sim)	0.221	U	0.221	0.221	r
79-00-5	1,1,2-Trichloroethane(sim)	0.183	U	0.183	0.183	r
124-48-1	Dibromochloromethane(sim)	0.118	U	0.118	0.118	r
106-93-4	1,2-Dibromoethane(EDB)(sim)	0.130	U	0.130	0.130	r
127-18-4	Tetrachloroethene(sim)	0.037	U	0.037	0.037	r
75-25-2	Bromoform(sim)	0.097	U	0.097	0.097	r
179601-23-1	m,p-Xylene(sim)	0.370		0.230	0.230	r
79-34-5	1,1,2,2-Tetrachloroethane(sim)	0.146	U	0.146	0.146	r
100-44-7	Benzyl chloride(sim)	0.193	U	0.193	0.193	r
541-73-1	1,3-Dichlorobenzene(sim)	0.166	U	0.166	0.166	r
106-46-7	1,4-Dichlorobenzene(sim)	0.166	U	0.166	0.166	r
135-98-8	sec-Butylbenzene(sim)	0.182	U	0.182	0.182	r
99-87-6	4-Isopropyltoluene(sim)	0.182	U	0.182	0.182	r
95-50-1	1,2-Dichlorobenzene(sim)	0.166	U	0.166	0.166	r
104-51-8	n-Butylbenzene(sim)	0.182	U	0.182	0.182	r
120-82-1	1,2,4-Trichlorobenzene(sim)	0.135	U	0.135	0.135	r
87-68-3	Hexachlorobutadiene(sim)	0.094	U	0.094	0.094	r

FORM I AIR

r=Result Reported U=Not Detected D=Reported Dilution E/J=Estimated Value X=Not Used S=Lab Solvent

Data Path : H:\AIR2025\CHEM20\09SEP\29\
 Data File : 0930_16.D
 Acq On : 30 Sep 2025 10:30 pm
 Operator :
 Client ID : CV-IA-2
 Lab ID : CU37308
 ALS Vial : 18 Sample Multiplier: 1

Quant Time: Oct 01 05:06:58 2025
 Quant Method : H:\AIR2025\CHEM20\Methods\20_AIR_0909.M
 Quant Title : VOA Standards for 5 point calibration
 QLast Update : Tue Sep 30 13:55:37 2025
 Response via : Initial Calibration

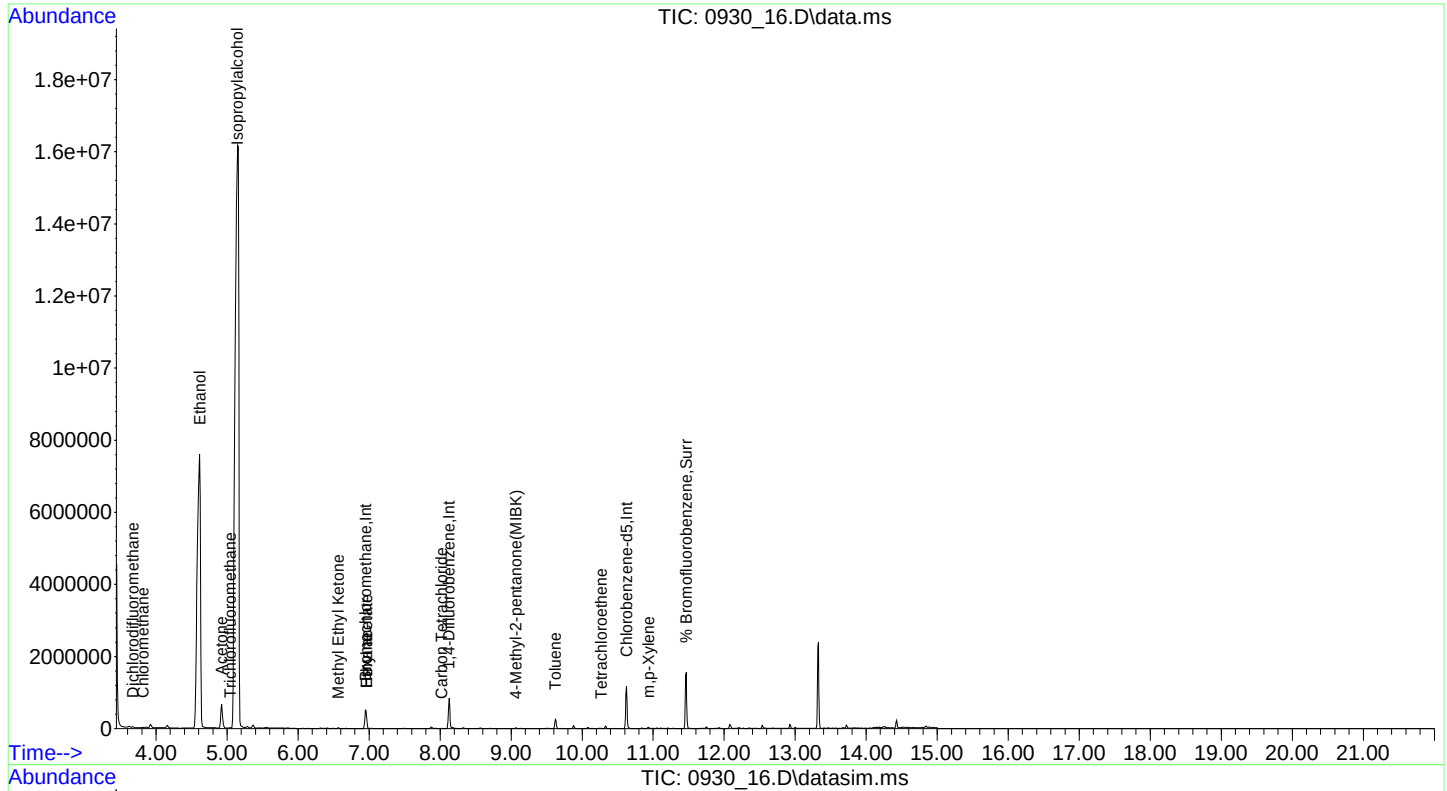
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

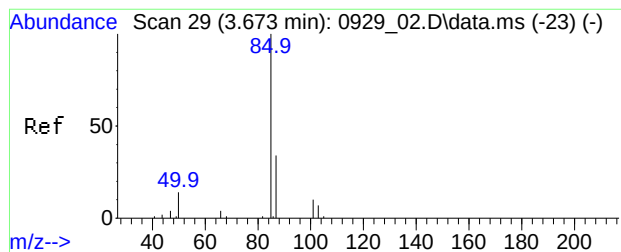
Internal Standards						
1) Bromochloromethane	6.949	130	164445	10.000	ng	0.00
36) 1,4-Difluorobenzene	8.126	114	559093	10.000	ng	0.00
53) Chlorobenzene-d5	10.624	82	277429	10.000	ng	0.00
78) Bromochloromethane(sim)	6.952	130	183047	10.000	ng	# 0.00
93) 1,4-Difluorobenzene(sim)	8.126	114	559093	10.000	ng	0.00
103) Chlorobenzene-d5(sim)	10.624	82	277429	10.000	ng	0.00
System Monitoring Compounds						
62) % Bromofluorobenzene	11.466	95	378732	10.348	ppbv	0.00
Spiked Amount	10.000	Range	70 - 130	Recovery	=	103.50%
Target Compounds						
					Qvalue	
3) Dichlorodifluoromethane	3.673	85	19915	0.440	ppbv	97
4) Chloromethane	3.811	50	10092	0.671	ppbv	90
11) Ethanol	4.614	45	14335602	2814.359	ppbv#	42
12) Acetone	4.922	43	742852	24.464	ppbv#	81
13) Trichlorofluoromethane	5.044	101	8998	0.196	ppbv	97
14) Isopropylalcohol	5.141	45	33710800	1098.823	ppbv#	93
25) Methyl Ethyl Ketone	6.568	43	23415	0.670	ppbv#	93
27) Hexane	6.964	57	6773	0.311	ppbv#	77
29) Ethyl acetate	6.964	61	3455	0.681	ppbv	89
34) Carbon Tetrachloride	8.022	117	3258	0.078	ppbv	90
45) 4-Methyl-2-pentanone(M...	9.068	43	14186	0.340	ppbv#	84
48) Toluene	9.624	91	149420	2.632	ppbv	98
52) Tetrachloroethene	10.271	166	1513	0.039	ppbv	87
57) m,p-Xylene	10.935	91	20962	0.398	ppbv	100
86] Carbon Tetrachloride(sim)	8.025	117	3428	0.066	ppbv	98
102] Tetrachloroethene(sim)	10.267	166	1750	0.035	ppbv	94
105] m,p-Xylene(sim)	10.935	91	20962	0.370	ppbv#	90

(#)out of range (m)manual integration reviewed by analyst (+)signals summed

Data Path : H:\AIR2025\CHEM20\09SEP\29\
Data File : 0930_16.D
Acq On : 30 Sep 2025 10:30 pm
Operator :
Client ID : CV-IA-2
Lab ID : CU37308
ALS Vial : 18 Sample Multiplier: 1

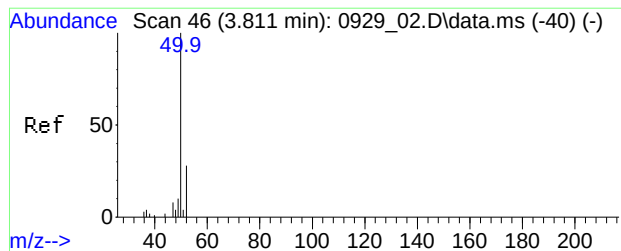
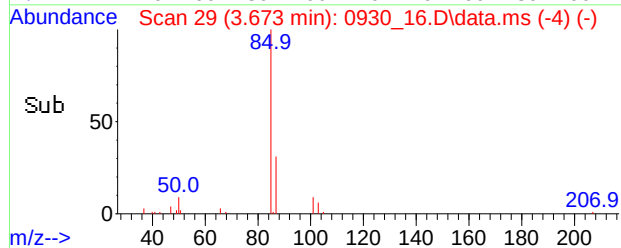
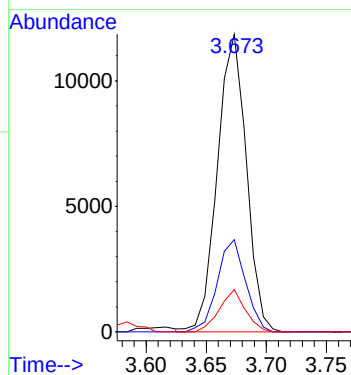
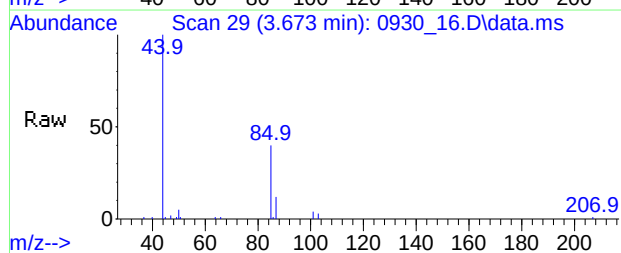
Quant Time: Oct 01 05:06:58 2025
Quant Method : H:\AIR2025\CHEM20\Methods\20_AIR_0909.M
Quant Title : VOA Standards for 5 point calibration
QLast Update : Tue Sep 30 13:55:37 2025
Response via : Initial Calibration





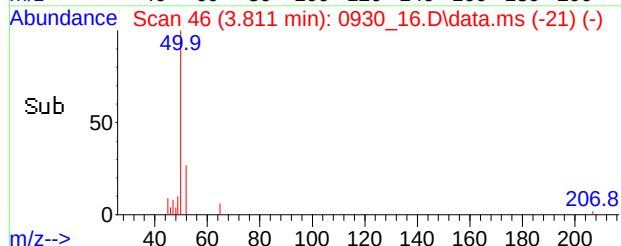
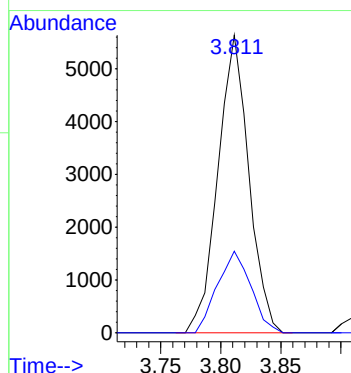
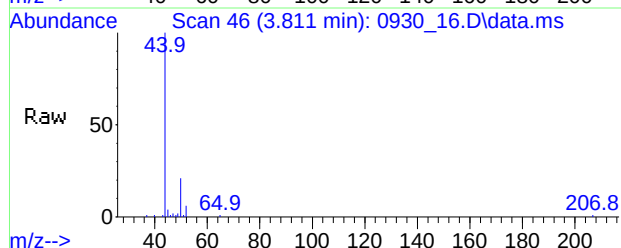
#3
Dichlorodifluoromethane
Conc: 8\$ 0.440 ppbv
RT: 3.673 min Scan# 29
Delta R.T. 0.000 min
Lab File: 0930_16.D
Acq: 30 Sep 2025 10:30 pm

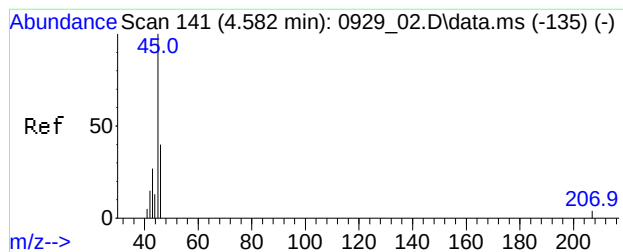
Tgt Ion:	85	Resp:	19915
Ion	Ratio	Lower	Upper
85	100		
87	30.3	25.8	38.8
50	12.7	10.6	15.8



#4
Chloromethane
Conc: 8\$ 0.671 ppbv
RT: 3.811 min Scan# 46
Delta R.T. 0.000 min
Lab File: 0930_16.D
Acq: 30 Sep 2025 10:30 pm

Tgt Ion:	50	Resp:	10092
Ion	Ratio	Lower	Upper
50	100		
52	29.7	15.5	55.5

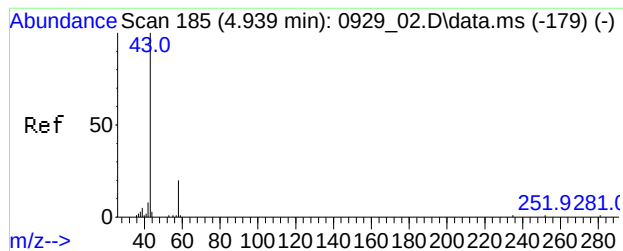
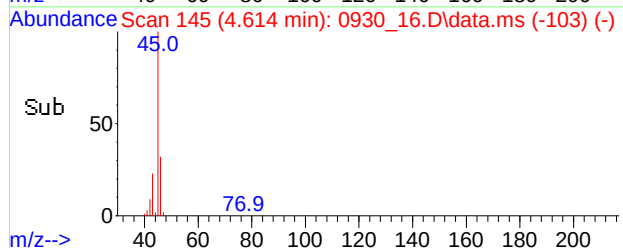
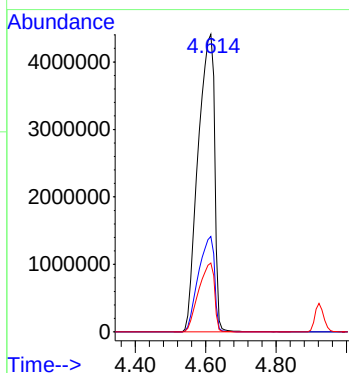
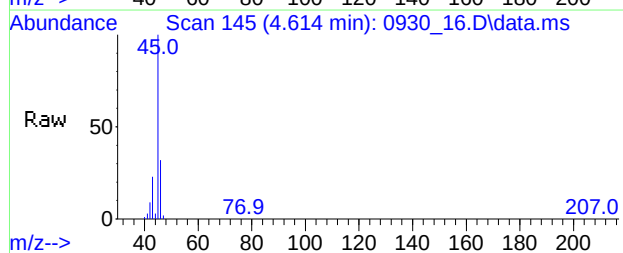




#11
Ethanol
Conc: 8\$ 2814.359 ppbv
RT: 4.614 min Scan# 145
Delta R.T. 0.041 min
Lab File: 0930_16.D
Acq: 30 Sep 2025 10:30 pm

Tgt Ion: 45 Resp: 14335602

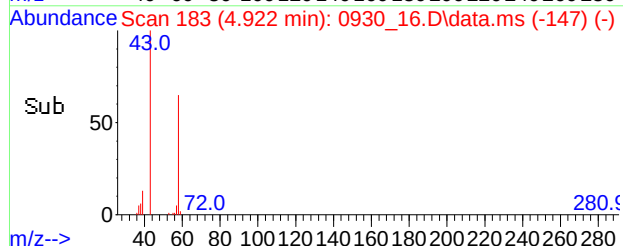
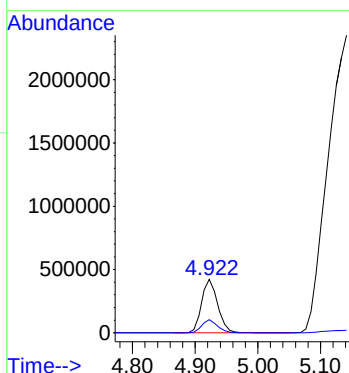
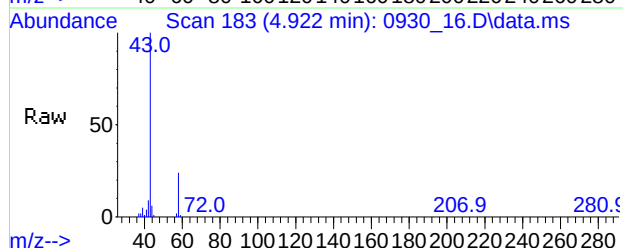
Ion	Ratio	Lower	Upper
45	100		
46	31.3	0.6	0.8#
43	22.3	0.0	0.0#

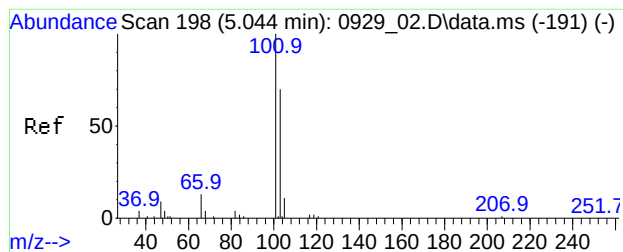


#12
Acetone
Conc: 8\$ 24.464 ppbv
RT: 4.922 min Scan# 183
Delta R.T. -0.008 min
Lab File: 0930_16.D
Acq: 30 Sep 2025 10:30 pm

Tgt Ion: 43 Resp: 742852

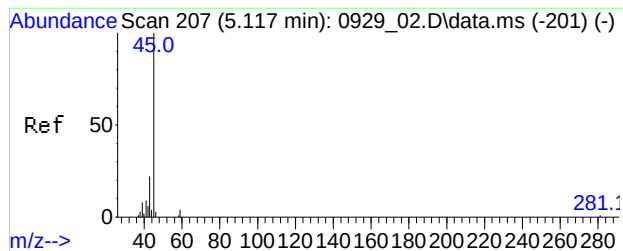
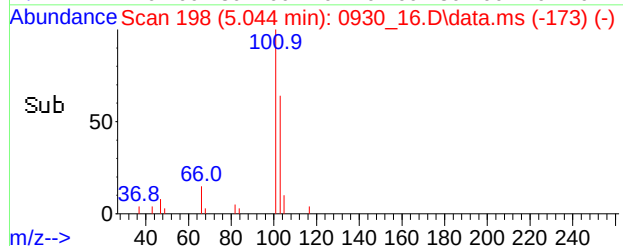
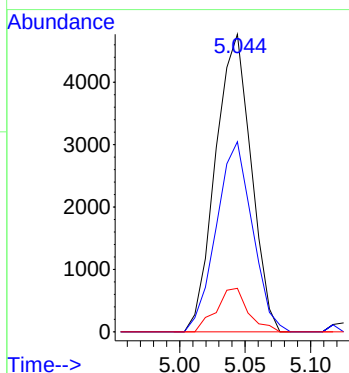
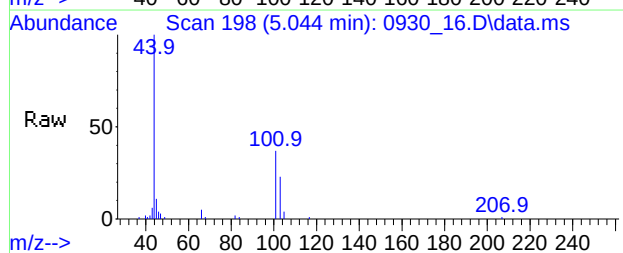
Ion	Ratio	Lower	Upper
43	100		
58	24.3	0.2	0.2#





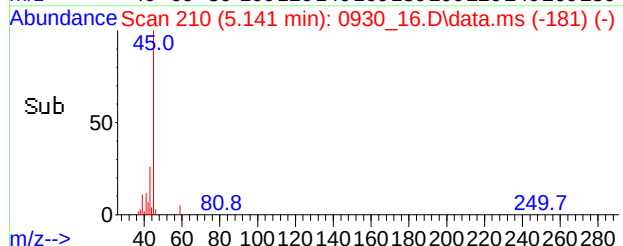
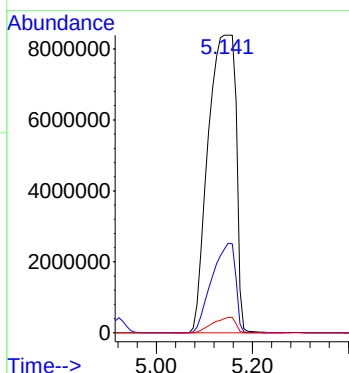
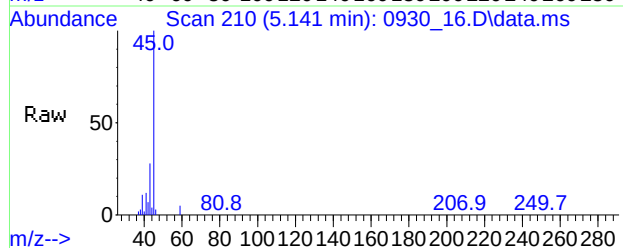
#13
Trichlorofluoromethane
Conc: 8\$ 0.196 ppbv
RT: 5.044 min Scan# 198
Delta R.T. 0.000 min
Lab File: 0930_16.D
Acq: 30 Sep 2025 10:30 pm

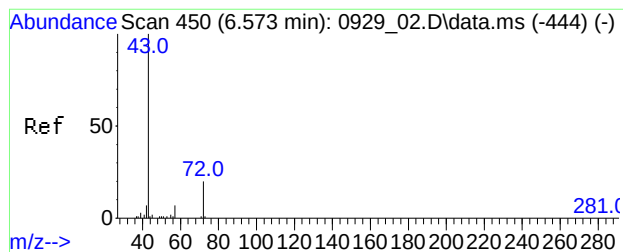
Tgt Ion: 101 Resp: 8998
Ion Ratio Lower Upper
101 100
103 64.8 49.8 74.8
66 13.2 12.1 18.1



#14
Isopropylalcohol
Conc: 8\$ 1098.823 ppbv
RT: 5.141 min Scan# 210
Delta R.T. 0.033 min
Lab File: 0930_16.D
Acq: 30 Sep 2025 10:30 pm

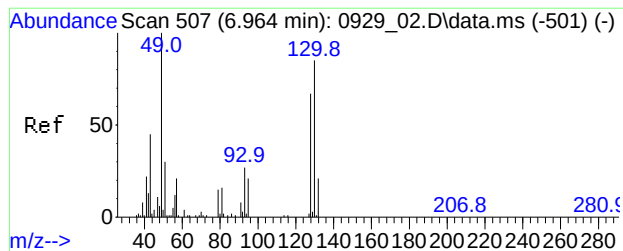
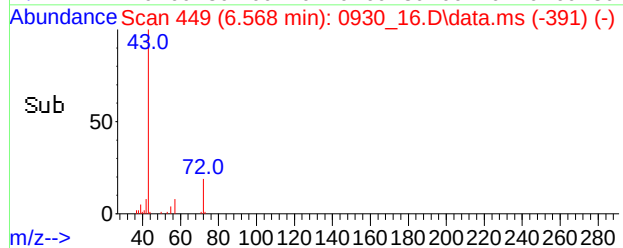
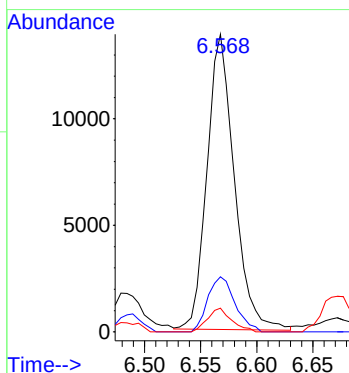
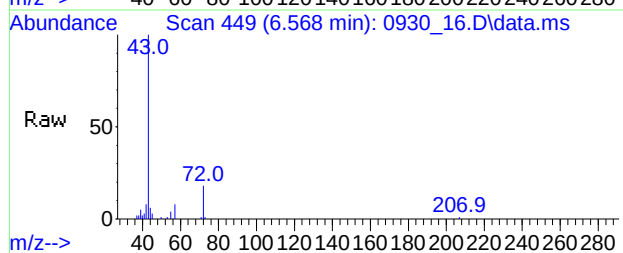
Tgt Ion: 45 Resp: 33710800
Ion Ratio Lower Upper
45 100
43 25.6 0.0 0.0#
59 4.3 0.6 1.0#





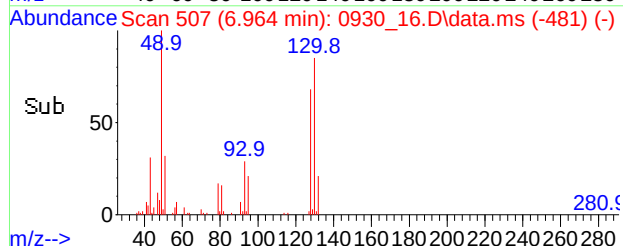
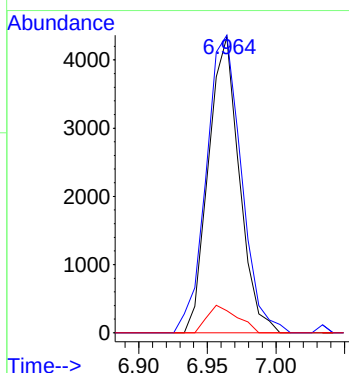
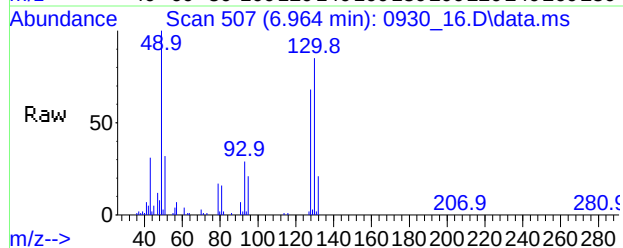
#25
Methyl Ethyl Ketone
Conc: 8\$ 0.670 ppbv
RT: 6.568 min Scan# 449
Delta R.T. 0.000 min
Lab File: 0930_16.D
Acq: 30 Sep 2025 10:30 pm

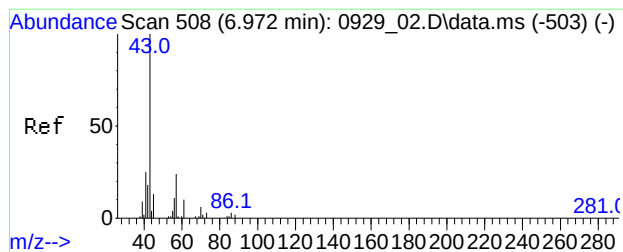
Tgt Ion: 43 Resp: 23415
Ion Ratio Lower Upper
43 100
72 18.6 0.0 0.0#
57 7.1 0.2 0.4#



#27
Hexane
Conc: 8\$ 0.311 ppbv
RT: 6.964 min Scan# 507
Delta R.T. 0.000 min
Lab File: 0930_16.D
Acq: 30 Sep 2025 10:30 pm

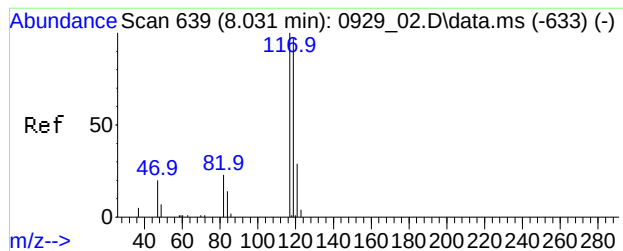
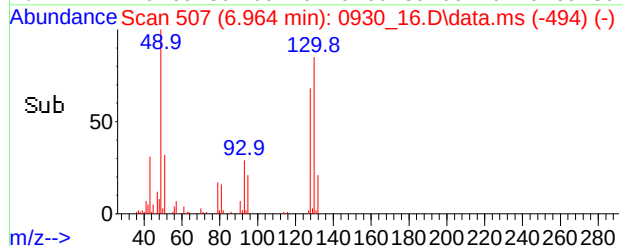
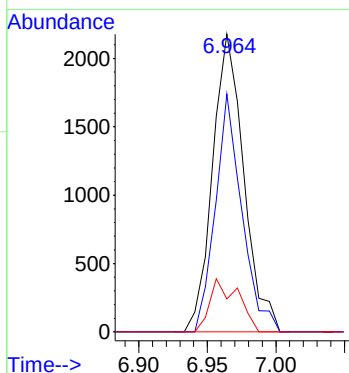
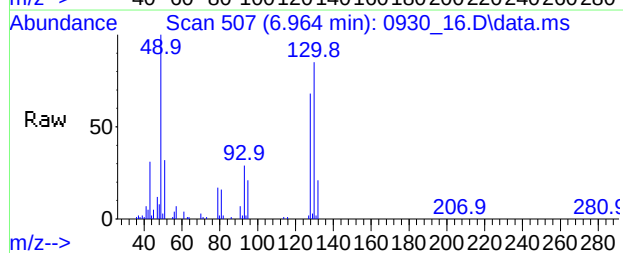
Tgt Ion: 57 Resp: 6773
Ion Ratio Lower Upper
57 100
41 114.6 73.0 109.6#
86 9.0 9.8 14.8#





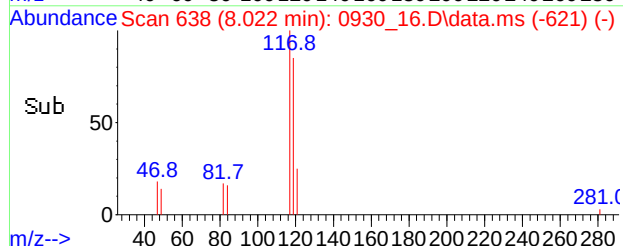
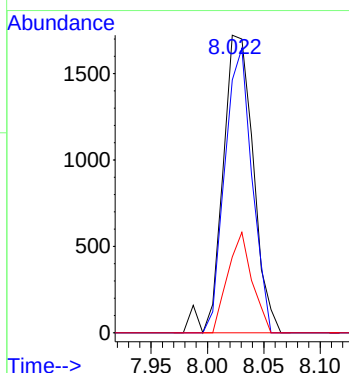
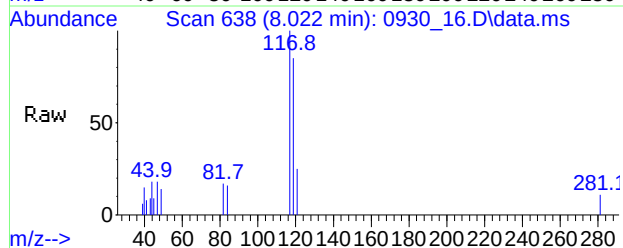
#29
Ethyl acetate
Conc: 8\$ 0.681 ppbv
RT: 6.964 min Scan# 507
Delta R.T. 0.000 min
Lab File: 0930_16.D
Acq: 30 Sep 2025 10:30 pm

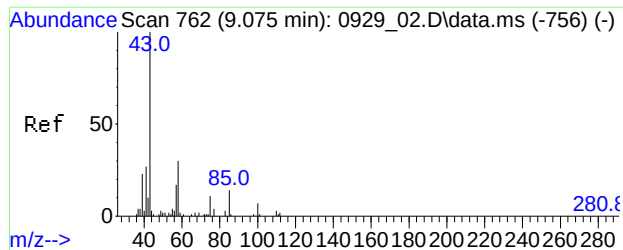
Tgt Ion: 61 Resp: 3455
Ion Ratio Lower Upper
61 100
70 67.7 62.8 94.2
88 16.1 14.7 22.1



#34
Carbon Tetrachloride
Conc: 8\$ Below Cal
RT: 8.022 min Scan# 638
Delta R.T. 0.000 min
Lab File: 0930_16.D
Acq: 30 Sep 2025 10:30 pm

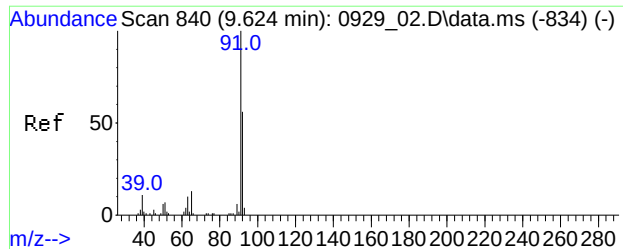
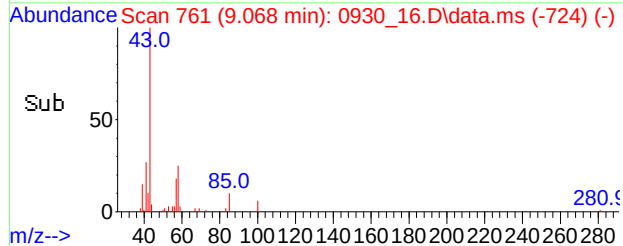
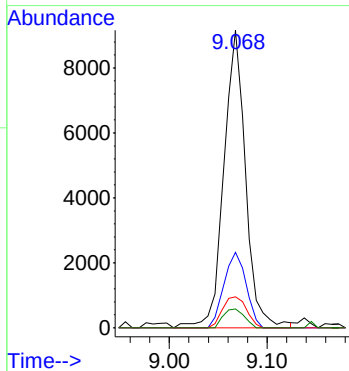
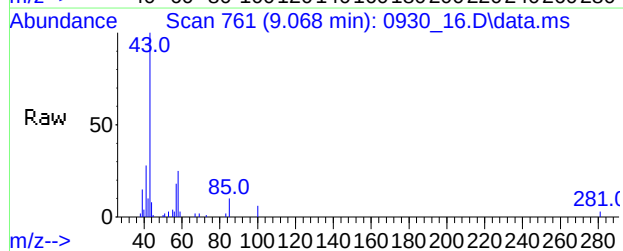
Tgt Ion: 117 Resp: 3258
Ion Ratio Lower Upper
117 100
119 85.1 74.9 114.9
121 26.9 11.2 51.2





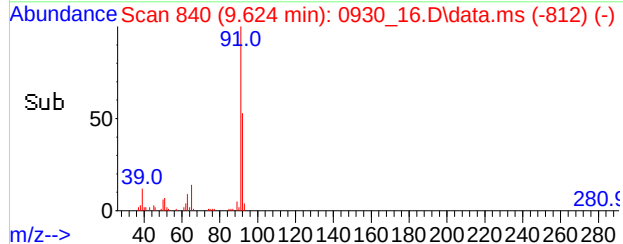
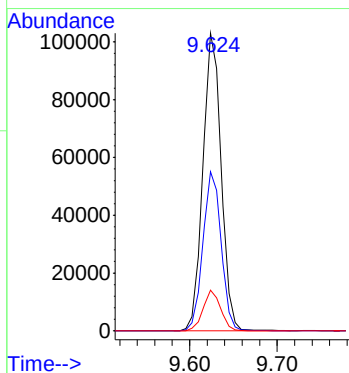
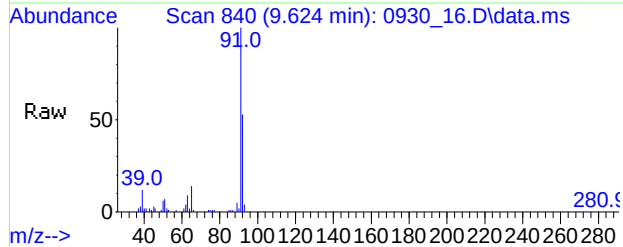
#45
4-Methyl-2-pentanone(MIBK)
Conc: 8\$ 0.340 ppbv
RT: 9.068 min Scan# 761
Delta R.T. 0.000 min
Lab File: 0930_16.D
Acq: 30 Sep 2025 10:30 pm

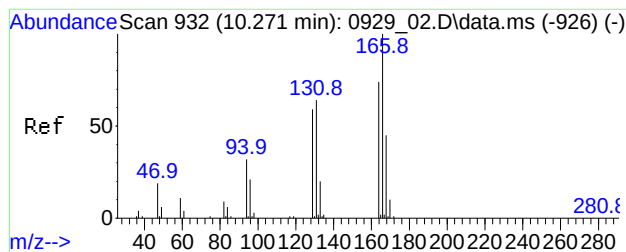
Tgt Ion:	43	Resp:	14186
Ion	Ratio	Lower	Upper
43	100		
58	25.8	28.6	43.0#
85	11.5	15.4	23.0#
100	6.1	7.4	11.0#



#48
Toluene
Conc: 8\$ 2.632 ppbv
RT: 9.624 min Scan# 840
Delta R.T. 0.000 min
Lab File: 0930_16.D
Acq: 30 Sep 2025 10:30 pm

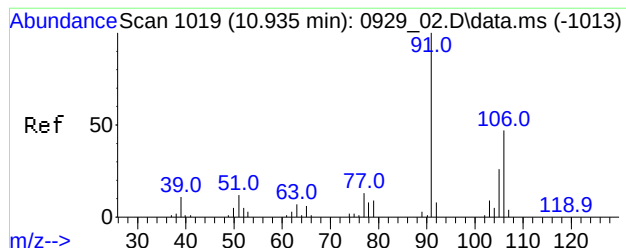
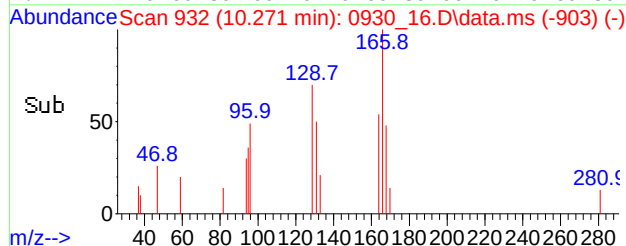
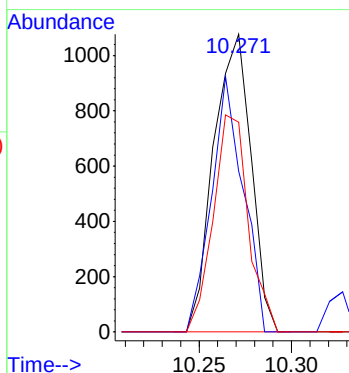
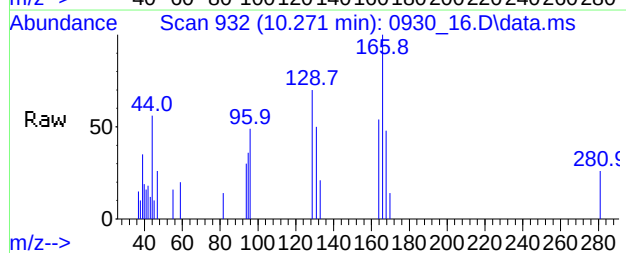
Tgt Ion:	91	Resp:	149420
Ion	Ratio	Lower	Upper
91	100		
92	53.3	43.8	65.8
65	13.1	10.6	16.0





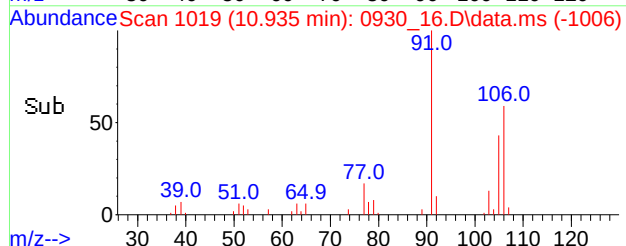
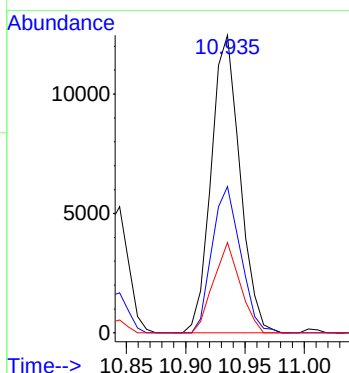
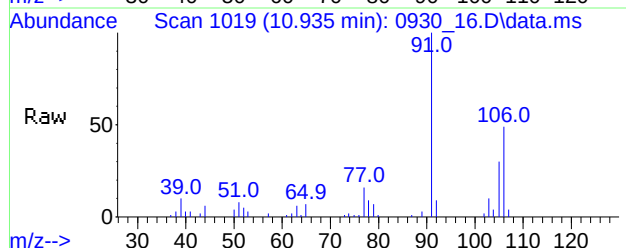
#52
Tetrachloroethene
Conc: 8\$ Below Cal
RT: 10.271 min Scan# 932
Delta R.T. 0.007 min
Lab File: 0930_16.D
Acq: 30 Sep 2025 10:30 pm

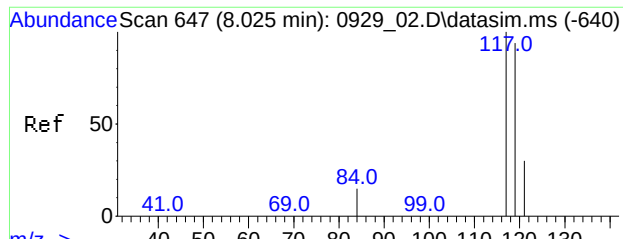
Tgt Ion: 166 Resp: 1513
Ion Ratio Lower Upper
166 100
164 72.8 63.4 95.2
129 68.4 68.4 102.6



#57
m,p-Xylene
Conc: 8\$ 0.398 ppbv
RT: 10.935 min Scan# 1019
Delta R.T. 0.000 min
Lab File: 0930_16.D
Acq: 30 Sep 2025 10:30 pm

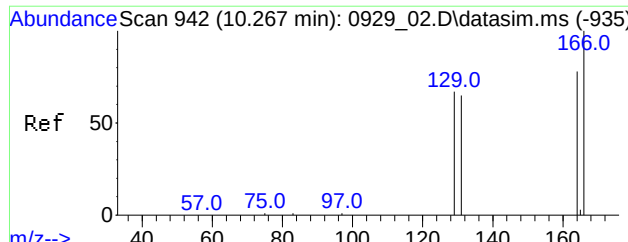
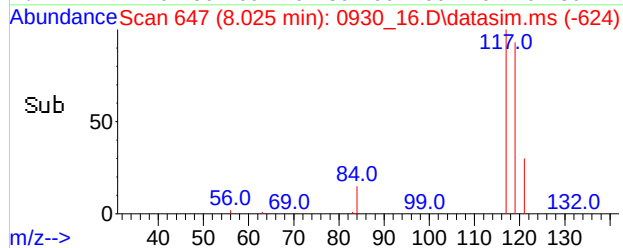
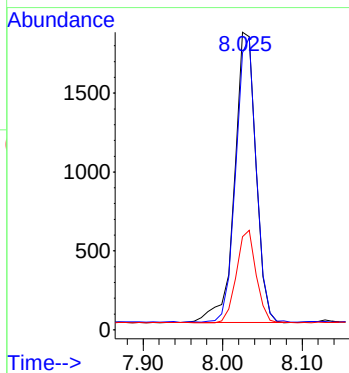
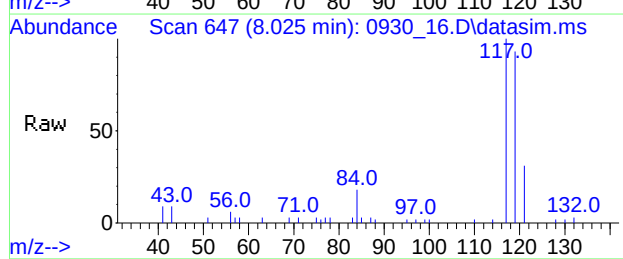
Tgt Ion: 91 Resp: 20962
Ion Ratio Lower Upper
91 100
106 48.9 0.0 0.0#
105 28.3 0.0 0.0#





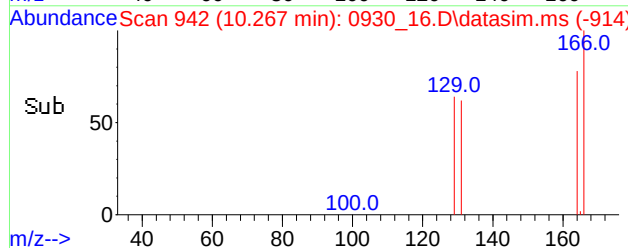
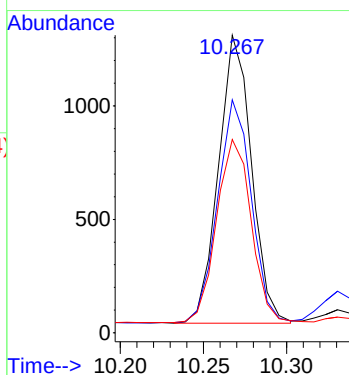
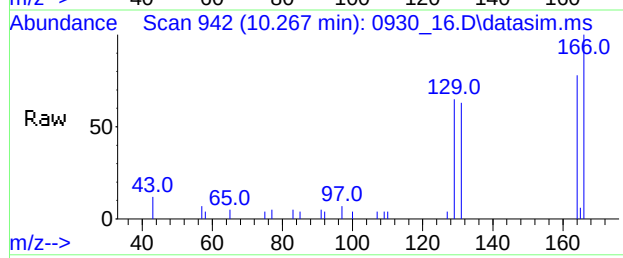
#86
Carbon Tetrachloride(sim)
Conc: 8\$ 0.066 ppbv
RT: 8.025 min Scan# 647
Delta R.T. 0.000 min
Lab File: 0930_16.D
Acq: 30 Sep 2025 10:30 pm

Tgt Ion: 117 Resp: 3428
Ion Ratio Lower Upper
117 100
119 93.6 76.6 115.0
121 29.6 24.2 36.4

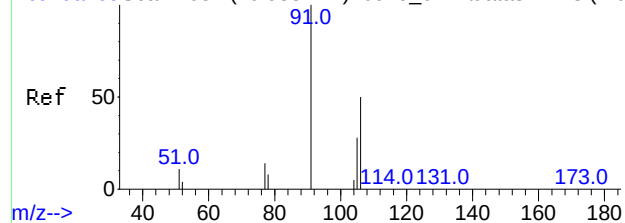


#102
Tetrachloroethene(sim)
Conc: 8\$ 0.035 ppbv
RT: 10.267 min Scan# 942
Delta R.T. 0.000 min
Lab File: 0930_16.D
Acq: 30 Sep 2025 10:30 pm

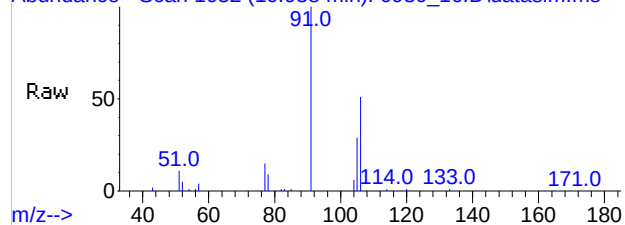
Tgt Ion: 166 Resp: 1750
Ion Ratio Lower Upper
166 100
164 78.9 54.6 94.6
129 66.7 52.2 92.2



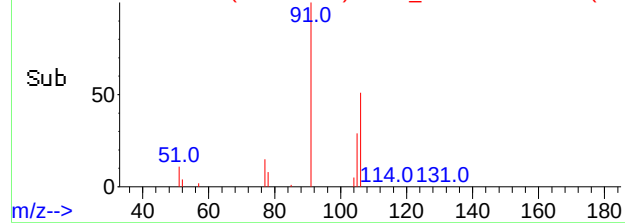
Abundance Scan 1032 (10.938 min): 0929_02.D\data.ms (-10



m/z--> Abundance Scan 1032 (10.938 min): 0930_16.D\data.ms



m/z--> Abundance Scan 1032 (10.938 min): 0930_16.D\data.ms (-10

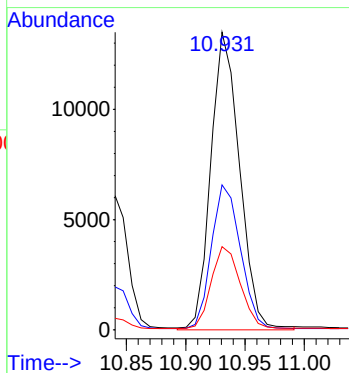


m/z-->

#105

m,p-Xylene(sim)
Conc: 8\$ 0.370 ppbv
RT: 10.935 min Scan# 1032
Delta R.T. 0.000 min
Lab File: 0930_16.D
Acq: 30 Sep 2025 10:30 pm

Tgt Ion: 91	Resp: 20962
Ion Ratio	Lower Upper
91	100
106	48.9 39.6 48.4#
105	28.3 16.6 24.8#



1
AIR ANALYSIS DATA SHEET

CLIENT ID

Client:	<u>FPMGROUP</u>	Lab:	<u>Phoenix Env. Labs</u>	PT-IA-1
SDG No.:	<u>GCU37304</u>	Lab Sample ID:	<u>CU37309</u>	
Canister:	<u>49205</u>	Lab File ID:	<u>0930_12.D</u>	
Instrument:	<u>CHEM20</u>	Column:	<u>RTX-1 60M</u>	Date Received:
				<u>09/29/25</u>
Purge Volume	<u>200</u> (cc)	Date Analyzed:	<u>09/30/25</u>	
Matrix:	<u>AIR</u>	Dilution Factor:	<u>1</u>	

CONCENTRATION UNITS: (ppbv or ug/m3) ppbv

CAS NO.	COMPOUND	CONC.	Q	MDL	PQL	R
115-07-1	Propylene	0.581	U	0.581	0.581	r
75-71-8	Dichlorodifluoromethane	0.389		0.202	0.202	r
74-87-3	Chloromethane	0.554		0.485	0.485	r
106-99-0	1,3-Butadiene	0.452	U	0.452	0.452	r
75-00-3	Chloroethane	0.379	U	0.379	0.379	r
64-17-5	Ethanol	1460	ES	0.531	0.531	r
67-64-1	Acetone	26.1	S	0.421	0.421	r
67-63-0	Isopropylalcohol	1760	ES	0.407	0.407	r
107-13-1	Acrylonitrile	0.461	U	0.461	0.461	r
75-09-2	Methylene Chloride	0.979	S	0.863	0.863	r
75-15-0	Carbon Disulfide	0.321	U	0.321	0.321	r
1634-04-4	Methyl tert-butyl ether(MTBE)	0.278	U	0.278	0.278	r
78-93-3	Methyl Ethyl Ketone	0.811		0.339	0.339	r
110-54-3	Hexane	0.284	U	0.284	0.284	r
141-78-6	Ethyl acetate	0.496		0.278	0.278	r
109-99-9	Tetrahydrofuran	0.339	U	0.339	0.339	r
110-82-7	Cyclohexane	0.291	U	0.291	0.291	r
540-84-1	2,2,4-trimethylpentane	0.215	U	0.215	0.215	r
142-82-5	Heptane	0.244	U	0.244	0.244	r
108-10-1	4-Methyl-2-pentanone(MIBK)	0.244	U	0.244	0.244	r
10061-02-6	trans-1,3-Dichloropropene	0.221	U	0.221	0.221	r
108-88-3	Toluene	0.744		0.266	0.266	r
591-78-6	2-Hexanone(MBK)	0.244	U	0.244	0.244	r
127-18-4	Tetrachloroethene	2.70		0.037	0.037	r
630-20-6	1,1,1,2-Tetrachloroethane	0.146	U	0.146	0.146	r
108-90-7	Chlorobenzene	0.217	U	0.217	0.217	r
100-41-4	Ethylbenzene	0.230	U	0.230	0.230	r
100-42-5	Styrene	0.235	U	0.235	0.235	r
95-47-6	o-Xylene	0.230	U	0.230	0.230	r
98-82-8	Isopropylbenzene	0.204	U	0.204	0.204	r
622-96-8	4-Ethyltoluene	0.204	U	0.204	0.204	r
108-67-8	1,3,5-Trimethylbenzene	0.204	U	0.204	0.204	r
95-63-6	1,2,4-Trimethylbenzene	0.204	U	0.204	0.204	r
91-20-3	Naphthalene	0.200	U	0.200	0.200	r
76-14-2	1,2-Dichlorotetrafluoroethane(sim)	0.143	U	0.143	0.143	r
75-01-4	Vinyl Chloride(sim)	0.078	U	0.078	0.078	r

FORM I AIR

r=Result Reported U=Not Detected D=Reported Dilution E/J=Estimated Value X=Not Used S=Lab Solvent

1
AIR ANALYSIS DATA SHEET

CLIENT ID

Client:	<u>FPMGROUP</u>	Lab:	<u>Phoenix Env. Labs</u>
SDG No.:	<u>GCU37304</u>	Lab Sample ID:	<u>CU37309</u>
Canister:	<u>49205</u>	Lab File ID:	<u>0930_12.D</u>
Instrument:	<u>CHEM20</u>	Column:	<u>RTX-1 60M</u>
Purge Volume	<u>200</u> (cc)	Date Received:	<u>09/29/25</u>
Matrix:	<u>AIR</u>	Date Analyzed:	<u>09/30/25</u>
		Dilution Factor:	<u>1</u>

CONCENTRATION UNITS: (ppbv or ug/m3) ppbv

CAS NO.	COMPOUND	CONC.	Q	MDL	PQL	R
74-83-9	Bromomethane(sim)	0.258	U	0.258	0.258	r
75-69-4	Trichlorofluoromethane(sim)	0.178	U	0.178	0.178	r
107-06-2	1,2-Dichloroethane(sim)	0.247	U	0.247	0.247	r
71-55-6	1,1,1-Trichloroethane(sim)	0.183	U	0.183	0.183	r
71-43-2	Benzene(sim)	0.313	U	0.313	0.313	r
56-23-5	Carbon Tetrachloride(sim)	0.064		0.032	0.032	r
75-35-4	1,1-Dichloroethene(sim)	0.051	U	0.051	0.051	r
76-13-1	Trichlorotrifluoroethane(sim)	0.131	U	0.131	0.131	r
156-60-5	Trans-1,2-Dichloroethene(sim)	0.252	U	0.252	0.252	r
75-34-3	1,1-Dichloroethane(sim)	0.247	U	0.247	0.247	r
156-59-2	Cis-1,2-Dichloroethene(sim)	0.051	U	0.051	0.051	r
67-66-3	Chloroform(sim)	0.205	U	0.205	0.205	r
78-87-5	1,2-dichloropropane(sim)	0.217	U	0.217	0.217	r
75-27-4	Bromodichloromethane(sim)	0.149	U	0.149	0.149	r
79-01-6	Trichloroethene(sim)	0.162		0.037	0.037	r
123-91-1	1,4-Dioxane(sim)	0.278	U	0.278	0.278	r
10061-01-5	cis-1,3-Dichloropropene(sim)	0.221	U	0.221	0.221	r
79-00-5	1,1,2-Trichloroethane(sim)	0.183	U	0.183	0.183	r
124-48-1	Dibromochloromethane(sim)	0.118	U	0.118	0.118	r
106-93-4	1,2-Dibromoethane(EDB)(sim)	0.130	U	0.130	0.130	r
75-25-2	Bromoform(sim)	0.097	U	0.097	0.097	r
179601-23-1	m,p-Xylene(sim)	0.230	U	0.230	0.230	r
79-34-5	1,1,2,2-Tetrachloroethane(sim)	0.146	U	0.146	0.146	r
100-44-7	Benzyl chloride(sim)	0.193	U	0.193	0.193	r
541-73-1	1,3-Dichlorobenzene(sim)	0.166	U	0.166	0.166	r
106-46-7	1,4-Dichlorobenzene(sim)	0.166	U	0.166	0.166	r
135-98-8	sec-Butylbenzene(sim)	0.182	U	0.182	0.182	r
99-87-6	4-Isopropyltoluene(sim)	0.182	U	0.182	0.182	r
95-50-1	1,2-Dichlorobenzene(sim)	0.166	U	0.166	0.166	r
104-51-8	n-Butylbenzene(sim)	0.182	U	0.182	0.182	r
120-82-1	1,2,4-Trichlorobenzene(sim)	0.135	U	0.135	0.135	r
87-68-3	Hexachlorobutadiene(sim)	0.094	U	0.094	0.094	r

FORM I AIR

r=Result Reported U=Not Detected D=Reported Dilution E/J=Estimated Value X=Not Used S=Lab Solvent

Data Path : H:\AIR2025\CHEM20\09SEP\29\
 Data File : 0930_12.D
 Acq On : 30 Sep 2025 7:59 pm
 Operator :
 Client ID : PT-IA-1
 Lab ID : CU37309
 ALS Vial : 14 Sample Multiplier: 1

Quant Time: Oct 01 05:03:17 2025
 Quant Method : H:\AIR2025\CHEM20\Methods\20_AIR_0909.M
 Quant Title : VOA Standards for 5 point calibration
 QLast Update : Tue Sep 30 13:55:37 2025
 Response via : Initial Calibration

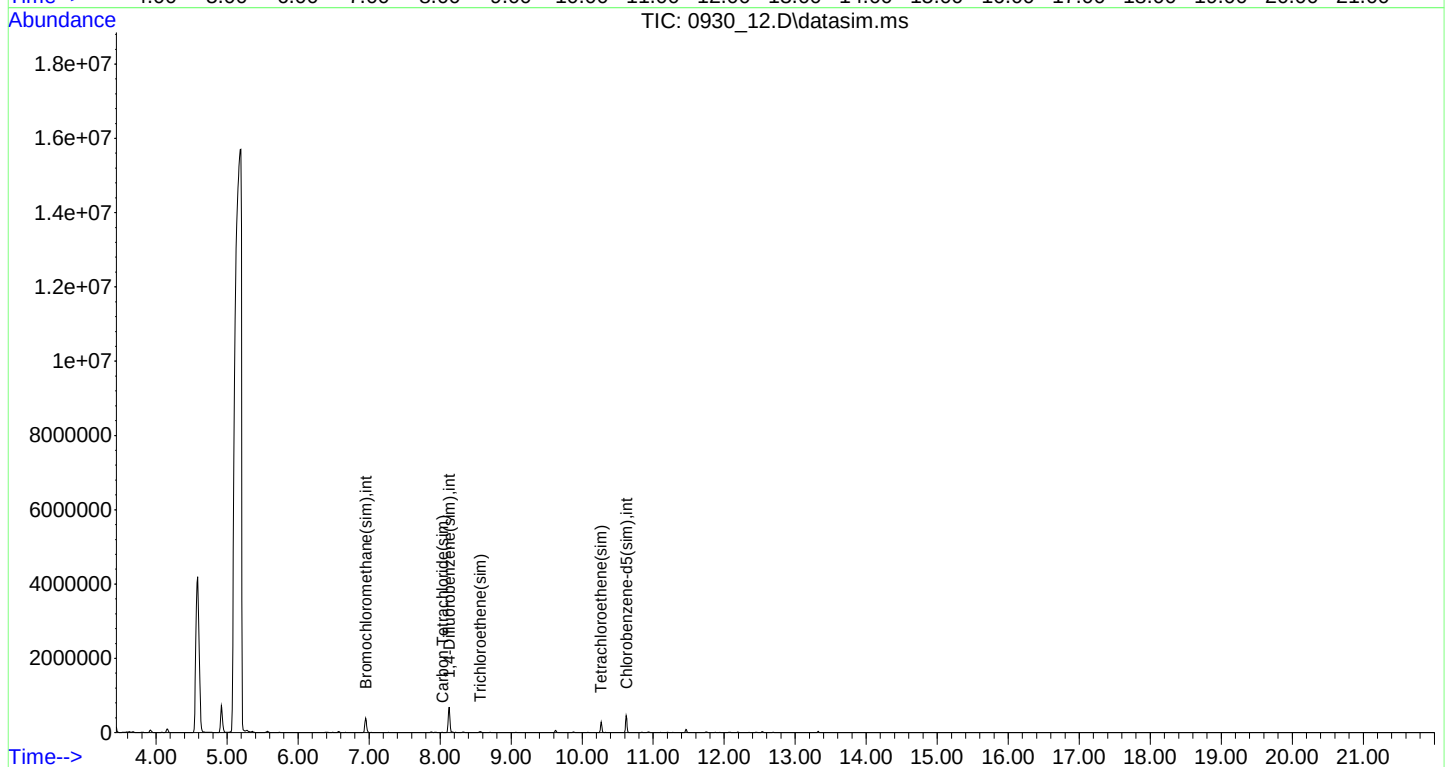
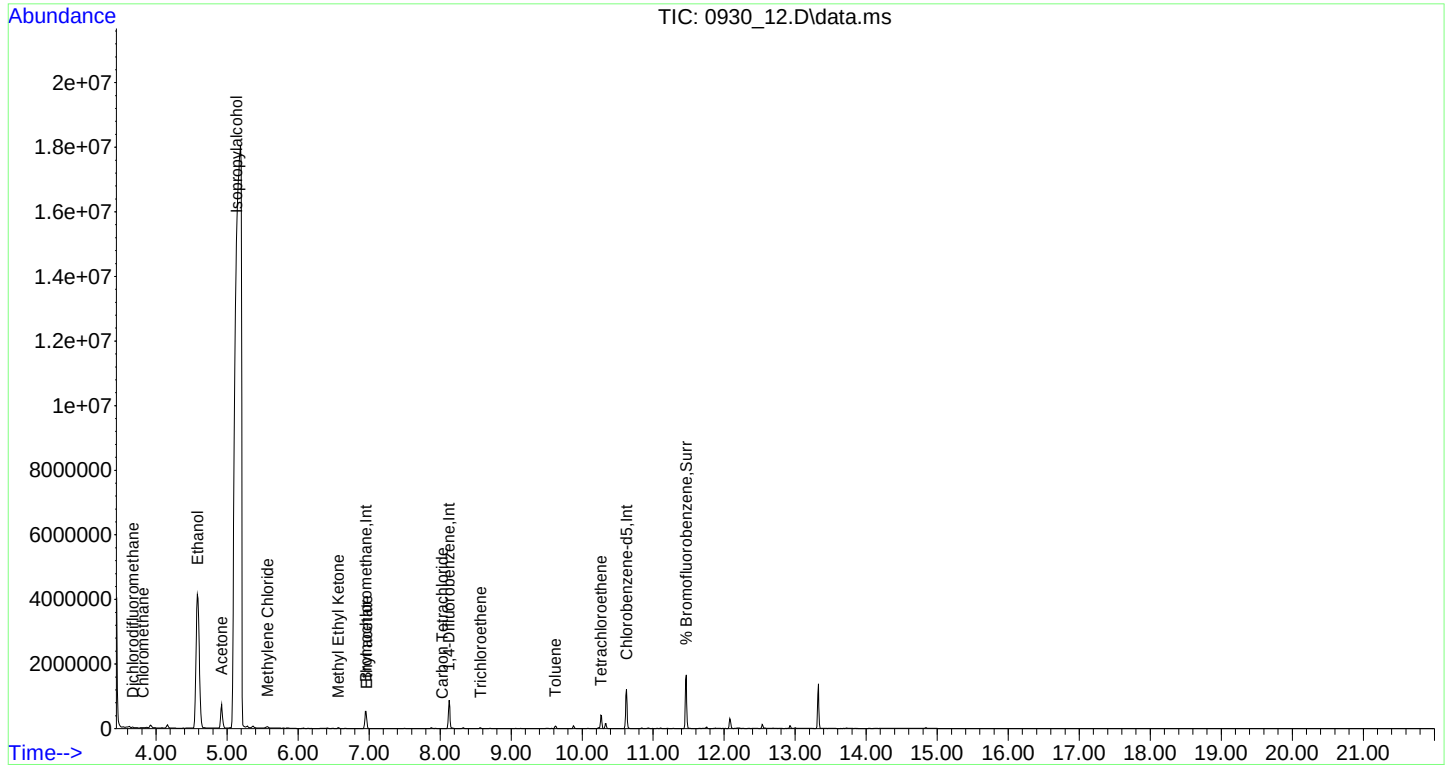
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

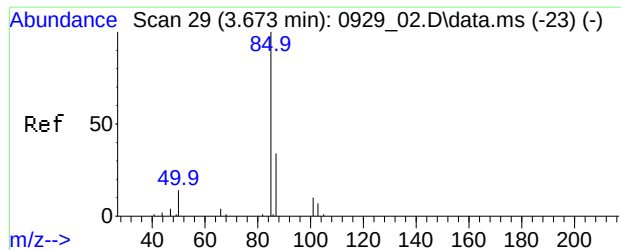
Internal Standards						
1) Bromochloromethane	6.956	130	174826	10.000	ng	0.00
36) 1,4-Difluorobenzene	8.126	114	589053	10.000	ng	0.00
53) Chlorobenzene-d5	10.624	82	291062	10.000	ng	0.00
78) Bromochloromethane(sim)	6.952	130	194354	10.000	ng	# 0.00
93) 1,4-Difluorobenzene(sim)	8.126	114	589053	10.000	ng	0.00
103) Chlorobenzene-d5(sim)	10.624	82	291062	10.000	ng	0.00
System Monitoring Compounds						
62) % Bromofluorobenzene	11.466	95	399165	10.395	ppbv	0.00
Spiked Amount	10.000	Range	70 - 130	Recovery	=	104.00%
Target Compounds						
						Qvalue
3) Dichlorodifluoromethane	3.673	85	18737	0.389	ppbv	98
4) Chloromethane	3.811	50	8858	0.554	ppbv	90
11) Ethanol	4.582	45	7885027	1456.067	ppbv#	43
12) Acetone	4.922	43	841920	26.080	ppbv#	81
13) Trichlorofluoromethane	5.036	101	8654	0.177	ppbv	96
14) Isopropylalcohol	5.133	45	57366669m	1758.867	ppbv	98
17) Methylene Chloride	5.569	49	22582	0.979	ppbv	98
25) Methyl Ethyl Ketone	6.568	43	30160	0.811	ppbv#	92
29) Ethyl acetate	6.964	61	2673	0.496	ppbv#	79
34) Carbon Tetrachloride	8.030	117	3059	0.069	ppbv	98
39) Trichloroethene	8.567	130	4426	0.180	ppbv#	89
48) Toluene	9.624	91	44503	0.744	ppbv	98
52) Tetrachloroethene	10.264	166	111273	2.702	ppbv#	89
86] Carbon Tetrachloride(sim)	8.033	117	3491	0.063	ppbv	96
96] Trichloroethene(sim)	8.561	130	5111	0.162	ppbv	91
102] Tetrachloroethene(sim)	10.267	166	127524	2.434	ppbv	95

(#)out of range (m)manual integration reviewed by analyst (+)signals summed

Data Path : H:\AIR2025\CHEM20\09SEP\29\
Data File : 0930_12.D
Acq On : 30 Sep 2025 7:59 pm
Operator :
Client ID : PT-IA-1
Lab ID : CU37309
ALS Vial : 14 Sample Multiplier: 1

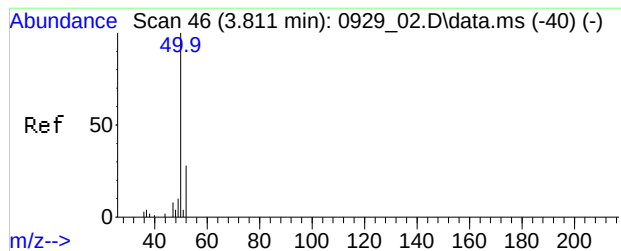
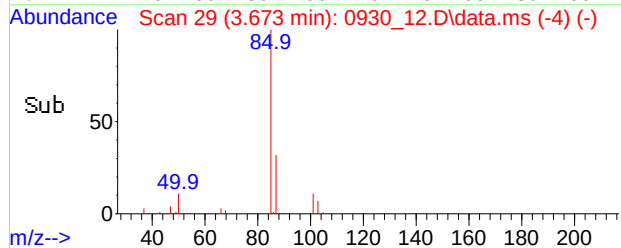
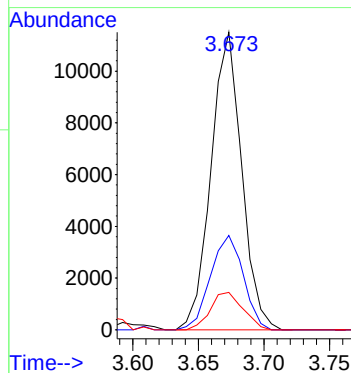
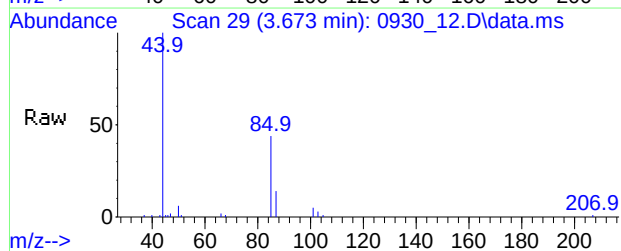
Quant Time: Oct 01 05:03:17 2025
Quant Method : H:\AIR2025\CHEM20\Methods\20_AIR_0909.M
Quant Title : VOA Standards for 5 point calibration
QLast Update : Tue Sep 30 13:55:37 2025
Response via : Initial Calibration





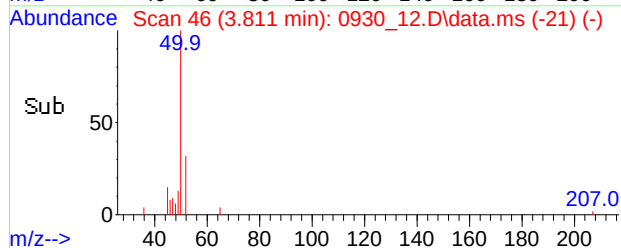
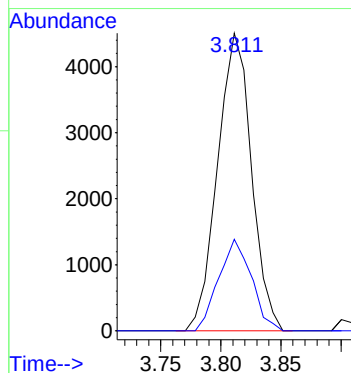
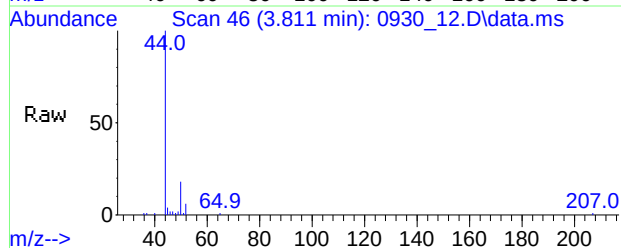
#3
Dichlorodifluoromethane
Conc: 8\$ 0.389 ppbv
RT: 3.673 min Scan# 29
Delta R.T. 0.000 min
Lab File: 0930_12.D
Acq: 30 Sep 2025 7:59 pm

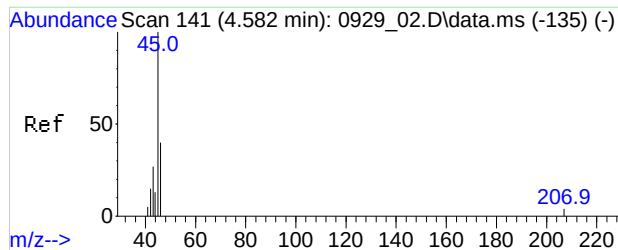
Tgt Ion: 85 Resp: 18737
Ion Ratio Lower Upper
85 100
87 34.1 25.8 38.8
50 13.5 10.6 15.8



#4
Chloromethane
Conc: 8\$ 0.554 ppbv
RT: 3.811 min Scan# 46
Delta R.T. 0.000 min
Lab File: 0930_12.D
Acq: 30 Sep 2025 7:59 pm

Tgt Ion: 50 Resp: 8858
Ion Ratio Lower Upper
50 100
52 29.8 15.5 55.5

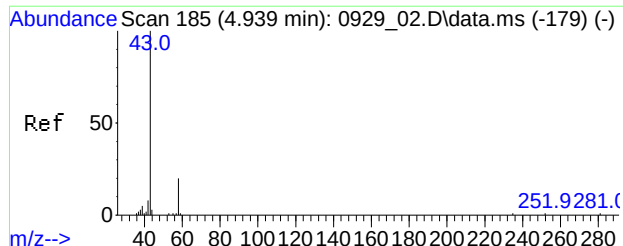
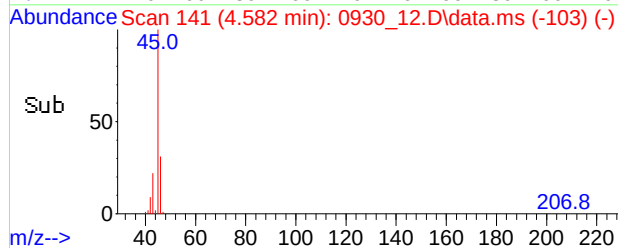
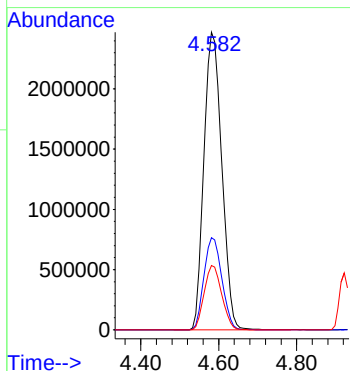
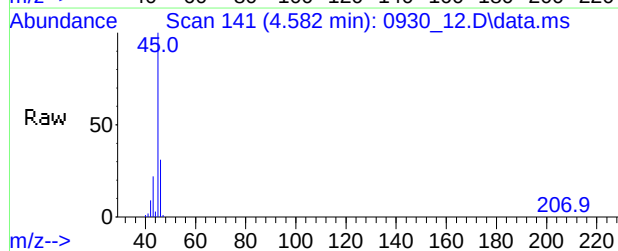




#11
Ethanol
Conc: 8\$ 1456.067 ppbv
RT: 4.582 min Scan# 141
Delta R.T. 0.008 min
Lab File: 0930_12.D
Acq: 30 Sep 2025 7:59 pm

Tgt Ion: 45 Resp: 7885027

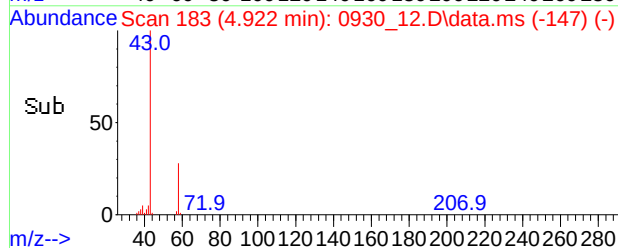
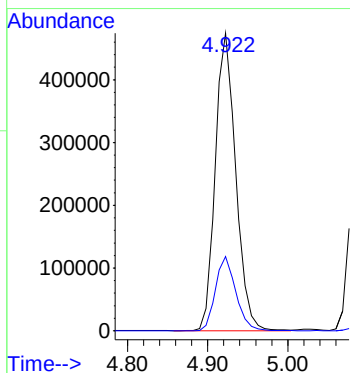
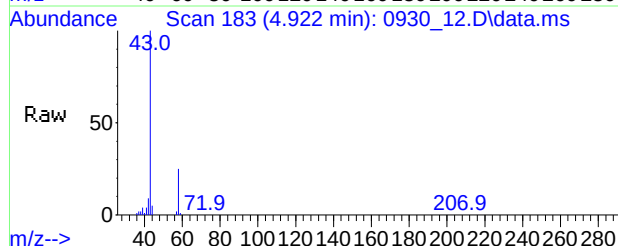
Ion	Ratio	Lower	Upper
45	100		
46	31.1	0.6	0.8#
43	21.3	0.0	0.0#

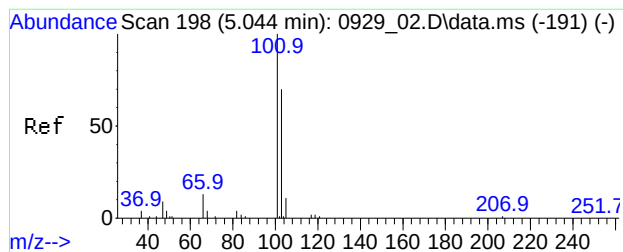


#12
Acetone
Conc: 8\$ 26.080 ppbv
RT: 4.922 min Scan# 183
Delta R.T. -0.008 min
Lab File: 0930_12.D
Acq: 30 Sep 2025 7:59 pm

Tgt Ion: 43 Resp: 841920

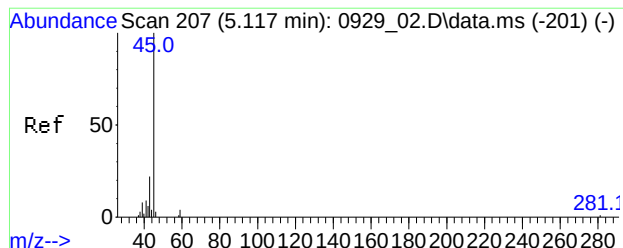
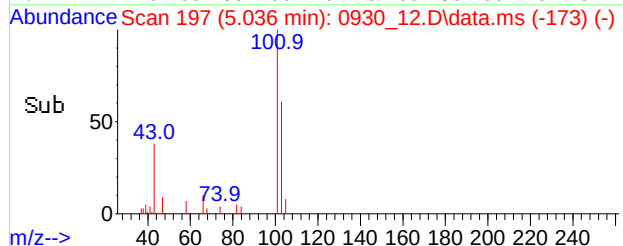
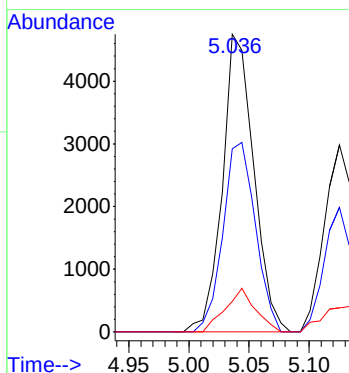
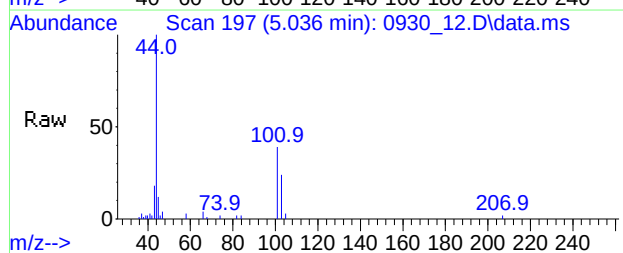
Ion	Ratio	Lower	Upper
43	100		
58	24.9	0.2	0.2#





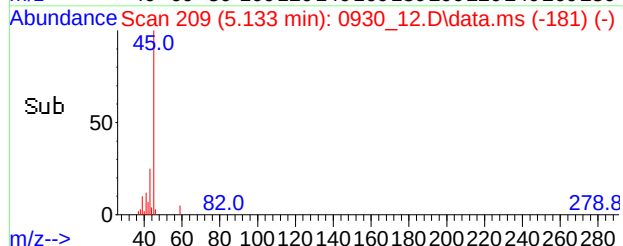
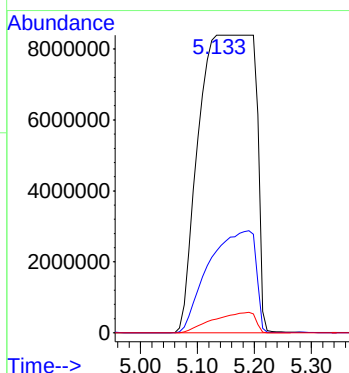
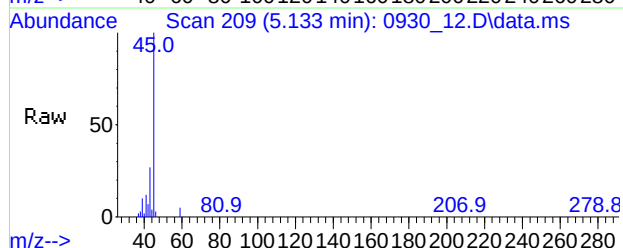
#13
Trichlorofluoromethane
Conc: 8\$ 0.177 ppbv
RT: 5.036 min Scan# 197
Delta R.T. -0.008 min
Lab File: 0930_12.D
Acq: 30 Sep 2025 7:59 pm

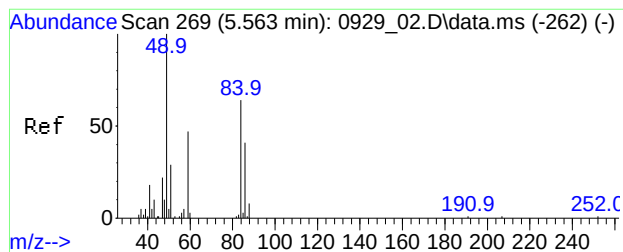
Tgt Ion: 101 Resp: 8654
Ion Ratio Lower Upper
101 100
103 65.8 49.8 74.8
66 14.0 12.1 18.1



#14
Isopropylalcohol
Conc: 8\$ 1758.867 ppbv
RT: 5.133 min Scan# 209
Delta R.T. 0.024 min
Lab File: 0930_12.D
Acq: 30 Sep 2025 7:59 pm

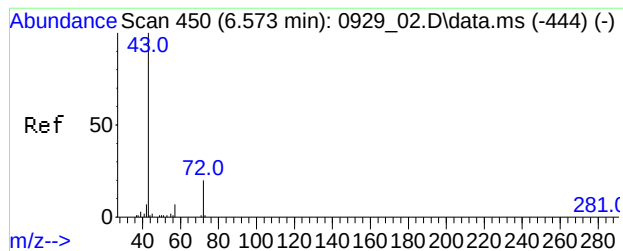
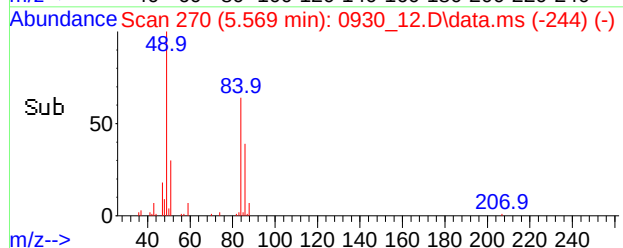
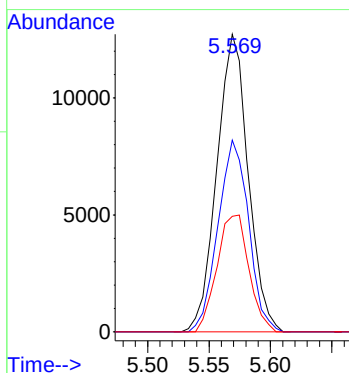
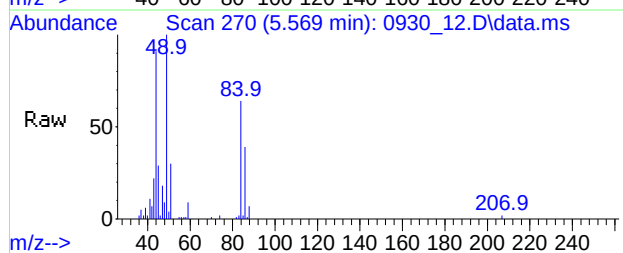
Tgt Ion: 45 Resp: 57366669
Ion Ratio Lower Upper
45 100
43 0.0 0.0 0.0
59 0.0 0.6 1.0#





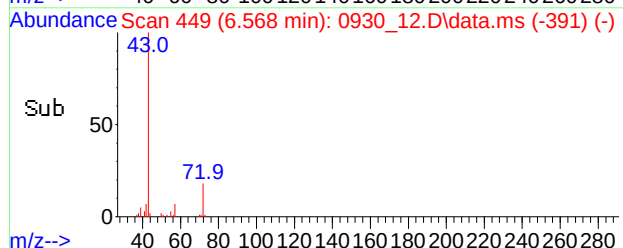
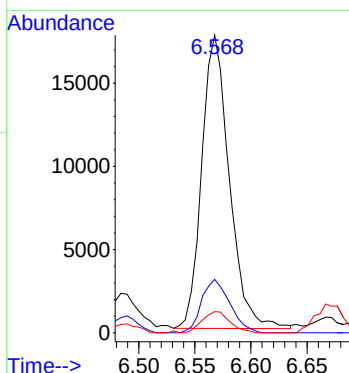
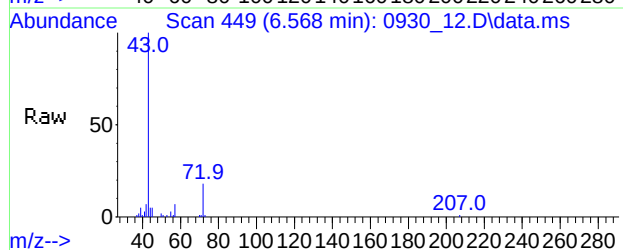
#17
Methylene Chloride
Conc: 8\$ 0.979 ppbv
RT: 5.569 min Scan# 270
Delta R.T. 0.006 min
Lab File: 0930_12.D
Acq: 30 Sep 2025 7:59 pm

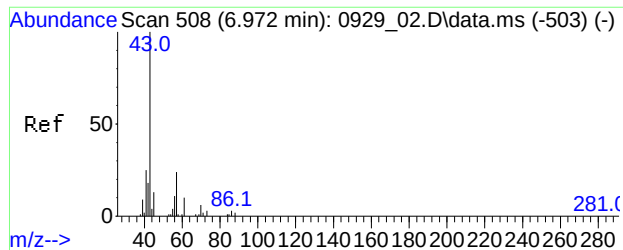
Tgt Ion: 49 Resp: 22582
Ion Ratio Lower Upper
49 100
84 63.1 50.1 75.1
86 40.1 33.8 50.8



#25
Methyl Ethyl Ketone
Conc: 8\$ 0.811 ppbv
RT: 6.568 min Scan# 449
Delta R.T. 0.000 min
Lab File: 0930_12.D
Acq: 30 Sep 2025 7:59 pm

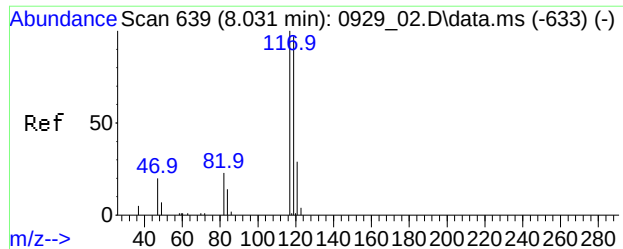
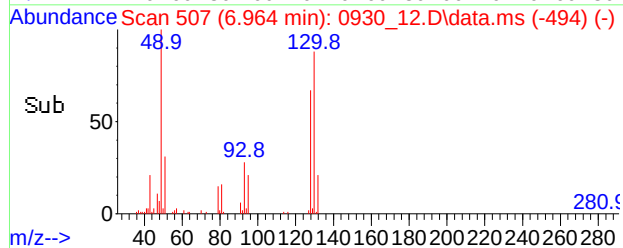
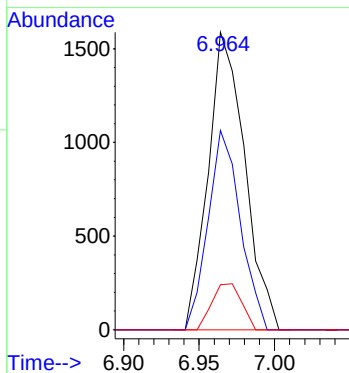
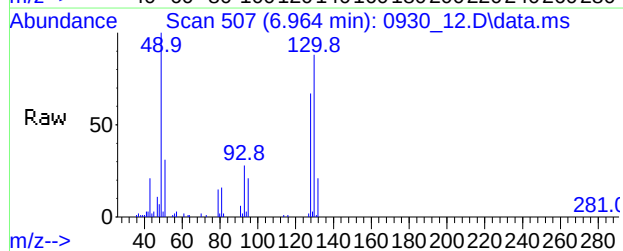
Tgt Ion: 43 Resp: 30160
Ion Ratio Lower Upper
43 100
72 18.6 0.0 0.0#
57 7.3 0.2 0.4#





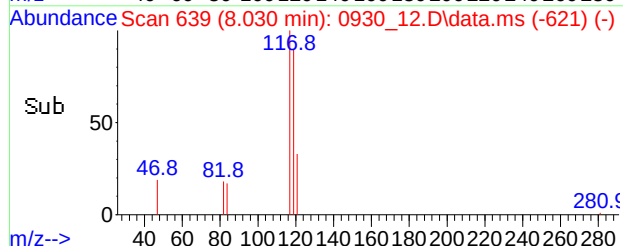
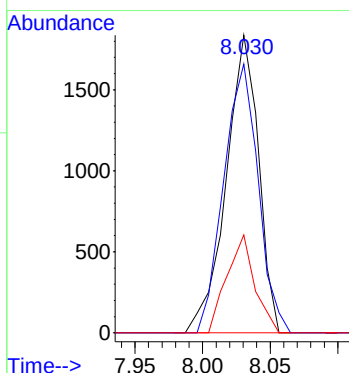
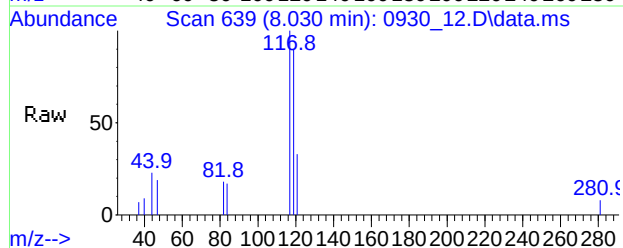
#29
Ethyl acetate
Conc: 8\$ 0.496 ppbv
RT: 6.964 min Scan# 507
Delta R.T. 0.000 min
Lab File: 0930_12.D
Acq: 30 Sep 2025 7:59 pm

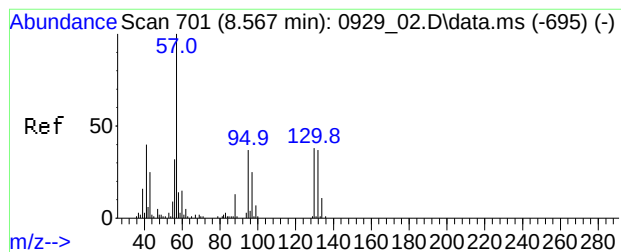
Tgt Ion: 61 Resp: 2673
Ion Ratio Lower Upper
61 100
70 58.9 62.8 94.2#
88 12.6 14.7 22.1#



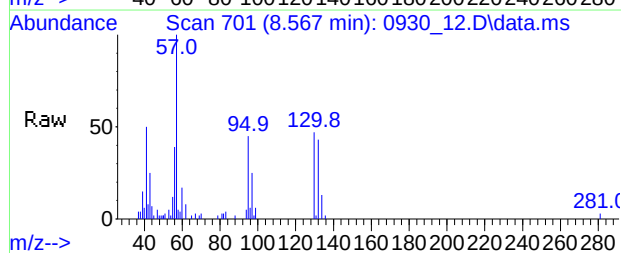
#34
Carbon Tetrachloride
Conc: 8\$ Below Cal
RT: 8.030 min Scan# 639
Delta R.T. 0.009 min
Lab File: 0930_12.D
Acq: 30 Sep 2025 7:59 pm

Tgt Ion: 117 Resp: 3059
Ion Ratio Lower Upper
117 100
119 96.0 74.9 114.9
121 28.3 11.2 51.2

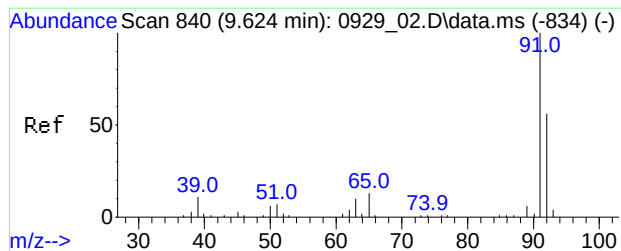
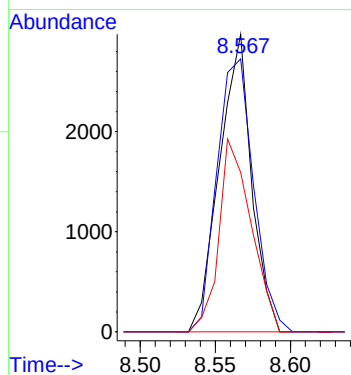
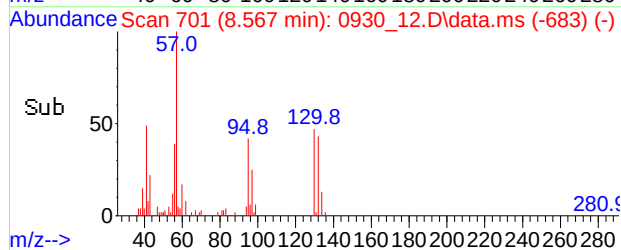




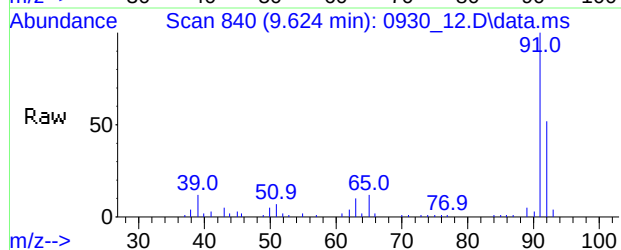
#39
Trichloroethene
Conc: 8\$ 0.180 ppbv
RT: 8.567 min Scan# 701
Delta R.T. 0.009 min
Lab File: 0930_12.D
Acq: 30 Sep 2025 7:59 pm



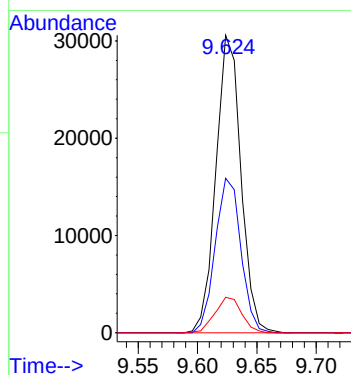
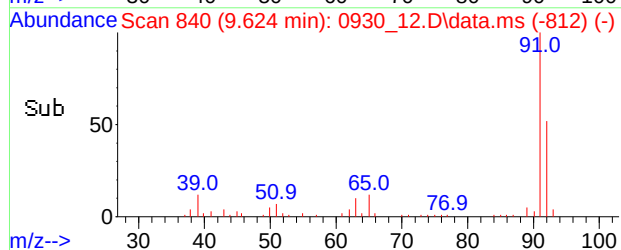
Tgt Ion:130 Resp: 4426
Ion Ratio Lower Upper
130 100
132 104.9 88.3 132.5
97 65.0 65.9 98.9#

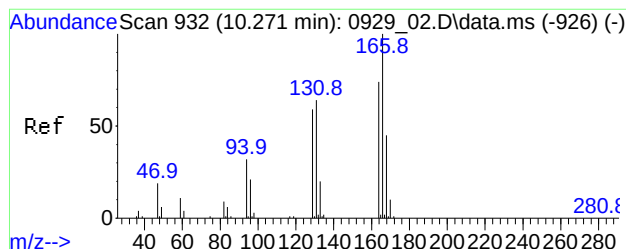


#48
Toluene
Conc: 8\$ 0.744 ppbv
RT: 9.624 min Scan# 840
Delta R.T. 0.000 min
Lab File: 0930_12.D
Acq: 30 Sep 2025 7:59 pm



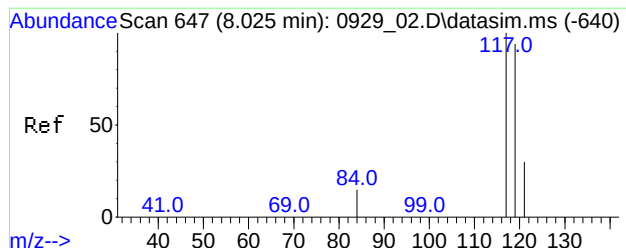
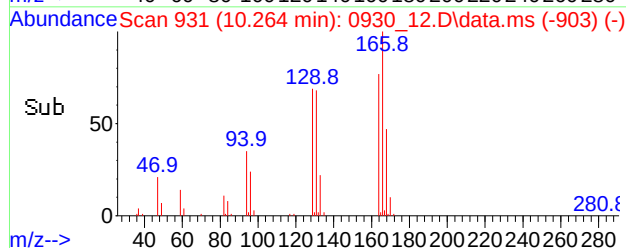
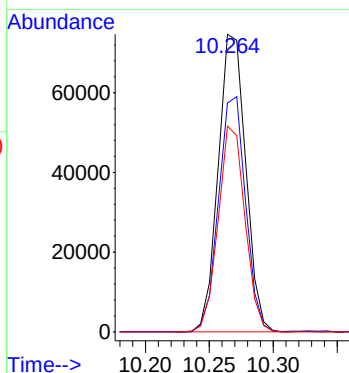
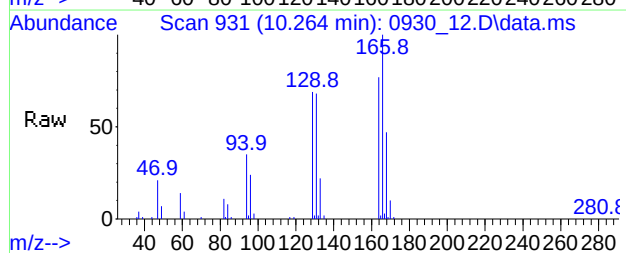
Tgt Ion: 91 Resp: 44503
Ion Ratio Lower Upper
91 100
92 53.3 43.8 65.8
65 12.8 10.6 16.0





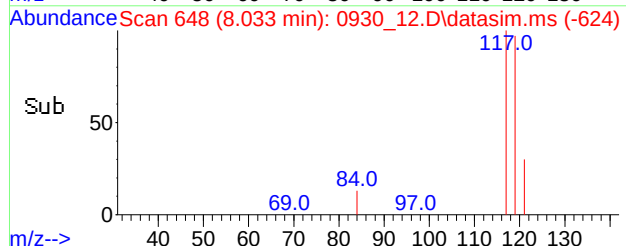
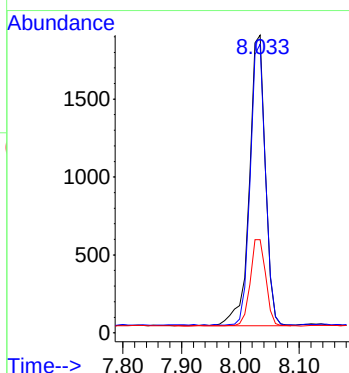
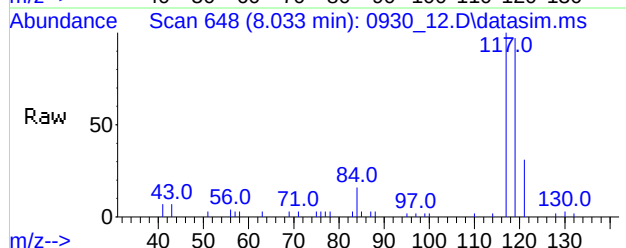
#52
Tetrachloroethene
Conc: 8\$ 2.702 ppbv
RT: 10.264 min Scan# 931
Delta R.T. 0.000 min
Lab File: 0930_12.D
Acq: 30 Sep 2025 7:59 pm

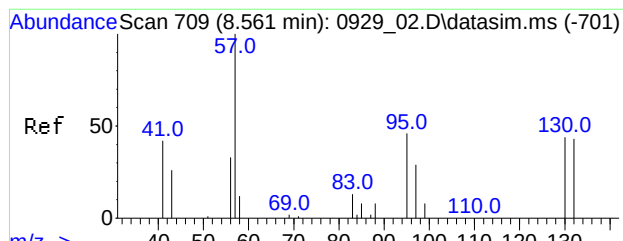
Tgt Ion: 166 Resp: 111273
Ion Ratio Lower Upper
166 100
164 77.7 63.4 95.2
129 67.2 68.4 102.6#



#86
Carbon Tetrachloride(sim)
Conc: 8\$ 0.063 ppbv
RT: 8.033 min Scan# 648
Delta R.T. 0.009 min
Lab File: 0930_12.D
Acq: 30 Sep 2025 7:59 pm

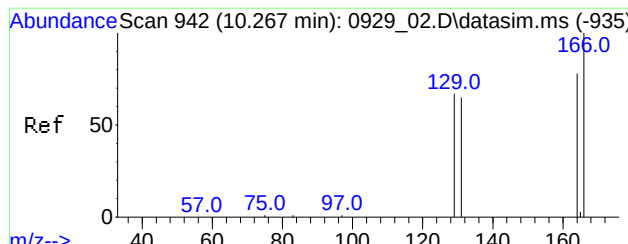
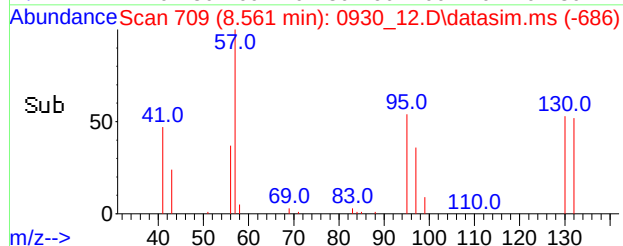
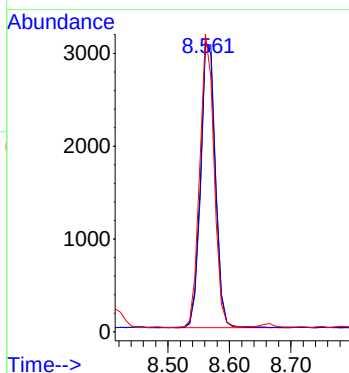
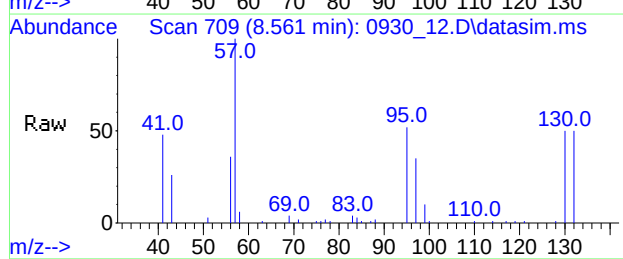
Tgt Ion: 117 Resp: 3491
Ion Ratio Lower Upper
117 100
119 91.4 76.6 115.0
121 29.1 24.2 36.4





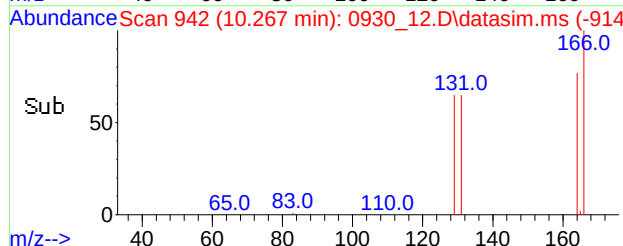
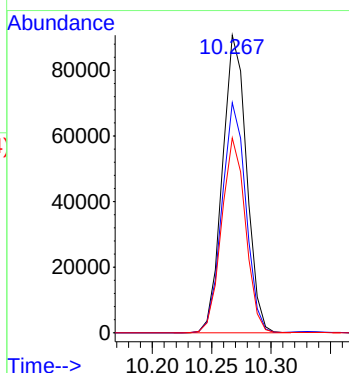
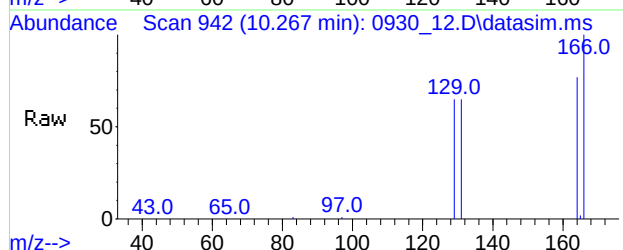
#96
Trichloroethene(sim)
Conc: 8\$ 0.162 ppbv
RT: 8.561 min Scan# 709
Delta R.T. 0.000 min
Lab File: 0930_12.D
Acq: 30 Sep 2025 7:59 pm

Tgt Ion	Ratio	Lower	Upper
130	100		
132	99.9	78.4	117.6
95	99.3	92.6	138.8



#102
Tetrachloroethene(sim)
Conc: 8\$ 2.434 ppbv
RT: 10.267 min Scan# 942
Delta R.T. 0.000 min
Lab File: 0930_12.D
Acq: 30 Sep 2025 7:59 pm

Tgt Ion	Ratio	Lower	Upper
166	100		
164	76.5	54.6	94.6
129	64.8	52.2	92.2



Response Factor Report CHEM20

Method Path : H:\AIR2025\CHEM20\Methods\
 Method File : 20_AIR_0909.M
 Title : VOA Standards for 5 point calibration
 Last Update : Tue Sep 30 13:55:37 2025
 Response Via : Initial Calibration

Calibration Files (Note: Curves (l,l,f,q,qf) display calculated conc and corr. coefficient.)

.035=0909_07.D 0.05=0909_08.D 0.10=0909_09.D 0.2=0909_10.D 0.5=0909_11.D 1.0=0909_16.D 2.5=0909_12.D 5.0=0909_13.D
 10=0909_17.D 25=0909_14.D 40=0909_15.D 0.02=0909_06.D 0.01=0909_05.D

Compound	.035	0.05	0.10	0.2	0.5	1.0	2.5	5.0	10	25	40	0.02	0.01	Avg	%RSD
1) Int Bromochloromethane	-----ISTD-----														
2) Propylene				1.049	0.799	0.975	0.752	0.947	0.879	0.893	0.953			0.906	10.67
3) Dichlorodifluo...				2.696	2.468	2.836	2.598	3.101	2.783	2.748	2.800			2.754	6.72
4) Chloromethane				0.988	0.804	0.980	0.823	0.994	0.901	0.889	0.938			0.915	8.05
5) 1,2-Dichlorote...				2.575	2.390	2.736	2.403	2.871	2.556	2.489	2.589			2.576	6.32
6) Vinyl Chloride				0.931	0.849	0.985	0.852	1.004	0.918	0.882	0.938			0.920	6.21
7) 1,3-Butadiene				0.693	0.619	0.747	0.645	0.759	0.702	0.696	0.739			0.700	6.99
8) Bromomethane				0.956	0.894	0.972	0.886	1.023	0.931	0.920	0.963			0.943	4.78
9) Chloroethane				0.370	0.414	0.451	0.366	0.435	0.390	0.384	0.410			0.403	7.51
11) Ethanol					0.336	0.339	0.278	0.322	0.303	0.293	0.298			0.310	7.43
12) Acetone				2.219	1.789	1.893	1.651	1.958	1.763	1.716	1.781			1.846	9.67
13) Trichlorofluor...				2.833	2.680	2.857	2.631	3.120	2.781	2.712	2.758			2.796	5.39
14) Isopropylalcohol				2.060	1.766	1.961	1.699	2.013	1.843	1.764	1.817			1.866	6.99
15) Acrylonitrile				0.594	0.539	0.623	0.559	0.681	0.580	0.574	0.579			0.591	7.42
16) 1,1-Dichloroet...				1.761	1.599	1.678	1.499	1.780	1.632	1.567	1.611			1.641	5.80
17) Methylene Chlo...				1.591	1.287	1.372	1.215	1.412	1.264	1.195	1.219			1.319	10.17
20) Carbon Disulfide				2.578	2.393	2.575	2.372	2.746	2.426	2.347	2.366			2.475	5.76
21) Trichlorotrifl...				2.166	2.006	2.062	1.902	2.257	1.990	1.928	1.959			2.034	6.02
22) Trans-1,2-Dich...				1.405	1.359	1.411	1.325	1.554	1.459	1.402	1.446			1.420	4.88
23) 1,1-Dichloroet...				1.817	1.662	1.796	1.668	1.960	1.775	1.701	1.729			1.764	5.56
24) Methyl tert-bu...				2.183	1.937	2.189	2.014	2.453	2.293	2.246	2.281			2.199	7.41
25) Methyl Ethyl K...				2.165	1.967	2.146	1.937	2.323	2.162	2.118	2.195			2.127	5.83
26) Cis-1,2-Dichlo...				1.344	1.233	1.301	1.236	1.486	1.382	1.381	1.421			1.348	6.54
27) Hexane				1.210	1.114	1.290	1.225	1.496	1.428	1.410	1.435			1.326	10.20
28) Chloroform				2.216	1.970	2.091	1.930	2.299	2.069	2.004	2.045			2.078	5.98
29) Ethyl acetate				0.240	0.275	0.307	0.295	0.365	0.337	0.319	0.329			0.308	12.58
30) Tetrahydrofuran				0.985	0.877	1.032	0.930	1.181	1.140	1.132	1.170			1.056	11.03
31) 1,2-Dichloroet...				1.449	1.397	1.422	1.322	1.583	1.453	1.411	1.459			1.437	5.13
32) 1,1,1-Trichlor...				2.379	2.072	2.188	2.071	2.525	2.279	2.217	2.279			2.251	6.76
33) Benzene				2.692	2.568	2.717	2.518	3.080	2.850	2.820	2.889			2.767	6.58
34) Carbon Tetrach...				2.455	2.336	2.548	2.361	2.863	2.562	2.550	2.596			2.534	6.48
35) Cyclohexane				1.466	1.074	1.066	0.936	1.151	1.078	1.060	1.089			1.115	13.80
36) Int 1,4-Difluorobenzene	-----ISTD-----														
37) 1,2-dichloropr...				0.334	0.327	0.338	0.321	0.374	0.347	0.346	0.352			0.342	4.86
38) Bromodichlorom...				0.640	0.628	0.650	0.613	0.717	0.645	0.649	0.659			0.650	4.72
39) Trichloroethene				0.437	0.396	0.443	0.401	0.457	0.413	0.400	0.394			0.418	5.83
40) 2,2,4-trimethy...				1.146	1.130	1.246	1.188	1.423	1.302	1.259	1.280			1.247	7.61
41) 1,4-Dioxane				0.152	0.150	0.174	0.150	0.191	0.175	0.174	0.175			0.168	9.04
43) Heptane				0.486	0.459	0.539	0.499	0.604	0.562	0.550	0.563			0.533	9.00

Response Factor Report CHEM20

Method Path : H:\AIR2025\CHEM20\Methods\

Method File : 20_AIR_0909.M

Title : VOA Standards for 5 point calibration

44)	cis-1,3-Dichlo...	0.478	0.434	0.475	0.444	0.529	0.501	0.512	0.521		0.487	7.22
45)	4-Methyl-2-pen...	0.706	0.670	0.758	0.681	0.831	0.776	0.770	0.785		0.747	7.50
46)	trans-1,3-Dich...	0.353	0.355	0.372	0.354	0.417	0.401	0.414	0.436		0.388	8.59
47)	1,1,2-Trichlor...	0.375	0.366	0.375	0.355	0.409	0.372	0.370	0.375		0.375	4.19
48)	Toluene	0.969	0.925	0.999	0.929	1.134	1.058	1.050	1.059		1.015	7.16
49)	Dibromochlorom...	0.789	0.733	0.800	0.737	0.869	0.791	0.795	0.810		0.791	5.44
50)	2-Hexanone(MBK)	0.610	0.624	0.669	0.639	0.788	0.736	0.740	0.748		0.694	9.63
51)	1,2-Dibromoeth...	0.630	0.599	0.613	0.585	0.682	0.629	0.631	0.642		0.626	4.70
52)	Tetrachloroethene	0.724	0.688	0.712	0.652	0.766	0.684	0.680	0.686		0.699	4.97

53)	Int Chlorobenzene-d5	-----ISTD-----										
54)	1,1,1,2-Tetrac...	1.091	1.045	1.079	1.007	1.155	1.017	0.914	0.834		1.018	10.04
55)	Chlorobenzene	1.914	1.783	1.844	1.690	1.930	1.667	1.470	1.341		1.705	12.32
56)	Ethylbenzene	2.480	2.401	2.549	2.405	2.910	2.592	2.337	2.142		2.477	9.01
57)	m,p-Xylene	1.900	1.851	1.644	1.987	2.341	2.030	1.803	1.628		1.898	12.12
58)	Bromoform	2.029	1.838	2.053	1.811	2.151	1.848	1.694	1.549		1.872	10.63
59)	Styrene	1.403	1.251	1.451	1.402	1.758	1.572	1.447	1.329		1.452	10.69
60)	1,1,2,2-Tetrac...	1.673	1.687	1.694	1.522	1.770	1.536	1.359	1.236		1.560	11.82
61)	o-Xylene	1.920	1.880	2.080	2.006	2.387	2.083	1.866	1.692		1.989	10.33
62)	Surr% Bromofluorob...	1.355	1.396	1.378	1.369	1.359	1.304	1.233	1.161		1.319	6.22
64)	Isopropylbenzene	3.139	2.969	3.223	2.988	3.512	3.048	2.774	2.518		3.021	9.81
65)	4-Ethyltoluene	2.538	2.593	3.123	3.006	3.438	3.190	2.829	2.549		2.908	11.53
66)	1,3,5-Trimethy...	2.312	2.469	2.462	2.351	2.949	2.418	2.213	2.020		2.399	11.14
67)	1,2,4-Trimethy...	2.156	2.170	2.502	2.412	2.988	2.635	2.366	2.148		2.422	11.93
68)	Benzyl chloride	1.575	1.738	1.808	1.715	2.222	2.058	1.901	1.754		1.846	11.24
69)	1,3-Dichlorobe...	2.156	2.104	2.282	1.937	2.355	2.052	1.810	1.603		2.037	12.16
70)	1,4-Dichlorobe...	1.891	1.894	2.050	1.761	2.155	1.846	1.689	1.541		1.854	10.51
71)	sec-Butylbenzene	3.288	3.483	3.921	3.705	4.331	3.790	3.365	3.049		3.616	11.22
72)	4-Isopropyltol...	2.943	3.108	3.646	3.442	4.159	3.620	3.256	2.930		3.388	12.32
73)	1,2-Dichlorobe...	1.985	1.916	2.034	1.722	2.117	1.875	1.710	1.570		1.866	9.93
74)	n-Butylbenzene	2.523	2.632	2.998	2.915	3.581	3.192	2.916	2.637		2.924	11.83
75)	1,2,4-Trichlor...	1.220	1.311	1.497	1.121	1.601	1.517	1.496	1.408		1.396	11.82
76)	Naphthalene	1.590	1.871	2.547	1.803	2.618	2.526	2.447	2.289		2.211	17.99
77)	Hexachlorobuta...	2.240	2.075	1.941	1.601	1.965	1.726	1.599	1.438		1.823	15.08

78)	int Bromochloromethane...	-----ISTD-----												
79)	1,2-Dichlorote...	2.687	2.355	2.559	2.285	2.161	2.471	2.166	2.559		2.910	2.462	10.06	
80)	Vinyl Chloride...	1.094	1.003	0.931	0.894	0.827	0.979	0.827	0.982		1.274	1.831	1.064	28.19
81)	Bromomethane(sim)	1.088	1.038	0.897	0.848	0.808	0.878	0.799	0.912		1.330	1.780	1.038	29.53
82)	Trichlorofluor...	3.308	3.135	2.947	2.775	2.625	2.809	2.596	3.040		3.886	5.244	3.237	24.73
83)	1,2-Dichloroet...	1.635	1.375	1.360	1.286	1.263	1.284	1.191	1.411		1.925	2.690	1.542	29.66
84)	1,1,1-Trichlor...	2.584	2.524	2.337	2.232	2.125	2.238	2.089	2.519		3.064	4.029	2.574	22.74
85)	Benzene(sim)	3.715	3.057	2.346	2.389	2.322	2.454	2.270				2.650	20.38	
86)	Carbon Tetrach...	2.812	2.724	2.603	2.466	2.324	2.477	2.336			3.235	4.487	2.829	24.13
87)	1,1-Dichloroet...	1.924	1.772	1.458	1.563	1.445	1.515	1.351	1.587		2.250	2.741	1.761	24.79
88)	Trichlorotrifl...	2.592	2.386	2.338	2.094	1.964	2.056	1.892	2.184		3.109	4.311	2.493	29.35
89)	Trans-1,2-Dich...	1.744	1.453	1.321	1.247	1.229	1.275	1.195	1.386			1.356	13.16	
90)	1,1-Dichloroet...	2.085	1.973	1.839	1.748	1.654	1.781	1.625	1.901		2.430	3.294	2.033	24.67
91)	Cis-1,2-Dichlo...	1.612	1.333	1.328	1.193	1.115	1.175	1.114			1.678	2.373	1.436	28.34
92)	Chloroform(sim)	2.597	2.456	2.235	2.077	1.957	2.064	1.909	2.232		3.103	2.292	16.48	

Response Factor Report CHEM20

Method Path : H:\AIR2025\CHEM20\Methods\
 Method File : 20_AIR_0909.M
 Title : VOA Standards for 5 point calibration

93)	int 1,4-Difluorobenzen...	-----ISTD-----												
94)	1,2-dichloropr...	0.456	0.449	0.410	0.379	0.356	0.380	0.348	0.411		0.581	0.419	17.04	
95)	Bromodichlorom...	0.699	0.783	0.692	0.640	0.628	0.650	0.613	0.717		1.081	0.723	19.97	
96)	Trichloroethen...	0.588	0.573	0.526	0.486	0.460	0.502	0.448	0.525		0.707	0.535	14.88	
97)	1,4-Dioxane(sim)		0.152	0.165	0.152	0.150	0.174	0.150	0.191			0.162	9.76	
98)	cis-1,3-Dichlo...	0.591	0.561	0.529	0.500	0.485	0.531	0.491		0.683	0.877	0.583	21.64	
99)	1,1,2-Trichlor...	0.472	0.385	0.403	0.375	0.366	0.376	0.355	0.409	0.560	0.754	0.446	28.03	
100)	Dibromochlorom...	0.993	0.967	0.919	0.860	0.816	0.879	0.807		1.170	1.518	0.992	22.79	
101)	1,2-Dibromoeth...	0.732	0.681	0.632	0.630	0.599	0.613	0.585	0.682	0.904	1.125	0.718	23.73	
102)	Tetrachloroeth...	0.958	0.925	0.882	0.866	0.796	0.806	0.743	0.865	1.163		0.889	13.71	
103)	int Chlorobenzene-d5(sim)	-----ISTD-----												
104)	Bromoform(sim)	2.587	2.543	2.397	2.278	2.167	2.348	2.067			3.003	2.424	12.06	
105)	m,p-Xylene(sim)		2.205	1.946	1.897	1.851	2.054	1.987	2.346			2.041	8.69	
106)	1,1,2,2-Tetrac...	2.167	2.116	1.972	1.872	1.815	1.867	1.650	1.902	2.562	3.394	2.132	23.86	
107)	Benzyl chlorid...		1.505	1.533	1.573	1.738	1.808	1.715	2.222			1.728	14.23	
108)	1,3-Dichlorobe...	2.811	2.721	2.639	2.352	2.351	2.508	2.177				2.509	9.11	
109)	1,4-Dichlorobe...	2.169	1.952	2.109	1.877	1.894	2.050	1.761				1.973	7.28	
110)	sec-Butylbenze...			3.737	3.665	3.818	4.318	4.090	4.789			4.069	10.52	
111)	4-Isopropyltol...			3.087	2.938	3.112	3.646	3.442	4.159			3.397	13.37	
112)	1,2-Dichlorobe...			2.388	2.285	2.244	2.381	1.994	2.457			2.292	7.18	
113)	n-Butylbenzene...			2.494	2.519	2.632	2.998	2.915	3.581			2.857	14.39	
114)	1,2,4-Trichlor...	1.390	1.468	1.297	1.378	1.492	1.769	1.325	1.862			1.498	13.89	
116)	Hexachlorobuta...	3.342	3.252	2.816	2.659	2.510	2.314	1.924				2.688	18.72	

(#,\$,@)=Out of Range l=linear lf=linear(0,0) q=Quadratic qf=Quadratic(0,0)

Response Factor Report Chem24

Method Path : H:\AIR2025\CHEM24\Methods\
 Method File : 24_AIR_0923.M
 Title : VOA Standards for 5 point calibration
 Last Update : Wed Sep 24 13:58:02 2025
 Response Via : Initial Calibration

Calibration Files (Note: Curves (l,l,f,q,qf) display calculated conc and corr. coefficient.)

.035=0923_06.D 0.05=0923_07.D 0.10=0923_08.D 0.2 =0923_09.D 0.5 =0923_10.D 1.0 =0923_15.D 2.5 =0923_11.D 5.0 =0923_12.D
 10 =0923_16.D 25 =0923_13.D 40 =0923_14.D 0.02=0923_05.D 0.01=0923_04.D

Compound	.035	0.05	0.10	0.2	0.5	1.0	2.5	5.0	10	25	40	0.02	0.01	Avg	%RSD
1) Int Bromochloromethane	-----ISTD-----														
2) Propylene				2.146	1.633	1.476	1.514	1.529	1.444	1.516	1.446			1.588	14.69
3) Dichlorodifluo...				3.790	3.634	3.532	3.761	3.823	3.883	4.066	3.798			3.786	4.21
4) Chloromethane					1.734	1.629	1.715	1.724	1.702	1.771	1.717			1.713	2.52
5) 1,2-Dichlorote...				3.941	3.750	3.683	3.917	4.020	4.061	4.272	4.101			3.968	4.79
6) Vinyl Chloride				1.820	1.654	1.614	1.749	1.793	1.803	1.847	1.825			1.763	4.84
7) 1,3-Butadiene				1.423	1.362	1.318	1.334	1.399	1.374	1.433	1.377			1.378	2.92
8) Bromomethane				1.482	1.445	1.384	1.418	1.455	1.466	1.473	1.468			1.449	2.25
9) Chloroethane				0.880	0.848	0.802	0.820	0.817	0.841	0.853	0.821			0.835	2.98
11) Ethanol					0.698	0.608	0.613	0.585	0.572	0.547				0.604	8.59
12) Acetone				3.480	2.925	2.638	2.785	2.763	2.703	2.805	2.731			2.854	9.33
13) Trichlorofluor...				3.507	3.322	3.253	3.446	3.500	3.612	3.718	3.659			3.502	4.59
14) Isopropylalcohol				3.221	3.024	3.156	3.251	3.399	3.622	3.725	3.374			3.346	7.04
15) Acrylonitrile				1.212	1.096	1.046	1.090	1.084	1.074	1.087	1.072			1.095	4.53
16) 1,1-Dichloroet...				2.783	2.636	2.587	2.711	2.736	2.772	2.898	2.856			2.747	3.78
17) Methylene Chlo...				2.504	2.269	2.038	2.244	2.221	2.187	2.268	2.208			2.243	5.75
20) Carbon Disulfide				4.761	4.458	4.390	4.587	4.753	4.772	4.994	4.739			4.682	4.15
21) Trichlorotrifl...				2.823	2.830	2.779	2.895	2.944	3.047	3.172	3.159			2.956	5.19
22) Trans-1,2-Dich...				2.434	2.375	2.330	2.462	2.527	2.568	2.658	2.640			2.499	4.78
23) 1,1-Dichloroet...				3.032	3.003	2.950	3.171	3.206	3.284	3.403	3.344			3.174	5.24
24) Methyl tert-bu...				4.696	4.207	4.241	4.283	4.410	4.560	4.715	4.546			4.457	4.52
25) Methyl Ethyl K...				4.034	3.723	3.759	4.014	4.110	4.113	4.355	4.119			4.028	5.09
26) Cis-1,2-Dichlo...				2.434	2.318	2.308	2.427	2.470	2.506	2.611	2.555			2.454	4.32
27) Hexane				2.672	2.605	2.543	2.688	2.761	2.755	2.889	2.824			2.717	4.17
28) Chloroform				3.400	3.238	3.178	3.350	3.360	3.464	3.567	3.464			3.378	3.74
29) Ethyl acetate				0.498	0.538	0.574	0.617	0.627	0.625	0.625	0.624			0.591	8.36
30) Tetrahydrofuran				1.930	1.924	1.977	2.117	2.138	2.114	2.204	2.095			2.062	5.08
31) 1,2-Dichloroet...				2.216	2.235	2.118	2.261	2.326	2.308	2.369	2.317			2.269	3.49
32) 1,1,1-Trichlor...				2.984	2.935	2.923	3.021	3.120	3.209	3.265	3.232			3.086	4.48
33) Benzene		5.958		5.662	5.417	5.358	5.378	5.507	5.587	5.614	5.233			5.524	3.86
34) Carbon Tetrach...				2.620	2.538	2.709	2.875	2.948	3.105	3.231	3.207			2.904	9.15
35) Cyclohexane				2.088	1.915	1.910	1.889	1.963	1.987	2.004	1.987			1.968	3.27
36) Int 1,4-Difluorobenzene	-----ISTD-----														
37) 1,2-dichloropr...				0.523	0.504	0.481	0.515	0.530	0.536	0.559	0.554			0.525	4.87
38) Bromodichlorom...				0.909	0.858	0.853	0.917	0.938	0.985	1.046	1.012			0.940	7.44
39) Trichloroethene				0.445	0.421	0.435	0.449	0.454	0.476	0.504	0.510			0.462	6.98
40) 2,2,4-trimethy...				2.220	2.112	2.155	2.306	2.354	2.418	2.313	1.832			2.214	8.36
41) 1,4-Dioxane				0.194	0.183	0.266	0.246	0.252	0.262	0.272	0.260			0.242	14.09
43) Heptane				0.939	0.895	0.881	0.935	0.945	0.966	1.009	0.944			0.939	4.22

Response Factor Report Chem24

Method Path : H:\AIR2025\CHEM24\Methods\

Method File : 24_AIR_0923.M

Title : VOA Standards for 5 point calibration

44)	cis-1,3-Dichlo...	0.777	0.739	0.760	0.781	0.824	0.860	0.904	0.886	0.817	7.51
45)	4-Methyl-2-pen...	1.153	1.104	1.155	1.209	1.253	1.277	1.338	1.189	1.210	6.30
46)	trans-1,3-Dich...	0.588	0.547	0.593	0.624	0.640	0.666	0.696	0.684	0.630	8.24
47)	1,1,2-Trichlor...	0.460	0.442	0.458	0.466	0.472	0.493	0.507	0.509	0.476	5.12
48)	Toluene	1.302	1.262	1.290	1.356	1.390	1.460	1.473	1.293	1.353	5.97
49)	Dibromochlorom...	0.713	0.688	0.749	0.767	0.797	0.857	0.908	0.893	0.796	10.32
50)	2-Hexanone(MBK)	0.628	0.690	0.972	1.075	1.161	1.174	1.242	1.124	1.008	22.80
51)	1,2-Dibromoeth...	0.718	0.679	0.718	0.738	0.764	0.806	0.838	0.820	0.760	7.44
52)	Tetrachloroethene	0.519	0.506	0.497	0.511	0.524	0.551	0.578	0.582	0.534	6.12

53)	Int Chlorobenzene-d5	-----ISTD-----									
54)	1,1,1,2-Tetrac...	0.901	0.846	0.920	0.923	0.919	0.956	0.876	0.846	0.898	4.36
55)	Chlorobenzene	1.706	1.627	1.738	1.684	1.720	1.791	1.643	1.485	1.674	5.52
56)	Ethylbenzene	2.870	2.929	2.790	3.002	3.058	3.092	3.279	2.675	2.064	12.15
57)	m,p-Xylene	2.179	2.212	2.161	1.819	2.348	2.443	2.552	1.955	1.420	16.37
58)	Bromoform	0.999	1.028	1.195	1.132	1.206	1.284	1.216	1.145	1.151	8.40
59)	Styrene	1.471	1.416	1.625	1.624	1.686	1.752	1.610	1.418	1.575	7.99
60)	1,1,2,2-Tetrac...	1.889	1.923	1.985	2.024	2.090	2.162	1.956	1.627	1.957	8.20
61)	o-Xylene	2.320	2.289	2.297	2.381	2.427	2.507	2.625	2.303	1.827	9.44
62)	Surr% Bromofluorob...	1.205	1.206	1.210	1.215	1.194	1.176	1.051	0.953	1.151	8.38
64)	Isopropylbenzene	2.968	3.005	3.134	3.169	3.243	3.351	2.738	2.039	2.956	14.05
66)	4-Ethyltoluene	2.836	2.853	3.286	3.168	3.219	3.536	2.917	2.140	2.994	14.06
67)	1,3,5-Trimethy...	2.362	2.236	2.412	2.647	2.671	2.600	2.216	1.757	2.363	12.79
68)	1,2,4-Trimethy...	2.321	2.388	2.629	2.662	2.765	2.888	2.481	1.910	2.506	12.22
70)	Benzyl chloride	1.100	1.290	1.885	1.967	2.091	2.381	2.213	1.780	1.839	24.03
71)	1,3-Dichlorobe...	1.267	1.302	1.504	1.510	1.556	1.609	1.512	1.320	1.448	9.02
72)	1,4-Dichlorobe...	1.144	1.147	1.449	1.386	1.416	1.535	1.501	1.363	1.368	10.84
73)	sec-Butylbenzene	3.652	3.595	3.998	4.139	4.258	4.344	3.209	2.289	3.686	18.49
74)	4-Isopropyltol...	2.970	3.008	3.363	3.456	3.524	3.686	2.988	2.219	3.152	14.74
75)	1,2-Dichlorobe...	1.236	1.228	1.467	1.393	1.394	1.471	1.391	1.236	1.352	7.65
76)	n-Butylbenzene	2.298	2.581	3.144	3.242	3.394	3.555	2.861	2.092	2.896	18.31
77)	qf 1,2,4-Trichlor...	0.071	0.244	1.219	1.937	4.152	10.59	25.04	39.97	Coef R2	1.00
78)	Naphthalene		1.123	2.511	1.818	1.810	2.176	2.099	1.832	1.910	22.54
79)	Hexachlorobuta...	0.923	0.896	1.020	1.025	0.939	0.964	0.936	0.884	0.948	5.50

80)	int Bromochloromethane...	-----ISTD-----											
81)	1,2-Dichlorote...	3.971	3.750	3.485	3.600	3.425	3.349	3.549	3.661	4.210	4.155	3.716	8.12
82)	Vinyl Chloride...	1.760	1.762	1.703	1.716	1.657	1.610	1.704	1.759	1.777	2.059	1.751	6.86
83)	Bromomethane(sim)	1.652	1.544	1.630	1.353	1.320	1.259	1.286	1.326	1.894	1.865	1.513	15.83
84)	Trichlorofluor...	3.449	3.540	3.426	3.460	3.343	3.264	3.422	3.528	3.575	3.682	3.469	3.43
85)	1,2-Dichloroet...	2.267	2.236	2.062	2.024	2.041	1.926	2.050	2.121	2.307	2.447	2.148	7.44
86)	1,1,1-Trichlor...	3.062	3.136	3.011	3.049	2.969	2.913	3.021	3.132	3.195	3.426	3.091	4.67
87)	Benzene(sim)	6.038	6.187	5.415	5.171	4.947	4.873	4.877			5.358		10.29
88)	Carbon Tetrach...	2.512	2.521	2.577	2.603	2.617	2.724	2.871		2.402	2.527	2.595	5.24
89)	1,1-Dichloroet...	2.407	2.595	2.471	2.542	2.408	2.353	2.458	2.495	2.911	2.887	2.553	7.65
90)	Trichlorotrifl...	2.892	2.921	2.849	2.881	2.799	2.768	2.871	2.956	2.994	3.081	2.901	3.18
91)	Trans-1,2-Dich...	2.041	2.220	2.268	2.223	2.169	2.119	2.232	2.304	2.693	2.802	2.307	10.62
92)	1,1-Dichloroet...	3.013	3.157	3.007	3.090	2.972	2.901	3.083	3.180	3.224	3.280	3.091	3.87
93)	Cis-1,2-Dichlo...	2.230	2.494	2.335	2.223	2.117	2.099	2.201	2.252	2.491	2.589	2.303	7.31
94)	Chloroform(sim)	3.319	3.338	3.219	3.314	3.192	3.133	3.298	3.371	3.429	3.606	3.322	4.00

Response Factor Report Chem24

Method Path : H:\AIR2025\CHEM24\Methods\
 Method File : 24_AIR_0923.M
 Title : VOA Standards for 5 point calibration

95)	int	1,4-Difluorobenzen...	-----ISTD-----													
96)		1,2-dichloropr...	0.574	0.584	0.552	0.570	0.543	0.518	0.559	0.571			0.599	0.652	0.572	6.27
97)		Bromodichlorom...	0.735	0.890	0.847	0.909	0.858	0.853	0.917	0.938			1.011	1.031	0.899	9.48
98)		Trichloroethen...	0.495	0.524		0.489	0.495	0.474	0.486	0.497	0.505		0.531	0.568	0.506	5.45
99)		1,4-Dioxane(sim)			0.152	0.194	0.183	0.266	0.246	0.252					0.215	21.08
100)		cis-1,3-Dichlo...	0.805	0.830	0.805	0.837	0.799	0.823	0.849				0.843	0.853	0.827	2.46
101)		1,1,2-Trichlor...	0.383	0.449	0.437	0.460	0.442	0.458	0.466	0.472			0.544	0.592	0.470	12.37
102)		Dibromochlorom...	0.748	0.783	0.764	0.803	0.769	0.820	0.840				0.771	0.840	0.793	4.31
103)		1,2-Dibromoeth...	0.615	0.682	0.700	0.718	0.679	0.718	0.738	0.764			0.778	0.845	0.724	8.71
104)		Tetrachloroeth...	0.582	0.597	0.573	0.593	0.564	0.562	0.572	0.592	0.627		0.610	0.694	0.597	6.33
105)	int	Chlorobenzene-d5(sim)	-----ISTD-----													
106)		Bromoform(sim)	1.091	1.114	1.107	1.120	1.109	1.306	1.255				1.152	1.234	1.165	6.74
107)		m,p-Xylene(sim)	2.160	2.369	2.179	2.212	2.196	2.297	2.362	2.452			2.625	3.032	2.388	11.23
108)		1,1,2,2-Tetrac...	2.073	2.095	2.039	2.059	2.039	2.157	2.176	2.247			2.236	2.597	2.172	7.74
109)	qfi	Benzyl chlorid...	0.023	0.036	0.077	0.162	0.449	1.155	2.464						Coef R2	0.99
110)		1,3-Dichlorobe...	1.352	1.438	1.315	1.411	1.503	1.795	1.662						1.497	11.62
111)		1,4-Dichlorobe...	1.188	1.238	1.089	1.144	1.147	1.449	1.386				1.695		1.292	15.86
112)		sec-Butylbenze...	3.798	3.937	3.795	3.920	3.931	4.305	4.487	4.649			3.981	4.489	4.129	7.75
113)		4-Isopropyltol...			2.818	2.970	3.008	3.366	3.456	3.525					3.191	9.23
114)		1,2-Dichlorobe...	1.449	1.493	1.276	1.333	1.399	1.678	1.624	1.624			1.636		1.501	9.75
115)		n-Butylbenzene...		2.536	2.054	2.298	2.581	3.144	3.242						2.643	17.68
116)	qf	1,2,4-Trichlor...	0.152	0.170	0.196	0.267	0.461	1.004					0.139		Coef R2	1.00
118)	qfi	Hexachlorobuta...	0.042	0.056	0.099	0.191	0.449	1.026	2.500				0.030	0.022	Coef R2	1.00

(#,\$,@)=Out of Range l=linear lf=linear(0,0) q=Quadratic qf=Quadratic(0,0)

Response Factor Report Chem39

Method Path : H:\AIR2025\CHEM39\Methods\
 Method File : 39_AIR_0920.M
 Title : VOA Standards for 5 point calibration
 Last Update : Tue Sep 23 14:45:11 2025
 Response Via : Initial Calibration

Calibration Files (Note: Curves (l,l,f,q,qf) display calculated conc and corr. coefficient.)

.035=0920_05.D 0.05=0920_06.D 0.10=0920_07.D 0.2=0920_08.D 0.5=0920_09.D 1.0=0920_14.D 2.5=0920_10.D 5.0=0920_11.D
 10=0920_15.D 25=0920_12.D 40=0920_13.D 0.02=0920_04.D 0.01=0920_03.D

Compound	.035	0.05	0.10	0.2	0.5	1.0	2.5	5.0	10	25	40	0.02	0.01	Avg	%RSD
1) Int Bromochloromethane	-----ISTD-----														
2) Propylene				1.939	1.549	1.391	1.420	1.318	1.337	1.325	1.338			1.452	14.52
3) Dichlorodifluo...				2.506	2.577	2.535	2.531	2.466	2.506	2.480	2.471			2.509	1.50
4) Chloromethane				1.502	1.403	1.315	1.304	1.283	1.291	1.296	1.302			1.337	5.73
5) 1,2-Dichlorote...				2.397	2.356	2.387	2.313	2.299	2.320	2.303	2.318			2.336	1.63
6) Vinyl Chloride				1.114	1.158	1.082	1.104	1.095	1.108	1.103	1.120			1.110	2.02
7) 1,3-Butadiene				1.264	1.090	1.085	1.062	1.054	1.059	1.056	1.065			1.092	6.49
8) Bromomethane				0.869	0.903	0.830	0.831	0.804	0.817	0.808	0.828			0.836	3.99
9) Chloroethane				0.459	0.515	0.484	0.476	0.459	0.469	0.464	0.469			0.474	3.92
11) Ethanol				0.648	0.592	0.560	0.501	0.396	0.412	0.389	0.384			0.485	21.55
12) Acetone				3.604	2.936	2.761	2.649	2.472	2.508	2.476	2.488			2.737	14.17
13) Trichlorofluor...				2.934	2.955	2.898	2.897	2.828	2.875	2.847	2.869			2.888	1.47
14) Isopropylalcohol				3.002	3.073	3.198	3.040	2.679	2.838	2.709	2.721			2.907	6.75
15) Acrylonitrile				0.840	0.936	0.944	0.992	0.931	0.951	0.978	0.995			0.946	5.23
16) 1,1-Dichloroet...				2.127	2.260	2.189	2.243	2.183	2.205	2.185	2.201			2.199	1.83
17) Methylene Chlo...				2.396	2.120	2.039	1.973	1.954	1.954	1.947	1.977			2.045	7.51
20) Carbon Disulfide				2.854	2.834	2.872	2.849	2.796	2.863	2.859	2.889			2.852	0.98
21) Trichlorotrifl...				2.275	2.196	2.208	2.253	2.191	2.223	2.174	2.195			2.214	1.55
22) Trans-1,2-Dich...				2.082	2.099	2.037	2.052	2.045	2.052	2.059	2.087			2.064	1.07
23) 1,1-Dichloroet...				2.443	2.368	2.372	2.354	2.337	2.358	2.333	2.336			2.363	1.51
24) Methyl tert-bu...				2.891	2.986	2.926	2.960	2.808	2.862	2.853	2.881			2.896	2.02
25) Methyl Ethyl K...				3.736	3.627	3.983	3.612	3.444	3.496	3.499	3.580			3.622	4.76
26) Cis-1,2-Dichlo...				1.904	1.958	1.947	1.975	1.992	2.000	1.993	2.012			1.973	1.78
27) Hexane				2.540	2.521	2.434	2.453	2.372	2.410	2.368	2.372			2.434	2.77
28) Chloroform				2.368	2.279	2.334	2.339	2.262	2.281	2.269	2.290			2.303	1.68
29) Ethyl acetate				0.327	0.438	0.495	0.481	0.469	0.487	0.489	0.493			0.460	12.35
30) Tetrahydrofuran				1.982	2.022	2.000	1.949	1.848	1.846	1.857	1.904			1.926	3.73
31) 1,2-Dichloroet...				1.817	1.767	1.825	1.878	1.830	1.844	1.853	1.876			1.836	1.95
32) 1,1,1-Trichlor...				2.351	2.414	2.434	2.451	2.391	2.427	2.442	2.466			2.422	1.51
33) Benzene				3.302	3.447	3.342	3.325	3.253	3.276	3.245	3.247			3.305	2.06
34) Carbon Tetrach...				2.498	2.554	2.568	2.580	2.564	2.636	2.641	2.663			2.588	2.11
35) Cyclohexane				1.341	1.325	1.270	1.260	1.256	1.267	1.245	1.256			1.277	2.78
36) Int 1,4-Difluorobenzene	-----ISTD-----														
37) 1,2-dichloropr...				0.436	0.425	0.433	0.431	0.426	0.424	0.423	0.423			0.428	1.17
38) Bromodichlorom...				0.591	0.617	0.618	0.634	0.635	0.638	0.637	0.629			0.625	2.55
39) Trichloroethene				0.393	0.393	0.413	0.400	0.400	0.398	0.385	0.376			0.395	2.82
40) 2,2,4-trimethy...				2.107	2.077	2.071	2.075	2.031	1.993	1.894	1.762			2.001	5.89
41) 1,4-Dioxane				0.133	0.164	0.271	0.182	0.135	0.143	0.140	0.136			0.163	28.85
43) Heptane				0.979	0.970	0.911	0.953	0.921	0.902	0.884	0.861			0.923	4.53

Response Factor Report Chem39

Method Path : H:\AIR2025\CHEM39\Methods\

Method File : 39_AIR_0920.M

Title : VOA Standards for 5 point calibration

44)	cis-1,3-Dichlo...	0.495	0.514	0.529	0.525	0.526	0.529	0.531	0.527	0.522	2.33
45)	4-Methyl-2-pen...	1.214	1.204	1.283	1.187	0.997	1.000	1.020	0.988	1.112	10.93
46)	trans-1,3-Dich...	0.377	0.409	0.424	0.424	0.421	0.424	0.432	0.434	0.418	4.37
47)	1,1,2-Trichlor...	0.347	0.357	0.381	0.369	0.360	0.360	0.361	0.357	0.362	2.76
48)	Toluene	1.075	1.073	1.118	1.089	1.068	1.073	1.046	1.018	1.070	2.73
49)	Dibromochlorom...	0.632	0.658	0.734	0.701	0.708	0.718	0.724	0.717	0.699	5.09
50)	2-Hexanone(MBK)	0.963	1.039	1.112	1.070	0.847	0.887	0.928	0.927	0.972	9.56
51)	1,2-Dibromoeth...	0.570	0.594	0.665	0.608	0.600	0.598	0.599	0.592	0.603	4.51
52)	Tetrachloroethene	0.539	0.531	0.549	0.527	0.525	0.525	0.513	0.502	0.526	2.74

53)	Int Chlorobenzene-d5	-----ISTD-----									
54)	1,1,1,2-Tetrac...	0.891	0.919	0.977	0.929	0.934	0.920	0.851	0.788	0.901	6.47
55)	Chlorobenzene	1.632	1.622	1.763	1.638	1.604	1.568	1.442	1.311	1.573	8.77
56)	Ethylbenzene	2.903	2.756	2.812	2.913	2.774	2.678	2.613	2.369	2.663	9.53
57)	m,p-Xylene	2.468	2.206	2.235	1.857	2.196	2.132	2.073	1.851	2.073	12.09
58)	Bromoform	1.207	1.271	1.567	1.372	1.313	1.343	1.272	1.194	1.317	8.97
59)	Styrene	1.482	1.514	1.738	1.568	1.528	1.494	1.390	1.293	1.501	8.63
60)	1,1,2,2-Tetrac...	1.561	1.566	1.874	1.584	1.537	1.517	1.355	1.243	1.530	12.01
61)	o-Xylene	2.341	2.258	2.248	2.365	2.260	2.174	2.107	1.917	2.156	9.68
62)	Surr% Bromofluorob...	1.321	1.347	1.338	1.364	1.336	1.297	1.222	1.163	1.298	5.39
65)	Isopropylbenzene	3.158	3.223	3.326	3.151	3.033	2.962	2.649	2.357	2.983	10.90
66)	4-Ethyltoluene	3.088	3.157	3.402	3.242	3.137	3.071	2.696	2.417	3.026	10.47
67)	1,3,5-Trimethy...	2.587	2.661	2.802	2.669	2.591	2.521	2.282	2.062	2.522	9.44
68)	1,2,4-Trimethy...	2.675	2.719	2.882	2.770	2.648	2.586	2.276	2.013	2.571	11.13
70)	Benzyl chloride	1.558	1.637	2.434	1.972	1.992	2.112	1.917	1.764	1.923	14.49
71)	1,3-Dichlorobe...	1.580	1.667	1.993	1.744	1.714	1.696	1.515	1.386	1.662	10.79
72)	1,4-Dichlorobe...	1.569	1.580	1.911	1.676	1.633	1.609	1.435	1.297	1.589	11.23
73)	sec-Butylbenzene	3.763	3.960	4.054	3.917	3.802	3.682	3.168	2.738	3.636	12.43
74)	4-Isopropyltol...	3.462	3.522	3.711	3.582	3.432	3.392	2.983	2.609	3.337	10.85
75)	1,2-Dichlorobe...	1.520	1.589	1.875	1.646	1.596	1.586	1.422	1.310	1.568	10.56
76)	n-Butylbenzene	2.702	2.985	3.169	3.079	2.986	2.994	2.697	2.371	2.873	9.14
77)	1,2,4-Trichlor...	0.831	0.941	1.213	1.133	1.074	1.187	1.176	1.115	1.084	12.25
78)	Naphthalene	2.149	2.096	2.794	2.347	2.124	2.423	2.429	2.315	2.335	9.77
79)	Hexachlorobuta...	1.388	1.366	1.429	1.367	1.253	1.289	1.185	1.088	1.296	8.92

80)	int Bromochloromethane...	-----ISTD-----												
81)	1,2-Dichlorote...	2.604	2.419	2.618	2.527	2.470	2.506	2.449	2.480		2.797	3.044	2.591	7.46
82)	Vinyl Chloride...	1.255	1.228	1.313	1.230	1.230	1.219	1.221	1.222		1.298	1.458	1.267	5.90
83)	Bromomethane(sim)	1.095	1.099	0.774	0.917	0.946	0.872	0.881	0.868		1.129		0.953	13.11
84)	Trichlorofluor...	3.060	3.024	3.240	3.075	3.059	3.045	3.051	3.041		3.138	3.306	3.104	3.07
85)	1,2-Dichloroet...	1.985	1.999	1.911	1.915	1.853	1.917	1.989	1.975		2.239	2.248	2.003	6.73
86)	1,1,1-Trichlor...	2.633	2.566	2.768	2.603	2.620	2.614	2.625	2.629		2.596	2.841	2.650	3.24
87)	Benzene(sim)	5.088	4.456	3.791	3.481	3.614	3.510	3.521					3.923	15.72
88)	Carbon Tetrach...	2.553	2.536	2.709	2.552	2.581	2.628	2.638			2.657	2.974	2.648	5.10
89)	1,1-Dichloroet...	2.414	2.031	2.307	2.243	2.369	2.299	2.375	2.355		2.501	2.809	2.370	8.35
90)	Trichlorotrifl...	2.306	2.316	2.464	2.348	2.340	2.324	2.329	2.317		2.329	2.670	2.374	4.77
91)	Trans-1,2-Dich...	2.285	1.691	2.008	2.195	2.200	2.139	2.173	2.207		2.292		2.132	8.69
92)	1,1-Dichloroet...	2.582	2.578	2.738	2.627	2.632	2.606	2.628	2.616		2.707	3.145	2.686	6.30
93)	Cis-1,2-Dichlo...	2.133	1.729	2.301	2.007	2.053	2.045	2.092	2.149		2.160	2.350	2.102	8.11
94)	Chloroform(sim)	2.863	2.617	2.693	2.496	2.453	2.454	2.449	2.441		3.165		2.626	9.46

Response Factor Report Chem39

Method Path : H:\AIR2025\CHEM39\Methods\
 Method File : 39_AIR_0920.M
 Title : VOA Standards for 5 point calibration

95)	int	1,4-Difluorobenzen...	-----ISTD-----													
96)		1,2-dichloropr...	0.468	0.431	0.473	0.446	0.448	0.454	0.453	0.447			0.481	0.553	0.465	7.29
97)		Bromodichlorom...	0.693	0.555	0.669	0.591	0.617	0.618	0.634	0.635			0.656	0.780	0.645	9.52
98)		Trichloroethen...	0.407	0.380	0.409	0.386	0.393	0.392	0.390	0.384			0.394	0.450	0.399	5.10
99)	qfi	1,4-Dioxane(sim)	0.066	0.077	0.093	0.195	0.459	1.012							Coef R2	0.99
100)		cis-1,3-Dichlo...	0.560	0.501	0.554	0.539	0.549	0.565	0.553				0.549	0.560	0.548	3.48
101)		1,1,2-Trichlor...	0.396	0.346	0.394	0.347	0.357	0.381	0.369	0.360			0.382	0.507	0.384	12.22
102)		Dibromochlorom...	0.616	0.623	0.667	0.627	0.643	0.693	0.661				0.632	0.729	0.655	5.69
103)		1,2-Dibromoeth...	0.601	0.585	0.584	0.570	0.594	0.665	0.608	0.600			0.582	0.707	0.609	7.04
104)		Tetrachloroeth...	0.517	0.494	0.525	0.494	0.502	0.507	0.496	0.488			0.530	0.628	0.515	7.74
105)	int	Chlorobenzene-d5(sim)	-----ISTD-----													
106)		Bromoform(sim)	1.151	1.094	1.176	1.144	1.172	1.400	1.236				1.204		1.197	7.67
107)		m,p-Xylene(sim)			2.468	2.206	2.235	2.321	2.196	2.139					2.261	5.21
108)		1,1,2,2-Tetrac...	1.572	1.535	1.620	1.527	1.570	1.870	1.586	1.531			1.606	2.009	1.643	9.92
109)		Benzyl chlorid...	1.577	1.387	1.436	1.558	1.637	2.434	1.972						1.714	21.54
110)		1,3-Dichlorobe...	1.751	1.648	1.684	1.668	1.753	2.085	1.847	1.793			2.057		1.809	8.90
111)		1,4-Dichlorobe...	1.679	1.648	1.656	1.569	1.580	1.911	1.676						1.674	6.77
112)		sec-Butylbenze...	2.945	2.789	2.861	2.783	2.853	3.066	2.896	2.780			3.439		2.935	7.16
113)		4-Isopropyltol...	3.984	3.661	3.585	3.462	3.522	3.711	3.582	3.432					3.617	4.84
114)		1,2-Dichlorobe...	1.684	1.630	1.611	1.577	1.643	1.933	1.694	1.625			1.948		1.705	8.10
115)		n-Butylbenzene...		3.104	2.841	2.702	2.985	3.169	3.079						2.980	5.96
116)		1,2,4-Trichlor...	1.020	0.909	0.739	0.848	0.975	1.231	1.147				1.633		1.063	26.26
118)	qf	Hexachlorobuta...	0.040	0.052	0.096	0.187	0.486	1.013	2.499				0.030	0.025	Coef R2	1.00

(#,\$,@)=Out of Range l=linear lf=linear(0,0) q=Quadratic qf=Quadratic(0,0)

6B
AIR INITIAL CALIBRATION DATA

Lab Name: Phoenix Environmental Labs
Lab Code: Phoenix
Instrument ID: CHEM20
Heated Purge (Y/N): Y
GC Column: _____

Client: FPMGROUP
SDG No.: GCU37304
Calibration Date From: 09/09/25 15:57
Calibration Date Thru: 09/09/25 19:56
Method File: 20_AIR_0909.M

Laboratory File Ids

RRF1	<u>0909_05.D</u>	RRF2	<u>0909_06.D</u>	RRF3	<u>0909_07.D</u>	RRF4	<u>0909_08.D</u>	RRF5	<u>0909_09.D</u>	RRF6	<u>0909_10.D</u>
RRF7	<u>0909_11.D</u>	RRF8	<u>0909_16.D</u>	RRF9	<u>0909_12.D</u>	RRF10	<u>0909_13.D</u>	RRF11	<u>0909_17.D</u>	RRF12	<u>0909_14.D</u>
RRF13	<u>0909_15.D</u>										

COMPOUND	RRF1 0.01	RRF2 0.02	RRF3 0.035	RRF4 0.05	RRF5 0.1	RRF6 0.2	RRF7 0.5	RRF8 1	RRF9 2.5	RRF10 5	RRF11 10	RRF12 25	RRF13 40	— RRF	% RSD
Propylene						1.049	0.799	0.975	0.752	0.947	0.879	0.893	0.953	0.906	10.67
Dichlorodifluoromethane						2.696	2.468	2.836	2.598	3.101	2.783	2.748	2.800	2.754	6.72
Chloromethane						0.988	0.804	0.980	0.823	0.994	0.901	0.889	0.938	0.915	8.05
1,2-Dichlorotetrafluoroethane						2.575	2.390	2.736	2.403	2.871	2.556	2.489	2.589	2.576	6.32
Vinyl Chloride						0.931	0.849	0.985	0.852	1.004	0.918	0.882	0.938	0.920	6.21
1,3-Butadiene						0.693	0.619	0.747	0.645	0.759	0.702	0.696	0.739	0.700	6.99
Bromomethane						0.956	0.894	0.972	0.886	1.023	0.931	0.920	0.963	0.943	4.78
Chloroethane						0.370	0.414	0.451	0.366	0.435	0.390	0.384	0.410	0.403	7.51
Ethanol							0.336	0.339	0.278	0.322	0.303	0.293	0.298	0.310	7.43
Acetone						2.219	1.789	1.893	1.651	1.958	1.763	1.716	1.781	1.846	9.67
Trichlorofluoromethane						2.833	2.680	2.857	2.631	3.120	2.781	2.712	2.758	2.796	5.39
Isopropylalcohol						2.060	1.766	1.961	1.699	2.013	1.843	1.764	1.817	1.866	6.99
Acrylonitrile						0.594	0.539	0.623	0.559	0.681	0.580	0.574	0.579	0.591	7.42
1,1-Dichloroethene						1.761	1.599	1.678	1.499	1.780	1.632	1.567	1.611	1.641	5.80
Methylene Chloride						1.591	1.287	1.372	1.215	1.412	1.264	1.195	1.219	1.319	10.17
Carbon Disulfide						2.578	2.393	2.575	2.372	2.746	2.426	2.347	2.366	2.475	5.76
Trichlorotrifluoroethane						2.166	2.006	2.062	1.902	2.257	1.990	1.928	1.959	2.034	6.02
Trans-1,2-Dichloroethene						1.405	1.359	1.411	1.325	1.554	1.459	1.402	1.446	1.420	4.88
1,1-Dichloroethane						1.817	1.662	1.796	1.668	1.960	1.775	1.701	1.729	1.764	5.56
Methyl tert-butyl ether(MTBE)						2.183	1.937	2.189	2.014	2.453	2.293	2.246	2.281	2.199	7.41
Methyl Ethyl Ketone						2.165	1.967	2.146	1.937	2.323	2.162	2.118	2.195	2.127	5.83
Cis-1,2-Dichloroethene						1.344	1.233	1.301	1.236	1.486	1.382	1.381	1.421	1.348	6.54
Hexane						1.210	1.114	1.290	1.225	1.496	1.428	1.410	1.435	1.326	10.20
Chloroform						2.216	1.970	2.091	1.930	2.299	2.069	2.004	2.045	2.078	5.98

(#) The maximum %RSD was not met for this compound

Note: m,p-xylene TV is 2 times the TV Listed

(l) linear (q) quadratic (i) inverse conc weight (i2) inverse conc weight squared (f) force through zero

Compounds not using average response (l, li, lfi, li2, lfi2, q, qi, qfi, qi2, qfi2) display concentrations and not response factors

6B
AIR INITIAL CALIBRATION DATA

Lab Name: Phoenix Environmental Labs
Lab Code: Phoenix
Instrument ID: CHEM20
Heated Purge (Y/N): Y
GC Column: _____

Client: FPMGROUP
SDG No.: GCU37304
Calibration Date From: 09/09/25 15:57
Calibration Date Thru: 09/09/25 19:56
Method File: 20_AIR_0909.M

Laboratory File Ids

RRF1	<u>0909_05.D</u>	RRF2	<u>0909_06.D</u>	RRF3	<u>0909_07.D</u>	RRF4	<u>0909_08.D</u>	RRF5	<u>0909_09.D</u>	RRF6	<u>0909_10.D</u>	RRF7	<u>0909_11.D</u>	RRF8	<u>0909_12.D</u>	RRF9	<u>0909_13.D</u>	RRF10	<u>0909_14.D</u>	RRF11	<u>0909_15.D</u>	RRF12	<u>0909_16.D</u>	RRF13	<u>0909_17.D</u>	RRF14	<u>0909_18.D</u>	RRF15	<u>0909_19.D</u>	RRF16	<u>0909_20.D</u>	RRF17	<u>0909_21.D</u>	RRF18	<u>0909_22.D</u>	RRF19	<u>0909_23.D</u>	RRF20	<u>0909_24.D</u>	RRF21	<u>0909_25.D</u>	RRF22	<u>0909_26.D</u>	RRF23	<u>0909_27.D</u>	RRF24	<u>0909_28.D</u>	RRF25	<u>0909_29.D</u>	RRF26	<u>0909_30.D</u>	RRF27	<u>0909_31.D</u>	RRF28	<u>0909_32.D</u>	RRF29	<u>0909_33.D</u>	RRF30	<u>0909_34.D</u>	RRF31	<u>0909_35.D</u>	RRF32	<u>0909_36.D</u>	RRF33	<u>0909_37.D</u>	RRF34	<u>0909_38.D</u>	RRF35	<u>0909_39.D</u>	RRF36	<u>0909_40.D</u>	RRF37	<u>0909_41.D</u>	RRF38	<u>0909_42.D</u>	RRF39	<u>0909_43.D</u>	RRF40	<u>0909_44.D</u>	RRF41	<u>0909_45.D</u>	RRF42	<u>0909_46.D</u>	RRF43	<u>0909_47.D</u>	RRF44	<u>0909_48.D</u>	RRF45	<u>0909_49.D</u>	RRF46	<u>0909_50.D</u>	RRF47	<u>0909_51.D</u>	RRF48	<u>0909_52.D</u>	RRF49	<u>0909_53.D</u>	RRF50	<u>0909_54.D</u>	RRF51	<u>0909_55.D</u>	RRF52	<u>0909_56.D</u>	RRF53	<u>0909_57.D</u>	RRF54	<u>0909_58.D</u>	RRF55	<u>0909_59.D</u>	RRF56	<u>0909_60.D</u>	RRF57	<u>0909_61.D</u>	RRF58	<u>0909_62.D</u>	RRF59	<u>0909_63.D</u>	RRF60	<u>0909_64.D</u>	RRF61	<u>0909_65.D</u>	RRF62	<u>0909_66.D</u>	RRF63	<u>0909_67.D</u>	RRF64	<u>0909_68.D</u>	RRF65	<u>0909_69.D</u>	RRF66	<u>0909_70.D</u>	RRF67	<u>0909_71.D</u>	RRF68	<u>0909_72.D</u>	RRF69	<u>0909_73.D</u>	RRF70	<u>0909_74.D</u>	RRF71	<u>0909_75.D</u>	RRF72	<u>0909_76.D</u>	RRF73	<u>0909_77.D</u>	RRF74	<u>0909_78.D</u>	RRF75	<u>0909_79.D</u>	RRF76	<u>0909_80.D</u>	RRF77	<u>0909_81.D</u>	RRF78	<u>0909_82.D</u>	RRF79	<u>0909_83.D</u>	RRF80	<u>0909_84.D</u>	RRF81	<u>0909_85.D</u>	RRF82	<u>0909_86.D</u>	RRF83	<u>0909_87.D</u>	RRF84	<u>0909_88.D</u>	RRF85	<u>0909_89.D</u>	RRF86	<u>0909_90.D</u>	RRF87	<u>0909_91.D</u>	RRF88	<u>0909_92.D</u>	RRF89	<u>0909_93.D</u>	RRF90	<u>0909_94.D</u>	RRF91	<u>0909_95.D</u>	RRF92	<u>0909_96.D</u>	RRF93	<u>0909_97.D</u>	RRF94	<u>0909_98.D</u>	RRF95	<u>0909_99.D</u>	RRF96	<u>0909_100.D</u>	RRF97	<u>0909_101.D</u>	RRF98	<u>0909_102.D</u>	RRF99	<u>0909_103.D</u>	RRF100	<u>0909_104.D</u>	RRF101	<u>0909_105.D</u>	RRF102	<u>0909_106.D</u>	RRF103	<u>0909_107.D</u>	RRF104	<u>0909_108.D</u>	RRF105	<u>0909_109.D</u>	RRF106	<u>0909_110.D</u>	RRF107	<u>0909_111.D</u>	RRF108	<u>0909_112.D</u>	RRF109	<u>0909_113.D</u>	RRF110	<u>0909_114.D</u>	RRF111	<u>0909_115.D</u>	RRF112	<u>0909_116.D</u>	RRF113	<u>0909_117.D</u>	RRF114	<u>0909_118.D</u>	RRF115	<u>0909_119.D</u>	RRF116	<u>0909_120.D</u>	RRF117	<u>0909_121.D</u>	RRF118	<u>0909_122.D</u>	RRF119	<u>0909_123.D</u>	RRF120	<u>0909_124.D</u>	RRF121	<u>0909_125.D</u>	RRF122	<u>0909_126.D</u>	RRF123	<u>0909_127.D</u>	RRF124	<u>0909_128.D</u>	RRF125	<u>0909_129.D</u>	RRF126	<u>0909_130.D</u>	RRF127	<u>0909_131.D</u>	RRF128	<u>0909_132.D</u>	RRF129	<u>0909_133.D</u>	RRF130	<u>0909_134.D</u>	RRF131	<u>0909_135.D</u>	RRF132	<u>0909_136.D</u>	RRF133	<u>0909_137.D</u>	RRF134	<u>0909_138.D</u>	RRF135	<u>0909_139.D</u>	RRF136	<u>0909_140.D</u>	RRF137	<u>0909_141.D</u>	RRF138	<u>0909_142.D</u>	RRF139	<u>0909_143.D</u>	RRF140	<u>0909_144.D</u>	RRF141	<u>0909_145.D</u>	RRF142	<u>0909_146.D</u>	RRF143	<u>0909_147.D</u>	RRF144	<u>0909_148.D</u>	RRF145	<u>0909_149.D</u>	RRF146	<u>0909_150.D</u>	RRF147	<u>0909_151.D</u>	RRF148	<u>0909_152.D</u>	RRF149	<u>0909_153.D</u>	RRF150	<u>0909_154.D</u>	RRF151	<u>0909_155.D</u>	RRF152	<u>0909_156.D</u>	RRF153	<u>0909_157.D</u>	RRF154	<u>0909_158.D</u>	RRF155	<u>0909_159.D</u>	RRF156	<u>0909_160.D</u>	RRF157	<u>0909_161.D</u>	RRF158	<u>0909_162.D</u>	RRF159	<u>0909_163.D</u>	RRF160	<u>0909_164.D</u>	RRF161	<u>0909_165.D</u>	RRF162	<u>0909_166.D</u>	RRF163	<u>0909_167.D</u>	RRF164	<u>0909_168.D</u>	RRF165	<u>0909_169.D</u>	RRF166	<u>0909_170.D</u>	RRF167	<u>0909_171.D</u>	RRF168	<u>0909_172.D</u>	RRF169	<u>0909_173.D</u>	RRF170	<u>0909_174.D</u>	RRF171	<u>0909_175.D</u>	RRF172	<u>0909_176.D</u>	RRF173	<u>0909_177.D</u>	RRF174	<u>0909_178.D</u>	RRF175	<u>0909_179.D</u>	RRF176	<u>0909_180.D</u>	RRF177	<u>0909_181.D</u>	RRF178	<u>0909_182.D</u>	RRF179	<u>0909_183.D</u>	RRF180	<u>0909_184.D</u>	RRF181	<u>0909_185.D</u>	RRF182	<u>0909_186.D</u>	RRF183	<u>0909_187.D</u>	RRF184	<u>0909_188.D</u>	RRF185	<u>0909_189.D</u>	RRF186	<u>0909_190.D</u>	RRF187	<u>0909_191.D</u>	RRF188	<u>0909_192.D</u>	RRF189	<u>0909_193.D</u>	RRF190	<u>0909_194.D</u>	RRF191	<u>0909_195.D</u>	RRF192	<u>0909_196.D</u>	RRF193	<u>0909_197.D</u>	RRF194	<u>0909_198.D</u>	RRF195	<u>0909_199.D</u>	RRF196	<u>0909_200.D</u>	RRF197	<u>0909_201.D</u>	RRF198	<u>0909_202.D</u>	RRF199	<u>0909_203.D</u>	RRF200	<u>0909_204.D</u>	RRF201	<u>0909_205.D</u>	RRF202	<u>0909_206.D</u>	RRF203	<u>0909_207.D</u>	RRF204	<u>0909_208.D</u>	RRF205	<u>0909_209.D</u>	RRF206	<u>0909_210.D</u>	RRF207	<u>0909_211.D</u>	RRF208	<u>0909_212.D</u>	RRF209	<u>0909_213.D</u>	RRF210	<u>0909_214.D</u>	RRF211	<u>0909_215.D</u>	RRF212	<u>0909_216.D</u>	RRF213	<u>0909_217.D</u>	RRF214	<u>0909_218.D</u>	RRF215	<u>0909_219.D</u>	RRF216	<u>0909_220.D</u>	RRF217	<u>0909_221.D</u>	RRF218	<u>0909_222.D</u>	RRF219	<u>0909_223.D</u>	RRF220	<u>0909_224.D</u>	RRF221	<u>0909_225.D</u>	RRF222	<u>0909_226.D</u>	RRF223	<u>0909_227.D</u>	RRF224	<u>0909_228.D</u>	RRF225	<u>0909_229.D</u>	RRF226	<u>0909_230.D</u>	RRF227	<u>0909_231.D</u>	RRF228	<u>0909_232.D</u>	RRF229	<u>0909_233.D</u>	RRF230	<u>0909_234.D</u>	RRF231	<u>0909_235.D</u>	RRF232	<u>0909_236.D</u>	RRF233	<u>0909_237.D</u>	RRF234	<u>0909_238.D</u>	RRF235	<u>0909_239.D</u>	RRF236	<u>0909_240.D</u>	RRF237	<u>0909_241.D</u>	RRF238	<u>0909_242.D</u>	RRF239	<u>0909_243.D</u>	RRF240	<u>0909_244.D</u>	RRF241	<u>0909_245.D</u>	RRF242	<u>0909_246.D</u>	RRF243	<u>0909_247.D</u>	RRF244	<u>0909_248.D</u>	RRF245	<u>0909_249.D</u>	RRF246	<u>0909_250.D</u>	RRF247	<u>0909_251.D</u>	RRF248	<u>0909_252.D</u>	RRF249	<u>0909_253.D</u>	RRF250	<u>0909_254.D</u>	RRF251	<u>0909_255.D</u>	RRF252	<u>0909_256.D</u>	RRF253	<u>0909_257.D</u>	RRF254	<u>0909_258.D</u>	RRF255	<u>0909_259.D</u>	RRF256	<u>0909_260.D</u>	RRF257	<u>0909_261.D</u>	RRF258	<u>0909_262.D</u>	RRF259	<u>0909_263.D</u>	RRF260	<u>0909_264.D</u>	RRF261	<u>0909_265.D</u>	RRF262	<u>0909_266.D</u>	RRF263	<u>0909_267.D</u>	RRF264	<u>0909_268.D</u>	RRF265	<u>0909_269.D</u>	RRF266	<u>0909_270.D</u>	RRF267	<u>0909_271.D</u>	RRF268	<u>0909_272.D</u>	RRF269	<u>0909_273.D</u>	RRF270	<u>0909_274.D</u>	RRF271	<u>0909_275.D</u>	RRF272	<u>0909_276.D</u>	RRF273	<u>0909_277.D</u>	RRF274	<u>0909_278.D</u>	RRF275	<u>0909_279.D</u>	RRF276	<u>0909_280.D</u>	RRF277	<u>0909_281.D</u>	RRF278	<u>0909_282.D</u>	RRF279	<u>0909_283.D</u>	RRF280	<u>0909_284.D</u>	RRF281	<u>0909_285.D</u>	RRF282	<u>0909_286.D</u>	RRF283	<u>0909_287.D</u>	RRF284	<u>0909_288.D</u>	RRF285	<u>0909_289.D</u>	RRF286	<u>0909_290.D</u>	RRF287	<u>0909_291.D</u>	RRF288	<u>0909_292.D</u>	RRF289	<u>0909_293.D</u>	RRF290	<u>0909_294.D</u>	RRF291	<u>0909_295.D</u>	RRF292	<u>0909_296.D</u>	RRF293	<u>0909_297.D</u>	RRF294	<u>0909_298.D</u>	RRF295	<u>0909_299.D</u>	RRF296	<u>0909_300.D</u>	RRF297	<u>0909_301.D</u>	RRF298	<u>0909_302.D</u>	RRF299	<u>0909_303.D</u>	RRF300	<u>0909_304.D</u>	RRF301	<u>0909_305.D</u>	RRF302	<u>0909_306.D</u>	RRF303	<u>0909_307.D</u>	RRF304	<u>0909_308.D</u>	RRF305	<u>0909_309.D</u>	RRF306	<u>0909_310.D</u>	RRF307	<u>0909_311.D</u>	RRF308	<u>0909_312.D</u>	RRF309	<u>0909_313.D</u>	RRF310	<u>0909_314.D</u>	RRF311	<u>0909_315.D</u>	RRF312	<u>0909_316.D</u>	RRF313	<u>0909_317.D</u>	RRF314	<u>0909_318.D</u>	RRF315	<u>0909_319.D</u>	RRF316	<u>0909_320.D</u>	RRF317	<u>0909_321.D</u>	RRF318	<u>0909_322.D</u>	RRF319	<u>0909_323.D</u>	RRF320	<u>0909_324.D</u>	RRF321	<u>0909_325.D</u>	RRF322	<u>0909_326.D</u>	RRF323	<u>0909_327.D</u>	RRF324	<u>0909_328.D</u>	RRF325	<u>0909_329.D</u>	RRF326	<u>0909_330.D</u>	RRF327	<u>0909_331.D</u>	RRF328	<u>0909_332.D</u>	RRF329	<u>0909_333.D</u>	RRF330	<u>0909_334.D</u>	RRF331	<u>0909_335.D</u>	RRF332	<u>0909_336.D</u>	RRF333	<u>0909_337.D</u>	RRF334	<u>0909_338.D</u>	RRF335	<u>0909_339.D</u>	RRF336	<u>0909_340.D</u>	RRF337	<u>0909_341.D</u>	RRF338	<u>0909_342.D</u>	RRF339	<u>0909_343.D</u>	RRF340	<u>0909_344.D</u>	RRF341	<u>0909_345.D</u>	RRF342	<u>0909_346.D</u>	RRF343	<u>0909_347.D</u>	RRF344	<u>0909_348.D</u>	RRF345	<u>0909_349.D</u>	RRF346	<u>0909_350.D</u>	RRF347	<u>0909_351.D</u>	RRF348	<u>0909_352.D</u>	RRF349	<u>0909_353.D</u>	RRF350	<u>0909_354.D</u>	RRF351	<u>0909_355.D</u>	RRF352	<u>0909_356.D</u>	RRF353	<u>0909_357.D</u>	RRF354	<u>0909_358.D</u>	RRF355	<u>0909_359.D</u>	RRF356	<u>0909_360.D</u>	RRF357	<u>0909_361.D</u>	RRF358	<u>0909_362.D</u>	RRF359	<u>0909_363.D</u>	RRF360	<u>0909_364.D</u>	RRF361	<u>0909_365.D</u>	RRF362	<u>0909_366.D</u>	RRF363	<u>0909_367.D</u>	RRF364	<u>0909_368.D</u>	RRF365	<u>0909_369.D</u>	RRF366	<u>0909_370.D</u>	RRF367	<u>0909_371.D</u>	RRF368	<u>0909_372.D</u>	RRF369	<u>0909_373.D</u>	RRF370	<u>0909_374.D</u>	RRF371	<u>0909_375.D</u>	RRF372	<u>0909_376.D</u>	RRF373	<u>0909_377.D</u>	RRF374	<u>0909_378.D</u>	RRF375	<u>0909_379.D</u>	RRF376	<u>0909_380.D</u>	RRF377	<u>0909_381.D</u>	RRF378	<u>0909_382.D</u>	RRF379	<u>0909_383.D</u>	RRF380	<u>0909_384.D</u>	RRF381	<u>0909_385.D</u>	RRF382	<u>0909_386.D</u>	RRF383	<u>0909_387.D</u>	RRF384	<u>0909_388.D</u>	RRF385	<u>0909_389.D</u>	RRF386	<u>0909_390.D</u>	RRF387	<u>0909_391.D</u>	RRF388	<u>0909_392.D</u>	RRF389	<u>09</u>

6B
AIR INITIAL CALIBRATION DATA

Lab Name: Phoenix Environmental Labs
Lab Code: Phoenix
Instrument ID: CHEM20
Heated Purge (Y/N): Y
GC Column: _____

Client: FPMGROUP
SDG No.: GCU37304
Calibration Date From: 09/09/25 15:57
Calibration Date Thru: 09/09/25 19:56
Method File: 20_AIR_0909.M

Laboratory File Ids

RRF1	<u>0909_05.D</u>	RRF2	<u>0909_06.D</u>	RRF3	<u>0909_07.D</u>	RRF4	<u>0909_08.D</u>	RRF5	<u>0909_09.D</u>	RRF6	<u>0909_10.D</u>	RRF7	<u>0909_11.D</u>	RRF8	<u>0909_16.D</u>	RRF9	<u>0909_12.D</u>	RRF10	<u>0909_13.D</u>	RRF11	<u>0909_17.D</u>	RRF12	<u>0909_14.D</u>	RRF13	<u>0909_15.D</u>
COMPOUND		RRF1 0.01	RRF2 0.02	RRF3 0.035	RRF4 0.05	RRF5 0.1	RRF6 0.2	RRF7 0.5	RRF8 1	RRF9 2.5	RRF10 5	RRF11 10	RRF12 25	RRF13 40	— RRF	% RSD									
Ethylbenzene							2.480	2.401	2.549	2.405	2.910	2.592	2.337	2.142	2.477	9.01									
m,p-Xylene							1.900	1.851	1.644	1.987	2.341	2.030	1.803	1.628	1.898	12.12									
Bromoform							2.029	1.838	2.053	1.811	2.151	1.848	1.694	1.549	1.872	10.63									
Styrene							1.403	1.251	1.451	1.402	1.758	1.572	1.447	1.329	1.452	10.69									
1,1,2,2-Tetrachloroethane							1.673	1.687	1.694	1.522	1.770	1.536	1.359	1.236	1.560	11.82									
o-Xylene							1.920	1.880	2.080	2.006	2.387	2.083	1.866	1.692	1.989	10.33									
Isopropylbenzene							3.139	2.969	3.223	2.988	3.512	3.048	2.774	2.518	3.021	9.81									
4-Ethyltoluene							2.538	2.593	3.123	3.006	3.438	3.190	2.829	2.549	2.908	11.53									
1,3,5-Trimethylbenzene							2.312	2.469	2.462	2.351	2.949	2.418	2.213	2.020	2.399	11.14									
1,2,4-Trimethylbenzene							2.156	2.170	2.502	2.412	2.988	2.635	2.366	2.148	2.422	11.93									
Benzyl chloride							1.575	1.738	1.808	1.715	2.222	2.058	1.901	1.754	1.846	11.24									
1,3-Dichlorobenzene							2.156	2.104	2.282	1.937	2.355	2.052	1.810	1.603	2.037	12.16									
1,4-Dichlorobenzene							1.891	1.894	2.050	1.761	2.155	1.846	1.689	1.541	1.854	10.51									
sec-Butylbenzene							3.288	3.483	3.921	3.705	4.331	3.790	3.365	3.049	3.616	11.22									
4-Isopropyltoluene							2.943	3.108	3.646	3.442	4.159	3.620	3.256	2.930	3.388	12.32									
1,2-Dichlorobenzene							1.985	1.916	2.034	1.722	2.117	1.875	1.710	1.570	1.866	9.93									
n-Butylbenzene							2.523	2.632	2.998	2.915	3.581	3.192	2.916	2.637	2.924	11.83									
1,2,4-Trichlorobenzene							1.220	1.311	1.497	1.121	1.601	1.517	1.496	1.408	1.396	11.82									
Naphthalene							1.590	1.871	2.547	1.803	2.618	2.526	2.447	2.289	2.211	17.99									
Hexachlorobutadiene							2.240	2.075	1.941	1.601	1.965	1.726	1.599	1.438	1.823	15.08									
1,2-Dichlorotetrafluoroethane(sim)			2.910	2.687	2.355	2.559	2.285	2.161	2.471	2.166	2.559				2.462	10.06									
Vinyl Chloride(sim)		1.831	1.274	1.094	1.003	0.931	0.894	0.827	0.979	0.827	0.982				1.064	28.19									
Bromomethane(sim)		1.78	1.330	1.088	1.038	0.897	0.848	0.808	0.878	0.799	0.912				1.038	29.53									
Trichlorofluoromethane(sim)		5.244	3.886	3.308	3.135	2.947	2.775	2.625	2.809	2.596	3.040				3.237	24.73									

6B
AIR INITIAL CALIBRATION DATA

Lab Name: Phoenix Environmental Labs
Lab Code: Phoenix
Instrument ID: CHEM20
Heated Purge (Y/N): Y
GC Column: _____

Client: FPMGROUP
SDG No.: GCU37304
Calibration Date From: 09/09/25 15:57
Calibration Date Thru: 09/09/25 19:56
Method File: 20_AIR_0909.M

Laboratory File Ids

RRF1	<u>0909_05.D</u>	RRF2	<u>0909_06.D</u>	RRF3	<u>0909_07.D</u>	RRF4	<u>0909_08.D</u>	RRF5	<u>0909_09.D</u>	RRF6	<u>0909_10.D</u>				
RRF7	<u>0909_11.D</u>	RRF8	<u>0909_16.D</u>	RRF9	<u>0909_12.D</u>	RRF10	<u>0909_13.D</u>	RRF11	<u>0909_17.D</u>	RRF12	<u>0909_14.D</u>				
RRF13	<u>0909_15.D</u>														
COMPOUND	RRF1 0.01	RRF2 0.02	RRF3 0.035	RRF4 0.05	RRF5 0.1	RRF6 0.2	RRF7 0.5	RRF8 1	RRF9 2.5	RRF10 5	RRF11 10	RRF12 25	RRF13 40	— RRF	% RSD
1,2-Dichloroethane(sim)	2.69	1.925	1.635	1.375	1.360	1.286	1.263	1.284	1.191	1.411				1.542	29.66
1,1,1-Trichloroethane(sim)	4.029	3.064	2.584	2.524	2.337	2.232	2.125	2.238	2.089	2.519				2.574	22.74
Benzene(sim)			3.715	3.057	2.346	2.389	2.322	2.454	2.270					2.650	20.38
Carbon Tetrachloride(sim)	4.487	3.235	2.812	2.724	2.603	2.466	2.324	2.477	2.336					2.829	24.13
1,1-Dichloroethene(sim)	2.741	2.250	1.924	1.772	1.458	1.563	1.445	1.515	1.351	1.587				1.761	24.79
Trichlorotrifluoroethane(sim)	4.311	3.109	2.592	2.386	2.338	2.094	1.964	2.056	1.892	2.184				2.493	29.35
Trans-1,2-Dichloroethene(sim)			1.744	1.453	1.321	1.247	1.229	1.275	1.195	1.386				1.356	13.16
1,1-Dichloroethane(sim)	3.294	2.430	2.085	1.973	1.839	1.748	1.654	1.781	1.625	1.901				2.033	24.67
Cis-1,2-Dichloroethene(sim)	2.373	1.678	1.612	1.333	1.328	1.193	1.115	1.175	1.114					1.436	28.34
Chloroform(sim)		3.103	2.597	2.456	2.235	2.077	1.957	2.064	1.909	2.232				2.292	16.48
1,2-dichloropropane(sim)		0.581	0.456	0.449	0.410	0.379	0.356	0.380	0.348	0.411				0.419	17.04
Bromodichloromethane(sim)		1.081	0.699	0.783	0.692	0.640	0.628	0.650	0.613	0.717				0.723	19.97
Trichloroethene(sim)		0.707	0.588	0.573	0.526	0.486	0.460	0.502	0.448	0.525				0.535	14.88
1,4-Dioxane(sim)				0.152	0.165	0.152	0.150	0.174	0.150	0.191				0.162	9.76
cis-1,3-Dichloropropene(sim)	0.877	0.683	0.591	0.561	0.529	0.500	0.485	0.531	0.491					0.583	21.64
1,1,2-Trichloroethane(sim)	0.754	0.560	0.472	0.385	0.403	0.375	0.366	0.376	0.355	0.409				0.446	28.03
Dibromochloromethane(sim)	1.518	1.170	0.993	0.967	0.919	0.860	0.816	0.879	0.807					0.992	22.79
1,2-Dibromoethane(EDB)(sim)	1.125	0.904	0.732	0.681	0.632	0.630	0.599	0.613	0.585	0.682				0.718	23.73
Tetrachloroethene(sim)		1.163	0.958	0.925	0.882	0.866	0.796	0.806	0.743	0.865				0.889	13.71
Bromoform(sim)		3.003	2.587	2.543	2.397	2.278	2.167	2.348	2.067					2.424	12.06
m,p-Xylene(sim)				2.205	1.946	1.897	1.851	2.054	1.987	2.346				2.041	8.69
1,1,2,2-Tetrachloroethane(sim)	3.394	2.562	2.167	2.116	1.972	1.872	1.815	1.867	1.650	1.902				2.132	23.86
Benzyl chloride(sim)				1.505	1.533	1.573	1.738	1.808	1.715	2.222				1.728	14.23
1,3-Dichlorobenzene(sim)			2.811	2.721	2.639	2.352	2.351	2.508	2.177					2.509	9.11

(#) The maximum %RSD was not met for this compound

Note: m,p-xylene TV is 2 times the TV Listed

(l) linear (q) quadratic (i) inverse conc weight (i2) inverse conc weight squared (f) force through zero

Compounds not using average response (l, li, lfi, li2, lfi2, q, qi, qfi, qi2, qfi2) display concentrations and not response factors

6B
AIR INITIAL CALIBRATION DATA

Lab Name: Phoenix Environmental Labs
 Lab Code: Phoenix
 Instrument ID: CHEM20
 Heated Purge (Y/N): Y
 GC Column: _____

Client: FPMGROUP
 SDG No.: GCU37304
 Calibration Date From: 09/09/25 15:57
 Calibration Date Thru: 09/09/25 19:56
 Method File: 20_AIR_0909.M

Laboratory File Ids

RRF1	<u>0909_05.D</u>	RRF2	<u>0909_06.D</u>	RRF3	<u>0909_07.D</u>	RRF4	<u>0909_08.D</u>	RRF5	<u>0909_09.D</u>	RRF6	<u>0909_10.D</u>	RRF7	<u>0909_11.D</u>	RRF8	<u>0909_12.D</u>	RRF9	<u>0909_13.D</u>	RRF10	<u>0909_14.D</u>	RRF11	<u>0909_15.D</u>	RRF12	<u>0909_16.D</u>	RRF13	<u>0909_17.D</u>	RRF14	<u>0909_18.D</u>	RRF15	<u>0909_19.D</u>	RRF16	<u>0909_20.D</u>	RRF17	<u>0909_21.D</u>	RRF18	<u>0909_22.D</u>	RRF19	<u>0909_23.D</u>	RRF20	<u>0909_24.D</u>	RRF21	<u>0909_25.D</u>	RRF22	<u>0909_26.D</u>	RRF23	<u>0909_27.D</u>	RRF24	<u>0909_28.D</u>	RRF25	<u>0909_29.D</u>	RRF26	<u>0909_30.D</u>	RRF27	<u>0909_31.D</u>	RRF28	<u>0909_32.D</u>	RRF29	<u>0909_33.D</u>	RRF30	<u>0909_34.D</u>	RRF31	<u>0909_35.D</u>	RRF32	<u>0909_36.D</u>	RRF33	<u>0909_37.D</u>	RRF34	<u>0909_38.D</u>	RRF35	<u>0909_39.D</u>	RRF36	<u>0909_40.D</u>	RRF37	<u>0909_41.D</u>	RRF38	<u>0909_42.D</u>	RRF39	<u>0909_43.D</u>	RRF40	<u>0909_44.D</u>	RRF41	<u>0909_45.D</u>	RRF42	<u>0909_46.D</u>	RRF43	<u>0909_47.D</u>	RRF44	<u>0909_48.D</u>	RRF45	<u>0909_49.D</u>	RRF46	<u>0909_50.D</u>	RRF47	<u>0909_51.D</u>	RRF48	<u>0909_52.D</u>	RRF49	<u>0909_53.D</u>	RRF50	<u>0909_54.D</u>	RRF51	<u>0909_55.D</u>	RRF52	<u>0909_56.D</u>	RRF53	<u>0909_57.D</u>	RRF54	<u>0909_58.D</u>	RRF55	<u>0909_59.D</u>	RRF56	<u>0909_60.D</u>	RRF57	<u>0909_61.D</u>	RRF58	<u>0909_62.D</u>	RRF59	<u>0909_63.D</u>	RRF60	<u>0909_64.D</u>	RRF61	<u>0909_65.D</u>	RRF62	<u>0909_66.D</u>	RRF63	<u>0909_67.D</u>	RRF64	<u>0909_68.D</u>	RRF65	<u>0909_69.D</u>	RRF66	<u>0909_70.D</u>	RRF67	<u>0909_71.D</u>	RRF68	<u>0909_72.D</u>	RRF69	<u>0909_73.D</u>	RRF70	<u>0909_74.D</u>	RRF71	<u>0909_75.D</u>	RRF72	<u>0909_76.D</u>	RRF73	<u>0909_77.D</u>	RRF74	<u>0909_78.D</u>	RRF75	<u>0909_79.D</u>	RRF76	<u>0909_80.D</u>	RRF77	<u>0909_81.D</u>	RRF78	<u>0909_82.D</u>	RRF79	<u>0909_83.D</u>	RRF80	<u>0909_84.D</u>	RRF81	<u>0909_85.D</u>	RRF82	<u>0909_86.D</u>	RRF83	<u>0909_87.D</u>	RRF84	<u>0909_88.D</u>	RRF85	<u>0909_89.D</u>	RRF86	<u>0909_90.D</u>	RRF87	<u>0909_91.D</u>	RRF88	<u>0909_92.D</u>	RRF89	<u>0909_93.D</u>	RRF90	<u>0909_94.D</u>	RRF91	<u>0909_95.D</u>	RRF92	<u>0909_96.D</u>	RRF93	<u>0909_97.D</u>	RRF94	<u>0909_98.D</u>	RRF95	<u>0909_99.D</u>	RRF96	<u>0909_100.D</u>	RRF97	<u>0909_101.D</u>	RRF98	<u>0909_102.D</u>	RRF99	<u>0909_103.D</u>	RRF100	<u>0909_104.D</u>	RRF101	<u>0909_105.D</u>	RRF102	<u>0909_106.D</u>	RRF103	<u>0909_107.D</u>	RRF104	<u>0909_108.D</u>	RRF105	<u>0909_109.D</u>	RRF106	<u>0909_110.D</u>	RRF107	<u>0909_111.D</u>	RRF108	<u>0909_112.D</u>	RRF109	<u>0909_113.D</u>	RRF110	<u>0909_114.D</u>	RRF111	<u>0909_115.D</u>	RRF112	<u>0909_116.D</u>	RRF113	<u>0909_117.D</u>	RRF114	<u>0909_118.D</u>	RRF115	<u>0909_119.D</u>	RRF116	<u>0909_120.D</u>	RRF117	<u>0909_121.D</u>	RRF118	<u>0909_122.D</u>	RRF119	<u>0909_123.D</u>	RRF120	<u>0909_124.D</u>	RRF121	<u>0909_125.D</u>	RRF122	<u>0909_126.D</u>	RRF123	<u>0909_127.D</u>	RRF124	<u>0909_128.D</u>	RRF125	<u>0909_129.D</u>	RRF126	<u>0909_130.D</u>	RRF127	<u>0909_131.D</u>	RRF128	<u>0909_132.D</u>	RRF129	<u>0909_133.D</u>	RRF130	<u>0909_134.D</u>	RRF131	<u>0909_135.D</u>	RRF132	<u>0909_136.D</u>	RRF133	<u>0909_137.D</u>	RRF134	<u>0909_138.D</u>	RRF135	<u>0909_139.D</u>	RRF136	<u>0909_140.D</u>	RRF137	<u>0909_141.D</u>	RRF138	<u>0909_142.D</u>	RRF139	<u>0909_143.D</u>	RRF140	<u>0909_144.D</u>	RRF141	<u>0909_145.D</u>	RRF142	<u>0909_146.D</u>	RRF143	<u>0909_147.D</u>	RRF144	<u>0909_148.D</u>	RRF145	<u>0909_149.D</u>	RRF146	<u>0909_150.D</u>	RRF147	<u>0909_151.D</u>	RRF148	<u>0909_152.D</u>	RRF149	<u>0909_153.D</u>	RRF150	<u>0909_154.D</u>	RRF151	<u>0909_155.D</u>	RRF152	<u>0909_156.D</u>	RRF153	<u>0909_157.D</u>	RRF154	<u>0909_158.D</u>	RRF155	<u>0909_159.D</u>	RRF156	<u>0909_160.D</u>	RRF157	<u>0909_161.D</u>	RRF158	<u>0909_162.D</u>	RRF159	<u>0909_163.D</u>	RRF160	<u>0909_164.D</u>	RRF161	<u>0909_165.D</u>	RRF162	<u>0909_166.D</u>	RRF163	<u>0909_167.D</u>	RRF164	<u>0909_168.D</u>	RRF165	<u>0909_169.D</u>	RRF166	<u>0909_170.D</u>	RRF167	<u>0909_171.D</u>	RRF168	<u>0909_172.D</u>	RRF169	<u>0909_173.D</u>	RRF170	<u>0909_174.D</u>	RRF171	<u>0909_175.D</u>	RRF172	<u>0909_176.D</u>	RRF173	<u>0909_177.D</u>	RRF174	<u>0909_178.D</u>	RRF175	<u>0909_179.D</u>	RRF176	<u>0909_180.D</u>	RRF177	<u>0909_181.D</u>	RRF178	<u>0909_182.D</u>	RRF179	<u>0909_183.D</u>	RRF180	<u>0909_184.D</u>	RRF181	<u>0909_185.D</u>	RRF182	<u>0909_186.D</u>	RRF183	<u>0909_187.D</u>	RRF184	<u>0909_188.D</u>	RRF185	<u>0909_189.D</u>	RRF186	<u>0909_190.D</u>	RRF187	<u>0909_191.D</u>	RRF188	<u>0909_192.D</u>	RRF189	<u>0909_193.D</u>	RRF190	<u>0909_194.D</u>	RRF191	<u>0909_195.D</u>	RRF192	<u>0909_196.D</u>	RRF193	<u>0909_197.D</u>	RRF194	<u>0909_198.D</u>	RRF195	<u>0909_199.D</u>	RRF196	<u>0909_200.D</u>	RRF197	<u>0909_201.D</u>	RRF198	<u>0909_202.D</u>	RRF199	<u>0909_203.D</u>	RRF200	<u>0909_204.D</u>	RRF201	<u>0909_205.D</u>	RRF202	<u>0909_206.D</u>	RRF203	<u>0909_207.D</u>	RRF204	<u>0909_208.D</u>	RRF205	<u>0909_209.D</u>	RRF206	<u>0909_210.D</u>	RRF207	<u>0909_211.D</u>	RRF208	<u>0909_212.D</u>	RRF209	<u>0909_213.D</u>	RRF210	<u>0909_214.D</u>	RRF211	<u>0909_215.D</u>	RRF212	<u>0909_216.D</u>	RRF213	<u>0909_217.D</u>	RRF214	<u>0909_218.D</u>	RRF215	<u>0909_219.D</u>	RRF216	<u>0909_220.D</u>	RRF217	<u>0909_221.D</u>	RRF218	<u>0909_222.D</u>	RRF219	<u>0909_223.D</u>	RRF220	<u>0909_224.D</u>	RRF221	<u>0909_225.D</u>	RRF222	<u>0909_226.D</u>	RRF223	<u>0909_227.D</u>	RRF224	<u>0909_228.D</u>	RRF225	<u>0909_229.D</u>	RRF226	<u>0909_230.D</u>	RRF227	<u>0909_231.D</u>	RRF228	<u>0909_232.D</u>	RRF229	<u>0909_233.D</u>	RRF230	<u>0909_234.D</u>	RRF231	<u>0909_235.D</u>	RRF232	<u>0909_236.D</u>	RRF233	<u>0909_237.D</u>	RRF234	<u>0909_238.D</u>	RRF235	<u>0909_239.D</u>	RRF236	<u>0909_240.D</u>	RRF237	<u>0909_241.D</u>	RRF238	<u>0909_242.D</u>	RRF239	<u>0909_243.D</u>	RRF240	<u>0909_244.D</u>	RRF241	<u>0909_245.D</u>	RRF242	<u>0909_246.D</u>	RRF243	<u>0909_247.D</u>	RRF244	<u>0909_248.D</u>	RRF245	<u>0909_249.D</u>	RRF246	<u>0909_250.D</u>	RRF247	<u>0909_251.D</u>	RRF248	<u>0909_252.D</u>	RRF249	<u>0909_253.D</u>	RRF250	<u>0909_254.D</u>	RRF251	<u>0909_255.D</u>	RRF252	<u>0909_256.D</u>	RRF253	<u>0909_257.D</u>	RRF254	<u>0909_258.D</u>	RRF255	<u>0909_259.D</u>	RRF256	<u>0909_260.D</u>	RRF257	<u>0909_261.D</u>	RRF258	<u>0909_262.D</u>	RRF259	<u>0909_263.D</u>	RRF260	<u>0909_264.D</u>	RRF261	<u>0909_265.D</u>	RRF262	<u>0909_266.D</u>	RRF263	<u>0909_267.D</u>	RRF264	<u>0909_268.D</u>	RRF265	<u>0909_269.D</u>	RRF266	<u>0909_270.D</u>	RRF267	<u>0909_271.D</u>	RRF268	<u>0909_272.D</u>	RRF269	<u>0909_273.D</u>	RRF270	<u>0909_274.D</u>	RRF271	<u>0909_275.D</u>	RRF272	<u>0909_276.D</u>	RRF273	<u>0909_277.D</u>	RRF274	<u>0909_278.D</u>	RRF275	<u>0909_279.D</u>	RRF276	<u>0909_280.D</u>	RRF277	<u>0909_281.D</u>	RRF278	<u>0909_282.D</u>	RRF279	<u>0909_283.D</u>	RRF280	<u>0909_284.D</u>	RRF281	<u>0909_285.D</u>	RRF282	<u>0909_286.D</u>	RRF283	<u>0909_287.D</u>	RRF284	<u>0909_288.D</u>	RRF285	<u>0909_289.D</u>	RRF286	<u>0909_290.D</u>	RRF287	<u>0909_291.D</u>	RRF288	<u>0909_292.D</u>	RRF289	<u>0909_293.D</u>	RRF290	<u>0909_294.D</u>	RRF291	<u>0909_295.D</u>	RRF292	<u>0909_296.D</u>	RRF293	<u>0909_297.D</u>	RRF294	<u>0909_298.D</u>	RRF295	<u>0909_299.D</u>	RRF296	<u>0909_300.D</u>	RRF297	<u>0909_301.D</u>	RRF298	<u>0909_302.D</u>	RRF299	<u>0909_303.D</u>	RRF300	<u>0909_304.D</u>	RRF301	<u>0909_305.D</u>	RRF302	<u>0909_306.D</u>	RRF303	<u>0909_307.D</u>	RRF304	<u>0909_308.D</u>	RRF305	<u>0909_309.D</u>	RRF306	<u>0909_310.D</u>	RRF307	<u>0909_311.D</u>	RRF308	<u>0909_312.D</u>	RRF309	<u>0909_313.D</u>	RRF310	<u>0909_314.D</u>	RRF311	<u>0909_315.D</u>	RRF312	<u>0909_316.D</u>	RRF313	<u>0909_317.D</u>	RRF314	<u>0909_318.D</u>	RRF315	<u>0909_319.D</u>	RRF316	<u>0909_320.D</u>	RRF317	<u>0909_321.D</u>	RRF318	<u>0909_322.D</u>	RRF319	<u>0909_323.D</u>	RRF320	<u>0909_324.D</u>	RRF321	<u>0909_325.D</u>	RRF322	<u>0909_326.D</u>	RRF323	<u>0909_327.D</u>	RRF324	<u>0909_328.D</u>	RRF325	<u>0909_329.D</u>	RRF326	<u>0909_330.D</u>	RRF327	<u>0909_331.D</u>	RRF328	<u>0909_332.D</u>	RRF329	<u>0909_333.D</u>	RRF330	<u>0909_334.D</u>	RRF331	<u>0909_335.D</u>	RRF332	<u>0909_336.D</u>	RRF333	<u>0909_337.D</u>	RRF334	<u>0909_338.D</u>	RRF335	<u>0909_339.D</u>	RRF336	<u>0909_340.D</u>	RRF337	<u>0909_341.D</u>	RRF338	<u>0909_342.D</u>	RRF339	<u>0909_343.D</u>	RRF340	<u>0909_344.D</u>	RRF341	<u>0909_345.D</u>	RRF342	<u>0909_346.D</u>	RRF343	<u>0909_347.D</u>	RRF344	<u>0909_348.D</u>	RRF345	<u>0909_349.D</u>	RRF346	<u>0909_350.D</u>	RRF347	<u>0909_351.D</u>	RRF348	<u>0909_352.D</u>	RRF349	<u>0909_353.D</u>	RRF350	<u>0909_354.D</u>	RRF351	<u>0909_355.D</u>	RRF352	<u>0909_356.D</u>	RRF353	<u>0909_357.D</u>	RRF354	<u>0909_358.D</u>	RRF355	<u>0909_359.D</u>	RRF356	<u>0909_360.D</u>	RRF357	<u>0909_361.D</u>	RRF358	<u>0909_362.D</u>	RRF359	<u>0909_363.D</u>	RRF360	<u>0909_364.D</u>	RRF361	<u>0909_365.D</u>	RRF362	<u>0909_366.D</u>	RRF363	<u>0909_367.D</u>	RRF364	<u>0909_368.D</u>	RRF365	<u>0909_369.D</u>	RRF366	<u>0909_370.D</u>	RRF367	<u>0909_371.D</u>	RRF368	<u>0909_372.D</u>	RRF369	<u>0909_373.D</u>	RRF370	<u>0909_374.D</u>	RRF371	<u>0909_375.D</u>	RRF372	<u>0909_376.D</u>	RRF373	<u>0909_377.D</u>	RRF374	<u>0909_378.D</u>	RRF375	<u>0909_379.D</u>	RRF376	<u>0909_380.D</u>	RRF377	<u>0909_381.D</u>	RRF378	<u>0909_382.D</u>	RRF379	<u>0909_383.D</u>	RRF380	<u>0909_384.D</u>	RRF381	<u>0909_385.D</u>	RRF382	<u>0909_386.D</u>	RRF383	<u>0909_387.D</u>	RRF384	<u>0909_388.D</u>	RRF385	<u>0909_389.D</u>	RRF386	<u>0909_390.D</u>	RRF387	<u>0909_391.D</u>	RRF388	<u>0909_392.D</u>	RRF3

Quantitation Report (RF) (QT Reviewed)

Data Path : H:\AIR2025\CHEM20\09SEP\09\
 Data File : 0909_05.D
 Acq On : 9 Sep 2025 1:10 pm
 Operator :
 Client ID : ICAL 0.01
 Lab ID : 0.01 ppb; T01515A
 ALS Vial : 31 Sample Multiplier: 1

Quant Time: Sep 10 12:49:42 2025
 Quant Method : H:\AIR2025\CHEM20\Methods\20_AIR_0909.M
 Quant Title : VOA Standards for 5 point calibration
 QLast Update : Wed Sep 10 11:24:27 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	6.949	130	162464	10.000	ng	0.00
36) 1,4-Difluorobenzene	8.126	114	555340	10.000	ng	0.00
53) Chlorobenzene-d5	10.617	82	262210	10.000	ng	0.00
78) Bromochloromethane(sim)	6.951	130	176973	10.000	ng	# 0.00
93) 1,4-Difluorobenzene(sim)	8.126	114	555393	10.000	ng	0.00
103) Chlorobenzene-d5(sim)	10.617	82	262210	10.000	ng	0.00

System Monitoring Compounds

62) % Bromofluorobenzene	11.458	95	346058	10.116	ppbv	0.00
Spiked Amount	10.000	Range 70 - 130	Recovery	=	101.20%	

Target Compounds

					Qvalue	
2) Propylene	3.608	41	871	0.059	ppbv	91
3) Dichlorodifluoromethane	3.673	85	866	0.019	ppbv#	79
4) Chloromethane	3.811	50	373	0.025	ppbv	67
5) 1,2-Dichlorotetrafluor...	3.900	85	860	0.021	ppbv#	90
6) Vinyl Chloride	4.006	62	173	0.012	ppbv	89
7) 1,3-Butadiene	4.127	54	68	0.006	ppbv#	69
8) Bromomethane	4.338	94	259	0.017	ppbv#	68
9) Chloroethane	4.476	64	60	0.009	ppbv#	39
11) Ethanol	4.598	45	63	0.013	ppbv#	99
12) Acetone	4.955	43	1601	0.053	ppbv#	82
13) Trichlorofluoromethane	5.052	101	826	0.018	ppbv#	82
14) Isopropylalcohol	5.133	45	460	0.015	ppbv#	98
15) Acrylonitrile	0.000	53	0	0.000	ppbv	0
16) 1,1-Dichloroethene	5.491	61	360	0.014	ppbv#	74
17) Methylene Chloride	5.563	49	1096	0.051	ppbv	98
20) Carbon Disulfide	5.789	76	667	0.017	ppbv#	72
21) Trichlorotrifluoroethane	5.747	101	688	0.021	ppbv#	79
22) Trans-1,2-Dichloroethene	6.187	61	423	0.018	ppbv#	83
23) 1,1-Dichloroethane	6.312	63	652	0.023	ppbv#	61
24) Methyl tert-butyl ethe...	6.343	73	38	0.001	ppbv#	21
25) Methyl Ethyl Ketone	6.588	43	281	0.008	ppbv#	100
26) Cis-1,2-Dichloroethene	6.832	61	294	0.013	ppbv#	82
27) Hexane	6.964	57	380	0.018	ppbv#	37
28) Chloroform	7.026	83	621	0.018	ppbv#	75
29) Ethyl acetate	0.000	61	0	0.000	ppbv	0
30) Tetrahydrofuran	7.320	42	51	0.003	ppbv#	38
31) 1,2-Dichloroethane	7.499	62	383	0.016	ppbv#	62
32) 1,1,1-Trichloroethane	7.646	97	535	0.015	ppbv	85
33) Benzene	7.935	78	1153	0.026	ppbv#	83
34) Carbon Tetrachloride	8.022	117	771	0.019	ppbv	94
35) Cyclohexane	8.117	84	1783	0.098	ppbv#	39
37) 1,2-dichloropropane	8.420	63	195	0.010	ppbv#	74
38) Bromodichloromethane	8.532	83	860	0.024	ppbv	88
39) Trichloroethene	8.558	130	485	0.021	ppbv#	75
40) 2,2,4-trimethylpentane	8.567	57	1141	0.016	ppbv#	92
41) 1,4-Dioxane	0.000	88	0	0.000	ppbv	0
43) Heptane	8.705	43	524	0.018	ppbv#	85
44) cis-1,3-Dichloropropene	9.054	75	363	0.013	ppbv	86
45) 4-Methyl-2-pentanone(M...	9.075	43	525	0.013	ppbv#	50
46) trans-1,3-Dichloropropene	9.349	75	352	0.016	ppbv#	47
47) 1,1,2-Trichloroethane	9.455	97	274	0.013	ppbv#	81
48) Toluene	9.624	91	1547	0.027	ppbv#	91

Quantitation Report (RF) (QT Reviewed)

Data Path : H:\AIR2025\CHEM20\09SEP\09\
 Data File : 0909_05.D
 Acq On : 9 Sep 2025 1:10 pm
 Operator :
 Client ID : ICAL 0.01
 Lab ID : 0.01 ppb; T01515A
 ALS Vial : 31 Sample Multiplier: 1

Quant Time: Sep 10 12:49:42 2025
 Quant Method : H:\AIR2025\CHEM20\Methods\20_AIR_0909.M
 Quant Title : VOA Standards for 5 point calibration
 QLast Update : Wed Sep 10 11:24:27 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
49) Dibromochloromethane	9.877	129	752	0.017	ppbv#	91
50) 2-Hexanone(MBK)	9.750	43	157	0.004	ppbv#	99
51) 1,2-Dibromoethane(EDB)	10.018	107	451	0.013	ppbv	93
52) Tetrachloroethene	10.264	166	722	0.019	ppbv#	85
54) 1,1,1,2-Tetrachloroethane	10.632	131	510	0.019	ppbv#	86
55) Chlorobenzene	10.647	112	1148	0.026	ppbv#	36
56) Ethylbenzene	10.837	91	1380	0.021	ppbv	78
57) m,p-Xylene	10.928	91	2056	0.041	ppbv	100
58) Bromoform	11.011	173	791	0.016	ppbv	91
59) Styrene	11.140	104	447	0.012	ppbv#	34
60) 1,1,2,2-Tetrachloroethane	11.201	83	717	0.018	ppbv	88
61) o-Xylene	11.201	91	1035	0.020	ppbv#	84
64) Isopropylbenzene	11.527	105	1963	0.025	ppbv#	92
65) 4-Ethyltoluene	11.898	105	1469	0.019	ppbv#	77
66) 1,3,5-Trimethylbenzene	11.936	105	1241	0.020	ppbv#	97
67) 1,2,4-Trimethylbenzene	12.187	105	836	0.013	ppbv#	85
68) Benzyl chloride	12.286	91	370	0.008	ppbv#	60
69) 1,3-Dichlorobenzene	12.301	146	893	0.017	ppbv	95
70) 1,4-Dichlorobenzene	12.339	146	867	0.018	ppbv	100
71) sec-Butylbenzene	12.354	105	1406	0.015	ppbv#	81
72) 4-Isopropyltoluene	12.445	119	1395	0.016	ppbv	100
73) 1,2-Dichlorobenzene	12.559	146	743	0.015	ppbv#	73
74) n-Butylbenzene	12.703	91	589	0.008	ppbv#	81
75) 1,2,4-Trichlorobenzene	13.706	180	246	0.007	ppbv#	78
76) Naphthalene	13.797	128	244	0.004	ppbv#	100
77) Hexachlorobutadiene	14.040	225	1033	0.022	ppbv	96
79] 1,2-Dichlorotetrafluor...	3.903	85	845m	0.019	ppbv	90
80] Vinyl Chloride(sim)	4.000	62	324	0.017	ppbv	96
81] Bromomethane(sim)	4.341	94	315m	0.017	ppbv	69
82] Trichlorofluoromethane...	5.047	101	928	0.016	ppbv#	93
83] 1,2-Dichloroethane(sim)	7.486	62	476m	0.017	ppbv	61
84] 1,1,1-Trichloroethane(...	7.649	97	713	0.016	ppbv#	93
85] Benzene(sim)	7.929	78	1274m	0.027	ppbv	83
86] Carbon Tetrachloride(sim)	8.025	117	794	0.016	ppbv	98
87] 1,1-Dichloroethene(sim)	5.488	61	485m	0.016	ppbv	63
88] Trichlorotrifluoroetha...	5.738	101	763	0.017	ppbv#	89
89] Trans-1,2-Dichloroethe...	6.184	61	536m	0.022	ppbv	83
90] 1,1-Dichloroethane(sim)	6.315	63	583	0.016	ppbv	93
91] Cis-1,2-Dichloroethene...	6.843	61	420m	0.017	ppbv	82
92] Chloroform(sim)	7.021	83	794	0.020	ppbv#	90
94] 1,2-dichloropropane(sim)	8.423	63	452	0.019	ppbv#	77
95] Bromodichloromethane(sim)	8.535	83	761m	0.019	ppbv	88
96] Trichloroethene(sim)	8.561	130	546	0.018	ppbv	89
97] 1,4-Dioxane(sim)	8.578	88	113m	0.013	ppbv	0
98] cis-1,3-Dichloropropen...	9.056	75	487	0.015	ppbv	95
99] 1,1,2-Trichloroethane(...	9.465	97	419m	0.017	ppbv	79
100] Dibromochloromethane(sim)	9.873	129	843	0.015	ppbv	96
101] 1,2-Dibromoethane(EDB)...	10.021	107	625m	0.016	ppbv	93
102] Tetrachloroethene(sim)	10.267	166	869	0.018	ppbv	95
104] Bromoform(sim)	11.006	173	1010	0.016	ppbv	99
105] m,p-Xylene(sim)	10.928	91	2056	0.038	ppbv#	95
106] 1,1,2,2-Tetrachloroeth...	11.196	83	890	0.016	ppbv#	93
107] Benzyl chloride(sim)	12.281	91	408m	0.009	ppbv	60
108] 1,3-Dichlorobenzene(sim)	12.304	146	1152	0.018	ppbv#	90
109] 1,4-Dichlorobenzene(sim)	12.339	146	867	0.017	ppbv	88

Quantitation Report (RF) (QT Reviewed)

Data Path : H:\AIR2025\CHEM20\09SEP\09\
Data File : 0909_05.D
Acq On : 9 Sep 2025 1:10 pm
Operator :
Client ID : ICAL 0.01
Lab ID : 0.01 ppb; T01515A
ALS Vial : 31 Sample Multiplier: 1

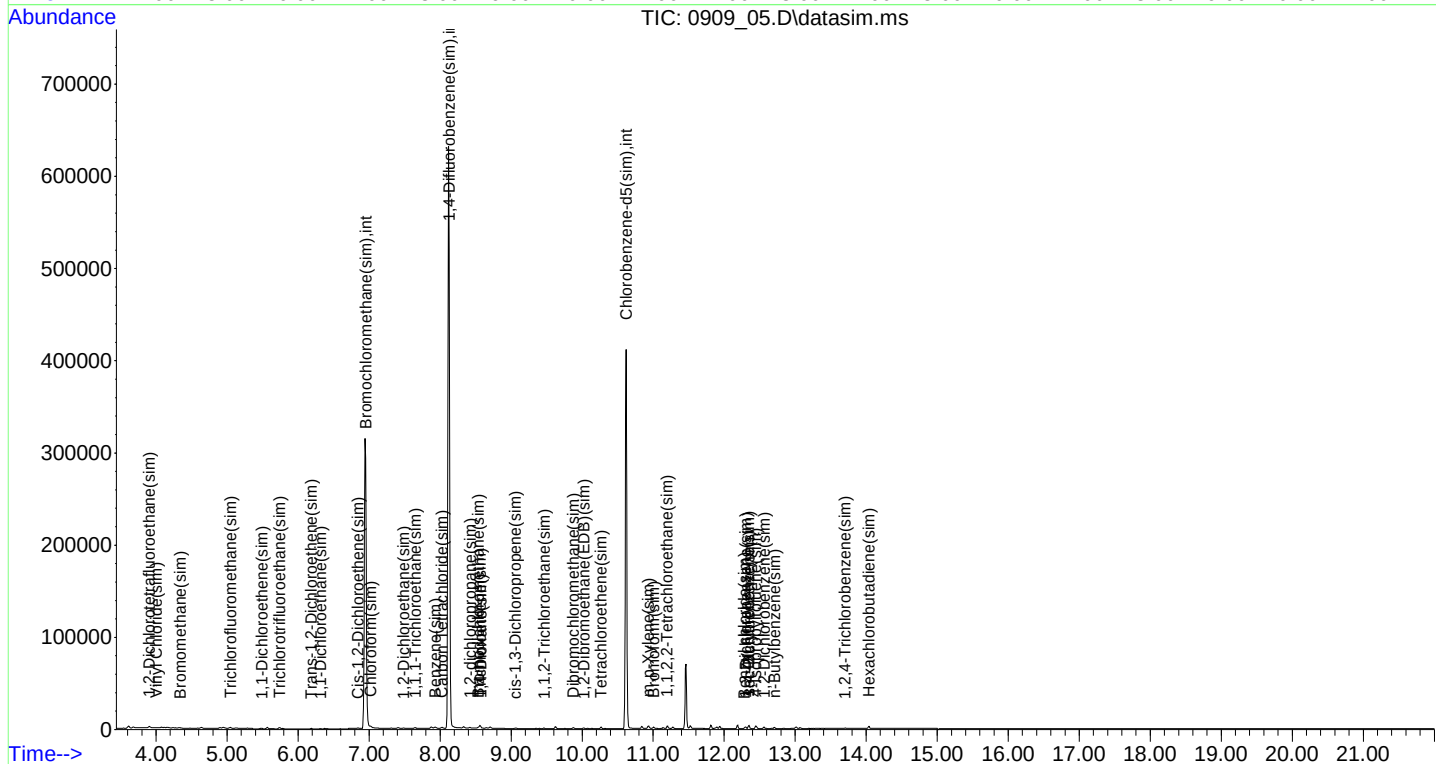
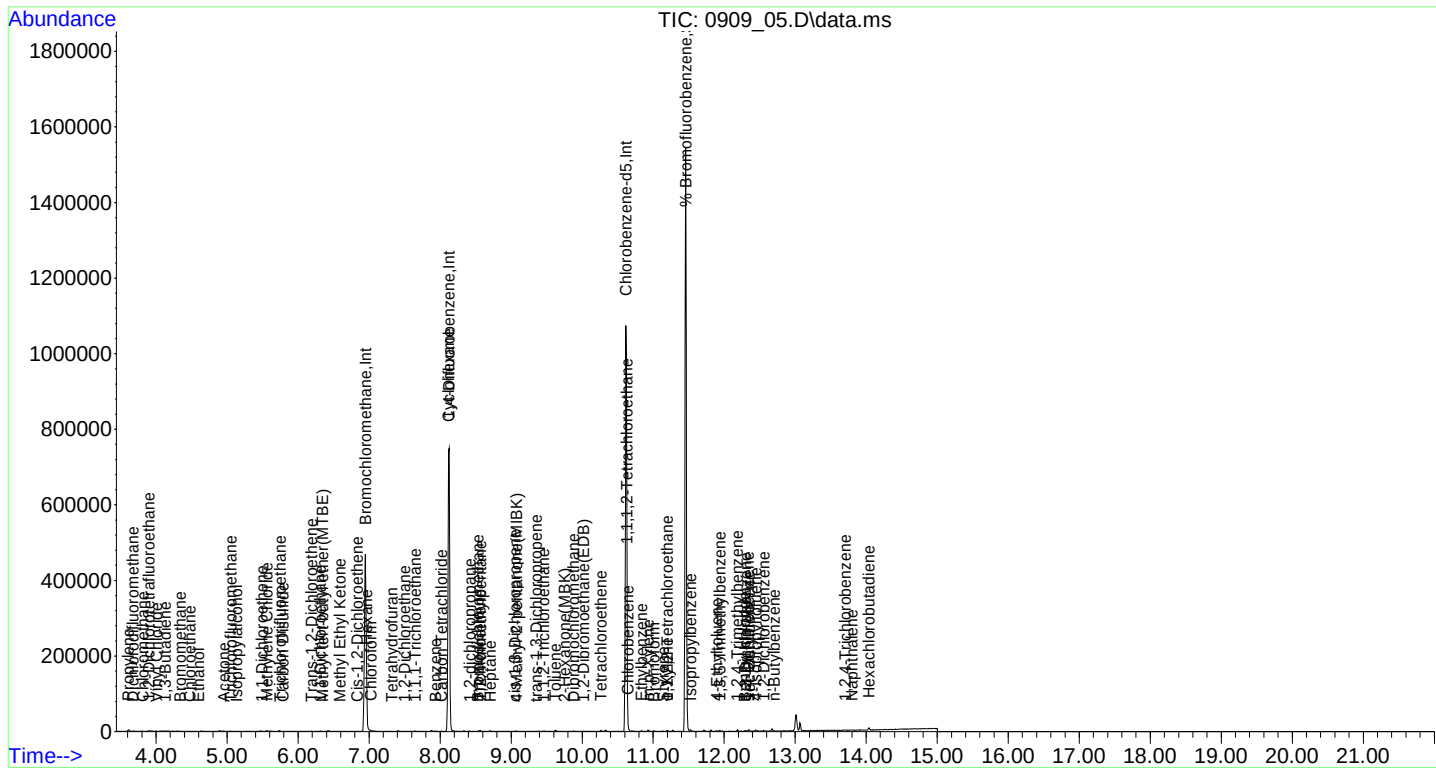
Quant Time: Sep 10 12:49:42 2025
Quant Method : H:\AIR2025\CHEM20\Methods\20_AIR_0909.M
Quant Title : VOA Standards for 5 point calibration
QLast Update : Wed Sep 10 11:24:27 2025
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
110]	sec-Butylbenzene(sim)	12.349	105	1578	0.015	ppbv	96
111]	4-Isopropyltoluene(sim)	12.441	119	1561m	0.018	ppbv	76
112]	1,2-Dichlorobenzene(sim)	12.562	146	1002	0.017	ppbv	90
113]	n-Butylbenzene(sim)	12.703	91	589	0.008	ppbv	81
114]	1,2,4-Trichlorobenzene...	13.701	180	359	0.009	ppbv	97
116]	Hexachlorobutadiene(sim)	14.035	225	1312	0.019	ppbv	98

(#)out of range (m>manual integration reviewed by analyst (+)signals summed

Data Path : H:\AIR2025\CHEM20\09SEP\09\
Data File : 0909_05.D
Acq On : 9 Sep 2025 1:10 pm
Operator :
Client ID : ICAL 0.01
Lab ID : 0.01 ppb; T01515A
ALS Vial : 31 Sample Multiplier: 1

Quant Time: Sep 10 12:49:42 2025
Quant Method : H:\AIR2025\CHEM20\Methods\20_AIR_0909.M
Quant Title : VOA Standards for 5 point calibration
Qlast Update : Wed Sep 10 11:24:27 2025
Response via : Initial Calibration



Quantitation Report (RF) (QT Reviewed)

Data Path : H:\AIR2025\CHEM20\09SEP\09\
 Data File : 0909_06.D
 Acq On : 9 Sep 2025 1:43 pm
 Operator :
 Client ID : ICAL 0.02
 Lab ID : 0.02 ppb; T01515A
 ALS Vial : 1 Sample Multiplier: 1

Quant Time: Sep 10 12:50:20 2025
 Quant Method : H:\AIR2025\CHEM20\Methods\20_AIR_0909.M
 Quant Title : VOA Standards for 5 point calibration
 QLast Update : Wed Sep 10 11:24:27 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	6.949	130	161059	10.000	ng	0.00
36) 1,4-Difluorobenzene	8.126	114	553512	10.000	ng	0.00
53) Chlorobenzene-d5	10.617	82	261364	10.000	ng	0.00
78) Bromochloromethane(sim)	6.951	130	178204	10.000	ng	# 0.00
93) 1,4-Difluorobenzene(sim)	8.126	114	553512	10.000	ng	0.00
103) Chlorobenzene-d5(sim)	10.617	82	261364	10.000	ng	0.00

System Monitoring Compounds

62) % Bromofluorobenzene	11.458	95	354073	10.383	ppbv	0.00
Spiked Amount	10.000	Range	70 - 130	Recovery	= 103.80%	

Target Compounds

					Qvalue	
2) Propylene	3.608	41	1016	0.070	ppbv	85
3) Dichlorodifluoromethane	3.673	85	1146	0.026	ppbv#	92
4) Chloromethane	3.811	50	530	0.036	ppbv#	39
5) 1,2-Dichlorotetrafluor...	3.900	85	1037	0.025	ppbv#	59
6) Vinyl Chloride	4.006	62	312	0.021	ppbv#	39
7) 1,3-Butadiene	4.119	54	239	0.021	ppbv#	65
8) Bromomethane	4.338	94	489	0.032	ppbv#	80
9) Chloroethane	4.476	64	59	0.009	ppbv#	23
11) Ethanol	4.582	45	399	0.080	ppbv#	44
12) Acetone	4.938	43	1892	0.064	ppbv#	79
13) Trichlorofluoromethane	5.044	101	1278	0.028	ppbv#	91
14) Isopropylalcohol	5.133	45	874	0.029	ppbv#	98
15) Acrylonitrile	0.000	53	0	0.000	ppbv	0
16) 1,1-Dichloroethene	5.479	61	610	0.023	ppbv#	80
17) Methylene Chloride	5.563	49	1388	0.065	ppbv	98
20) Carbon Disulfide	5.783	76	1142	0.029	ppbv#	72
21) Trichlorotrifluoroethane	5.735	101	975	0.030	ppbv#	77
22) Trans-1,2-Dichloroethene	6.181	61	697	0.030	ppbv	91
23) 1,1-Dichloroethane	6.307	63	813	0.029	ppbv#	56
24) Methyl tert-butyl ethe...	6.374	73	892	0.025	ppbv#	89
25) Methyl Ethyl Ketone	6.594	43	853	0.025	ppbv#	100
26) Cis-1,2-Dichloroethene	6.832	61	598	0.028	ppbv#	84
27) Hexane	6.956	57	639	0.030	ppbv#	70
28) Chloroform	7.018	83	899	0.027	ppbv	80
29) Ethyl acetate	0.000	61	0	0.000	ppbv	0
30) Tetrahydrofuran	7.320	42	400	0.024	ppbv#	38
31) 1,2-Dichloroethane	7.483	62	563	0.024	ppbv#	60
32) 1,1,1-Trichloroethane	7.646	97	908	0.025	ppbv	93
33) Benzene	7.935	78	1691	0.038	ppbv#	92
34) Carbon Tetrachloride	8.022	117	1010	0.025	ppbv	93
35) Cyclohexane	8.117	84	2073	0.115	ppbv#	46
37) 1,2-dichloropropane	8.420	63	573	0.030	ppbv#	86
38) Bromodichloromethane	8.532	83	1123	0.031	ppbv	82
39) Trichloroethene	8.558	130	590	0.026	ppbv	94
40) 2,2,4-trimethylpentane	8.567	57	1912	0.028	ppbv#	90
41) 1,4-Dioxane	8.575	88	58	0.006	ppbv#	71
43) Heptane	8.705	43	853	0.029	ppbv#	90
44) cis-1,3-Dichloropropene	9.054	75	585	0.022	ppbv	72
45) 4-Methyl-2-pentanone(M...	9.068	43	993	0.024	ppbv#	61
46) trans-1,3-Dichloropropene	9.349	75	421	0.020	ppbv#	61
47) 1,1,2-Trichloroethane	9.462	97	511	0.025	ppbv#	86
48) Toluene	9.631	91	1970	0.035	ppbv#	95

Quantitation Report (RF) (QT Reviewed)

Data Path : H:\AIR2025\CHEM20\09SEP\09\
 Data File : 0909_06.D
 Acq On : 9 Sep 2025 1:43 pm
 Operator :
 Client ID : ICAL 0.02
 Lab ID : 0.02 ppb; T01515A
 ALS Vial : 1 Sample Multiplier: 1

Quant Time: Sep 10 12:50:20 2025
 Quant Method : H:\AIR2025\CHEM20\Methods\20_AIR_0909.M
 Quant Title : VOA Standards for 5 point calibration
 QLast Update : Wed Sep 10 11:24:27 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
49) Dibromochloromethane	9.877	129	1253	0.029	ppbv	96
50) 2-Hexanone(MBK)	9.757	43	666	0.017	ppbv#	72
51) 1,2-Dibromoethane(EDB)	10.018	107	851	0.025	ppbv	85
52) Tetrachloroethene	10.264	166	1140	0.029	ppbv#	82
54) 1,1,1,2-Tetrachloroethane	10.632	131	701	0.026	ppbv#	79
55) Chlorobenzene	10.639	112	1369	0.031	ppbv#	1
56) Ethylbenzene	10.837	91	2003	0.031	ppbv	82
57) m, p-Xylene	10.935	91	2973	0.060	ppbv	100
58) Bromoform	11.011	173	1283	0.026	ppbv	96
59) Styrene	11.140	104	759	0.020	ppbv#	57
60) 1,1,2,2-Tetrachloroethane	11.193	83	1178	0.029	ppbv	94
61) o-Xylene	11.193	91	1481	0.028	ppbv#	86
64) Isopropylbenzene	11.527	105	2470	0.031	ppbv#	93
65) 4-Ethyltoluene	11.898	105	1979	0.026	ppbv	90
66) 1,3,5-Trimethylbenzene	11.936	105	2020	0.032	ppbv#	95
67) 1,2,4-Trimethylbenzene	12.187	105	1547	0.024	ppbv#	88
68) Benzyl chloride	12.286	91	846	0.018	ppbv#	70
69) 1,3-Dichlorobenzene	12.301	146	1394	0.026	ppbv#	89
70) 1,4-Dichlorobenzene	12.347	146	1280	0.026	ppbv	100
71) sec-Butylbenzene	12.354	105	2307	0.024	ppbv#	87
72) 4-Isopropyltoluene	12.438	119	1989	0.022	ppbv	100
73) 1,2-Dichlorobenzene	12.559	146	1259	0.026	ppbv	92
74) n-Butylbenzene	12.703	91	1352	0.018	ppbv#	93
75) 1,2,4-Trichlorobenzene	13.706	180	548	0.015	ppbv#	71
76) Naphthalene	13.789	128	610	0.011	ppbv#	100
77) Hexachlorobutadiene	14.040	225	1561	0.033	ppbv	93
79] 1,2-Dichlorotetrafluor...	3.900	85	1037	0.024	ppbv#	59
80] Vinyl Chloride(sim)	4.009	62	454	0.024	ppbv	89
81] Bromomethane(sim)	4.341	94	474m	0.026	ppbv	80
82] Trichlorofluoromethane...	5.047	101	1385	0.024	ppbv#	97
83] 1,2-Dichloroethane(sim)	7.486	62	686m	0.025	ppbv	58
84] 1,1,1-Trichloroethane(...	7.649	97	1092	0.024	ppbv#	93
85] Benzene(sim)	7.929	78	1746m	0.037	ppbv	92
86] Carbon Tetrachloride(sim)	8.025	117	1153	0.023	ppbv	97
87] 1,1-Dichloroethene(sim)	5.488	61	802m	0.026	ppbv	80
88] Trichlorotrifluoroetha...	5.738	101	1108	0.025	ppbv#	92
89] Trans-1,2-Dichloroethe...	6.184	61	744m	0.031	ppbv	91
90] 1,1-Dichloroethane(sim)	6.315	63	866	0.024	ppbv	97
91] Cis-1,2-Dichloroethene...	6.832	61	598	0.023	ppbv#	84
92] Chloroform(sim)	7.021	83	1106	0.027	ppbv#	86
94] 1,2-dichloropropane(sim)	8.423	63	643	0.028	ppbv#	81
95] Bromodichloromethane(sim)	8.535	83	1197m	0.030	ppbv	78
96] Trichloroethene(sim)	8.561	130	783	0.026	ppbv	91
97] 1,4-Dioxane(sim)	8.570	88	218m	0.024	ppbv	71
98] cis-1,3-Dichloropropen...	9.056	75	756	0.023	ppbv#	94
99] 1,1,2-Trichloroethane(...	9.465	97	620m	0.025	ppbv	91
100] Dibromochloromethane(sim)	9.873	129	1295	0.024	ppbv	98
101] 1,2-Dibromoethane(EDB)...	10.021	107	1001m	0.025	ppbv	86
102] Tetrachloroethene(sim)	10.267	166	1287	0.026	ppbv	95
104] Bromoform(sim)	11.006	173	1570	0.025	ppbv	98
105] m, p-Xylene(sim)	10.935	91	2973	0.056	ppbv#	92
106] 1,1,2,2-Tetrachloroeth...	11.196	83	1339	0.024	ppbv#	97
107] Benzyl chloride(sim)	12.286	91	846	0.019	ppbv	70
108] 1,3-Dichlorobenzene(sim)	12.304	146	1702	0.026	ppbv#	90
109] 1,4-Dichlorobenzene(sim)	12.347	146	1280	0.025	ppbv#	83

Quantitation Report (RF) (QT Reviewed)

Data Path : H:\AIR2025\CHEM20\09SEP\09\
Data File : 0909_06.D
Acq On : 9 Sep 2025 1:43 pm
Operator :
Client ID : ICAL 0.02
Lab ID : 0.02 ppb; T01515A
ALS Vial : 1 Sample Multiplier: 1

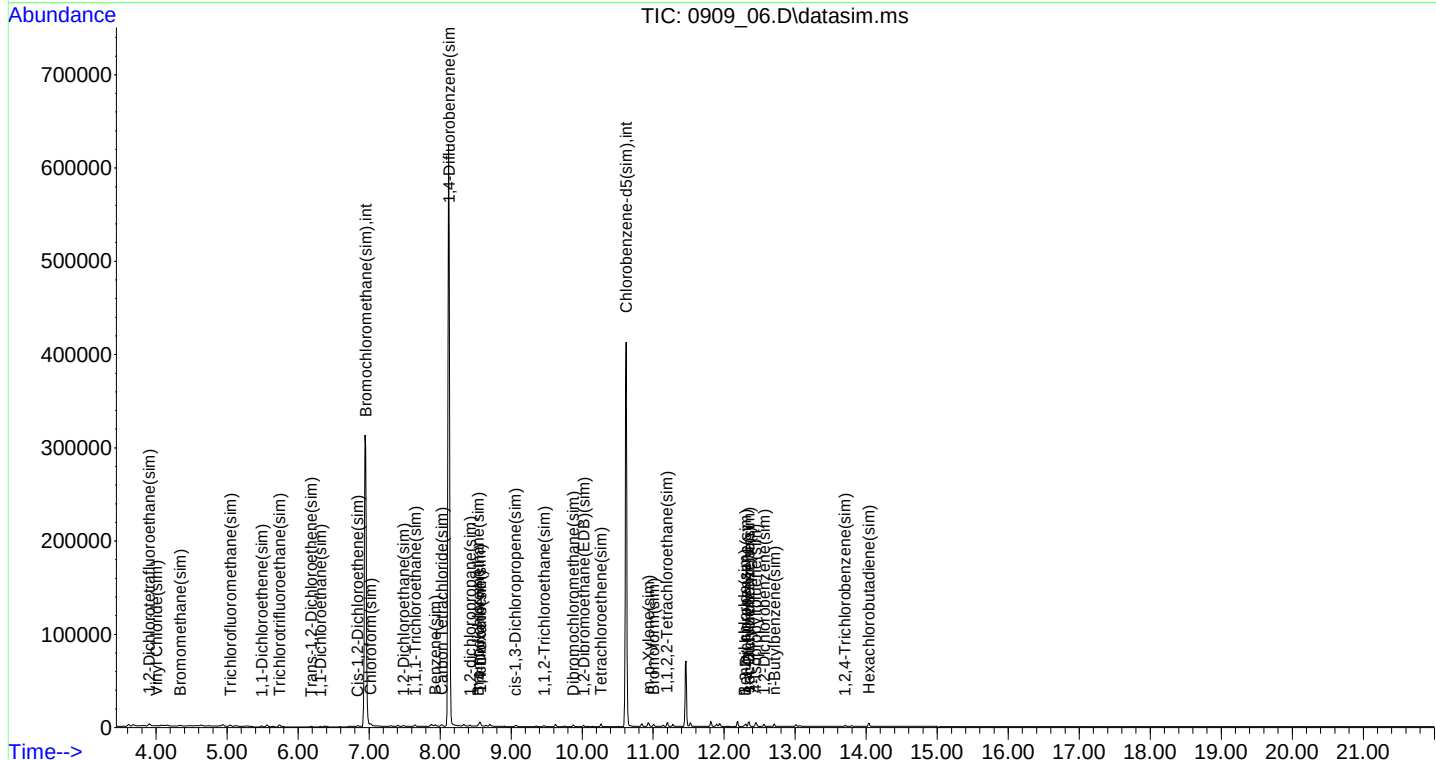
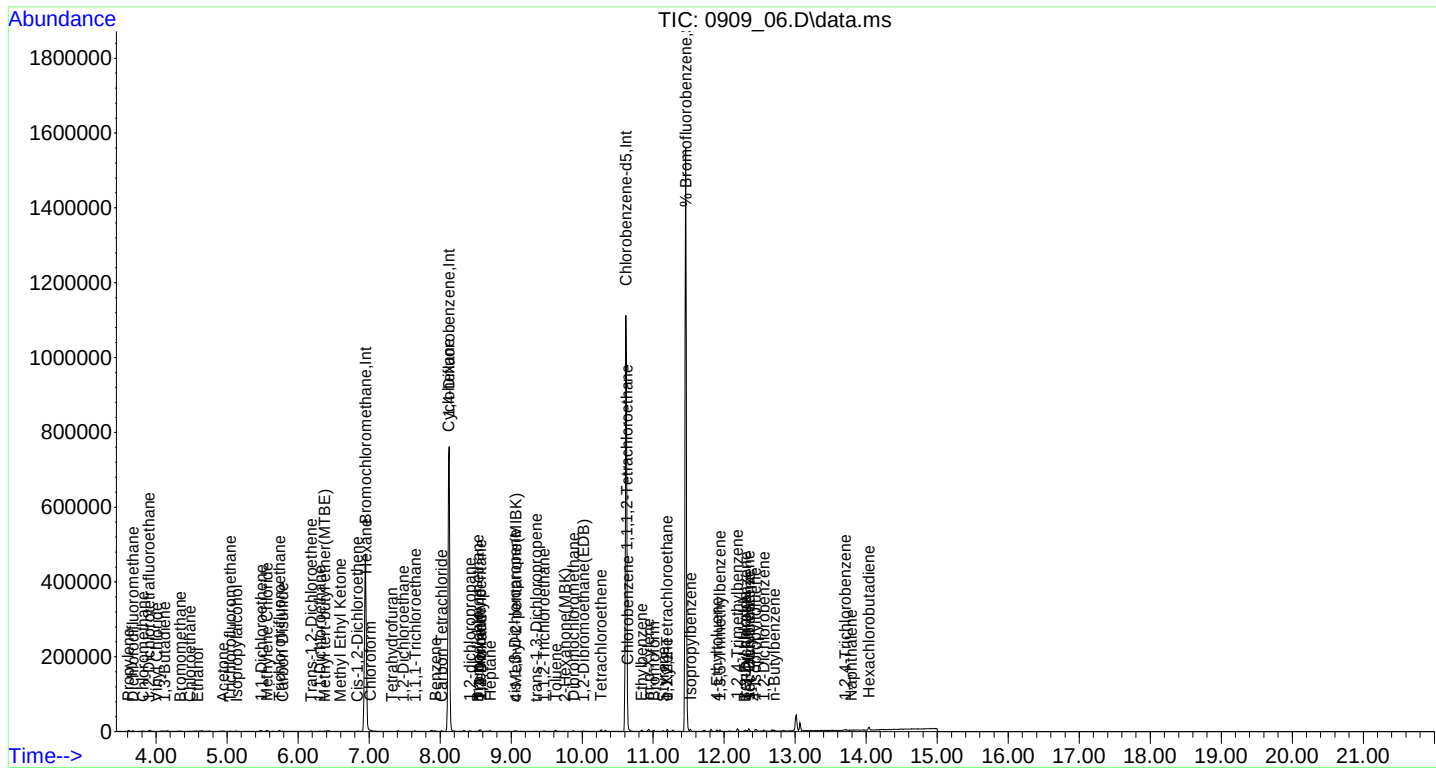
Quant Time: Sep 10 12:50:20 2025
Quant Method : H:\AIR2025\CHEM20\Methods\20_AIR_0909.M
Quant Title : VOA Standards for 5 point calibration
QLast Update : Wed Sep 10 11:24:27 2025
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
110]	sec-Butylbenzene(sim)	12.349	105	2405	0.023	ppbv	96
111]	4-Isopropyltoluene(sim)	12.438	119	1989	0.022	ppbv#	83
112]	1,2-Dichlorobenzene(sim)	12.562	146	1558	0.026	ppbv	91
113]	n-Butylbenzene(sim)	12.703	91	1352	0.018	ppbv	93
114]	1,2,4-Trichlorobenzene...	13.701	180	696	0.018	ppbv	98
116]	Hexachlorobutadiene(sim)	14.035	225	2028	0.029	ppbv	99

(#)out of range (m>manual integration reviewed by analyst (+)signals summed

Data Path : H:\AIR2025\CHEM20\09SEP\09\
Data File : 0909_06.D
Acq On : 9 Sep 2025 1:43 pm
Operator :
Client ID : ICAL 0.02
Lab ID : 0.02 ppb; T01515A
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Sep 10 12:50:20 2025
Quant Method : H:\AIR2025\CHEM20\Methods\20_AIR_0909.M
Quant Title : VOA Standards for 5 point calibration
Qlast Update : Wed Sep 10 11:24:27 2025
Response via : Initial Calibration



Quantitation Report (RF) (QT Reviewed)

Data Path : H:\AIR2025\CHEM20\09SEP\09\
 Data File : 0909_07.D
 Acq On : 9 Sep 2025 2:17 pm
 Operator :
 Client ID : ICAL 0.035
 Lab ID : 0.035 ppb; T01515A
 ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 10 12:51:04 2025
 Quant Method : H:\AIR2025\CHEM20\Methods\20_AIR_0909.M
 Quant Title : VOA Standards for 5 point calibration
 QLast Update : Wed Sep 10 11:24:27 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	6.948	130	160431	10.000	ng	0.00
36) 1,4-Difluorobenzene	8.126	114	551151	10.000	ng	0.00
53) Chlorobenzene-d5	10.617	82	262698	10.000	ng	0.00
78) Bromochloromethane(sim)	6.951	130	177581	10.000	ng	# 0.00
93) 1,4-Difluorobenzene(sim)	8.126	114	551151	10.000	ng	0.00
103) Chlorobenzene-d5(sim)	10.617	82	262698	10.000	ng	0.00

System Monitoring Compounds

62) % Bromofluorobenzene	11.458	95	353217	10.306	ppbv	0.00
Spiked Amount	10.000	Range 70 - 130	Recovery	= 103.10%		

Target Compounds

						Qvalue
2) Propylene	3.608	41	1119	0.077	ppbv	90
3) Dichlorodifluoromethane	3.681	85	1812	0.041	ppbv	97
4) Chloromethane	3.827	50	673	0.046	ppbv#	53
5) 1,2-Dichlorotetrafluor...	3.908	85	1670	0.040	ppbv#	82
6) Vinyl Chloride	4.014	62	589	0.040	ppbv	83
7) 1,3-Butadiene	4.119	54	539	0.048	ppbv	95
8) Bromomethane	4.346	94	614	0.041	ppbv#	83
9) Chloroethane	4.484	64	148	0.023	ppbv#	39
11) Ethanol	4.590	45	753	0.152	ppbv#	99
12) Acetone	4.938	43	2795	0.094	ppbv#	79
13) Trichlorofluoromethane	5.044	101	1939	0.043	ppbv#	95
14) Isopropylalcohol	5.125	45	1586	0.053	ppbv#	98
15) Acrylonitrile	5.255	53	352	0.037	ppbv#	1
16) 1,1-Dichloroethene	5.485	61	1098	0.042	ppbv	92
17) Methylene Chloride	5.563	49	1866	0.088	ppbv#	91
20) Carbon Disulfide	5.783	76	1864	0.047	ppbv#	77
21) Trichlorotrifluoroethane	5.729	101	1451	0.044	ppbv#	87
22) Trans-1,2-Dichloroethene	6.181	61	829	0.036	ppbv#	88
23) 1,1-Dichloroethane	6.317	63	1113	0.039	ppbv	83
24) Methyl tert-butyl ethe...	6.369	73	1392	0.039	ppbv#	85
25) Methyl Ethyl Ketone	6.583	43	1385	0.041	ppbv#	100
26) Cis-1,2-Dichloroethene	6.848	61	750	0.035	ppbv#	63
27) Hexane	6.964	57	939	0.044	ppbv#	83
28) Chloroform	7.026	83	1375	0.041	ppbv	77
29) Ethyl acetate	0.000	61	0	0.000	ppbv	0
30) Tetrahydrofuran	7.313	42	462	0.027	ppbv#	74
31) 1,2-Dichloroethane	7.491	62	785	0.034	ppbv	93
32) 1,1,1-Trichloroethane	7.646	97	1462	0.040	ppbv	88
33) Benzene	7.935	78	2309	0.052	ppbv#	91
34) Carbon Tetrachloride	8.030	117	1648	0.041	ppbv	96
35) Cyclohexane	8.117	84	2706	0.151	ppbv#	64
37) 1,2-dichloropropane	8.428	63	825	0.044	ppbv#	73
38) Bromodichloromethane	8.541	83	1349	0.038	ppbv	86
39) Trichloroethene	8.558	130	997	0.043	ppbv#	88
40) 2,2,4-trimethylpentane	8.567	57	2459	0.036	ppbv	91
41) 1,4-Dioxane	8.584	88	297	0.032	ppbv	93
43) Heptane	8.705	43	1268	0.043	ppbv#	71
44) cis-1,3-Dichloropropene	9.053	75	950	0.035	ppbv	93
45) 4-Methyl-2-pentanone(M...	9.075	43	1538	0.037	ppbv#	74
46) trans-1,3-Dichloropropene	9.356	75	807	0.038	ppbv#	78
47) 1,1,2-Trichloroethane	9.462	97	910	0.044	ppbv	95
48) Toluene	9.624	91	2442	0.044	ppbv#	94

Quantitation Report (RF) (QT Reviewed)

Data Path : H:\AIR2025\CHEM20\09SEP\09\
 Data File : 0909_07.D
 Acq On : 9 Sep 2025 2:17 pm
 Operator :
 Client ID : ICAL 0.035
 Lab ID : 0.035 ppb; T01515A
 ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 10 12:51:04 2025
 Quant Method : H:\AIR2025\CHEM20\Methods\20_AIR_0909.M
 Quant Title : VOA Standards for 5 point calibration
 QLast Update : Wed Sep 10 11:24:27 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
49) Dibromochloromethane	9.877	129	1823	0.042	ppbv	95
50) 2-Hexanone(MBK)	9.757	43	1055	0.028	ppbv#	58
51) 1,2-Dibromoethane(EDB)	10.018	107	1412	0.041	ppbv	94
52) Tetrachloroethene	10.264	166	1481	0.038	ppbv	92
54) 1,1,1,2-Tetrachloroethane	10.632	131	1154	0.043	ppbv#	94
55) Chlorobenzene	10.647	112	2210	0.049	ppbv#	1
56) Ethylbenzene	10.837	91	2836	0.044	ppbv	82
57) m,p-Xylene	10.935	91	4202	0.084	ppbv	100
58) Bromoform	11.011	173	2025	0.041	ppbv#	92
59) Styrene	11.140	104	1253	0.033	ppbv#	67
60) 1,1,2,2-Tetrachloroethane	11.201	83	1837	0.045	ppbv	94
61) o-Xylene	11.201	91	1993	0.038	ppbv#	86
64) Isopropylbenzene	11.519	105	3645	0.046	ppbv#	93
65) 4-Ethyltoluene	11.898	105	2665	0.035	ppbv#	89
66) 1,3,5-Trimethylbenzene	11.936	105	2742	0.044	ppbv#	88
67) 1,2,4-Trimethylbenzene	12.187	105	2102	0.033	ppbv	91
68) Benzyl chloride	12.286	91	1334	0.028	ppbv	97
69) 1,3-Dichlorobenzene	12.301	146	2343	0.044	ppbv#	87
70) 1,4-Dichlorobenzene	12.346	146	1994	0.041	ppbv	100
71) sec-Butylbenzene	12.354	105	3330	0.035	ppbv#	86
72) 4-Isopropyltoluene	12.445	119	3479	0.039	ppbv	100
73) 1,2-Dichlorobenzene	12.559	146	1830	0.037	ppbv	99
74) n-Butylbenzene	12.703	91	2218	0.029	ppbv	96
75) 1,2,4-Trichlorobenzene	13.706	180	868	0.024	ppbv#	68
76) Naphthalene	13.797	128	1464	0.025	ppbv#	97
77) Hexachlorobutadiene	14.040	225	2671	0.056	ppbv	96
79] 1,2-Dichlorotetrafluor...	3.908	85	1670	0.038	ppbv#	82
80] Vinyl Chloride(sim)	4.008	62	680	0.036	ppbv	99
81] Bromomethane(sim)	4.341	94	676m	0.037	ppbv	83
82] Trichlorofluoromethane...	5.047	101	2056	0.036	ppbv#	95
83] 1,2-Dichloroethane(sim)	7.486	62	1016m	0.037	ppbv	20
84] 1,1,1-Trichloroethane(...	7.649	97	1606	0.035	ppbv#	92
85] Benzene(sim)	7.935	78	2309	0.049	ppbv#	91
86] Carbon Tetrachloride(sim)	8.025	117	1748	0.035	ppbv	99
87] 1,1-Dichloroethene(sim)	5.488	61	1196m	0.038	ppbv	92
88] Trichlorotrifluoroetha...	5.738	101	1611	0.036	ppbv#	89
89] Trans-1,2-Dichloroethe...	6.184	61	1084m	0.045	ppbv	88
90] 1,1-Dichloroethane(sim)	6.315	63	1296	0.036	ppbv	99
91] Cis-1,2-Dichloroethene...	6.843	61	1002m	0.039	ppbv	63
92] Chloroform(sim)	7.029	83	1614	0.040	ppbv#	94
94] 1,2-dichloropropane(sim)	8.423	63	879	0.038	ppbv#	85
95] Bromodichloromethane(sim)	8.541	83	1349	0.034	ppbv	84
96] Trichloroethene(sim)	8.561	130	1134	0.038	ppbv	91
97] 1,4-Dioxane(sim)	8.570	88	318m	0.036	ppbv	93
98] cis-1,3-Dichloropropen...	9.056	75	1141	0.035	ppbv	98
99] 1,1,2-Trichloroethane(...	9.462	97	910	0.037	ppbv	95
100] Dibromochloromethane(sim)	9.880	129	1916	0.035	ppbv	98
101] 1,2-Dibromoethane(EDB)...	10.018	107	1412	0.036	ppbv	93
102] Tetrachloroethene(sim)	10.267	166	1848	0.038	ppbv	94
104] Bromoform(sim)	11.006	173	2379	0.037	ppbv	100
105] m,p-Xylene(sim)	10.935	91	4202	0.078	ppbv#	88
106] 1,1,2,2-Tetrachloroeth...	11.196	83	1992	0.036	ppbv#	95
107] Benzyl chloride(sim)	12.286	91	1334	0.029	ppbv	97
108] 1,3-Dichlorobenzene(sim)	12.304	146	2585	0.039	ppbv#	90
109] 1,4-Dichlorobenzene(sim)	12.346	146	1994	0.038	ppbv	86

Quantitation Report (RF) (QT Reviewed)

Data Path : H:\AIR2025\CHEM20\09SEP\09\
Data File : 0909_07.D
Acq On : 9 Sep 2025 2:17 pm
Operator :
Client ID : ICAL 0.035
Lab ID : 0.035 ppb; T01515A
ALS Vial : 2 Sample Multiplier: 1

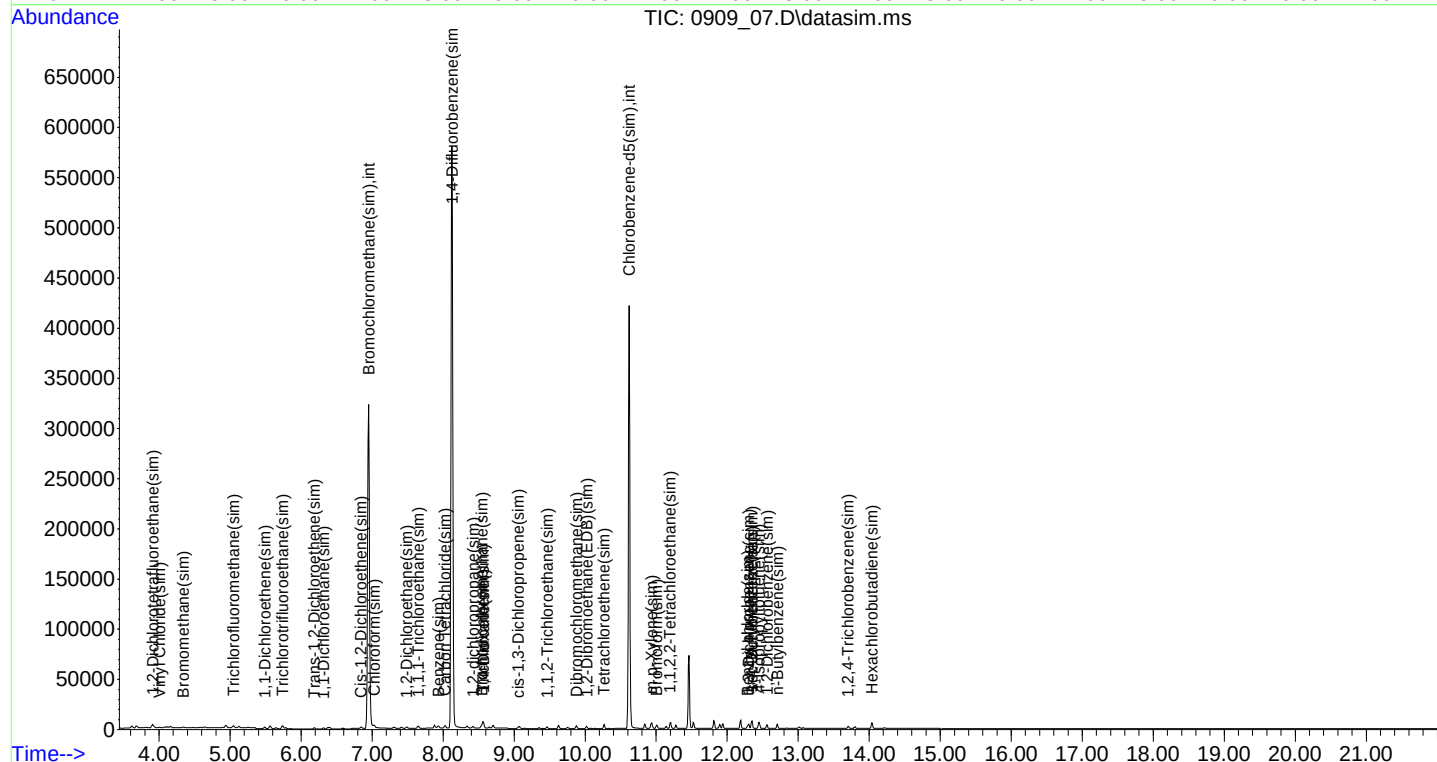
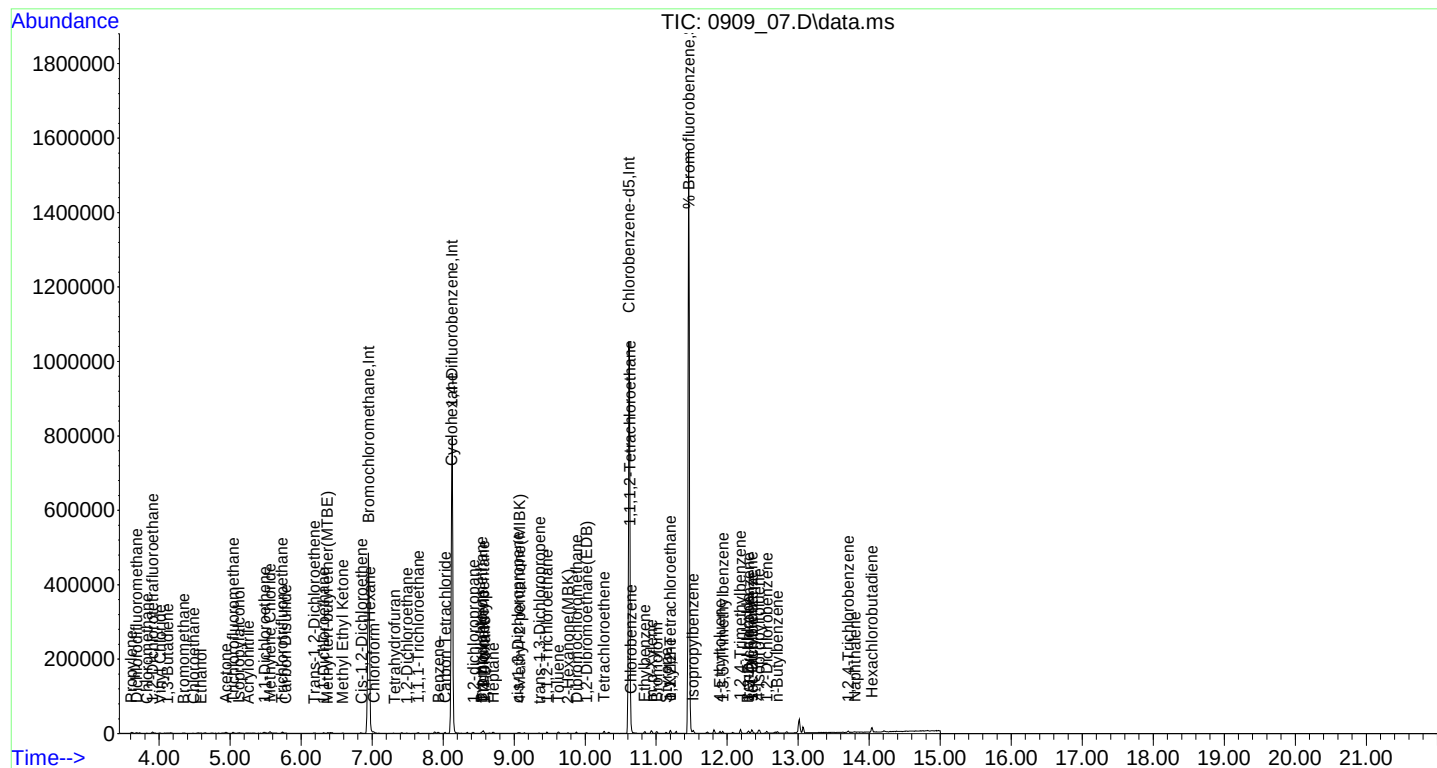
Quant Time: Sep 10 12:51:04 2025
Quant Method : H:\AIR2025\CHEM20\Methods\20_AIR_0909.M
Quant Title : VOA Standards for 5 point calibration
QLast Update : Wed Sep 10 11:24:27 2025
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
110]	sec-Butylbenzene(sim)	12.349	105	3569	0.033	ppbv	96
111]	4-Isopropyltoluene(sim)	12.445	119	3479	0.039	ppbv#	84
112]	1,2-Dichlorobenzene(sim)	12.562	146	2388	0.040	ppbv	92
113]	n-Butylbenzene(sim)	12.703	91	2218	0.030	ppbv	96
114]	1,2,4-Trichlorobenzene...	13.701	180	1278	0.032	ppbv	97
116]	Hexachlorobutadiene(sim)	14.035	225	3073	0.044	ppbv	98

(#)out of range (m>manual integration reviewed by analyst (+)signals summed

Data Path : H:\AIR2025\CHEM20\09SEP\09\
Data File : 0909_07.D
Acq On : 9 Sep 2025 2:17 pm
Operator :
Client ID : ICAL 0.035
Lab ID : 0.035 ppb; T01515A
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 10 12:51:04 2025
Quant Method : H:\AIR2025\CHEM20\Methods\20_AIR_0909.M
Quant Title : VOA Standards for 5 point calibration
QLast Update : Wed Sep 10 11:24:27 2025
Response via : Initial Calibration



Quantitation Report (RF) (QT Reviewed)

Data Path : H:\AIR2025\CHEM20\09SEP\09\
 Data File : 0909_08.D
 Acq On : 9 Sep 2025 2:53 pm
 Operator :
 Client ID : ICAL 0.05
 Lab ID : 0.05 ppb; T01515A
 ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 10 12:51:27 2025
 Quant Method : H:\AIR2025\CHEM20\Methods\20_AIR_0909.M
 Quant Title : VOA Standards for 5 point calibration
 QLast Update : Wed Sep 10 11:24:27 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	6.949	130	156411	10.000	ng	0.00
36) 1,4-Difluorobenzene	8.126	114	539586	10.000	ng	0.00
53) Chlorobenzene-d5	10.617	82	255340	10.000	ng	0.00
78) Bromochloromethane(sim)	6.952	130	173948	10.000	ng	# 0.00
93) 1,4-Difluorobenzene(sim)	8.126	114	539586	10.000	ng	0.00
103) Chlorobenzene-d5(sim)	10.617	82	255340	10.000	ng	0.00

System Monitoring Compounds						
62) % Bromofluorobenzene	11.459	95	345258	10.364	ppbv	0.00
Spiked Amount	10.000	Range 70 - 130	Recovery	= 103.60%		

Target Compounds					Qvalue	
2) Propylene	3.608	41	1432	0.101	ppbv#	86
3) Dichlorodifluoromethane	3.673	85	2197	0.051	ppbv#	95
4) Chloromethane	3.819	50	892	0.062	ppbv	78
5) 1,2-Dichlorotetrafluor...	3.900	85	2048	0.051	ppbv#	73
6) Vinyl Chloride	4.014	62	824	0.057	ppbv	91
7) 1,3-Butadiene	4.128	54	635	0.058	ppbv	93
8) Bromomethane	4.347	94	790	0.054	ppbv#	89
9) Chloroethane	4.476	64	269	0.043	ppbv	81
11) Ethanol	4.582	45	841	0.174	ppbv#	73
12) Acetone	4.939	43	3549	0.123	ppbv#	82
13) Trichlorofluoromethane	5.044	101	2454	0.056	ppbv#	90
14) Isopropylalcohol	5.125	45	2061	0.071	ppbv#	98
15) Acrylonitrile	5.255	53	292	0.032	ppbv#	1
16) 1,1-Dichloroethene	5.486	61	1541	0.060	ppbv	94
17) Methylene Chloride	5.557	49	1839	0.089	ppbv	96
20) Carbon Disulfide	5.777	76	2265	0.059	ppbv	97
21) Trichlorotrifluoroethane	5.736	101	1715	0.054	ppbv#	77
22) Trans-1,2-Dichloroethene	6.182	61	1264	0.057	ppbv#	87
23) 1,1-Dichloroethane	6.312	63	1501	0.054	ppbv	85
24) Methyl tert-butyl ethe...	6.369	73	1836	0.053	ppbv#	84
25) Methyl Ethyl Ketone	6.578	43	1922	0.058	ppbv#	98
26) Cis-1,2-Dichloroethene	6.840	61	1159	0.055	ppbv#	88
27) Hexane	6.956	57	1119	0.054	ppbv#	90
28) Chloroform	7.026	83	1977	0.061	ppbv	84
29) Ethyl acetate	6.980	61	215	0.045	ppbv#	68
30) Tetrahydrofuran	7.305	42	827	0.050	ppbv#	77
31) 1,2-Dichloroethane	7.483	62	1196	0.053	ppbv#	77
32) 1,1,1-Trichloroethane	7.646	97	1994	0.057	ppbv#	90
33) Benzene	7.935	78	2659	0.061	ppbv	96
34) Carbon Tetrachloride	8.022	117	2246	0.057	ppbv	99
35) Cyclohexane	8.117	84	2688	0.154	ppbv#	67
37) 1,2-dichloropropane	8.429	63	1123	0.061	ppbv#	82
38) Bromodichloromethane	8.541	83	2112	0.060	ppbv	97
39) Trichloroethene	8.558	130	1307	0.058	ppbv	89
40) 2,2,4-trimethylpentane	8.567	57	3569	0.053	ppbv	94
41) 1,4-Dioxane	8.576	88	409	0.045	ppbv#	87
43) Heptane	8.705	43	1486	0.052	ppbv#	87
44) cis-1,3-Dichloropropene	9.054	75	1471	0.056	ppbv	90
45) 4-Methyl-2-pentanone(M...	9.068	43	1815	0.045	ppbv#	93
46) trans-1,3-Dichloropropene	9.349	75	1047	0.050	ppbv#	87
47) 1,1,2-Trichloroethane	9.462	97	1039	0.051	ppbv	92
48) Toluene	9.624	91	3217	0.059	ppbv#	97

Quantitation Report (RF) (QT Reviewed)

Data Path : H:\AIR2025\CHEM20\09SEP\09\
 Data File : 0909_08.D
 Acq On : 9 Sep 2025 2:53 pm
 Operator :
 Client ID : ICAL 0.05
 Lab ID : 0.05 ppb; T01515A
 ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 10 12:51:27 2025
 Quant Method : H:\AIR2025\CHEM20\Methods\20_AIR_0909.M
 Quant Title : VOA Standards for 5 point calibration
 QLast Update : Wed Sep 10 11:24:27 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
49) Dibromochloromethane	9.870	129	2423	0.057	ppbv	97
50) 2-Hexanone(MBK)	9.751	43	1639	0.044	ppbv#	54
51) 1,2-Dibromoethane(EDB)	10.018	107	1838	0.054	ppbv	92
52) Tetrachloroethene	10.264	166	2211	0.059	ppbv#	89
54) 1,1,1,2-Tetrachloroethane	10.632	131	1544	0.059	ppbv#	84
55) Chlorobenzene	10.640	112	2719	0.062	ppbv#	1
56) Ethylbenzene	10.837	91	3439	0.054	ppbv	87
57) m, p-Xylene	10.935	91	5630	0.116	ppbv	100
58) Bromoform	11.011	173	2705	0.057	ppbv	95
59) Styrene	11.140	104	1711	0.046	ppbv#	65
60) 1,1,2,2-Tetrachloroethane	11.201	83	2453	0.062	ppbv#	91
61) o-Xylene	11.201	91	2846	0.056	ppbv#	96
64) Isopropylbenzene	11.527	105	4631	0.060	ppbv#	94
65) 4-Ethyltoluene	11.899	105	3628	0.049	ppbv	90
66) 1,3,5-Trimethylbenzene	11.937	105	3111	0.051	ppbv#	90
67) 1,2,4-Trimethylbenzene	12.187	105	2803	0.045	ppbv	94
68) Benzyl chloride	12.286	91	1922	0.041	ppbv#	87
69) 1,3-Dichlorobenzene	12.301	146	3071	0.059	ppbv#	83
70) 1,4-Dichlorobenzene	12.339	146	2492	0.053	ppbv	100
71) sec-Butylbenzene	12.354	105	4597	0.050	ppbv#	90
72) 4-Isopropyltoluene	12.438	119	4034	0.047	ppbv	100
73) 1,2-Dichlorobenzene	12.559	146	2866	0.060	ppbv#	86
74) n-Butylbenzene	12.704	91	3147	0.042	ppbv	94
75) 1,2,4-Trichlorobenzene	13.699	180	1460	0.041	ppbv	90
76) Naphthalene	13.797	128	2228	0.039	ppbv#	97
77) Hexachlorobutadiene	14.040	225	3467	0.074	ppbv	94
79] 1,2-Dichlorotetrafluor...	3.900	85	2048	0.048	ppbv#	73
80] Vinyl Chloride(sim)	4.001	62	872	0.047	ppbv	97
81] Bromomethane(sim)	4.341	94	903m	0.050	ppbv	90
82] Trichlorofluoromethane...	5.039	101	2727	0.048	ppbv#	97
83] 1,2-Dichloroethane(sim)	7.483	62	1196	0.045	ppbv#	16
84] 1,1,1-Trichloroethane(...	7.649	97	2195	0.049	ppbv#	95
85] Benzene(sim)	7.935	78	2659	0.058	ppbv	96
86] Carbon Tetrachloride(sim)	8.025	117	2369	0.048	ppbv	99
87] 1,1-Dichloroethene(sim)	5.486	61	1541	0.050	ppbv	94
88] Trichlorotrifluoroetha...	5.739	101	2075	0.048	ppbv#	93
89] Trans-1,2-Dichloroethe...	6.182	61	1264	0.054	ppbv#	87
90] 1,1-Dichloroethane(sim)	6.315	63	1716	0.049	ppbv	97
91] Cis-1,2-Dichloroethene...	6.840	61	1159	0.046	ppbv#	89
92] Chloroform(sim)	7.029	83	2136	0.054	ppbv	97
94] 1,2-dichloropropane(sim)	8.423	63	1211	0.054	ppbv#	83
95] Bromodichloromethane(sim)	8.541	83	2112	0.054	ppbv	90
96] Trichloroethene(sim)	8.561	130	1547	0.054	ppbv	90
97] 1,4-Dioxane(sim)	8.576	88	409	0.047	ppbv#	87
98] cis-1,3-Dichloropropen...	9.057	75	1513	0.048	ppbv	96
99] 1,1,2-Trichloroethane(...	9.462	97	1039	0.043	ppbv	92
100] Dibromochloromethane(sim)	9.873	129	2609	0.049	ppbv	96
101] 1,2-Dibromoethane(EDB)...	10.018	107	1838	0.047	ppbv	92
102] Tetrachloroethene(sim)	10.267	166	2496	0.052	ppbv	94
104] Bromoform(sim)	11.007	173	3247	0.052	ppbv	99
105] m, p-Xylene(sim)	10.935	91	5630	0.108	ppbv#	93
106] 1,1,2,2-Tetrachloroeth...	11.196	83	2702	0.050	ppbv	97
107] Benzyl chloride(sim)	12.286	91	1922	0.044	ppbv	87
108] 1,3-Dichlorobenzene(sim)	12.304	146	3474	0.054	ppbv#	90
109] 1,4-Dichlorobenzene(sim)	12.339	146	2492	0.049	ppbv	82

Quantitation Report (RF) (QT Reviewed)

Data Path : H:\AIR2025\CHEM20\09SEP\09\
Data File : 0909_08.D
Acq On : 9 Sep 2025 2:53 pm
Operator :
Client ID : ICAL 0.05
Lab ID : 0.05 ppb; T01515A
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 10 12:51:27 2025
Quant Method : H:\AIR2025\CHEM20\Methods\20_AIR_0909.M
Quant Title : VOA Standards for 5 point calibration
QLast Update : Wed Sep 10 11:24:27 2025
Response via : Initial Calibration

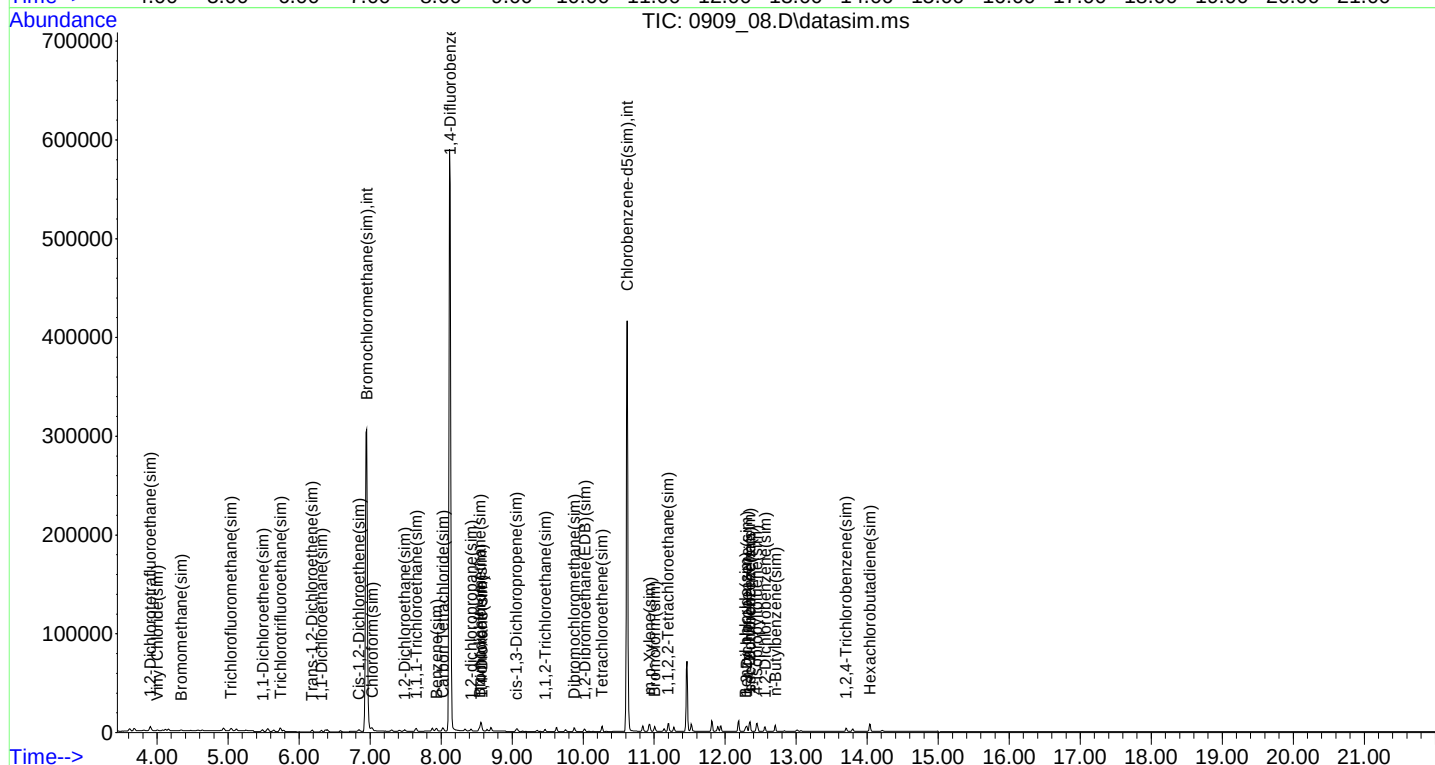
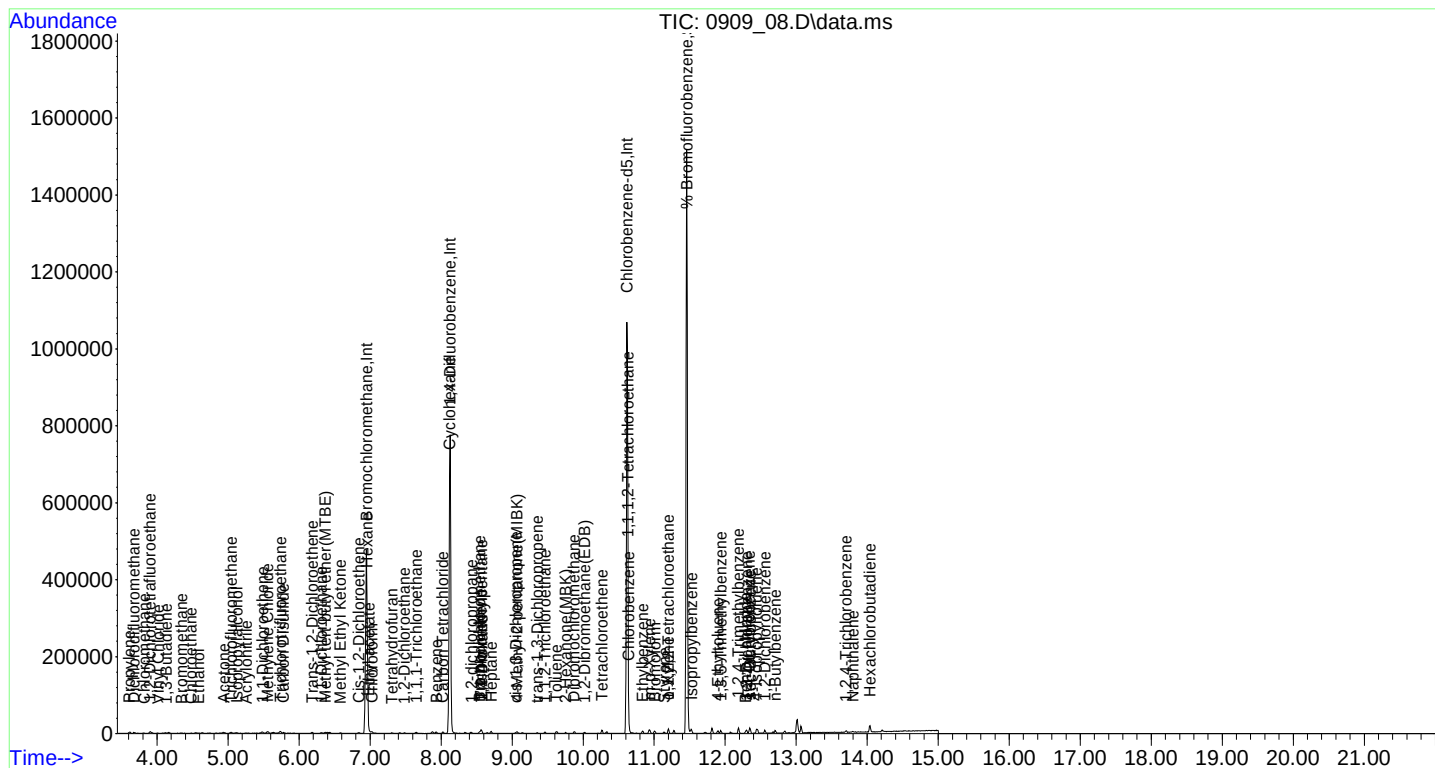
	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
110]	sec-Butylbenzene(sim)	12.350	105	4861	0.047	ppbv	95
111]	4-Isopropyltoluene(sim)	12.438	119	4034	0.047	ppbv#	88
112]	1,2-Dichlorobenzene(sim)	12.562	146	3168	0.054	ppbv	93
113]	n-Butylbenzene(sim)	12.704	91	3147	0.043	ppbv	94
114]	1,2,4-Trichlorobenzene...	13.701	180	1874	0.049	ppbv	98
116]	Hexachlorobutadiene(sim)	14.036	225	4152	0.060	ppbv	98

(#)out of range (m>manual integration reviewed by analyst (+)signals summed

Quantitation Report (RF) (QT Reviewed)

Data Path : H:\AIR2025\CHEM20\09SEP\09\
Data File : 0909_08.D
Acq On : 9 Sep 2025 2:53 pm
Operator :
Client ID : ICAL 0.05
Lab ID : 0.05 ppb; T01515A
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 10 12:51:27 2025
Quant Method : H:\AIR2025\CHEM20\Methods\20_AIR_0909.M
Quant Title : VOA Standards for 5 point calibration
QLast Update : Wed Sep 10 11:24:27 2025
Response via : Initial Calibration



Quantitation Report (RF) (QT Reviewed)

Data Path : H:\AIR2025\CHEM20\09SEP\09\
 Data File : 0909_09.D
 Acq On : 9 Sep 2025 3:25 pm
 Operator :
 Client ID : ICAL 0.1
 Lab ID : 0.10 ppb; T01515A
 ALS Vial : 4 Sample Multiplier: 1

Quant Time: Sep 10 11:25:09 2025
 Quant Method : H:\AIR2025\CHEM20\Methods\20_AIR_0909.M
 Quant Title : VOA Standards for 5 point calibration
 QLast Update : Wed Sep 10 11:24:27 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	6.949	130	156985	10.000	ng	0.00
36) 1,4-Difluorobenzene	8.126	114	533746	10.000	ng	0.00
53) Chlorobenzene-d5	10.617	82	254108	10.000	ng	0.00
78) Bromochloromethane(sim)	6.952	130	172771	10.000	ng	# 0.00
93) 1,4-Difluorobenzene(sim)	8.126	114	533746	10.000	ng	0.00
103) Chlorobenzene-d5(sim)	10.617	82	254108	10.000	ng	0.00
System Monitoring Compounds						
62) % Bromofluorobenzene	11.459	95	344177	10.381	ppbv	0.00
Spiked Amount	10.000	Range	70 - 130	Recovery	=	103.80%
Target Compounds						
					Qvalue	
2) Propylene	3.608	41	2075	0.146	ppbv#	88
3) Dichlorodifluoromethane	3.673	85	4305	0.100	ppbv	93
4) Chloromethane	3.811	50	1537	0.107	ppbv	97
5) 1,2-Dichlorotetrafluor...	3.900	85	4422	0.109	ppbv#	85
6) Vinyl Chloride	4.006	62	1481	0.103	ppbv	82
7) 1,3-Butadiene	4.111	54	1211	0.110	ppbv	94
8) Bromomethane	4.330	94	1549	0.105	ppbv#	89
9) Chloroethane	4.476	64	724	0.115	ppbv#	73
11) Ethanol	4.590	45	739	0.152	ppbv#	53
12) Acetone	4.939	43	4166	0.144	ppbv#	80
13) Trichlorofluoromethane	5.036	101	4609	0.105	ppbv#	94
14) Isopropylalcohol	5.109	45	2967	0.101	ppbv#	98
15) Acrylonitrile	5.247	53	684	0.074	ppbv#	1
16) 1,1-Dichloroethene	5.486	61	2519	0.098	ppbv#	86
17) Methylene Chloride	5.563	49	2907	0.140	ppbv	98
20) Carbon Disulfide	5.783	76	4262	0.110	ppbv#	90
21) Trichlorotrifluoroethane	5.730	101	3472	0.109	ppbv#	79
22) Trans-1,2-Dichloroethene	6.187	61	2282	0.102	ppbv	87
23) 1,1-Dichloroethane	6.312	63	2923	0.106	ppbv	90
24) Methyl tert-butyl ethe...	6.369	73	3306	0.096	ppbv#	83
25) Methyl Ethyl Ketone	6.583	43	3280	0.098	ppbv#	96
26) Cis-1,2-Dichloroethene	6.848	61	2294	0.108	ppbv	94
27) Hexane	6.956	57	2037	0.098	ppbv#	85
28) Chloroform	7.026	83	3495	0.107	ppbv	88
29) Ethyl acetate	6.980	61	385	0.080	ppbv#	64
30) Tetrahydrofuran	7.305	42	1467	0.089	ppbv#	87
31) 1,2-Dichloroethane	7.483	62	2350	0.104	ppbv#	86
32) 1,1,1-Trichloroethane	7.654	97	3417	0.097	ppbv	98
33) Benzene	7.935	78	4053	0.093	ppbv#	88
34) Carbon Tetrachloride	8.022	117	4039	0.102	ppbv	98
35) Cyclohexane	8.117	84	3279	0.187	ppbv#	72
37) 1,2-dichloropropane	8.429	63	2222	0.122	ppbv#	76
38) Bromodichloromethane	8.541	83	3695	0.106	ppbv	95
39) Trichloroethene	8.558	130	2360	0.106	ppbv	96
40) 2,2,4-trimethylpentane	8.567	57	6523	0.098	ppbv	97
41) 1,4-Dioxane	8.576	88	882	0.099	ppbv#	89
43) Heptane	8.705	43	2892	0.102	ppbv#	86
44) cis-1,3-Dichloropropene	9.054	75	2384	0.092	ppbv	98
45) 4-Methyl-2-pentanone(M...	9.068	43	3694	0.093	ppbv#	93
46) trans-1,3-Dichloropropene	9.349	75	1852	0.089	ppbv	94
47) 1,1,2-Trichloroethane	9.462	97	2152	0.108	ppbv	96
48) Toluene	9.624	91	5878	0.108	ppbv	95

Quantitation Report (RF) (QT Reviewed)

Data Path : H:\AIR2025\CHEM20\09SEP\09\
 Data File : 0909_09.D
 Acq On : 9 Sep 2025 3:25 pm
 Operator :
 Client ID : ICAL 0.1
 Lab ID : 0.10 ppb; T01515A
 ALS Vial : 4 Sample Multiplier: 1

Quant Time: Sep 10 11:25:09 2025
 Quant Method : H:\AIR2025\CHEM20\Methods\20_AIR_0909.M
 Quant Title : VOA Standards for 5 point calibration
 QLast Update : Wed Sep 10 11:24:27 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
49) Dibromochloromethane	9.877	129	4264	0.101	ppbv	94
50) 2-Hexanone(MBK)	9.751	43	3223	0.087	ppbv#	49
51) 1,2-Dibromoethane(EDB)	10.018	107	3429	0.103	ppbv	96
52) Tetrachloroethene	10.264	166	4075	0.109	ppbv#	88
54) 1,1,1,2-Tetrachloroethane	10.632	131	2936	0.114	ppbv#	91
55) Chlorobenzene	10.647	112	5381	0.124	ppbv#	46
56) Ethylbenzene	10.837	91	7015	0.111	ppbv	84
57) m, p-Xylene	10.935	91	9891	0.205	ppbv	100
58) Bromoform	11.004	173	5687	0.120	ppbv	99
59) Styrene	11.140	104	3200	0.087	ppbv#	74
60) 1,1,2,2-Tetrachloroethane	11.201	83	4494	0.113	ppbv	93
61) o-Xylene	11.201	91	5109	0.101	ppbv#	88
64) Isopropylbenzene	11.527	105	8775	0.114	ppbv#	92
65) 4-Ethyltoluene	11.899	105	7264	0.098	ppbv#	89
66) 1,3,5-Trimethylbenzene	11.937	105	6560	0.108	ppbv#	91
67) 1,2,4-Trimethylbenzene	12.187	105	5834	0.095	ppbv	97
68) Benzyl chloride	12.286	91	3895	0.083	ppbv#	89
69) 1,3-Dichlorobenzene	12.301	146	5335	0.103	ppbv#	85
70) 1,4-Dichlorobenzene	12.339	146	5359	0.114	ppbv	100
71) sec-Butylbenzene	12.354	105	8584	0.093	ppbv#	92
72) 4-Isopropyltoluene	12.445	119	7844	0.091	ppbv	100
73) 1,2-Dichlorobenzene	12.559	146	5307	0.112	ppbv#	84
74) n-Butylbenzene	12.704	91	6337	0.085	ppbv	96
75) 1,2,4-Trichlorobenzene	13.706	180	3012	0.085	ppbv#	95
76) Naphthalene	13.797	128	3527	0.063	ppbv#	96
77) Hexachlorobutadiene	14.040	225	5896	0.127	ppbv	98
79] 1,2-Dichlorotetrafluor...	3.900	85	4422	0.104	ppbv#	85
80] Vinyl Chloride(sim)	4.001	62	1608	0.087	ppbv	98
81] Bromomethane(sim)	4.330	94	1549	0.086	ppbv#	87
82] Trichlorofluoromethane...	5.039	101	5092	0.091	ppbv#	96
83] 1,2-Dichloroethane(sim)	7.483	62	2350	0.088	ppbv#	20
84] 1,1,1-Trichloroethane(...	7.649	97	4038	0.091	ppbv#	94
85] Benzene(sim)	7.935	78	4053	0.089	ppbv#	88
86] Carbon Tetrachloride(sim)	8.025	117	4498	0.092	ppbv	99
87] 1,1-Dichloroethene(sim)	5.486	61	2519	0.083	ppbv#	88
88] Trichlorotrifluoroetha...	5.739	101	4040	0.094	ppbv#	91
89] Trans-1,2-Dichloroethe...	6.187	61	2282	0.097	ppbv	87
90] 1,1-Dichloroethane(sim)	6.315	63	3177	0.090	ppbv	99
91] Cis-1,2-Dichloroethene...	6.848	61	2294	0.092	ppbv	94
92] Chloroform(sim)	7.029	83	3862	0.098	ppbv	97
94] 1,2-dichloropropane(sim)	8.423	63	2187	0.098	ppbv#	87
95] Bromodichloromethane(sim)	8.541	83	3695	0.096	ppbv	92
96] Trichloroethene(sim)	8.561	130	2808	0.098	ppbv	91
97] 1,4-Dioxane(sim)	8.576	88	882	0.102	ppbv#	89
98] cis-1,3-Dichloropropen...	9.057	75	2825	0.091	ppbv	96
99] 1,1,2-Trichloroethane(...	9.462	97	2152	0.090	ppbv	96
100] Dibromochloromethane(sim)	9.873	129	4904	0.093	ppbv	99
101] 1,2-Dibromoethane(EDB)...	10.018	107	3375	0.088	ppbv	95
102] Tetrachloroethene(sim)	10.267	166	4707	0.099	ppbv	94
104] Bromoform(sim)	11.007	173	6091	0.099	ppbv	99
105] m, p-Xylene(sim)	10.935	91	9891	0.191	ppbv#	86
106] 1,1,2,2-Tetrachloroeth...	11.196	83	5012	0.093	ppbv	97
107] Benzyl chloride(sim)	12.286	91	3895	0.089	ppbv	89
108] 1,3-Dichlorobenzene(sim)	12.304	146	6706	0.105	ppbv#	90
109] 1,4-Dichlorobenzene(sim)	12.339	146	5359	0.107	ppbv#	82

Quantitation Report (RF) (QT Reviewed)

Data Path : H:\AIR2025\CHEM20\09SEP\09\
Data File : 0909_09.D
Acq On : 9 Sep 2025 3:25 pm
Operator :
Client ID : ICAL 0.1
Lab ID : 0.10 ppb; T01515A
ALS Vial : 4 Sample Multiplier: 1

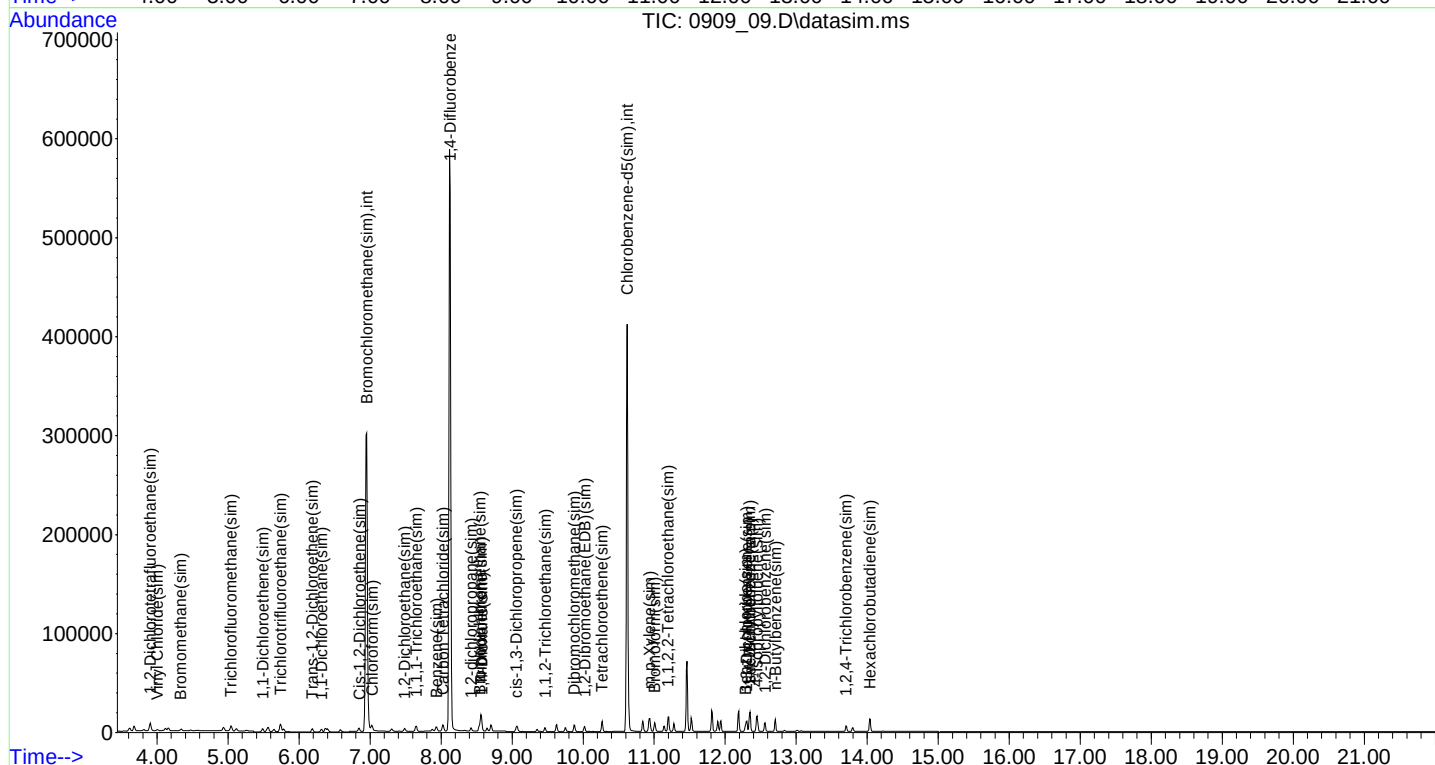
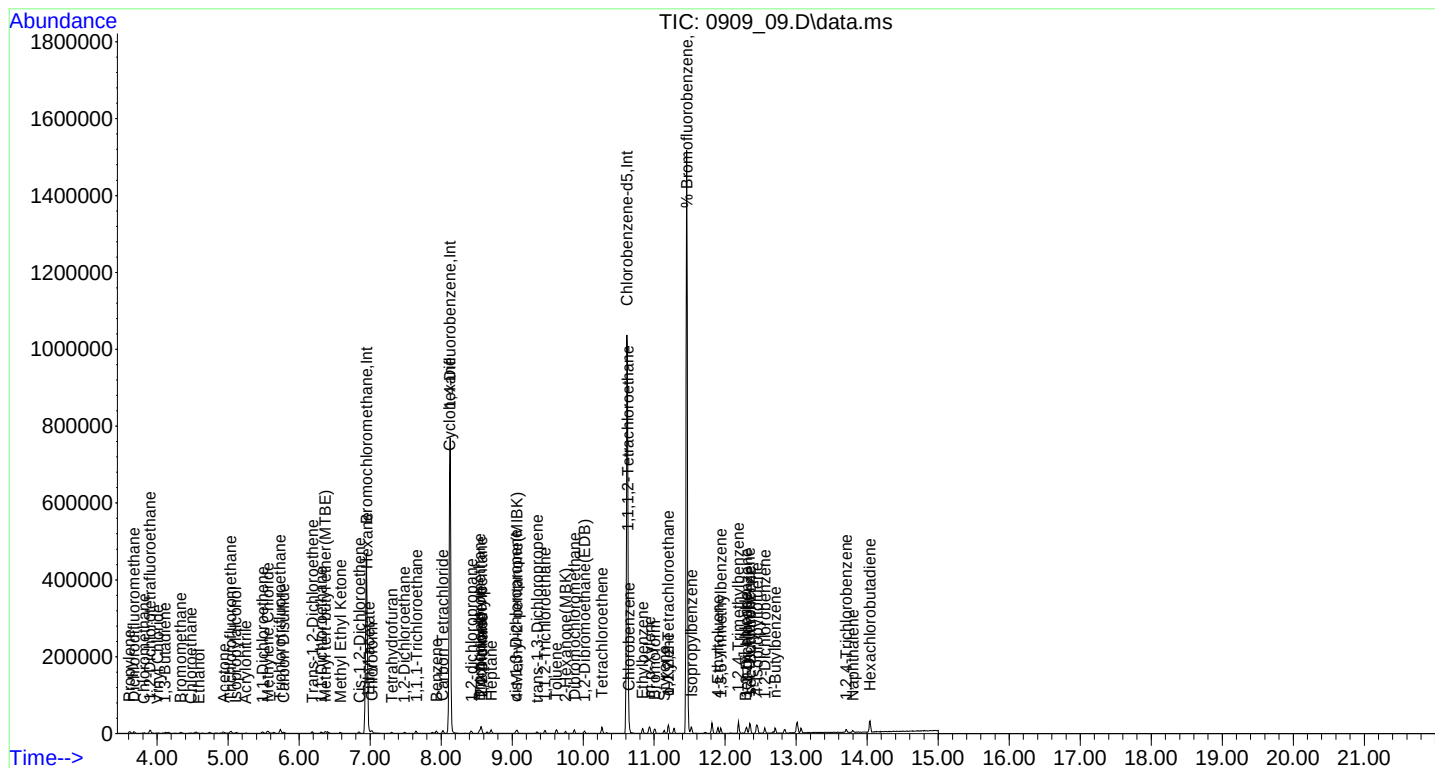
Quant Time: Sep 10 11:25:09 2025
Quant Method : H:\AIR2025\CHEM20\Methods\20_AIR_0909.M
Quant Title : VOA Standards for 5 point calibration
QLast Update : Wed Sep 10 11:24:27 2025
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
110]	sec-Butylbenzene(sim)	12.350	105	9496	0.092	ppbv	96
111]	4-Isopropyltoluene(sim)	12.445	119	7844	0.091	ppbv#	87
112]	1,2-Dichlorobenzene(sim)	12.562	146	6067	0.104	ppbv	92
113]	n-Butylbenzene(sim)	12.704	91	6337	0.087	ppbv	96
114]	1,2,4-Trichlorobenzene...	13.701	180	3296	0.087	ppbv	97
116]	Hexachlorobutadiene(sim)	14.036	225	7155	0.105	ppbv	98

(#)out of range (m>manual integration reviewed by analyst (+)signals summed

Data Path : H:\AIR2025\CHEM20\09SEP\09\
Data File : 0909_09.D
Acq On : 9 Sep 2025 3:25 pm
Operator :
Client ID : ICAL 0.1
Lab ID : 0.10 ppb; T01515A
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Sep 10 11:25:09 2025
Quant Method : H:\AIR2025\CHEM20\Methods\20_AIR_0909.M
Quant Title : VOA Standards for 5 point calibration
QLast Update : Wed Sep 10 11:24:27 2025
Response via : Initial Calibration



Quantitation Report (RF) (QT Reviewed)

Data Path : H:\AIR2025\CHEM20\09SEP\09\
 Data File : 0909_10.D
 Acq On : 9 Sep 2025 3:57 pm
 Operator :
 Client ID : ICAL 0.2
 Lab ID : 0.20 ppb; T01515A
 ALS Vial : 5 Sample Multiplier: 1

Quant Time: Sep 10 11:25:10 2025
 Quant Method : H:\AIR2025\CHEM20\Methods\20_AIR_0909.M
 Quant Title : VOA Standards for 5 point calibration
 QLast Update : Wed Sep 10 11:24:27 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	6.949	130	152750	10.000	ng	0.00
36) 1,4-Difluorobenzene	8.126	114	534912	10.000	ng	0.00
53) Chlorobenzene-d5	10.617	82	254365	10.000	ng	0.00
78) Bromochloromethane(sim)	6.952	130	172104	10.000	ng	# 0.00
93) 1,4-Difluorobenzene(sim)	8.126	114	534912	10.000	ng	0.00
103) Chlorobenzene-d5(sim)	10.617	82	254771	10.000	ng	0.00
System Monitoring Compounds						
62) % Bromofluorobenzene	11.459	95	344598	10.384	ppbv	0.00
Spiked Amount	10.000	Range	70 - 130	Recovery	=	103.80%
Target Compounds						
					Qvalue	
2) Propylene	3.616	41	3206	0.232	ppbv	92
3) Dichlorodifluoromethane	3.673	85	8236	0.196	ppbv	99
4) Chloromethane	3.811	50	3019	0.216	ppbv	87
5) 1,2-Dichlorotetrafluor...	3.900	85	7866	0.200	ppbv#	79
6) Vinyl Chloride	3.998	62	2843	0.202	ppbv	95
7) 1,3-Butadiene	4.119	54	2116	0.198	ppbv#	85
8) Bromomethane	4.338	94	2920	0.203	ppbv#	91
9) Chloroethane	4.476	64	1131	0.184	ppbv	92
11) Ethanol	4.582	45	1272	0.269	ppbv#	56
12) Acetone	4.939	43	6780	0.240	ppbv#	81
13) Trichlorofluoromethane	5.044	101	8654	0.203	ppbv	93
14) Isopropylalcohol	5.117	45	6292	0.221	ppbv#	98
15) Acrylonitrile	5.247	53	1814	0.201	ppbv#	1
16) 1,1-Dichloroethene	5.479	61	5380	0.215	ppbv	93
17) Methylene Chloride	5.563	49	4862	0.241	ppbv	97
20) Carbon Disulfide	5.777	76	7876	0.208	ppbv	96
21) Trichlorotrifluoroethane	5.730	101	6617	0.213	ppbv#	86
22) Trans-1,2-Dichloroethene	6.182	61	4291	0.198	ppbv	90
23) 1,1-Dichloroethane	6.312	63	5551	0.206	ppbv	95
24) Methyl tert-butyl ethe...	6.364	73	6669	0.198	ppbv#	84
25) Methyl Ethyl Ketone	6.578	43	6614	0.204	ppbv#	94
26) Cis-1,2-Dichloroethene	6.840	61	4107	0.199	ppbv	90
27) Hexane	6.956	57	3696	0.182	ppbv#	84
28) Chloroform	7.026	83	6769	0.213	ppbv	95
29) Ethyl acetate	6.964	61	732	0.155	ppbv#	81
30) Tetrahydrofuran	7.305	42	3009	0.187	ppbv#	85
31) 1,2-Dichloroethane	7.483	62	4426	0.202	ppbv	91
32) 1,1,1-Trichloroethane	7.638	97	7268	0.211	ppbv	96
33) Benzene	7.935	78	8224	0.195	ppbv	97
34) Carbon Tetrachloride	8.022	117	7499	0.194	ppbv	93
35) Cyclohexane	8.117	84	4479	0.263	ppbv#	84
37) 1,2-dichloropropane	8.428	63	3572	0.195	ppbv	87
38) Bromodichloromethane	8.541	83	6852	0.197	ppbv	92
39) Trichloroethene	8.558	130	4672	0.209	ppbv	82
40) 2,2,4-trimethylpentane	8.567	57	12262	0.184	ppbv	93
41) 1,4-Dioxane	8.567	88	1621	0.181	ppbv	85
43) Heptane	8.705	43	5200	0.182	ppbv#	90
44) cis-1,3-Dichloropropene	9.054	75	5111	0.196	ppbv	96
45) 4-Methyl-2-pentanone(M...	9.068	43	7553	0.189	ppbv#	92
46) trans-1,3-Dichloropropene	9.349	75	3777	0.182	ppbv	98
47) 1,1,2-Trichloroethane	9.462	97	4011	0.200	ppbv	90
48) Toluene	9.624	91	10371	0.191	ppbv	97

Quantitation Report (RF) (QT Reviewed)

Data Path : H:\AIR2025\CHEM20\09SEP\09\
 Data File : 0909_10.D
 Acq On : 9 Sep 2025 3:57 pm
 Operator :
 Client ID : ICAL 0.2
 Lab ID : 0.20 ppb; T01515A
 ALS Vial : 5 Sample Multiplier: 1

Quant Time: Sep 10 11:25:10 2025
 Quant Method : H:\AIR2025\CHEM20\Methods\20_AIR_0909.M
 Quant Title : VOA Standards for 5 point calibration
 QLast Update : Wed Sep 10 11:24:27 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
49) Dibromochloromethane	9.877	129	8443	0.200	ppbv	97
50) 2-Hexanone(MBK)	9.750	43	6528	0.176	ppbv#	45
51) 1,2-Dibromoethane(EDB)	10.018	107	6735	0.201	ppbv	99
52) Tetrachloroethene	10.264	166	7746	0.207	ppbv	88
54) 1,1,1,2-Tetrachloroethane	10.632	131	5548	0.214	ppbv#	96
55) Chlorobenzene	10.647	112	9737	0.225	ppbv#	82
56) Ethylbenzene	10.837	91	12618	0.200	ppbv	85
57) m, p-Xylene	10.935	91	19332	0.400	ppbv	100
58) Bromoform	11.011	173	10324	0.217	ppbv	98
59) Styrene	11.140	104	7138	0.193	ppbv#	75
60) 1,1,2,2-Tetrachloroethane	11.201	83	8509	0.215	ppbv	93
61) o-Xylene	11.201	91	9766	0.193	ppbv#	87
64) Isopropylbenzene	11.527	105	15970	0.208	ppbv#	94
65) 4-Ethyltoluene	11.899	105	12914	0.175	ppbv	93
66) 1,3,5-Trimethylbenzene	11.937	105	11761	0.193	ppbv#	90
67) 1,2,4-Trimethylbenzene	12.187	105	10969	0.178	ppbv	92
68) Benzyl chloride	12.286	91	8013	0.171	ppbv#	90
69) 1,3-Dichlorobenzene	12.301	146	10968	0.212	ppbv#	87
70) 1,4-Dichlorobenzene	12.339	146	9621	0.204	ppbv	100
71) sec-Butylbenzene	12.354	105	16729	0.182	ppbv#	94
72) 4-Isopropyltoluene	12.438	119	14972	0.174	ppbv	100
73) 1,2-Dichlorobenzene	12.559	146	10098	0.213	ppbv#	91
74) n-Butylbenzene	12.704	91	12837	0.173	ppbv	94
75) 1,2,4-Trichlorobenzene	13.706	180	6209	0.175	ppbv#	94
76) Naphthalene	13.797	128	8087	0.144	ppbv#	95
77) Hexachlorobutadiene	14.040	225	11398	0.246	ppbv	97
79] 1,2-Dichlorotetrafluor...	3.900	85	7866	0.186	ppbv#	79
80] Vinyl Chloride(sim)	4.001	62	3076	0.168	ppbv	100
81] Bromomethane(sim)	4.338	94	2920	0.163	ppbv#	90
82] Trichlorofluoromethane...	5.039	101	9551	0.171	ppbv#	96
83] 1,2-Dichloroethane(sim)	7.483	62	4426	0.167	ppbv#	15
84] 1,1,1-Trichloroethane(...	7.649	97	7682	0.173	ppbv#	95
85] Benzene(sim)	7.935	78	8224	0.180	ppbv	97
86] Carbon Tetrachloride(sim)	8.025	117	8489	0.174	ppbv	99
87] 1,1-Dichloroethene(sim)	5.479	61	5380	0.178	ppbv	93
88] Trichlorotrifluoroetha...	5.732	101	7206	0.168	ppbv#	93
89] Trans-1,2-Dichloroethe...	6.182	61	4291	0.184	ppbv	90
90] 1,1-Dichloroethane(sim)	6.310	63	6018	0.172	ppbv	98
91] Cis-1,2-Dichloroethene...	6.840	61	4107	0.166	ppbv	90
92] Chloroform(sim)	7.021	83	7150	0.181	ppbv	97
94] 1,2-dichloropropane(sim)	8.423	63	4056	0.181	ppbv#	87
95] Bromodichloromethane(sim)	8.541	83	6852	0.177	ppbv	92
96] Trichloroethene(sim)	8.561	130	5197	0.182	ppbv	91
97] 1,4-Dioxane(sim)	8.567	88	1621	0.187	ppbv	85
98] cis-1,3-Dichloropropen...	9.057	75	5354	0.172	ppbv	96
99] 1,1,2-Trichloroethane(...	9.462	97	4011	0.168	ppbv	90
100] Dibromochloromethane(sim)	9.873	129	9198	0.173	ppbv	99
101] 1,2-Dibromoethane(EDB)...	10.018	107	6735	0.175	ppbv	99
102] Tetrachloroethene(sim)	10.267	166	9266	0.195	ppbv	92
104] Bromoform(sim)	11.006	173	11606	0.188	ppbv	98
105] m, p-Xylene(sim)	10.935	91	19332	0.372	ppbv#	92
106] 1,1,2,2-Tetrachloroeth...	11.196	83	9540	0.176	ppbv	96
107] Benzyl chloride(sim)	12.286	91	8013	0.182	ppbv	90
108] 1,3-Dichlorobenzene(sim)	12.304	146	11984	0.188	ppbv#	91
109] 1,4-Dichlorobenzene(sim)	12.339	146	9563	0.190	ppbv	87

Quantitation Report (RF) (QT Reviewed)

Data Path : H:\AIR2025\CHEM20\09SEP\09\
Data File : 0909_10.D
Acq On : 9 Sep 2025 3:57 pm
Operator :
Client ID : ICAL 0.2
Lab ID : 0.20 ppb; T01515A
ALS Vial : 5 Sample Multiplier: 1

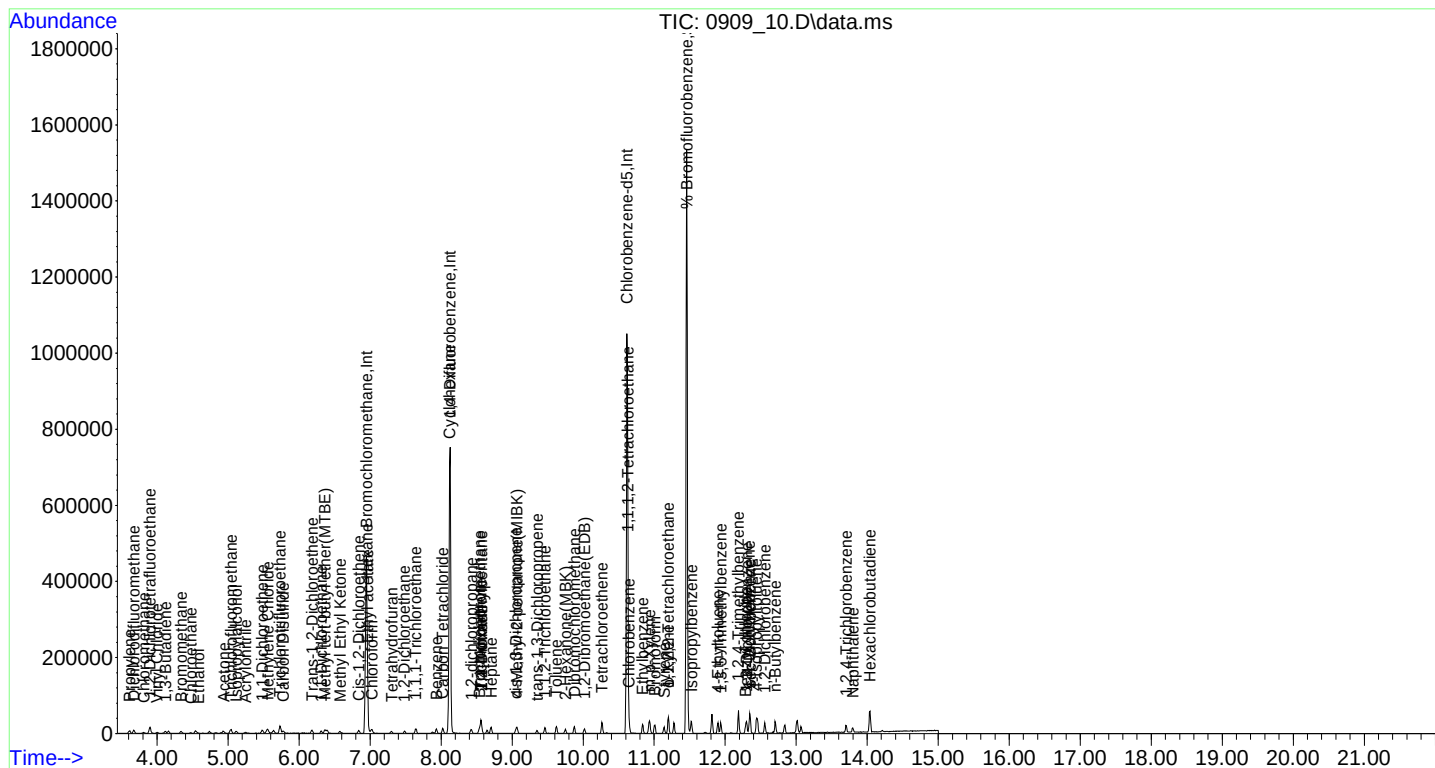
Quant Time: Sep 10 11:25:10 2025
Quant Method : H:\AIR2025\CHEM20\Methods\20_AIR_0909.M
Quant Title : VOA Standards for 5 point calibration
QLast Update : Wed Sep 10 11:24:27 2025
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
110]	sec-Butylbenzene(sim)	12.350	105	18674	0.180	ppbv	96
111]	4-Isopropyltoluene(sim)	12.438	119	14972	0.173	ppbv#	87
112]	1,2-Dichlorobenzene(sim)	12.562	146	11645	0.199	ppbv	92
113]	n-Butylbenzene(sim)	12.704	91	12837	0.176	ppbv	94
114]	1,2,4-Trichlorobenzene...	13.701	180	7021	0.184	ppbv	96
116]	Hexachlorobutadiene(sim)	14.036	225	13551	0.198	ppbv	98

(#)out of range (m>manual integration reviewed by analyst (+)signals summed

Data Path : H:\AIR2025\CHEM20\09SEP\09\
Data File : 0909_10.D
Acq On : 9 Sep 2025 3:57 pm
Operator :
Client ID : ICAL 0.2
Lab ID : 0.20 ppb; T01515A
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Sep 10 11:25:10 2025
Quant Method : H:\AIR2025\CHEM20\Methods\20_AIR_0909.M
Quant Title : VOA Standards for 5 point calibration
QLast Update : Wed Sep 10 11:24:27 2025
Response via : Initial Calibration



Quantitation Report (RF) (QT Reviewed)

Data Path : H:\AIR2025\CHEM20\09SEP\09\
 Data File : 0909_11.D
 Acq On : 9 Sep 2025 4:32 pm
 Operator :
 Client ID : ICAL 0.5
 Lab ID : 0.50 ppb; T01515A
 ALS Vial : 6 Sample Multiplier: 1

Quant Time: Sep 10 11:25:11 2025
 Quant Method : H:\AIR2025\CHEM20\Methods\20_AIR_0909.M
 Quant Title : VOA Standards for 5 point calibration
 QLast Update : Wed Sep 10 11:24:27 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	6.949	130	156813	10.000	ng	0.00
36) 1,4-Difluorobenzene	8.126	114	538537	10.000	ng	0.00
53) Chlorobenzene-d5	10.617	82	254449	10.000	ng	0.00
78) Bromochloromethane(sim)	6.952	130	173432	10.000	ng	# 0.00
93) 1,4-Difluorobenzene(sim)	8.126	114	538537	10.000	ng	0.00
103) Chlorobenzene-d5(sim)	10.617	82	254449	10.000	ng	0.00

System Monitoring Compounds						
62) % Bromofluorobenzene	11.459	95	355197	10.699	ppbv	0.00
Spiked Amount	10.000	Range 70 - 130	Recovery	= 107.00%		

Target Compounds					Qvalue	
2) Propylene	3.608	41	6267	0.441	ppbv	92
3) Dichlorodifluoromethane	3.673	85	19347	0.448	ppbv	99
4) Chloromethane	3.811	50	6305	0.440	ppbv	97
5) 1,2-Dichlorotetrafluor...	3.900	85	18743	0.464	ppbv#	79
6) Vinyl Chloride	3.998	62	6655	0.461	ppbv	92
7) 1,3-Butadiene	4.119	54	4856	0.442	ppbv	91
8) Bromomethane	4.330	94	7010	0.474	ppbv#	92
9) Chloroethane	4.476	64	3245	0.514	ppbv	96
11) Ethanol	4.574	45	2637	0.543	ppbv#	47
12) Acetone	4.931	43	14030	0.485	ppbv#	81
13) Trichlorofluoromethane	5.044	101	21012	0.479	ppbv#	94
14) Isopropylalcohol	5.109	45	13850	0.473	ppbv#	94
15) Acrylonitrile	5.247	53	4227	0.456	ppbv#	1
16) 1,1-Dichloroethene	5.486	61	12534	0.487	ppbv#	94
17) Methylene Chloride	5.563	49	10088	0.488	ppbv	98
20) Carbon Disulfide	5.777	76	18760	0.483	ppbv	97
21) Trichlorotrifluoroethane	5.736	101	15732	0.493	ppbv	89
22) Trans-1,2-Dichloroethene	6.176	61	10656	0.478	ppbv	93
23) 1,1-Dichloroethane	6.312	63	13028	0.471	ppbv	95
24) Methyl tert-butyl ethe...	6.359	73	15186	0.440	ppbv#	83
25) Methyl Ethyl Ketone	6.573	43	15424	0.462	ppbv#	93
26) Cis-1,2-Dichloroethene	6.840	61	9669	0.457	ppbv	96
27) Hexane	6.956	57	8738	0.420	ppbv#	82
28) Chloroform	7.026	83	15449	0.474	ppbv	95
29) Ethyl acetate	6.972	61	2159	0.446	ppbv	89
30) Tetrahydrofuran	7.297	42	6876	0.415	ppbv	94
31) 1,2-Dichloroethane	7.483	62	10955	0.486	ppbv#	88
32) 1,1,1-Trichloroethane	7.646	97	16249	0.460	ppbv	96
33) Benzene	7.935	78	20133	0.464	ppbv	97
34) Carbon Tetrachloride	8.022	117	18314	0.461	ppbv	99
35) Cyclohexane	8.108	84	8424	0.482	ppbv	98
37) 1,2-dichloropropane	8.420	63	8792	0.477	ppbv#	87
38) Bromodichloromethane	8.541	83	16914	0.483	ppbv	93
39) Trichloroethene	8.558	130	10668	0.474	ppbv	89
40) 2,2,4-trimethylpentane	8.567	57	30416	0.453	ppbv	100
41) 1,4-Dioxane	8.567	88	4045	0.448	ppbv	92
43) Heptane	8.705	43	12348	0.430	ppbv	93
44) cis-1,3-Dichloropropene	9.054	75	11680	0.446	ppbv	93
45) 4-Methyl-2-pentanone(M...	9.068	43	18032	0.448	ppbv#	91
46) trans-1,3-Dichloropropene	9.349	75	9552	0.457	ppbv	96
47) 1,1,2-Trichloroethane	9.462	97	9842	0.488	ppbv	96
48) Toluene	9.624	91	24901	0.455	ppbv	96

Quantitation Report (RF) (QT Reviewed)

Data Path : H:\AIR2025\CHEM20\09SEP\09\
 Data File : 0909_11.D
 Acq On : 9 Sep 2025 4:32 pm
 Operator :
 Client ID : ICAL 0.5
 Lab ID : 0.50 ppb; T01515A
 ALS Vial : 6 Sample Multiplier: 1

Quant Time: Sep 10 11:25:11 2025
 Quant Method : H:\AIR2025\CHEM20\Methods\20_AIR_0909.M
 Quant Title : VOA Standards for 5 point calibration
 QLast Update : Wed Sep 10 11:24:27 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
49) Dibromochloromethane	9.877	129	19725	0.463	ppbv	98
50) 2-Hexanone(MBK)	9.744	43	16797	0.449	ppbv#	49
51) 1,2-Dibromoethane(EDB)	10.018	107	16126	0.478	ppbv	97
52) Tetrachloroethene	10.264	166	18535	0.492	ppbv#	86
54) 1,1,1,2-Tetrachloroethane	10.632	131	13295	0.513	ppbv#	89
55) Chlorobenzene	10.647	112	22689	0.523	ppbv	97
56) Ethylbenzene	10.837	91	30546	0.485	ppbv	84
57) m, p-Xylene	10.935	91	47098	0.975	ppbv	100
58) Bromoform	11.011	173	23386	0.491	ppbv	94
59) Styrene	11.140	104	15920	0.431	ppbv#	67
60) 1,1,2,2-Tetrachloroethane	11.201	83	21464	0.541	ppbv	92
61) o-Xylene	11.201	91	23922	0.473	ppbv#	86
64) Isopropylbenzene	11.527	105	37771	0.491	ppbv#	93
65) 4-Ethyltoluene	11.899	105	32989	0.446	ppbv	93
66) 1,3,5-Trimethylbenzene	11.937	105	31418	0.515	ppbv#	92
67) 1,2,4-Trimethylbenzene	12.187	105	27613	0.448	ppbv	92
68) Benzyl chloride	12.286	91	22114	0.471	ppbv	93
69) 1,3-Dichlorobenzene	12.301	146	26768	0.516	ppbv#	87
70) 1,4-Dichlorobenzene	12.339	146	24096	0.511	ppbv	100
71) sec-Butylbenzene	12.354	105	44314	0.482	ppbv#	90
72) 4-Isopropyltoluene	12.445	119	39547	0.459	ppbv	100
73) 1,2-Dichlorobenzene	12.559	146	24370	0.513	ppbv#	92
74) n-Butylbenzene	12.704	91	33487	0.450	ppbv	94
75) 1,2,4-Trichlorobenzene	13.706	180	16677	0.469	ppbv#	96
76) Naphthalene	13.797	128	23803	0.423	ppbv#	96
77) Hexachlorobutadiene	14.040	225	26396	0.569	ppbv	99
79] 1,2-Dichlorotetrafluor...	3.900	85	18743	0.439	ppbv#	79
80] Vinyl Chloride(sim)	4.001	62	7174	0.389	ppbv	98
81] Bromomethane(sim)	4.330	94	7010	0.389	ppbv#	91
82] Trichlorofluoromethane...	5.039	101	22764	0.406	ppbv#	96
83] 1,2-Dichloroethane(sim)	7.483	62	10955	0.410	ppbv#	17
84] 1,1,1-Trichloroethane(...	7.649	97	18431	0.413	ppbv#	96
85] Benzene(sim)	7.935	78	20133	0.438	ppbv	97
86] Carbon Tetrachloride(sim)	8.025	117	20154	0.411	ppbv	100
87] 1,1-Dichloroethene(sim)	5.486	61	12534	0.410	ppbv#	93
88] Trichlorotrifluoroetha...	5.733	101	17031	0.394	ppbv#	92
89] Trans-1,2-Dichloroethe...	6.176	61	10656	0.453	ppbv	93
90] 1,1-Dichloroethane(sim)	6.315	63	14345	0.407	ppbv	100
91] Cis-1,2-Dichloroethene...	6.840	61	9669	0.388	ppbv	96
92] Chloroform(sim)	7.021	83	16966	0.427	ppbv	97
94] 1,2-dichloropropane(sim)	8.423	63	9579	0.425	ppbv#	87
95] Bromodichloromethane(sim)	8.541	83	16914	0.435	ppbv	94
96] Trichloroethene(sim)	8.561	130	12385	0.430	ppbv	91
97] 1,4-Dioxane(sim)	8.567	88	4045	0.464	ppbv	92
98] cis-1,3-Dichloropropen...	9.057	75	13052	0.416	ppbv	97
99] 1,1,2-Trichloroethane(...	9.462	97	9842	0.410	ppbv	96
100] Dibromochloromethane(sim)	9.873	129	21985	0.411	ppbv	98
101] 1,2-Dibromoethane(EDB)...	10.018	107	16126	0.417	ppbv	96
102] Tetrachloroethene(sim)	10.267	166	21435	0.448	ppbv	94
104] Bromoform(sim)	11.007	173	27573	0.447	ppbv	98
105] m, p-Xylene(sim)	10.935	91	47098	0.907	ppbv#	91
106] 1,1,2,2-Tetrachloroeth...	11.196	83	23089	0.426	ppbv	97
107] Benzyl chloride(sim)	12.286	91	22114	0.503	ppbv	94
108] 1,3-Dichlorobenzene(sim)	12.304	146	29909	0.469	ppbv#	91
109] 1,4-Dichlorobenzene(sim)	12.339	146	24096	0.480	ppbv#	84

Quantitation Report (RF) (QT Reviewed)

Data Path : H:\AIR2025\CHEM20\09SEP\09\
Data File : 0909_11.D
Acq On : 9 Sep 2025 4:32 pm
Operator :
Client ID : ICAL 0.5
Lab ID : 0.50 ppb; T01515A
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Sep 10 11:25:11 2025
Quant Method : H:\AIR2025\CHEM20\Methods\20_AIR_0909.M
Quant Title : VOA Standards for 5 point calibration
QLast Update : Wed Sep 10 11:24:27 2025
Response via : Initial Calibration

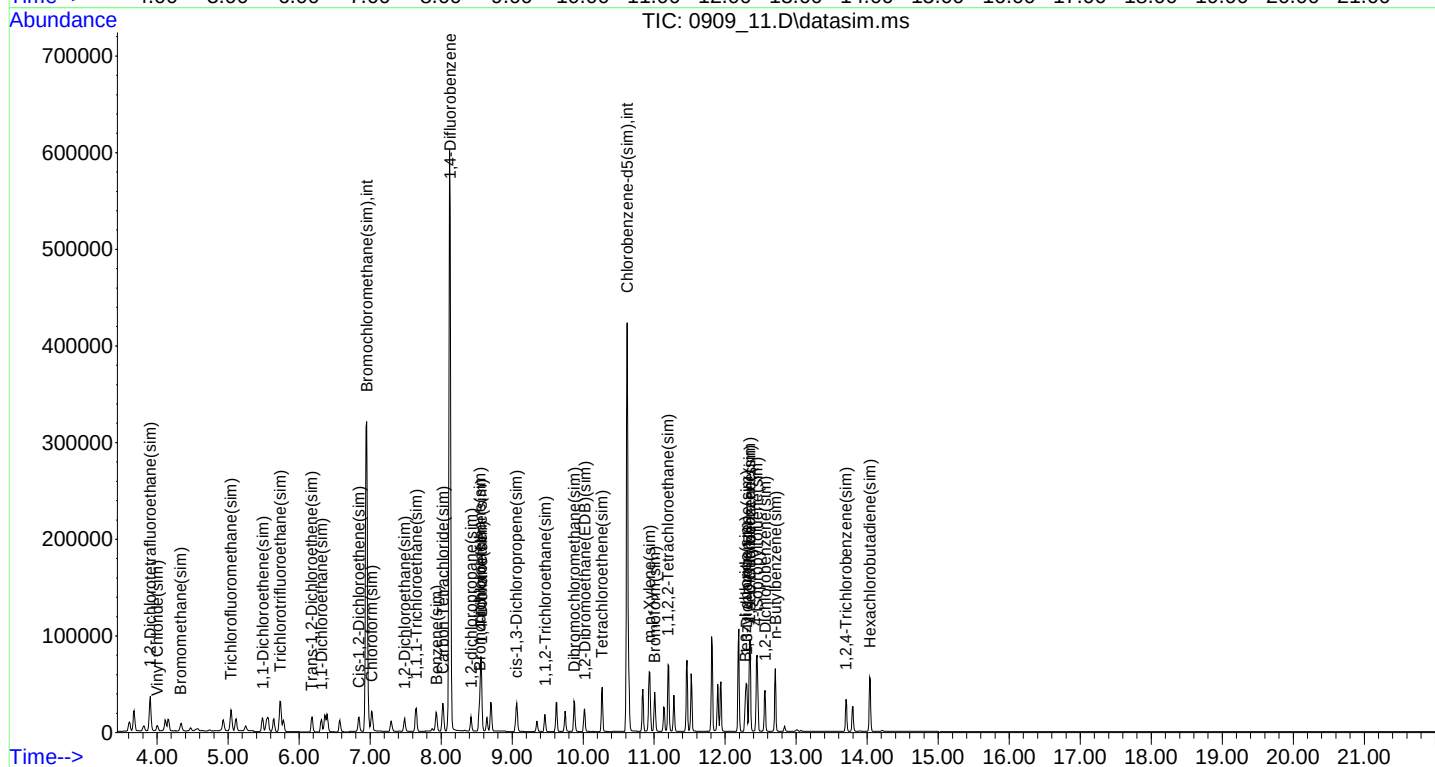
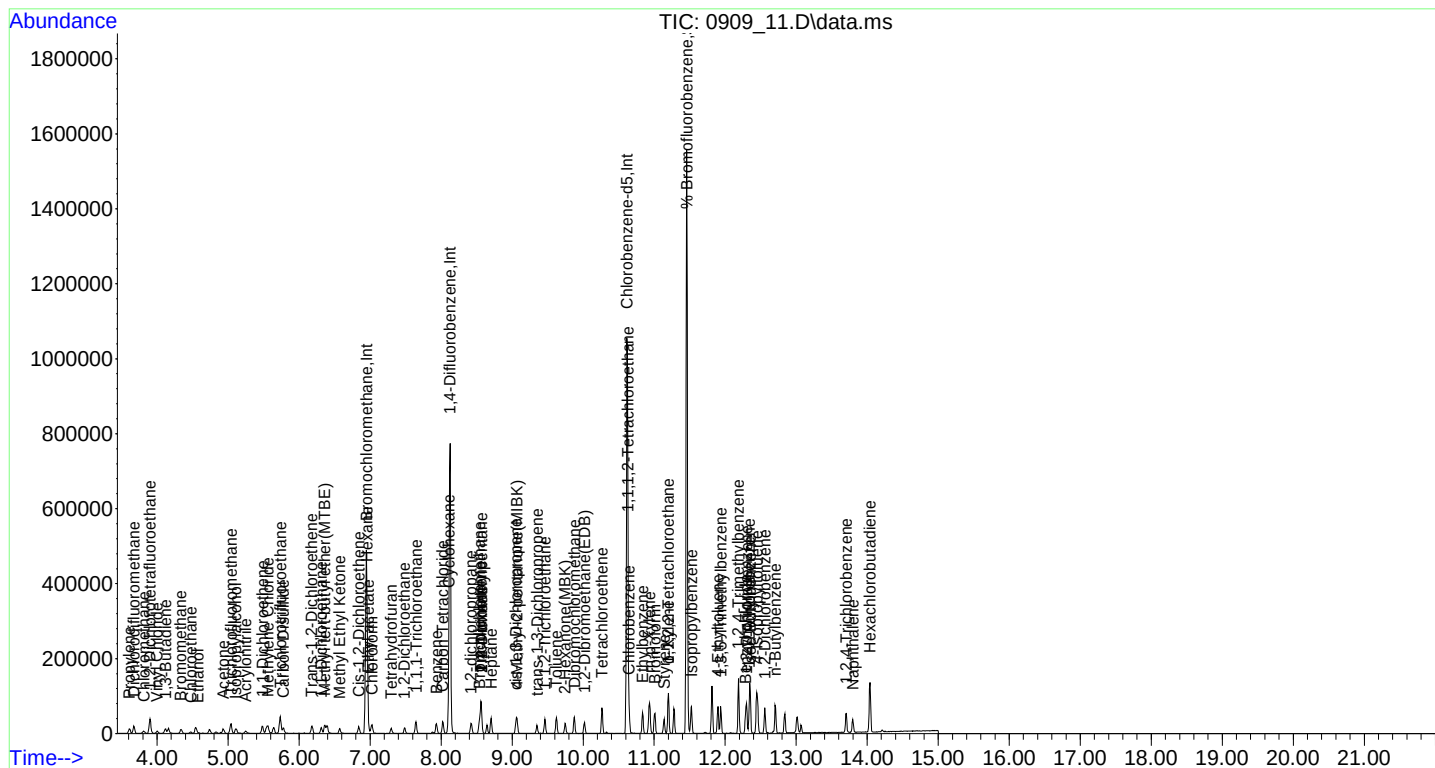
	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
110]	sec-Butylbenzene(sim)	12.350	105	48580	0.469	ppbv	95
111]	4-Isopropyltoluene(sim)	12.445	119	39594	0.458	ppbv#	85
112]	1,2-Dichlorobenzene(sim)	12.562	146	28548	0.490	ppbv	92
113]	n-Butylbenzene(sim)	12.704	91	33487	0.461	ppbv	94
114]	1,2,4-Trichlorobenzene...	13.701	180	18986	0.498	ppbv	96
116]	Hexachlorobutadiene(sim)	14.036	225	31938	0.467	ppbv	98

(#)out of range (m)manual integration reviewed by analyst (+)signals summed

Quantitation Report (RF) (QT Reviewed)

Data Path : H:\AIR2025\CHEM20\09SEP\09\
Data File : 0909_11.D
Acq On : 9 Sep 2025 4:32 pm
Operator :
Client ID : ICAL 0.5
Lab ID : 0.50 ppb; T01515A
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Sep 10 11:25:11 2025
Quant Method : H:\AIR2025\CHEM20\Methods\20_AIR_0909.M
Quant Title : VOA Standards for 5 point calibration
QLast Update : Wed Sep 10 11:24:27 2025
Response via : Initial Calibration



Quantitation Report (RF) (QT Reviewed)

Data Path : H:\AIR2025\CHEM20\09SEP\09\
 Data File : 0909_12.D
 Acq On : 9 Sep 2025 5:07 pm
 Operator :
 Client ID : ICAL 2.5
 Lab ID : 2.5 ppb; T01514Z
 ALS Vial : 7 Sample Multiplier: 1

Quant Time: Sep 10 11:25:12 2025
 Quant Method : H:\AIR2025\CHEM20\Methods\20_AIR_0909.M
 Quant Title : VOA Standards for 5 point calibration
 QLast Update : Wed Sep 10 11:24:27 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	6.949	130	153185	10.000	ng	0.00
36) 1,4-Difluorobenzene	8.126	114	542199	10.000	ng	0.00
53) Chlorobenzene-d5	10.617	82	258443	10.000	ng	0.00
78) Bromochloromethane(sim)	6.951	130	169925	10.000	ng	# 0.00
93) 1,4-Difluorobenzene(sim)	8.126	114	542199	10.000	ng	0.00
103) Chlorobenzene-d5(sim)	10.617	82	258443	10.000	ng	0.00

System Monitoring Compounds						
62) % Bromofluorobenzene	11.458	95	353756	10.491	ppbv	0.00
Spiked Amount	10.000	Range 70 - 130	Recovery	= 104.90%		

Target Compounds					Qvalue	
2) Propylene	3.608	41	28791	2.075	ppbv	95
3) Dichlorodifluoromethane	3.673	85	99505	2.359	ppbv	99
4) Chloromethane	3.811	50	31505	2.248	ppbv	91
5) 1,2-Dichlorotetrafluor...	3.900	85	92009	2.332	ppbv#	81
6) Vinyl Chloride	3.998	62	32628	2.316	ppbv	93
7) 1,3-Butadiene	4.119	54	24699	2.304	ppbv	93
8) Bromomethane	4.338	94	33927	2.348	ppbv#	92
9) Chloroethane	4.468	64	14033	2.275	ppbv	91
11) Ethanol	4.573	45	10644	2.243	ppbv#	43
12) Acetone	4.922	43	63235	2.236	ppbv#	80
13) Trichlorofluoromethane	5.044	101	100765	2.352	ppbv	95
14) Isopropylalcohol	5.101	45	65084	2.277	ppbv#	95
15) Acrylonitrile	5.247	53	21406	2.364	ppbv#	1
16) 1,1-Dichloroethene	5.485	61	57400	2.284	ppbv#	89
17) Methylene Chloride	5.563	49	46518	2.302	ppbv	98
20) Carbon Disulfide	5.777	76	90823	2.395	ppbv	95
21) Trichlorotrifluoroethane	5.735	101	72858	2.339	ppbv#	87
22) Trans-1,2-Dichloroethene	6.181	61	50744	2.333	ppbv	92
23) 1,1-Dichloroethane	6.312	63	63861	2.364	ppbv	95
24) Methyl tert-butyl ethe...	6.354	73	77119	2.289	ppbv#	85
25) Methyl Ethyl Ketone	6.562	43	74189	2.277	ppbv#	93
26) Cis-1,2-Dichloroethene	6.840	61	47331	2.292	ppbv	92
27) Hexane	6.956	57	46925	2.310	ppbv#	94
28) Chloroform	7.026	83	73927	2.322	ppbv	91
29) Ethyl acetate	6.964	61	11285	2.389	ppbv#	82
30) Tetrahydrofuran	7.289	42	35630	2.203	ppbv	90
31) 1,2-Dichloroethane	7.483	62	50609	2.299	ppbv	90
32) 1,1,1-Trichloroethane	7.646	97	79315	2.300	ppbv	97
33) Benzene	7.935	78	96424	2.275	ppbv	98
34) Carbon Tetrachloride	8.022	117	90433	2.330	ppbv	99
35) Cyclohexane	8.108	84	35832	2.098	ppbv	92
37) 1,2-dichloropropane	8.420	63	43533	2.346	ppbv#	84
38) Bromodichloromethane	8.541	83	83054	2.356	ppbv	95
39) Trichloroethene	8.558	130	54355	2.401	ppbv#	84
40) 2,2,4-trimethylpentane	8.567	57	160996	2.382	ppbv	100
41) 1,4-Dioxane	8.558	88	20370	2.240	ppbv	91
43) Heptane	8.705	43	67624	2.341	ppbv	92
44) cis-1,3-Dichloropropene	9.054	75	60147	2.280	ppbv	97
45) 4-Methyl-2-pentanone(M...	9.068	43	92319	2.279	ppbv#	92
46) trans-1,3-Dichloropropene	9.349	75	47996	2.282	ppbv	97
47) 1,1,2-Trichloroethane	9.462	97	48098	2.369	ppbv	95
48) Toluene	9.624	91	125984	2.288	ppbv	99

Quantitation Report (RF) (QT Reviewed)

Data Path : H:\AIR2025\CHEM20\09SEP\09\
 Data File : 0909_12.D
 Acq On : 9 Sep 2025 5:07 pm
 Operator :
 Client ID : ICAL 2.5
 Lab ID : 2.5 ppb; T01514Z
 ALS Vial : 7 Sample Multiplier: 1

Quant Time: Sep 10 11:25:12 2025
 Quant Method : H:\AIR2025\CHEM20\Methods\20_AIR_0909.M
 Quant Title : VOA Standards for 5 point calibration
 QLast Update : Wed Sep 10 11:24:27 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
49) Dibromochloromethane	9.877	129	99894	2.330	ppbv	98
50) 2-Hexanone(MBK)	9.743	43	86607	2.300	ppbv#	46
51) 1,2-Dibromoethane(EDB)	10.018	107	79237	2.334	ppbv	99
52) Tetrachloroethene	10.264	166	88357	2.331	ppbv#	87
54) 1,1,1,2-Tetrachloroethane	10.632	131	65060	2.474	ppbv#	93
55) Chlorobenzene	10.647	112	109193	2.478	ppbv	85
56) Ethylbenzene	10.837	91	155417	2.428	ppbv	84
57) m, p-Xylene	10.935	91	256714	5.234	ppbv	100
58) Bromoform	11.011	173	116981	2.418	ppbv	98
59) Styrene	11.140	104	90567	2.414	ppbv#	70
60) 1,1,2,2-Tetrachloroethane	11.201	83	98328	2.440	ppbv	98
61) o-Xylene	11.201	91	129641	2.522	ppbv#	88
64) Isopropylbenzene	11.527	105	193039	2.472	ppbv#	94
65) 4-Ethyltoluene	11.898	105	194243	2.584	ppbv#	88
66) 1,3,5-Trimethylbenzene	11.936	105	151906	2.450	ppbv#	90
67) 1,2,4-Trimethylbenzene	12.187	105	155826	2.489	ppbv	91
68) Benzyl chloride	12.286	91	110783	2.322	ppbv#	93
69) 1,3-Dichlorobenzene	12.301	146	125146	2.377	ppbv#	88
70) 1,4-Dichlorobenzene	12.339	146	113784	2.375	ppbv	100
71) sec-Butylbenzene	12.354	105	239386	2.561	ppbv#	90
72) 4-Isopropyltoluene	12.445	119	222365	2.540	ppbv	100
73) 1,2-Dichlorobenzene	12.559	146	111265	2.307	ppbv#	90
74) n-Butylbenzene	12.703	91	188316	2.492	ppbv	95
75) 1,2,4-Trichlorobenzene	13.706	180	72403	2.007	ppbv	93
76) Naphthalene	13.797	128	116484	2.038	ppbv#	96
77) Hexachlorobutadiene	14.040	225	103451	2.196	ppbv	97
79] 1,2-Dichlorotetrafluor...	3.900	85	92009	2.200	ppbv#	81
80] Vinyl Chloride(sim)	4.000	62	35145	1.944	ppbv	100
81] Bromomethane(sim)	4.338	94	33927	1.924	ppbv#	92
82] Trichlorofluoromethane...	5.047	101	110296	2.005	ppbv#	97
83] 1,2-Dichloroethane(sim)	7.483	62	50609	1.931	ppbv#	17
84] 1,1,1-Trichloroethane(...	7.649	97	88735	2.029	ppbv#	94
85] Benzene(sim)	7.935	78	96424	2.141	ppbv	98
86] Carbon Tetrachloride(sim)	8.025	117	99223	2.064	ppbv	100
87] 1,1-Dichloroethene(sim)	5.485	61	57400	1.919	ppbv#	89
88] Trichlorotrifluoroetha...	5.738	101	80383	1.898	ppbv#	92
89] Trans-1,2-Dichloroethe...	6.181	61	50744	2.202	ppbv	92
90] 1,1-Dichloroethane(sim)	6.315	63	69040	1.998	ppbv	99
91] Cis-1,2-Dichloroethene...	6.840	61	47331	1.940	ppbv	92
92] Chloroform(sim)	7.029	83	81100	2.082	ppbv	97
94] 1,2-dichloropropane(sim)	8.423	63	47186	2.078	ppbv#	86
95] Bromodichloromethane(sim)	8.541	83	83054	2.119	ppbv	96
96] Trichloroethene(sim)	8.561	130	60785	2.095	ppbv	90
97] 1,4-Dioxane(sim)	8.558	88	20370	2.318	ppbv	91
98] cis-1,3-Dichloropropen...	9.056	75	66554	2.105	ppbv	97
99] 1,1,2-Trichloroethane(...	9.462	97	48098	1.991	ppbv	95
100] Dibromochloromethane(sim)	9.873	129	109440	2.034	ppbv	100
101] 1,2-Dibromoethane(EDB)...	10.018	107	79237	2.034	ppbv	99
102] Tetrachloroethene(sim)	10.267	166	100723	2.089	ppbv	95
104] Bromoform(sim)	11.006	173	133533	2.132	ppbv	98
105] m, p-Xylene(sim)	10.935	91	256714	4.867	ppbv#	91
106] 1,1,2,2-Tetrachloroeth...	11.196	83	106624	1.935	ppbv	97
107] Benzyl chloride(sim)	12.286	91	110783	2.481	ppbv	93
108] 1,3-Dichlorobenzene(sim)	12.304	146	140674	2.170	ppbv#	92
109] 1,4-Dichlorobenzene(sim)	12.339	146	113784	2.231	ppbv	86

Quantitation Report (RF) (QT Reviewed)

Data Path : H:\AIR2025\CHEM20\09SEP\09\
Data File : 0909_12.D
Acq On : 9 Sep 2025 5:07 pm
Operator :
Client ID : ICAL 2.5
Lab ID : 2.5 ppb; T01514Z
ALS Vial : 7 Sample Multiplier: 1

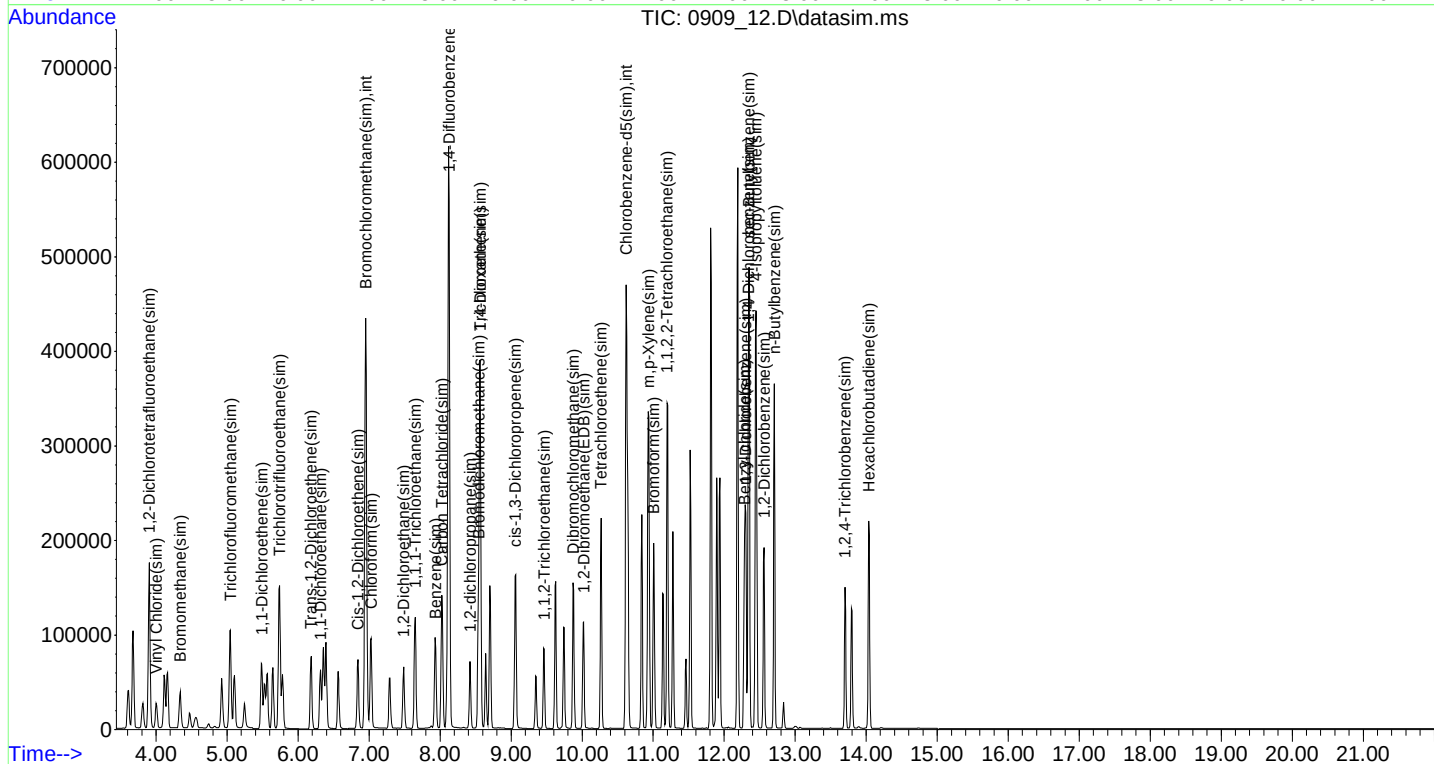
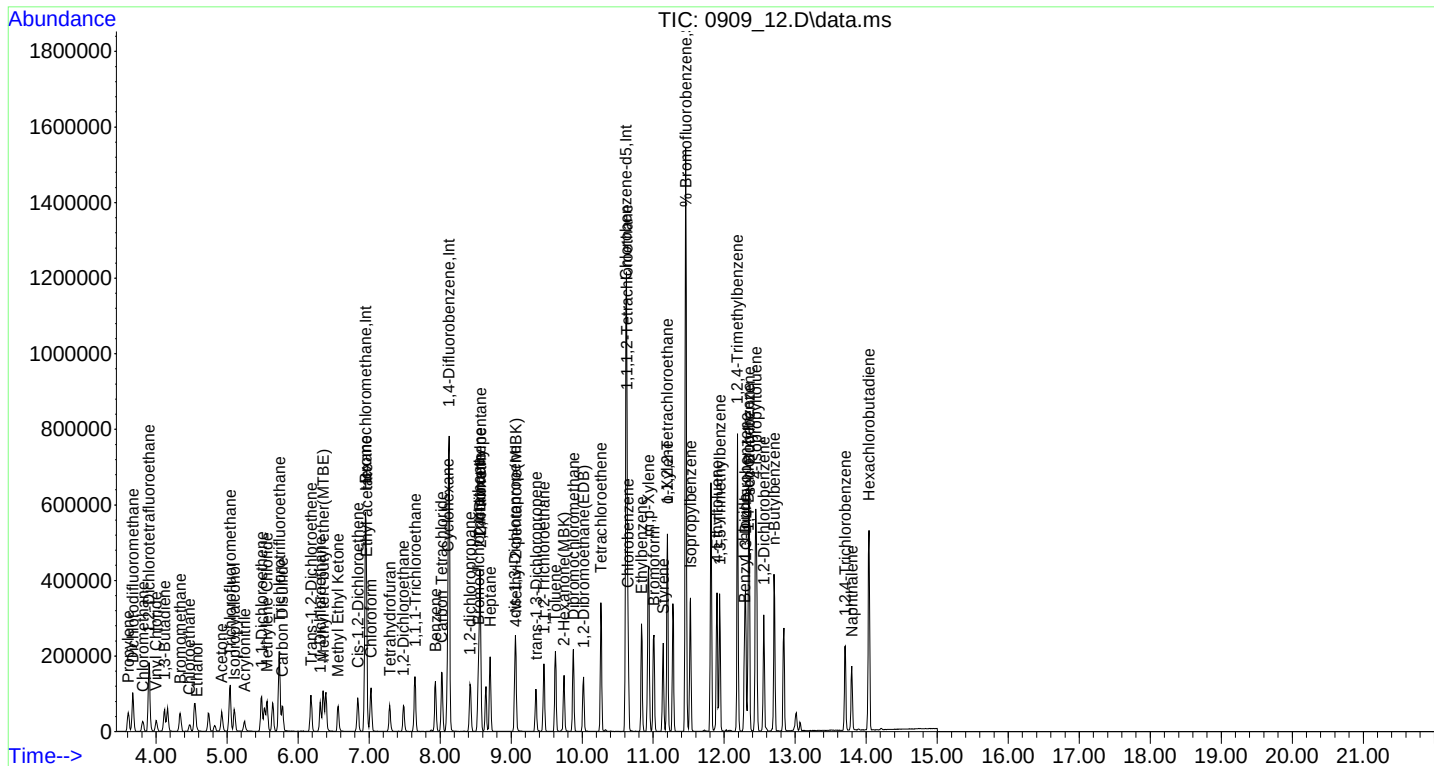
Quant Time: Sep 10 11:25:12 2025
Quant Method : H:\AIR2025\CHEM20\Methods\20_AIR_0909.M
Quant Title : VOA Standards for 5 point calibration
QLast Update : Wed Sep 10 11:24:27 2025
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
110]	sec-Butylbenzene(sim)	12.349	105	264290	2.513	ppbv	95
111]	4-Isopropyltoluene(sim)	12.445	119	222365	2.533	ppbv#	84
112]	1,2-Dichlorobenzene(sim)	12.562	146	128839	2.175	ppbv	92
113]	n-Butylbenzene(sim)	12.703	91	188316	2.551	ppbv	95
114]	1,2,4-Trichlorobenzene...	13.701	180	85616	2.212	ppbv	97
116]	Hexachlorobutadiene(sim)	14.035	225	124315	1.789	ppbv	98

(#)out of range (m>manual integration reviewed by analyst (+)signals summed

Data Path : H:\AIR2025\CHEM20\09SEP\09\
Data File : 0909_12.D
Acq On : 9 Sep 2025 5:07 pm
Operator :
Client ID : ICAL 2.5
Lab ID : 2.5 ppb; T01514Z
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Sep 10 11:25:12 2025
Quant Method : H:\AIR2025\CHEM20\Methods\20_AIR_0909.M
Quant Title : VOA Standards for 5 point calibration
Qlast Update : Wed Sep 10 11:24:27 2025
Response via : Initial Calibration



Quantitation Report (RF) (QT Reviewed)

Data Path : H:\AIR2025\CHEM20\09SEP\09\
 Data File : 0909_13.D
 Acq On : 9 Sep 2025 5:39 pm
 Operator :
 Client ID : ICAL 5
 Lab ID : 5.0 ppb; T01514Y
 ALS Vial : 8 Sample Multiplier: 1

Quant Time: Sep 10 11:25:13 2025
 Quant Method : H:\AIR2025\CHEM20\Methods\20_AIR_0909.M
 Quant Title : VOA Standards for 5 point calibration
 QLast Update : Wed Sep 10 11:24:27 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	6.949	130	143628	10.000	ng	0.00
36) 1,4-Difluorobenzene	8.126	114	520839	10.000	ng	0.00
53) Chlorobenzene-d5	10.617	82	255180	10.000	ng	0.00
78) Bromochloromethane(sim)	6.951	130	161099	10.000	ng	# 0.00
93) 1,4-Difluorobenzene(sim)	8.126	114	520839	10.000	ng	0.00
103) Chlorobenzene-d5(sim)	10.617	82	255180	10.000	ng	0.00

System Monitoring Compounds

62) % Bromofluorobenzene	11.458	95	346697	10.414	ppbv	0.00
Spiked Amount	10.000	Range 70 - 130	Recovery	=	104.10%	

Target Compounds

						Qvalue
2) Propylene	3.608	41	68018	5.227	ppbv	93
3) Dichlorodifluoromethane	3.673	85	222684	5.630	ppbv	99
4) Chloromethane	3.811	50	71355	5.431	ppbv	94
5) 1,2-Dichlorotetrafluor...	3.900	85	206171	5.572	ppbv#	80
6) Vinyl Chloride	4.006	62	72090	5.457	ppbv	94
7) 1,3-Butadiene	4.119	54	54499	5.421	ppbv	95
8) Bromomethane	4.338	94	73496	5.425	ppbv#	89
9) Chloroethane	4.468	64	31266	5.407	ppbv	92
11) Ethanol	4.565	45	23120	5.197	ppbv#	44
12) Acetone	4.922	43	140624	5.302	ppbv#	81
13) Trichlorofluoromethane	5.044	101	224039	5.578	ppbv	95
14) Isopropylalcohol	5.093	45	144571	5.395	ppbv#	95
15) Acrylonitrile	5.247	53	48940	5.765	ppbv#	1
16) 1,1-Dichloroethene	5.485	61	127802	5.423	ppbv#	89
17) Methylene Chloride	5.563	49	101394	5.350	ppbv	98
20) Carbon Disulfide	5.777	76	197202	5.547	ppbv	97
21) Trichlorotrifluoroethane	5.735	101	162080	5.549	ppbv#	89
22) Trans-1,2-Dichloroethene	6.181	61	111612	5.472	ppbv	92
23) 1,1-Dichloroethane	6.312	63	140730	5.556	ppbv	95
24) Methyl tert-butyl ethe...	6.348	73	176148	5.576	ppbv#	85
25) Methyl Ethyl Ketone	6.557	43	166839	5.462	ppbv#	92
26) Cis-1,2-Dichloroethene	6.840	61	106680	5.510	ppbv	91
27) Hexane	6.956	57	107462	5.642	ppbv	95
28) Chloroform	7.026	83	165102	5.532	ppbv	93
29) Ethyl acetate	6.956	61	26180	5.911	ppbv#	82
30) Tetrahydrofuran	7.282	42	84810	5.592	ppbv	91
31) 1,2-Dichloroethane	7.483	62	113687	5.509	ppbv#	89
32) 1,1,1-Trichloroethane	7.646	97	181302	5.607	ppbv	98
33) Benzene	7.935	78	221163	5.566	ppbv	97
34) Carbon Tetrachloride	8.022	117	205571	5.649	ppbv	99
35) Cyclohexane	8.108	84	82647	5.161	ppbv	90
37) 1,2-dichloropropane	8.420	63	97440	5.466	ppbv#	86
38) Bromodichloromethane	8.541	83	186800	5.516	ppbv	93
39) Trichloroethene	8.558	130	118949	5.469	ppbv#	86
40) 2,2,4-trimethylpentane	8.567	57	370695	5.708	ppbv	100
41) 1,4-Dioxane	8.558	88	49735	5.693	ppbv	89
43) Heptane	8.705	43	157383	5.672	ppbv	92
44) cis-1,3-Dichloropropene	9.054	75	137719	5.434	ppbv	96
45) 4-Methyl-2-pentanone(M...	9.061	43	216471	5.564	ppbv#	93
46) trans-1,3-Dichloropropene	9.349	75	108715	5.381	ppbv	97
47) 1,1,2-Trichloroethane	9.462	97	106641	5.467	ppbv	97
48) Toluene	9.624	91	295401	5.586	ppbv	98

Quantitation Report (RF) (QT Reviewed)

Data Path : H:\AIR2025\CHEM20\09SEP\09\
 Data File : 0909_13.D
 Acq On : 9 Sep 2025 5:39 pm
 Operator :
 Client ID : ICAL 5
 Lab ID : 5.0 ppb; T01514Y
 ALS Vial : 8 Sample Multiplier: 1

Quant Time: Sep 10 11:25:13 2025
 Quant Method : H:\AIR2025\CHEM20\Methods\20_AIR_0909.M
 Quant Title : VOA Standards for 5 point calibration
 QLast Update : Wed Sep 10 11:24:27 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
49) Dibromochloromethane	9.877	129	226361	5.497	ppbv	99
50) 2-Hexanone(MBK)	9.743	43	205307	5.677	ppbv#	43
51) 1,2-Dibromoethane(EDB)	10.018	107	177659	5.447	ppbv	97
52) Tetrachloroethene	10.264	166	199601	5.483	ppbv#	86
54) 1,1,1,2-Tetrachloroethane	10.632	131	147363	5.674	ppbv#	92
55) Chlorobenzene	10.647	112	246190	5.659	ppbv#	83
56) Ethylbenzene	10.837	91	371256	5.874	ppbv	83
57) m, p-Xylene	10.935	91	597366	12.334	ppbv	100
58) Bromoform	11.011	173	274480	5.747	ppbv	98
59) Styrene	11.140	104	224350	6.056	ppbv#	70
60) 1,1,2,2-Tetrachloroethane	11.201	83	225798	5.674	ppbv	98
61) o-Xylene	11.201	91	304587	6.000	ppbv#	89
64) Isopropylbenzene	11.527	105	448154	5.813	ppbv#	94
65) 4-Ethyltoluene	11.898	105	438627	5.910	ppbv	90
66) 1,3,5-Trimethylbenzene	11.936	105	376228	6.145	ppbv#	91
67) 1,2,4-Trimethylbenzene	12.187	105	381207	6.167	ppbv#	92
68) Benzyl chloride	12.286	91	283542	6.018	ppbv#	93
69) 1,3-Dichlorobenzene	12.301	146	300411	5.779	ppbv#	88
70) 1,4-Dichlorobenzene	12.339	146	274955	5.813	ppbv	100
71) sec-Butylbenzene	12.354	105	552587	5.988	ppbv#	90
72) 4-Isopropyltoluene	12.445	119	530605	6.138	ppbv	100
73) 1,2-Dichlorobenzene	12.559	146	270087	5.672	ppbv#	91
74) n-Butylbenzene	12.704	91	456953	6.124	ppbv	96
75) 1,2,4-Trichlorobenzene	13.706	180	204257	5.733	ppbv	95
76) Naphthalene	13.797	128	334028	5.920	ppbv#	95
77) Hexachlorobutadiene	14.040	225	250730	5.389	ppbv	98
79] 1,2-Dichlorotetrafluor...	3.900	85	206119	5.198	ppbv#	80
80] Vinyl Chloride(sim)	4.000	62	79070	4.613	ppbv	100
81] Bromomethane(sim)	4.338	94	73496	4.396	ppbv#	90
82] Trichlorofluoromethane...	5.039	101	244870	4.696	ppbv#	96
83] 1,2-Dichloroethane(sim)	7.483	62	113687	4.576	ppbv#	14
84] 1,1,1-Trichloroethane(...	7.649	97	202911	4.893	ppbv#	93
85] Benzene(sim)	7.935	78	221163	5.180	ppbv	97
86] Carbon Tetrachloride(sim)	8.025	117	224941	4.935	ppbv	100
87] 1,1-Dichloroethene(sim)	5.485	61	127802	4.506	ppbv#	89
88] Trichlorotrifluoroetha...	5.732	101	175944	4.381	ppbv#	92
89] Trans-1,2-Dichloroethe...	6.181	61	111612	5.109	ppbv	92
90] 1,1-Dichloroethane(sim)	6.315	63	153143	4.676	ppbv	99
91] Cis-1,2-Dichloroethene...	6.840	61	106680	4.612	ppbv	91
92] Chloroform(sim)	7.029	83	179752	4.868	ppbv	96
94] 1,2-dichloropropane(sim)	8.423	63	107017	4.907	ppbv#	86
95] Bromodichloromethane(sim)	8.541	83	186800	4.962	ppbv	94
96] Trichloroethene(sim)	8.561	130	136826	4.909	ppbv	91
97] 1,4-Dioxane(sim)	8.558	88	49735	5.893	ppbv	89
98] cis-1,3-Dichloropropen...	9.056	75	153968	5.069	ppbv	97
99] 1,1,2-Trichloroethane(...	9.462	97	106641	4.596	ppbv	97
100] Dibromochloromethane(sim)	9.873	129	250179	4.841	ppbv	99
101] 1,2-Dibromoethane(EDB)...	10.018	107	177659	4.748	ppbv	97
102] Tetrachloroethene(sim)	10.267	166	225295	4.864	ppbv	94
104] Bromoform(sim)	11.006	173	308985	4.995	ppbv	98
105] m, p-Xylene(sim)	10.935	91	598543	11.493	ppbv#	92
106] 1,1,2,2-Tetrachloroeth...	11.196	83	242719	4.462	ppbv	96
107] Benzyl chloride(sim)	12.286	91	283542	6.432	ppbv	93
108] 1,3-Dichlorobenzene(sim)	12.304	146	335031	5.234	ppbv#	91
109] 1,4-Dichlorobenzene(sim)	12.339	146	274955	5.461	ppbv	87

Quantitation Report (RF) (QT Reviewed)

Data Path : H:\AIR2025\CHEM20\09SEP\09\
Data File : 0909_13.D
Acq On : 9 Sep 2025 5:39 pm
Operator :
Client ID : ICAL 5
Lab ID : 5.0 ppb; T01514Y
ALS Vial : 8 Sample Multiplier: 1

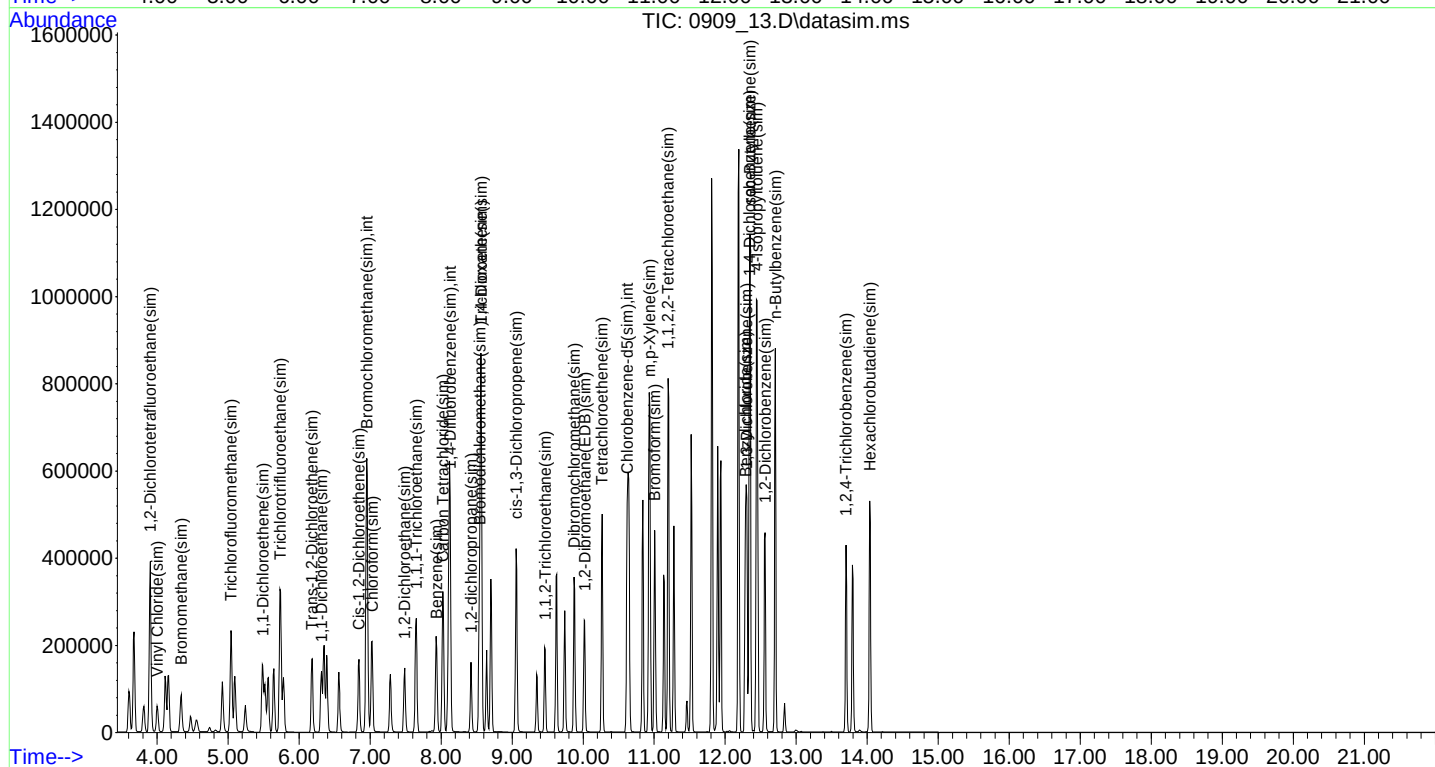
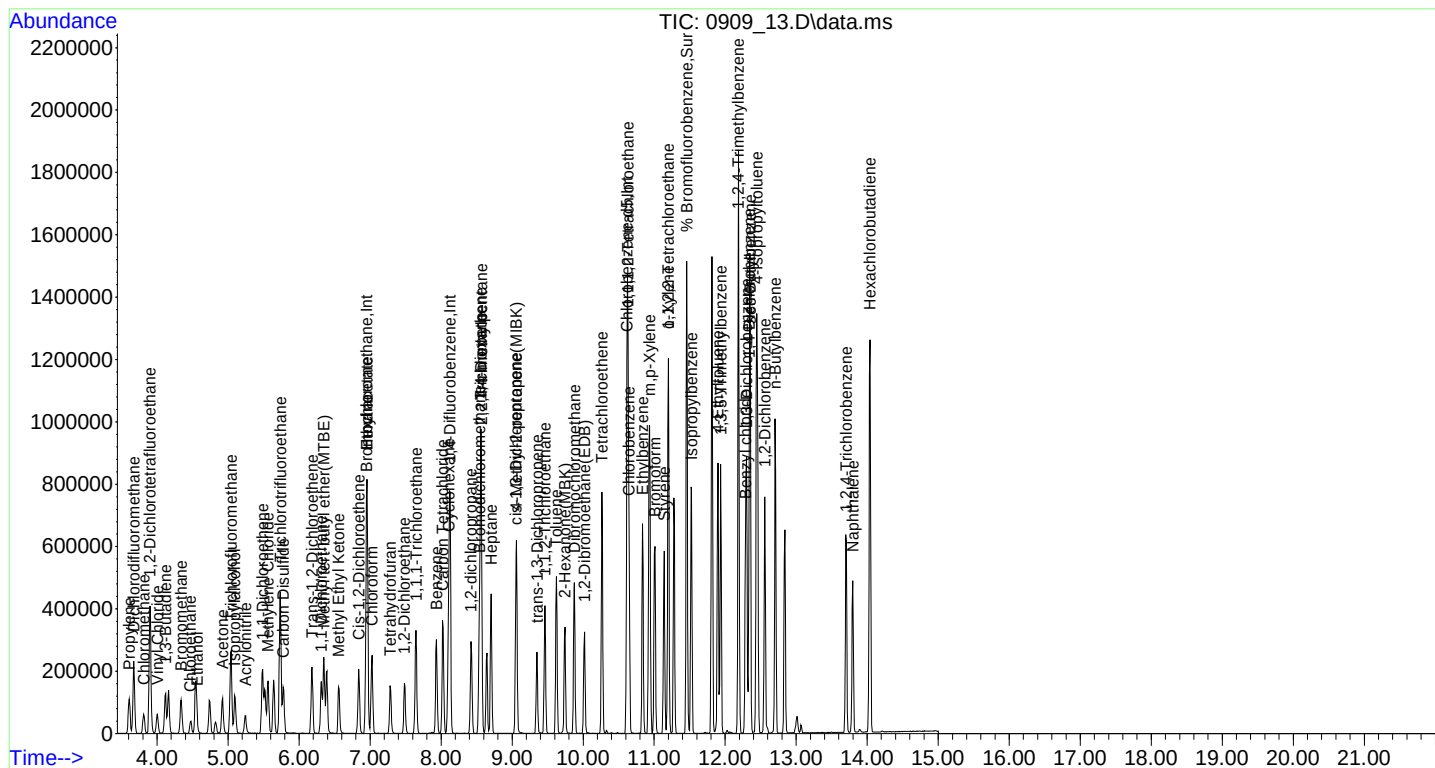
Quant Time: Sep 10 11:25:13 2025
Quant Method : H:\AIR2025\CHEM20\Methods\20_AIR_0909.M
Quant Title : VOA Standards for 5 point calibration
QLast Update : Wed Sep 10 11:24:27 2025
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
110]	sec-Butylbenzene(sim)	12.349	105	610965	5.883	ppbv	95
111]	4-Isopropyltoluene(sim)	12.445	119	530605	6.121	ppbv#	83
112]	1,2-Dichlorobenzene(sim)	12.562	146	313550	5.362	ppbv	92
113]	n-Butylbenzene(sim)	12.704	91	456953	6.269	ppbv	96
114]	1,2,4-Trichlorobenzene...	13.701	180	237543	6.216	ppbv	97
116]	Hexachlorobutadiene(sim)	14.035	225	295782	4.312	ppbv	98

(#)out of range (m)manual integration reviewed by analyst (+)signals summed

Data Path : H:\AIR2025\CHEM20\09SEP\09\
Data File : 0909_13.D
Acq On : 9 Sep 2025 5:39 pm
Operator :
Client ID : ICAL 5
Lab ID : 5.0 ppb; T01514Y
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Sep 10 11:25:13 2025
Quant Method : H:\AIR2025\CHEM20\Methods\20_AIR_0909.M
Quant Title : VOA Standards for 5 point calibration
QLast Update : Wed Sep 10 11:24:27 2025
Response via : Initial Calibration



Quantitation Report (RF) (QT Reviewed)

Data Path : H:\AIR2025\CHEM20\09SEP\09\
 Data File : 0909_14.D
 Acq On : 9 Sep 2025 6:14 pm
 Operator :
 Client ID : ICAL 25
 Lab ID : 25 ppb; T01514Y
 ALS Vial : 10 Sample Multiplier: 1

Quant Time: Sep 10 11:25:14 2025
 Quant Method : H:\AIR2025\CHEM20\Methods\20_AIR_0909.M
 Quant Title : VOA Standards for 5 point calibration
 QLast Update : Wed Sep 10 11:24:27 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	6.949	130	139319	10.000	ng	0.00
36) 1,4-Difluorobenzene	8.126	114	502652	10.000	ng	0.00
53) Chlorobenzene-d5	10.624	82	289894	10.000	ng	0.00
78) Bromochloromethane(sim)	6.952	130	154772	10.000	ng	# 0.00
93) 1,4-Difluorobenzene(sim)	8.126	114	502652	10.000	ng	0.00
103) Chlorobenzene-d5(sim)	10.624	82	289894	10.000	ng	0.00
System Monitoring Compounds						
62) % Bromofluorobenzene	11.458	95	357438	9.451	ppbv	0.00
Spiked Amount	10.000	Range 70 - 130	Recovery	=	94.50%	
Target Compounds						
					Qvalue	
2) Propylene	3.608	41	311055	24.644	ppbv	92
3) Dichlorodifluoromethane	3.673	85	957229	24.950	ppbv	99
4) Chloromethane	3.811	50	309740	24.306	ppbv	94
5) 1,2-Dichlorotetrafluor...	3.900	85	866770	24.151	ppbv#	80
6) Vinyl Chloride	4.006	62	307314	23.982	ppbv	93
7) 1,3-Butadiene	4.119	54	242442	24.864	ppbv	95
8) Bromomethane	4.338	94	320274	24.372	ppbv#	90
9) Chloroethane	4.476	64	133850	23.862	ppbv	91
11) Ethanol	4.565	45	101993	23.634	ppbv#	43
12) Acetone	4.914	43	597649	23.232	ppbv#	81
13) Trichlorofluoromethane	5.044	101	944705	24.248	ppbv	94
14) Isopropylalcohol	5.093	45	614561	23.645	ppbv#	95
15) Acrylonitrile	5.247	53	200046	24.293	ppbv#	1
16) 1,1-Dichloroethene	5.485	61	545709	23.873	ppbv#	89
17) Methylene Chloride	5.563	49	416321	22.648	ppbv	98
20) Carbon Disulfide	5.783	76	817554	23.706	ppbv	96
21) Trichlorotrifluoroethane	5.736	101	671349	23.694	ppbv#	88
22) Trans-1,2-Dichloroethene	6.182	61	488348	24.682	ppbv	92
23) 1,1-Dichloroethane	6.317	63	592511	24.116	ppbv	96
24) Methyl tert-butyl ethe...	6.348	73	782297	25.529	ppbv#	88
25) Methyl Ethyl Ketone	6.557	43	737736	24.898	ppbv#	92
26) Cis-1,2-Dichloroethene	6.840	61	481113	25.619	ppbv	91
27) Hexane	6.956	57	491025	26.579	ppbv#	97
28) Chloroform	7.026	83	697946	24.109	ppbv	92
29) Ethyl acetate	6.956	61	111129	25.867	ppbv#	84
30) Tetrahydrofuran	7.282	42	394391	26.810	ppbv	91
31) 1,2-Dichloroethane	7.491	62	491493	24.551	ppbv#	90
32) 1,1,1-Trichloroethane	7.646	97	772129	24.618	ppbv	97
33) Benzene	7.935	78	982360	25.486	ppbv	97
34) Carbon Tetrachloride	8.030	117	888171	25.160	ppbv	99
35) Cyclohexane	8.108	84	369299	23.773	ppbv	90
37) 1,2-dichloropropane	8.428	63	435155	25.292	ppbv#	85
38) Bromodichloromethane	8.541	83	815435	24.952	ppbv	93
39) Trichloroethene	8.558	130	503025	23.963	ppbv#	84
40) 2,2,4-trimethylpentane	8.567	57	1582048	25.244	ppbv	99
41) 1,4-Dioxane	8.550	88	218744	25.947	ppbv	90
43) Heptane	8.705	43	691160	25.808	ppbv	91
44) cis-1,3-Dichloropropene	9.054	75	643756	26.321	ppbv	96
45) 4-Methyl-2-pentanone(M...	9.061	43	967255	25.761	ppbv#	93
46) trans-1,3-Dichloropropene	9.349	75	520682	26.704	ppbv	97
47) 1,1,2-Trichloroethane	9.462	97	465180	24.711	ppbv	97
48) Toluene	9.624	91	1318924	25.843	ppbv	98

Quantitation Report (RF) (QT Reviewed)

Data Path : H:\AIR2025\CHEM20\09SEP\09\
 Data File : 0909_14.D
 Acq On : 9 Sep 2025 6:14 pm
 Operator :
 Client ID : ICAL 25
 Lab ID : 25 ppb; T01514Y
 ALS Vial : 10 Sample Multiplier: 1

Quant Time: Sep 10 11:25:14 2025
 Quant Method : H:\AIR2025\CHEM20\Methods\20_AIR_0909.M
 Quant Title : VOA Standards for 5 point calibration
 QLast Update : Wed Sep 10 11:24:27 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
49) Dibromochloromethane	9.877	129	999119	25.140	ppbv	98
50) 2-Hexanone(MBK)	9.736	43	929598	26.635	ppbv#	43
51) 1,2-Dibromoethane(EDB)	10.018	107	792915	25.190	ppbv	98
52) Tetrachloroethene	10.264	166	854067	24.308	ppbv#	88
54) 1,1,1,2-Tetrachloroethane	10.632	131	662501	22.455	ppbv#	93
55) Chlorobenzene	10.647	112	1065687	21.562	ppbv#	83
56) Ethylbenzene	10.837	91	1693720	23.587	ppbv	83
57) m, p-Xylene	10.935	91	2613837	47.508	ppbv	100
58) Bromoform	11.011	173	1227369	22.621	ppbv	97
59) Styrene	11.140	104	1048816	24.921	ppbv#	70
60) 1,1,2,2-Tetrachloroethane	11.201	83	984675	21.780	ppbv	98
61) o-Xylene	11.201	91	1352504	23.453	ppbv#	90
64) Isopropylbenzene	11.527	105	2010272	22.952	ppbv#	94
65) 4-Ethyltoluene	11.899	105	2050214	24.317	ppbv	91
66) 1,3,5-Trimethylbenzene	11.937	105	1603937	23.060	ppbv#	91
67) 1,2,4-Trimethylbenzene	12.187	105	1714821	24.421	ppbv#	92
68) Benzyl chloride	12.286	91	1377710	25.740	ppbv#	92
69) 1,3-Dichlorobenzene	12.301	146	1311957	22.214	ppbv#	88
70) 1,4-Dichlorobenzene	12.339	146	1224438	22.788	ppbv	100
71) sec-Butylbenzene	12.354	105	2438740	23.262	ppbv#	90
72) 4-Isopropyltoluene	12.445	119	2359675	24.026	ppbv	100
73) 1,2-Dichlorobenzene	12.559	146	1239169	22.906	ppbv#	92
74) n-Butylbenzene	12.704	91	2113421	24.930	ppbv	97
75) 1,2,4-Trichlorobenzene	13.706	180	1083919	26.780	ppbv	94
76) Naphthalene	13.797	128	1773312	27.664	ppbv#	95
77) Hexachlorobutadiene	14.040	225	1158922	21.928	ppbv	98
79] 1,2-Dichlorotetrafluor...	3.900	85	865810	22.726	ppbv#	80
80] Vinyl Chloride(sim)	4.001	62	336699	20.445	ppbv	100
81] Bromomethane(sim)	4.338	94	320274	19.939	ppbv#	90
82] Trichlorofluoromethane...	5.047	101	1025994	20.482	ppbv#	96
83] 1,2-Dichloroethane(sim)	7.491	62	491493	20.593	ppbv#	13
84] 1,1,1-Trichloroethane(...	7.649	97	864623	21.703	ppbv#	93
85] Benzene(sim)	7.935	78	982356	23.948	ppbv	97
86] Carbon Tetrachloride(sim)	8.025	117	965310	22.043	ppbv	99
87] 1,1-Dichloroethene(sim)	5.485	61	545709	20.026	ppbv#	89
88] Trichlorotrifluoroetha...	5.738	101	722947	18.739	ppbv#	92
89] Trans-1,2-Dichloroethe...	6.182	61	488348	23.268	ppbv	92
90] 1,1-Dichloroethane(sim)	6.315	63	648101	20.596	ppbv	99
91] Cis-1,2-Dichloroethene...	6.840	61	480904	21.642	ppbv	91
92] Chloroform(sim)	7.029	83	760415	21.434	ppbv	96
94] 1,2-dichloropropane(sim)	8.423	63	476771	22.651	ppbv#	85
95] Bromodichloromethane(sim)	8.541	83	815435	22.446	ppbv	93
96] Trichloroethene(sim)	8.561	130	562402	20.906	ppbv	91
97] 1,4-Dioxane(sim)	8.550	88	218744	26.856	ppbv	90
98] cis-1,3-Dichloropropen...	9.057	75	713884	24.354	ppbv	97
99] 1,1,2-Trichloroethane(...	9.462	97	465180	20.772	ppbv	97
100] Dibromochloromethane(sim)	9.880	129	1100489	22.066	ppbv	100
101] 1,2-Dibromoethane(EDB)...	10.018	107	792915	21.959	ppbv	98
102] Tetrachloroethene(sim)	10.267	166	966301	21.617	ppbv	94
104] Bromoform(sim)	11.014	173	1364209	19.415	ppbv	98
105] m, p-Xylene(sim)	10.935	91	2616941	44.233	ppbv#	93
106] 1,1,2,2-Tetrachloroeth...	11.196	83	1039140	16.815	ppbv	96
107] Benzyl chloride(sim)	12.286	91	1377710	27.508	ppbv	92
108] 1,3-Dichlorobenzene(sim)	12.304	146	1534234	21.097	ppbv#	90
109] 1,4-Dichlorobenzene(sim)	12.339	146	1224899	21.415	ppbv	87

Quantitation Report (RF) (QT Reviewed)

Data Path : H:\AIR2025\CHEM20\09SEP\09\
Data File : 0909_14.D
Acq On : 9 Sep 2025 6:14 pm
Operator :
Client ID : ICAL 25
Lab ID : 25 ppb; T01514Y
ALS Vial : 10 Sample Multiplier: 1

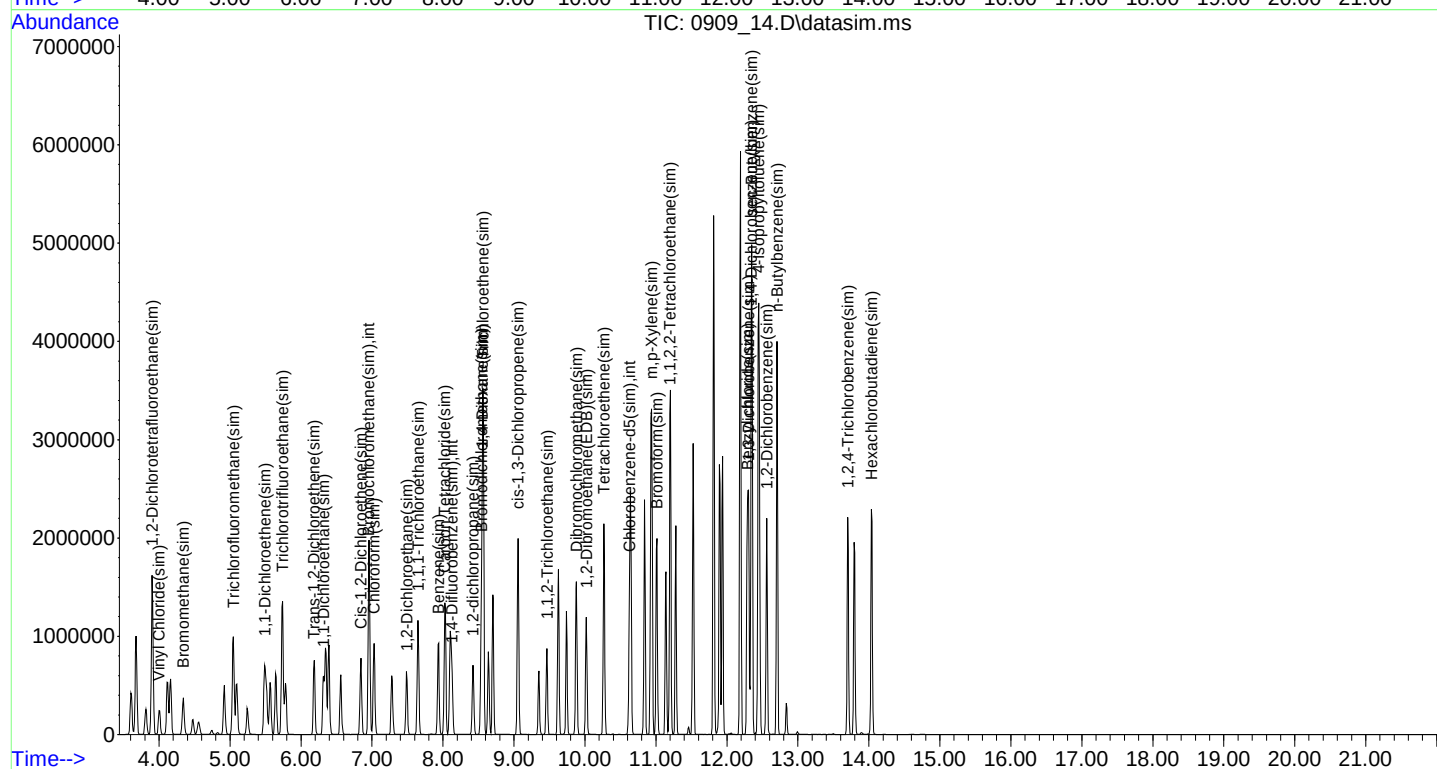
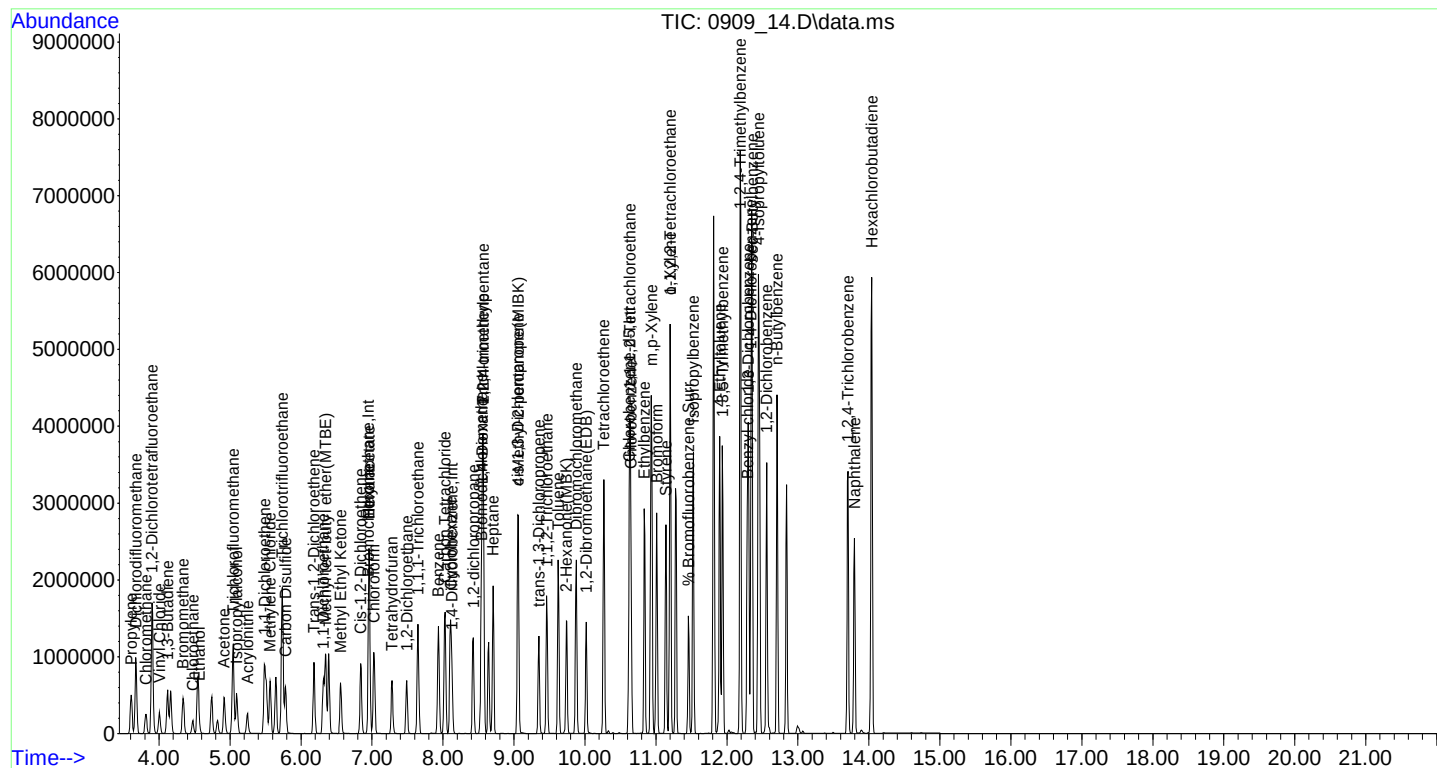
Quant Time: Sep 10 11:25:14 2025
Quant Method : H:\AIR2025\CHEM20\Methods\20_AIR_0909.M
Quant Title : VOA Standards for 5 point calibration
QLast Update : Wed Sep 10 11:24:27 2025
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
110]	sec-Butylbenzene(sim)	12.350	105	2625398	22.254	ppbv	95
111]	4-Isopropyltoluene(sim)	12.445	119	2360357	23.967	ppbv#	83
112]	1,2-Dichlorobenzene(sim)	12.562	146	1420400	21.382	ppbv	92
113]	n-Butylbenzene(sim)	12.704	91	2113712	25.525	ppbv	97
114]	1,2,4-Trichlorobenzene...	13.701	180	1243674	28.646	ppbv	96
116]	Hexachlorobutadiene(sim)	14.036	225	1307174	16.774	ppbv	98

(#)out of range (m>manual integration reviewed by analyst (+)signals summed

Data Path : H:\AIR2025\CHEM20\09SEP\09\
Data File : 0909_14.D
Acq On : 9 Sep 2025 6:14 pm
Operator :
Client ID : ICAL 25
Lab ID : 25 ppb; T01514Y
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Sep 10 11:25:14 2025
Quant Method : H:\AIR2025\CHEM20\Methods\20_AIR_0909.M
Quant Title : VOA Standards for 5 point calibration
QLast Update : Wed Sep 10 11:24:27 2025
Response via : Initial Calibration



Quantitation Report (RF) (QT Reviewed)

Data Path : H:\AIR2025\CHEM20\09SEP\09\
 Data File : 0909_15.D
 Acq On : 9 Sep 2025 6:51 pm
 Operator :
 Client ID : ICAL 40
 Lab ID : 40ppb; T01514Y
 ALS Vial : 10 Sample Multiplier: 1

Quant Time: Sep 10 11:25:15 2025
 Quant Method : H:\AIR2025\CHEM20\Methods\20_AIR_0909.M
 Quant Title : VOA Standards for 5 point calibration
 QLast Update : Wed Sep 10 11:24:27 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	6.948	130	135959	10.000	ng	0.00
36) 1,4-Difluorobenzene	8.125	114	495266	10.000	ng	0.00
53) Chlorobenzene-d5	10.624	82	316539	10.000	ng	0.00
78) Bromochloromethane(sim)	6.951	130	152024	10.000	ng	# 0.00
93) 1,4-Difluorobenzene(sim)	8.125	114	495266	10.000	ng	0.00
103) Chlorobenzene-d5(sim)	10.624	82	316749	10.000	ng	# 0.00

System Monitoring Compounds

62) % Bromofluorobenzene	11.458	95	367633	8.902	ppbv	0.00
Spiked Amount	10.000	Range 70 - 130	Recovery	=	89.00%	

Target Compounds

						Qvalue
2) Propylene	3.608	41	518417	42.087	ppbv	93
3) Dichlorodifluoromethane	3.673	85	1522877	40.674	ppbv	99
4) Chloromethane	3.811	50	510033	41.012	ppbv	93
5) 1,2-Dichlorotetrafluor...	3.900	85	1408110	40.204	ppbv#	80
6) Vinyl Chloride	4.006	62	510002	40.782	ppbv	93
7) 1,3-Butadiene	4.119	54	401730	42.218	ppbv	95
8) Bromomethane	4.338	94	523974	40.858	ppbv#	89
9) Chloroethane	4.476	64	222765	40.695	ppbv	92
11) Ethanol	4.565	45	161914	38.447	ppbv#	43
12) Acetone	4.914	43	968807	38.590	ppbv#	81
13) Trichlorofluoromethane	5.044	101	1499812	39.448	ppbv	94
14) Isopropylalcohol	5.093	45	988116	38.956	ppbv#	95
15) Acrylonitrile	5.247	53	314755	39.167	ppbv#	1
16) 1,1-Dichloroethene	5.485	61	876065	39.273	ppbv	90
17) Methylene Chloride	5.563	49	663018	36.960	ppbv	98
20) Carbon Disulfide	5.783	76	1286675	38.231	ppbv	96
21) Trichlorotrifluoroethane	5.735	101	1065393	38.530	ppbv#	89
22) Trans-1,2-Dichloroethene	6.181	61	786236	40.721	ppbv	92
23) 1,1-Dichloroethane	6.312	63	940540	39.227	ppbv	96
24) Methyl tert-butyl ethe...	6.343	73	1240709	41.490	ppbv#	88
25) Methyl Ethyl Ketone	6.557	43	1193643	41.281	ppbv#	92
26) Cis-1,2-Dichloroethene	6.840	61	772571	42.156	ppbv	91
27) Hexane	6.956	57	780406	43.287	ppbv#	99
28) Chloroform	7.026	83	1112067	39.363	ppbv	92
29) Ethyl acetate	6.956	61	179010	42.698	ppbv#	84
30) Tetrahydrofuran	7.282	42	636055	44.306	ppbv	91
31) 1,2-Dichloroethane	7.491	62	793294	40.606	ppbv#	90
32) 1,1,1-Trichloroethane	7.646	97	1239444	40.494	ppbv	96
33) Benzene	7.935	78	1571266	41.771	ppbv	98
34) Carbon Tetrachloride	8.030	117	1411887	40.985	ppbv	99
35) Cyclohexane	8.108	84	592321	39.072	ppbv	89
37) 1,2-dichloropropane	8.428	63	697738	41.159	ppbv#	84
38) Bromodichloromethane	8.541	83	1305009	40.528	ppbv	93
39) Trichloroethene	8.558	130	779929	37.709	ppbv#	85
40) 2,2,4-trimethylpentane	8.567	57	2536518	41.078	ppbv	99
41) 1,4-Dioxane	8.549	88	347657	41.853	ppbv	90
43) Heptane	8.705	43	1115820	42.286	ppbv	91
44) cis-1,3-Dichloropropene	9.053	75	1031279	42.795	ppbv	96
45) 4-Methyl-2-pentanone(M...	9.061	43	1554726	42.024	ppbv#	93
46) trans-1,3-Dichloropropene	9.349	75	863755	44.960	ppbv	97
47) 1,1,2-Trichloroethane	9.462	97	741955	40.001	ppbv	97
48) Toluene	9.624	91	2097721	41.715	ppbv	99

Quantitation Report (RF) (QT Reviewed)

Data Path : H:\AIR2025\CHEM20\09SEP\09\
 Data File : 0909_15.D
 Acq On : 9 Sep 2025 6:51 pm
 Operator :
 Client ID : ICAL 40
 Lab ID : 40ppb; T01514Y
 ALS Vial : 10 Sample Multiplier: 1

Quant Time: Sep 10 11:25:15 2025
 Quant Method : H:\AIR2025\CHEM20\Methods\20_AIR_0909.M
 Quant Title : VOA Standards for 5 point calibration
 QLast Update : Wed Sep 10 11:24:27 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
49) Dibromochloromethane	9.877	129	1605248	40.994	ppbv	98
50) 2-Hexanone(MBK)	9.743	43	1481487	43.081	ppbv#	42
51) 1,2-Dibromoethane(EDB)	10.018	107	1271211	40.988	ppbv	98
52) Tetrachloroethene	10.264	166	1359094	39.258	ppbv#	88
54) 1,1,1,2-Tetrachloroethane	10.632	131	1056549	32.796	ppbv#	92
55) Chlorobenzene	10.647	112	1697618	31.456	ppbv#	83
56) Ethylbenzene	10.837	91	2712151	34.591	ppbv	83
57) m, p-Xylene	10.935	91	4122633	68.624	ppbv	100
58) Bromoform	11.011	173	1961404	33.107	ppbv	96
59) Styrene	11.140	104	1683280	36.630	ppbv#	69
60) 1,1,2,2-Tetrachloroethane	11.201	83	1565487	31.712	ppbv	98
61) o-Xylene	11.201	91	2142745	34.028	ppbv#	90
64) Isopropylbenzene	11.527	105	3187812	33.333	ppbv#	94
65) 4-Ethyltoluene	11.898	105	3227280	35.056	ppbv	91
66) 1,3,5-Trimethylbenzene	11.936	105	2557115	33.670	ppbv#	91
67) 1,2,4-Trimethylbenzene	12.195	105	2719871	35.474	ppbv	94
68) Benzyl chloride	12.286	91	2220724	37.998	ppbv#	92
69) 1,3-Dichlorobenzene	12.309	146	2029633	31.473	ppbv#	89
70) 1,4-Dichlorobenzene	12.346	146	1951333	33.259	ppbv	100
71) sec-Butylbenzene	12.354	105	3860252	33.721	ppbv#	91
72) 4-Isopropyltoluene	12.445	119	3709807	34.594	ppbv	100
73) 1,2-Dichlorobenzene	12.559	146	1988325	33.660	ppbv#	92
74) n-Butylbenzene	12.711	91	3338688	36.068	ppbv	98
75) 1,2,4-Trichlorobenzene	13.706	180	1782244	40.327	ppbv	95
76) Naphthalene	13.797	128	2897923	41.402	ppbv#	95
77) Hexachlorobutadiene	14.040	225	1820137	31.540	ppbv	99
79] 1,2-Dichlorotetrafluor...	3.900	85	1406987	37.599	ppbv#	80
80] Vinyl Chloride(sim)	4.000	62	557290	34.451	ppbv	100
81] Bromomethane(sim)	4.338	94	523974	33.210	ppbv#	90
82] Trichlorofluoromethane...	5.047	101	1621116	32.947	ppbv#	96
83] 1,2-Dichloroethane(sim)	7.491	62	793294	33.839	ppbv#	14
84] 1,1,1-Trichloroethane(...	7.649	97	1374278	35.119	ppbv#	93
85] Benzene(sim)	7.935	78	1571494	39.002	ppbv	98
86] Carbon Tetrachloride(sim)	8.025	117	1522707	35.401	ppbv	99
87] 1,1-Dichloroethene(sim)	5.485	61	876065	32.731	ppbv	90
88] Trichlorotrifluoroetha...	5.738	101	1134671	29.943	ppbv#	92
89] Trans-1,2-Dichloroethe...	6.181	61	786236	38.138	ppbv	92
90] 1,1-Dichloroethane(sim)	6.315	63	1029110	33.295	ppbv	99
91] Cis-1,2-Dichloroethene...	6.840	61	772312	35.385	ppbv	90
92] Chloroform(sim)	7.029	83	1203705	34.543	ppbv	96
94] 1,2-dichloropropane(sim)	8.423	63	767291	36.996	ppbv#	84
95] Bromodichloromethane(sim)	8.541	83	1305009	36.458	ppbv	94
96] Trichloroethene(sim)	8.561	130	866901	32.706	ppbv	92
97] 1,4-Dioxane(sim)	8.549	88	347657	43.319	ppbv	90
98] cis-1,3-Dichloropropen...	9.056	75	1150106	39.820	ppbv	97
99] 1,1,2-Trichloroethane(...	9.462	97	741955	33.625	ppbv	97
100] Dibromochloromethane(sim)	9.880	129	1747144	35.554	ppbv	100
101] 1,2-Dibromoethane(EDB)...	10.018	107	1271211	35.731	ppbv	97
102] Tetrachloroethene(sim)	10.267	166	1516917	34.440	ppbv	94
104] Bromoform(sim)	11.014	173	2156343	28.086	ppbv	97
105] m, p-Xylene(sim)	10.935	91	4126212	63.831	ppbv#	92
106] 1,1,2,2-Tetrachloroeth...	11.196	83	1637823	24.255	ppbv	96
107] Benzyl chloride(sim)	12.286	91	2220724	40.581	ppbv	93
108] 1,3-Dichlorobenzene(sim)	12.304	146	2352815	29.611	ppbv#	92
109] 1,4-Dichlorobenzene(sim)	12.346	146	1951796	31.230	ppbv	88

Quantitation Report (RF) (QT Reviewed)

Data Path : H:\AIR2025\CHEM20\09SEP\09\
Data File : 0909_15.D
Acq On : 9 Sep 2025 6:51 pm
Operator :
Client ID : ICAL 40
Lab ID : 40ppb; T01514Y
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Sep 10 11:25:15 2025
Quant Method : H:\AIR2025\CHEM20\Methods\20_AIR_0909.M
Quant Title : VOA Standards for 5 point calibration
QLast Update : Wed Sep 10 11:24:27 2025
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
110]	sec-Butylbenzene(sim)	12.349	105	4036476	31.315	ppbv	95
111]	4-Isopropyltoluene(sim)	12.445	119	3710474	34.482	ppbv#	84
112]	1,2-Dichlorobenzene(sim)	12.562	146	2234913	30.790	ppbv	92
113]	n-Butylbenzene(sim)	12.711	91	3339009	36.903	ppbv	98
114]	1,2,4-Trichlorobenzene...	13.701	180	2005522	42.277	ppbv	95
116]	Hexachlorobutadiene(sim)	14.035	225	2030328	23.844	ppbv	98

(#)out of range (m>manual integration reviewed by analyst (+)signals summed

Quantitation Report (RF) (QT Reviewed)

Data Path : H:\AIR2025\CHEM20\09SEP\09\
 Data File : 0909_16.D
 Acq On : 9 Sep 2025 7:24 pm
 Operator :
 Client ID : ICAL 1
 Lab ID : 1ppb tune/cc; T01514Z
 ALS Vial : 11 Sample Multiplier: 1

Quant Time: Sep 10 12:53:08 2025
 Quant Method : H:\AIR2025\CHEM20\Methods\20_AIR_0909.M
 Quant Title : VOA Standards for 5 point calibration
 QLast Update : Wed Sep 10 12:52:46 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	6.948	130	158804	10.000	ng	0.00
36) 1,4-Difluorobenzene	8.126	114	558040	10.000	ng	0.00
53) Chlorobenzene-d5	10.617	82	265879	10.000	ng	0.00
78) Bromochloromethane(sim)	6.951	130	175848	10.000	ng	# 0.00
93) 1,4-Difluorobenzene(sim)	8.126	114	558040	10.000	ng	0.00
103) Chlorobenzene-d5(sim)	10.617	82	265879	10.000	ng	0.00

System Monitoring Compounds						
62) % Bromofluorobenzene	11.458	95	366409	10.446	ppbv	0.00
Spiked Amount	10.000	Range 70 - 130	Recovery	= 104.50%		

Target Compounds					Qvalue	
2) Propylene	3.616	41	15488	1.076	ppbv	89
3) Dichlorodifluoromethane	3.673	85	45042	1.030	ppbv	99
4) Chloromethane	3.811	50	15568	1.072	ppbv	93
5) 1,2-Dichlorotetrafluor...	3.900	85	43452	1.062	ppbv#	79
6) Vinyl Chloride	4.006	62	15643	1.071	ppbv	95
7) 1,3-Butadiene	4.119	54	11858	1.067	ppbv	96
8) Bromomethane	4.338	94	15441	1.031	ppbv#	92
9) Chloroethane	4.476	64	7158	1.120	ppbv	92
11) Ethanol	4.573	45	5378	1.093	ppbv#	48
12) Acetone	4.930	43	30068	1.025	ppbv#	81
13) Trichlorofluoromethane	5.044	101	45370	1.022	ppbv#	97
14) Isopropylalcohol	5.109	45	31147	1.051	ppbv#	95
15) Acrylonitrile	5.247	53	9887	1.053	ppbv#	1
16) 1,1-Dichloroethene	5.485	61	26641	1.022	ppbv	92
17) Methylene Chloride	5.563	49	21795	1.040	ppbv	96
20) Carbon Disulfide	5.783	76	40944	1.042	ppbv	96
21) Trichlorotrifluoroethane	5.735	101	32750	1.014	ppbv#	87
22) Trans-1,2-Dichloroethene	6.181	61	22412	0.994	ppbv	90
23) 1,1-Dichloroethane	6.312	63	28529	1.019	ppbv	97
24) Methyl tert-butyl ethe...	6.359	73	34755	0.995	ppbv#	85
25) Methyl Ethyl Ketone	6.567	43	34084	1.009	ppbv#	93
26) Cis-1,2-Dichloroethene	6.840	61	20662	0.965	ppbv	92
27) Hexane	6.964	57	20479	0.972	ppbv#	89
28) Chloroform	7.026	83	33200	1.006	ppbv	93
29) Ethyl acetate	6.964	61	4880	0.997	ppbv	87
30) Tetrahydrofuran	7.297	42	16386	0.977	ppbv#	88
31) 1,2-Dichloroethane	7.483	62	22578	0.989	ppbv#	89
32) 1,1,1-Trichloroethane	7.646	97	34752	0.972	ppbv	97
33) Benzene	7.935	78	43144	0.982	ppbv	97
34) Carbon Tetrachloride	8.022	117	40456	1.005	ppbv	98
35) Cyclohexane	8.108	84	16931	0.956	ppbv	97
37) 1,2-dichloropropane	8.428	63	18834	0.986	ppbv#	86
38) Bromodichloromethane	8.541	83	36289	1.000	ppbv	95
39) Trichloroethene	8.558	130	24709	1.060	ppbv#	84
40) 2,2,4-trimethylpentane	8.567	57	69510	0.999	ppbv	97
41) 1,4-Dioxane	8.567	88	9736	1.040	ppbv	87
43) Heptane	8.705	43	30091	1.012	ppbv#	89
44) cis-1,3-Dichloropropene	9.053	75	26509	0.976	ppbv	97
45) 4-Methyl-2-pentanone(M...	9.068	43	42286	1.014	ppbv#	91
46) trans-1,3-Dichloropropene	9.349	75	20773	0.960	ppbv	96
47) 1,1,2-Trichloroethane	9.462	97	20933	1.002	ppbv	95
48) Toluene	9.624	91	55738	0.984	ppbv	97

Quantitation Report (RF) (QT Reviewed)

Data Path : H:\AIR2025\CHEM20\09SEP\09\
 Data File : 0909_16.D
 Acq On : 9 Sep 2025 7:24 pm
 Operator :
 Client ID : ICAL 1
 Lab ID : 1ppb tune/cc; T01514Z
 ALS Vial : 11 Sample Multiplier: 1

Quant Time: Sep 10 12:53:08 2025
 Quant Method : H:\AIR2025\CHEM20\Methods\20_AIR_0909.M
 Quant Title : VOA Standards for 5 point calibration
 QLast Update : Wed Sep 10 12:52:46 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
49) Dibromochloromethane	9.877	129	44667	1.012	ppbv	99
50) 2-Hexanone(MBK)	9.743	43	37360	0.964	ppbv#	45
51) 1,2-Dibromoethane(EDB)	10.018	107	34222	0.979	ppbv	98
52) Tetrachloroethene	10.264	166	39729	1.019	ppbv#	86
54) 1,1,1,2-Tetrachloroethane	10.632	131	28676	1.060	ppbv#	91
55) Chlorobenzene	10.647	112	49032	1.082	ppbv	89
56) Ethylbenzene	10.837	91	67771	1.029	ppbv	84
57) m, p-Xylene	10.935	91	109247	2.165	ppbv	100
58) Bromoform	11.011	173	54585	1.097	ppbv	97
59) Styrene	11.140	104	38572	0.999	ppbv#	68
60) 1,1,2,2-Tetrachloroethane	11.201	83	45040	1.086	ppbv	97
61) o-Xylene	11.201	91	55295	1.045	ppbv#	89
64) Isopropylbenzene	11.527	105	85688	1.067	ppbv#	94
65) 4-Ethyltoluene	11.898	105	83030	1.074	ppbv#	87
66) 1,3,5-Trimethylbenzene	11.936	105	65464	1.026	ppbv#	90
67) 1,2,4-Trimethylbenzene	12.187	105	66534	1.033	ppbv	93
68) Benzyl chloride	12.286	91	48061	0.979	ppbv#	94
69) 1,3-Dichlorobenzene	12.301	146	60672	1.120	ppbv#	88
70) 1,4-Dichlorobenzene	12.339	146	54516	1.106	ppbv	100
71) sec-Butylbenzene	12.354	105	104245	1.084	ppbv#	90
72) 4-Isopropyltoluene	12.445	119	96933	1.076	ppbv	100
73) 1,2-Dichlorobenzene	12.559	146	54087	1.090	ppbv#	92
74) n-Butylbenzene	12.703	91	79711	1.025	ppbv	96
75) 1,2,4-Trichlorobenzene	13.706	180	39798	1.072	ppbv	94
76) Naphthalene	13.797	128	67717	1.152	ppbv#	96
77) Hexachlorobutadiene	14.040	225	51618	1.065	ppbv	98
79] 1,2-Dichlorotetrafluor...	3.900	85	43450	1.004	ppbv#	79
80] Vinyl Chloride(sim)	4.000	62	17209	0.920	ppbv	100
81] Bromomethane(sim)	4.338	94	15441	0.846	ppbv#	92
82] Trichlorofluoromethane...	5.039	101	49391	0.868	ppbv#	97
83] 1,2-Dichloroethane(sim)	7.483	62	22578	0.833	ppbv#	14
84] 1,1,1-Trichloroethane(...	7.649	97	39348	0.869	ppbv#	95
85] Benzene(sim)	7.935	78	43144	0.926	ppbv	97
86] Carbon Tetrachloride(sim)	8.025	117	43552	0.875	ppbv	100
87] 1,1-Dichloroethene(sim)	5.485	61	26641	0.860	ppbv	92
88] Trichlorotrifluoroetha...	5.738	101	36149	0.825	ppbv#	93
89] Trans-1,2-Dichloroethe...	6.181	61	22412	0.940	ppbv	90
90] 1,1-Dichloroethane(sim)	6.315	63	31314	0.876	ppbv	99
91] Cis-1,2-Dichloroethene...	6.840	61	20661	0.818	ppbv	92
92] Chloroform(sim)	7.029	83	36285	0.900	ppbv	96
94] 1,2-dichloropropane(sim)	8.423	63	21193	0.907	ppbv#	86
95] Bromodichloromethane(sim)	8.541	83	36289	0.900	ppbv	96
96] Trichloroethene(sim)	8.561	130	28035	0.939	ppbv	91
97] 1,4-Dioxane(sim)	8.567	88	9736	1.077	ppbv	87
98] cis-1,3-Dichloropropen...	9.056	75	29635	0.911	ppbv	97
99] 1,1,2-Trichloroethane(...	9.462	97	20983	0.844	ppbv	95
100] Dibromochloromethane(sim)	9.873	129	49076	0.886	ppbv	99
101] 1,2-Dibromoethane(EDB)...	10.018	107	34222	0.854	ppbv	98
102] Tetrachloroethene(sim)	10.267	166	44973	0.906	ppbv	95
104] Bromoform(sim)	11.006	173	62435	0.969	ppbv	98
105] m, p-Xylene(sim)	10.935	91	109247	2.013	ppbv#	90
106] 1,1,2,2-Tetrachloroeth...	11.196	83	49643	0.876	ppbv	97
107] Benzyl chloride(sim)	12.286	91	48061	1.046	ppbv	94
108] 1,3-Dichlorobenzene(sim)	12.304	146	66687	1.000	ppbv#	92
109] 1,4-Dichlorobenzene(sim)	12.339	146	54516	1.039	ppbv	87

Quantitation Report (RF) (QT Reviewed)

Data Path : H:\AIR2025\CHEM20\09SEP\09\
Data File : 0909_16.D
Acq On : 9 Sep 2025 7:24 pm
Operator :
Client ID : ICAL 1
Lab ID : 1ppb tune/cc; T01514Z
ALS Vial : 11 Sample Multiplier: 1

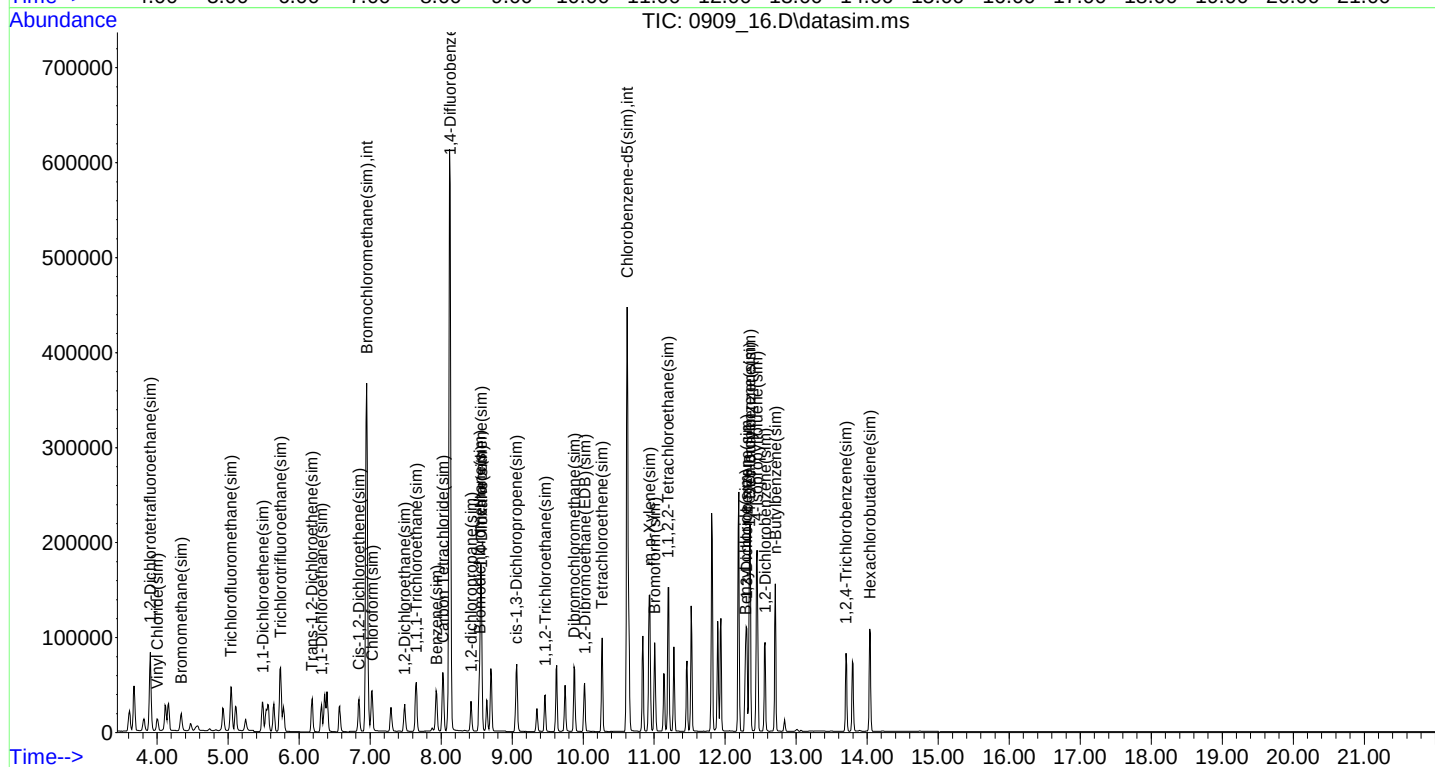
Quant Time: Sep 10 12:53:08 2025
Quant Method : H:\AIR2025\CHEM20\Methods\20_AIR_0909.M
Quant Title : VOA Standards for 5 point calibration
QLast Update : Wed Sep 10 12:52:46 2025
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
110]	sec-Butylbenzene(sim)	12.349	105	114797	1.061	ppbv	95
111]	4-Isopropyltoluene(sim)	12.445	119	96933	1.073	ppbv#	85
112]	1,2-Dichlorobenzene(sim)	12.562	146	63305	1.039	ppbv	92
113]	n-Butylbenzene(sim)	12.703	91	79711	1.050	ppbv	96
114]	1,2,4-Trichlorobenzene...	13.701	180	47037	1.181	ppbv	97
116]	Hexachlorobutadiene(sim)	14.035	225	61515	0.861	ppbv	98

(#)out of range (m>manual integration reviewed by analyst (+)signals summed

Data Path : H:\AIR2025\CHEM20\09SEP\09\
Data File : 0909_16.D
Acq On : 9 Sep 2025 7:24 pm
Operator :
Client ID : ICAL 1
Lab ID : 1ppb tune/cc; T01514Z
ALS Vial : 11 Sample Multiplier: 1

Chromatogram showing Abundance vs Time (min) for TIC: 0909_16.D\data.ms. The y-axis represents Abundance from 0 to 1,800,000. The x-axis represents Time from 4.00 to 21.00 minutes. Numerous peaks are labeled with chemical names, including Perfluoromethane, Chlorobenzene, 1,4-Dichlorobenzene, and many others.



Quantitation Report (RF) (QT Reviewed)

Data Path : H:\AIR2025\CHEM20\09SEP\09\
 Data File : 0909_17.D
 Acq On : 9 Sep 2025 7:56 pm
 Operator :
 Client ID : ICAL 10
 Lab ID : 10ppb; T01514Y
 ALS Vial : 12 Sample Multiplier: 1

Quant Time: Sep 10 12:53:29 2025
 Quant Method : H:\AIR2025\CHEM20\Methods\20_AIR_0909.M
 Quant Title : VOA Standards for 5 point calibration
 QLast Update : Wed Sep 10 12:52:46 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	6.949	130	146253	10.000	ng	0.00
36) 1,4-Difluorobenzene	8.126	114	533141	10.000	ng	0.00
53) Chlorobenzene-d5	10.617	82	273677	10.000	ng	0.00
78) Bromochloromethane(sim)	6.952	130	163438	10.000	ng	# 0.00
93) 1,4-Difluorobenzene(sim)	8.126	114	533141	10.000	ng	0.00
103) Chlorobenzene-d5(sim)	10.617	82	273677	10.000	ng	0.00
System Monitoring Compounds						
62) % Bromofluorobenzene	11.459	95	356800	9.882	ppbv	0.00
Spiked Amount	10.000	Range 70 - 130	Recovery	=	98.80%	
Target Compounds						
					Qvalue	
2) Propylene	3.600	41	128496	9.698	ppbv	93
3) Dichlorodifluoromethane	3.673	85	407054	10.107	ppbv	99
4) Chloromethane	3.811	50	131846	9.856	ppbv	95
5) 1,2-Dichlorotetrafluor...	3.900	85	373792	9.921	ppbv#	80
6) Vinyl Chloride	3.998	62	134266	9.981	ppbv	93
7) 1,3-Butadiene	4.119	54	102651	10.028	ppbv	96
8) Bromomethane	4.338	94	136225	9.875	ppbv#	90
9) Chloroethane	4.476	64	57102	9.697	ppbv	92
11) Ethanol	4.565	45	44293	9.777	ppbv#	45
12) Acetone	4.914	43	257867	9.549	ppbv#	81
13) Trichlorofluoromethane	5.044	101	406713	9.944	ppbv#	94
14) Isopropylalcohol	5.093	45	269615	9.881	ppbv#	95
15) Acrylonitrile	5.239	53	84766	9.806	ppbv#	1
16) 1,1-Dichloroethene	5.485	61	238746	9.949	ppbv#	90
17) Methylene Chloride	5.563	49	184838	9.579	ppbv	98
20) Carbon Disulfide	5.777	76	355123	9.809	ppbv	95
21) Trichlorotrifluoroethane	5.736	101	290996	9.783	ppbv#	88
22) Trans-1,2-Dichloroethene	6.182	61	213398	10.274	ppbv	93
23) 1,1-Dichloroethane	6.312	63	259652	10.067	ppbv	96
24) Methyl tert-butyl ethe...	6.348	73	335425	10.427	ppbv#	86
25) Methyl Ethyl Ketone	6.557	43	316225	10.167	ppbv#	92
26) Cis-1,2-Dichloroethene	6.840	61	202056	10.249	ppbv	91
27) Hexane	6.956	57	208850	10.769	ppbv#	99
28) Chloroform	7.026	83	302580	9.956	ppbv	93
29) Ethyl acetate	6.956	61	49317	10.935	ppbv#	83
30) Tetrahydrofuran	7.282	42	166751	10.798	ppbv	91
31) 1,2-Dichloroethane	7.483	62	212556	10.114	ppbv	90
32) 1,1,1-Trichloroethane	7.646	97	333263	10.122	ppbv	98
33) Benzene	7.935	78	416797	10.300	ppbv	98
34) Carbon Tetrachloride	8.022	117	374722	10.112	ppbv	98
35) Cyclohexane	8.108	84	157605	9.664	ppbv	89
37) 1,2-dichloropropane	8.420	63	184759	10.125	ppbv#	85
38) Bromodichloromethane	8.541	83	343693	9.915	ppbv	92
39) Trichloroethene	8.558	130	220448	9.901	ppbv#	85
40) 2,2,4-trimethylpentane	8.567	57	694373	10.446	ppbv	99
41) 1,4-Dioxane	8.550	88	93152	10.418	ppbv	91
43) Heptane	8.705	43	299611	10.548	ppbv	91
44) cis-1,3-Dichloropropene	9.054	75	266795	10.285	ppbv	96
45) 4-Methyl-2-pentanone(M...	9.061	43	413569	10.385	ppbv#	93
46) trans-1,3-Dichloropropene	9.349	75	213970	10.346	ppbv	96
47) 1,1,2-Trichloroethane	9.462	97	198078	9.920	ppbv	97
48) Toluene	9.624	91	563832	10.416	ppbv	97

Quantitation Report (RF) (QT Reviewed)

Data Path : H:\AIR2025\CHEM20\09SEP\09\
 Data File : 0909_17.D
 Acq On : 9 Sep 2025 7:56 pm
 Operator :
 Client ID : ICAL 10
 Lab ID : 10ppb; T01514Y
 ALS Vial : 12 Sample Multiplier: 1

Quant Time: Sep 10 12:53:29 2025
 Quant Method : H:\AIR2025\CHEM20\Methods\20_AIR_0909.M
 Quant Title : VOA Standards for 5 point calibration
 QLast Update : Wed Sep 10 12:52:46 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
49) Dibromochloromethane	9.877	129	421967	10.010	ppbv	98
50) 2-Hexanone(MBK)	9.743	43	392611	10.606	ppbv#	43
51) 1,2-Dibromoethane(EDB)	10.018	107	335147	10.038	ppbv	98
52) Tetrachloroethene	10.264	166	364508	9.781	ppbv#	88
54) 1,1,1,2-Tetrachloroethane	10.632	131	278411	9.996	ppbv#	93
55) Chlorobenzene	10.647	112	456294	9.779	ppbv#	83
56) Ethylbenzene	10.837	91	709281	10.463	ppbv	84
57) m, p-Xylene	10.935	91	1111007	21.390	ppbv	100
58) Bromoform	11.011	173	505736	9.873	ppbv	97
59) Styrene	11.140	104	430246	10.829	ppbv#	70
60) 1,1,2,2-Tetrachloroethane	11.201	83	420334	9.848	ppbv	97
61) o-Xylene	11.201	91	569934	10.469	ppbv#	90
64) Isopropylbenzene	11.527	105	834082	10.087	ppbv#	94
65) 4-Ethyltoluene	11.899	105	871902	10.954	ppbv#	87
66) 1,3,5-Trimethylbenzene	11.937	105	661850	10.079	ppbv#	90
67) 1,2,4-Trimethylbenzene	12.187	105	721172	10.879	ppbv#	92
68) Benzyl chloride	12.286	91	563161	11.145	ppbv#	92
69) 1,3-Dichlorobenzene	12.301	146	561457	10.070	ppbv#	88
70) 1,4-Dichlorobenzene	12.339	146	505160	9.959	ppbv	100
71) sec-Butylbenzene	12.354	105	1037169	10.479	ppbv#	90
72) 4-Isopropyltoluene	12.438	119	990594	10.684	ppbv	100
73) 1,2-Dichlorobenzene	12.559	146	513245	10.049	ppbv#	91
74) n-Butylbenzene	12.704	91	873592	10.916	ppbv	97
75) 1,2,4-Trichlorobenzene	13.698	180	415055	10.862	ppbv	94
76) Naphthalene	13.797	128	691322	11.424	ppbv#	95
77) Hexachlorobutadiene	14.040	225	472247	9.465	ppbv	98
79] 1,2-Dichlorotetrafluor...	3.900	85	373562	9.286	ppbv#	80
80] Vinyl Chloride(sim)	4.001	62	145540	8.369	ppbv	100
81] Bromomethane(sim)	4.338	94	136225	8.031	ppbv#	91
82] Trichlorofluoromethane...	5.039	101	445848	8.428	ppbv#	96
83] 1,2-Dichloroethane(sim)	7.483	62	212556	8.434	ppbv#	15
84] 1,1,1-Trichloroethane(...	7.649	97	374261	8.896	ppbv#	93
85] Benzene(sim)	7.935	78	416852	9.623	ppbv	98
86] Carbon Tetrachloride(sim)	8.025	117	415372	8.982	ppbv	100
87] 1,1-Dichloroethene(sim)	5.485	61	238746	8.297	ppbv#	89
88] Trichlorotrifluoroetha...	5.732	101	318463	7.817	ppbv#	93
89] Trans-1,2-Dichloroethe...	6.182	61	213398	9.628	ppbv	93
90] 1,1-Dichloroethane(sim)	6.315	63	285173	8.582	ppbv	99
91] Cis-1,2-Dichloroethene...	6.840	61	201970	8.607	ppbv	91
92] Chloroform(sim)	7.029	83	331342	8.845	ppbv	96
94] 1,2-dichloropropane(sim)	8.423	63	203067	9.096	ppbv#	85
95] Bromodichloromethane(sim)	8.541	83	343693	8.920	ppbv	92
96] Trichloroethene(sim)	8.561	130	248467	8.708	ppbv	91
97] 1,4-Dioxane(sim)	8.550	88	93152	10.782	ppbv	91
98] cis-1,3-Dichloropropen...	9.057	75	298429	9.598	ppbv	97
99] 1,1,2-Trichloroethane(...	9.462	97	198078	8.339	ppbv	97
100] Dibromochloromethane(sim)	9.873	129	465811	8.806	ppbv	100
101] 1,2-Dibromoethane(EDB)...	10.018	107	335147	8.751	ppbv	97
102] Tetrachloroethene(sim)	10.267	166	415510	8.764	ppbv	94
104] Bromoform(sim)	11.006	173	572697	8.633	ppbv	98
105] m, p-Xylene(sim)	10.935	91	1113180	19.931	ppbv#	92
106] 1,1,2,2-Tetrachloroeth...	11.196	83	450022	7.713	ppbv	96
107] Benzyl chloride(sim)	12.286	91	563161	11.911	ppbv	92
108] 1,3-Dichlorobenzene(sim)	12.304	146	620100	9.032	ppbv#	92
109] 1,4-Dichlorobenzene(sim)	12.339	146	505160	9.355	ppbv	87

Quantitation Report (RF) (QT Reviewed)

Data Path : H:\AIR2025\CHEM20\09SEP\09\
Data File : 0909_17.D
Acq On : 9 Sep 2025 7:56 pm
Operator :
Client ID : ICAL 10
Lab ID : 10ppb; T01514Y
ALS Vial : 12 Sample Multiplier: 1

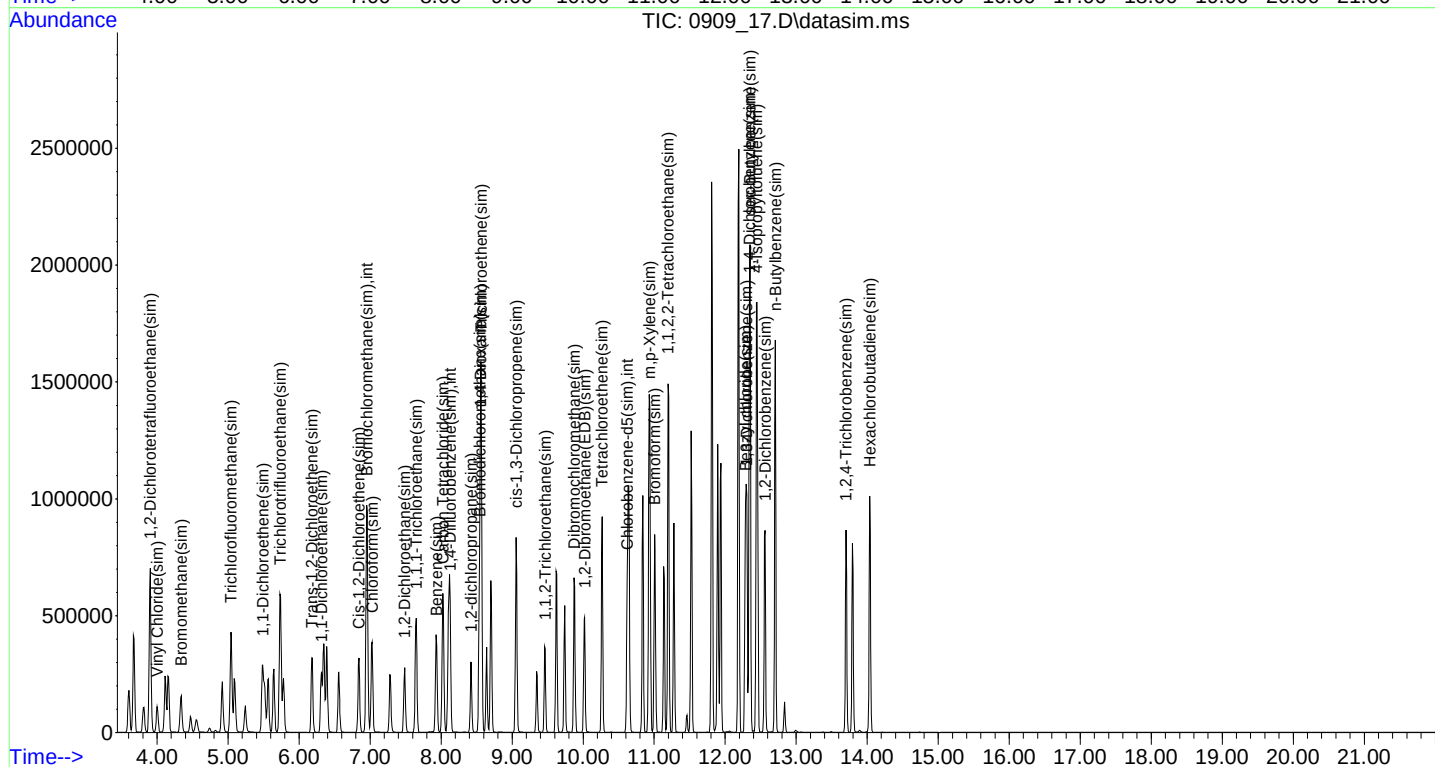
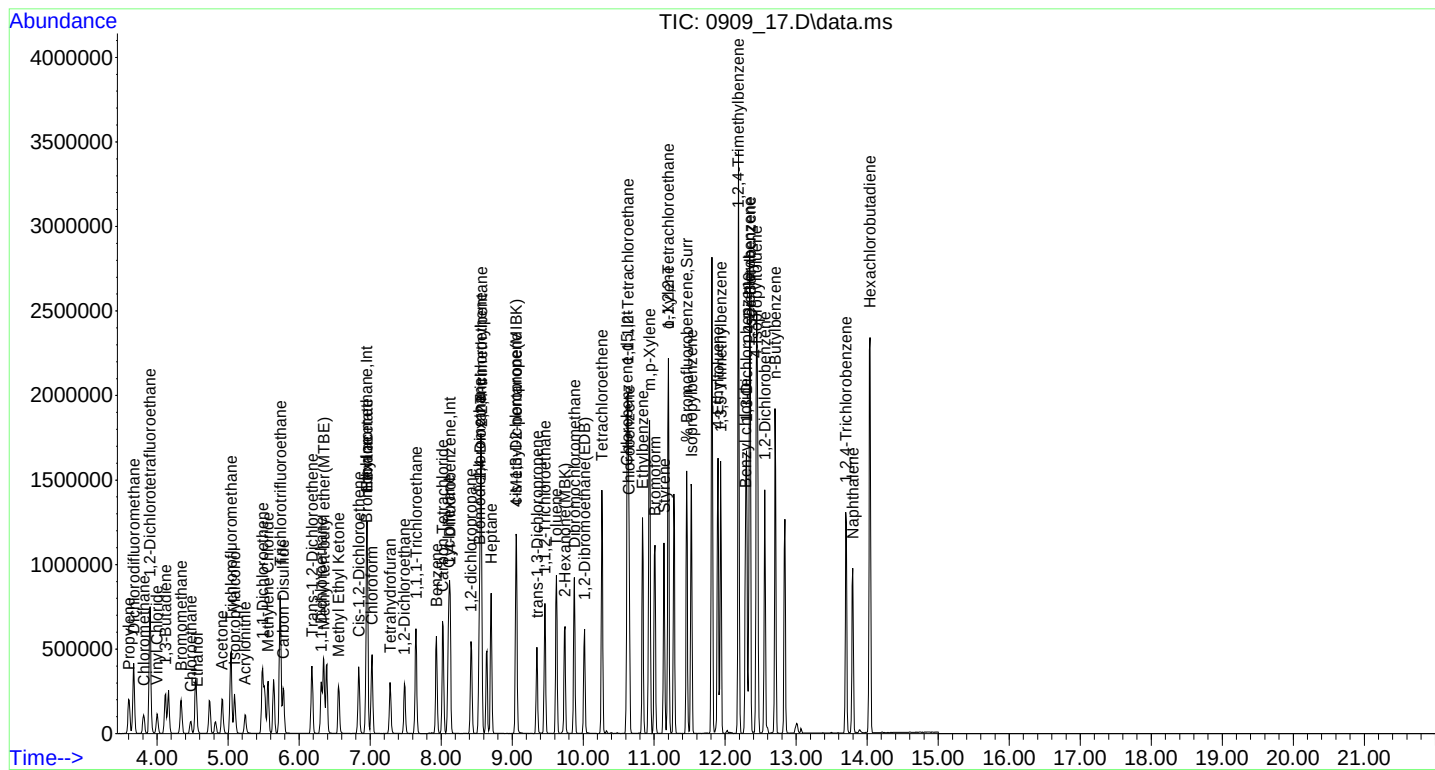
Quant Time: Sep 10 12:53:29 2025
Quant Method : H:\AIR2025\CHEM20\Methods\20_AIR_0909.M
Quant Title : VOA Standards for 5 point calibration
QLast Update : Wed Sep 10 12:52:46 2025
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
110]	sec-Butylbenzene(sim)	12.350	105	1133082	10.174	ppbv	95
111]	4-Isopropyltoluene(sim)	12.438	119	990594	10.654	ppbv#	83
112]	1,2-Dichlorobenzene(sim)	12.562	146	590845	9.421	ppbv	92
113]	n-Butylbenzene(sim)	12.704	91	873749	11.177	ppbv	97
114]	1,2,4-Trichlorobenzene...	13.701	180	481490	11.747	ppbv	96
116]	Hexachlorobutadiene(sim)	14.036	225	549118	7.464	ppbv	98

(#)out of range (m>manual integration reviewed by analyst (+)signals summed

Data Path : H:\AIR2025\CHEM20\09SEP\09\
Data File : 0909_17.D
Acq On : 9 Sep 2025 7:56 pm
Operator :
Client ID : ICAL 10
Lab ID : 10ppb; T01514Y
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Sep 10 12:53:29 2025
Quant Method : H:\AIR2025\CHEM20\Methods\20_AIR_0909.M
Quant Title : VOA Standards for 5 point calibration
QLast Update : Wed Sep 10 12:52:46 2025
Response via : Initial Calibration



6
AIR ICV RECOVERY

Lab Name: Phoenix Environmental Labs Client: FPMGROUP
 Lab Code: Phoenix Case No: _____ SAS No: _____ SDG No GCU37304
 ICV - Client Id: ICV_CHEM20_0909

COMPOUND	SPIKE ADDED (ppbv)		ICV CONCENTRATION (ppbv)	ICV % REC #	QC. LIMITS REC.	
Propylene	10		10.17	102	70	130
Dichlorodifluoromethane	10		10.40	104	70	130
Chloromethane	10		10.23	102	70	130
1,2-Dichlorotetrafluoroethane	10		10.25	103	70	130
Vinyl Chloride	10		10.08	101	70	130
1,3-Butadiene	10		10.25	103	70	130
Bromomethane	10		9.998	100	70	130
Chloroethane	10		10.16	102	70	130
Ethanol	10		11.21	112	70	130
Acetone	10		9.561	96	70	130
Trichlorofluoromethane	10		9.973	100	70	130
Isopropylalcohol	10		10.48	105	70	130
Acrylonitrile	10		12.80	128	70	130
1,1-Dichloroethene	10		9.741	97	70	130
Methylene Chloride	10		9.457	95	70	130
Carbon Disulfide	10		9.755	98	70	130
Trichlorotrifluoroethane	10		9.776	98	70	130
Trans-1,2-Dichloroethene	10		10.47	105	70	130
1,1-Dichloroethane	10		10.04	100	70	130
Methyl tert-butyl ether(MTBE)	10		10.47	105	70	130
Methyl Ethyl Ketone	10		10.21	102	70	130
Cis-1,2-Dichloroethene	10		10.13	101	70	130
Hexane	10		10.81	108	70	130
Chloroform	10		9.882	99	70	130
Ethyl acetate	10		11.63	116	70	130
Tetrahydrofuran	10		10.22	102	70	130
1,2-Dichloroethane	10		10.21	102	70	130
1,1,1-Trichloroethane	10		10.06	101	70	130
Benzene	10		10.37	104	70	130
Carbon Tetrachloride	10		10.25	103	70	130
Cyclohexane	10		9.637	96	70	130
1,2-dichloropropane	10		10.27	103	70	130
Bromodichloromethane	10		10.16	102	70	130
Trichloroethene	10		9.996	100	70	130
2,2,4-trimethylpentane	10		10.25	103	70	130
1,4-Dioxane	10		10.72	107	70	130
Heptane	10		10.66	107	70	130
cis-1,3-Dichloropropene	10		10.54	105	70	130
4-Methyl-2-pentanone(MIBK)	10		10.42	104	70	130
trans-1,3-Dichloropropene	10		10.63	106	70	130
1,1,2-Trichloroethane	10		10.02	100	70	130
Toluene	10		10.49	105	70	130
Dibromochloromethane	10		10.13	101	70	130
2-Hexanone(MBK)	10		10.63	106	70	130

FORM VI AIR

ICV - Client Id: ICV_CHEM20_0909[illegible]

Data Path : H:\AIR2025\CHEM20\09SEP\09\
 Data File : 0909_18.D
 Acq On : 9 Sep 2025 8:31 pm
 Operator :
 Client ID : IGV_CHEM20_0909
 Lab ID : 10ppb lcs; T01514X
 ALS Vial : 13 Sample Multiplier: 1

Quant Time: Sep 10 12:53:49 2025
 Quant Method : H:\AIR2025\CHEM20\Methods\20_AIR_0909.M
 Quant Title : VOA Standards for 5 point calibration
 QLast Update : Wed Sep 10 12:52:46 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	6.949	130	146803	10.000	ng	0.00
36) 1,4-Difluorobenzene	8.126	114	530616	10.000	ng	0.00
53) Chlorobenzene-d5	10.617	82	270636	10.000	ng	0.00
78) Bromochloromethane(sim)	6.951	130	164309	10.000	ng	# 0.00
93) 1,4-Difluorobenzene(sim)	8.126	114	530616	10.000	ng	0.00
103) Chlorobenzene-d5(sim)	10.617	82	270636	10.000	ng	0.00

System Monitoring Compounds						
62) % Bromofluorobenzene	11.458	95	366026	10.251	ppbv	0.00
Spiked Amount	10.000	Range 70 - 130	Recovery	= 102.50%		

Target Compounds					Qvalue	
2) Propylene	3.608	41	135226	10.167	ppbv	92
3) Dichlorodifluoromethane	3.673	85	420280	10.396	ppbv	99
4) Chloromethane	3.811	50	137328	10.227	ppbv	93
5) 1,2-Dichlorotetrafluor...	3.900	85	387460	10.246	ppbv#	80
6) Vinyl Chloride	4.006	62	136049	10.075	ppbv	94
7) 1,3-Butadiene	4.119	54	105266	10.245	ppbv	95
8) Bromomethane	4.338	94	138449	9.998	ppbv#	90
9) Chloroethane	4.476	64	60074	10.164	ppbv	92
11) Ethanol	4.565	45	50978	11.211	ppbv#	42
12) Acetone	4.922	43	259175	9.561	ppbv#	81
13) Trichlorofluoromethane	5.044	101	409421	9.973	ppbv#	95
14) Isopropylalcohol	5.093	45	287132	10.484	ppbv#	95
15) Acrylonitrile	5.239	53	111027	12.795	ppbv#	1
16) 1,1-Dichloroethene	5.485	61	234632	9.741	ppbv#	89
17) Methylene Chloride	5.563	49	183174	9.457	ppbv	98
20) Carbon Disulfide	5.783	76	354505	9.755	ppbv	96
21) Trichlorotrifluoroethane	5.735	101	291876	9.776	ppbv#	89
22) Trans-1,2-Dichloroethene	6.181	61	218247	10.468	ppbv	94
23) 1,1-Dichloroethane	6.312	63	259925	10.040	ppbv	96
24) Methyl tert-butyl ethe...	6.348	73	338187	10.474	ppbv#	86
25) Methyl Ethyl Ketone	6.557	43	318785	10.210	ppbv#	92
26) Cis-1,2-Dichloroethene	6.840	61	200528	10.134	ppbv	91
27) Hexane	6.956	57	210444	10.810	ppbv#	99
28) Chloroform	7.026	83	301462	9.882	ppbv	92
29) Ethyl acetate	6.956	61	52630	11.626	ppbv#	83
30) Tetrahydrofuran	7.282	42	158414	10.220	ppbv	90
31) 1,2-Dichloroethane	7.483	62	215360	10.209	ppbv	90
32) 1,1,1-Trichloroethane	7.646	97	332425	10.058	ppbv	96
33) Benzene	7.935	78	420991	10.365	ppbv	98
34) Carbon Tetrachloride	8.022	117	381098	10.245	ppbv	99
35) Cyclohexane	8.108	84	157745	9.637	ppbv	90
37) 1,2-dichloropropane	8.420	63	186613	10.275	ppbv#	84
38) Bromodichloromethane	8.541	83	350475	10.159	ppbv	94
39) Trichloroethene	8.558	130	221494	9.996	ppbv#	84
40) 2,2,4-trimethylpentane	8.567	57	677961	10.248	ppbv	99
41) 1,4-Dioxane	8.549	88	95416	10.722	ppbv	90
43) Heptane	8.705	43	301292	10.657	ppbv	91
44) cis-1,3-Dichloropropene	9.054	75	272062	10.538	ppbv	96
45) 4-Methyl-2-pentanone(M...	9.061	43	413189	10.424	ppbv#	93
46) trans-1,3-Dichloropropene	9.349	75	218815	10.631	ppbv	97
47) 1,1,2-Trichloroethane	9.462	97	199078	10.018	ppbv	97
48) Toluene	9.624	91	565298	10.493	ppbv	98

Data Path : H:\AIR2025\CHEM20\09SEP\09\
 Data File : 0909_18.D
 Acq On : 9 Sep 2025 8:31 pm
 Operator :
 Client ID : IGV_CHEM20_0909
 Lab ID : 10ppb lcs; T01514X
 ALS Vial : 13 Sample Multiplier: 1

Quant Time: Sep 10 12:53:49 2025
 Quant Method : H:\AIR2025\CHEM20\Methods\20_AIR_0909.M
 Quant Title : VOA Standards for 5 point calibration
 QLast Update : Wed Sep 10 12:52:46 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
49) Dibromochloromethane	9.877	129	424881	10.128	ppbv	98
50) 2-Hexanone(MBK)	9.743	43	391734	10.632	ppbv#	43
51) 1,2-Dibromoethane(EDB)	10.018	107	338840	10.197	ppbv	98
52) Tetrachloroethene	10.264	166	370295	9.984	ppbv#	87
54) 1,1,1,2-Tetrachloroethane	10.632	131	267801	9.723	ppbv#	90
55) Chlorobenzene	10.647	112	456797	9.900	ppbv	84
56) Ethylbenzene	10.837	91	722815	10.782	ppbv	84
57) m,p-Xylene	10.935	91	1122932	21.862	ppbv	100
58) Bromoform	11.011	173	524644	10.358	ppbv	98
59) Styrene	11.140	104	438330	11.156	ppbv#	70
60) 1,1,2,2-Tetrachloroethane	11.201	83	434434	10.293	ppbv	98
61) o-Xylene	11.201	91	569071	10.570	ppbv#	89
64) Isopropylbenzene	11.527	105	821563	10.048	ppbv#	94
65) 4-Ethyltoluene	11.898	105	875442	11.122	ppbv#	88
66) 1,3,5-Trimethylbenzene	11.936	105	669500	10.311	ppbv#	90
67) 1,2,4-Trimethylbenzene	12.187	105	722102	11.015	ppbv#	92
68) Benzyl chloride	12.286	91	597239	11.952	ppbv#	93
69) 1,3-Dichlorobenzene	12.301	146	579193	10.505	ppbv#	88
70) 1,4-Dichlorobenzene	12.339	146	536455	10.694	ppbv	100
71) sec-Butylbenzene	12.354	105	1005040	10.269	ppbv#	90
72) 4-Isopropyltoluene	12.445	119	941079	10.264	ppbv	100
73) 1,2-Dichlorobenzene	12.559	146	545884	10.809	ppbv#	91
74) n-Butylbenzene	12.704	91	836225	10.566	ppbv	97
75) 1,2,4-Trichlorobenzene	13.706	180	444644	11.768	ppbv	94
76) Naphthalene	13.797	128	743848	12.430	ppbv#	95
77) Hexachlorobutadiene	14.040	225	517274	10.484	ppbv	98
79] 1,2-Dichlorotetrafluor...	3.900	85	387247	9.575	ppbv#	80
80] Vinyl Chloride(sim)	4.000	62	149205	8.534	ppbv	100
81] Bromomethane(sim)	4.338	94	138449	8.119	ppbv#	90
82] Trichlorofluoromethane...	5.047	101	446578	8.397	ppbv#	96
83] 1,2-Dichloroethane(sim)	7.483	62	215360	8.500	ppbv#	15
84] 1,1,1-Trichloroethane(...	7.649	97	379770	8.979	ppbv#	93
85] Benzene(sim)	7.935	78	420989	9.667	ppbv	98
86] Carbon Tetrachloride(sim)	8.025	117	416197	8.952	ppbv	100
87] 1,1-Dichloroethene(sim)	5.485	61	234632	8.111	ppbv#	88
88] Trichlorotrifluoroetha...	5.732	101	316750	7.734	ppbv#	92
89] Trans-1,2-Dichloroethe...	6.181	61	218247	9.795	ppbv	94
90] 1,1-Dichloroethane(sim)	6.315	63	285100	8.534	ppbv	99
91] Cis-1,2-Dichloroethene...	6.840	61	200418	8.496	ppbv	91
92] Chloroform(sim)	7.029	83	331906	8.043	ppbv	96
94] 1,2-dichloropropane(sim)	8.423	63	204374	9.198	ppbv#	85
95] Bromodichloromethane(sim)	8.541	83	350475	9.139	ppbv	95
96] Trichloroethene(sim)	8.561	130	249498	8.786	ppbv	91
97] 1,4-Dioxane(sim)	8.549	88	95416	11.097	ppbv	90
98] cis-1,3-Dichloropropen...	9.056	75	301850	9.755	ppbv	97
99] 1,1,2-Trichloroethane(...	9.462	97	198864	8.412	ppbv	97
100] Dibromochloromethane(sim)	9.873	129	471440	8.955	ppbv	100
101] 1,2-Dibromoethane(EDB)...	10.018	107	338840	8.889	ppbv	98
102] Tetrachloroethene(sim)	10.267	166	420172	8.904	ppbv	94
104] Bromoform(sim)	11.006	173	583966	8.902	ppbv	98
105] m,p-Xylene(sim)	10.935	91	1124734	20.364	ppbv#	92
106] 1,1,2,2-Tetrachloroeth...	11.196	83	466432	8.085	ppbv	96
107] Benzyl chloride(sim)	12.286	91	597239	12.773	ppbv	93
108] 1,3-Dichlorobenzene(sim)	12.304	146	643769	9.482	ppbv#	91
109] 1,4-Dichlorobenzene(sim)	12.339	146	536455	10.046	ppbv	88

Data Path : H:\AIR2025\CHEM20\09SEP\09\
Data File : 0909_18.D
Acq On : 9 Sep 2025 8:31 pm
Operator :
Client ID : ICV_CHEM20_0909
Lab ID : 10ppb lcs; T01514X
ALS Vial : 13 Sample Multiplier: 1

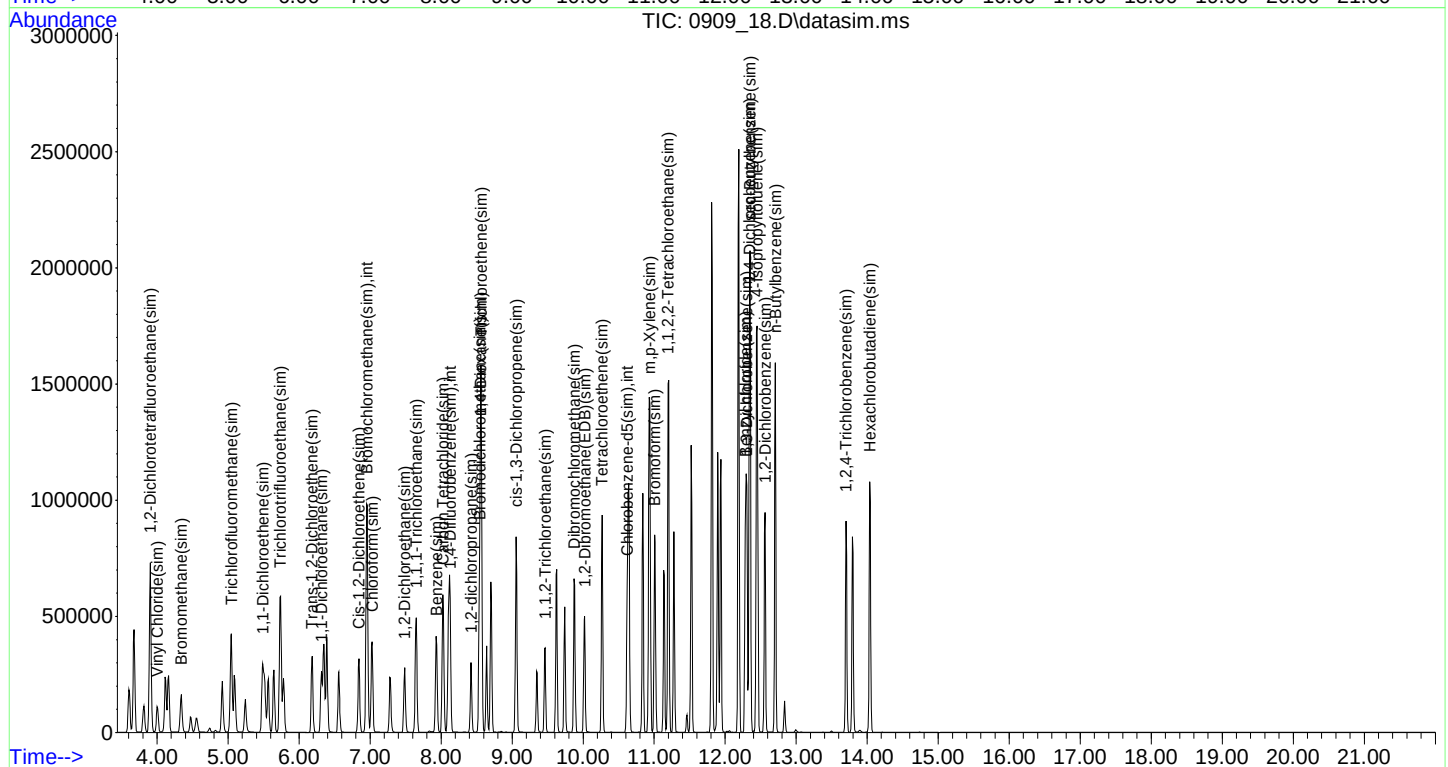
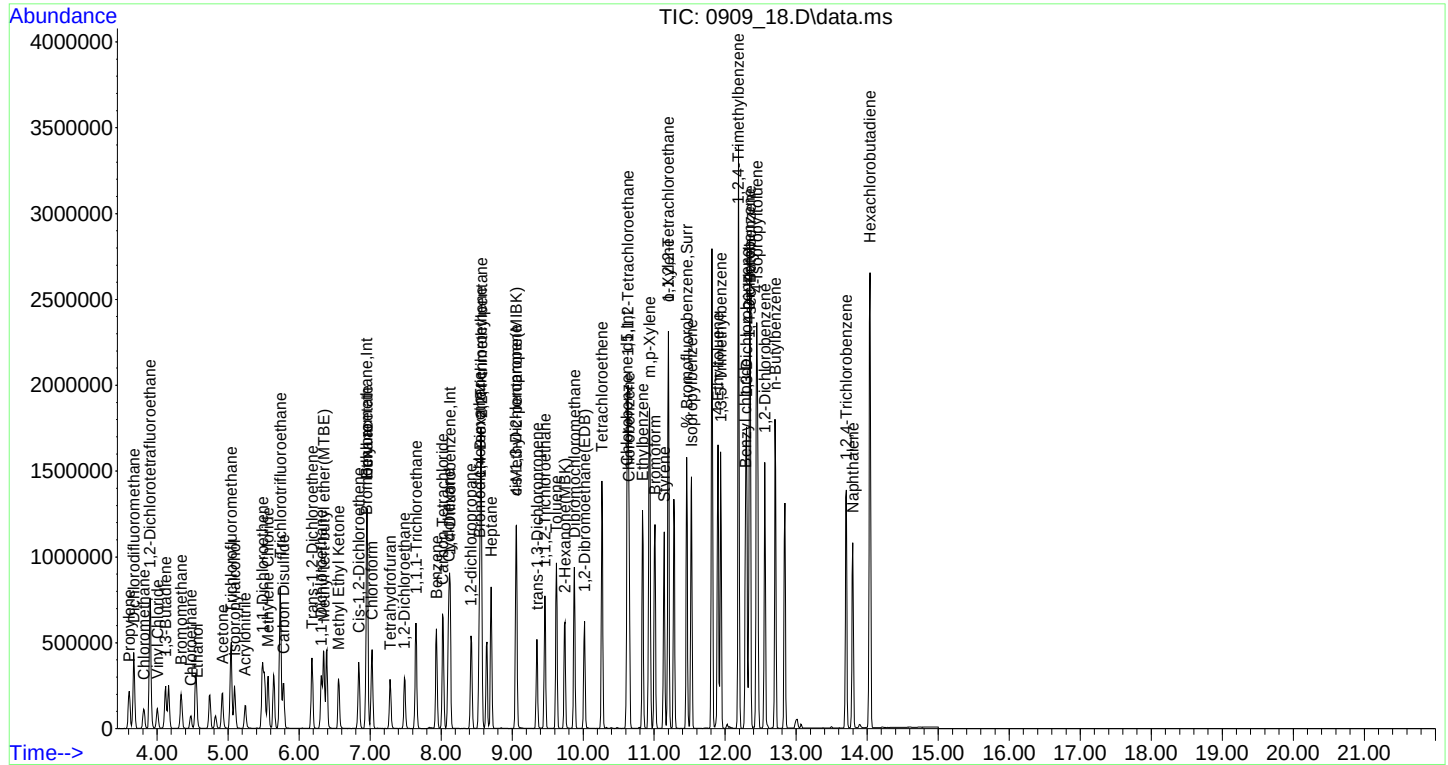
Quant Time: Sep 10 12:53:49 2025
Quant Method : H:\AIR2025\CHEM20\Methods\20_AIR_0909.M
Quant Title : VOA Standards for 5 point calibration
QLast Update : Wed Sep 10 12:52:46 2025
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
110]	sec-Butylbenzene(sim)	12.349	105	1093484	9.929	ppbv	95
111]	4-Isopropyltoluene(sim)	12.445	119	941079	10.236	ppbv#	83
112]	1,2-Dichlorobenzene(sim)	12.562	146	625832	10.091	ppbv	92
113]	n-Butylbenzene(sim)	12.704	91	835680	10.810	ppbv	97
114]	1,2,4-Trichlorobenzene...	13.701	180	513916	12.679	ppbv	96
116]	Hexachlorobutadiene(sim)	14.035	225	606926	8.342	ppbv	98

(#)out of range (m>manual integration reviewed by analyst (+)signals summed

Data Path : H:\AIR2025\CHEM20\09SEP\09\
Data File : 0909_18.D
Acq On : 9 Sep 2025 8:31 pm
Operator :
Client ID : ICV_CHEM20_0909
Lab ID : 10ppb lcs; T01514X
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Sep 10 12:53:49 2025
Quant Method : H:\AIR2025\CHEM20\Methods\20_AIR_0909.M
Quant Title : VOA Standards for 5 point calibration
QLast Update : Wed Sep 10 12:52:46 2025
Response via : Initial Calibration



6B
AIR INITIAL CALIBRATION DATA

Lab Name: Phoenix Environmental Labs
Lab Code: Phoenix
Instrument ID: CHEM24
Heated Purge (Y/N): Y
GC Column: _____

Client: FPMGROUP
SDG No.: GCU37304
Calibration Date From: 09/23/25 15:59
Calibration Date Thru: 09/23/25 20:22
Method File: 24_AIR_0923.M

Laboratory File Ids

RRF1	<u>0923_04.D</u>	RRF2	<u>0923_05.D</u>	RRF3	<u>0923_06.D</u>	RRF4	<u>0923_07.D</u>	RRF5	<u>0923_08.D</u>	RRF6	<u>0923_09.D</u>				
RRF7	<u>0923_10.D</u>	RRF8	<u>0923_15.D</u>	RRF9	<u>0923_11.D</u>	RRF10	<u>0923_12.D</u>	RRF11	<u>0923_16.D</u>	RRF12	<u>0923_13.D</u>				
RRF13	<u>0923_14.D</u>														
COMPOUND	RRF1 0.01	RRF2 0.02	RRF3 0.035	RRF4 0.05	RRF5 0.1	RRF6 0.2	RRF7 0.5	RRF8 1	RRF9 2.5	RRF10 5	RRF11 10	RRF12 25	RRF13 40	— RRF	% RSD
Propylene						2.146	1.633	1.476	1.514	1.529	1.444	1.516	1.446	1.588	14.69
Dichlorodifluoromethane						3.790	3.634	3.532	3.761	3.823	3.883	4.066	3.798	3.786	4.21
Chloromethane							1.734	1.629	1.715	1.724	1.702	1.771	1.717	1.713	2.52
1,2-Dichlorotetrafluoroethane						3.941	3.750	3.683	3.917	4.020	4.061	4.272	4.101	3.968	4.79
Vinyl Chloride						1.820	1.654	1.614	1.749	1.793	1.803	1.847	1.825	1.763	4.84
1,3-Butadiene						1.423	1.362	1.318	1.334	1.399	1.374	1.433	1.377	1.378	2.92
Bromomethane						1.482	1.445	1.384	1.418	1.455	1.466	1.473	1.468	1.449	2.25
Chloroethane						0.880	0.848	0.802	0.820	0.817	0.841	0.853	0.821	0.835	2.98
Ethanol								0.698	0.608	0.613	0.585	0.572	0.547	0.604	8.59
Acetone						3.480	2.925	2.638	2.785	2.763	2.703	2.805	2.731	2.854	9.33
Trichlorofluoromethane						3.507	3.322	3.253	3.446	3.500	3.612	3.718	3.659	3.502	4.59
Isopropylalcohol						3.221	3.024	3.156	3.251	3.399	3.622	3.725	3.374	3.346	7.04
Acrylonitrile						1.212	1.096	1.046	1.090	1.084	1.074	1.087	1.072	1.095	4.53
1,1-Dichloroethene						2.783	2.636	2.587	2.711	2.736	2.772	2.898	2.856	2.747	3.78
Methylene Chloride						2.504	2.269	2.038	2.244	2.221	2.187	2.268	2.208	2.243	5.75
Carbon Disulfide						4.761	4.458	4.390	4.587	4.753	4.772	4.994	4.739	4.682	4.15
Trichlorotrifluoroethane						2.823	2.830	2.779	2.895	2.944	3.047	3.172	3.159	2.956	5.19
Trans-1,2-Dichloroethene						2.434	2.375	2.330	2.462	2.527	2.568	2.658	2.640	2.499	4.78
1,1-Dichloroethane						3.032	3.003	2.950	3.171	3.206	3.284	3.403	3.344	3.174	5.24
Methyl tert-butyl ether(MTBE)						4.696	4.207	4.241	4.283	4.410	4.560	4.715	4.546	4.457	4.52
Methyl Ethyl Ketone						4.034	3.723	3.759	4.014	4.110	4.113	4.355	4.119	4.028	5.09
Cis-1,2-Dichloroethene						2.434	2.318	2.308	2.427	2.470	2.506	2.611	2.555	2.454	4.32
Hexane						2.672	2.605	2.543	2.688	2.761	2.755	2.889	2.824	2.717	4.17
Chloroform						3.400	3.238	3.178	3.350	3.360	3.464	3.567	3.464	3.378	3.74

(#) The maximum %RSD was not met for this compound

Note: m,p-xylene TV is 2 times the TV Listed

(l) linear (q) quadratic (i) inverse conc weight (i2) inverse conc weight squared (f) force through zero

Compounds not using average response (l, li, lfi, li2, lfi2, q, qi, qfi, qi2, qfi2) display concentrations and not response factors

6B
AIR INITIAL CALIBRATION DATA

Lab Name: Phoenix Environmental Labs
Lab Code: Phoenix
Instrument ID: CHEM24
Heated Purge (Y/N): Y
GC Column: _____

Client: FPMGROUP
SDG No.: GCU37304
Calibration Date From: 09/23/25 15:59
Calibration Date Thru: 09/23/25 20:22
Method File: 24_AIR_0923.M

Laboratory File Ids

RRF1	<u>0923_04.D</u>	RRF2	<u>0923_05.D</u>	RRF3	<u>0923_06.D</u>	RRF4	<u>0923_07.D</u>	RRF5	<u>0923_08.D</u>	RRF6	<u>0923_09.D</u>				
RRF7	<u>0923_10.D</u>	RRF8	<u>0923_15.D</u>	RRF9	<u>0923_11.D</u>	RRF10	<u>0923_12.D</u>	RRF11	<u>0923_16.D</u>	RRF12	<u>0923_13.D</u>				
RRF13	<u>0923_14.D</u>														
COMPOUND	RRF1 0.01	RRF2 0.02	RRF3 0.035	RRF4 0.05	RRF5 0.1	RRF6 0.2	RRF7 0.5	RRF8 1	RRF9 2.5	RRF10 5	RRF11 10	RRF12 25	RRF13 40	— RRF	% RSD
Ethyl acetate						0.498	0.538	0.574	0.617	0.627	0.625	0.625	0.624	0.591	8.36
Tetrahydrofuran						1.930	1.924	1.977	2.117	2.138	2.114	2.204	2.095	2.062	5.08
1,2-Dichloroethane						2.216	2.235	2.118	2.261	2.326	2.308	2.369	2.317	2.269	3.49
1,1,1-Trichloroethane						2.984	2.935	2.923	3.021	3.120	3.209	3.265	3.232	3.086	4.48
Benzene					5.958	5.662	5.417	5.358	5.378	5.507	5.587	5.614	5.233	5.524	3.86
Carbon Tetrachloride						2.620	2.538	2.709	2.875	2.948	3.105	3.231	3.207	2.904	9.15
Cyclohexane						2.088	1.915	1.910	1.889	1.963	1.987	2.004	1.987	1.968	3.27
1,2-dichloropropane						0.523	0.504	0.481	0.515	0.530	0.536	0.559	0.554	0.525	4.87
Bromodichloromethane						0.909	0.858	0.853	0.917	0.938	0.985	1.046	1.012	0.940	7.44
Trichloroethene						0.445	0.421	0.435	0.449	0.454	0.476	0.504	0.510	0.462	6.98
2,2,4-trimethylpentane						2.220	2.112	2.155	2.306	2.354	2.418	2.313	1.832	2.214	8.36
1,4-Dioxane						0.194	0.183	0.266	0.246	0.252	0.262	0.272	0.260	0.242	14.09
Heptane						0.939	0.895	0.881	0.935	0.945	0.966	1.009	0.944	0.939	4.22
cis-1,3-Dichloropropene						0.777	0.739	0.760	0.781	0.824	0.860	0.904	0.886	0.817	7.51
4-Methyl-2-pentanone(MIBK)						1.153	1.104	1.155	1.209	1.253	1.277	1.338	1.189	1.210	6.30
trans-1,3-Dichloropropene						0.588	0.547	0.593	0.624	0.640	0.666	0.696	0.684	0.630	8.24
1,1,2-Trichloroethane						0.460	0.442	0.458	0.466	0.472	0.493	0.507	0.509	0.476	5.12
Toluene						1.302	1.262	1.290	1.356	1.390	1.460	1.473	1.293	1.353	5.97
Dibromochloromethane						0.713	0.688	0.749	0.767	0.797	0.857	0.908	0.893	0.796	10.32
2-Hexanone(MBK)						0.628	0.690	0.972	1.075	1.161	1.174	1.242	1.124	1.008	22.80
1,2-Dibromoethane(EDB)						0.718	0.679	0.718	0.738	0.764	0.806	0.838	0.820	0.760	7.44
Tetrachloroethene						0.519	0.506	0.497	0.511	0.524	0.551	0.578	0.582	0.534	6.12
1,1,1,2-Tetrachloroethane						0.901	0.846	0.920	0.923	0.919	0.956	0.876	0.846	0.898	4.36
Chlorobenzene						1.706	1.627	1.738	1.684	1.720	1.791	1.643	1.485	1.674	5.52

(#) The maximum %RSD was not met for this compound

Note: m,p-xylene TV is 2 times the TV Listed

(l) linear (q) quadratic (i) inverse conc weight (i2) inverse conc weight squared (f) force through zero

Compounds not using average response (l, li, lfi, li2, lfi2, q, qi, qfi, qi2, qfi2) display concentrations and not response factors

6B
AIR INITIAL CALIBRATION DATA

Lab Name: Phoenix Environmental Labs
Lab Code: Phoenix
Instrument ID: CHEM24
Heated Purge (Y/N): Y
GC Column: _____

Client: FPMGROUP
SDG No.: GCU37304
Calibration Date From: 09/23/25 15:59
Calibration Date Thru: 09/23/25 20:22
Method File: 24_AIR_0923.M

Laboratory File Ids

RRF1	<u>0923_04.D</u>	RRF2	<u>0923_05.D</u>	RRF3	<u>0923_06.D</u>	RRF4	<u>0923_07.D</u>	RRF5	<u>0923_08.D</u>	RRF6	<u>0923_09.D</u>				
RRF7	<u>0923_10.D</u>	RRF8	<u>0923_15.D</u>	RRF9	<u>0923_11.D</u>	RRF10	<u>0923_12.D</u>	RRF11	<u>0923_16.D</u>	RRF12	<u>0923_13.D</u>				
RRF13	<u>0923_14.D</u>														
COMPOUND	RRF1 0.01	RRF2 0.02	RRF3 0.035	RRF4 0.05	RRF5 0.1	RRF6 0.2	RRF7 0.5	RRF8 1	RRF9 2.5	RRF10 5	RRF11 10	RRF12 25	RRF13 40	— RRF	% RSD
Ethylbenzene					2.870	2.929	2.790	3.002	3.058	3.092	3.279	2.675	2.064	2.862	12.15
m,p-Xylene					2.179	2.212	2.161	1.819	2.348	2.443	2.552	1.955	1.420	2.121	16.37
Bromoform						0.999	1.028	1.195	1.132	1.206	1.284	1.216	1.145	1.151	8.40
Styrene						1.471	1.416	1.625	1.624	1.686	1.752	1.610	1.418	1.575	7.99
1,1,2,2-Tetrachloroethane						1.889	1.923	1.985	2.024	2.090	2.162	1.956	1.627	1.957	8.20
o-Xylene					2.320	2.289	2.297	2.381	2.427	2.507	2.625	2.303	1.827	2.331	9.44
Isopropylbenzene						2.968	3.005	3.134	3.169	3.243	3.351	2.738	2.039	2.956	14.05
4-Ethyltoluene						2.836	2.853	3.286	3.168	3.219	3.536	2.917	2.140	2.994	14.06
1,3,5-Trimethylbenzene						2.362	2.236	2.412	2.647	2.671	2.600	2.216	1.757	2.363	12.79
1,2,4-Trimethylbenzene						2.321	2.388	2.629	2.662	2.765	2.888	2.481	1.910	2.506	12.22
Benzyl chloride						1.100	1.290	1.885	1.967	2.091	2.381	2.213	1.780	1.839	24.03
1,3-Dichlorobenzene						1.267	1.302	1.504	1.510	1.556	1.609	1.512	1.320	1.448	9.02
1,4-Dichlorobenzene						1.144	1.147	1.449	1.386	1.416	1.535	1.501	1.363	1.368	10.84
sec-Butylbenzene						3.652	3.595	3.998	4.139	4.258	4.344	3.209	2.289	3.686	18.49
4-Isopropyltoluene						2.970	3.008	3.363	3.456	3.524	3.686	2.988	2.219	3.152	14.74
1,2-Dichlorobenzene						1.236	1.228	1.467	1.393	1.394	1.471	1.391	1.236	1.352	7.65
n-Butylbenzene						2.298	2.581	3.144	3.242	3.394	3.555	2.861	2.092	2.896	18.31
1,2,4-Trichlorobenzene	q					0.071	0.244	1.219	1.937	4.152	10.590	25.040	39.970	Coef R2	1.00
Naphthalene							1.123	2.511	1.818	1.810	2.176	2.099	1.832	1.910	22.54
Hexachlorobutadiene						0.923	0.896	1.020	1.025	0.939	0.964	0.936	0.884	0.948	5.50
1,2-Dichlorotetrafluoroethane(sim)	4.155	4.210	3.971	3.750	3.485	3.600	3.425	3.349	3.549	3.661				3.716	8.12
Vinyl Chloride(sim)	2.059	1.777	1.760	1.762	1.703	1.716	1.657	1.610	1.704	1.759				1.751	6.86
Bromomethane(sim)	1.865	1.894	1.652	1.544	1.630	1.353	1.320	1.259	1.286	1.326				1.513	15.83
Trichlorofluoromethane(sim)	3.682	3.575	3.449	3.540	3.426	3.460	3.343	3.264	3.422	3.528				3.469	3.43

(#) The maximum %RSD was not met for this compound

Note: m,p-xylene TV is 2 times the TV Listed

(l) linear (q) quadratic (i) inverse conc weight (i2) inverse conc weight squared (f) force through zero

Compounds not using average response (l, li, lfi, li2, lfi2, q, qi, qfi, qi2, qfi2) display concentrations and not response factors

6B
AIR INITIAL CALIBRATION DATA

Lab Name: Phoenix Environmental Labs
Lab Code: Phoenix
Instrument ID: CHEM24
Heated Purge (Y/N): Y
GC Column: _____

Client: FPMGROUP
SDG No.: GCU37304
Calibration Date From: 09/23/25 15:59
Calibration Date Thru: 09/23/25 20:22
Method File: 24_AIR_0923.M

Laboratory File Ids

RRF1	<u>0923_04.D</u>	RRF2	<u>0923_05.D</u>	RRF3	<u>0923_06.D</u>	RRF4	<u>0923_07.D</u>	RRF5	<u>0923_08.D</u>	RRF6	<u>0923_09.D</u>				
RRF7	<u>0923_10.D</u>	RRF8	<u>0923_15.D</u>	RRF9	<u>0923_11.D</u>	RRF10	<u>0923_12.D</u>	RRF11	<u>0923_16.D</u>	RRF12	<u>0923_13.D</u>				
RRF13	<u>0923_14.D</u>														
COMPOUND	RRF1 0.01	RRF2 0.02	RRF3 0.035	RRF4 0.05	RRF5 0.1	RRF6 0.2	RRF7 0.5	RRF8 1	RRF9 2.5	RRF10 5	RRF11 10	RRF12 25	RRF13 40	— RRF	% RSD
1,2-Dichloroethane(sim)	2.447	2.307	2.267	2.236	2.062	2.024	2.041	1.926	2.050	2.121				2.148	7.44
1,1,1-Trichloroethane(sim)	3.426	3.195	3.062	3.136	3.011	3.049	2.969	2.913	3.021	3.132				3.091	4.67
Benzene(sim)			6.038	6.187	5.415	5.171	4.947	4.873	4.877					5.358	10.29
Carbon Tetrachloride(sim)	2.527	2.402	2.512	2.521	2.577	2.603	2.617	2.724	2.871					2.595	5.24
1,1-Dichloroethene(sim)	2.887	2.911	2.407	2.595	2.471	2.542	2.408	2.353	2.458	2.495				2.553	7.65
Trichlorotrifluoroethane(sim)	3.081	2.994	2.892	2.921	2.849	2.881	2.799	2.768	2.871	2.956				2.901	3.18
Trans-1,2-Dichloroethene(sim)	2.802	2.693	2.041	2.220	2.268	2.223	2.169	2.119	2.232	2.304				2.307	10.62
1,1-Dichloroethane(sim)	3.28	3.224	3.013	3.157	3.007	3.090	2.972	2.901	3.083	3.180				3.091	3.87
Cis-1,2-Dichloroethene(sim)	2.589	2.491	2.230	2.494	2.335	2.223	2.117	2.099	2.201	2.252				2.303	7.31
Chloroform(sim)	3.606	3.429	3.319	3.338	3.219	3.314	3.192	3.133	3.298	3.371				3.322	4.00
1,2-dichloropropane(sim)	0.652	0.599	0.574	0.584	0.552	0.570	0.543	0.518	0.559	0.571				0.572	6.27
Bromodichloromethane(sim)	1.031	1.011	0.735	0.890	0.847	0.909	0.858	0.853	0.917	0.938				0.899	9.48
Trichloroethene(sim)	0.568	0.531	0.495	0.524	0.489	0.495	0.474	0.486	0.497	0.505				0.506	5.45
1,4-Dioxane(sim)					0.152	0.194	0.183	0.266	0.246	0.252				0.215	21.08
cis-1,3-Dichloropropene(sim)	0.853	0.843	0.805	0.830	0.805	0.837	0.799	0.823	0.849					0.827	2.46
1,1,2-Trichloroethane(sim)	0.592	0.544	0.383	0.449	0.437	0.460	0.442	0.458	0.466	0.472				0.470	12.37
Dibromochloromethane(sim)	0.84	0.771	0.748	0.783	0.764	0.803	0.769	0.820	0.840					0.793	4.31
1,2-Dibromoethane(EDB)(sim)	0.845	0.778	0.615	0.682	0.700	0.718	0.679	0.718	0.738	0.764				0.724	8.71
Tetrachloroethene(sim)	0.694	0.610	0.582	0.597	0.573	0.593	0.564	0.562	0.572	0.592	0.627			0.597	6.33
Bromoform(sim)	1.234	1.152	1.091	1.114	1.107	1.120	1.109	1.306	1.255					1.165	6.74
m,p-Xylene(sim)	3.032	2.625	2.160	2.369	2.179	2.212	2.196	2.297	2.362	2.452				2.388	11.23
1,1,2,2-Tetrachloroethane(sim)	2.597	2.236	2.073	2.095	2.039	2.059	2.039	2.157	2.176	2.247				2.172	7.74
Benzyl chloride(sim)	qfi		0.023	0.036	0.077	0.162	0.449	1.155	2.464					Coef R2	0.99
1,3-Dichlorobenzene(sim)			1.352	1.438	1.315	1.411	1.503	1.795	1.662					1.497	11.62

(#) The maximum %RSD was not met for this compound

Note: m,p-xylene TV is 2 times the TV Listed

(l) linear (q) quadratic (i) inverse conc weight (i2) inverse conc weight squared (f) force through zero

Compounds not using average response (l, li, lfi, li2, lfi2, q, qi, qfi, qi2, qfi2) display concentrations and not response factors

6B
AIR INITIAL CALIBRATION DATA

Lab Name: Phoenix Environmental Labs
 Lab Code: Phoenix
 Instrument ID: CHEM24
 Heated Purge (Y/N): Y
 GC Column: _____

Client: FPMGROUP
 SDG No.: GCU37304
 Calibration Date From: 09/23/25 15:59
 Calibration Date Thru: 09/23/25 20:22
 Method File: 24_AIR_0923.M

Laboratory File Ids

RRF1	<u>0923_04.D</u>	RRF2	<u>0923_05.D</u>	RRF3	<u>0923_06.D</u>	RRF4	<u>0923_07.D</u>	RRF5	<u>0923_08.D</u>	RRF6	<u>0923_09.D</u>	RRF7	<u>0923_10.D</u>	RRF8	<u>0923_11.D</u>	RRF9	<u>0923_12.D</u>	RRF10	<u>0923_13.D</u>	RRF11	<u>0923_14.D</u>	RRF12	<u>0923_15.D</u>	RRF13	<u>0923_16.D</u>	RRF14	<u>0923_17.D</u>	RRF15	<u>0923_18.D</u>	RRF16	<u>0923_19.D</u>	RRF17	<u>0923_20.D</u>	RRF18	<u>0923_21.D</u>	RRF19	<u>0923_22.D</u>	RRF20	<u>0923_23.D</u>	RRF21	<u>0923_24.D</u>	RRF22	<u>0923_25.D</u>	RRF23	<u>0923_26.D</u>	RRF24	<u>0923_27.D</u>	RRF25	<u>0923_28.D</u>	RRF26	<u>0923_29.D</u>	RRF27	<u>0923_30.D</u>	RRF28	<u>0923_31.D</u>	RRF29	<u>0923_32.D</u>	RRF30	<u>0923_33.D</u>	RRF31	<u>0923_34.D</u>	RRF32	<u>0923_35.D</u>	RRF33	<u>0923_36.D</u>	RRF34	<u>0923_37.D</u>	RRF35	<u>0923_38.D</u>	RRF36	<u>0923_39.D</u>	RRF37	<u>0923_40.D</u>	RRF38	<u>0923_41.D</u>	RRF39	<u>0923_42.D</u>	RRF40	<u>0923_43.D</u>	RRF41	<u>0923_44.D</u>	RRF42	<u>0923_45.D</u>	RRF43	<u>0923_46.D</u>	RRF44	<u>0923_47.D</u>	RRF45	<u>0923_48.D</u>	RRF46	<u>0923_49.D</u>	RRF47	<u>0923_50.D</u>	RRF48	<u>0923_51.D</u>	RRF49	<u>0923_52.D</u>	RRF50	<u>0923_53.D</u>	RRF51	<u>0923_54.D</u>	RRF52	<u>0923_55.D</u>	RRF53	<u>0923_56.D</u>	RRF54	<u>0923_57.D</u>	RRF55	<u>0923_58.D</u>	RRF56	<u>0923_59.D</u>	RRF57	<u>0923_60.D</u>	RRF58	<u>0923_61.D</u>	RRF59	<u>0923_62.D</u>	RRF60	<u>0923_63.D</u>	RRF61	<u>0923_64.D</u>	RRF62	<u>0923_65.D</u>	RRF63	<u>0923_66.D</u>	RRF64	<u>0923_67.D</u>	RRF65	<u>0923_68.D</u>	RRF66	<u>0923_69.D</u>	RRF67	<u>0923_70.D</u>	RRF68	<u>0923_71.D</u>	RRF69	<u>0923_72.D</u>	RRF70	<u>0923_73.D</u>	RRF71	<u>0923_74.D</u>	RRF72	<u>0923_75.D</u>	RRF73	<u>0923_76.D</u>	RRF74	<u>0923_77.D</u>	RRF75	<u>0923_78.D</u>	RRF76	<u>0923_79.D</u>	RRF77	<u>0923_80.D</u>	RRF78	<u>0923_81.D</u>	RRF79	<u>0923_82.D</u>	RRF80	<u>0923_83.D</u>	RRF81	<u>0923_84.D</u>	RRF82	<u>0923_85.D</u>	RRF83	<u>0923_86.D</u>	RRF84	<u>0923_87.D</u>	RRF85	<u>0923_88.D</u>	RRF86	<u>0923_89.D</u>	RRF87	<u>0923_90.D</u>	RRF88	<u>0923_91.D</u>	RRF89	<u>0923_92.D</u>	RRF90	<u>0923_93.D</u>	RRF91	<u>0923_94.D</u>	RRF92	<u>0923_95.D</u>	RRF93	<u>0923_96.D</u>	RRF94	<u>0923_97.D</u>	RRF95	<u>0923_98.D</u>	RRF96	<u>0923_99.D</u>	RRF97	<u>0923_100.D</u>	RRF98	<u>0923_101.D</u>	RRF99	<u>0923_102.D</u>	RRF100	<u>0923_103.D</u>	RRF101	<u>0923_104.D</u>	RRF102	<u>0923_105.D</u>	RRF103	<u>0923_106.D</u>	RRF104	<u>0923_107.D</u>	RRF105	<u>0923_108.D</u>	RRF106	<u>0923_109.D</u>	RRF107	<u>0923_110.D</u>	RRF108	<u>0923_111.D</u>	RRF109	<u>0923_112.D</u>	RRF110	<u>0923_113.D</u>	RRF111	<u>0923_114.D</u>	RRF112	<u>0923_115.D</u>	RRF113	<u>0923_116.D</u>	RRF114	<u>0923_117.D</u>	RRF115	<u>0923_118.D</u>	RRF116	<u>0923_119.D</u>	RRF117	<u>0923_120.D</u>	RRF118	<u>0923_121.D</u>	RRF119	<u>0923_122.D</u>	RRF120	<u>0923_123.D</u>	RRF121	<u>0923_124.D</u>	RRF122	<u>0923_125.D</u>	RRF123	<u>0923_126.D</u>	RRF124	<u>0923_127.D</u>	RRF125	<u>0923_128.D</u>	RRF126	<u>0923_129.D</u>	RRF127	<u>0923_130.D</u>	RRF128	<u>0923_131.D</u>	RRF129	<u>0923_132.D</u>	RRF130	<u>0923_133.D</u>	RRF131	<u>0923_134.D</u>	RRF132	<u>0923_135.D</u>	RRF133	<u>0923_136.D</u>	RRF134	<u>0923_137.D</u>	RRF135	<u>0923_138.D</u>	RRF136	<u>0923_139.D</u>	RRF137	<u>0923_140.D</u>	RRF138	<u>0923_141.D</u>	RRF139	<u>0923_142.D</u>	RRF140	<u>0923_143.D</u>	RRF141	<u>0923_144.D</u>	RRF142	<u>0923_145.D</u>	RRF143	<u>0923_146.D</u>	RRF144	<u>0923_147.D</u>	RRF145	<u>0923_148.D</u>	RRF146	<u>0923_149.D</u>	RRF147	<u>0923_150.D</u>	RRF148	<u>0923_151.D</u>	RRF149	<u>0923_152.D</u>	RRF150	<u>0923_153.D</u>	RRF151	<u>0923_154.D</u>	RRF152	<u>0923_155.D</u>	RRF153	<u>0923_156.D</u>	RRF154	<u>0923_157.D</u>	RRF155	<u>0923_158.D</u>	RRF156	<u>0923_159.D</u>	RRF157	<u>0923_160.D</u>	RRF158	<u>0923_161.D</u>	RRF159	<u>0923_162.D</u>	RRF160	<u>0923_163.D</u>	RRF161	<u>0923_164.D</u>	RRF162	<u>0923_165.D</u>	RRF163	<u>0923_166.D</u>	RRF164	<u>0923_167.D</u>	RRF165	<u>0923_168.D</u>	RRF166	<u>0923_169.D</u>	RRF167	<u>0923_170.D</u>	RRF168	<u>0923_171.D</u>	RRF169	<u>0923_172.D</u>	RRF170	<u>0923_173.D</u>	RRF171	<u>0923_174.D</u>	RRF172	<u>0923_175.D</u>	RRF173	<u>0923_176.D</u>	RRF174	<u>0923_177.D</u>	RRF175	<u>0923_178.D</u>	RRF176	<u>0923_179.D</u>	RRF177	<u>0923_180.D</u>	RRF178	<u>0923_181.D</u>	RRF179	<u>0923_182.D</u>	RRF180	<u>0923_183.D</u>	RRF181	<u>0923_184.D</u>	RRF182	<u>0923_185.D</u>	RRF183	<u>0923_186.D</u>	RRF184	<u>0923_187.D</u>	RRF185	<u>0923_188.D</u>	RRF186	<u>0923_189.D</u>	RRF187	<u>0923_190.D</u>	RRF188	<u>0923_191.D</u>	RRF189	<u>0923_192.D</u>	RRF190	<u>0923_193.D</u>	RRF191	<u>0923_194.D</u>	RRF192	<u>0923_195.D</u>	RRF193	<u>0923_196.D</u>	RRF194	<u>0923_197.D</u>	RRF195	<u>0923_198.D</u>	RRF196	<u>0923_199.D</u>	RRF197	<u>0923_200.D</u>	RRF198	<u>0923_201.D</u>	RRF199	<u>0923_202.D</u>	RRF200	<u>0923_203.D</u>	RRF201	<u>0923_204.D</u>	RRF202	<u>0923_205.D</u>	RRF203	<u>0923_206.D</u>	RRF204	<u>0923_207.D</u>	RRF205	<u>0923_208.D</u>	RRF206	<u>0923_209.D</u>	RRF207	<u>0923_210.D</u>	RRF208	<u>0923_211.D</u>	RRF209	<u>0923_212.D</u>	RRF210	<u>0923_213.D</u>	RRF211	<u>0923_214.D</u>	RRF212	<u>0923_215.D</u>	RRF213	<u>0923_216.D</u>	RRF214	<u>0923_217.D</u>	RRF215	<u>0923_218.D</u>	RRF216	<u>0923_219.D</u>	RRF217	<u>0923_220.D</u>	RRF218	<u>0923_221.D</u>	RRF219	<u>0923_222.D</u>	RRF220	<u>0923_223.D</u>	RRF221	<u>0923_224.D</u>	RRF222	<u>0923_225.D</u>	RRF223	<u>0923_226.D</u>	RRF224	<u>0923_227.D</u>	RRF225	<u>0923_228.D</u>	RRF226	<u>0923_229.D</u>	RRF227	<u>0923_230.D</u>	RRF228	<u>0923_231.D</u>	RRF229	<u>0923_232.D</u>	RRF230	<u>0923_233.D</u>	RRF231	<u>0923_234.D</u>	RRF232	<u>0923_235.D</u>	RRF233	<u>0923_236.D</u>	RRF234	<u>0923_237.D</u>	RRF235	<u>0923_238.D</u>	RRF236	<u>0923_239.D</u>	RRF237	<u>0923_240.D</u>	RRF238	<u>0923_241.D</u>	RRF239	<u>0923_242.D</u>	RRF240	<u>0923_243.D</u>	RRF241	<u>0923_244.D</u>	RRF242	<u>0923_245.D</u>	RRF243	<u>0923_246.D</u>	RRF244	<u>0923_247.D</u>	RRF245	<u>0923_248.D</u>	RRF246	<u>0923_249.D</u>	RRF247	<u>0923_250.D</u>	RRF248	<u>0923_251.D</u>	RRF249	<u>0923_252.D</u>	RRF250	<u>0923_253.D</u>	RRF251	<u>0923_254.D</u>	RRF252	<u>0923_255.D</u>	RRF253	<u>0923_256.D</u>	RRF254	<u>0923_257.D</u>	RRF255	<u>0923_258.D</u>	RRF256	<u>0923_259.D</u>	RRF257	<u>0923_260.D</u>	RRF258	<u>0923_261.D</u>	RRF259	<u>0923_262.D</u>	RRF260	<u>0923_263.D</u>	RRF261	<u>0923_264.D</u>	RRF262	<u>0923_265.D</u>	RRF263	<u>0923_266.D</u>	RRF264	<u>0923_267.D</u>	RRF265	<u>0923_268.D</u>	RRF266	<u>0923_269.D</u>	RRF267	<u>0923_270.D</u>	RRF268	<u>0923_271.D</u>	RRF269	<u>0923_272.D</u>	RRF270	<u>0923_273.D</u>	RRF271	<u>0923_274.D</u>	RRF272	<u>0923_275.D</u>	RRF273	<u>0923_276.D</u>	RRF274	<u>0923_277.D</u>	RRF275	<u>0923_278.D</u>	RRF276	<u>0923_279.D</u>	RRF277	<u>0923_280.D</u>	RRF278	<u>0923_281.D</u>	RRF279	<u>0923_282.D</u>	RRF280	<u>0923_283.D</u>	RRF281	<u>0923_284.D</u>	RRF282	<u>0923_285.D</u>	RRF283	<u>0923_286.D</u>	RRF284	<u>0923_287.D</u>	RRF285	<u>0923_288.D</u>	RRF286	<u>0923_289.D</u>	RRF287	<u>0923_290.D</u>	RRF288	<u>0923_291.D</u>	RRF289	<u>0923_292.D</u>	RRF290	<u>0923_293.D</u>	RRF291	<u>0923_294.D</u>	RRF292	<u>0923_295.D</u>	RRF293	<u>0923_296.D</u>	RRF294	<u>0923_297.D</u>	RRF295	<u>0923_298.D</u>	RRF296	<u>0923_299.D</u>	RRF297	<u>0923_300.D</u>	RRF298	<u>0923_301.D</u>	RRF299	<u>0923_302.D</u>	RRF300	<u>0923_303.D</u>	RRF301	<u>0923_304.D</u>	RRF302	<u>0923_305.D</u>	RRF303	<u>0923_306.D</u>	RRF304	<u>0923_307.D</u>	RRF305	<u>0923_308.D</u>	RRF306	<u>0923_309.D</u>	RRF307	<u>0923_310.D</u>	RRF308	<u>0923_311.D</u>	RRF309	<u>0923_312.D</u>	RRF310	<u>0923_313.D</u>	RRF311	<u>0923_314.D</u>	RRF312	<u>0923_315.D</u>	RRF313	<u>0923_316.D</u>	RRF314	<u>0923_317.D</u>	RRF315	<u>0923_318.D</u>	RRF316	<u>0923_319.D</u>	RRF317	<u>0923_320.D</u>	RRF318	<u>0923_321.D</u>	RRF319	<u>0923_322.D</u>	RRF320	<u>0923_323.D</u>	RRF321	<u>0923_324.D</u>	RRF322	<u>0923_325.D</u>	RRF323	<u>0923_326.D</u>	RRF324	<u>0923_327.D</u>	RRF325	<u>0923_328.D</u>	RRF326	<u>0923_329.D</u>	RRF327	<u>0923_330.D</u>	RRF328	<u>0923_331.D</u>	RRF329	<u>0923_332.D</u>	RRF330	<u>0923_333.D</u>	RRF331	<u>0923_334.D</u>	RRF332	<u>0923_335.D</u>	RRF333	<u>0923_336.D</u>	RRF334	<u>0923_337.D</u>	RRF335	<u>0923_338.D</u>	RRF336	<u>0923_339.D</u>	RRF337	<u>0923_340.D</u>	RRF338	<u>0923_341.D</u>	RRF339	<u>0923_342.D</u>	RRF340	<u>0923_343.D</u>	RRF341	<u>0923_344.D</u>	RRF342	<u>0923_345.D</u>	RRF343	<u>0923_346.D</u>	RRF344	<u>0923_347.D</u>	RRF345	<u>0923_348.D</u>	RRF346	<u>0923_349.D</u>	RRF347	<u>0923_350.D</u>	RRF348	<u>0923_351.D</u>	RRF349	<u>0923_352.D</u>	RRF350	<u>0923_353.D</u>	RRF351	<u>0923_354.D</u>	RRF352	<u>0923_355.D</u>	RRF353	<u>0923_356.D</u>	RRF354	<u>0923_357.D</u>	RRF355	<u>0923_358.D</u>	RRF356	<u>0923_359.D</u>	RRF357	<u>0923_360.D</u>	RRF358	<u>0923_361.D</u>	RRF359	<u>0923_362.D</u>	RRF360	<u>0923_363.D</u>	RRF361	<u>0923_364.D</u>	RRF362	<u>0923_365.D</u>	RRF363	<u>0923_366.D</u>	RRF364	<u>0923_367.D</u>	RRF365	<u>0923_368.D</u>	RRF366	<u>0923_369.D</u>	RRF367	<u>0923_370.D</u>	RRF368	<u>0923_371.D</u>	RRF369	<u>0923_372.D</u>	RRF370	<u>0923_373.D</u>	RRF371	<u>0923_374.D</u>	RRF372	<u>0923_375.D</u>	RRF373	<u>0923_376.D</u>	RRF374	<u>0923_377.D</u>	RRF375	<u>0923_378.D</u>	RRF376	<u>0923_379.D</u>	RRF377	<u>0923_380.D</u>	RRF378	<u>0923_381.D</u>	RRF379	<u>0923_382.D</u>	RRF380	<u>0923_383.D</u>	RRF381	<u>0923_384.D</u>	RRF382	<u>0923_385.D</u>	RRF383	<u>0923_386.D</u>	RRF384	<u>0923_387.D</u>	RRF385	<u>0923_388.D</u>	RRF386	<u>0923_389.D</u>	RRF387	<u>0923_390.D</u>	RRF388	<u>0923_391.D</u>	RRF3

Quantitation Report (RF) (QT Reviewed)

Data Path : H:\AIR2025\CHEM24\09SEP\23\
 Data File : 0923_04.D
 Acq On : 23 Sep 2025 12:25 pm
 Operator : Keith
 Client ID : ICAL 0.01
 Lab ID : 0.01 (40cc -1); T01515
 ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 24 13:51:33 2025
 Quant Method : H:\AIR2025\CHEM24\Methods\24_AIR_0923.M
 Quant Title : VOA Standards for 5 point calibration
 QLast Update : Fri Sep 19 11:16:14 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	7.467	130	192211	10.000	ng	0.00
36) 1,4-Difluorobenzene	8.632	114	765392	10.000	ng	0.00
53) Chlorobenzene-d5	11.111	82	434375	10.000	ng	0.00
80) Bromochloromethane(sim)	7.462	130	211304	10.000	ng	# 0.00
95) 1,4-Difluorobenzene(sim)	8.632	114	765394	10.000	ng	0.00
105) Chlorobenzene-d5(sim)	11.111	82	434375	10.000	ng	0.00

System Monitoring Compounds

62) % Bromofluorobenzene	11.945	95	523899	10.252	ppbv	0.00
Spiked Amount	10.000	Range 70 - 130	Recovery	=	102.50%	

Target Compounds

					Qvalue	
2) Propylene	4.021	41	1984	0.065	ppbv#	84
3) Dichlorodifluoromethane	4.096	85	889	0.012	ppbv#	48
4) Chloromethane	4.253	50	625	0.019	ppbv#	42
5) 1,2-Dichlorotetrafluor...	4.336	85	815	0.011	ppbv#	15
6) Vinyl Chloride	0.000	62	0	0.000	ppbv	0
7) 1,3-Butadiene	4.585	54	275	0.010	ppbv#	55
8) Bromomethane	4.784	94	148	0.005	ppbv#	69
9) Chloroethane	0.000	64	0	0.000	ppbv	0
11) Ethanol	5.033	45	846	0.073	ppbv#	64
12) Acetone	5.401	43	3571	0.065	ppbv#	85
13) Trichlorofluoromethane	5.529	101	533	0.008	ppbv#	85
14) Isopropylalcohol	5.578	45	1916	0.030	ppbv#	59
15) Acrylonitrile	0.000	53	0	0.000	ppbv	0
16) 1,1-Dichloroethene	5.981	61	547	0.010	ppbv#	62
17) Methylene Chloride	6.059	49	11211	0.260	ppbv	95
20) Carbon Disulfide	6.297	76	942	0.010	ppbv#	76
21) Trichlorotrifluoroethane	6.231	101	333	0.006	ppbv#	11
22) Trans-1,2-Dichloroethene	6.696	61	427	0.009	ppbv#	31
23) 1,1-Dichloroethane	6.818	63	577	0.009	ppbv#	52
24) Methyl tert-butyl ethe...	6.875	73	2730	0.032	ppbv#	55
25) Methyl Ethyl Ketone	7.078	43	1375	0.018	ppbv#	67
26) Cis-1,2-Dichloroethene	7.361	61	138	0.003	ppbv#	1
27) Hexane	7.475	57	1138	0.022	ppbv#	60
28) Chloroform	7.540	83	476	0.007	ppbv#	67
29) Ethyl acetate	0.000	61	0	0.000	ppbv	0
30) Tetrahydrofuran	7.816	42	137	0.003	ppbv#	47
31) 1,2-Dichloroethane	8.010	62	247	0.006	ppbv#	43
32) 1,1,1-Trichloroethane	8.172	97	512	0.009	ppbv#	41
33) Benzene	8.459	78	1377	0.013	ppbv#	63
34) Carbon Tetrachloride	8.554	117	475	0.009	ppbv#	82
35) Cyclohexane	8.623	84	1222	0.032	ppbv#	1
37) 1,2-dichloropropane	8.926	63	301	0.007	ppbv#	73
38) Bromodichloromethane	9.047	83	437	0.006	ppbv	73
39) Trichloroethene	9.065	130	290	0.008	ppbv#	34
40) 2,2,4-trimethylpentane	9.073	57	1841	0.011	ppbv#	81
41) 1,4-Dioxane	0.000	88	0	0.000	ppbv	0
43) Heptane	9.203	43	994	0.014	ppbv#	64
44) cis-1,3-Dichloropropene	9.542	75	583	0.009	ppbv#	44
45) 4-Methyl-2-pentanone(M...	9.577	43	1052	0.011	ppbv#	50
46) trans-1,3-Dichloropropene	9.844	75	296	0.006	ppbv#	44
47) 1,1,2-Trichloroethane	9.957	97	362	0.010	ppbv#	50
48) Toluene	10.119	91	1346	0.013	ppbv#	87

Quantitation Report (RF) (QT Reviewed)

Data Path : H:\AIR2025\CHEM24\09SEP\23\
 Data File : 0923_04.D
 Acq On : 23 Sep 2025 12:25 pm
 Operator : Keith
 Client ID : ICAL 0.01
 Lab ID : 0.01 (40cc -1); T01515
 ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 24 13:51:33 2025
 Quant Method : H:\AIR2025\CHEM24\Methods\24_AIR_0923.M
 Quant Title : VOA Standards for 5 point calibration
 QLast Update : Fri Sep 19 11:16:14 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
49) Dibromochloromethane	10.365	129	411	0.007	ppbv#	72
50) 2-Hexanone(MBK)	10.386	43	116	0.002	ppbv#	38
51) 1,2-Dibromoethane(EDB)	10.520	107	395	0.007	ppbv#	31
52) Tetrachloroethene	10.759	166	173	0.004	ppbv#	49
54) 1,1,1,2-Tetrachloroethane	11.111	131	248	0.006	ppbv#	16
55) Chlorobenzene	11.134	112	947	0.013	ppbv#	1
56) Ethylbenzene	11.323	91	1465	0.012	ppbv	79
57) m, p-Xylene	11.422	91	2443	0.027	ppbv#	64
58) Bromoform	11.498	173	273	0.005	ppbv#	28
59) Styrene	11.634	104	403	0.006	ppbv#	39
60) 1,1,2,2-Tetrachloroethane	11.687	83	1071	0.013	ppbv#	75
61) o-Xylene	11.695	91	1191	0.012	ppbv#	76
64) Isopropylbenzene	12.006	105	1697	0.013	ppbv#	64
66) 4-Ethyltoluene	12.387	105	1399	0.011	ppbv#	52
67) 1,3,5-Trimethylbenzene	12.426	105	1422	0.014	ppbv#	81
68) 1,2,4-Trimethylbenzene	12.675	105	1266	0.012	ppbv#	95
70) Benzyl chloride	12.776	91	259	0.003	ppbv#	58
71) 1,3-Dichlorobenzene	12.791	146	198	0.003	ppbv#	14
72) 1,4-Dichlorobenzene	12.830	146	538	0.009	ppbv#	63
73) sec-Butylbenzene	12.838	105	1577	0.010	ppbv#	84
74) 4-Isopropyltoluene	12.923	119	1656	0.012	ppbv#	79
75) 1,2-Dichlorobenzene	13.056	146	642	0.011	ppbv#	65
76) n-Butylbenzene	13.195	91	1381	0.011	ppbv#	72
77) 1,2,4-Trichlorobenzene	14.237	180	277	0.005	ppbv#	86
78) Naphthalene	14.331	128	4636	0.056	ppbv#	83
79) Hexachlorobutadiene	14.579	225	627	0.015	ppbv	81
81] 1,2-Dichlorotetrafluor...	4.339	85	878m	0.011	ppbv	15
82] Vinyl Chloride(sim)	4.447	62	435	0.012	ppbv#	85
83] Bromomethane(sim)	4.803	94	394m	0.012	ppbv	69
84] Trichlorofluoromethane...	5.532	101	778	0.011	ppbv#	95
85] 1,2-Dichloroethane(sim)	8.005	62	517m	0.011	ppbv	43
86] 1,1,1-Trichloroethane(...	8.175	97	724	0.011	ppbv#	95
87] Benzene(sim)	8.453	78	1452m	0.013	ppbv	63
88] Carbon Tetrachloride(sim)	8.548	117	534m	0.010	ppbv	93
89] 1,1-Dichloroethene(sim)	5.984	61	610m	0.011	ppbv	62
90] Trichlorotrifluoroetha...	6.240	101	651	0.011	ppbv#	83
91] Trans-1,2-Dichloroethe...	6.691	61	592m	0.012	ppbv	31
92] 1,1-Dichloroethane(sim)	6.821	63	693	0.011	ppbv#	91
93] Cis-1,2-Dichloroethene...	7.356	61	547m	0.011	ppbv	1
94] Chloroform(sim)	7.535	83	762	0.011	ppbv#	83
96] 1,2-dichloropropane(sim)	8.929	63	499	0.011	ppbv	95
97] Bromodichloromethane(sim)	9.041	83	789m	0.011	ppbv	75
98] Trichloroethene(sim)	9.067	130	435	0.011	ppbv#	85
99] 1,4-Dioxane(sim)	9.076	88	134m	0.008	ppbv	0
100] cis-1,3-Dichloropropen...	9.551	75	653	0.010	ppbv#	93
101] 1,1,2-Trichloroethane(...	9.960	97	453m	0.013	ppbv	50
102] Dibromochloromethane(sim)	10.375	129	643	0.011	ppbv	98
103] 1,2-Dibromoethane(EDB)...	10.516	107	647m	0.012	ppbv	31
104] Tetrachloroethene(sim)	10.762	166	531	0.012	ppbv	90
106] Bromoform(sim)	11.501	173	536m	0.011	ppbv	96
107] m, p-Xylene(sim)	11.425	91	2634m	0.025	ppbv	64
108] 1,1,2,2-Tetrachloroeth...	11.683	83	1128	0.012	ppbv#	95
109] Benzyl chloride(sim)	12.779	91	443m	0.006	ppbv	58
110] 1,3-Dichlorobenzene(sim)	12.794	146	832	0.013	ppbv	94
111] 1,4-Dichlorobenzene(sim)	12.833	146	854m	0.015	ppbv	63

Quantitation Report (RF) (QT Reviewed)

Data Path : H:\AIR2025\CHEM24\09SEP\23\
Data File : 0923_04.D
Acq On : 23 Sep 2025 12:25 pm
Operator : Keith
Client ID : ICAL 0.01
Lab ID : 0.01 (40cc -1); T01515
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 24 13:51:33 2025
Quant Method : H:\AIR2025\CHEM24\Methods\24_AIR_0923.M
Quant Title : VOA Standards for 5 point calibration
QLast Update : Fri Sep 19 11:16:14 2025
Response via : Initial Calibration

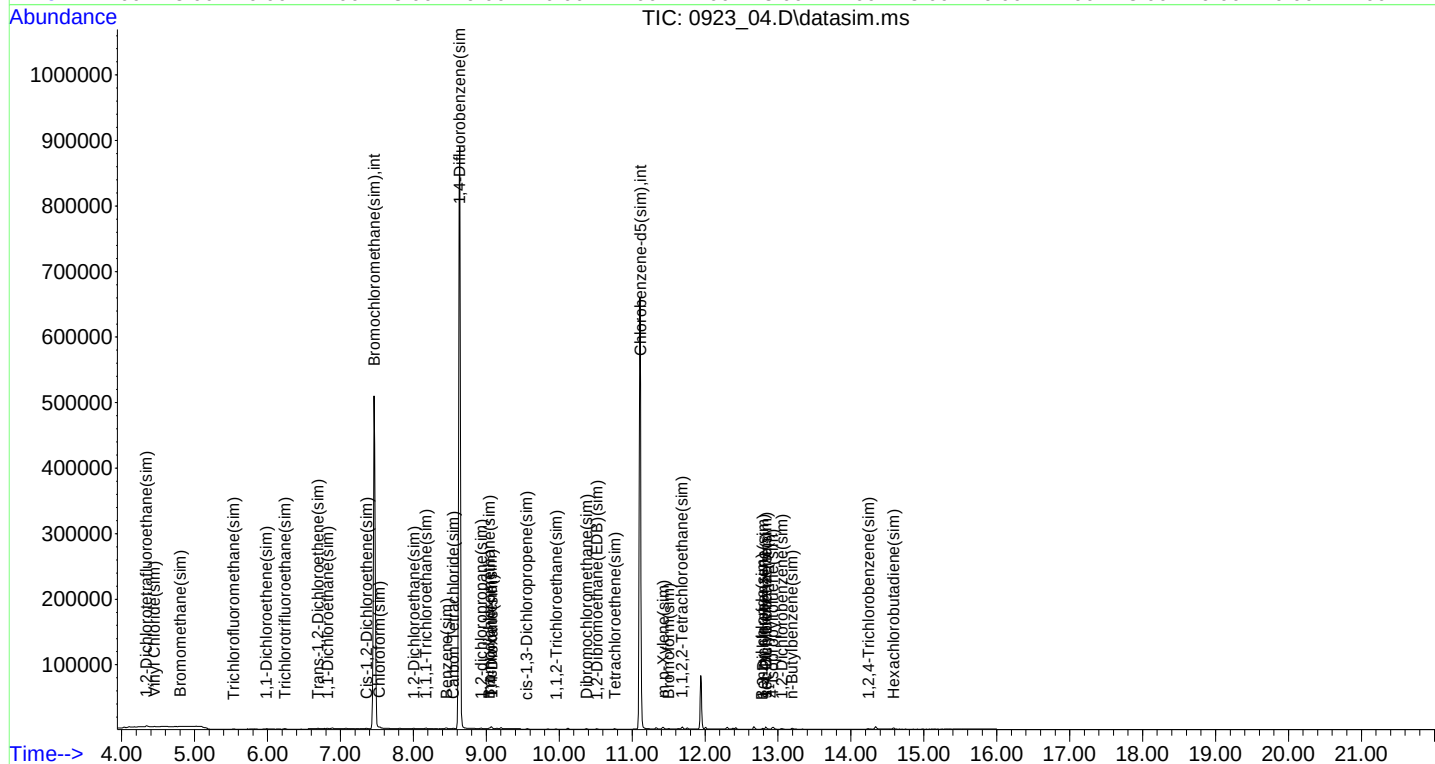
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
112] sec-Butylbenzene(sim)	12.833	105	1950	0.011	ppbv	94
113] 4-Isopropyltoluene(sim)	12.926	119	1878m	0.014	ppbv	79
114] 1,2-Dichlorobenzene(sim)	13.051	146	912	0.014	ppbv	91
115] n-Butylbenzene(sim)	13.191	91	1438m	0.013	ppbv	72
116] 1,2,4-Trichlorobenzene...	14.240	180	685	0.054	ppbv	94
118] Hexachlorobutadiene(sim)	14.582	225	1111	0.009	ppbv	98

(#)out of range (m>manual integration reviewed by analyst (+)signals summed

Data Path : H:\AIR2025\CHEM24\09SEP\23\
Data File : 0923_04.D
Acq On : 23 Sep 2025 12:25 pm
Operator : Keith
Client ID : ICAL 0.01
Lab ID : 0.01 (40cc -1); T01515
ALS Vial : 3 Sample Multiplier: 1

Chromatogram showing Abundance vs Time (min). The x-axis ranges from 4.00 to 21.00 minutes, and the y-axis ranges from 0 to 2,000,000 abundance. Major peaks are labeled with chemical names.

Time (min)	Chemical Name	Approximate Abundance
4.50	Bromochloromethane	600,000
4.80	1,2-Dichloroethane	600,000
5.20	1,3-Butadiene	20,000
5.50	Bromomethane	20,000
5.80	Ethanol	20,000
6.20	Acetone	20,000
6.50	Isopropylmethane	20,000
6.80	1,4-Dichlorobenzene	20,000
7.20	1,2-Dichloroethane	20,000
7.50	Methyl Ethyl Ketone	20,000
7.80	1,1,1-Trichloroethane	20,000
8.20	1,1,1-Trichloroethane	20,000
8.50	1,1,1-Trichloroethane	20,000
8.80	1,1,1-Trichloroethane	20,000
9.20	1,1,1-Trichloroethane	20,000
9.50	1,1,1-Trichloroethane	20,000
9.80	1,1,1-Trichloroethane	20,000
10.20	1,1,1-Trichloroethane	20,000
10.50	1,1,1-Trichloroethane	20,000
10.80	1,1,1-Trichloroethane	20,000
11.20	1,1,1-Trichloroethane	20,000
11.50	1,1,1-Trichloroethane	20,000
11.80	1,1,1-Trichloroethane	20,000
12.20	1,1,1-Trichloroethane	20,000
12.50	1,1,1-Trichloroethane	20,000
12.80	1,1,1-Trichloroethane	20,000
13.20	1,1,1-Trichloroethane	20,000
13.50	1,1,1-Trichloroethane	20,000
13.80	1,1,1-Trichloroethane	20,000
14.20	1,1,1-Trichloroethane	20,000
14.50	1,1,1-Trichloroethane	20,000
14.80	1,1,1-Trichloroethane	20,000
15.20	1,1,1-Trichloroethane	20,000
15.50	1,1,1-Trichloroethane	20,000
15.80	1,1,1-Trichloroethane	20,000
16.20	1,1,1-Trichloroethane	20,000
16.50	1,1,1-Trichloroethane	20,000
16.80	1,1,1-Trichloroethane	20,000
17.20	1,1,1-Trichloroethane	20,000
17.50	1,1,1-Trichloroethane	20,000
17.80	1,1,1-Trichloroethane	20,000
18.20	1,1,1-Trichloroethane	20,000
18.50	1,1,1-Trichloroethane	20,000
18.80	1,1,1-Trichloroethane	20,000
19.20	1,1,1-Trichloroethane	20,000
19.50	1,1,1-Trichloroethane	20,000
19.80	1,1,1-Trichloroethane	20,000
20.20	1,1,1-Trichloroethane	20,000
20.50	1,1,1-Trichloroethane	20,000
20.80	1,1,1-Trichloroethane	20,000
21.20	1,1,1-Trichloroethane	20,000



Quantitation Report (RF) (QT Reviewed)

Data Path : H:\AIR2025\CHEM24\09SEP\23\
 Data File : 0923_05.D
 Acq On : 23 Sep 2025 1:03 pm
 Operator : Keith
 Client ID : ICAL 0.02
 Lab ID : 0.02 (80cc -1) ; T01515
 ALS Vial : 4 Sample Multiplier: 1

Quant Time: Sep 24 13:52:42 2025
 Quant Method : H:\AIR2025\CHEM24\Methods\24_AIR_0923.M
 Quant Title : VOA Standards for 5 point calibration
 QLast Update : Fri Sep 19 11:16:14 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	7.467	130	190165	10.000	ng	0.00
36) 1,4-Difluorobenzene	8.632	114	768322	10.000	ng	0.00
53) Chlorobenzene-d5	11.111	82	435320	10.000	ng	0.00
80) Bromochloromethane(sim)	7.469	130	209394	10.000	ng	# 0.00
95) 1,4-Difluorobenzene(sim)	8.632	114	768322	10.000	ng	0.00
105) Chlorobenzene-d5(sim)	11.111	82	435320	10.000	ng	0.00
System Monitoring Compounds						
62) % Bromofluorobenzene	11.945	95	520854	10.170	ppbv	0.00
Spiked Amount	10.000	Range	70 - 130	Recovery	=	101.70%
Target Compounds						
					Qvalue	
2) Propylene	4.021	41	2902	0.096	ppbv	95
3) Dichlorodifluoromethane	4.104	85	1193	0.017	ppbv#	70
4) Chloromethane	4.253	50	1028	0.032	ppbv#	42
5) 1,2-Dichlorotetrafluor...	4.336	85	1498	0.020	ppbv#	46
6) Vinyl Chloride	4.452	62	707	0.021	ppbv#	44
7) 1,3-Butadiene	4.576	54	615	0.023	ppbv#	92
8) Bromomethane	4.808	94	728	0.026	ppbv#	56
9) Chloroethane	4.949	64	138	0.009	ppbv#	39
11) Ethanol	5.016	45	2951	0.257	ppbv#	66
12) Acetone	5.406	43	4800	0.088	ppbv#	85
13) Trichlorofluoromethane	5.529	101	1285	0.019	ppbv#	91
14) Isopropylalcohol	5.578	45	2942	0.046	ppbv#	77
15) Acrylonitrile	5.737	53	403	0.019	ppbv#	15
16) 1,1-Dichloroethene	5.987	61	974	0.019	ppbv#	77
17) Methylene Chloride	6.058	49	21239	0.498	ppbv	97
20) Carbon Disulfide	6.296	76	1788	0.020	ppbv#	76
21) Trichlorotrifluoroethane	6.237	101	867	0.015	ppbv#	74
22) Trans-1,2-Dichloroethene	6.688	61	831	0.017	ppbv#	50
23) 1,1-Dichloroethane	6.826	63	1124	0.019	ppbv	81
24) Methyl tert-butyl ethe...	6.875	73	2479	0.029	ppbv#	75
25) Methyl Ethyl Ketone	7.077	43	2008	0.026	ppbv#	67
26) Cis-1,2-Dichloroethene	7.361	61	1051	0.023	ppbv#	70
27) Hexane	7.475	57	2202	0.043	ppbv#	84
28) Chloroform	7.540	83	1264	0.020	ppbv	84
29) Ethyl acetate	0.000	61	0	0.000	ppbv	0
30) Tetrahydrofuran	7.815	42	666	0.017	ppbv#	47
31) 1,2-Dichloroethane	8.010	62	903	0.021	ppbv#	72
32) 1,1,1-Trichloroethane	8.172	97	1115	0.019	ppbv#	69
33) Benzene	8.450	78	2291	0.022	ppbv#	88
34) Carbon Tetrachloride	8.545	117	851	0.015	ppbv#	66
35) Cyclohexane	8.623	84	1663	0.044	ppbv#	6
37) 1,2-dichloropropane	8.934	63	668	0.017	ppbv#	46
38) Bromodichloromethane	9.047	83	1404	0.019	ppbv	77
39) Trichloroethene	9.056	130	709	0.020	ppbv#	68
40) 2,2,4-trimethylpentane	9.073	57	3352	0.020	ppbv	94
41) 1,4-Dioxane	0.000	88	0	0.000	ppbv	0
43) Heptane	9.203	43	1653	0.023	ppbv#	95
44) cis-1,3-Dichloropropene	9.555	75	1262	0.020	ppbv#	73
45) 4-Methyl-2-pentanone(M...	9.527	43	106	0.001	ppbv#	50
46) trans-1,3-Dichloropropene	9.844	75	755	0.016	ppbv#	74
47) 1,1,2-Trichloroethane	9.949	97	1007	0.028	ppbv#	84
48) Toluene	10.118	91	2294	0.022	ppbv#	93

Quantitation Report (RF) (QT Reviewed)

Data Path : H:\AIR2025\CHEM24\09SEP\23\
 Data File : 0923_05.D
 Acq On : 23 Sep 2025 1:03 pm
 Operator : Keith
 Client ID : ICAL 0.02
 Lab ID : 0.02 (80cc -1) ; T01515
 ALS Vial : 4 Sample Multiplier: 1

Quant Time: Sep 24 13:52:42 2025
 Quant Method : H:\AIR2025\CHEM24\Methods\24_AIR_0923.M
 Quant Title : VOA Standards for 5 point calibration
 QLast Update : Fri Sep 19 11:16:14 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
49) Dibromochloromethane	10.372	129	1039	0.017	ppbv	87
50) 2-Hexanone(MBK)	10.287	43	121	0.002	ppbv#	38
51) 1,2-Dibromoethane(EDB)	10.512	107	953	0.016	ppbv	91
52) Tetrachloroethene	10.752	166	506	0.012	ppbv#	82
54) 1,1,1,2-Tetrachloroethane	11.118	131	627	0.016	ppbv#	69
55) Chlorobenzene	11.134	112	1429	0.020	ppbv#	1
56) Ethylbenzene	11.331	91	2605	0.021	ppbv	87
57) m,p-Xylene	11.422	91	4154	0.045	ppbv#	83
58) Bromoform	11.498	173	870	0.017	ppbv#	48
59) Styrene	11.634	104	1171	0.017	ppbv#	58
60) 1,1,2,2-Tetrachloroethane	11.687	83	1890	0.022	ppbv#	82
61) o-Xylene	11.687	91	2245	0.022	ppbv#	87
64) Isopropylbenzene	12.006	105	2812	0.022	ppbv#	82
66) 4-Ethyltoluene	12.379	105	2491	0.019	ppbv#	82
67) 1,3,5-Trimethylbenzene	12.418	105	2463	0.024	ppbv#	89
68) 1,2,4-Trimethylbenzene	12.674	105	2108	0.019	ppbv#	93
70) Benzyl chloride	12.783	91	592	0.007	ppbv#	58
71) 1,3-Dichlorobenzene	12.791	146	1033	0.016	ppbv#	80
72) 1,4-Dichlorobenzene	12.830	146	1239	0.021	ppbv	95
73) sec-Butylbenzene	12.838	105	3050	0.019	ppbv#	89
74) 4-Isopropyltoluene	12.923	119	2891	0.021	ppbv#	88
75) 1,2-Dichlorobenzene	13.047	146	910	0.015	ppbv	96
76) n-Butylbenzene	13.195	91	2110	0.017	ppbv#	79
77) 1,2,4-Trichlorobenzene	14.237	180	282	0.005	ppbv#	43
78) Naphthalene	14.338	128	4382	0.053	ppbv#	75
79) Hexachlorobutadiene	14.579	225	1053	0.026	ppbv	83
81] 1,2-Dichlorotetrafluor...	4.339	85	1763m	0.023	ppbv	46
82] Vinyl Chloride(sim)	4.446	62	744m	0.020	ppbv	86
83] Bromomethane(sim)	4.803	94	793m	0.025	ppbv	56
84] Trichlorofluoromethane...	5.532	101	1497	0.021	ppbv#	98
85] 1,2-Dichloroethane(sim)	8.005	62	966m	0.021	ppbv	72
86] 1,1,1-Trichloroethane(...	8.175	97	1338	0.021	ppbv#	95
87] Benzene(sim)	8.453	78	2571m	0.023	ppbv	88
88] Carbon Tetrachloride(sim)	8.548	117	1006	0.019	ppbv#	96
89] 1,1-Dichloroethene(sim)	5.984	61	1219m	0.023	ppbv	77
90] Trichlorotrifluoroetha...	6.240	101	1254	0.021	ppbv#	86
91] Trans-1,2-Dichloroethe...	6.691	61	1128m	0.023	ppbv	50
92] 1,1-Dichloroethane(sim)	6.821	63	1350	0.021	ppbv#	91
93] Cis-1,2-Dichloroethene...	7.356	61	1043m	0.022	ppbv	70
94] Chloroform(sim)	7.542	83	1436	0.021	ppbv#	90
96] 1,2-dichloropropane(sim)	8.929	63	920	0.021	ppbv#	91
97] Bromodichloromethane(sim)	9.041	83	1553m	0.022	ppbv	78
98] Trichloroethene(sim)	9.067	130	816	0.021	ppbv#	86
99] 1,4-Dioxane(sim)	9.076	88	212m	0.013	ppbv	0
100] cis-1,3-Dichloropropen...	9.551	75	1295	0.020	ppbv#	92
101] 1,1,2-Trichloroethane(...	9.959	97	836m	0.023	ppbv	84
102] Dibromochloromethane(sim)	10.375	129	1184	0.019	ppbv	98
103] 1,2-Dibromoethane(EDB)...	10.515	107	1195m	0.021	ppbv	91
104] Tetrachloroethene(sim)	10.762	166	938	0.020	ppbv	96
106] Bromoform(sim)	11.500	173	1003	0.020	ppbv	97
107] m,p-Xylene(sim)	11.425	91	4570m	0.044	ppbv	83
108] 1,1,2,2-Tetrachloroeth...	11.682	83	1947	0.021	ppbv#	97
109] Benzyl chloride(sim)	12.778	91	1013m	0.013	ppbv	58
110] 1,3-Dichlorobenzene(sim)	12.794	146	1273	0.020	ppbv#	95
111] 1,4-Dichlorobenzene(sim)	12.833	146	1476m	0.026	ppbv	95

Data Path : H:\AIR2025\CHEM24\09SEP\23\
Data File : 0923_05.D
Acq On : 23 Sep 2025 1:03 pm
Operator : Keith
Client ID : ICAL 0.02
Lab ID : 0.02 (80cc -1) ; T01515
ALS Vial : 4 Sample Multiplier: 1

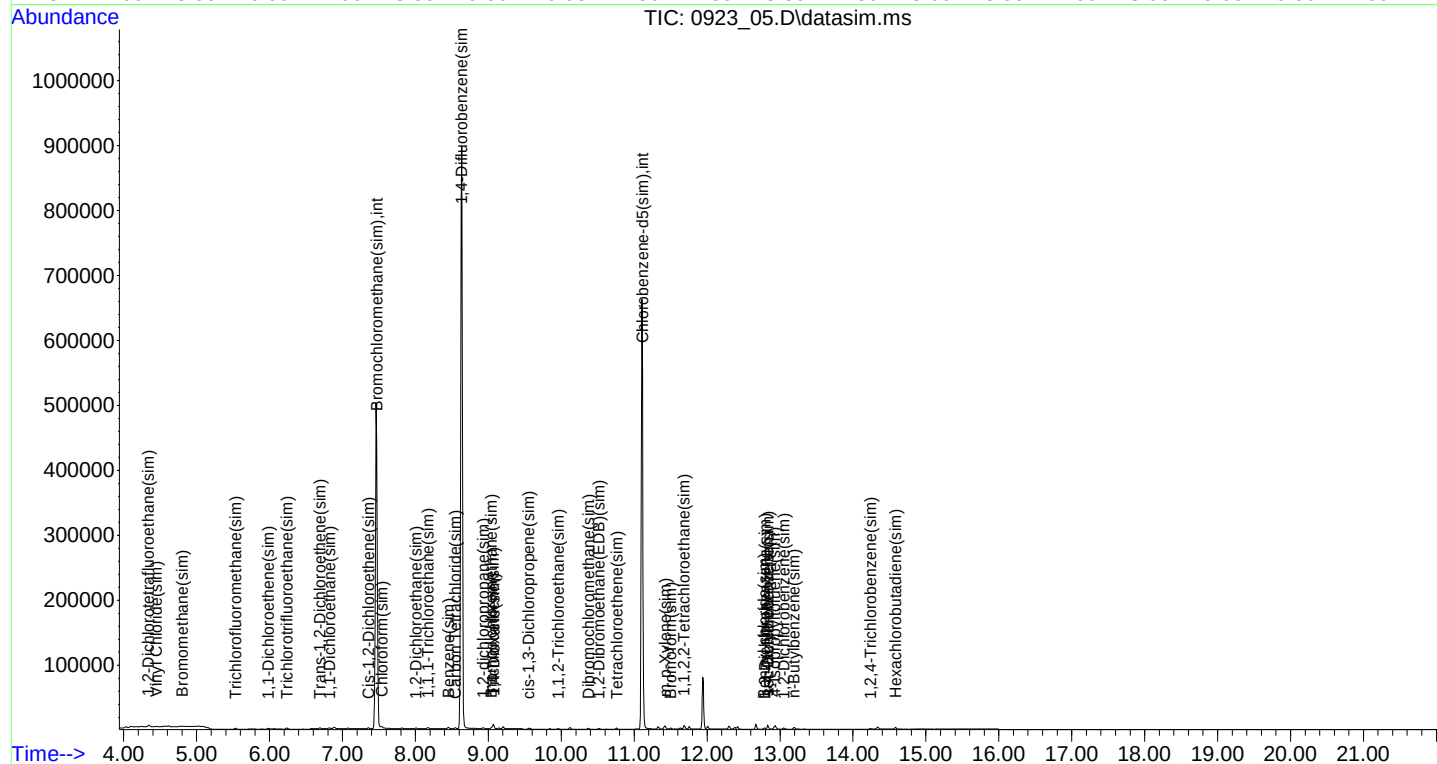
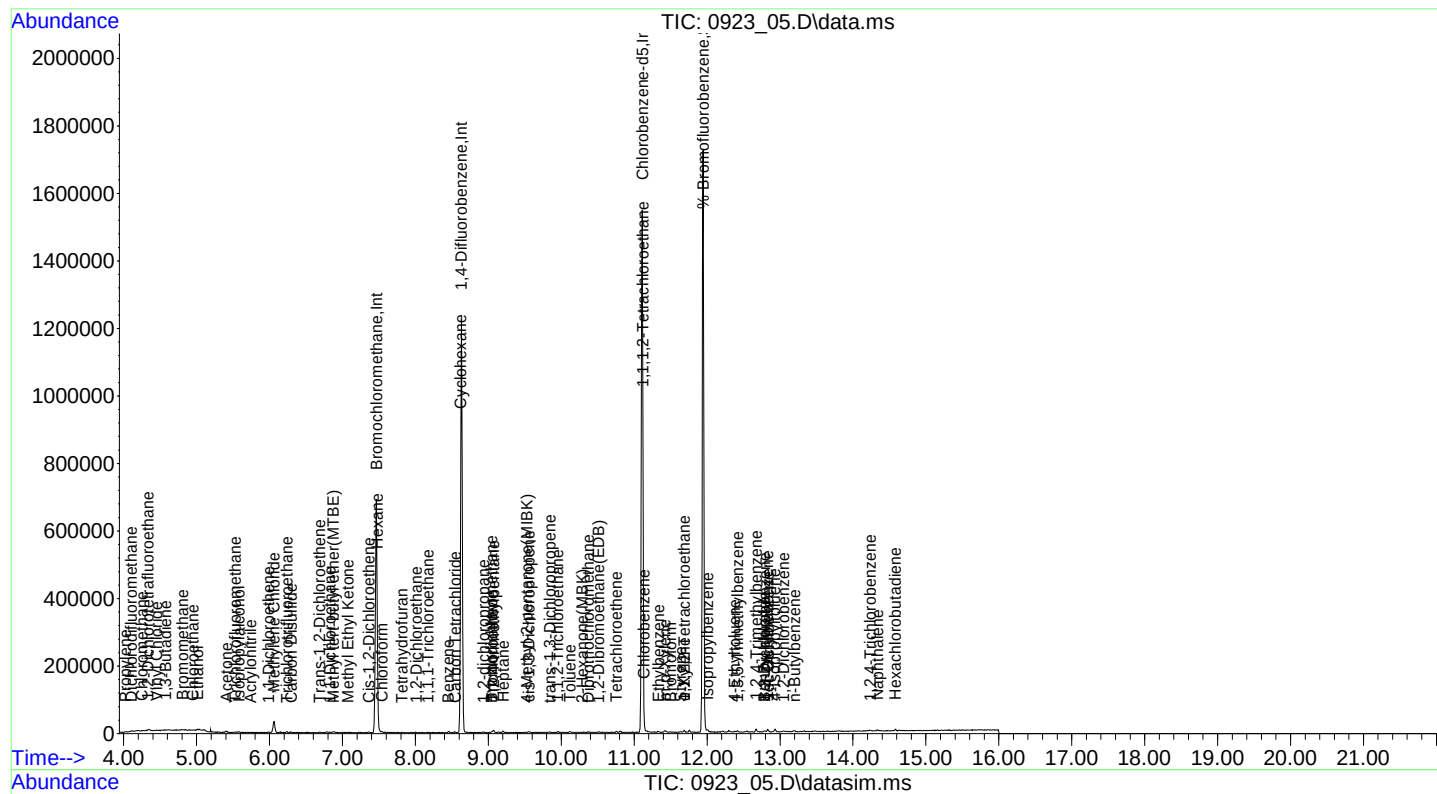
Quant Time: Sep 24 13:52:42 2025
Quant Method : H:\AIR2025\CHEM24\Methods\24_AIR_0923.M
Quant Title : VOA Standards for 5 point calibration
QLast Update : Fri Sep 19 11:16:14 2025
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
112]	sec-Butylbenzene(sim)	12.833	105	3466	0.019	ppbv	92
113]	4-Isopropyltoluene(sim)	12.923	119	2891	0.021	ppbv#	88
114]	1,2-Dichlorobenzene(sim)	13.050	146	1424	0.022	ppbv	96
115]	n-Butylbenzene(sim)	13.190	91	2302m	0.020	ppbv	79
116]	1,2,4-Trichlorobenzene...	14.240	180	710	0.055	ppbv	95
118]	Hexachlorobutadiene(sim)	14.582	225	1517	0.012	ppbv	97

(#)out of range (m>manual integration reviewed by analyst (+)signals summed

Data Path : H:\AIR2025\CHEM24\09SEP\23\
Data File : 0923_05.D
Acq On : 23 Sep 2025 1:03 pm
Operator : Keith
Client ID : ICAL 0.02
Lab ID : 0.02 (80cc -1) ; T01515
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Sep 24 13:52:42 2025
Quant Method : H:\AIR2025\CHEM24\Methods\24_AIR_0923.M
Quant Title : VOA Standards for 5 point calibration
QLast Update : Fri Sep 19 11:16:14 2025
Response via : Initial Calibration



Quantitation Report (RF) (QT Reviewed)

Data Path : H:\AIR2025\CHEM24\09SEP\23\
 Data File : 0923_06.D
 Acq On : 23 Sep 2025 1:40 pm
 Operator : Keith
 Client ID : ICAL 0.035
 Lab ID : 0.035 (140cc -1) ; T01515
 ALS Vial : 5 Sample Multiplier: 1

Quant Time: Sep 24 13:53:24 2025
 Quant Method : H:\AIR2025\CHEM24\Methods\24_AIR_0923.M
 Quant Title : VOA Standards for 5 point calibration
 QLast Update : Fri Sep 19 11:16:14 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	7.467	130	192202	10.000	ng	0.00
36) 1,4-Difluorobenzene	8.632	114	770792	10.000	ng	0.00
53) Chlorobenzene-d5	11.110	82	436127	10.000	ng	0.00
80) Bromochloromethane(sim)	7.462	130	210111	10.000	ng	# 0.00
95) 1,4-Difluorobenzene(sim)	8.632	114	770792	10.000	ng	0.00
105) Chlorobenzene-d5(sim)	11.110	82	436127	10.000	ng	0.00

System Monitoring Compounds

62) % Bromofluorobenzene	11.944	95	528469	10.299	ppbv	0.00
Spiked Amount	10.000	Range	70 - 130	Recovery	= 103.00%	

Target Compounds

					Qvalue	
2) Propylene	4.037	41	3174	0.104	ppbv	90
3) Dichlorodifluoromethane	4.096	85	2744	0.038	ppbv#	80
4) Chloromethane	4.245	50	1648	0.050	ppbv	91
5) 1,2-Dichlorotetrafluor...	4.344	85	2920	0.038	ppbv#	52
6) Vinyl Chloride	4.444	62	1339	0.040	ppbv	100
7) 1,3-Butadiene	4.576	54	1002	0.038	ppbv	94
8) Bromomethane	4.800	94	1192	0.043	ppbv#	68
9) Chloroethane	4.941	64	498	0.031	ppbv#	60
11) Ethanol	5.024	45	3341	0.288	ppbv#	84
12) Acetone	5.407	43	7394	0.135	ppbv#	88
13) Trichlorofluoromethane	5.535	101	2110	0.031	ppbv#	90
14) Isopropylalcohol	5.578	45	4334	0.067	ppbv#	72
15) Acrylonitrile	5.737	53	811	0.039	ppbv#	40
16) 1,1-Dichloroethene	5.987	61	1770	0.034	ppbv#	72
17) Methylene Chloride	6.058	49	37273	0.865	ppbv	97
20) Carbon Disulfide	6.297	76	3048	0.034	ppbv#	84
21) Trichlorotrifluoroethane	6.243	101	1890	0.033	ppbv#	69
22) Trans-1,2-Dichloroethene	6.688	61	1501	0.031	ppbv#	69
23) 1,1-Dichloroethane	6.826	63	1954	0.032	ppbv	78
24) Methyl tert-butyl ethe...	6.875	73	4280	0.050	ppbv#	77
25) Methyl Ethyl Ketone	7.078	43	2906	0.038	ppbv#	74
26) Cis-1,2-Dichloroethene	7.353	61	1640	0.035	ppbv#	82
27) Hexane	7.475	57	3468	0.066	ppbv#	75
28) Chloroform	7.540	83	2055	0.032	ppbv	87
29) Ethyl acetate	0.000	61	0	0.000	ppbv	0
30) Tetrahydrofuran	7.816	42	1298	0.033	ppbv#	56
31) 1,2-Dichloroethane	8.010	62	1380	0.032	ppbv#	82
32) 1,1,1-Trichloroethane	8.164	97	1986	0.033	ppbv#	90
33) Benzene	8.459	78	4440	0.042	ppbv	93
34) Carbon Tetrachloride	8.545	117	1832	0.033	ppbv	90
35) Cyclohexane	8.623	84	2294	0.061	ppbv#	21
37) 1,2-dichloropropane	8.935	63	1346	0.033	ppbv#	89
38) Bromodichloromethane	9.047	83	1982	0.027	ppbv	82
39) Trichloroethene	9.065	130	894	0.025	ppbv#	64
40) 2,2,4-trimethylpentane	9.073	57	5979	0.035	ppbv	91
41) 1,4-Dioxane	0.000	88	0	0.000	ppbv	0
43) Heptane	9.203	43	2818	0.039	ppbv#	88
44) cis-1,3-Dichloropropene	9.554	75	2050	0.033	ppbv	74
45) 4-Methyl-2-pentanone(M...	9.568	43	2843	0.030	ppbv#	69
46) trans-1,3-Dichloropropene	9.843	75	1529	0.032	ppbv#	52
47) 1,1,2-Trichloroethane	9.955	97	1033	0.028	ppbv#	85
48) Toluene	10.117	91	3971	0.038	ppbv	91

Quantitation Report (RF) (QT Reviewed)

Data Path : H:\AIR2025\CHEM24\09SEP\23\
 Data File : 0923_06.D
 Acq On : 23 Sep 2025 1:40 pm
 Operator : Keith
 Client ID : ICAL 0.035
 Lab ID : 0.035 (140cc -1) ; T01515
 ALS Vial : 5 Sample Multiplier: 1

Quant Time: Sep 24 13:53:24 2025
 Quant Method : H:\AIR2025\CHEM24\Methods\24_AIR_0923.M
 Quant Title : VOA Standards for 5 point calibration
 QLast Update : Fri Sep 19 11:16:14 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
49) Dibromochloromethane	10.370	129	1782	0.029	ppbv#	90
50) 2-Hexanone(MBK)	10.265	43	393	0.005	ppbv#	38
51) 1,2-Dibromoethane(EDB)	10.511	107	1658	0.028	ppbv	94
52) Tetrachloroethene	10.758	166	1291	0.031	ppbv	97
54) 1,1,1,2-Tetrachloroethane	11.117	131	1433	0.037	ppbv#	85
55) Chlorobenzene	11.132	112	2713	0.037	ppbv#	1
56) Ethylbenzene	11.322	91	4557	0.037	ppbv	87
57) m, p-Xylene	11.420	91	6593	0.071	ppbv#	86
58) Bromoform	11.504	173	1226	0.024	ppbv#	86
59) Styrene	11.633	104	1776	0.026	ppbv#	84
60) 1,1,2,2-Tetrachloroethane	11.686	83	2795	0.033	ppbv#	84
61) o-Xylene	11.686	91	3794	0.037	ppbv#	81
64) Isopropylbenzene	12.004	105	4753	0.037	ppbv#	93
66) 4-Ethyltoluene	12.377	105	4486	0.034	ppbv	93
67) 1,3,5-Trimethylbenzene	12.416	105	4195	0.041	ppbv#	89
68) 1,2,4-Trimethylbenzene	12.665	105	3444	0.032	ppbv#	88
70) Benzyl chloride	12.774	91	1294	0.016	ppbv#	58
71) 1,3-Dichlorobenzene	12.789	146	2147	0.034	ppbv	91
72) 1,4-Dichlorobenzene	12.836	146	1814	0.030	ppbv	96
73) sec-Butylbenzene	12.836	105	5468	0.034	ppbv#	91
74) 4-Isopropyltoluene	12.922	119	5063	0.037	ppbv	94
75) 1,2-Dichlorobenzene	13.046	146	1634	0.028	ppbv	90
76) n-Butylbenzene	13.194	91	3379	0.027	ppbv#	90
77) 1,2,4-Trichlorobenzene	14.243	180	417	0.008	ppbv#	73
78) Naphthalene	14.336	128	4436	0.053	ppbv#	83
79) Hexachlorobutadiene	14.585	225	1732	0.042	ppbv	96
81] 1,2-Dichlorotetrafluor...	4.344	85	2920	0.037	ppbv#	52
82] Vinyl Chloride(sim)	4.447	62	1294	0.035	ppbv	89
83] Bromomethane(sim)	4.803	94	1215m	0.038	ppbv	68
84] Trichlorofluoromethane...	5.532	101	2536	0.035	ppbv#	98
85] 1,2-Dichloroethane(sim)	8.005	62	1667m	0.037	ppbv	82
86] 1,1,1-Trichloroethane(...	8.175	97	2252	0.035	ppbv#	97
87] Benzene(sim)	8.459	78	4440	0.039	ppbv	93
88] Carbon Tetrachloride(sim)	8.548	117	1847	0.034	ppbv	96
89] 1,1-Dichloroethene(sim)	5.987	61	1770	0.033	ppbv#	72
90] Trichlorotrifluoroetha...	6.240	101	2127	0.035	ppbv#	87
91] Trans-1,2-Dichloroethe...	6.688	61	1501	0.031	ppbv#	69
92] 1,1-Dichloroethane(sim)	6.821	63	2216	0.034	ppbv	94
93] Cis-1,2-Dichloroethene...	7.353	61	1640	0.034	ppbv#	82
94] Chloroform(sim)	7.543	83	2441	0.035	ppbv#	93
96] 1,2-dichloropropane(sim)	8.929	63	1548	0.035	ppbv#	90
97] Bromodichloromethane(sim)	9.047	83	1982	0.029	ppbv	84
98] Trichloroethene(sim)	9.067	130	1336	0.034	ppbv#	89
99] 1,4-Dioxane(sim)	9.076	88	379m	0.023	ppbv	0
100] cis-1,3-Dichloropropen...	9.550	75	2171	0.034	ppbv#	94
101] 1,1,2-Trichloroethane(...	9.955	97	1033	0.028	ppbv#	85
102] Dibromochloromethane(sim)	10.373	129	2017	0.033	ppbv	98
103] 1,2-Dibromoethane(EDB)...	10.511	107	1658	0.030	ppbv	94
104] Tetrachloroethene(sim)	10.760	166	1570	0.034	ppbv	96
106] Bromoform(sim)	11.499	173	1666	0.033	ppbv	99
107] m, p-Xylene(sim)	11.420	91	6593	0.063	ppbv#	87
108] 1,1,2,2-Tetrachloroeth...	11.681	83	3164	0.033	ppbv#	98
109] Benzyl chloride(sim)	12.774	91	1294	0.017	ppbv#	58
110] 1,3-Dichlorobenzene(sim)	12.792	146	2063	0.032	ppbv	93
111] 1,4-Dichlorobenzene(sim)	12.836	146	1814	0.032	ppbv	96

Quantitation Report (RF) (QT Reviewed)

Data Path : H:\AIR2025\CHEM24\09SEP\23\
Data File : 0923_06.D
Acq On : 23 Sep 2025 1:40 pm
Operator : Keith
Client ID : ICAL 0.035
Lab ID : 0.035 (140cc -1) ; T01515
ALS Vial : 5 Sample Multiplier: 1

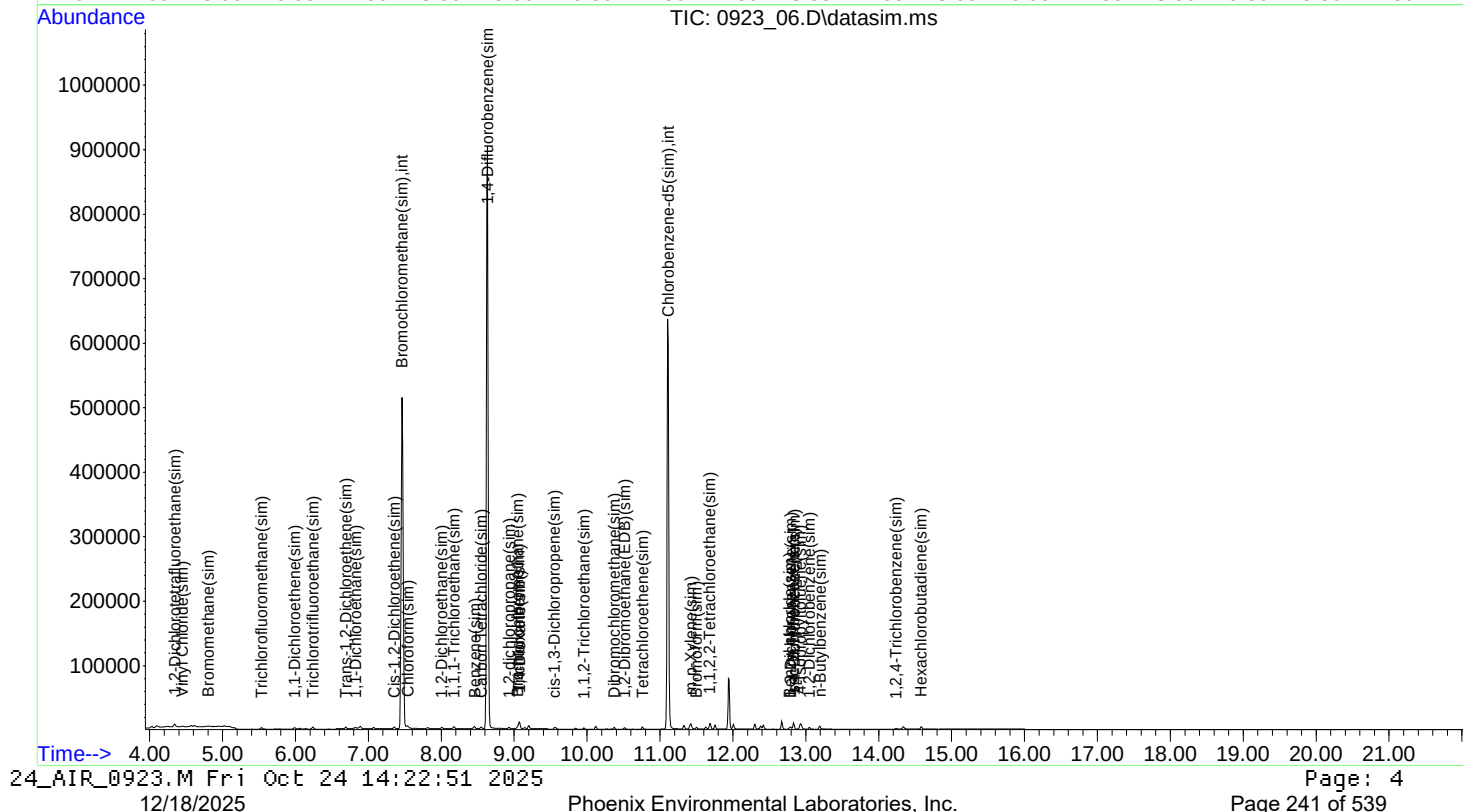
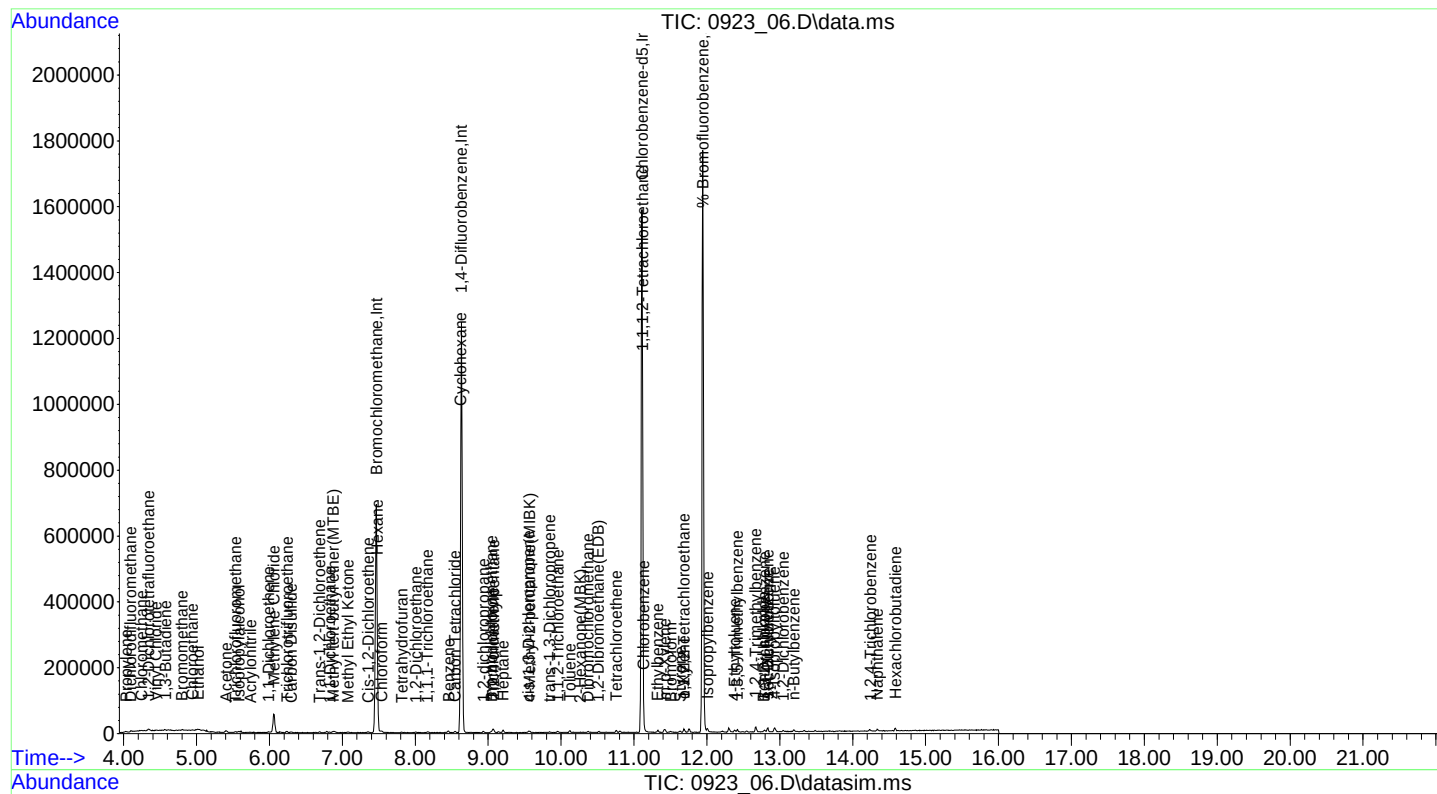
Quant Time: Sep 24 13:53:24 2025
Quant Method : H:\AIR2025\CHEM24\Methods\24_AIR_0923.M
Quant Title : VOA Standards for 5 point calibration
QLast Update : Fri Sep 19 11:16:14 2025
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
112]	sec-Butylbenzene(sim)	12.831	105	5798	0.032	ppbv	93
113]	4-Isopropyltoluene(sim)	12.922	119	4876	0.035	ppbv	93
114]	1,2-Dichlorobenzene(sim)	13.049	146	2212	0.034	ppbv	92
115]	n-Butylbenzene(sim)	13.194	91	3379	0.029	ppbv	90
116]	1,2,4-Trichlorobenzene...	14.238	180	876	0.064	ppbv	97
118]	Hexachlorobutadiene(sim)	14.580	225	2125	0.017	ppbv	99

(#)out of range (m>manual integration reviewed by analyst (+)signals summed

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Quantitation Report (RF) (QT Reviewed)

Data Path : H:\AIR2025\CHEM24\09SEP\23\
 Data File : 0923_07.D
 Acq On : 23 Sep 2025 2:18 pm
 Operator : Keith
 Client ID : ICAL 0.05
 Lab ID : 0.05 ppb ; T01515
 ALS Vial : 6 Sample Multiplier: 1

Quant Time: Sep 24 13:54:06 2025
 Quant Method : H:\AIR2025\CHEM24\Methods\24_AIR_0923.M
 Quant Title : VOA Standards for 5 point calibration
 QLast Update : Fri Sep 19 11:16:14 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	7.467	130	184157	10.000	ng	0.00
36) 1,4-Difluorobenzene	8.632	114	739728	10.000	ng	0.00
53) Chlorobenzene-d5	11.111	82	421741	10.000	ng	0.00
80) Bromochloromethane(sim)	7.462	130	203518	10.000	ng	# 0.00
95) 1,4-Difluorobenzene(sim)	8.632	114	739728	10.000	ng	0.00
105) Chlorobenzene-d5(sim)	11.111	82	421741	10.000	ng	0.00
System Monitoring Compounds						
62) % Bromofluorobenzene	11.945	95	503475	10.147	ppbv	0.00
Spiked Amount	10.000	Range	70 - 130	Recovery	=	101.50%
Target Compounds						
					Qvalue	
2) Propylene	4.029	41	3826	0.131	ppbv	96
3) Dichlorodifluoromethane	4.095	85	3701	0.053	ppbv	94
4) Chloromethane	4.245	50	2155	0.068	ppbv	100
5) 1,2-Dichlorotetrafluor...	4.344	85	3816	0.052	ppbv#	60
6) Vinyl Chloride	4.452	62	1723	0.053	ppbv	97
7) 1,3-Butadiene	4.568	54	1639	0.065	ppbv#	92
8) Bromomethane	4.809	94	1663	0.062	ppbv#	79
9) Chloroethane	4.941	64	790	0.051	ppbv#	51
11) Ethanol	5.024	45	2220	0.200	ppbv#	1
12) Acetone	5.407	43	8957	0.170	ppbv	95
13) Trichlorofluoromethane	5.529	101	3390	0.053	ppbv#	94
14) Isopropylalcohol	5.578	45	6443	0.105	ppbv#	76
15) Acrylonitrile	5.737	53	1062	0.053	ppbv#	42
16) 1,1-Dichloroethene	5.981	61	2641	0.052	ppbv#	87
17) Methylene Chloride	6.058	49	52238	1.265	ppbv	96
20) Carbon Disulfide	6.297	76	4329	0.050	ppbv#	82
21) Trichlorotrifluoroethane	6.243	101	2816	0.052	ppbv#	40
22) Trans-1,2-Dichloroethene	6.688	61	2259	0.049	ppbv	91
23) 1,1-Dichloroethane	6.826	63	2805	0.048	ppbv	92
24) Methyl tert-butyl ethe...	6.867	73	6358	0.077	ppbv#	78
25) Methyl Ethyl Ketone	7.077	43	4165	0.056	ppbv#	87
26) Cis-1,2-Dichloroethene	7.353	61	2538	0.056	ppbv#	87
27) Hexane	7.475	57	5402	0.108	ppbv	88
28) Chloroform	7.540	83	3112	0.050	ppbv	98
29) Ethyl acetate	7.459	61	419	0.038	ppbv#	33
30) Tetrahydrofuran	7.807	42	1812	0.048	ppbv	99
31) 1,2-Dichloroethane	8.010	62	2275	0.054	ppbv#	91
32) 1,1,1-Trichloroethane	8.172	97	2921	0.051	ppbv	93
33) Benzene	8.450	78	6296	0.062	ppbv#	91
34) Carbon Tetrachloride	8.545	117	2424	0.045	ppbv	93
35) Cyclohexane	8.632	84	3065	0.085	ppbv#	49
37) 1,2-dichloropropane	8.926	63	2070	0.053	ppbv	95
38) Bromodichloromethane	9.047	83	3293	0.047	ppbv	84
39) Trichloroethene	9.064	130	1633	0.048	ppbv#	82
40) 2,2,4-trimethylpentane	9.073	57	8478	0.052	ppbv#	94
41) 1,4-Dioxane	9.073	88	309	0.017	ppbv#	52
43) Heptane	9.203	43	4100	0.059	ppbv#	87
44) cis-1,3-Dichloropropene	9.548	75	2889	0.048	ppbv	86
45) 4-Methyl-2-pentanone(M...	9.563	43	3700	0.041	ppbv#	85
46) trans-1,3-Dichloropropene	9.844	75	2145	0.046	ppbv#	75
47) 1,1,2-Trichloroethane	9.957	97	1662	0.047	ppbv#	81
48) Toluene	10.119	91	5167	0.052	ppbv#	96

Quantitation Report (RF) (QT Reviewed)

Data Path : H:\AIR2025\CHEM24\09SEP\23\
 Data File : 0923_07.D
 Acq On : 23 Sep 2025 2:18 pm
 Operator : Keith
 Client ID : ICAL 0.05
 Lab ID : 0.05 ppb ; T01515
 ALS Vial : 6 Sample Multiplier: 1

Quant Time: Sep 24 13:54:06 2025
 Quant Method : H:\AIR2025\CHEM24\Methods\24_AIR_0923.M
 Quant Title : VOA Standards for 5 point calibration
 QLast Update : Fri Sep 19 11:16:14 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
49) Dibromochloromethane	10.372	129	2473	0.042	ppbv#	90
50) 2-Hexanone(MBK)	10.252	43	1721	0.023	ppbv#	38
51) 1,2-Dibromoethane(EDB)	10.513	107	2523	0.045	ppbv	94
52) Tetrachloroethene	10.759	166	1941	0.049	ppbv	98
54) 1,1,1,2-Tetrachloroethane	11.119	131	1839	0.049	ppbv	84
55) Chlorobenzene	11.134	112	3943	0.056	ppbv#	1
56) Ethylbenzene	11.331	91	6490	0.054	ppbv	91
57) m,p-Xylene	11.422	91	9991	0.112	ppbv	89
58) Bromoform	11.498	173	1868	0.038	ppbv	94
59) Styrene	11.627	104	3364	0.051	ppbv	98
60) 1,1,2,2-Tetrachloroethane	11.680	83	4167	0.050	ppbv#	85
61) o-Xylene	11.687	91	5190	0.053	ppbv#	90
64) Isopropylbenzene	12.006	105	6946	0.056	ppbv#	89
66) 4-Ethyltoluene	12.379	105	6875	0.054	ppbv#	88
67) 1,3,5-Trimethylbenzene	12.418	105	5452	0.055	ppbv	95
68) 1,2,4-Trimethylbenzene	12.667	105	5109	0.048	ppbv	93
70) Benzyl chloride	12.768	91	2027	0.026	ppbv#	64
71) 1,3-Dichlorobenzene	12.791	146	3013	0.049	ppbv	94
72) 1,4-Dichlorobenzene	12.830	146	2610	0.045	ppbv	95
73) sec-Butylbenzene	12.830	105	7645	0.049	ppbv#	90
74) 4-Isopropyltoluene	12.923	119	6988	0.053	ppbv	94
75) 1,2-Dichlorobenzene	13.048	146	2852	0.050	ppbv	97
76) n-Butylbenzene	13.188	91	5347	0.044	ppbv#	91
77) 1,2,4-Trichlorobenzene	14.237	180	748	0.015	ppbv#	59
78) Naphthalene	14.338	128	5111	0.063	ppbv#	91
79) Hexachlorobutadiene	14.579	225	2242	0.056	ppbv	97
81] 1,2-Dichlorotetrafluor...	4.344	85	3816	0.050	ppbv#	57
82] Vinyl Chloride(sim)	4.447	62	1793	0.050	ppbv	95
83] Bromomethane(sim)	4.803	94	1571m	0.051	ppbv	78
84] Trichlorofluoromethane...	5.532	101	3602	0.051	ppbv#	98
85] 1,2-Dichloroethane(sim)	8.010	62	2275	0.052	ppbv#	91
86] 1,1,1-Trichloroethane(...	8.175	97	3191	0.051	ppbv#	96
87] Benzene(sim)	8.450	78	6296	0.058	ppbv#	91
88] Carbon Tetrachloride(sim)	8.548	117	2565	0.049	ppbv	95
89] 1,1-Dichloroethene(sim)	5.981	61	2641	0.051	ppbv#	87
90] Trichlorotrifluoroetha...	6.240	101	2972	0.050	ppbv#	87
91] Trans-1,2-Dichloroethe...	6.688	61	2259	0.048	ppbv	91
92] 1,1-Dichloroethane(sim)	6.821	63	3213	0.051	ppbv	96
93] Cis-1,2-Dichloroethene...	7.353	61	2538	0.054	ppbv#	87
94] Chloroform(sim)	7.543	83	3397	0.050	ppbv	97
96] 1,2-dichloropropane(sim)	8.929	63	2160	0.051	ppbv#	94
97] Bromodichloromethane(sim)	9.047	83	3293	0.050	ppbv	87
98] Trichloroethene(sim)	9.067	130	1937	0.052	ppbv#	88
99] 1,4-Dioxane(sim)	9.073	88	309	0.019	ppbv#	52
100] cis-1,3-Dichloropropen...	9.551	75	3071	0.050	ppbv#	93
101] 1,1,2-Trichloroethane(...	9.957	97	1662	0.048	ppbv#	81
102] Dibromochloromethane(sim)	10.368	129	2897	0.049	ppbv	100
103] 1,2-Dibromoethane(EDB)...	10.513	107	2523	0.047	ppbv	94
104] Tetrachloroethene(sim)	10.755	166	2209	0.050	ppbv	97
106] Bromoform(sim)	11.501	173	2350	0.048	ppbv	99
107] m,p-Xylene(sim)	11.422	91	9991	0.099	ppbv#	89
108] 1,1,2,2-Tetrachloroeth...	11.683	83	4418	0.048	ppbv#	98
109] Benzyl chloride(sim)	12.768	91	2027	0.027	ppbv#	64
110] 1,3-Dichlorobenzene(sim)	12.786	146	3032	0.048	ppbv	95
111] 1,4-Dichlorobenzene(sim)	12.830	146	2610	0.048	ppbv	95

Data Path : H:\AIR2025\CHEM24\09SEP\23\
Data File : 0923_07.D
Acq On : 23 Sep 2025 2:18 pm
Operator : Keith
Client ID : ICAL 0.05
Lab ID : 0.05 ppb ; T01515
ALS Vial : 6 Sample Multiplier: 1

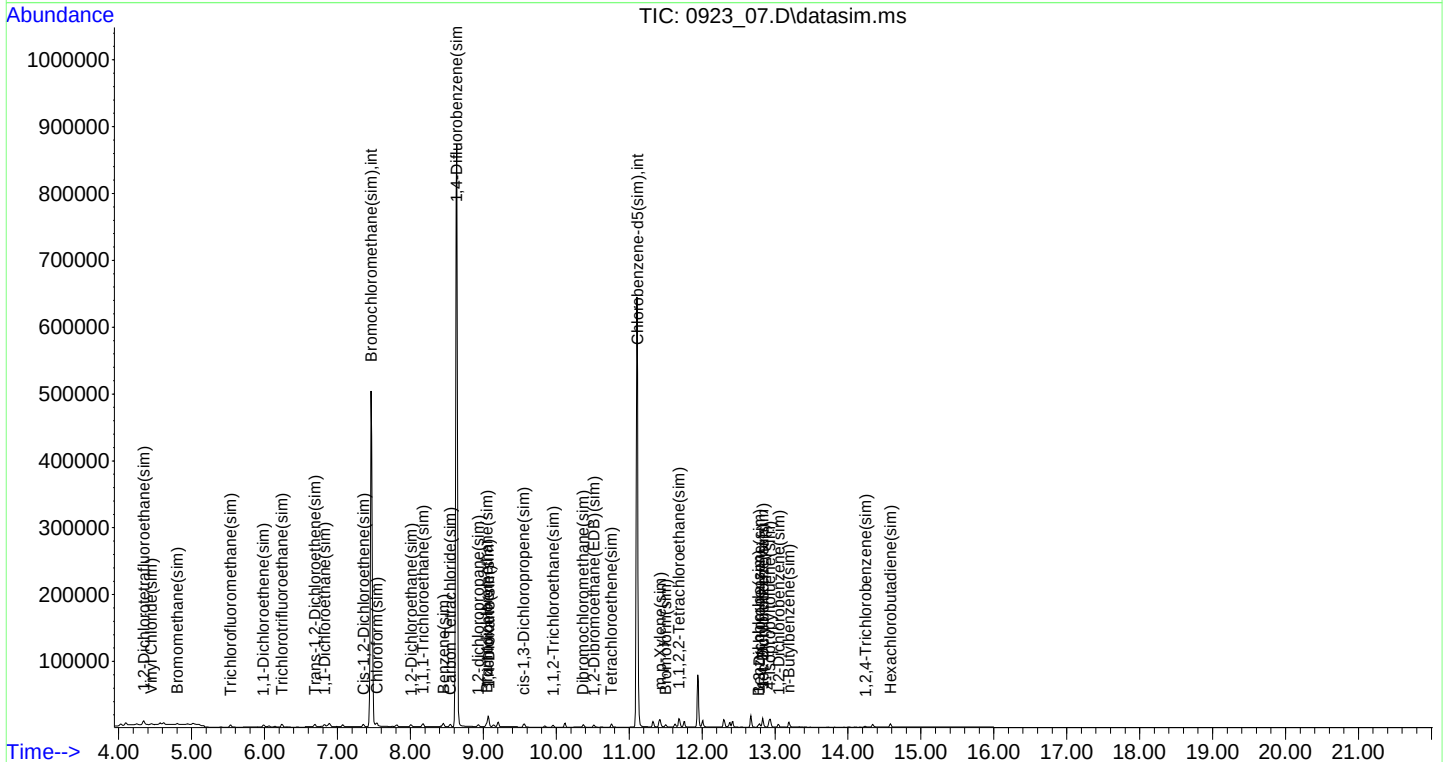
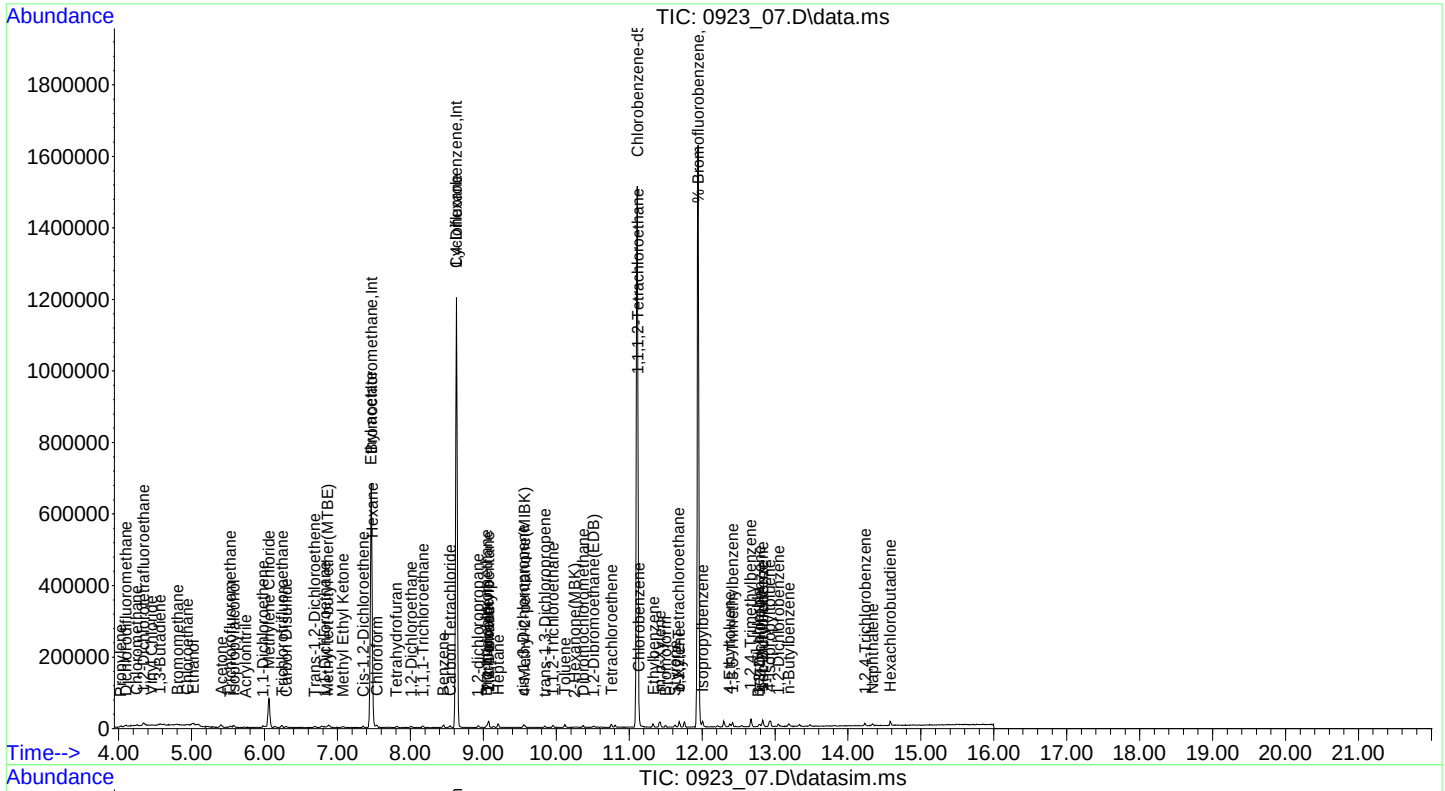
Quant Time: Sep 24 13:54:06 2025
Quant Method : H:\AIR2025\CHEM24\Methods\24_AIR_0923.M
Quant Title : VOA Standards for 5 point calibration
QLast Update : Fri Sep 19 11:16:14 2025
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
112]	sec-Butylbenzene(sim)	12.833	105	8301	0.048	ppbv	94
113]	4-Isopropyltoluene(sim)	12.923	119	6988	0.052	ppbv	94
114]	1,2-Dichlorobenzene(sim)	13.051	146	3149	0.050	ppbv	93
115]	n-Butylbenzene(sim)	13.188	91	5347	0.048	ppbv	91
116]	1,2,4-Trichlorobenzene...	14.240	180	1083	0.076	ppbv	98
118]	Hexachlorobutadiene(sim)	14.582	225	2776	0.023	ppbv	97

(#)out of range (m>manual integration reviewed by analyst (+)signals summed

Data Path : H:\AIR2025\CHEM24\09SEP\23\
Data File : 0923_07.D
Acq On : 23 Sep 2025 2:18 pm
Operator : Keith
Client ID : ICAL 0.05
Lab ID : 0.05 ppb ; T01515
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Sep 24 13:54:06 2025
Quant Method : H:\AIR2025\CHEM24\Methods\24_AIR_0923.M
Quant Title : VOA Standards for 5 point calibration
QLast Update : Fri Sep 19 11:16:14 2025
Response via : Initial Calibration



Quantitation Report (RF) (QT Reviewed)

Data Path : H:\AIR2025\CHEM24\09SEP\23\
 Data File : 0923_08.D
 Acq On : 23 Sep 2025 3:23 pm
 Operator : Keith
 Client ID : ICAL 0.1
 Lab ID : 0.10 ppb ; T01515
 ALS Vial : 7 Sample Multiplier: 1

Quant Time: Sep 24 13:47:25 2025
 Quant Method : H:\AIR2025\CHEM24\Methods\24_AIR_0923.M
 Quant Title : VOA Standards for 5 point calibration
 QLast Update : Fri Sep 19 11:16:14 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	7.467	130	188673	10.000	ng	0.00
36) 1,4-Difluorobenzene	8.632	114	756824	10.000	ng	0.00
53) Chlorobenzene-d5	11.111	82	425491	10.000	ng	0.00
80) Bromochloromethane(sim)	7.470	130	207586	10.000	ng	# 0.00
95) 1,4-Difluorobenzene(sim)	8.632	114	756824	10.000	ng	0.00
105) Chlorobenzene-d5(sim)	11.111	82	425491	10.000	ng	0.00
System Monitoring Compounds						
62) % Bromofluorobenzene	11.945	95	521685	10.421	ppbv	0.00
Spiked Amount	10.000	Range	70 - 130	Recovery	=	104.20%
Target Compounds						
					Qvalue	
2) Propylene	4.037	41	3409	0.114	ppbv#	64
3) Dichlorodifluoromethane	4.096	85	7389	0.103	ppbv	94
4) Chloromethane	4.253	50	3785	0.117	ppbv	95
5) 1,2-Dichlorotetrafluor...	4.344	85	7235	0.097	ppbv#	64
6) Vinyl Chloride	4.452	62	3482	0.105	ppbv	90
7) 1,3-Butadiene	4.576	54	2771	0.107	ppbv#	93
8) Bromomethane	4.800	94	3384	0.124	ppbv#	96
9) Chloroethane	4.941	64	1718	0.109	ppbv#	79
11) Ethanol	5.033	45	4593	0.403	ppbv#	54
12) Acetone	5.407	43	7887	0.146	ppbv#	88
13) Trichlorofluoromethane	5.535	101	6387	0.097	ppbv#	94
14) Isopropylalcohol	5.578	45	6524	0.103	ppbv#	76
15) Acrylonitrile	5.731	53	2437	0.118	ppbv	90
16) 1,1-Dichloroethene	5.987	61	5129	0.099	ppbv	92
17) Methylene Chloride	6.064	49	5237	0.124	ppbv	95
20) Carbon Disulfide	6.297	76	8271	0.094	ppbv	100
21) Trichlorotrifluoroethane	6.237	101	5312	0.095	ppbv#	76
22) Trans-1,2-Dichloroethene	6.696	61	4708	0.100	ppbv	94
23) 1,1-Dichloroethane	6.826	63	5742	0.096	ppbv	92
24) Methyl tert-butyl ethe...	6.867	73	8688	0.103	ppbv#	88
25) Methyl Ethyl Ketone	7.069	43	7711	0.101	ppbv#	94
26) Cis-1,2-Dichloroethene	7.353	61	4848	0.105	ppbv	93
27) Hexane	7.475	57	5071	0.099	ppbv#	85
28) Chloroform	7.540	83	6041	0.095	ppbv	95
29) Ethyl acetate	7.467	61	856	0.077	ppbv#	51
30) Tetrahydrofuran	7.807	42	4115	0.106	ppbv	97
31) 1,2-Dichloroethane	8.010	62	4281	0.100	ppbv	97
32) 1,1,1-Trichloroethane	8.172	97	5709	0.098	ppbv	95
33) Benzene	8.450	78	11241	0.108	ppbv#	89
34) Carbon Tetrachloride	8.545	117	4677	0.085	ppbv	97
35) Cyclohexane	8.623	84	4949	0.133	ppbv#	75
37) 1,2-dichloropropane	8.935	63	4068	0.102	ppbv#	81
38) Bromodichloromethane	9.047	83	6409	0.090	ppbv	93
39) Trichloroethene	9.065	130	3397	0.097	ppbv	95
40) 2,2,4-trimethylpentane	9.073	57	16390	0.098	ppbv	94
41) 1,4-Dioxane	9.073	88	1153	0.063	ppbv#	84
43) Heptane	9.203	43	7317	0.103	ppbv#	88
44) cis-1,3-Dichloropropene	9.556	75	5715	0.092	ppbv	89
45) 4-Methyl-2-pentanone(M...	9.563	43	8014	0.088	ppbv#	90
46) trans-1,3-Dichloropropene	9.844	75	4250	0.089	ppbv#	86
47) 1,1,2-Trichloroethane	9.957	97	3305	0.092	ppbv	93
48) Toluene	10.119	91	9505	0.093	ppbv#	95

Quantitation Report (RF) (QT Reviewed)

Data Path : H:\AIR2025\CHEM24\09SEP\23\
 Data File : 0923_08.D
 Acq On : 23 Sep 2025 3:23 pm
 Operator : Keith
 Client ID : ICAL 0.1
 Lab ID : 0.10 ppb ; T01515
 ALS Vial : 7 Sample Multiplier: 1

Quant Time: Sep 24 13:47:25 2025
 Quant Method : H:\AIR2025\CHEM24\Methods\24_AIR_0923.M
 Quant Title : VOA Standards for 5 point calibration
 QLast Update : Fri Sep 19 11:16:14 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
49) Dibromochloromethane	10.372	129	5458	0.091	ppbv	97
50) 2-Hexanone(MBK)	10.252	43	3182	0.042	ppbv#	79
51) 1,2-Dibromoethane(EDB)	10.513	107	5298	0.092	ppbv	93
52) Tetrachloroethene	10.759	166	4023	0.100	ppbv	96
54) 1,1,1,2-Tetrachloroethane	11.119	131	3346	0.088	ppbv	87
55) Chlorobenzene	11.134	112	7470	0.105	ppbv#	13
56) Ethylbenzene	11.323	91	12212	0.100	ppbv	91
57) m, p-Xylene	11.422	91	18546	0.206	ppbv	92
58) Bromoform	11.505	173	3831	0.078	ppbv	97
59) Styrene	11.627	104	5970	0.089	ppbv#	91
60) 1,1,2,2-Tetrachloroethane	11.687	83	8069	0.097	ppbv#	87
61) o-Xylene	11.687	91	9872	0.100	ppbv	90
64) Isopropylbenzene	12.006	105	12515	0.100	ppbv#	94
66) 4-Ethyltoluene	12.379	105	12110	0.095	ppbv#	90
67) 1,3,5-Trimethylbenzene	12.418	105	9769	0.097	ppbv#	92
68) 1,2,4-Trimethylbenzene	12.675	105	9369	0.088	ppbv#	95
70) Benzyl chloride	12.776	91	4370	0.056	ppbv#	87
71) 1,3-Dichlorobenzene	12.791	146	5141	0.083	ppbv	95
72) 1,4-Dichlorobenzene	12.830	146	4635	0.080	ppbv	95
73) sec-Butylbenzene	12.838	105	15314	0.098	ppbv#	92
74) 4-Isopropyltoluene	12.923	119	11992	0.089	ppbv#	90
75) 1,2-Dichlorobenzene	13.048	146	4567	0.079	ppbv#	91
76) n-Butylbenzene	13.188	91	8739	0.071	ppbv#	89
77) 1,2,4-Trichlorobenzene	14.245	180	886	0.017	ppbv#	86
78) Naphthalene	14.346	128	5157	0.063	ppbv#	84
79) Hexachlorobutadiene	14.587	225	3913	0.097	ppbv	91
81] 1,2-Dichlorotetrafluor...	4.344	85	7235	0.094	ppbv#	64
82] Vinyl Chloride(sim)	4.455	62	3536	0.097	ppbv	98
83] Bromomethane(sim)	4.800	94	3384	0.108	ppbv#	95
84] Trichlorofluoromethane...	5.532	101	7112	0.099	ppbv#	98
85] 1,2-Dichloroethane(sim)	8.010	62	4281	0.096	ppbv	97
86] 1,1,1-Trichloroethane(...	8.175	97	6250	0.097	ppbv#	96
87] Benzene(sim)	8.450	78	11241	0.101	ppbv#	89
88] Carbon Tetrachloride(sim)	8.548	117	5349	0.099	ppbv	99
89] 1,1-Dichloroethene(sim)	5.987	61	5129	0.097	ppbv	92
90] Trichlorotrifluoroetha...	6.240	101	5914	0.098	ppbv#	87
91] Trans-1,2-Dichloroethe...	6.696	61	4708	0.098	ppbv	94
92] 1,1-Dichloroethane(sim)	6.821	63	6243	0.097	ppbv	96
93] Cis-1,2-Dichloroethene...	7.353	61	4848	0.101	ppbv	93
94] Chloroform(sim)	7.543	83	6682	0.097	ppbv	98
96] 1,2-dichloropropane(sim)	8.929	63	4180	0.097	ppbv#	90
97] Bromodichloromethane(sim)	9.047	83	6409	0.094	ppbv	97
98] Trichloroethene(sim)	9.067	130	3699	0.097	ppbv#	88
99] 1,4-Dioxane(sim)	9.073	88	1153	0.071	ppbv#	84
100] cis-1,3-Dichloropropen...	9.551	75	6092	0.097	ppbv#	93
101] 1,1,2-Trichloroethane(...	9.957	97	3305	0.093	ppbv	93
102] Dibromochloromethane(sim)	10.375	129	5781	0.096	ppbv	98
103] 1,2-Dibromoethane(EDB)...	10.513	107	5298	0.097	ppbv	93
104] Tetrachloroethene(sim)	10.762	166	4339	0.096	ppbv	98
106] Bromoform(sim)	11.501	173	4711	0.095	ppbv	99
107] m, p-Xylene(sim)	11.422	91	18546	0.183	ppbv#	92
108] 1,1,2,2-Tetrachloroeth...	11.683	83	8675	0.094	ppbv#	98
109] Benzyl chloride(sim)	12.776	91	4370	0.058	ppbv	87
110] 1,3-Dichlorobenzene(sim)	12.786	146	5597	0.088	ppbv	96
111] 1,4-Dichlorobenzene(sim)	12.830	146	4635	0.084	ppbv	95

Quantitation Report (RF) (QT Reviewed)

Data Path : H:\AIR2025\CHEM24\09SEP\23\
Data File : 0923_08.D
Acq On : 23 Sep 2025 3:23 pm
Operator : Keith
Client ID : ICAL 0.1
Lab ID : 0.10 ppb ; T01515
ALS Vial : 7 Sample Multiplier: 1

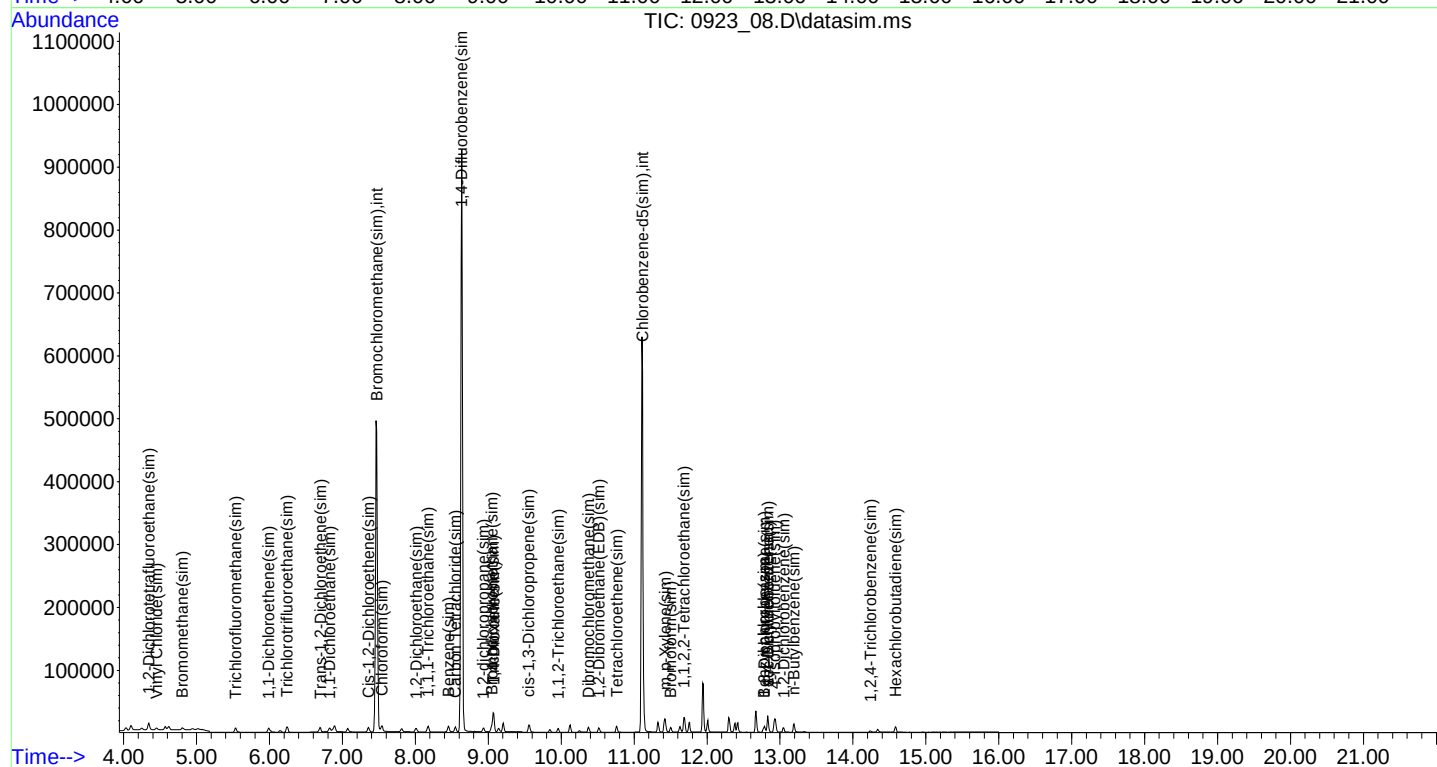
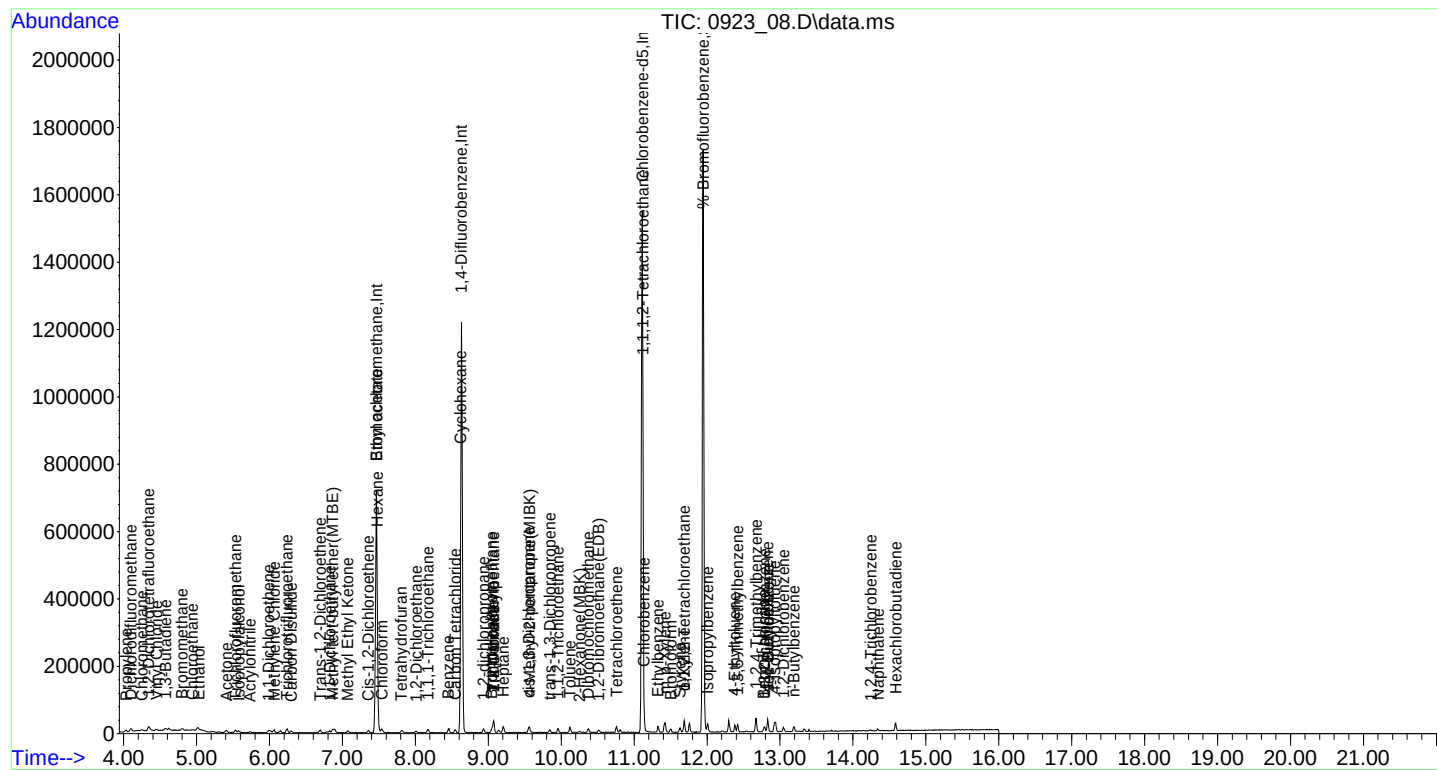
Quant Time: Sep 24 13:47:25 2025
Quant Method : H:\AIR2025\CHEM24\Methods\24_AIR_0923.M
Quant Title : VOA Standards for 5 point calibration
QLast Update : Fri Sep 19 11:16:14 2025
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
112]	sec-Butylbenzene(sim)	12.833	105	16149	0.092	ppbv	93
113]	4-Isopropyltoluene(sim)	12.923	119	11992	0.088	ppbv#	90
114]	1,2-Dichlorobenzene(sim)	13.051	146	5430	0.085	ppbv	96
115]	n-Butylbenzene(sim)	13.188	91	8739	0.078	ppbv	89
116]	1,2,4-Trichlorobenzene...	14.240	180	1489	0.094	ppbv	98
118]	Hexachlorobutadiene(sim)	14.582	225	4940	0.040	ppbv	98

(#)out of range (m)manual integration reviewed by analyst (+)signals summed

Data Path : H:\AIR2025\CHEM24\09SEP\23\
Data File : 0923_08.D
Acq On : 23 Sep 2025 3:23 pm
Operator : Keith
Client ID : ICAL 0.1
Lab ID : 0.10 ppb ; T01515
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Sep 24 13:47:25 2025
Quant Method : H:\AIR2025\CHEM24\Methods\24_AIR_0923.M
Quant Title : VOA Standards for 5 point calibration
QLast Update : Fri Sep 19 11:16:14 2025
Response via : Initial Calibration



Quantitation Report (RF) (QT Reviewed)

Data Path : H:\AIR2025\CHEM24\09SEP\23\
 Data File : 0923_09.D
 Acq On : 23 Sep 2025 3:59 pm
 Operator : Keith
 Client ID : ICAL 0.2
 Lab ID : 0.20 ppb ; T01515
 ALS Vial : 8 Sample Multiplier: 1

Quant Time: Sep 24 13:47:32 2025
 Quant Method : H:\AIR2025\CHEM24\Methods\24_AIR_0923.M
 Quant Title : VOA Standards for 5 point calibration
 QLast Update : Fri Sep 19 11:16:14 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	7.467	130	186698	10.000	ng	0.00
36) 1,4-Difluorobenzene	8.632	114	731132	10.000	ng	0.00
53) Chlorobenzene-d5	11.109	82	422910	10.000	ng	0.00
80) Bromochloromethane(sim)	7.462	130	204409	10.000	ng	# 0.00
95) 1,4-Difluorobenzene(sim)	8.632	114	731132	10.000	ng	0.00
105) Chlorobenzene-d5(sim)	11.109	82	422910	10.000	ng	0.00
System Monitoring Compounds						
62) % Bromofluorobenzene	11.943	95	509742	10.245	ppbv	0.00
Spiked Amount	10.000	Range	70 - 130	Recovery	=	102.40%
Target Compounds						
					Qvalue	
2) Propylene	4.029	41	8012	0.270	ppbv	94
3) Dichlorodifluoromethane	4.095	85	14151	0.200	ppbv	98
4) Chloromethane	4.245	50	7214	0.226	ppbv	96
5) 1,2-Dichlorotetrafluor...	4.344	85	14717	0.199	ppbv#	65
6) Vinyl Chloride	4.452	62	6797	0.206	ppbv	96
7) 1,3-Butadiene	4.568	54	5314	0.207	ppbv	94
8) Bromomethane	4.800	94	5533	0.205	ppbv	90
9) Chloroethane	4.941	64	3286	0.211	ppbv	93
11) Ethanol	5.016	45	2741	0.243	ppbv	94
12) Acetone	5.400	43	12993	0.244	ppbv	92
13) Trichlorofluoromethane	5.529	101	13096	0.200	ppbv#	96
14) Isopropylalcohol	5.578	45	12026	0.192	ppbv#	83
15) Acrylonitrile	5.731	53	4525	0.221	ppbv	98
16) 1,1-Dichloroethene	5.987	61	10393	0.203	ppbv	91
17) Methylene Chloride	6.064	49	9351	0.223	ppbv	95
20) Carbon Disulfide	6.297	76	17777	0.203	ppbv	98
21) Trichlorotrifluoroethane	6.237	101	10541	0.191	ppbv#	80
22) Trans-1,2-Dichloroethene	6.688	61	9087	0.195	ppbv	99
23) 1,1-Dichloroethane	6.826	63	11321	0.191	ppbv	97
24) Methyl tert-butyl ethe...	6.859	73	17535	0.211	ppbv#	87
25) Methyl Ethyl Ketone	7.069	43	15062	0.200	ppbv#	96
26) Cis-1,2-Dichloroethene	7.353	61	9089	0.198	ppbv	96
27) Hexane	7.475	57	9978	0.197	ppbv#	88
28) Chloroform	7.540	83	12696	0.201	ppbv	99
29) Ethyl acetate	7.467	61	1861	0.169	ppbv#	81
30) Tetrahydrofuran	7.807	42	7205	0.187	ppbv	91
31) 1,2-Dichloroethane	8.010	62	8275	0.195	ppbv	96
32) 1,1,1-Trichloroethane	8.172	97	11142	0.193	ppbv#	94
33) Benzene	8.450	78	21140	0.205	ppbv	97
34) Carbon Tetrachloride	8.545	117	9784	0.180	ppbv	98
35) Cyclohexane	8.623	84	7797	0.212	ppbv	89
37) 1,2-dichloropropane	8.935	63	7652	0.199	ppbv#	85
38) Bromodichloromethane	9.047	83	13296	0.193	ppbv	95
39) Trichloroethene	9.064	130	6500	0.193	ppbv#	91
40) 2,2,4-trimethylpentane	9.073	57	32456	0.201	ppbv	92
41) 1,4-Dioxane	9.064	88	2834	0.160	ppbv#	91
43) Heptane	9.203	43	13737	0.200	ppbv#	90
44) cis-1,3-Dichloropropene	9.554	75	11369	0.190	ppbv	92
45) 4-Methyl-2-pentanone(M...	9.561	43	16853	0.191	ppbv	98
46) trans-1,3-Dichloropropene	9.842	75	8602	0.187	ppbv#	88
47) 1,1,2-Trichloroethane	9.955	97	6733	0.194	ppbv	90
48) Toluene	10.117	91	19045	0.192	ppbv	99

Quantitation Report (RF) (QT Reviewed)

Data Path : H:\AIR2025\CHEM24\09SEP\23\
 Data File : 0923_09.D
 Acq On : 23 Sep 2025 3:59 pm
 Operator : Keith
 Client ID : ICAL 0.2
 Lab ID : 0.20 ppb ; T01515
 ALS Vial : 8 Sample Multiplier: 1

Quant Time: Sep 24 13:47:32 2025
 Quant Method : H:\AIR2025\CHEM24\Methods\24_AIR_0923.M
 Quant Title : VOA Standards for 5 point calibration
 QLast Update : Fri Sep 19 11:16:14 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
49) Dibromochloromethane	10.370	129	10422	0.179	ppbv	97
50) 2-Hexanone(MBK)	10.237	43	9188	0.125	ppbv#	89
51) 1,2-Dibromoethane(EDB)	10.511	107	10496	0.189	ppbv	95
52) Tetrachloroethene	10.757	166	7596	0.195	ppbv	96
54) 1,1,1,2-Tetrachloroethane	11.117	131	7617	0.201	ppbv	99
55) Chlorobenzene	11.132	112	14430	0.204	ppbv#	47
56) Ethylbenzene	11.329	91	24775	0.205	ppbv	92
57) m,p-Xylene	11.420	91	37417	0.417	ppbv	93
58) Bromoform	11.504	173	8447	0.174	ppbv	98
59) Styrene	11.625	104	12440	0.187	ppbv#	86
60) 1,1,2,2-Tetrachloroethane	11.678	83	15976	0.193	ppbv#	85
61) o-Xylene	11.686	91	19364	0.196	ppbv	91
64) Isopropylbenzene	12.004	105	25107	0.201	ppbv#	95
66) 4-Ethyltoluene	12.377	105	23987	0.189	ppbv#	92
67) 1,3,5-Trimethylbenzene	12.416	105	19982	0.200	ppbv#	91
68) 1,2,4-Trimethylbenzene	12.673	105	19633	0.185	ppbv#	93
70) Benzyl chloride	12.766	91	9307	0.120	ppbv#	93
71) 1,3-Dichlorobenzene	12.789	146	10714	0.175	ppbv	95
72) 1,4-Dichlorobenzene	12.828	146	9672	0.167	ppbv	94
73) sec-Butylbenzene	12.836	105	30889	0.198	ppbv#	94
74) 4-Isopropyltoluene	12.921	119	25117	0.188	ppbv#	91
75) 1,2-Dichlorobenzene	13.046	146	10452	0.183	ppbv	91
76) n-Butylbenzene	13.186	91	19437	0.159	ppbv#	92
77) 1,2,4-Trichlorobenzene	14.235	180	2137	0.042	ppbv	93
78) Naphthalene	14.336	128	9016	0.112	ppbv#	97
79) Hexachlorobutadiene	14.585	225	7807	0.195	ppbv	98
81] 1,2-Dichlorotetrafluor...	4.344	85	14717	0.194	ppbv#	65
82] Vinyl Chloride(sim)	4.447	62	7017	0.196	ppbv	95
83] Bromomethane(sim)	4.800	94	5533	0.179	ppbv	90
84] Trichlorofluoromethane...	5.532	101	14144	0.199	ppbv#	98
85] 1,2-Dichloroethane(sim)	8.010	62	8275	0.188	ppbv	96
86] 1,1,1-Trichloroethane(...	8.175	97	12464	0.197	ppbv#	96
87] Benzene(sim)	8.450	78	21140	0.193	ppbv	97
88] Carbon Tetrachloride(sim)	8.548	117	10643	0.201	ppbv	98
89] 1,1-Dichloroethene(sim)	5.987	61	10393	0.199	ppbv	91
90] Trichlorotrifluoroetha...	6.240	101	11780	0.199	ppbv#	87
91] Trans-1,2-Dichloroethe...	6.688	61	9087	0.193	ppbv	99
92] 1,1-Dichloroethane(sim)	6.821	63	12634	0.200	ppbv	97
93] Cis-1,2-Dichloroethene...	7.353	61	9089	0.193	ppbv	96
94] Chloroform(sim)	7.543	83	13547	0.200	ppbv	98
96] 1,2-dichloropropane(sim)	8.929	63	8334	0.199	ppbv#	91
97] Bromodichloromethane(sim)	9.047	83	13296	0.202	ppbv	98
98] Trichloroethene(sim)	9.067	130	7238	0.195	ppbv#	88
99] 1,4-Dioxane(sim)	9.064	88	2834	0.180	ppbv#	91
100] cis-1,3-Dichloropropen...	9.550	75	12232	0.202	ppbv#	94
101] 1,1,2-Trichloroethane(...	9.955	97	6733	0.196	ppbv	90
102] Dibromochloromethane(sim)	10.373	129	11748	0.203	ppbv	99
103] 1,2-Dibromoethane(EDB)...	10.511	107	10496	0.198	ppbv	95
104] Tetrachloroethene(sim)	10.760	166	8670	0.199	ppbv	99
106] Bromoform(sim)	11.499	173	9474	0.192	ppbv	99
107] m,p-Xylene(sim)	11.420	91	37417	0.370	ppbv	93
108] 1,1,2,2-Tetrachloroeth...	11.681	83	17415	0.190	ppbv#	98
109] Benzyl chloride(sim)	12.766	91	9307	0.123	ppbv	93
110] 1,3-Dichlorobenzene(sim)	12.784	146	11934	0.189	ppbv	96
111] 1,4-Dichlorobenzene(sim)	12.828	146	9672	0.177	ppbv	94

Data Path : H:\AIR2025\CHEM24\09SEP\23\
 Data File : 0923_09.D
 Acq On : 23 Sep 2025 3:59 pm
 Operator : Keith
 Client ID : ICAL 0.2
 Lab ID : 0.20 ppb ; T01515
 ALS Vial : 8 Sample Multiplier: 1

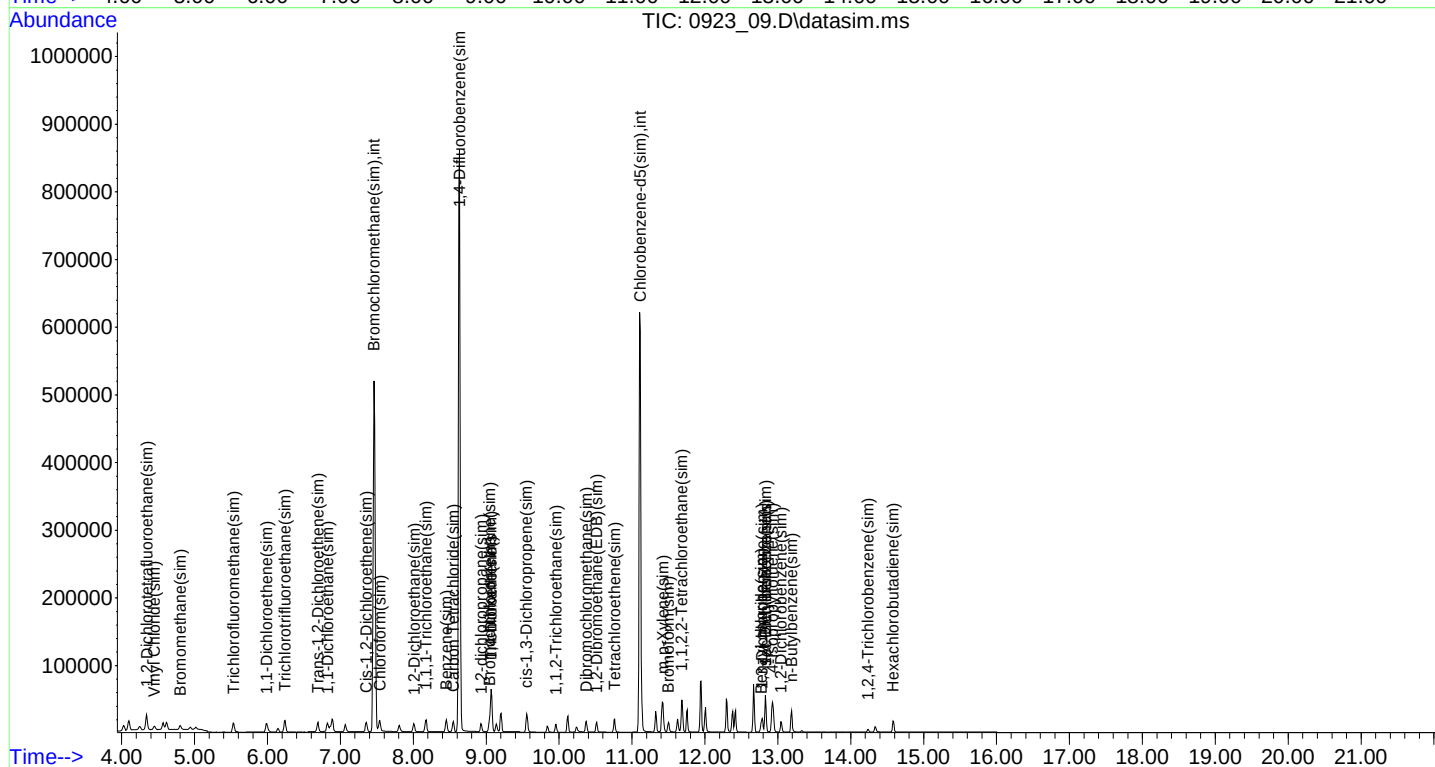
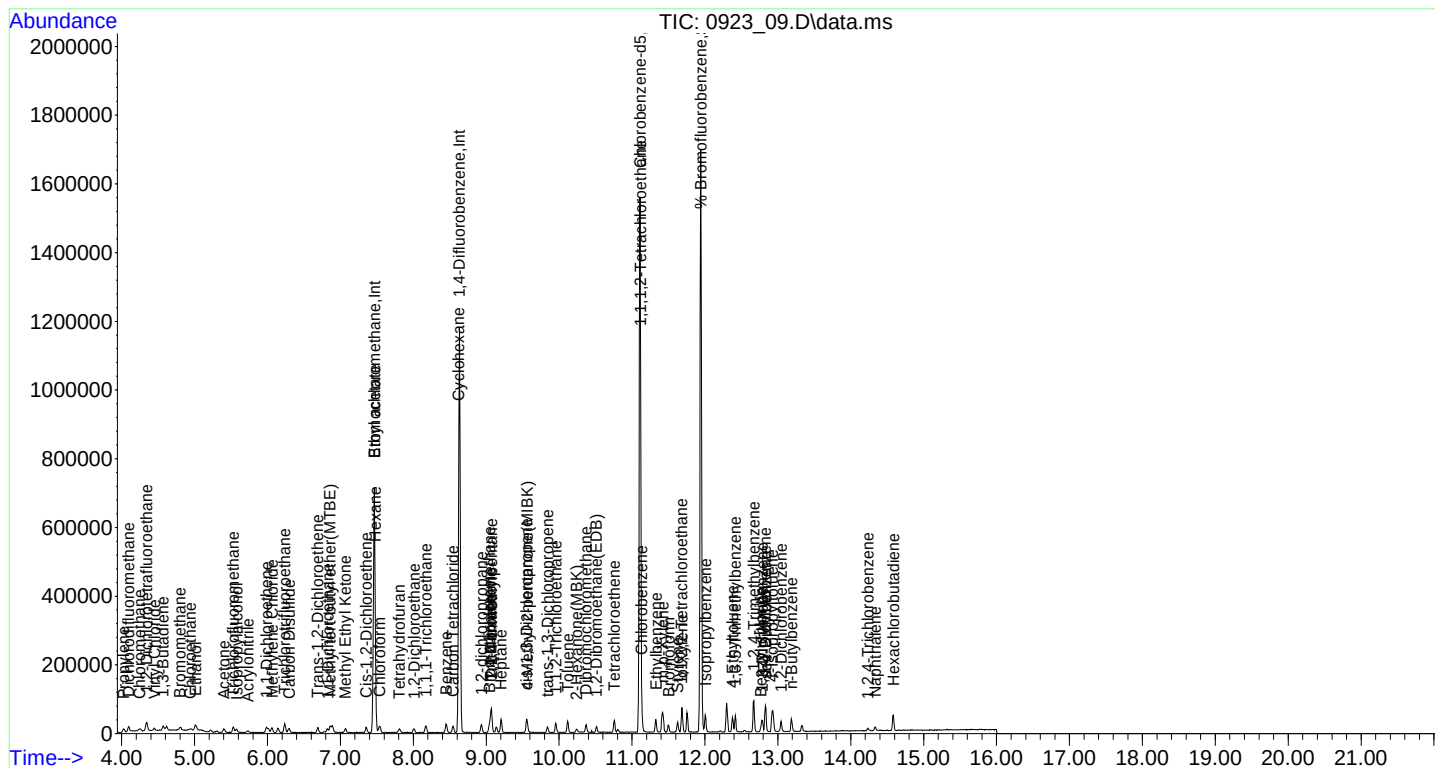
Quant Time: Sep 24 13:47:32 2025
 Quant Method : H:\AIR2025\CHEM24\Methods\24_AIR_0923.M
 Quant Title : VOA Standards for 5 point calibration
 QLast Update : Fri Sep 19 11:16:14 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
112] sec-Butylbenzene(sim)	12.831	105	33156	0.190	ppbv	93
113] 4-Isopropyltoluene(sim)	12.921	119	25117	0.186	ppbv#	91
114] 1,2-Dichlorobenzene(sim)	13.041	146	11275	0.178	ppbv	95
115] n-Butylbenzene(sim)	13.186	91	19437	0.174	ppbv	92
116] 1,2,4-Trichlorobenzene...	14.238	180	2879	0.144	ppbv	98
118] Hexachlorobutadiene(sim)	14.580	225	9471	0.078	ppbv	97

(#)out of range (m)manual integration reviewed by analyst (+)signals summed

Data Path : H:\AIR2025\CHEM24\09SEP\23\
Data File : 0923_09.D
Acq On : 23 Sep 2025 3:59 pm
Operator : Keith
Client ID : ICAL 0.2
Lab ID : 0.20 ppb ; T01515
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Sep 24 13:47:32 2025
Quant Method : H:\AIR2025\CHEM24\Methods\24_AIR_0923.M
Quant Title : VOA Standards for 5 point calibration
QLast Update : Fri Sep 19 11:16:14 2025
Response via : Initial Calibration



Quantitation Report (RF) (QT Reviewed)

Data Path : H:\AIR2025\CHEM24\09SEP\23\
 Data File : 0923_10.D
 Acq On : 23 Sep 2025 4:36 pm
 Operator : Keith
 Client ID : ICAL 0.5
 Lab ID : 0.50 ppb ; T01515
 ALS Vial : 9 Sample Multiplier: 1

Quant Time: Sep 24 13:47:37 2025
 Quant Method : H:\AIR2025\CHEM24\Methods\24_AIR_0923.M
 Quant Title : VOA Standards for 5 point calibration
 QLast Update : Fri Sep 19 11:16:14 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	7.467	130	193779	10.000	ng	0.00
36) 1,4-Difluorobenzene	8.632	114	768981	10.000	ng	0.00
53) Chlorobenzene-d5	11.109	82	440009	10.000	ng	0.00
80) Bromochloromethane(sim)	7.462	130	212193	10.000	ng	# 0.00
95) 1,4-Difluorobenzene(sim)	8.632	114	768981	10.000	ng	0.00
105) Chlorobenzene-d5(sim)	11.109	82	440009	10.000	ng	0.00

System Monitoring Compounds

62) % Bromofluorobenzene	11.944	95	530770	10.253	ppbv	0.00
Spiked Amount	10.000	Range 70 - 130	Recovery	=	102.50%	

Target Compounds

						Qvalue
2) Propylene	4.021	41	15821	0.514	ppbv	95
3) Dichlorodifluoromethane	4.095	85	35209	0.480	ppbv	96
4) Chloromethane	4.245	50	16799	0.506	ppbv	97
5) 1,2-Dichlorotetrafluor...	4.336	85	36338	0.473	ppbv#	66
6) Vinyl Chloride	4.452	62	16028	0.469	ppbv	90
7) 1,3-Butadiene	4.568	54	13200	0.494	ppbv	96
8) Bromomethane	4.800	94	14002	0.499	ppbv	98
9) Chloroethane	4.941	64	8213	0.507	ppbv	90
11) Ethanol	5.016	45	9210	0.787	ppbv#	78
12) Acetone	5.400	43	28340	0.512	ppbv	97
13) Trichlorofluoromethane	5.529	101	32191	0.474	ppbv#	99
14) Isopropylalcohol	5.572	45	29296	0.452	ppbv#	92
15) Acrylonitrile	5.731	53	10623	0.501	ppbv	96
16) 1,1-Dichloroethene	5.987	61	25544	0.480	ppbv	94
17) Methylene Chloride	6.058	49	21989	0.506	ppbv	96
20) Carbon Disulfide	6.297	76	43197	0.476	ppbv	99
21) Trichlorotrifluoroethane	6.237	101	27418	0.479	ppbv#	76
22) Trans-1,2-Dichloroethene	6.688	61	23015	0.475	ppbv	98
23) 1,1-Dichloroethane	6.826	63	29096	0.473	ppbv	96
24) Methyl tert-butyl ethe...	6.859	73	40765	0.472	ppbv	92
25) Methyl Ethyl Ketone	7.061	43	36076	0.462	ppbv#	95
26) Cis-1,2-Dichloroethene	7.353	61	22456	0.472	ppbv	95
27) Hexane	7.475	57	25242	0.479	ppbv#	91
28) Chloroform	7.540	83	31376	0.479	ppbv	98
29) Ethyl acetate	7.459	61	5217	0.455	ppbv#	78
30) Tetrahydrofuran	7.807	42	18637	0.466	ppbv#	92
31) 1,2-Dichloroethane	8.010	62	21654	0.493	ppbv	99
32) 1,1,1-Trichloroethane	8.172	97	28437	0.476	ppbv	94
33) Benzene	8.450	78	52489	0.490	ppbv	97
34) Carbon Tetrachloride	8.545	117	24595	0.437	ppbv	97
35) Cyclohexane	8.623	84	18557	0.487	ppbv	93
37) 1,2-dichloropropane	8.935	63	19368	0.479	ppbv#	90
38) Bromodichloromethane	9.047	83	33004	0.457	ppbv	95
39) Trichloroethene	9.064	130	16185	0.456	ppbv#	88
40) 2,2,4-trimethylpentane	9.073	57	81187	0.477	ppbv	94
41) 1,4-Dioxane	9.064	88	7033	0.378	ppbv#	91
43) Heptane	9.203	43	34401	0.476	ppbv#	89
44) cis-1,3-Dichloropropene	9.554	75	28408	0.452	ppbv	90
45) 4-Methyl-2-pentanone(M...	9.561	43	42463	0.456	ppbv	97
46) trans-1,3-Dichloropropene	9.842	75	21021	0.434	ppbv#	91
47) 1,1,2-Trichloroethane	9.955	97	17001	0.465	ppbv	90
48) Toluene	10.117	91	48529	0.466	ppbv	98

Quantitation Report (RF) (QT Reviewed)

Data Path : H:\AIR2025\CHEM24\09SEP\23\
 Data File : 0923_10.D
 Acq On : 23 Sep 2025 4:36 pm
 Operator : Keith
 Client ID : ICAL 0.5
 Lab ID : 0.50 ppb ; T01515
 ALS Vial : 9 Sample Multiplier: 1

Quant Time: Sep 24 13:47:37 2025
 Quant Method : H:\AIR2025\CHEM24\Methods\24_AIR_0923.M
 Quant Title : VOA Standards for 5 point calibration
 QLast Update : Fri Sep 19 11:16:14 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
49) Dibromochloromethane	10.370	129	26447	0.432	ppbv	98
50) 2-Hexanone(MBK)	10.237	43	26546	0.342	ppbv	96
51) 1,2-Dibromoethane(EDB)	10.511	107	26115	0.447	ppbv	99
52) Tetrachloroethene	10.758	166	19444	0.474	ppbv	97
54) 1,1,1,2-Tetrachloroethane	11.117	131	18619	0.471	ppbv	99
55) Chlorobenzene	11.132	112	35799	0.486	ppbv#	72
56) Ethylbenzene	11.322	91	61391	0.487	ppbv	93
57) m,p-Xylene	11.420	91	95081	1.019	ppbv	94
58) Bromoform	11.496	173	22624	0.447	ppbv	98
59) Styrene	11.625	104	31144	0.449	ppbv#	88
60) 1,1,2,2-Tetrachloroethane	11.678	83	42304	0.491	ppbv#	86
61) o-Xylene	11.686	91	50535	0.493	ppbv	91
64) Isopropylbenzene	12.004	105	66101	0.508	ppbv#	94
66) 4-Ethyltoluene	12.377	105	62769	0.476	ppbv#	93
67) 1,3,5-Trimethylbenzene	12.416	105	49202	0.473	ppbv#	92
68) 1,2,4-Trimethylbenzene	12.673	105	52541	0.477	ppbv#	90
70) Benzyl chloride	12.766	91	28385	0.351	ppbv	94
71) 1,3-Dichlorobenzene	12.789	146	28654	0.450	ppbv	97
72) 1,4-Dichlorobenzene	12.828	146	25232	0.419	ppbv	94
73) sec-Butylbenzene	12.828	105	79089	0.488	ppbv#	93
74) 4-Isopropyltoluene	12.921	119	66186	0.477	ppbv#	91
75) 1,2-Dichlorobenzene	13.046	146	27008	0.454	ppbv#	94
76) n-Butylbenzene	13.186	91	56790	0.446	ppbv#	91
77) 1,2,4-Trichlorobenzene	14.235	180	7673	0.144	ppbv	95
78) Naphthalene	14.336	128	24696	0.294	ppbv#	99
79) Hexachlorobutadiene	14.585	225	19706	0.472	ppbv	97
81] 1,2-Dichlorotetrafluor...	4.336	85	36342	0.461	ppbv#	66
82] Vinyl Chloride(sim)	4.447	62	17583	0.473	ppbv	98
83] Bromomethane(sim)	4.800	94	14002	0.436	ppbv	98
84] Trichlorofluoromethane...	5.532	101	35472	0.482	ppbv#	98
85] 1,2-Dichloroethane(sim)	8.010	62	21654	0.475	ppbv	99
86] 1,1,1-Trichloroethane(...	8.175	97	31501	0.480	ppbv#	96
87] Benzene(sim)	8.450	78	52489	0.462	ppbv	97
88] Carbon Tetrachloride(sim)	8.548	117	27764	0.504	ppbv	99
89] 1,1-Dichloroethene(sim)	5.987	61	25544	0.472	ppbv	94
90] Trichlorotrifluoroetha...	6.240	101	29696	0.482	ppbv#	86
91] Trans-1,2-Dichloroethe...	6.688	61	23015	0.470	ppbv	98
92] 1,1-Dichloroethane(sim)	6.821	63	31535	0.481	ppbv	97
93] Cis-1,2-Dichloroethene...	7.353	61	22456	0.460	ppbv	95
94] Chloroform(sim)	7.543	83	33863	0.480	ppbv	100
96] 1,2-dichloropropane(sim)	8.929	63	20884	0.475	ppbv#	92
97] Bromodichloromethane(sim)	9.047	83	33004	0.477	ppbv	97
98] Trichloroethene(sim)	9.067	130	18230	0.468	ppbv#	87
99] 1,4-Dioxane(sim)	9.064	88	7033	0.424	ppbv#	91
100] cis-1,3-Dichloropropen...	9.550	75	30723	0.483	ppbv#	93
101] 1,1,2-Trichloroethane(...	9.955	97	17001	0.470	ppbv	90
102] Dibromochloromethane(sim)	10.373	129	29559	0.485	ppbv	99
103] 1,2-Dibromoethane(EDB)...	10.511	107	26115	0.469	ppbv	99
104] Tetrachloroethene(sim)	10.760	166	21671	0.472	ppbv	98
106] Bromoform(sim)	11.499	173	24388	0.476	ppbv	100
107] m,p-Xylene(sim)	11.420	91	96604	0.919	ppbv	93
108] 1,1,2,2-Tetrachloroeth...	11.681	83	44851	0.469	ppbv#	97
109] Benzyl chloride(sim)	12.766	91	28385	0.356	ppbv	94
110] 1,3-Dichlorobenzene(sim)	12.784	146	33056	0.502	ppbv	96
111] 1,4-Dichlorobenzene(sim)	12.828	146	25232	0.444	ppbv	94

Data Path : H:\AIR2025\CHEM24\09SEP\23\
Data File : 0923_10.D
Acq On : 23 Sep 2025 4:36 pm
Operator : Keith
Client ID : ICAL 0.5
Lab ID : 0.50 ppb ; T01515
ALS Vial : 9 Sample Multiplier: 1

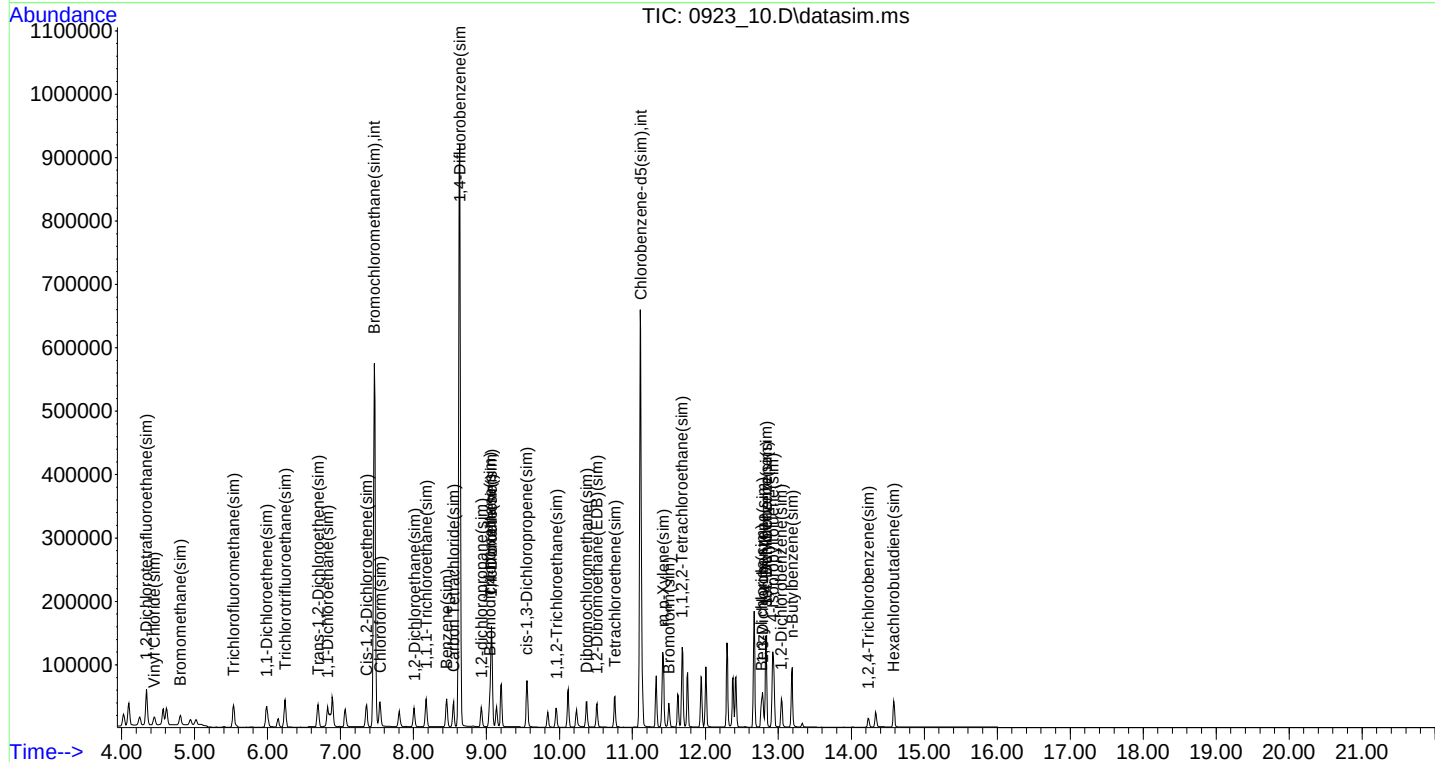
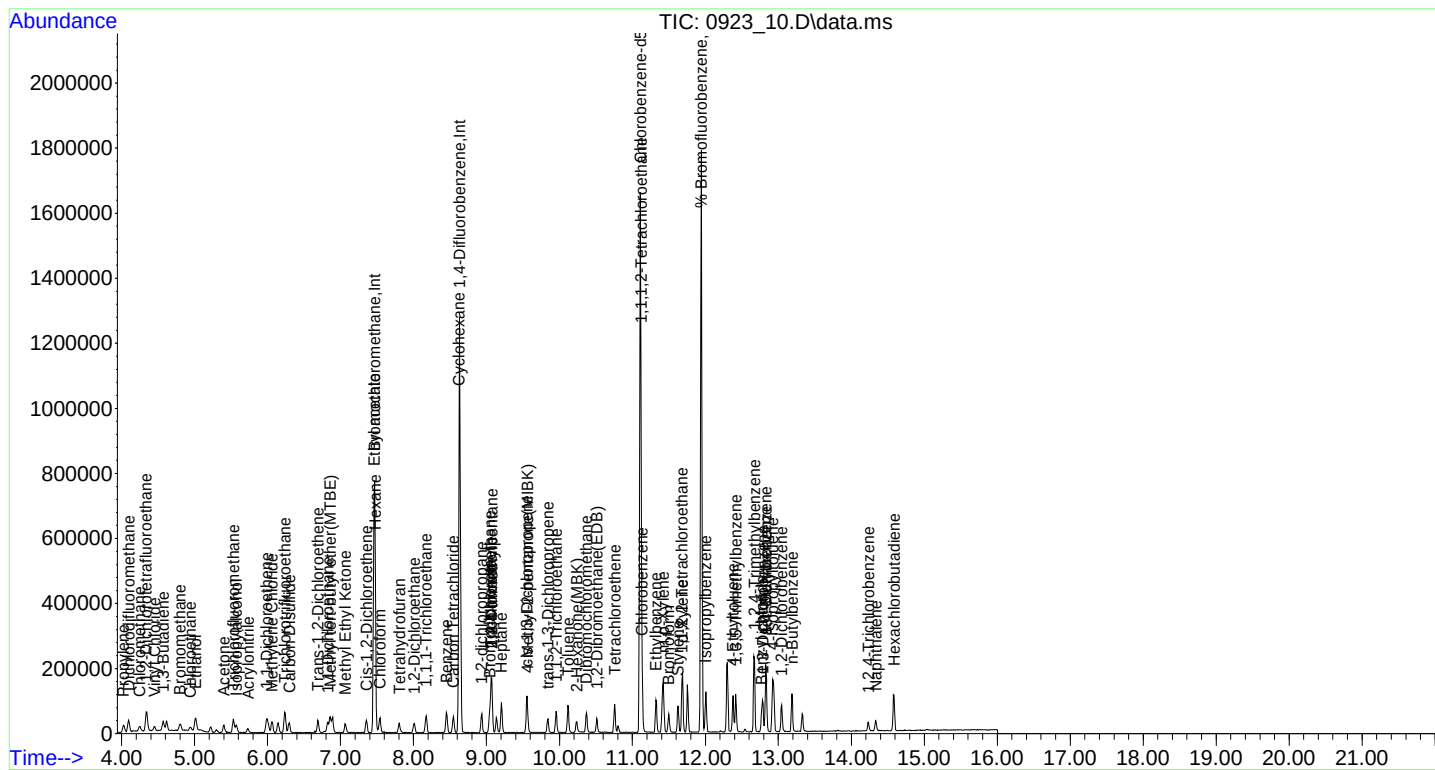
Quant Time: Sep 24 13:47:37 2025
Quant Method : H:\AIR2025\CHEM24\Methods\24_AIR_0923.M
Quant Title : VOA Standards for 5 point calibration
QLast Update : Fri Sep 19 11:16:14 2025
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
112]	sec-Butylbenzene(sim)	12.831	105	86492	0.476	ppbv	93
113]	4-Isopropyltoluene(sim)	12.921	119	66186	0.471	ppbv#	91
114]	1,2-Dichlorobenzene(sim)	13.041	146	30784	0.466	ppbv	96
115]	n-Butylbenzene(sim)	13.186	91	56790	0.488	ppbv	91
116]	1,2,4-Trichlorobenzene...	14.231	180	9376	0.283	ppbv	99
118]	Hexachlorobutadiene(sim)	14.580	225	23239	0.184	ppbv	97

(#)out of range (m)manual integration reviewed by analyst (+)signals summed

Data Path : H:\AIR2025\CHEM24\09SEP\23\
Data File : 0923_10.D
Acq On : 23 Sep 2025 4:36 pm
Operator : Keith
Client ID : ICAL 0.5
Lab ID : 0.50 ppb ; T01515
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Sep 24 13:47:37 2025
Quant Method : H:\AIR2025\CHEM24\Methods\24_AIR_0923.M
Quant Title : VOA Standards for 5 point calibration
QLast Update : Fri Sep 19 11:16:14 2025
Response via : Initial Calibration



Quantitation Report (RF) (QT Reviewed)

Data Path : H:\AIR2025\CHEM24\09SEP\23\
 Data File : 0923_11.D
 Acq On : 23 Sep 2025 5:17 pm
 Operator : Keith
 Client ID : ICAL 2.5
 Lab ID : 2.5 ppb ; T01515
 ALS Vial : 10 Sample Multiplier: 1

Quant Time: Sep 24 13:47:43 2025
 Quant Method : H:\AIR2025\CHEM24\Methods\24_AIR_0923.M
 Quant Title : VOA Standards for 5 point calibration
 QLast Update : Fri Sep 19 11:16:14 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	7.467	130	196627	10.000	ng	0.00
36) 1,4-Difluorobenzene	8.632	114	781663	10.000	ng	0.00
53) Chlorobenzene-d5	11.111	82	457480	10.000	ng	0.00
80) Bromochloromethane(sim)	7.470	130	216833	10.000	ng	# 0.00
95) 1,4-Difluorobenzene(sim)	8.632	114	781663	10.000	ng	0.00
105) Chlorobenzene-d5(sim)	11.111	82	457480	10.000	ng	0.00
System Monitoring Compounds						
62) % Bromofluorobenzene	11.945	95	555863	10.328	ppbv	0.00
Spiked Amount	10.000	Range	70 - 130	Recovery	=	103.30%
Target Compounds						
					Qvalue	
2) Propylene	4.029	41	74412	2.383	ppbv	99
3) Dichlorodifluoromethane	4.096	85	184892	2.484	ppbv	96
4) Chloromethane	4.245	50	84317	2.503	ppbv	99
5) 1,2-Dichlorotetrafluor...	4.336	85	192534	2.468	ppbv#	64
6) Vinyl Chloride	4.452	62	85987	2.480	ppbv	99
7) 1,3-Butadiene	4.568	54	65583	2.421	ppbv	94
8) Bromomethane	4.800	94	69719	2.447	ppbv	98
9) Chloroethane	4.941	64	40292	2.453	ppbv	92
11) Ethanol	5.016	45	29904	2.518	ppbv#	91
12) Acetone	5.394	43	136906	2.440	ppbv	97
13) Trichlorofluoromethane	5.529	101	169397	2.460	ppbv	96
14) Isopropylalcohol	5.560	45	159803	2.429	ppbv	97
15) Acrylonitrile	5.725	53	53562	2.487	ppbv	96
16) 1,1-Dichloroethene	5.987	61	133270	2.467	ppbv	93
17) Methylene Chloride	6.059	49	110332	2.502	ppbv	98
20) Carbon Disulfide	6.297	76	225487	2.449	ppbv	99
21) Trichlorotrifluoroethane	6.237	101	142308	2.448	ppbv#	77
22) Trans-1,2-Dichloroethene	6.688	61	121017	2.463	ppbv	96
23) 1,1-Dichloroethane	6.826	63	155888	2.498	ppbv	97
24) Methyl tert-butyl ethe...	6.851	73	210545	2.402	ppbv	90
25) Methyl Ethyl Ketone	7.053	43	197294	2.491	ppbv	95
26) Cis-1,2-Dichloroethene	7.353	61	119294	2.473	ppbv	96
27) Hexane	7.475	57	132111	2.473	ppbv#	94
28) Chloroform	7.540	83	164678	2.479	ppbv	100
29) Ethyl acetate	7.459	61	30314	2.608	ppbv#	82
30) Tetrahydrofuran	7.791	42	104071	2.566	ppbv#	93
31) 1,2-Dichloroethane	8.010	62	111132	2.491	ppbv	97
32) 1,1,1-Trichloroethane	8.172	97	148523	2.448	ppbv	95
33) Benzene	8.450	78	264370	2.434	ppbv	96
34) Carbon Tetrachloride	8.545	117	141348	2.475	ppbv	98
35) Cyclohexane	8.623	84	92847	2.400	ppbv#	84
37) 1,2-dichloropropane	8.935	63	100638	2.451	ppbv#	95
38) Bromodichloromethane	9.047	83	179116	2.438	ppbv	95
39) Trichloroethene	9.065	130	87748	2.431	ppbv#	92
40) 2,2,4-trimethylpentane	9.073	57	450675	2.605	ppbv	95
41) 1,4-Dioxane	9.056	88	48029	2.540	ppbv	96
43) Heptane	9.203	43	182637	2.488	ppbv#	89
44) cis-1,3-Dichloropropene	9.549	75	152716	2.393	ppbv	90
45) 4-Methyl-2-pentanone(M...	9.549	43	236175	2.498	ppbv	98
46) trans-1,3-Dichloropropene	9.837	75	121860	2.476	ppbv#	89
47) 1,1,2-Trichloroethane	9.957	97	91158	2.451	ppbv	93
48) Toluene	10.119	91	264930	2.504	ppbv	99

Quantitation Report (RF) (QT Reviewed)

Data Path : H:\AIR2025\CHEM24\09SEP\23\
 Data File : 0923_11.D
 Acq On : 23 Sep 2025 5:17 pm
 Operator : Keith
 Client ID : ICAL 2.5
 Lab ID : 2.5 ppb ; T01515
 ALS Vial : 10 Sample Multiplier: 1

Quant Time: Sep 24 13:47:43 2025
 Quant Method : H:\AIR2025\CHEM24\Methods\24_AIR_0923.M
 Quant Title : VOA Standards for 5 point calibration
 QLast Update : Fri Sep 19 11:16:14 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
49) Dibromochloromethane	10.372	129	149967	2.409	ppbv	98
50) 2-Hexanone(MBK)	10.224	43	210019	2.665	ppbv	95
51) 1,2-Dibromoethane(EDB)	10.513	107	144193	2.427	ppbv	98
52) Tetrachloroethene	10.759	166	99852	2.394	ppbv	96
54) 1,1,1,2-Tetrachloroethane	11.119	131	105530	2.568	ppbv	98
55) Chlorobenzene	11.134	112	192551	2.514	ppbv	85
56) Ethylbenzene	11.323	91	349746	2.671	ppbv	92
57) m,p-Xylene	11.422	91	537087	5.535	ppbv	91
58) Bromoform	11.498	173	129481	2.460	ppbv	99
59) Styrene	11.627	104	185723	2.577	ppbv	90
60) 1,1,2,2-Tetrachloroethane	11.680	83	231445	2.585	ppbv#	87
61) o-Xylene	11.687	91	277546	2.603	ppbv	90
64) Isopropylbenzene	12.006	105	362416	2.680	ppbv#	94
66) 4-Ethyltoluene	12.379	105	362279	2.645	ppbv#	95
67) 1,3,5-Trimethylbenzene	12.418	105	302779	2.801	ppbv#	89
68) 1,2,4-Trimethylbenzene	12.667	105	304419	2.656	ppbv#	91
70) Benzyl chloride	12.768	91	225011	2.675	ppbv#	93
71) 1,3-Dichlorobenzene	12.783	146	172660	2.607	ppbv	95
72) 1,4-Dichlorobenzene	12.822	146	158525	2.534	ppbv	97
73) sec-Butylbenzene	12.830	105	473428	2.808	ppbv#	94
74) 4-Isopropyltoluene	12.923	119	395265	2.741	ppbv#	92
75) 1,2-Dichlorobenzene	13.040	146	159271	2.575	ppbv#	94
76) n-Butylbenzene	13.188	91	370823	2.799	ppbv#	90
77) 1,2,4-Trichlorobenzene	14.230	180	63498	1.142	ppbv	97
78) Naphthalene	14.331	128	207948	2.380	ppbv#	99
79) Hexachlorobutadiene	14.579	225	117221	2.702	ppbv	99
81] 1,2-Dichlorotetrafluor...	4.336	85	192370	2.388	ppbv#	64
82] Vinyl Chloride(sim)	4.447	62	92372	2.433	ppbv	98
83] Bromomethane(sim)	4.800	94	69719	2.125	ppbv#	98
84] Trichlorofluoromethane...	5.532	101	185498	2.466	ppbv#	97
85] 1,2-Dichloroethane(sim)	8.010	62	111132	2.386	ppbv	97
86] 1,1,1-Trichloroethane(...	8.175	97	163745	2.443	ppbv#	96
87] Benzene(sim)	8.450	78	264370	2.275	ppbv	96
88] Carbon Tetrachloride(sim)	8.548	117	155638	2.766	ppbv	98
89] 1,1-Dichloroethene(sim)	5.987	61	133270	2.408	ppbv	93
90] Trichlorotrifluoroetha...	6.240	101	155645	2.474	ppbv#	86
91] Trans-1,2-Dichloroethe...	6.688	61	121017	2.419	ppbv	96
92] 1,1-Dichloroethane(sim)	6.821	63	167133	2.494	ppbv	97
93] Cis-1,2-Dichloroethene...	7.353	61	119294	2.389	ppbv	96
94] Chloroform(sim)	7.543	83	178794	2.482	ppbv	98
96] 1,2-dichloropropane(sim)	8.929	63	109140	2.440	ppbv#	92
97] Bromodichloromethane(sim)	9.047	83	179116	2.549	ppbv	98
98] Trichloroethene(sim)	9.067	130	97073	2.452	ppbv#	88
99] 1,4-Dioxane(sim)	9.056	88	48029	2.851	ppbv	96
100] cis-1,3-Dichloropropen...	9.551	75	165926	2.567	ppbv#	92
101] 1,1,2-Trichloroethane(...	9.957	97	91158	2.480	ppbv	93
102] Dibromochloromethane(sim)	10.368	129	164077	2.647	ppbv	98
103] 1,2-Dibromoethane(EDB)...	10.513	107	144193	2.549	ppbv	98
104] Tetrachloroethene(sim)	10.755	166	111744	2.395	ppbv	98
106] Bromoform(sim)	11.501	173	143573	2.693	ppbv	100
107] m,p-Xylene(sim)	11.422	91	540221	4.944	ppbv#	91
108] 1,1,2,2-Tetrachloroeth...	11.683	83	248833	2.505	ppbv#	97
109] Benzyl chloride(sim)	12.768	91	225011	2.404	ppbv	93
110] 1,3-Dichlorobenzene(sim)	12.786	146	190138	2.777	ppbv	93
111] 1,4-Dichlorobenzene(sim)	12.822	146	158525	2.682	ppbv	97

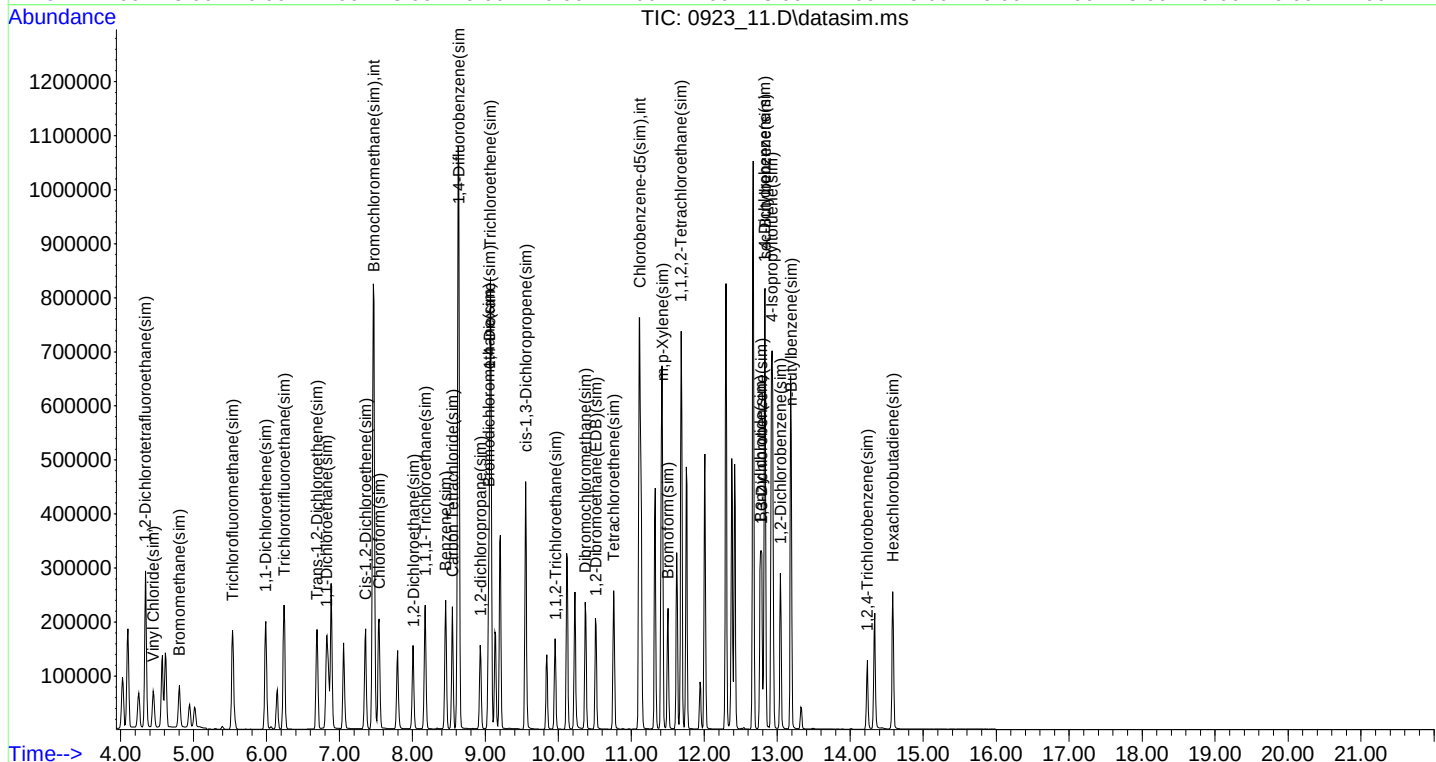
Data Path : H:\AIR2025\CHEM24\09SEP\23\
Data File : 0923_11.D
Acq On : 23 Sep 2025 5:17 pm
Operator : Keith
Client ID : ICAL 2.5
Lab ID : 2.5 ppb ; T01515
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Sep 24 13:47:43 2025
Quant Method : H:\AIR2025\CHEM24\Methods\24_AIR_0923.M
Quant Title : VOA Standards for 5 point calibration
QLast Update : Fri Sep 19 11:16:14 2025
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
112]	sec-Butylbenzene(sim)	12.833	105	513174	2.717	ppbv	93
113]	4-Isopropyltoluene(sim)	12.923	119	395265	2.708	ppbv#	92
114]	1,2-Dichlorobenzene(sim)	13.043	146	185720	2.704	ppbv	96
115]	n-Butylbenzene(sim)	13.188	91	370823	3.067	ppbv	90
116]	1,2,4-Trichlorobenzene...	14.232	180	75116	0.861	ppbv	99
118]	Hexachlorobutadiene(sim)	14.582	225	139633	1.061	ppbv	97

(#)out of range (m)manual integration reviewed by analyst (+)signals summed

Data Path : H:\AIR2025\CHEM24\09SEP\23\
Data File : 0923_11.D
Acq On : 23 Sep 2025 5:17 pm
Operator : Keith
Client ID : ICAL 2.5
Lab ID : 2.5 ppb ; T01515
ALS Vial : 10 Sample Multiplier: 1

[illegible]

Quantitation Report (RF) (QT Reviewed)

Data Path : H:\AIR2025\CHEM24\09SEP\23\
 Data File : 0923_12.D
 Acq On : 23 Sep 2025 5:52 pm
 Operator : Keith
 Client ID : ICAL 5
 Lab ID : 5.0 ppb ; T01515
 ALS Vial : 11 Sample Multiplier: 1

Quant Time: Sep 24 13:47:47 2025
 Quant Method : H:\AIR2025\CHEM24\Methods\24_AIR_0923.M
 Quant Title : VOA Standards for 5 point calibration
 QLast Update : Fri Sep 19 11:16:14 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	7.467	130	197735	10.000	ng	0.00
36) 1,4-Difluorobenzene	8.632	114	789856	10.000	ng	0.00
53) Chlorobenzene-d5	11.111	82	466737	10.000	ng	0.00
80) Bromochloromethane(sim)	7.470	130	216857	10.000	ng	# 0.00
95) 1,4-Difluorobenzene(sim)	8.632	114	789856	10.000	ng	0.00
105) Chlorobenzene-d5(sim)	11.111	82	466737	10.000	ng	0.00
System Monitoring Compounds						
62) % Bromofluorobenzene	11.945	95	557142	10.146	ppbv	0.00
Spiked Amount	10.000	Range	70 - 130	Recovery	=	101.50%
Target Compounds						
					Qvalue	
2) Propylene	4.029	41	151126	4.813	ppbv	99
3) Dichlorodifluoromethane	4.095	85	377999	5.049	ppbv	96
4) Chloromethane	4.245	50	170427	5.032	ppbv	99
5) 1,2-Dichlorotetrafluor...	4.344	85	397412	5.065	ppbv#	65
6) Vinyl Chloride	4.452	62	177301	5.085	ppbv	99
7) 1,3-Butadiene	4.568	54	138271	5.076	ppbv	93
8) Bromomethane	4.800	94	143804	5.020	ppbv#	97
9) Chloroethane	4.941	64	80817	4.893	ppbv	92
11) Ethanol	5.016	45	60625	5.077	ppbv	96
12) Acetone	5.394	43	273169	4.841	ppbv	96
13) Trichlorofluoromethane	5.529	101	345995	4.996	ppbv#	97
14) Isopropylalcohol	5.560	45	336075	5.079	ppbv	98
15) Acrylonitrile	5.725	53	107188	4.950	ppbv	96
16) 1,1-Dichloroethene	5.987	61	270495	4.979	ppbv	93
17) Methylene Chloride	6.058	49	219627	4.953	ppbv	96
20) Carbon Disulfide	6.296	76	469954	5.076	ppbv	100
21) Trichlorotrifluoroethane	6.237	101	291107	4.980	ppbv#	78
22) Trans-1,2-Dichloroethene	6.688	61	249862	5.056	ppbv	95
23) 1,1-Dichloroethane	6.826	63	316940	5.050	ppbv	98
24) Methyl tert-butyl ethe...	6.842	73	436020	4.947	ppbv	89
25) Methyl Ethyl Ketone	7.053	43	406345	5.101	ppbv	95
26) Cis-1,2-Dichloroethene	7.353	61	244186	5.033	ppbv	94
27) Hexane	7.475	57	273007	5.081	ppbv#	96
28) Chloroform	7.540	83	332220	4.974	ppbv	99
29) Ethyl acetate	7.459	61	62016	5.305	ppbv#	80
30) Tetrahydrofuran	7.791	42	211382	5.183	ppbv#	91
31) 1,2-Dichloroethane	8.010	62	229999	5.127	ppbv	98
32) 1,1,1-Trichloroethane	8.172	97	308424	5.054	ppbv	95
33) Benzene	8.450	78	544463	4.985	ppbv	96
34) Carbon Tetrachloride	8.545	117	291427	5.075	ppbv	98
35) Cyclohexane	8.623	84	194043	4.987	ppbv#	81
37) 1,2-dichloropropane	8.935	63	209359	5.046	ppbv#	96
38) Bromodichloromethane	9.047	83	370589	4.992	ppbv	95
39) Trichloroethene	9.064	130	179333	4.918	ppbv#	92
40) 2,2,4-trimethylpentane	9.073	57	929472	5.316	ppbv	95
41) 1,4-Dioxane	9.047	88	99691	5.218	ppbv	96
43) Heptane	9.203	43	373128	5.030	ppbv#	89
44) cis-1,3-Dichloropropene	9.548	75	325548	5.048	ppbv	91
45) 4-Methyl-2-pentanone(M...	9.548	43	494773	5.178	ppbv	98
46) trans-1,3-Dichloropropene	9.837	75	252745	5.081	ppbv#	91
47) 1,1,2-Trichloroethane	9.957	97	186222	4.954	ppbv	91
48) Toluene	10.118	91	548974	5.136	ppbv	98

Quantitation Report (RF) (QT Reviewed)

Data Path : H:\AIR2025\CHEM24\09SEP\23\
 Data File : 0923_12.D
 Acq On : 23 Sep 2025 5:52 pm
 Operator : Keith
 Client ID : ICAL 5
 Lab ID : 5.0 ppb ; T01515
 ALS Vial : 11 Sample Multiplier: 1

Quant Time: Sep 24 13:47:47 2025
 Quant Method : H:\AIR2025\CHEM24\Methods\24_AIR_0923.M
 Quant Title : VOA Standards for 5 point calibration
 QLast Update : Fri Sep 19 11:16:14 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
49) Dibromochloromethane	10.372	129	314743	5.003	ppbv	98
50) 2-Hexanone(MBK)	10.224	43	458429	5.756	ppbv	95
51) 1,2-Dibromoethane(EDB)	10.513	107	301844	5.027	ppbv	98
52) Tetrachloroethene	10.759	166	206922	4.910	ppbv	97
54) 1,1,1,2-Tetrachloroethane	11.118	131	214391	5.114	ppbv	99
55) Chlorobenzene	11.134	112	401488	5.138	ppbv	87
56) Ethylbenzene	11.323	91	721656	5.402	ppbv	92
57) m, p-Xylene	11.414	91	1140426	11.520	ppbv	91
58) Bromoform	11.498	173	281457	5.241	ppbv	99
59) Styrene	11.627	104	393489	5.352	ppbv#	90
60) 1,1,2,2-Tetrachloroethane	11.680	83	487854	5.341	ppbv#	86
61) o-Xylene	11.687	91	585152	5.379	ppbv	90
64) Isopropylbenzene	12.006	105	756803	5.486	ppbv#	94
66) 4-Ethyltoluene	12.379	105	751272	5.376	ppbv#	96
67) 1,3,5-Trimethylbenzene	12.418	105	623378	5.653	ppbv#	89
68) 1,2,4-Trimethylbenzene	12.667	105	645311	5.518	ppbv#	92
70) Benzyl chloride	12.768	91	487997	5.687	ppbv#	93
71) 1,3-Dichlorobenzene	12.783	146	363137	5.375	ppbv	95
72) 1,4-Dichlorobenzene	12.822	146	330463	5.177	ppbv	97
73) sec-Butylbenzene	12.830	105	993652	5.776	ppbv	94
74) 4-Isopropyltoluene	12.923	119	822377	5.591	ppbv	93
75) 1,2-Dichlorobenzene	13.040	146	325409	5.157	ppbv#	94
76) n-Butylbenzene	13.187	91	792046	5.860	ppbv#	91
77) 1,2,4-Trichlorobenzene	14.229	180	139655	2.463	ppbv	97
78) Naphthalene	14.330	128	422478	4.739	ppbv#	99
79) Hexachlorobutadiene	14.579	225	219113	4.951	ppbv	99
81] 1,2-Dichlorotetrafluor...	4.344	85	396975	4.927	ppbv#	65
82] Vinyl Chloride(sim)	4.447	62	190689	5.023	ppbv	98
83] Bromomethane(sim)	4.800	94	143804	4.383	ppbv#	96
84] Trichlorofluoromethane...	5.532	101	382582	5.086	ppbv#	97
85] 1,2-Dichloroethane(sim)	8.010	62	229999	4.937	ppbv	98
86] 1,1,1-Trichloroethane(...	8.175	97	339620	5.066	ppbv#	96
87] Benzene(sim)	8.450	78	544463	4.686	ppbv	96
88] Carbon Tetrachloride(sim)	8.548	117	323967	5.757	ppbv	98
89] 1,1-Dichloroethene(sim)	5.987	61	270495	4.886	ppbv	93
90] Trichlorotrifluoroetha...	6.240	101	320502	5.094	ppbv#	86
91] Trans-1,2-Dichloroethe...	6.688	61	249862	4.994	ppbv	95
92] 1,1-Dichloroethane(sim)	6.821	63	344761	5.144	ppbv	98
93] Cis-1,2-Dichloroethene...	7.353	61	244186	4.889	ppbv	94
94] Chloroform(sim)	7.543	83	365478	5.073	ppbv	98
96] 1,2-dichloropropane(sim)	8.929	63	225587	4.992	ppbv#	93
97] Bromodichloromethane(sim)	9.047	83	370589	5.219	ppbv	98
98] Trichloroethene(sim)	9.067	130	199454	4.986	ppbv#	87
99] 1,4-Dioxane(sim)	9.047	88	99691	5.857	ppbv	96
100] cis-1,3-Dichloropropen...	9.551	75	354765	5.431	ppbv#	92
101] 1,1,2-Trichloroethane(...	9.957	97	186222	5.013	ppbv	91
102] Dibromochloromethane(sim)	10.368	129	347341	5.545	ppbv	99
103] 1,2-Dibromoethane(EDB)...	10.513	107	301844	5.280	ppbv	98
104] Tetrachloroethene(sim)	10.755	166	233862	4.960	ppbv	99
106] Bromoform(sim)	11.501	173	311121	5.720	ppbv	100
107] m, p-Xylene(sim)	11.414	91	1144525	10.268	ppbv#	91
108] 1,1,2,2-Tetrachloroeth...	11.683	83	524389	5.173	ppbv#	97
109] Benzyl chloride(sim)	12.768	91	487997	4.559	ppbv	93
110] 1,3-Dichlorobenzene(sim)	12.786	146	402532	5.763	ppbv	94
111] 1,4-Dichlorobenzene(sim)	12.822	146	330463	5.480	ppbv	97

Quantitation Report (RF) (QT Reviewed)

Data Path : H:\AIR2025\CHEM24\09SEP\23\
Data File : 0923_12.D
Acq On : 23 Sep 2025 5:52 pm
Operator : Keith
Client ID : ICAL 5
Lab ID : 5.0 ppb ; T01515
ALS Vial : 11 Sample Multiplier: 1

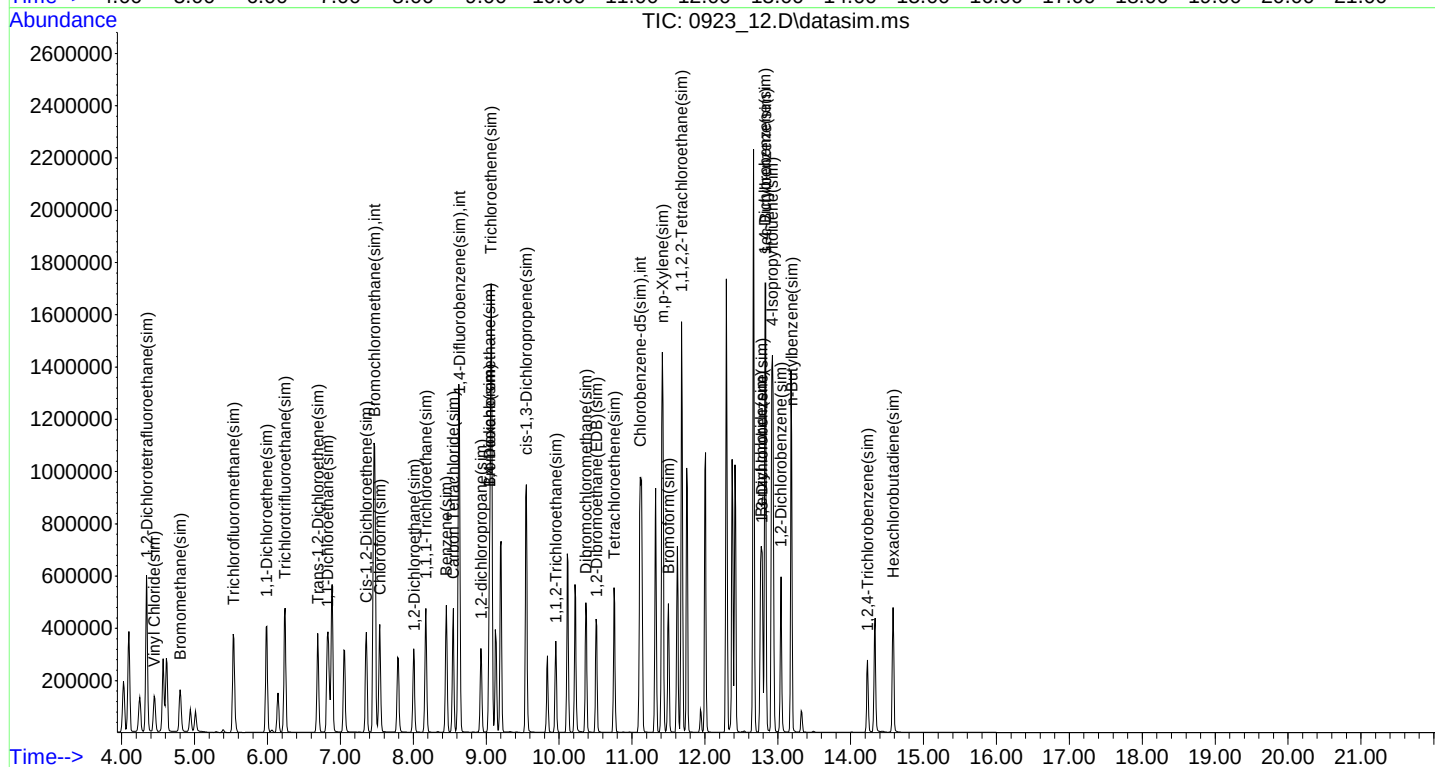
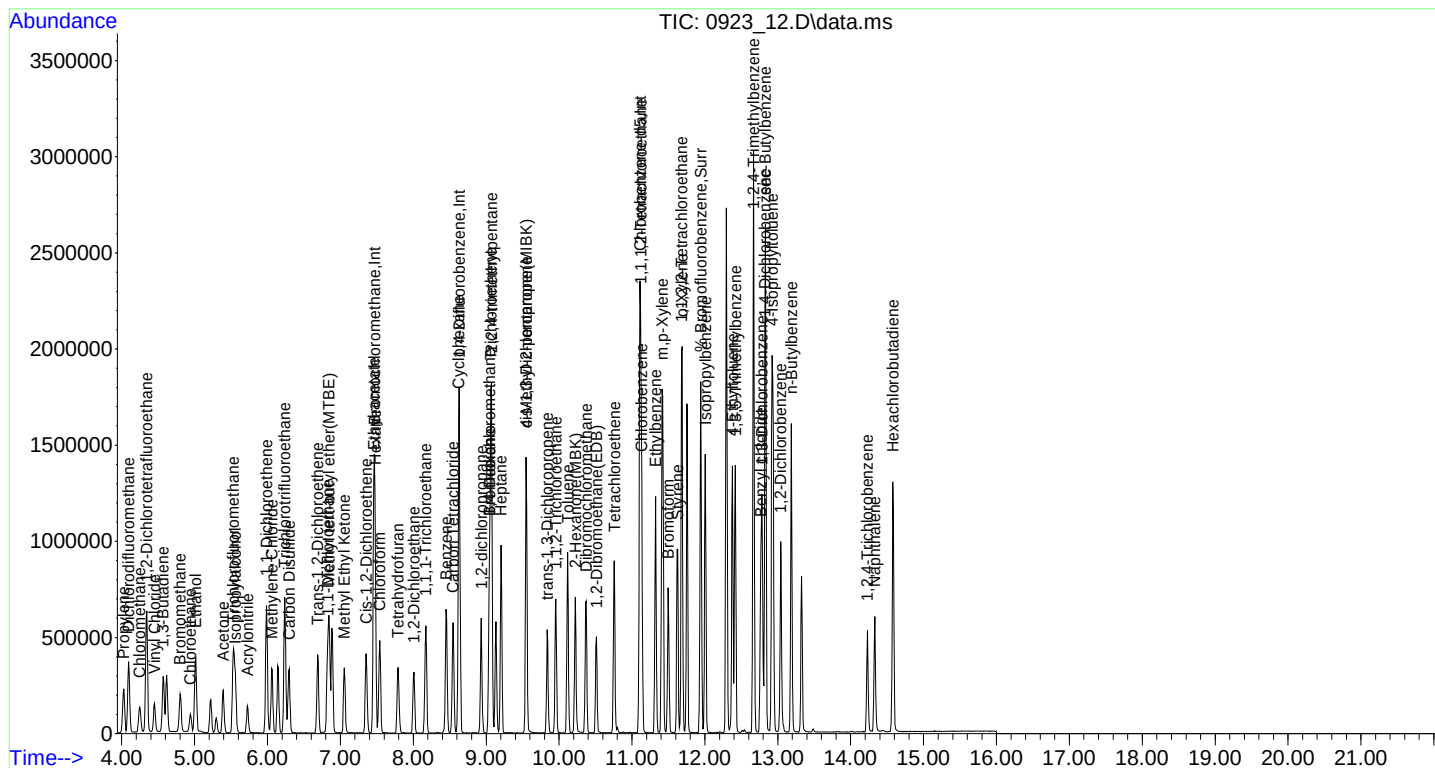
Quant Time: Sep 24 13:47:47 2025
Quant Method : H:\AIR2025\CHEM24\Methods\24_AIR_0923.M
Quant Title : VOA Standards for 5 point calibration
QLast Update : Fri Sep 19 11:16:14 2025
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
112]	sec-Butylbenzene(sim)	12.833	105	1084830	5.629	ppbv	93
113]	4-Isopropyltoluene(sim)	12.923	119	822715	5.525	ppbv	93
114]	1,2-Dichlorobenzene(sim)	13.043	146	378884	5.407	ppbv	96
115]	n-Butylbenzene(sim)	13.187	91	792046	6.422	ppbv	91
116]	1,2,4-Trichlorobenzene...	14.232	180	164373	1.281	ppbv	99
118]	Hexachlorobutadiene(sim)	14.582	225	259719	1.935	ppbv	97

(#)out of range (m>manual integration reviewed by analyst (+)signals summed

Data Path : H:\AIR2025\CHEM24\09SEP\23\
Data File : 0923_12.D
Acq On : 23 Sep 2025 5:52 pm
Operator : Keith
Client ID : ICAL 5
Lab ID : 5.0 ppb ; T01515
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Sep 24 13:47:47 2025
Quant Method : H:\AIR2025\CHEM24\Methods\24_AIR_0923.M
Quant Title : VOA Standards for 5 point calibration
QLast Update : Fri Sep 19 11:16:14 2025
Response via : Initial Calibration



Quantitation Report (RF) (QT Reviewed)

Data Path : H:\AIR2025\CHEM24\09SEP\23\
 Data File : 0923_13.D
 Acq On : 23 Sep 2025 6:32 pm
 Operator : Keith
 Client ID : ICAL 25
 Lab ID : 25 ppb ; T01515
 ALS Vial : 12 Sample Multiplier: 1

Quant Time: Sep 24 13:47:51 2025
 Quant Method : H:\AIR2025\CHEM24\Methods\24_AIR_0923.M
 Quant Title : VOA Standards for 5 point calibration
 QLast Update : Fri Sep 19 11:16:14 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	7.467	130	202471	10.000	ng	0.00
36) 1,4-Difluorobenzene	8.632	114	796947	10.000	ng	0.00
53) Chlorobenzene-d5	11.111	82	542107	10.000	ng	0.00
80) Bromochloromethane(sim)	7.470	130	223356	10.000	ng	# 0.00
95) 1,4-Difluorobenzene(sim)	8.632	114	796947	10.000	ng	0.00
105) Chlorobenzene-d5(sim)	11.111	82	541968	10.000	ng	0.00

System Monitoring Compounds

62) % Bromofluorobenzene	11.945	95	569686	8.932	ppbv	0.00
Spiked Amount	10.000	Range	70 - 130	Recovery	=	89.30%

Target Compounds

					Qvalue	
2) Propylene	4.029	41	767397	23.870	ppbv	99
3) Dichlorodifluoromethane	4.095	85	2058008	26.848	ppbv	95
4) Chloromethane	4.245	50	896225	25.841	ppbv	98
5) 1,2-Dichlorotetrafluor...	4.336	85	2162437	26.915	ppbv#	64
6) Vinyl Chloride	4.452	62	934928	26.188	ppbv	100
7) 1,3-Butadiene	4.568	54	725378	26.007	ppbv	93
8) Bromomethane	4.800	94	745410	25.410	ppbv#	97
9) Chloroethane	4.941	64	431794	25.531	ppbv	90
11) Ethanol	5.016	45	289607	23.684	ppbv	93
12) Acetone	5.388	43	1419692	24.571	ppbv	95
13) Trichlorofluoromethane	5.535	101	1881991	26.541	ppbv	96
14) Isopropylalcohol	5.554	45	1885358	27.826	ppbv	98
15) Acrylonitrile	5.725	53	550106	24.810	ppbv	95
16) 1,1-Dichloroethene	5.987	61	1466705	26.367	ppbv	93
17) Methylene Chloride	6.064	49	1147947	25.282	ppbv	97
20) Carbon Disulfide	6.296	76	2528042	26.669	ppbv	99
21) Trichlorotrifluoroethane	6.237	101	1605500	26.824	ppbv#	76
22) Trans-1,2-Dichloroethene	6.688	61	1345205	26.584	ppbv	95
23) 1,1-Dichloroethane	6.826	63	1722316	26.799	ppbv	98
24) Methyl tert-butyl ethe...	6.842	73	2386512	26.444	ppbv#	87
25) Methyl Ethyl Ketone	7.053	43	2204305	27.026	ppbv#	95
26) Cis-1,2-Dichloroethene	7.353	61	1321485	26.600	ppbv	94
27) Hexane	7.475	57	1462208	26.579	ppbv#	97
28) Chloroform	7.540	83	1805712	26.403	ppbv	98
29) Ethyl acetate	7.450	61	316606	26.447	ppbv#	76
30) Tetrahydrofuran	7.783	42	1115836	26.722	ppbv#	92
31) 1,2-Dichloroethane	8.010	62	1199211	26.106	ppbv	98
32) 1,1,1-Trichloroethane	8.172	97	1652430	26.445	ppbv	96
33) Benzene	8.459	78	2841917	25.410	ppbv	96
34) Carbon Tetrachloride	8.545	117	1635711	27.817	ppbv	98
35) Cyclohexane	8.623	84	1014483	25.462	ppbv#	80
37) 1,2-dichloropropane	8.935	63	1113119	26.589	ppbv#	93
38) Bromodichloromethane	9.047	83	2083721	27.817	ppbv	94
39) Trichloroethene	9.064	130	1004942	27.311	ppbv#	91
40) 2,2,4-trimethylpentane	9.073	57	4608642	26.125	ppbv#	90
41) 1,4-Dioxane	9.047	88	541289	28.082	ppbv	96
43) Heptane	9.203	43	2010003	26.854	ppbv#	89
44) cis-1,3-Dichloropropene	9.548	75	1800491	27.669	ppbv	89
45) 4-Methyl-2-pentanone(M...	9.548	43	2666503	27.659	ppbv	99
46) trans-1,3-Dichloropropene	9.844	75	1387462	27.646	ppbv#	89
47) 1,1,2-Trichloroethane	9.957	97	1009671	26.623	ppbv	91
48) Toluene	10.118	91	2935137	27.214	ppbv	97

Quantitation Report (RF) (QT Reviewed)

Data Path : H:\AIR2025\CHEM24\09SEP\23\
 Data File : 0923_13.D
 Acq On : 23 Sep 2025 6:32 pm
 Operator : Keith
 Client ID : ICAL 25
 Lab ID : 25 ppb ; T01515
 ALS Vial : 12 Sample Multiplier: 1

Quant Time: Sep 24 13:47:51 2025
 Quant Method : H:\AIR2025\CHEM24\Methods\24_AIR_0923.M
 Quant Title : VOA Standards for 5 point calibration
 QLast Update : Fri Sep 19 11:16:14 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
49) Dibromochloromethane	10.372	129	1808302	28.489	ppbv	97
50) 2-Hexanone(MBK)	10.224	43	2475354	30.806	ppbv	96
51) 1,2-Dibromoethane(EDB)	10.513	107	1669020	27.549	ppbv	97
52) Tetrachloroethene	10.759	166	1151601	27.084	ppbv	96
54) 1,1,1,2-Tetrachloroethane	11.119	131	1187468	24.388	ppbv	98
55) Chlorobenzene	11.134	112	2226718	24.532	ppbv	89
56) Ethylbenzene	11.323	91	3625481	23.366	ppbv	95
57) m, p-Xylene	11.422	91	5299924	46.093	ppbv	98
58) Bromoform	11.498	173	1647466	26.414	ppbv	99
59) Styrene	11.627	104	2182214	25.556	ppbv#	90
60) 1,1,2,2-Tetrachloroethane	11.680	83	2650567	24.985	ppbv#	88
61) o-Xylene	11.687	91	3121308	24.704	ppbv	93
64) Isopropylbenzene	12.006	105	3711205	23.160	ppbv#	95
66) 4-Ethyltoluene	12.379	105	3953308	24.354	ppbv#	96
67) 1,3,5-Trimethylbenzene	12.418	105	3002727	23.443	ppbv#	96
68) 1,2,4-Trimethylbenzene	12.674	105	3362061	24.752	ppbv#	96
70) Benzyl chloride	12.768	91	2999641	30.095	ppbv#	94
71) 1,3-Dichlorobenzene	12.791	146	2049639	26.119	ppbv	95
72) 1,4-Dichlorobenzene	12.830	146	2033852	27.434	ppbv	96
73) sec-Butylbenzene	12.830	105	4349398	21.769	ppbv#	93
74) 4-Isopropyltoluene	12.923	119	4049939	23.704	ppbv#	89
75) 1,2-Dichlorobenzene	13.048	146	1885433	25.725	ppbv	93
76) n-Butylbenzene	13.187	91	3877383	24.698	ppbv#	85
77) 1,2,4-Trichlorobenzene	14.229	180	1030963	15.651	ppbv	97
78) Naphthalene	14.330	128	2845226	27.480	ppbv#	98
79) Hexachlorobutadiene	14.587	225	1268423	24.675	ppbv	97
81] 1,2-Dichlorotetrafluor...	4.336	85	2157180	25.994	ppbv#	64
82] Vinyl Chloride(sim)	4.447	62	1011574	25.870	ppbv	100
83] Bromomethane(sim)	4.800	94	745410	22.059	ppbv#	97
84] Trichlorofluoromethane...	5.532	101	2084719	26.907	ppbv#	97
85] 1,2-Dichloroethane(sim)	8.010	62	1199211	24.995	ppbv	98
86] 1,1,1-Trichloroethane(...	8.175	97	1842043	26.677	ppbv#	97
87] Benzene(sim)	8.459	78	2816119	23.531	ppbv	96
88] Carbon Tetrachloride(sim)	8.548	117	1813238	31.285	ppbv	98
89] 1,1-Dichloroethene(sim)	5.987	61	1466705	25.725	ppbv	93
90] Trichlorotrifluoroetha...	6.240	101	1758271	27.133	ppbv#	85
91] Trans-1,2-Dichloroethe...	6.688	61	1345205	26.104	ppbv	95
92] 1,1-Dichloroethane(sim)	6.821	63	1870172	27.090	ppbv	98
93] Cis-1,2-Dichloroethene...	7.353	61	1321485	25.690	ppbv	94
94] Chloroform(sim)	7.543	83	1972644	26.587	ppbv	97
96] 1,2-dichloropropane(sim)	8.929	63	1205220	26.431	ppbv#	96
97] Bromodichloromethane(sim)	9.047	83	2083721	29.087	ppbv	97
98] Trichloroethene(sim)	9.067	130	1118202	27.706	ppbv#	87
99] 1,4-Dioxane(sim)	9.047	88	541289	31.519	ppbv	96
100] cis-1,3-Dichloropropen...	9.551	75	1960730	29.749	ppbv#	91
101] 1,1,2-Trichloroethane(...	9.957	97	1009671	26.938	ppbv	91
102] Dibromochloromethane(sim)	10.375	129	2004708	31.719	ppbv	98
103] 1,2-Dibromoethane(EDB)...	10.513	107	1669020	28.938	ppbv	97
104] Tetrachloroethene(sim)	10.762	166	1316637	27.677	ppbv	99
106] Bromoform(sim)	11.501	173	1833292	29.025	ppbv	99
107] m, p-Xylene(sim)	11.422	91	5308042	41.009	ppbv	98
108] 1,1,2,2-Tetrachloroeth...	11.683	83	2829705	24.041	ppbv#	97
109] Benzyl chloride(sim)	12.768	91	2999641	15.569	ppbv	94
110] 1,3-Dichlorobenzene(sim)	12.786	146	2414567	29.770	ppbv	96
111] 1,4-Dichlorobenzene(sim)	12.830	146	2033852	29.045	ppbv	96

Quantitation Report (RF) (QT Reviewed)

Data Path : H:\AIR2025\CHEM24\09SEP\23\
Data File : 0923_13.D
Acq On : 23 Sep 2025 6:32 pm
Operator : Keith
Client ID : ICAL 25
Lab ID : 25 ppb ; T01515
ALS Vial : 12 Sample Multiplier: 1

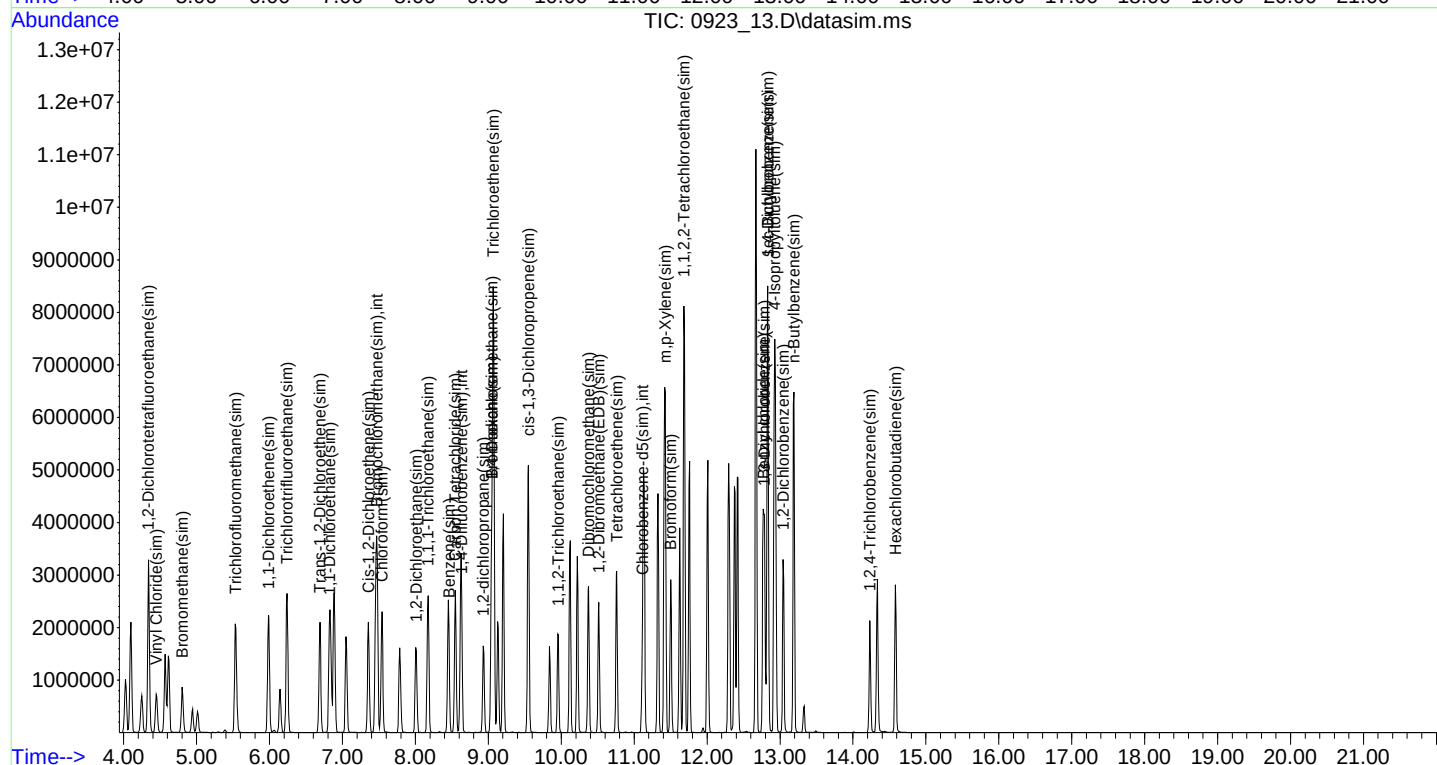
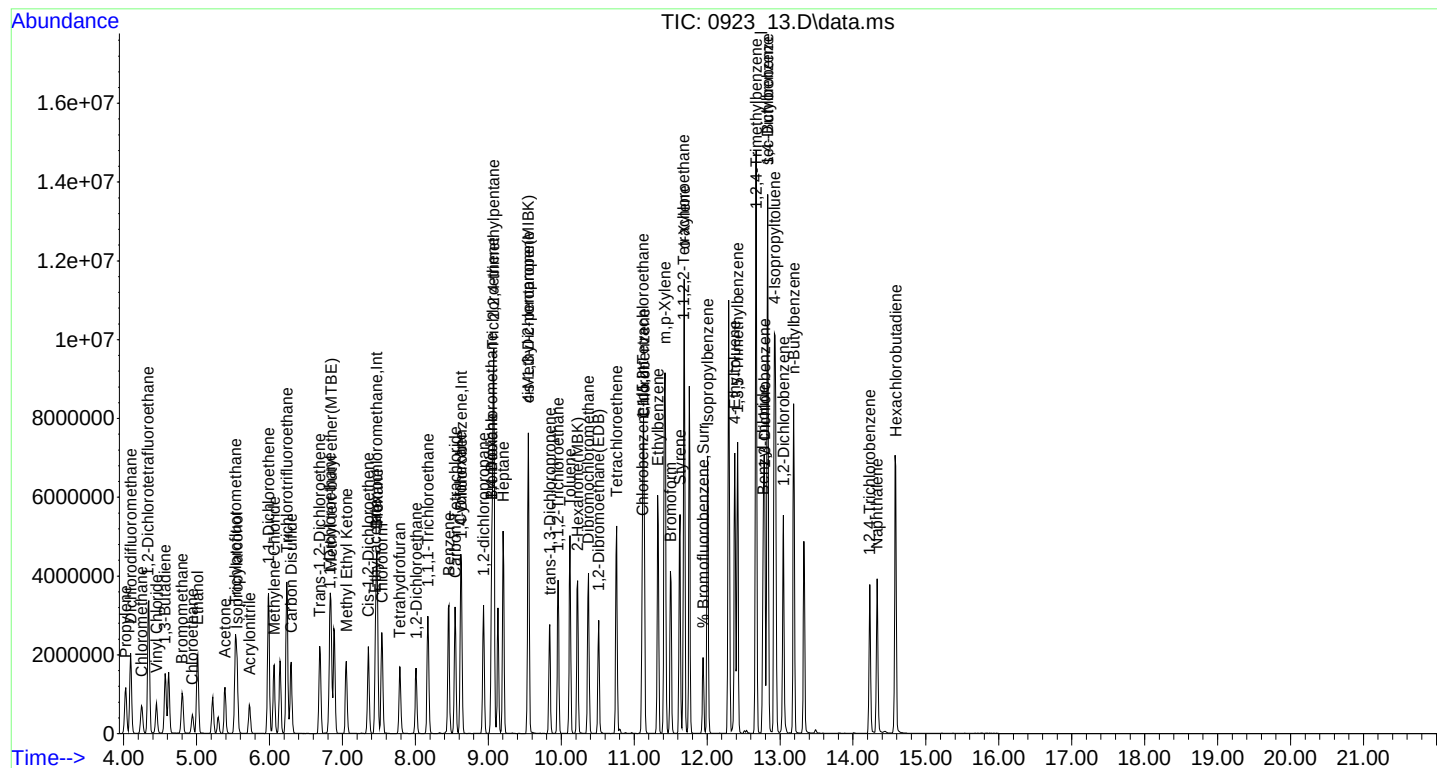
Quant Time: Sep 24 13:47:51 2025
Quant Method : H:\AIR2025\CHEM24\Methods\24_AIR_0923.M
Quant Title : VOA Standards for 5 point calibration
QLast Update : Fri Sep 19 11:16:14 2025
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
112]	sec-Butylbenzene(sim)	12.833	105	4436125	19.822	ppbv	89
113]	4-Isopropyltoluene(sim)	12.923	119	4052621	23.436	ppbv#	89
114]	1,2-Dichlorobenzene(sim)	13.043	146	2165016	26.608	ppbv	96
115]	n-Butylbenzene(sim)	13.187	91	3877383	27.073	ppbv	85
116]	1,2,4-Trichlorobenzene...	14.232	180	1216007	3.302	ppbv	99
118]	Hexachlorobutadiene(sim)	14.582	225	1508634	9.679	ppbv	97

(#)out of range (m>manual integration reviewed by analyst (+)signals summed

Data Path : H:\AIR2025\CHEM24\09SEP\23\
Data File : 0923_13.D
Acq On : 23 Sep 2025 6:32 pm
Operator : Keith
Client ID : ICAL 25
Lab ID : 25 ppb ; T01515
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Sep 24 13:47:51 2025
Quant Method : H:\AIR2025\CHEM24\Methods\24_AIR_0923.M
Quant Title : VOA Standards for 5 point calibration
QLast Update : Fri Sep 19 11:16:14 2025
Response via : Initial Calibration



Quantitation Report (RF) (QT Reviewed)

Data Path : H:\AIR2025\CHEM24\09SEP\23\
 Data File : 0923_14.D
 Acq On : 23 Sep 2025 7:11 pm
 Operator : Keith
 Client ID : ICAL 40
 Lab ID : 40 ppb ; T0151
 ALS Vial : 13 Sample Multiplier: 1

Quant Time: Sep 24 13:47:56 2025
 Quant Method : H:\AIR2025\CHEM24\Methods\24_AIR_0923.M
 Quant Title : VOA Standards for 5 point calibration
 QLast Update : Fri Sep 19 11:16:14 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	7.467	130	206246	10.000	ng	0.00
36) 1,4-Difluorobenzene	8.632	114	807391	10.000	ng	0.00
53) Chlorobenzene-d5	11.109	82	576093	10.000	ng	0.00
80) Bromochloromethane(sim)	7.470	130	225968	10.000	ng	# 0.00
95) 1,4-Difluorobenzene(sim)	8.632	114	807391	10.000	ng	0.00
105) Chlorobenzene-d5(sim)	11.109	82	576093	10.000	ng	# 0.00

System Monitoring Compounds

62) % Bromofluorobenzene	11.943	95	549039	8.101	ppbv	0.00
Spiked Amount	10.000	Range 70 - 130	Recovery	=	81.00%	

Target Compounds

					Qvalue	
2) Propylene	4.029	41	1193087	36.432	ppbv	99
3) Dichlorodifluoromethane	4.095	85	3133569	40.131	ppbv#	96
4) Chloromethane	4.245	50	1416184	40.085	ppbv	97
5) 1,2-Dichlorotetrafluor...	4.336	85	3383031	41.337	ppbv#	66
6) Vinyl Chloride	4.452	62	1505373	41.395	ppbv	99
7) 1,3-Butadiene	4.568	54	1136381	39.997	ppbv	92
8) Bromomethane	4.800	94	1211294	40.536	ppbv#	95
9) Chloroethane	4.941	64	677620	39.333	ppbv	90
11) Ethanol	5.016	45	451609	36.256	ppbv#	94
12) Acetone	5.388	43	2252675	38.274	ppbv	96
13) Trichlorofluoromethane	5.535	101	3019010	41.796	ppbv	96
14) Isopropylalcohol	5.554	45	2783531	40.330	ppbv	98
15) Acrylonitrile	5.725	53	884106	39.144	ppbv	95
16) 1,1-Dichloroethene	5.987	61	2356023	41.579	ppbv	93
17) Methylene Chloride	6.064	49	1821400	39.379	ppbv	96
20) Carbon Disulfide	6.296	76	3909250	40.485	ppbv	100
21) Trichlorotrifluoroethane	6.237	101	2605991	42.743	ppbv#	77
22) Trans-1,2-Dichloroethene	6.688	61	2177568	42.245	ppbv	96
23) 1,1-Dichloroethane	6.826	63	2758993	42.144	ppbv	98
24) Methyl tert-butyl ethe...	6.842	73	3750758	40.799	ppbv#	87
25) Methyl Ethyl Ketone	7.053	43	3397816	40.897	ppbv#	94
26) Cis-1,2-Dichloroethene	7.353	61	2108122	41.657	ppbv	95
27) Hexane	7.475	57	2329693	41.572	ppbv#	99
28) Chloroform	7.540	83	2857994	41.025	ppbv	99
29) Ethyl acetate	7.459	61	515170	42.247	ppbv#	76
30) Tetrahydrofuran	7.783	42	1728749	40.642	ppbv#	90
31) 1,2-Dichloroethane	8.010	62	1911868	40.858	ppbv	98
32) 1,1,1-Trichloroethane	8.172	97	2666582	41.894	ppbv	96
33) Benzene	8.459	78	4317208	37.895	ppbv	95
34) Carbon Tetrachloride	8.545	117	2645633	44.168	ppbv	98
35) Cyclohexane	8.623	84	1639582	40.397	ppbv#	78
37) 1,2-dichloropropane	8.935	63	1788567	42.171	ppbv#	91
38) Bromodichloromethane	9.047	83	3269312	43.080	ppbv	97
39) Trichloroethene	9.073	130	1647070	44.184	ppbv#	91
40) 2,2,4-trimethylpentane	9.073	57	5915287	33.098	ppbv#	77
41) 1,4-Dioxane	9.047	88	840222	43.026	ppbv	95
43) Heptane	9.203	43	3050017	40.222	ppbv#	89
44) cis-1,3-Dichloropropene	9.554	75	2860684	43.393	ppbv	90
45) 4-Methyl-2-pentanone(M...	9.547	43	3841413	39.330	ppbv#	95
46) trans-1,3-Dichloropropene	9.842	75	2209749	43.462	ppbv#	89
47) 1,1,2-Trichloroethane	9.955	97	1644041	42.789	ppbv	92
48) Toluene	10.117	91	4174834	38.207	ppbv#	90

Quantitation Report (RF) (QT Reviewed)

Data Path : H:\AIR2025\CHEM24\09SEP\23\
 Data File : 0923_14.D
 Acq On : 23 Sep 2025 7:11 pm
 Operator : Keith
 Client ID : ICAL 40
 Lab ID : 40 ppb ; T0151
 ALS Vial : 13 Sample Multiplier: 1

Quant Time: Sep 24 13:47:56 2025
 Quant Method : H:\AIR2025\CHEM24\Methods\24_AIR_0923.M
 Quant Title : VOA Standards for 5 point calibration
 QLast Update : Fri Sep 19 11:16:14 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
49) Dibromochloromethane	10.370	129	2884551	44.857	ppbv	96
50) 2-Hexanone(MBK)	10.222	43	3630713	44.599	ppbv#	96
51) 1,2-Dibromoethane(EDB)	10.511	107	2649138	43.162	ppbv	97
52) Tetrachloroethene	10.757	166	1878115	43.599	ppbv	96
54) 1,1,1,2-Tetrachloroethane	11.125	131	1948434	37.655	ppbv	98
55) Chlorobenzene	11.140	112	3423065	35.488	ppbv	87
56) Ethylbenzene	11.329	91	4755076	28.838	ppbv	92
57) m, p-Xylene	11.420	91	6545419	53.567	ppbv#	83
58) Bromoform	11.504	173	2637524	39.792	ppbv	99
59) Styrene	11.625	104	3266529	35.997	ppbv#	86
60) 1,1,2,2-Tetrachloroethane	11.686	83	3748706	33.252	ppbv	89
61) o-Xylene	11.686	91	4209060	31.348	ppbv	97
64) Isopropylbenzene	12.012	105	4698244	27.590	ppbv#	83
66) 4-Ethyltoluene	12.377	105	4930922	28.585	ppbv#	83
67) 1,3,5-Trimethylbenzene	12.416	105	4048847	29.745	ppbv#	92
68) 1,2,4-Trimethylbenzene	12.673	105	4401707	30.494	ppbv#	84
70) Benzyl chloride	12.774	91	4102092	38.727	ppbv	96
71) 1,3-Dichlorobenzene	12.789	146	3040653	36.462	ppbv#	94
72) 1,4-Dichlorobenzene	12.828	146	3141264	39.872	ppbv	94
73) sec-Butylbenzene	12.836	105	5274268	24.841	ppbv#	78
74) 4-Isopropyltoluene	12.921	119	5113964	28.166	ppbv#	74
75) 1,2-Dichlorobenzene	13.046	146	2848127	36.568	ppbv#	93
76) n-Butylbenzene	13.186	91	4820717	28.895	ppbv#	78
77) 1,2,4-Trichlorobenzene	14.235	180	1812863	25.898	ppbv	97
78) Naphthalene	14.336	128	4221189	38.364	ppbv#	96
79) Hexachlorobutadiene	14.585	225	2036666	37.282	ppbv	98
81] 1,2-Dichlorotetrafluor...	4.336	85	3375442	40.203	ppbv#	66
82] Vinyl Chloride(sim)	4.447	62	1623156	41.031	ppbv	100
83] Bromomethane(sim)	4.800	94	1211294	35.432	ppbv#	95
84] Trichlorofluoromethane...	5.532	101	3313244	42.269	ppbv#	98
85] 1,2-Dichloroethane(sim)	8.010	62	1911868	39.388	ppbv	98
86] 1,1,1-Trichloroethane(...	8.175	97	2959176	42.361	ppbv#	98
87] Benzene(sim)	8.459	78	4277850	35.331	ppbv	96
88] Carbon Tetrachloride(sim)	8.548	117	2916390	49.737	ppbv	98
89] 1,1-Dichloroethene(sim)	5.987	61	2356023	40.845	ppbv	93
90] Trichlorotrifluoroetha...	6.240	101	2849622	43.466	ppbv#	86
91] Trans-1,2-Dichloroethe...	6.688	61	2177568	41.767	ppbv	96
92] 1,1-Dichloroethane(sim)	6.821	63	2959891	42.380	ppbv	98
93] Cis-1,2-Dichloroethene...	7.353	61	2108122	40.508	ppbv	95
94] Chloroform(sim)	7.543	83	3105404	41.370	ppbv	98
96] 1,2-dichloropropane(sim)	8.929	63	1934101	41.867	ppbv#	95
97] Bromodichloromethane(sim)	9.047	83	3269312	45.046	ppbv	99
98] Trichloroethene(sim)	9.067	130	1826427	44.668	ppbv#	88
99] 1,4-Dioxane(sim)	9.047	88	840222	48.292	ppbv	95
100] cis-1,3-Dichloropropen...	9.550	75	3065522	45.910	ppbv#	93
101] 1,1,2-Trichloroethane(...	9.955	97	1644041	43.295	ppbv	92
102] Dibromochloromethane(sim)	10.373	129	3137850	49.005	ppbv	96
103] 1,2-Dibromoethane(EDB)...	10.511	107	2649138	45.338	ppbv	97
104] Tetrachloroethene(sim)	10.760	166	2132868	44.255	ppbv	98
106] Bromoform(sim)	11.507	173	2907830	43.311	ppbv	98
107] m, p-Xylene(sim)	11.420	91	6554718	47.641	ppbv#	83
108] 1,1,2,2-Tetrachloroeth...	11.681	83	3877749	30.994	ppbv#	90
109] Benzyl chloride(sim)	12.774	91	4102092	18.370	ppbv	96
110] 1,3-Dichlorobenzene(sim)	12.792	146	3416815	39.632	ppbv#	91
111] 1,4-Dichlorobenzene(sim)	12.828	146	3141264	42.202	ppbv	94

Data Path : H:\AIR2025\CHEM24\09SEP\23\
Data File : 0923_14.D
Acq On : 23 Sep 2025 7:11 pm
Operator : Keith
Client ID : ICAL 40
Lab ID : 40 ppb ; T0151
ALS Vial : 13 Sample Multiplier: 1

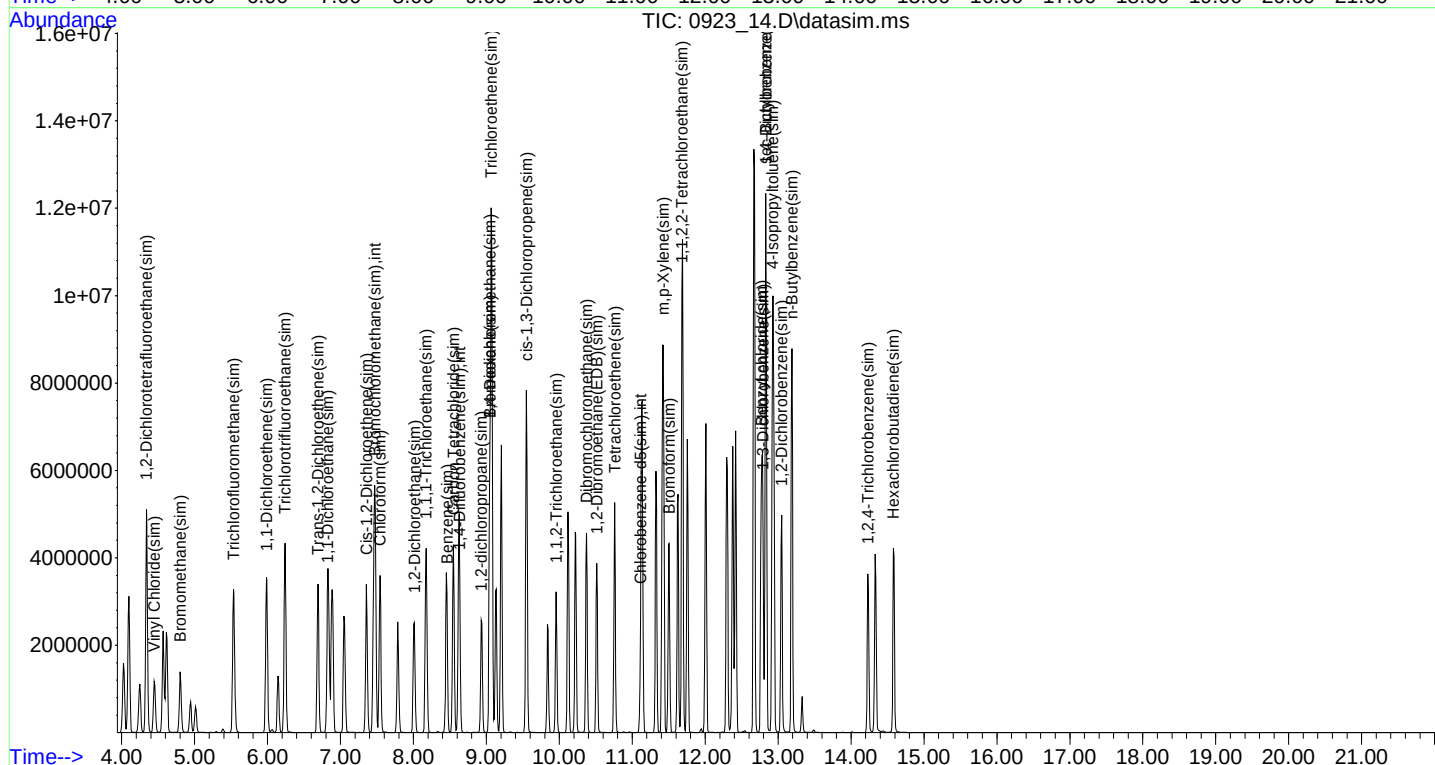
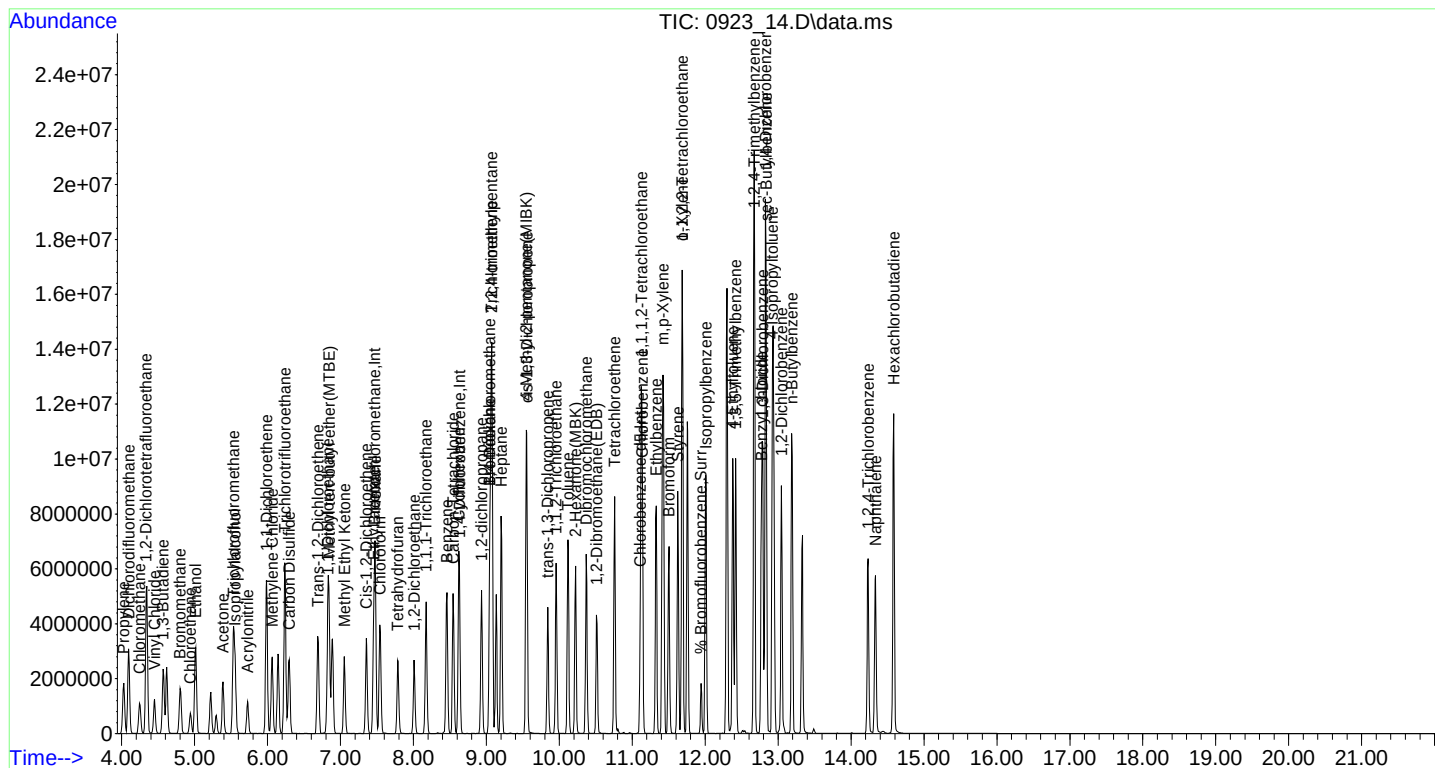
Quant Time: Sep 24 13:47:56 2025
Quant Method : H:\AIR2025\CHEM24\Methods\24_AIR_0923.M
Quant Title : VOA Standards for 5 point calibration
QLast Update : Fri Sep 19 11:16:14 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
112] sec-Butylbenzene(sim)	12.831	105	5274085	22.171	ppbv	73
113] 4-Isopropyltoluene(sim)	12.921	119	5113964	27.822	ppbv#	74
114] 1,2-Dichlorobenzene(sim)	13.049	146	3165134	36.596	ppbv	92
115] n-Butylbenzene(sim)	13.186	91	4822890	31.680	ppbv#	78
116] 1,2,4-Trichlorobenzene...	14.230	180	2128938	4.251	ppbv	99
118] Hexachlorobutadiene(sim)	14.580	225	2381613	14.374	ppbv	98

(#)out of range (m>manual integration reviewed by analyst (+)signals summed

Data Path : H:\AIR2025\CHEM24\09SEP\23\
Data File : 0923_14.D
Acq On : 23 Sep 2025 7:11 pm
Operator : Keith
Client ID : ICAL 40
Lab ID : 40 ppb ; T0151
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Sep 24 13:47:56 2025
Quant Method : H:\AIR2025\CHEM24\Methods\24_AIR_0923.M
Quant Title : VOA Standards for 5 point calibration
QLast Update : Fri Sep 19 11:16:14 2025
Response via : Initial Calibration



Quantitation Report (RF) (QT Reviewed)

Data Path : H:\AIR2025\CHEM24\09SEP\23\
 Data File : 0923_15.D
 Acq On : 23 Sep 2025 7:47 pm
 Operator : Keith
 Client ID : ICAL 1
 Lab ID : 1ppb ; T01509 ; AIR36
 ALS Vial : 16 Sample Multiplier: 1

Quant Time: Sep 24 13:58:33 2025
 Quant Method : H:\AIR2025\CHEM24\Methods\24_AIR_0923.M
 Quant Title : VOA Standards for 5 point calibration
 QLast Update : Wed Sep 24 13:58:02 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	7.467	130	189578	10.000	ng	0.00
36) 1,4-Difluorobenzene	8.632	114	757576	10.000	ng	0.00
53) Chlorobenzene-d5	11.109	82	432346	10.000	ng	0.00
80) Bromochloromethane(sim)	7.470	130	208471	10.000	ng	# 0.00
95) 1,4-Difluorobenzene(sim)	8.632	114	757576	10.000	ng	0.00
105) Chlorobenzene-d5(sim)	11.109	82	432346	10.000	ng	0.00

System Monitoring Compounds

62) % Bromofluorobenzene	11.943	95	522990	10.507	ppbv	0.00
Spiked Amount	10.000	Range 70 - 130	Recovery	=	105.10%	

Target Compounds

						Qvalue
2) Propylene	4.029	41	27974	0.929	ppbv	98
3) Dichlorodifluoromethane	4.095	85	66954	0.933	ppbv	96
4) Chloromethane	4.245	50	30873	0.951	ppbv	99
5) 1,2-Dichlorotetrafluor...	4.336	85	69821	0.928	ppbv#	65
6) Vinyl Chloride	4.452	62	30591	0.915	ppbv	95
7) 1,3-Butadiene	4.568	54	24984	0.957	ppbv	93
8) Bromomethane	4.800	94	26246	0.956	ppbv	98
9) Chloroethane	4.941	64	15212	0.961	ppbv	91
11) Ethanol	5.016	45	13226	1.155	ppbv	98
12) Acetone	5.400	43	50017	0.925	ppbv	98
13) Trichlorofluoromethane	5.535	101	61669	0.929	ppbv	96
14) Isopropylalcohol	5.566	45	59832	0.943	ppbv	95
15) Acrylonitrile	5.725	53	19836	0.955	ppbv	97
16) 1,1-Dichloroethene	5.987	61	49047	0.942	ppbv	96
17) Methylene Chloride	6.058	49	38643	0.909	ppbv	94
20) Carbon Disulfide	6.297	76	83224	0.938	ppbv	99
21) Trichlorotrifluoroethane	6.237	101	52686	0.940	ppbv#	79
22) Trans-1,2-Dichloroethene	6.688	61	44179	0.932	ppbv	98
23) 1,1-Dichloroethane	6.826	63	55931	0.929	ppbv	97
24) Methyl tert-butyl ethe...	6.850	73	80396	0.951	ppbv#	87
25) Methyl Ethyl Ketone	7.061	43	71266	0.933	ppbv#	93
26) Cis-1,2-Dichloroethene	7.353	61	43764	0.941	ppbv	98
27) Hexane	7.475	57	48214	0.936	ppbv#	96
28) Chloroform	7.540	83	60243	0.941	ppbv	100
29) Ethyl acetate	7.459	61	10878	0.970	ppbv#	75
30) Tetrahydrofuran	7.799	42	37478	0.959	ppbv#	90
31) 1,2-Dichloroethane	8.010	62	40154	0.934	ppbv	97
32) 1,1,1-Trichloroethane	8.172	97	55414	0.947	ppbv	96
33) Benzene	8.450	78	101578	0.970	ppbv	96
34) Carbon Tetrachloride	8.545	117	51361	0.933	ppbv	100
35) Cyclohexane	8.623	84	36200	0.970	ppbv#	82
37) 1,2-dichloropropane	8.935	63	36466	0.916	ppbv#	94
38) Bromodichloromethane	9.047	83	64635	0.908	ppbv	95
39) Trichloroethene	9.064	130	32920	0.941	ppbv#	93
40) 2,2,4-trimethylpentane	9.073	57	163240	0.973	ppbv	95
41) 1,4-Dioxane	9.056	88	20127	1.098	ppbv	94
43) Heptane	9.203	43	66744	0.938	ppbv#	88
44) cis-1,3-Dichloropropene	9.547	75	57592	0.931	ppbv	90
45) 4-Methyl-2-pentanone(M...	9.554	43	87493	0.955	ppbv	99
46) trans-1,3-Dichloropropene	9.842	75	44898	0.941	ppbv#	92
47) 1,1,2-Trichloroethane	9.955	97	34674	0.962	ppbv	95
48) Toluene	10.117	91	97761	0.954	ppbv	99

Quantitation Report (RF) (QT Reviewed)

Data Path : H:\AIR2025\CHEM24\09SEP\23\
 Data File : 0923_15.D
 Acq On : 23 Sep 2025 7:47 pm
 Operator : Keith
 Client ID : ICAL 1
 Lab ID : 1ppb ; T01509 ; AIR36
 ALS Vial : 16 Sample Multiplier: 1

Quant Time: Sep 24 13:58:33 2025
 Quant Method : H:\AIR2025\CHEM24\Methods\24_AIR_0923.M
 Quant Title : VOA Standards for 5 point calibration
 QLast Update : Wed Sep 24 13:58:02 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
49) Dibromochloromethane	10.370	129	56723	0.940	ppbv	98
50) 2-Hexanone(MBK)	10.230	43	73616	0.964	ppbv	97
51) 1,2-Dibromoethane(EDB)	10.511	107	54404	0.945	ppbv	98
52) Tetrachloroethene	10.757	166	37683	0.932	ppbv	97
54) 1,1,1,2-Tetrachloroethane	11.117	131	39773	1.024	ppbv	98
55) Chlorobenzene	11.132	112	75144	1.038	ppbv	83
56) Ethylbenzene	11.322	91	129799	1.049	ppbv	93
57) m, p-Xylene	11.420	91	196564	2.144	ppbv	92
58) Bromoform	11.496	173	51678	1.039	ppbv	99
59) Styrene	11.625	104	70272	1.032	ppbv	91
60) 1,1,2,2-Tetrachloroethane	11.678	83	85814	1.014	ppbv#	89
61) o-Xylene	11.686	91	102934	1.022	ppbv	92
64) Isopropylbenzene	12.004	105	135500	1.060	ppbv#	95
66) 4-Ethyltoluene	12.377	105	142079	1.097	ppbv#	94
67) 1,3,5-Trimethylbenzene	12.416	105	104270	1.021	ppbv#	93
68) 1,2,4-Trimethylbenzene	12.665	105	113680	1.049	ppbv#	93
70) Benzyl chloride	12.766	91	81508	1.025	ppbv#	93
71) 1,3-Dichlorobenzene	12.781	146	65042	1.039	ppbv#	94
72) 1,4-Dichlorobenzene	12.828	146	62652	1.060	ppbv	97
73) sec-Butylbenzene	12.828	105	172871	1.085	ppbv#	93
74) 4-Isopropyltoluene	12.921	119	145382	1.067	ppbv#	92
75) 1,2-Dichlorobenzene	13.046	146	63421	1.085	ppbv	93
76) n-Butylbenzene	13.186	91	135950	1.086	ppbv#	92
77) 1,2,4-Trichlorobenzene	14.228	180	37690	1.219	ppbv	99
78) Naphthalene	14.329	128	108554	1.315	ppbv#	99
79) Hexachlorobutadiene	14.585	225	44100	1.076	ppbv	99
81] 1,2-Dichlorotetrafluor...	4.336	85	69821	0.901	ppbv#	65
82] Vinyl Chloride(sim)	4.447	62	33564	0.920	ppbv	98
83] Bromomethane(sim)	4.800	94	26246	0.832	ppbv#	98
84] Trichlorofluoromethane...	5.532	101	68052	0.941	ppbv#	98
85] 1,2-Dichloroethane(sim)	8.010	62	40154	0.897	ppbv	97
86] 1,1,1-Trichloroethane(...	8.175	97	60733	0.942	ppbv#	97
87] Benzene(sim)	8.450	78	101578	0.909	ppbv	96
88] Carbon Tetrachloride(sim)	8.548	117	56797	1.050	ppbv	99
89] 1,1-Dichloroethene(sim)	5.987	61	49047	0.922	ppbv	96
90] Trichlorotrifluoroetha...	6.240	101	57711	0.954	ppbv#	86
91] Trans-1,2-Dichloroethe...	6.688	61	44179	0.919	ppbv	98
92] 1,1-Dichloroethane(sim)	6.821	63	60478	0.939	ppbv	97
93] Cis-1,2-Dichloroethene...	7.353	61	43764	0.912	ppbv	98
94] Chloroform(sim)	7.543	83	65304	0.943	ppbv	98
96] 1,2-dichloropropane(sim)	8.929	63	39246	0.905	ppbv#	94
97] Bromodichloromethane(sim)	9.047	83	64635	0.949	ppbv	98
98] Trichloroethene(sim)	9.067	130	36844	0.960	ppbv#	88
99] 1,4-Dioxane(sim)	9.056	88	20127	1.233	ppbv	94
100] cis-1,3-Dichloropropen...	9.550	75	62315	0.995	ppbv#	93
101] 1,1,2-Trichloroethane(...	9.955	97	34674	0.973	ppbv	95
102] Dibromochloromethane(sim)	10.373	129	62149	1.034	ppbv	99
103] 1,2-Dibromoethane(EDB)...	10.511	107	54404	0.992	ppbv	98
104] Tetrachloroethene(sim)	10.760	166	42553	0.941	ppbv	98
106] Bromoform(sim)	11.499	173	56455	1.120	ppbv	100
107] m, p-Xylene(sim)	11.420	91	198601	1.923	ppbv#	92
108] 1,1,2,2-Tetrachloroeth...	11.681	83	93273	0.993	ppbv#	98
109] Benzyl chloride(sim)	12.766	91	81508	1.155	ppbv	93
110] 1,3-Dichlorobenzene(sim)	12.784	146	77608	1.199	ppbv	96
111] 1,4-Dichlorobenzene(sim)	12.828	146	62652	1.122	ppbv	97

Quantitation Report (RF) (QT Reviewed)

Data Path : H:\AIR2025\CHEM24\09SEP\23\
Data File : 0923_15.D
Acq On : 23 Sep 2025 7:47 pm
Operator : Keith
Client ID : ICAL 1
Lab ID : 1ppb ; T01509 ; AIR36
ALS Vial : 16 Sample Multiplier: 1

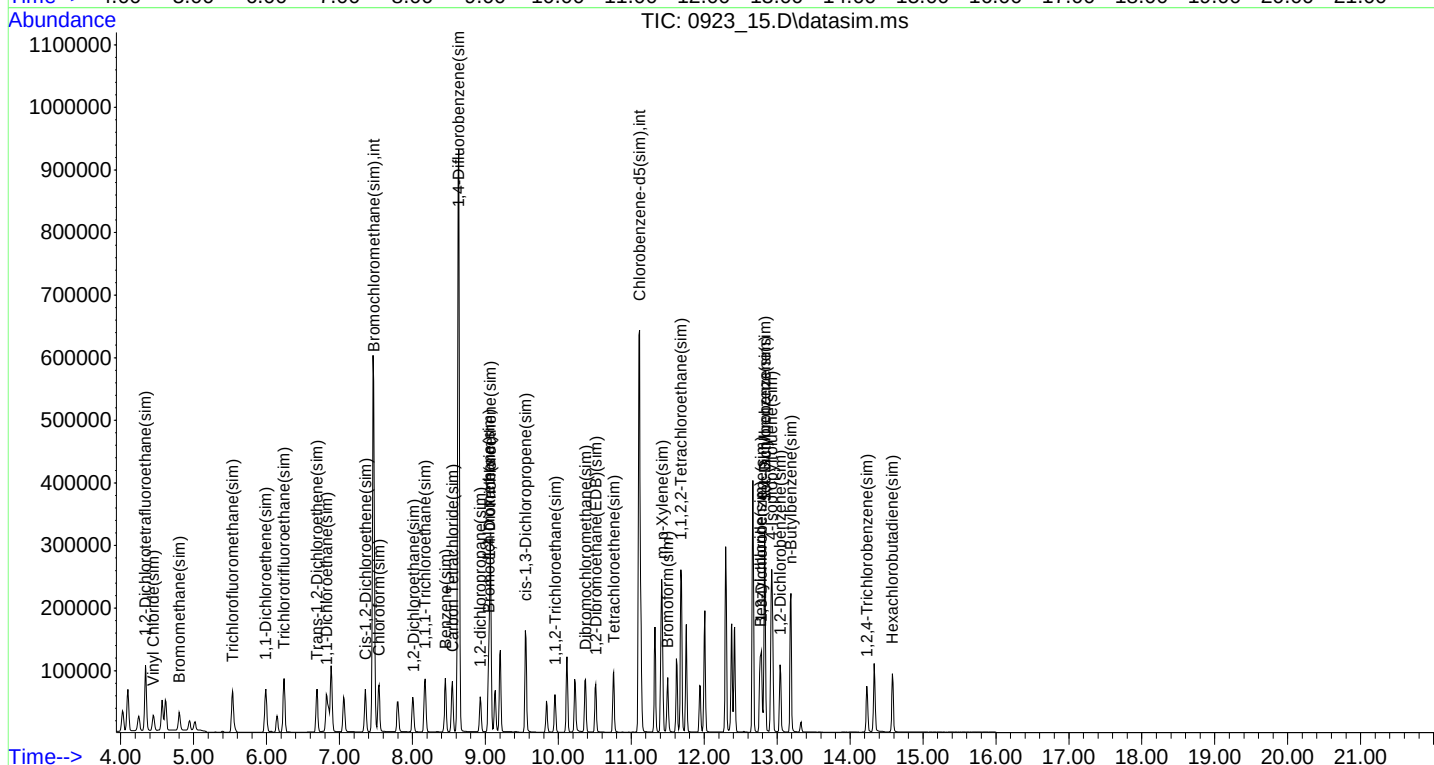
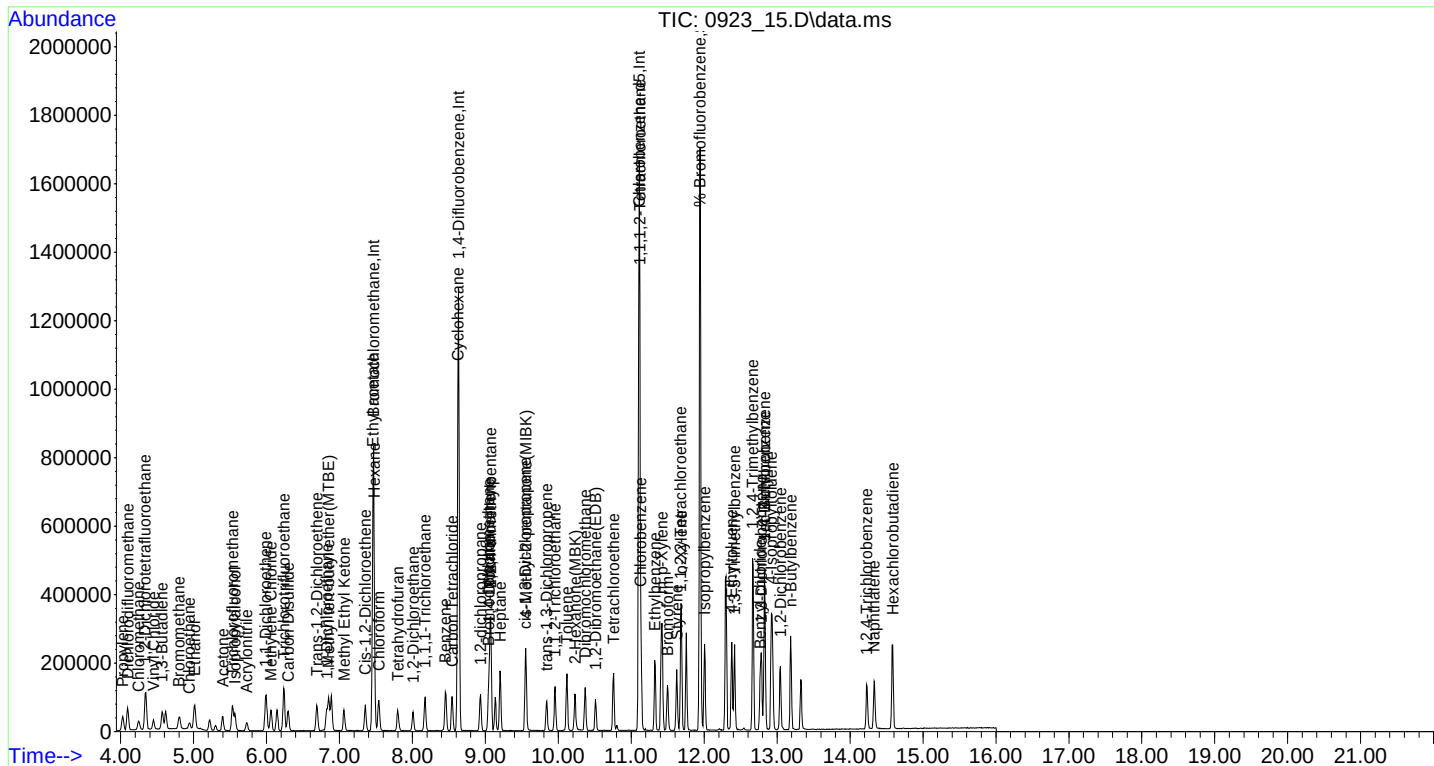
Quant Time: Sep 24 13:58:33 2025
Quant Method : H:\AIR2025\CHEM24\Methods\24_AIR_0923.M
Quant Title : VOA Standards for 5 point calibration
QLast Update : Wed Sep 24 13:58:02 2025
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
112]	sec-Butylbenzene(sim)	12.831	105	186135	1.043	ppbv	94
113]	4-Isopropyltoluene(sim)	12.921	119	145517	1.055	ppbv#	92
114]	1,2-Dichlorobenzene(sim)	13.041	146	72542	1.118	ppbv	96
115]	n-Butylbenzene(sim)	13.186	91	135943	1.190	ppbv	92
116]	1,2,4-Trichlorobenzene...	14.230	180	45239	1.004	ppbv	99
118]	Hexachlorobutadiene(sim)	14.580	225	52790	1.026	ppbv	97

(#)out of range (m>manual integration reviewed by analyst (+)signals summed

Data Path : H:\AIR2025\CHEM24\09SEP\23\
Data File : 0923_15.D
Acq On : 23 Sep 2025 7:47 pm
Operator : Keith
Client ID : ICA1
Lab ID : 1ppb ; T01509 ; AIR36
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Sep 24 13:58:33 2025
Quant Method : H:\AIR2025\CHEM24\Methods\24_AIR_0923.M
Quant Title : VOA Standards for 5 point calibration
QLast Update : Wed Sep 24 13:58:02 2025
Response via : Initial Calibration



Quantitation Report (RF) (QT Reviewed)

Data Path : H:\AIR2025\CHEM24\09SEP\23\
 Data File : 0923_16.D
 Acq On : 23 Sep 2025 8:22 pm
 Operator : Keith
 Client ID : ICAL 10
 Lab ID : 10ppb ; T01509 ; AIR36
 ALS Vial : 16 Sample Multiplier: 1

Quant Time: Sep 24 13:58:53 2025
 Quant Method : H:\AIR2025\CHEM24\Methods\24_AIR_0923.M
 Quant Title : VOA Standards for 5 point calibration
 QLast Update : Wed Sep 24 13:58:02 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	7.467	130	182020	10.000	ng	0.00
36) 1,4-Difluorobenzene	8.632	114	720630	10.000	ng	0.00
53) Chlorobenzene-d5	11.110	82	428498	10.000	ng	0.00
80) Bromochloromethane(sim)	7.470	130	199835	10.000	ng	# 0.00
95) 1,4-Difluorobenzene(sim)	8.632	114	720630	10.000	ng	0.00
105) Chlorobenzene-d5(sim)	11.110	82	428498	10.000	ng	0.00

System Monitoring Compounds						
62) % Bromofluorobenzene	11.944	95	503988	10.216	ppbv	0.00
Spiked Amount	10.000	Range 70 - 130	Recovery	= 102.20%		

Target Compounds					Qvalue	
2) Propylene	4.029	41	262817	9.093	ppbv	100
3) Dichlorodifluoromethane	4.096	85	706810	10.257	ppbv	95
4) Chloromethane	4.245	50	309829	9.937	ppbv	99
5) 1,2-Dichlorotetrafluor...	4.336	85	739147	10.234	ppbv#	65
6) Vinyl Chloride	4.452	62	328239	10.227	ppbv	99
7) 1,3-Butadiene	4.568	54	250060	9.973	ppbv	93
8) Bromomethane	4.800	94	266782	10.116	ppbv#	97
9) Chloroethane	4.941	64	153051	10.066	ppbv	90
11) Ethanol	5.016	45	106470	9.685	ppbv	93
12) Acetone	5.388	43	492071	9.473	ppbv	97
13) Trichlorofluoromethane	5.529	101	657427	10.313	ppbv	96
14) Isopropylalcohol	5.554	45	659341	10.824	ppbv	98
15) Acrylonitrile	5.725	53	195493	9.807	ppbv	95
16) 1,1-Dichloroethene	5.987	61	504484	10.088	ppbv	94
17) Methylene Chloride	6.059	49	398070	9.752	ppbv	95
20) Carbon Disulfide	6.297	76	868537	10.192	ppbv	100
21) Trichlorotrifluoroethane	6.237	101	554601	10.307	ppbv#	78
22) Trans-1,2-Dichloroethene	6.688	61	467485	10.276	ppbv	97
23) 1,1-Dichloroethane	6.826	63	597829	10.347	ppbv	98
24) Methyl tert-butyl ethe...	6.842	73	830072	10.231	ppbv#	87
25) Methyl Ethyl Ketone	7.053	43	748709	10.211	ppbv	94
26) Cis-1,2-Dichloroethene	7.353	61	456226	10.215	ppbv	95
27) Hexane	7.475	57	501417	10.138	ppbv#	97
28) Chloroform	7.540	83	630509	10.255	ppbv	99
29) Ethyl acetate	7.451	61	113849	10.579	ppbv#	77
30) Tetrahydrofuran	7.791	42	384765	10.250	ppbv#	89
31) 1,2-Dichloroethane	8.010	62	420012	10.171	ppbv	98
32) 1,1,1-Trichloroethane	8.172	97	584137	10.399	ppbv	96
33) Benzene	8.450	78	1016919	10.114	ppbv	96
34) Carbon Tetrachloride	8.545	117	565109	10.690	ppbv	98
35) Cyclohexane	8.623	84	361662	10.097	ppbv#	79
37) 1,2-dichloropropane	8.935	63	386560	10.212	ppbv#	93
38) Bromodichloromethane	9.047	83	710168	10.485	ppbv	95
39) Trichloroethene	9.065	130	343120	10.313	ppbv#	91
40) 2,2,4-trimethylpentane	9.073	57	1742568	10.924	ppbv	97
41) 1,4-Dioxane	9.047	88	189158	10.853	ppbv	96
43) Heptane	9.203	43	695894	10.282	ppbv#	89
44) cis-1,3-Dichloropropene	9.554	75	619853	10.534	ppbv	90
45) 4-Methyl-2-pentanone(M...	9.547	43	919979	10.553	ppbv	98
46) trans-1,3-Dichloropropene	9.843	75	479945	10.576	ppbv#	91
47) 1,1,2-Trichloroethane	9.955	97	355200	10.358	ppbv	92
48) Toluene	10.117	91	1052133	10.788	ppbv	99

Quantitation Report (RF) (QT Reviewed)

Data Path : H:\AIR2025\CHEM24\09SEP\23\
 Data File : 0923_16.D
 Acq On : 23 Sep 2025 8:22 pm
 Operator : Keith
 Client ID : ICAL 10
 Lab ID : 10ppb ; T01509 ; AIR36
 ALS Vial : 16 Sample Multiplier: 1

Quant Time: Sep 24 13:58:53 2025
 Quant Method : H:\AIR2025\CHEM24\Methods\24_AIR_0923.M
 Quant Title : VOA Standards for 5 point calibration
 QLast Update : Wed Sep 24 13:58:02 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
49) Dibromochloromethane	10.370	129	617752	10.763	ppbv	97
50) 2-Hexanone(MBK)	10.223	43	845689	11.639	ppbv	96
51) 1,2-Dibromoethane(EDB)	10.511	107	580982	10.605	ppbv	98
52) Tetrachloroethene	10.758	166	397201	10.331	ppbv	96
54) 1,1,1,2-Tetrachloroethane	11.117	131	409474	10.639	ppbv	98
55) Chlorobenzene	11.132	112	767376	10.696	ppbv	89
56) Ethylbenzene	11.322	91	1404892	11.455	ppbv	91
57) m, p-Xylene	11.420	91	2186765	24.061	ppbv	90
58) Bromoform	11.496	173	550065	11.157	ppbv	100
59) Styrene	11.625	104	750645	11.121	ppbv	91
60) 1,1,2,2-Tetrachloroethane	11.678	83	926537	11.049	ppbv#	86
61) o-Xylene	11.686	91	1124809	11.263	ppbv	90
64) Isopropylbenzene	12.004	105	1436033	11.338	ppbv#	94
66) 4-Ethyltoluene	12.377	105	1515154	11.809	ppbv#	92
67) 1,3,5-Trimethylbenzene	12.416	105	1114299	11.006	ppbv#	92
68) 1,2,4-Trimethylbenzene	12.665	105	1237709	11.528	ppbv#	93
70) Benzyl chloride	12.766	91	1020395	12.952	ppbv#	93
71) 1,3-Dichlorobenzene	12.789	146	689527	11.117	ppbv	95
72) 1,4-Dichlorobenzene	12.828	146	658130	11.231	ppbv	96
73) sec-Butylbenzene	12.828	105	1861439	11.787	ppbv	94
74) 4-Isopropyltoluene	12.922	119	1579298	11.694	ppbv	94
75) 1,2-Dichlorobenzene	13.046	146	630504	10.884	ppbv#	93
76) n-Butylbenzene	13.186	91	1523385	12.276	ppbv#	91
77) 1,2,4-Trichlorobenzene	14.228	180	332444	10.590	ppbv	97
78) Naphthalene	14.329	128	932567	11.395	ppbv#	99
79) Hexachlorobutadiene	14.585	225	413120	10.167	ppbv	99
81] 1,2-Dichlorotetrafluor...	4.336	85	737548	9.933	ppbv#	65
82] Vinyl Chloride(sim)	4.447	62	353503	10.105	ppbv	99
83] Bromomethane(sim)	4.800	94	266782	8.824	ppbv#	97
84] Trichlorofluoromethane...	5.532	101	727419	10.494	ppbv#	97
85] 1,2-Dichloroethane(sim)	8.010	62	420012	9.785	ppbv	98
86] 1,1,1-Trichloroethane(...	8.175	97	648412	10.496	ppbv#	97
87] Benzene(sim)	8.450	78	1016919	9.497	ppbv	96
88] Carbon Tetrachloride(sim)	8.548	117	624193	12.037	ppbv	98
89] 1,1-Dichloroethene(sim)	5.987	61	504484	9.890	ppbv	94
90] Trichlorotrifluoroetha...	6.240	101	610629	10.532	ppbv#	86
91] Trans-1,2-Dichloroethe...	6.688	61	467485	10.139	ppbv	97
92] 1,1-Dichloroethane(sim)	6.821	63	644676	10.438	ppbv	98
93] Cis-1,2-Dichloroethene...	7.353	61	456226	9.913	ppbv	95
94] Chloroform(sim)	7.543	83	689960	10.394	ppbv	97
96] 1,2-dichloropropane(sim)	8.929	63	417943	10.136	ppbv#	95
97] Bromodichloromethane(sim)	9.047	83	710168	10.963	ppbv	98
98] Trichloroethene(sim)	9.067	130	380001	10.412	ppbv#	88
99] 1,4-Dioxane(sim)	9.047	88	189158	12.181	ppbv	96
100] cis-1,3-Dichloropropen...	9.550	75	674322	11.315	ppbv#	92
101] 1,1,2-Trichloroethane(...	9.955	97	355200	10.480	ppbv	92
102] Dibromochloromethane(sim)	10.373	129	682180	11.937	ppbv	98
103] 1,2-Dibromoethane(EDB)...	10.511	107	580982	11.140	ppbv	98
104] Tetrachloroethene(sim)	10.761	166	451995	10.508	ppbv	99
106] Bromoform(sim)	11.499	173	611479	12.245	ppbv	99
107] m, p-Xylene(sim)	11.420	91	2192662	21.426	ppbv#	90
108] 1,1,2,2-Tetrachloroeth...	11.681	83	1002821	10.776	ppbv#	97
109] Benzyl chloride(sim)	12.766	91	1020395	7.196	ppbv	93
110] 1,3-Dichlorobenzene(sim)	12.785	146	816248	12.729	ppbv	96
111] 1,4-Dichlorobenzene(sim)	12.828	146	658130	11.887	ppbv	96

Data Path : H:\AIR2025\CHEM24\09SEP\23\
Data File : 0923_16.D
Acq On : 23 Sep 2025 8:22 pm
Operator : Keith
Client ID : ICAL 10
Lab ID : 10ppb ; T01509 ; AIR36
ALS Vial : 16 Sample Multiplier: 1

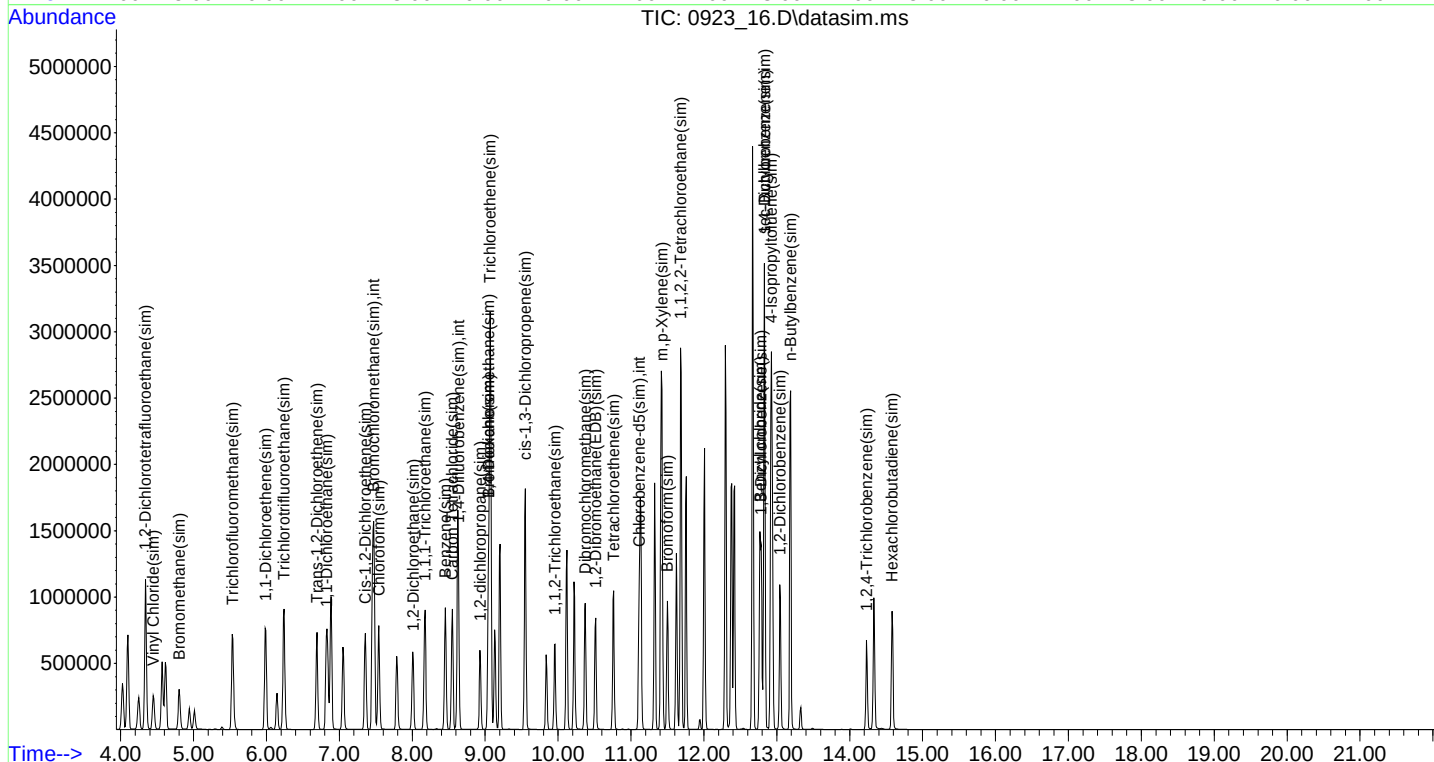
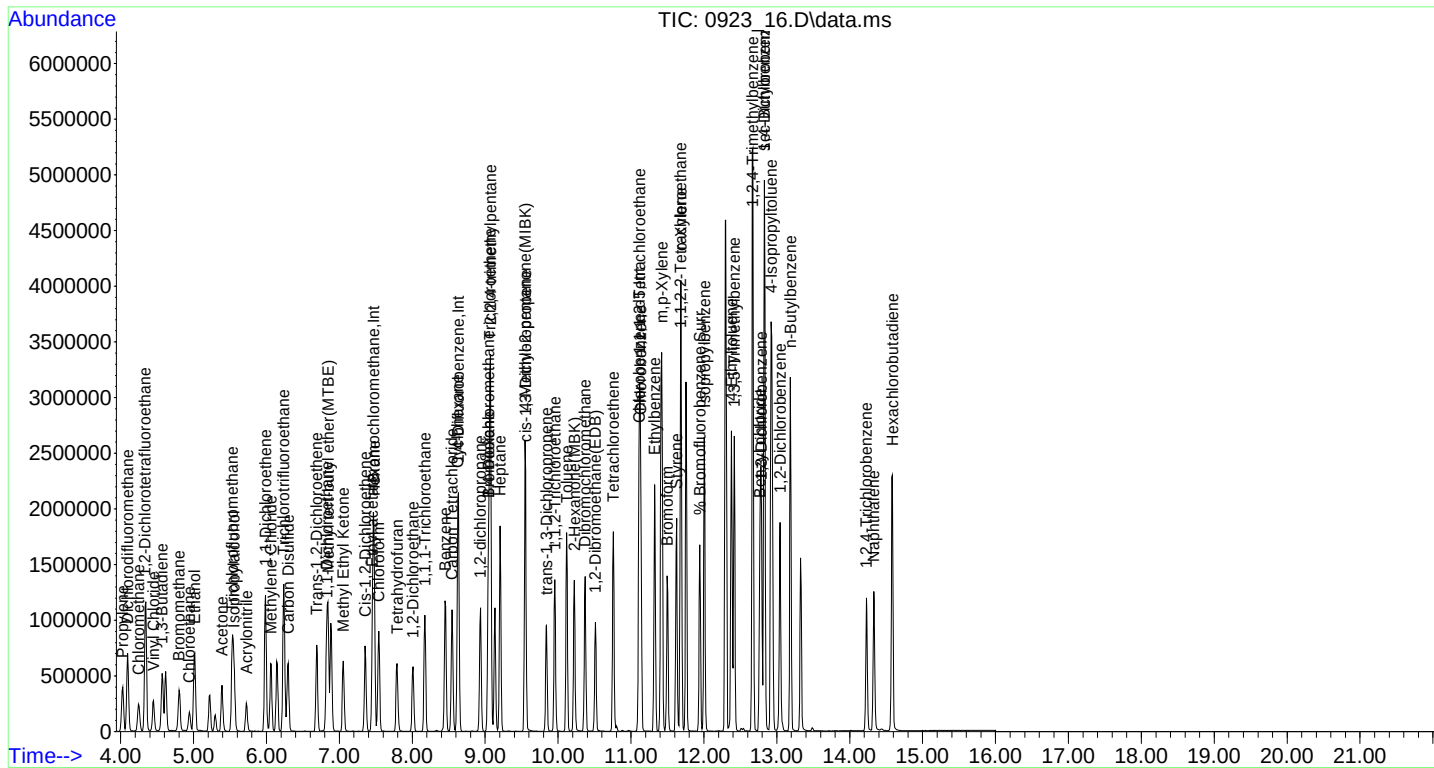
Quant Time: Sep 24 13:58:53 2025
Quant Method : H:\AIR2025\CHEM24\Methods\24_AIR_0923.M
Quant Title : VOA Standards for 5 point calibration
QLast Update : Wed Sep 24 13:58:02 2025
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
112]	sec-Butylbenzene(sim)	12.831	105	2040984	11.535	ppbv	94
113]	4-Isopropyltoluene(sim)	12.922	119	1580353	11.559	ppbv	94
114]	1,2-Dichlorobenzene(sim)	13.041	146	732910	11.393	ppbv	95
115]	n-Butylbenzene(sim)	13.186	91	1523385	13.453	ppbv	91
116]	1,2,4-Trichlorobenzene...	14.231	180	388606	2.927	ppbv	99
118]	Hexachlorobutadiene(sim)	14.580	225	494824	8.557	ppbv	97

(#)out of range (m>manual integration reviewed by analyst (+)signals summed

Data Path : H:\AIR2025\CHEM24\09SEP\23\
Data File : 0923_16.D
Acq On : 23 Sep 2025 8:22 pm
Operator : Keith
Client ID : ICAL 10
Lab ID : 10ppb ; T01509 ; AIR36
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Sep 24 13:58:53 2025
Quant Method : H:\AIR2025\CHEM24\Methods\24_AIR_0923.M
Quant Title : VOA Standards for 5 point calibration
QLast Update : Wed Sep 24 13:58:02 2025
Response via : Initial Calibration



6
AIR ICV RECOVERY

Lab Name: Phoenix Environmental Labs Client: FPMGROUP
 Lab Code: Phoenix Case No: _____ SAS No: _____ SDG No GCU37304
 ICV - Client Id: ICV_CHEM24_0923

COMPOUND	SPIKE ADDED (ppbv)		ICV CONCENTRATION (ppbv)	ICV % REC #	QC. LIMITS REC.	
Propylene	10		9.144	91	70	130
Dichlorodifluoromethane	10		10.28	103	70	130
Chloromethane	10		9.944	99	70	130
1,2-Dichlorotetrafluoroethane	10		10.38	104	70	130
Vinyl Chloride	10		10.27	103	70	130
1,3-Butadiene	10		10.10	101	70	130
Bromomethane	10		10.21	102	70	130
Chloroethane	10		10.04	100	70	130
Ethanol	10		10.84	108	70	130
Acetone	10		9.589	96	70	130
Trichlorofluoromethane	10		10.45	105	70	130
Isopropylalcohol	10		11.18	112	70	130
Acrylonitrile	10		11.69	117	70	130
1,1-Dichloroethene	10		10.22	102	70	130
Methylene Chloride	10		9.782	98	70	130
Carbon Disulfide	10		10.33	103	70	130
Trichlorotrifluoroethane	10		10.40	104	70	130
Trans-1,2-Dichloroethene	10		10.52	105	70	130
1,1-Dichloroethane	10		10.20	102	70	130
Methyl tert-butyl ether(MTBE)	10		10.32	103	70	130
Methyl Ethyl Ketone	10		10.29	103	70	130
Cis-1,2-Dichloroethene	10		10.10	101	70	130
Hexane	10		10.45	105	70	130
Chloroform	10		10.35	104	70	130
Ethyl acetate	10		11.26	113	70	130
Tetrahydrofuran	10		9.970	100	70	130
1,2-Dichloroethane	10		10.43	104	70	130
1,1,1-Trichloroethane	10		10.44	104	70	130
Benzene	10		10.32	103	70	130
Carbon Tetrachloride	10		10.65	107	70	130
Cyclohexane	10		10.23	102	70	130
1,2-dichloropropane	10		10.34	103	70	130
Bromodichloromethane	10		10.56	106	70	130
Trichloroethene	10		10.57	106	70	130
2,2,4-trimethylpentane	10		11.03	110	70	130
1,4-Dioxane	10		11.31	113	70	130
Heptane	10		10.38	104	70	130
cis-1,3-Dichloropropene	10		10.58	106	70	130
4-Methyl-2-pentanone(MIBK)	10		10.63	106	70	130
trans-1,3-Dichloropropene	10		10.63	106	70	130
1,1,2-Trichloroethane	10		10.47	105	70	130
Toluene	10		11.03	110	70	130
Dibromochloromethane	10		10.75	108	70	130
2-Hexanone(MBK)	10		11.62	116	70	130

FORM VI AIR

ICV - Client Id: ICV_CHEM24_0923[illegible]

Data Path : H:\AIR2025\CHEM24\09SEP\23\
 Data File : 0923_17.D
 Acq On : 23 Sep 2025 8:59 pm
 Operator : Keith
 Client ID : ICV_CHEM24_0923
 Lab ID : 10ppb lcs ; T01515
 ALS Vial : 17 Sample Multiplier: 1

Quant Time: Sep 24 13:59:08 2025
 Quant Method : H:\AIR2025\CHEM24\Methods\24_AIR_0923.M
 Quant Title : VOA Standards for 5 point calibration
 QLast Update : Wed Sep 24 13:58:02 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	7.467	130	179683	10.000	ng	0.00
36) 1,4-Difluorobenzene	8.632	114	710549	10.000	ng	0.00
53) Chlorobenzene-d5	11.111	82	429720	10.000	ng	0.00
80) Bromochloromethane(sim)	7.470	130	196790	10.000	ng	# 0.00
95) 1,4-Difluorobenzene(sim)	8.632	114	710549	10.000	ng	0.00
105) Chlorobenzene-d5(sim)	11.111	82	429720	10.000	ng	0.00

System Monitoring Compounds

62) % Bromofluorobenzene	11.945	95	498378	10.074	ppbv	0.00
Spiked Amount	10.000	Range 70 - 130	Recovery	= 100.70%		

Target Compounds

					Qvalue	
2) Propylene	4.029	41	260885	9.144	ppbv	100
3) Dichlorodifluoromethane	4.095	85	699254	10.279	ppbv	95
4) Chloromethane	4.245	50	306070	9.944	ppbv	99
5) 1,2-Dichlorotetrafluor...	4.336	85	740317	10.383	ppbv#	65
6) Vinyl Chloride	4.452	62	325223	10.265	ppbv	100
7) 1,3-Butadiene	4.568	54	249923	10.097	ppbv	93
8) Bromomethane	4.800	94	265675	10.205	ppbv#	97
9) Chloroethane	4.941	64	150727	10.042	ppbv	90
11) Ethanol	5.016	45	117674	10.844	ppbv	95
12) Acetone	5.388	43	491706	9.589	ppbv	97
13) Trichlorofluoromethane	5.529	101	657292	10.445	ppbv	96
14) Isopropylalcohol	5.554	45	671967	11.175	ppbv	99
15) Acrylonitrile	5.725	53	229947	11.686	ppbv	99
16) 1,1-Dichloroethene	5.987	61	504613	10.222	ppbv	94
17) Methylene Chloride	6.058	49	394179	9.782	ppbv	95
20) Carbon Disulfide	6.296	76	868860	10.328	ppbv	100
21) Trichlorotrifluoroethane	6.237	101	552325	10.398	ppbv#	77
22) Trans-1,2-Dichloroethene	6.688	61	472509	10.522	ppbv	96
23) 1,1-Dichloroethane	6.826	63	581920	10.203	ppbv	98
24) Methyl tert-butyl ethe...	6.842	73	826854	10.324	ppbv#	87
25) Methyl Ethyl Ketone	7.053	43	745061	10.293	ppbv	93
26) Cis-1,2-Dichloroethene	7.353	61	445076	10.095	ppbv	96
27) Hexane	7.475	57	509979	10.446	ppbv#	98
28) Chloroform	7.540	83	627946	10.346	ppbv	99
29) Ethyl acetate	7.450	61	119574	11.255	ppbv#	76
30) Tetrahydrofuran	7.791	42	369460	9.970	ppbv#	90
31) 1,2-Dichloroethane	8.010	62	425009	10.425	ppbv	98
32) 1,1,1-Trichloroethane	8.172	97	579183	10.445	ppbv	96
33) Benzene	8.450	78	1024294	10.320	ppbv	96
34) Carbon Tetrachloride	8.545	117	555872	10.652	ppbv	99
35) Cyclohexane	8.623	84	361614	10.227	ppbv#	79
37) 1,2-dichloropropane	8.935	63	386087	10.344	ppbv#	94
38) Bromodichloromethane	9.047	83	705297	10.560	ppbv	95
39) Trichloroethene	9.064	130	346899	10.574	ppbv#	91
40) 2,2,4-trimethylpentane	9.073	57	1734318	11.027	ppbv	97
41) 1,4-Dioxane	9.047	88	194332	11.308	ppbv	95
43) Heptane	9.203	43	692789	10.381	ppbv#	89
44) cis-1,3-Dichloropropene	9.548	75	613679	10.577	ppbv	91
45) 4-Methyl-2-pentanone(M...	9.548	43	913987	10.633	ppbv	98
46) trans-1,3-Dichloropropene	9.837	75	475420	10.625	ppbv#	90
47) 1,1,2-Trichloroethane	9.957	97	354195	10.475	ppbv	91
48) Toluene	10.118	91	1060290	11.026	ppbv	99

Data Path : H:\AIR2025\CHEM24\09SEP\23\
 Data File : 0923_17.D
 Acq On : 23 Sep 2025 8:59 pm
 Operator : Keith
 Client ID : ICV_CHEM24_0923
 Lab ID : 10ppb lcs ; T01515
 ALS Vial : 17 Sample Multiplier: 1

Quant Time: Sep 24 13:59:08 2025
 Quant Method : H:\AIR2025\CHEM24\Methods\24_AIR_0923.M
 Quant Title : VOA Standards for 5 point calibration
 QLast Update : Wed Sep 24 13:58:02 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
49) Dibromochloromethane	10.372	129	608125	10.746	ppbv	98
50) 2-Hexanone(MBK)	10.224	43	832480	11.620	ppbv	96
51) 1,2-Dibromoethane(EDB)	10.513	107	578827	10.716	ppbv	97
52) Tetrachloroethene	10.759	166	395840	10.442	ppbv	96
54) 1,1,1,2-Tetrachloroethane	11.118	131	392632	10.173	ppbv	98
55) Chlorobenzene	11.134	112	757467	10.528	ppbv	89
56) Ethylbenzene	11.323	91	1392186	11.319	ppbv	91
57) m, p-Xylene	11.422	91	2172225	23.833	ppbv	90
58) Bromoform	11.498	173	526216	10.643	ppbv	99
59) Styrene	11.627	104	730372	10.790	ppbv	91
60) 1,1,2,2-Tetrachloroethane	11.680	83	908190	10.800	ppbv#	87
61) o-Xylene	11.687	91	1120457	11.187	ppbv	90
64) Isopropylbenzene	12.006	105	1364759	10.744	ppbv#	94
66) 4-Ethyltoluene	12.379	105	1430754	11.119	ppbv#	95
67) 1,3,5-Trimethylbenzene	12.418	105	1180752	11.629	ppbv#	89
68) 1,2,4-Trimethylbenzene	12.667	105	1217211	11.305	ppbv	92
70) Benzyl chloride	12.768	91	984708	12.463	ppbv#	93
71) 1,3-Dichlorobenzene	12.783	146	672245	10.807	ppbv	95
72) 1,4-Dichlorobenzene	12.822	146	624711	10.630	ppbv	96
73) sec-Butylbenzene	12.830	105	1759060	11.107	ppbv	94
74) 4-Isopropyltoluene	12.923	119	1458724	10.771	ppbv	94
75) 1,2-Dichlorobenzene	13.040	146	610383	10.506	ppbv	93
76) n-Butylbenzene	13.187	91	1391241	11.179	ppbv#	91
77) 1,2,4-Trichlorobenzene	14.229	180	223499	7.162	ppbv	97
78) Naphthalene	14.330	128	647846	7.894	ppbv#	99
79) Hexachlorobutadiene	14.579	225	319539	7.842	ppbv	98
81] 1,2-Dichlorotetrafluor...	4.336	85	739374	10.112	ppbv#	65
82] Vinyl Chloride(sim)	4.447	62	349327	10.140	ppbv	99
83] Bromomethane(sim)	4.800	94	265675	8.924	ppbv#	96
84] Trichlorofluoromethane...	5.532	101	725578	10.629	ppbv#	97
85] 1,2-Dichloroethane(sim)	8.010	62	425009	10.054	ppbv	98
86] 1,1,1-Trichloroethane(...	8.175	97	647209	10.639	ppbv#	97
87] Benzene(sim)	8.450	78	1024294	9.714	ppbv	96
88] Carbon Tetrachloride(sim)	8.548	117	617362	12.090	ppbv	98
89] 1,1-Dichloroethene(sim)	5.987	61	504613	10.045	ppbv	94
90] Trichlorotrifluoroetha...	6.240	101	602614	10.555	ppbv#	86
91] Trans-1,2-Dichloroethe...	6.688	61	472509	10.407	ppbv	96
92] 1,1-Dichloroethane(sim)	6.821	63	635298	10.445	ppbv	98
93] Cis-1,2-Dichloroethene...	7.353	61	445076	9.820	ppbv	96
94] Chloroform(sim)	7.543	83	687724	10.520	ppbv	97
96] 1,2-dichloropropane(sim)	8.929	63	419138	10.310	ppbv#	95
97] Bromodichloromethane(sim)	9.047	83	705297	11.042	ppbv	97
98] Trichloroethene(sim)	9.067	130	385062	10.701	ppbv#	88
99] 1,4-Dioxane(sim)	9.047	88	194332	12.692	ppbv	95
100] cis-1,3-Dichloropropen...	9.551	75	670629	11.412	ppbv#	92
101] 1,1,2-Trichloroethane(...	9.957	97	354195	10.599	ppbv	91
102] Dibromochloromethane(sim)	10.368	129	671296	11.913	ppbv	98
103] 1,2-Dibromoethane(EDB)...	10.513	107	578827	11.256	ppbv	97
104] Tetrachloroethene(sim)	10.755	166	453149	10.684	ppbv	99
106] Bromoform(sim)	11.501	173	582003	11.621	ppbv	99
107] m, p-Xylene(sim)	11.422	91	2179280	21.235	ppbv#	90
108] 1,1,2,2-Tetrachloroeth...	11.683	83	985965	10.565	ppbv#	97
109] Benzyl chloride(sim)	12.768	91	984708	7.025	ppbv	93
110] 1,3-Dichlorobenzene(sim)	12.786	146	807611	12.558	ppbv	98
111] 1,4-Dichlorobenzene(sim)	12.822	146	624711	11.252	ppbv	96

Data Path : H:\AIR2025\CHEM24\09SEP\23\
Data File : 0923_17.D
Acq On : 23 Sep 2025 8:59 pm
Operator : Keith
Client ID : ICV_CHEM24_0923
Lab ID : 10ppb lcs ; T01515
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Sep 24 13:59:08 2025
Quant Method : H:\AIR2025\CHEM24\Methods\24_AIR_0923.M
Quant Title : VOA Standards for 5 point calibration
QLast Update : Wed Sep 24 13:58:02 2025
Response via : Initial Calibration

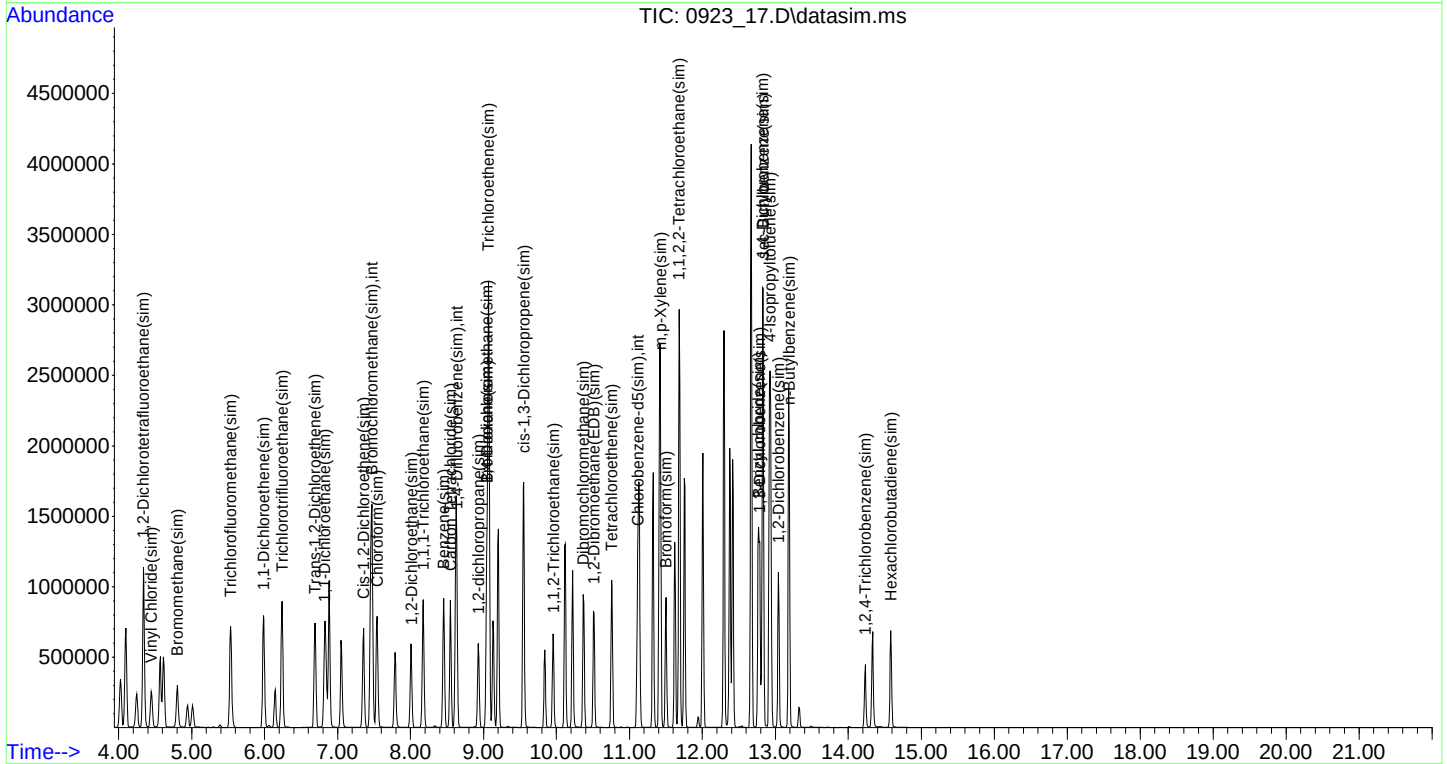
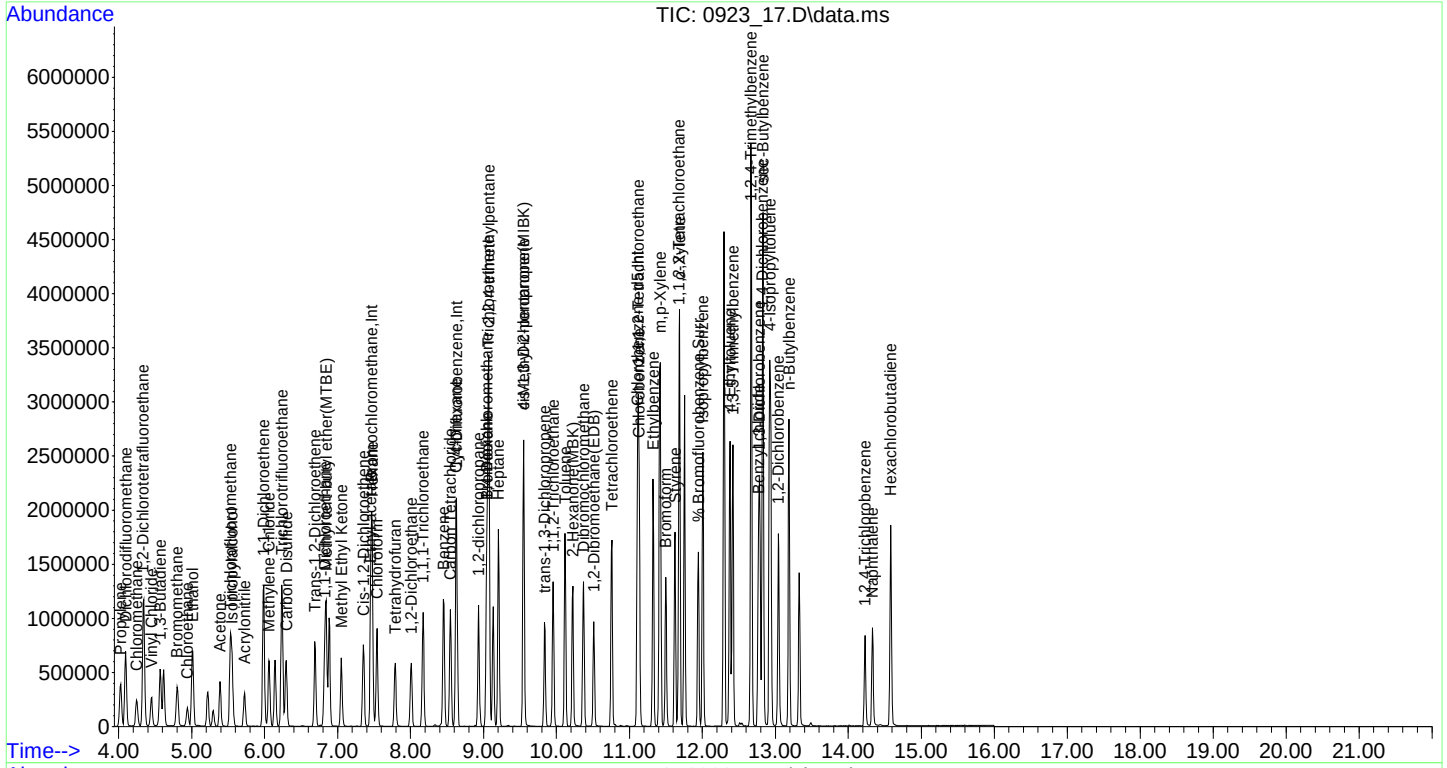
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
112] sec-Butylbenzene(sim)	12.833	105	1927890	10.865	ppbv	93
113] 4-Isopropyltoluene(sim)	12.923	119	1460613	10.653	ppbv	93
114] 1,2-Dichlorobenzene(sim)	13.043	146	704182	10.915	ppbv	95
115] n-Butylbenzene(sim)	13.187	91	1391241	12.251	ppbv	91
116] 1,2,4-Trichlorobenzene...	14.232	180	262325	2.404	ppbv	99
118] Hexachlorobutadiene(sim)	14.582	225	379305	6.734	ppbv	97

(#)out of range (m>manual integration reviewed by analyst (+)signals summed

(QT Reviewed)

Data Path : H:\AIR2025\CHEM24\09SEP\23\
Data File : 0923_17.D
Acq On : 23 Sep 2025 8:59 pm
Operator : Keith
Client ID : ICV_CHEM24_0923
Lab ID : 10ppb lcs ; T01515
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Sep 24 13:59:08 2025
Quant Method : H:\AIR2025\CHEM24\Methods\24_AIR_0923.M
Quant Title : VOA Standards for 5 point calibration
QLast Update : Wed Sep 24 13:58:02 2025
Response via : Initial Calibration



6B
AIR INITIAL CALIBRATION DATA

Lab Name: Phoenix Environmental Labs
Lab Code: Phoenix
Instrument ID: CHEM39
Heated Purge (Y/N): Y
GC Column: _____

Client: FPMGROUP
SDG No.: GCU37304
Calibration Date From: 09/20/25 13:30
Calibration Date Thru: 09/20/25 17:59
Method File: 39_AIR_0920.M

Laboratory File Ids

RRF1	0920_03.D	RRF2	0920_04.D	RRF3	0920_05.D	RRF4	0920_06.D	RRF5	0920_07.D	RRF6	0920_08.D	RRF7	0920_09.D	RRF8	0920_14.D	RRF9	0920_10.D	RRF10	0920_11.D	RRF11	0920_15.D	RRF12	0920_12.D	RRF13	0920_13.D
COMPOUND		RRF1 0.01	RRF2 0.02	RRF3 0.035	RRF4 0.05	RRF5 0.1	RRF6 0.2	RRF7 0.5	RRF8 1	RRF9 2.5	RRF10 5	RRF11 10	RRF12 25	RRF13 40	— RRF	% RSD									
Propylene							1.939	1.549	1.391	1.420	1.318	1.337	1.325	1.338	1.452	14.52									
Dichlorodifluoromethane							2.506	2.577	2.535	2.531	2.466	2.506	2.480	2.471	2.509	1.50									
Chloromethane							1.502	1.403	1.315	1.304	1.283	1.291	1.296	1.302	1.337	5.73									
1,2-Dichlorotetrafluoroethane							2.397	2.356	2.387	2.313	2.299	2.320	2.303	2.318	2.336	1.63									
Vinyl Chloride							1.114	1.158	1.082	1.104	1.095	1.108	1.103	1.120	1.110	2.02									
1,3-Butadiene							1.264	1.090	1.085	1.062	1.054	1.059	1.056	1.065	1.092	6.49									
Bromomethane							0.869	0.903	0.830	0.831	0.804	0.817	0.808	0.828	0.836	3.99									
Chloroethane							0.459	0.515	0.484	0.476	0.459	0.469	0.464	0.469	0.474	3.92									
Ethanol							0.648	0.592	0.560	0.501	0.396	0.412	0.389	0.384	0.485	21.55									
Acetone							3.604	2.936	2.761	2.649	2.472	2.508	2.476	2.488	2.737	14.17									
Trichlorofluoromethane							2.934	2.955	2.898	2.897	2.828	2.875	2.847	2.869	2.888	1.47									
Isopropylalcohol							3.002	3.073	3.198	3.040	2.679	2.838	2.709	2.721	2.907	6.75									
Acrylonitrile							0.840	0.936	0.944	0.992	0.931	0.951	0.978	0.995	0.946	5.23									
1,1-Dichloroethene							2.127	2.260	2.189	2.243	2.183	2.205	2.185	2.201	2.199	1.83									
Methylene Chloride							2.396	2.120	2.039	1.973	1.954	1.954	1.947	1.977	2.045	7.51									
Carbon Disulfide							2.854	2.834	2.872	2.849	2.796	2.863	2.859	2.889	2.852	0.98									
Trichlorotrifluoroethane							2.275	2.196	2.208	2.253	2.191	2.223	2.174	2.195	2.214	1.55									
Trans-1,2-Dichloroethene							2.082	2.099	2.037	2.052	2.045	2.052	2.059	2.087	2.064	1.07									
1,1-Dichloroethane							2.443	2.368	2.372	2.354	2.337	2.358	2.333	2.336	2.363	1.51									
Methyl tert-butyl ether(MTBE)							2.891	2.986	2.926	2.960	2.808	2.862	2.853	2.881	2.896	2.02									
Methyl Ethyl Ketone							3.736	3.627	3.983	3.612	3.444	3.496	3.499	3.580	3.622	4.76									
Cis-1,2-Dichloroethene							1.904	1.958	1.947	1.975	1.992	2.000	1.993	2.012	1.973	1.78									
Hexane							2.540	2.521	2.434	2.453	2.372	2.410	2.368	2.372	2.434	2.77									
Chloroform							2.368	2.279	2.334	2.339	2.262	2.281	2.269	2.290	2.303	1.68									

(#) The maximum %RSD was not met for this compound

Note: m,p-xylene TV is 2 times the TV Listed

(l) linear (q) quadratic (i) inverse conc weight (i2) inverse conc weight squared (f) force through zero

Compounds not using average response (l, li, lfi, li2, lfi2, q, qi, qfi, qi2, qfi2) display concentrations and not response factors

6B
AIR INITIAL CALIBRATION DATA

Lab Name: Phoenix Environmental Labs
 Lab Code: Phoenix
 Instrument ID: CHEM39
 Heated Purge (Y/N): Y
 GC Column: _____

Client: FPMGROUP
 SDG No.: GCU37304
 Calibration Date From: 09/20/25 13:30
 Calibration Date Thru: 09/20/25 17:59
 Method File: 39_AIR_0920.M

Laboratory File Ids

RRF1	<u>0920_03.D</u>	RRF2	<u>0920_04.D</u>	RRF3	<u>0920_05.D</u>	RRF4	<u>0920_06.D</u>	RRF5	<u>0920_07.D</u>	RRF6	<u>0920_08.D</u>				
RRF7	<u>0920_09.D</u>	RRF8	<u>0920_14.D</u>	RRF9	<u>0920_10.D</u>	RRF10	<u>0920_11.D</u>	RRF11	<u>0920_15.D</u>	RRF12	<u>0920_12.D</u>				
RRF13	<u>0920_13.D</u>														
COMPOUND	RRF1 0.01	RRF2 0.02	RRF3 0.035	RRF4 0.05	RRF5 0.1	RRF6 0.2	RRF7 0.5	RRF8 1	RRF9 2.5	RRF10 5	RRF11 10	RRF12 25	RRF13 40	— RRF	% RSD
Ethyl acetate						0.327	0.438	0.495	0.481	0.469	0.487	0.489	0.493	0.460	12.35
Tetrahydrofuran						1.982	2.022	2.000	1.949	1.848	1.846	1.857	1.904	1.926	3.73
1,2-Dichloroethane						1.817	1.767	1.825	1.878	1.830	1.844	1.853	1.876	1.836	1.95
1,1,1-Trichloroethane						2.351	2.414	2.434	2.451	2.391	2.427	2.442	2.466	2.422	1.51
Benzene						3.302	3.447	3.342	3.325	3.253	3.276	3.245	3.247	3.305	2.06
Carbon Tetrachloride						2.498	2.554	2.568	2.580	2.564	2.636	2.641	2.663	2.588	2.11
Cyclohexane						1.341	1.325	1.270	1.260	1.256	1.267	1.245	1.256	1.277	2.78
1,2-dichloropropane						0.436	0.425	0.433	0.431	0.426	0.424	0.423	0.423	0.428	1.17
Bromodichloromethane						0.591	0.617	0.618	0.634	0.635	0.638	0.637	0.629	0.625	2.55
Trichloroethene						0.393	0.393	0.413	0.400	0.400	0.398	0.385	0.376	0.395	2.82
2,2,4-trimethylpentane						2.107	2.077	2.071	2.075	2.031	1.993	1.894	1.762	2.001	5.89
1,4-Dioxane						0.133	0.164	0.271	0.182	0.135	0.143	0.140	0.136	0.163	28.85
Heptane						0.979	0.970	0.911	0.953	0.921	0.902	0.884	0.861	0.923	4.53
cis-1,3-Dichloropropene						0.495	0.514	0.529	0.525	0.526	0.529	0.531	0.527	0.522	2.33
4-Methyl-2-pentanone(MIBK)						1.214	1.204	1.283	1.187	0.997	1.000	1.020	0.988	1.112	10.93
trans-1,3-Dichloropropene						0.377	0.409	0.424	0.424	0.421	0.424	0.432	0.434	0.418	4.37
1,1,2-Trichloroethane						0.347	0.357	0.381	0.369	0.360	0.360	0.361	0.357	0.362	2.76
Toluene						1.075	1.073	1.118	1.089	1.068	1.073	1.046	1.018	1.070	2.73
Dibromochloromethane						0.632	0.658	0.734	0.701	0.708	0.718	0.724	0.717	0.699	5.09
2-Hexanone(MBK)						0.963	1.039	1.112	1.070	0.847	0.887	0.928	0.927	0.972	9.56
1,2-Dibromoethane(EDB)						0.570	0.594	0.665	0.608	0.600	0.598	0.599	0.592	0.603	4.51
Tetrachloroethene						0.539	0.531	0.549	0.527	0.525	0.525	0.513	0.502	0.526	2.74
1,1,1,2-Tetrachloroethane						0.891	0.919	0.977	0.929	0.934	0.920	0.851	0.788	0.901	6.47
Chlorobenzene						1.632	1.622	1.763	1.638	1.604	1.568	1.442	1.311	1.573	8.77

(#) The maximum %RSD was not met for this compound

Note: m,p-xylene TV is 2 times the TV Listed

(l) linear (q) quadratic (i) inverse conc weight (i2) inverse conc weight squared (f) force through zero

Compounds not using average response (l, li, lfi, li2, lfi2, q, qi, qfi, qi2, qfi2) display concentrations and not response factors

6B
AIR INITIAL CALIBRATION DATA

Lab Name: Phoenix Environmental Labs
Lab Code: Phoenix
Instrument ID: CHEM39
Heated Purge (Y/N): Y
GC Column: _____

Client: FPMGROUP
SDG No.: GCU37304
Calibration Date From: 09/20/25 13:30
Calibration Date Thru: 09/20/25 17:59
Method File: 39_AIR_0920.M

Laboratory File Ids

RRF1	<u>0920_03.D</u>	RRF2	<u>0920_04.D</u>	RRF3	<u>0920_05.D</u>	RRF4	<u>0920_06.D</u>	RRF5	<u>0920_07.D</u>	RRF6	<u>0920_08.D</u>				
RRF7	<u>0920_09.D</u>	RRF8	<u>0920_14.D</u>	RRF9	<u>0920_10.D</u>	RRF10	<u>0920_11.D</u>	RRF11	<u>0920_15.D</u>	RRF12	<u>0920_12.D</u>				
RRF13	<u>0920_13.D</u>														
COMPOUND	RRF1 0.01	RRF2 0.02	RRF3 0.035	RRF4 0.05	RRF5 0.1	RRF6 0.2	RRF7 0.5	RRF8 1	RRF9 2.5	RRF10 5	RRF11 10	RRF12 25	RRF13 40	— RRF	% RSD
Ethylbenzene					2.903	2.756	2.812	2.913	2.774	2.678	2.613	2.369	2.150	2.663	9.53
m,p-Xylene					2.468	2.206	2.235	1.857	2.196	2.132	2.073	1.851	1.640	2.073	12.09
Bromoform						1.207	1.271	1.567	1.372	1.313	1.343	1.272	1.194	1.317	8.97
Styrene						1.482	1.514	1.738	1.568	1.528	1.494	1.390	1.293	1.501	8.63
1,1,2,2-Tetrachloroethane						1.561	1.566	1.874	1.584	1.537	1.517	1.355	1.243	1.530	12.01
o-Xylene					2.341	2.258	2.248	2.365	2.260	2.174	2.107	1.917	1.730	2.156	9.68
Isopropylbenzene						3.158	3.223	3.326	3.151	3.033	2.962	2.649	2.357	2.983	10.90
4-Ethyltoluene						3.088	3.157	3.402	3.242	3.137	3.071	2.696	2.417	3.026	10.47
1,3,5-Trimethylbenzene						2.587	2.661	2.802	2.669	2.591	2.521	2.282	2.062	2.522	9.44
1,2,4-Trimethylbenzene						2.675	2.719	2.882	2.770	2.648	2.586	2.276	2.013	2.571	11.13
Benzyl chloride						1.558	1.637	2.434	1.972	1.992	2.112	1.917	1.764	1.923	14.49
1,3-Dichlorobenzene						1.580	1.667	1.993	1.744	1.714	1.696	1.515	1.386	1.662	10.79
1,4-Dichlorobenzene						1.569	1.580	1.911	1.676	1.633	1.609	1.435	1.297	1.589	11.23
sec-Butylbenzene						3.763	3.960	4.054	3.917	3.802	3.682	3.168	2.738	3.636	12.43
4-Isopropyltoluene						3.462	3.522	3.711	3.582	3.432	3.392	2.983	2.609	3.337	10.85
1,2-Dichlorobenzene						1.520	1.589	1.875	1.646	1.596	1.586	1.422	1.310	1.568	10.56
n-Butylbenzene						2.702	2.985	3.169	3.079	2.986	2.994	2.697	2.371	2.873	9.14
1,2,4-Trichlorobenzene						0.831	0.941	1.213	1.133	1.074	1.187	1.176	1.115	1.084	12.25
Naphthalene						2.149	2.096	2.794	2.347	2.124	2.423	2.429	2.315	2.335	9.77
Hexachlorobutadiene						1.388	1.366	1.429	1.367	1.253	1.289	1.185	1.088	1.296	8.92
1,2-Dichlorotetrafluoroethane(sim)	3.044	2.797	2.604	2.419	2.618	2.527	2.470	2.506	2.449	2.480				2.591	7.46
Vinyl Chloride(sim)	1.458	1.298	1.255	1.228	1.313	1.230	1.230	1.219	1.221	1.222				1.267	5.90
Bromomethane(sim)		1.129	1.095	1.099	0.774	0.917	0.946	0.872	0.881	0.868				0.953	13.11
Trichlorofluoromethane(sim)	3.306	3.138	3.060	3.024	3.240	3.075	3.059	3.045	3.051	3.041				3.104	3.07

(#) The maximum %RSD was not met for this compound

Note: m,p-xylene TV is 2 times the TV Listed

(l) linear (q) quadratic (i) inverse conc weight (i2) inverse conc weight squared (f) force through zero

Compounds not using average response (l, li, lfi, li2, fi2, q, qi, qfi, qi2, qfi2) display concentrations and not response factors

6B
AIR INITIAL CALIBRATION DATA

Lab Name: Phoenix Environmental Labs
Lab Code: Phoenix
Instrument ID: CHEM39
Heated Purge (Y/N): Y
GC Column: _____

Client: FPMGROUP
SDG No.: GCU37304
Calibration Date From: 09/20/25 13:30
Calibration Date Thru: 09/20/25 17:59
Method File: 39_AIR_0920.M

Laboratory File Ids

RRF1	<u>0920_03.D</u>	RRF2	<u>0920_04.D</u>	RRF3	<u>0920_05.D</u>	RRF4	<u>0920_06.D</u>	RRF5	<u>0920_07.D</u>	RRF6	<u>0920_08.D</u>				
RRF7	<u>0920_09.D</u>	RRF8	<u>0920_14.D</u>	RRF9	<u>0920_10.D</u>	RRF10	<u>0920_11.D</u>	RRF11	<u>0920_15.D</u>	RRF12	<u>0920_12.D</u>				
RRF13	<u>0920_13.D</u>														
COMPOUND	RRF1 0.01	RRF2 0.02	RRF3 0.035	RRF4 0.05	RRF5 0.1	RRF6 0.2	RRF7 0.5	RRF8 1	RRF9 2.5	RRF10 5	RRF11 10	RRF12 25	RRF13 40	— RRF	% RSD
1,2-Dichloroethane(sim)	2.248	2.239	1.985	1.999	1.911	1.915	1.853	1.917	1.989	1.975				2.003	6.73
1,1,1-Trichloroethane(sim)	2.841	2.596	2.633	2.566	2.768	2.603	2.620	2.614	2.625	2.629				2.650	3.24
Benzene(sim)			5.088	4.456	3.791	3.481	3.614	3.510	3.521					3.923	15.72
Carbon Tetrachloride(sim)	2.974	2.657	2.553	2.536	2.709	2.552	2.581	2.628	2.638					2.648	5.10
1,1-Dichloroethene(sim)	2.809	2.501	2.414	2.031	2.307	2.243	2.369	2.299	2.375	2.355				2.370	8.35
Trichlorotrifluoroethane(sim)	2.67	2.329	2.306	2.316	2.464	2.348	2.340	2.324	2.329	2.317				2.374	4.77
Trans-1,2-Dichloroethene(sim)		2.292	2.285	1.691	2.008	2.195	2.200	2.139	2.173	2.207				2.132	8.69
1,1-Dichloroethane(sim)	3.145	2.707	2.582	2.578	2.738	2.627	2.632	2.606	2.628	2.616				2.686	6.30
Cis-1,2-Dichloroethene(sim)	2.35	2.160	2.133	1.729	2.301	2.007	2.053	2.045	2.092	2.149				2.102	8.11
Chloroform(sim)		3.165	2.863	2.617	2.693	2.496	2.453	2.454	2.449	2.441				2.626	9.46
1,2-dichloropropane(sim)	0.553	0.481	0.468	0.431	0.473	0.446	0.448	0.454	0.453	0.447				0.465	7.29
Bromodichloromethane(sim)	0.78	0.656	0.693	0.555	0.669	0.591	0.617	0.618	0.634	0.635				0.645	9.52
Trichloroethene(sim)	0.45	0.394	0.407	0.380	0.409	0.386	0.393	0.392	0.390	0.384				0.399	5.10
1,4-Dioxane(sim) qfi			0.066	0.077	0.093	0.195	0.459	1.012						Coef R2	0.99
cis-1,3-Dichloropropene(sim)	0.56	0.549	0.560	0.501	0.554	0.539	0.549	0.565	0.553					0.548	3.48
1,1,2-Trichloroethane(sim)	0.507	0.382	0.396	0.346	0.394	0.347	0.357	0.381	0.369	0.360				0.384	12.22
Dibromochloromethane(sim)	0.729	0.632	0.616	0.623	0.667	0.627	0.643	0.693	0.661					0.655	5.69
1,2-Dibromoethane(EDB)(sim)	0.707	0.582	0.601	0.585	0.584	0.570	0.594	0.665	0.608	0.600				0.609	7.04
Tetrachloroethene(sim)	0.628	0.530	0.517	0.494	0.525	0.494	0.502	0.507	0.496	0.489	0.488			0.515	7.74
Bromoform(sim)		1.204	1.151	1.094	1.176	1.144	1.172	1.400	1.236					1.197	7.67
m,p-Xylene(sim)					2.468	2.206	2.235	2.321	2.196	2.139				2.261	5.21
1,1,2,2-Tetrachloroethane(sim)	2.009	1.606	1.572	1.535	1.620	1.527	1.570	1.870	1.586	1.531				1.643	9.92
Benzyl chloride(sim)			1.577	1.387	1.436	1.558	1.637	2.434	1.972					1.714	21.54
1,3-Dichlorobenzene(sim)		2.057	1.751	1.648	1.684	1.668	1.753	2.085	1.847	1.793				1.809	8.90

(#) The maximum %RSD was not met for this compound

Note: m,p-xylene TV is 2 times the TV Listed

(l) linear (q) quadratic (i) inverse conc weight (i2) inverse conc weight squared (f) force through zero

Compounds not using average response (l, li, lfi, li2, lfi2, q, qi, qfi, qi2, qfi2) display concentrations and not response factors

6B
AIR INITIAL CALIBRATION DATA

Lab Name: Phoenix Environmental Labs
 Lab Code: Phoenix
 Instrument ID: CHEM39
 Heated Purge (Y/N): Y
 GC Column: _____

Client: FPMGROUP
 SDG No.: GCU37304
 Calibration Date From: 09/20/25 13:30
 Calibration Date Thru: 09/20/25 17:59
 Method File: 39_AIR_0920.M

Laboratory File Ids

RRF1	<u>0920_03.D</u>	RRF2	<u>0920_04.D</u>	RRF3	<u>0920_05.D</u>	RRF4	<u>0920_06.D</u>	RRF5	<u>0920_07.D</u>	RRF6	<u>0920_08.D</u>	RRF7	<u>0920_09.D</u>	RRF8	<u>0920_10.D</u>	RRF9	<u>0920_11.D</u>	RRF10	<u>0920_12.D</u>	RRF11	<u>0920_13.D</u>	RRF12	<u>0920_14.D</u>	RRF13	<u>0920_15.D</u>	RRF14	<u>0920_16.D</u>	RRF15	<u>0920_17.D</u>	RRF16	<u>0920_18.D</u>	RRF17	<u>0920_19.D</u>	RRF18	<u>0920_20.D</u>	RRF19	<u>0920_21.D</u>	RRF20	<u>0920_22.D</u>	RRF21	<u>0920_23.D</u>	RRF22	<u>0920_24.D</u>	RRF23	<u>0920_25.D</u>	RRF24	<u>0920_26.D</u>	RRF25	<u>0920_27.D</u>	RRF26	<u>0920_28.D</u>	RRF27	<u>0920_29.D</u>	RRF28	<u>0920_30.D</u>	RRF29	<u>0920_31.D</u>	RRF30	<u>0920_32.D</u>	RRF31	<u>0920_33.D</u>	RRF32	<u>0920_34.D</u>	RRF33	<u>0920_35.D</u>	RRF34	<u>0920_36.D</u>	RRF35	<u>0920_37.D</u>	RRF36	<u>0920_38.D</u>	RRF37	<u>0920_39.D</u>	RRF38	<u>0920_40.D</u>	RRF39	<u>0920_41.D</u>	RRF40	<u>0920_42.D</u>	RRF41	<u>0920_43.D</u>	RRF42	<u>0920_44.D</u>	RRF43	<u>0920_45.D</u>	RRF44	<u>0920_46.D</u>	RRF45	<u>0920_47.D</u>	RRF46	<u>0920_48.D</u>	RRF47	<u>0920_49.D</u>	RRF48	<u>0920_50.D</u>	RRF49	<u>0920_51.D</u>	RRF50	<u>0920_52.D</u>	RRF51	<u>0920_53.D</u>	RRF52	<u>0920_54.D</u>	RRF53	<u>0920_55.D</u>	RRF54	<u>0920_56.D</u>	RRF55	<u>0920_57.D</u>	RRF56	<u>0920_58.D</u>	RRF57	<u>0920_59.D</u>	RRF58	<u>0920_60.D</u>	RRF59	<u>0920_61.D</u>	RRF60	<u>0920_62.D</u>	RRF61	<u>0920_63.D</u>	RRF62	<u>0920_64.D</u>	RRF63	<u>0920_65.D</u>	RRF64	<u>0920_66.D</u>	RRF65	<u>0920_67.D</u>	RRF66	<u>0920_68.D</u>	RRF67	<u>0920_69.D</u>	RRF68	<u>0920_70.D</u>	RRF69	<u>0920_71.D</u>	RRF70	<u>0920_72.D</u>	RRF71	<u>0920_73.D</u>	RRF72	<u>0920_74.D</u>	RRF73	<u>0920_75.D</u>	RRF74	<u>0920_76.D</u>	RRF75	<u>0920_77.D</u>	RRF76	<u>0920_78.D</u>	RRF77	<u>0920_79.D</u>	RRF78	<u>0920_80.D</u>	RRF79	<u>0920_81.D</u>	RRF80	<u>0920_82.D</u>	RRF81	<u>0920_83.D</u>	RRF82	<u>0920_84.D</u>	RRF83	<u>0920_85.D</u>	RRF84	<u>0920_86.D</u>	RRF85	<u>0920_87.D</u>	RRF86	<u>0920_88.D</u>	RRF87	<u>0920_89.D</u>	RRF88	<u>0920_90.D</u>	RRF89	<u>0920_91.D</u>	RRF90	<u>0920_92.D</u>	RRF91	<u>0920_93.D</u>	RRF92	<u>0920_94.D</u>	RRF93	<u>0920_95.D</u>	RRF94	<u>0920_96.D</u>	RRF95	<u>0920_97.D</u>	RRF96	<u>0920_98.D</u>	RRF97	<u>0920_99.D</u>	RRF98	<u>0920_100.D</u>	RRF99	<u>0920_101.D</u>	RRF100	<u>0920_102.D</u>	RRF101	<u>0920_103.D</u>	RRF102	<u>0920_104.D</u>	RRF103	<u>0920_105.D</u>	RRF104	<u>0920_106.D</u>	RRF105	<u>0920_107.D</u>	RRF106	<u>0920_108.D</u>	RRF107	<u>0920_109.D</u>	RRF108	<u>0920_110.D</u>	RRF109	<u>0920_111.D</u>	RRF110	<u>0920_112.D</u>	RRF111	<u>0920_113.D</u>	RRF112	<u>0920_114.D</u>	RRF113	<u>0920_115.D</u>	RRF114	<u>0920_116.D</u>	RRF115	<u>0920_117.D</u>	RRF116	<u>0920_118.D</u>	RRF117	<u>0920_119.D</u>	RRF118	<u>0920_120.D</u>	RRF119	<u>0920_121.D</u>	RRF120	<u>0920_122.D</u>	RRF121	<u>0920_123.D</u>	RRF122	<u>0920_124.D</u>	RRF123	<u>0920_125.D</u>	RRF124	<u>0920_126.D</u>	RRF125	<u>0920_127.D</u>	RRF126	<u>0920_128.D</u>	RRF127	<u>0920_129.D</u>	RRF128	<u>0920_130.D</u>	RRF129	<u>0920_131.D</u>	RRF130	<u>0920_132.D</u>	RRF131	<u>0920_133.D</u>	RRF132	<u>0920_134.D</u>	RRF133	<u>0920_135.D</u>	RRF134	<u>0920_136.D</u>	RRF135	<u>0920_137.D</u>	RRF136	<u>0920_138.D</u>	RRF137	<u>0920_139.D</u>	RRF138	<u>0920_140.D</u>	RRF139	<u>0920_141.D</u>	RRF140	<u>0920_142.D</u>	RRF141	<u>0920_143.D</u>	RRF142	<u>0920_144.D</u>	RRF143	<u>0920_145.D</u>	RRF144	<u>0920_146.D</u>	RRF145	<u>0920_147.D</u>	RRF146	<u>0920_148.D</u>	RRF147	<u>0920_149.D</u>	RRF148	<u>0920_150.D</u>	RRF149	<u>0920_151.D</u>	RRF150	<u>0920_152.D</u>	RRF151	<u>0920_153.D</u>	RRF152	<u>0920_154.D</u>	RRF153	<u>0920_155.D</u>	RRF154	<u>0920_156.D</u>	RRF155	<u>0920_157.D</u>	RRF156	<u>0920_158.D</u>	RRF157	<u>0920_159.D</u>	RRF158	<u>0920_160.D</u>	RRF159	<u>0920_161.D</u>	RRF160	<u>0920_162.D</u>	RRF161	<u>0920_163.D</u>	RRF162	<u>0920_164.D</u>	RRF163	<u>0920_165.D</u>	RRF164	<u>0920_166.D</u>	RRF165	<u>0920_167.D</u>	RRF166	<u>0920_168.D</u>	RRF167	<u>0920_169.D</u>	RRF168	<u>0920_170.D</u>	RRF169	<u>0920_171.D</u>	RRF170	<u>0920_172.D</u>	RRF171	<u>0920_173.D</u>	RRF172	<u>0920_174.D</u>	RRF173	<u>0920_175.D</u>	RRF174	<u>0920_176.D</u>	RRF175	<u>0920_177.D</u>	RRF176	<u>0920_178.D</u>	RRF177	<u>0920_179.D</u>	RRF178	<u>0920_180.D</u>	RRF179	<u>0920_181.D</u>	RRF180	<u>0920_182.D</u>	RRF181	<u>0920_183.D</u>	RRF182	<u>0920_184.D</u>	RRF183	<u>0920_185.D</u>	RRF184	<u>0920_186.D</u>	RRF185	<u>0920_187.D</u>	RRF186	<u>0920_188.D</u>	RRF187	<u>0920_189.D</u>	RRF188	<u>0920_190.D</u>	RRF189	<u>0920_191.D</u>	RRF190	<u>0920_192.D</u>	RRF191	<u>0920_193.D</u>	RRF192	<u>0920_194.D</u>	RRF193	<u>0920_195.D</u>	RRF194	<u>0920_196.D</u>	RRF195	<u>0920_197.D</u>	RRF196	<u>0920_198.D</u>	RRF197	<u>0920_199.D</u>	RRF198	<u>0920_200.D</u>	RRF199	<u>0920_201.D</u>	RRF200	<u>0920_202.D</u>	RRF201	<u>0920_203.D</u>	RRF202	<u>0920_204.D</u>	RRF203	<u>0920_205.D</u>	RRF204	<u>0920_206.D</u>	RRF205	<u>0920_207.D</u>	RRF206	<u>0920_208.D</u>	RRF207	<u>0920_209.D</u>	RRF208	<u>0920_210.D</u>	RRF209	<u>0920_211.D</u>	RRF210	<u>0920_212.D</u>	RRF211	<u>0920_213.D</u>	RRF212	<u>0920_214.D</u>	RRF213	<u>0920_215.D</u>	RRF214	<u>0920_216.D</u>	RRF215	<u>0920_217.D</u>	RRF216	<u>0920_218.D</u>	RRF217	<u>0920_219.D</u>	RRF218	<u>0920_220.D</u>	RRF219	<u>0920_221.D</u>	RRF220	<u>0920_222.D</u>	RRF221	<u>0920_223.D</u>	RRF222	<u>0920_224.D</u>	RRF223	<u>0920_225.D</u>	RRF224	<u>0920_226.D</u>	RRF225	<u>0920_227.D</u>	RRF226	<u>0920_228.D</u>	RRF227	<u>0920_229.D</u>	RRF228	<u>0920_230.D</u>	RRF229	<u>0920_231.D</u>	RRF230	<u>0920_232.D</u>	RRF231	<u>0920_233.D</u>	RRF232	<u>0920_234.D</u>	RRF233	<u>0920_235.D</u>	RRF234	<u>0920_236.D</u>	RRF235	<u>0920_237.D</u>	RRF236	<u>0920_238.D</u>	RRF237	<u>0920_239.D</u>	RRF238	<u>0920_240.D</u>	RRF239	<u>0920_241.D</u>	RRF240	<u>0920_242.D</u>	RRF241	<u>0920_243.D</u>	RRF242	<u>0920_244.D</u>	RRF243	<u>0920_245.D</u>	RRF244	<u>0920_246.D</u>	RRF245	<u>0920_247.D</u>	RRF246	<u>0920_248.D</u>	RRF247	<u>0920_249.D</u>	RRF248	<u>0920_250.D</u>	RRF249	<u>0920_251.D</u>	RRF250	<u>0920_252.D</u>	RRF251	<u>0920_253.D</u>	RRF252	<u>0920_254.D</u>	RRF253	<u>0920_255.D</u>	RRF254	<u>0920_256.D</u>	RRF255	<u>0920_257.D</u>	RRF256	<u>0920_258.D</u>	RRF257	<u>0920_259.D</u>	RRF258	<u>0920_260.D</u>	RRF259	<u>0920_261.D</u>	RRF260	<u>0920_262.D</u>	RRF261	<u>0920_263.D</u>	RRF262	<u>0920_264.D</u>	RRF263	<u>0920_265.D</u>	RRF264	<u>0920_266.D</u>	RRF265	<u>0920_267.D</u>	RRF266	<u>0920_268.D</u>	RRF267	<u>0920_269.D</u>	RRF268	<u>0920_270.D</u>	RRF269	<u>0920_271.D</u>	RRF270	<u>0920_272.D</u>	RRF271	<u>0920_273.D</u>	RRF272	<u>0920_274.D</u>	RRF273	<u>0920_275.D</u>	RRF274	<u>0920_276.D</u>	RRF275	<u>0920_277.D</u>	RRF276	<u>0920_278.D</u>	RRF277	<u>0920_279.D</u>	RRF278	<u>0920_280.D</u>	RRF279	<u>0920_281.D</u>	RRF280	<u>0920_282.D</u>	RRF281	<u>0920_283.D</u>	RRF282	<u>0920_284.D</u>	RRF283	<u>0920_285.D</u>	RRF284	<u>0920_286.D</u>	RRF285	<u>0920_287.D</u>	RRF286	<u>0920_288.D</u>	RRF287	<u>0920_289.D</u>	RRF288	<u>0920_290.D</u>	RRF289	<u>0920_291.D</u>	RRF290	<u>0920_292.D</u>	RRF291	<u>0920_293.D</u>	RRF292	<u>0920_294.D</u>	RRF293	<u>0920_295.D</u>	RRF294	<u>0920_296.D</u>	RRF295	<u>0920_297.D</u>	RRF296	<u>0920_298.D</u>	RRF297	<u>0920_299.D</u>	RRF298	<u>0920_300.D</u>	RRF299	<u>0920_301.D</u>	RRF300	<u>0920_302.D</u>	RRF301	<u>0920_303.D</u>	RRF302	<u>0920_304.D</u>	RRF303	<u>0920_305.D</u>	RRF304	<u>0920_306.D</u>	RRF305	<u>0920_307.D</u>	RRF306	<u>0920_308.D</u>	RRF307	<u>0920_309.D</u>	RRF308	<u>0920_310.D</u>	RRF309	<u>0920_311.D</u>	RRF310	<u>0920_312.D</u>	RRF311	<u>0920_313.D</u>	RRF312	<u>0920_314.D</u>	RRF313	<u>0920_315.D</u>	RRF314	<u>0920_316.D</u>	RRF315	<u>0920_317.D</u>	RRF316	<u>0920_318.D</u>	RRF317	<u>0920_319.D</u>	RRF318	<u>0920_320.D</u>	RRF319	<u>0920_321.D</u>	RRF320	<u>0920_322.D</u>	RRF321	<u>0920_323.D</u>	RRF322	<u>0920_324.D</u>	RRF323	<u>0920_325.D</u>	RRF324	<u>0920_326.D</u>	RRF325	<u>0920_327.D</u>	RRF326	<u>0920_328.D</u>	RRF327	<u>0920_329.D</u>	RRF328	<u>0920_330.D</u>	RRF329	<u>0920_331.D</u>	RRF330	<u>0920_332.D</u>	RRF331	<u>0920_333.D</u>	RRF332	<u>0920_334.D</u>	RRF333	<u>0920_335.D</u>	RRF334	<u>0920_336.D</u>	RRF335	<u>0920_337.D</u>	RRF336	<u>0920_338.D</u>	RRF337	<u>0920_339.D</u>	RRF338	<u>0920_340.D</u>	RRF339	<u>0920_341.D</u>	RRF340	<u>0920_342.D</u>	RRF341	<u>0920_343.D</u>	RRF342	<u>0920_344.D</u>	RRF343	<u>0920_345.D</u>	RRF344	<u>0920_346.D</u>	RRF345	<u>0920_347.D</u>	RRF346	<u>0920_348.D</u>	RRF347	<u>0920_349.D</u>	RRF348	<u>0920_350.D</u>	RRF349	<u>0920_351.D</u>	RRF350	<u>0920_352.D</u>	RRF351	<u>0920_353.D</u>	RRF352	<u>0920_354.D</u>	RRF353	<u>0920_355.D</u>	RRF354	<u>0920_356.D</u>	RRF355	<u>0920_357.D</u>	RRF356	<u>0920_358.D</u>	RRF357	<u>0920_359.D</u>	RRF358	<u>0920_360.D</u>	RRF359	<u>0920_361.D</u>	RRF360	<u>0920_362.D</u>	RRF361	<u>0920_363.D</u>	RRF362	<u>0920_364.D</u>	RRF363	<u>0920_365.D</u>	RRF364	<u>0920_366.D</u>	RRF365	<u>0920_367.D</u>	RRF366	<u>0920_368.D</u>	RRF367	<u>0920_369.D</u>	RRF368	<u>0920_370.D</u>	RRF369	<u>0920_371.D</u>	RRF370	<u>0920_372.D</u>	RRF371	<u>0920_373.D</u>	RRF372	<u>0920_374.D</u>	RRF373	<u>0920_375.D</u>	RRF374	<u>0920_376.D</u>	RRF375	<u>0920_377.D</u>	RRF376	<u>0920_378.D</u>	RRF377	<u>0920_379.D</u>	RRF378	<u>0920_380.D</u>	RRF379	<u>0920_381.D</u>	RRF380	<u>0920_382.D</u>	RRF381	<u>0920_383.D</u>	RRF382	<u>0920_384.D</u>	RRF383	<u>0920_385.D</u>	RRF384	<u>0920_386.D</u>	RRF385	<u>0920_387.D</u>	RRF386	<u>0920_388.D</u>	RRF387	<u>0920_389.D</u>	RRF388	<u>0920_390.D</u>	RRF389	<u>0920_391.D</u>	RRF3>

Quantitation Report (RF) (QT Reviewed)

Data Path : H:\AIR2025\CHEM39\09SEP\20\
 Data File : 0920_03.D
 Acq On : 20 Sep 2025 10:22 am
 Operator :
 Client ID : ICAL 0.01
 Lab ID : 0.01ppbv
 ALS Vial : 14 Sample Multiplier: 1

Quant Time: Sep 23 14:34:15 2025
 Quant Method : H:\AIR2025\CHEM39\Methods\39_AIR_0920.M
 Quant Title : VOA Standards for 5 point calibration
 QLast Update : Fri Sep 19 08:41:19 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	7.332	130	199245	10.000	ng	0.02
36) 1,4-Difluorobenzene	8.516	114	770878	10.000	ng	0.02
53) Chlorobenzene-d5	11.008	82	395688	10.000	ng	0.00
80) Bromochloromethane(sim)	7.335	130	187259	10.000	ng	# 0.02
95) 1,4-Difluorobenzene(sim)	8.516	114	770878	10.000	ng	0.02
105) Chlorobenzene-d5(sim)	11.008	82	395688	10.000	ng	0.00

System Monitoring Compounds

62) % Bromofluorobenzene	11.850	95	526731	11.606	ppbv	0.02
Spiked Amount	10.000	Range 70 - 130	Recovery	= 116.10%		

Target Compounds

						Qvalue
2) Propylene	3.899	41	1079	0.037	ppbv#	74
3) Dichlorodifluoromethane	3.956	85	362	0.007	ppbv#	49
4) Chloromethane	4.126	50	574	0.022	ppbv#	44
5) 1,2-Dichlorotetrafluor...	0.000	85	0	0.000	ppbv	0
6) Vinyl Chloride	0.000	62	0	0.000	ppbv	0
7) 1,3-Butadiene	4.434	54	410	0.019	ppbv#	64
8) Bromomethane	0.000	94	0	0.000	ppbv	0
9) Chloroethane	0.000	64	0	0.000	ppbv	0
11) Ethanol	4.872	45	866	0.090	ppbv#	45
12) Acetone	5.262	43	6169	0.113	ppbv#	75
13) Trichlorofluoromethane	5.384	101	137	0.002	ppbv#	27
14) Isopropylalcohol	5.433	45	845	0.015	ppbv#	1
15) Acrylonitrile	0.000	53	0	0.000	ppbv	0
16) 1,1-Dichloroethene	0.000	61	0	0.000	ppbv	0
17) Methylene Chloride	5.925	49	1599	0.039	ppbv#	84
20) Carbon Disulfide	6.163	76	129	0.002	ppbv#	75
21) Trichlorotrifluoroethane	0.000	101	0	0.000	ppbv	0
22) Trans-1,2-Dichloroethene	0.000	61	0	0.000	ppbv	0
23) 1,1-Dichloroethane	0.000	63	0	0.000	ppbv	0
24) Methyl tert-butyl ethe...	6.716	73	200	0.003	ppbv#	1
25) Methyl Ethyl Ketone	6.918	43	441	0.006	ppbv#	69
26) Cis-1,2-Dichloroethene	7.227	61	221	0.006	ppbv#	30
27) Hexane	7.348	57	746	0.015	ppbv#	1
28) Chloroform	7.413	83	650	0.014	ppbv#	24
29) Ethyl acetate	0.000	61	0	0.000	ppbv	0
30) Tetrahydrofuran	7.705	42	790	0.021	ppbv#	53
31) 1,2-Dichloroethane	0.000	62	0	0.000	ppbv	0
32) 1,1,1-Trichloroethane	8.037	97	188	0.004	ppbv#	21
33) Benzene	8.334	78	1027	0.016	ppbv#	48
34) Carbon Tetrachloride	0.000	117	0	0.000	ppbv	0
35) Cyclohexane	8.507	84	257	0.010	ppbv#	1
37) 1,2-dichloropropane	0.000	63	0	0.000	ppbv	0
38) Bromodichloromethane	8.931	83	455	0.009	ppbv#	26
39) Trichloroethene	0.000	130	0	0.000	ppbv	0
40) 2,2,4-trimethylpentane	8.957	57	1519	0.010	ppbv#	73
41) 1,4-Dioxane	0.000	88	0	0.000	ppbv	0
43) Heptane	9.087	43	1732	0.024	ppbv#	54
44) cis-1,3-Dichloropropene	0.000	75	0	0.000	ppbv	0
45) 4-Methyl-2-pentanone(M...	9.460	43	2491	0.029	ppbv#	55
46) trans-1,3-Dichloropropene	0.000	75	0	0.000	ppbv	0
47) 1,1,2-Trichloroethane	0.000	97	0	0.000	ppbv	0
48) Toluene	10.016	91	1245	0.015	ppbv#	67

Quantitation Report (RF) (QT Reviewed)

Data Path : H:\AIR2025\CHEM39\09SEP\20\
 Data File : 0920_03.D
 Acq On : 20 Sep 2025 10:22 am
 Operator :
 Client ID : ICAL 0.01
 Lab ID : 0.01ppbv
 ALS Vial : 14 Sample Multiplier: 1

Quant Time: Sep 23 14:34:15 2025
 Quant Method : H:\AIR2025\CHEM39\Methods\39_AIR_0920.M
 Quant Title : VOA Standards for 5 point calibration
 QLast Update : Fri Sep 19 08:41:19 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
49) Dibromochloromethane	10.269	129	167	0.003	ppbv#	67
50) 2-Hexanone(MBK)	10.149	43	1810	0.024	ppbv#	46
51) 1,2-Dibromoethane(EDB)	10.417	107	157	0.003	ppbv#	63
52) Tetrachloroethene	0.000	166	0	0.000	ppbv	0
54) 1,1,1,2-Tetrachloroethane	0.000	131	0	0.000	ppbv	0
55) Chlorobenzene	11.039	112	460	0.007	ppbv#	1
56) Ethylbenzene	11.228	91	1438	0.014	ppbv#	52
57) m,p-Xylene	11.319	91	2360	0.029	ppbv#	65
58) Bromoform	11.402	173	222	0.004	ppbv#	28
59) Styrene	11.547	104	680	0.011	ppbv#	47
60) 1,1,2,2-Tetrachloroethane	11.592	83	612	0.010	ppbv#	55
61) o-Xylene	11.592	91	1007	0.012	ppbv#	57
65) Isopropylbenzene	11.910	105	1697	0.014	ppbv#	56
66) 4-Ethyltoluene	12.290	105	1611	0.013	ppbv#	68
67) 1,3,5-Trimethylbenzene	12.328	105	1572	0.016	ppbv#	77
68) 1,2,4-Trimethylbenzene	12.578	105	1583	0.016	ppbv#	76
70) Benzyl chloride	12.685	91	745	0.010	ppbv#	60
71) 1,3-Dichlorobenzene	12.700	146	556	0.008	ppbv#	68
72) 1,4-Dichlorobenzene	12.738	146	816	0.013	ppbv#	69
73) sec-Butylbenzene	12.738	105	1786	0.012	ppbv#	63
74) 4-Isopropyltoluene	12.829	119	3673	0.028	ppbv	91
75) 1,2-Dichlorobenzene	12.958	146	522	0.008	ppbv#	60
76) n-Butylbenzene	13.095	91	2508	0.022	ppbv#	84
77) 1,2,4-Trichlorobenzene	14.135	180	1279	0.030	ppbv#	75
78) Naphthalene	14.234	128	11140	0.121	ppbv#	96
79) Hexachlorobutadiene	14.485	225	1323	0.026	ppbv	91
81] 1,2-Dichlorotetrafluor...	4.202	85	570m	0.012	ppbv	0
82] Vinyl Chloride(sim)	4.307	62	273	0.012	ppbv#	80
83] Bromomethane(sim)	4.664	94	229m	0.013	ppbv	0
84] Trichlorofluoromethane...	5.393	101	619	0.011	ppbv#	98
85] 1,2-Dichloroethane(sim)	7.886	62	421m	0.011	ppbv	0
86] 1,1,1-Trichloroethane(...	8.049	97	532	0.011	ppbv#	98
87] Benzene(sim)	8.329	78	1479m	0.020	ppbv	48
88] Carbon Tetrachloride(sim)	8.424	117	557	0.011	ppbv	95
89] 1,1-Dichloroethene(sim)	5.845	61	526m	0.012	ppbv	0
90] Trichlorotrifluoroetha...	6.101	101	500	0.011	ppbv#	99
91] Trans-1,2-Dichloroethe...	6.556	61	534m	0.013	ppbv	0
92] 1,1-Dichloroethane(sim)	6.686	63	589	0.012	ppbv#	78
93] Cis-1,2-Dichloroethene...	7.229	61	440m	0.011	ppbv	30
94] Chloroform(sim)	7.416	83	776	0.016	ppbv#	78
96] 1,2-dichloropropane(sim)	8.813	63	426	0.012	ppbv#	83
97] Bromodichloromethane(sim)	8.934	83	601m	0.012	ppbv	27
98] Trichloroethene(sim)	8.960	130	347	0.011	ppbv	99
99] 1,4-Dioxane(sim)	8.960	88	188m	0.016	ppbv	0
100] cis-1,3-Dichloropropen...	9.448	75	432	0.010	ppbv#	86
101] 1,1,2-Trichloroethane(...	9.857	97	391m	0.013	ppbv	0
102] Dibromochloromethane(sim)	10.272	129	562	0.011	ppbv	95
103] 1,2-Dibromoethane(EDB)...	10.413	107	545m	0.012	ppbv	63
104] Tetrachloroethene(sim)	10.659	166	484	0.012	ppbv	97
106] Bromoform(sim)	11.405	173	523	0.011	ppbv	99
107] m,p-Xylene(sim)	11.319	91	2360	0.026	ppbv#	65
108] 1,1,2,2-Tetrachloroeth...	11.587	83	795	0.012	ppbv	97
109] Benzyl chloride(sim)	12.685	91	745	0.011	ppbv	60
110] 1,3-Dichlorobenzene(sim)	12.695	146	1019	0.014	ppbv	97
111] 1,4-Dichlorobenzene(sim)	12.741	146	1101m	0.017	ppbv	69

Quantitation Report (RF) (QT Reviewed)

Data Path : H:\AIR2025\CHEM39\09SEP\20\
Data File : 0920_03.D
Acq On : 20 Sep 2025 10:22 am
Operator :
Client ID : ICAL 0.01
Lab ID : 0.01ppbv
ALS Vial : 14 Sample Multiplier: 1

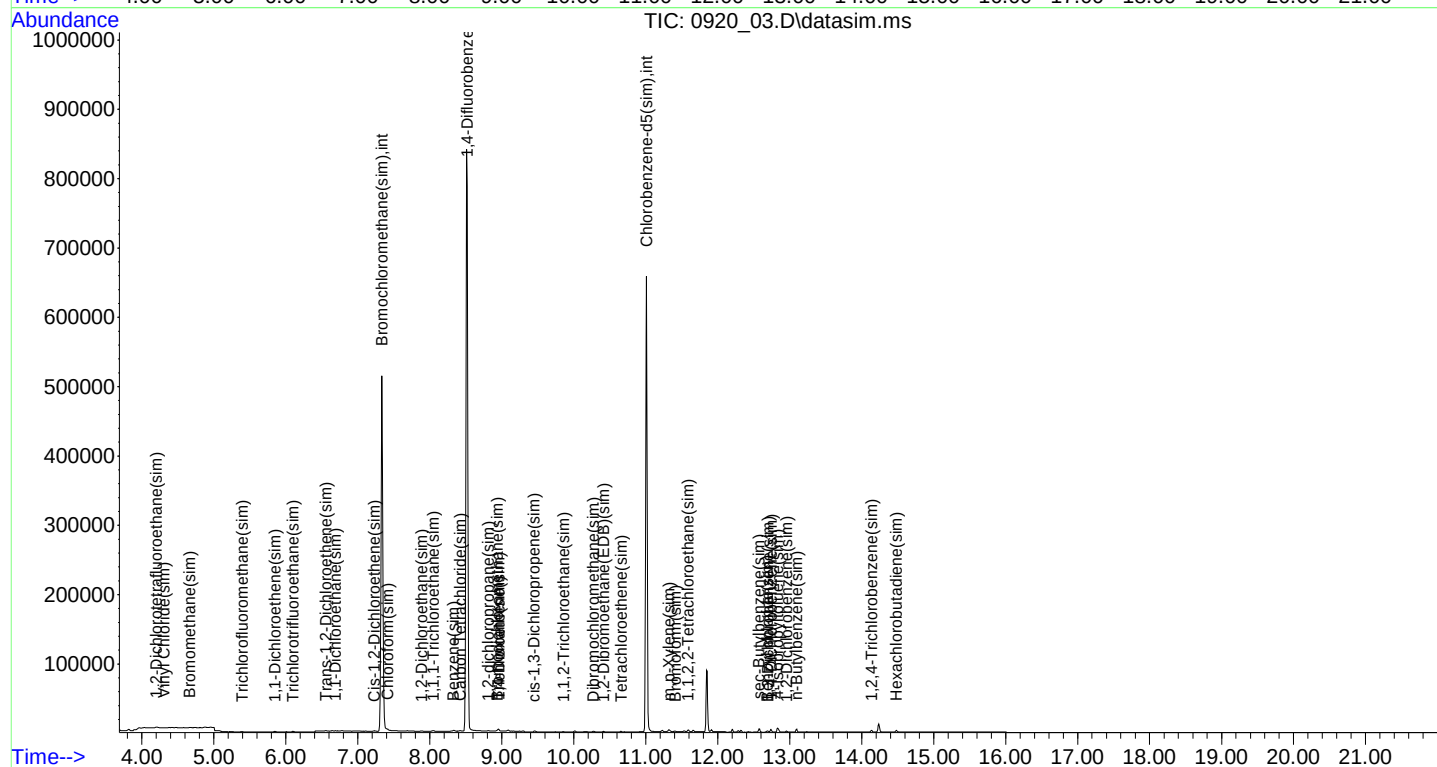
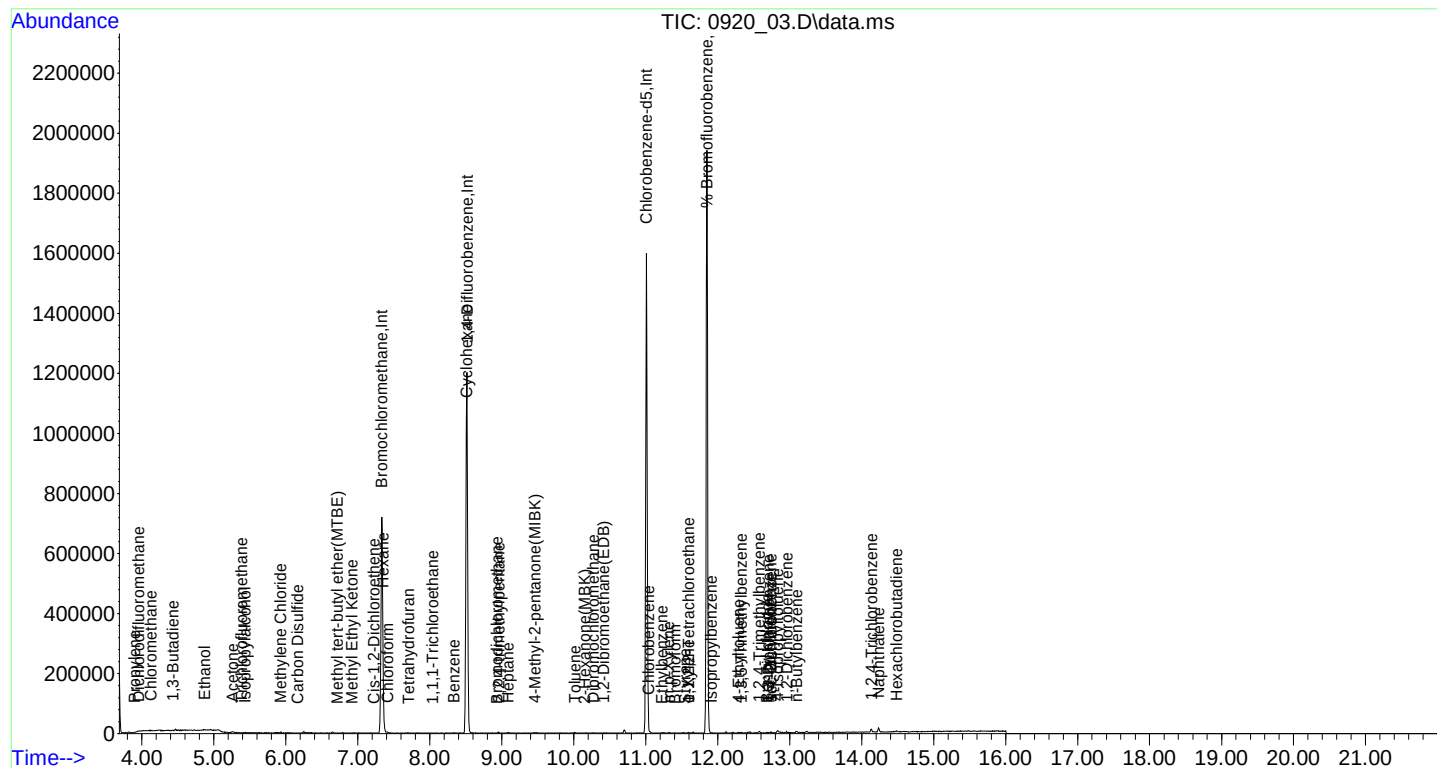
Quant Time: Sep 23 14:34:15 2025
Quant Method : H:\AIR2025\CHEM39\Methods\39_AIR_0920.M
Quant Title : VOA Standards for 5 point calibration
QLast Update : Fri Sep 19 08:41:19 2025
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
112]	sec-Butylbenzene(sim)	12.574	105	1857	0.016	ppbv	92
113]	4-Isopropyltoluene(sim)	12.829	119	3673	0.026	ppbv	91
114]	1,2-Dichlorobenzene(sim)	12.954	146	1009	0.015	ppbv	94
115]	n-Butylbenzene(sim)	13.095	91	2508	0.021	ppbv	84
116]	1,2,4-Trichlorobenzene...	14.138	180	1323	0.042	ppbv	96
118]	Hexachlorobutadiene(sim)	14.480	225	1334	0.028	ppbv	98

(#)out of range (m>manual integration reviewed by analyst (+)signals summed

Data Path : H:\AIR2025\CHEM39\09SEP\20\
Data File : 0920_03.D
Acq On : 20 Sep 2025 10:22 am
Operator :
Client ID : ICAL 0.01
Lab ID : 0.01ppbv
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Sep 23 14:34:15 2025
Quant Method : H:\AIR2025\CHEM39\Methods\39_AIR_0920.M
Quant Title : VOA Standards for 5 point calibration
QLast Update : Fri Sep 19 08:41:19 2025
Response via : Initial Calibration



Quantitation Report (RF) (QT Reviewed)

Data Path : H:\AIR2025\CHEM39\09SEP\20\
 Data File : 0920_04.D
 Acq On : 20 Sep 2025 10:59 am
 Operator :
 Client ID : ICAL 0.02
 Lab ID : 0.02 ppbv
 ALS Vial : 15 Sample Multiplier: 1

Quant Time: Sep 23 14:43:06 2025
 Quant Method : H:\AIR2025\CHEM39\Methods\39_AIR_0920.M
 Quant Title : VOA Standards for 5 point calibration
 QLast Update : Fri Sep 19 08:41:19 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	7.332	130	205406	10.000	ng	0.02
36) 1,4-Difluorobenzene	8.516	114	779942	10.000	ng	0.02
53) Chlorobenzene-d5	11.008	82	395185	10.000	ng	0.00
80) Bromochloromethane(sim)	7.335	130	189113	10.000	ng	# 0.02
95) 1,4-Difluorobenzene(sim)	8.516	114	779942	10.000	ng	0.02
105) Chlorobenzene-d5(sim)	11.008	82	395185	10.000	ng	0.00

System Monitoring Compounds

62) % Bromofluorobenzene	11.850	95	531132	11.717	ppbv	0.02
Spiked Amount	10.000	Range	70 - 130	Recovery	= 117.20%	

Target Compounds

						Qvalue
2) Propylene	3.899	41	2564	0.086	ppbv	93
3) Dichlorodifluoromethane	3.964	85	845	0.016	ppbv#	59
4) Chloromethane	4.118	50	1286	0.047	ppbv	73
5) 1,2-Dichlorotetrafluor...	4.199	85	961	0.020	ppbv#	59
6) Vinyl Chloride	4.321	62	342	0.015	ppbv#	44
7) 1,3-Butadiene	4.426	54	526	0.023	ppbv#	71
8) Bromomethane	4.661	94	175	0.010	ppbv#	14
9) Chloroethane	0.000	64	0	0.000	ppbv	0
11) Ethanol	4.880	45	1457	0.146	ppbv#	45
12) Acetone	5.262	43	7424	0.132	ppbv#	68
13) Trichlorofluoromethane	5.390	101	1101	0.019	ppbv#	86
14) Isopropylalcohol	5.427	45	1437	0.024	ppbv#	1
15) Acrylonitrile	0.000	53	0	0.000	ppbv	0
16) 1,1-Dichloroethene	5.854	61	478	0.011	ppbv#	73
17) Methylene Chloride	5.931	49	2079	0.049	ppbv#	78
20) Carbon Disulfide	6.157	76	866	0.015	ppbv#	75
21) Trichlorotrifluoroethane	6.104	101	526	0.012	ppbv#	73
22) Trans-1,2-Dichloroethene	6.553	61	520	0.012	ppbv#	68
23) 1,1-Dichloroethane	6.691	63	1062	0.022	ppbv#	50
24) Methyl tert-butyl ethe...	6.724	73	1170	0.020	ppbv#	1
25) Methyl Ethyl Ketone	6.902	43	210	0.003	ppbv#	69
26) Cis-1,2-Dichloroethene	7.226	61	365	0.009	ppbv#	30
27) Hexane	7.356	57	1182	0.024	ppbv#	28
28) Chloroform	7.413	83	932	0.020	ppbv#	77
29) Ethyl acetate	0.000	61	0	0.000	ppbv	0
30) Tetrahydrofuran	7.689	42	904	0.023	ppbv#	53
31) 1,2-Dichloroethane	7.883	62	183	0.005	ppbv#	42
32) 1,1,1-Trichloroethane	8.046	97	1033	0.021	ppbv#	57
33) Benzene	8.334	78	2029	0.030	ppbv#	74
34) Carbon Tetrachloride	8.421	117	928	0.017	ppbv#	62
35) Cyclohexane	8.499	84	1090	0.042	ppbv#	1
37) 1,2-dichloropropane	8.810	63	460	0.014	ppbv#	1
38) Bromodichloromethane	8.931	83	930	0.019	ppbv	75
39) Trichloroethene	8.957	130	388	0.013	ppbv#	63
40) 2,2,4-trimethylpentane	8.957	57	3620	0.023	ppbv#	78
41) 1,4-Dioxane	0.000	88	0	0.000	ppbv	0
43) Heptane	9.087	43	2203	0.031	ppbv#	72
44) cis-1,3-Dichloropropene	9.446	75	629	0.015	ppbv#	49
45) 4-Methyl-2-pentanone(M...	9.460	43	2757	0.032	ppbv#	69
46) trans-1,3-Dichloropropene	9.741	75	148	0.005	ppbv#	47
47) 1,1,2-Trichloroethane	9.847	97	189	0.007	ppbv#	8
48) Toluene	10.016	91	2036	0.024	ppbv#	87

Quantitation Report (RF) (QT Reviewed)

Data Path : H:\AIR2025\CHEM39\09SEP\20\
 Data File : 0920_04.D
 Acq On : 20 Sep 2025 10:59 am
 Operator :
 Client ID : ICAL 0.02
 Lab ID : 0.02 ppbv
 ALS Vial : 15 Sample Multiplier: 1

Quant Time: Sep 23 14:43:06 2025
 Quant Method : H:\AIR2025\CHEM39\Methods\39_AIR_0920.M
 Quant Title : VOA Standards for 5 point calibration
 QLast Update : Fri Sep 19 08:41:19 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
49) Dibromochloromethane	10.269	129	700	0.013	ppbv#	80
50) 2-Hexanone(MBK)	10.149	43	2356	0.031	ppbv#	46
51) 1,2-Dibromoethane(EDB)	10.410	107	675	0.014	ppbv	92
52) Tetrachloroethene	10.649	166	651	0.016	ppbv#	76
54) 1,1,1,2-Tetrachloroethane	11.023	131	640	0.018	ppbv#	76
55) Chlorobenzene	11.038	112	1340	0.022	ppbv#	1
56) Ethylbenzene	11.228	91	2774	0.026	ppbv	91
57) m,p-Xylene	11.319	91	4029	0.049	ppbv#	89
58) Bromoform	11.402	173	740	0.014	ppbv#	68
59) Styrene	11.524	104	1003	0.017	ppbv#	79
60) 1,1,2,2-Tetrachloroethane	11.584	83	1353	0.022	ppbv	91
61) o-Xylene	11.592	91	1939	0.023	ppbv#	76
65) Isopropylbenzene	11.910	105	2958	0.025	ppbv#	72
66) 4-Ethyltoluene	12.282	105	2758	0.023	ppbv#	76
67) 1,3,5-Trimethylbenzene	12.320	105	2513	0.025	ppbv#	89
68) 1,2,4-Trimethylbenzene	12.578	105	2610	0.026	ppbv#	89
70) Benzyl chloride	12.677	91	1260	0.017	ppbv#	60
71) 1,3-Dichlorobenzene	12.692	146	1494	0.023	ppbv	97
72) 1,4-Dichlorobenzene	12.730	146	1464	0.023	ppbv#	79
73) sec-Butylbenzene	12.738	105	3202	0.022	ppbv#	92
74) 4-Isopropyltoluene	12.829	119	4485	0.034	ppbv	94
75) 1,2-Dichlorobenzene	12.951	146	1594	0.026	ppbv#	67
76) n-Butylbenzene	13.095	91	3070	0.027	ppbv	96
77) 1,2,4-Trichlorobenzene	14.135	180	1004	0.023	ppbv#	75
78) Naphthalene	14.234	128	10419	0.113	ppbv#	95
79) Hexachlorobutadiene	14.485	225	1453	0.028	ppbv	94
81] 1,2-Dichlorotetrafluor...	4.202	85	1058m	0.022	ppbv	59
82] Vinyl Chloride(sim)	4.315	62	491	0.020	ppbv#	87
83] Bromomethane(sim)	4.672	94	427m	0.024	ppbv	14
84] Trichlorofluoromethane...	5.393	101	1187	0.020	ppbv#	99
85] 1,2-Dichloroethane(sim)	7.886	62	847m	0.022	ppbv	42
86] 1,1,1-Trichloroethane(...	8.048	97	982	0.020	ppbv#	97
87] Benzene(sim)	8.328	78	2309m	0.031	ppbv	74
88] Carbon Tetrachloride(sim)	8.424	117	1005	0.020	ppbv	97
89] 1,1-Dichloroethene(sim)	5.845	61	946m	0.021	ppbv	73
90] Trichlorotrifluoroetha...	6.101	101	881	0.020	ppbv#	98
91] Trans-1,2-Dichloroethe...	6.556	61	867m	0.022	ppbv	68
92] 1,1-Dichloroethane(sim)	6.686	63	1024	0.020	ppbv	92
93] Cis-1,2-Dichloroethene...	7.229	61	817m	0.021	ppbv	30
94] Chloroform(sim)	7.416	83	1197	0.024	ppbv#	91
96] 1,2-dichloropropane(sim)	8.813	63	750	0.021	ppbv	96
97] Bromodichloromethane(sim)	8.934	83	1023m	0.020	ppbv	75
98] Trichloroethene(sim)	8.951	130	614	0.020	ppbv	98
99] 1,4-Dioxane(sim)	0.000	88	0	0.000	ppbv	0
100] cis-1,3-Dichloropropen...	9.448	75	857	0.020	ppbv	96
101] 1,1,2-Trichloroethane(...	9.850	97	596m	0.020	ppbv	8
102] Dibromochloromethane(sim)	10.265	129	986	0.019	ppbv	94
103] 1,2-Dibromoethane(EDB)...	10.413	107	908m	0.019	ppbv	92
104] Tetrachloroethene(sim)	10.652	166	826	0.021	ppbv	95
106] Bromoform(sim)	11.405	173	952	0.020	ppbv	99
107] m,p-Xylene(sim)	11.319	91	4029	0.045	ppbv#	89
108] 1,1,2,2-Tetrachloroeth...	11.587	83	1269	0.020	ppbv#	95
109] Benzyl chloride(sim)	12.680	91	1439m	0.021	ppbv	60
110] 1,3-Dichlorobenzene(sim)	12.695	146	1626	0.023	ppbv	99
111] 1,4-Dichlorobenzene(sim)	12.730	146	1464	0.022	ppbv#	79

Quantitation Report (RF) (QT Reviewed)

Data Path : H:\AIR2025\CHEM39\09SEP\20\
Data File : 0920_04.D
Acq On : 20 Sep 2025 10:59 am
Operator :
Client ID : ICAL 0.02
Lab ID : 0.02 ppbv
ALS Vial : 15 Sample Multiplier: 1

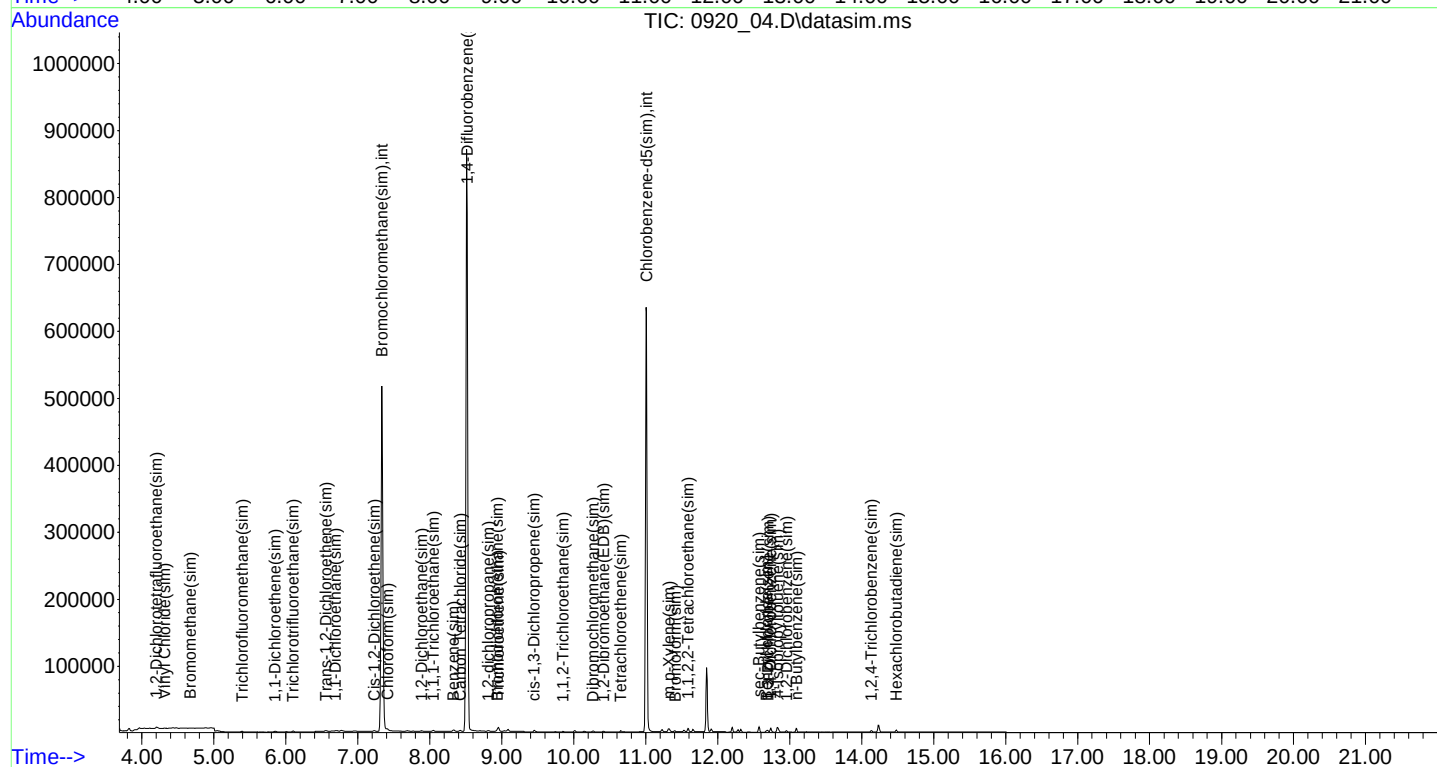
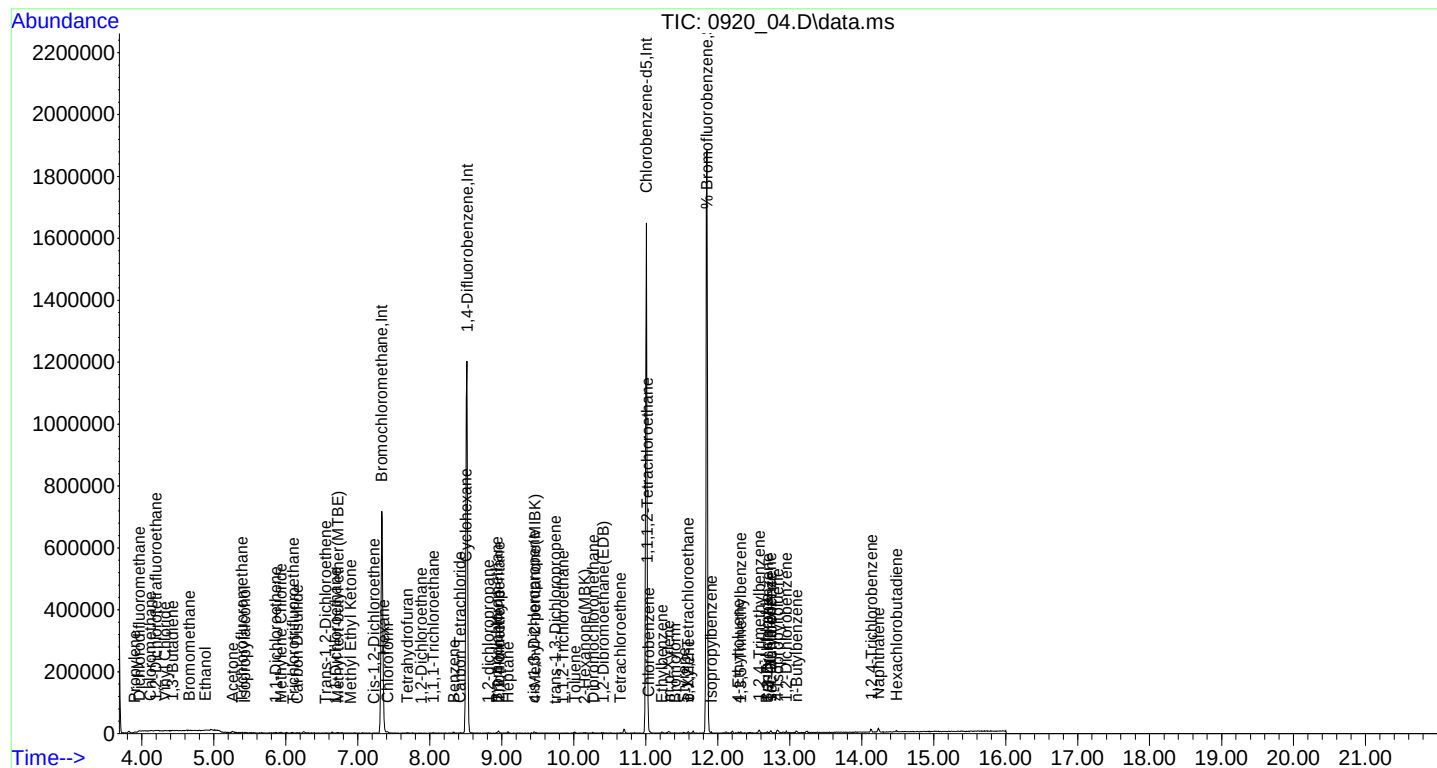
Quant Time: Sep 23 14:43:06 2025
Quant Method : H:\AIR2025\CHEM39\Methods\39_AIR_0920.M
Quant Title : VOA Standards for 5 point calibration
QLast Update : Fri Sep 19 08:41:19 2025
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
112]	sec-Butylbenzene(sim)	12.574	105	2718	0.023	ppbv	94
113]	4-Isopropyltoluene(sim)	12.829	119	4485	0.031	ppbv	94
114]	1,2-Dichlorobenzene(sim)	12.953	146	1540	0.023	ppbv	95
115]	n-Butylbenzene(sim)	13.095	91	3070	0.026	ppbv	96
116]	1,2,4-Trichlorobenzene...	14.131	180	1291m	0.041	ppbv	98
118]	Hexachlorobutadiene(sim)	14.480	225	1572	0.032	ppbv	97

(#)out of range (m>manual integration reviewed by analyst (+)signals summed

Data Path : H:\AIR2025\CHEM39\09SEP\20\
Data File : 0920_04.D
Acq On : 20 Sep 2025 10:59 am
Operator :
Client ID : ICAL 0.02
Lab ID : 0.02 ppbv
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Sep 23 14:43:06 2025
Quant Method : H:\AIR2025\CHEM39\Methods\39_AIR_0920.M
Quant Title : VOA Standards for 5 point calibration
QLast Update : Fri Sep 19 08:41:19 2025
Response via : Initial Calibration



Quantitation Report (RF) (QT Reviewed)

Data Path : H:\AIR2025\CHEM39\09SEP\20\
 Data File : 0920_05.D
 Acq On : 20 Sep 2025 11:37 am
 Operator :
 Client ID : ICAL 0.035
 Lab ID : 0.035 ppbv
 ALS Vial : 16 Sample Multiplier: 1

Quant Time: Sep 23 14:43:37 2025
 Quant Method : H:\AIR2025\CHEM39\Methods\39_AIR_0920.M
 Quant Title : VOA Standards for 5 point calibration
 QLast Update : Fri Sep 19 08:41:19 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	7.332	130	198018	10.000	ng	0.02
36) 1,4-Difluorobenzene	8.507	114	762645	10.000	ng	0.00
53) Chlorobenzene-d5	11.008	82	390100	10.000	ng	0.00
80) Bromochloromethane(sim)	7.327	130	187091	10.000	ng	# 0.00
95) 1,4-Difluorobenzene(sim)	8.507	114	762645	10.000	ng	0.00
105) Chlorobenzene-d5(sim)	11.008	82	390100	10.000	ng	0.00

System Monitoring Compounds						
62) % Bromofluorobenzene	11.842	95	517506	11.566	ppbv	0.00
Spiked Amount	10.000	Range 70 - 130	Recovery	= 115.70%		

Target Compounds				Qvalue		
2) Propylene	3.891	41	2983	0.104	ppbv#	89
3) Dichlorodifluoromethane	3.956	85	1746	0.035	ppbv#	69
4) Chloromethane	4.102	50	1816	0.069	ppbv#	63
5) 1,2-Dichlorotetrafluor...	4.191	85	1549	0.033	ppbv#	82
6) Vinyl Chloride	4.304	62	448	0.020	ppbv#	44
7) 1,3-Butadiene	4.418	54	1033	0.048	ppbv#	65
8) Bromomethane	4.653	94	458	0.028	ppbv#	86
9) Chloroethane	4.791	64	405	0.043	ppbv#	37
11) Ethanol	4.880	45	1859	0.193	ppbv#	58
12) Acetone	5.249	43	7619	0.141	ppbv#	89
13) Trichlorofluoromethane	5.384	101	1964	0.034	ppbv#	86
14) Isopropylalcohol	5.421	45	2910	0.051	ppbv#	92
15) Acrylonitrile	5.587	53	134	0.007	ppbv#	17
16) 1,1-Dichloroethene	5.836	61	1211	0.028	ppbv#	63
17) Methylene Chloride	5.919	49	2596	0.064	ppbv#	90
20) Carbon Disulfide	6.151	76	1869	0.033	ppbv#	75
21) Trichlorotrifluoroethane	6.098	101	1361	0.031	ppbv#	72
22) Trans-1,2-Dichloroethene	6.553	61	1372	0.034	ppbv#	85
23) 1,1-Dichloroethane	6.683	63	1684	0.036	ppbv#	50
24) Methyl tert-butyl ethe...	6.716	73	1886	0.033	ppbv#	45
25) Methyl Ethyl Ketone	6.943	43	3932	0.055	ppbv#	69
26) Cis-1,2-Dichloroethene	7.227	61	1061	0.027	ppbv#	48
27) Hexane	7.340	57	2049	0.043	ppbv#	37
28) Chloroform	7.405	83	1689	0.037	ppbv	86
29) Ethyl acetate	0.000	61	0	0.000	ppbv	0
30) Tetrahydrofuran	7.681	42	1582	0.041	ppbv#	53
31) 1,2-Dichloroethane	7.875	62	889	0.024	ppbv#	42
32) 1,1,1-Trichloroethane	8.037	97	1350	0.028	ppbv	97
33) Benzene	8.326	78	3065	0.047	ppbv#	79
34) Carbon Tetrachloride	8.421	117	1533	0.030	ppbv#	82
35) Cyclohexane	8.499	84	1472	0.058	ppbv#	1
37) 1,2-dichloropropane	8.810	63	1091	0.033	ppbv#	38
38) Bromodichloromethane	8.931	83	1524	0.032	ppbv	87
39) Trichloroethene	8.948	130	868	0.029	ppbv	91
40) 2,2,4-trimethylpentane	8.948	57	5239	0.034	ppbv#	88
41) 1,4-Dioxane	0.000	88	0	0.000	ppbv	0
43) Heptane	9.087	43	3538	0.050	ppbv#	79
44) cis-1,3-Dichloropropene	9.446	75	1158	0.029	ppbv#	63
45) 4-Methyl-2-pentanone(M...	9.446	43	4671	0.055	ppbv#	71
46) trans-1,3-Dichloropropene	9.734	75	947	0.030	ppbv#	47
47) 1,1,2-Trichloroethane	9.847	97	742	0.027	ppbv	86
48) Toluene	10.009	91	3210	0.039	ppbv#	84

Quantitation Report (RF) (QT Reviewed)

Data Path : H:\AIR2025\CHEM39\09SEP\20\
 Data File : 0920_05.D
 Acq On : 20 Sep 2025 11:37 am
 Operator :
 Client ID : ICAL 0.035
 Lab ID : 0.035 ppbv
 ALS Vial : 16 Sample Multiplier: 1

Quant Time: Sep 23 14:43:37 2025
 Quant Method : H:\AIR2025\CHEM39\Methods\39_AIR_0920.M
 Quant Title : VOA Standards for 5 point calibration
 QLast Update : Fri Sep 19 08:41:19 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
49) Dibromochloromethane	10.262	129	1581	0.030	ppbv#	84
50) 2-Hexanone(MBK)	10.135	43	4174	0.056	ppbv#	64
51) 1,2-Dibromoethane(EDB)	10.403	107	1490	0.032	ppbv	90
52) Tetrachloroethene	10.656	166	1212	0.030	ppbv	95
54) 1,1,1,2-Tetrachloroethane	11.016	131	1112	0.032	ppbv#	85
55) Chlorobenzene	11.039	112	2473	0.040	ppbv#	1
56) Ethylbenzene	11.228	91	3888	0.037	ppbv	91
57) m,p-Xylene	11.319	91	6545	0.081	ppbv	98
58) Bromoform	11.395	173	1634	0.032	ppbv#	81
59) Styrene	11.524	104	1896	0.032	ppbv	94
60) 1,1,2,2-Tetrachloroethane	11.584	83	2050	0.034	ppbv	85
61) o-Xylene	11.584	91	3042	0.036	ppbv#	94
65) Isopropylbenzene	11.910	105	4783	0.041	ppbv	96
66) 4-Ethyltoluene	12.282	105	4994	0.042	ppbv#	81
67) 1,3,5-Trimethylbenzene	12.320	105	3712	0.038	ppbv#	93
68) 1,2,4-Trimethylbenzene	12.571	105	4061	0.040	ppbv#	83
70) Benzyl chloride	12.677	91	2153	0.029	ppbv#	60
71) 1,3-Dichlorobenzene	12.692	146	2324	0.036	ppbv	98
72) 1,4-Dichlorobenzene	12.730	146	2292	0.037	ppbv	98
73) sec-Butylbenzene	12.738	105	4949	0.035	ppbv#	94
74) 4-Isopropyltoluene	12.822	119	5439	0.042	ppbv	96
75) 1,2-Dichlorobenzene	12.951	146	2142	0.035	ppbv	93
76) n-Butylbenzene	13.095	91	3974	0.035	ppbv	97
77) 1,2,4-Trichlorobenzene	14.128	180	1286	0.030	ppbv#	89
78) Naphthalene	14.234	128	9378	0.103	ppbv#	93
79) Hexachlorobutadiene	14.477	225	2262	0.045	ppbv	89
81] 1,2-Dichlorotetrafluor...	4.194	85	1705m	0.035	ppbv	82
82] Vinyl Chloride(sim)	4.299	62	822	0.035	ppbv#	75
83] Bromomethane(sim)	4.656	94	717m	0.040	ppbv	86
84] Trichlorofluoromethane...	5.381	101	2004	0.035	ppbv#	99
85] 1,2-Dichloroethane(sim)	7.878	62	1300m	0.035	ppbv	42
86] 1,1,1-Trichloroethane(...	8.040	97	1724	0.035	ppbv#	99
87] Benzene(sim)	8.329	78	3332m	0.045	ppbv	79
88] Carbon Tetrachloride(sim)	8.415	117	1672	0.034	ppbv	98
89] 1,1-Dichloroethene(sim)	5.839	61	1581m	0.036	ppbv	63
90] Trichlorotrifluoroetha...	6.095	101	1510	0.034	ppbv#	98
91] Trans-1,2-Dichloroethe...	6.548	61	1496m	0.038	ppbv	85
92] 1,1-Dichloroethane(sim)	6.686	63	1691	0.034	ppbv	97
93] Cis-1,2-Dichloroethene...	7.221	61	1397m	0.036	ppbv	48
94] Chloroform(sim)	7.408	83	1875	0.038	ppbv#	89
96] 1,2-dichloropropane(sim)	8.813	63	1249	0.035	ppbv	96
97] Bromodichloromethane(sim)	8.925	83	1851m	0.038	ppbv	86
98] Trichloroethene(sim)	8.951	130	1086	0.036	ppbv	94
99] 1,4-Dioxane(sim)	8.951	88	576m	0.049	ppbv	0
100] cis-1,3-Dichloropropen...	9.441	75	1495	0.036	ppbv	98
101] 1,1,2-Trichloroethane(...	9.850	97	1057m	0.036	ppbv	86
102] Dibromochloromethane(sim)	10.265	129	1643	0.033	ppbv	97
103] 1,2-Dibromoethane(EDB)...	10.406	107	1603m	0.034	ppbv	90
104] Tetrachloroethene(sim)	10.652	166	1379	0.035	ppbv	94
106] Bromoform(sim)	11.398	173	1572	0.034	ppbv	99
107] m,p-Xylene(sim)	11.319	91	6545	0.074	ppbv	99
108] 1,1,2,2-Tetrachloroeth...	11.587	83	2146	0.033	ppbv	99
109] Benzyl chloride(sim)	12.677	91	2153	0.032	ppbv	60
110] 1,3-Dichlorobenzene(sim)	12.695	146	2391	0.034	ppbv	99
111] 1,4-Dichlorobenzene(sim)	12.730	146	2292	0.035	ppbv	98

Quantitation Report (RF) (QT Reviewed)

Data Path : H:\AIR2025\CHEM39\09SEP\20\
Data File : 0920_05.D
Acq On : 20 Sep 2025 11:37 am
Operator :
Client ID : ICAL 0.035
Lab ID : 0.035 ppbv
ALS Vial : 16 Sample Multiplier: 1

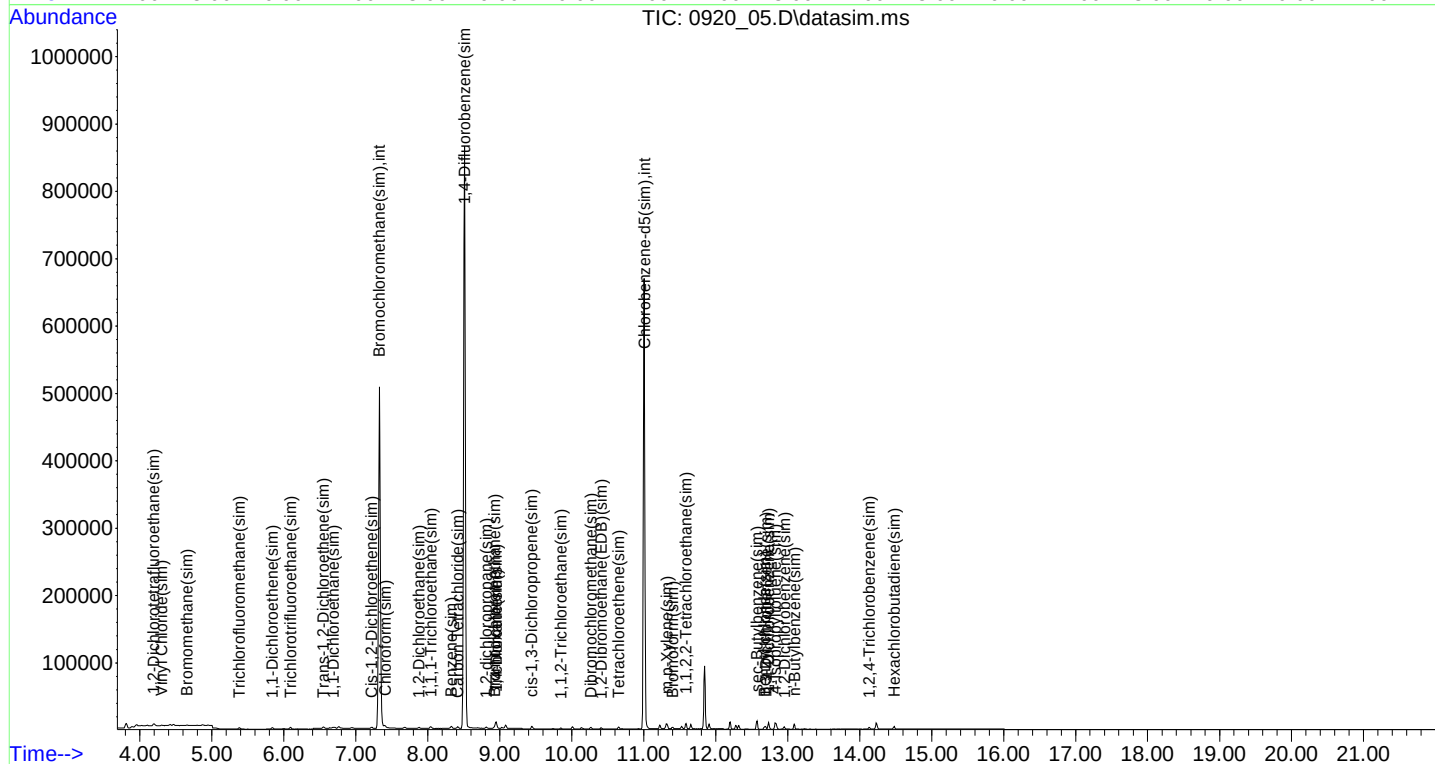
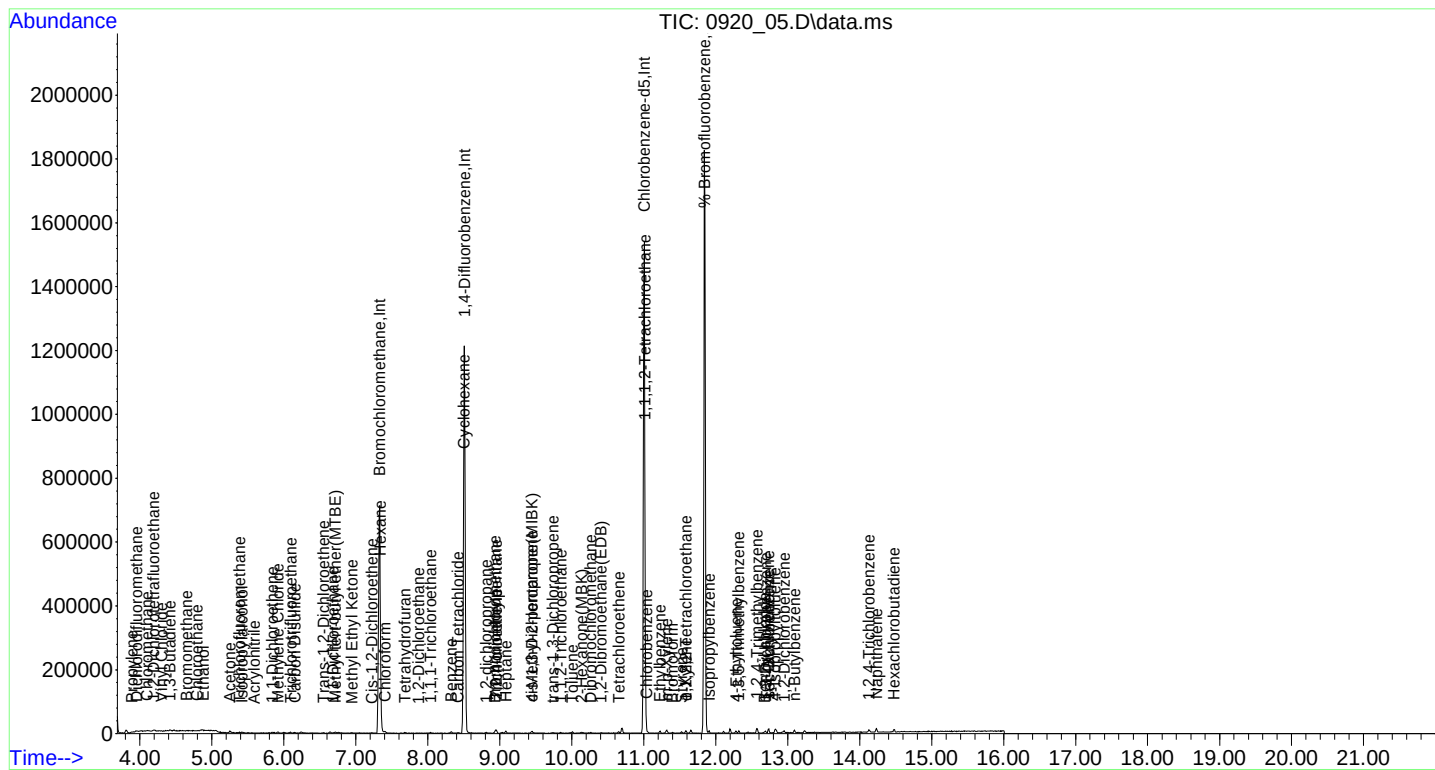
Quant Time: Sep 23 14:43:37 2025
Quant Method : H:\AIR2025\CHEM39\Methods\39_AIR_0920.M
Quant Title : VOA Standards for 5 point calibration
QLast Update : Fri Sep 19 08:41:19 2025
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
112]	sec-Butylbenzene(sim)	12.574	105	4021	0.035	ppbv	95
113]	4-Isopropyltoluene(sim)	12.822	119	5439	0.039	ppbv	96
114]	1,2-Dichlorobenzene(sim)	12.954	146	2299	0.035	ppbv	95
115]	n-Butylbenzene(sim)	13.095	91	3974	0.034	ppbv	97
116]	1,2,4-Trichlorobenzene...	14.131	180	1392m	0.045	ppbv	97
118]	Hexachlorobutadiene(sim)	14.480	225	2084	0.044	ppbv	98

(#)out of range (m>manual integration reviewed by analyst (+)signals summed

Data Path : H:\AIR2025\CHEM39\09SEP\20\
Data File : 0920_05.D
Acq On : 20 Sep 2025 11:37 am
Operator :
Client ID : ICAL 0.035
Lab ID : 0.035 ppbv
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Sep 23 14:43:37 2025
Quant Method : H:\AIR2025\CHEM39\Methods\39_AIR_0920.M
Quant Title : VOA Standards for 5 point calibration
QLast Update : Fri Sep 19 08:41:19 2025
Response via : Initial Calibration



Quantitation Report (RF) (QT Reviewed)

Data Path : H:\AIR2025\CHEM39\09SEP\20\
 Data File : 0920_06.D
 Acq On : 20 Sep 2025 12:17 pm
 Operator :
 Client ID : ICAL 0.05
 Lab ID : 0.05 ppbv
 ALS Vial : 17 Sample Multiplier: 1

Quant Time: Sep 23 14:36:52 2025
 Quant Method : H:\AIR2025\CHEM39\Methods\39_AIR_0920.M
 Quant Title : VOA Standards for 5 point calibration
 QLast Update : Fri Sep 19 08:41:19 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	7.332	130	199847	10.000	ng	0.02
36) 1,4-Difluorobenzene	8.507	114	775341	10.000	ng	0.00
53) Chlorobenzene-d5	11.001	82	395463	10.000	ng	0.00
80) Bromochloromethane(sim)	7.327	130	188612	10.000	ng	# 0.00
95) 1,4-Difluorobenzene(sim)	8.507	114	775341	10.000	ng	0.00
105) Chlorobenzene-d5(sim)	11.001	82	395463	10.000	ng	0.00

System Monitoring Compounds						
62) % Bromofluorobenzene	11.842	95	521871	11.505	ppbv	0.00
Spiked Amount	10.000	Range 70 - 130	Recovery	= 115.10%		

Target Compounds					Qvalue	
2) Propylene	3.883	41	4151	0.143	ppbv#	80
3) Dichlorodifluoromethane	3.948	85	2585	0.052	ppbv#	81
4) Chloromethane	4.102	50	2250	0.084	ppbv#	44
5) 1,2-Dichlorotetrafluor...	4.191	85	2281	0.049	ppbv#	87
6) Vinyl Chloride	4.296	62	917	0.041	ppbv	79
7) 1,3-Butadiene	4.426	54	1427	0.065	ppbv#	82
8) Bromomethane	4.653	94	705	0.042	ppbv#	70
9) Chloroethane	4.799	64	579	0.061	ppbv#	37
11) Ethanol	4.872	45	2051	0.211	ppbv#	55
12) Acetone	5.256	43	8522	0.156	ppbv#	79
13) Trichlorofluoromethane	5.378	101	2803	0.049	ppbv#	90
14) Isopropylalcohol	5.421	45	3619	0.062	ppbv#	59
15) Acrylonitrile	5.587	53	566	0.030	ppbv#	40
16) 1,1-Dichloroethene	5.842	61	1915	0.044	ppbv#	72
17) Methylene Chloride	5.919	49	3184	0.078	ppbv#	91
20) Carbon Disulfide	6.146	76	2856	0.050	ppbv#	75
21) Trichlorotrifluoroethane	6.086	101	1877	0.042	ppbv	96
22) Trans-1,2-Dichloroethene	6.554	61	1595	0.039	ppbv	94
23) 1,1-Dichloroethane	6.683	63	2266	0.048	ppbv	71
24) Methyl tert-butyl ethe...	6.708	73	2951	0.051	ppbv#	85
25) Methyl Ethyl Ketone	6.935	43	4747	0.066	ppbv#	69
26) Cis-1,2-Dichloroethene	7.219	61	1631	0.041	ppbv#	83
27) Hexane	7.340	57	2477	0.051	ppbv#	66
28) Chloroform	7.405	83	2314	0.050	ppbv	85
29) Ethyl acetate	0.000	61	0	0.000	ppbv	0
30) Tetrahydrofuran	7.681	42	2044	0.053	ppbv#	53
31) 1,2-Dichloroethane	7.875	62	1411	0.038	ppbv#	54
32) 1,1,1-Trichloroethane	8.038	97	2365	0.049	ppbv	89
33) Benzene	8.326	78	4202	0.064	ppbv	94
34) Carbon Tetrachloride	8.412	117	2299	0.044	ppbv	93
35) Cyclohexane	8.499	84	1608	0.063	ppbv#	1
37) 1,2-dichloropropane	8.810	63	1675	0.051	ppbv#	26
38) Bromodichloromethane	8.923	83	2152	0.044	ppbv	87
39) Trichloroethene	8.949	130	1283	0.042	ppbv	90
40) 2,2,4-trimethylpentane	8.949	57	7628	0.049	ppbv#	92
41) 1,4-Dioxane	8.949	88	251	0.020	ppbv#	1
43) Heptane	9.078	43	4510	0.063	ppbv#	87
44) cis-1,3-Dichloropropene	9.439	75	1618	0.040	ppbv#	75
45) 4-Methyl-2-pentanone(M...	9.446	43	5358	0.062	ppbv#	79
46) trans-1,3-Dichloropropene	9.734	75	1147	0.035	ppbv#	62
47) 1,1,2-Trichloroethane	9.840	97	1190	0.042	ppbv#	89
48) Toluene	10.009	91	4580	0.055	ppbv#	96

Quantitation Report (RF) (QT Reviewed)

Data Path : H:\AIR2025\CHEM39\09SEP\20\
 Data File : 0920_06.D
 Acq On : 20 Sep 2025 12:17 pm
 Operator :
 Client ID : ICAL 0.05
 Lab ID : 0.05 ppbv
 ALS Vial : 17 Sample Multiplier: 1

Quant Time: Sep 23 14:36:52 2025
 Quant Method : H:\AIR2025\CHEM39\Methods\39_AIR_0920.M
 Quant Title : VOA Standards for 5 point calibration
 QLast Update : Fri Sep 19 08:41:19 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
49) Dibromochloromethane	10.262	129	2260	0.042	ppbv#	90
50) 2-Hexanone(MBK)	10.135	43	4659	0.062	ppbv#	77
51) 1,2-Dibromoethane(EDB)	10.410	107	1905	0.041	ppbv	96
52) Tetrachloroethene	10.649	166	2142	0.052	ppbv	98
54) 1,1,1,2-Tetrachloroethane	11.016	131	1627	0.046	ppbv#	84
55) Chlorobenzene	11.031	112	3231	0.052	ppbv#	1
56) Ethylbenzene	11.228	91	5808	0.055	ppbv	94
57) m, p-Xylene	11.319	91	8894	0.108	ppbv	96
58) Bromoform	11.395	173	2246	0.043	ppbv	97
59) Styrene	11.524	104	2540	0.043	ppbv	98
60) 1,1,2,2-Tetrachloroethane	11.585	83	3100	0.051	ppbv#	86
61) o-Xylene	11.585	91	5018	0.059	ppbv#	93
65) Isopropylbenzene	11.903	105	6269	0.053	ppbv#	96
66) 4-Ethyltoluene	12.282	105	6309	0.053	ppbv	94
67) 1,3,5-Trimethylbenzene	12.320	105	5481	0.055	ppbv#	94
68) 1,2,4-Trimethylbenzene	12.571	105	5237	0.052	ppbv#	92
70) Benzyl chloride	12.677	91	2742	0.036	ppbv#	87
71) 1,3-Dichlorobenzene	12.693	146	2899	0.044	ppbv	93
72) 1,4-Dichlorobenzene	12.731	146	3259	0.052	ppbv	92
73) sec-Butylbenzene	12.738	105	7071	0.049	ppbv	98
74) 4-Isopropyltoluene	12.822	119	7238	0.055	ppbv	98
75) 1,2-Dichlorobenzene	12.951	146	3007	0.048	ppbv	93
76) n-Butylbenzene	13.087	91	6137	0.054	ppbv	91
77) 1,2,4-Trichlorobenzene	14.135	180	1614	0.038	ppbv#	94
78) Naphthalene	14.234	128	9157	0.099	ppbv#	93
79) Hexachlorobutadiene	14.477	225	2744	0.054	ppbv	93
81] 1,2-Dichlorotetrafluor...	4.191	85	2281	0.047	ppbv#	87
82] Vinyl Chloride(sim)	4.299	62	1158	0.048	ppbv	96
83] Bromomethane(sim)	4.656	94	1036m	0.058	ppbv	70
84] Trichlorofluoromethane...	5.381	101	2852	0.049	ppbv#	98
85] 1,2-Dichloroethane(sim)	7.878	62	1885m	0.050	ppbv	54
86] 1,1,1-Trichloroethane(...	8.041	97	2420	0.048	ppbv#	98
87] Benzene(sim)	8.326	78	4202	0.057	ppbv	94
88] Carbon Tetrachloride(sim)	8.415	117	2392	0.048	ppbv	98
89] 1,1-Dichloroethene(sim)	5.842	61	1915	0.043	ppbv#	72
90] Trichlorotrifluoroetha...	6.095	101	2184	0.049	ppbv#	98
91] Trans-1,2-Dichloroethe...	6.554	61	1595	0.040	ppbv	94
92] 1,1-Dichloroethane(sim)	6.678	63	2431	0.048	ppbv	98
93] Cis-1,2-Dichloroethene...	7.219	61	1631	0.041	ppbv#	83
94] Chloroform(sim)	7.408	83	2468	0.050	ppbv#	91
96] 1,2-dichloropropane(sim)	8.813	63	1671	0.046	ppbv	95
97] Bromodichloromethane(sim)	8.923	83	2152	0.043	ppbv	87
98] Trichloroethene(sim)	8.952	130	1475	0.048	ppbv	97
99] 1,4-Dioxane(sim)	8.952	88	701m	0.059	ppbv	1
100] cis-1,3-Dichloropropen...	9.442	75	1943	0.046	ppbv	92
101] 1,1,2-Trichloroethane(...	9.850	97	1340m	0.045	ppbv	89
102] Dibromochloromethane(sim)	10.265	129	2417	0.048	ppbv	98
103] 1,2-Dibromoethane(EDB)...	10.406	107	2267m	0.048	ppbv	96
104] Tetrachloroethene(sim)	10.652	166	1914	0.048	ppbv	94
106] Bromoform(sim)	11.398	173	2164	0.046	ppbv	99
107] m, p-Xylene(sim)	11.319	91	8894	0.099	ppbv	97
108] 1,1,2,2-Tetrachloroeth...	11.580	83	3035	0.047	ppbv	97
109] Benzyl chloride(sim)	12.677	91	2742	0.040	ppbv	87
110] 1,3-Dichlorobenzene(sim)	12.688	146	3258	0.046	ppbv	100
111] 1,4-Dichlorobenzene(sim)	12.731	146	3259	0.049	ppbv	92

Quantitation Report (RF) (QT Reviewed)

Data Path : H:\AIR2025\CHEM39\09SEP\20\
Data File : 0920_06.D
Acq On : 20 Sep 2025 12:17 pm
Operator :
Client ID : ICAL 0.05
Lab ID : 0.05 ppbv
ALS Vial : 17 Sample Multiplier: 1

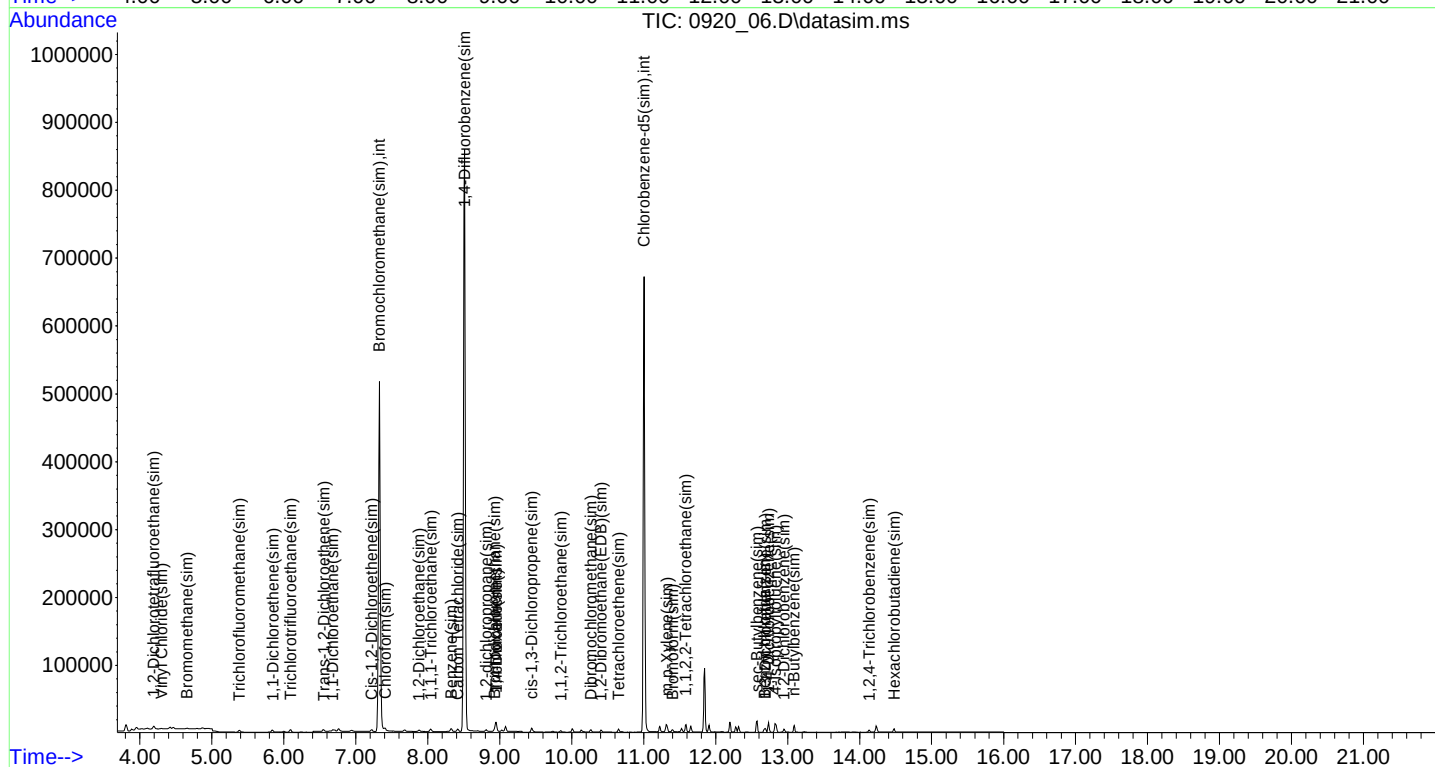
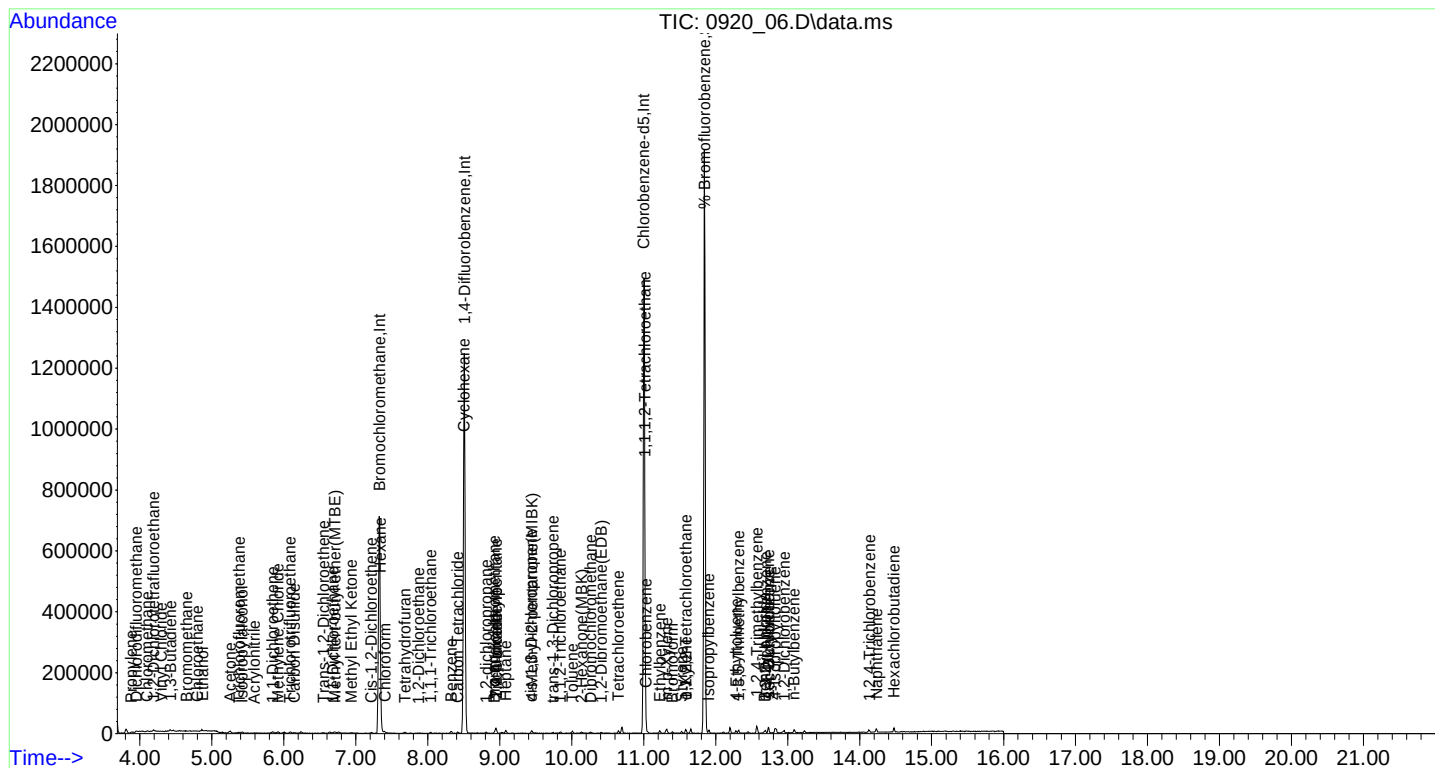
Quant Time: Sep 23 14:36:52 2025
Quant Method : H:\AIR2025\CHEM39\Methods\39_AIR_0920.M
Quant Title : VOA Standards for 5 point calibration
QLast Update : Fri Sep 19 08:41:19 2025
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
112]	sec-Butylbenzene(sim)	12.574	105	5515	0.048	ppbv	96
113]	4-Isopropyltoluene(sim)	12.822	119	7238	0.051	ppbv	97
114]	1,2-Dichlorobenzene(sim)	12.946	146	3224	0.048	ppbv	98
115]	n-Butylbenzene(sim)	13.087	91	6137	0.052	ppbv	91
116]	1,2,4-Trichlorobenzene...	14.131	180	1798	0.057	ppbv	99
118]	Hexachlorobutadiene(sim)	14.480	225	2756	0.057	ppbv	98

(#)out of range (m>manual integration reviewed by analyst (+)signals summed

Data Path : H:\AIR2025\CHEM39\09SEP\20\
Data File : 0920_06.D
Acq On : 20 Sep 2025 12:17 pm
Operator :
Client ID : ICAL 0.05
Lab ID : 0.05 ppbv
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Sep 23 14:36:52 2025
Quant Method : H:\AIR2025\CHEM39\Methods\39_AIR_0920.M
Quant Title : VOA Standards for 5 point calibration
QLast Update : Fri Sep 19 08:41:19 2025
Response via : Initial Calibration



Quantitation Report (RF) (QT Reviewed)

Data Path : H:\AIR2025\CHEM39\09SEP\20\
 Data File : 0920_07.D
 Acq On : 20 Sep 2025 12:53 pm
 Operator :
 Client ID : ICAL 0.1
 Lab ID : 0.10 ppbv
 ALS Vial : 18 Sample Multiplier: 1

Quant Time: Sep 23 14:29:15 2025
 Quant Method : H:\AIR2025\CHEM39\Methods\39_AIR_0920.M
 Quant Title : VOA Standards for 5 point calibration
 QLast Update : Fri Sep 19 08:41:19 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	7.332	130	197385	10.000	ng	0.02
36) 1,4-Difluorobenzene	8.507	114	764918	10.000	ng	0.00
53) Chlorobenzene-d5	11.000	82	385156	10.000	ng	0.00
80) Bromochloromethane(sim)	7.335	130	186101	10.000	ng	# 0.02
95) 1,4-Difluorobenzene(sim)	8.507	114	764918	10.000	ng	0.00
105) Chlorobenzene-d5(sim)	11.000	82	385156	10.000	ng	0.00
System Monitoring Compounds						
62) % Bromofluorobenzene	11.842	95	503018	11.386	ppbv	0.00
Spiked Amount	10.000	Range	70 - 130	Recovery	=	113.90%
Target Compounds						
					Qvalue	
2) Propylene	3.891	41	4699	0.164	ppbv#	91
3) Dichlorodifluoromethane	3.955	85	5070	0.102	ppbv#	94
4) Chloromethane	4.101	50	3448	0.131	ppbv	92
5) 1,2-Dichlorotetrafluor...	4.191	85	4872	0.106	ppbv	97
6) Vinyl Chloride	4.304	62	2215	0.101	ppbv	77
7) 1,3-Butadiene	4.426	54	2611	0.121	ppbv#	91
8) Bromomethane	4.653	94	1440	0.087	ppbv#	71
9) Chloroethane	4.799	64	1070	0.114	ppbv#	51
11) Ethanol	4.880	45	1582	0.165	ppbv#	67
12) Acetone	5.255	43	9135	0.169	ppbv	91
13) Trichlorofluoromethane	5.384	101	5802	0.102	ppbv#	92
14) Isopropylalcohol	5.421	45	6529	0.114	ppbv#	81
15) Acrylonitrile	5.599	53	1621	0.087	ppbv#	86
16) 1,1-Dichloroethene	5.842	61	4294	0.099	ppbv	90
17) Methylene Chloride	5.919	49	5096	0.126	ppbv	98
20) Carbon Disulfide	6.157	76	5366	0.095	ppbv#	82
21) Trichlorotrifluoroethane	6.092	101	4642	0.106	ppbv	97
22) Trans-1,2-Dichloroethene	6.553	61	3736	0.092	ppbv	99
23) 1,1-Dichloroethane	6.683	63	5058	0.108	ppbv	88
24) Methyl tert-butyl ethe...	6.715	73	5833	0.102	ppbv#	87
25) Methyl Ethyl Ketone	6.934	43	9144	0.128	ppbv#	75
26) Cis-1,2-Dichloroethene	7.218	61	4283	0.110	ppbv#	89
27) Hexane	7.340	57	5676	0.118	ppbv#	89
28) Chloroform	7.405	83	5257	0.116	ppbv	93
29) Ethyl acetate	7.348	61	234	0.026	ppbv#	31
30) Tetrahydrofuran	7.681	42	3997	0.105	ppbv#	78
31) 1,2-Dichloroethane	7.883	62	3556	0.098	ppbv	96
32) 1,1,1-Trichloroethane	8.037	97	5097	0.107	ppbv	93
33) Benzene	8.325	78	7055	0.108	ppbv	98
34) Carbon Tetrachloride	8.421	117	5236	0.102	ppbv	92
35) Cyclohexane	8.499	84	3111	0.123	ppbv#	24
37) 1,2-dichloropropane	8.810	63	3383	0.103	ppbv#	77
38) Bromodichloromethane	8.922	83	5119	0.107	ppbv	89
39) Trichloroethene	8.948	130	3033	0.100	ppbv	94
40) 2,2,4-trimethylpentane	8.948	57	17039	0.111	ppbv	96
41) 1,4-Dioxane	8.948	88	848	0.068	ppbv#	61
43) Heptane	9.087	43	8271	0.117	ppbv#	88
44) cis-1,3-Dichloropropene	9.438	75	3779	0.095	ppbv	97
45) 4-Methyl-2-pentanone(M...	9.445	43	9963	0.117	ppbv#	87
46) trans-1,3-Dichloropropene	9.734	75	2594	0.081	ppbv#	89
47) 1,1,2-Trichloroethane	9.840	97	3016	0.109	ppbv	88
48) Toluene	10.009	91	8703	0.106	ppbv	98

Quantitation Report (RF) (QT Reviewed)

Data Path : H:\AIR2025\CHEM39\09SEP\20\
 Data File : 0920_07.D
 Acq On : 20 Sep 2025 12:53 pm
 Operator :
 Client ID : ICAL 0.1
 Lab ID : 0.10 ppbv
 ALS Vial : 18 Sample Multiplier: 1

Quant Time: Sep 23 14:29:15 2025
 Quant Method : H:\AIR2025\CHEM39\Methods\39_AIR_0920.M
 Quant Title : VOA Standards for 5 point calibration
 QLast Update : Fri Sep 19 08:41:19 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
49) Dibromochloromethane	10.262	129	5162	0.097	ppbv	98
50) 2-Hexanone(MBK)	10.128	43	8219	0.111	ppbv#	92
51) 1,2-Dibromoethane(EDB)	10.410	107	4469	0.097	ppbv	97
52) Tetrachloroethene	10.649	166	4423	0.110	ppbv	92
54) 1,1,1,2-Tetrachloroethane	11.016	131	3545	0.102	ppbv	93
55) Chlorobenzene	11.031	112	6345	0.105	ppbv#	33
56) Ethylbenzene	11.220	91	11181	0.109	ppbv	98
57) m,p-Xylene	11.319	91	19012	0.238	ppbv	95
58) Bromoform	11.395	173	5094	0.100	ppbv	92
59) Styrene	11.524	104	6187	0.107	ppbv	95
60) 1,1,2,2-Tetrachloroethane	11.584	83	5986	0.102	ppbv#	88
61) o-Xylene	11.584	91	9017	0.109	ppbv	95
65) Isopropylbenzene	11.903	105	12559	0.109	ppbv	94
66) 4-Ethyltoluene	12.282	105	11791	0.101	ppbv	98
67) 1,3,5-Trimethylbenzene	12.320	105	11004	0.113	ppbv#	96
68) 1,2,4-Trimethylbenzene	12.571	105	10782	0.109	ppbv	93
70) Benzyl chloride	12.677	91	5529	0.075	ppbv	96
71) 1,3-Dichlorobenzene	12.685	146	6344	0.099	ppbv	98
72) 1,4-Dichlorobenzene	12.730	146	6378	0.104	ppbv	95
73) sec-Butylbenzene	12.738	105	14616	0.104	ppbv	97
74) 4-Isopropyltoluene	12.821	119	13806	0.107	ppbv	96
75) 1,2-Dichlorobenzene	12.950	146	5654	0.094	ppbv	97
76) n-Butylbenzene	13.087	91	10941	0.099	ppbv	97
77) 1,2,4-Trichlorobenzene	14.128	180	2459	0.059	ppbv	95
78) Naphthalene	14.234	128	8992	0.100	ppbv#	96
79) Hexachlorobutadiene	14.477	225	5169	0.104	ppbv	97
81] 1,2-Dichlorotetrafluor...	4.191	85	4872	0.101	ppbv	97
82] Vinyl Chloride(sim)	4.307	62	2443	0.104	ppbv	96
83] Bromomethane(sim)	4.653	94	1440	0.081	ppbv#	71
84] Trichlorofluoromethane...	5.387	101	6029	0.104	ppbv#	99
85] 1,2-Dichloroethane(sim)	7.883	62	3556	0.095	ppbv	96
86] 1,1,1-Trichloroethane(...	8.040	97	5152	0.104	ppbv#	99
87] Benzene(sim)	8.325	78	7055	0.097	ppbv	98
88] Carbon Tetrachloride(sim)	8.415	117	5042	0.102	ppbv	99
89] 1,1-Dichloroethene(sim)	5.842	61	4294	0.097	ppbv	90
90] Trichlorotrifluoroetha...	6.095	101	4585	0.104	ppbv#	98
91] Trans-1,2-Dichloroethe...	6.553	61	3736	0.094	ppbv	99
92] 1,1-Dichloroethane(sim)	6.686	63	5096	0.102	ppbv	99
93] Cis-1,2-Dichloroethene...	7.218	61	4283	0.109	ppbv#	89
94] Chloroform(sim)	7.408	83	5012	0.103	ppbv#	95
96] 1,2-dichloropropane(sim)	8.813	63	3620	0.102	ppbv	97
97] Bromodichloromethane(sim)	8.922	83	5119	0.104	ppbv	88
98] Trichloroethene(sim)	8.951	130	3130	0.103	ppbv	96
99] 1,4-Dioxane(sim)	8.948	88	848	0.072	ppbv#	61
100] cis-1,3-Dichloropropen...	9.441	75	4237	0.101	ppbv	98
101] 1,1,2-Trichloroethane(...	9.840	97	3016	0.103	ppbv	88
102] Dibromochloromethane(sim)	10.265	129	5102	0.102	ppbv	99
103] 1,2-Dibromoethane(EDB)...	10.410	107	4469	0.096	ppbv	96
104] Tetrachloroethene(sim)	10.652	166	4016	0.102	ppbv	96
106] Bromoform(sim)	11.398	173	4530	0.098	ppbv	99
107] m,p-Xylene(sim)	11.319	91	19012	0.218	ppbv	95
108] 1,1,2,2-Tetrachloroeth...	11.580	83	6241	0.099	ppbv	98
109] Benzyl chloride(sim)	12.677	91	5529	0.084	ppbv	96
110] 1,3-Dichlorobenzene(sim)	12.688	146	6486	0.093	ppbv	99
111] 1,4-Dichlorobenzene(sim)	12.730	146	6378	0.099	ppbv	95

Quantitation Report (RF) (QT Reviewed)

Data Path : H:\AIR2025\CHEM39\09SEP\20\
Data File : 0920_07.D
Acq On : 20 Sep 2025 12:53 pm
Operator :
Client ID : ICAL 0.1
Lab ID : 0.10 ppbv
ALS Vial : 18 Sample Multiplier: 1

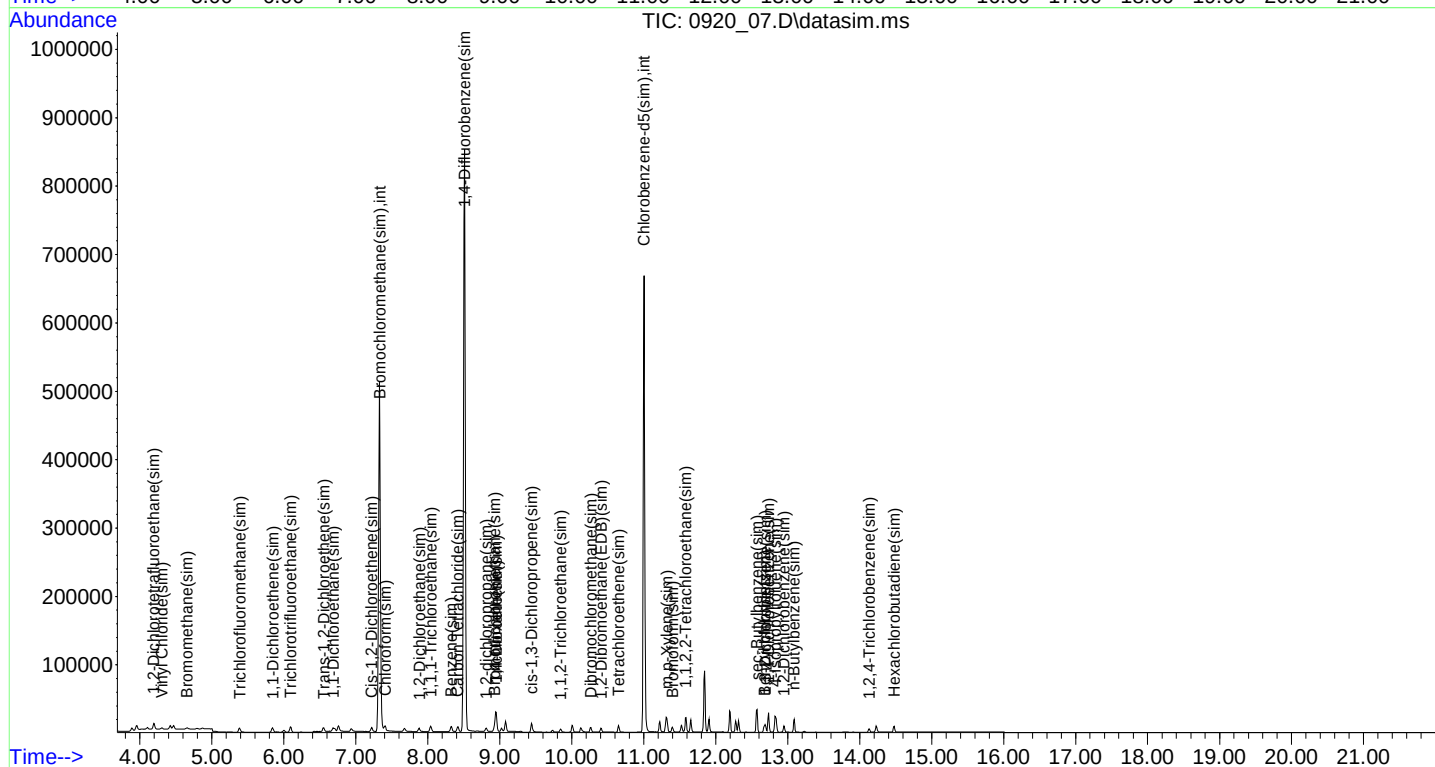
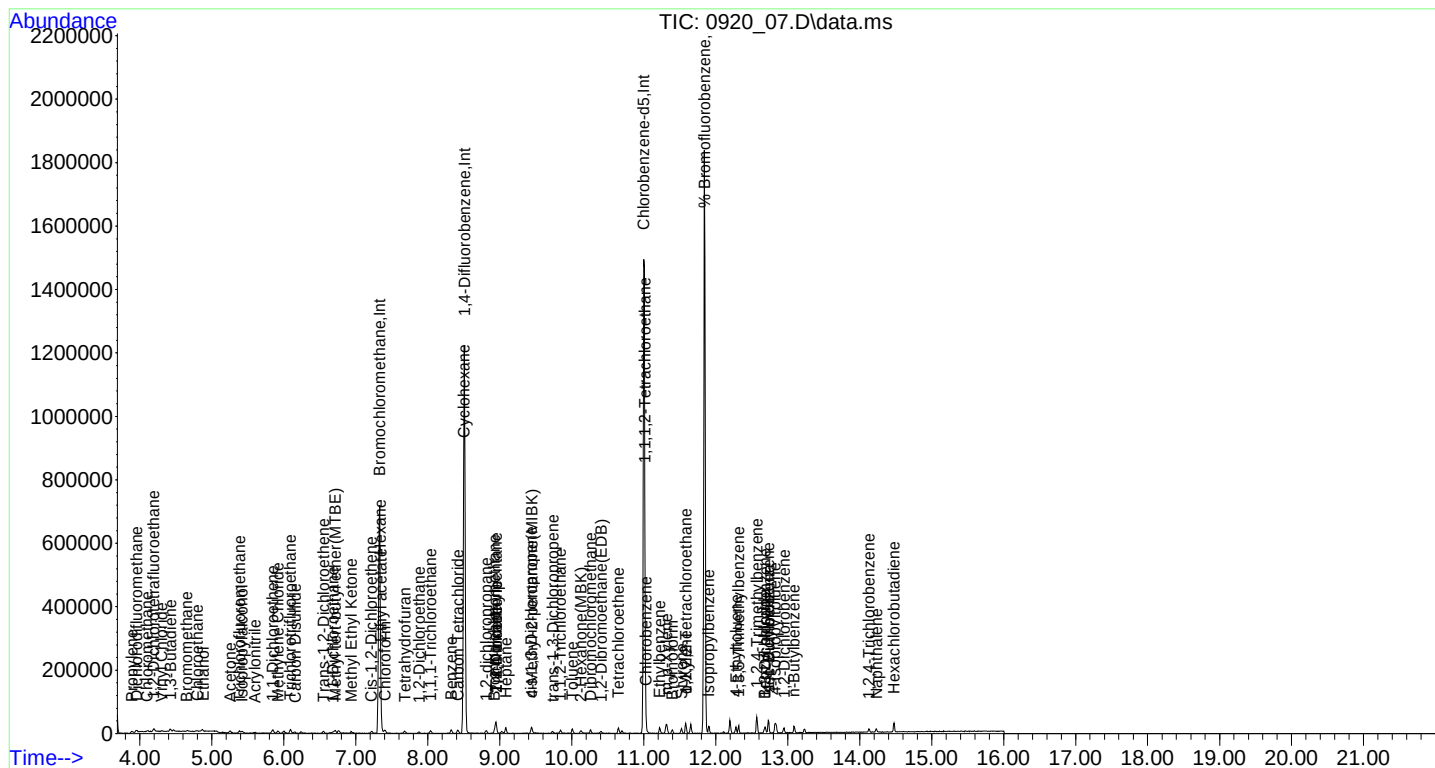
Quant Time: Sep 23 14:29:15 2025
Quant Method : H:\AIR2025\CHEM39\Methods\39_AIR_0920.M
Quant Title : VOA Standards for 5 point calibration
QLast Update : Fri Sep 19 08:41:19 2025
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
112]	sec-Butylbenzene(sim)	12.574	105	11019	0.097	ppbv	96
113]	4-Isopropyltoluene(sim)	12.821	119	13806	0.099	ppbv	96
114]	1,2-Dichlorobenzene(sim)	12.946	146	6205	0.094	ppbv	98
115]	n-Butylbenzene(sim)	13.087	91	10941	0.095	ppbv	97
116]	1,2,4-Trichlorobenzene...	14.131	180	2846	0.091	ppbv	97
118]	Hexachlorobutadiene(sim)	14.480	225	4989	0.106	ppbv	98

(#)out of range (m>manual integration reviewed by analyst (+)signals summed

Data Path : H:\AIR2025\CHEM39\09SEP\20\
Data File : 0920_07.D
Acq On : 20 Sep 2025 12:53 pm
Operator :
Client ID : ICAL 0.1
Lab ID : 0.10 ppbv
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Sep 23 14:29:15 2025
Quant Method : H:\AIR2025\CHEM39\Methods\39_AIR_0920.M
Quant Title : VOA Standards for 5 point calibration
QLast Update : Fri Sep 19 08:41:19 2025
Response via : Initial Calibration



Quantitation Report (RF) (QT Reviewed)

Data Path : H:\AIR2025\CHEM39\09SEP\20\
 Data File : 0920_08.D
 Acq On : 20 Sep 2025 1:30 pm
 Operator :
 Client ID : ICAL 0.2
 Lab ID : 0.20 ppbv
 ALS Vial : 19 Sample Multiplier: 1

Quant Time: Sep 23 14:29:16 2025
 Quant Method : H:\AIR2025\CHEM39\Methods\39_AIR_0920.M
 Quant Title : VOA Standards for 5 point calibration
 QLast Update : Fri Sep 19 08:41:19 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	7.332	130	199887	10.000	ng	0.02
36) 1,4-Difluorobenzene	8.507	114	779045	10.000	ng	0.00
53) Chlorobenzene-d5	11.001	82	392862	10.000	ng	0.00
80) Bromochloromethane(sim)	7.335	130	189617	10.000	ng	# 0.02
95) 1,4-Difluorobenzene(sim)	8.507	114	779045	10.000	ng	0.00
105) Chlorobenzene-d5(sim)	11.001	82	392862	10.000	ng	0.00
System Monitoring Compounds						
62) % Bromofluorobenzene	11.842	95	519054	11.519	ppbv	0.00
Spiked Amount	10.000	Range	70 - 130	Recovery	=	115.20%
Target Compounds						
					Qvalue	
2) Propylene	3.891	41	7750	0.267	ppbv	92
3) Dichlorodifluoromethane	3.956	85	10018	0.200	ppbv#	92
4) Chloromethane	4.110	50	6005	0.225	ppbv	94
5) 1,2-Dichlorotetrafluor...	4.199	85	9582	0.205	ppbv	97
6) Vinyl Chloride	4.313	62	4455	0.201	ppbv	98
7) 1,3-Butadiene	4.426	54	5054	0.232	ppbv	96
8) Bromomethane	4.653	94	3476	0.208	ppbv#	93
9) Chloroethane	4.799	64	1833	0.193	ppbv	77
11) Ethanol	4.880	45	2591	0.267	ppbv#	62
12) Acetone	5.256	43	14408	0.263	ppbv#	88
13) Trichlorofluoromethane	5.384	101	11731	0.203	ppbv	97
14) Isopropylalcohol	5.421	45	12002	0.207	ppbv#	93
15) Acrylonitrile	5.593	53	3357	0.178	ppbv	95
16) 1,1-Dichloroethene	5.842	61	8505	0.193	ppbv	98
17) Methylene Chloride	5.919	49	9580	0.234	ppbv	92
20) Carbon Disulfide	6.152	76	11408	0.200	ppbv	98
21) Trichlorotrifluoroethane	6.092	101	9095	0.205	ppbv	96
22) Trans-1,2-Dichloroethene	6.545	61	8325	0.202	ppbv	97
23) 1,1-Dichloroethane	6.683	63	9765	0.207	ppbv	89
24) Methyl tert-butyl ethe...	6.708	73	11556	0.200	ppbv	91
25) Methyl Ethyl Ketone	6.935	43	14934	0.206	ppbv#	87
26) Cis-1,2-Dichloroethene	7.219	61	7612	0.193	ppbv	98
27) Hexane	7.340	57	10155	0.209	ppbv	88
28) Chloroform	7.405	83	9466	0.206	ppbv	94
29) Ethyl acetate	7.332	61	1308	0.142	ppbv#	81
30) Tetrahydrofuran	7.673	42	7925	0.206	ppbv#	90
31) 1,2-Dichloroethane	7.875	62	7262	0.198	ppbv	98
32) 1,1,1-Trichloroethane	8.038	97	9399	0.194	ppbv	96
33) Benzene	8.326	78	13201	0.200	ppbv	96
34) Carbon Tetrachloride	8.421	117	9988	0.193	ppbv	100
35) Cyclohexane	8.499	84	5362	0.210	ppbv#	65
37) 1,2-dichloropropane	8.810	63	6793	0.204	ppbv#	92
38) Bromodichloromethane	8.923	83	9209	0.189	ppbv	98
39) Trichloroethene	8.949	130	6117	0.199	ppbv	96
40) 2,2,4-trimethylpentane	8.949	57	32833	0.211	ppbv	97
41) 1,4-Dioxane	8.940	88	2068	0.163	ppbv	85
43) Heptane	9.087	43	15253	0.212	ppbv	97
44) cis-1,3-Dichloropropene	9.439	75	7712	0.190	ppbv	96
45) 4-Methyl-2-pentanone(M...	9.439	43	18915	0.218	ppbv#	93
46) trans-1,3-Dichloropropene	9.734	75	5876	0.180	ppbv	95
47) 1,1,2-Trichloroethane	9.847	97	5408	0.192	ppbv	91
48) Toluene	10.009	91	16757	0.201	ppbv	99

Quantitation Report (RF) (QT Reviewed)

Data Path : H:\AIR2025\CHEM39\09SEP\20\
 Data File : 0920_08.D
 Acq On : 20 Sep 2025 1:30 pm
 Operator :
 Client ID : ICAL 0.2
 Lab ID : 0.20 ppbv
 ALS Vial : 19 Sample Multiplier: 1

Quant Time: Sep 23 14:29:16 2025
 Quant Method : H:\AIR2025\CHEM39\Methods\39_AIR_0920.M
 Quant Title : VOA Standards for 5 point calibration
 QLast Update : Fri Sep 19 08:41:19 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
49) Dibromochloromethane	10.262	129	9841	0.181	ppbv	94
50) 2-Hexanone(MBK)	10.121	43	15005	0.198	ppbv#	98
51) 1,2-Dibromoethane(EDB)	10.403	107	8876	0.189	ppbv	95
52) Tetrachloroethene	10.649	166	8399	0.205	ppbv	100
54) 1,1,1,2-Tetrachloroethane	11.016	131	6997	0.198	ppbv	99
55) Chlorobenzene	11.031	112	12826	0.208	ppbv#	70
56) Ethylbenzene	11.221	91	21656	0.207	ppbv	99
57) m, p-Xylene	11.319	91	34665	0.426	ppbv	97
58) Bromoform	11.395	173	9484	0.183	ppbv	95
59) Styrene	11.524	104	11647	0.198	ppbv	94
60) 1,1,2,2-Tetrachloroethane	11.585	83	12264	0.204	ppbv	94
61) o-Xylene	11.585	91	17741	0.209	ppbv#	96
65) Isopropylbenzene	11.903	105	24810	0.212	ppbv	98
66) 4-Ethyltoluene	12.282	105	24260	0.204	ppbv	98
67) 1,3,5-Trimethylbenzene	12.320	105	20326	0.205	ppbv	96
68) 1,2,4-Trimethylbenzene	12.571	105	21018	0.208	ppbv	96
70) Benzyl chloride	12.670	91	12245	0.162	ppbv	98
71) 1,3-Dichlorobenzene	12.693	146	12413	0.190	ppbv	95
72) 1,4-Dichlorobenzene	12.730	146	12329	0.198	ppbv	97
73) sec-Butylbenzene	12.730	105	29569	0.207	ppbv	97
74) 4-Isopropyltoluene	12.822	119	27202	0.208	ppbv	98
75) 1,2-Dichlorobenzene	12.951	146	11941	0.194	ppbv	99
76) n-Butylbenzene	13.087	91	21227	0.188	ppbv#	95
77) 1,2,4-Trichlorobenzene	14.128	180	6529	0.153	ppbv	99
78) Naphthalene	14.227	128	16886	0.184	ppbv#	98
79) Hexachlorobutadiene	14.477	225	10909	0.214	ppbv	98
81] 1,2-Dichlorotetrafluor...	4.199	85	9582	0.195	ppbv	97
82] Vinyl Chloride(sim)	4.307	62	4663	0.194	ppbv	98
83] Bromomethane(sim)	4.653	94	3476	0.192	ppbv#	93
84] Trichlorofluoromethane...	5.387	101	11662	0.198	ppbv#	99
85] 1,2-Dichloroethane(sim)	7.875	62	7262	0.191	ppbv	98
86] 1,1,1-Trichloroethane(...	8.040	97	9871	0.196	ppbv#	99
87] Benzene(sim)	8.326	78	13201	0.177	ppbv	96
88] Carbon Tetrachloride(sim)	8.415	117	9678	0.193	ppbv	98
89] 1,1-Dichloroethene(sim)	5.842	61	8505	0.189	ppbv	98
90] Trichlorotrifluoroetha...	6.095	101	8903	0.198	ppbv#	98
91] Trans-1,2-Dichloroethe...	6.545	61	8325	0.206	ppbv	97
92] 1,1-Dichloroethane(sim)	6.686	63	9962	0.196	ppbv	97
93] Cis-1,2-Dichloroethene...	7.219	61	7612	0.191	ppbv	98
94] Chloroform(sim)	7.408	83	9467	0.190	ppbv	96
96] 1,2-dichloropropane(sim)	8.813	63	6956	0.192	ppbv	98
97] Bromodichloromethane(sim)	8.923	83	9209	0.183	ppbv	98
98] Trichloroethene(sim)	8.952	130	6016	0.194	ppbv	97
99] 1,4-Dioxane(sim)	8.940	88	2068	0.172	ppbv	85
100] cis-1,3-Dichloropropen...	9.435	75	8402	0.197	ppbv	100
101] 1,1,2-Trichloroethane(...	9.847	97	5408	0.181	ppbv	91
102] Dibromochloromethane(sim)	10.265	129	9770	0.192	ppbv	100
103] 1,2-Dibromoethane(EDB)...	10.403	107	8876	0.187	ppbv	95
104] Tetrachloroethene(sim)	10.652	166	7703	0.192	ppbv	96
106] Bromoform(sim)	11.398	173	8990	0.191	ppbv	100
107] m, p-Xylene(sim)	11.319	91	34665	0.390	ppbv	96
108] 1,1,2,2-Tetrachloroeth...	11.580	83	12000	0.186	ppbv	100
109] Benzyl chloride(sim)	12.670	91	12245	0.182	ppbv	98
110] 1,3-Dichlorobenzene(sim)	12.688	146	13103	0.184	ppbv	99
111] 1,4-Dichlorobenzene(sim)	12.730	146	12329	0.187	ppbv	97

Quantitation Report (RF) (QT Reviewed)

Data Path : H:\AIR2025\CHEM39\09SEP\20\
Data File : 0920_08.D
Acq On : 20 Sep 2025 1:30 pm
Operator :
Client ID : ICAL 0.2
Lab ID : 0.20 ppbv
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Sep 23 14:29:16 2025
Quant Method : H:\AIR2025\CHEM39\Methods\39_AIR_0920.M
Quant Title : VOA Standards for 5 point calibration
QLast Update : Fri Sep 19 08:41:19 2025
Response via : Initial Calibration

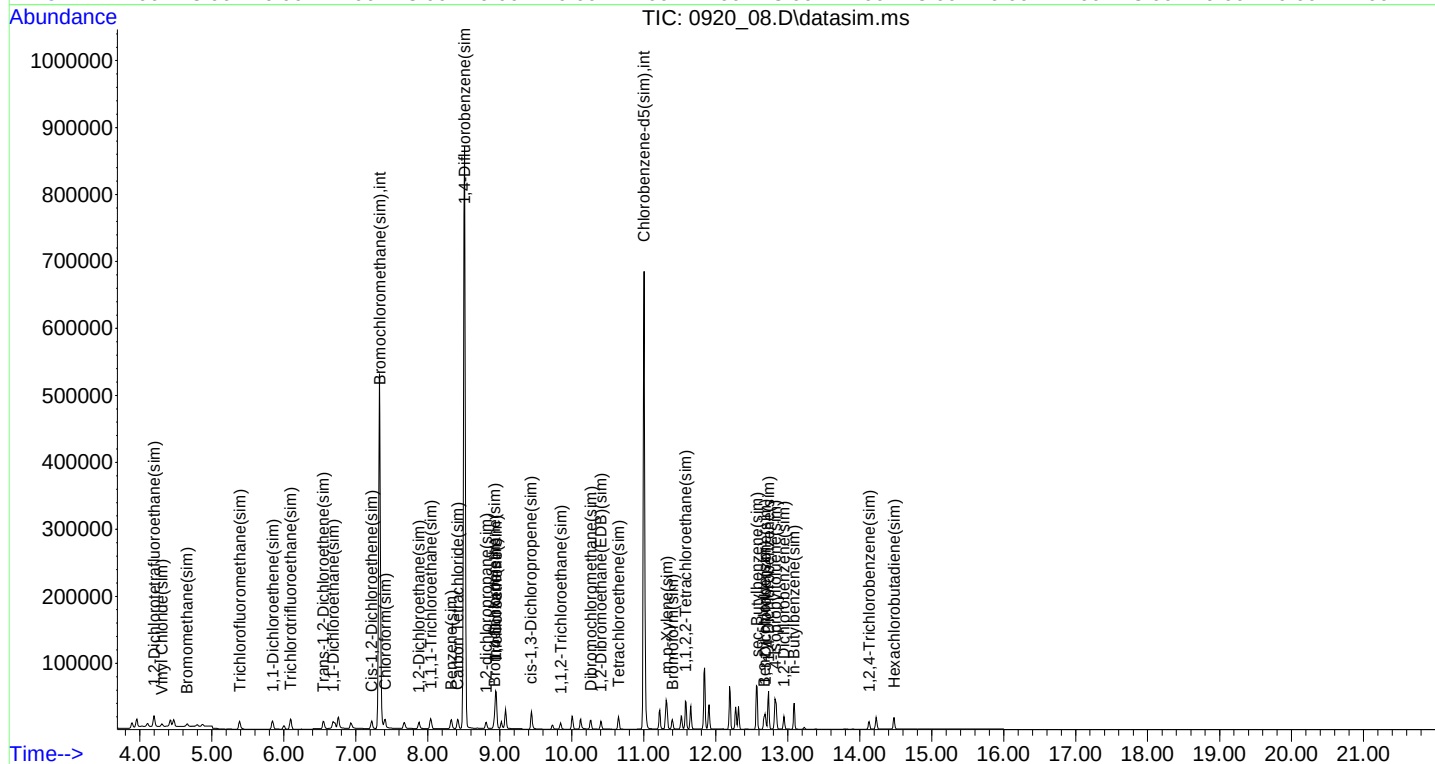
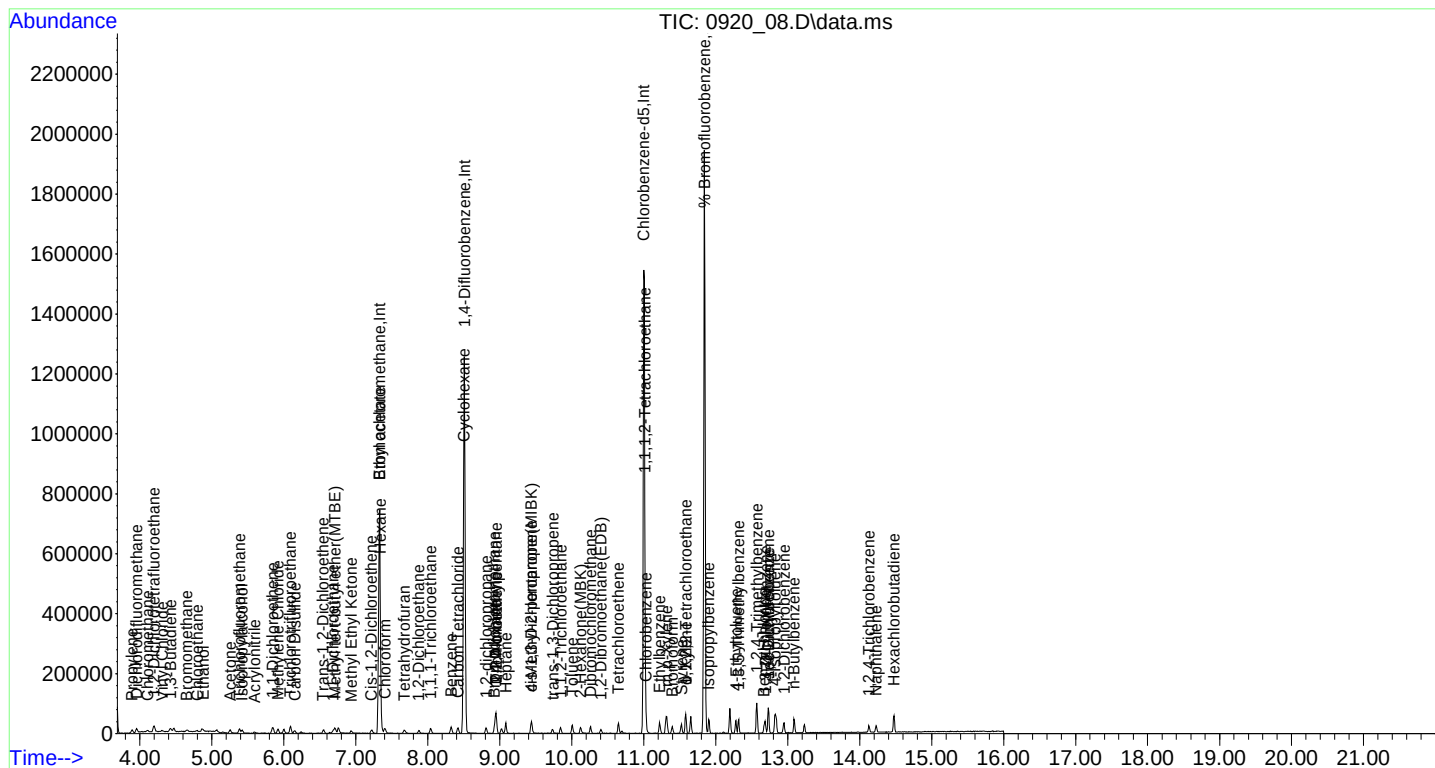
	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
112]	sec-Butylbenzene(sim)	12.574	105	21869	0.190	ppbv	95
113]	4-Isopropyltoluene(sim)	12.822	119	27202	0.191	ppbv	98
114]	1,2-Dichlorobenzene(sim)	12.946	146	12390	0.185	ppbv	99
115]	n-Butylbenzene(sim)	13.087	91	21227	0.181	ppbv	95
116]	1,2,4-Trichlorobenzene...	14.131	180	6664	0.199	ppbv	98
118]	Hexachlorobutadiene(sim)	14.480	225	9871	0.205	ppbv	99

(#)out of range (m>manual integration reviewed by analyst (+)signals summed

Quantitation Report (RF) (QT Reviewed)

Data Path : H:\AIR2025\CHEM39\09SEP\20\
Data File : 0920_08.D
Acq On : 20 Sep 2025 1:30 pm
Operator :
Client ID : ICAL 0.2
Lab ID : 0.20 ppbv
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Sep 23 14:29:16 2025
Quant Method : H:\AIR2025\CHEM39\Methods\39_AIR_0920.M
Quant Title : VOA Standards for 5 point calibration
QLast Update : Fri Sep 19 08:41:19 2025
Response via : Initial Calibration



Quantitation Report (RF) (QT Reviewed)

Data Path : H:\AIR2025\CHEM39\09SEP\20\
 Data File : 0920_09.D
 Acq On : 20 Sep 2025 2:08 pm
 Operator :
 Client ID : ICAL 0.5
 Lab ID : 0.5 ppbv
 ALS Vial : 20 Sample Multiplier: 1

Quant Time: Sep 23 14:29:17 2025
 Quant Method : H:\AIR2025\CHEM39\Methods\39_AIR_0920.M
 Quant Title : VOA Standards for 5 point calibration
 QLast Update : Fri Sep 19 08:41:19 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	7.324	130	196346	10.000	ng	0.00
36) 1,4-Difluorobenzene	8.507	114	763069	10.000	ng	0.00
53) Chlorobenzene-d5	11.001	82	387419	10.000	ng	0.00
80) Bromochloromethane(sim)	7.327	130	187258	10.000	ng	# 0.00
95) 1,4-Difluorobenzene(sim)	8.507	114	763069	10.000	ng	0.00
105) Chlorobenzene-d5(sim)	11.001	82	387419	10.000	ng	0.00

System Monitoring Compounds

62) % Bromofluorobenzene	11.842	95	521691	11.740	ppbv	0.00
Spiked Amount	10.000	Range 70 - 130	Recovery	=	117.40%	

Target Compounds

						Qvalue
2) Propylene	3.883	41	15203	0.533	ppbv	99
3) Dichlorodifluoromethane	3.948	85	25301	0.514	ppbv	97
4) Chloromethane	4.102	50	13777	0.525	ppbv	98
5) 1,2-Dichlorotetrafluor...	4.191	85	23125	0.504	ppbv	96
6) Vinyl Chloride	4.296	62	11368	0.521	ppbv	98
7) 1,3-Butadiene	4.418	54	10696	0.499	ppbv	92
8) Bromomethane	4.645	94	8861	0.540	ppbv#	97
9) Chloroethane	4.783	64	5059	0.543	ppbv	93
11) Ethanol	4.864	45	5812	0.610	ppbv	92
12) Acetone	5.243	43	28819	0.536	ppbv	95
13) Trichlorofluoromethane	5.378	101	29012	0.512	ppbv	100
14) Isopropylalcohol	5.415	45	30165	0.528	ppbv#	96
15) Acrylonitrile	5.587	53	9192	0.495	ppbv	100
16) 1,1-Dichloroethene	5.836	61	22184	0.514	ppbv	97
17) Methylene Chloride	5.913	49	20808	0.518	ppbv	98
20) Carbon Disulfide	6.146	76	27824	0.497	ppbv	100
21) Trichlorotrifluoroethane	6.086	101	21559	0.496	ppbv	97
22) Trans-1,2-Dichloroethene	6.545	61	20602	0.508	ppbv	99
23) 1,1-Dichloroethane	6.683	63	23249	0.501	ppbv	95
24) Methyl tert-butyl ethe...	6.708	73	29316	0.516	ppbv	98
25) Methyl Ethyl Ketone	6.927	43	35604	0.501	ppbv	95
26) Cis-1,2-Dichloroethene	7.219	61	19223	0.496	ppbv	98
27) Hexane	7.332	57	24745	0.518	ppbv	96
28) Chloroform	7.405	83	22375	0.495	ppbv	97
29) Ethyl acetate	7.324	61	4298	0.476	ppbv#	94
30) Tetrahydrofuran	7.665	42	19848	0.525	ppbv	96
31) 1,2-Dichloroethane	7.875	62	17350	0.481	ppbv	94
32) 1,1,1-Trichloroethane	8.038	97	23702	0.498	ppbv	99
33) Benzene	8.326	78	33842	0.522	ppbv	94
34) Carbon Tetrachloride	8.412	117	25075	0.493	ppbv	99
35) Cyclohexane	8.499	84	13008	0.519	ppbv#	84
37) 1,2-dichloropropane	8.810	63	16208	0.497	ppbv	98
38) Bromodichloromethane	8.923	83	23544	0.494	ppbv	98
39) Trichloroethene	8.949	130	15001	0.498	ppbv	92
40) 2,2,4-trimethylpentane	8.949	57	79263	0.519	ppbv	97
41) 1,4-Dioxane	8.931	88	6243	0.502	ppbv	90
43) Heptane	9.078	43	37006	0.526	ppbv	96
44) cis-1,3-Dichloropropene	9.432	75	19592	0.492	ppbv	96
45) 4-Methyl-2-pentanone(M...	9.439	43	45932	0.542	ppbv#	96
46) trans-1,3-Dichloropropene	9.727	75	15588	0.489	ppbv	95
47) 1,1,2-Trichloroethane	9.847	97	13639	0.494	ppbv	92
48) Toluene	10.009	91	40949	0.501	ppbv	96

Quantitation Report (RF) (QT Reviewed)

Data Path : H:\AIR2025\CHEM39\09SEP\20\
 Data File : 0920_09.D
 Acq On : 20 Sep 2025 2:08 pm
 Operator :
 Client ID : ICAL 0.5
 Lab ID : 0.5 ppbv
 ALS Vial : 20 Sample Multiplier: 1

Quant Time: Sep 23 14:29:17 2025
 Quant Method : H:\AIR2025\CHEM39\Methods\39_AIR_0920.M
 Quant Title : VOA Standards for 5 point calibration
 QLast Update : Fri Sep 19 08:41:19 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
49) Dibromochloromethane	10.262	129	25107	0.471	ppbv	97
50) 2-Hexanone(MBK)	10.114	43	39644	0.535	ppbv	98
51) 1,2-Dibromoethane(EDB)	10.403	107	22656	0.492	ppbv	99
52) Tetrachloroethene	10.649	166	20245	0.504	ppbv	98
54) 1,1,1,2-Tetrachloroethane	11.016	131	17809	0.510	ppbv	96
55) Chlorobenzene	11.031	112	31425	0.516	ppbv	96
56) Ethylbenzene	11.221	91	54480	0.528	ppbv	98
57) m,p-Xylene	11.312	91	86576	1.078	ppbv	97
58) Bromoform	11.395	173	24623	0.483	ppbv	97
59) Styrene	11.524	104	29331	0.504	ppbv	98
60) 1,1,2,2-Tetrachloroethane	11.585	83	30333	0.512	ppbv	93
61) o-Xylene	11.585	91	43552	0.521	ppbv	95
65) Isopropylbenzene	11.903	105	62435	0.540	ppbv	97
66) 4-Ethyltoluene	12.275	105	61154	0.522	ppbv	98
67) 1,3,5-Trimethylbenzene	12.320	105	51549	0.528	ppbv	95
68) 1,2,4-Trimethylbenzene	12.571	105	52677	0.529	ppbv	93
70) Benzyl chloride	12.670	91	31718	0.426	ppbv	99
71) 1,3-Dichlorobenzene	12.685	146	32293	0.502	ppbv	98
72) 1,4-Dichlorobenzene	12.730	146	30607	0.497	ppbv	99
73) sec-Butylbenzene	12.730	105	76708	0.545	ppbv	98
74) 4-Isopropyltoluene	12.822	119	68217	0.528	ppbv	98
75) 1,2-Dichlorobenzene	12.943	146	30786	0.507	ppbv	99
76) n-Butylbenzene	13.087	91	57815	0.519	ppbv	97
77) 1,2,4-Trichlorobenzene	14.128	180	18232	0.434	ppbv	97
78) Naphthalene	14.227	128	40609	0.449	ppbv#	99
79) Hexachlorobutadiene	14.477	225	26469	0.527	ppbv	98
81] 1,2-Dichlorotetrafluor...	4.191	85	23125	0.477	ppbv	96
82] Vinyl Chloride(sim)	4.299	62	11518	0.485	ppbv	100
83] Bromomethane(sim)	4.645	94	8861	0.496	ppbv#	97
84] Trichlorofluoromethane...	5.381	101	28639	0.493	ppbv#	100
85] 1,2-Dichloroethane(sim)	7.875	62	17350	0.463	ppbv	94
86] 1,1,1-Trichloroethane(...	8.040	97	24533	0.494	ppbv#	99
87] Benzene(sim)	8.326	78	33842	0.461	ppbv	94
88] Carbon Tetrachloride(sim)	8.415	117	24163	0.487	ppbv	100
89] 1,1-Dichloroethene(sim)	5.836	61	22184	0.500	ppbv	97
90] Trichlorotrifluoroetha...	6.089	101	21908	0.493	ppbv#	98
91] Trans-1,2-Dichloroethe...	6.545	61	20602	0.516	ppbv	99
92] 1,1-Dichloroethane(sim)	6.678	63	24642	0.490	ppbv	98
93] Cis-1,2-Dichloroethene...	7.219	61	19223	0.488	ppbv	98
94] Chloroform(sim)	7.400	83	22966	0.467	ppbv	98
96] 1,2-dichloropropane(sim)	8.804	63	17102	0.482	ppbv	98
97] Bromodichloromethane(sim)	8.923	83	23544	0.479	ppbv	99
98] Trichloroethene(sim)	8.943	130	14989	0.493	ppbv	95
99] 1,4-Dioxane(sim)	8.931	88	6243	0.531	ppbv	90
100] cis-1,3-Dichloropropen...	9.435	75	20955	0.501	ppbv	98
101] 1,1,2-Trichloroethane(...	9.847	97	13639	0.466	ppbv	92
102] Dibromochloromethane(sim)	10.258	129	24527	0.491	ppbv	99
103] 1,2-Dibromoethane(EDB)...	10.403	107	22656	0.487	ppbv	99
104] Tetrachloroethene(sim)	10.652	166	19134	0.487	ppbv	96
106] Bromoform(sim)	11.398	173	22703	0.489	ppbv	100
107] m,p-Xylene(sim)	11.312	91	86576	0.988	ppbv	97
108] 1,1,2,2-Tetrachloroeth...	11.580	83	30410	0.478	ppbv	99
109] Benzyl chloride(sim)	12.670	91	31718	0.478	ppbv	99
110] 1,3-Dichlorobenzene(sim)	12.688	146	33953	0.484	ppbv	99
111] 1,4-Dichlorobenzene(sim)	12.730	146	30607	0.472	ppbv	99

Quantitation Report (RF) (QT Reviewed)

Data Path : H:\AIR2025\CHEM39\09SEP\20\
Data File : 0920_09.D
Acq On : 20 Sep 2025 2:08 pm
Operator :
Client ID : ICAL 0.5
Lab ID : 0.5 ppbv
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Sep 23 14:29:17 2025
Quant Method : H:\AIR2025\CHEM39\Methods\39_AIR_0920.M
Quant Title : VOA Standards for 5 point calibration
QLast Update : Fri Sep 19 08:41:19 2025
Response via : Initial Calibration

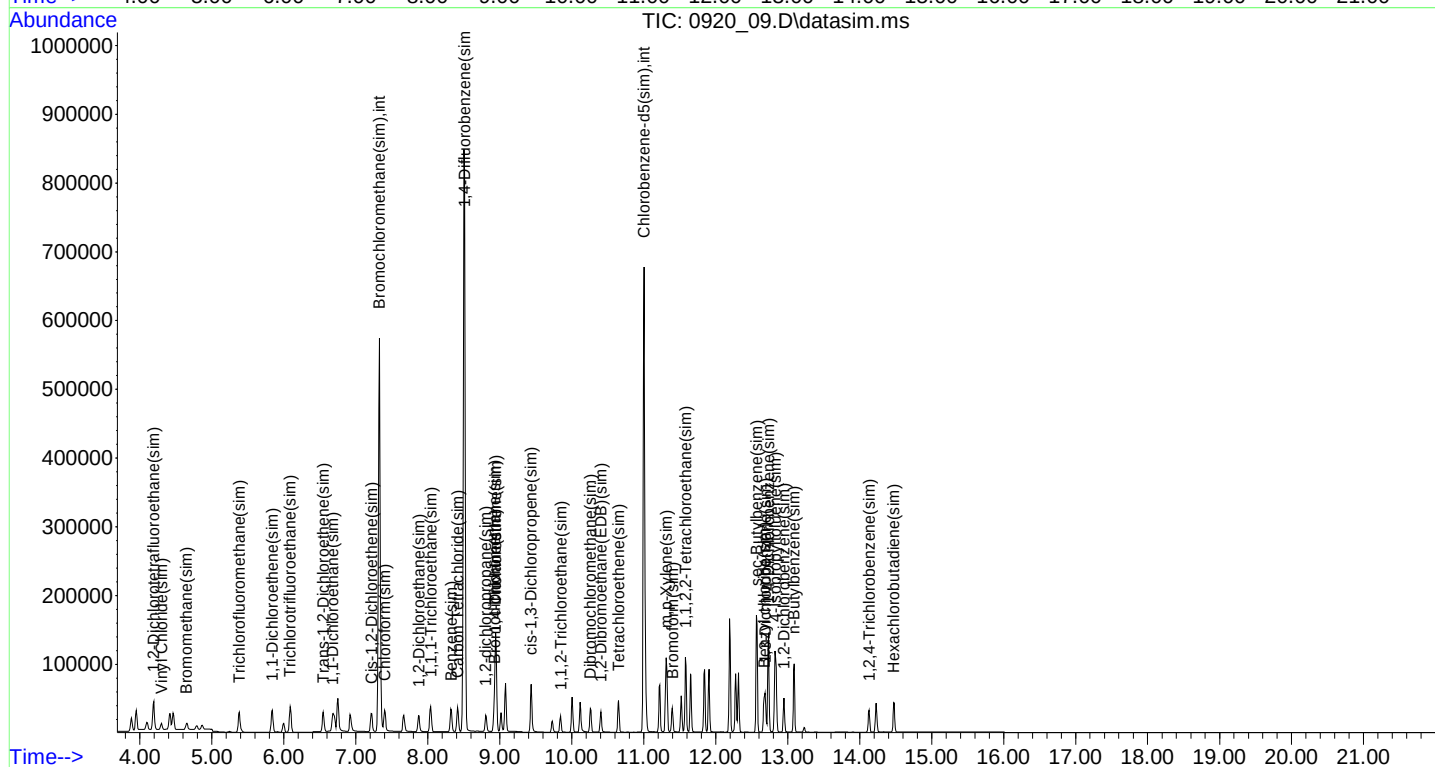
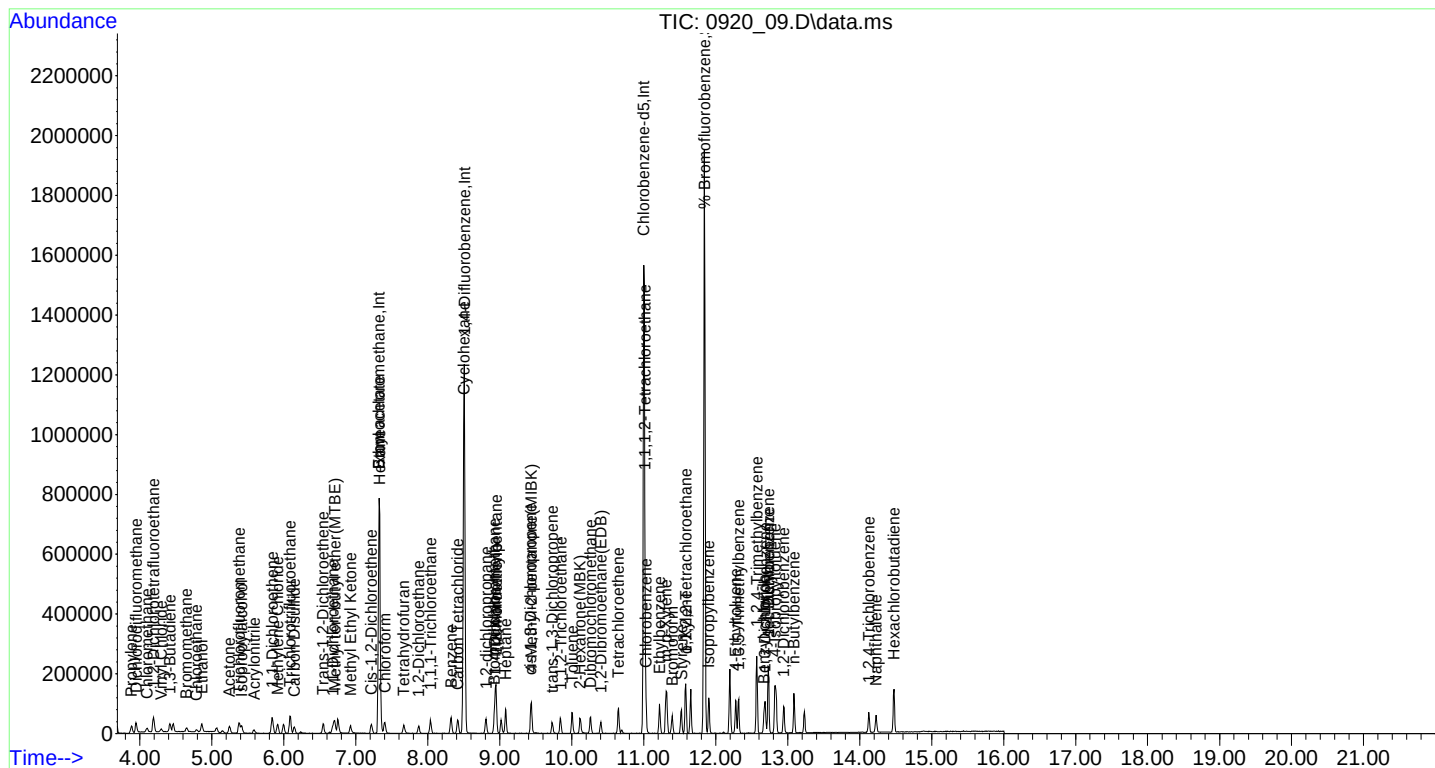
	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
112]	sec-Butylbenzene(sim)	12.566	105	55260	0.486	ppbv	95
113]	4-Isopropyltoluene(sim)	12.822	119	68217	0.487	ppbv	98
114]	1,2-Dichlorobenzene(sim)	12.946	146	31825	0.482	ppbv	100
115]	n-Butylbenzene(sim)	13.087	91	57815	0.501	ppbv	97
116]	1,2,4-Trichlorobenzene...	14.131	180	18885	0.501	ppbv	99
118]	Hexachlorobutadiene(sim)	14.473	225	25119	0.530	ppbv	99

(#)out of range (m>manual integration reviewed by analyst (+)signals summed

Quantitation Report (RF) (QT Reviewed)

Data Path : H:\AIR2025\CHEM39\09SEP\20\
Data File : 0920_09.D
Acq On : 20 Sep 2025 2:08 pm
Operator :
Client ID : ICAL 0.5
Lab ID : 0.5 ppbv
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Sep 23 14:29:17 2025
Quant Method : H:\AIR2025\CHEM39\Methods\39_AIR_0920.M
Quant Title : VOA Standards for 5 point calibration
QLast Update : Fri Sep 19 08:41:19 2025
Response via : Initial Calibration



Quantitation Report (RF) (QT Reviewed)

Data Path : H:\AIR2025\CHEM39\09SEP\20\
 Data File : 0920_10.D
 Acq On : 20 Sep 2025 2:47 pm
 Operator :
 Client ID : ICAL 2.5
 Lab ID : 2.5 ppbv
 ALS Vial : 21 Sample Multiplier: 1

Quant Time: Sep 23 14:29:18 2025
 Quant Method : H:\AIR2025\CHEM39\Methods\39_AIR_0920.M
 Quant Title : VOA Standards for 5 point calibration
 QLast Update : Fri Sep 19 08:41:19 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	7.324	130	198150	10.000	ng	0.00
36) 1,4-Difluorobenzene	8.507	114	763028	10.000	ng	0.00
53) Chlorobenzene-d5	11.001	82	391231	10.000	ng	0.00
80) Bromochloromethane(sim)	7.327	130	187096	10.000	ng	# 0.00
95) 1,4-Difluorobenzene(sim)	8.507	114	763028	10.000	ng	0.00
105) Chlorobenzene-d5(sim)	11.001	82	391231	10.000	ng	0.00

System Monitoring Compounds						
62) % Bromofluorobenzene	11.842	95	533492	11.889	ppbv	0.00
Spiked Amount	10.000	Range 70 - 130	Recovery	= 118.90%		

Target Compounds						Qvalue
2) Propylene	3.883	41	70367	2.446	ppbv	98
3) Dichlorodifluoromethane	3.947	85	125369	2.522	ppbv	98
4) Chloromethane	4.102	50	64577	2.437	ppbv	99
5) 1,2-Dichlorotetrafluor...	4.191	85	114565	2.475	ppbv	96
6) Vinyl Chloride	4.296	62	54677	2.485	ppbv	98
7) 1,3-Butadiene	4.418	54	52619	2.432	ppbv	96
8) Bromomethane	4.653	94	41186	2.485	ppbv#	92
9) Chloroethane	4.791	64	23598	2.510	ppbv	97
11) Ethanol	4.864	45	24840	2.583	ppbv	94
12) Acetone	5.243	43	131232	2.420	ppbv	98
13) Trichlorofluoromethane	5.378	101	143516	2.508	ppbv	100
14) Isopropylalcohol	5.409	45	150607	2.614	ppbv	94
15) Acrylonitrile	5.581	53	49130	2.622	ppbv	98
16) 1,1-Dichloroethene	5.836	61	111094	2.549	ppbv	98
17) Methylene Chloride	5.913	49	97732	2.412	ppbv	99
20) Carbon Disulfide	6.145	76	141132	2.497	ppbv	98
21) Trichlorotrifluoroethane	6.086	101	111609	2.544	ppbv	98
22) Trans-1,2-Dichloroethene	6.545	61	101649	2.485	ppbv	98
23) 1,1-Dichloroethane	6.683	63	116633	2.491	ppbv	97
24) Methyl tert-butyl ethe...	6.699	73	146624	2.555	ppbv	99
25) Methyl Ethyl Ketone	6.918	43	178916	2.493	ppbv	97
26) Cis-1,2-Dichloroethene	7.218	61	97833	2.503	ppbv	97
27) Hexane	7.332	57	121532	2.520	ppbv	99
28) Chloroform	7.405	83	115848	2.539	ppbv	97
29) Ethyl acetate	7.324	61	23825	2.614	ppbv#	94
30) Tetrahydrofuran	7.656	42	96556	2.530	ppbv	99
31) 1,2-Dichloroethane	7.875	62	93017	2.556	ppbv	98
32) 1,1,1-Trichloroethane	8.037	97	121401	2.530	ppbv	98
33) Benzene	8.326	78	164710	2.515	ppbv	95
34) Carbon Tetrachloride	8.412	117	127800	2.492	ppbv	99
35) Cyclohexane	8.490	84	62400	2.465	ppbv	96
37) 1,2-dichloropropane	8.810	63	82148	2.518	ppbv	99
38) Bromodichloromethane	8.923	83	120847	2.535	ppbv	99
39) Trichloroethene	8.940	130	76265	2.532	ppbv	93
40) 2,2,4-trimethylpentane	8.948	57	395848	2.592	ppbv	98
41) 1,4-Dioxane	8.931	88	34728	2.793	ppbv	95
43) Heptane	9.078	43	181850	2.583	ppbv	95
44) cis-1,3-Dichloropropene	9.431	75	100151	2.515	ppbv	96
45) 4-Methyl-2-pentanone(M...	9.431	43	226454	2.670	ppbv	99
46) trans-1,3-Dichloropropene	9.727	75	80894	2.535	ppbv	97
47) 1,1,2-Trichloroethane	9.840	97	70411	2.552	ppbv	91
48) Toluene	10.002	91	207793	2.545	ppbv	98

Quantitation Report (RF) (QT Reviewed)

Data Path : H:\AIR2025\CHEM39\09SEP\20\
 Data File : 0920_10.D
 Acq On : 20 Sep 2025 2:47 pm
 Operator :
 Client ID : ICAL 2.5
 Lab ID : 2.5 ppbv
 ALS Vial : 21 Sample Multiplier: 1

Quant Time: Sep 23 14:29:18 2025
 Quant Method : H:\AIR2025\CHEM39\Methods\39_AIR_0920.M
 Quant Title : VOA Standards for 5 point calibration
 QLast Update : Fri Sep 19 08:41:19 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
49) Dibromochloromethane	10.262	129	133644	2.506	ppbv	99
50) 2-Hexanone(MBK)	10.114	43	204148	2.754	ppbv#	95
51) 1,2-Dibromoethane(EDB)	10.403	107	115922	2.520	ppbv	97
52) Tetrachloroethene	10.649	166	100439	2.501	ppbv	96
54) 1,1,1,2-Tetrachloroethane	11.016	131	90883	2.578	ppbv	96
55) Chlorobenzene	11.031	112	160180	2.604	ppbv	87
56) Ethylbenzene	11.220	91	271365	2.604	ppbv	97
57) m, p-Xylene	11.311	91	429609	5.297	ppbv	97
58) Bromoform	11.395	173	134239	2.605	ppbv	98
59) Styrene	11.524	104	153389	2.612	ppbv	98
60) 1,1,2,2-Tetrachloroethane	11.577	83	154937	2.589	ppbv	96
61) o-Xylene	11.584	91	221094	2.622	ppbv	97
65) Isopropylbenzene	11.903	105	308188	2.641	ppbv	95
66) 4-Ethyltoluene	12.275	105	317122	2.678	ppbv	97
67) 1,3,5-Trimethylbenzene	12.320	105	261060	2.646	ppbv	96
68) 1,2,4-Trimethylbenzene	12.571	105	270896	2.693	ppbv	95
70) Benzyl chloride	12.670	91	192875	2.563	ppbv	98
71) 1,3-Dichlorobenzene	12.685	146	170591	2.624	ppbv	99
72) 1,4-Dichlorobenzene	12.730	146	163887	2.637	ppbv	99
73) sec-Butylbenzene	12.730	105	383110	2.694	ppbv	96
74) 4-Isopropyltoluene	12.822	119	350321	2.684	ppbv	97
75) 1,2-Dichlorobenzene	12.951	146	161012	2.625	ppbv	100
76) n-Butylbenzene	13.087	91	301117	2.679	ppbv	96
77) 1,2,4-Trichlorobenzene	14.128	180	110827	2.614	ppbv	97
78) Naphthalene	14.226	128	229588	2.514	ppbv#	99
79) Hexachlorobutadiene	14.477	225	133710	2.637	ppbv	99
81] 1,2-Dichlorotetrafluor...	4.191	85	114565	2.363	ppbv	96
82] Vinyl Chloride(sim)	4.299	62	57123	2.409	ppbv	100
83] Bromomethane(sim)	4.653	94	41186	2.309	ppbv#	92
84] Trichlorofluoromethane...	5.381	101	142729	2.458	ppbv#	99
85] 1,2-Dichloroethane(sim)	7.875	62	93017	2.482	ppbv	98
86] 1,1,1-Trichloroethane(...	8.040	97	122772	2.477	ppbv#	99
87] Benzene(sim)	8.326	78	164710	2.244	ppbv	95
88] Carbon Tetrachloride(sim)	8.415	117	123410	2.491	ppbv	100
89] 1,1-Dichloroethene(sim)	5.836	61	111094	2.505	ppbv	98
90] Trichlorotrifluoroetha...	6.089	101	108938	2.452	ppbv#	98
91] Trans-1,2-Dichloroethe...	6.545	61	101649	2.548	ppbv	98
92] 1,1-Dichloroethane(sim)	6.678	63	122924	2.446	ppbv	98
93] Cis-1,2-Dichloroethene...	7.218	61	97833	2.488	ppbv	97
94] Chloroform(sim)	7.400	83	114557	2.332	ppbv	99
96] 1,2-dichloropropane(sim)	8.804	63	86406	2.433	ppbv	96
97] Bromodichloromethane(sim)	8.923	83	120847	2.456	ppbv	99
98] Trichloroethene(sim)	8.943	130	74363	2.446	ppbv	95
99] 1,4-Dioxane(sim)	8.931	88	34728	2.952	ppbv	95
100] cis-1,3-Dichloropropen...	9.434	75	105471	2.523	ppbv	99
101] 1,1,2-Trichloroethane(...	9.840	97	70411	2.403	ppbv	91
102] Dibromochloromethane(sim)	10.258	129	126183	2.526	ppbv	99
103] 1,2-Dibromoethane(EDB)...	10.403	107	115922	2.493	ppbv	97
104] Tetrachloroethene(sim)	10.652	166	94654	2.407	ppbv	96
106] Bromoform(sim)	11.398	173	120856	2.580	ppbv	99
107] m, p-Xylene(sim)	11.311	91	429609	4.857	ppbv	96
108] 1,1,2,2-Tetrachloroeth...	11.580	83	155136	2.414	ppbv	99
109] Benzyl chloride(sim)	12.670	91	192875	2.876	ppbv	98
110] 1,3-Dichlorobenzene(sim)	12.688	146	180658	2.552	ppbv	99
111] 1,4-Dichlorobenzene(sim)	12.730	146	163887	2.502	ppbv	99

Data Path : H:\AIR2025\CHEM39\09SEP\20\
Data File : 0920_10.D
Acq On : 20 Sep 2025 2:47 pm
Operator :
Client ID : ICAL 2.5
Lab ID : 2.5 ppbv
ALS Vial : 21 Sample Multiplier: 1

Quant Time: Sep 23 14:29:18 2025
Quant Method : H:\AIR2025\CHEM39\Methods\39_AIR_0920.M
Quant Title : VOA Standards for 5 point calibration
QLast Update : Fri Sep 19 08:41:19 2025
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
112]	sec-Butylbenzene(sim)	12.566	105	283217	2.467	ppbv	95
113]	4-Isopropyltoluene(sim)	12.822	119	350321	2.476	ppbv	97
114]	1,2-Dichlorobenzene(sim)	12.946	146	165725	2.484	ppbv	100
115]	n-Butylbenzene(sim)	13.087	91	301117	2.583	ppbv	96
116]	1,2,4-Trichlorobenzene...	14.131	180	112180	1.887	ppbv	98
118]	Hexachlorobutadiene(sim)	14.480	225	125893	2.629	ppbv	99

(#)out of range (m>manual integration reviewed by analyst (+)signals summed

Quantitation Report (RF) (QT Reviewed)

Data Path : H:\AIR2025\CHEM39\09SEP\20\
 Data File : 0920_11.D
 Acq On : 20 Sep 2025 3:24 pm
 Operator :
 Client ID : ICAL 5
 Lab ID : 5.0 ppbv
 ALS Vial : 22 Sample Multiplier: 1

Quant Time: Sep 23 14:29:19 2025
 Quant Method : H:\AIR2025\CHEM39\Methods\39_AIR_0920.M
 Quant Title : VOA Standards for 5 point calibration
 QLast Update : Fri Sep 19 08:41:19 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	7.332	130	201452	10.000	ng	0.02
36) 1,4-Difluorobenzene	8.507	114	768320	10.000	ng	0.00
53) Chlorobenzene-d5	11.001	82	396706	10.000	ng	0.00
80) Bromochloromethane(sim)	7.327	130	186740	10.000	ng	# 0.00
95) 1,4-Difluorobenzene(sim)	8.507	114	768320	10.000	ng	0.00
105) Chlorobenzene-d5(sim)	11.001	82	396706	10.000	ng	0.00
System Monitoring Compounds						
62) % Bromofluorobenzene	11.842	95	529899	11.645	ppbv	0.00
Spiked Amount	10.000	Range	70 - 130	Recovery	=	116.50%
Target Compounds						
					Qvalue	
2) Propylene	3.883	41	132711	4.537	ppbv	98
3) Dichlorodifluoromethane	3.956	85	248378	4.914	ppbv	98
4) Chloromethane	4.102	50	129225	4.798	ppbv	98
5) 1,2-Dichlorotetrafluor...	4.191	85	231579	4.920	ppbv	97
6) Vinyl Chloride	4.304	62	110295	4.931	ppbv	99
7) 1,3-Butadiene	4.418	54	106140	4.825	ppbv	99
8) Bromomethane	4.653	94	81025	4.809	ppbv#	93
9) Chloroethane	4.791	64	46234	4.837	ppbv	99
11) Ethanol	4.872	45	39897	4.081	ppbv#	94
12) Acetone	5.243	43	248975	4.516	ppbv	99
13) Trichlorofluoromethane	5.384	101	284900	4.897	ppbv	99
14) Isopropylalcohol	5.409	45	269808	4.606	ppbv	94
15) Acrylonitrile	5.581	53	93772	4.922	ppbv	98
16) 1,1-Dichloroethene	5.836	61	219932	4.964	ppbv	97
17) Methylene Chloride	5.919	49	196825	4.778	ppbv	98
20) Carbon Disulfide	6.152	76	281604	4.902	ppbv	99
21) Trichlorotrifluoroethane	6.092	101	220681	4.947	ppbv	98
22) Trans-1,2-Dichloroethene	6.545	61	206028	4.955	ppbv	99
23) 1,1-Dichloroethane	6.683	63	235387	4.946	ppbv	98
24) Methyl tert-butyl ethe...	6.699	73	282862	4.849	ppbv	99
25) Methyl Ethyl Ketone	6.918	43	346898	4.754	ppbv	97
26) Cis-1,2-Dichloroethene	7.218	61	200684	5.050	ppbv	97
27) Hexane	7.340	57	238959	4.874	ppbv	100
28) Chloroform	7.405	83	227824	4.911	ppbv	98
29) Ethyl acetate	7.324	61	47195	5.094	ppbv	96
30) Tetrahydrofuran	7.656	42	186098	4.796	ppbv	99
31) 1,2-Dichloroethane	7.875	62	184364	4.984	ppbv	96
32) 1,1,1-Trichloroethane	8.038	97	240805	4.935	ppbv	99
33) Benzene	8.326	78	327675	4.922	ppbv	96
34) Carbon Tetrachloride	8.421	117	258270	4.954	ppbv	99
35) Cyclohexane	8.499	84	126514	4.916	ppbv	94
37) 1,2-dichloropropane	8.810	63	163486	4.977	ppbv	98
38) Bromodichloromethane	8.923	83	244007	5.083	ppbv	99
39) Trichloroethene	8.949	130	153784	5.071	ppbv	92
40) 2,2,4-trimethylpentane	8.949	57	780188	5.074	ppbv	97
41) 1,4-Dioxane	8.931	88	51686	4.128	ppbv	89
43) Heptane	9.087	43	353636	4.989	ppbv	97
44) cis-1,3-Dichloropropene	9.432	75	202043	5.038	ppbv	97
45) 4-Methyl-2-pentanone(M...	9.432	43	383018	4.485	ppbv	99
46) trans-1,3-Dichloropropene	9.727	75	161670	5.032	ppbv	96
47) 1,1,2-Trichloroethane	9.840	97	138110	4.971	ppbv	93
48) Toluene	10.009	91	410438	4.992	ppbv	97

Quantitation Report (RF) (QT Reviewed)

Data Path : H:\AIR2025\CHEM39\09SEP\20\
 Data File : 0920_11.D
 Acq On : 20 Sep 2025 3:24 pm
 Operator :
 Client ID : ICAL 5
 Lab ID : 5.0 ppbv
 ALS Vial : 22 Sample Multiplier: 1

Quant Time: Sep 23 14:29:19 2025
 Quant Method : H:\AIR2025\CHEM39\Methods\39_AIR_0920.M
 Quant Title : VOA Standards for 5 point calibration
 QLast Update : Fri Sep 19 08:41:19 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
49) Dibromochloromethane	10.262	129	271943	5.064	ppbv	99
50) 2-Hexanone(MBK)	10.114	43	325495	4.360	ppbv#	96
51) 1,2-Dibromoethane(EDB)	10.403	107	230342	4.972	ppbv	97
52) Tetrachloroethene	10.649	166	201789	4.990	ppbv	98
54) 1,1,1,2-Tetrachloroethane	11.016	131	185340	5.184	ppbv	97
55) Chlorobenzene	11.031	112	318070	5.099	ppbv	85
56) Ethylbenzene	11.221	91	531222	5.028	ppbv	96
57) m, p-Xylene	11.312	91	845838	10.285	ppbv	97
58) Bromoform	11.395	173	260364	4.983	ppbv	98
59) Styrene	11.524	104	303082	5.090	ppbv	98
60) 1,1,2,2-Tetrachloroethane	11.585	83	304935	5.025	ppbv	94
61) o-Xylene	11.585	91	431285	5.043	ppbv	96
65) Isopropylbenzene	11.903	105	601674	5.085	ppbv	97
66) 4-Ethyltoluene	12.275	105	622223	5.183	ppbv	97
67) 1,3,5-Trimethylbenzene	12.320	105	513848	5.136	ppbv	96
68) 1,2,4-Trimethylbenzene	12.571	105	525161	5.149	ppbv	95
70) Benzyl chloride	12.670	91	395133	5.179	ppbv	97
71) 1,3-Dichlorobenzene	12.685	146	339892	5.155	ppbv	98
72) 1,4-Dichlorobenzene	12.730	146	323839	5.138	ppbv	99
73) sec-Butylbenzene	12.738	105	754173	5.229	ppbv	96
74) 4-Isopropyltoluene	12.822	119	680815	5.143	ppbv	97
75) 1,2-Dichlorobenzene	12.951	146	316631	5.090	ppbv	99
76) n-Butylbenzene	13.087	91	592204	5.196	ppbv	95
77) 1,2,4-Trichlorobenzene	14.128	180	213065	4.956	ppbv	97
78) Naphthalene	14.227	128	421213	4.548	ppbv#	99
79) Hexachlorobutadiene	14.477	225	248618	4.836	ppbv	99
81] 1,2-Dichlorotetrafluor...	4.191	85	231579	4.786	ppbv	97
82] Vinyl Chloride(sim)	4.299	62	114135	4.822	ppbv	100
83] Bromomethane(sim)	4.653	94	81025	4.552	ppbv#	93
84] Trichlorofluoromethane...	5.381	101	283947	4.899	ppbv#	100
85] 1,2-Dichloroethane(sim)	7.875	62	184364	4.929	ppbv	96
86] 1,1,1-Trichloroethane(...	8.040	97	245506	4.962	ppbv#	99
87] Benzene(sim)	8.326	78	327675	4.473	ppbv	96
88] Carbon Tetrachloride(sim)	8.415	117	247590	5.007	ppbv	100
89] 1,1-Dichloroethene(sim)	5.836	61	219932	4.969	ppbv	96
90] Trichlorotrifluoroetha...	6.095	101	216354	4.880	ppbv#	98
91] Trans-1,2-Dichloroethe...	6.545	61	206028	5.174	ppbv	99
92] 1,1-Dichloroethane(sim)	6.678	63	244241	4.869	ppbv	98
93] Cis-1,2-Dichloroethene...	7.218	61	200684	5.113	ppbv	97
94] Chloroform(sim)	7.408	83	227872	4.647	ppbv	99
96] 1,2-dichloropropane(sim)	8.804	63	171621	4.799	ppbv	96
97] Bromodichloromethane(sim)	8.923	83	244007	4.925	ppbv	99
98] Trichloroethene(sim)	8.943	130	147503	4.817	ppbv	96
99] 1,4-Dioxane(sim)	8.931	88	51686	4.363	ppbv	89
100] cis-1,3-Dichloropropen...	9.434	75	211027	5.013	ppbv	99
101] 1,1,2-Trichloroethane(...	9.840	97	138110	4.682	ppbv	93
102] Dibromochloromethane(sim)	10.258	129	253214	5.035	ppbv	99
103] 1,2-Dibromoethane(EDB)...	10.403	107	230342	4.920	ppbv	97
104] Tetrachloroethene(sim)	10.652	166	188000	4.748	ppbv	96
106] Bromoform(sim)	11.398	173	235807	4.965	ppbv	100
107] m, p-Xylene(sim)	11.312	91	848529	9.461	ppbv	97
108] 1,1,2,2-Tetrachloroeth...	11.580	83	303581	4.659	ppbv	99
109] Benzyl chloride(sim)	12.670	91	395133	5.810	ppbv	97
110] 1,3-Dichlorobenzene(sim)	12.688	146	355649	4.955	ppbv	100
111] 1,4-Dichlorobenzene(sim)	12.730	146	323839	4.876	ppbv	99

Quantitation Report (RF) (QT Reviewed)

Data Path : H:\AIR2025\CHEM39\09SEP\20\
Data File : 0920_11.D
Acq On : 20 Sep 2025 3:24 pm
Operator :
Client ID : ICAL 5
Lab ID : 5.0 ppbv
ALS Vial : 22 Sample Multiplier: 1

Quant Time: Sep 23 14:29:19 2025
Quant Method : H:\AIR2025\CHEM39\Methods\39_AIR_0920.M
Quant Title : VOA Standards for 5 point calibration
QLast Update : Fri Sep 19 08:41:19 2025
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
112]	sec-Butylbenzene(sim)	12.566	105	551326	4.736	ppbv	95
113]	4-Isopropyltoluene(sim)	12.822	119	680815	4.745	ppbv	97
114]	1,2-Dichlorobenzene(sim)	12.946	146	322292	4.765	ppbv	99
115]	n-Butylbenzene(sim)	13.087	91	592204	5.010	ppbv	95
116]	1,2,4-Trichlorobenzene...	14.131	180	215165	2.854	ppbv	98
118]	Hexachlorobutadiene(sim)	14.480	225	234196	4.823	ppbv	99

(#)out of range (m)manual integration reviewed by analyst (+)signals summed

Quantitation Report (RF) (QT Reviewed)

Data Path : H:\AIR2025\CHEM39\09SEP\20\
 Data File : 0920_12.D
 Acq On : 20 Sep 2025 4:03 pm
 Operator :
 Client ID : ICAL 25
 Lab ID : 25 ppbv
 ALS Vial : 23 Sample Multiplier: 1

Quant Time: Sep 23 14:29:20 2025
 Quant Method : H:\AIR2025\CHEM39\Methods\39_AIR_0920.M
 Quant Title : VOA Standards for 5 point calibration
 QLast Update : Fri Sep 19 08:41:19 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	7.324	130	194841	10.000	ng	0.00
36) 1,4-Difluorobenzene	8.507	114	754479	10.000	ng	0.00
53) Chlorobenzene-d5	11.001	82	425696	10.000	ng	0.00
80) Bromochloromethane(sim)	7.327	130	182764	10.000	ng	# 0.00
95) 1,4-Difluorobenzene(sim)	8.507	114	754479	10.000	ng	0.00
105) Chlorobenzene-d5(sim)	11.001	82	425696	10.000	ng	0.00

System Monitoring Compounds

62) % Bromofluorobenzene	11.842	95	520388	10.658	ppbv	0.00
Spiked Amount	10.000	Range	70 - 130	Recovery	= 106.60%	

Target Compounds

						Qvalue
2) Propylene	3.882	41	645611	22.821	ppbv	99
3) Dichlorodifluoromethane	3.947	85	1208069	24.712	ppbv	97
4) Chloromethane	4.101	50	631310	24.233	ppbv	99
5) 1,2-Dichlorotetrafluor...	4.191	85	1121803	24.642	ppbv	97
6) Vinyl Chloride	4.296	62	537429	24.841	ppbv	99
7) 1,3-Butadiene	4.418	54	514415	24.179	ppbv	97
8) Bromomethane	4.653	94	393754	24.161	ppbv#	92
9) Chloroethane	4.791	64	225861	24.433	ppbv	98
11) Ethanol	4.864	45	189287	20.019	ppbv#	94
12) Acetone	5.237	43	1206158	22.620	ppbv	99
13) Trichlorofluoromethane	5.378	101	1386746	24.644	ppbv	99
14) Isopropylalcohol	5.403	45	1319740	23.296	ppbv	94
15) Acrylonitrile	5.574	53	476167	25.841	ppbv	98
16) 1,1-Dichloroethene	5.836	61	1064458	24.843	ppbv	97
17) Methylene Chloride	5.913	49	948299	23.801	ppbv	99
20) Carbon Disulfide	6.145	76	1392550	25.061	ppbv	99
21) Trichlorotrifluoroethane	6.086	101	1058917	24.544	ppbv	98
22) Trans-1,2-Dichloroethene	6.545	61	1002990	24.938	ppbv	98
23) 1,1-Dichloroethane	6.675	63	1136302	24.685	ppbv	97
24) Methyl tert-butyl ethe...	6.699	73	1389772	24.632	ppbv	98
25) Methyl Ethyl Ketone	6.910	43	1704573	24.153	ppbv	99
26) Cis-1,2-Dichloroethene	7.218	61	970768	25.257	ppbv	97
27) Hexane	7.332	57	1153522	24.326	ppbv	99
28) Chloroform	7.405	83	1105331	24.637	ppbv	98
29) Ethyl acetate	7.316	61	238355	26.600	ppbv	96
30) Tetrahydrofuran	7.648	42	904340	24.099	ppbv	99
31) 1,2-Dichloroethane	7.875	62	902800	25.232	ppbv	97
32) 1,1,1-Trichloroethane	8.037	97	1189641	25.209	ppbv	99
33) Benzene	8.326	78	1580660	24.549	ppbv	96
34) Carbon Tetrachloride	8.412	117	1286591	25.514	ppbv	99
35) Cyclohexane	8.490	84	606325	24.361	ppbv	93
37) 1,2-dichloropropane	8.810	63	798687	24.759	ppbv	96
38) Bromodichloromethane	8.922	83	1201788	25.492	ppbv	99
39) Trichloroethene	8.940	130	726717	24.403	ppbv	94
40) 2,2,4-trimethylpentane	8.948	57	3572121	23.659	ppbv	98
41) 1,4-Dioxane	8.922	88	264084	21.476	ppbv	90
43) Heptane	9.078	43	1667486	23.954	ppbv	98
44) cis-1,3-Dichloropropene	9.431	75	1001817	25.438	ppbv	95
45) 4-Methyl-2-pentanone(M...	9.431	43	1923408	22.935	ppbv	97
46) trans-1,3-Dichloropropene	9.727	75	814411	25.815	ppbv	97
47) 1,1,2-Trichloroethane	9.840	97	680879	24.957	ppbv	93
48) Toluene	10.002	91	1972450	24.429	ppbv	96

Quantitation Report (RF) (QT Reviewed)

Data Path : H:\AIR2025\CHEM39\09SEP\20\
 Data File : 0920_12.D
 Acq On : 20 Sep 2025 4:03 pm
 Operator :
 Client ID : ICAL 25
 Lab ID : 25 ppbv
 ALS Vial : 23 Sample Multiplier: 1

Quant Time: Sep 23 14:29:20 2025
 Quant Method : H:\AIR2025\CHEM39\Methods\39_AIR_0920.M
 Quant Title : VOA Standards for 5 point calibration
 QLast Update : Fri Sep 19 08:41:19 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
49) Dibromochloromethane	10.262	129	1366324	25.908	ppbv	99
50) 2-Hexanone(MBK)	10.107	43	1749991	23.872	ppbv#	93
51) 1,2-Dibromoethane(EDB)	10.403	107	1129122	24.820	ppbv	97
52) Tetrachloroethene	10.649	166	967861	24.371	ppbv	97
54) 1,1,1,2-Tetrachloroethane	11.016	131	905770	23.611	ppbv	98
55) Chlorobenzene	11.031	112	1534409	22.922	ppbv	85
56) Ethylbenzene	11.220	91	2521104	22.238	ppbv	95
57) m, p-Xylene	11.319	91	3939330	44.639	ppbv	96
58) Bromoform	11.395	173	1353303	24.134	ppbv	99
59) Styrene	11.524	104	1479393	23.153	ppbv	98
60) 1,1,2,2-Tetrachloroethane	11.584	83	1442346	22.149	ppbv	94
61) o-Xylene	11.584	91	2039964	22.230	ppbv	96
65) Isopropylbenzene	11.903	105	2819564	22.207	ppbv	96
66) 4-Ethyltoluene	12.275	105	2869265	22.272	ppbv	96
67) 1,3,5-Trimethylbenzene	12.320	105	2428930	22.625	ppbv	95
68) 1,2,4-Trimethylbenzene	12.571	105	2421978	22.129	ppbv	95
70) Benzyl chloride	12.670	91	2040175	24.917	ppbv	97
71) 1,3-Dichlorobenzene	12.692	146	1612053	22.787	ppbv	98
72) 1,4-Dichlorobenzene	12.730	146	1527393	22.584	ppbv	98
73) sec-Butylbenzene	12.738	105	3371615	21.786	ppbv	96
74) 4-Isopropyltoluene	12.821	119	3174320	22.348	ppbv	98
75) 1,2-Dichlorobenzene	12.951	146	1513863	22.679	ppbv	99
76) n-Butylbenzene	13.087	91	2869843	23.467	ppbv	93
77) 1,2,4-Trichlorobenzene	14.128	180	1251245	27.123	ppbv	97
78) Naphthalene	14.226	128	2584508	26.005	ppbv#	98
79) Hexachlorobutadiene	14.477	225	1261069	22.861	ppbv	99
81] 1,2-Dichlorotetrafluor...	4.191	85	1121913	23.688	ppbv	97
82] Vinyl Chloride(sim)	4.299	62	556306	24.015	ppbv	100
83] Bromomethane(sim)	4.653	94	393754	22.601	ppbv#	92
84] Trichlorofluoromethane...	5.381	101	1370557	24.159	ppbv#	99
85] 1,2-Dichloroethane(sim)	7.875	62	902800	24.661	ppbv	97
86] 1,1,1-Trichloroethane(...	8.040	97	1193428	24.645	ppbv#	99
87] Benzene(sim)	8.326	78	1580653	22.045	ppbv	96
88] Carbon Tetrachloride(sim)	8.415	117	1226894	25.353	ppbv	99
89] 1,1-Dichloroethene(sim)	5.836	61	1064458	24.571	ppbv	97
90] Trichlorotrifluoroetha...	6.089	101	1045486	24.093	ppbv#	98
91] Trans-1,2-Dichloroethe...	6.545	61	1002990	25.738	ppbv	98
92] 1,1-Dichloroethane(sim)	6.678	63	1175068	23.937	ppbv	98
93] Cis-1,2-Dichloroethene...	7.218	61	970768	25.269	ppbv	97
94] Chloroform(sim)	7.400	83	1098918	22.900	ppbv	98
96] 1,2-dichloropropane(sim)	8.804	63	828675	23.599	ppbv	96
97] Bromodichloromethane(sim)	8.922	83	1201788	24.704	ppbv	99
98] Trichloroethene(sim)	8.943	130	695621	23.136	ppbv	96
99] 1,4-Dioxane(sim)	8.922	88	264084	22.700	ppbv	90
100] cis-1,3-Dichloropropen...	9.434	75	1035633	25.053	ppbv	99
101] 1,1,2-Trichloroethane(...	9.840	97	680879	23.503	ppbv	93
102] Dibromochloromethane(sim)	10.258	129	1270786	25.732	ppbv	99
103] 1,2-Dibromoethane(EDB)...	10.403	107	1129122	24.558	ppbv	97
104] Tetrachloroethene(sim)	10.652	166	895467	23.030	ppbv	95
106] Bromoform(sim)	11.398	173	1213103	23.802	ppbv	100
107] m, p-Xylene(sim)	11.319	91	3943861	40.980	ppbv	96
108] 1,1,2,2-Tetrachloroeth...	11.580	83	1434017	20.508	ppbv	100
109] Benzyl chloride(sim)	12.670	91	2040175	27.955	ppbv	97
110] 1,3-Dichlorobenzene(sim)	12.688	146	1667796	21.652	ppbv	98
111] 1,4-Dichlorobenzene(sim)	12.730	146	1528521	21.448	ppbv	98

Quantitation Report (RF) (QT Reviewed)

Data Path : H:\AIR2025\CHEM39\09SEP\20\
Data File : 0920_12.D
Acq On : 20 Sep 2025 4:03 pm
Operator :
Client ID : ICAL 25
Lab ID : 25 ppbv
ALS Vial : 23 Sample Multiplier: 1

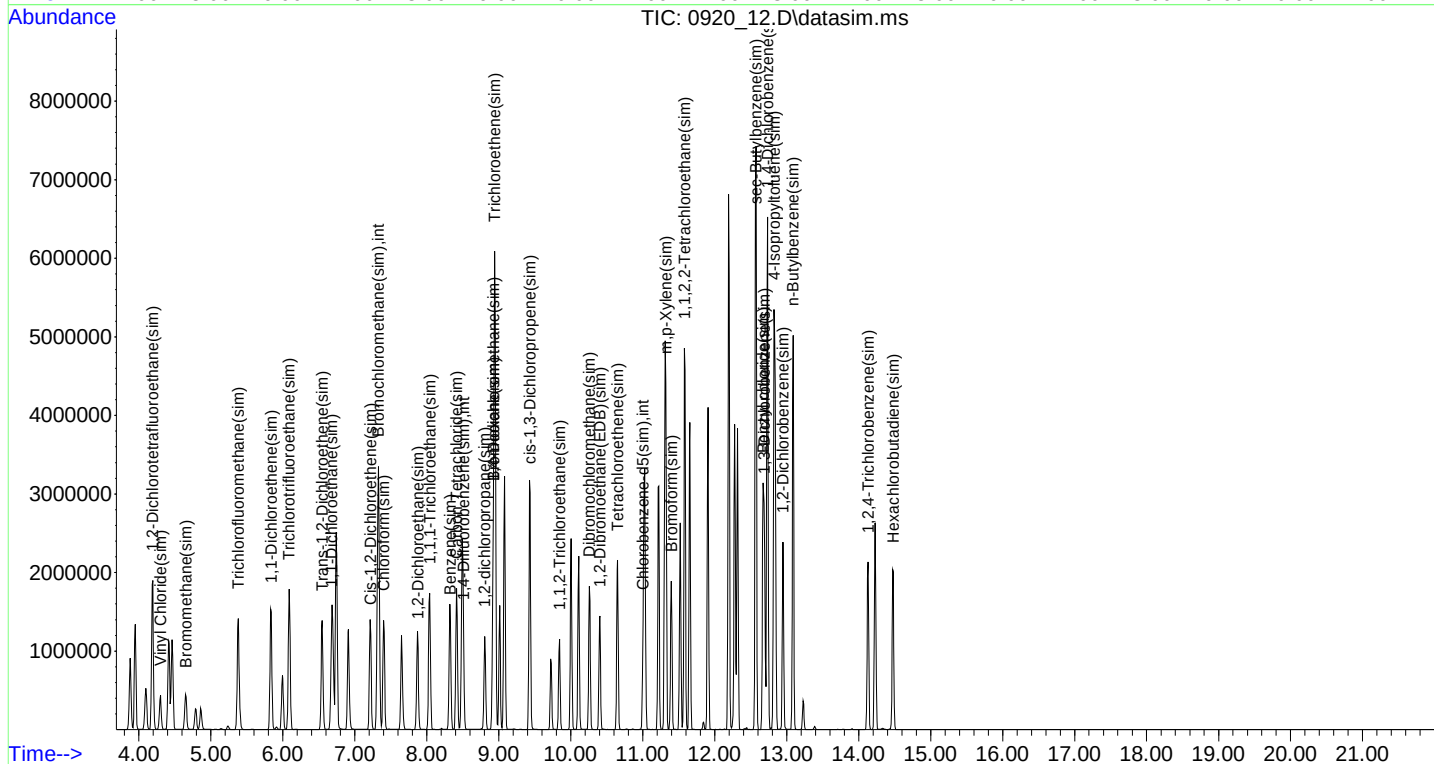
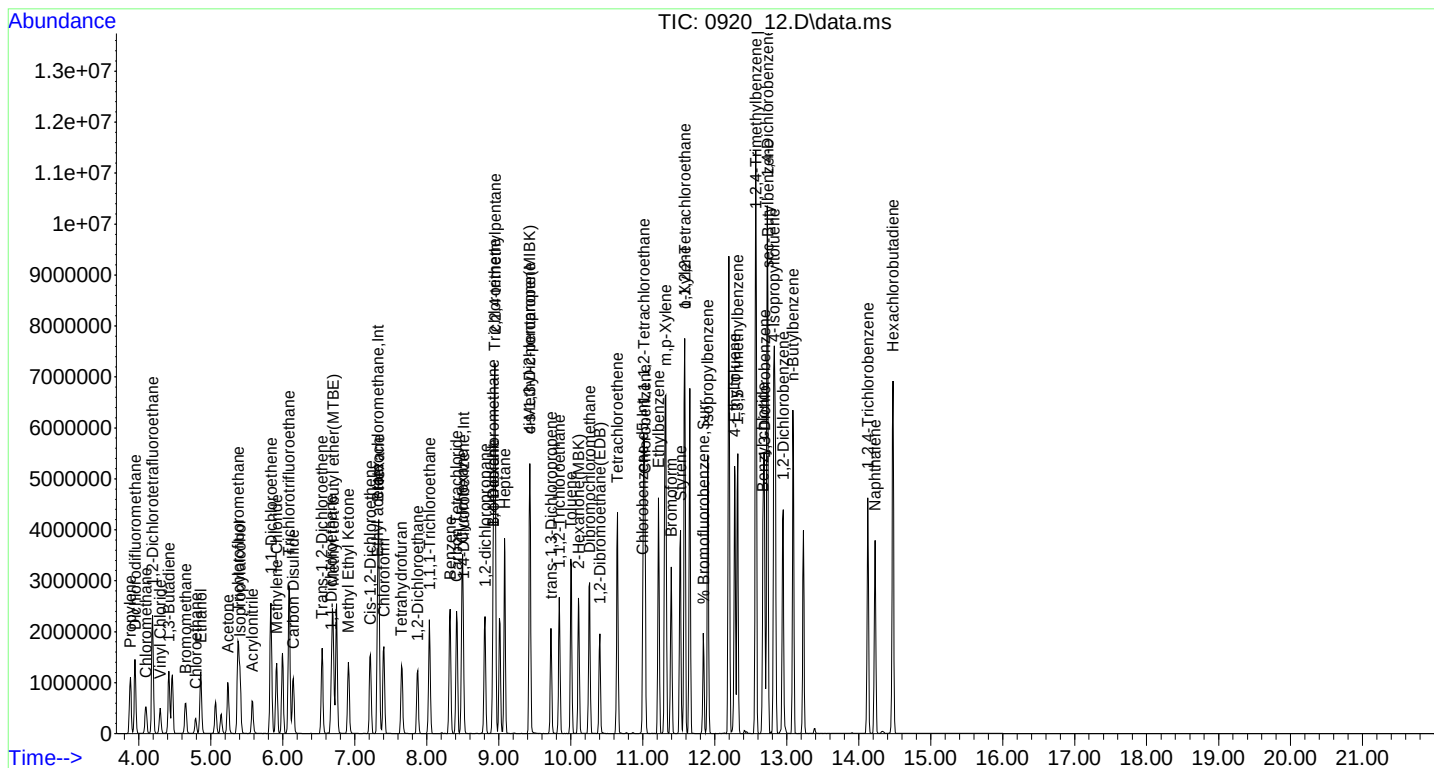
Quant Time: Sep 23 14:29:20 2025
Quant Method : H:\AIR2025\CHEM39\Methods\39_AIR_0920.M
Quant Title : VOA Standards for 5 point calibration
QLast Update : Fri Sep 19 08:41:19 2025
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
112]	sec-Butylbenzene(sim)	12.574	105	2491652	19.946	ppbv	97
113]	4-Isopropyltoluene(sim)	12.821	119	3174320	20.615	ppbv	98
114]	1,2-Dichlorobenzene(sim)	12.946	146	1536341	21.167	ppbv	98
115]	n-Butylbenzene(sim)	13.087	91	2869843	22.624	ppbv	94
116]	1,2,4-Trichlorobenzene...	14.131	180	1250168	7.703	ppbv	98
118]	Hexachlorobutadiene(sim)	14.480	225	1185407	22.749	ppbv	99

(#)out of range (m>manual integration reviewed by analyst (+)signals summed

Data Path : H:\AIR2025\CHEM39\09SEP\20\
Data File : 0920_12.D
Acq On : 20 Sep 2025 4:03 pm
Operator :
Client ID : ICAL 25
Lab ID : 25 ppbv
ALS Vial : 23 Sample Multiplier: 1

Quant Time: Sep 23 14:29:20 2025
Quant Method : H:\AIR2025\CHEM39\Methods\39_AIR_0920.M
Quant Title : VOA Standards for 5 point calibration
QLast Update : Fri Sep 19 08:41:19 2025
Response via : Initial Calibration



Quantitation Report (RF) (QT Reviewed)

Data Path : H:\AIR2025\CHEM39\09SEP\20\
 Data File : 0920_13.D
 Acq On : 20 Sep 2025 4:44 pm
 Operator :
 Client ID : ICAL 40
 Lab ID : 40 ppbv
 ALS Vial : 24 Sample Multiplier: 1

Quant Time: Sep 23 14:29:21 2025
 Quant Method : H:\AIR2025\CHEM39\Methods\39_AIR_0920.M
 Quant Title : VOA Standards for 5 point calibration
 QLast Update : Fri Sep 19 08:41:19 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	7.332	130	187568	10.000	ng	0.02
36) 1,4-Difluorobenzene	8.507	114	734837	10.000	ng	0.00
53) Chlorobenzene-d5	11.008	82	437997	10.000	ng	0.00
80) Bromochloromethane(sim)	7.327	130	177820	10.000	ng	# 0.00
95) 1,4-Difluorobenzene(sim)	8.507	114	734837	10.000	ng	0.00
105) Chlorobenzene-d5(sim)	11.008	82	437997	10.000	ng	0.00
System Monitoring Compounds						
62) % Bromofluorobenzene	11.842	95	509244	10.136	ppbv	0.00
Spiked Amount	10.000	Range	70 - 130	Recovery	=	101.40%
Target Compounds						
					Qvalue	
2) Propylene	3.891	41	1003581	36.849	ppbv	98
3) Dichlorodifluoromethane	3.956	85	1853986	39.395	ppbv	97
4) Chloromethane	4.102	50	977075	38.959	ppbv	98
5) 1,2-Dichlorotetrafluor...	4.191	85	1738872	39.678	ppbv	96
6) Vinyl Chloride	4.304	62	839937	40.329	ppbv	100
7) 1,3-Butadiene	4.426	54	799243	39.023	ppbv	97
8) Bromomethane	4.653	94	621495	39.613	ppbv#	92
9) Chloroethane	4.791	64	352167	39.574	ppbv	99
11) Ethanol	4.864	45	288220	31.664	ppbv#	94
12) Acetone	5.243	43	1866893	36.369	ppbv	100
13) Trichlorofluoromethane	5.384	101	2152852	39.742	ppbv	99
14) Isopropylalcohol	5.409	45	2041506	37.435	ppbv	94
15) Acrylonitrile	5.581	53	746291	42.070	ppbv	98
16) 1,1-Dichloroethene	5.842	61	1650979	40.025	ppbv	96
17) Methylene Chloride	5.919	49	1483089	38.667	ppbv	99
20) Carbon Disulfide	6.146	76	2167376	40.517	ppbv	99
21) Trichlorotrifluoroethane	6.092	101	1646599	39.645	ppbv	98
22) Trans-1,2-Dichloroethene	6.545	61	1565677	40.438	ppbv	98
23) 1,1-Dichloroethane	6.683	63	1752440	39.546	ppbv	98
24) Methyl tert-butyl ethe...	6.699	73	2161383	39.793	ppbv	98
25) Methyl Ethyl Ketone	6.910	43	2686187	39.539	ppbv	99
26) Cis-1,2-Dichloroethene	7.218	61	1509687	40.802	ppbv	97
27) Hexane	7.340	57	1779425	38.980	ppbv	98
28) Chloroform	7.405	83	1717998	39.777	ppbv	99
29) Ethyl acetate	7.324	61	370252	42.921	ppbv	96
30) Tetrahydrofuran	7.656	42	1428363	39.539	ppbv	99
31) 1,2-Dichloroethane	7.875	62	1407772	40.871	ppbv	97
32) 1,1,1-Trichloroethane	8.038	97	1850108	40.725	ppbv	98
33) Benzene	8.326	78	2435843	39.298	ppbv	97
34) Carbon Tetrachloride	8.421	117	1997727	41.152	ppbv	99
35) Cyclohexane	8.499	84	942279	39.327	ppbv	93
37) 1,2-dichloropropane	8.810	63	1242251	39.539	ppbv	96
38) Bromodichloromethane	8.923	83	1848907	40.267	ppbv	98
39) Trichloroethene	8.949	130	1103999	38.063	ppbv	94
40) 2,2,4-trimethylpentane	8.949	57	5178212	35.213	ppbv	100
41) 1,4-Dioxane	8.923	88	400127	33.410	ppbv	90
43) Heptane	9.087	43	2530208	37.319	ppbv	99
44) cis-1,3-Dichloropropene	9.432	75	1550366	40.419	ppbv	95
45) 4-Methyl-2-pentanone(M...	9.432	43	2905005	35.566	ppbv	96
46) trans-1,3-Dichloropropene	9.727	75	1276925	41.558	ppbv	97
47) 1,1,2-Trichloroethane	9.840	97	1049424	39.494	ppbv	93
48) Toluene	10.009	91	2993329	38.064	ppbv	95

Quantitation Report (RF) (QT Reviewed)

Data Path : H:\AIR2025\CHEM39\09SEP\20\
 Data File : 0920_13.D
 Acq On : 20 Sep 2025 4:44 pm
 Operator :
 Client ID : ICAL 40
 Lab ID : 40 ppbv
 ALS Vial : 24 Sample Multiplier: 1

Quant Time: Sep 23 14:29:21 2025
 Quant Method : H:\AIR2025\CHEM39\Methods\39_AIR_0920.M
 Quant Title : VOA Standards for 5 point calibration
 QLast Update : Fri Sep 19 08:41:19 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
49) Dibromochloromethane	10.262	129	2107994	41.040	ppbv	99
50) 2-Hexanone(MBK)	10.114	43	2724416	38.158	ppbv#	92
51) 1,2-Dibromoethane(EDB)	10.403	107	1740608	39.284	ppbv	97
52) Tetrachloroethene	10.649	166	1476837	38.182	ppbv	96
54) 1,1,1,2-Tetrachloroethane	11.016	131	1379763	34.957	ppbv	97
55) Chlorobenzene	11.031	112	2297006	33.350	ppbv	86
56) Ethylbenzene	11.221	91	3766577	32.290	ppbv	94
57) m, p-Xylene	11.319	91	5746582	63.290	ppbv	95
58) Bromoform	11.395	173	2091185	36.246	ppbv	98
59) Styrene	11.524	104	2264773	34.450	ppbv	99
60) 1,1,2,2-Tetrachloroethane	11.584	83	2178471	32.514	ppbv	95
61) o-Xylene	11.584	91	3031618	32.109	ppbv	96
65) Isopropylbenzene	11.903	105	4130105	31.616	ppbv	95
66) 4-Ethyltoluene	12.282	105	4235068	31.950	ppbv	95
67) 1,3,5-Trimethylbenzene	12.320	105	3613471	32.713	ppbv	94
68) 1,2,4-Trimethylbenzene	12.571	105	3526996	31.320	ppbv	95
70) Benzyl chloride	12.670	91	3090948	36.691	ppbv	96
71) 1,3-Dichlorobenzene	12.692	146	2428562	33.364	ppbv	98
72) 1,4-Dichlorobenzene	12.730	146	2272601	32.658	ppbv	97
73) sec-Butylbenzene	12.738	105	4797324	30.127	ppbv	96
74) 4-Isopropyltoluene	12.822	119	4571543	31.281	ppbv	98
75) 1,2-Dichlorobenzene	12.951	146	2294622	33.411	ppbv	98
76) n-Butylbenzene	13.087	91	4154630	33.019	ppbv#	91
77) 1,2,4-Trichlorobenzene	14.128	180	1953438	41.155	ppbv	97
78) Naphthalene	14.227	128	4055530	39.659	ppbv#	97
79) Hexachlorobutadiene	14.477	225	1906572	33.592	ppbv	99
81] 1,2-Dichlorotetrafluor...	4.191	85	1738812	37.735	ppbv	96
82] Vinyl Chloride(sim)	4.307	62	866776	38.458	ppbv	99
83] Bromomethane(sim)	4.653	94	621495	36.665	ppbv#	92
84] Trichlorofluoromethane...	5.387	101	2124092	38.483	ppbv#	99
85] 1,2-Dichloroethane(sim)	7.875	62	1407772	39.524	ppbv	97
86] 1,1,1-Trichloroethane(...	8.040	97	1849353	39.251	ppbv#	99
87] Benzene(sim)	8.326	78	2435833	34.917	ppbv	97
88] Carbon Tetrachloride(sim)	8.415	117	1908953	40.545	ppbv	99
89] 1,1-Dichloroethene(sim)	5.842	61	1650979	39.169	ppbv	96
90] Trichlorotrifluoroetha...	6.095	101	1624783	38.484	ppbv#	98
91] Trans-1,2-Dichloroethe...	6.545	61	1565677	41.294	ppbv	98
92] 1,1-Dichloroethane(sim)	6.678	63	1819067	38.086	ppbv	97
93] Cis-1,2-Dichloroethene...	7.218	61	1509687	40.390	ppbv	97
94] Chloroform(sim)	7.408	83	1711004	36.646	ppbv	98
96] 1,2-dichloropropane(sim)	8.804	63	1283241	37.520	ppbv	96
97] Bromodichloromethane(sim)	8.923	83	1848907	39.022	ppbv	99
98] Trichloroethene(sim)	8.951	130	1053613	35.979	ppbv	96
99] 1,4-Dioxane(sim)	8.923	88	400127	35.313	ppbv	90
100] cis-1,3-Dichloropropen...	9.434	75	1599198	39.721	ppbv	98
101] 1,1,2-Trichloroethane(...	9.840	97	1049424	37.193	ppbv	93
102] Dibromochloromethane(sim)	10.258	129	1966387	40.881	ppbv	99
103] 1,2-Dibromoethane(EDB)...	10.403	107	1740608	38.870	ppbv	97
104] Tetrachloroethene(sim)	10.652	166	1371529	36.217	ppbv	95
106] Bromoform(sim)	11.398	173	1884032	35.928	ppbv	99
107] m, p-Xylene(sim)	11.319	91	5753662	58.106	ppbv#	94
108] 1,1,2,2-Tetrachloroeth...	11.580	83	2161653	30.046	ppbv	99
109] Benzyl chloride(sim)	12.670	91	3090948	41.164	ppbv	96
110] 1,3-Dichlorobenzene(sim)	12.688	146	2498818	31.529	ppbv	97
111] 1,4-Dichlorobenzene(sim)	12.730	146	2272993	30.999	ppbv	97

Quantitation Report (RF) (QT Reviewed)

Data Path : H:\AIR2025\CHEM39\09SEP\20\
Data File : 0920_13.D
Acq On : 20 Sep 2025 4:44 pm
Operator :
Client ID : ICAL 40
Lab ID : 40 ppbv
ALS Vial : 24 Sample Multiplier: 1

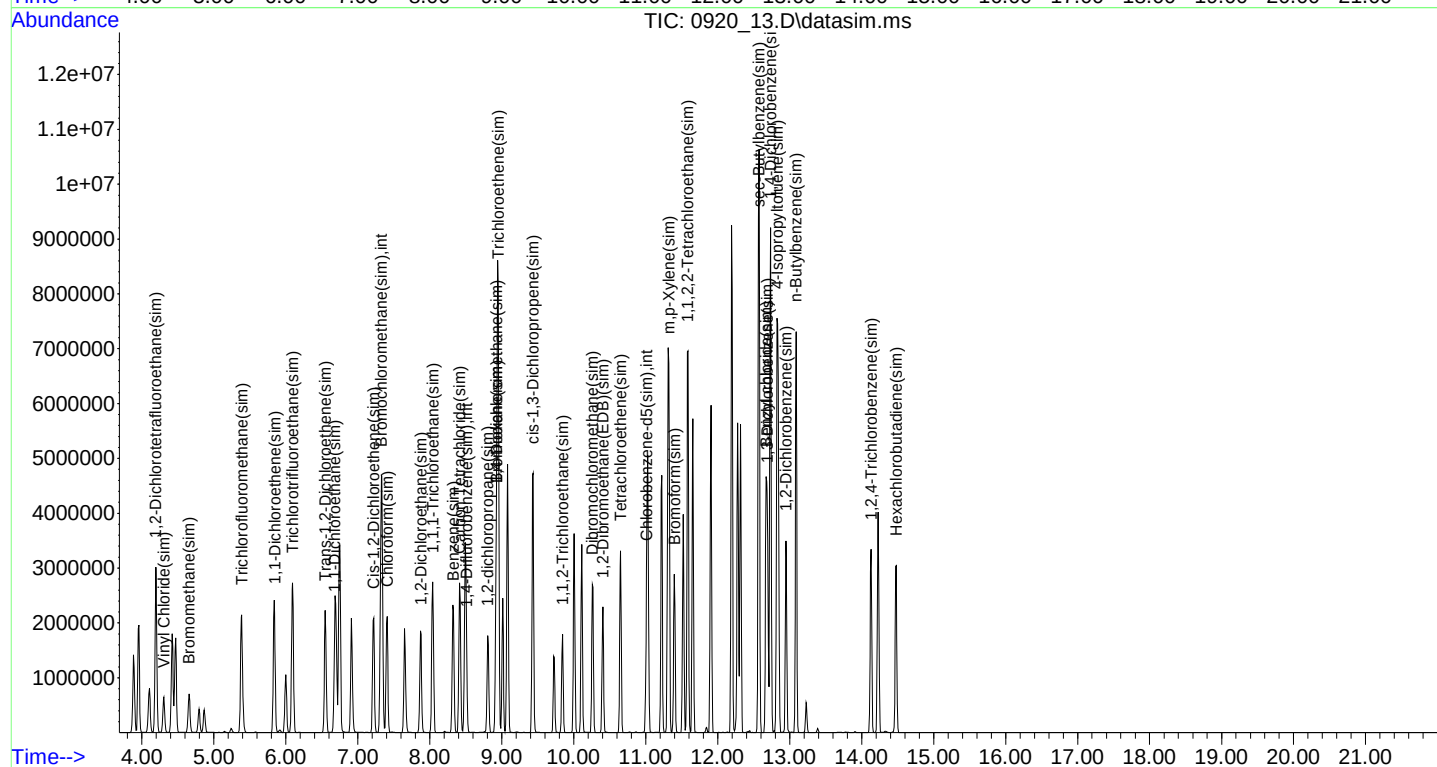
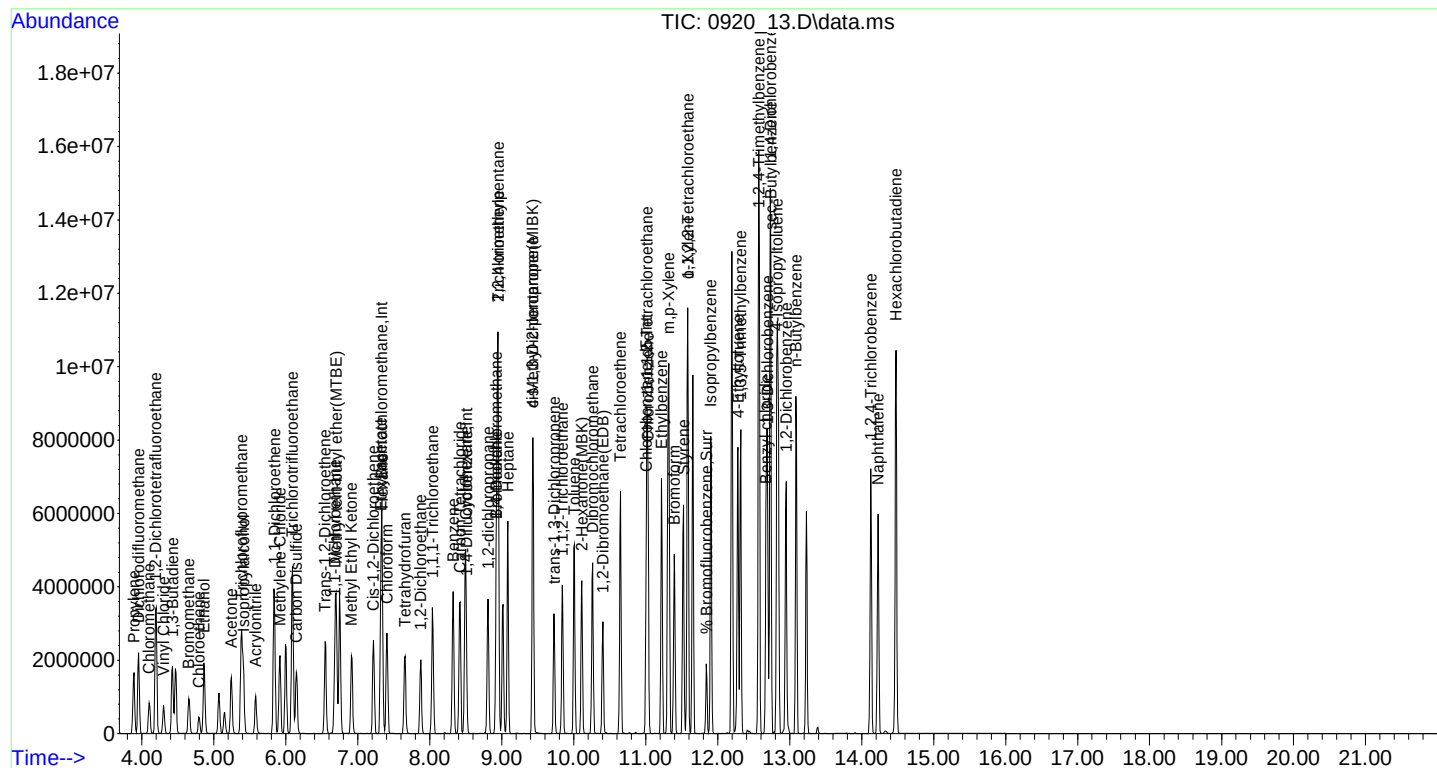
Quant Time: Sep 23 14:29:21 2025
Quant Method : H:\AIR2025\CHEM39\Methods\39_AIR_0920.M
Quant Title : VOA Standards for 5 point calibration
QLast Update : Fri Sep 19 08:41:19 2025
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
112]	sec-Butylbenzene(sim)	12.574	105	3602121	28.025	ppbv	98
113]	4-Isopropyltoluene(sim)	12.822	119	4571543	28.855	ppbv	98
114]	1,2-Dichlorobenzene(sim)	12.946	146	2325136	31.134	ppbv	97
115]	n-Butylbenzene(sim)	13.087	91	4154766	31.834	ppbv	91
116]	1,2,4-Trichlorobenzene...	14.131	180	1955490	9.703	ppbv	98
118]	Hexachlorobutadiene(sim)	14.480	225	1799650	33.567	ppbv	99

(#)out of range (m>manual integration reviewed by analyst (+)signals summed

Data Path : H:\AIR2025\CHEM39\09SEP\20\
Data File : 0920_13.D
Acq On : 20 Sep 2025 4:44 pm
Operator :
Client ID : ICAL 40
Lab ID : 40 ppbv
ALS Vial : 24 Sample Multiplier: 1

Quant Time: Sep 23 14:29:21 2025
Quant Method : H:\AIR2025\CHEM39\Methods\39_AIR_0920.M
Quant Title : VOA Standards for 5 point calibration
QLast Update : Fri Sep 19 08:41:19 2025
Response via : Initial Calibration



Quantitation Report (RF) (QT Reviewed)

Data Path : H:\AIR2025\CHEM39\09SEP\20\
 Data File : 0920_14.D
 Acq On : 20 Sep 2025 5:22 pm
 Operator :
 Client ID : ICAL 1
 Lab ID : 1.0 ppbv
 ALS Vial : 25 Sample Multiplier: 1

Quant Time: Sep 23 14:45:36 2025
 Quant Method : H:\AIR2025\CHEM39\Methods\39_AIR_0920.M
 Quant Title : VOA Standards for 5 point calibration
 QLast Update : Tue Sep 23 14:45:11 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	7.332	130	184957	10.000	ng	0.00
36) 1,4-Difluorobenzene	8.507	114	716648	10.000	ng	0.00
53) Chlorobenzene-d5	11.000	82	362360	10.000	ng	0.00
80) Bromochloromethane(sim)	7.327	130	176178	10.000	ng	# 0.00
95) 1,4-Difluorobenzene(sim)	8.507	114	716648	10.000	ng	0.00
105) Chlorobenzene-d5(sim)	11.000	82	362360	10.000	ng	0.00

System Monitoring Compounds						
62) % Bromofluorobenzene	11.842	95	484891	10.306	ppbv	0.00
Spiked Amount	10.000	Range 70 - 130	Recovery	= 103.10%		

Target Compounds						Qvalue
2) Propylene	3.891	41	25728	0.958	ppbv	99
3) Dichlorodifluoromethane	3.956	85	46890	1.010	ppbv	96
4) Chloromethane	4.102	50	24322	0.983	ppbv	98
5) 1,2-Dichlorotetrafluor...	4.199	85	44140	1.021	ppbv	98
6) Vinyl Chloride	4.304	62	20005	0.974	ppbv	99
7) 1,3-Butadiene	4.426	54	20072	0.994	ppbv	96
8) Bromomethane	4.661	94	15351	0.992	ppbv	92
9) Chloroethane	4.799	64	8949	1.020	ppbv	95
11) Ethanol	4.872	45	10352	1.153	ppbv	94
12) Acetone	5.249	43	51061	1.009	ppbv	98
13) Trichlorofluoromethane	5.384	101	53600	1.003	ppbv	99
14) Isopropylalcohol	5.415	45	59153	1.100	ppbv#	96
15) Acrylonitrile	5.587	53	17451	0.998	ppbv	97
16) 1,1-Dichloroethene	5.842	61	40482	0.995	ppbv	95
17) Methylene Chloride	5.919	49	37716	0.997	ppbv	97
20) Carbon Disulfide	6.146	76	53116	1.007	ppbv	99
21) Trichlorotrifluoroethane	6.092	101	40836	0.997	ppbv	98
22) Trans-1,2-Dichloroethene	6.553	61	37672	0.987	ppbv	98
23) 1,1-Dichloroethane	6.683	63	43863	1.004	ppbv	96
24) Methyl tert-butyl ethe...	6.708	73	54115	1.010	ppbv	99
25) Methyl Ethyl Ketone	6.926	43	73673	1.100	ppbv	97
26) Cis-1,2-Dichloroethene	7.218	61	36013	0.987	ppbv	97
27) Hexane	7.340	57	45018	1.000	ppbv	100
28) Chloroform	7.405	83	43172	1.014	ppbv	95
29) Ethyl acetate	7.324	61	9160	1.077	ppbv#	92
30) Tetrahydrofuran	7.664	42	36997	1.039	ppbv	100
31) 1,2-Dichloroethane	7.875	62	33761	0.994	ppbv	96
32) 1,1,1-Trichloroethane	8.037	97	45025	1.005	ppbv	99
33) Benzene	8.325	78	61811	1.011	ppbv	96
34) Carbon Tetrachloride	8.420	117	47506	0.992	ppbv	99
35) Cyclohexane	8.498	84	23491	0.994	ppbv	95
37) 1,2-dichloropropane	8.810	63	31038	1.013	ppbv	95
38) Bromodichloromethane	8.922	83	44280	0.989	ppbv	96
39) Trichloroethene	8.948	130	29608	1.047	ppbv	91
40) 2,2,4-trimethylpentane	8.948	57	148383	1.035	ppbv	96
41) 1,4-Dioxane	8.931	88	19448	1.665	ppbv#	85
43) Heptane	9.078	43	65309	0.988	ppbv	96
44) cis-1,3-Dichloropropene	9.431	75	37898	1.013	ppbv	97
45) 4-Methyl-2-pentanone(M...	9.431	43	91912	1.154	ppbv	97
46) trans-1,3-Dichloropropene	9.727	75	30375	1.014	ppbv	97
47) 1,1,2-Trichloroethane	9.839	97	27322	1.054	ppbv	94
48) Toluene	10.008	91	80115	1.045	ppbv	98

Quantitation Report (RF) (QT Reviewed)

Data Path : H:\AIR2025\CHEM39\09SEP\20\
 Data File : 0920_14.D
 Acq On : 20 Sep 2025 5:22 pm
 Operator :
 Client ID : ICAL 1
 Lab ID : 1.0 ppbv
 ALS Vial : 25 Sample Multiplier: 1

Quant Time: Sep 23 14:45:36 2025
 Quant Method : H:\AIR2025\CHEM39\Methods\39_AIR_0920.M
 Quant Title : VOA Standards for 5 point calibration
 QLast Update : Tue Sep 23 14:45:11 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
49) Dibromochloromethane	10.262	129	52581	1.050	ppbv	99
50) 2-Hexanone(MBK)	10.114	43	79659	1.144	ppbv	95
51) 1,2-Dibromoethane(EDB)	10.402	107	47623	1.102	ppbv	96
52) Tetrachloroethene	10.649	166	39359	1.043	ppbv	98
54) 1,1,1,2-Tetrachloroethane	11.015	131	35392	1.084	ppbv	100
55) Chlorobenzene	11.030	112	63902	1.121	ppbv	91
56) Ethylbenzene	11.220	91	105539	1.094	ppbv	96
57) m, p-Xylene	11.311	91	168189	2.239	ppbv	97
58) Bromoform	11.394	173	56774	1.189	ppbv	100
59) Styrene	11.523	104	62969	1.158	ppbv	98
60) 1,1,2,2-Tetrachloroethane	11.576	83	67910	1.225	ppbv	98
61) o-Xylene	11.584	91	85681	1.097	ppbv	97
65) Isopropylbenzene	11.902	105	120532	1.115	ppbv	96
66) 4-Ethyltoluene	12.274	105	123279	1.124	ppbv	97
67) 1,3,5-Trimethylbenzene	12.320	105	101530	1.111	ppbv	95
68) 1,2,4-Trimethylbenzene	12.570	105	104420	1.121	ppbv	95
70) Benzyl chloride	12.669	91	88188	1.265	ppbv	98
71) 1,3-Dichlorobenzene	12.684	146	72235	1.200	ppbv	100
72) 1,4-Dichlorobenzene	12.730	146	69249	1.203	ppbv	99
73) sec-Butylbenzene	12.730	105	146891	1.115	ppbv	96
74) 4-Isopropyltoluene	12.821	119	134474	1.112	ppbv	96
75) 1,2-Dichlorobenzene	12.943	146	67931	1.196	ppbv	99
76) n-Butylbenzene	13.087	91	114849	1.103	ppbv	96
77) 1,2,4-Trichlorobenzene	14.127	180	43937	1.119	ppbv	97
78) Naphthalene	14.226	128	101257	1.197	ppbv#	99
79) Hexachlorobutadiene	14.477	225	51778	1.103	ppbv	99
81] 1,2-Dichlorotetrafluor...	4.199	85	44140	0.967	ppbv	98
82] Vinyl Chloride(sim)	4.307	62	21477	0.962	ppbv	100
83] Bromomethane(sim)	4.661	94	15351	0.914	ppbv	92
84] Trichlorofluoromethane...	5.387	101	53635	0.981	ppbv#	100
85] 1,2-Dichloroethane(sim)	7.875	62	33761	0.957	ppbv	96
86] 1,1,1-Trichloroethane(...	8.040	97	46043	0.986	ppbv#	99
87] Benzene(sim)	8.325	78	61811	0.894	ppbv	96
88] Carbon Tetrachloride(sim)	8.415	117	46285	0.992	ppbv	100
89] 1,1-Dichloroethene(sim)	5.842	61	40482	0.969	ppbv	95
90] Trichlorotrifluoroetha...	6.095	101	40934	0.979	ppbv#	98
91] Trans-1,2-Dichloroethe...	6.553	61	37672	1.003	ppbv	98
92] 1,1-Dichloroethane(sim)	6.678	63	45898	0.970	ppbv	98
93] Cis-1,2-Dichloroethene...	7.218	61	36013	0.972	ppbv	97
94] Chloroform(sim)	7.408	83	43219	0.934	ppbv	99
96] 1,2-dichloropropane(sim)	8.804	63	32554	0.976	ppbv	96
97] Bromodichloromethane(sim)	8.922	83	44280	0.958	ppbv	97
98] Trichloroethene(sim)	8.942	130	28096	0.984	ppbv	95
99] 1,4-Dioxane(sim)	8.931	88	19448	1.012	ppbv#	85
100] cis-1,3-Dichloropropen...	9.434	75	40455	1.030	ppbv	99
101] 1,1,2-Trichloroethane(...	9.839	97	27322	0.993	ppbv	94
102] Dibromochloromethane(sim)	10.257	129	49637	1.058	ppbv	99
103] 1,2-Dibromoethane(EDB)...	10.402	107	47623	1.090	ppbv	96
104] Tetrachloroethene(sim)	10.652	166	36322	0.983	ppbv	96
106] Bromoform(sim)	11.397	173	50718	1.169	ppbv	99
107] m, p-Xylene(sim)	11.311	91	168189	2.053	ppbv	97
108] 1,1,2,2-Tetrachloroeth...	11.579	83	67770	1.139	ppbv	99
109] Benzyl chloride(sim)	12.669	91	88188	1.420	ppbv	98
110] 1,3-Dichlorobenzene(sim)	12.687	146	75539	1.152	ppbv	98
111] 1,4-Dichlorobenzene(sim)	12.730	146	69249	1.142	ppbv	99

Data Path : H:\AIR2025\CHEM39\09SEP\20\
Data File : 0920_14.D
Acq On : 20 Sep 2025 5:22 pm
Operator :
Client ID : ICAL 1
Lab ID : 1.0 ppbv
ALS Vial : 25 Sample Multiplier: 1

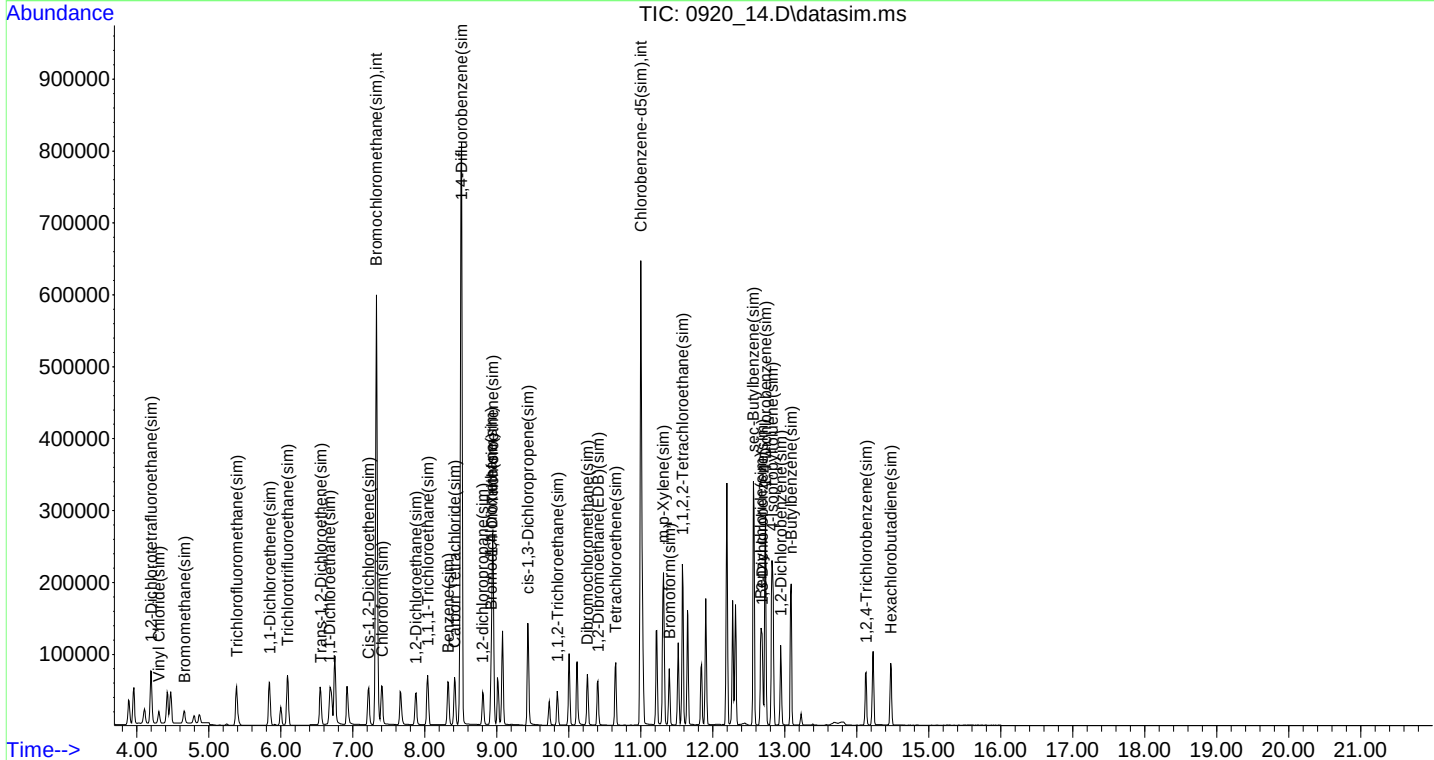
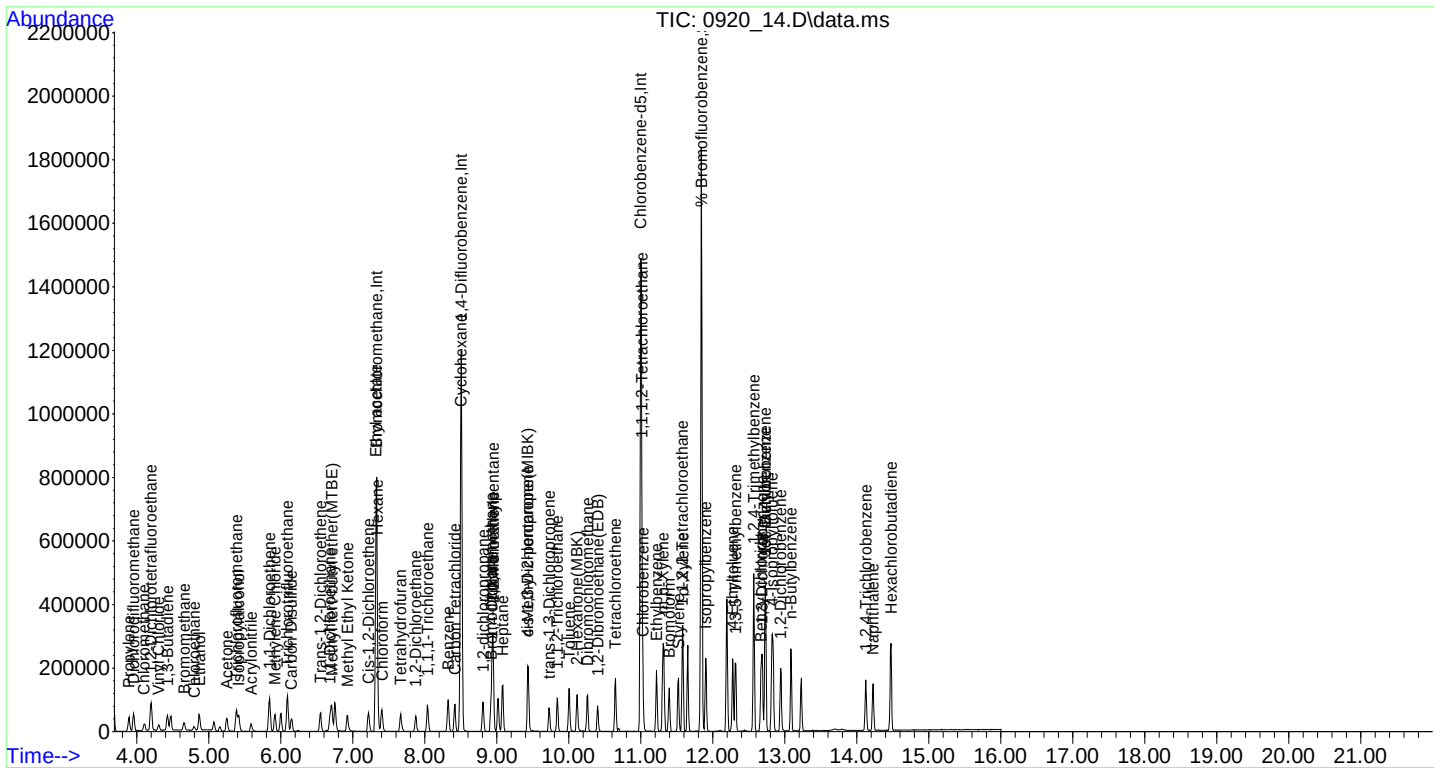
Quant Time: Sep 23 14:45:36 2025
Quant Method : H:\AIR2025\CHEM39\Methods\39_AIR_0920.M
Quant Title : VOA Standards for 5 point calibration
QLast Update : Tue Sep 23 14:45:11 2025
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
112]	sec-Butylbenzene(sim)	12.566	105	111082	1.045	ppbv	95
113]	4-Isopropyltoluene(sim)	12.821	119	134474	1.026	ppbv	96
114]	1,2-Dichlorobenzene(sim)	12.945	146	70030	1.133	ppbv	99
115]	n-Butylbenzene(sim)	13.087	91	114849	1.064	ppbv	96
116]	1,2,4-Trichlorobenzene...	14.130	180	44603	1.158	ppbv	99
118]	Hexachlorobutadiene(sim)	14.472	225	48503	1.013	ppbv	99

(#)out of range (m>manual integration reviewed by analyst (+)signals summed

Data Path : H:\AIR2025\CHEM39\09SEP\20\
Data File : 0920_14.D
Acq On : 20 Sep 2025 5:22 pm
Operator :
Client ID : ICAL 1
Lab ID : 1.0 ppbv
ALS Vial : 25 Sample Multiplier: 1

Quant Time: Sep 23 14:45:36 2025
Quant Method : H:\AIR2025\CHEM39\Methods\39_AIR_0920.M
Quant Title : VOA Standards for 5 point calibration
QLast Update : Tue Sep 23 14:45:11 2025
Response via : Initial Calibration



Quantitation Report (RF) (QT Reviewed)

Data Path : H:\AIR2025\CHEM39\09SEP\20\
 Data File : 0920_15.D
 Acq On : 20 Sep 2025 5:59 pm
 Operator :
 Client ID : ICAL 10
 Lab ID : 10.0 ppbv
 ALS Vial : 26 Sample Multiplier: 1

Quant Time: Sep 23 14:45:46 2025
 Quant Method : H:\AIR2025\CHEM39\Methods\39_AIR_0920.M
 Quant Title : VOA Standards for 5 point calibration
 QLast Update : Tue Sep 23 14:45:11 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	7.332	130	186515	10.000	ng	0.00
36) 1,4-Difluorobenzene	8.507	114	726951	10.000	ng	0.00
53) Chlorobenzene-d5	11.001	82	381929	10.000	ng	0.00
80) Bromochloromethane(sim)	7.327	130	177292	10.000	ng	# 0.00
95) 1,4-Difluorobenzene(sim)	8.507	114	726951	10.000	ng	0.00
105) Chlorobenzene-d5(sim)	11.001	82	381929	10.000	ng	0.00

System Monitoring Compounds						
62) % Bromofluorobenzene	11.842	95	495280	9.988	ppbv	0.00
Spiked Amount	10.000	Range	70 - 130	Recovery	=	99.90%

Target Compounds						Qvalue
2) Propylene	3.891	41	249313	9.206	ppbv	99
3) Dichlorodifluoromethane	3.956	85	467446	9.989	ppbv	97
4) Chloromethane	4.102	50	240856	9.658	ppbv	99
5) 1,2-Dichlorotetrafluor...	4.199	85	432771	9.931	ppbv	96
6) Vinyl Chloride	4.304	62	206584	9.975	ppbv	100
7) 1,3-Butadiene	4.426	54	197583	9.701	ppbv	97
8) Bromomethane	4.653	94	152371	9.767	ppbv#	92
9) Chloroethane	4.791	64	87557	9.894	ppbv	99
11) Ethanol	4.872	45	76881	8.494	ppbv	96
12) Acetone	5.243	43	467816	9.165	ppbv	99
13) Trichlorofluoromethane	5.384	101	536250	9.955	ppbv	99
14) Isopropylalcohol	5.409	45	529264	9.760	ppbv	95
15) Acrylonitrile	5.581	53	177460	10.060	ppbv	97
16) 1,1-Dichloroethene	5.842	61	411285	10.027	ppbv	96
17) Methylene Chloride	5.919	49	364383	9.554	ppbv	99
20) Carbon Disulfide	6.151	76	534064	10.040	ppbv	99
21) Trichlorotrifluoroethane	6.092	101	414666	10.040	ppbv	98
22) Trans-1,2-Dichloroethene	6.545	61	382812	9.943	ppbv	98
23) 1,1-Dichloroethane	6.683	63	439883	9.982	ppbv	97
24) Methyl tert-butyl ethe...	6.699	73	533784	9.883	ppbv	98
25) Methyl Ethyl Ketone	6.918	43	651979	9.651	ppbv	98
26) Cis-1,2-Dichloroethene	7.218	61	372939	10.136	ppbv	97
27) Hexane	7.340	57	449451	9.901	ppbv	99
28) Chloroform	7.405	83	425358	9.904	ppbv	99
29) Ethyl acetate	7.324	61	90774	10.582	ppbv	96
30) Tetrahydrofuran	7.656	42	344364	9.586	ppbv	99
31) 1,2-Dichloroethane	7.875	62	343901	10.041	ppbv	97
32) 1,1,1-Trichloroethane	8.037	97	452672	10.020	ppbv	98
33) Benzene	8.326	78	610962	9.913	ppbv	96
34) Carbon Tetrachloride	8.412	117	491694	10.186	ppbv	100
35) Cyclohexane	8.490	84	236238	9.915	ppbv	94
37) 1,2-dichloropropane	8.810	63	308459	9.924	ppbv	95
38) Bromodichloromethane	8.923	83	463786	10.210	ppbv	99
39) Trichloroethene	8.948	130	289143	10.077	ppbv	93
40) 2,2,4-trimethylpentane	8.948	57	1448535	9.957	ppbv	97
41) 1,4-Dioxane	8.923	88	104226	8.797	ppbv	91
43) Heptane	9.078	43	655929	9.779	ppbv	98
44) cis-1,3-Dichloropropene	9.431	75	384565	10.135	ppbv	96
45) 4-Methyl-2-pentanone(M...	9.431	43	726630	8.993	ppbv	98
46) trans-1,3-Dichloropropene	9.727	75	308546	10.151	ppbv	96
47) 1,1,2-Trichloroethane	9.840	97	261948	9.965	ppbv	92
48) Toluene	10.002	91	779900	10.025	ppbv	98

Quantitation Report (RF) (QT Reviewed)

Data Path : H:\AIR2025\CHEM39\09SEP\20\
 Data File : 0920_15.D
 Acq On : 20 Sep 2025 5:59 pm
 Operator :
 Client ID : ICAL 10
 Lab ID : 10.0 ppbv
 ALS Vial : 26 Sample Multiplier: 1

Quant Time: Sep 23 14:45:46 2025
 Quant Method : H:\AIR2025\CHEM39\Methods\39_AIR_0920.M
 Quant Title : VOA Standards for 5 point calibration
 QLast Update : Tue Sep 23 14:45:11 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
49) Dibromochloromethane	10.262	129	522309	10.279	ppbv	99
50) 2-Hexanone(MBK)	10.107	43	644936	9.131	ppbv#	95
51) 1,2-Dibromoethane(EDB)	10.403	107	434422	9.911	ppbv	97
52) Tetrachloroethene	10.649	166	381401	9.968	ppbv	97
54) 1,1,1,2-Tetrachloroethane	11.016	131	351553	10.214	ppbv	98
55) Chlorobenzene	11.031	112	598789	9.970	ppbv	84
56) Ethylbenzene	11.220	91	998027	9.812	ppbv	96
57) m, p-Xylene	11.311	91	1583310	19.998	ppbv	97
58) Bromoform	11.395	173	512771	10.192	ppbv	98
59) Styrene	11.524	104	570752	9.956	ppbv	97
60) 1,1,2,2-Tetrachloroethane	11.577	83	579301	9.915	ppbv	95
61) o-Xylene	11.584	91	804678	9.774	ppbv	96
65) Isopropylbenzene	11.903	105	1131299	9.931	ppbv	96
66) 4-Ethyltoluene	12.275	105	1173040	10.149	ppbv	97
67) 1,3,5-Trimethylbenzene	12.320	105	962856	9.996	ppbv	96
68) 1,2,4-Trimethylbenzene	12.571	105	987730	10.059	ppbv	95
70) Benzyl chloride	12.670	91	806687	10.981	ppbv	97
71) 1,3-Dichlorobenzene	12.685	146	647795	10.206	ppbv	99
72) 1,4-Dichlorobenzene	12.730	146	614604	10.129	ppbv	99
73) sec-Butylbenzene	12.730	105	1406168	10.127	ppbv	96
74) 4-Isopropyltoluene	12.821	119	1295511	10.166	ppbv	97
75) 1,2-Dichlorobenzene	12.943	146	605671	10.113	ppbv	100
76) n-Butylbenzene	13.087	91	1143636	10.423	ppbv	96
77) 1,2,4-Trichlorobenzene	14.128	180	453302	10.952	ppbv	98
78) Naphthalene	14.226	128	925586	10.380	ppbv#	99
79) Hexachlorobutadiene	14.477	225	492437	9.950	ppbv	99
81] 1,2-Dichlorotetrafluor...	4.199	85	432771	9.420	ppbv	96
82] Vinyl Chloride(sim)	4.307	62	214658	9.552	ppbv	100
83] Bromomethane(sim)	4.653	94	152371	9.016	ppbv#	92
84] Trichlorofluoromethane...	5.387	101	534685	9.716	ppbv#	100
85] 1,2-Dichloroethane(sim)	7.875	62	343901	9.684	ppbv	97
86] 1,1,1-Trichloroethane(...	8.040	97	461758	9.830	ppbv#	99
87] Benzene(sim)	8.326	78	610962	8.784	ppbv	96
88] Carbon Tetrachloride(sim)	8.415	117	472690	10.070	ppbv	99
89] 1,1-Dichloroethene(sim)	5.842	61	411285	9.787	ppbv	96
90] Trichlorotrifluoroetha...	6.095	101	408054	9.694	ppbv#	98
91] Trans-1,2-Dichloroethe...	6.545	61	382812	10.127	ppbv	98
92] 1,1-Dichloroethane(sim)	6.678	63	457655	9.610	ppbv	98
93] Cis-1,2-Dichloroethene...	7.218	61	372939	10.007	ppbv	97
94] Chloroform(sim)	7.408	83	427456	9.182	ppbv	99
96] 1,2-dichloropropane(sim)	8.804	63	321543	9.503	ppbv	96
97] Bromodichloromethane(sim)	8.923	83	463786	9.894	ppbv	99
98] Trichloroethene(sim)	8.943	130	277650	9.584	ppbv	95
99] 1,4-Dioxane(sim)	8.923	88	104226	2.672	ppbv	91
100] cis-1,3-Dichloropropen...	9.434	75	400934	10.066	ppbv	99
101] 1,1,2-Trichloroethane(...	9.840	97	261948	9.385	ppbv	92
102] Dibromochloromethane(sim)	10.258	129	488880	10.274	ppbv	99
103] 1,2-Dibromoethane(EDB)...	10.403	107	434422	9.806	ppbv	97
104] Tetrachloroethene(sim)	10.652	166	354601	9.465	ppbv	96
106] Bromoform(sim)	11.398	173	461338	10.089	ppbv	100
107] m, p-Xylene(sim)	11.311	91	1587651	18.387	ppbv	97
108] 1,1,2,2-Tetrachloroeth...	11.580	83	572018	9.118	ppbv	99
109] Benzyl chloride(sim)	12.670	91	806687	12.320	ppbv	97
110] 1,3-Dichlorobenzene(sim)	12.688	146	680067	9.840	ppbv	99
111] 1,4-Dichlorobenzene(sim)	12.730	146	614604	9.612	ppbv	99

Quantitation Report (RF) (QT Reviewed)

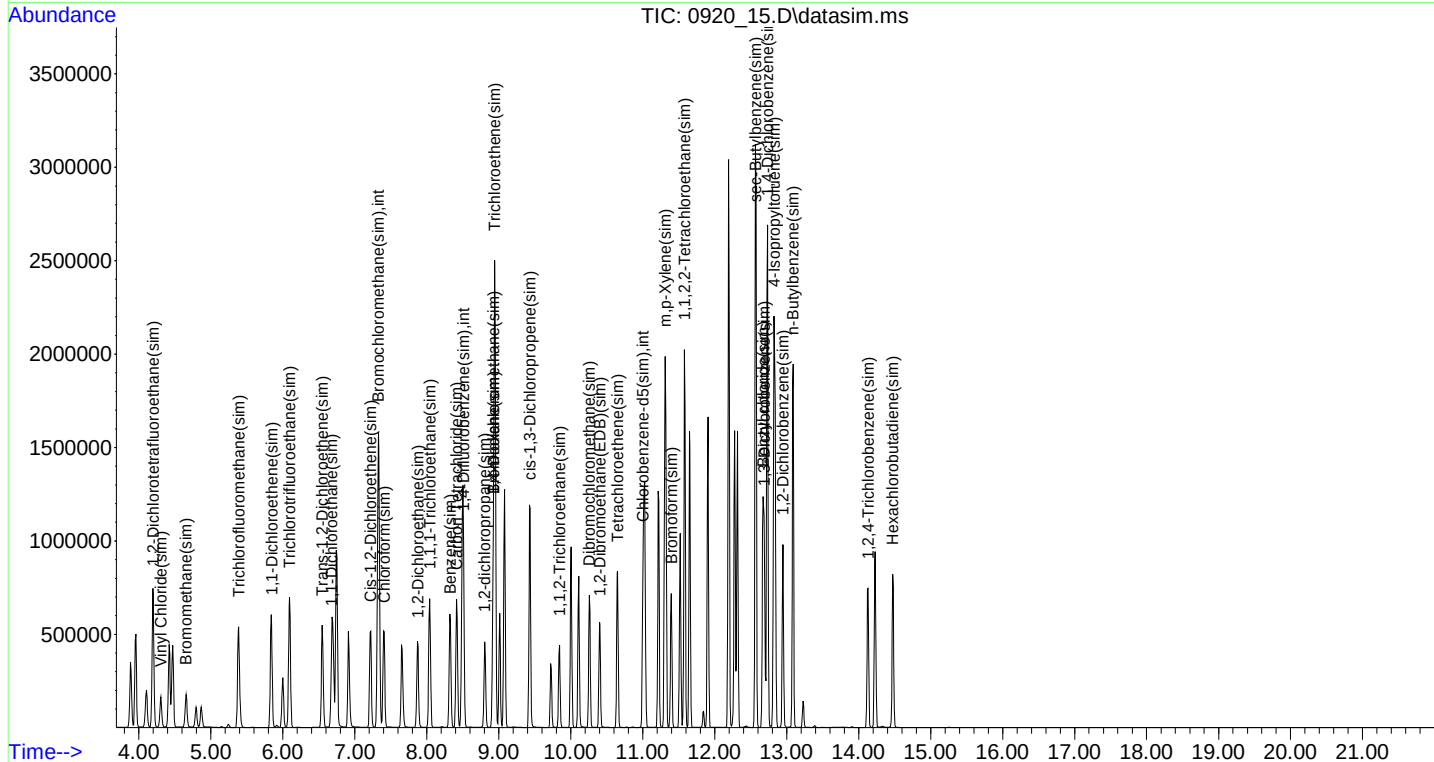
Data Path : H:\AIR2025\CHEM39\09SEP\20\
Data File : 0920_15.D
Acq On : 20 Sep 2025 5:59 pm
Operator :
Client ID : ICAL 10
Lab ID : 10.0 ppbv
ALS Vial : 26 Sample Multiplier: 1

Quant Time: Sep 23 14:45:46 2025
Quant Method : H:\AIR2025\CHEM39\Methods\39_AIR_0920.M
Quant Title : VOA Standards for 5 point calibration
QLast Update : Tue Sep 23 14:45:11 2025
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
112]	sec-Butylbenzene(sim)	12.566	105	1031882	9.207	ppbv	96
113]	4-Isopropyltoluene(sim)	12.821	119	1295511	9.378	ppbv	97
114]	1,2-Dichlorobenzene(sim)	12.946	146	617457	9.482	ppbv	99
115]	n-Butylbenzene(sim)	13.087	91	1143636	10.049	ppbv	96
116]	1,2,4-Trichlorobenzene...	14.131	180	454387	11.195	ppbv	98
118]	Hexachlorobutadiene(sim)	14.472	225	461431	11.038	ppbv	99

(#)out of range (m>manual integration reviewed by analyst (+)signals summed

Data Path : H:\AIR2025\CHEM39\09SEP\20\
Data File : 0920_15.D
Acq On : 20 Sep 2025 5:59 pm
Operator :
Client ID : ICAL 10
Lab ID : 10.0 ppbv
ALS Vial : 26 Sample Multiplier: 1



6
AIR ICV RECOVERY

Lab Name: Phoenix Environmental Labs Client: FPMGROUP
 Lab Code: Phoenix Case No: _____ SAS No: _____ SDG No GCU37304
 ICV - Client Id: ICV_CHEM39_0920

COMPOUND	SPIKE ADDED (ppbv)		ICV CONCENTRATION (ppbv)	ICV % REC #	QC. LIMITS REC.	
Propylene	10		8.983	90	70	130
Dichlorodifluoromethane	10		9.980	100	70	130
Chloromethane	10		9.607	96	70	130
1,2-Dichlorotetrafluoroethane	10		9.920	99	70	130
Vinyl Chloride	10		9.901	99	70	130
1,3-Butadiene	10		9.758	98	70	130
Bromomethane	10		9.815	98	70	130
Chloroethane	10		9.805	98	70	130
Ethanol	10		9.971	100	70	130
Acetone	10		9.348	93	70	130
Trichlorofluoromethane	10		9.982	100	70	130
Isopropylalcohol	10		10.41	104	70	130
Acrylonitrile	10		12.63	126	70	130
1,1-Dichloroethene	10		9.840	98	70	130
Methylene Chloride	10		9.493	95	70	130
Carbon Disulfide	10		10.09	101	70	130
Trichlorotrifluoroethane	10		10.08	101	70	130
Trans-1,2-Dichloroethene	10		10.21	102	70	130
1,1-Dichloroethane	10		9.961	100	70	130
Methyl tert-butyl ether(MTBE)	10		10.09	101	70	130
Methyl Ethyl Ketone	10		10.19	102	70	130
Cis-1,2-Dichloroethene	10		10.03	100	70	130
Hexane	10		9.846	98	70	130
Chloroform	10		9.985	100	70	130
Ethyl acetate	10		11.56	116	70	130
Tetrahydrofuran	10		9.558	96	70	130
1,2-Dichloroethane	10		10.20	102	70	130
1,1,1-Trichloroethane	10		10.17	102	70	130
Benzene	10		10.01	100	70	130
Carbon Tetrachloride	10		10.32	103	70	130
Cyclohexane	10		9.871	99	70	130
1,2-dichloropropane	10		10.20	102	70	130
Bromodichloromethane	10		10.52	105	70	130
Trichloroethene	10		10.27	103	70	130
2,2,4-trimethylpentane	10		10.05	101	70	130
1,4-Dioxane	10		12.21	122	70	130
Heptane	10		10.06	101	70	130
cis-1,3-Dichloropropene	10		10.44	104	70	130
4-Methyl-2-pentanone(MIBK)	10		10.90	109	70	130
trans-1,3-Dichloropropene	10		10.59	106	70	130
1,1,2-Trichloroethane	10		10.32	103	70	130
Toluene	10		10.27	103	70	130
Dibromochloromethane	10		10.83	108	70	130
2-Hexanone(MBK)	10		12.01	120	70	130

FORM VI AIR

Lab Name: Phoenix Environmental Labs Client: FPMGROUP

Lab Code: Phoenix Case No: _____ SAS No: _____ SDG No GCU37304

ICV - Client Id: ICV_CHEM39_0920[illegible]

Data Path : H:\AIR2025\CHEM39\09SEP\20\
 Data File : 0920_16.D
 Acq On : 20 Sep 2025 6:38 pm
 Operator :
 Client ID : ICV_CHEM39_0920
 Lab ID : 10 ppbv LCs
 ALS Vial : 27 Sample Multiplier: 1

Quant Time: Sep 23 14:46:00 2025
 Quant Title :
 QLast Update : Tue Sep 23 14:45:11 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Bromochloromethane	7.324	130	184686	10.000	ng	0.00
36) 1,4-Difluorobenzene	8.507	114	703264	10.000	ng	0.00
53) Chlorobenzene-d5	11.000	82	371328	10.000	ng	0.00
80) Bromochloromethane(sim)	7.327	130	172641	10.000	ng	# 0.00
95) 1,4-Difluorobenzene(sim)	8.507	114	703264	10.000	ng	0.00
105) Chlorobenzene-d5(sim)	11.000	82	371328	10.000	ng	0.00

System Monitoring Compounds						
62) % Bromofluorobenzene	11.842	95	483443	10.027	ppbv	0.00
Spiked Amount	10.000	Range	70 - 130	Recovery	= 100.30%	

Target Compounds			Qvalue			
2) Propylene	3.883	41	240879	8.983	ppbv	99
3) Dichlorodifluoromethane	3.947	85	462472	9.980	ppbv	97
4) Chloromethane	4.102	50	237225	9.607	ppbv	99
5) 1,2-Dichlorotetrafluor...	4.191	85	428072	9.920	ppbv	96
6) Vinyl Chloride	4.296	62	203051	9.901	ppbv	100
7) 1,3-Butadiene	4.418	54	196786	9.758	ppbv	97
8) Bromomethane	4.653	94	151615	9.815	ppbv#	93
9) Chloroethane	4.791	64	85914	9.805	ppbv	99
11) Ethanol	4.864	45	89366	9.971	ppbv#	93
12) Acetone	5.237	43	472471	9.348	ppbv	99
13) Trichlorofluoromethane	5.378	101	532413	9.982	ppbv	99
14) Isopropylalcohol	5.409	45	558725	10.405	ppbv	95
15) Acrylonitrile	5.581	53	220534	12.626	ppbv	97
16) 1,1-Dichloroethene	5.836	61	399627	9.840	ppbv	96
17) Methylene Chloride	5.913	49	358512	9.493	ppbv	99
20) Carbon Disulfide	6.145	76	531238	10.086	ppbv	99
21) Trichlorotrifluoroethane	6.086	101	412198	10.079	ppbv	98
22) Trans-1,2-Dichloroethene	6.545	61	389059	10.205	ppbv	99
23) 1,1-Dichloroethane	6.683	63	434622	9.961	ppbv	97
24) Methyl tert-butyl ethe...	6.699	73	539754	10.092	ppbv	98
25) Methyl Ethyl Ketone	6.910	43	681941	10.194	ppbv	98
26) Cis-1,2-Dichloroethene	7.218	61	365482	10.032	ppbv	97
27) Hexane	7.332	57	442556	9.846	ppbv	99
28) Chloroform	7.405	83	424627	9.985	ppbv	98
29) Ethyl acetate	7.316	61	98217	11.563	ppbv	95
30) Tetrahydrofuran	7.656	42	339972	9.558	ppbv	99
31) 1,2-Dichloroethane	7.875	62	345940	10.200	ppbv	97
32) 1,1,1-Trichloroethane	8.037	97	455045	10.173	ppbv	98
33) Benzene	8.325	78	610767	10.008	ppbv	96
34) Carbon Tetrachloride	8.412	117	493346	10.321	ppbv	100
35) Cyclohexane	8.489	84	232876	9.871	ppbv	94
37) 1,2-dichloropropane	8.810	63	306707	10.200	ppbv	96
38) Bromodichloromethane	8.922	83	462321	10.521	ppbv	98
39) Trichloroethene	8.948	130	285186	10.274	ppbv	93
40) 2,2,4-trimethylpentane	8.948	57	1414044	10.048	ppbv	98
41) 1,4-Dioxane	8.922	88	139936	12.209	ppbv#	94
43) Heptane	9.078	43	652982	10.063	ppbv	98
44) cis-1,3-Dichloropropene	9.431	75	383149	10.437	ppbv	96
45) 4-Methyl-2-pentanone(M...	9.431	43	851841	10.897	ppbv	98
46) trans-1,3-Dichloropropene	9.727	75	311266	10.585	ppbv	96
47) 1,1,2-Trichloroethane	9.839	97	262481	10.322	ppbv	93
48) Toluene	10.001	91	772804	10.268	ppbv	97
49) Dibromochloromethane	10.261	129	532464	10.832	ppbv	99

Data Path : H:\AIR2025\CHEM39\09SEP\20\
 Data File : 0920_16.D
 Acq On : 20 Sep 2025 6:38 pm
 Operator :
 Client ID : ICV_CHEM39_0920
 Lab ID : 10 ppbv LCs
 ALS Vial : 27 Sample Multiplier: 1

Quant Time: Sep 23 14:46:00 2025
 Quant Title :
 QLast Update : Tue Sep 23 14:45:11 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
50) 2-Hexanone(MBK)	10.107	43	820907	12.014	ppbv#	94
51) 1,2-Dibromoethane(EDB)	10.402	107	437959	10.328	ppbv	97
52) Tetrachloroethene	10.649	166	383881	10.370	ppbv	97
54) 1,1,1,2-Tetrachloroethane	11.015	131	338606	10.119	ppbv	96
55) Chlorobenzene	11.030	112	598457	10.249	ppbv	85
56) Ethylbenzene	11.220	91	1006918	10.182	ppbv	97
57) m,p-Xylene	11.311	91	1576394	20.479	ppbv	97
58) Bromoform	11.394	173	540604	11.052	ppbv	98
59) Styrene	11.523	104	572865	10.278	ppbv	97
60) 1,1,2,2-Tetrachloroethane	11.576	83	588085	10.353	ppbv	95
61) o-Xylene	11.584	91	808287	10.098	ppbv	96
65) Isopropylbenzene	11.902	105	1091092	9.852	ppbv	96
66) 4-Ethyltoluene	12.274	105	1174743	10.454	ppbv	97
67) 1,3,5-Trimethylbenzene	12.320	105	973588	10.396	ppbv	96
68) 1,2,4-Trimethylbenzene	12.570	105	998384	10.458	ppbv	95
70) Benzyl chloride	12.669	91	840025	11.762	ppbv	97
71) 1,3-Dichlorobenzene	12.684	146	660854	10.709	ppbv	99
72) 1,4-Dichlorobenzene	12.730	146	625691	10.606	ppbv	99
73) sec-Butylbenzene	12.730	105	1363609	10.101	ppbv	96
74) 4-Isopropyltoluene	12.821	119	1254010	10.121	ppbv	97
75) 1,2-Dichlorobenzene	12.942	146	623367	10.706	ppbv	100
76) n-Butylbenzene	13.087	91	1113500	10.438	ppbv	96
77) 1,2,4-Trichlorobenzene	14.127	180	454053	11.283	ppbv	98
78) Naphthalene	14.226	128	949587	10.953	ppbv#	99
79) Hexachlorobutadiene	14.477	225	497341	10.336	ppbv	99
81] 1,2-Dichlorotetrafluor...	4.191	85	428072	9.568	ppbv	96
82] Vinyl Chloride(sim)	4.299	62	211731	9.676	ppbv	100
83] Bromomethane(sim)	4.653	94	151615	9.213	ppbv#	93
84] Trichlorofluoromethane...	5.381	101	529196	9.875	ppbv#	100
85] 1,2-Dichloroethane(sim)	7.875	62	345940	10.004	ppbv	97
86] 1,1,1-Trichloroethane(...	8.040	97	460911	10.076	ppbv#	99
87] Benzene(sim)	8.325	78	610767	9.018	ppbv	96
88] Carbon Tetrachloride(sim)	8.415	117	472613	10.339	ppbv	100
89] 1,1-Dichloroethene(sim)	5.836	61	399627	9.766	ppbv	96
90] Trichlorotrifluoroetha...	6.089	101	402890	9.829	ppbv#	98
91] Trans-1,2-Dichloroethe...	6.545	61	389059	10.569	ppbv	99
92] 1,1-Dichloroethane(sim)	6.678	63	452981	9.769	ppbv	98
93] Cis-1,2-Dichloroethene...	7.218	61	365482	10.071	ppbv	97
94] Chloroform(sim)	7.400	83	424651	9.368	ppbv	99
96] 1,2-dichloropropane(sim)	8.804	63	319433	9.759	ppbv	96
97] Bromodichloromethane(sim)	8.922	83	462321	10.195	ppbv	99
98] Trichloroethene(sim)	8.942	130	275843	9.842	ppbv	95
99] 1,4-Dioxane(sim)	8.922	88	139936	3.199	ppbv#	94
100] cis-1,3-Dichloropropen...	9.434	75	398894	10.353	ppbv	99
101] 1,1,2-Trichloroethane(...	9.839	97	262481	9.720	ppbv	93
102] Dibromochloromethane(sim)	10.257	129	497711	10.812	ppbv	99
103] 1,2-Dibromoethane(EDB)...	10.402	107	437959	10.219	ppbv	98
104] Tetrachloroethene(sim)	10.652	166	356254	9.830	ppbv	96
106] Bromoform(sim)	11.397	173	487362	10.963	ppbv	100
107] m,p-Xylene(sim)	11.311	91	1579884	18.820	ppbv	96
108] 1,1,2,2-Tetrachloroeth...	11.579	83	581979	9.542	ppbv	99
109] Benzyl chloride(sim)	12.669	91	840025	13.196	ppbv	97
110] 1,3-Dichlorobenzene(sim)	12.687	146	689862	10.267	ppbv	99
111] 1,4-Dichlorobenzene(sim)	12.730	146	625691	10.065	ppbv	99
112] sec-Butylbenzene(sim)	12.566	105	1046748	9.606	ppbv	96
113] 4-Isopropyltoluene(sim)	12.821	119	1254010	9.336	ppbv	97

Data Path : H:\AIR2025\CHEM39\09SEP\20\
Data File : 0920_16.D
Acq On : 20 Sep 2025 6:38 pm
Operator :
Client ID : ICV_CHEM39_0920
Lab ID : 10 ppbv LCs
ALS Vial : 27 Sample Multiplier: 1

Quant Time: Sep 23 14:46:00 2025
Quant Title :
QLast Update : Tue Sep 23 14:45:11 2025
Response via : Initial Calibration

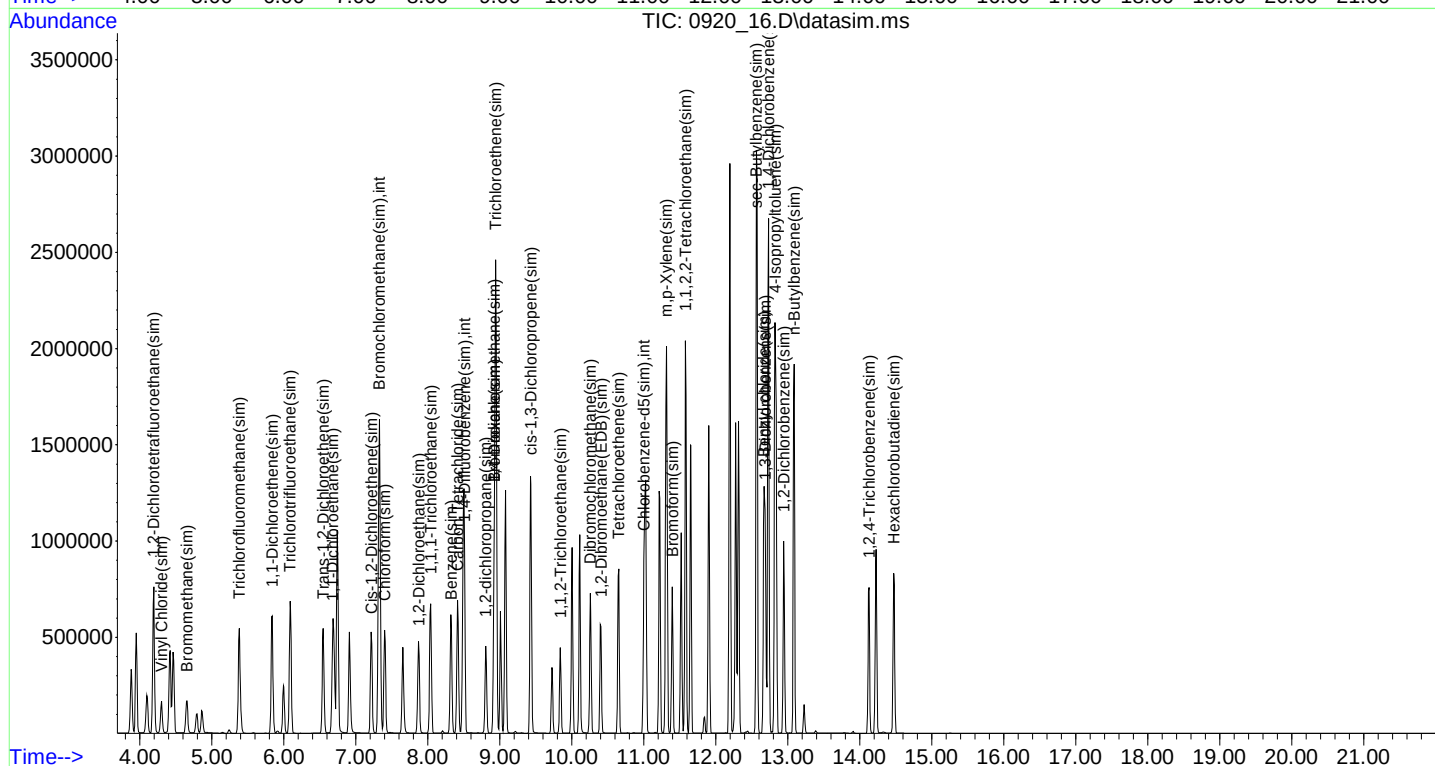
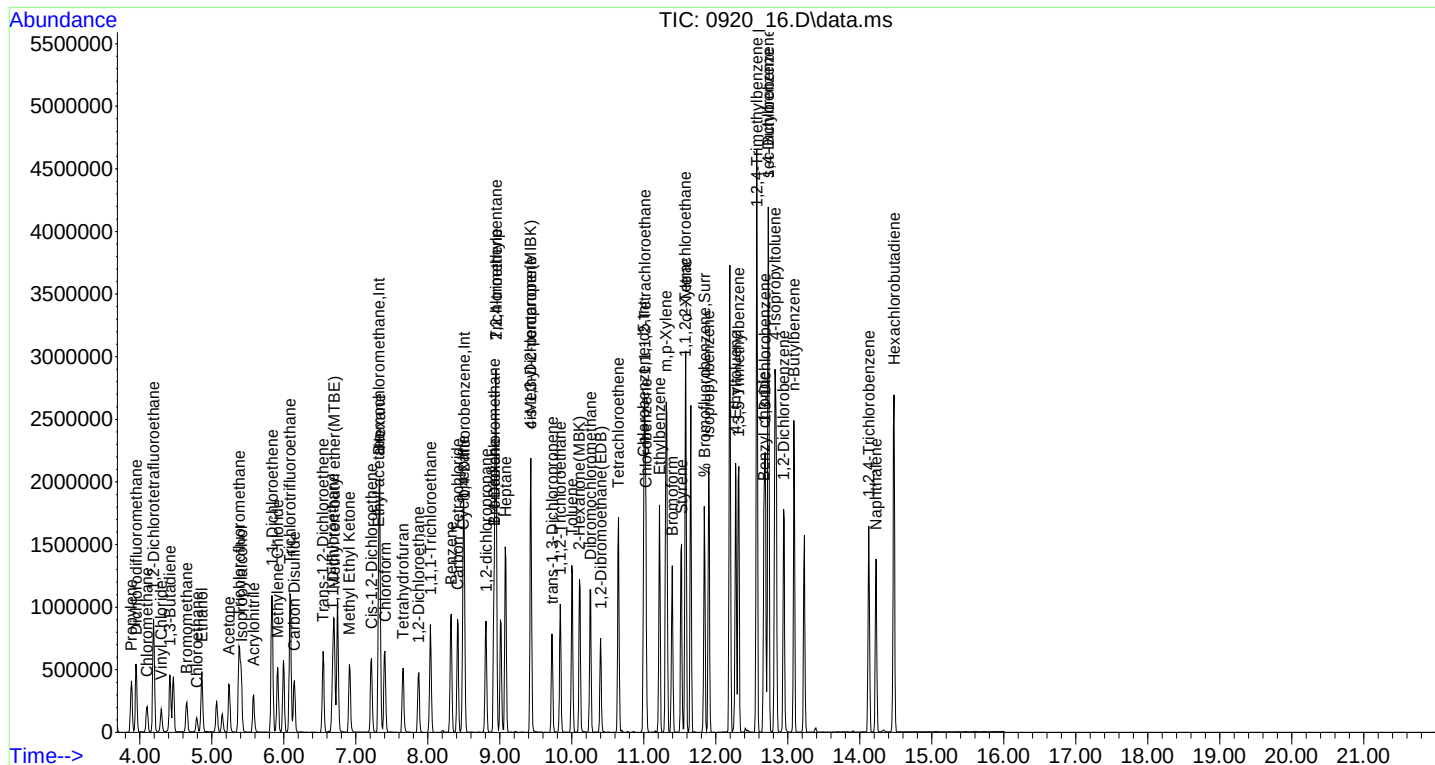
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
114] 1,2-Dichlorobenzene(sim)	12.945	146	632758	9.994	ppbv	99
115] n-Butylbenzene(sim)	13.087	91	1113500	10.063	ppbv	96
116] 1,2,4-Trichlorobenzene...	14.130	180	456690	11.573	ppbv	98
118] Hexachlorobutadiene(sim)	14.472	225	469473	11.715	ppbv	99

(#)out of range (m>manual integration reviewed by analyst (+)signals summed

(QT Reviewed)

Data Path : H:\AIR2025\CHEM39\09SEP\20\
Data File : 0920_16.D
Acq On : 20 Sep 2025 6:38 pm
Operator :
Client ID : ICV_CHEM39_0920
Lab ID : 10 ppbv LCS
ALS Vial : 27 Sample Multiplier: 1

Quant Time: Sep 23 14:46:00 2025
Quant Title :
QLast Update : Tue Sep 23 14:45:11 2025
Response via : Initial Calibration



7A
AIR CONTINUING CALIBRATION CHECK

Lab Name: Phoenix Environmental Labs Client: FPMGROUP

Lab Code: Phoenix Case No.: SAS No.: SDG No.: GCU37304

Instrument: CHEM20 Calibration Date: 09/29/25 Time: 14:14

Lab File Id: 0929_02.D Init. Calib. Date(s): 09/09/25 09/09/25

Heated Purge (Y/N): Y Init. Calib. Times: 13:10 19:56

GC Column: RTX-1 60M Method File: 20_AIR_0909.M

COMPOUND	RRF	RRF1	RRF MIN	%D	% D LIMITS
Propylene	0.906	0.834		7.9	30
Dichlorodifluoromethane	2.754	2.745		0.3	30
Chloromethane	0.915	0.913		0.2	30
1,2-Dichlorotetrafluoroethane	2.576	2.590		-0.5	30
Vinyl Chloride	0.920	0.892		3.0	30
1,3-Butadiene	0.700	0.727		-3.9	30
Bromomethane	0.943	0.959		-1.7	30
Chloroethane	0.403	0.410		-1.7	30
Ethanol	0.310	0.314		-1.3	30
Acetone	1.846	1.790		3.0	30
Trichlorofluoromethane	2.796	2.729		2.4	30
Isopropylalcohol	1.866	1.792		4.0	30
Acrylonitrile	0.591	0.534		9.6	30
1,1-Dichloroethene	1.641	1.642		-0.1	30
Methylene Chloride	1.319	1.318		0.1	30
Carbon Disulfide	2.475	2.516		-1.7	30
Trichlorotrifluoroethane	2.034	2.048		-0.7	30
Trans-1,2-Dichloroethene	1.420	1.464		-3.1	30
1,1-Dichloroethane	1.764	1.825		-3.5	30
Methyl tert-butyl ether(MTBE)	2.199	1.918		12.8	30
Methyl Ethyl Ketone	2.127	2.050		3.6	30
Cis-1,2-Dichloroethene	1.348	1.247		7.5	30
Hexane	1.326	1.108		16.4	30
Chloroform	2.078	2.109		-1.5	30
Ethyl acetate	0.308	0.310		-0.6	30
Tetrahydrofuran	1.056	0.889		15.8	30
1,2-Dichloroethane	1.437	1.355		5.7	30
1,1,1-Trichloroethane	2.251	2.173		3.5	30
Benzene	2.767	2.581		6.7	30
Carbon Tetrachloride	2.534	2.554		-0.8	30
Cyclohexane	1.115	0.952		14.6	30
1,2-dichloropropane	0.342	0.356		-4.1	30
Bromodichloromethane	0.650	0.689		-6.0	30
Trichloroethene	0.418	0.434		-3.8	30
2,2,4-trimethylpentane	1.247	1.179		5.5	30

(*) Recommended RRF not met (+) %D exceeds criteria % (#) %D exceeds (maximum) criteria

%D: 20% of target compounds are allowed to be above criteria %, but must be less than the (maximum) %D

(#) Maximum %D not met.

7B
AIR CONTINUING CALIBRATION CHECK

Lab Name: Phoenix Environmental Labs Client: FPMGROUP

Lab Code: Phoenix Case No.: SAS No.: SDG No.: GCU37304

Instrument: CHEM20 Calibration Date: 09/29/25 Time: 14:14

Lab File Id: 0929_02.D Init. Calib. Date(s): 09/09/25 09/09/25

Heated Purge (Y/N): Y Init. Calib. Times: 13:10 19:56

GC Column: RTX-1 60M Method File: 20_AIR_0909.M

COMPOUND	RRF	RRF1	RRF MIN	%D	% D LIMITS
1,4-Dioxane	0.168	0.156		7.1	30
Heptane	0.533	0.523		1.9	30
cis-1,3-Dichloropropene	0.487	0.459		5.7	30
4-Methyl-2-pentanone(MIBK)	0.747	0.696		6.8	30
trans-1,3-Dichloropropene	0.388	0.363		6.4	30
1,1,2-Trichloroethane	0.375	0.380		-1.3	30
Toluene	1.015	0.910		10.3	30
Dibromochloromethane	0.791	0.822		-3.9	30
2-Hexanone(MBK)	0.694	0.637		8.2	30
1,2-Dibromoethane(EDB)	0.626	0.631		-0.8	30
Tetrachloroethene	0.699	0.693		0.9	30
1,1,1,2-Tetrachloroethane	1.018	1.121		-10.1	30
Chlorobenzene	1.705	1.888		-10.7	30
Ethylbenzene	2.477	2.300		7.1	30
m,p-Xylene	1.898	1.514		20.2	30
Bromoform	1.872	2.027		-8.3	30
Styrene	1.452	1.305		10.1	30
1,1,2,2-Tetrachloroethane	1.560	1.751		-12.2	30
o-Xylene	1.989	1.935		2.7	30
Isopropylbenzene	3.021	3.127		-3.5	30
4-Ethyltoluene	2.908	2.802		3.6	30
1,3,5-Trimethylbenzene	2.399	2.434		-1.5	30
1,2,4-Trimethylbenzene	2.422	2.301		5.0	30
Benzyl chloride	1.846	1.849		-0.2	30
1,3-Dichlorobenzene	2.037	2.126		-4.4	30
1,4-Dichlorobenzene	1.854	2.016		-8.7	30
sec-Butylbenzene	3.616	3.759		-4.0	30
4-Isopropyltoluene	3.388	3.444		-1.7	30
1,2-Dichlorobenzene	1.866	1.905		-2.1	30
n-Butylbenzene	2.924	2.820		3.6	30
1,2,4-Trichlorobenzene	1.396	1.226		12.2	30
Naphthalene	2.211	1.765		20.2	30
Hexachlorobutadiene	1.823	1.849		-1.4	30
1,2-Dichlorotetrafluoroethane(sim)	2.462	2.319		5.8	30
Vinyl Chloride(sim)	1.064	0.905		14.9	30

(*) Recommended RRF not met (+) %D exceeds criteria % (#) %D exceeds (maximum) criteria

%D: 20% of target compounds are allowed to be above criteria %, but must be less than the (maximum) %D

(#) Maximum %D not met.

7B
AIR CONTINUING CALIBRATION CHECK

Lab Name: Phoenix Environmental Labs Client: FPMGROUP

Lab Code: Phoenix Case No.: SAS No.: SDG No.: GCU37304

Instrument: CHEM20 Calibration Date: 09/29/25 Time: 14:14

Lab File Id: 0929_02.D Init. Calib. Date(s): 09/09/25 09/09/25

Heated Purge (Y/N): Y Init. Calib. Times: 13:10 19:56

GC Column: RTX-1 60M Method File: 20_AIR_0909.M

COMPOUND	RRF	RRF1	RRF MIN	%D	% D LIMITS
Bromomethane(sim)	1.038	0.859		17.2	30
Trichlorofluoromethane(sim)	3.237	2.753		15.0	30
1,2-Dichloroethane(sim)	1.542	1.214		21.3	30
1,1,1-Trichloroethane(sim)	2.574	2.284		11.3	30
Benzene(sim)	2.650	2.312		12.8	30
Carbon Tetrachloride(sim)	2.829	2.535		10.4	30
1,1-Dichloroethene(sim)	1.761	1.471		16.5	30
Trichlorotrifluoroethane(sim)	2.493	2.053		17.6	30
Trans-1,2-Dichloroethene(sim)	1.356	1.311		3.3	30
1,1-Dichloroethane(sim)	2.033	1.792		11.9	30
Cis-1,2-Dichloroethene(sim)	1.436	1.117		22.2	30
Chloroform(sim)	2.292	2.087		8.9	30
1,2-dichloropropane(sim)	0.419	0.391		6.7	30
Bromodichloromethane(sim)	0.723	0.689		4.7	30
Trichloroethene(sim)	0.535	0.488		8.8	30
1,4-Dioxane(sim)	0.162	0.156		3.7	30
cis-1,3-Dichloropropene(sim)	0.583	0.510		12.5	30
1,1,2-Trichloroethane(sim)	0.446	0.380		14.8	30
Dibromochloromethane(sim)	0.992	0.916		7.7	30
1,2-Dibromoethane(EDB)(sim)	0.718	0.632		12.0	30
Tetrachloroethene(sim)	0.889	0.805		9.4	30
Bromoform(sim)	2.424	2.299		5.2	30
m,p-Xylene(sim)	2.041	1.909		6.5	30
1,1,2,2-Tetrachloroethane(sim)	2.132	1.930		9.5	30
Benzyl chloride(sim)	1.728	1.849		-7.0	30
1,3-Dichlorobenzene(sim)	2.509	2.486		0.9	30
1,4-Dichlorobenzene(sim)	1.973	2.016		-2.2	30
sec-Butylbenzene(sim)	4.069	4.115		-1.1	30
4-Isopropyltoluene(sim)	3.397	3.444		-1.4	30
1,2-Dichlorobenzene(sim)	2.292	2.244		2.1	30
n-Butylbenzene(sim)	2.857	2.820		1.3	30
1,2,4-Trichlorobenzene(sim)	1.498	1.434		4.3	30
Hexachlorobutadiene(sim)	2.688	2.262		15.8	30
% Bromofluorobenzene	1.319	1.394		-5.7	30

(*) Recommended RRF not met (+) %D exceeds criteria % (#) %D exceeds (maximum) criteria
%D: 20% of target compounds are allowed to be above criteria %, but must be less than the (maximum) %D
(#) Maximum %D not met.

Evaluate Continuing Calibration Report

Data Path : H:\AIR2025\CHEM20\09SEP\29\
 Data File : 0929_02.D
 Acq On : 29 Sep 2025 2:14 pm
 Operator :
 Client ID : BFB TUNE - CCAL 1
 Lab ID : 1ppb ccal; T01516A - 1ppb ccal; T01516A
 ALS Vial : 28 Sample Multiplier: 1

Quant Time: Sep 29 15:25:11 2025
 Quant Method : H:\AIR2025\CHEM20\Methods\20_AIR_0909.M
 Quant Title : VOA Standards for 5 point calibration
 QLast Update : Wed Sep 10 12:52:46 2025
 Response via : Initial Calibration

Note: Curves (l,lf,q,qf) display calculated concentration.
 Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.20min
 Max. RRF Dev : 30% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%
1 Int	Bromochloromethane	1.000	1.000	0.0	112
2	Propylene	0.906	0.834	7.9	
3	Dichlorodifluoromethane	2.754	2.745	0.3	
4	Chloromethane	0.915	0.913	0.2	
5	1,2-Dichlorotetrafluoroetha	2.576	2.590	-0.5	
6	Vinyl Chloride	0.920	0.892	3.0	
7	1,3-Butadiene	0.700	0.727	-3.9	
8	Bromomethane	0.943	0.959	-1.7	
9	Chloroethane	0.403	0.410	-1.7	
11	Ethanol	0.310	0.314	-1.3	
12	Acetone	1.846	1.790	3.0	
13	Trichlorofluoromethane	2.796	2.729	2.4	
14	Isopropylalcohol	1.866	1.792	4.0	
15	Acrylonitrile	0.591	0.534	9.6	
16	1,1-Dichloroethene	1.641	1.642	-0.1	
17	Methylene Chloride	1.319	1.318	0.1	
20	Carbon Disulfide	2.475	2.516	-1.7	
21	Trichlorotrifluoroethane	2.034	2.048	-0.7	
22	Trans-1,2-Dichloroethene	1.420	1.464	-3.1	
23	1,1-Dichloroethane	1.764	1.825	-3.5	
24	Methyl tert-butyl ether(MTB)	2.199	1.918	12.8	
25	Methyl Ethyl Ketone	2.127	2.050	3.6	
26	Cis-1,2-Dichloroethene	1.348	1.247	7.5	
27	Hexane	1.326	1.108	16.4	
28	Chloroform	2.078	2.109	-1.5	
29	Ethyl acetate	0.308	0.310	-0.6	
30	Tetrahydrofuran	1.056	0.889	15.8	
31	1,2-Dichloroethane	1.437	1.355	5.7	
32	1,1,1-Trichloroethane	2.251	2.173	3.5	
33	Benzene	2.767	2.581	6.7	
34	Carbon Tetrachloride	2.534	2.554	-0.8	
35	Cyclohexane	1.115	0.952	14.6	
36 Int	1,4-Difluorobenzene	1.000	1.000	0.0	109
37	1,2-dichloropropane	0.342	0.356	-4.1	
38	Bromodichloromethane	0.650	0.689	-6.0	
39	Trichloroethene	0.418	0.434	-3.8	
40	2,2,4-trimethylpentane	1.247	1.179	5.5	
41	1,4-Dioxane	0.168	0.156	7.1	
43	Heptane	0.533	0.523	1.9	
44	cis-1,3-Dichloropropene	0.487	0.459	5.7	
45	4-Methyl-2-pentanone(MIBK)	0.747	0.696	6.8	
46	trans-1,3-Dichloropropene	0.388	0.363	6.4	
47	1,1,2-Trichloroethane	0.375	0.380	-1.3	
48	Toluene	1.015	0.910	10.3	
49	Dibromochloromethane	0.791	0.822	-3.9	
50	2-Hexanone(MBK)	0.694	0.637	8.2	
51	1,2-Dibromoethane(EDB)	0.626	0.631	-0.8	
52	Tetrachloroethene	0.699	0.693	0.9	
53 Int	Chlorobenzene-d5	1.000	1.000	0.0	110

Evaluate Continuing Calibration Report

Data Path : H:\AIR2025\CHEM20\09SEP\29\
 Data File : 0929_02.D
 Acq On : 29 Sep 2025 2:14 pm
 Operator :
 Client ID : BFB TUNE - CCAL 1
 Lab ID : 1ppb ccal; T01516A - 1ppb ccal; T01516A
 ALS Vial : 28 Sample Multiplier: 1

Quant Time: Sep 29 15:25:11 2025
 Quant Method : H:\AIR2025\CHEM20\Methods\20_AIR_0909.M
 Quant Title : VOA Standards for 5 point calibration
 QLast Update : Wed Sep 10 12:52:46 2025
 Response via : Initial Calibration

Note: Curves (l,lf,q,qf) display calculated concentration.
 Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.20min
 Max. RRF Dev : 30% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%
54	1,1,1,2-Tetrachloroethane	1.018	1.121	-10.1	
55	Chlorobenzene	1.705	1.888	-10.7	
56	Ethylbenzene	2.477	2.300	7.1	
57	m,p-Xylene	1.898	1.514	20.2	
58	Bromoform	1.872	2.027	-8.3	
59	Styrene	1.452	1.305	10.1	
60	1,1,2,2-Tetrachloroethane	1.560	1.751	-12.2	
61	o-Xylene	1.989	1.935	2.7	
62	Surr % Bromofluorobenzene	1.319	1.394	-5.7	
64	Isopropylbenzene	3.021	3.127	-3.5	
65	4-Ethyltoluene	2.908	2.802	3.6	
66	1,3,5-Trimethylbenzene	2.399	2.434	-1.5	
67	1,2,4-Trimethylbenzene	2.422	2.301	5.0	
68	Benzyl chloride	1.846	1.849	-0.2	
69	1,3-Dichlorobenzene	2.037	2.126	-4.4	
70	1,4-Dichlorobenzene	1.854	2.016	-8.7	
71	sec-Butylbenzene	3.616	3.759	-4.0	
72	4-Isopropyltoluene	3.388	3.444	-1.7	
73	1,2-Dichlorobenzene	1.866	1.905	-2.1	
74	n-Butylbenzene	2.924	2.820	3.6	
75	1,2,4-Trichlorobenzene	1.396	1.226	12.2	
76	Naphthalene	2.211	1.765	20.2	
77	Hexachlorobutadiene	1.823	1.849	-1.4	
78	int Bromochloromethane(sim)	1.000	1.000	0.0	113
79	1,2-Dichlorotetrafluoroetha	2.462	2.319	5.8	
80	Vinyl Chloride(sim)	1.064	0.905	14.9	
81	Bromomethane(sim)	1.038	0.859	17.2	
82	Trichlorofluoromethane(sim)	3.237	2.753	15.0	
83	1,2-Dichloroethane(sim)	1.542	1.214	21.3	
84	1,1,1-Trichloroethane(sim)	2.574	2.284	11.3	
85	Benzene(sim)	2.650	2.312	12.8	
86	Carbon Tetrachloride(sim)	2.829	2.535	10.4	
87	1,1-Dichloroethene(sim)	1.761	1.471	16.5	
88	Trichlorotrifluoroethane(si	2.493	2.053	17.6	
89	Trans-1,2-Dichloroethene(si	1.356	1.311	3.3	
90	1,1-Dichloroethane(sim)	2.033	1.792	11.9	
91	Cis-1,2-Dichloroethene(sim)	1.436	1.117	22.2	
92	Chloroform(sim)	2.292	2.087	8.9	
93	int 1,4-Difluorobenzene(sim)	1.000	1.000	0.0	109
94	1,2-dichloropropane(sim)	0.419	0.391	6.7	
95	Bromodichloromethane(sim)	0.723	0.689	4.7	
96	Trichloroethene(sim)	0.535	0.488	8.8	
97	1,4-Dioxane(sim)	0.162	0.156	3.7	
98	cis-1,3-Dichloropropene(sim	0.583	0.510	12.5	
99	1,1,2-Trichloroethane(sim)	0.446	0.380	14.8	
100	Dibromochloromethane(sim)	0.992	0.916	7.7	
101	1,2-Dibromoethane(EDB)(sim)	0.718	0.632	12.0	
102	Tetrachloroethene(sim)	0.889	0.805	9.4	

Evaluate Continuing Calibration Report

Data Path : H:\AIR2025\CHEM20\09SEP\29\
 Data File : 0929_02.D
 Acq On : 29 Sep 2025 2:14 pm
 Operator :
 Client ID : BFB TUNE - CCAL 1
 Lab ID : 1ppb ccal; T01516A - 1ppb ccal; T01516A
 ALS Vial : 28 Sample Multiplier: 1

Quant Time: Sep 29 15:25:11 2025
 Quant Method : H:\AIR2025\CHEM20\Methods\20_AIR_0909.M
 Quant Title : VOA Standards for 5 point calibration
 QLast Update : Wed Sep 10 12:52:46 2025
 Response via : Initial Calibration

Note: Curves (l,lf,q,qf) display calculated concentration.
 Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.20min
 Max. RRF Dev : 30% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%
103 int	Chlorobenzene-d5(sim)	1.000	1.000	0.0	110
104	Bromoform(sim)	2.424	2.299	5.2	
105	m,p-Xylene(sim)	2.041	1.909	6.5	
106	1,1,2,2-Tetrachloroethane(s	2.132	1.930	9.5	
107	Benzyl chloride(sim)	1.728	1.849	-7.0	
108	1,3-Dichlorobenzene(sim)	2.509	2.486	0.9	
109	1,4-Dichlorobenzene(sim)	1.973	2.016	-2.2	
110	sec-Butylbenzene(sim)	4.069	4.115	-1.1	
111	4-Isopropyltoluene(sim)	3.397	3.444	-1.4	
112	1,2-Dichlorobenzene(sim)	2.292	2.244	2.1	
113	n-Butylbenzene(sim)	2.857	2.820	1.3	
114	1,2,4-Trichlorobenzene(sim)	1.498	1.434	4.3	
116	Hexachlorobutadiene(sim)	2.688	2.262	15.8	

(#)=Out of Range l=linear, lf=liner(0,0), q=quadratic, qf=quadratic(0,0)
 Laboratory Warning Limits Out = 0

Data Path : H:\AIR2025\CHEM20\09SEP\29\
 Data File : 0929_02.D
 Acq On : 29 Sep 2025 2:14 pm
 Operator :
 Client ID : BFB TUNE - CCAL 1
 Lab ID : 1ppb ccal; T01516A - 1ppb ccal; T01516A
 ALS Vial : 28 Sample Multiplier: 1

Quant Time: Sep 29 15:25:11 2025
 Quant Method : H:\AIR2025\CHEM20\Methods\20_AIR_0909.M
 Quant Title : VOA Standards for 5 point calibration
 QLast Update : Wed Sep 10 12:52:46 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	6.949	130	177667	10.000	ng	0.00
36) 1,4-Difluorobenzene	8.126	114	605671	10.000	ng	0.00
53) Chlorobenzene-d5	10.624	82	292240	10.000	ng	0.00
78) Bromochloromethane(sim)	6.952	130	198355	10.000	ng	# 0.00
93) 1,4-Difluorobenzene(sim)	8.126	114	605613	10.000	ng	0.00
103) Chlorobenzene-d5(sim)	10.624	82	292240	10.000	ng	0.00

System Monitoring Compounds

62) % Bromofluorobenzene	11.466	95	407296	10.564	ppbv	0.00
Spiked Amount	10.000	Range 70 - 130	Recovery	= 105.60%		

Target Compounds

						Qvalue
2) Propylene	3.608	41	14815	0.920	ppbv	95
3) Dichlorodifluoromethane	3.673	85	48765	0.997	ppbv	97
4) Chloromethane	3.811	50	16218	0.998	ppbv	93
5) 1,2-Dichlorotetrafluor...	3.900	85	46008	1.005	ppbv#	80
6) Vinyl Chloride	4.006	62	15841	0.969	ppbv	95
7) 1,3-Butadiene	4.119	54	12924	1.039	ppbv	98
8) Bromomethane	4.338	94	17045	1.017	ppbv#	89
9) Chloroethane	4.476	64	7285	1.018	ppbv	95
11) Ethanol	4.582	45	5580	1.014	ppbv#	39
12) Acetone	4.939	43	31810	0.970	ppbv#	82
13) Trichlorofluoromethane	5.044	101	48490	0.976	ppbv#	95
14) Isopropylalcohol	5.117	45	31833	0.960	ppbv#	95
15) Acrylonitrile	5.255	53	9487	0.903	ppbv#	1
16) 1,1-Dichloroethene	5.486	61	29171	1.001	ppbv#	89
17) Methylene Chloride	5.563	49	23413	0.999	ppbv	97
20) Carbon Disulfide	5.777	76	44708	1.017	ppbv	96
21) Trichlorotrifluoroethane	5.736	101	36381	1.007	ppbv#	86
22) Trans-1,2-Dichloroethene	6.182	61	26014	1.031	ppbv	91
23) 1,1-Dichloroethane	6.312	63	32420	1.035	ppbv	96
24) Methyl tert-butyl ethe...	6.364	73	34082	0.872	ppbv#	82
25) Methyl Ethyl Ketone	6.573	43	36429	0.964	ppbv#	93
26) Cis-1,2-Dichloroethene	6.840	61	22148	0.925	ppbv	90
27) Hexane	6.964	57	19694	0.836	ppbv#	79
28) Chloroform	7.026	83	37463	1.015	ppbv	93
29) Ethyl acetate	6.972	61	5514	1.006	ppbv	88
30) Tetrahydrofuran	7.305	42	15790	0.842	ppbv#	88
31) 1,2-Dichloroethane	7.491	62	24081	0.943	ppbv#	90
32) 1,1,1-Trichloroethane	7.646	97	38606	0.965	ppbv	96
33) Benzene	7.935	78	45852	0.933	ppbv	96
34) Carbon Tetrachloride	8.031	117	45379	1.008	ppbv	99
35) Cyclohexane	8.108	84	16917	0.854	ppbv	96
37) 1,2-dichloropropane	8.429	63	21551	1.040	ppbv#	86
38) Bromodichloromethane	8.541	83	41724	1.060	ppbv	95
39) Trichloroethene	8.567	130	26273	1.039	ppbv#	85
40) 2,2,4-trimethylpentane	8.567	57	71383	0.945	ppbv	95
41) 1,4-Dioxane	8.567	88	9431	0.928	ppbv#	89
43) Heptane	8.705	43	31660	0.981	ppbv#	91
44) cis-1,3-Dichloropropene	9.054	75	27773	0.942	ppbv	95
45) 4-Methyl-2-pentanone(M...	9.075	43	42170	0.932	ppbv#	90
46) trans-1,3-Dichloropropene	9.349	75	21975	0.935	ppbv	97
47) 1,1,2-Trichloroethane	9.462	97	23004	1.014	ppbv	97
48) Toluene	9.624	91	55107	0.896	ppbv	99

Data Path : H:\AIR2025\CHEM20\09SEP\29\
 Data File : 0929_02.D
 Acq On : 29 Sep 2025 2:14 pm
 Operator :
 Client ID : BFB TUNE - CCAL 1
 Lab ID : 1ppb ccal; T01516A - 1ppb ccal; T01516A
 ALS Vial : 28 Sample Multiplier: 1

Quant Time: Sep 29 15:25:11 2025
 Quant Method : H:\AIR2025\CHEM20\Methods\20_AIR_0909.M
 Quant Title : VOA Standards for 5 point calibration
 QLast Update : Wed Sep 10 12:52:46 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
49) Dibromochloromethane	9.877	129	49788	1.040	ppbv	98
50) 2-Hexanone(MBK)	9.751	43	38601	0.918	ppbv#	51
51) 1,2-Dibromoethane(EDB)	10.018	107	38248	1.008	ppbv	98
52) Tetrachloroethene	10.271	166	41952	0.991	ppbv#	87
54) 1,1,1,2-Tetrachloroethane	10.632	131	32747	1.101	ppbv#	88
55) Chlorobenzene	10.647	112	55185	1.108	ppbv	89
56) Ethylbenzene	10.844	91	67210	0.928	ppbv	85
57) m, p-Xylene	10.935	91	110633	1.995	ppbv	100
58) Bromoform	11.011	173	59250	1.083	ppbv	99
59) Styrene	11.140	104	38147	0.899	ppbv#	66
60) 1,1,2,2-Tetrachloroethane	11.201	83	51173	1.123	ppbv	92
61) o-Xylene	11.201	91	56535	0.972	ppbv#	85
64) Isopropylbenzene	11.527	105	91394	1.035	ppbv#	93
65) 4-Ethyltoluene	11.899	105	81891	0.964	ppbv	91
66) 1,3,5-Trimethylbenzene	11.944	105	71136	1.015	ppbv#	91
67) 1,2,4-Trimethylbenzene	12.195	105	67236	0.950	ppbv	92
68) Benzyl chloride	12.286	91	54038	1.002	ppbv	94
69) 1,3-Dichlorobenzene	12.309	146	62123	1.043	ppbv#	87
70) 1,4-Dichlorobenzene	12.347	146	58916	1.088	ppbv	100
71) sec-Butylbenzene	12.354	105	109867	1.040	ppbv#	91
72) 4-Isopropyltoluene	12.445	119	100661	1.017	ppbv	100
73) 1,2-Dichlorobenzene	12.559	146	55679	1.021	ppbv#	91
74) n-Butylbenzene	12.711	91	82411	0.964	ppbv	96
75) 1,2,4-Trichlorobenzene	13.706	180	35842	0.878	ppbv	96
76) Naphthalene	13.797	128	51574	0.798	ppbv#	95
77) Hexachlorobutadiene	14.040	225	54029	1.014	ppbv	99
79] 1,2-Dichlorotetrafluor...	3.900	85	46008	0.942	ppbv#	80
80] Vinyl Chloride(sim)	4.001	62	17944	0.850	ppbv	100
81] Bromomethane(sim)	4.338	94	17045	0.828	ppbv#	90
82] Trichlorofluoromethane...	5.047	101	54599	0.850	ppbv#	97
83] 1,2-Dichloroethane(sim)	7.491	62	24081	0.787	ppbv#	13
84] 1,1,1-Trichloroethane(...	7.649	97	45313	0.887	ppbv#	95
85] Benzene(sim)	7.935	78	45852	0.872	ppbv	96
86] Carbon Tetrachloride(sim)	8.025	117	50280	0.896	ppbv	100
87] 1,1-Dichloroethene(sim)	5.486	61	29171	0.835	ppbv#	89
88] Trichlorotrifluoroetha...	5.739	101	40713	0.823	ppbv#	93
89] Trans-1,2-Dichloroethe...	6.182	61	26014	0.967	ppbv	91
90] 1,1-Dichloroethane(sim)	6.315	63	35554	0.882	ppbv	99
91] Cis-1,2-Dichloroethene...	6.840	61	22148	0.778	ppbv	90
92] Chloroform(sim)	7.029	83	41401	0.831	ppbv	97
94] 1,2-dichloropropane(sim)	8.423	63	23670	0.933	ppbv#	86
95] Bromodichloromethane(sim)	8.541	83	41724	0.953	ppbv	95
96] Trichloroethene(sim)	8.561	130	29528	0.911	ppbv	91
97] 1,4-Dioxane(sim)	8.567	88	9431	0.961	ppbv#	89
98] cis-1,3-Dichloropropen...	9.057	75	30876	0.874	ppbv	97
99] 1,1,2-Trichloroethane(...	9.462	97	23004	0.853	ppbv	97
100] Dibromochloromethane(sim)	9.880	129	55487	0.923	ppbv	100
101] 1,2-Dibromoethane(EDB)...	10.018	107	38248	0.879	ppbv	97
102] Tetrachloroethene(sim)	10.267	166	48727	0.905	ppbv	95
104] Bromoform(sim)	11.014	173	67176	0.948	ppbv	98
105] m, p-Xylene(sim)	10.935	91	111566	1.871	ppbv#	89
106] 1,1,2,2-Tetrachloroeth...	11.204	83	56399	0.905	ppbv	97
107] Benzyl chloride(sim)	12.286	91	54038	1.070	ppbv	95
108] 1,3-Dichlorobenzene(sim)	12.304	146	72651	0.991	ppbv#	92
109] 1,4-Dichlorobenzene(sim)	12.347	146	58916	1.022	ppbv	87

Data Path : H:\AIR2025\CHEM20\09SEP\29\
Data File : 0929_02.D
Acq On : 29 Sep 2025 2:14 pm
Operator :
Client ID : BFB TUNE - CCAL 1
Lab ID : 1ppb ccal; T01516A - 1ppb ccal; T01516A
ALS Vial : 28 Sample Multiplier: 1

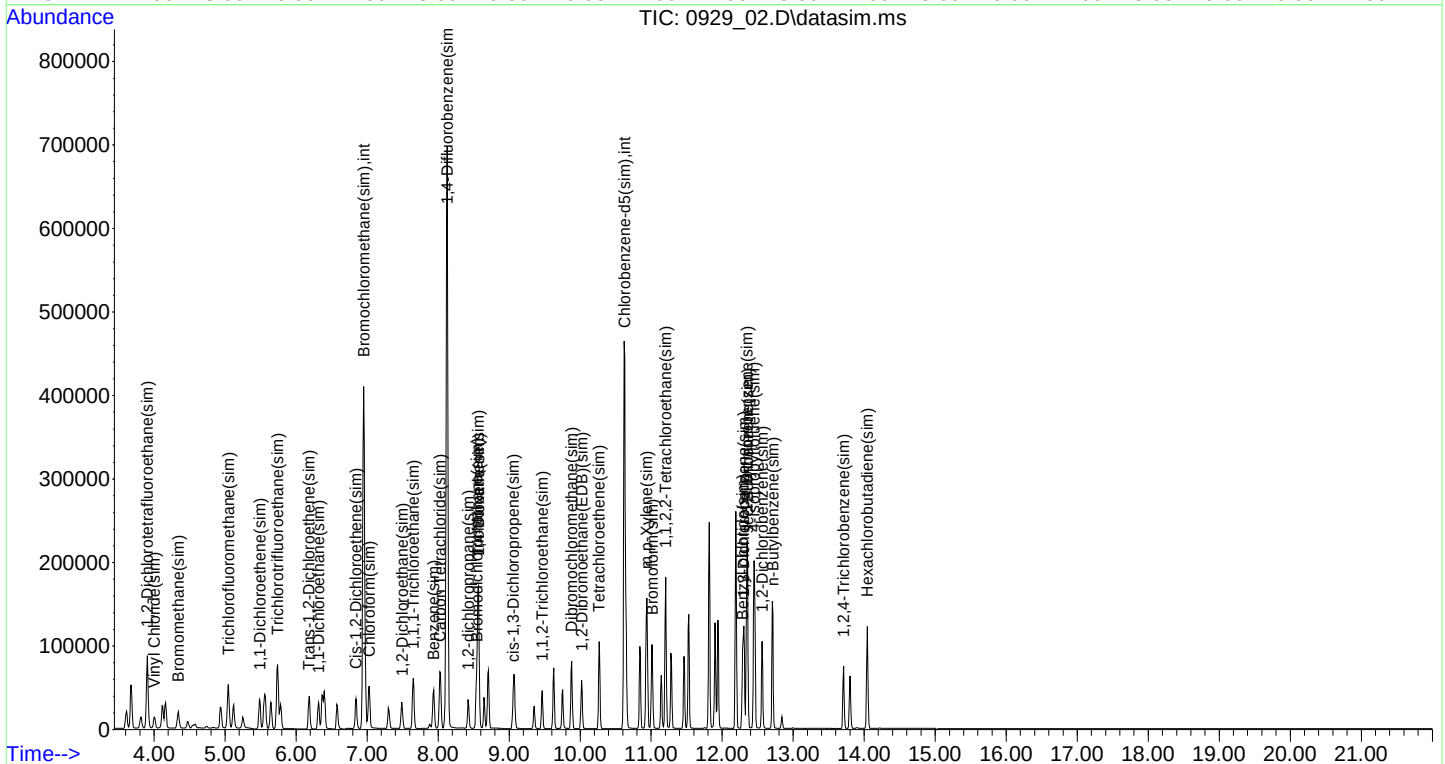
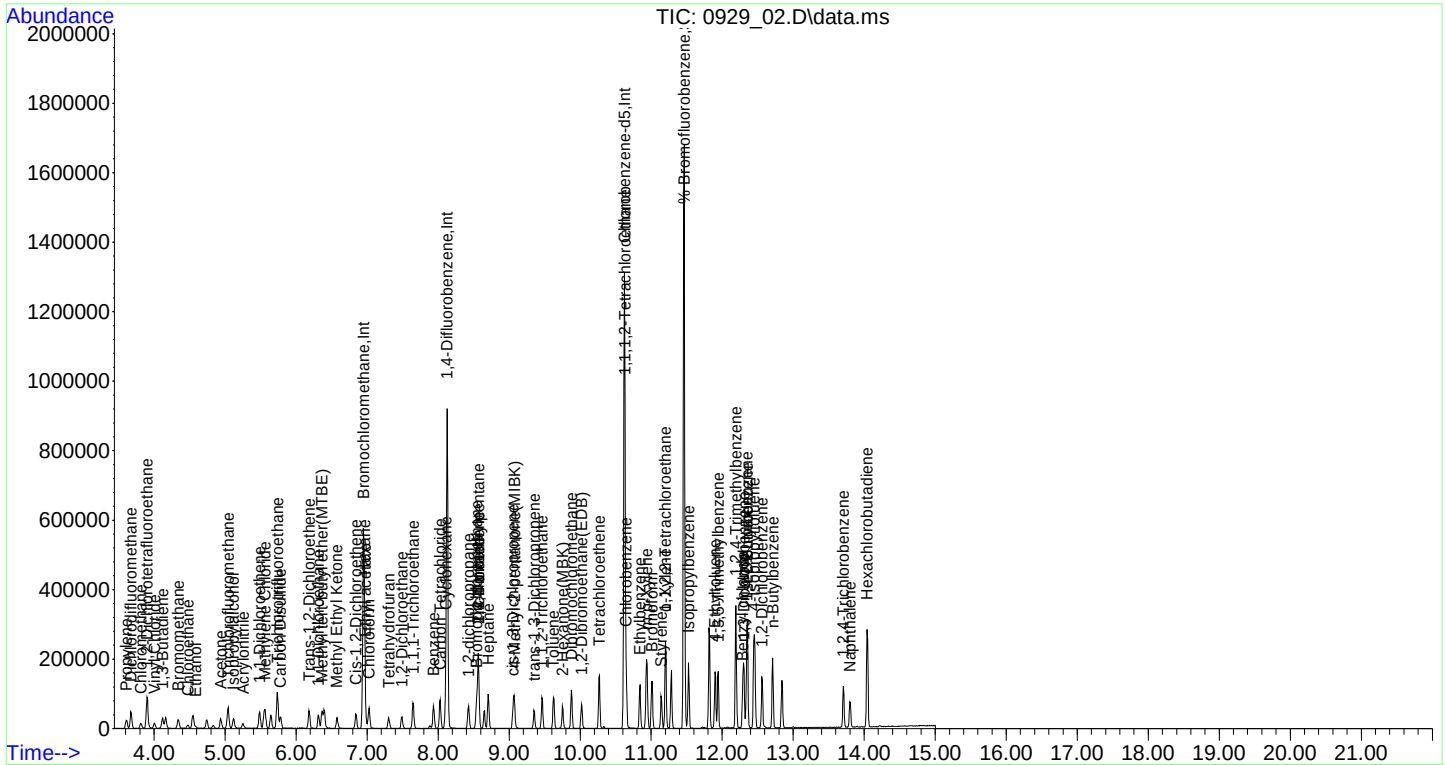
Quant Time: Sep 29 15:25:11 2025
Quant Method : H:\AIR2025\CHEM20\Methods\20_AIR_0909.M
Quant Title : VOA Standards for 5 point calibration
QLast Update : Wed Sep 10 12:52:46 2025
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
110]	sec-Butylbenzene(sim)	12.357	105	120245	1.011	ppbv	96
111]	4-Isopropyltoluene(sim)	12.445	119	100661	1.014	ppbv#	85
112]	1,2-Dichlorobenzene(sim)	12.562	146	65589	0.979	ppbv	92
113]	n-Butylbenzene(sim)	12.711	91	82411	0.987	ppbv	96
114]	1,2,4-Trichlorobenzene...	13.709	180	41914	0.958	ppbv	97
116]	Hexachlorobutadiene(sim)	14.043	225	66110	0.842	ppbv	98

(#)out of range (m>manual integration reviewed by analyst (+)signals summed

Data Path : H:\AIR2025\CHEM20\09SEP\29\
Data File : 0929_02.D
Acq On : 29 Sep 2025 2:14 pm
Operator :
Client ID : BFB TUNE - CCAL 1
Lab ID : 1ppb ccal; T01516A - 1ppb ccal; T01516A
ALS Vial : 28 Sample Multiplier: 1

Quant Time: Sep 29 15:25:11 2025
Quant Method : H:\AIR2025\CHEM20\Methods\20_AIR_0909.M
Quant Title : VOA Standards for 5 point calibration
QLast Update : Wed Sep 10 12:52:46 2025
Response via : Initial Calibration



7A
AIR CONTINUING CALIBRATION CHECK

Lab Name: Phoenix Environmental Labs Client: FPMGROUP

Lab Code: Phoenix Case No.: SAS No.: SDG No.: GCU37304

Instrument: CHEM20 Calibration Date: 09/30/25 Time: 12:36

Lab File Id: 0930_01.D Init. Calib. Date(s): 09/09/25 09/09/25

Heated Purge (Y/N): Y Init. Calib. Times: 13:10 19:56

GC Column: RTX-1 60M Method File: 20_AIR_0909.M

COMPOUND	RRF	RRF1	RRF MIN	%D	% D LIMITS
Propylene	0.906	0.818		9.7	30
Dichlorodifluoromethane	2.754	2.717		1.3	30
Chloromethane	0.915	0.906		1.0	30
1,2-Dichlorotetrafluoroethane	2.576	2.496		3.1	30
Vinyl Chloride	0.920	0.941		-2.3	30
1,3-Butadiene	0.700	0.663		5.3	30
Bromomethane	0.943	0.911		3.4	30
Chloroethane	0.403	0.384		4.7	30
Ethanol	0.310	0.276		11.0	30
Acetone	1.846	1.675		9.3	30
Trichlorofluoromethane	2.796	2.634		5.8	30
Isopropylalcohol	1.866	1.736		7.0	30
Acrylonitrile	0.591	0.533		9.8	30
1,1-Dichloroethene	1.641	1.583		3.5	30
Methylene Chloride	1.319	1.343		-1.8	30
Carbon Disulfide	2.475	2.626		-6.1	30
Trichlorotrifluoroethane	2.034	2.209		-8.6	30
Trans-1,2-Dichloroethene	1.420	1.320		7.0	30
1,1-Dichloroethane	1.764	1.805		-2.3	30
Methyl tert-butyl ether(MTBE)	2.199	1.864		15.2	30
Methyl Ethyl Ketone	2.127	1.963		7.7	30
Cis-1,2-Dichloroethene	1.348	1.268		5.9	30
Hexane	1.326	1.111		16.2	30
Chloroform	2.078	2.069		0.4	30
Ethyl acetate	0.308	0.309		-0.3	30
Tetrahydrofuran	1.056	0.908		14.0	30
1,2-Dichloroethane	1.437	1.378		4.1	30
1,1,1-Trichloroethane	2.251	2.125		5.6	30
Benzene	2.767	2.581		6.7	30
Carbon Tetrachloride	2.534	2.540		-0.2	30
Cyclohexane	1.115	0.994		10.9	30
1,2-dichloropropane	0.342	0.359		-5.0	30
Bromodichloromethane	0.650	0.670		-3.1	30
Trichloroethene	0.418	0.423		-1.2	30
2,2,4-trimethylpentane	1.247	1.175		5.8	30

(*) Recommended RRF not met (+) %D exceeds criteria % (#) %D exceeds (maximum) criteria

%D: 20% of target compounds are allowed to be above criteria %, but must be less than the (maximum) %D

(#) Maximum %D not met.

7B
AIR CONTINUING CALIBRATION CHECK

Lab Name: Phoenix Environmental Labs Client: FPMGROUP

Lab Code: Phoenix Case No.: SAS No.: SDG No.: GCU37304

Instrument: CHEM20 Calibration Date: 09/30/25 Time: 12:36

Lab File Id: 0930_01.D Init. Calib. Date(s): 09/09/25 09/09/25

Heated Purge (Y/N): Y Init. Calib. Times: 13:10 19:56

GC Column: RTX-1 60M Method File: 20_AIR_0909.M

COMPOUND	RRF	RRF1	RRF MIN	%D	% D LIMITS
1,4-Dioxane	0.168	0.148		11.9	30
Heptane	0.533	0.513		3.8	30
cis-1,3-Dichloropropene	0.487	0.455		6.6	30
4-Methyl-2-pentanone(MIBK)	0.747	0.696		6.8	30
trans-1,3-Dichloropropene	0.388	0.346		10.8	30
1,1,2-Trichloroethane	0.375	0.377		-0.5	30
Toluene	1.015	0.934		8.0	30
Dibromochloromethane	0.791	0.792		-0.1	30
2-Hexanone(MBK)	0.694	0.630		9.2	30
1,2-Dibromoethane(EDB)	0.626	0.620		1.0	30
Tetrachloroethene	0.699	0.687		1.7	30
1,1,1,2-Tetrachloroethane	1.018	1.105		-8.5	30
Chlorobenzene	1.705	1.808		-6.0	30
Ethylbenzene	2.477	2.305		6.9	30
m,p-Xylene	1.898	1.522		19.8	30
Bromoform	1.872	1.973		-5.4	30
Styrene	1.452	1.312		9.6	30
1,1,2,2-Tetrachloroethane	1.560	1.752		-12.3	30
o-Xylene	1.989	1.951		1.9	30
Isopropylbenzene	3.021	3.075		-1.8	30
4-Ethyltoluene	2.908	2.841		2.3	30
1,3,5-Trimethylbenzene	2.399	2.396		0.1	30
1,2,4-Trimethylbenzene	2.422	2.300		5.0	30
Benzyl chloride	1.846	1.717		7.0	30
1,3-Dichlorobenzene	2.037	2.060		-1.1	30
1,4-Dichlorobenzene	1.854	1.952		-5.3	30
sec-Butylbenzene	3.616	3.714		-2.7	30
4-Isopropyltoluene	3.388	3.399		-0.3	30
1,2-Dichlorobenzene	1.866	1.851		0.8	30
n-Butylbenzene	2.924	2.765		5.4	30
1,2,4-Trichlorobenzene	1.396	1.136		18.6	30
Naphthalene	2.211	1.725		22.0	30
Hexachlorobutadiene	1.823	1.812		0.6	30
1,2-Dichlorotetrafluoroethane(sim)	2.462	2.250		8.6	30
Vinyl Chloride(sim)	1.064	0.887		16.6	30

(*) Recommended RRF not met (+) %D exceeds criteria % (#) %D exceeds (maximum) criteria

%D: 20% of target compounds are allowed to be above criteria %, but must be less than the (maximum) %D

(#) Maximum %D not met.

7B
AIR CONTINUING CALIBRATION CHECK

Lab Name: Phoenix Environmental Labs Client: FPMGROUP

Lab Code: Phoenix Case No.: SAS No.: SDG No.: GCU37304

Instrument: CHEM20 Calibration Date: 09/30/25 Time: 12:36

Lab File Id: 0930_01.D Init. Calib. Date(s): 09/09/25 09/09/25

Heated Purge (Y/N): Y Init. Calib. Times: 13:10 19:56

GC Column: RTX-1 60M Method File: 20_AIR_0909.M

COMPOUND	RRF	RRF1	RRF MIN	%D	% D LIMITS
Bromomethane(sim)	1.038	0.821		20.9	30
Trichlorofluoromethane(sim)	3.237	2.668		17.6	30
1,2-Dichloroethane(sim)	1.542	1.242		19.5	30
1,1,1-Trichloroethane(sim)	2.574	2.182		15.2	30
Benzene(sim)	2.650	2.326		12.2	30
Carbon Tetrachloride(sim)	2.829	2.443		13.6	30
1,1-Dichloroethene(sim)	1.761	1.427		19.0	30
Trichlorotrifluoroethane(sim)	2.493	2.180		12.6	30
Trans-1,2-Dichloroethene(sim)	1.356	1.190		12.2	30
1,1-Dichloroethane(sim)	2.033	1.747		14.1	30
Cis-1,2-Dichloroethene(sim)	1.436	1.143		20.4	30
Chloroform(sim)	2.292	2.055		10.3	30
1,2-dichloropropane(sim)	0.419	0.385		8.1	30
Bromodichloromethane(sim)	0.723	0.670		7.3	30
Trichloroethene(sim)	0.535	0.480		10.3	30
1,4-Dioxane(sim)	0.162	0.148		8.6	30
cis-1,3-Dichloropropene(sim)	0.583	0.503		13.7	30
1,1,2-Trichloroethane(sim)	0.446	0.377		15.5	30
Dibromochloromethane(sim)	0.992	0.889		10.4	30
1,2-Dibromoethane(EDB)(sim)	0.718	0.620		13.6	30
Tetrachloroethene(sim)	0.889	0.786		11.6	30
Bromoform(sim)	2.424	2.222		8.3	30
m,p-Xylene(sim)	2.041	1.915		6.2	30
1,1,2,2-Tetrachloroethane(sim)	2.132	1.889		11.4	30
Benzyl chloride(sim)	1.728	1.717		0.6	30
1,3-Dichlorobenzene(sim)	2.509	2.479		1.2	30
1,4-Dichlorobenzene(sim)	1.973	1.952		1.1	30
sec-Butylbenzene(sim)	4.069	4.102		-0.8	30
4-Isopropyltoluene(sim)	3.397	3.401		-0.1	30
1,2-Dichlorobenzene(sim)	2.292	2.197		4.1	30
n-Butylbenzene(sim)	2.857	2.765		3.2	30
1,2,4-Trichlorobenzene(sim)	1.498	1.373		8.3	30
Hexachlorobutadiene(sim)	2.688	2.190		18.5	30
% Bromofluorobenzene	1.319	1.408		-6.7	30

(*) Recommended RRF not met (+) %D exceeds criteria % (#) %D exceeds (maximum) criteria
%D: 20% of target compounds are allowed to be above criteria %, but must be less than the (maximum) %D
(#) Maximum %D not met.

Evaluate Continuing Calibration Report

Data Path : H:\AIR2025\CHEM20\09SEP\29\
 Data File : 0930_01.D
 Acq On : 30 Sep 2025 12:36 pm
 Operator :
 Client ID : BFB TUNE - CCAL 1 / CC1
 Lab ID : 1ppb ccal; T01516A - 1ppb ccal; T01516A
 ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 30 13:47:41 2025
 Quant Method : H:\AIR2025\CHEM20\Methods\20_AIR_0909.M
 Quant Title : VOA Standards for 5 point calibration
 QLast Update : Wed Sep 10 12:52:46 2025
 Response via : Initial Calibration

Note: Curves (l,lf,q,qf) display calculated concentration.
 Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.20min
 Max. RRF Dev : 30% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%
1 Int	Bromochloromethane	1.000	1.000	0.0	111
2	Propylene	0.906	0.818	9.7	
3	Dichlorodifluoromethane	2.754	2.717	1.3	
4	Chloromethane	0.915	0.906	1.0	
5	1,2-Dichlorotetrafluoroetha	2.576	2.496	3.1	
6	Vinyl Chloride	0.920	0.941	-2.3	
7	1,3-Butadiene	0.700	0.663	5.3	
8	Bromomethane	0.943	0.911	3.4	
9	Chloroethane	0.403	0.384	4.7	
11	Ethanol	0.310	0.276	11.0	
12	Acetone	1.846	1.675	9.3	
13	Trichlorofluoromethane	2.796	2.634	5.8	
14	Isopropylalcohol	1.866	1.736	7.0	
15	Acrylonitrile	0.591	0.533	9.8	
16	1,1-Dichloroethene	1.641	1.583	3.5	
17	Methylene Chloride	1.319	1.343	-1.8	
20	Carbon Disulfide	2.475	2.626	-6.1	
21	Trichlorotrifluoroethane	2.034	2.209	-8.6	
22	Trans-1,2-Dichloroethene	1.420	1.320	7.0	
23	1,1-Dichloroethane	1.764	1.805	-2.3	
24	Methyl tert-butyl ether(MTB)	2.199	1.864	15.2	
25	Methyl Ethyl Ketone	2.127	1.963	7.7	
26	Cis-1,2-Dichloroethene	1.348	1.268	5.9	
27	Hexane	1.326	1.111	16.2	
28	Chloroform	2.078	2.069	0.4	
29	Ethyl acetate	0.308	0.309	-0.3	
30	Tetrahydrofuran	1.056	0.908	14.0	
31	1,2-Dichloroethane	1.437	1.378	4.1	
32	1,1,1-Trichloroethane	2.251	2.125	5.6	
33	Benzene	2.767	2.581	6.7	
34	Carbon Tetrachloride	2.534	2.540	-0.2	
35	Cyclohexane	1.115	0.994	10.9	
36 Int	1,4-Difluorobenzene	1.000	1.000	0.0	108
37	1,2-dichloropropane	0.342	0.359	-5.0	
38	Bromodichloromethane	0.650	0.670	-3.1	
39	Trichloroethene	0.418	0.423	-1.2	
40	2,2,4-trimethylpentane	1.247	1.175	5.8	
41	1,4-Dioxane	0.168	0.148	11.9	
43	Heptane	0.533	0.513	3.8	
44	cis-1,3-Dichloropropene	0.487	0.455	6.6	
45	4-Methyl-2-pentanone(MIBK)	0.747	0.696	6.8	
46	trans-1,3-Dichloropropene	0.388	0.346	10.8	
47	1,1,2-Trichloroethane	0.375	0.377	-0.5	
48	Toluene	1.015	0.934	8.0	
49	Dibromochloromethane	0.791	0.792	-0.1	
50	2-Hexanone(MBK)	0.694	0.630	9.2	
51	1,2-Dibromoethane(EDB)	0.626	0.620	1.0	
52	Tetrachloroethene	0.699	0.687	1.7	
53 Int	Chlorobenzene-d5	1.000	1.000	0.0	109

Evaluate Continuing Calibration Report

Data Path : H:\AIR2025\CHEM20\09SEP\29\
 Data File : 0930_01.D
 Acq On : 30 Sep 2025 12:36 pm
 Operator :
 Client ID : BFB TUNE - CCAL 1 / CC1
 Lab ID : 1ppb ccal; T01516A - 1ppb ccal; T01516A
 ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 30 13:47:41 2025
 Quant Method : H:\AIR2025\CHEM20\Methods\20_AIR_0909.M
 Quant Title : VOA Standards for 5 point calibration
 QLast Update : Wed Sep 10 12:52:46 2025
 Response via : Initial Calibration

Note: Curves (l,lf,q,qf) display calculated concentration.
 Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.20min
 Max. RRF Dev : 30% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%
54	1,1,1,2-Tetrachloroethane	1.018	1.105	-8.5	
55	Chlorobenzene	1.705	1.808	-6.0	
56	Ethylbenzene	2.477	2.305	6.9	
57	m,p-Xylene	1.898	1.522	19.8	
58	Bromoform	1.872	1.973	-5.4	
59	Styrene	1.452	1.312	9.6	
60	1,1,2,2-Tetrachloroethane	1.560	1.752	-12.3	
61	o-Xylene	1.989	1.951	1.9	
62	Surr % Bromofluorobenzene	1.319	1.408	-6.7	
64	Isopropylbenzene	3.021	3.075	-1.8	
65	4-Ethyltoluene	2.908	2.841	2.3	
66	1,3,5-Trimethylbenzene	2.399	2.396	0.1	
67	1,2,4-Trimethylbenzene	2.422	2.300	5.0	
68	Benzyl chloride	1.846	1.717	7.0	
69	1,3-Dichlorobenzene	2.037	2.060	-1.1	
70	1,4-Dichlorobenzene	1.854	1.952	-5.3	
71	sec-Butylbenzene	3.616	3.714	-2.7	
72	4-Isopropyltoluene	3.388	3.399	-0.3	
73	1,2-Dichlorobenzene	1.866	1.851	0.8	
74	n-Butylbenzene	2.924	2.765	5.4	
75	1,2,4-Trichlorobenzene	1.396	1.136	18.6	
76	Naphthalene	2.211	1.725	22.0	
77	Hexachlorobutadiene	1.823	1.812	0.6	
78	int Bromochloromethane(sim)	1.000	1.000	0.0	112
79	1,2-Dichlorotetrafluoroetha	2.462	2.250	8.6	
80	Vinyl Chloride(sim)	1.064	0.887	16.6	
81	Bromomethane(sim)	1.038	0.821	20.9	
82	Trichlorofluoromethane(sim)	3.237	2.668	17.6	
83	1,2-Dichloroethane(sim)	1.542	1.242	19.5	
84	1,1,1-Trichloroethane(sim)	2.574	2.182	15.2	
85	Benzene(sim)	2.650	2.326	12.2	
86	Carbon Tetrachloride(sim)	2.829	2.443	13.6	
87	1,1-Dichloroethene(sim)	1.761	1.427	19.0	
88	Trichlorotrifluoroethane(si	2.493	2.180	12.6	
89	Trans-1,2-Dichloroethene(si	1.356	1.190	12.2	
90	1,1-Dichloroethane(sim)	2.033	1.747	14.1	
91	Cis-1,2-Dichloroethene(sim)	1.436	1.143	20.4	
92	Chloroform(sim)	2.292	2.055	10.3	
93	int 1,4-Difluorobenzene(sim)	1.000	1.000	0.0	108
94	1,2-dichloropropane(sim)	0.419	0.385	8.1	
95	Bromodichloromethane(sim)	0.723	0.670	7.3	
96	Trichloroethene(sim)	0.535	0.480	10.3	
97	1,4-Dioxane(sim)	0.162	0.148	8.6	
98	cis-1,3-Dichloropropene(sim	0.583	0.503	13.7	
99	1,1,2-Trichloroethane(sim)	0.446	0.377	15.5	
100	Dibromochloromethane(sim)	0.992	0.889	10.4	
101	1,2-Dibromoethane(EDB)(sim)	0.718	0.620	13.6	
102	Tetrachloroethene(sim)	0.889	0.786	11.6	

Evaluate Continuing Calibration Report

Data Path : H:\AIR2025\CHEM20\09SEP\29\
 Data File : 0930_01.D
 Acq On : 30 Sep 2025 12:36 pm
 Operator :
 Client ID : BFB TUNE - CCAL 1 / CC1
 Lab ID : 1ppb ccal; T01516A - 1ppb ccal; T01516A
 ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 30 13:47:41 2025
 Quant Method : H:\AIR2025\CHEM20\Methods\20_AIR_0909.M
 Quant Title : VOA Standards for 5 point calibration
 QLast Update : Wed Sep 10 12:52:46 2025
 Response via : Initial Calibration

Note: Curves (l, lf, q, qf) display calculated concentration.
 Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.20min
 Max. RRF Dev : 30% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%
103 int	Chlorobenzene-d5(sim)	1.000	1.000	0.0	109
104	Bromoform(sim)	2.424	2.222	8.3	
105	m,p-Xylene(sim)	2.041	1.915	6.2	
106	1,1,2,2-Tetrachloroethane(s	2.132	1.889	11.4	
107	Benzyl chloride(sim)	1.728	1.717	0.6	
108	1,3-Dichlorobenzene(sim)	2.509	2.479	1.2	
109	1,4-Dichlorobenzene(sim)	1.973	1.952	1.1	
110	sec-Butylbenzene(sim)	4.069	4.102	-0.8	
111	4-Isopropyltoluene(sim)	3.397	3.401	-0.1	
112	1,2-Dichlorobenzene(sim)	2.292	2.197	4.1	
113	n-Butylbenzene(sim)	2.857	2.765	3.2	
114	1,2,4-Trichlorobenzene(sim)	1.498	1.373	8.3	
116	Hexachlorobutadiene(sim)	2.688	2.190	18.5	

(#)=Out of Range l=linear, lf=liner(0,0), q=quadratic, qf=quadratic(0,0)
 Laboratory Warning Limits Out = 0

Data Path : H:\AIR2025\CHEM20\09SEP\29\
 Data File : 0930_01.D
 Acq On : 30 Sep 2025 12:36 pm
 Operator :
 Client ID : BFB TUNE - CCAL 1 / CC1
 Lab ID : 1ppb ccal; T01516A - 1ppb ccal; T01516A
 ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 30 13:47:41 2025
 Quant Method : H:\AIR2025\CHEM20\Methods\20_AIR_0909.M
 Quant Title : VOA Standards for 5 point calibration
 QLast Update : Wed Sep 10 12:52:46 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	6.949	130	176731	10.000	ng	0.00
36) 1,4-Difluorobenzene	8.126	114	600164	10.000	ng	0.00
53) Chlorobenzene-d5	10.617	82	289386	10.000	ng	0.00
78) Bromochloromethane(sim)	6.952	130	196095	10.000	ng	# 0.00
93) 1,4-Difluorobenzene(sim)	8.126	114	600164	10.000	ng	0.00
103) Chlorobenzene-d5(sim)	10.617	82	289386	10.000	ng	0.00

System Monitoring Compounds						
62) % Bromofluorobenzene	11.459	95	407600	10.676	ppbv	0.00
Spiked Amount	10.000	Range 70 - 130	Recovery	= 106.80%		

Target Compounds					Qvalue	
2) Propylene	3.608	41	14456	0.903	ppbv	94
3) Dichlorodifluoromethane	3.673	85	48024	0.987	ppbv	98
4) Chloromethane	3.811	50	16018	0.991	ppbv	94
5) 1,2-Dichlorotetrafluor...	3.900	85	44113	0.969	ppbv#	81
6) Vinyl Chloride	3.998	62	16629	1.023	ppbv	94
7) 1,3-Butadiene	4.119	54	11710	0.947	ppbv	91
8) Bromomethane	4.338	94	16094	0.965	ppbv#	93
9) Chloroethane	4.468	64	6779	0.953	ppbv	92
11) Ethanol	4.590	45	4870	0.890	ppbv#	46
12) Acetone	4.947	43	29597	0.907	ppbv#	79
13) Trichlorofluoromethane	5.036	101	46551	0.942	ppbv#	92
14) Isopropylalcohol	5.133	45	30677	0.930	ppbv#	96
15) Acrylonitrile	5.255	53	9412	0.901	ppbv#	1
16) 1,1-Dichloroethene	5.479	61	27983	0.965	ppbv#	88
17) Methylene Chloride	5.563	49	23728	1.018	ppbv	95
20) Carbon Disulfide	5.777	76	46409	1.061	ppbv	97
21) Trichlorotrifluoroethane	5.736	101	39045	1.086	ppbv#	87
22) Trans-1,2-Dichloroethene	6.182	61	23335	0.930	ppbv	90
23) 1,1-Dichloroethane	6.312	63	31900	1.024	ppbv	93
24) Methyl tert-butyl ethe...	6.375	73	32942	0.847	ppbv#	82
25) Methyl Ethyl Ketone	6.578	43	34690	0.923	ppbv#	93
26) Cis-1,2-Dichloroethene	6.840	61	22411	0.941	ppbv	96
27) Hexane	6.956	57	19626	0.837	ppbv#	76
28) Chloroform	7.026	83	36573	0.996	ppbv	93
29) Ethyl acetate	6.972	61	5463	1.002	ppbv	87
30) Tetrahydrofuran	7.305	42	16043	0.860	ppbv#	87
31) 1,2-Dichloroethane	7.483	62	24350	0.959	ppbv	89
32) 1,1,1-Trichloroethane	7.646	97	37563	0.944	ppbv	97
33) Benzene	7.935	78	45611	0.933	ppbv	99
34) Carbon Tetrachloride	8.022	117	44893	1.003	ppbv	98
35) Cyclohexane	8.108	84	17571	0.892	ppbv	96
37) 1,2-dichloropropane	8.420	63	21566	1.050	ppbv#	83
38) Bromodichloromethane	8.541	83	40211	1.031	ppbv	98
39) Trichloroethene	8.558	130	25415	1.014	ppbv#	86
40) 2,2,4-trimethylpentane	8.567	57	70491	0.942	ppbv	96
41) 1,4-Dioxane	8.576	88	8867	0.881	ppbv	90
43) Heptane	8.705	43	30810	0.964	ppbv#	91
44) cis-1,3-Dichloropropene	9.054	75	27313	0.935	ppbv	95
45) 4-Methyl-2-pentanone(M...	9.075	43	41775	0.932	ppbv#	90
46) trans-1,3-Dichloropropene	9.349	75	20756	0.892	ppbv	96
47) 1,1,2-Trichloroethane	9.462	97	22638	1.007	ppbv	97
48) Toluene	9.624	91	56047	0.920	ppbv	99

Data Path : H:\AIR2025\CHEM20\09SEP\29\
 Data File : 0930_01.D
 Acq On : 30 Sep 2025 12:36 pm
 Operator :
 Client ID : BFB TUNE - CCAL 1 / CC1
 Lab ID : 1ppb ccal; T01516A - 1ppb ccal; T01516A
 ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 30 13:47:41 2025
 Quant Method : H:\AIR2025\CHEM20\Methods\20_AIR_0909.M
 Quant Title : VOA Standards for 5 point calibration
 QLast Update : Wed Sep 10 12:52:46 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
49) Dibromochloromethane	9.877	129	47558	1.002	ppbv	99
50) 2-Hexanone(MBK)	9.751	43	37823	0.908	ppbv#	50
51) 1,2-Dibromoethane(EDB)	10.018	107	37225	0.990	ppbv	98
52) Tetrachloroethene	10.264	166	41250	0.983	ppbv#	88
54) 1,1,1,2-Tetrachloroethane	10.632	131	31963	1.085	ppbv#	92
55) Chlorobenzene	10.647	112	52324	1.061	ppbv	90
56) Ethylbenzene	10.837	91	66713	0.931	ppbv	86
57) m, p-Xylene	10.935	91	110080	2.004	ppbv	100
58) Bromoform	11.011	173	57084	1.054	ppbv	99
59) Styrene	11.140	104	37960	0.904	ppbv#	69
60) 1,1,2,2-Tetrachloroethane	11.201	83	50701	1.123	ppbv	92
61) o-Xylene	11.201	91	56455	0.981	ppbv#	86
64) Isopropylbenzene	11.527	105	88987	1.018	ppbv#	93
65) 4-Ethyltoluene	11.899	105	82220	0.977	ppbv	91
66) 1,3,5-Trimethylbenzene	11.937	105	69325	0.998	ppbv#	91
67) 1,2,4-Trimethylbenzene	12.195	105	66557	0.950	ppbv	92
68) Benzyl chloride	12.286	91	49685	0.930	ppbv#	92
69) 1,3-Dichlorobenzene	12.301	146	59603	1.011	ppbv#	88
70) 1,4-Dichlorobenzene	12.347	146	56478	1.053	ppbv	100
71) sec-Butylbenzene	12.354	105	107476	1.027	ppbv#	90
72) 4-Isopropyltoluene	12.445	119	98362	1.003	ppbv	100
73) 1,2-Dichlorobenzene	12.559	146	53575	0.992	ppbv#	92
74) n-Butylbenzene	12.711	91	80025	0.946	ppbv	95
75) 1,2,4-Trichlorobenzene	13.706	180	32872	0.814	ppbv	93
76) Naphthalene	13.797	128	49917	0.780	ppbv#	95
77) Hexachlorobutadiene	14.040	225	52440	0.994	ppbv	97
79] 1,2-Dichlorotetrafluor...	3.900	85	44113	0.914	ppbv#	81
80] Vinyl Chloride(sim)	4.001	62	17384	0.833	ppbv	99
81] Bromomethane(sim)	4.338	94	16094	0.791	ppbv#	94
82] Trichlorofluoromethane...	5.039	101	52318	0.824	ppbv#	96
83] 1,2-Dichloroethane(sim)	7.483	62	24350	0.805	ppbv#	18
84] 1,1,1-Trichloroethane(...	7.649	97	42796	0.848	ppbv#	96
85] Benzene(sim)	7.935	78	45611	0.878	ppbv	99
86] Carbon Tetrachloride(sim)	8.025	117	47913	0.864	ppbv	100
87] 1,1-Dichloroethene(sim)	5.479	61	27983	0.811	ppbv#	88
88] Trichlorotrifluoroetha...	5.732	101	42750	0.875	ppbv#	92
89] Trans-1,2-Dichloroethe...	6.182	61	23335	0.878	ppbv	90
90] 1,1-Dichloroethane(sim)	6.315	63	34264	0.859	ppbv	99
91] Cis-1,2-Dichloroethene...	6.840	61	22411	0.796	ppbv	96
92] Chloroform(sim)	7.021	83	40296	0.818	ppbv	97
94] 1,2-dichloropropane(sim)	8.423	63	23081	0.918	ppbv#	87
95] Bromodichloromethane(sim)	8.541	83	40211	0.927	ppbv	98
96] Trichloroethene(sim)	8.561	130	28803	0.897	ppbv	91
97] 1,4-Dioxane(sim)	8.576	88	8867	0.912	ppbv	90
98] cis-1,3-Dichloropropen...	9.057	75	30192	0.863	ppbv	97
99] 1,1,2-Trichloroethane(...	9.462	97	22638	0.847	ppbv	97
100] Dibromochloromethane(sim)	9.873	129	53348	0.896	ppbv	99
101] 1,2-Dibromoethane(EDB)...	10.018	107	37225	0.863	ppbv	97
102] Tetrachloroethene(sim)	10.267	166	47172	0.884	ppbv	95
104] Bromoform(sim)	11.014	173	64297	0.917	ppbv	98
105] m, p-Xylene(sim)	10.935	91	110807	1.876	ppbv#	90
106] 1,1,2,2-Tetrachloroeth...	11.196	83	54670	0.886	ppbv	97
107] Benzyl chloride(sim)	12.286	91	49685	0.994	ppbv	93
108] 1,3-Dichlorobenzene(sim)	12.304	146	71745	0.988	ppbv#	91
109] 1,4-Dichlorobenzene(sim)	12.347	146	56478	0.989	ppbv	87

Data Path : H:\AIR2025\CHEM20\09SEP\29\
Data File : 0930_01.D
Acq On : 30 Sep 2025 12:36 pm
Operator :
Client ID : BFB TUNE - CCAL 1 / CC1
Lab ID : 1ppb ccal; T01516A - 1ppb ccal; T01516A
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 30 13:47:41 2025
Quant Method : H:\AIR2025\CHEM20\Methods\20_AIR_0909.M
Quant Title : VOA Standards for 5 point calibration
QLast Update : Wed Sep 10 12:52:46 2025
Response via : Initial Calibration

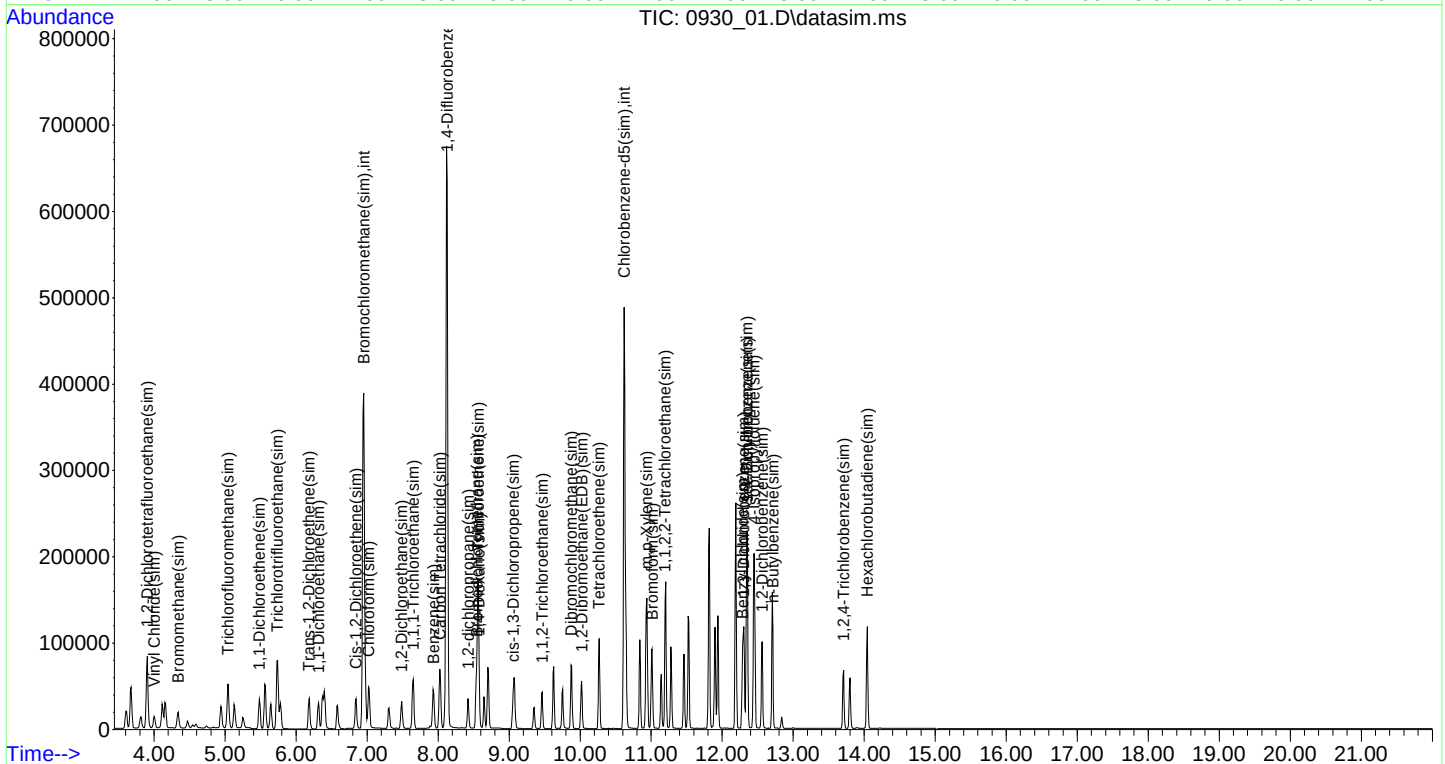
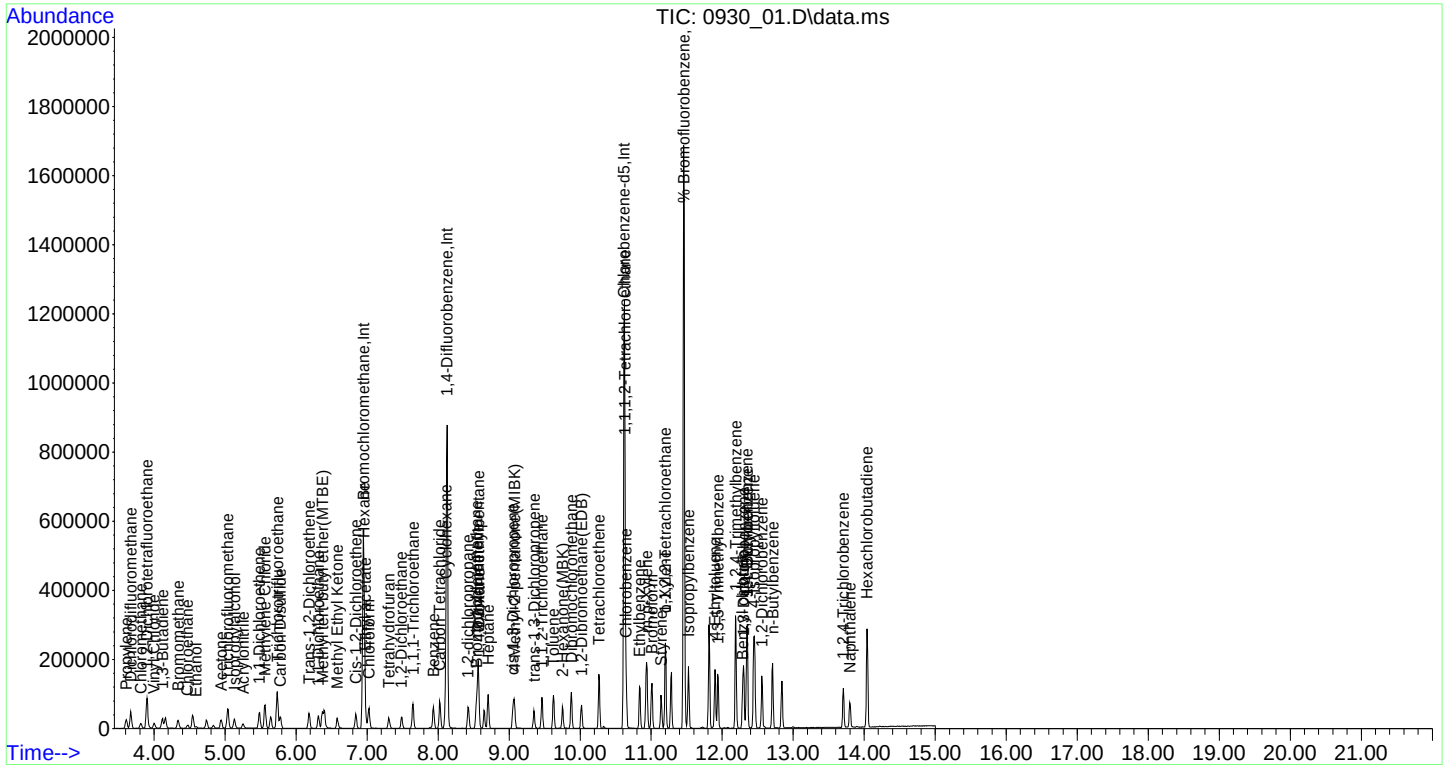
	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
110]	sec-Butylbenzene(sim)	12.350	105	118717	1.008	ppbv	95
111]	4-Isopropyltoluene(sim)	12.445	119	98422	1.001	ppbv#	85
112]	1,2-Dichlorobenzene(sim)	12.562	146	63565	0.959	ppbv	92
113]	n-Butylbenzene(sim)	12.711	91	80025	0.968	ppbv	95
114]	1,2,4-Trichlorobenzene...	13.709	180	39735	0.917	ppbv	97
116]	Hexachlorobutadiene(sim)	14.043	225	63384	0.815	ppbv	99

(#)out of range (m)manual integration reviewed by analyst (+)signals summed

(QT Reviewed)

Data Path : H:\AIR2025\CHEM20\09SEP\29\
Data File : 0930_01.D
Acq On : 30 Sep 2025 12:36 pm
Operator :
Client ID : BFB TUNE - CCAL 1 / CC1
Lab ID : 1ppb ccal; T01516A - 1ppb ccal; T01516A
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 30 13:47:41 2025
Quant Method : H:\AIR2025\CHEM20\Methods\20_AIR_0909.M
Quant Title : VOA Standards for 5 point calibration
QLast Update : Wed Sep 10 12:52:46 2025
Response via : Initial Calibration



7A
AIR CONTINUING CALIBRATION CHECK

Lab Name: Phoenix Environmental Labs Client: FPMGROUP

Lab Code: Phoenix Case No.: SAS No.: SDG No.: GCU37304

Instrument: CHEM20 Calibration Date: 10/01/25 Time: 10:54

Lab File Id: 0930_25.D Init. Calib. Date(s): 09/09/25 09/09/25

Heated Purge (Y/N): Y Init. Calib. Times: 13:10 19:56

GC Column: RTX-1 60M Method File: 20_AIR_0909.M

COMPOUND	RRF	RRF50	RRF MIN	%D	% D LIMITS
Propylene	0.906	0.805		11.1	30
Dichlorodifluoromethane	2.754	2.688		2.4	30
Chloromethane	0.915	0.909		0.7	30
1,2-Dichlorotetrafluoroethane	2.576	2.443		5.2	30
Vinyl Chloride	0.920	0.913		0.8	30
1,3-Butadiene	0.700	0.687		1.9	30
Bromomethane	0.943	0.925		1.9	30
Chloroethane	0.403	0.403		0.0	30
Ethanol	0.310	0.300		3.2	30
Acetone	1.846	1.671		9.5	30
Trichlorofluoromethane	2.796	2.631		5.9	30
Isopropylalcohol	1.866	1.711		8.3	30
Acrylonitrile	0.591	0.513		13.2	30
1,1-Dichloroethene	1.641	1.534		6.5	30
Methylene Chloride	1.319	1.287		2.4	30
Carbon Disulfide	2.475	2.677		-8.2	30
Trichlorotrifluoroethane	2.034	2.063		-1.4	30
Trans-1,2-Dichloroethene	1.420	1.304		8.2	30
1,1-Dichloroethane	1.764	1.712		2.9	30
Methyl tert-butyl ether(MTBE)	2.199	1.804		18.0	30
Methyl Ethyl Ketone	2.127	1.979		7.0	30
Cis-1,2-Dichloroethene	1.348	1.211		10.2	30
Hexane	1.326	1.117		15.8	30
Chloroform	2.078	2.014		3.1	30
Ethyl acetate	0.308	0.314		-1.9	30
Tetrahydrofuran	1.056	0.870		17.6	30
1,2-Dichloroethane	1.437	1.340		6.8	30
1,1,1-Trichloroethane	2.251	2.157		4.2	30
Benzene	2.767	2.544		8.1	30
Carbon Tetrachloride	2.534	2.489		1.8	30
Cyclohexane	1.115	0.930		16.6	30
1,2-dichloropropane	0.342	0.353		-3.2	30
Bromodichloromethane	0.650	0.675		-3.8	30
Trichloroethene	0.418	0.419		-0.2	30
2,2,4-trimethylpentane	1.247	1.158		7.1	30

(*) Recommended RRF not met (+) %D exceeds criteria % (#) %D exceeds (maximum) criteria

%D: 20% of target compounds are allowed to be above criteria %, but must be less than the (maximum) %D

(#) Maximum %D not met.

7B
AIR CONTINUING CALIBRATION CHECK

Lab Name: Phoenix Environmental Labs Client: FPMGROUP

Lab Code: Phoenix Case No.: SAS No.: SDG No.: GCU37304

Instrument: CHEM20 Calibration Date: 10/01/25 Time: 10:54

Lab File Id: 0930_25.D Init. Calib. Date(s): 09/09/25 09/09/25

Heated Purge (Y/N): Y Init. Calib. Times: 13:10 19:56

GC Column: RTX-1 60M Method File: 20_AIR_0909.M

COMPOUND	RRF	RRF50	RRF MIN	%D	% D LIMITS
1,4-Dioxane	0.168	0.148		11.9	30
Heptane	0.533	0.508		4.7	30
cis-1,3-Dichloropropene	0.487	0.453		7.0	30
4-Methyl-2-pentanone(MIBK)	0.747	0.698		6.6	30
trans-1,3-Dichloropropene	0.388	0.352		9.3	30
1,1,2-Trichloroethane	0.375	0.378		-0.8	30
Toluene	1.015	0.929		8.5	30
Dibromochloromethane	0.791	0.824		-4.2	30
2-Hexanone(MBK)	0.694	0.630		9.2	30
1,2-Dibromoethane(EDB)	0.626	0.626		0.0	30
Tetrachloroethene	0.699	0.691		1.1	30
1,1,1,2-Tetrachloroethane	1.018	1.108		-8.8	30
Chlorobenzene	1.705	1.838		-7.8	30
Ethylbenzene	2.477	2.314		6.6	30
m,p-Xylene	1.898	1.524		19.7	30
Bromoform	1.872	2.008		-7.3	30
Styrene	1.452	1.273		12.3	30
1,1,2,2-Tetrachloroethane	1.560	1.722		-10.4	30
o-Xylene	1.989	1.999		-0.5	30
Isopropylbenzene	3.021	3.111		-3.0	30
4-Ethyltoluene	2.908	2.824		2.9	30
1,3,5-Trimethylbenzene	2.399	2.362		1.5	30
1,2,4-Trimethylbenzene	2.422	2.247		7.2	30
Benzyl chloride	1.846	1.789		3.1	30
1,3-Dichlorobenzene	2.037	2.119		-4.0	30
1,4-Dichlorobenzene	1.854	1.920		-3.6	30
sec-Butylbenzene	3.616	3.720		-2.9	30
4-Isopropyltoluene	3.388	3.434		-1.4	30
1,2-Dichlorobenzene	1.866	1.892		-1.4	30
n-Butylbenzene	2.924	2.796		4.4	30
1,2,4-Trichlorobenzene	1.396	1.136		18.6	30
Naphthalene	2.211	1.717		22.3	30
Hexachlorobutadiene	1.823	1.833		-0.5	30
1,2-Dichlorotetrafluoroethane(sim)	2.462	2.213		10.1	30
Vinyl Chloride(sim)	1.064	0.883		17.0	30

(*) Recommended RRF not met (+) %D exceeds criteria % (#) %D exceeds (maximum) criteria

%D: 20% of target compounds are allowed to be above criteria %, but must be less than the (maximum) %D

(#) Maximum %D not met.

7B
AIR CONTINUING CALIBRATION CHECK

Lab Name: Phoenix Environmental Labs Client: FPMGROUP

Lab Code: Phoenix Case No.: SAS No.: SDG No.: GCU37304

Instrument: CHEM20 Calibration Date: 10/01/25 Time: 10:54

Lab File Id: 0930_25.D Init. Calib. Date(s): 09/09/25 09/09/25

Heated Purge (Y/N): Y Init. Calib. Times: 13:10 19:56

GC Column: RTX-1 60M Method File: 20_AIR_0909.M

COMPOUND	RRF	RRF50	RRF MIN	%D	% D LIMITS
Bromomethane(sim)	1.038	0.838		19.3	30
Trichlorofluoromethane(sim)	3.237	2.644		18.3	30
1,2-Dichloroethane(sim)	1.542	1.213		21.3	30
1,1,1-Trichloroethane(sim)	2.574	2.153		16.4	30
Benzene(sim)	2.650	2.304		13.1	30
Carbon Tetrachloride(sim)	2.829	2.435		13.9	30
1,1-Dichloroethene(sim)	1.761	1.389		21.1	30
Trichlorotrifluoroethane(sim)	2.493	2.047		17.9	30
Trans-1,2-Dichloroethene(sim)	1.356	1.181		12.9	30
1,1-Dichloroethane(sim)	2.033	1.729		15.0	30
Cis-1,2-Dichloroethene(sim)	1.436	1.097		23.6	30
Chloroform(sim)	2.292	2.031		11.4	30
1,2-dichloropropane(sim)	0.419	0.385		8.1	30
Bromodichloromethane(sim)	0.723	0.675		6.6	30
Trichloroethene(sim)	0.535	0.481		10.1	30
1,4-Dioxane(sim)	0.162	0.148		8.6	30
cis-1,3-Dichloropropene(sim)	0.583	0.504		13.6	30
1,1,2-Trichloroethane(sim)	0.446	0.378		15.2	30
Dibromochloromethane(sim)	0.992	0.894		9.9	30
1,2-Dibromoethane(EDB)(sim)	0.718	0.626		12.8	30
Tetrachloroethene(sim)	0.889	0.800		10.0	30
Bromoform(sim)	2.424	2.248		7.3	30
m,p-Xylene(sim)	2.041	1.913		6.3	30
1,1,2,2-Tetrachloroethane(sim)	2.132	1.886		11.5	30
Benzyl chloride(sim)	1.728	1.787		-3.4	30
1,3-Dichlorobenzene(sim)	2.509	2.490		0.8	30
1,4-Dichlorobenzene(sim)	1.973	1.918		2.8	30
sec-Butylbenzene(sim)	4.069	4.116		-1.2	30
4-Isopropyltoluene(sim)	3.397	3.430		-1.0	30
1,2-Dichlorobenzene(sim)	2.292	2.199		4.1	30
n-Butylbenzene(sim)	2.857	2.792		2.3	30
1,2,4-Trichlorobenzene(sim)	1.498	1.357		9.4	30
Hexachlorobutadiene(sim)	2.688	2.216		17.6	30
% Bromofluorobenzene	1.319	1.433		-8.6	30

(*) Recommended RRF not met (+) %D exceeds criteria % (#) %D exceeds (maximum) criteria
%D: 20% of target compounds are allowed to be above criteria %, but must be less than the (maximum) %D
(#) Maximum %D not met.

Evaluate Continuing Calibration Report

Data Path : H:\AIR2025\CHEM20\09SEP\29\
 Data File : 0930_25.D
 Acq On : 1 Oct 2025 10:54 am
 Operator :
 Client ID : CCCAL 1
 Lab ID : 1ppb ccal; T01516A
 ALS Vial : 27 Sample Multiplier: 1

Quant Time: Oct 01 11:30:06 2025
 Quant Method : H:\AIR2025\CHEM20\Methods\20_AIR_0909.M
 Quant Title : VOA Standards for 5 point calibration
 QLast Update : Wed Sep 10 12:52:46 2025
 Response via : Initial Calibration

Note: Curves (l,lf,q,qf) display calculated concentration.
 Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.20min
 Max. RRF Dev : 30% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%
1 Int	Bromochloromethane	1.000	1.000	0.0	110
2	Propylene	0.906	0.805	11.1	
3	Dichlorodifluoromethane	2.754	2.688	2.4	
4	Chloromethane	0.915	0.909	0.7	
5	1,2-Dichlorotetrafluoroetha	2.576	2.443	5.2	
6	Vinyl Chloride	0.920	0.913	0.8	
7	1,3-Butadiene	0.700	0.687	1.9	
8	Bromomethane	0.943	0.925	1.9	
9	Chloroethane	0.403	0.403	0.0	
11	Ethanol	0.310	0.300	3.2	
12	Acetone	1.846	1.671	9.5	
13	Trichlorofluoromethane	2.796	2.631	5.9	
14	Isopropylalcohol	1.866	1.711	8.3	
15	Acrylonitrile	0.591	0.513	13.2	
16	1,1-Dichloroethene	1.641	1.534	6.5	
17	Methylene Chloride	1.319	1.287	2.4	
20	Carbon Disulfide	2.475	2.677	-8.2	
21	Trichlorotrifluoroethane	2.034	2.063	-1.4	
22	Trans-1,2-Dichloroethene	1.420	1.304	8.2	
23	1,1-Dichloroethane	1.764	1.712	2.9	
24	Methyl tert-butyl ether(MTB)	2.199	1.804	18.0	
25	Methyl Ethyl Ketone	2.127	1.979	7.0	
26	Cis-1,2-Dichloroethene	1.348	1.211	10.2	
27	Hexane	1.326	1.117	15.8	
28	Chloroform	2.078	2.014	3.1	
29	Ethyl acetate	0.308	0.314	-1.9	
30	Tetrahydrofuran	1.056	0.870	17.6	
31	1,2-Dichloroethane	1.437	1.340	6.8	
32	1,1,1-Trichloroethane	2.251	2.157	4.2	
33	Benzene	2.767	2.544	8.1	
34	Carbon Tetrachloride	2.534	2.489	1.8	
35	Cyclohexane	1.115	0.930	16.6	
36 Int	1,4-Difluorobenzene	1.000	1.000	0.0	104
37	1,2-dichloropropane	0.342	0.353	-3.2	
38	Bromodichloromethane	0.650	0.675	-3.8	
39	Trichloroethene	0.418	0.419	-0.2	
40	2,2,4-trimethylpentane	1.247	1.158	7.1	
41	1,4-Dioxane	0.168	0.148	11.9	
43	Heptane	0.533	0.508	4.7	
44	cis-1,3-Dichloropropene	0.487	0.453	7.0	
45	4-Methyl-2-pentanone(MIBK)	0.747	0.698	6.6	
46	trans-1,3-Dichloropropene	0.388	0.352	9.3	
47	1,1,2-Trichloroethane	0.375	0.378	-0.8	
48	Toluene	1.015	0.929	8.5	
49	Dibromochloromethane	0.791	0.824	-4.2	
50	2-Hexanone(MBK)	0.694	0.630	9.2	
51	1,2-Dibromoethane(EDB)	0.626	0.626	0.0	
52	Tetrachloroethene	0.699	0.691	1.1	
53 Int	Chlorobenzene-d5	1.000	1.000	0.0	105

Evaluate Continuing Calibration Report

Data Path : H:\AIR2025\CHEM20\09SEP\29\
 Data File : 0930_25.D
 Acq On : 1 Oct 2025 10:54 am
 Operator :
 Client ID : CCCAL 1
 Lab ID : 1ppb ccal; T01516A
 ALS Vial : 27 Sample Multiplier: 1

Quant Time: Oct 01 11:30:06 2025
 Quant Method : H:\AIR2025\CHEM20\Methods\20_AIR_0909.M
 Quant Title : VOA Standards for 5 point calibration
 QLast Update : Wed Sep 10 12:52:46 2025
 Response via : Initial Calibration

Note: Curves (l,lf,q,qf) display calculated concentration.
 Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.20min
 Max. RRF Dev : 30% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%
54	1,1,1,2-Tetrachloroethane	1.018	1.108	-8.8	
55	Chlorobenzene	1.705	1.838	-7.8	
56	Ethylbenzene	2.477	2.314	6.6	
57	m,p-Xylene	1.898	1.524	19.7	
58	Bromoform	1.872	2.008	-7.3	
59	Styrene	1.452	1.273	12.3	
60	1,1,2,2-Tetrachloroethane	1.560	1.722	-10.4	
61	o-Xylene	1.989	1.999	-0.5	
62	Surr % Bromofluorobenzene	1.319	1.433	-8.6	
64	Isopropylbenzene	3.021	3.111	-3.0	
65	4-Ethyltoluene	2.908	2.824	2.9	
66	1,3,5-Trimethylbenzene	2.399	2.362	1.5	
67	1,2,4-Trimethylbenzene	2.422	2.247	7.2	
68	Benzyl chloride	1.846	1.789	3.1	
69	1,3-Dichlorobenzene	2.037	2.119	-4.0	
70	1,4-Dichlorobenzene	1.854	1.920	-3.6	
71	sec-Butylbenzene	3.616	3.720	-2.9	
72	4-Isopropyltoluene	3.388	3.434	-1.4	
73	1,2-Dichlorobenzene	1.866	1.892	-1.4	
74	n-Butylbenzene	2.924	2.796	4.4	
75	1,2,4-Trichlorobenzene	1.396	1.136	18.6	
76	Naphthalene	2.211	1.717	22.3	
77	Hexachlorobutadiene	1.823	1.833	-0.5	
78	int Bromochloromethane(sim)	1.000	1.000	0.0	110
79	1,2-Dichlorotetrafluoroetha	2.462	2.213	10.1	
80	Vinyl Chloride(sim)	1.064	0.883	17.0	
81	Bromomethane(sim)	1.038	0.838	19.3	
82	Trichlorofluoromethane(sim)	3.237	2.644	18.3	
83	1,2-Dichloroethane(sim)	1.542	1.213	21.3	
84	1,1,1-Trichloroethane(sim)	2.574	2.153	16.4	
85	Benzene(sim)	2.650	2.304	13.1	
86	Carbon Tetrachloride(sim)	2.829	2.435	13.9	
87	1,1-Dichloroethene(sim)	1.761	1.389	21.1	
88	Trichlorotrifluoroethane(si	2.493	2.047	17.9	
89	Trans-1,2-Dichloroethene(si	1.356	1.181	12.9	
90	1,1-Dichloroethane(sim)	2.033	1.729	15.0	
91	Cis-1,2-Dichloroethene(sim)	1.436	1.097	23.6	
92	Chloroform(sim)	2.292	2.031	11.4	
93	int 1,4-Difluorobenzene(sim)	1.000	1.000	0.0	104
94	1,2-dichloropropane(sim)	0.419	0.385	8.1	
95	Bromodichloromethane(sim)	0.723	0.675	6.6	
96	Trichloroethene(sim)	0.535	0.481	10.1	
97	1,4-Dioxane(sim)	0.162	0.148	8.6	
98	cis-1,3-Dichloropropene(sim	0.583	0.504	13.6	
99	1,1,2-Trichloroethane(sim)	0.446	0.378	15.2	
100	Dibromochloromethane(sim)	0.992	0.894	9.9	
101	1,2-Dibromoethane(EDB)(sim)	0.718	0.626	12.8	
102	Tetrachloroethene(sim)	0.889	0.800	10.0	

Evaluate Continuing Calibration Report

Data Path : H:\AIR2025\CHEM20\09SEP\29\
 Data File : 0930_25.D
 Acq On : 1 Oct 2025 10:54 am
 Operator :
 Client ID : CCCAL 1
 Lab ID : 1ppb ccal; T01516A
 ALS Vial : 27 Sample Multiplier: 1

Quant Time: Oct 01 11:30:06 2025
 Quant Method : H:\AIR2025\CHEM20\Methods\20_AIR_0909.M
 Quant Title : VOA Standards for 5 point calibration
 QLast Update : Wed Sep 10 12:52:46 2025
 Response via : Initial Calibration

Note: Curves (l, lf, q, qf) display calculated concentration.
 Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.20min
 Max. RRF Dev : 30% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%
103 int	Chlorobenzene-d5(sim)	1.000	1.000	0.0	105
104	Bromoform(sim)	2.424	2.248	7.3	
105	m,p-Xylene(sim)	2.041	1.913	6.3	
106	1,1,2,2-Tetrachloroethane(s	2.132	1.886	11.5	
107	Benzyl chloride(sim)	1.728	1.787	-3.4	
108	1,3-Dichlorobenzene(sim)	2.509	2.490	0.8	
109	1,4-Dichlorobenzene(sim)	1.973	1.918	2.8	
110	sec-Butylbenzene(sim)	4.069	4.116	-1.2	
111	4-Isopropyltoluene(sim)	3.397	3.430	-1.0	
112	1,2-Dichlorobenzene(sim)	2.292	2.199	4.1	
113	n-Butylbenzene(sim)	2.857	2.792	2.3	
114	1,2,4-Trichlorobenzene(sim)	1.498	1.357	9.4	
116	Hexachlorobutadiene(sim)	2.688	2.216	17.6	

(#)=Out of Range l=linear, lf=liner(0,0), q=quadratic, qf=quadratic(0,0)
 Laboratory Warning Limits Out = 0

Data Path : H:\AIR2025\CHEM20\09SEP\29\
 Data File : 0930_25.D
 Acq On : 1 Oct 2025 10:54 am
 Operator :
 Client ID : CCCAL 1
 Lab ID : 1ppb ccal; T01516A
 ALS Vial : 27 Sample Multiplier: 1

Quant Time: Oct 01 11:30:06 2025
 Quant Method : H:\AIR2025\CHEM20\Methods\20_AIR_0909.M
 Quant Title : VOA Standards for 5 point calibration
 QLast Update : Wed Sep 10 12:52:46 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	6.949	130	174388	10.000	ng	0.00
36) 1,4-Difluorobenzene	8.126	114	581381	10.000	ng	0.00
53) Chlorobenzene-d5	10.617	82	279728	10.000	ng	0.00
78) Bromochloromethane(sim)	6.951	130	192531	10.000	ng	# 0.00
93) 1,4-Difluorobenzene(sim)	8.126	114	581381	10.000	ng	0.00
103) Chlorobenzene-d5(sim)	10.617	82	280068	10.000	ng	0.00

System Monitoring Compounds

62) % Bromofluorobenzene	11.458	95	400893	10.863	ppbv	0.00
Spiked Amount	10.000	Range 70 - 130	Recovery	= 108.60%		

Target Compounds

						Qvalue
2) Propylene	3.608	41	14038	0.889	ppbv	94
3) Dichlorodifluoromethane	3.673	85	46876	0.976	ppbv	98
4) Chloromethane	3.811	50	15851	0.994	ppbv	89
5) 1,2-Dichlorotetrafluor...	3.900	85	42599	0.948	ppbv#	77
6) Vinyl Chloride	3.998	62	15925	0.993	ppbv	95
7) 1,3-Butadiene	4.111	54	11986	0.982	ppbv	95
8) Bromomethane	4.338	94	16126	0.980	ppbv#	90
9) Chloroethane	4.476	64	7030	1.001	ppbv	93
11) Ethanol	4.582	45	5239	0.970	ppbv#	36
12) Acetone	4.939	43	29142	0.905	ppbv#	81
13) Trichlorofluoromethane	5.036	101	45889	0.941	ppbv	93
14) Isopropylalcohol	5.125	45	29838	0.917	ppbv#	94
15) Acrylonitrile	5.247	53	8951	0.868	ppbv#	1
16) 1,1-Dichloroethene	5.485	61	26744	0.935	ppbv#	88
17) Methylene Chloride	5.563	49	22449	0.976	ppbv	98
20) Carbon Disulfide	5.777	76	46681	1.081	ppbv	96
21) Trichlorotrifluoroethane	5.730	101	35977	1.014	ppbv#	88
22) Trans-1,2-Dichloroethene	6.181	61	22736	0.918	ppbv	93
23) 1,1-Dichloroethane	6.312	63	29858	0.971	ppbv	96
24) Methyl tert-butyl ethe...	6.364	73	31453	0.820	ppbv#	82
25) Methyl Ethyl Ketone	6.573	43	34503	0.930	ppbv#	93
26) Cis-1,2-Dichloroethene	6.840	61	21115	0.898	ppbv	91
27) Hexane	6.956	57	19476	0.842	ppbv	83
28) Chloroform	7.026	83	35117	0.969	ppbv	92
29) Ethyl acetate	6.972	61	5478	1.019	ppbv#	80
30) Tetrahydrofuran	7.305	42	15164	0.824	ppbv#	89
31) 1,2-Dichloroethane	7.483	62	23360	0.932	ppbv#	88
32) 1,1,1-Trichloroethane	7.646	97	37622	0.958	ppbv	97
33) Benzene	7.935	78	44361	0.919	ppbv	97
34) Carbon Tetrachloride	8.022	117	43406	0.982	ppbv	99
35) Cyclohexane	8.108	84	16217	0.834	ppbv	97
37) 1,2-dichloropropane	8.420	63	20502	1.030	ppbv#	86
38) Bromodichloromethane	8.541	83	39227	1.038	ppbv	95
39) Trichloroethene	8.558	130	24347	1.003	ppbv	86
40) 2,2,4-trimethylpentane	8.567	57	67300	0.928	ppbv	95
41) 1,4-Dioxane	8.567	88	8594	0.881	ppbv#	90
43) Heptane	8.705	43	29516	0.953	ppbv#	91
44) cis-1,3-Dichloropropene	9.054	75	26340	0.931	ppbv	96
45) 4-Methyl-2-pentanone(M...	9.075	43	40563	0.934	ppbv#	90
46) trans-1,3-Dichloropropene	9.349	75	20493	0.909	ppbv	96
47) 1,1,2-Trichloroethane	9.462	97	21980	1.009	ppbv	96
48) Toluene	9.624	91	54014	0.915	ppbv	97

Data Path : H:\AIR2025\CHEM20\09SEP\29\
 Data File : 0930_25.D
 Acq On : 1 Oct 2025 10:54 am
 Operator :
 Client ID : CCCAL 1
 Lab ID : 1ppb ccal; T01516A
 ALS Vial : 27 Sample Multiplier: 1

Quant Time: Oct 01 11:30:06 2025
 Quant Method : H:\AIR2025\CHEM20\Methods\20_AIR_0909.M
 Quant Title : VOA Standards for 5 point calibration
 QLast Update : Wed Sep 10 12:52:46 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
49) Dibromochloromethane	9.877	129	47897	1.042	ppbv	98
50) 2-Hexanone(MBK)	9.750	43	36655	0.908	ppbv#	51
51) 1,2-Dibromoethane(EDB)	10.018	107	36417	1.000	ppbv	97
52) Tetrachloroethene	10.264	166	40191	0.989	ppbv#	89
54) 1,1,1,2-Tetrachloroethane	10.632	131	30980	1.088	ppbv#	92
55) Chlorobenzene	10.647	112	51406	1.078	ppbv	88
56) Ethylbenzene	10.837	91	64727	0.934	ppbv	87
57) m, p-Xylene	10.935	91	106609	2.008	ppbv	100
58) Bromoform	11.011	173	56157	1.073	ppbv	98
59) Styrene	11.140	104	35621	0.877	ppbv#	66
60) 1,1,2,2-Tetrachloroethane	11.201	83	48177	1.104	ppbv	95
61) o-Xylene	11.201	91	55920	1.005	ppbv#	87
64) Isopropylbenzene	11.527	105	87036	1.030	ppbv#	94
65) 4-Ethyltoluene	11.899	105	78987	0.971	ppbv	92
66) 1,3,5-Trimethylbenzene	11.937	105	66069	0.984	ppbv#	90
67) 1,2,4-Trimethylbenzene	12.195	105	62851	0.928	ppbv	91
68) Benzyl chloride	12.286	91	50055	0.969	ppbv#	91
69) 1,3-Dichlorobenzene	12.301	146	59276	1.040	ppbv#	89
70) 1,4-Dichlorobenzene	12.347	146	53706	1.036	ppbv	100
71) sec-Butylbenzene	12.354	105	104065	1.029	ppbv#	91
72) 4-Isopropyltoluene	12.445	119	96055	1.014	ppbv	100
73) 1,2-Dichlorobenzene	12.559	146	52920	1.014	ppbv#	91
74) n-Butylbenzene	12.711	91	78203	0.956	ppbv	96
75) 1,2,4-Trichlorobenzene	13.706	180	31770	0.813	ppbv	93
76) Naphthalene	13.797	128	48028	0.776	ppbv#	95
77) Hexachlorobutadiene	14.040	225	51285	1.006	ppbv	96
79] 1,2-Dichlorotetrafluor...	3.900	85	42599	0.899	ppbv#	77
80] Vinyl Chloride(sim)	4.000	62	17001	0.830	ppbv	99
81] Bromomethane(sim)	4.338	94	16126	0.807	ppbv#	91
82] Trichlorofluoromethane...	5.039	101	50912	0.817	ppbv#	96
83] 1,2-Dichloroethane(sim)	7.483	62	23360	0.787	ppbv#	14
84] 1,1,1-Trichloroethane(...	7.649	97	41456	0.836	ppbv#	95
85] Benzene(sim)	7.935	78	44361	0.869	ppbv	97
86] Carbon Tetrachloride(sim)	8.025	117	46875	0.860	ppbv	100
87] 1,1-Dichloroethene(sim)	5.485	61	26744	0.789	ppbv#	88
88] Trichlorotrifluoroetha...	5.732	101	39407	0.821	ppbv#	92
89] Trans-1,2-Dichloroethe...	6.181	61	22736	0.871	ppbv	93
90] 1,1-Dichloroethane(sim)	6.315	63	33280	0.850	ppbv	99
91] Cis-1,2-Dichloroethene...	6.840	61	21115	0.764	ppbv	91
92] Chloroform(sim)	7.021	83	39106	0.809	ppbv	97
94] 1,2-dichloropropane(sim)	8.423	63	22386	0.920	ppbv#	87
95] Bromodichloromethane(sim)	8.541	83	39227	0.934	ppbv	95
96] Trichloroethene(sim)	8.561	130	27979	0.899	ppbv	91
97] 1,4-Dioxane(sim)	8.567	88	8594	0.912	ppbv#	90
98] cis-1,3-Dichloropropen...	9.057	75	29280	0.864	ppbv	97
99] 1,1,2-Trichloroethane(...	9.462	97	21980	0.849	ppbv	96
100] Dibromochloromethane(sim)	9.873	129	51986	0.901	ppbv	99
101] 1,2-Dibromoethane(EDB)...	10.018	107	36371	0.871	ppbv	97
102] Tetrachloroethene(sim)	10.267	166	46511	0.900	ppbv	95
104] Bromoform(sim)	11.006	173	62968	0.928	ppbv	98
105] m, p-Xylene(sim)	10.935	91	107161	1.875	ppbv#	90
106] 1,1,2,2-Tetrachloroeth...	11.196	83	52817	0.885	ppbv	97
107] Benzyl chloride(sim)	12.286	91	50055	1.034	ppbv	91
108] 1,3-Dichlorobenzene(sim)	12.304	146	69741	0.993	ppbv#	90
109] 1,4-Dichlorobenzene(sim)	12.347	146	53706	0.972	ppbv	86

Data Path : H:\AIR2025\CHEM20\09SEP\29\
Data File : 0930_25.D
Acq On : 1 Oct 2025 10:54 am
Operator :
Client ID : CCCAL 1
Lab ID : 1ppb ccal; T01516A
ALS Vial : 27 Sample Multiplier: 1

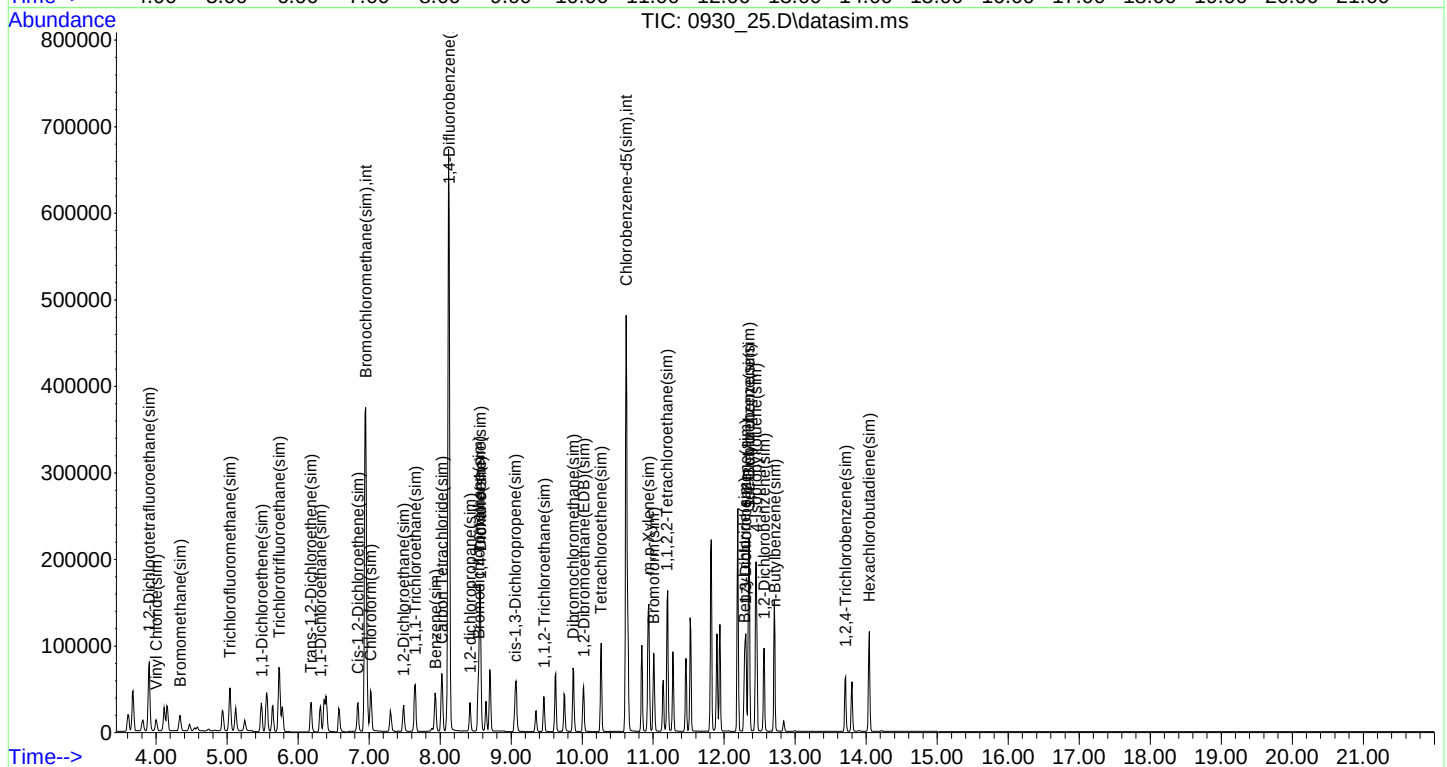
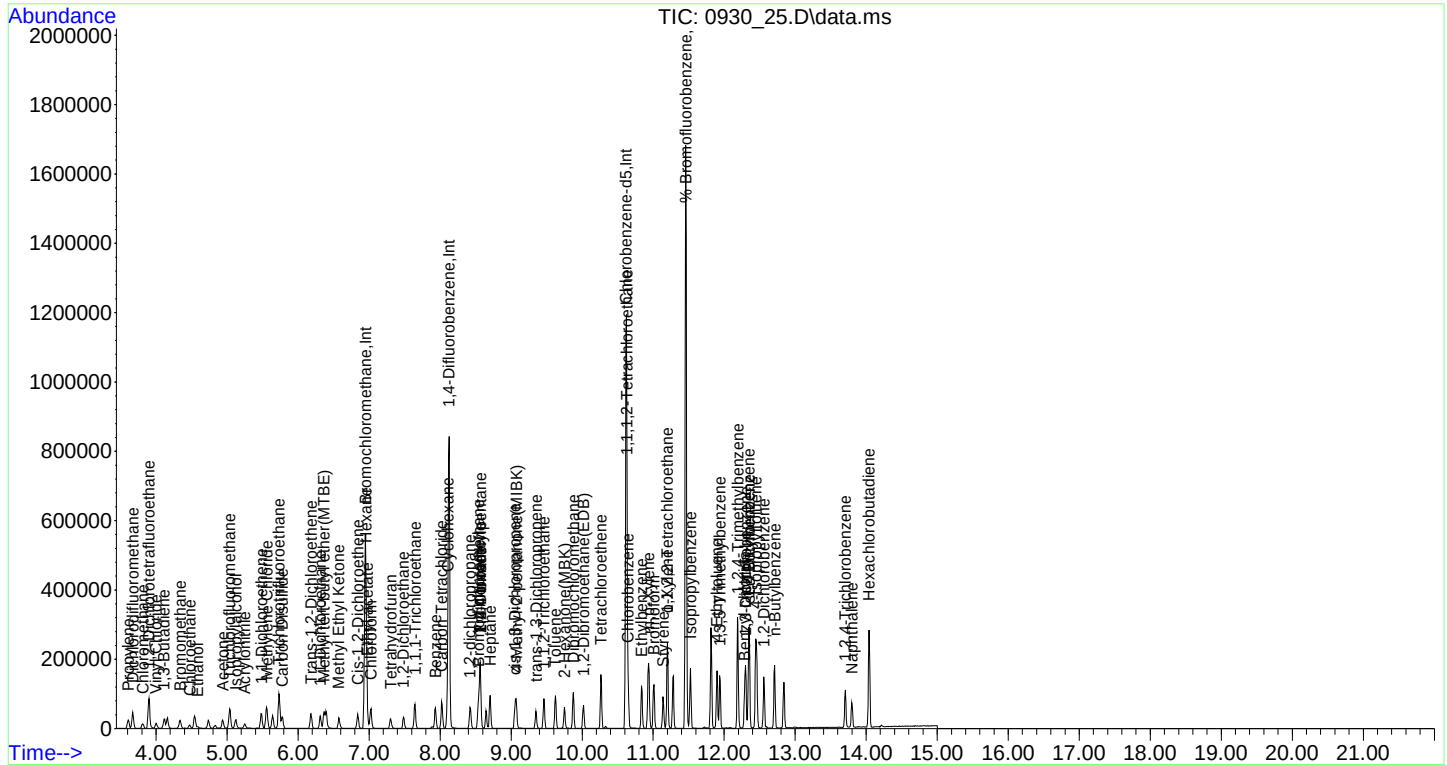
Quant Time: Oct 01 11:30:06 2025
Quant Method : H:\AIR2025\CHEM20\Methods\20_AIR_0909.M
Quant Title : VOA Standards for 5 point calibration
QLast Update : Wed Sep 10 12:52:46 2025
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
110]	sec-Butylbenzene(sim)	12.350	105	115281	1.011	ppbv	95
111]	4-Isopropyltoluene(sim)	12.445	119	96055	1.010	ppbv#	85
112]	1,2-Dichlorobenzene(sim)	12.562	146	61575	0.959	ppbv	92
113]	n-Butylbenzene(sim)	12.711	91	78203	0.978	ppbv	96
114]	1,2,4-Trichlorobenzene...	13.709	180	38002	0.906	ppbv	97
116]	Hexachlorobutadiene(sim)	14.043	225	62055	0.824	ppbv	98

(#)out of range (m>manual integration reviewed by analyst (+)signals summed

Data Path : H:\AIR2025\CHEM20\09SEP\29\
Data File : 0930_25.D
Acq On : 1 Oct 2025 10:54 am
Operator :
Client ID : CCCAL 1
Lab ID : 1ppb ccal; T01516A
ALS Vial : 27 Sample Multiplier: 1

Quant Time: Oct 01 11:30:06 2025
Quant Method : H:\AIR2025\CHEM20\Methods\20_AIR_0909.M
Quant Title : VOA Standards for 5 point calibration
QLast Update : Wed Sep 10 12:52:46 2025
Response via : Initial Calibration



7A
AIR CONTINUING CALIBRATION CHECK

Lab Name: Phoenix Environmental Labs Client: FPMGROUP

Lab Code: Phoenix Case No.: SAS No.: SDG No.: GCU37304

Instrument: CHEM24 Calibration Date: 09/30/25 Time: 10:09

Lab File Id: 0930_02.D Init. Calib. Date(s): 09/23/25 09/23/25

Heated Purge (Y/N): Y Init. Calib. Times: 12:25 20:22

GC Column: RTX-1 Method File: 24_AIR_0923.M

COMPOUND	RRF	RRF1	RRF MIN	%D	% D LIMITS
Propylene	1.588	1.685		-6.1	30
Dichlorodifluoromethane	3.786	3.907		-3.2	30
Chloromethane	1.713	1.884		-10.0	30
1,2-Dichlorotetrafluoroethane	3.968	3.938		0.8	30
Vinyl Chloride	1.763	1.792		-1.6	30
1,3-Butadiene	1.378	1.441		-4.6	30
Bromomethane	1.449	1.446		0.2	30
Chloroethane	0.835	0.843		-1.0	30
Ethanol	0.604	0.714		-18.2	30
Acetone	2.854	3.125		-9.5	30
Trichlorofluoromethane	3.502	3.574		-2.1	30
Isopropylalcohol	3.346	3.540		-5.8	30
Acrylonitrile	1.095	1.193		-8.9	30
1,1-Dichloroethene	2.747	2.920		-6.3	30
Methylene Chloride	2.243	2.431		-8.4	30
Carbon Disulfide	4.682	4.715		-0.7	30
Trichlorotrifluoroethane	2.956	2.936		0.7	30
Trans-1,2-Dichloroethene	2.499	2.697		-7.9	30
1,1-Dichloroethane	3.174	3.377		-6.4	30
Methyl tert-butyl ether(MTBE)	4.457	4.435		0.5	30
Methyl Ethyl Ketone	4.028	4.365		-8.4	30
Cis-1,2-Dichloroethene	2.454	2.589		-5.5	30
Hexane	2.717	2.834		-4.3	30
Chloroform	3.378	3.470		-2.7	30
Ethyl acetate	0.591	0.607		-2.7	30
Tetrahydrofuran	2.062	2.297		-11.4	30
1,2-Dichloroethane	2.269	2.462		-8.5	30
1,1,1-Trichloroethane	3.086	3.145		-1.9	30
Benzene	5.524	5.576		-0.9	30
Carbon Tetrachloride	2.904	2.850		1.9	30
Cyclohexane	1.968	1.997		-1.5	30
1,2-dichloropropane	0.525	0.535		-1.9	30
Bromodichloromethane	0.940	0.942		-0.2	30
Trichloroethene	0.462	0.427		7.6	30
2,2,4-trimethylpentane	2.214	2.347		-6.0	30

(*) Recommended RRF not met (+) %D exceeds criteria % (#) %D exceeds (maximum) criteria
%D: 20% of target compounds are allowed to be above criteria %, but must be less than the (maximum) %D
(#) Maximum %D not met.

7B
AIR CONTINUING CALIBRATION CHECK

Lab Name: Phoenix Environmental Labs Client: FPMGROUP

Lab Code: Phoenix Case No.: SAS No.: SDG No.: GCU37304

Instrument: CHEM24 Calibration Date: 09/30/25 Time: 10:09

Lab File Id: 0930_02.D Init. Calib. Date(s): 09/23/25 09/23/25

Heated Purge (Y/N): Y Init. Calib. Times: 12:25 20:22

GC Column: RTX-1 Method File: 24_AIR_0923.M

COMPOUND	RRF	RRF1	RRF MIN	%D	% D LIMITS
1,4-Dioxane	0.242	0.231		4.5	30
Heptane	0.939	0.986		-5.0	30
cis-1,3-Dichloropropene	0.817	0.787		3.7	30
4-Methyl-2-pentanone(MIBK)	1.210	1.294		-6.9	30
trans-1,3-Dichloropropene	0.630	0.607		3.7	30
1,1,2-Trichloroethane	0.476	0.455		4.4	30
Toluene	1.353	1.332		1.6	30
Dibromochloromethane	0.796	0.739		7.2	30
2-Hexanone(MBK)	1.008	0.987		2.1	30
1,2-Dibromoethane(EDB)	0.760	0.729		4.1	30
Tetrachloroethene	0.534	0.490		8.2	30
1,1,1,2-Tetrachloroethane	0.898	0.874		2.7	30
Chlorobenzene	1.674	1.617		3.4	30
Ethylbenzene	2.862	2.953		-3.2	30
m,p-Xylene	2.121	1.773		16.4	30
Bromoform	1.151	1.002		12.9	30
Styrene	1.575	1.475		6.3	30
1,1,2,2-Tetrachloroethane	1.957	1.941		0.8	30
o-Xylene	2.331	2.276		2.4	30
Isopropylbenzene	2.956	3.017		-2.1	30
4-Ethyltoluene	2.994	2.858		4.5	30
1,3,5-Trimethylbenzene	2.363	2.547		-7.8	30
1,2,4-Trimethylbenzene	2.506	2.470		1.4	30
Benzyl chloride	1.839	1.390		24.4	30
1,3-Dichlorobenzene	1.448	1.214		16.2	30
1,4-Dichlorobenzene	1.368	1.093		20.1	30
sec-Butylbenzene	3.686	3.727		-1.1	30
4-Isopropyltoluene	3.152	3.097		1.7	30
1,2-Dichlorobenzene	1.352	1.185		12.4	30
n-Butylbenzene	2.896	2.824		2.5	30
1,2,4-Trichlorobenzene q	1.000	0.48		52.0 #	20
Naphthalene	1.910	1.227		35.8 #	30
Hexachlorobutadiene	0.948	0.853		10.0	30
1,2-Dichlorotetrafluoroethane(sim)	3.716	3.500		5.8	30
Vinyl Chloride(sim)	1.751	1.745		0.3	30

(*) Recommended RRF not met (+) %D exceeds criteria % (#) %D exceeds (maximum) criteria

%D: 20% of target compounds are allowed to be above criteria %, but must be less than the (maximum) %D

(#) Maximum %D not met.

7B
AIR CONTINUING CALIBRATION CHECK

Lab Name: Phoenix Environmental Labs Client: FPMGROUP

Lab Code: Phoenix Case No.: SAS No.: SDG No.: GCU37304

Instrument: CHEM24 Calibration Date: 09/30/25 Time: 10:09

Lab File Id: 0930_02.D Init. Calib. Date(s): 09/23/25 09/23/25

Heated Purge (Y/N): Y Init. Calib. Times: 12:25 20:22

GC Column: RTX-1 Method File: 24_AIR_0923.M

COMPOUND	RRF	RRF1	RRF MIN	%D	% D LIMITS
Bromomethane(sim)	1.513	1.285		15.1	30
Trichlorofluoromethane(sim)	3.469	3.542		-2.1	30
1,2-Dichloroethane(sim)	2.148	2.188		-1.9	30
1,1,1-Trichloroethane(sim)	3.091	3.084		0.2	30
Benzene(sim)	5.358	4.955		7.5	30
Carbon Tetrachloride(sim)	2.595	2.877		-10.9	30
1,1-Dichloroethene(sim)	2.553	2.595		-1.6	30
Trichlorotrifluoroethane(sim)	2.901	2.894		0.2	30
Trans-1,2-Dichloroethene(sim)	2.307	2.397		-3.9	30
1,1-Dichloroethane(sim)	3.091	3.226		-4.4	30
Cis-1,2-Dichloroethene(sim)	2.303	2.301		0.1	30
Chloroform(sim)	3.322	3.398		-2.3	30
1,2-dichloropropane(sim)	0.572	0.582		-1.7	30
Bromodichloromethane(sim)	0.899	0.942		-4.8	30
Trichloroethene(sim)	0.506	0.488		3.6	30
1,4-Dioxane(sim)	0.215	0.231		-7.4	30
cis-1,3-Dichloropropene(sim)	0.827	0.880		-6.4	30
1,1,2-Trichloroethane(sim)	0.470	0.455		3.2	30
Dibromochloromethane(sim)	0.793	0.822		-3.7	30
1,2-Dibromoethane(EDB)(sim)	0.724	0.729		-0.7	30
Tetrachloroethene(sim)	0.597	0.556		6.9	30
Bromoform(sim)	1.165	1.142		2.0	30
m,p-Xylene(sim)	2.388	2.244		6.0	30
1,1,2,2-Tetrachloroethane(sim)	2.172	2.127		2.1	30
Benzyl chloride(sim) qfi	1.000	0.89		11.0	20
1,3-Dichlorobenzene(sim)	1.497	1.492		0.3	30
1,4-Dichlorobenzene(sim)	1.292	1.093		15.4	30
sec-Butylbenzene(sim)	4.129	4.109		0.5	30
4-Isopropyltoluene(sim)	3.191	3.097		2.9	30
1,2-Dichlorobenzene(sim)	1.501	1.362		9.3	30
n-Butylbenzene(sim)	2.643	2.824		-6.8	30
1,2,4-Trichlorobenzene(sim) q	1.000	0.65		35.0 #	20
Hexachlorobutadiene(sim) qfi	1.000	0.91		9.0	20
% Bromofluorobenzene	1.151	1.164		-1.1	30

(*) Recommended RRF not met (+) %D exceeds criteria % (#) %D exceeds (maximum) criteria
%D: 20% of target compounds are allowed to be above criteria %, but must be less than the (maximum) %D
(#) Maximum %D not met.

Evaluate Continuing Calibration Report

Data Path : H:\AIR2025\CHEM24\09SEP\30\
 Data File : 0930_02.D
 Acq On : 30 Sep 2025 10:09 am
 Operator : Keith
 Client ID : BFB TUNE - CCAL 1
 Lab ID : 1ppb ccal; T01516A - 1ppb ccal; T01516A
 ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 30 13:58:21 2025
 Quant Method : H:\AIR2025\CHEM24\Methods\24_AIR_0923.M
 Quant Title : VOA Standards for 5 point calibration
 QLast Update : Wed Sep 24 13:58:02 2025
 Response via : Initial Calibration

Note: Curves (l,lf,q,qf) display calculated concentration.
 Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.20min
 Max. RRF Dev : 30% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%
1 Int	Bromochloromethane	1.000	1.000	0.0	84
2	Propylene	1.588	1.685	-6.1	
3	Dichlorodifluoromethane	3.786	3.907	-3.2	
4	Chloromethane	1.713	1.884	-10.0	
5	1,2-Dichlorotetrafluoroetha	3.968	3.938	0.8	
6	Vinyl Chloride	1.763	1.792	-1.6	
7	1,3-Butadiene	1.378	1.441	-4.6	
8	Bromomethane	1.449	1.446	0.2	
9	Chloroethane	0.835	0.843	-1.0	
11	Ethanol	0.604	0.714	-18.2	
12	Acetone	2.854	3.125	-9.5	
13	Trichlorofluoromethane	3.502	3.574	-2.1	
14	Isopropylalcohol	3.346	3.540	-5.8	
15	Acrylonitrile	1.095	1.193	-8.9	
16	1,1-Dichloroethene	2.747	2.920	-6.3	
17	Methylene Chloride	2.243	2.431	-8.4	
20	Carbon Disulfide	4.682	4.715	-0.7	
21	Trichlorotrifluoroethane	2.956	2.936	0.7	
22	Trans-1,2-Dichloroethene	2.499	2.697	-7.9	
23	1,1-Dichloroethane	3.174	3.377	-6.4	
24	Methyl tert-butyl ether(MTB)	4.457	4.435	0.5	
25	Methyl Ethyl Ketone	4.028	4.365	-8.4	
26	Cis-1,2-Dichloroethene	2.454	2.589	-5.5	
27	Hexane	2.717	2.834	-4.3	
28	Chloroform	3.378	3.470	-2.7	
29	Ethyl acetate	0.591	0.607	-2.7	
30	Tetrahydrofuran	2.062	2.297	-11.4	
31	1,2-Dichloroethane	2.269	2.462	-8.5	
32	1,1,1-Trichloroethane	3.086	3.145	-1.9	
33	Benzene	5.524	5.576	-0.9	
34	Carbon Tetrachloride	2.904	2.850	1.9	
35	Cyclohexane	1.968	1.997	-1.5	
36 Int	1,4-Difluorobenzene	1.000	1.000	0.0	84
37	1,2-dichloropropane	0.525	0.535	-1.9	
38	Bromodichloromethane	0.940	0.942	-0.2	
39	Trichloroethene	0.462	0.427	7.6	
40	2,2,4-trimethylpentane	2.214	2.347	-6.0	
41	1,4-Dioxane	0.242	0.231	4.5	
43	Heptane	0.939	0.986	-5.0	
44	cis-1,3-Dichloropropene	0.817	0.787	3.7	
45	4-Methyl-2-pentanone(MIBK)	1.210	1.294	-6.9	
46	trans-1,3-Dichloropropene	0.630	0.607	3.7	
47	1,1,2-Trichloroethane	0.476	0.455	4.4	
48	Toluene	1.353	1.332	1.6	
49	Dibromochloromethane	0.796	0.739	7.2	
50	2-Hexanone(MBK)	1.008	0.987	2.1	
51	1,2-Dibromoethane(EDB)	0.760	0.729	4.1	
52	Tetrachloroethene	0.534	0.490	8.2	
53 Int	Chlorobenzene-d5	1.000	1.000	0.0	87

Evaluate Continuing Calibration Report

Data Path : H:\AIR2025\CHEM24\09SEP\30\
 Data File : 0930_02.D
 Acq On : 30 Sep 2025 10:09 am
 Operator : Keith
 Client ID : BFB TUNE - CCAL 1
 Lab ID : 1ppb ccal; T01516A - 1ppb ccal; T01516A
 ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 30 13:58:21 2025
 Quant Method : H:\AIR2025\CHEM24\Methods\24_AIR_0923.M
 Quant Title : VOA Standards for 5 point calibration
 QLast Update : Wed Sep 24 13:58:02 2025
 Response via : Initial Calibration

Note: Curves (l,lf,q,qf) display calculated concentration.
 Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.20min
 Max. RRF Dev : 30% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%
54	1,1,1,2-Tetrachloroethane	0.898	0.874	2.7	
55	Chlorobenzene	1.674	1.617	3.4	
56	Ethylbenzene	2.862	2.953	-3.2	
57	m,p-Xylene	2.121	1.773	16.4	
58	Bromoform	1.151	1.002	12.9	
59	Styrene	1.575	1.475	6.3	
60	1,1,2,2-Tetrachloroethane	1.957	1.941	0.8	
61	o-Xylene	2.331	2.276	2.4	
62	Surr % Bromofluorobenzene	1.151	1.164	-1.1	
64	Isopropylbenzene	2.956	3.017	-2.1	
66	4-Ethyltoluene	2.994	2.858	4.5	
67	1,3,5-Trimethylbenzene	2.363	2.547	-7.8	
68	1,2,4-Trimethylbenzene	2.506	2.470	1.4	
70	Benzyl chloride	1.839	1.390	24.4	
71	1,3-Dichlorobenzene	1.448	1.214	16.2	
72	1,4-Dichlorobenzene	1.368	1.093	20.1	
73	sec-Butylbenzene	3.686	3.727	-1.1	
74	4-Isopropyltoluene	3.152	3.097	1.7	
75	1,2-Dichlorobenzene	1.352	1.185	12.4	
76	n-Butylbenzene	2.896	2.824	2.5	
77	qf 1,2,4-Trichlorobenzene	1.000	0.478	52.2#	
78	Naphthalene	1.910	1.227	35.8#	
79	Hexachlorobutadiene	0.948	0.853	10.0	
80	int Bromochloromethane(sim)	1.000	1.000	0.0	86
81	1,2-Dichlorotetrafluoroetha	3.716	3.500	5.8	
82	Vinyl Chloride(sim)	1.751	1.745	0.3	
83	Bromomethane(sim)	1.513	1.285	15.1	
84	Trichlorofluoromethane(sim)	3.469	3.542	-2.1	
85	1,2-Dichloroethane(sim)	2.148	2.188	-1.9	
86	1,1,1-Trichloroethane(sim)	3.091	3.084	0.2	
87	Benzene(sim)	5.358	4.955	7.5	
88	Carbon Tetrachloride(sim)	2.595	2.877	-10.9	
89	1,1-Dichloroethene(sim)	2.553	2.595	-1.6	
90	Trichlorotrifluoroethane(si	2.901	2.894	0.2	
91	Trans-1,2-Dichloroethene(si	2.307	2.397	-3.9	
92	1,1-Dichloroethane(sim)	3.091	3.226	-4.4	
93	Cis-1,2-Dichloroethene(sim)	2.303	2.301	0.1	
94	Chloroform(sim)	3.322	3.398	-2.3	
95	int 1,4-Difluorobenzene(sim)	1.000	1.000	0.0	84
96	1,2-dichloropropane(sim)	0.572	0.582	-1.7	
97	Bromodichloromethane(sim)	0.899	0.942	-4.8	
98	Trichloroethene(sim)	0.506	0.488	3.6	
99	1,4-Dioxane(sim)	0.215	0.231	-7.4	
100	cis-1,3-Dichloropropene(sim	0.827	0.880	-6.4	
101	1,1,2-Trichloroethane(sim)	0.470	0.455	3.2	
102	Dibromochloromethane(sim)	0.793	0.822	-3.7	
103	1,2-Dibromoethane(EDB)(sim)	0.724	0.729	-0.7	
104	Tetrachloroethene(sim)	0.597	0.556	6.9	

Evaluate Continuing Calibration Report

Data Path : H:\AIR2025\CHEM24\09SEP\30\
 Data File : 0930_02.D
 Acq On : 30 Sep 2025 10:09 am
 Operator : Keith
 Client ID : BFB TUNE - CCAL 1
 Lab ID : 1ppb ccal; T01516A - 1ppb ccal; T01516A
 ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 30 13:58:21 2025
 Quant Method : H:\AIR2025\CHEM24\Methods\24_AIR_0923.M
 Quant Title : VOA Standards for 5 point calibration
 QLast Update : Wed Sep 24 13:58:02 2025
 Response via : Initial Calibration

Note: Curves (l,lf,q,qf) display calculated concentration.
 Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.20min
 Max. RRF Dev : 30% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%
105 int	Chlorobenzene-d5(sim)	1.000	1.000	0.0	87
106	Bromoform(sim)	1.165	1.142	2.0	
107	m,p-Xylene(sim)	2.388	2.244	6.0	
108	1,1,2,2-Tetrachloroethane(s	2.172	2.127	2.1	
109 qf	Benzyl chloride(sim)	1.000	0.892	10.8	
110	1,3-Dichlorobenzene(sim)	1.497	1.492	0.3	
111	1,4-Dichlorobenzene(sim)	1.292	1.093	15.4	
112	sec-Butylbenzene(sim)	4.129	4.109	0.5	
113	4-Isopropyltoluene(sim)	3.191	3.097	2.9	
114	1,2-Dichlorobenzene(sim)	1.501	1.362	9.3	
115	n-Butylbenzene(sim)	2.643	2.824	-6.8	
116 qf	1,2,4-Trichlorobenzene(sim)	1.000	0.648	35.2	
118 qf	Hexachlorobutadiene(sim)	1.000	0.905	9.5	

(#)=Out of Range l=linear, lf=liner(0,0), q=quadratic, qf=quadratic(0,0)
 Laboratory Warning Limits Out = 0

Data Path : H:\AIR2025\CHEM24\09SEP\30\
 Data File : 0930_02.D
 Acq On : 30 Sep 2025 10:09 am
 Operator : Keith
 Client ID : BFB TUNE - CCAL 1
 Lab ID : 1ppb ccal; T01516A - 1ppb ccal; T01516A
 ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 30 13:58:21 2025
 Quant Method : H:\AIR2025\CHEM24\Methods\24_AIR_0923.M
 Quant Title : VOA Standards for 5 point calibration
 QLast Update : Wed Sep 24 13:58:02 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	7.467	130	158596	10.000	ng	0.00
36) 1,4-Difluorobenzene	8.632	114	639917	10.000	ng	0.00
53) Chlorobenzene-d5	11.111	82	376333	10.000	ng	0.00
80) Bromochloromethane(sim)	7.470	130	178461	10.000	ng	# 0.00
95) 1,4-Difluorobenzene(sim)	8.632	114	639917	10.000	ng	0.00
105) Chlorobenzene-d5(sim)	11.111	82	376333	10.000	ng	0.00
System Monitoring Compounds						
62) % Bromofluorobenzene	11.945	95	438190	10.114	ppbv	0.00
Spiked Amount	10.000	Range	70 - 130	Recovery	=	101.10%
Target Compounds						
					Qvalue	
2) Propylene	4.029	41	26721	1.061	ppbv	97
3) Dichlorodifluoromethane	4.095	85	61956	1.032	ppbv	97
4) Chloromethane	4.253	50	29879	1.100	ppbv	99
5) 1,2-Dichlorotetrafluor...	4.344	85	62453	0.992	ppbv#	60
6) Vinyl Chloride	4.452	62	28423	1.016	ppbv	98
7) 1,3-Butadiene	4.568	54	22850	1.046	ppbv	94
8) Bromomethane	4.800	94	22926	0.998	ppbv	95
9) Chloroethane	4.941	64	13368	1.009	ppbv	93
11) Ethanol	5.024	45	11322	1.182	ppbv#	93
12) Acetone	5.400	43	49558	1.095	ppbv	92
13) Trichlorofluoromethane	5.529	101	56684	1.021	ppbv#	98
14) Isopropylalcohol	5.572	45	56148	1.058	ppbv#	92
15) Acrylonitrile	5.731	53	18920	1.089	ppbv	97
16) 1,1-Dichloroethene	5.987	61	46306	1.063	ppbv	90
17) Methylene Chloride	6.058	49	38547	1.084	ppbv	99
20) Carbon Disulfide	6.296	76	74775	1.007	ppbv	100
21) Trichlorotrifluoroethane	6.237	101	46563	0.993	ppbv#	75
22) Trans-1,2-Dichloroethene	6.688	61	42773	1.079	ppbv	91
23) 1,1-Dichloroethane	6.826	63	53552	1.064	ppbv	98
24) Methyl tert-butyl ethe...	6.858	73	70340	0.995	ppbv	93
25) Methyl Ethyl Ketone	7.061	43	69223	1.084	ppbv#	97
26) Cis-1,2-Dichloroethene	7.353	61	41068	1.055	ppbv	92
27) Hexane	7.475	57	44950	1.043	ppbv#	89
28) Chloroform	7.540	83	55039	1.027	ppbv	98
29) Ethyl acetate	7.459	61	9623	1.026	ppbv#	79
30) Tetrahydrofuran	7.799	42	36422	1.114	ppbv	95
31) 1,2-Dichloroethane	8.010	62	39052	1.085	ppbv	98
32) 1,1,1-Trichloroethane	8.172	97	49879	1.019	ppbv	94
33) Benzene	8.450	78	88432	1.009	ppbv	97
34) Carbon Tetrachloride	8.545	117	45194	0.981	ppbv	99
35) Cyclohexane	8.623	84	31665	1.015	ppbv	89
37) 1,2-dichloropropane	8.935	63	34211	1.018	ppbv#	92
38) Bromodichloromethane	9.047	83	60293	1.002	ppbv	95
39) Trichloroethene	9.064	130	27347	0.926	ppbv#	88
40) 2,2,4-trimethylpentane	9.073	57	150208	1.060	ppbv	93
41) 1,4-Dioxane	9.056	88	14786	0.955	ppbv#	89
43) Heptane	9.203	43	63117	1.050	ppbv	90
44) cis-1,3-Dichloropropene	9.548	75	50366	0.964	ppbv	91
45) 4-Methyl-2-pentanone(M...	9.555	43	82837	1.070	ppbv	96
46) trans-1,3-Dichloropropene	9.844	75	38821	0.963	ppbv#	92
47) 1,1,2-Trichloroethane	9.957	97	29139	0.957	ppbv	89
48) Toluene	10.118	91	85239	0.984	ppbv	98

Data Path : H:\AIR2025\CHEM24\09SEP\30\
 Data File : 0930_02.D
 Acq On : 30 Sep 2025 10:09 am
 Operator : Keith
 Client ID : BFB TUNE - CCAL 1
 Lab ID : 1ppb ccal; T01516A - 1ppb ccal; T01516A
 ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 30 13:58:21 2025
 Quant Method : H:\AIR2025\CHEM24\Methods\24_AIR_0923.M
 Quant Title : VOA Standards for 5 point calibration
 QLast Update : Wed Sep 24 13:58:02 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
49) Dibromochloromethane	10.372	129	47313	0.928	ppbv	98
50) 2-Hexanone(MBK)	10.231	43	63163	0.979	ppbv	91
51) 1,2-Dibromoethane(EDB)	10.513	107	46681	0.960	ppbv	97
52) Tetrachloroethene	10.759	166	31346	0.918	ppbv	95
54) 1,1,1,2-Tetrachloroethane	11.119	131	32910	0.974	ppbv	99
55) Chlorobenzene	11.134	112	60851	0.966	ppbv#	77
56) Ethylbenzene	11.323	91	111139	1.032	ppbv	91
57) m, p-Xylene	11.422	91	166826	2.090	ppbv	91
58) Bromoform	11.498	173	37699	0.871	ppbv	99
59) Styrene	11.627	104	55491	0.936	ppbv#	84
60) 1,1,2,2-Tetrachloroethane	11.680	83	73049	0.992	ppbv#	86
61) o-Xylene	11.687	91	85650	0.976	ppbv	90
64) Isopropylbenzene	12.006	105	113524	1.021	ppbv#	94
66) 4-Ethyltoluene	12.379	105	107557	0.954	ppbv#	94
67) 1,3,5-Trimethylbenzene	12.418	105	95867	1.078	ppbv#	87
68) 1,2,4-Trimethylbenzene	12.667	105	92945	0.986	ppbv#	89
70) Benzyl chloride	12.768	91	52328	0.756	ppbv#	91
71) 1,3-Dichlorobenzene	12.783	146	45675	0.838	ppbv#	94
72) 1,4-Dichlorobenzene	12.822	146	41148	0.800	ppbv	95
73) sec-Butylbenzene	12.830	105	140254	1.011	ppbv#	92
74) 4-Isopropyltoluene	12.923	119	116569	0.983	ppbv#	90
75) 1,2-Dichlorobenzene	13.048	146	44610	0.877	ppbv#	93
76) n-Butylbenzene	13.188	91	106273	0.975	ppbv#	90
77) 1,2,4-Trichlorobenzene	14.229	180	12831	0.478	ppbv	99
78) Naphthalene	14.330	128	46164	0.642	ppbv#	100
79) Hexachlorobutadiene	14.579	225	32088	0.899	ppbv	98
81] 1,2-Dichlorotetrafluor...	4.344	85	62453	0.942	ppbv#	60
82] Vinyl Chloride(sim)	4.447	62	31141	0.997	ppbv	98
83] Bromomethane(sim)	4.800	94	22926	0.849	ppbv	95
84] Trichlorofluoromethane...	5.532	101	63215	1.021	ppbv#	97
85] 1,2-Dichloroethane(sim)	8.010	62	39052	1.019	ppbv	98
86] 1,1,1-Trichloroethane(...	8.175	97	55035	0.998	ppbv#	94
87] Benzene(sim)	8.450	78	88432	0.925	ppbv	97
88] Carbon Tetrachloride(sim)	8.548	117	51338	1.109	ppbv	98
89] 1,1-Dichloroethene(sim)	5.987	61	46306	1.016	ppbv	90
90] Trichlorotrifluoroetha...	6.240	101	51642	0.997	ppbv#	85
91] Trans-1,2-Dichloroethe...	6.688	61	42773	1.039	ppbv	91
92] 1,1-Dichloroethane(sim)	6.821	63	57574	1.044	ppbv	97
93] Cis-1,2-Dichloroethene...	7.353	61	41068	0.999	ppbv	92
94] Chloroform(sim)	7.543	83	60637	1.023	ppbv	99
96] 1,2-dichloropropane(sim)	8.929	63	37272	1.018	ppbv#	88
97] Bromodichloromethane(sim)	9.047	83	60293	1.048	ppbv	98
98] Trichloroethene(sim)	9.067	130	31245	0.964	ppbv#	85
99] 1,4-Dioxane(sim)	9.056	88	14786	1.072	ppbv#	89
100] cis-1,3-Dichloropropen...	9.551	75	56327	1.064	ppbv#	92
101] 1,1,2-Trichloroethane(...	9.957	97	29139	0.968	ppbv	89
102] Dibromochloromethane(sim)	10.368	129	52576	1.036	ppbv	98
103] 1,2-Dibromoethane(EDB)...	10.513	107	46681	1.008	ppbv	97
104] Tetrachloroethene(sim)	10.755	166	35607	0.932	ppbv	97
106] Bromoform(sim)	11.501	173	42982	0.980	ppbv	99
107] m, p-Xylene(sim)	11.422	91	168908	1.879	ppbv#	90
108] 1,1,2,2-Tetrachloroeth...	11.683	83	80063	0.980	ppbv#	97
109] Benzyl chloride(sim)	12.768	91	52328	0.892	ppbv	91
110] 1,3-Dichlorobenzene(sim)	12.786	146	56144	0.997	ppbv	97
111] 1,4-Dichlorobenzene(sim)	12.822	146	41148	0.846	ppbv	95

Data Path : H:\AIR2025\CHEM24\09SEP\30\
Data File : 0930_02.D
Acq On : 30 Sep 2025 10:09 am
Operator : Keith
Client ID : BFB TUNE - CCAL 1
Lab ID : 1ppb ccal; T01516A - 1ppb ccal; T01516A
ALS Vial : 2 Sample Multiplier: 1

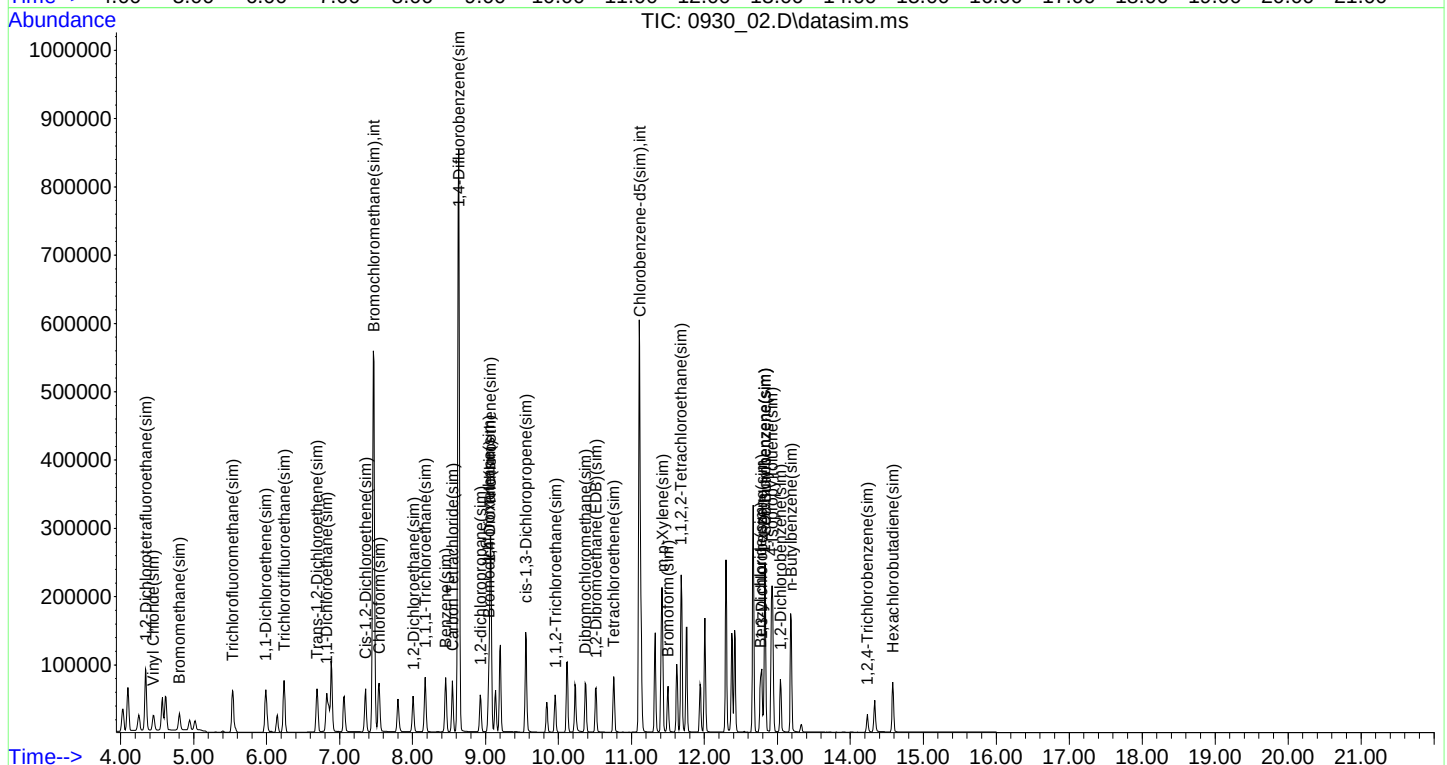
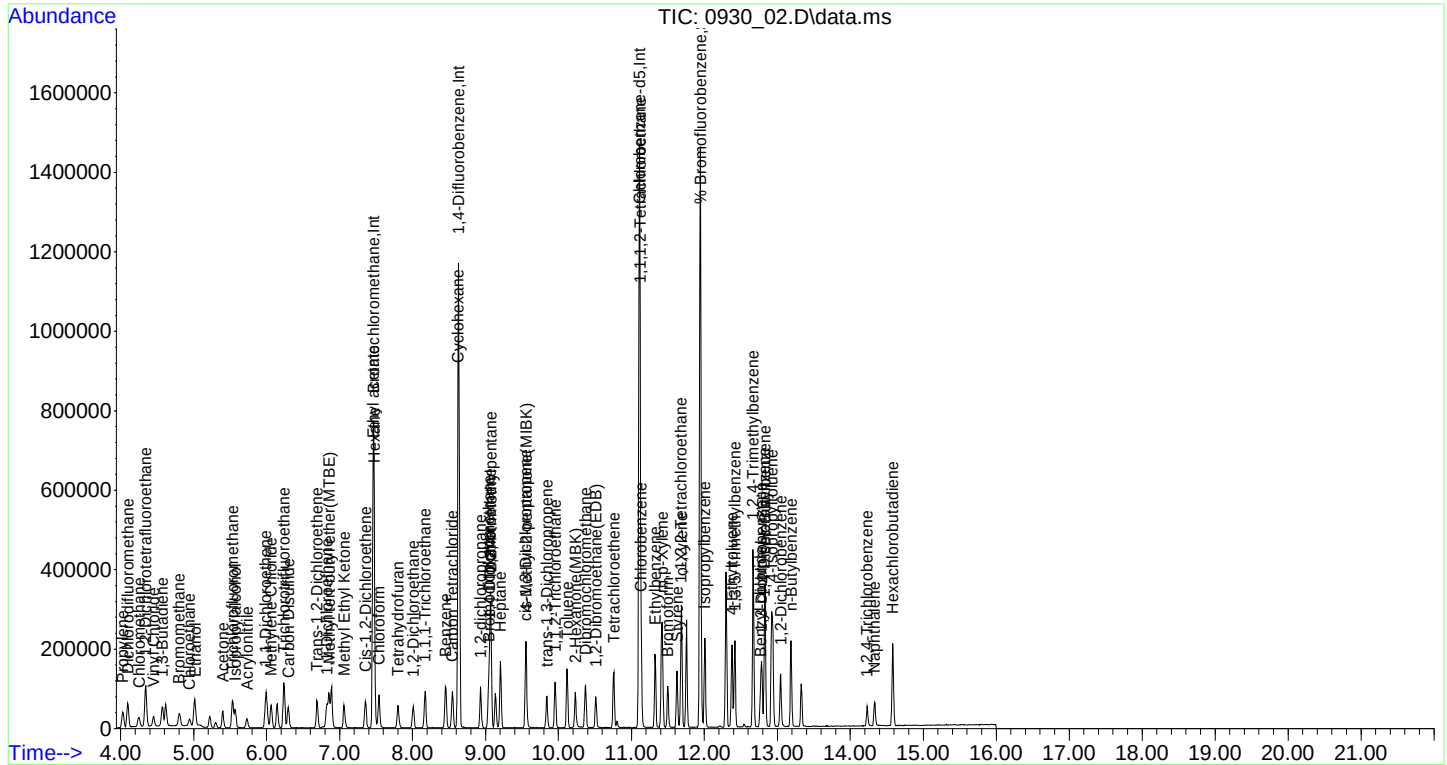
Quant Time: Sep 30 13:58:21 2025
Quant Method : H:\AIR2025\CHEM24\Methods\24_AIR_0923.M
Quant Title : VOA Standards for 5 point calibration
QLast Update : Wed Sep 24 13:58:02 2025
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
112]	sec-Butylbenzene(sim)	12.833	105	154642	0.995	ppbv	92
113]	4-Isopropyltoluene(sim)	12.923	119	116569	0.971	ppbv#	90
114]	1,2-Dichlorobenzene(sim)	13.043	146	51242	0.907	ppbv	94
115]	n-Butylbenzene(sim)	13.188	91	106273	1.069	ppbv	90
116]	1,2,4-Trichlorobenzene...	14.232	180	16130	0.648	ppbv	99
118]	Hexachlorobutadiene(sim)	14.582	225	40435	0.905	ppbv	97

(#)out of range (m)manual integration reviewed by analyst (+)signals summed

Data Path : H:\AIR2025\CHEM24\09SEP\30\
Data File : 0930_02.D
Acq On : 30 Sep 2025 10:09 am
Operator : Keith
Client ID : BFB TUNE - CCAL 1
Lab ID : 1ppb ccal; T01516A - 1ppb ccal; T01516A
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 30 13:58:21 2025
Quant Method : H:\AIR2025\CHEM24\Methods\24_AIR_0923.M
Quant Title : VOA Standards for 5 point calibration
QLast Update : Wed Sep 24 13:58:02 2025
Response via : Initial Calibration



7A
AIR CONTINUING CALIBRATION CHECK

Lab Name: Phoenix Environmental Labs Client: FPMGROUP

Lab Code: Phoenix Case No.: SAS No.: SDG No.: GCU37304

Instrument: CHEM24 Calibration Date: 10/01/25 Time: 09:18

Lab File Id: 0930_27.D Init. Calib. Date(s): 09/23/25 09/23/25

Heated Purge (Y/N): Y Init. Calib. Times: 12:25 20:22

GC Column: RTX-1 Method File: 24_AIR_0923.M

COMPOUND	RRF	RRF50	RRF MIN	%D	% D LIMITS
Propylene	1.588	1.663		-4.7	30
Dichlorodifluoromethane	3.786	3.740		1.2	30
Chloromethane	1.713	1.783		-4.1	30
1,2-Dichlorotetrafluoroethane	3.968	3.730		6.0	30
Vinyl Chloride	1.763	1.783		-1.1	30
1,3-Butadiene	1.378	1.400		-1.6	30
Bromomethane	1.449	1.355		6.5	30
Chloroethane	0.835	0.821		1.7	30
Ethanol	0.604	0.669		-10.8	30
Acetone	2.854	2.966		-3.9	30
Trichlorofluoromethane	3.502	3.366		3.9	30
Isopropylalcohol	3.346	3.337		0.3	30
Acrylonitrile	1.095	1.152		-5.2	30
1,1-Dichloroethene	2.747	2.766		-0.7	30
Methylene Chloride	2.243	2.298		-2.5	30
Carbon Disulfide	4.682	4.518		3.5	30
Trichlorotrifluoroethane	2.956	2.807		5.0	30
Trans-1,2-Dichloroethene	2.499	2.486		0.5	30
1,1-Dichloroethane	3.174	3.161		0.4	30
Methyl tert-butyl ether(MTBE)	4.457	4.352		2.4	30
Methyl Ethyl Ketone	4.028	4.048		-0.5	30
Cis-1,2-Dichloroethene	2.454	2.462		-0.3	30
Hexane	2.717	2.706		0.4	30
Chloroform	3.378	3.338		1.2	30
Ethyl acetate	0.591	0.592		-0.2	30
Tetrahydrofuran	2.062	2.094		-1.6	30
1,2-Dichloroethane	2.269	2.331		-2.7	30
1,1,1-Trichloroethane	3.086	3.038		1.6	30
Benzene	5.524	5.525		0.0	30
Carbon Tetrachloride	2.904	2.735		5.8	30
Cyclohexane	1.968	1.988		-1.0	30
1,2-dichloropropane	0.525	0.518		1.3	30
Bromodichloromethane	0.940	0.900		4.3	30
Trichloroethene	0.462	0.410		11.3	30
2,2,4-trimethylpentane	2.214	2.237		-1.0	30

(*) Recommended RRF not met (+) %D exceeds criteria % (#) %D exceeds (maximum) criteria
%D: 20% of target compounds are allowed to be above criteria %, but must be less than the (maximum) %D
(#) Maximum %D not met.

7B
AIR CONTINUING CALIBRATION CHECK

Lab Name: Phoenix Environmental Labs Client: FPMGROUP

Lab Code: Phoenix Case No.: SAS No.: SDG No.: GCU37304

Instrument: CHEM24 Calibration Date: 10/01/25 Time: 09:18

Lab File Id: 0930_27.D Init. Calib. Date(s): 09/23/25 09/23/25

Heated Purge (Y/N): Y Init. Calib. Times: 12:25 20:22

GC Column: RTX-1 Method File: 24_AIR_0923.M

COMPOUND	RRF	RRF50	RRF MIN	%D	% D LIMITS
1,4-Dioxane	0.242	0.235		2.9	30
Heptane	0.939	0.945		-0.6	30
cis-1,3-Dichloropropene	0.817	0.782		4.3	30
4-Methyl-2-pentanone(MIBK)	1.210	1.256		-3.8	30
trans-1,3-Dichloropropene	0.630	0.611		3.0	30
1,1,2-Trichloroethane	0.476	0.431		9.5	30
Toluene	1.353	1.294		4.4	30
Dibromochloromethane	0.796	0.723		9.2	30
2-Hexanone(MBK)	1.008	1.026		-1.8	30
1,2-Dibromoethane(EDB)	0.760	0.710		6.6	30
Tetrachloroethene	0.534	0.455		14.8	30
1,1,1,2-Tetrachloroethane	0.898	0.858		4.5	30
Chlorobenzene	1.674	1.582		5.5	30
Ethylbenzene	2.862	2.831		1.1	30
m,p-Xylene	2.121	1.749		17.5	30
Bromoform	1.151	1.007		12.5	30
Styrene	1.575	1.435		8.9	30
1,1,2,2-Tetrachloroethane	1.957	1.875		4.2	30
o-Xylene	2.331	2.255		3.3	30
Isopropylbenzene	2.956	2.897		2.0	30
4-Ethyltoluene	2.994	2.902		3.1	30
1,3,5-Trimethylbenzene	2.363	2.265		4.1	30
1,2,4-Trimethylbenzene	2.506	2.378		5.1	30
Benzyl chloride	1.839	1.477		19.7	30
1,3-Dichlorobenzene	1.448	1.165		19.5	30
1,4-Dichlorobenzene	1.368	1.136		17.0	30
sec-Butylbenzene	3.686	3.663		0.6	30
4-Isopropyltoluene	3.152	2.917		7.5	30
1,2-Dichlorobenzene	1.352	1.129		16.5	30
n-Butylbenzene	2.896	2.704		6.6	30
1,2,4-Trichlorobenzene q	1.000	0.56		44.0 #	20
Naphthalene	1.910	1.301		31.9 #	30
Hexachlorobutadiene	0.948	0.820		13.5	30
1,2-Dichlorotetrafluoroethane(sim)	3.716	3.334		10.3	30
Vinyl Chloride(sim)	1.751	1.679		4.1	30

(*) Recommended RRF not met (+) %D exceeds criteria % (#) %D exceeds (maximum) criteria

%D: 20% of target compounds are allowed to be above criteria %, but must be less than the (maximum) %D

(#) Maximum %D not met.

7B
AIR CONTINUING CALIBRATION CHECK

Lab Name: Phoenix Environmental Labs Client: FPMGROUP

Lab Code: Phoenix Case No.: SAS No.: SDG No.: GCU37304

Instrument: CHEM24 Calibration Date: 10/01/25 Time: 09:18

Lab File Id: 0930_27.D Init. Calib. Date(s): 09/23/25 09/23/25

Heated Purge (Y/N): Y Init. Calib. Times: 12:25 20:22

GC Column: RTX-1 Method File: 24_AIR_0923.M

COMPOUND	RRF	RRF50	RRF MIN	%D	% D LIMITS
Bromomethane(sim)	1.513	1.211		20.0	30
Trichlorofluoromethane(sim)	3.469	3.374		2.7	30
1,2-Dichloroethane(sim)	2.148	2.083		3.0	30
1,1,1-Trichloroethane(sim)	3.091	3.007		2.7	30
Benzene(sim)	5.358	4.938		7.8	30
Carbon Tetrachloride(sim)	2.595	2.800		-7.9	30
1,1-Dichloroethene(sim)	2.553	2.472		3.2	30
Trichlorotrifluoroethane(sim)	2.901	2.771		4.5	30
Trans-1,2-Dichloroethene(sim)	2.307	2.222		3.7	30
1,1-Dichloroethane(sim)	3.091	3.093		-0.1	30
Cis-1,2-Dichloroethene(sim)	2.303	2.201		4.4	30
Chloroform(sim)	3.322	3.238		2.5	30
1,2-dichloropropane(sim)	0.572	0.561		1.9	30
Bromodichloromethane(sim)	0.899	0.900		-0.1	30
Trichloroethene(sim)	0.506	0.464		8.3	30
1,4-Dioxane(sim)	0.215	0.235		-9.3	30
cis-1,3-Dichloropropene(sim)	0.827	0.859		-3.9	30
1,1,2-Trichloroethane(sim)	0.470	0.431		8.3	30
Dibromochloromethane(sim)	0.793	0.806		-1.6	30
1,2-Dibromoethane(EDB)(sim)	0.724	0.710		1.9	30
Tetrachloroethene(sim)	0.597	0.529		11.4	30
Bromoform(sim)	1.165	1.114		4.4	30
m,p-Xylene(sim)	2.388	2.214		7.3	30
1,1,2,2-Tetrachloroethane(sim)	2.172	2.065		4.9	30
Benzyl chloride(sim) qfi	1.000	0.94		6.0	20
1,3-Dichlorobenzene(sim)	1.497	1.405		6.1	30
1,4-Dichlorobenzene(sim)	1.292	1.136		12.1	30
sec-Butylbenzene(sim)	4.129	4.021		2.6	30
4-Isopropyltoluene(sim)	3.191	2.917		8.6	30
1,2-Dichlorobenzene(sim)	1.501	1.325		11.7	30
n-Butylbenzene(sim)	2.643	2.704		-2.3	30
1,2,4-Trichlorobenzene(sim) q	1.000	0.70		30.0 #	20
Hexachlorobutadiene(sim) qfi	1.000	0.85		15.0	20
% Bromofluorobenzene	1.151	1.159		-0.7	30

(*) Recommended RRF not met (+) %D exceeds criteria % (#) %D exceeds (maximum) criteria
%D: 20% of target compounds are allowed to be above criteria %, but must be less than the (maximum) %D
(#) Maximum %D not met.

Evaluate Continuing Calibration Report

Data Path : H:\AIR2025\CHEM24\09SEP\30\
 Data File : 0930_27.D
 Acq On : 1 Oct 2025 9:18 am
 Operator : Keith
 Client ID : CCCAL 1
 Lab ID : 1ppb ccal; T01516A
 ALS Vial : 27 Sample Multiplier: 1

Quant Time: Oct 01 11:05:38 2025
 Quant Method : H:\AIR2025\CHEM24\Methods\24_AIR_0923.M
 Quant Title : VOA Standards for 5 point calibration
 QLast Update : Wed Sep 24 13:58:02 2025
 Response via : Initial Calibration

Note: Curves (l,lf,q,qf) display calculated concentration.
 Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.20min
 Max. RRF Dev : 30% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%
1 Int	Bromochloromethane	1.000	1.000	0.0	81
2	Propylene	1.588	1.663	-4.7	
3	Dichlorodifluoromethane	3.786	3.740	1.2	
4	Chloromethane	1.713	1.783	-4.1	
5	1,2-Dichlorotetrafluoroetha	3.968	3.730	6.0	
6	Vinyl Chloride	1.763	1.783	-1.1	
7	1,3-Butadiene	1.378	1.400	-1.6	
8	Bromomethane	1.449	1.355	6.5	
9	Chloroethane	0.835	0.821	1.7	
11	Ethanol	0.604	0.669	-10.8	
12	Acetone	2.854	2.966	-3.9	
13	Trichlorofluoromethane	3.502	3.366	3.9	
14	Isopropylalcohol	3.346	3.337	0.3	
15	Acrylonitrile	1.095	1.152	-5.2	
16	1,1-Dichloroethene	2.747	2.766	-0.7	
17	Methylene Chloride	2.243	2.298	-2.5	
20	Carbon Disulfide	4.682	4.518	3.5	
21	Trichlorotrifluoroethane	2.956	2.807	5.0	
22	Trans-1,2-Dichloroethene	2.499	2.486	0.5	
23	1,1-Dichloroethane	3.174	3.161	0.4	
24	Methyl tert-butyl ether(MTB)	4.457	4.352	2.4	
25	Methyl Ethyl Ketone	4.028	4.048	-0.5	
26	Cis-1,2-Dichloroethene	2.454	2.462	-0.3	
27	Hexane	2.717	2.706	0.4	
28	Chloroform	3.378	3.338	1.2	
29	Ethyl acetate	0.591	0.592	-0.2	
30	Tetrahydrofuran	2.062	2.094	-1.6	
31	1,2-Dichloroethane	2.269	2.331	-2.7	
32	1,1,1-Trichloroethane	3.086	3.038	1.6	
33	Benzene	5.524	5.525	-0.0	
34	Carbon Tetrachloride	2.904	2.735	5.8	
35	Cyclohexane	1.968	1.988	-1.0	
36 Int	1,4-Difluorobenzene	1.000	1.000	0.0	81
37	1,2-dichloropropane	0.525	0.518	1.3	
38	Bromodichloromethane	0.940	0.900	4.3	
39	Trichloroethene	0.462	0.410	11.3	
40	2,2,4-trimethylpentane	2.214	2.237	-1.0	
41	1,4-Dioxane	0.242	0.235	2.9	
43	Heptane	0.939	0.945	-0.6	
44	cis-1,3-Dichloropropene	0.817	0.782	4.3	
45	4-Methyl-2-pentanone(MIBK)	1.210	1.256	-3.8	
46	trans-1,3-Dichloropropene	0.630	0.611	3.0	
47	1,1,2-Trichloroethane	0.476	0.431	9.5	
48	Toluene	1.353	1.294	4.4	
49	Dibromochloromethane	0.796	0.723	9.2	
50	2-Hexanone(MBK)	1.008	1.026	-1.8	
51	1,2-Dibromoethane(EDB)	0.760	0.710	6.6	
52	Tetrachloroethene	0.534	0.455	14.8	
53 Int	Chlorobenzene-d5	1.000	1.000	0.0	84

Evaluate Continuing Calibration Report

Data Path : H:\AIR2025\CHEM24\09SEP\30\
 Data File : 0930_27.D
 Acq On : 1 Oct 2025 9:18 am
 Operator : Keith
 Client ID : CCCAL 1
 Lab ID : 1ppb ccal; T01516A
 ALS Vial : 27 Sample Multiplier: 1

Quant Time: Oct 01 11:05:38 2025
 Quant Method : H:\AIR2025\CHEM24\Methods\24_AIR_0923.M
 Quant Title : VOA Standards for 5 point calibration
 QLast Update : Wed Sep 24 13:58:02 2025
 Response via : Initial Calibration

Note: Curves (l,lf,q,qf) display calculated concentration.
 Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.20min
 Max. RRF Dev : 30% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%
54	1,1,1,2-Tetrachloroethane	0.898	0.858	4.5	
55	Chlorobenzene	1.674	1.582	5.5	
56	Ethylbenzene	2.862	2.831	1.1	
57	m,p-Xylene	2.121	1.749	17.5	
58	Bromoform	1.151	1.007	12.5	
59	Styrene	1.575	1.435	8.9	
60	1,1,2,2-Tetrachloroethane	1.957	1.875	4.2	
61	o-Xylene	2.331	2.255	3.3	
62	Surr % Bromofluorobenzene	1.151	1.159	-0.7	
64	Isopropylbenzene	2.956	2.897	2.0	
66	4-Ethyltoluene	2.994	2.902	3.1	
67	1,3,5-Trimethylbenzene	2.363	2.265	4.1	
68	1,2,4-Trimethylbenzene	2.506	2.378	5.1	
70	Benzyl chloride	1.839	1.477	19.7	
71	1,3-Dichlorobenzene	1.448	1.165	19.5	
72	1,4-Dichlorobenzene	1.368	1.136	17.0	
73	sec-Butylbenzene	3.686	3.663	0.6	
74	4-Isopropyltoluene	3.152	2.917	7.5	
75	1,2-Dichlorobenzene	1.352	1.129	16.5	
76	n-Butylbenzene	2.896	2.704	6.6	
77	qf 1,2,4-Trichlorobenzene	1.000	0.561	43.9#	
78	Naphthalene	1.910	1.301	31.9#	
79	Hexachlorobutadiene	0.948	0.820	13.5	
80	int Bromochloromethane(sim)	1.000	1.000	0.0	82
81	1,2-Dichlorotetrafluoroetha	3.716	3.334	10.3	
82	Vinyl Chloride(sim)	1.751	1.679	4.1	
83	Bromomethane(sim)	1.513	1.211	20.0	
84	Trichlorofluoromethane(sim)	3.469	3.374	2.7	
85	1,2-Dichloroethane(sim)	2.148	2.083	3.0	
86	1,1,1-Trichloroethane(sim)	3.091	3.007	2.7	
87	Benzene(sim)	5.358	4.938	7.8	
88	Carbon Tetrachloride(sim)	2.595	2.800	-7.9	
89	1,1-Dichloroethene(sim)	2.553	2.472	3.2	
90	Trichlorotrifluoroethane(si	2.901	2.771	4.5	
91	Trans-1,2-Dichloroethene(si	2.307	2.222	3.7	
92	1,1-Dichloroethane(sim)	3.091	3.093	-0.1	
93	Cis-1,2-Dichloroethene(sim)	2.303	2.201	4.4	
94	Chloroform(sim)	3.322	3.238	2.5	
95	int 1,4-Difluorobenzene(sim)	1.000	1.000	0.0	81
96	1,2-dichloropropane(sim)	0.572	0.561	1.9	
97	Bromodichloromethane(sim)	0.899	0.900	-0.1	
98	Trichloroethene(sim)	0.506	0.464	8.3	
99	1,4-Dioxane(sim)	0.215	0.235	-9.3	
100	cis-1,3-Dichloropropene(sim	0.827	0.859	-3.9	
101	1,1,2-Trichloroethane(sim)	0.470	0.431	8.3	
102	Dibromochloromethane(sim)	0.793	0.806	-1.6	
103	1,2-Dibromoethane(EDB)(sim)	0.724	0.710	1.9	
104	Tetrachloroethene(sim)	0.597	0.529	11.4	

Evaluate Continuing Calibration Report

Data Path : H:\AIR2025\CHEM24\09SEP\30\
 Data File : 0930_27.D
 Acq On : 1 Oct 2025 9:18 am
 Operator : Keith
 Client ID : CCCAL 1
 Lab ID : 1ppb ccal; T01516A
 ALS Vial : 27 Sample Multiplier: 1

Quant Time: Oct 01 11:05:38 2025
 Quant Method : H:\AIR2025\CHEM24\Methods\24_AIR_0923.M
 Quant Title : VOA Standards for 5 point calibration
 QLast Update : Wed Sep 24 13:58:02 2025
 Response via : Initial Calibration

Note: Curves (l, lf, q, qf) display calculated concentration.
 Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.20min
 Max. RRF Dev : 30% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%
105 int	Chlorobenzene-d5(sim)	1.000	1.000	0.0	84
106	Bromoform(sim)	1.165	1.114	4.4	
107	m,p-Xylene(sim)	2.388	2.214	7.3	
108	1,1,2,2-Tetrachloroethane(s	2.172	2.065	4.9	
109 qf	Benzyl chloride(sim)	1.000	0.939	6.1	
110	1,3-Dichlorobenzene(sim)	1.497	1.405	6.1	
111	1,4-Dichlorobenzene(sim)	1.292	1.136	12.1	
112	sec-Butylbenzene(sim)	4.129	4.021	2.6	
113	4-Isopropyltoluene(sim)	3.191	2.917	8.6	
114	1,2-Dichlorobenzene(sim)	1.501	1.325	11.7	
115	n-Butylbenzene(sim)	2.643	2.704	-2.3	
116 qf	1,2,4-Trichlorobenzene(sim)	1.000	0.698	30.2	
118 qf	Hexachlorobutadiene(sim)	1.000	0.849	15.1	

(#)=Out of Range l=linear, lf=liner(0,0), q=quadratic, qf=quadratic(0,0)
 Laboratory Warning Limits Out = 0

Data Path : H:\AIR2025\CHEM24\09SEP\30\
 Data File : 0930_27.D
 Acq On : 1 Oct 2025 9:18 am
 Operator : Keith
 Client ID : CCCAL 1
 Lab ID : 1ppb ccal; T01516A
 ALS Vial : 27 Sample Multiplier: 1

Quant Time: Oct 01 11:05:38 2025
 Quant Method : H:\AIR2025\CHEM24\Methods\24_AIR_0923.M
 Quant Title : VOA Standards for 5 point calibration
 QLast Update : Wed Sep 24 13:58:02 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	7.467	130	153270	10.000	ng	0.00
36) 1,4-Difluorobenzene	8.632	114	610575	10.000	ng	0.00
53) Chlorobenzene-d5	11.109	82	361278	10.000	ng	0.00
80) Bromochloromethane(sim)	7.470	130	171498	10.000	ng	# 0.00
95) 1,4-Difluorobenzene(sim)	8.632	114	610575	10.000	ng	0.00
105) Chlorobenzene-d5(sim)	11.109	82	361278	10.000	ng	0.00

System Monitoring Compounds						
62) % Bromofluorobenzene	11.943	95	418780	10.069	ppbv	0.00
Spiked Amount	10.000	Range 70 - 130	Recovery	= 100.70%		

Target Compounds					Qvalue	
2) Propylene	4.029	41	25495	1.048	ppbv	96
3) Dichlorodifluoromethane	4.095	85	57322	0.988	ppbv	97
4) Chloromethane	4.253	50	27328	1.041	ppbv	98
5) 1,2-Dichlorotetrafluor...	4.344	85	57176	0.940	ppbv#	63
6) Vinyl Chloride	4.452	62	27329	1.011	ppbv	100
7) 1,3-Butadiene	4.568	54	21465	1.017	ppbv	96
8) Bromomethane	4.800	94	20775	0.936	ppbv	96
9) Chloroethane	4.949	64	12576	0.982	ppbv	91
11) Ethanol	5.024	45	10256	1.108	ppbv	97
12) Acetone	5.394	43	45459	1.039	ppbv	94
13) Trichlorofluoromethane	5.535	101	51595	0.961	ppbv#	97
14) Isopropylalcohol	5.566	45	51142	0.997	ppbv	95
15) Acrylonitrile	5.725	53	17661	1.052	ppbv	96
16) 1,1-Dichloroethene	5.987	61	42395	1.007	ppbv	89
17) Methylene Chloride	6.064	49	35219	1.025	ppbv	98
20) Carbon Disulfide	6.296	76	69254	0.965	ppbv	99
21) Trichlorotrifluoroethane	6.237	101	43026	0.950	ppbv#	75
22) Trans-1,2-Dichloroethene	6.688	61	38108	0.995	ppbv	93
23) 1,1-Dichloroethane	6.826	63	48443	0.996	ppbv	96
24) Methyl tert-butyl ethe...	6.850	73	66697	0.976	ppbv	91
25) Methyl Ethyl Ketone	7.061	43	62046	1.005	ppbv	96
26) Cis-1,2-Dichloroethene	7.353	61	37741	1.004	ppbv	90
27) Hexane	7.475	57	41471	0.996	ppbv#	89
28) Chloroform	7.540	83	51164	0.988	ppbv	98
29) Ethyl acetate	7.459	61	9079	1.002	ppbv#	76
30) Tetrahydrofuran	7.799	42	32091	1.015	ppbv	94
31) 1,2-Dichloroethane	8.010	62	35728	1.027	ppbv	96
32) 1,1,1-Trichloroethane	8.172	97	46564	0.984	ppbv	93
33) Benzene	8.450	78	84686	1.000	ppbv	97
34) Carbon Tetrachloride	8.545	117	41927	0.942	ppbv	100
35) Cyclohexane	8.623	84	30477	1.010	ppbv	88
37) 1,2-dichloropropane	8.935	63	31612	0.986	ppbv#	91
38) Bromodichloromethane	9.047	83	54941	0.957	ppbv	95
39) Trichloroethene	9.064	130	25048	0.889	ppbv#	90
40) 2,2,4-trimethylpentane	9.073	57	136565	1.010	ppbv	93
41) 1,4-Dioxane	9.064	88	14331	0.970	ppbv	98
43) Heptane	9.203	43	57689	1.006	ppbv	90
44) cis-1,3-Dichloropropene	9.554	75	47717	0.957	ppbv	91
45) 4-Methyl-2-pentanone(M...	9.554	43	76679	1.038	ppbv	96
46) trans-1,3-Dichloropropene	9.842	75	37307	0.970	ppbv#	89
47) 1,1,2-Trichloroethane	9.955	97	26314	0.906	ppbv	88
48) Toluene	10.117	91	79024	0.956	ppbv	97

Data Path : H:\AIR2025\CHEM24\09SEP\30\
 Data File : 0930_27.D
 Acq On : 1 Oct 2025 9:18 am
 Operator : Keith
 Client ID : CCCAL 1
 Lab ID : 1ppb ccal; T01516A
 ALS Vial : 27 Sample Multiplier: 1

Quant Time: Oct 01 11:05:38 2025
 Quant Method : H:\AIR2025\CHEM24\Methods\24_AIR_0923.M
 Quant Title : VOA Standards for 5 point calibration
 QLast Update : Wed Sep 24 13:58:02 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
49) Dibromochloromethane	10.370	129	44136	0.908	ppbv	98
50) 2-Hexanone(MBK)	10.230	43	62640	1.018	ppbv#	92
51) 1,2-Dibromoethane(EDB)	10.511	107	43341	0.934	ppbv	98
52) Tetrachloroethene	10.757	166	27801	0.853	ppbv	96
54) 1,1,1,2-Tetrachloroethane	11.117	131	30991	0.955	ppbv	99
55) Chlorobenzene	11.132	112	57146	0.945	ppbv#	78
56) Ethylbenzene	11.329	91	102275	0.989	ppbv	91
57) m, p-Xylene	11.420	91	157978	2.062	ppbv	90
58) Bromoform	11.496	173	36381	0.875	ppbv	99
59) Styrene	11.625	104	51857	0.911	ppbv#	86
60) 1,1,2,2-Tetrachloroethane	11.686	83	67723	0.958	ppbv#	87
61) o-Xylene	11.686	91	81464	0.967	ppbv	90
64) Isopropylbenzene	12.004	105	104647	0.980	ppbv#	93
66) 4-Ethyltoluene	12.377	105	104851	0.969	ppbv#	96
67) 1,3,5-Trimethylbenzene	12.416	105	81843	0.959	ppbv#	88
68) 1,2,4-Trimethylbenzene	12.673	105	85917	0.949	ppbv#	90
70) Benzyl chloride	12.766	91	53365	0.803	ppbv#	91
71) 1,3-Dichlorobenzene	12.789	146	42086	0.805	ppbv#	94
72) 1,4-Dichlorobenzene	12.828	146	41045	0.831	ppbv	95
73) sec-Butylbenzene	12.836	105	132331	0.994	ppbv#	92
74) 4-Isopropyltoluene	12.921	119	105370	0.925	ppbv#	90
75) 1,2-Dichlorobenzene	13.046	146	40805	0.835	ppbv#	93
76) n-Butylbenzene	13.186	91	97700	0.934	ppbv#	90
77) 1,2,4-Trichlorobenzene	14.235	180	14466	0.561	ppbv	95
78) Naphthalene	14.336	128	47013	0.681	ppbv#	98
79) Hexachlorobutadiene	14.585	225	29607	0.864	ppbv	100
81] 1,2-Dichlorotetrafluor...	4.344	85	57176	0.897	ppbv#	63
82] Vinyl Chloride(sim)	4.455	62	28793	0.959	ppbv	98
83] Bromomethane(sim)	4.800	94	20775	0.801	ppbv#	96
84] Trichlorofluoromethane...	5.538	101	57858	0.973	ppbv#	97
85] 1,2-Dichloroethane(sim)	8.010	62	35728	0.970	ppbv	96
86] 1,1,1-Trichloroethane(...	8.175	97	51578	0.973	ppbv#	95
87] Benzene(sim)	8.450	78	84686	0.922	ppbv	97
88] Carbon Tetrachloride(sim)	8.548	117	48025	1.079	ppbv	98
89] 1,1-Dichloroethene(sim)	5.987	61	42395	0.968	ppbv	89
90] Trichlorotrifluoroetha...	6.240	101	47526	0.955	ppbv#	85
91] Trans-1,2-Dichloroethe...	6.688	61	38108	0.963	ppbv	93
92] 1,1-Dichloroethane(sim)	6.821	63	53045	1.001	ppbv	97
93] Cis-1,2-Dichloroethene...	7.353	61	37741	0.956	ppbv	90
94] Chloroform(sim)	7.543	83	55523	0.975	ppbv	99
96] 1,2-dichloropropane(sim)	8.929	63	34259	0.981	ppbv#	89
97] Bromodichloromethane(sim)	9.047	83	54941	1.001	ppbv	98
98] Trichloroethene(sim)	9.067	130	28321	0.916	ppbv#	85
99] 1,4-Dioxane(sim)	9.064	88	14331	1.089	ppbv	98
100] cis-1,3-Dichloropropen...	9.550	75	52455	1.039	ppbv#	92
101] 1,1,2-Trichloroethane(...	9.955	97	26314	0.916	ppbv	88
102] Dibromochloromethane(sim)	10.373	129	49232	1.017	ppbv	98
103] 1,2-Dibromoethane(EDB)...	10.511	107	43341	0.981	ppbv	98
104] Tetrachloroethene(sim)	10.760	166	32296	0.886	ppbv	96
106] Bromoform(sim)	11.499	173	40243	0.956	ppbv	100
107] m, p-Xylene(sim)	11.420	91	159977	1.854	ppbv#	90
108] 1,1,2,2-Tetrachloroeth...	11.681	83	74587	0.951	ppbv#	98
109] Benzyl chloride(sim)	12.766	91	53365	0.939	ppbv	91
110] 1,3-Dichlorobenzene(sim)	12.784	146	50766	0.939	ppbv	95
111] 1,4-Dichlorobenzene(sim)	12.828	146	41045	0.879	ppbv	95

Data Path : H:\AIR2025\CHEM24\09SEP\30\
Data File : 0930_27.D
Acq On : 1 Oct 2025 9:18 am
Operator : Keith
Client ID : CCCAL 1
Lab ID : 1ppb ccal; T01516A
ALS Vial : 27 Sample Multiplier: 1

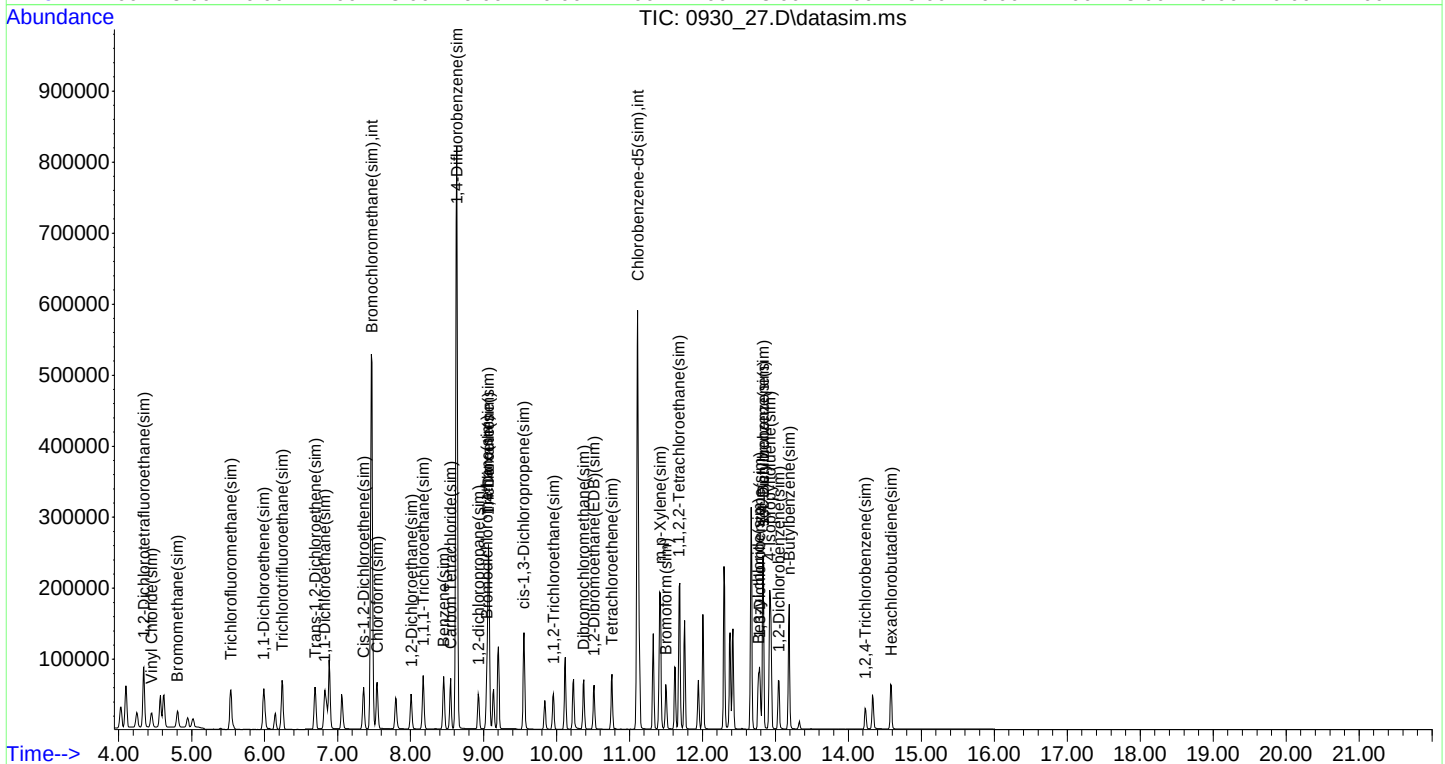
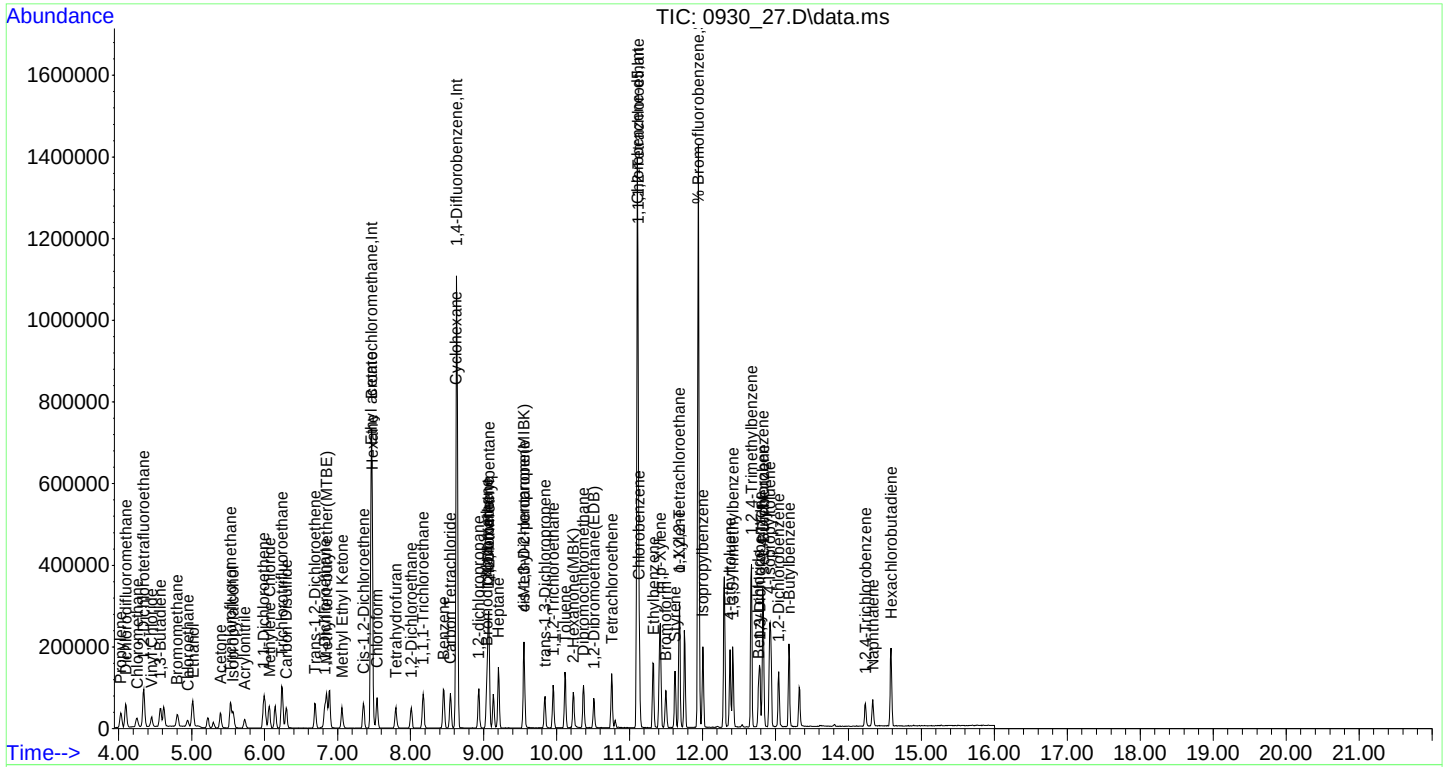
Quant Time: Oct 01 11:05:38 2025
Quant Method : H:\AIR2025\CHEM24\Methods\24_AIR_0923.M
Quant Title : VOA Standards for 5 point calibration
QLast Update : Wed Sep 24 13:58:02 2025
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
112]	sec-Butylbenzene(sim)	12.831	105	145282	0.974	ppbv	92
113]	4-Isopropyltoluene(sim)	12.921	119	105370	0.914	ppbv#	90
114]	1,2-Dichlorobenzene(sim)	13.049	146	47853	0.882	ppbv	95
115]	n-Butylbenzene(sim)	13.186	91	97700	1.023	ppbv	90
116]	1,2,4-Trichlorobenzene...	14.230	180	18027	0.698	ppbv	99
118]	Hexachlorobutadiene(sim)	14.588	225	36360	0.849	ppbv	98

(#)out of range (m>manual integration reviewed by analyst (+)signals summed

Data Path : H:\AIR2025\CHEM24\09SEP\30\
Data File : 0930_27.D
Acq On : 1 Oct 2025 9:18 am
Operator : Keith
Client ID : CCCAL 1
Lab ID : 1ppb ccal; T01516A
ALS Vial : 27 Sample Multiplier: 1

Quant Time: Oct 01 11:05:38 2025
Quant Method : H:\AIR2025\CHEM24\Methods\24_AIR_0923.M
Quant Title : VOA Standards for 5 point calibration
QLast Update : Wed Sep 24 13:58:02 2025
Response via : Initial Calibration



7A
AIR CONTINUING CALIBRATION CHECK

Lab Name: Phoenix Environmental Labs Client: FPMGROUP

Lab Code: Phoenix Case No.: SAS No.: SDG No.: GCU37304

Instrument: CHEM39 Calibration Date: 09/30/25 Time: 11:23

Lab File Id: 0930_05.D Init. Calib. Date(s): 09/20/25 09/20/25

Heated Purge (Y/N): Y Init. Calib. Times: 10:22 17:59

GC Column: RTX-1 ; #10157 Method File: 39_AIR_0920.M

COMPOUND	RRF	RRF1	RRF MIN	%D	% D LIMITS
Propylene	1.452	1.404		3.3	30
Dichlorodifluoromethane	2.509	3.011		-20.0	30
Chloromethane	1.337	1.369		-2.4	30
1,2-Dichlorotetrafluoroethane	2.336	2.451		-4.9	30
Vinyl Chloride	1.110	1.115		-0.5	30
1,3-Butadiene	1.092	1.095		-0.3	30
Bromomethane	0.836	0.836		0.0	30
Chloroethane	0.474	0.485		-2.3	30
Ethanol	0.485	0.452		6.8	30
Acetone	2.737	2.737		0.0	30
Trichlorofluoromethane	2.888	3.192		-10.5	30
Isopropylalcohol	2.907	2.740		5.7	30
Acrylonitrile	0.946	0.892		5.7	30
1,1-Dichloroethene	2.199	2.304		-4.8	30
Methylene Chloride	2.045	2.122		-3.8	30
Carbon Disulfide	2.852	2.664		6.6	30
Trichlorotrifluoroethane	2.214	2.272		-2.6	30
Trans-1,2-Dichloroethene	2.064	2.005		2.9	30
1,1-Dichloroethane	2.363	2.425		-2.6	30
Methyl tert-butyl ether(MTBE)	2.896	2.741		5.4	30
Methyl Ethyl Ketone	3.622	3.682		-1.7	30
Cis-1,2-Dichloroethene	1.973	1.991		-0.9	30
Hexane	2.434	2.393		1.7	30
Chloroform	2.303	2.333		-1.3	30
Ethyl acetate	0.460	0.437		5.0	30
Tetrahydrofuran	1.926	1.891		1.8	30
1,2-Dichloroethane	1.836	2.089		-13.8	30
1,1,1-Trichloroethane	2.422	2.517		-3.9	30
Benzene	3.305	3.182		3.7	30
Carbon Tetrachloride	2.588	2.674		-3.3	30
Cyclohexane	1.277	1.228		3.8	30
1,2-dichloropropane	0.428	0.424		0.9	30
Bromodichloromethane	0.625	0.659		-5.4	30
Trichloroethene	0.395	0.407		-3.0	30
2,2,4-trimethylpentane	2.001	2.093		-4.6	30

(*) Recommended RRF not met (+) %D exceeds criteria % (#) %D exceeds (maximum) criteria

%D: 20% of target compounds are allowed to be above criteria %, but must be less than the (maximum) %D

(#) Maximum %D not met.

7B
AIR CONTINUING CALIBRATION CHECK

Lab Name: Phoenix Environmental Labs Client: FPMGROUP

Lab Code: Phoenix Case No.: SAS No.: SDG No.: GCU37304

Instrument: CHEM39 Calibration Date: 09/30/25 Time: 11:23

Lab File Id: 0930_05.D Init. Calib. Date(s): 09/20/25 09/20/25

Heated Purge (Y/N): Y Init. Calib. Times: 10:22 17:59

GC Column: RTX-1 ; #10157 Method File: 39_AIR_0920.M

COMPOUND	RRF	RRF1	RRF MIN	%D	% D LIMITS
1,4-Dioxane	0.163	0.182		-11.7	30
Heptane	0.923	0.969		-5.0	30
cis-1,3-Dichloropropene	0.522	0.509		2.5	30
4-Methyl-2-pentanone(MIBK)	1.112	1.151		-3.5	30
trans-1,3-Dichloropropene	0.418	0.378		9.6	30
1,1,2-Trichloroethane	0.362	0.372		-2.8	30
Toluene	1.070	1.037		3.1	30
Dibromochloromethane	0.699	0.710		-1.6	30
2-Hexanone(MBK)	0.972	1.002		-3.1	30
1,2-Dibromoethane(EDB)	0.603	0.621		-3.0	30
Tetrachloroethene	0.526	0.551		-4.8	30
1,1,1,2-Tetrachloroethane	0.901	1.087		-20.6	30
Chlorobenzene	1.573	1.890		-20.2	30
Ethylbenzene	2.663	3.055		-14.7	30
m,p-Xylene	2.073	1.940		6.4	30
Bromoform	1.317	1.560		-18.5	30
Styrene	1.501	1.643		-9.5	30
1,1,2,2-Tetrachloroethane	1.530	1.717		-12.2	30
o-Xylene	2.156	2.551		-18.3	30
Isopropylbenzene	2.983	3.627		-21.6	30
4-Ethyltoluene	3.026	3.485		-15.2	30
1,3,5-Trimethylbenzene	2.522	3.049		-20.9	30
1,2,4-Trimethylbenzene	2.571	3.039		-18.2	30
Benzyl chloride	1.923	1.601		16.7	30
1,3-Dichlorobenzene	1.662	1.916		-15.3	30
1,4-Dichlorobenzene	1.589	1.896		-19.3	30
sec-Butylbenzene	3.636	4.360		-19.9	30
4-Isopropyltoluene	3.337	3.974		-19.1	30
1,2-Dichlorobenzene	1.568	1.841		-17.4	30
n-Butylbenzene	2.873	3.327		-15.8	30
1,2,4-Trichlorobenzene	1.084	1.148		-5.9	30
Naphthalene	2.335	2.045		12.4	30
Hexachlorobutadiene	1.296	1.594		-23.0	30
1,2-Dichlorotetrafluoroethane(sim)	2.591	2.554		1.4	30
Vinyl Chloride(sim)	1.267	1.222		3.6	30

(*) Recommended RRF not met (+) %D exceeds criteria % (#) %D exceeds (maximum) criteria

%D: 20% of target compounds are allowed to be above criteria %, but must be less than the (maximum) %D

(#) Maximum %D not met.

7B
AIR CONTINUING CALIBRATION CHECK

Lab Name: Phoenix Environmental Labs Client: FPMGROUP

Lab Code: Phoenix Case No.: SAS No.: SDG No.: GCU37304

Instrument: CHEM39 Calibration Date: 09/30/25 Time: 11:23

Lab File Id: 0930_05.D Init. Calib. Date(s): 09/20/25 09/20/25

Heated Purge (Y/N): Y Init. Calib. Times: 10:22 17:59

GC Column: RTX-1 ; #10157 Method File: 39_AIR_0920.M

COMPOUND	RRF	RRF1	RRF MIN	%D	% D LIMITS
Bromomethane(sim)	0.953	0.872		8.5	30
Trichlorofluoromethane(sim)	3.104	3.401		-9.6	30
1,2-Dichloroethane(sim)	2.003	2.178		-8.7	30
1,1,1-Trichloroethane(sim)	2.650	2.729		-3.0	30
Benzene(sim)	3.923	3.317		15.4	30
Carbon Tetrachloride(sim)	2.648	2.734		-3.2	30
1,1-Dichloroethene(sim)	2.370	2.401		-1.3	30
Trichlorotrifluoroethane(sim)	2.374	2.400		-1.1	30
Trans-1,2-Dichloroethene(sim)	2.132	2.090		2.0	30
1,1-Dichloroethane(sim)	2.686	2.590		3.6	30
Cis-1,2-Dichloroethene(sim)	2.102	2.075		1.3	30
Chloroform(sim)	2.626	2.520		4.0	30
1,2-dichloropropane(sim)	0.465	0.441		5.2	30
Bromodichloromethane(sim)	0.645	0.659		-2.2	30
Trichloroethene(sim)	0.399	0.407		-2.0	30
1,4-Dioxane(sim) qfi	1.000	0.79		21.0 #	20
cis-1,3-Dichloropropene(sim)	0.548	0.522		4.7	30
1,1,2-Trichloroethane(sim)	0.384	0.372		3.1	30
Dibromochloromethane(sim)	0.655	0.693		-5.8	30
1,2-Dibromoethane(EDB)(sim)	0.609	0.621		-2.0	30
Tetrachloroethene(sim)	0.515	0.534		-3.7	30
Bromoform(sim)	1.197	1.441		-20.4	30
m,p-Xylene(sim)	2.261	2.425		-7.3	30
1,1,2,2-Tetrachloroethane(sim)	1.643	1.735		-5.6	30
Benzyl chloride(sim)	1.714	1.601		6.6	30
1,3-Dichlorobenzene(sim)	1.809	2.077		-14.8	30
1,4-Dichlorobenzene(sim)	1.674	1.890		-12.9	30
sec-Butylbenzene(sim)	2.935	3.265		-11.2	30
4-Isopropyltoluene(sim)	3.617	3.974		-9.9	30
1,2-Dichlorobenzene(sim)	1.705	1.963		-15.1	30
n-Butylbenzene(sim)	2.980	3.327		-11.6	30
1,2,4-Trichlorobenzene(sim)	1.063	1.184		-11.4	30
Hexachlorobutadiene(sim) q	1.000	1.18		-18.0	20
% Bromofluorobenzene	1.298	1.135		12.6	30

(*) Recommended RRF not met (+) %D exceeds criteria % (#) %D exceeds (maximum) criteria

%D: 20% of target compounds are allowed to be above criteria %, but must be less than the (maximum) %D

(#) Maximum %D not met.

Evaluate Continuing Calibration Report

Data Path : H:\AIR2025\CHEM39\09SEP\30\
 Data File : 0930_05.D
 Acq On : 30 Sep 2025 11:23 am
 Operator :
 Client ID : BFB TUNE - CCAL 1
 Lab ID : 1ppb cCal; T01516E - 1ppb cCal; T01516E
 ALS Vial : 1 Sample Multiplier: 1

Quant Time: Sep 30 14:00:48 2025
 Quant Method : H:\AIR2025\CHEM39\Methods\39_AIR_0920.M
 Quant Title : VOA Standards for 5 point calibration
 QLast Update : Tue Sep 23 14:45:11 2025
 Response via : Initial Calibration

Note: Curves (l,lf,q,qf) display calculated concentration.
 Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.20min
 Max. RRF Dev : 30% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%

1 Int	Bromochloromethane	1.000	1.000	0.0	103
2	Propylene	1.452	1.404	3.3	
3	Dichlorodifluoromethane	2.509	3.011	-20.0	
4	Chloromethane	1.337	1.369	-2.4	
5	1,2-Dichlorotetrafluoroetha	2.336	2.451	-4.9	
6	Vinyl Chloride	1.110	1.115	-0.5	
7	1,3-Butadiene	1.092	1.095	-0.3	
8	Bromomethane	0.836	0.836	0.0	
9	Chloroethane	0.474	0.485	-2.3	
11	Ethanol	0.485	0.452	6.8	
12	Acetone	2.737	2.737	0.0	
13	Trichlorofluoromethane	2.888	3.192	-10.5	
14	Isopropylalcohol	2.907	2.740	5.7	
15	Acrylonitrile	0.946	0.892	5.7	
16	1,1-Dichloroethene	2.199	2.304	-4.8	
17	Methylene Chloride	2.045	2.122	-3.8	
20	Carbon Disulfide	2.852	2.664	6.6	
21	Trichlorotrifluoroethane	2.214	2.272	-2.6	
22	Trans-1,2-Dichloroethene	2.064	2.005	2.9	
23	1,1-Dichloroethane	2.363	2.425	-2.6	
24	Methyl tert-butyl ether(MTB)	2.896	2.741	5.4	
25	Methyl Ethyl Ketone	3.622	3.682	-1.7	
26	Cis-1,2-Dichloroethene	1.973	1.991	-0.9	
27	Hexane	2.434	2.393	1.7	
28	Chloroform	2.303	2.333	-1.3	
29	Ethyl acetate	0.460	0.437	5.0	
30	Tetrahydrofuran	1.926	1.891	1.8	
31	1,2-Dichloroethane	1.836	2.089	-13.8	
32	1,1,1-Trichloroethane	2.422	2.517	-3.9	
33	Benzene	3.305	3.182	3.7	
34	Carbon Tetrachloride	2.588	2.674	-3.3	
35	Cyclohexane	1.277	1.228	3.8	

36 Int	1,4-Difluorobenzene	1.000	1.000	0.0	101
37	1,2-dichloropropane	0.428	0.424	0.9	
38	Bromodichloromethane	0.625	0.659	-5.4	
39	Trichloroethene	0.395	0.407	-3.0	
40	2,2,4-trimethylpentane	2.001	2.093	-4.6	
41	1,4-Dioxane	0.163	0.182	-11.7	
43	Heptane	0.923	0.969	-5.0	
44	cis-1,3-Dichloropropene	0.522	0.509	2.5	
45	4-Methyl-2-pentanone(MIBK)	1.112	1.151	-3.5	
46	trans-1,3-Dichloropropene	0.418	0.378	9.6	
47	1,1,2-Trichloroethane	0.362	0.372	-2.8	
48	Toluene	1.070	1.037	3.1	
49	Dibromochloromethane	0.699	0.710	-1.6	
50	2-Hexanone(MBK)	0.972	1.002	-3.1	
51	1,2-Dibromoethane(EDB)	0.603	0.621	-3.0	
52	Tetrachloroethene	0.526	0.551	-4.8	

53 Int	Chlorobenzene-d5	1.000	1.000	0.0	90

Evaluate Continuing Calibration Report

Data Path : H:\AIR2025\CHEM39\09SEP\30\
 Data File : 0930_05.D
 Acq On : 30 Sep 2025 11:23 am
 Operator :
 Client ID : BFB TUNE - CCAL 1
 Lab ID : 1ppb cCal; T01516E - 1ppb cCal; T01516E
 ALS Vial : 1 Sample Multiplier: 1

Quant Time: Sep 30 14:00:48 2025
 Quant Method : H:\AIR2025\CHEM39\Methods\39_AIR_0920.M
 Quant Title : VOA Standards for 5 point calibration
 QLast Update : Tue Sep 23 14:45:11 2025
 Response via : Initial Calibration

Note: Curves (l,lf,q,qf) display calculated concentration.
 Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.20min
 Max. RRF Dev : 30% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%
54	1,1,1,2-Tetrachloroethane	0.901	1.087	-20.6	
55	Chlorobenzene	1.573	1.890	-20.2	
56	Ethylbenzene	2.663	3.055	-14.7	
57	m,p-Xylene	2.073	1.940	6.4	
58	Bromoform	1.317	1.560	-18.5	
59	Styrene	1.501	1.643	-9.5	
60	1,1,2,2-Tetrachloroethane	1.530	1.717	-12.2	
61	o-Xylene	2.156	2.551	-18.3	
62	Surr % Bromofluorobenzene	1.298	1.135	12.6	
65	Isopropylbenzene	2.983	3.627	-21.6	
66	4-Ethyltoluene	3.026	3.485	-15.2	
67	1,3,5-Trimethylbenzene	2.522	3.049	-20.9	
68	1,2,4-Trimethylbenzene	2.571	3.039	-18.2	
70	Benzyl chloride	1.923	1.601	16.7	
71	1,3-Dichlorobenzene	1.662	1.916	-15.3	
72	1,4-Dichlorobenzene	1.589	1.896	-19.3	
73	sec-Butylbenzene	3.636	4.360	-19.9	
74	4-Isopropyltoluene	3.337	3.974	-19.1	
75	1,2-Dichlorobenzene	1.568	1.841	-17.4	
76	n-Butylbenzene	2.873	3.327	-15.8	
77	1,2,4-Trichlorobenzene	1.084	1.148	-5.9	
78	Naphthalene	2.335	2.045	12.4	
79	Hexachlorobutadiene	1.296	1.594	-23.0	
80	int Bromochloromethane(sim)	1.000	1.000	0.0	104
81	1,2-Dichlorotetrafluoroetha	2.591	2.554	1.4	
82	Vinyl Chloride(sim)	1.267	1.222	3.6	
83	Bromomethane(sim)	0.953	0.872	8.5	
84	Trichlorofluoromethane(sim)	3.104	3.401	-9.6	
85	1,2-Dichloroethane(sim)	2.003	2.178	-8.7	
86	1,1,1-Trichloroethane(sim)	2.650	2.729	-3.0	
87	Benzene(sim)	3.923	3.317	15.4	
88	Carbon Tetrachloride(sim)	2.648	2.734	-3.2	
89	1,1-Dichloroethene(sim)	2.370	2.401	-1.3	
90	Trichlorotrifluoroethane(si	2.374	2.400	-1.1	
91	Trans-1,2-Dichloroethene(si	2.132	2.090	2.0	
92	1,1-Dichloroethane(sim)	2.686	2.590	3.6	
93	Cis-1,2-Dichloroethene(sim)	2.102	2.075	1.3	
94	Chloroform(sim)	2.626	2.520	4.0	
95	int 1,4-Difluorobenzene(sim)	1.000	1.000	0.0	101
96	1,2-dichloropropane(sim)	0.465	0.441	5.2	
97	Bromodichloromethane(sim)	0.645	0.659	-2.2	
98	Trichloroethene(sim)	0.399	0.407	-2.0	
99	qf 1,4-Dioxane(sim)	1.000	0.787	21.3	
100	cis-1,3-Dichloropropene(sim	0.548	0.522	4.7	
101	1,1,2-Trichloroethane(sim)	0.384	0.372	3.1	
102	Dibromochloromethane(sim)	0.655	0.693	-5.8	
103	1,2-Dibromoethane(EDB)(sim)	0.609	0.621	-2.0	
104	Tetrachloroethene(sim)	0.515	0.534	-3.7	

Evaluate Continuing Calibration Report

Data Path : H:\AIR2025\CHEM39\09SEP\30\
 Data File : 0930_05.D
 Acq On : 30 Sep 2025 11:23 am
 Operator :
 Client ID : BFB TUNE - CCAL 1
 Lab ID : 1ppb cCal; T01516E - 1ppb cCal; T01516E
 ALS Vial : 1 Sample Multiplier: 1

Quant Time: Sep 30 14:00:48 2025
 Quant Method : H:\AIR2025\CHEM39\Methods\39_AIR_0920.M
 Quant Title : VOA Standards for 5 point calibration
 QLast Update : Tue Sep 23 14:45:11 2025
 Response via : Initial Calibration

Note: Curves (l,lf,q,qf) display calculated concentration.
 Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.20min
 Max. RRF Dev : 30% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%
105 int	Chlorobenzene-d5(sim)	1.000	1.000	0.0	90
106	Bromoform(sim)	1.197	1.441	-20.4	
107	m,p-Xylene(sim)	2.261	2.425	-7.3	
108	1,1,2,2-Tetrachloroethane(s	1.643	1.735	-5.6	
109	Benzyl chloride(sim)	1.714	1.601	6.6	
110	1,3-Dichlorobenzene(sim)	1.809	2.077	-14.8	
111	1,4-Dichlorobenzene(sim)	1.674	1.890	-12.9	
112	sec-Butylbenzene(sim)	2.935	3.265	-11.2	
113	4-Isopropyltoluene(sim)	3.617	3.974	-9.9	
114	1,2-Dichlorobenzene(sim)	1.705	1.963	-15.1	
115	n-Butylbenzene(sim)	2.980	3.327	-11.6	
116	1,2,4-Trichlorobenzene(sim)	1.063	1.184	-11.4	
118 qf	Hexachlorobutadiene(sim)	1.000	1.178	-17.8	

(#)=Out of Range l=linear, lf=liner(0,0), q=quadratic, qf=quadratic(0,0)
 Laboratory Warning Limits Out = 0

Data Path : H:\AIR2025\CHEM39\09SEP\30\
 Data File : 0930_05.D
 Acq On : 30 Sep 2025 11:23 am
 Operator :
 Client ID : BFB TUNE - CCAL 1
 Lab ID : 1ppb cCal; T01516E - 1ppb cCal; T01516E
 ALS Vial : 1 Sample Multiplier: 1

Quant Time: Sep 30 14:00:48 2025
 Quant Method : H:\AIR2025\CHEM39\Methods\39_AIR_0920.M
 Quant Title : VOA Standards for 5 point calibration
 QLast Update : Tue Sep 23 14:45:11 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	7.332	130	191406	10.000	ng	0.00
36) 1,4-Difluorobenzene	8.507	114	721882	10.000	ng	0.00
53) Chlorobenzene-d5	11.008	82	325547	10.000	ng	0.00
80) Bromochloromethane(sim)	7.335	130	183647	10.000	ng	# 0.00
95) 1,4-Difluorobenzene(sim)	8.507	114	721882	10.000	ng	0.00
105) Chlorobenzene-d5(sim)	11.008	82	325547	10.000	ng	0.00

System Monitoring Compounds						
62) % Bromofluorobenzene	11.842	95	369530	8.742	ppbv	0.00
Spiked Amount	10.000	Range 70 - 130	Recovery	=	87.40%	

Target Compounds						Qvalue
2) Propylene	3.891	41	26872	0.967	ppbv	98
3) Dichlorodifluoromethane	3.955	85	57629	1.200	ppbv	97
4) Chloromethane	4.110	50	26199	1.024	ppbv	99
5) 1,2-Dichlorotetrafluor...	4.199	85	46909	1.049	ppbv	94
6) Vinyl Chloride	4.304	62	21337	1.004	ppbv	97
7) 1,3-Butadiene	4.426	54	20953	1.003	ppbv	97
8) Bromomethane	4.661	94	16006	1.000	ppbv	91
9) Chloroethane	4.799	64	9281	1.022	ppbv	99
11) Ethanol	4.880	45	8642	0.930	ppbv	97
12) Acetone	5.255	43	52386	1.000	ppbv	94
13) Trichlorofluoromethane	5.390	101	61093	1.105	ppbv	98
14) Isopropylalcohol	5.427	45	52448	0.942	ppbv#	96
15) Acrylonitrile	5.593	53	17076	0.943	ppbv	98
16) 1,1-Dichloroethene	5.842	61	44091	1.047	ppbv	99
17) Methylene Chloride	5.925	49	40623	1.038	ppbv	93
20) Carbon Disulfide	6.151	76	50989	0.934	ppbv	99
21) Trichlorotrifluoroethane	6.098	101	43480	1.026	ppbv	97
22) Trans-1,2-Dichloroethene	6.553	61	38379	0.971	ppbv	99
23) 1,1-Dichloroethane	6.683	63	46422	1.027	ppbv	94
24) Methyl tert-butyl ethe...	6.716	73	52461	0.946	ppbv	96
25) Methyl Ethyl Ketone	6.926	43	70469	1.016	ppbv#	94
26) Cis-1,2-Dichloroethene	7.226	61	38102	1.009	ppbv	96
27) Hexane	7.340	57	45813	0.983	ppbv	97
28) Chloroform	7.405	83	44648	1.013	ppbv	98
29) Ethyl acetate	7.332	61	8367	0.950	ppbv#	87
30) Tetrahydrofuran	7.672	42	36194	0.982	ppbv	94
31) 1,2-Dichloroethane	7.883	62	39994	1.138	ppbv	99
32) 1,1,1-Trichloroethane	8.046	97	48179	1.039	ppbv	99
33) Benzene	8.326	78	60907	0.963	ppbv	98
34) Carbon Tetrachloride	8.421	117	51185	1.033	ppbv	98
35) Cyclohexane	8.499	84	23500	0.961	ppbv	91
37) 1,2-dichloropropane	8.810	63	30575	0.991	ppbv	96
38) Bromodichloromethane	8.931	83	47569	1.055	ppbv	97
39) Trichloroethene	8.948	130	29395	1.032	ppbv	93
40) 2,2,4-trimethylpentane	8.948	57	151114	1.046	ppbv	97
41) 1,4-Dioxane	8.940	88	13149	1.118	ppbv	94
43) Heptane	9.087	43	69964	1.050	ppbv	94
44) cis-1,3-Dichloropropene	9.438	75	36724	0.975	ppbv	98
45) 4-Methyl-2-pentanone(M...	9.438	43	83119	1.036	ppbv	98
46) trans-1,3-Dichloropropene	9.734	75	27291	0.904	ppbv	96
47) 1,1,2-Trichloroethane	9.847	97	26854	1.029	ppbv	90
48) Toluene	10.009	91	74890	0.969	ppbv	97

Data Path : H:\AIR2025\CHEM39\09SEP\30\
 Data File : 0930_05.D
 Acq On : 30 Sep 2025 11:23 am
 Operator :
 Client ID : BFB TUNE - CCAL 1
 Lab ID : 1ppb cCal; T01516E - 1ppb cCal; T01516E
 ALS Vial : 1 Sample Multiplier: 1

Quant Time: Sep 30 14:00:48 2025
 Quant Method : H:\AIR2025\CHEM39\Methods\39_AIR_0920.M
 Quant Title : VOA Standards for 5 point calibration
 QLast Update : Tue Sep 23 14:45:11 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
49) Dibromochloromethane	10.262	129	51219	1.015	ppbv	98
50) 2-Hexanone(MBK)	10.121	43	72349	1.031	ppbv	96
51) 1,2-Dibromoethane(EDB)	10.403	107	44848	1.030	ppbv	98
52) Tetrachloroethene	10.649	166	39780	1.047	ppbv	96
54) 1,1,1,2-Tetrachloroethane	11.016	131	35398	1.207	ppbv	97
55) Chlorobenzene	11.031	112	61526	1.202	ppbv	90
56) Ethylbenzene	11.220	91	99446	1.147	ppbv	97
57) m, p-Xylene	11.319	91	157876	2.339	ppbv	97
58) Bromoform	11.395	173	50789	1.184	ppbv	99
59) Styrene	11.524	104	53475	1.094	ppbv	96
60) 1,1,2,2-Tetrachloroethane	11.584	83	55889	1.122	ppbv	94
61) o-Xylene	11.584	91	83046	1.183	ppbv	98
65) Isopropylbenzene	11.910	105	118087	1.216	ppbv	97
66) 4-Ethyltoluene	12.282	105	113464	1.152	ppbv	97
67) 1,3,5-Trimethylbenzene	12.320	105	99267	1.209	ppbv	96
68) 1,2,4-Trimethylbenzene	12.571	105	98934	1.182	ppbv	96
70) Benzyl chloride	12.670	91	52107	0.832	ppbv	97
71) 1,3-Dichlorobenzene	12.692	146	62363	1.153	ppbv	99
72) 1,4-Dichlorobenzene	12.730	146	61727	1.193	ppbv	98
73) sec-Butylbenzene	12.738	105	141940	1.199	ppbv	97
74) 4-Isopropyltoluene	12.821	119	129377	1.191	ppbv	97
75) 1,2-Dichlorobenzene	12.951	146	59926	1.174	ppbv	97
76) n-Butylbenzene	13.087	91	108313	1.158	ppbv	98
77) 1,2,4-Trichlorobenzene	14.128	180	37382	1.060	ppbv	100
78) Naphthalene	14.226	128	66569	0.876	ppbv#	99
79) Hexachlorobutadiene	14.477	225	51893	1.230	ppbv	98
81] 1,2-Dichlorotetrafluor...	4.199	85	46909	0.986	ppbv	94
82] Vinyl Chloride(sim)	4.307	62	22443	0.964	ppbv	100
83] Bromomethane(sim)	4.661	94	16006	0.914	ppbv	91
84] Trichlorofluoromethane...	5.387	101	62458	1.096	ppbv#	99
85] 1,2-Dichloroethane(sim)	7.883	62	39994	1.087	ppbv	99
86] 1,1,1-Trichloroethane(...	8.048	97	50119	1.030	ppbv#	99
87] Benzene(sim)	8.326	78	60907	0.845	ppbv	98
88] Carbon Tetrachloride(sim)	8.424	117	50213	1.033	ppbv	99
89] 1,1-Dichloroethene(sim)	5.842	61	44091	1.013	ppbv	99
90] Trichlorotrifluoroetha...	6.101	101	44069	1.011	ppbv#	99
91] Trans-1,2-Dichloroethe...	6.553	61	38379	0.980	ppbv	99
92] 1,1-Dichloroethane(sim)	6.686	63	47559	0.964	ppbv	99
93] Cis-1,2-Dichloroethene...	7.226	61	38102	0.987	ppbv	96
94] Chloroform(sim)	7.408	83	46275	0.960	ppbv	98
96] 1,2-dichloropropane(sim)	8.813	63	31831	0.947	ppbv	96
97] Bromodichloromethane(sim)	8.931	83	47569	1.022	ppbv	97
98] Trichloroethene(sim)	8.951	130	29404	1.022	ppbv	95
99] 1,4-Dioxane(sim)	8.940	88	13149	0.787	ppbv	94
100] cis-1,3-Dichloropropen...	9.441	75	37659	0.952	ppbv	98
101] 1,1,2-Trichloroethane(...	9.847	97	26854	0.969	ppbv	90
102] Dibromochloromethane(sim)	10.265	129	49991	1.058	ppbv	99
103] 1,2-Dibromoethane(EDB)...	10.403	107	44848	1.019	ppbv	98
104] Tetrachloroethene(sim)	10.652	166	38551	1.036	ppbv	97
106] Bromoform(sim)	11.398	173	46904	1.203	ppbv	100
107] m, p-Xylene(sim)	11.319	91	157876	2.145	ppbv	97
108] 1,1,2,2-Tetrachloroeth...	11.580	83	56482	1.056	ppbv	99
109] Benzyl chloride(sim)	12.670	91	52107	0.934	ppbv	97
110] 1,3-Dichlorobenzene(sim)	12.688	146	67631	1.148	ppbv	99
111] 1,4-Dichlorobenzene(sim)	12.730	146	61519	1.129	ppbv	98

Data Path : H:\AIR2025\CHEM39\09SEP\30\
Data File : 0930_05.D
Acq On : 30 Sep 2025 11:23 am
Operator :
Client ID : BFB TUNE - CCAL 1
Lab ID : 1ppb cCal; T01516E - 1ppb cCal; T01516E
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Sep 30 14:00:48 2025
Quant Method : H:\AIR2025\CHEM39\Methods\39_AIR_0920.M
Quant Title : VOA Standards for 5 point calibration
QLast Update : Tue Sep 23 14:45:11 2025
Response via : Initial Calibration

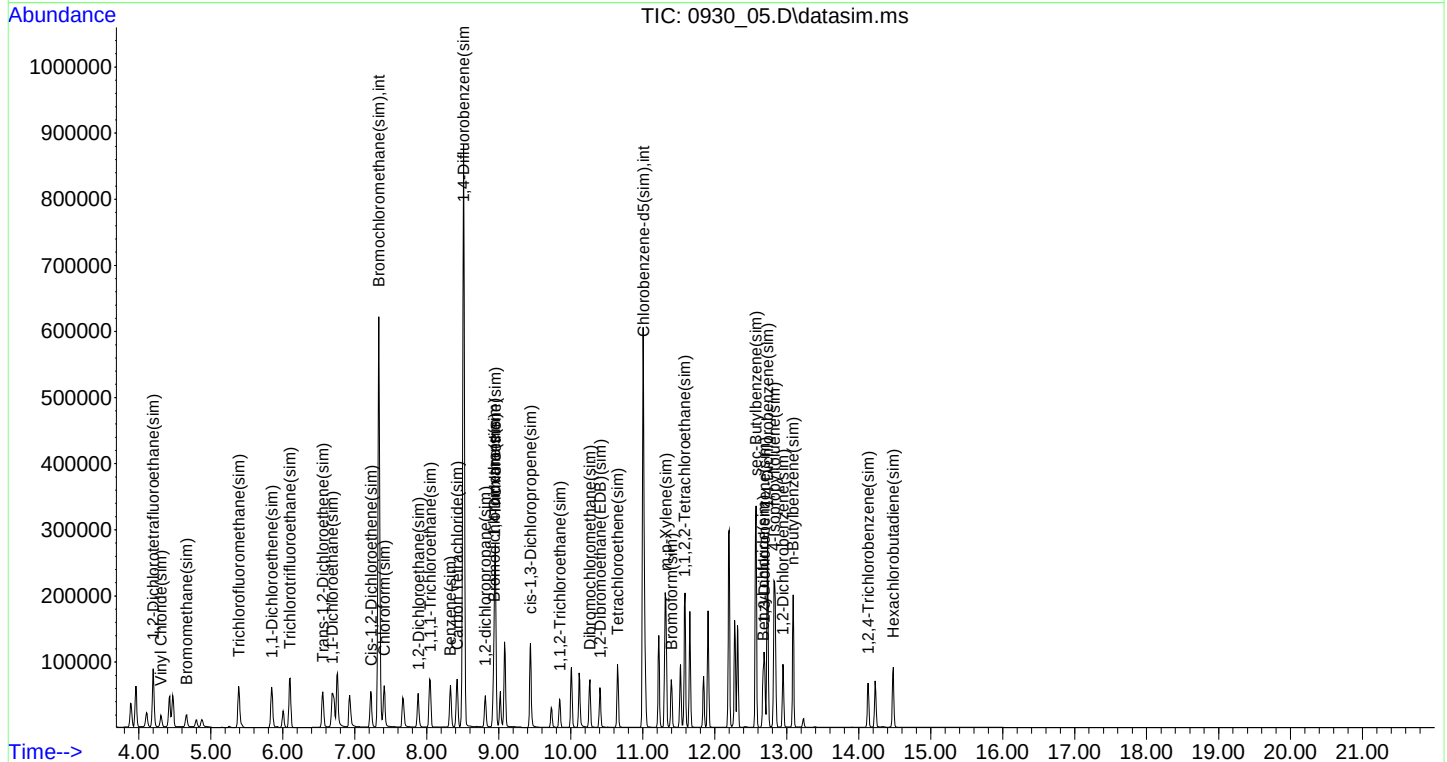
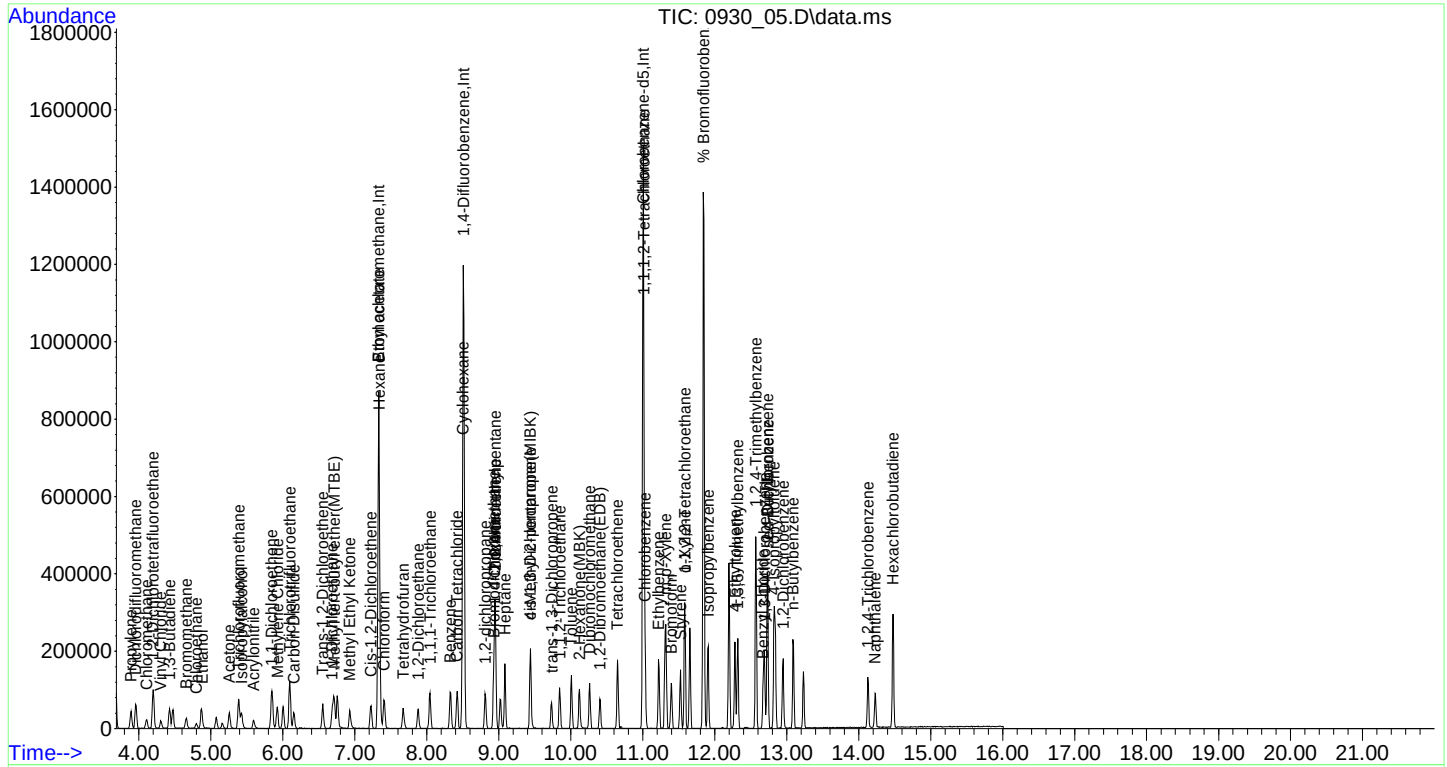
	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
112]	sec-Butylbenzene(sim)	12.574	105	106294	1.113	ppbv	95
113]	4-Isopropyltoluene(sim)	12.821	119	129377	1.099	ppbv	97
114]	1,2-Dichlorobenzene(sim)	12.946	146	63892	1.151	ppbv	100
115]	n-Butylbenzene(sim)	13.087	91	108313	1.117	ppbv	98
116]	1,2,4-Trichlorobenzene...	14.131	180	38542	1.114	ppbv	99
118]	Hexachlorobutadiene(sim)	14.480	225	50531	1.178	ppbv	99

(#)out of range (m>manual integration reviewed by analyst (+)signals summed

(QT Reviewed)

Data Path : H:\AIR2025\CHEM39\09SEP\30\
Data File : 0930_05.D
Acq On : 30 Sep 2025 11:23 am
Operator :
Client ID : BFB TUNE - CCAL 1
Lab ID : 1ppb cCal; T01516E - 1ppb cCal; T01516E
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Sep 30 14:00:48 2025
Quant Method : H:\AIR2025\CHEM39\Methods\39_AIR_0920.M
Quant Title : VOA Standards for 5 point calibration
Qlast Update : Tue Sep 23 14:45:11 2025
Response via : Initial Calibration



1
AIR ANALYSIS DATA SHEET

CLIENT ID

Client:	<u>FPMGROUP</u>	Lab:	<u>Phoenix Env. Labs</u>
SDG No.:	<u>GCU37304</u>	Lab Sample ID:	<u>CU36389 LCS</u>
Canister:	<u>LCS</u>	Lab File ID:	<u>0929_04.D</u>
Instrument:	<u>CHEM20</u>	Column:	<u>RTX-1 60M</u>
Purge Volume	<u>200</u> (cc)	Date Received:	<u>09/29/25</u>
Matrix:	<u>AIR</u>	Date Analyzed:	<u>09/29/25</u>
		Dilution Factor:	<u>1</u>

CONCENTRATION UNITS: (ppbv or ug/m3) ppbv

CAS NO.	COMPOUND	CONC.	Q	MDL	PQL	R
115-07-1	Propylene	9.85		0.581	0.581	r
75-71-8	Dichlorodifluoromethane	9.92		0.202	0.202	r
74-87-3	Chloromethane	9.72		0.485	0.485	r
76-14-2	1,2-Dichlorotetrafluoroethane	9.66		0.143	0.143	r
75-01-4	Vinyl Chloride	9.64		0.078	0.078	r
106-99-0	1,3-Butadiene	9.70		0.452	0.452	r
74-83-9	Bromomethane	9.61		0.258	0.258	r
75-00-3	Chloroethane	9.56		0.379	0.379	r
64-17-5	Ethanol	10.7		0.531	0.531	r
67-64-1	Acetone	9.04		0.421	0.421	r
75-69-4	Trichlorofluoromethane	9.30		0.178	0.178	r
67-63-0	Isopropylalcohol	9.79		0.407	0.407	r
107-13-1	Acrylonitrile	11.7		0.461	0.461	r
75-35-4	1,1-Dichloroethene	9.18		0.051	0.051	r
75-09-2	Methylene Chloride	9.01		0.863	0.863	r
75-15-0	Carbon Disulfide	9.41		0.321	0.321	r
76-13-1	Trichlorotrifluoroethane	9.22		0.131	0.131	r
156-60-5	Trans-1,2-Dichloroethene	10.0		0.252	0.252	r
75-34-3	1,1-Dichloroethane	9.67		0.247	0.247	r
1634-04-4	Methyl tert-butyl ether(MTBE)	9.63		0.278	0.278	r
78-93-3	Methyl Ethyl Ketone	9.79		0.339	0.339	r
156-59-2	Cis-1,2-Dichloroethene	9.44		0.051	0.051	r
110-54-3	Hexane	10.2		0.284	0.284	r
67-66-3	Chloroform	9.45		0.205	0.205	r
141-78-6	Ethyl acetate	10.8		0.278	0.278	r
109-99-9	Tetrahydrofuran	9.63		0.339	0.339	r
107-06-2	1,2-Dichloroethane	9.37		0.247	0.247	r
71-55-6	1,1,1-Trichloroethane	9.51		0.183	0.183	r
71-43-2	Benzene	9.84		0.313	0.313	r
56-23-5	Carbon Tetrachloride	9.52		0.032	0.032	r
110-82-7	Cyclohexane	9.10		0.291	0.291	r
78-87-5	1,2-dichloropropane	9.87		0.217	0.217	r
75-27-4	Bromodichloromethane	9.70		0.149	0.149	r
79-01-6	Trichloroethene	9.54		0.037	0.037	r
540-84-1	2,2,4-trimethylpentane	9.97		0.215	0.215	r
123-91-1	1,4-Dioxane	10.1		0.278	0.278	r

FORM I AIR

r=Result Reported U=Not Detected D=Reported Dilution E/J=Estimated Value X=Not Used S=Lab Solvent

1
AIR ANALYSIS DATA SHEET

CLIENT ID

Client:	<u>FPMGROUP</u>	Lab:	<u>Phoenix Env. Labs</u>
SDG No.:	<u>GCU37304</u>	Lab Sample ID:	<u>CU36389 LCS</u>
Canister:	<u>LCS</u>	Lab File ID:	<u>0929_04.D</u>
Instrument:	<u>CHEM20</u>	Column:	<u>RTX-1 60M</u>
Purge Volume	<u>200</u> (cc)	Date Received:	<u>09/29/25</u>
Matrix:	<u>AIR</u>	Date Analyzed:	<u>09/29/25</u>
		Dilution Factor:	<u>1</u>

CONCENTRATION UNITS: (ppbv or ug/m3) ppbv

CAS NO.	COMPOUND	CONC.	Q	MDL	PQL	R
142-82-5	Heptane	10.3		0.244	0.244	r
10061-01-5	cis-1,3-Dichloropropene	9.95		0.220	0.220	r
108-10-1	4-Methyl-2-pentanone(MIBK)	9.87		0.244	0.244	r
10061-02-6	trans-1,3-Dichloropropene	9.72		0.220	0.220	r
79-00-5	1,1,2-Trichloroethane	9.68		0.183	0.183	r
108-88-3	Toluene	9.97		0.266	0.266	r
124-48-1	Dibromochloromethane	9.58		0.117	0.117	r
591-78-6	2-Hexanone(MBK)	10.1		0.244	0.244	r
106-93-4	1,2-Dibromoethane(EDB)	9.67		0.130	0.130	r
127-18-4	Tetrachloroethene	9.41		0.037	0.037	r
630-20-6	1,1,1,2-Tetrachloroethane	9.32		0.146	0.146	r
108-90-7	Chlorobenzene	9.70		0.217	0.217	r
100-41-4	Ethylbenzene	10.2		0.230	0.230	r
179601-23-1	m,p-Xylene	21.0		0.230	0.230	r
75-25-2	Bromoform	9.51		0.097	0.097	r
100-42-5	Styrene	10.5		0.235	0.235	r
79-34-5	1,1,2,2-Tetrachloroethane	10.2		0.146	0.146	r
95-47-6	o-Xylene	10.2		0.230	0.230	r
98-82-8	Isopropylbenzene	9.60		0.204	0.204	r
622-96-8	4-Ethyltoluene	10.5		0.204	0.204	r
108-67-8	1,3,5-Trimethylbenzene	10.2		0.204	0.204	r
95-63-6	1,2,4-Trimethylbenzene	10.4		0.204	0.204	r
100-44-7	Benzyl chloride	11.2		0.193	0.193	r
541-73-1	1,3-Dichlorobenzene	9.79		0.166	0.166	r
106-46-7	1,4-Dichlorobenzene	10.4		0.166	0.166	r
135-98-8	sec-Butylbenzene	9.95		0.182	0.182	r
99-87-6	4-Isopropyltoluene	9.85		0.182	0.182	r
95-50-1	1,2-Dichlorobenzene	10.3		0.166	0.166	r
104-51-8	n-Butylbenzene	10.1		0.182	0.182	r
120-82-1	1,2,4-Trichlorobenzene	9.46		0.135	0.135	r
91-20-3	Naphthalene	9.82		0.200	0.200	r
87-68-3	Hexachlorobutadiene	9.82		0.094	0.094	r

FORM I AIR

r=Result Reported U=Not Detected D=Reported Dilution E/J=Estimated Value X=Not Used S=Lab Solvent

Data Path : H:\AIR2025\CHEM20\09SEP\29\
 Data File : 0929_04.D
 Acq On : 29 Sep 2025 3:22 pm
 Operator :
 Client ID : CU36389 LCS
 Lab ID : CU36389 LCS
 ALS Vial : 29 Sample Multiplier: 1

Quant Time: Sep 30 08:46:26 2025
 Quant Method : H:\AIR2025\CHEM20\Methods\20_AIR_0909.M
 Quant Title : VOA Standards for 5 point calibration
 QLast Update : Wed Sep 10 12:52:46 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	6.949	130	169252	10.000	ng	0.00
36) 1,4-Difluorobenzene	8.126	114	608740	10.000	ng	0.00
53) Chlorobenzene-d5	10.624	82	307199	10.000	ng	0.00
78) Bromochloromethane(sim)	6.951	130	192754	10.000	ng	# 0.00
93) 1,4-Difluorobenzene(sim)	8.126	114	608740	10.000	ng	0.00
103) Chlorobenzene-d5(sim)	10.624	82	307490	10.000	ng	0.00

System Monitoring Compounds						
62) % Bromofluorobenzene	11.466	95	419090	10.341	ppbv	0.00
Spiked Amount	10.000	Range 70 - 130	Recovery	= 103.40%		

Target Compounds						Qvalue
2) Propylene	3.608	41	151007	9.848	ppbv	92
3) Dichlorodifluoromethane	3.673	85	462370	9.920	ppbv	99
4) Chloromethane	3.811	50	150411	9.716	ppbv	94
5) 1,2-Dichlorotetrafluor...	3.900	85	421099	9.658	ppbv#	80
6) Vinyl Chloride	4.006	62	150046	9.638	ppbv	91
7) 1,3-Butadiene	4.119	54	114854	9.696	ppbv	95
8) Bromomethane	4.338	94	153420	9.610	ppbv#	89
9) Chloroethane	4.476	64	65167	9.563	ppbv	93
11) Ethanol	4.565	45	56133	10.707	ppbv#	43
12) Acetone	4.922	43	282631	9.044	ppbv#	80
13) Trichlorofluoromethane	5.044	101	440054	9.297	ppbv#	95
14) Isopropylalcohol	5.101	45	309135	9.790	ppbv#	95
15) Acrylonitrile	5.247	53	116882	11.683	ppbv#	1
16) 1,1-Dichloroethene	5.485	61	254943	9.181	ppbv#	89
17) Methylene Chloride	5.563	49	201236	9.011	ppbv	97
20) Carbon Disulfide	5.783	76	394077	9.406	ppbv	96
21) Trichlorotrifluoroethane	5.735	101	317355	9.219	ppbv#	89
22) Trans-1,2-Dichloroethene	6.181	61	241378	10.042	ppbv	93
23) 1,1-Dichloroethane	6.312	63	288759	9.674	ppbv	95
24) Methyl tert-butyl ethe...	6.348	73	358543	9.631	ppbv#	85
25) Methyl Ethyl Ketone	6.562	43	352383	9.790	ppbv#	92
26) Cis-1,2-Dichloroethene	6.840	61	215376	9.440	ppbv	91
27) Hexane	6.956	57	229725	10.236	ppbv#	98
28) Chloroform	7.026	83	332293	9.448	ppbv	92
29) Ethyl acetate	6.964	61	56279	10.783	ppbv#	84
30) Tetrahydrofuran	7.290	42	172092	9.630	ppbv	90
31) 1,2-Dichloroethane	7.491	62	227987	9.374	ppbv#	89
32) 1,1,1-Trichloroethane	7.646	97	362216	9.506	ppbv	97
33) Benzene	7.935	78	460908	9.843	ppbv	97
34) Carbon Tetrachloride	8.030	117	408407	9.523	ppbv	99
35) Cyclohexane	8.108	84	171662	9.096	ppbv	90
37) 1,2-dichloropropane	8.428	63	205732	9.874	ppbv#	84
38) Bromodichloromethane	8.541	83	383685	9.695	ppbv	94
39) Trichloroethene	8.558	130	242508	9.539	ppbv#	87
40) 2,2,4-trimethylpentane	8.567	57	756299	9.965	ppbv	99
41) 1,4-Dioxane	8.558	88	102686	10.058	ppbv	89
43) Heptane	8.705	43	334968	10.328	ppbv	91
44) cis-1,3-Dichloropropene	9.054	75	294710	9.950	ppbv	96
45) 4-Methyl-2-pentanone(M...	9.068	43	448838	9.870	ppbv#	93
46) trans-1,3-Dichloropropene	9.349	75	229433	9.716	ppbv	97
47) 1,1,2-Trichloroethane	9.462	97	220702	9.681	ppbv	97
48) Toluene	9.624	91	616009	9.966	ppbv	98

Data Path : H:\AIR2025\CHEM20\09SEP\29\
 Data File : 0929_04.D
 Acq On : 29 Sep 2025 3:22 pm
 Operator :
 Client ID : CU36389 LCS
 Lab ID : CU36389 LCS
 ALS Vial : 29 Sample Multiplier: 1

Quant Time: Sep 30 08:46:26 2025
 Quant Method : H:\AIR2025\CHEM20\Methods\20_AIR_0909.M
 Quant Title : VOA Standards for 5 point calibration
 QLast Update : Wed Sep 10 12:52:46 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
49) Dibromochloromethane	9.877	129	461152	9.581	ppbv	98
50) 2-Hexanone(MBK)	9.743	43	428802	10.145	ppbv#	44
51) 1,2-Dibromoethane(EDB)	10.018	107	368435	9.665	ppbv	98
52) Tetrachloroethene	10.271	166	400515	9.413	ppbv#	87
54) 1,1,1,2-Tetrachloroethane	10.632	131	291512	9.324	ppbv#	90
55) Chlorobenzene	10.647	112	508262	9.704	ppbv#	82
56) Ethylbenzene	10.844	91	777068	10.212	ppbv	84
57) m, p-Xylene	10.935	91	1225637	21.022	ppbv	100
58) Bromoform	11.011	173	546993	9.514	ppbv	98
59) Styrene	11.140	104	468532	10.506	ppbv#	70
60) 1,1,2,2-Tetrachloroethane	11.201	83	490233	10.233	ppbv	96
61) o-Xylene	11.201	91	621070	10.163	ppbv#	89
64) Isopropylbenzene	11.527	105	890625	9.596	ppbv#	94
65) 4-Ethyltoluene	11.899	105	933393	10.447	ppbv	90
66) 1,3,5-Trimethylbenzene	11.944	105	753833	10.228	ppbv#	91
67) 1,2,4-Trimethylbenzene	12.195	105	775313	10.419	ppbv#	91
68) Benzyl chloride	12.286	91	632753	11.156	ppbv#	92
69) 1,3-Dichlorobenzene	12.309	146	612686	9.790	ppbv#	87
70) 1,4-Dichlorobenzene	12.347	146	592189	10.400	ppbv	100
71) sec-Butylbenzene	12.354	105	1105301	9.949	ppbv#	90
72) 4-Isopropyltoluene	12.445	119	1025241	9.851	ppbv	100
73) 1,2-Dichlorobenzene	12.559	146	588882	10.272	ppbv#	91
74) n-Butylbenzene	12.711	91	911166	10.143	ppbv	96
75) 1,2,4-Trichlorobenzene	13.706	180	405569	9.456	ppbv	94
76) Naphthalene	13.797	128	667198	9.822	ppbv#	95
77) Hexachlorobutadiene	14.040	225	549737	9.816	ppbv	98
79] 1,2-Dichlorotetrafluor...	3.900	85	420835	8.870	ppbv#	80
80] Vinyl Chloride(sim)	4.000	62	164996	8.044	ppbv	100
81] Bromomethane(sim)	4.338	94	153420	7.669	ppbv#	90
82] Trichlorofluoromethane...	5.047	101	483308	7.747	ppbv#	96
83] 1,2-Dichloroethane(sim)	7.491	62	227987	7.670	ppbv#	12
84] 1,1,1-Trichloroethane(...	7.649	97	407532	8.214	ppbv#	94
85] Benzene(sim)	7.935	78	460908	9.022	ppbv	97
86] Carbon Tetrachloride(sim)	8.025	117	452507	8.297	ppbv	100
87] 1,1-Dichloroethene(sim)	5.485	61	254943	7.512	ppbv#	89
88] Trichlorotrifluoroetha...	5.738	101	347556	7.234	ppbv#	93
89] Trans-1,2-Dichloroethe...	6.181	61	241378	9.234	ppbv	93
90] 1,1-Dichloroethane(sim)	6.315	63	317501	8.102	ppbv	99
91] Cis-1,2-Dichloroethene...	6.840	61	215157	7.775	ppbv	91
92] Chloroform(sim)	7.029	83	369122	7.625	ppbv	96
94] 1,2-dichloropropane(sim)	8.423	63	226893	8.901	ppbv#	85
95] Bromodichloromethane(sim)	8.541	83	383685	8.721	ppbv	94
96] Trichloroethene(sim)	8.561	130	277280	8.511	ppbv	91
97] 1,4-Dioxane(sim)	8.558	88	102686	10.410	ppbv	89
98] cis-1,3-Dichloropropen...	9.057	75	327664	9.230	ppbv	97
99] 1,1,2-Trichloroethane(...	9.462	97	220702	8.138	ppbv	97
100] Dibromochloromethane(sim)	9.880	129	513054	8.494	ppbv	100
101] 1,2-Dibromoethane(EDB)...	10.018	107	368435	8.425	ppbv	98
102] Tetrachloroethene(sim)	10.267	166	452504	8.359	ppbv	95
104] Bromoform(sim)	11.014	173	612614	8.219	ppbv	98
105] m, p-Xylene(sim)	10.935	91	1228038	19.569	ppbv#	91
106] 1,1,2,2-Tetrachloroeth...	11.204	83	524400	8.000	ppbv	96
107] Benzyl chloride(sim)	12.286	91	632753	11.911	ppbv	92
108] 1,3-Dichlorobenzene(sim)	12.304	146	721969	9.360	ppbv#	92
109] 1,4-Dichlorobenzene(sim)	12.347	146	592627	9.768	ppbv	88

Data Path : H:\AIR2025\CHEM20\09SEP\29\
Data File : 0929_04.D
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Lab ID : CU36389 LCS
ALS Vial : 29 Sample Multiplier: 1

Quant Time: Sep 30 08:46:26 2025
Quant Method : H:\AIR2025\CHEM20\Methods\20_AIR_0909.M
Quant Title : VOA Standards for 5 point calibration
QLast Update : Wed Sep 10 12:52:46 2025
Response via : Initial Calibration

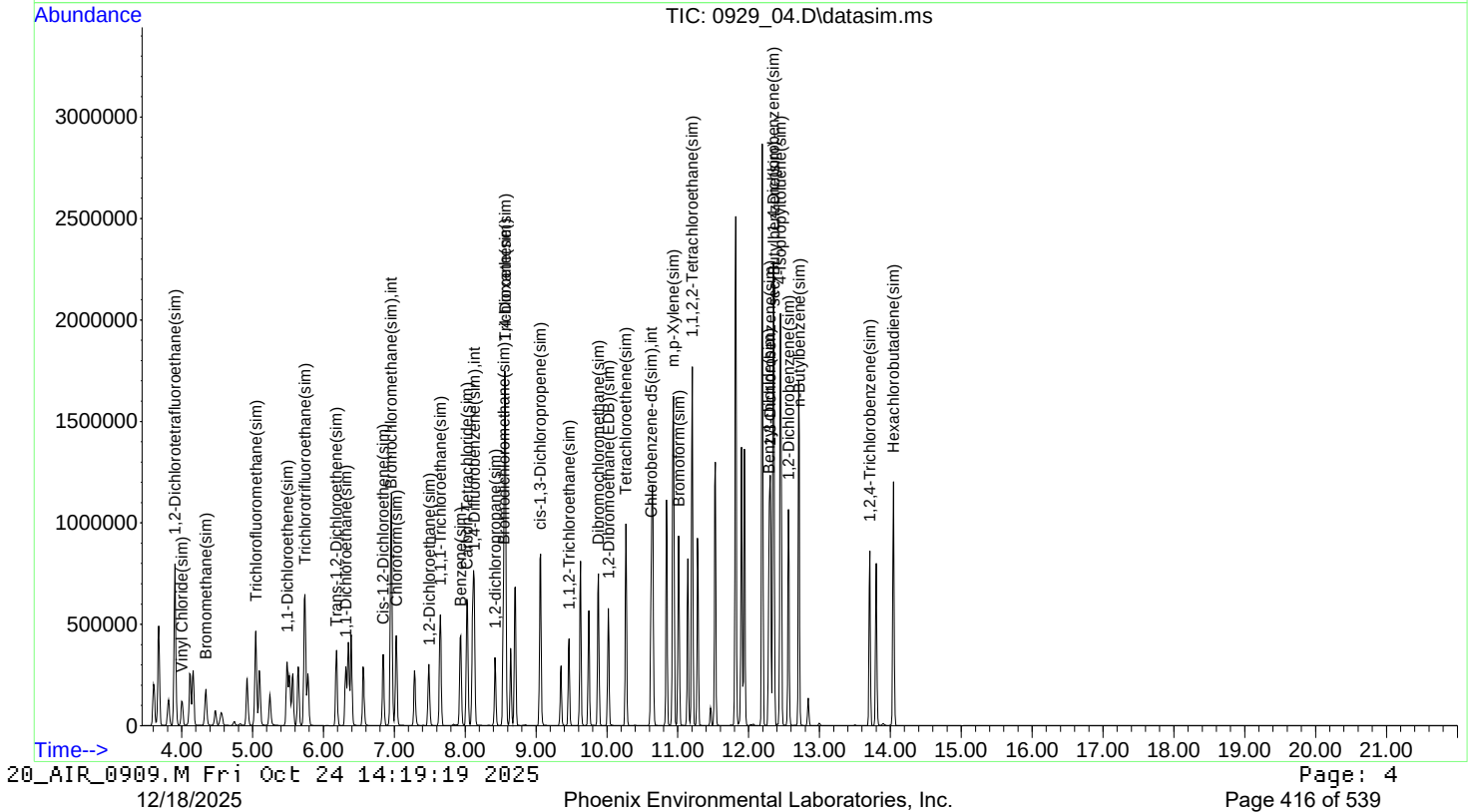
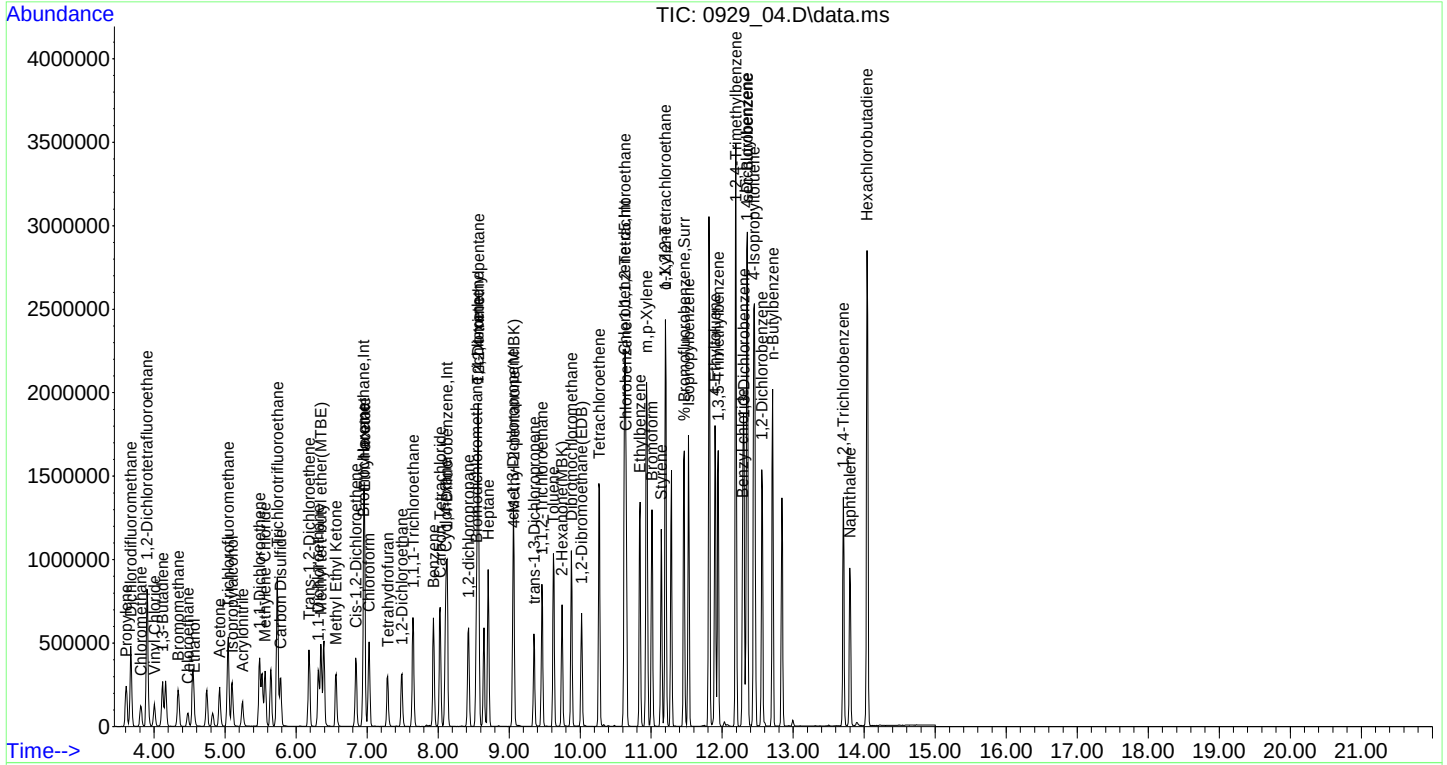
	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
110]	sec-Butylbenzene(sim)	12.357	105	1198283	9.576	ppbv	95
111]	4-Isopropyltoluene(sim)	12.445	119	1025729	9.819	ppbv#	83
112]	1,2-Dichlorobenzene(sim)	12.562	146	686031	9.736	ppbv	92
113]	n-Butylbenzene(sim)	12.711	91	911329	10.375	ppbv	96
114]	1,2,4-Trichlorobenzene...	13.709	180	475666	10.329	ppbv	97
116]	Hexachlorobutadiene(sim)	14.043	225	641261	7.758	ppbv	98

(#)out of range (m>manual integration reviewed by analyst (+)signals summed

(QT Reviewed)

Data Path : H:\AIR2025\CHEM20\09SEP\29\
Data File : 0929_04.D
Acq On : 29 Sep 2025 3:22 pm
Operator :
Client ID : CU36389 LCS
Lab ID : CU36389 LCS
ALS Vial : 29 Sample Multiplier: 1

Quant Time: Sep 30 08:46:26 2025
Quant Method : H:\AIR2025\CHEM20\Methods\20_AIR_0909.M
Quant Title : VOA Standards for 5 point calibration
QLast Update : Wed Sep 10 12:52:46 2025
Response via : Initial Calibration



1
AIR ANALYSIS DATA SHEET

CLIENT ID

CU36389 QC 0.5 X

Client: FPMGROUP Lab: Phoenix Env. Labs

SDG No.: GCU37304 Lab Sample ID: CU36389 0.5X

Canister: 9544 Lab File ID: 0929_07.D

Instrument: CHEM20 Column: RTX-1 60M Date Received: 09/29/25

Purge Volume 200 (cc) Date Analyzed: 09/29/25

Matrix: AIR Dilution Factor: 0.5

CONCENTRATION UNITS: (ppbv or ug/m3) ppbv

CAS NO.	COMPOUND	CONC.	Q	MDL	PQL	R
115-07-1	Propylene	0.250	U	0.250	0.250	r
75-71-8	Dichlorodifluoromethane	0.309		0.250	0.250	r
74-87-3	Chloromethane	0.512		0.250	0.250	r
106-99-0	1,3-Butadiene	0.100	U	0.100	0.100	r
75-00-3	Chloroethane	0.250	U	0.250	0.250	r
64-17-5	Ethanol	17.0	S	0.375	0.375	r
67-64-1	Acetone	14.9	S	0.375	0.375	r
75-69-4	Trichlorofluoromethane	0.250	U	0.250	0.250	r
67-63-0	Isopropylalcohol	1.05	S	0.375	0.375	r
107-13-1	Acrylonitrile	0.100	U	0.100	0.100	r
75-09-2	Methylene Chloride	1.50	U	1.50	1.50	r
75-15-0	Carbon Disulfide	0.604		0.250	0.250	r
1634-04-4	Methyl tert-butyl ether(MTBE)	0.250	U	0.250	0.250	r
78-93-3	Methyl Ethyl Ketone	0.531		0.225	0.225	r
110-54-3	Hexane	0.250	S	0.225	0.225	r
141-78-6	Ethyl acetate	0.250	U	0.250	0.250	r
109-99-9	Tetrahydrofuran	0.250	U	0.250	0.250	r
71-43-2	Benzene	0.129		0.100	0.100	r
110-82-7	Cyclohexane	2.21		0.250	0.250	r
540-84-1	2,2,4-trimethylpentane	0.107	U	0.107	0.107	
142-82-5	Heptane	0.250	U	0.250	0.250	r
108-10-1	4-Methyl-2-pentanone(MIBK)	0.898		0.250	0.250	r
10061-02-6	trans-1,3-Dichloropropene	0.250	U	0.250	0.250	r
108-88-3	Toluene	0.626		0.250	0.250	r
591-78-6	2-Hexanone(MBK)	0.250	U	0.250	0.250	r
630-20-6	1,1,1,2-Tetrachloroethane	0.025	U	0.025	0.025	r
108-90-7	Chlorobenzene	0.100	U	0.100	0.100	r
100-41-4	Ethylbenzene	0.250	U	0.250	0.250	r
179601-23-1	m,p-Xylene	0.540		0.500	0.500	r
100-42-5	Styrene	0.183		0.100	0.100	r
95-47-6	o-Xylene	0.336		0.250	0.250	r
98-82-8	Isopropylbenzene	0.250	U	0.250	0.250	r
622-96-8	4-Ethyltoluene	0.250	U	0.250	0.250	r
108-67-8	1,3,5-Trimethylbenzene	0.250	U	0.250	0.250	r
95-63-6	1,2,4-Trimethylbenzene	0.250	U	0.250	0.250	r
99-87-6	4-Isopropyltoluene	0.250	U	0.250	0.250	r

FORM I AIR

r=Result Reported U=Not Detected D=Reported Dilution E/J=Estimated Value X=Not Used S=Lab Solvent

1
AIR ANALYSIS DATA SHEET

CLIENT ID

CU36389 QC 0.5 X

Client:	FPMGROUP	Lab:	Phoenix Env. Labs
SDG No.:	GCU37304	Lab Sample ID:	CU36389 0.5X
Canister:	9544	Lab File ID:	0929_07.D
Instrument:	CHEM20	Column:	RTX-1 60M
Purge Volume	200	(cc)	Date Received: 09/29/25
Matrix:	AIR	Dilution Factor:	0.5

CONCENTRATION UNITS: (ppbv or ug/m3) ppbv

CAS NO.	COMPOUND	CONC.	Q	MDL	PQL	R
91-20-3	Naphthalene	0.176		0.055	0.050	r
76-14-2	1,2-Dichlorotetrafluoroethane(sim)	0.250	U	0.250	0.250	r
75-01-4	Vinyl Chloride(sim)	0.010	U	0.010	0.010	r
74-83-9	Bromomethane(sim)	0.070	U	0.070	0.070	r
107-06-2	1,2-Dichloroethane(sim)	0.010	U	0.010	0.010	r
71-55-6	1,1,1-Trichloroethane(sim)	0.250	U	0.250	0.250	r
56-23-5	Carbon Tetrachloride(sim)	0.058		0.043	0.043	r
75-35-4	1,1-Dichloroethene(sim)	0.010	U	0.010	0.010	r
76-13-1	Trichlorotrifluoroethane(sim)	0.250	U	0.250	0.250	r
156-60-5	Trans-1,2-Dichloroethene(sim)	0.100	U	0.100	0.100	r
75-34-3	1,1-Dichloroethane(sim)	0.075	U	0.075	0.075	r
156-59-2	Cis-1,2-Dichloroethene(sim)	0.100	U	0.100	0.100	r
67-66-3	Chloroform(sim)	0.100	U	0.100	0.100	r
78-87-5	1,2-dichloropropane(sim)	0.010	U	0.010	0.010	r
75-27-4	Bromodichloromethane(sim)	0.010	U	0.010	0.010	r
79-01-6	Trichloroethene(sim)	0.025	U	0.025	0.025	r
123-91-1	1,4-Dioxane(sim)	0.025	U	0.025	0.025	r
10061-01-5	cis-1,3-Dichloropropene(sim)	0.050	U	0.050	0.050	r
79-00-5	1,1,2-Trichloroethane(sim)	0.010	U	0.010	0.010	r
124-48-1	Dibromochloromethane(sim)	0.010	U	0.010	0.010	r
106-93-4	1,2-Dibromoethane(EDB)(sim)	0.005	U	0.005	0.005	r
127-18-4	Tetrachloroethene(sim)	0.050	U	0.050	0.050	r
75-25-2	Bromoform(sim)	0.025	U	0.025	0.025	r
79-34-5	1,1,2,2-Tetrachloroethane(sim)	0.005	U	0.005	0.005	r
100-44-7	Benzyl chloride(sim)	0.100	U	0.100	0.100	r
541-73-1	1,3-Dichlorobenzene(sim)	0.050	U	0.050	0.050	r
106-46-7	1,4-Dichlorobenzene(sim)	0.040	U	0.040	0.040	r
135-98-8	sec-Butylbenzene(sim)	0.250	U	0.250	0.250	r
95-50-1	1,2-Dichlorobenzene(sim)	0.050	U	0.050	0.050	r
104-51-8	n-Butylbenzene(sim)	0.250	U	0.250	0.250	r
120-82-1	1,2,4-Trichlorobenzene(sim)	0.010	U	0.010	0.010	r
87-68-3	Hexachlorobutadiene(sim)	0.010	U	0.010	0.010	r

FORM I AIR
r=Result Reported U=Not Detected D=Reported Dilution E/J=Estimated Value X=Not Used S=Lab Solvent

Data Path : H:\AIR2025\CHEM20\09SEP\29\
 Data File : 0929_07.D
 Acq On : 29 Sep 2025 5:11 pm
 Operator :
 Client ID : CU36389 QC 0.5 X
 Lab ID : CU36389 QC 0.5 X
 ALS Vial : 3 Sample Multiplier: 1

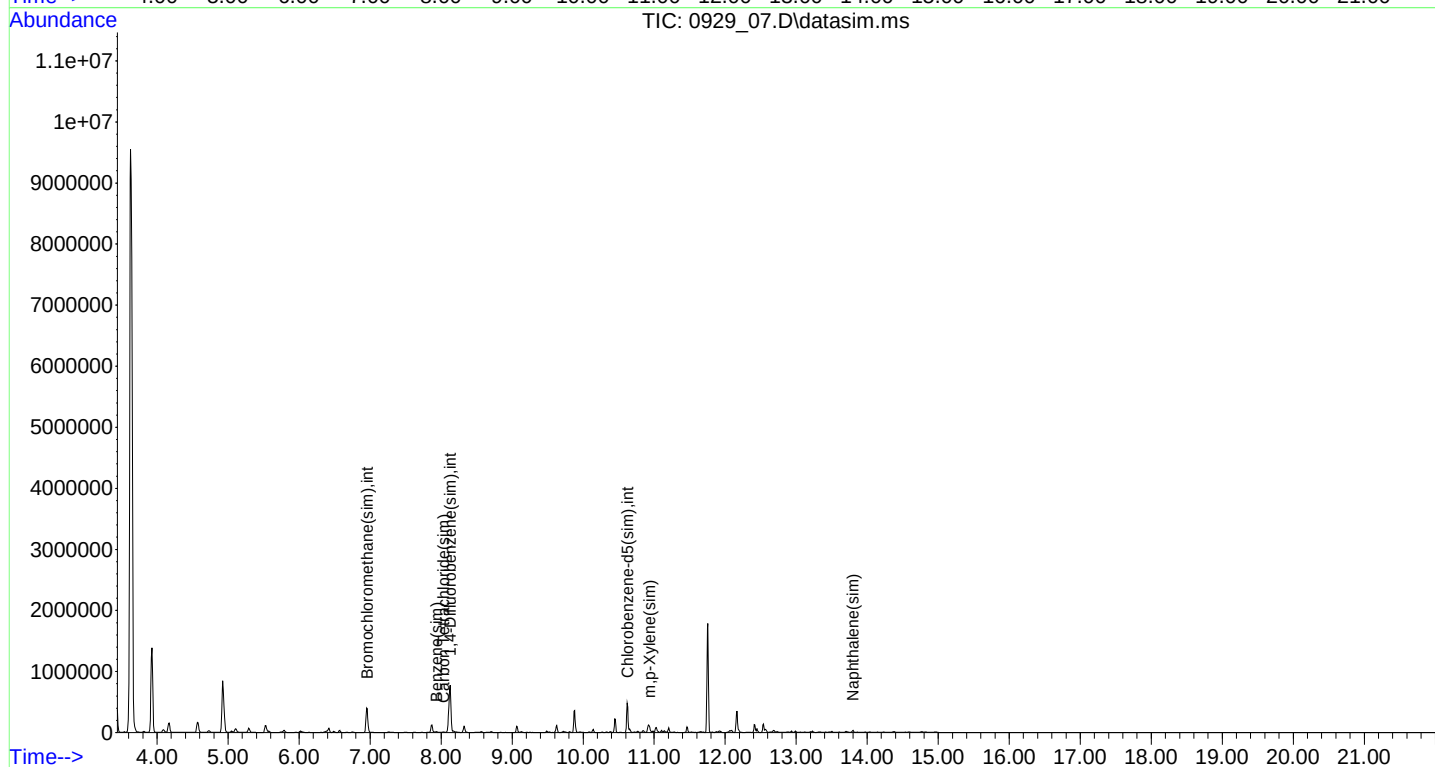
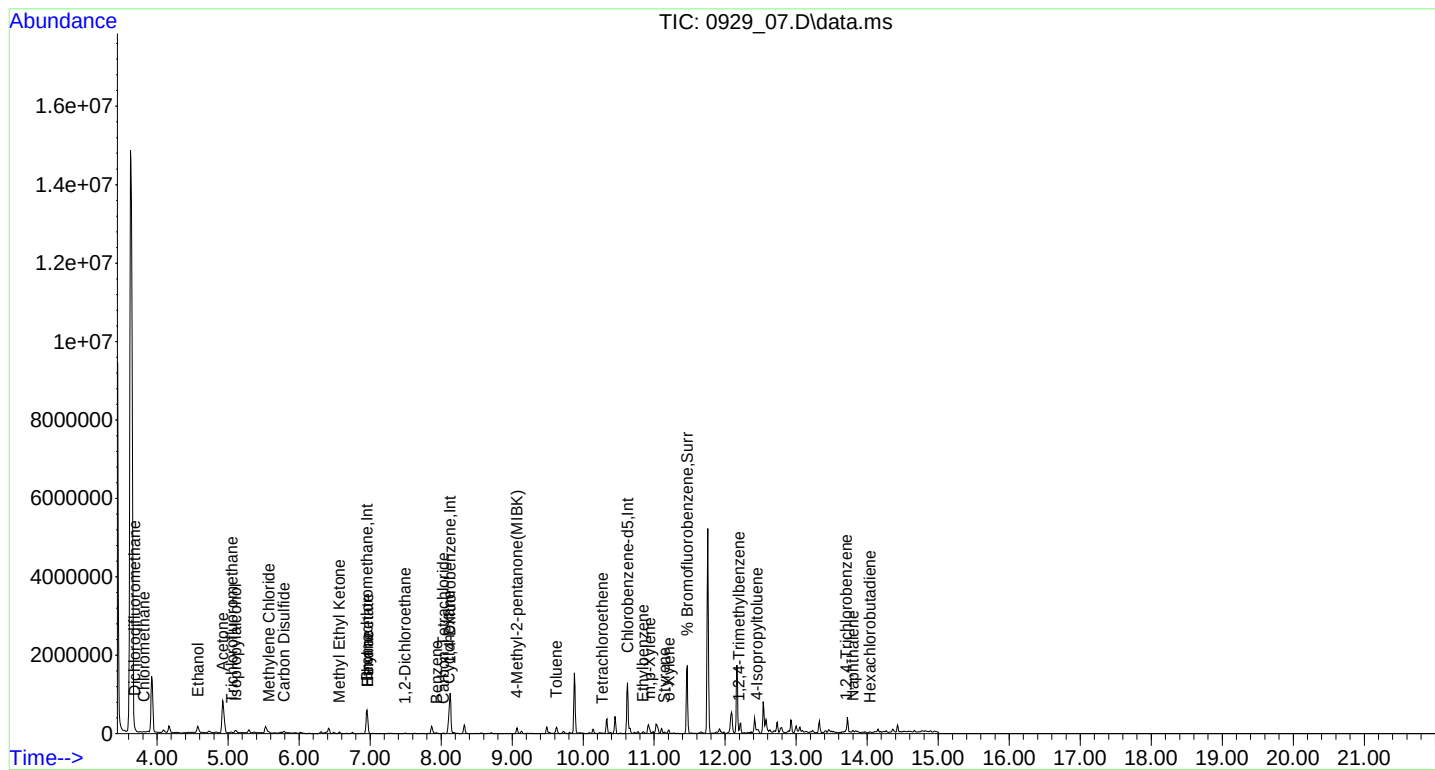
Quant Time: Sep 30 08:49:53 2025
 Quant Method : H:\AIR2025\CHEM20\Methods\20_AIR_0909.M
 Quant Title : VOA Standards for 5 point calibration
 QLast Update : Wed Sep 10 12:52:46 2025
 Response via : Initial Calibration

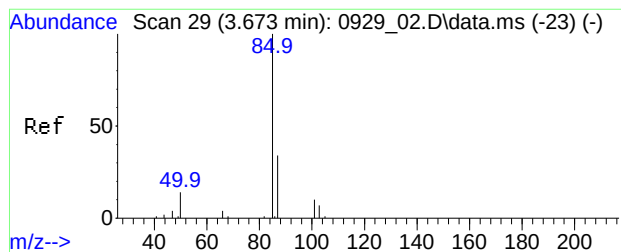
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	6.956	130	180943	10.000	ng	0.00
36) 1,4-Difluorobenzene	8.125	114	653231	10.000	ng	0.00
53) Chlorobenzene-d5	10.624	82	309779	10.000	ng	0.00
78) Bromochloromethane(sim)	6.959	130	203885	10.000	ng	# 0.00
93) 1,4-Difluorobenzene(sim)	8.125	114	653231	10.000	ng	0.00
103) Chlorobenzene-d5(sim)	10.624	82	309779	10.000	ng	0.00
System Monitoring Compounds						
62) % Bromofluorobenzene	11.466	95	422286	10.333	ppbv	0.00
Spiked Amount	10.000	Range	70 - 130	Recovery	=	103.30%
Target Compounds						
					Qvalue	
3) Dichlorodifluoromethane	3.681	85	30752	0.617	ppbv	99
4) Chloromethane	3.811	50	16939	1.023	ppbv	100
11) Ethanol	4.573	45	190454	33.981	ppbv#	41
12) Acetone	4.922	43	996289	29.819	ppbv#	81
13) Trichlorofluoromethane	5.052	101	18181	0.359	ppbv	94
14) Isopropylalcohol	5.109	45	70855	2.099	ppbv#	95
17) Methylene Chloride	5.575	49	16878	0.707	ppbv	98
20) Carbon Disulfide	5.789	76	54123	1.208	ppbv	95
25) Methyl Ethyl Ketone	6.567	43	40870	1.062	ppbv#	92
27) Hexane	6.964	57	12000	0.500	ppbv#	78
29) Ethyl acetate	6.964	61	2433	0.436	ppbv#	81
31) 1,2-Dichloroethane	7.491	62	805	0.031	ppbv#	70
33) Benzene	7.935	78	12850	0.257	ppbv	96
34) Carbon Tetrachloride	8.030	117	6390	0.139	ppbv	97
35) Cyclohexane	8.108	84	89105	4.416	ppbv	91
39) Trichloroethene	8.567	130	1189	0.044	ppbv#	84
45) 4-Methyl-2-pentanone(M...)	9.068	43	87645	1.796	ppbv#	88
48) Toluene	9.624	91	83057	1.252	ppbv	97
52) Tetrachloroethene	10.271	166	2509	0.055	ppbv#	86
56) Ethylbenzene	10.844	91	18633	0.243	ppbv	83
57) m, p-Xylene	10.935	91	63512	1.080	ppbv	100
59) Styrene	11.140	104	16440	0.366	ppbv#	72
60) 1,1,2,2-Tetrachloroethane	11.216	83	322	0.007	ppbv#	1
61) o-Xylene	11.208	91	41412	0.672	ppbv#	86
67) 1,2,4-Trimethylbenzene	12.195	105	17411	0.232	ppbv#	68
72) 4-Isopropyltoluene	12.445	119	33412	0.318	ppbv	100
75) 1,2,4-Trichlorobenzene	13.706	180	1538	0.036	ppbv#	79
76) Naphthalene	13.797	128	24083	0.352	ppbv#	94
77) Hexachlorobutadiene	14.040	225	1493	0.026	ppbv	91
85] Benzene(sim)	7.935	78	12850	0.238	ppbv	96
86] Carbon Tetrachloride(sim)	8.033	117	6705	0.116	ppbv	100
105] m, p-Xylene(sim)	10.935	91	63911	1.011	ppbv#	92
115] Naphthalene(sim)	13.797	128	24083	0.395	ppbv	100

(#)out of range (m)manual integration reviewed by analyst (+)signals summed

Data Path : H:\AIR2025\CHEM20\09SEP\29\
Data File : 0929_07.D
Acq On : 29 Sep 2025 5:11 pm
Operator :
Client ID : CU36389 QC 0.5 X
Lab ID : CU36389 QC 0.5 X
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 30 08:49:53 2025
Quant Method : H:\AIR2025\CHEM20\Methods\20_AIR_0909.M
Quant Title : VOA Standards for 5 point calibration
QLast Update : Wed Sep 10 12:52:46 2025
Response via : Initial Calibration

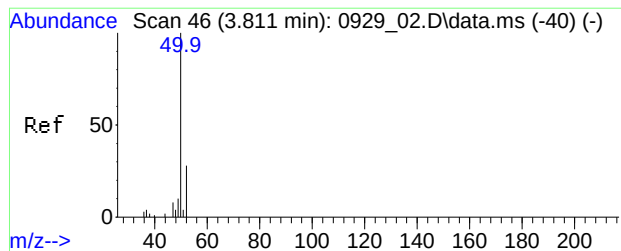
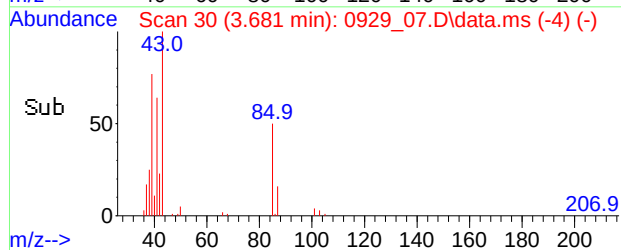
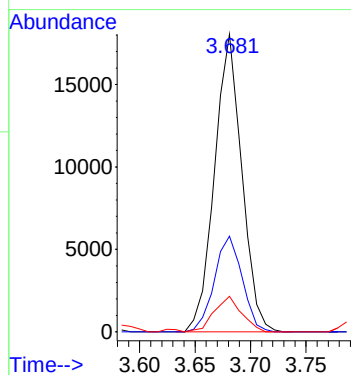
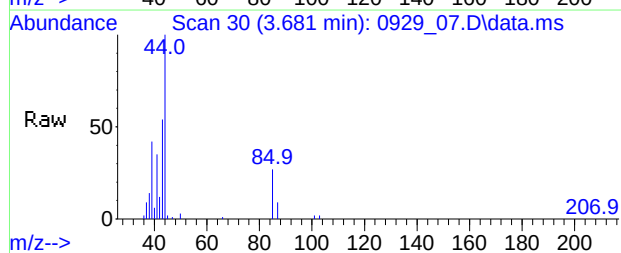




#3
Dichlorodifluoromethane
Conc: 8\$ 0.617 ppbv
RT: 3.681 min Scan# 30
Delta R.T. 0.008 min
Lab File: 0929_07.D
Acq: 29 Sep 2025 5:11 pm

Tgt Ion: 85 Resp: 30752

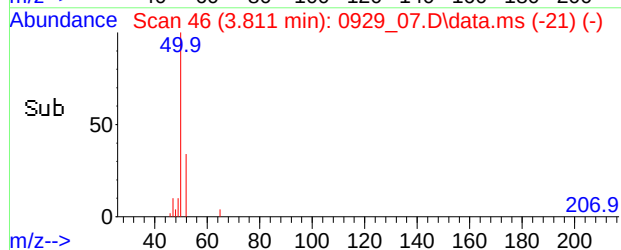
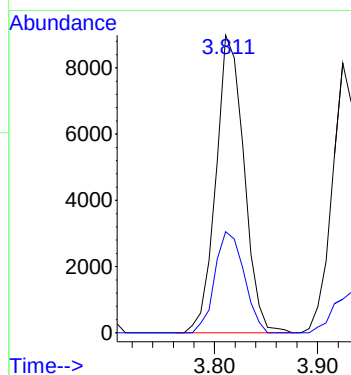
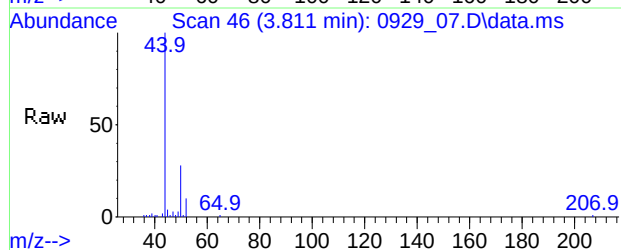
Ion	Ratio	Lower	Upper
85	100		
87	32.8	25.8	38.8
50	12.0	10.6	15.8

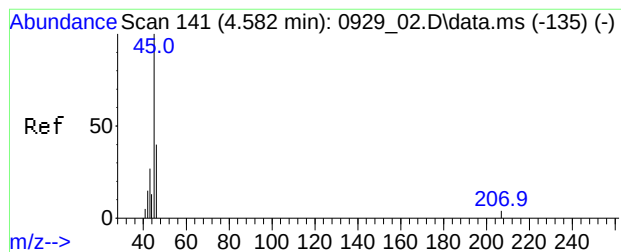


#4
Chloromethane
Conc: 8\$ 1.023 ppbv
RT: 3.811 min Scan# 46
Delta R.T. -0.000 min
Lab File: 0929_07.D
Acq: 29 Sep 2025 5:11 pm

Tgt Ion: 50 Resp: 16939

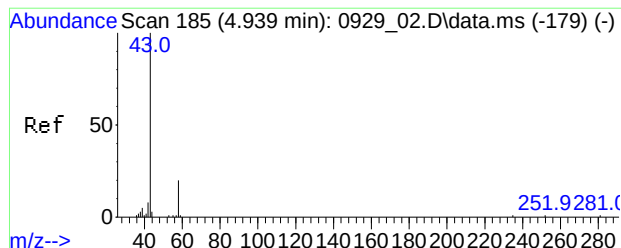
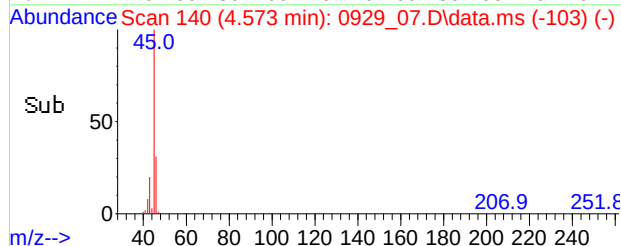
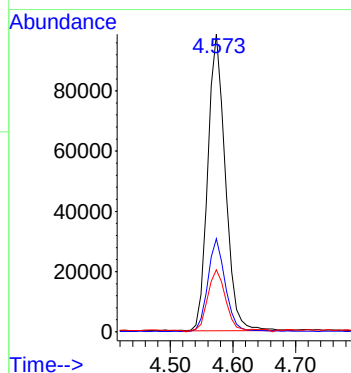
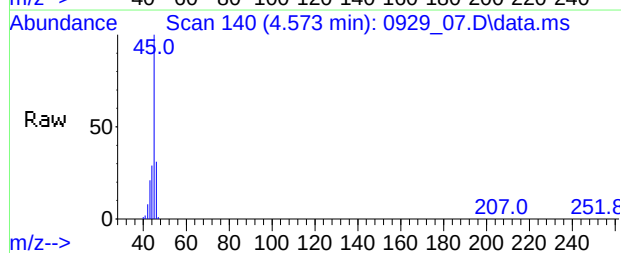
Ion	Ratio	Lower	Upper
50	100		
52	35.4	15.5	55.5





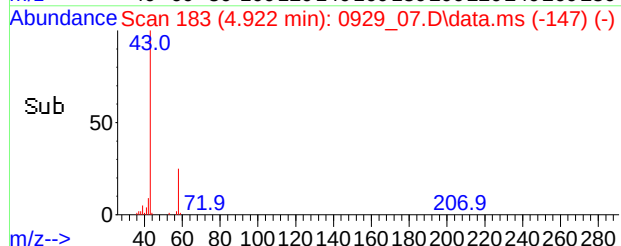
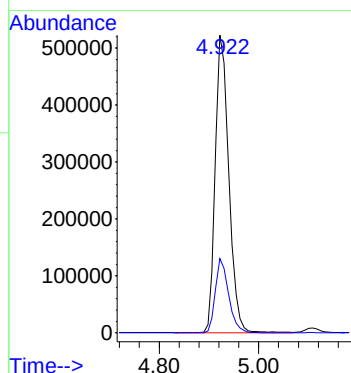
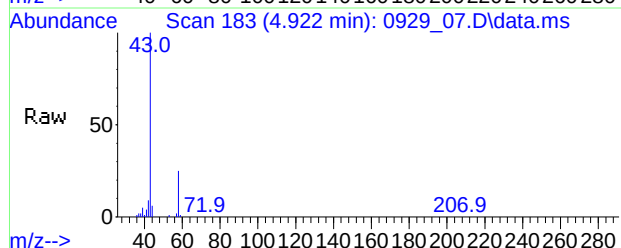
#11
Ethanol
Conc: 8\$ 33.981 ppbv
RT: 4.573 min Scan# 140
Delta R.T. -0.000 min
Lab File: 0929_07.D
Acq: 29 Sep 2025 5:11 pm

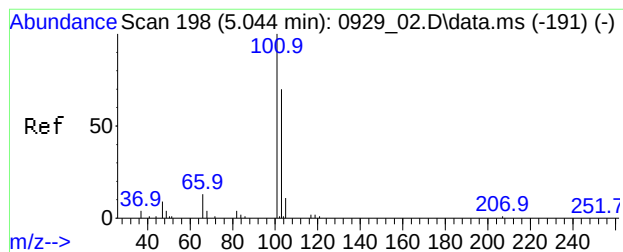
Tgt Ion: 45 Resp: 190454
Ion Ratio Lower Upper
45 100
46 32.1 0.6 0.8#
43 22.4 0.0 0.0#



#12
Acetone
Conc: 8\$ 29.819 ppbv
RT: 4.922 min Scan# 183
Delta R.T. -0.008 min
Lab File: 0929_07.D
Acq: 29 Sep 2025 5:11 pm

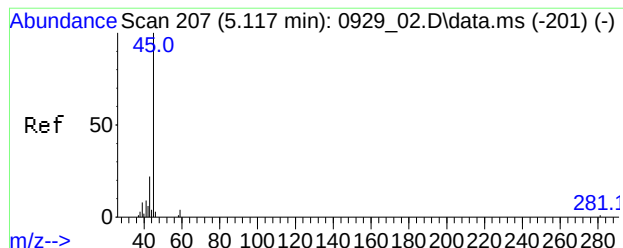
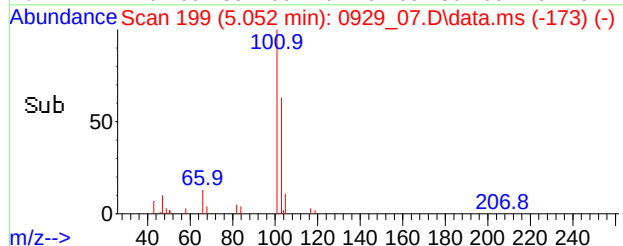
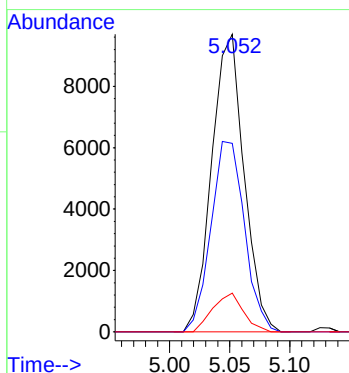
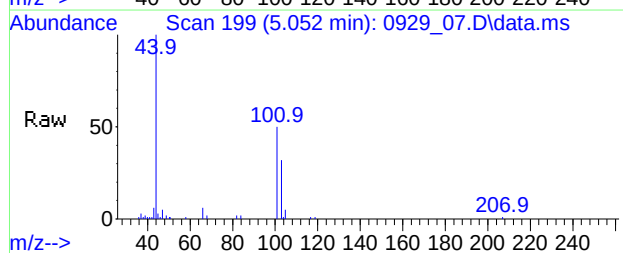
Tgt Ion: 43 Resp: 996289
Ion Ratio Lower Upper
43 100
58 24.4 0.2 0.2#





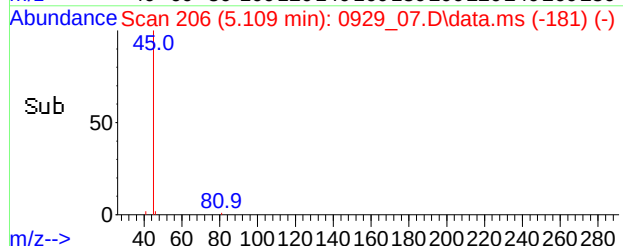
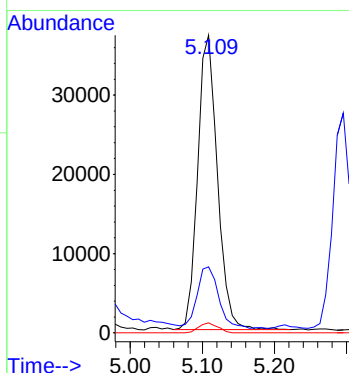
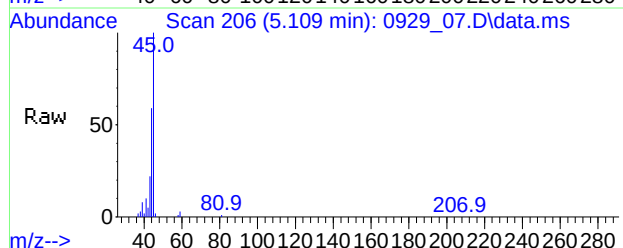
#13
Trichlorofluoromethane
Conc: 8\$ 0.359 ppbv
RT: 5.052 min Scan# 199
Delta R.T. 0.008 min
Lab File: 0929_07.D
Acq: 29 Sep 2025 5:11 pm

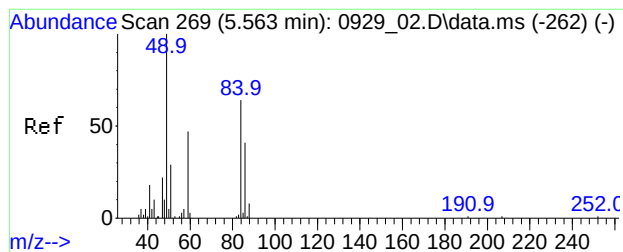
Tgt Ion: 101 Resp: 18181
Ion Ratio Lower Upper
101 100
103 66.3 49.8 74.8
66 12.3 12.1 18.1



#14
Isopropylalcohol
Conc: 8\$ 2.099 ppbv
RT: 5.109 min Scan# 206
Delta R.T. 0.000 min
Lab File: 0929_07.D
Acq: 29 Sep 2025 5:11 pm

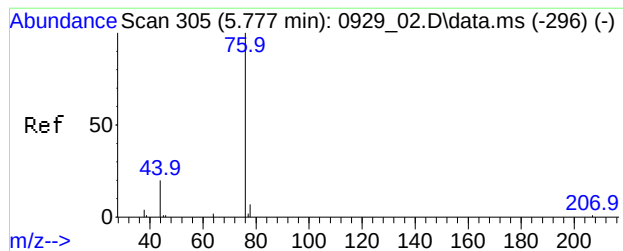
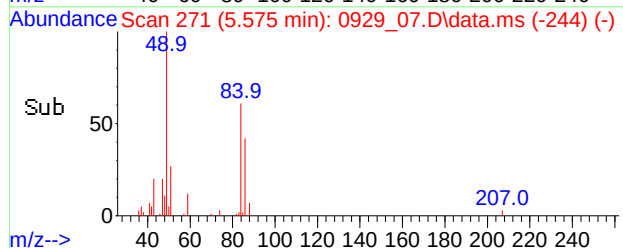
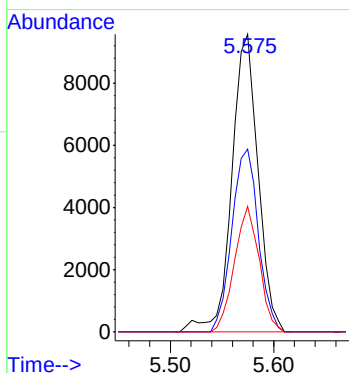
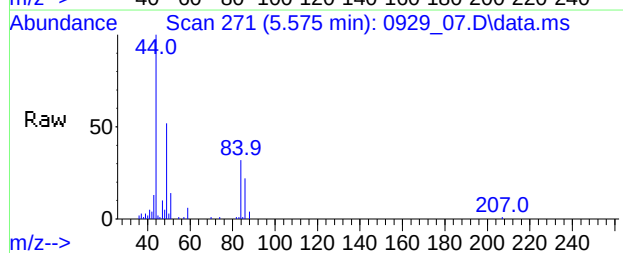
Tgt Ion: 45 Resp: 70855
Ion Ratio Lower Upper
45 100
43 22.9 0.0 0.0#
59 3.3 0.6 1.0#





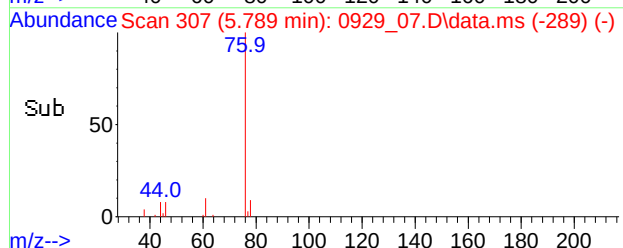
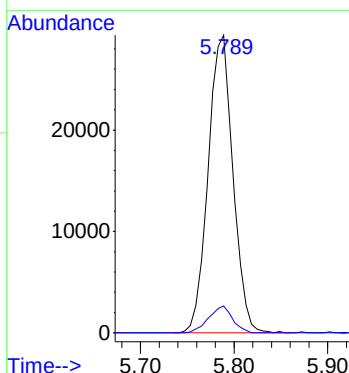
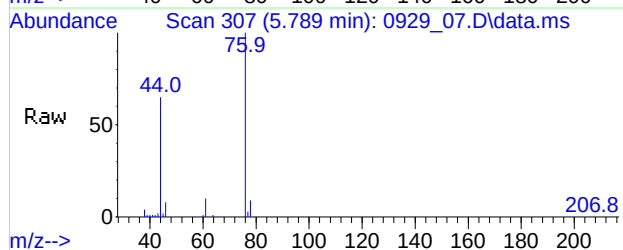
#17
Methylene Chloride
Conc: 8\$ 0.707 ppbv
RT: 5.575 min Scan# 271
Delta R.T. 0.012 min
Lab File: 0929_07.D
Acq: 29 Sep 2025 5:11 pm

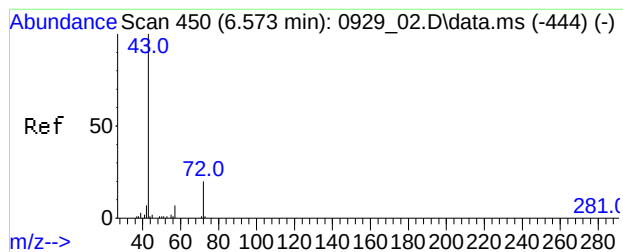
Tgt Ion: 49 Resp: 16878
Ion Ratio Lower Upper
49 100
84 61.9 50.1 75.1
86 39.7 33.8 50.8



#20
Carbon Disulfide
Conc: 8\$ 1.208 ppbv
RT: 5.789 min Scan# 307
Delta R.T. 0.006 min
Lab File: 0929_07.D
Acq: 29 Sep 2025 5:11 pm

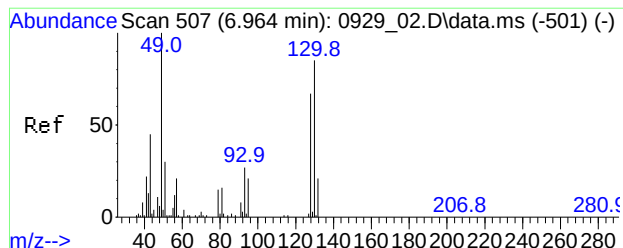
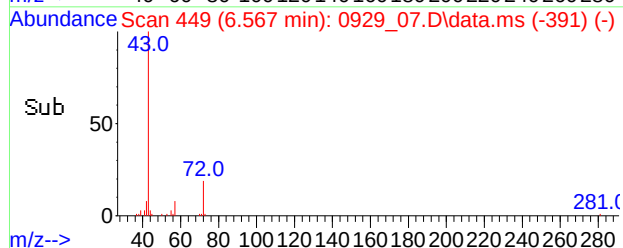
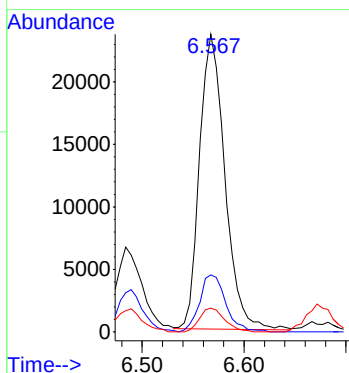
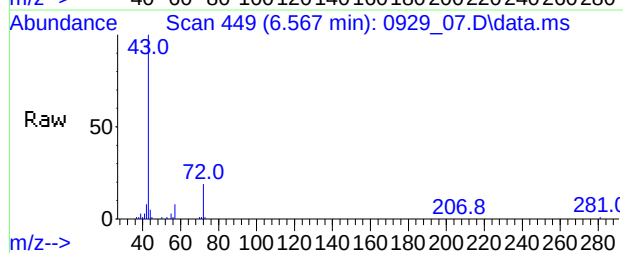
Tgt Ion: 76 Resp: 54123
Ion Ratio Lower Upper
76 100
78 8.7 8.3 12.5





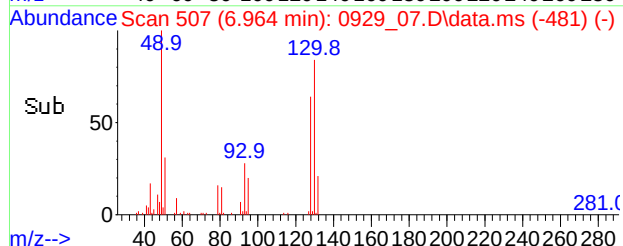
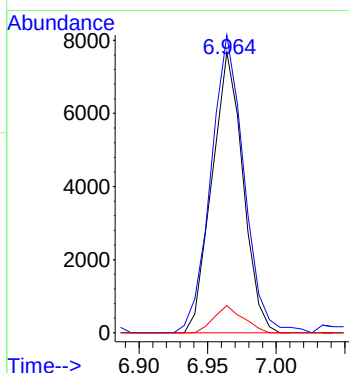
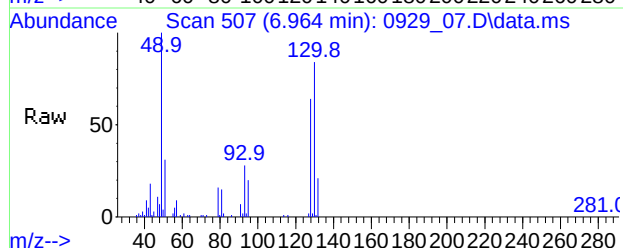
#25
Methyl Ethyl Ketone
Conc: 8\$ 1.062 ppbv
RT: 6.567 min Scan# 449
Delta R.T. 0.000 min
Lab File: 0929_07.D
Acq: 29 Sep 2025 5:11 pm

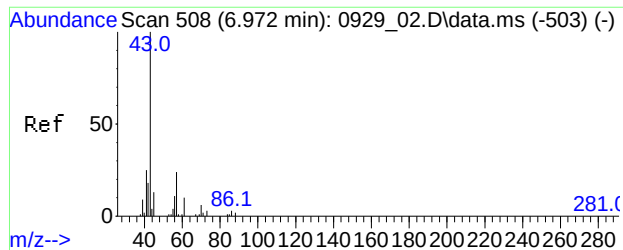
Tgt Ion: 43 Resp: 40870
Ion Ratio Lower Upper
43 100
72 19.9 0.0 0.0#
57 7.9 0.2 0.4#



#27
Hexane
Conc: 8\$ 0.500 ppbv
RT: 6.964 min Scan# 507
Delta R.T. -0.000 min
Lab File: 0929_07.D
Acq: 29 Sep 2025 5:11 pm

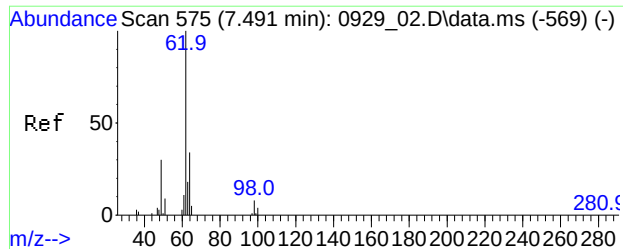
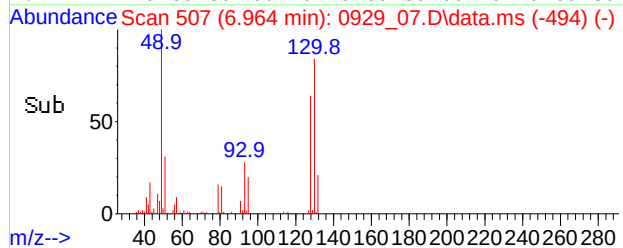
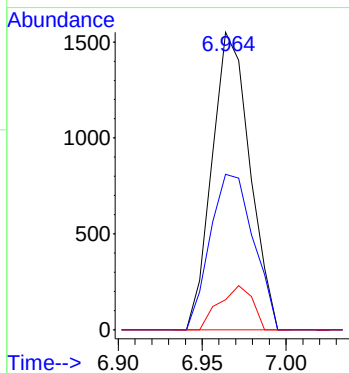
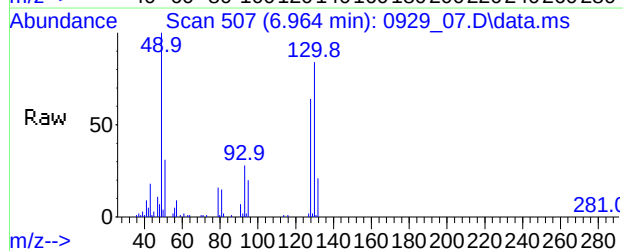
Tgt Ion: 57 Resp: 12000
Ion Ratio Lower Upper
57 100
41 113.8 73.0 109.6#
86 9.1 9.8 14.8#





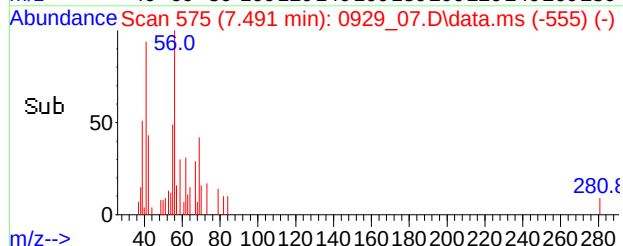
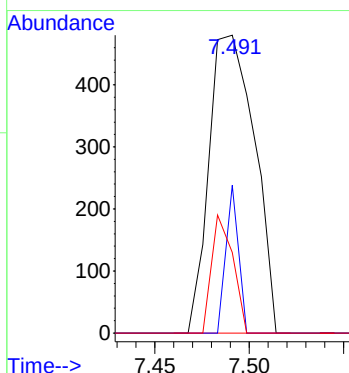
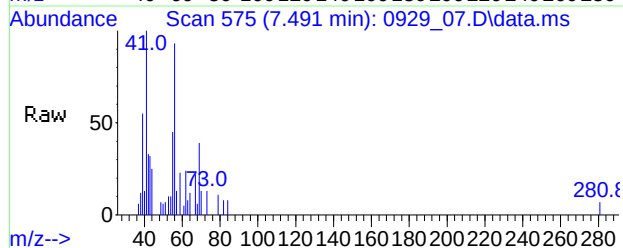
#29
Ethyl acetate
Conc: 8\$ 0.436 ppbv
RT: 6.964 min Scan# 507
Delta R.T. -0.000 min
Lab File: 0929_07.D
Acq: 29 Sep 2025 5:11 pm

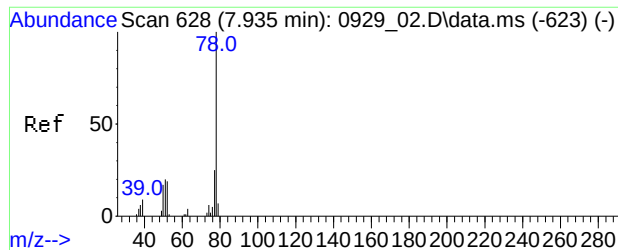
Tgt Ion: 61 Resp: 2433
Ion Ratio Lower Upper
61 100
70 60.1 62.8 94.2#
88 13.1 14.7 22.1#



#31
1,2-Dichloroethane
Conc: 8\$ Below Cal
RT: 7.491 min Scan# 575
Delta R.T. 0.008 min
Lab File: 0929_07.D
Acq: 29 Sep 2025 5:11 pm

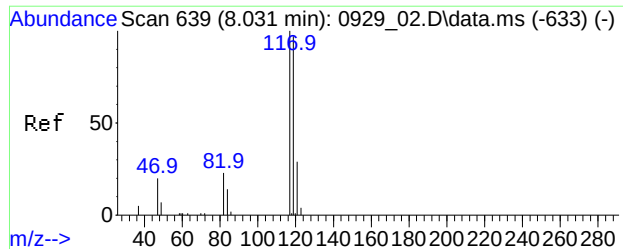
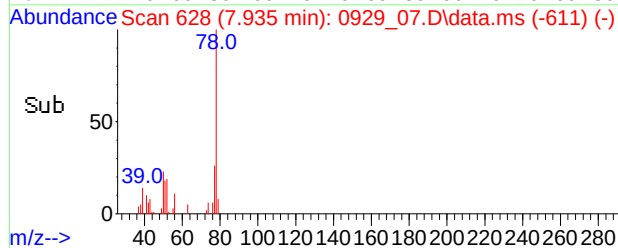
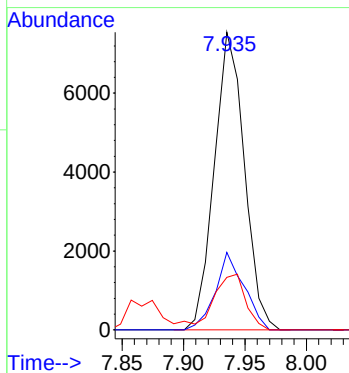
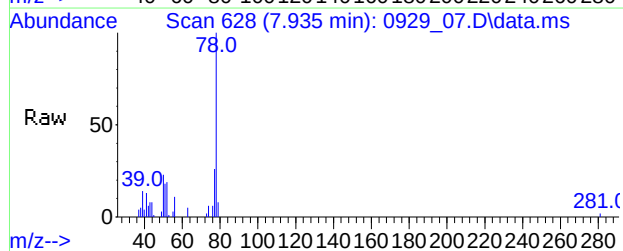
Tgt Ion: 62 Resp: 805
Ion Ratio Lower Upper
62 100
64 13.8 30.6 46.0#
49 18.5 20.6 30.8#





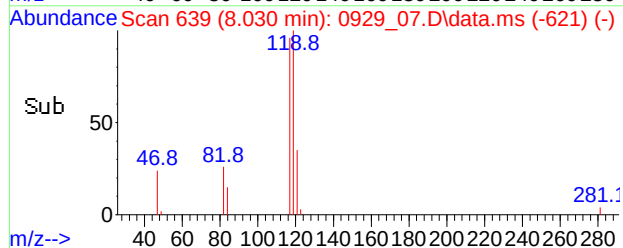
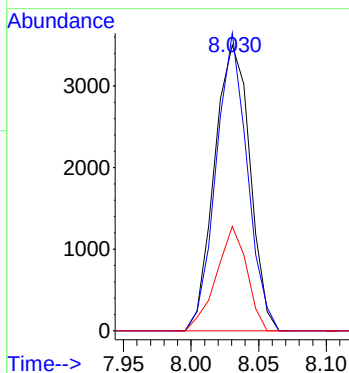
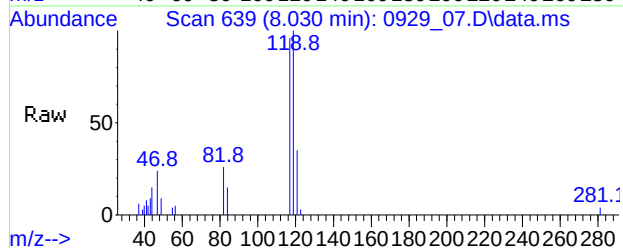
#33
Benzene
Conc: 8\$ 0.257 ppbv
RT: 7.935 min Scan# 628
Delta R.T. -0.000 min
Lab File: 0929_07.D
Acq: 29 Sep 2025 5:11 pm

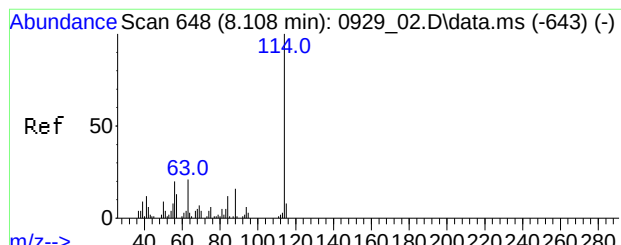
Tgt Ion: 78	Resp: 12850
Ion Ratio	Lower Upper
78 100	
77 24.8	17.4 26.0
51 19.2	15.8 23.6



#34
Carbon Tetrachloride
Conc: 8\$ Below Cal
RT: 8.030 min Scan# 639
Delta R.T. 0.009 min
Lab File: 0929_07.D
Acq: 29 Sep 2025 5:11 pm

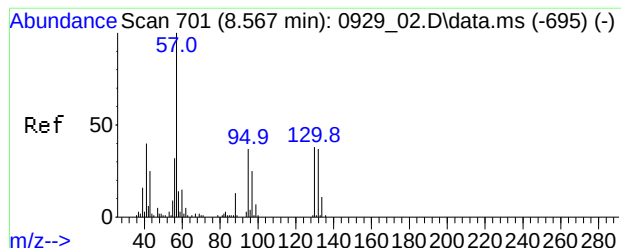
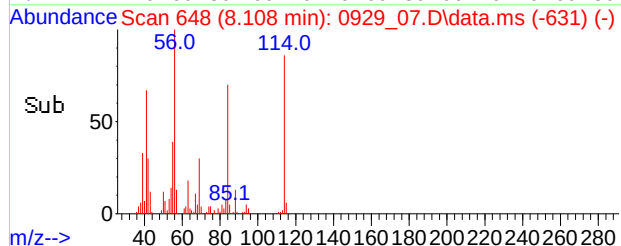
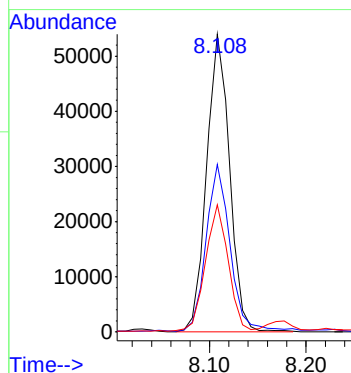
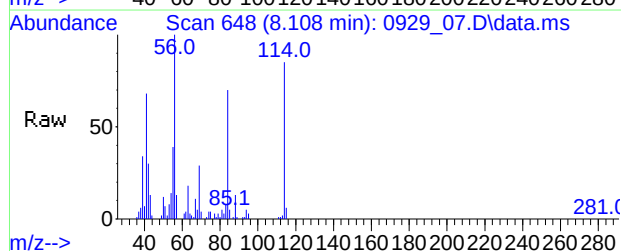
Tgt Ion: 117	Resp: 6390
Ion Ratio	Lower Upper
117 100	
119 91.2	74.9 114.9
121 31.5	11.2 51.2





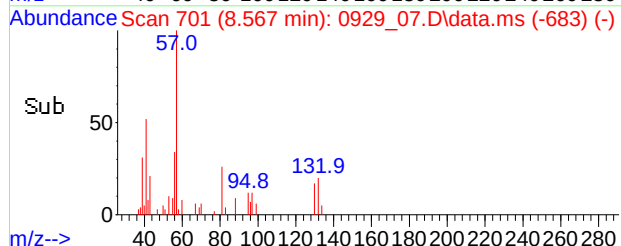
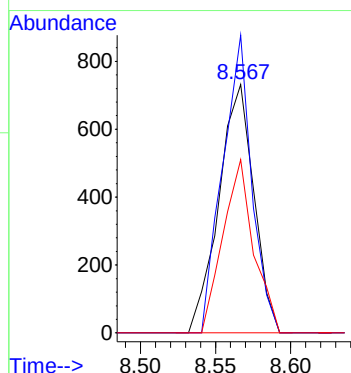
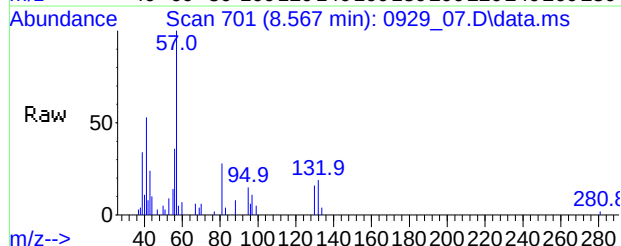
#35
Cyclohexane
Conc: 8\$ 4.416 ppbv
RT: 8.108 min Scan# 648
Delta R.T. -0.000 min
Lab File: 0929_07.D
Acq: 29 Sep 2025 5:11 pm

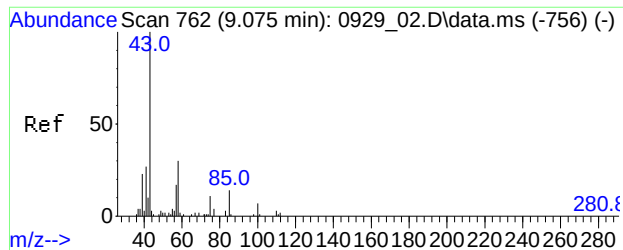
Tgt Ion: 84 Resp: 89105
Ion Ratio Lower Upper
84 100
55 58.1 52.4 78.6
42 42.0 29.8 44.6



#39
Trichloroethene
Conc: 8\$ Below Cal
RT: 8.567 min Scan# 701
Delta R.T. 0.009 min
Lab File: 0929_07.D
Acq: 29 Sep 2025 5:11 pm

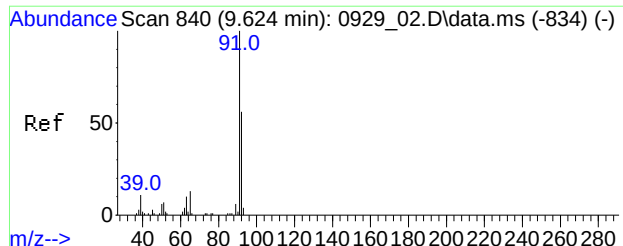
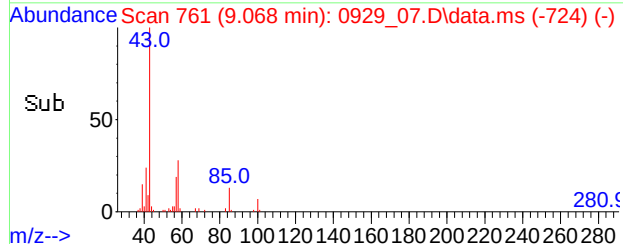
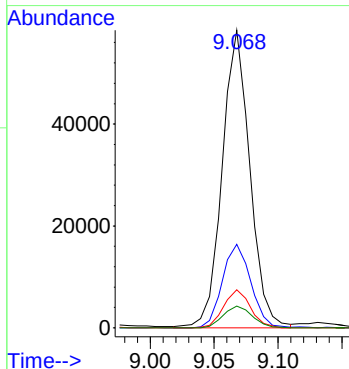
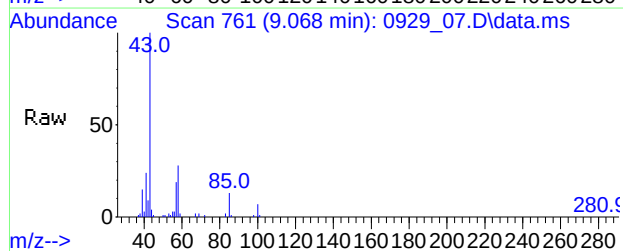
Tgt Ion: 130 Resp: 1189
Ion Ratio Lower Upper
130 100
132 99.7 88.3 132.5
97 61.1 65.9 98.9#





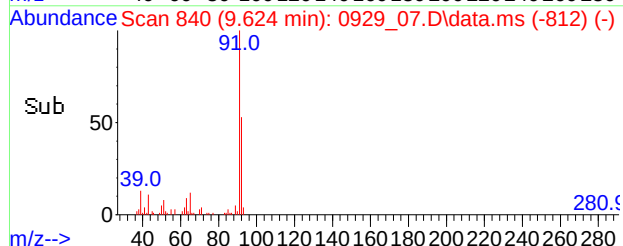
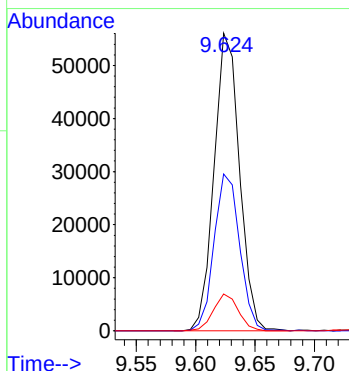
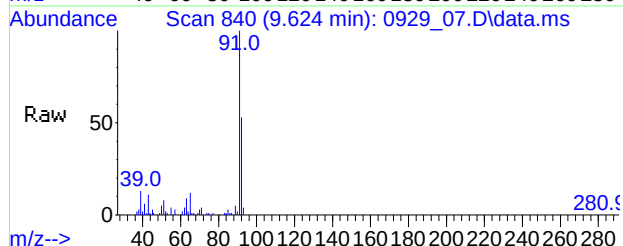
#45
4-Methyl-2-pentanone(MIBK)
Conc: 8\$ 1.796 ppbv
RT: 9.068 min Scan# 761
Delta R.T. 0.000 min
Lab File: 0929_07.D
Acq: 29 Sep 2025 5:11 pm

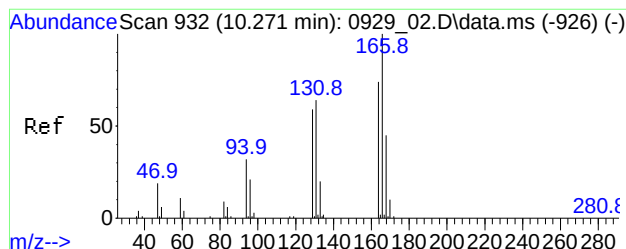
Tgt Ion:	43	Resp:	87645
Ion	Ratio	Lower	Upper
43	100		
58	28.9	28.6	43.0
85	12.4	15.4	23.0#
100	7.7	7.4	11.0



#48
Toluene
Conc: 8\$ 1.252 ppbv
RT: 9.624 min Scan# 840
Delta R.T. 0.000 min
Lab File: 0929_07.D
Acq: 29 Sep 2025 5:11 pm

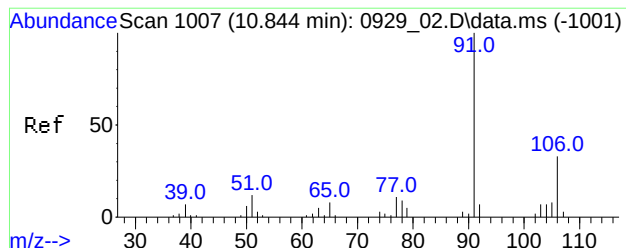
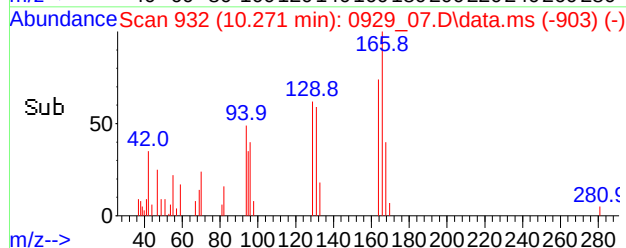
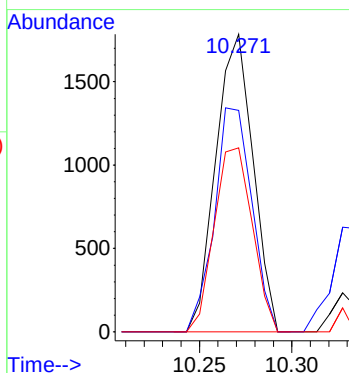
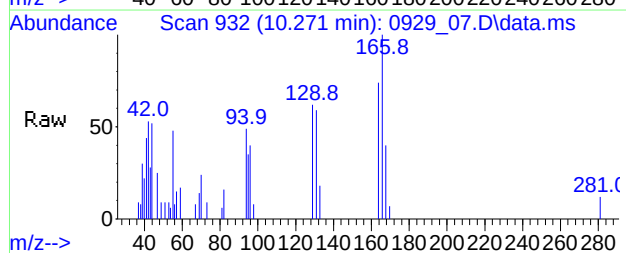
Tgt Ion:	91	Resp:	83057
Ion	Ratio	Lower	Upper
91	100		
92	53.1	43.8	65.8
65	12.1	10.6	16.0





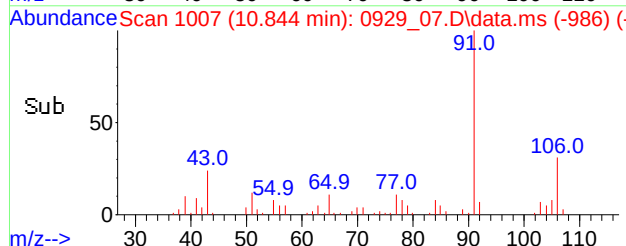
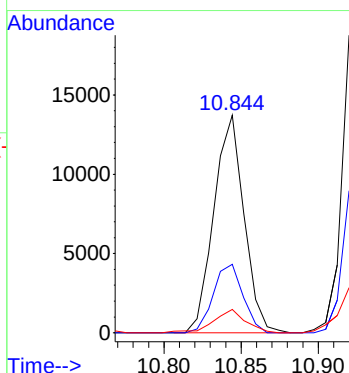
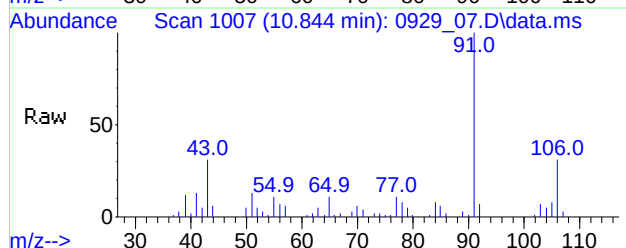
#52
Tetrachloroethene
Conc: 8\$ Below Cal
RT: 10.271 min Scan# 932
Delta R.T. 0.007 min
Lab File: 0929_07.D
Acq: 29 Sep 2025 5:11 pm

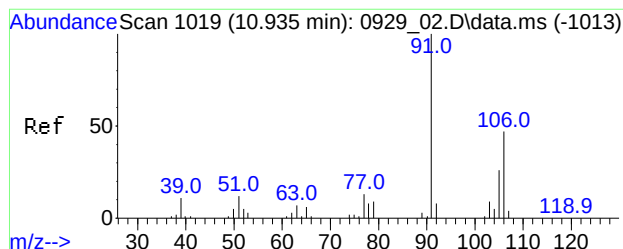
Tgt Ion: 166 Resp: 2509
Ion Ratio Lower Upper
166 100
164 75.8 63.4 95.2
129 63.4 68.4 102.6#



#56
Ethylbenzene
Conc: 8\$ 0.243 ppbv
RT: 10.844 min Scan# 1007
Delta R.T. 0.008 min
Lab File: 0929_07.D
Acq: 29 Sep 2025 5:11 pm

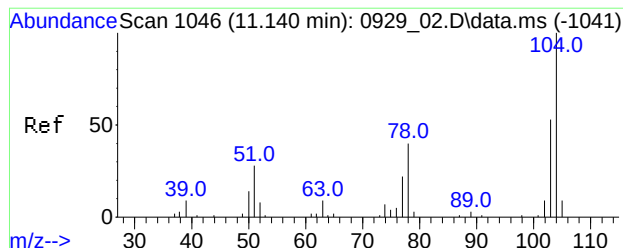
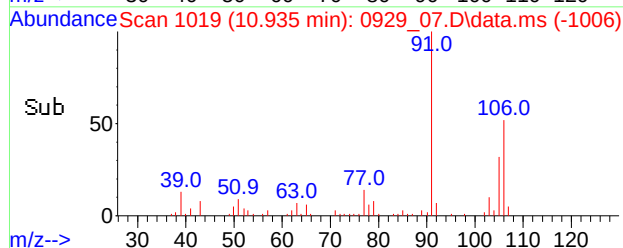
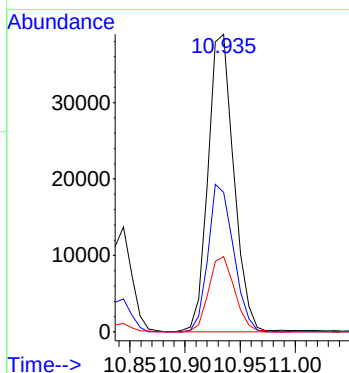
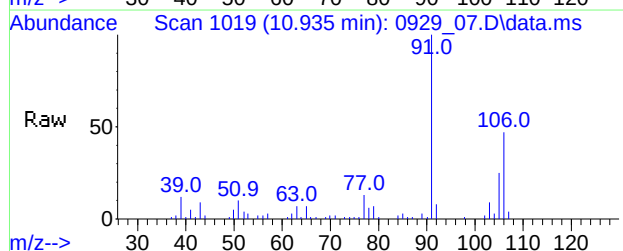
Tgt Ion: 91 Resp: 18633
Ion Ratio Lower Upper
91 100
106 31.0 24.0 64.0
77 11.5 0.0 33.4





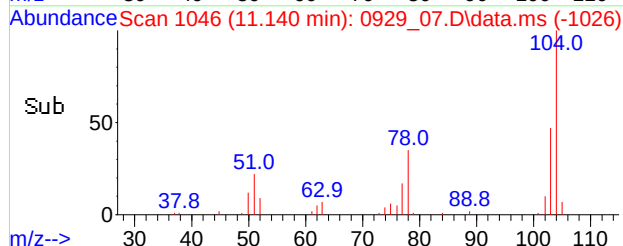
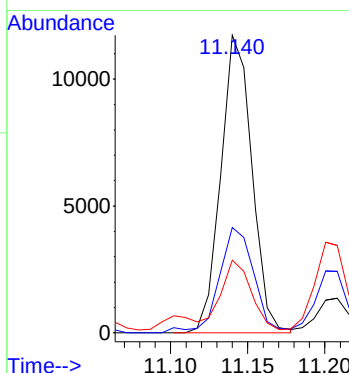
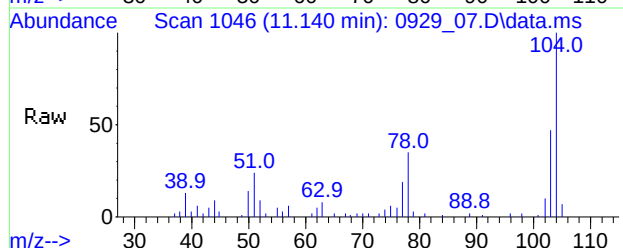
#57
m,p-Xylene
Conc: 8\$ 1.080 ppbv
RT: 10.935 min Scan# 1019
Delta R.T. -0.000 min
Lab File: 0929_07.D
Acq: 29 Sep 2025 5:11 pm

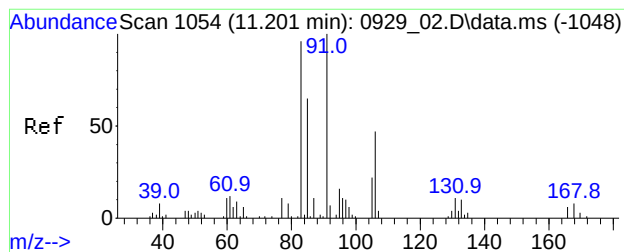
Tgt Ion: 91 Resp: 63512
Ion Ratio Lower Upper
91 100
106 48.8 0.0 0.0#
105 25.4 0.0 0.0#



#59
Styrene
Conc: 8\$ 0.366 ppbv
RT: 11.140 min Scan# 1046
Delta R.T. -0.000 min
Lab File: 0929_07.D
Acq: 29 Sep 2025 5:11 pm

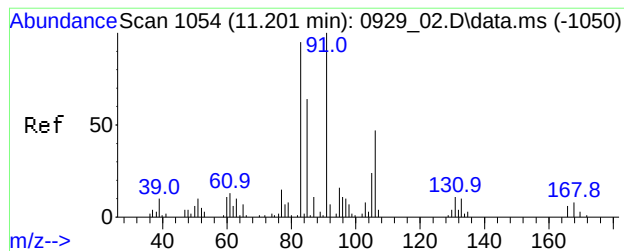
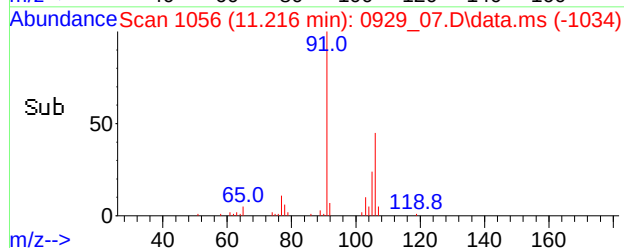
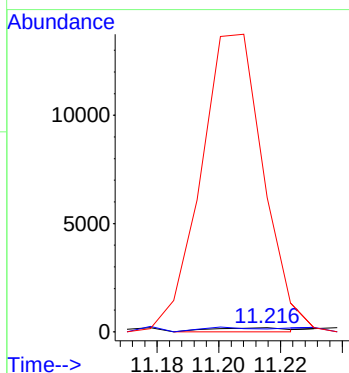
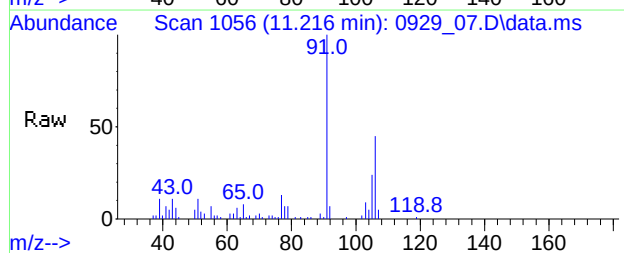
Tgt Ion: 104 Resp: 16440
Ion Ratio Lower Upper
104 100
78 39.5 11.5 17.3#
51 24.1 17.2 25.8





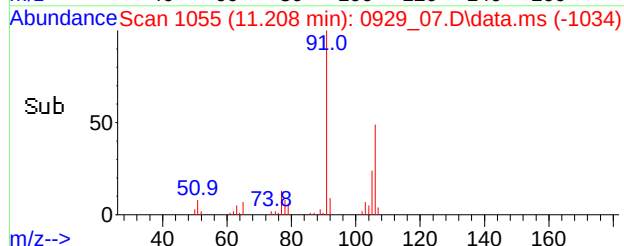
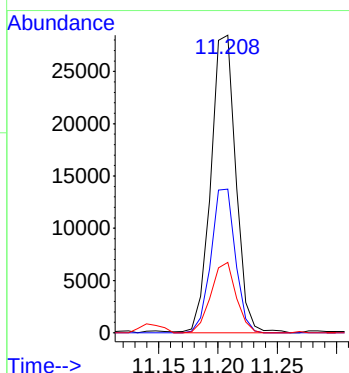
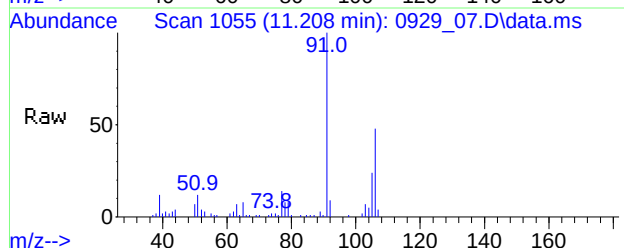
#60
1,1,2,2-Tetrachloroethane
Conc: 8\$ Below Cal
RT: 11.216 min Scan# 1056
Delta R.T. 0.015 min
Lab File: 0929_07.D
Acq: 29 Sep 2025 5:11 pm

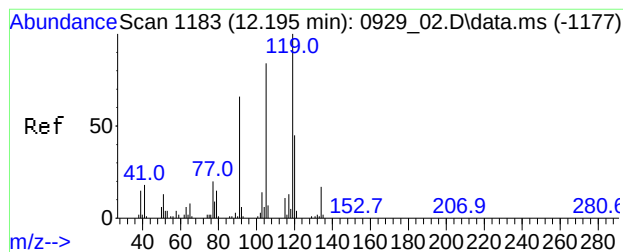
Tgt Ion: 83 Resp: 322
Ion Ratio Lower Upper
83 100
85 88.2 55.7 83.5#
106 6048.1 49.4 74.0#



#61
o-Xylene
Conc: 8\$ 0.672 ppbv
RT: 11.208 min Scan# 1055
Delta R.T. 0.008 min
Lab File: 0929_07.D
Acq: 29 Sep 2025 5:11 pm

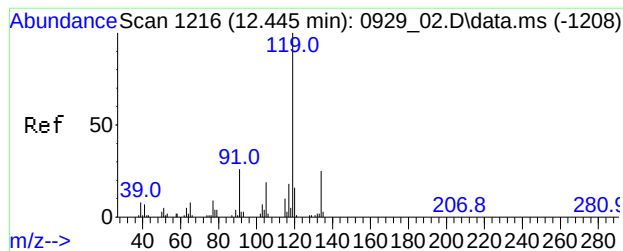
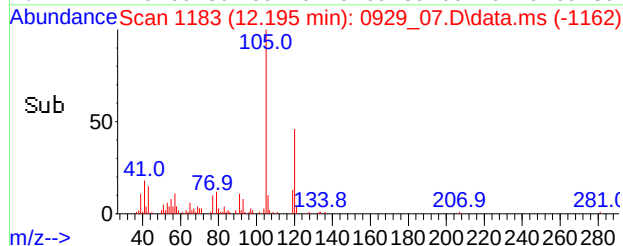
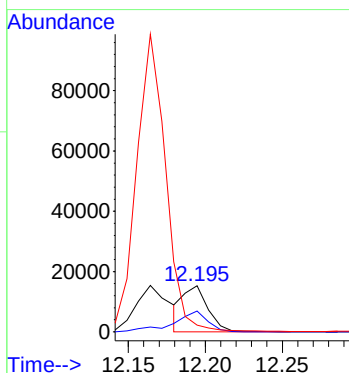
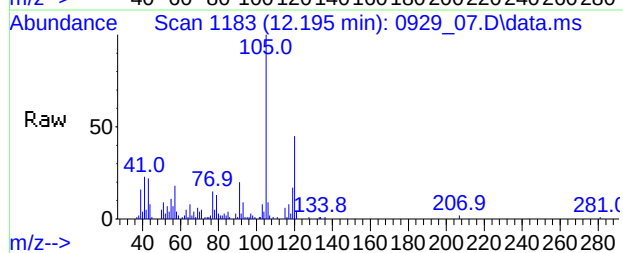
Tgt Ion: 91 Resp: 41412
Ion Ratio Lower Upper
91 100
106 47.0 31.7 47.5
105 24.0 13.4 20.0#





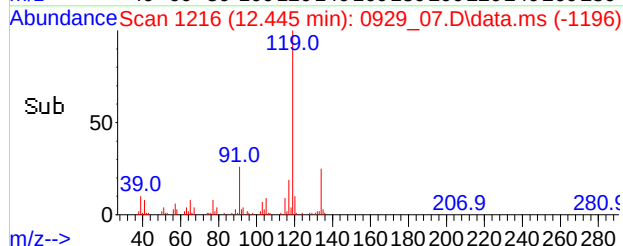
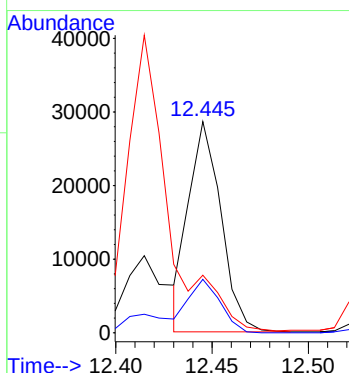
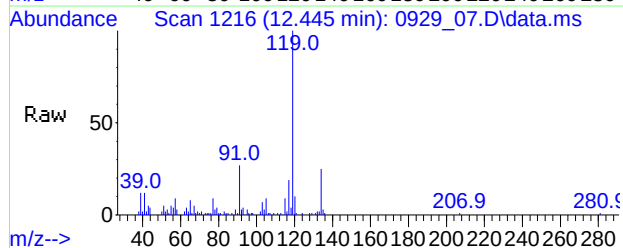
#67
1,2,4-Trimethylbenzene
Conc: 8\$ 0.232 ppbv
RT: 12.195 min Scan# 1183
Delta R.T. 0.008 min
Lab File: 0929_07.D
Acq: 29 Sep 2025 5:11 pm

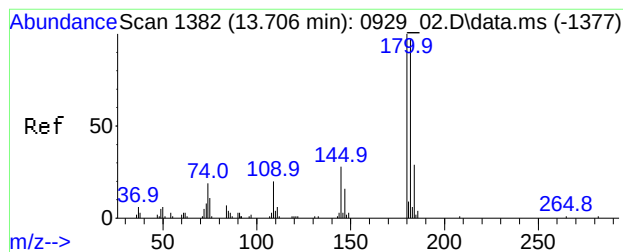
Tgt Ion: 105 Resp: 17411
Ion Ratio Lower Upper
105 100
120 61.1 39.4 59.2#
77 0.0 23.9 35.9#



#72
4-Isopropyltoluene
Conc: 8\$ 0.318 ppbv
RT: 12.445 min Scan# 1216
Delta R.T. -0.000 min
Lab File: 0929_07.D
Acq: 29 Sep 2025 5:11 pm

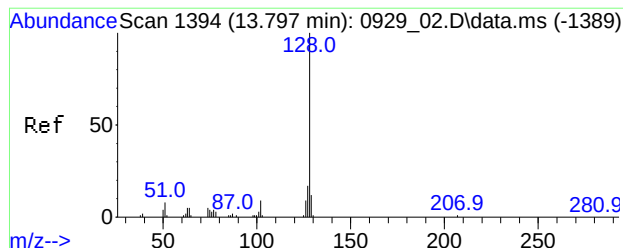
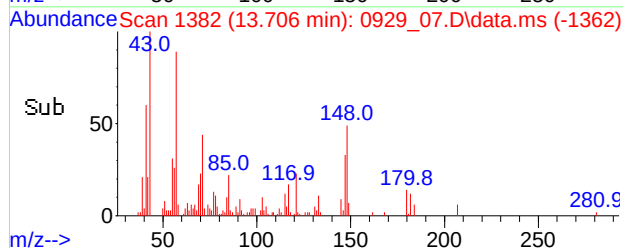
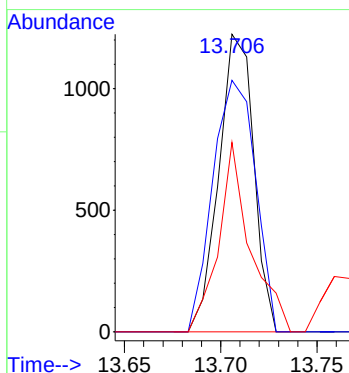
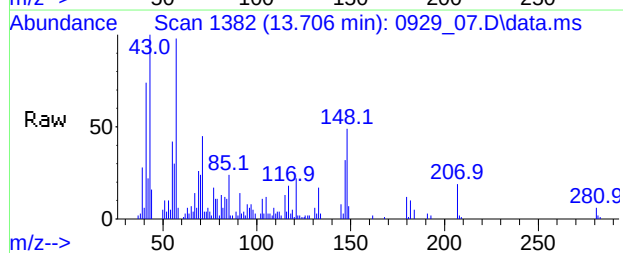
Tgt Ion: 119 Resp: 33412
Ion Ratio Lower Upper
119 100
134 37.9 0.0 0.0#
91 0.0 0.0 0.0





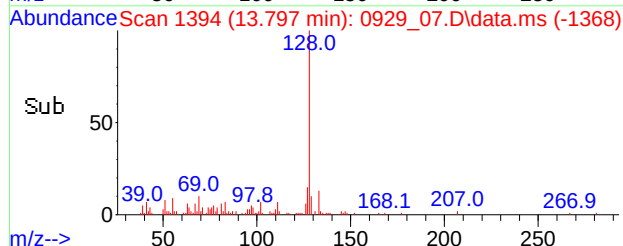
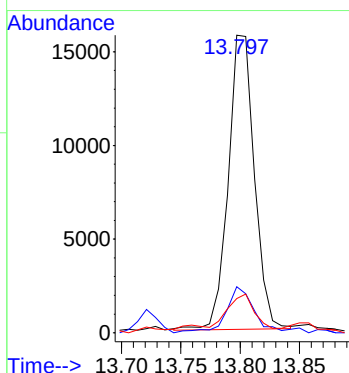
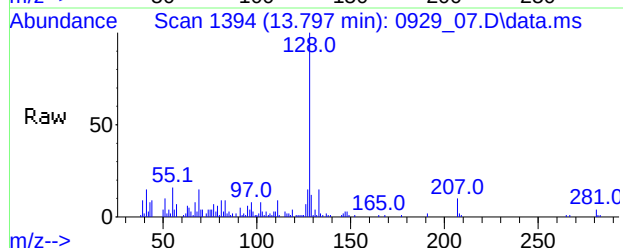
#75
1,2,4-Trichlorobenzene
Conc: 8\$ Below Cal
RT: 13.706 min Scan# 1382
Delta R.T. -0.000 min
Lab File: 0929_07.D
Acq: 29 Sep 2025 5:11 pm

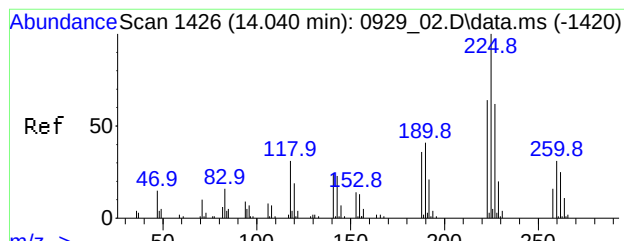
Tgt Ion:180 Resp: 1538
Ion Ratio Lower Upper
180 100
182 103.4 73.8 110.6
145 58.4 26.0 39.0#



#76
Naphthalene
Conc: 8\$ 0.352 ppbv
RT: 13.797 min Scan# 1394
Delta R.T. -0.000 min
Lab File: 0929_07.D
Acq: 29 Sep 2025 5:11 pm

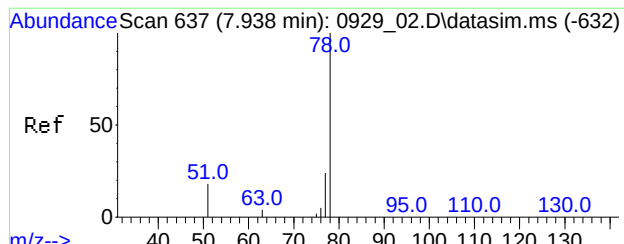
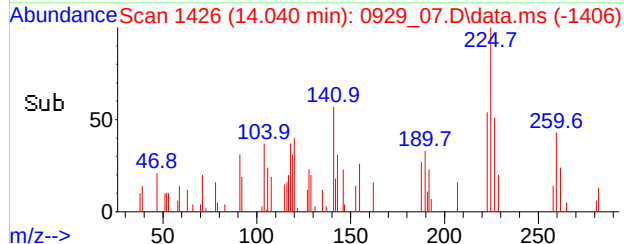
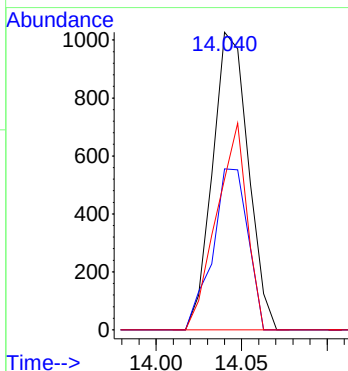
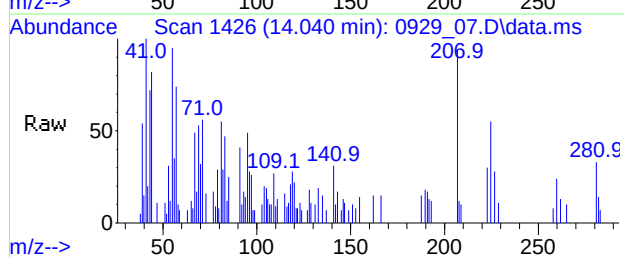
Tgt Ion:128 Resp: 24083
Ion Ratio Lower Upper
128 100
127 17.0 0.0 0.0#
129 14.4 0.1 0.1#





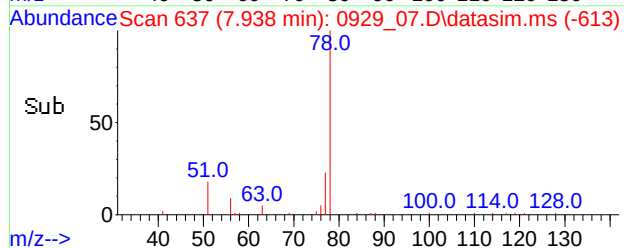
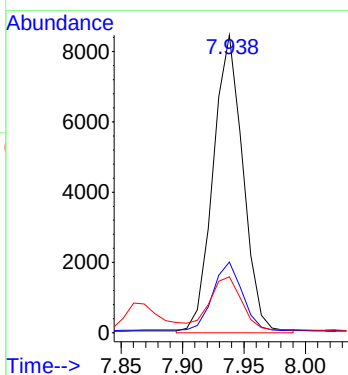
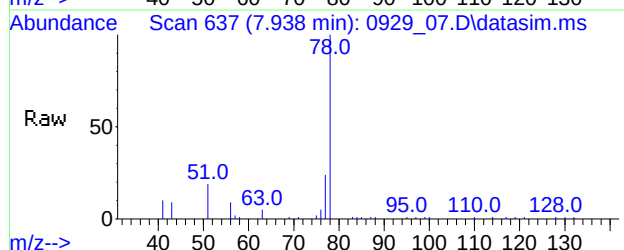
#77
Hexachlorobutadiene
Conc: 8\$ Below Cal
RT: 14.040 min Scan# 1426
Delta R.T. 0.000 min
Lab File: 0929_07.D
Acq: 29 Sep 2025 5:11 pm

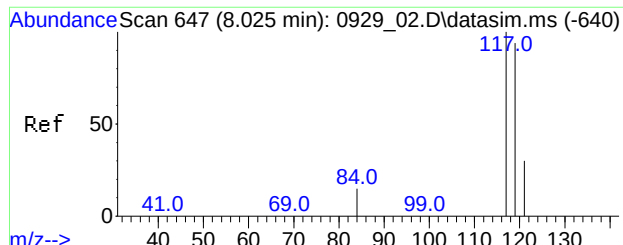
Tgt Ion: 225 Resp: 1493
Ion Ratio Lower Upper
225 100
223 53.2 38.7 90.3
227 59.4 37.6 87.8



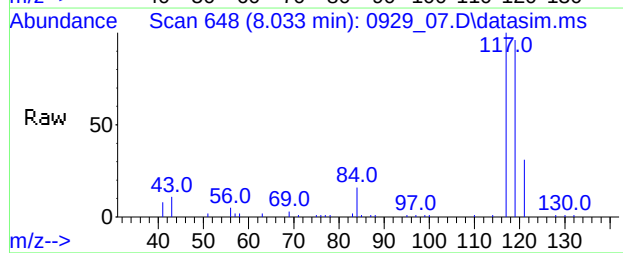
#85
Benzene(sim)
Conc: 8\$ 0.238 ppbv
RT: 7.935 min Scan# 637
Delta R.T. -0.000 min
Lab File: 0929_07.D
Acq: 29 Sep 2025 5:11 pm

Tgt Ion: 78 Resp: 12850
Ion Ratio Lower Upper
78 100
77 24.8 17.4 26.0
51 19.2 15.8 23.6

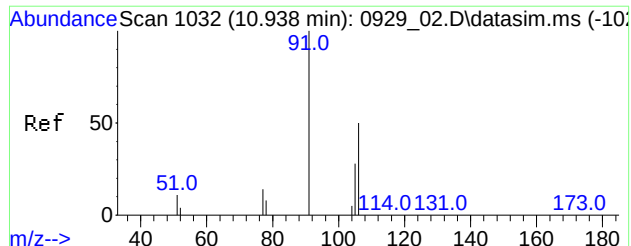
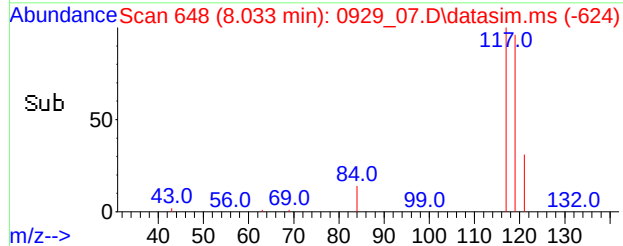
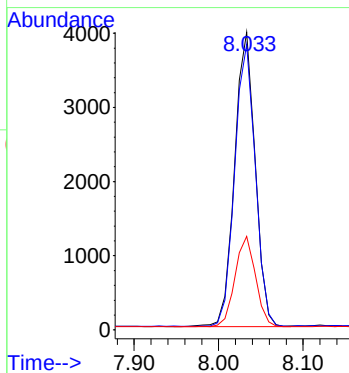




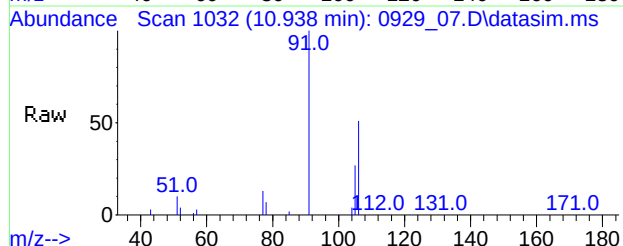
#86
Carbon Tetrachloride(sim)
Conc: 8\$ 0.116 ppbv
RT: 8.033 min Scan# 648
Delta R.T. 0.009 min
Lab File: 0929_07.D
Acq: 29 Sep 2025 5:11 pm



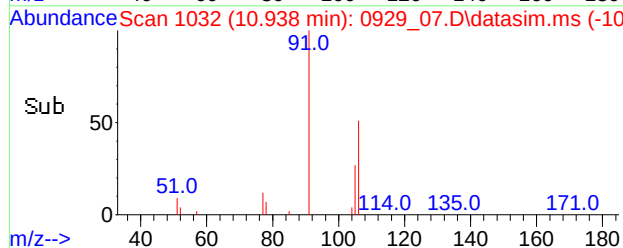
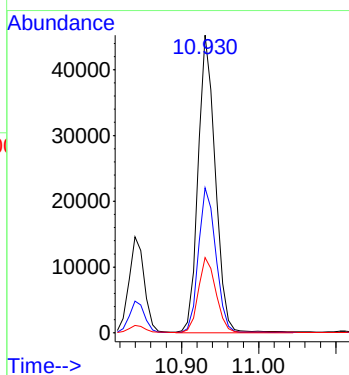
Tgt Ion: 117 Resp: 6705
Ion Ratio Lower Upper
117 100
119 95.7 76.6 115.0
121 30.7 24.2 36.4

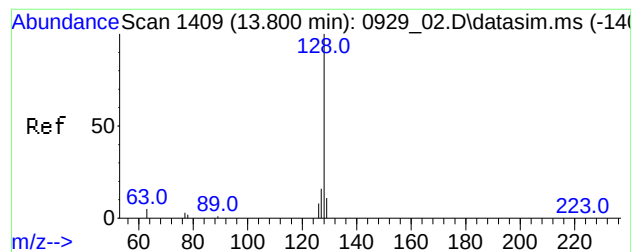


#105
m,p-Xylene(sim)
Conc: 8\$ 1.011 ppbv
RT: 10.935 min Scan# 1032
Delta R.T. -0.000 min
Lab File: 0929_07.D
Acq: 29 Sep 2025 5:11 pm



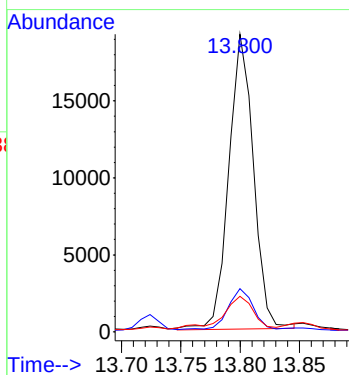
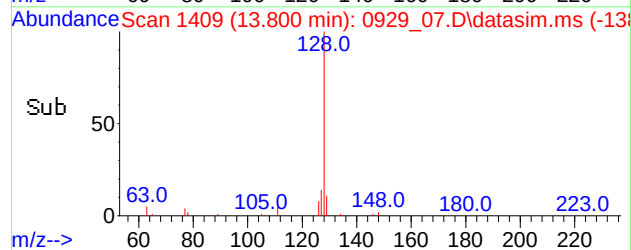
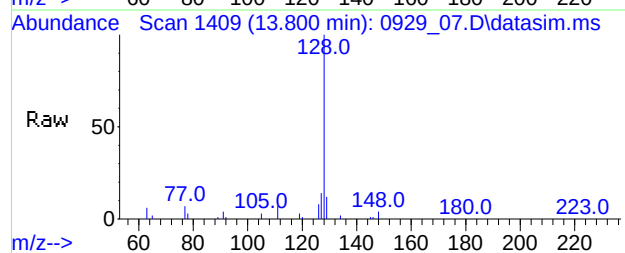
Tgt Ion: 91 Resp: 63911
Ion Ratio Lower Upper
91 100
106 48.5 39.6 48.4#
105 25.3 16.6 24.8#





#115
Naphthalene(sim)
Conc: 8\$ 0.395 ppbv
RT: 13.797 min Scan# 1409
Delta R.T. -0.000 min
Lab File: 0929_07.D
Acq: 29 Sep 2025 5:11 pm

Tgt Ion: 128 Resp: 24083
Ion Ratio Lower Upper
128 100
127 17.0 0.0 0.0#
129 14.4 0.0 0.0#



1
AIR ANALYSIS DATA SHEET

CLIENT ID

CU36389 BLANK

Client:	FPMGROUP	Lab:	Phoenix Env. Labs
SDG No.:	GCU37304	Lab Sample ID:	CU36389 BL
Canister:	BL	Lab File ID:	0929_05.D
Instrument:	CHEM20	Column:	RTX-1 60M
Purge Volume	200	(cc)	09/29/25
Matrix:	AIR	Dilution Factor:	1

CONCENTRATION UNITS: (ppbv or ug/m3) ppbv

CAS NO.	COMPOUND	CONC.	Q	MDL	PQL	R
115-07-1	Propylene	0.581	U	0.581	0.581	r
75-71-8	Dichlorodifluoromethane	0.202	U	0.202	0.202	r
74-87-3	Chloromethane	0.485	U	0.485	0.485	r
106-99-0	1,3-Butadiene	0.452	U	0.452	0.452	r
75-00-3	Chloroethane	0.379	U	0.379	0.379	r
64-17-5	Ethanol	0.531	U	0.531	0.531	r
67-64-1	Acetone	0.421	U	0.421	0.421	r
67-63-0	Isopropylalcohol	0.407	U	0.407	0.407	r
107-13-1	Acrylonitrile	0.461	U	0.461	0.461	r
75-09-2	Methylene Chloride	0.863	U	0.863	0.863	r
75-15-0	Carbon Disulfide	0.321	U	0.321	0.321	r
1634-04-4	Methyl tert-butyl ether(MTBE)	0.278	U	0.278	0.278	r
78-93-3	Methyl Ethyl Ketone	0.339	U	0.339	0.339	r
110-54-3	Hexane	0.284	U	0.284	0.284	r
141-78-6	Ethyl acetate	0.278	U	0.278	0.278	r
109-99-9	Tetrahydrofuran	0.339	U	0.339	0.339	r
110-82-7	Cyclohexane	0.291	U	0.291	0.291	r
540-84-1	2,2,4-trimethylpentane	0.215	U	0.215	0.215	r
142-82-5	Heptane	0.244	U	0.244	0.244	r
108-10-1	4-Methyl-2-pentanone(MIBK)	0.244	U	0.244	0.244	r
10061-02-6	trans-1,3-Dichloropropene	0.220	U	0.220	0.220	r
108-88-3	Toluene	0.266	U	0.266	0.266	r
591-78-6	2-Hexanone(MBK)	0.244	U	0.244	0.244	r
630-20-6	1,1,1,2-Tetrachloroethane	0.146	U	0.146	0.146	r
108-90-7	Chlorobenzene	0.217	U	0.217	0.217	r
100-41-4	Ethylbenzene	0.230	U	0.230	0.230	r
100-42-5	Styrene	0.235	U	0.235	0.235	r
95-47-6	o-Xylene	0.230	U	0.230	0.230	r
98-82-8	Isopropylbenzene	0.204	U	0.204	0.204	r
622-96-8	4-Ethyltoluene	0.204	U	0.204	0.204	r
108-67-8	1,3,5-Trimethylbenzene	0.204	U	0.204	0.204	r
95-63-6	1,2,4-Trimethylbenzene	0.204	U	0.204	0.204	r
91-20-3	Naphthalene	0.200	U	0.200	0.200	r
76-14-2	1,2-Dichlorotetrafluoroethane(sim)	0.143	U	0.143	0.143	r
75-01-4	Vinyl Chloride(sim)	0.078	U	0.078	0.078	r
74-83-9	Bromomethane(sim)	0.258	U	0.258	0.258	r

FORM I AIR

r=Result Reported U=Not Detected D=Reported Dilution E/J=Estimated Value X=Not Used S=Lab Solvent

1
AIR ANALYSIS DATA SHEET

CLIENT ID

CU36389 BLANK

Client:	FPMGROUP	Lab:	Phoenix Env. Labs
SDG No.:	GCU37304	Lab Sample ID:	CU36389 BL
Canister:	BL	Lab File ID:	0929_05.D
Instrument:	CHEM20	Column:	RTX-1 60M
Purge Volume	200	(cc)	09/29/25
Matrix:	AIR	Dilution Factor:	1

CONCENTRATION UNITS: (ppbv or ug/m3) ppbv

CAS NO.	COMPOUND	CONC.	Q	MDL	PQL	R
75-69-4	Trichlorofluoromethane(sim)	0.178	U	0.178	0.178	r
107-06-2	1,2-Dichloroethane(sim)	0.247	U	0.247	0.247	r
71-55-6	1,1,1-Trichloroethane(sim)	0.183	U	0.183	0.183	r
71-43-2	Benzene(sim)	0.313	U	0.313	0.313	r
56-23-5	Carbon Tetrachloride(sim)	0.032	U	0.032	0.032	r
75-35-4	1,1-Dichloroethene(sim)	0.051	U	0.051	0.051	r
76-13-1	Trichlorotrifluoroethane(sim)	0.131	U	0.131	0.131	r
156-60-5	Trans-1,2-Dichloroethene(sim)	0.252	U	0.252	0.252	r
75-34-3	1,1-Dichloroethane(sim)	0.247	U	0.247	0.247	r
156-59-2	Cis-1,2-Dichloroethene(sim)	0.051	U	0.051	0.051	r
67-66-3	Chloroform(sim)	0.205	U	0.205	0.205	r
78-87-5	1,2-dichloropropane(sim)	0.217	U	0.217	0.217	r
75-27-4	Bromodichloromethane(sim)	0.149	U	0.149	0.149	r
79-01-6	Trichloroethene(sim)	0.037	U	0.037	0.037	r
123-91-1	1,4-Dioxane(sim)	0.278	U	0.278	0.278	r
10061-01-5	cis-1,3-Dichloropropene(sim)	0.220	U	0.220	0.220	r
79-00-5	1,1,2-Trichloroethane(sim)	0.183	U	0.183	0.183	r
124-48-1	Dibromochloromethane(sim)	0.117	U	0.117	0.117	r
106-93-4	1,2-Dibromoethane(EDB)(sim)	0.130	U	0.130	0.130	r
127-18-4	Tetrachloroethene(sim)	0.037	U	0.037	0.037	r
75-25-2	Bromoform(sim)	0.097	U	0.097	0.097	r
179601-23-1	m,p-Xylene(sim)	0.230	U	0.230	0.230	r
79-34-5	1,1,2,2-Tetrachloroethane(sim)	0.146	U	0.146	0.146	r
100-44-7	Benzyl chloride(sim)	0.193	U	0.193	0.193	r
541-73-1	1,3-Dichlorobenzene(sim)	0.166	U	0.166	0.166	r
106-46-7	1,4-Dichlorobenzene(sim)	0.166	U	0.166	0.166	r
135-98-8	sec-Butylbenzene(sim)	0.182	U	0.182	0.182	r
99-87-6	4-Isopropyltoluene(sim)	0.182	U	0.182	0.182	r
95-50-1	1,2-Dichlorobenzene(sim)	0.166	U	0.166	0.166	r
104-51-8	n-Butylbenzene(sim)	0.182	U	0.182	0.182	r
120-82-1	1,2,4-Trichlorobenzene(sim)	0.135	U	0.135	0.135	r
87-68-3	Hexachlorobutadiene(sim)	0.094	U	0.094	0.094	r

FORM I AIR

r=Result Reported U=Not Detected D=Reported Dilution E/J=Estimated Value X=Not Used S=Lab Solvent

Data Path : H:\AIR2025\CHEM20\09SEP\29\
 Data File : 0929_05.D
 Acq On : 29 Sep 2025 3:53 pm
 Operator :
 Client ID : CU36389 BLANK
 Lab ID : CU36389 BLANK
 ALS Vial : 1 Sample Multiplier: 1

Quant Time: Sep 30 08:48:44 2025
 Quant Method : H:\AIR2025\CHEM20\Methods\20_AIR_0909.M
 Quant Title : VOA Standards for 5 point calibration
 QLast Update : Wed Sep 10 12:52:46 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

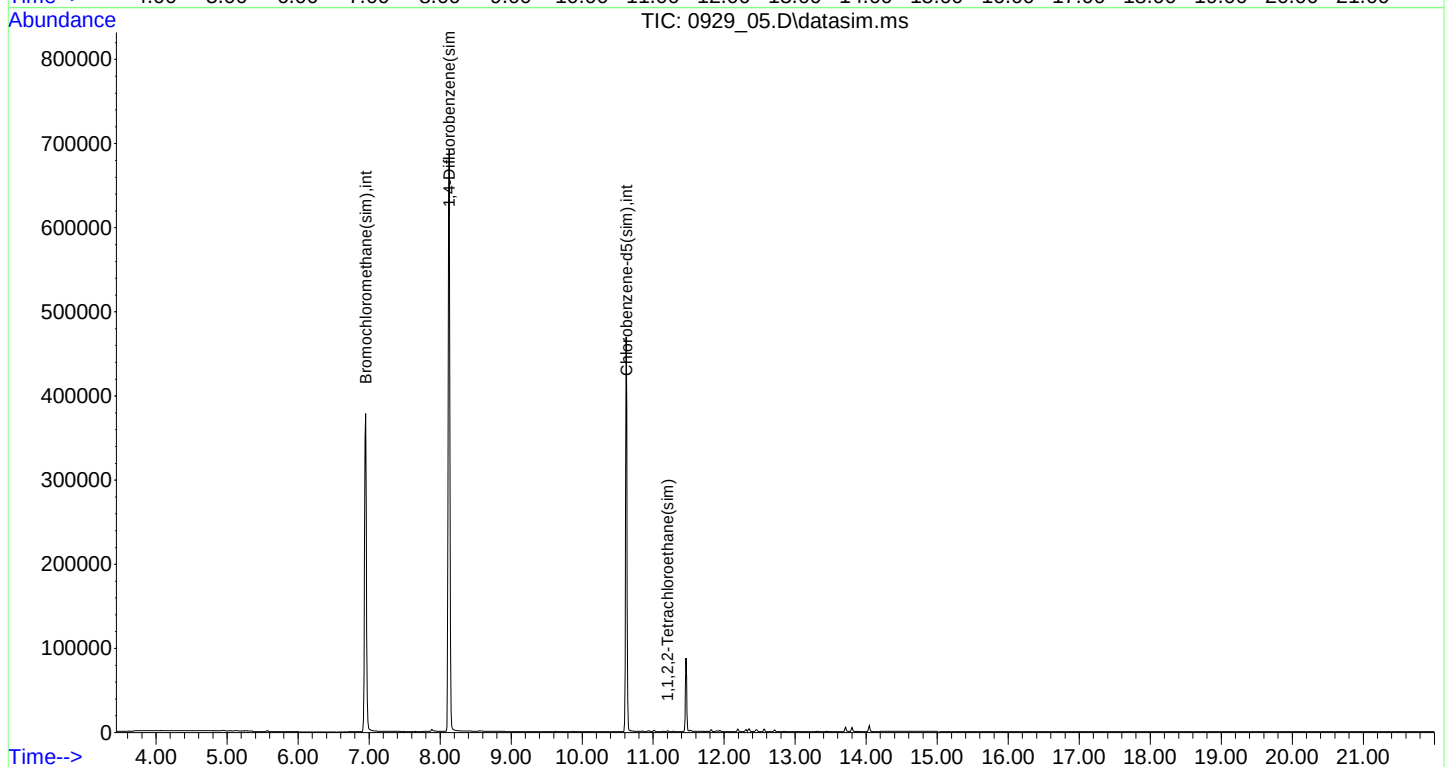
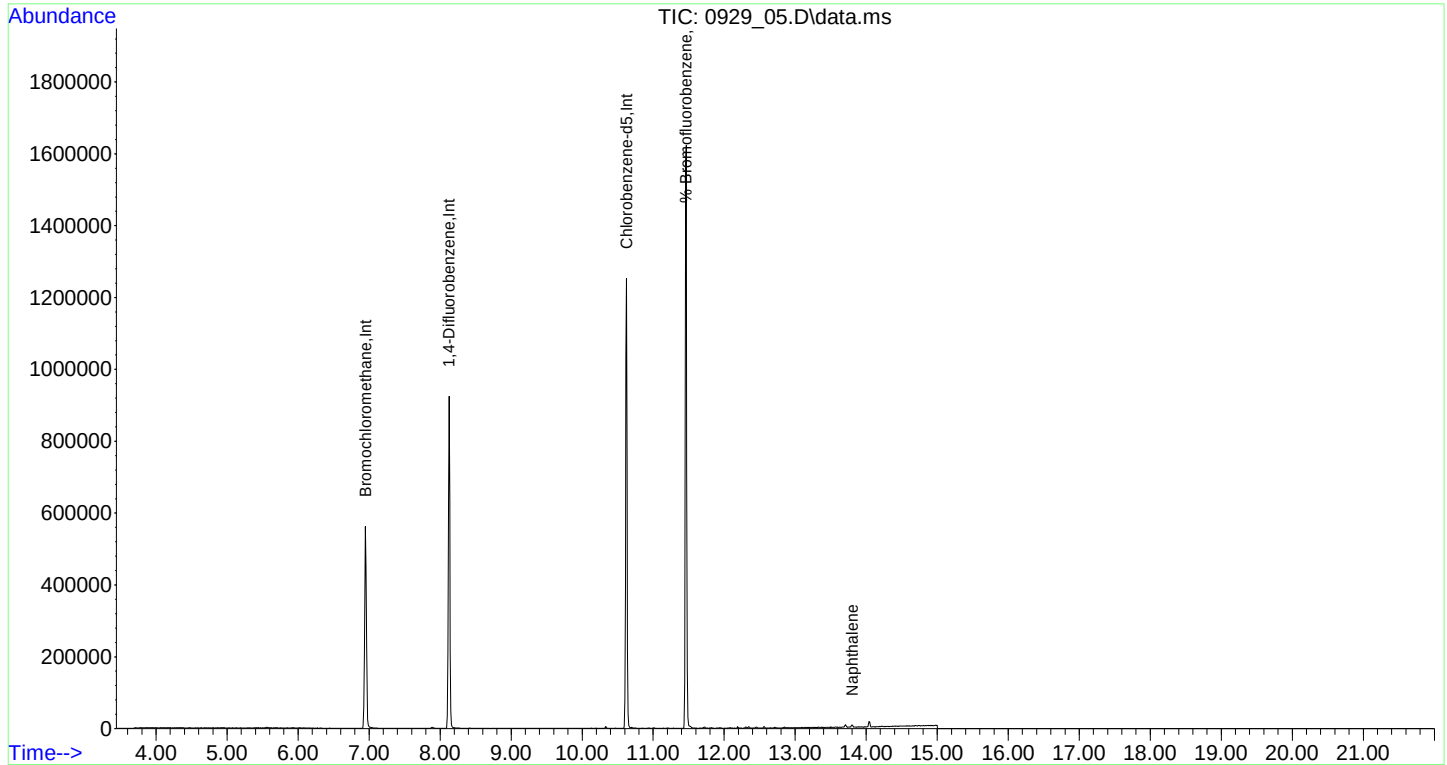
Internal Standards						
1) Bromochloromethane	6.949	130	183838	10.000	ng	0.00
36) 1,4-Difluorobenzene	8.126	114	615073	10.000	ng	0.00
53) Chlorobenzene-d5	10.624	82	295339	10.000	ng	0.00
78) Bromochloromethane(sim)	6.952	130	206202	10.000	ng	# 0.00
93) 1,4-Difluorobenzene(sim)	8.126	114	615073	10.000	ng	0.00
103) Chlorobenzene-d5(sim)	10.624	82	295339	10.000	ng	0.00
System Monitoring Compounds						
62) % Bromofluorobenzene	11.458	95	403202	10.348	ppbv	0.00
Spiked Amount	10.000	Range 70 - 130	Recovery	=	103.50%	

Target Compounds	Qvalue

(#)out of range (m>manual integration reviewed by analyst (+)signals summed

Data Path : H:\AIR2025\CHEM20\09SEP\29\
Data File : 0929_05.D
Acq On : 29 Sep 2025 3:53 pm
Operator :
Client ID : CU36389 BLANK
Lab ID : CU36389 BLANK
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Sep 30 08:48:44 2025
Quant Method : H:\AIR2025\CHEM20\Methods\20_AIR_0909.M
Quant Title : VOA Standards for 5 point calibration
QLast Update : Wed Sep 10 12:52:46 2025
Response via : Initial Calibration



1
AIR ANALYSIS DATA SHEET

CLIENT ID

CU36389 DUP 0.5 X

Client:	FPMGROUP	Lab:	Phoenix Env. Labs
SDG No.:	GCU37304	Lab Sample ID:	CU36389 DUP 0.5X
Canister:	9544	Lab File ID:	0929_08.D
Instrument:	CHEM20	Column:	RTX-1 60M
Date Received:	09/29/25		
Purge Volume	200	(cc)	09/29/25
Date Analyzed:	09/29/25		
Matrix:	AIR	Dilution Factor:	0.5

CONCENTRATION UNITS: (ppbv or ug/m3) ppbv

CAS NO.	COMPOUND	CONC.	Q	MDL	PQL	R
115-07-1	Propylene	0.250	U	0.250	0.250	r
75-71-8	Dichlorodifluoromethane	0.301		0.250	0.250	r
74-87-3	Chloromethane	0.551		0.250	0.250	r
106-99-0	1,3-Butadiene	0.100	U	0.100	0.100	r
75-00-3	Chloroethane	0.250	U	0.250	0.250	r
64-17-5	Ethanol	17.7	S	0.375	0.375	r
67-64-1	Acetone	15.1	S	0.375	0.375	r
75-69-4	Trichlorofluoromethane	0.250	U	0.250	0.250	r
67-63-0	Isopropylalcohol	1.10	S	0.375	0.375	r
107-13-1	Acrylonitrile	0.100	U	0.100	0.100	r
75-09-2	Methylene Chloride	1.50	U	1.50	1.50	r
75-15-0	Carbon Disulfide	0.588		0.250	0.250	r
1634-04-4	Methyl tert-butyl ether(MTBE)	0.250	U	0.250	0.250	r
78-93-3	Methyl Ethyl Ketone	0.552		0.225	0.225	r
110-54-3	Hexane	0.236	S	0.225	0.225	r
141-78-6	Ethyl acetate	0.250	U	0.250	0.250	r
109-99-9	Tetrahydrofuran	0.250	U	0.250	0.250	r
71-43-2	Benzene	0.125		0.100	0.100	r
110-82-7	Cyclohexane	2.21		0.250	0.250	r
540-84-1	2,2,4-trimethylpentane		U			r
142-82-5	Heptane	0.250	U	0.250	0.250	r
108-10-1	4-Methyl-2-pentanone(MIBK)	0.903		0.250	0.250	r
10061-02-6	trans-1,3-Dichloropropene	0.250	U	0.250	0.250	r
108-88-3	Toluene	0.631		0.250	0.250	r
591-78-6	2-Hexanone(MBK)	0.250	U	0.250	0.250	r
630-20-6	1,1,1,2-Tetrachloroethane	0.025	U	0.025	0.025	r
108-90-7	Chlorobenzene	0.100	U	0.100	0.100	r
100-41-4	Ethylbenzene	0.250	U	0.250	0.250	r
179601-23-1	m,p-Xylene	0.537		0.500	0.500	r
100-42-5	Styrene	0.166		0.100	0.100	r
95-47-6	o-Xylene	0.344		0.250	0.250	r
98-82-8	Isopropylbenzene	0.250	U	0.250	0.250	r
622-96-8	4-Ethyltoluene	0.250	U	0.250	0.250	r
108-67-8	1,3,5-Trimethylbenzene	0.250	U	0.250	0.250	r
95-63-6	1,2,4-Trimethylbenzene	0.250	U	0.250	0.250	r
99-87-6	4-Isopropyltoluene	0.250	U	0.250	0.250	r

FORM I AIR

r=Result Reported U=Not Detected D=Reported Dilution E/J=Estimated Value X=Not Used S=Lab Solvent

1
AIR ANALYSIS DATA SHEET

CLIENT ID

CU36389 DUP 0.5 X

Client:	FPMGROUP	Lab:	Phoenix Env. Labs
SDG No.:	GCU37304	Lab Sample ID:	CU36389 DUP 0.5X
Canister:	9544	Lab File ID:	0929_08.D
Instrument:	CHEM20	Column:	RTX-1 60M
Date Received:	09/29/25		
Purge Volume	200	(cc)	09/29/25
Date Analyzed:	09/29/25		
Matrix:	AIR	Dilution Factor:	0.5

CONCENTRATION UNITS: (ppbv or ug/m3) ppbv

CAS NO.	COMPOUND	CONC.	Q	MDL	PQL	R
91-20-3	Naphthalene	0.174		0.055	0.050	r
76-14-2	1,2-Dichlorotetrafluoroethane(sim)	0.250	U	0.250	0.250	r
75-01-4	Vinyl Chloride(sim)	0.010	U	0.010	0.010	r
74-83-9	Bromomethane(sim)	0.070	U	0.070	0.070	r
107-06-2	1,2-Dichloroethane(sim)	0.010	U	0.010	0.010	r
71-55-6	1,1,1-Trichloroethane(sim)	0.250	U	0.250	0.250	r
56-23-5	Carbon Tetrachloride(sim)	0.059		0.043	0.043	r
75-35-4	1,1-Dichloroethene(sim)	0.010	U	0.010	0.010	r
76-13-1	Trichlorotrifluoroethane(sim)	0.250	U	0.250	0.250	r
156-60-5	Trans-1,2-Dichloroethene(sim)	0.100	U	0.100	0.100	r
75-34-3	1,1-Dichloroethane(sim)	0.075	U	0.075	0.075	r
156-59-2	Cis-1,2-Dichloroethene(sim)	0.100	U	0.100	0.100	r
67-66-3	Chloroform(sim)	0.100	U	0.100	0.100	r
78-87-5	1,2-dichloropropane(sim)	0.010	U	0.010	0.010	r
75-27-4	Bromodichloromethane(sim)	0.010	U	0.010	0.010	r
79-01-6	Trichloroethene(sim)	0.025	U	0.025	0.025	r
123-91-1	1,4-Dioxane(sim)	0.025	U	0.025	0.025	r
10061-01-5	cis-1,3-Dichloropropene(sim)	0.050	U	0.050	0.050	r
79-00-5	1,1,2-Trichloroethane(sim)	0.010	U	0.010	0.010	r
124-48-1	Dibromochloromethane(sim)	0.010	U	0.010	0.010	r
106-93-4	1,2-Dibromoethane(EDB)(sim)	0.005	U	0.005	0.005	r
127-18-4	Tetrachloroethene(sim)	0.050	U	0.050	0.050	r
75-25-2	Bromoform(sim)	0.025	U	0.025	0.025	r
79-34-5	1,1,2,2-Tetrachloroethane(sim)	0.005	U	0.005	0.005	r
100-44-7	Benzyl chloride(sim)	0.100	U	0.100	0.100	r
541-73-1	1,3-Dichlorobenzene(sim)	0.050	U	0.050	0.050	r
106-46-7	1,4-Dichlorobenzene(sim)	0.040	U	0.040	0.040	r
135-98-8	sec-Butylbenzene(sim)	0.250	U	0.250	0.250	r
95-50-1	1,2-Dichlorobenzene(sim)	0.050	U	0.050	0.050	r
104-51-8	n-Butylbenzene(sim)	0.250	U	0.250	0.250	r
120-82-1	1,2,4-Trichlorobenzene(sim)	0.010	U	0.010	0.010	r
87-68-3	Hexachlorobutadiene(sim)	0.010	U	0.010	0.010	r

FORM I AIR

r=Result Reported U=Not Detected D=Reported Dilution E/J=Estimated Value X=Not Used S=Lab Solvent

Data Path : H:\AIR2025\CHEM20\09SEP\29\
 Data File : 0929_08.D
 Acq On : 29 Sep 2025 5:57 pm
 Operator :
 Client ID : CU36389 DUP 0.5 X
 Lab ID : CU36389 DUP 0.5 X
 ALS Vial : 4 Sample Multiplier: 1

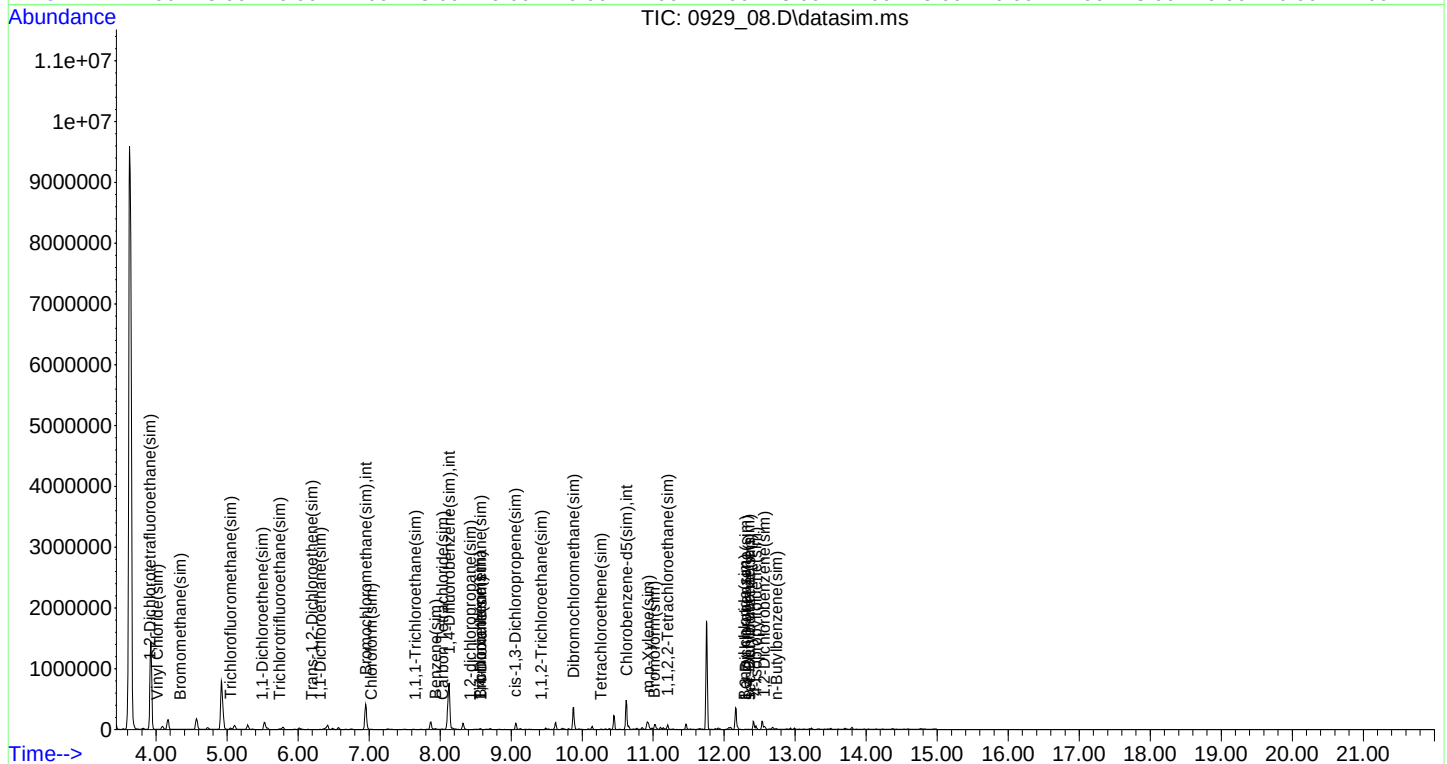
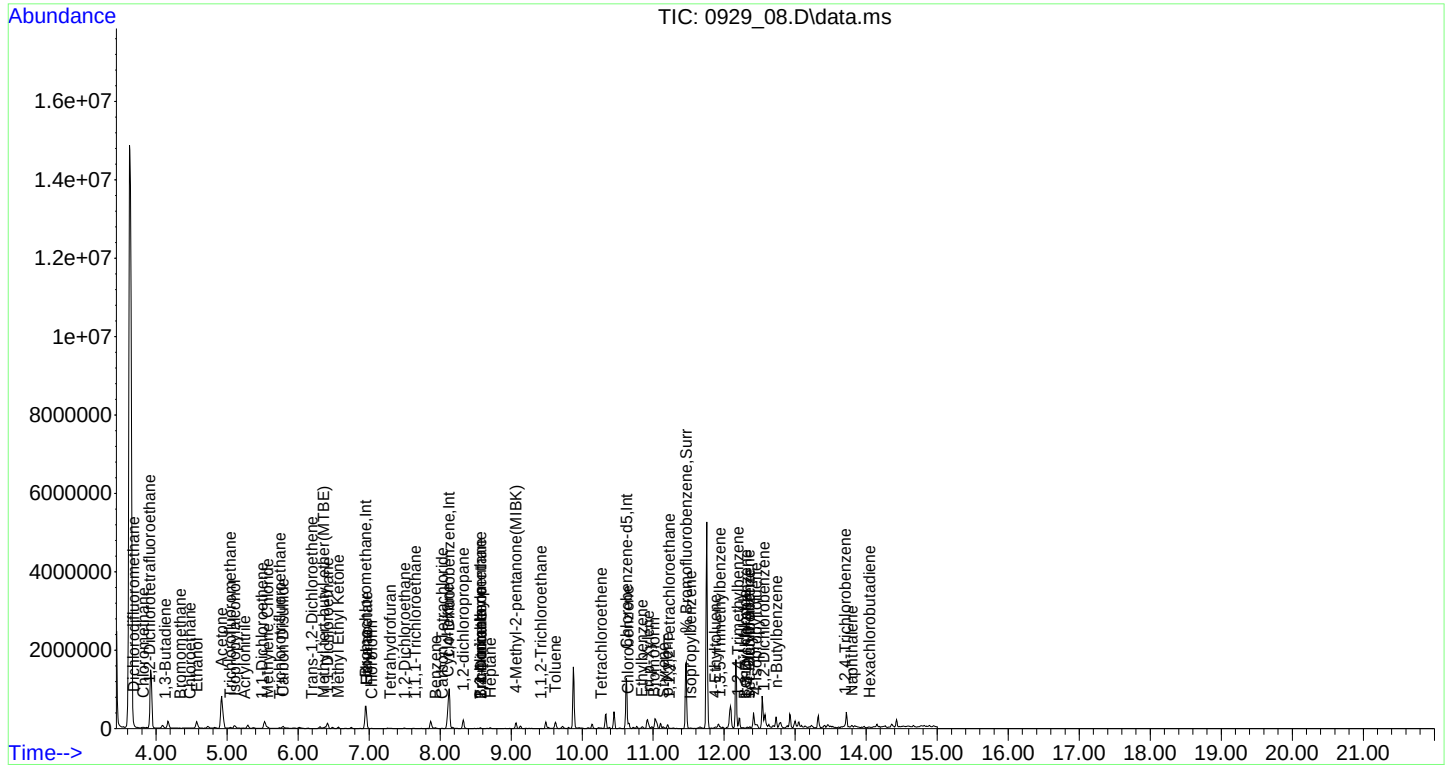
Quant Time: Sep 30 08:50:31 2025
 Quant Method : H:\AIR2025\CHEM20\Methods\20_AIR_0909.M
 Quant Title : VOA Standards for 5 point calibration
 QLast Update : Wed Sep 10 12:52:46 2025
 Response via : Initial Calibration

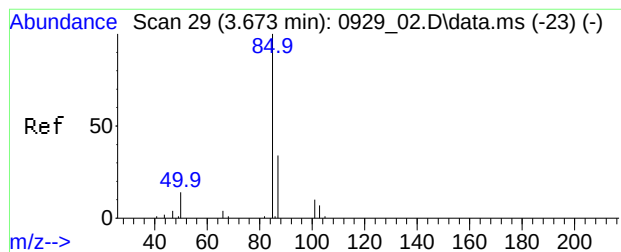
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	6.949	130	180492	10.000	ng	0.00
36) 1,4-Difluorobenzene	8.126	114	648382	10.000	ng	0.00
53) Chlorobenzene-d5	10.624	82	309991	10.000	ng	0.00
78) Bromochloromethane(sim)	6.952	130	203552	10.000	ng	# 0.00
93) 1,4-Difluorobenzene(sim)	8.126	114	648385	10.000	ng	0.00
103) Chlorobenzene-d5(sim)	10.624	82	309991	10.000	ng	0.00
System Monitoring Compounds						
62) % Bromofluorobenzene	11.466	95	422480	10.330	ppbv	0.00
Spiked Amount	10.000	Range	70 - 130	Recovery	=	103.30%
Target Compounds						
					Qvalue	
3) Dichlorodifluoromethane	3.681	85	29943	0.602	ppbv	100
4) Chloromethane	3.819	50	18185	1.101	ppbv	93
11) Ethanol	4.574	45	197712	35.364	ppbv#	42
12) Acetone	4.922	43	1008811	30.269	ppbv#	81
13) Trichlorofluoromethane	5.044	101	18384	0.364	ppbv#	94
14) Isopropylalcohol	5.109	45	74019	2.198	ppbv#	94
17) Methylene Chloride	5.569	49	16719	0.702	ppbv	97
20) Carbon Disulfide	5.789	76	52490	1.175	ppbv	97
25) Methyl Ethyl Ketone	6.568	43	42339	1.103	ppbv#	92
27) Hexane	6.964	57	11293	0.472	ppbv#	71
29) Ethyl acetate	6.964	61	2312	0.415	ppbv#	80
34) Carbon Tetrachloride	8.030	117	6257	0.137	ppbv	96
35) Cyclohexane	8.108	84	88787	4.412	ppbv	91
39) Trichloroethene	8.567	130	1151	0.043	ppbv#	76
45) 4-Methyl-2-pentanone(M...)	9.068	43	87482	1.806	ppbv#	91
48) Toluene	9.624	91	83059	1.262	ppbv	98
52) Tetrachloroethene	10.271	166	2559	0.056	ppbv#	83
56) Ethylbenzene	10.844	91	17631	0.230	ppbv	89
57) m, p-Xylene	10.928	91	63194	1.074	ppbv	100
59) Styrene	11.140	104	14881	0.331	ppbv#	64
61) o-Xylene	11.201	91	42363	0.687	ppbv#	89
67) 1,2,4-Trimethylbenzene	12.195	105	17486	0.233	ppbv#	69
72) 4-Isopropyltoluene	12.445	119	36461	0.347	ppbv	100
76) Naphthalene	13.797	128	23848	0.348	ppbv#	92
85] Benzene(sim)	7.935	78	12476	0.231	ppbv	96
86] Carbon Tetrachloride(sim)	8.033	117	6732	0.117	ppbv	100
105] m, p-Xylene(sim)	10.928	91	63194	0.999	ppbv#	92

(#)out of range (m)manual integration reviewed by analyst (+)signals summed

Data Path : H:\AIR2025\CHEM20\09SEP\29\
Data File : 0929_08.D
Acq On : 29 Sep 2025 5:57 pm
Operator :
Client ID : CU36389 DUP 0.5 X
Lab ID : CU36389 DUP 0.5 X
ALS Vial : 4 Sample Multiplier: 1

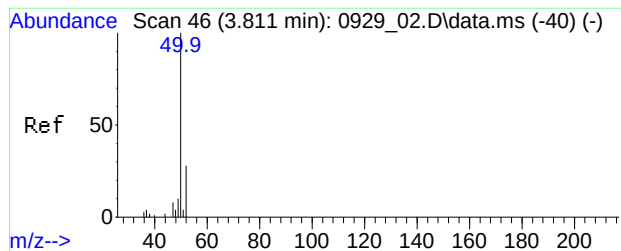
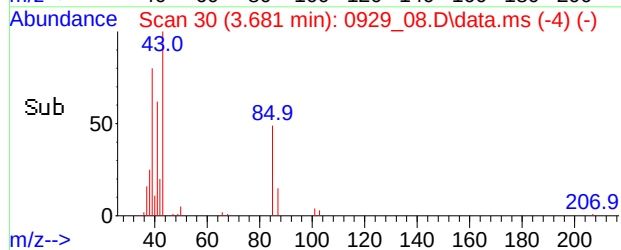
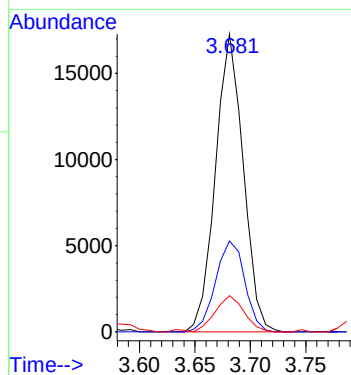
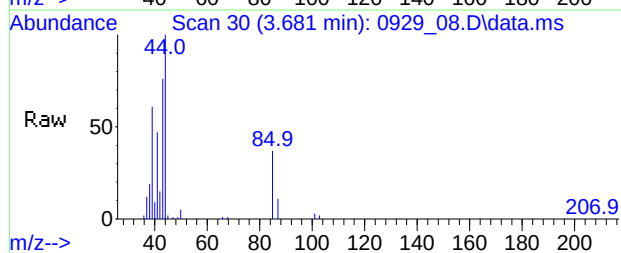
Quant Time: Sep 30 08:50:31 2025
Quant Method : H:\AIR2025\CHEM20\Methods\20_AIR_0909.M
Quant Title : VOA Standards for 5 point calibration
Qlast Update : Wed Sep 10 12:52:46 2025
Response via : Initial Calibration





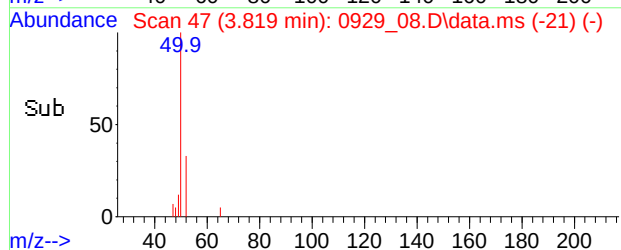
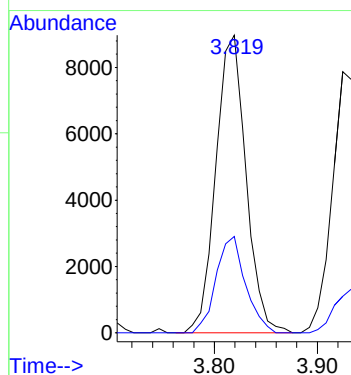
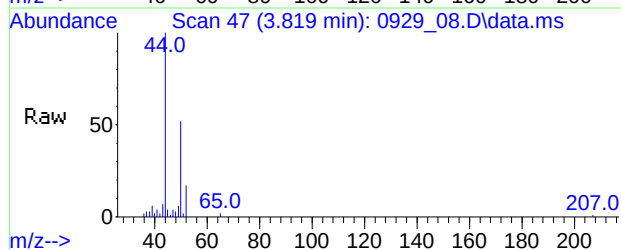
#3
Dichlorodifluoromethane
Conc: 8\$ 0.602 ppbv
RT: 3.681 min Scan# 30
Delta R.T. 0.008 min
Lab File: 0929_08.D
Acq: 29 Sep 2025 5:57 pm

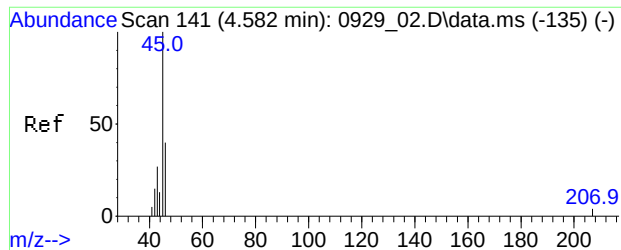
Tgt Ion: 85 Resp: 29943
Ion Ratio Lower Upper
85 100
87 32.1 25.8 38.8
50 13.0 10.6 15.8



#4
Chloromethane
Conc: 8\$ 1.101 ppbv
RT: 3.819 min Scan# 47
Delta R.T. 0.008 min
Lab File: 0929_08.D
Acq: 29 Sep 2025 5:57 pm

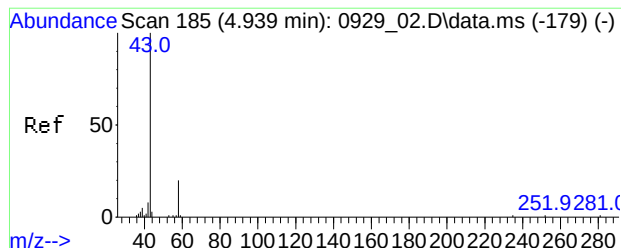
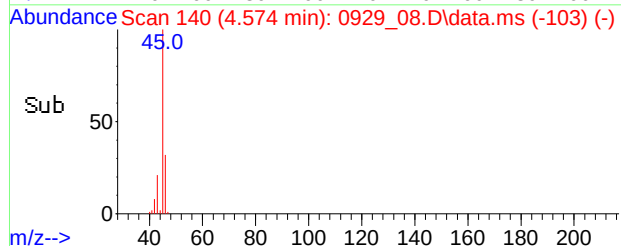
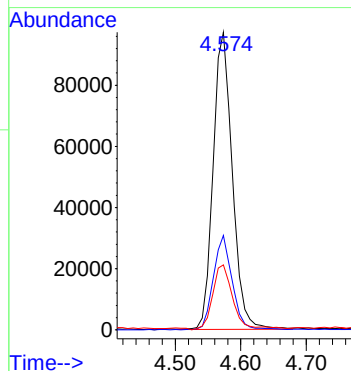
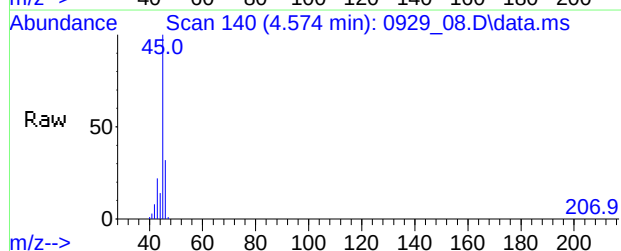
Tgt Ion: 50 Resp: 18185
Ion Ratio Lower Upper
50 100
52 31.6 15.5 55.5





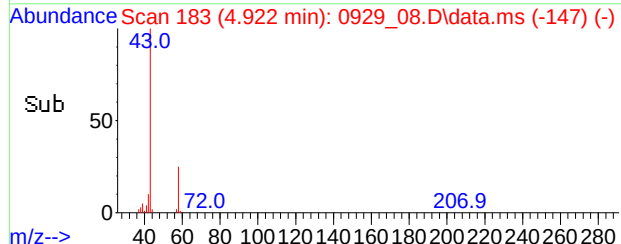
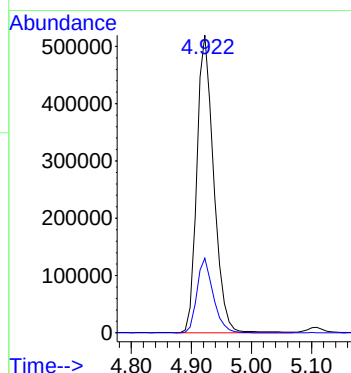
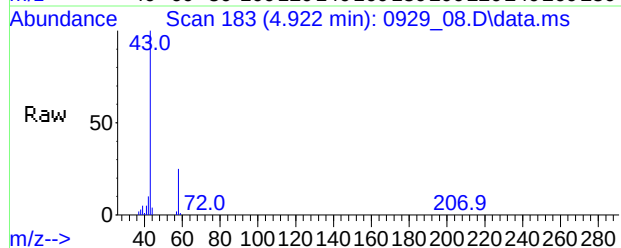
#11
Ethanol
Conc: 8\$ 35.364 ppbv
RT: 4.574 min Scan# 140
Delta R.T. 0.000 min
Lab File: 0929_08.D
Acq: 29 Sep 2025 5:57 pm

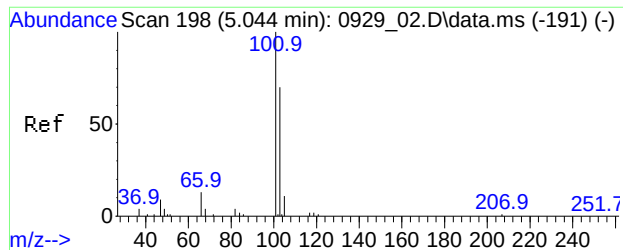
Tgt Ion: 45 Resp: 197712
Ion Ratio Lower Upper
45 100
46 31.2 0.6 0.8#
43 23.5 0.0 0.0#



#12
Acetone
Conc: 8\$ 30.269 ppbv
RT: 4.922 min Scan# 183
Delta R.T. -0.008 min
Lab File: 0929_08.D
Acq: 29 Sep 2025 5:57 pm

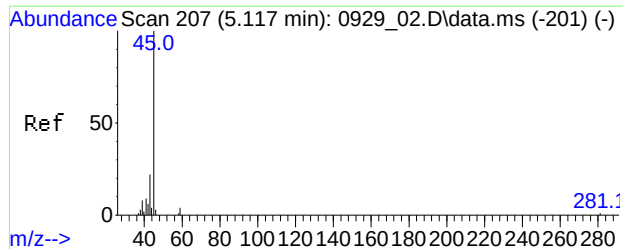
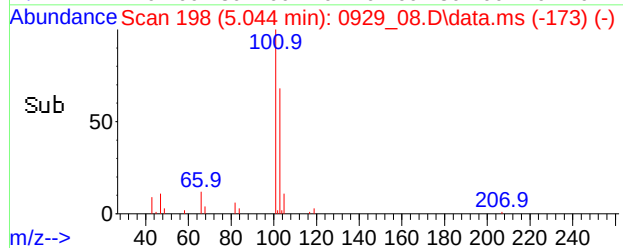
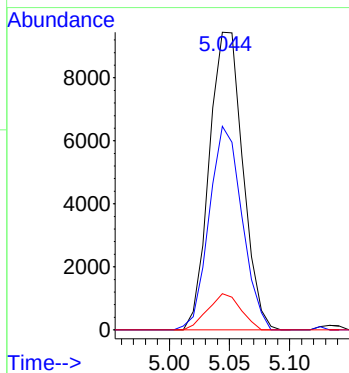
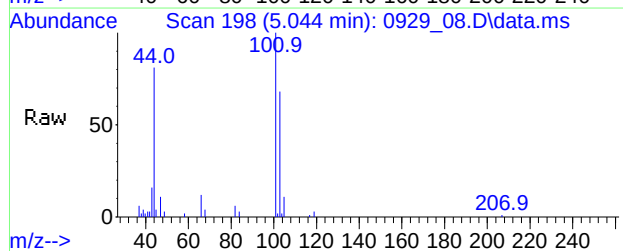
Tgt Ion: 43 Resp: 1008811
Ion Ratio Lower Upper
43 100
58 24.2 0.2 0.2#





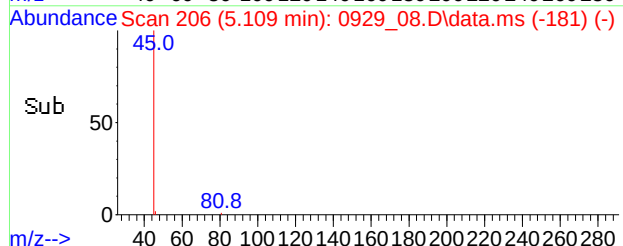
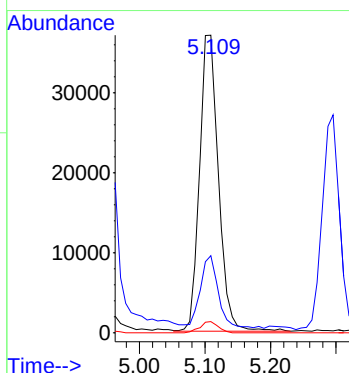
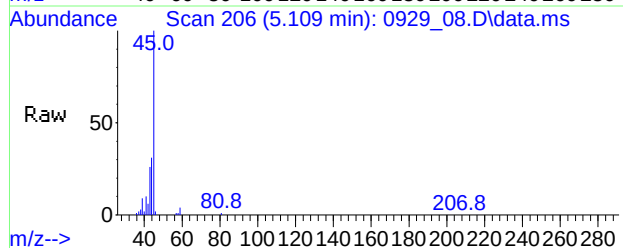
#13
Trichlorofluoromethane
Conc: 8\$ 0.364 ppbv
RT: 5.044 min Scan# 198
Delta R.T. 0.000 min
Lab File: 0929_08.D
Acq: 29 Sep 2025 5:57 pm

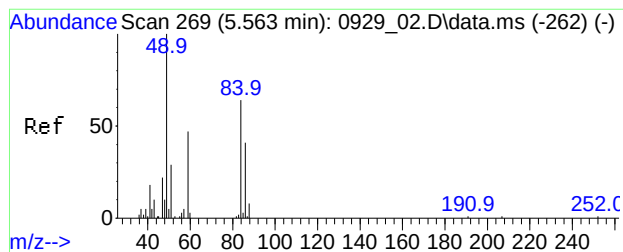
Tgt Ion: 101 Resp: 18384
Ion Ratio Lower Upper
101 100
103 67.0 49.8 74.8
66 11.9 12.1 18.1#



#14
Isopropylalcohol
Conc: 8\$ 2.198 ppbv
RT: 5.109 min Scan# 206
Delta R.T. 0.000 min
Lab File: 0929_08.D
Acq: 29 Sep 2025 5:57 pm

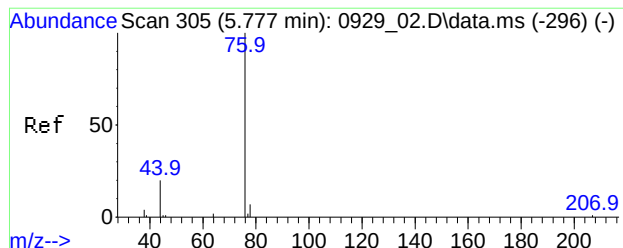
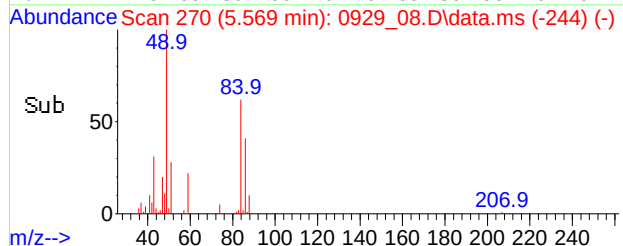
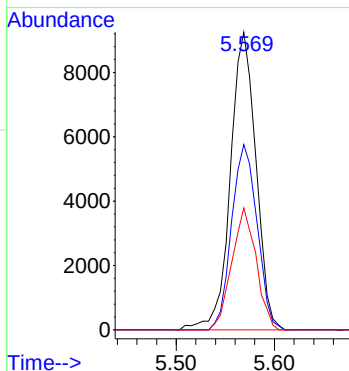
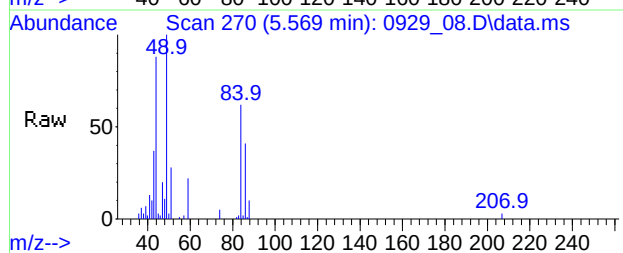
Tgt Ion: 45 Resp: 74019
Ion Ratio Lower Upper
45 100
43 22.8 0.0 0.0#
59 3.7 0.6 1.0#





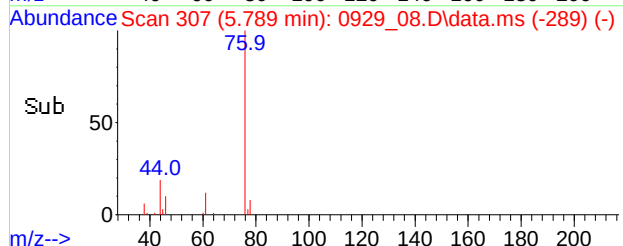
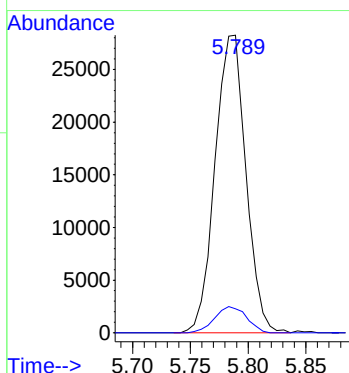
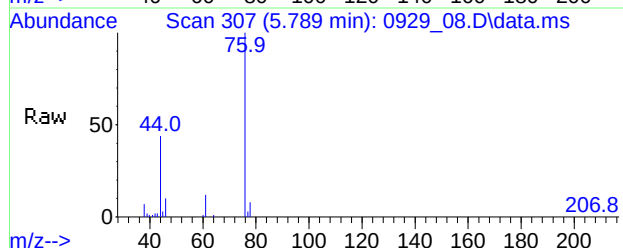
#17
Methylene Chloride
Conc: 8\$ 0.702 ppbv
RT: 5.569 min Scan# 270
Delta R.T. 0.006 min
Lab File: 0929_08.D
Acq: 29 Sep 2025 5:57 pm

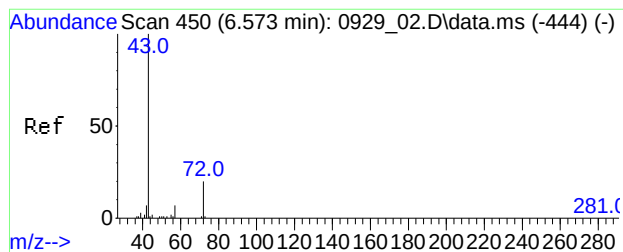
Tgt Ion: 49 Resp: 16719
Ion Ratio Lower Upper
49 100
84 62.0 50.1 75.1
86 39.0 33.8 50.8



#20
Carbon Disulfide
Conc: 8\$ 1.175 ppbv
RT: 5.789 min Scan# 307
Delta R.T. 0.006 min
Lab File: 0929_08.D
Acq: 29 Sep 2025 5:57 pm

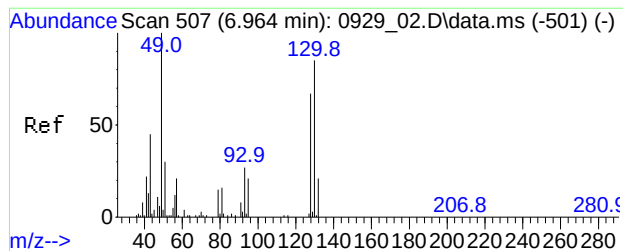
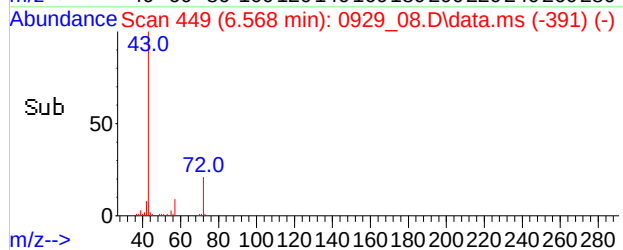
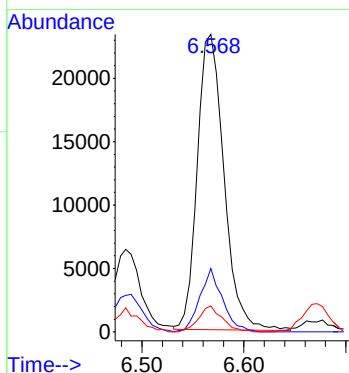
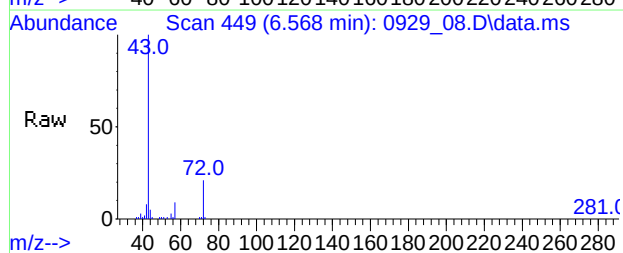
Tgt Ion: 76 Resp: 52490
Ion Ratio Lower Upper
76 100
78 9.2 8.3 12.5





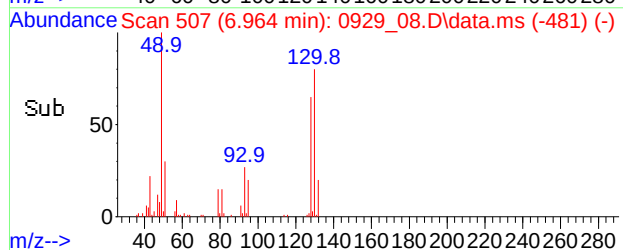
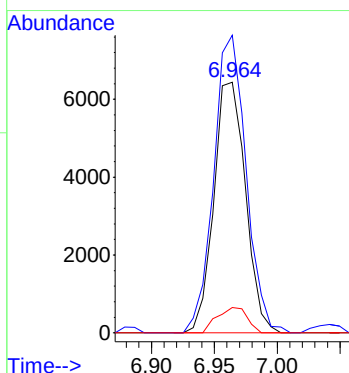
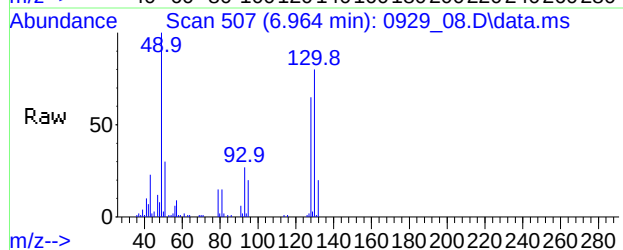
#25
Methyl Ethyl Ketone
Conc: 8\$ 1.103 ppbv
RT: 6.568 min Scan# 449
Delta R.T. 0.000 min
Lab File: 0929_08.D
Acq: 29 Sep 2025 5:57 pm

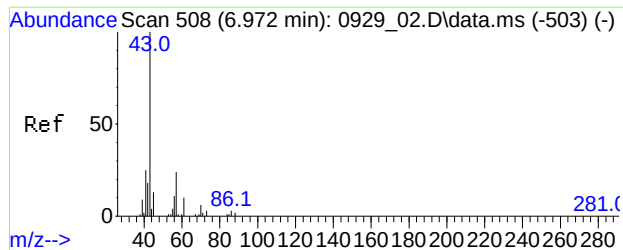
Tgt Ion: 43 Resp: 42339
Ion Ratio Lower Upper
43 100
72 18.2 0.0 0.0#
57 7.8 0.2 0.4#



#27
Hexane
Conc: 8\$ 0.472 ppbv
RT: 6.964 min Scan# 507
Delta R.T. 0.000 min
Lab File: 0929_08.D
Acq: 29 Sep 2025 5:57 pm

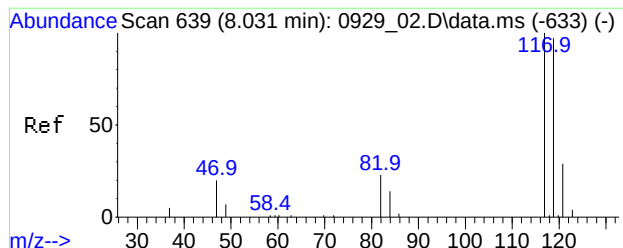
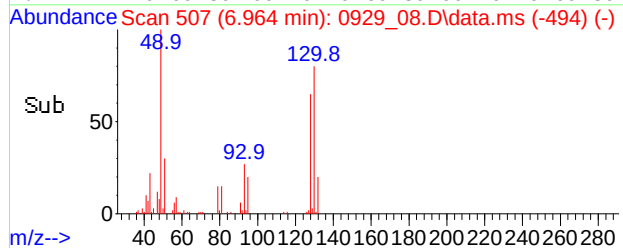
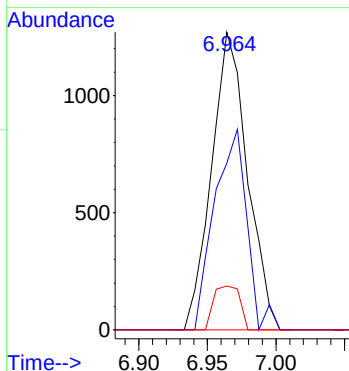
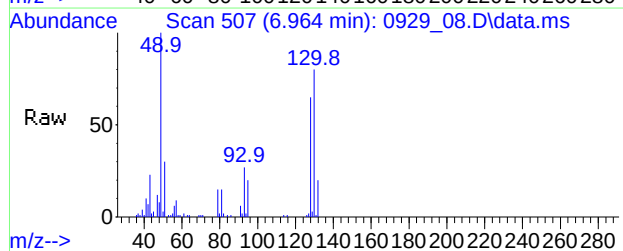
Tgt Ion: 57 Resp: 11293
Ion Ratio Lower Upper
57 100
41 121.3 73.0 109.6#
86 9.6 9.8 14.8#





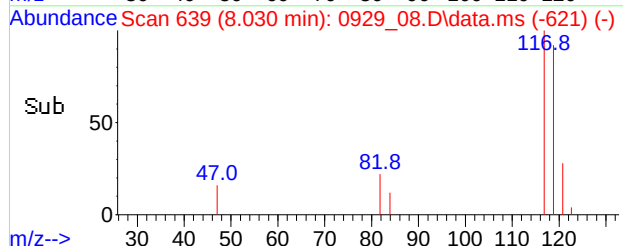
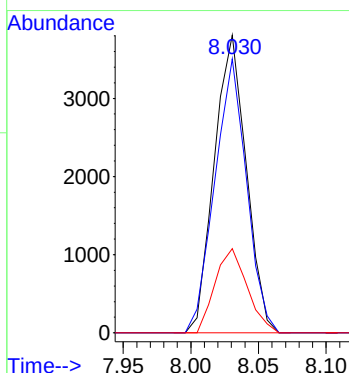
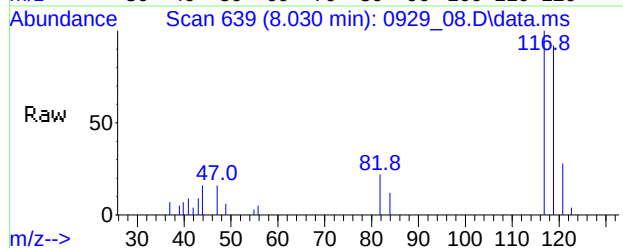
#29
Ethyl acetate
Conc: 8\$ 0.415 ppbv
RT: 6.964 min Scan# 507
Delta R.T. 0.000 min
Lab File: 0929_08.D
Acq: 29 Sep 2025 5:57 pm

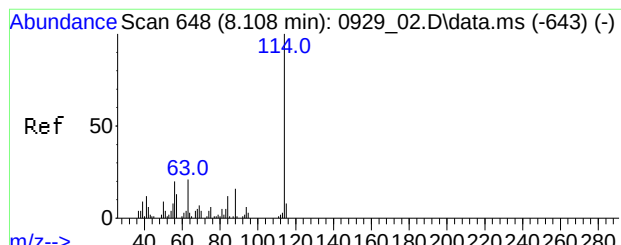
Tgt Ion: 61 Resp: 2312
Ion Ratio Lower Upper
61 100
70 60.9 62.8 94.2#
88 10.8 14.7 22.1#



#34
Carbon Tetrachloride
Conc: 8\$ Below Cal
RT: 8.030 min Scan# 639
Delta R.T. 0.009 min
Lab File: 0929_08.D
Acq: 29 Sep 2025 5:57 pm

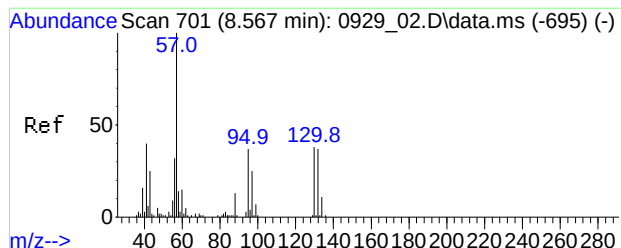
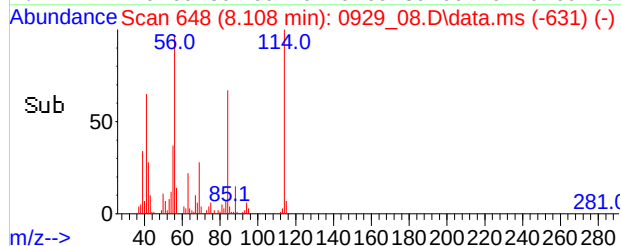
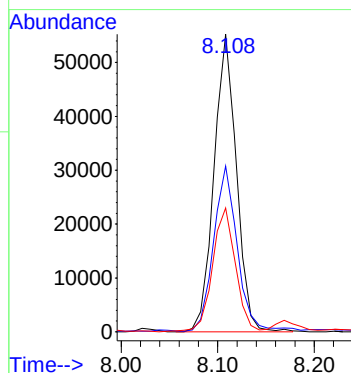
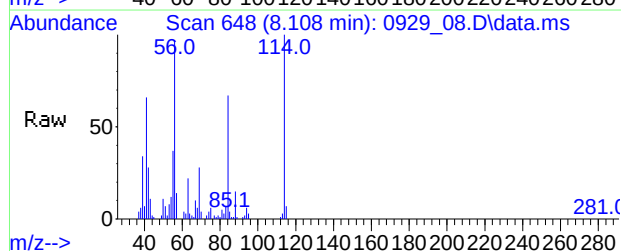
Tgt Ion: 117 Resp: 6257
Ion Ratio Lower Upper
117 100
119 91.5 74.9 114.9
121 28.4 11.2 51.2





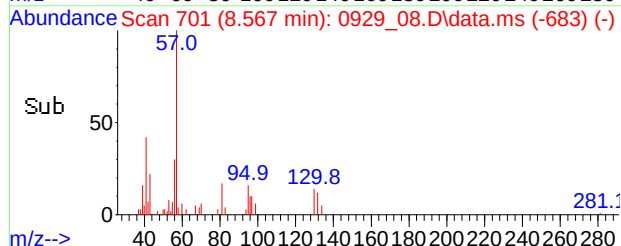
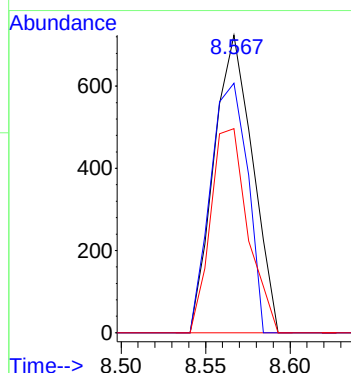
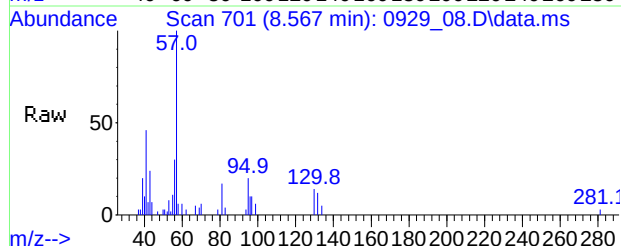
#35
Cyclohexane
Conc: 8\$ 4.412 ppbv
RT: 8.108 min Scan# 648
Delta R.T. 0.000 min
Lab File: 0929_08.D
Acq: 29 Sep 2025 5:57 pm

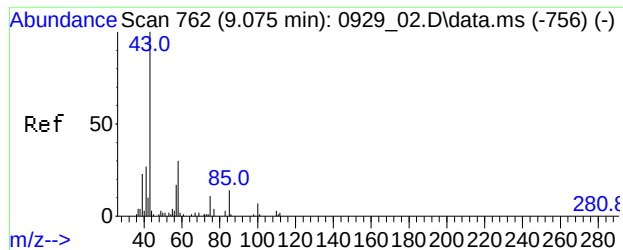
Tgt Ion: 84 Resp: 88787
Ion Ratio Lower Upper
84 100
55 58.2 52.4 78.6
42 42.6 29.8 44.6



#39
Trichloroethene
Conc: 8\$ Below Cal
RT: 8.567 min Scan# 701
Delta R.T. 0.009 min
Lab File: 0929_08.D
Acq: 29 Sep 2025 5:57 pm

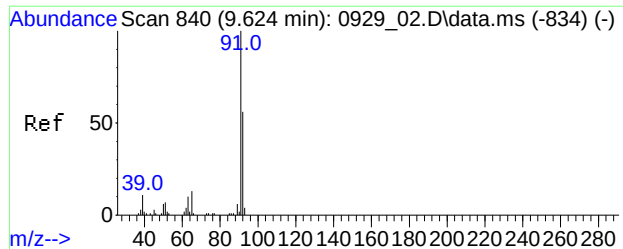
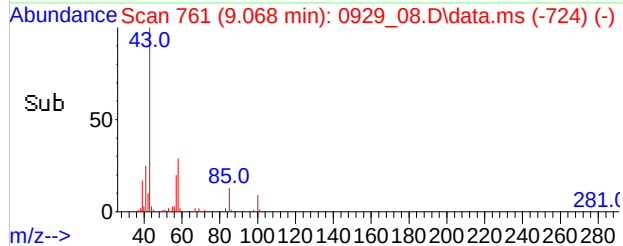
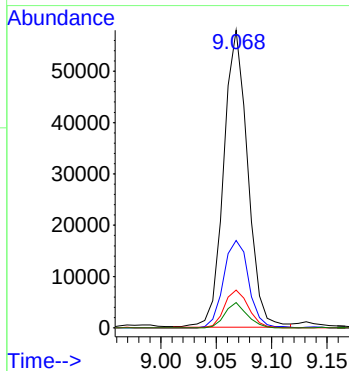
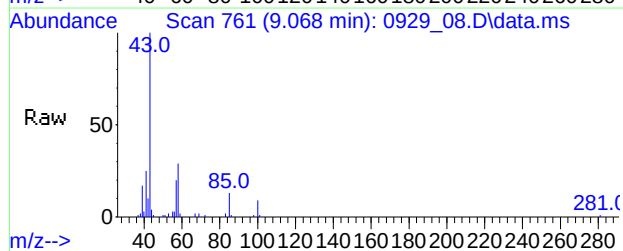
Tgt Ion: 130 Resp: 1151
Ion Ratio Lower Upper
130 100
132 80.7 88.3 132.5#
97 66.5 65.9 98.9





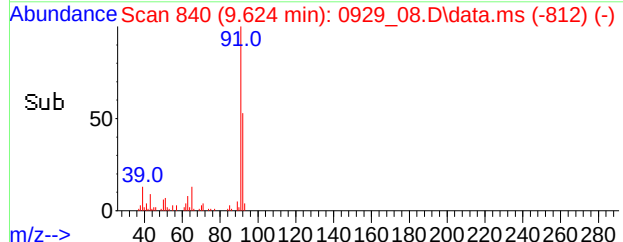
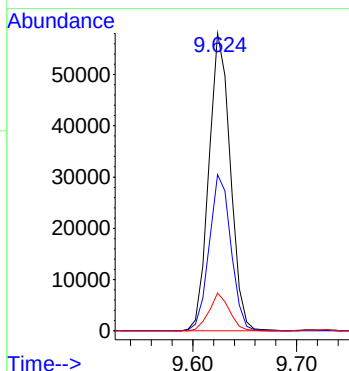
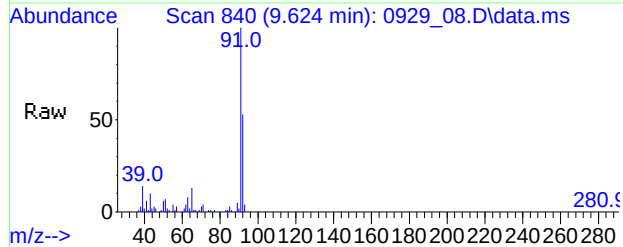
#45
4-Methyl-2-pentanone(MIBK)
Conc: 8\$ 1.806 ppbv
RT: 9.068 min Scan# 761
Delta R.T. 0.000 min
Lab File: 0929_08.D
Acq: 29 Sep 2025 5:57 pm

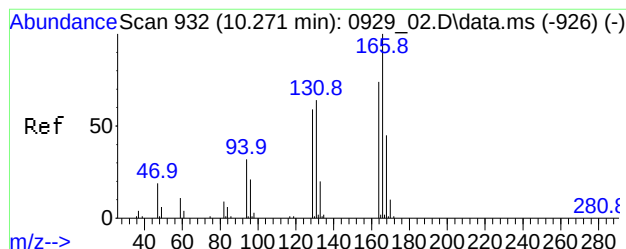
Tgt Ion:	43	Resp:	87482
Ion	Ratio	Lower	Upper
43	100		
58	30.9	28.6	43.0
85	12.8	15.4	23.0#
100	7.9	7.4	11.0



#48
Toluene
Conc: 8\$ 1.262 ppbv
RT: 9.624 min Scan# 840
Delta R.T. 0.000 min
Lab File: 0929_08.D
Acq: 29 Sep 2025 5:57 pm

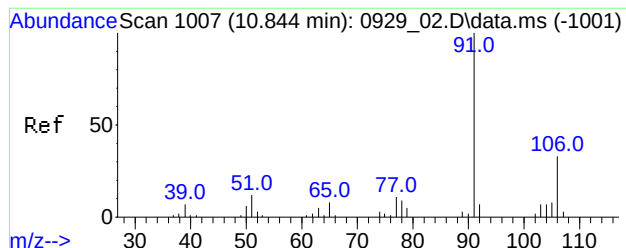
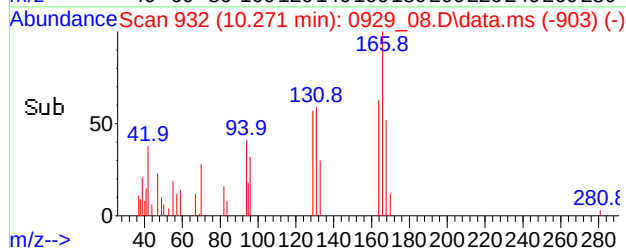
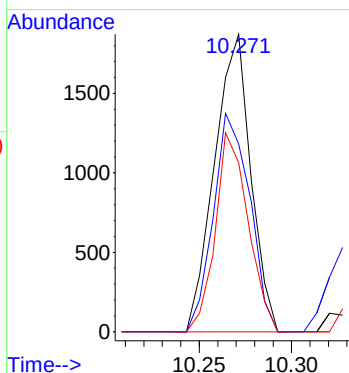
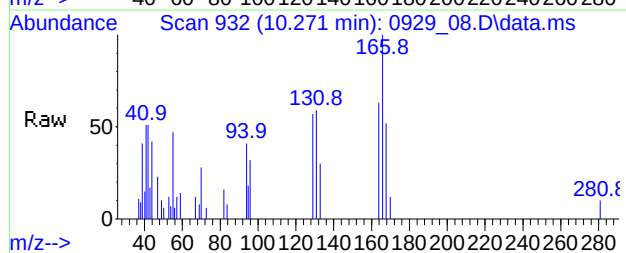
Tgt Ion:	91	Resp:	83059
Ion	Ratio	Lower	Upper
91	100		
92	53.2	43.8	65.8
65	12.0	10.6	16.0





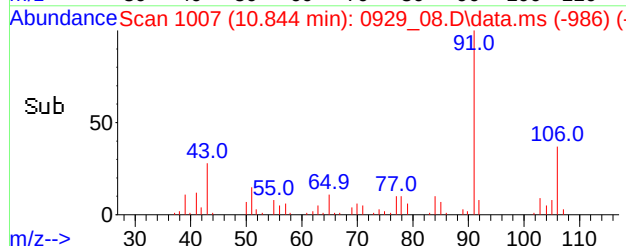
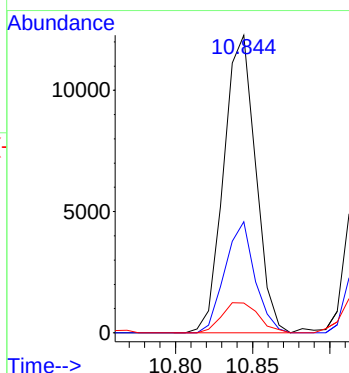
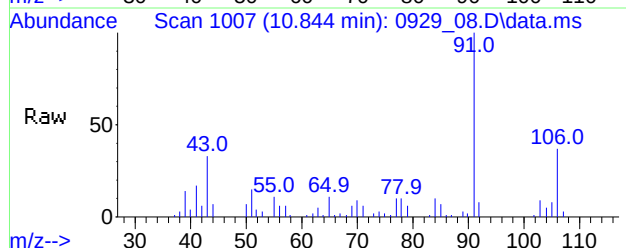
#52
Tetrachloroethene
Conc: 8\$ Below Cal
RT: 10.271 min Scan# 932
Delta R.T. 0.007 min
Lab File: 0929_08.D
Acq: 29 Sep 2025 5:57 pm

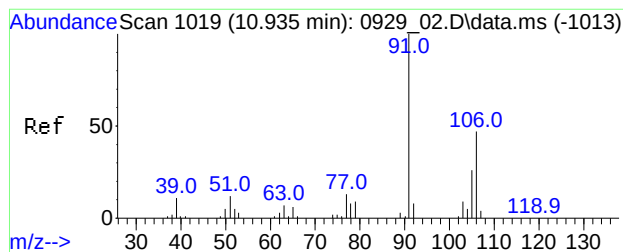
Tgt Ion: 166 Resp: 2559
Ion Ratio Lower Upper
166 100
164 73.7 63.4 95.2
129 60.6 68.4 102.6#



#56
Ethylbenzene
Conc: 8\$ 0.230 ppbv
RT: 10.844 min Scan# 1007
Delta R.T. 0.008 min
Lab File: 0929_08.D
Acq: 29 Sep 2025 5:57 pm

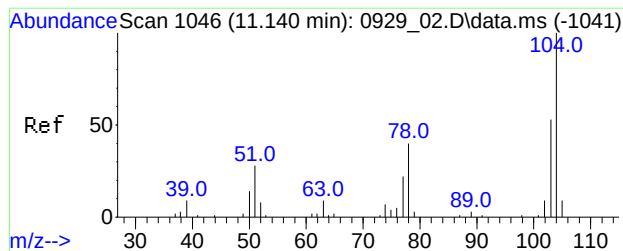
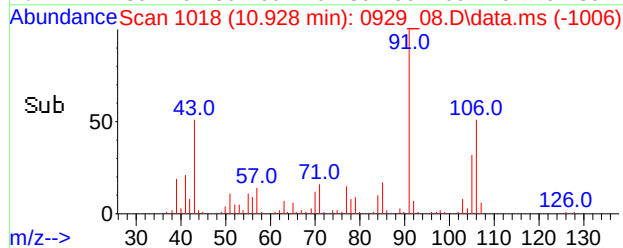
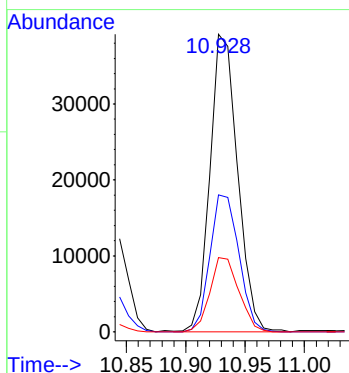
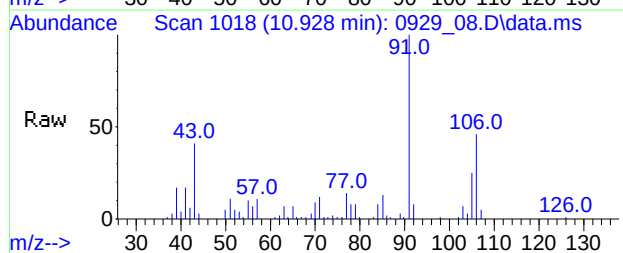
Tgt Ion: 91 Resp: 17631
Ion Ratio Lower Upper
91 100
106 35.1 24.0 64.0
77 11.7 0.0 33.4





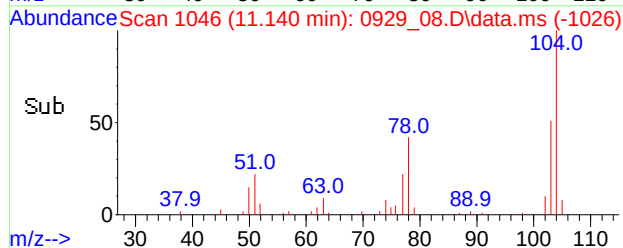
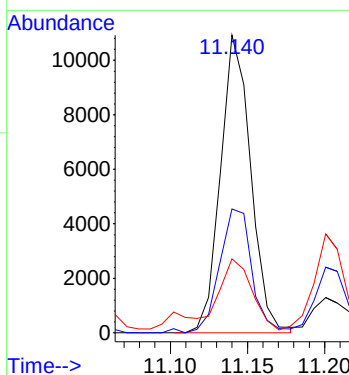
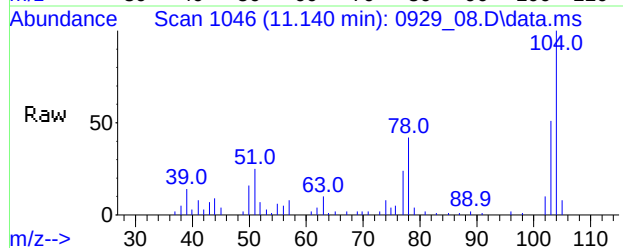
#57
m,p-Xylene
Conc: 8\$ 1.074 ppbv
RT: 10.928 min Scan# 1018
Delta R.T. -0.007 min
Lab File: 0929_08.D
Acq: 29 Sep 2025 5:57 pm

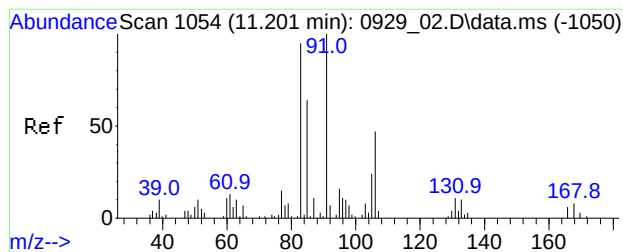
Tgt Ion: 91 Resp: 63194
Ion Ratio Lower Upper
91 100
106 48.3 0.0 0.0#
105 26.2 0.0 0.0#



#59
Styrene
Conc: 8\$ 0.331 ppbv
RT: 11.140 min Scan# 1046
Delta R.T. 0.000 min
Lab File: 0929_08.D
Acq: 29 Sep 2025 5:57 pm

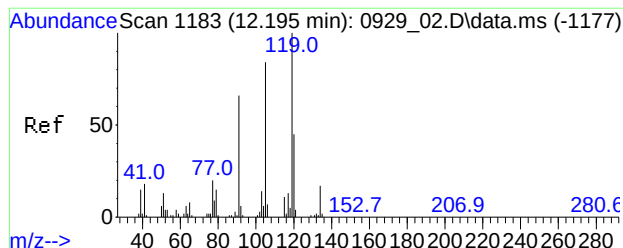
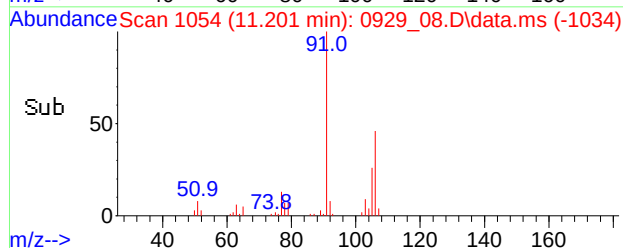
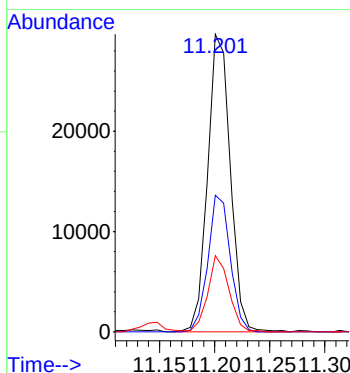
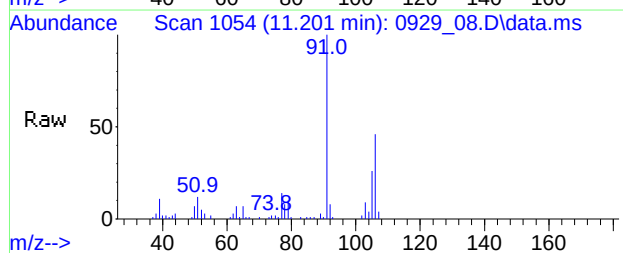
Tgt Ion: 104 Resp: 14881
Ion Ratio Lower Upper
104 100
78 44.8 11.5 17.3#
51 26.4 17.2 25.8#





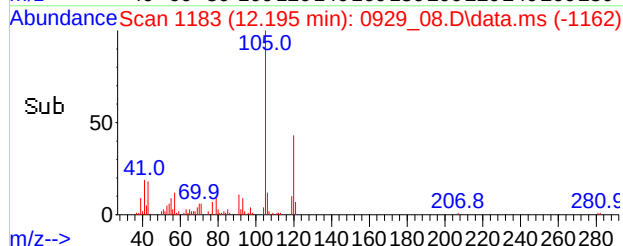
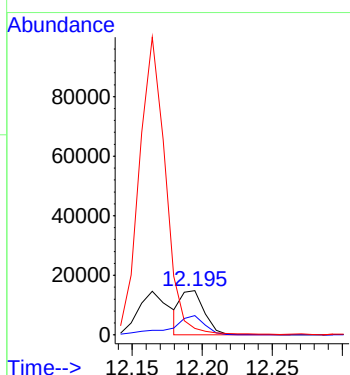
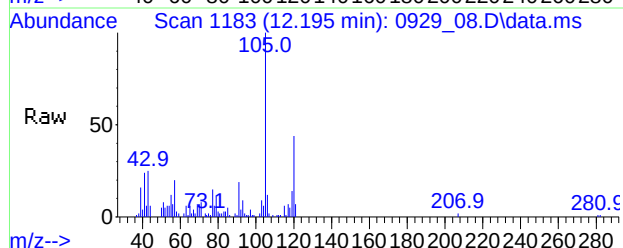
#61
o-Xylene
Conc: 8\$ 0.687 ppbv
RT: 11.201 min Scan# 1054
Delta R.T. 0.000 min
Lab File: 0929_08.D
Acq: 29 Sep 2025 5:57 pm

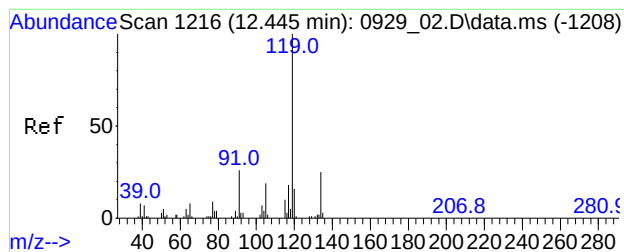
Tgt Ion: 91 Resp: 42363
Ion Ratio Lower Upper
91 100
106 45.2 31.7 47.5
105 24.1 13.4 20.0#



#67
1,2,4-Trimethylbenzene
Conc: 8\$ 0.233 ppbv
RT: 12.195 min Scan# 1183
Delta R.T. 0.008 min
Lab File: 0929_08.D
Acq: 29 Sep 2025 5:57 pm

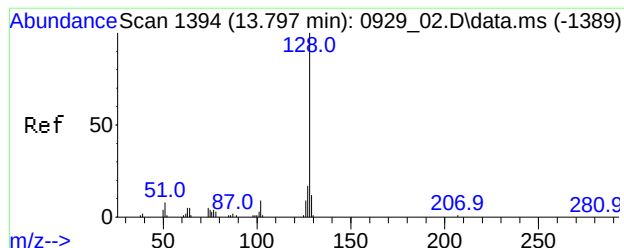
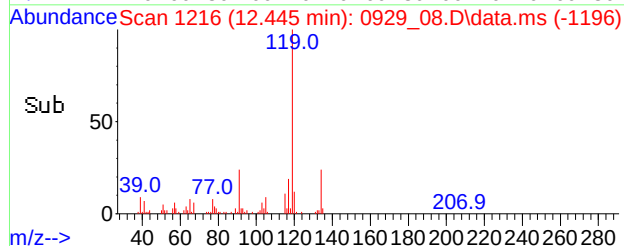
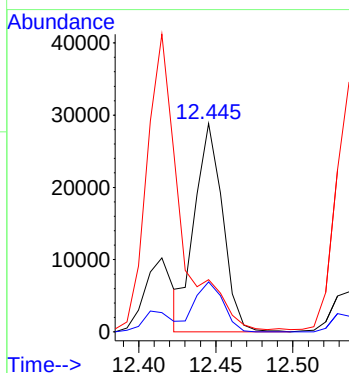
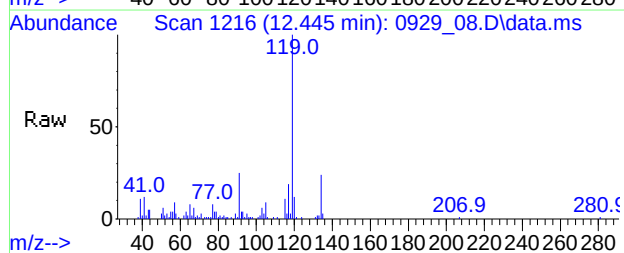
Tgt Ion: 105 Resp: 17486
Ion Ratio Lower Upper
105 100
120 60.9 39.4 59.2#
77 0.0 23.9 35.9#





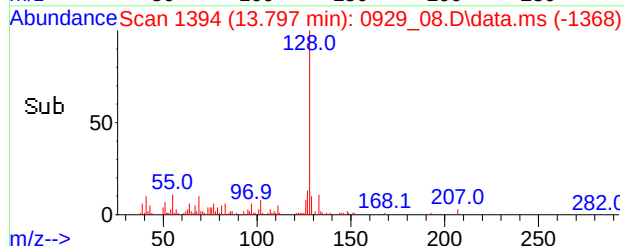
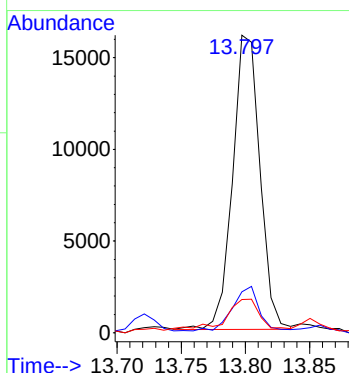
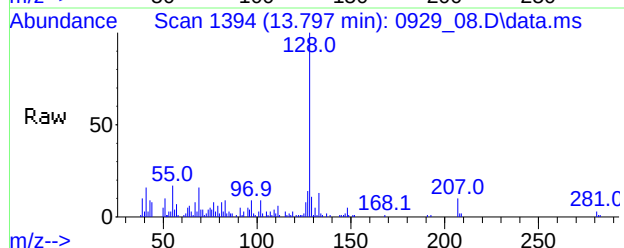
#72
4-Isopropyltoluene
Conc: 8\$ 0.347 ppbv
RT: 12.445 min Scan# 1216
Delta R.T. 0.000 min
Lab File: 0929_08.D
Acq: 29 Sep 2025 5:57 pm

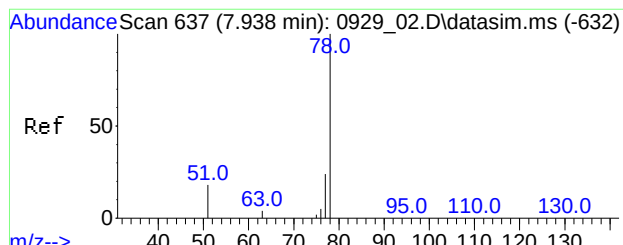
Tgt Ion: 119 Resp: 36461
Ion Ratio Lower Upper
119 100
134 25.1 0.0 0.0#
91 0.0 0.0 0.0



#76
Naphthalene
Conc: 8\$ 0.348 ppbv
RT: 13.797 min Scan# 1394
Delta R.T. 0.000 min
Lab File: 0929_08.D
Acq: 29 Sep 2025 5:57 pm

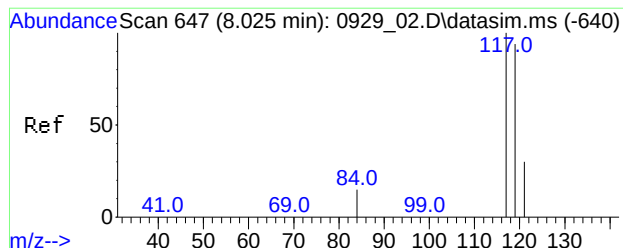
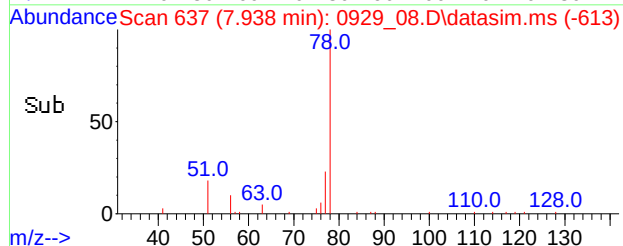
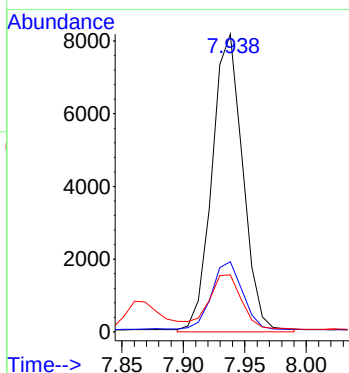
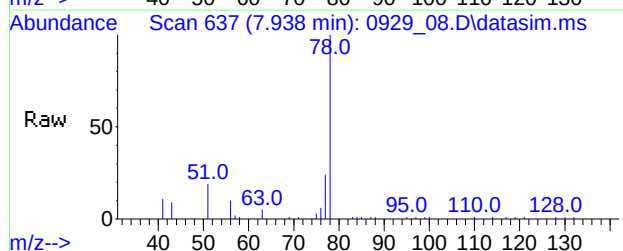
Tgt Ion: 128 Resp: 23848
Ion Ratio Lower Upper
128 100
127 16.6 0.0 0.0#
129 18.1 0.1 0.1#





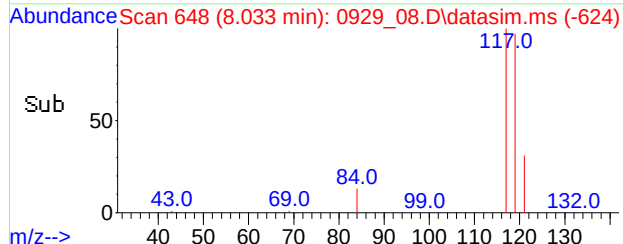
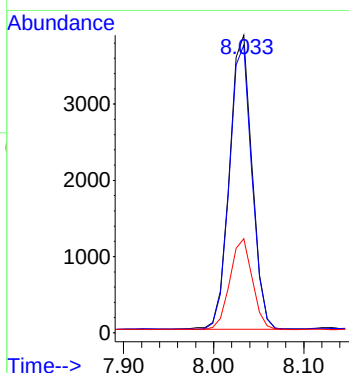
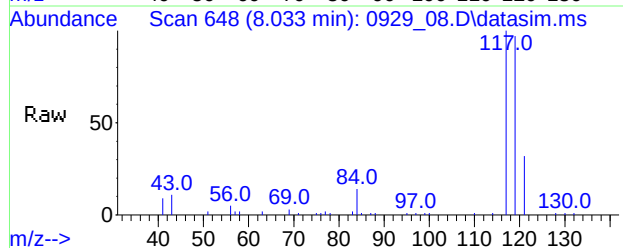
#85
Benzene(sim)
Conc: 8\$ 0.231 ppbv
RT: 7.935 min Scan# 637
Delta R.T. 0.000 min
Lab File: 0929_08.D
Acq: 29 Sep 2025 5:57 pm

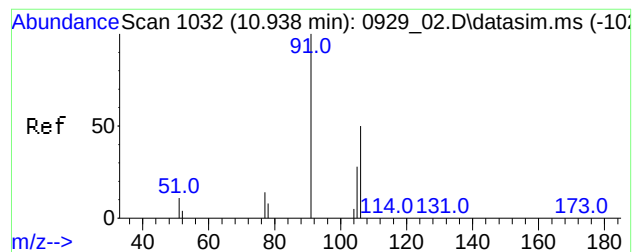
Tgt Ion: 78	Resp: 12476
Ion Ratio	Lower Upper
78 100	
77 24.9	17.4 26.0
51 20.0	15.8 23.6



#86
Carbon Tetrachloride(sim)
Conc: 8\$ 0.117 ppbv
RT: 8.033 min Scan# 648
Delta R.T. 0.009 min
Lab File: 0929_08.D
Acq: 29 Sep 2025 5:57 pm

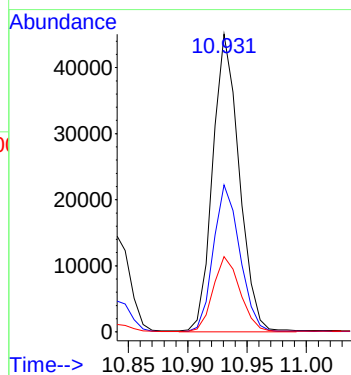
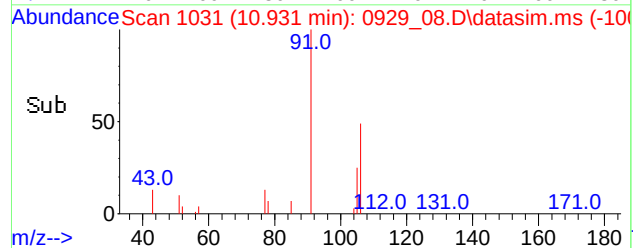
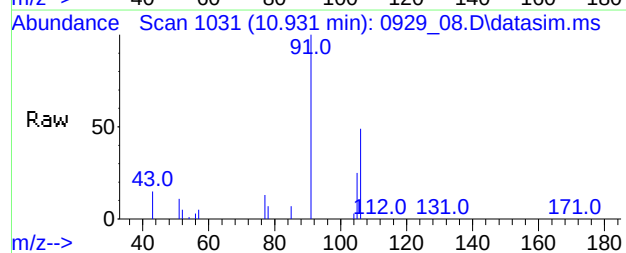
Tgt Ion: 117	Resp: 6732
Ion Ratio	Lower Upper
117 100	
119 96.0	76.6 115.0
121 30.5	24.2 36.4





#105
 m,p-Xylene(sim)
 Conc: 8\$ 0.999 ppbv
 RT: 10.928 min Scan# 1031
 Delta R.T. -0.007 min
 Lab File: 0929_08.D
 Acq: 29 Sep 2025 5:57 pm

Tgt Ion: 91	Resp: 63194
Ion Ratio	Lower Upper
91	100
106	48.3 39.6 48.4
105	26.2 16.6 24.8#



1
AIR ANALYSIS DATA SHEET

CLIENT ID

Client:	<u>FPMGROUP</u>	Lab:	<u>Phoenix Env. Labs</u>
SDG No.:	<u>GCU37304</u>	Lab Sample ID:	<u>CU37304 LCS</u>
Canister:	<u>LCS</u>	Lab File ID:	<u>0930_07.D</u>
Instrument:	<u>CHEM39</u>	Column:	<u>TX-1 ; #10157</u>
Purge Volume	<u>200</u> (cc)	Date Received:	<u>09/29/25</u>
Matrix:	<u>AIR</u>	Date Analyzed:	<u>09/30/25</u>
		Dilution Factor:	<u>1</u>

CONCENTRATION UNITS: (ppbv or ug/m3) ppbv

CAS NO.	COMPOUND	CONC.	Q	MDL	PQL	R
115-07-1	Propylene	10.1		0.581	0.581	r
75-71-8	Dichlorodifluoromethane	12.1		0.202	0.202	r
74-87-3	Chloromethane	10.5		0.485	0.485	r
76-14-2	1,2-Dichlorotetrafluoroethane	11.1		0.143	0.143	r
75-01-4	Vinyl Chloride	10.4		0.078	0.078	r
106-99-0	1,3-Butadiene	10.4		0.452	0.452	r
74-83-9	Bromomethane	10.5		0.258	0.258	r
75-00-3	Chloroethane	10.2		0.379	0.379	r
64-17-5	Ethanol	10.9		0.531	0.531	r
67-64-1	Acetone	9.96		0.421	0.421	r
75-69-4	Trichlorofluoromethane	11.3		0.178	0.178	r
67-63-0	Isopropylalcohol	10.9		0.407	0.407	r
107-13-1	Acrylonitrile	13.5		0.461	0.461	r
75-35-4	1,1-Dichloroethene	10.5		0.051	0.051	r
75-09-2	Methylene Chloride	10.5		0.863	0.863	r
75-15-0	Carbon Disulfide	9.74		0.321	0.321	r
76-13-1	Trichlorotrifluoroethane	10.5		0.131	0.131	r
156-60-5	Trans-1,2-Dichloroethene	10.6		0.252	0.252	r
75-34-3	1,1-Dichloroethane	10.2		0.247	0.247	r
1634-04-4	Methyl tert-butyl ether(MTBE)	10.1		0.278	0.278	r
78-93-3	Methyl Ethyl Ketone	10.7		0.339	0.339	r
156-59-2	Cis-1,2-Dichloroethene	10.4		0.051	0.051	r
110-54-3	Hexane	10.2		0.284	0.284	r
67-66-3	Chloroform	10.6		0.205	0.205	r
141-78-6	Ethyl acetate	11.4		0.278	0.278	r
109-99-9	Tetrahydrofuran	10.0		0.339	0.339	r
107-06-2	1,2-Dichloroethane	11.5		0.247	0.247	r
71-55-6	1,1,1-Trichloroethane	11.0		0.183	0.183	r
71-43-2	Benzene	9.68		0.313	0.313	r
56-23-5	Carbon Tetrachloride	11.3		0.032	0.032	r
110-82-7	Cyclohexane	9.59		0.291	0.291	r
78-87-5	1,2-dichloropropane	10.1		0.217	0.217	r
75-27-4	Bromodichloromethane	11.3		0.149	0.149	r
79-01-6	Trichloroethene	10.8		0.037	0.037	r
540-84-1	2,2,4-trimethylpentane	10.4		0.215	0.215	r
123-91-1	1,4-Dioxane	12.5		0.278	0.278	r

FORM I AIR

r=Result Reported U=Not Detected D=Reported Dilution E/J=Estimated Value X=Not Used S=Lab Solvent

1
AIR ANALYSIS DATA SHEET

CLIENT ID

Client:	<u>FPMGROUP</u>	Lab:	<u>Phoenix Env. Labs</u>
SDG No.:	<u>GCU37304</u>	Lab Sample ID:	<u>CU37304 LCS</u>
Canister:	<u>LCS</u>	Lab File ID:	<u>0930_07.D</u>
Instrument:	<u>CHEM39</u>	Column:	<u>TX-1 ; #10157</u>
Purge Volume	<u>200</u> (cc)	Date Received:	<u>09/29/25</u>
Matrix:	<u>AIR</u>	Date Analyzed:	<u>09/30/25</u>
		Dilution Factor:	<u>1</u>

CONCENTRATION UNITS: (ppbv or ug/m3) ppbv

CAS NO.	COMPOUND	CONC.	Q	MDL	PQL	R
142-82-5	Heptane	10.6		0.244	0.244	r
10061-01-5	cis-1,3-Dichloropropene	10.4		0.220	0.220	r
108-10-1	4-Methyl-2-pentanone(MIBK)	11.6		0.244	0.244	r
10061-02-6	trans-1,3-Dichloropropene	10.7		0.220	0.220	r
79-00-5	1,1,2-Trichloroethane	10.4		0.183	0.183	r
108-88-3	Toluene	10.2		0.266	0.266	r
124-48-1	Dibromochloromethane	11.6		0.117	0.117	r
591-78-6	2-Hexanone(MBK)	12.9		0.244	0.244	r
106-93-4	1,2-Dibromoethane(EDB)	10.8		0.130	0.130	r
127-18-4	Tetrachloroethene	10.9		0.037	0.037	r
630-20-6	1,1,1,2-Tetrachloroethane	11.9		0.146	0.146	r
108-90-7	Chlorobenzene	11.5		0.217	0.217	r
100-41-4	Ethylbenzene	11.2		0.230	0.230	r
179601-23-1	m,p-Xylene	23.1		0.230	0.230	r
75-25-2	Bromoform	12.9		0.097	0.097	r
100-42-5	Styrene	11.4		0.235	0.235	r
79-34-5	1,1,2,2-Tetrachloroethane	11.3		0.146	0.146	r
95-47-6	o-Xylene	11.5		0.230	0.230	r
98-82-8	Isopropylbenzene	11.3		0.204	0.204	r
622-96-8	4-Ethyltoluene	11.9		0.204	0.204	r
108-67-8	1,3,5-Trimethylbenzene	12.2		0.204	0.204	r
95-63-6	1,2,4-Trimethylbenzene	12.2		0.204	0.204	r
100-44-7	Benzyl chloride	12.6		0.193	0.193	r
541-73-1	1,3-Dichlorobenzene	12.2		0.166	0.166	r
106-46-7	1,4-Dichlorobenzene	12.6		0.166	0.166	r
135-98-8	sec-Butylbenzene	11.7		0.182	0.182	r
99-87-6	4-Isopropyltoluene	11.9		0.182	0.182	r
95-50-1	1,2-Dichlorobenzene	12.6		0.166	0.166	r
104-51-8	n-Butylbenzene	12.1		0.182	0.182	r
120-82-1	1,2,4-Trichlorobenzene	13.5		0.135	0.135	r
91-20-3	Naphthalene	13.1		0.200	0.200	r
87-68-3	Hexachlorobutadiene	12.7		0.094	0.094	r

FORM I AIR

r=Result Reported U=Not Detected D=Reported Dilution E/J=Estimated Value X=Not Used S=Lab Solvent

Data Path : H:\AIR2025\CHEM39\09SEP\30\
 Data File : 0930_07.D
 Acq On : 30 Sep 2025 12:40 pm
 Operator :
 Client ID : CU37304 LCS
 Lab ID : CU37304 LCS
 ALS Vial : 1 Sample Multiplier: 1

Quant Time: Sep 30 14:00:55 2025
 Quant Method : H:\AIR2025\CHEM39\Methods\39_AIR_0920.M
 Quant Title : VOA Standards for 5 point calibration
 QLast Update : Tue Sep 23 14:45:11 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	7.332	130	188072	10.000	ng	0.00
36) 1,4-Difluorobenzene	8.507	114	709159	10.000	ng	0.00
53) Chlorobenzene-d5	11.008	82	343225	10.000	ng	0.00
80) Bromochloromethane(sim)	7.335	130	182146	10.000	ng	# 0.00
95) 1,4-Difluorobenzene(sim)	8.507	114	709159	10.000	ng	0.00
105) Chlorobenzene-d5(sim)	11.008	82	343225	10.000	ng	0.00

System Monitoring Compounds						
62) % Bromofluorobenzene	11.842	95	395891	8.884	ppbv	0.00
Spiked Amount	10.000	Range 70 - 130	Recovery	=	88.80%	

Target Compounds					Qvalue	
2) Propylene	3.883	41	274347	10.046	ppbv	97
3) Dichlorodifluoromethane	3.956	85	568880	12.056	ppbv	97
4) Chloromethane	4.102	50	263578	10.482	ppbv	99
5) 1,2-Dichlorotetrafluor...	4.191	85	487480	11.094	ppbv	94
6) Vinyl Chloride	4.304	62	216831	10.383	ppbv	99
7) 1,3-Butadiene	4.418	54	213066	10.375	ppbv	96
8) Bromomethane	4.653	94	165171	10.500	ppbv	93
9) Chloroethane	4.791	64	90616	10.155	ppbv	98
11) Ethanol	4.872	45	99021	10.849	ppbv#	93
12) Acetone	5.243	43	512570	9.959	ppbv	99
13) Trichlorofluoromethane	5.384	101	613372	11.293	ppbv	99
14) Isopropylalcohol	5.415	45	595137	10.884	ppbv	97
15) Acrylonitrile	5.587	53	240750	13.535	ppbv	98
16) 1,1-Dichloroethene	5.842	61	433451	10.480	ppbv	100
17) Methylene Chloride	5.919	49	401735	10.446	ppbv	93
20) Carbon Disulfide	6.152	76	522303	9.738	ppbv	99
21) Trichlorotrifluoroethane	6.092	101	437141	10.497	ppbv	98
22) Trans-1,2-Dichloroethene	6.554	61	409727	10.554	ppbv	99
23) 1,1-Dichloroethane	6.683	63	455192	10.244	ppbv	96
24) Methyl tert-butyl ethe...	6.708	73	552193	10.139	ppbv	98
25) Methyl Ethyl Ketone	6.918	43	728341	10.692	ppbv	96
26) Cis-1,2-Dichloroethene	7.219	61	387042	10.432	ppbv	98
27) Hexane	7.340	57	467615	10.216	ppbv	99
28) Chloroform	7.405	83	457704	10.569	ppbv	97
29) Ethyl acetate	7.324	61	98166	11.349	ppbv	90
30) Tetrahydrofuran	7.656	42	363776	10.043	ppbv	95
31) 1,2-Dichloroethane	7.875	62	395419	11.449	ppbv	98
32) 1,1,1-Trichloroethane	8.046	97	500453	10.986	ppbv	99
33) Benzene	8.326	78	601857	9.684	ppbv	99
34) Carbon Tetrachloride	8.421	117	548616	11.271	ppbv	99
35) Cyclohexane	8.499	84	230358	9.588	ppbv	95
37) 1,2-dichloropropane	8.810	63	305258	10.068	ppbv	97
38) Bromodichloromethane	8.923	83	501550	11.319	ppbv	98
39) Trichloroethene	8.949	130	302357	10.802	ppbv	94
40) 2,2,4-trimethylpentane	8.949	57	1480376	10.431	ppbv	97
41) 1,4-Dioxane	8.931	88	144489	12.501	ppbv	94
43) Heptane	9.087	43	694414	10.613	ppbv	95
44) cis-1,3-Dichloropropene	9.439	75	383643	10.364	ppbv	96
45) 4-Methyl-2-pentanone(M...	9.432	43	916789	11.631	ppbv	99
46) trans-1,3-Dichloropropene	9.727	75	317564	10.710	ppbv	97
47) 1,1,2-Trichloroethane	9.847	97	266726	10.401	ppbv	91
48) Toluene	10.009	91	774204	10.201	ppbv	97

Data Path : H:\AIR2025\CHEM39\09SEP\30\
 Data File : 0930_07.D
 Acq On : 30 Sep 2025 12:40 pm
 Operator :
 Client ID : CU37304 LCS
 Lab ID : CU37304 LCS
 ALS Vial : 1 Sample Multiplier: 1

Quant Time: Sep 30 14:00:55 2025
 Quant Method : H:\AIR2025\CHEM39\Methods\39_AIR_0920.M
 Quant Title : VOA Standards for 5 point calibration
 QLast Update : Tue Sep 23 14:45:11 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
49) Dibromochloromethane	10.262	129	575634	11.613	ppbv	99
50) 2-Hexanone(MBK)	10.114	43	888878	12.900	ppbv	96
51) 1,2-Dibromoethane(EDB)	10.403	107	460436	10.768	ppbv	97
52) Tetrachloroethene	10.649	166	405537	10.864	ppbv	96
54) 1,1,1,2-Tetrachloroethane	11.016	131	368875	11.926	ppbv	98
55) Chlorobenzene	11.031	112	618184	11.454	ppbv	83
56) Ethylbenzene	11.221	91	1022875	11.190	ppbv	96
57) m, p-Xylene	11.319	91	1642705	23.087	ppbv	97
58) Bromoform	11.395	173	583988	12.917	ppbv	98
59) Styrene	11.524	104	585427	11.364	ppbv	97
60) 1,1,2,2-Tetrachloroethane	11.585	83	592107	11.277	ppbv	94
61) o-Xylene	11.585	91	847879	11.460	ppbv	96
65) Isopropylbenzene	11.911	105	1158313	11.315	ppbv	97
66) 4-Ethyltoluene	12.282	105	1233832	11.878	ppbv	97
67) 1,3,5-Trimethylbenzene	12.320	105	1057034	12.212	ppbv	97
68) 1,2,4-Trimethylbenzene	12.571	105	1073715	12.167	ppbv	96
70) Benzyl chloride	12.670	91	831814	12.600	ppbv	96
71) 1,3-Dichlorobenzene	12.693	146	697250	12.224	ppbv	98
72) 1,4-Dichlorobenzene	12.730	146	687709	12.612	ppbv	99
73) sec-Butylbenzene	12.738	105	1460292	11.703	ppbv	96
74) 4-Isopropyltoluene	12.822	119	1359249	11.869	ppbv	98
75) 1,2-Dichlorobenzene	12.951	146	676431	12.569	ppbv	100
76) n-Butylbenzene	13.087	91	1194586	12.115	ppbv	96
77) 1,2,4-Trichlorobenzene	14.128	180	501502	13.483	ppbv	98
78) Naphthalene	14.227	128	1048901	13.090	ppbv#	99
79) Hexachlorobutadiene	14.477	225	564035	12.682	ppbv	99
81] 1,2-Dichlorotetrafluor...	4.191	85	487480	10.328	ppbv	94
82] Vinyl Chloride(sim)	4.299	62	227509	9.855	ppbv	100
83] Bromomethane(sim)	4.653	94	165171	9.513	ppbv	93
84] Trichlorofluoromethane...	5.387	101	618256	10.935	ppbv#	100
85] 1,2-Dichloroethane(sim)	7.875	62	395419	10.838	ppbv	98
86] 1,1,1-Trichloroethane(...	8.040	97	512973	10.629	ppbv#	99
87] Benzene(sim)	8.326	78	601857	8.423	ppbv	99
88] Carbon Tetrachloride(sim)	8.424	117	530355	10.997	ppbv	100
89] 1,1-Dichloroethene(sim)	5.842	61	433451	10.039	ppbv	99
90] Trichlorotrifluoroetha...	6.095	101	433951	10.034	ppbv#	99
91] Trans-1,2-Dichloroethe...	6.554	61	409727	10.550	ppbv	99
92] 1,1-Dichloroethane(sim)	6.686	63	475379	9.717	ppbv	98
93] Cis-1,2-Dichloroethene...	7.219	61	387042	10.109	ppbv	98
94] Chloroform(sim)	7.408	83	460447	9.628	ppbv	98
96] 1,2-dichloropropane(sim)	8.813	63	321199	9.731	ppbv	96
97] Bromodichloromethane(sim)	8.923	83	501550	10.969	ppbv	99
98] Trichloroethene(sim)	8.952	130	295612	10.460	ppbv	95
99] 1,4-Dioxane(sim)	8.931	88	144489	3.240	ppbv	94
100] cis-1,3-Dichloropropen...	9.435	75	400495	10.308	ppbv	99
101] 1,1,2-Trichloroethane(...	9.847	97	266726	9.796	ppbv	91
102] Dibromochloromethane(sim)	10.265	129	546062	11.764	ppbv	99
103] 1,2-Dibromoethane(EDB)...	10.403	107	460436	10.654	ppbv	98
104] Tetrachloroethene(sim)	10.652	166	386936	10.588	ppbv	96
106] Bromoform(sim)	11.398	173	540226	13.147	ppbv	100
107] m, p-Xylene(sim)	11.319	91	1646206	21.215	ppbv	97
108] 1,1,2,2-Tetrachloroeth...	11.580	83	591093	10.485	ppbv	99
109] Benzyl chloride(sim)	12.670	91	831814	14.136	ppbv	96
110] 1,3-Dichlorobenzene(sim)	12.688	146	743609	11.973	ppbv	100
111] 1,4-Dichlorobenzene(sim)	12.730	146	687709	11.969	ppbv	99

Data Path : H:\AIR2025\CHEM39\09SEP\30\
Data File : 0930_07.D
Acq On : 30 Sep 2025 12:40 pm
Operator :
Client ID : CU37304 LCS
Lab ID : CU37304 LCS
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Sep 30 14:00:55 2025
Quant Method : H:\AIR2025\CHEM39\Methods\39_AIR_0920.M
Quant Title : VOA Standards for 5 point calibration
QLast Update : Tue Sep 23 14:45:11 2025
Response via : Initial Calibration

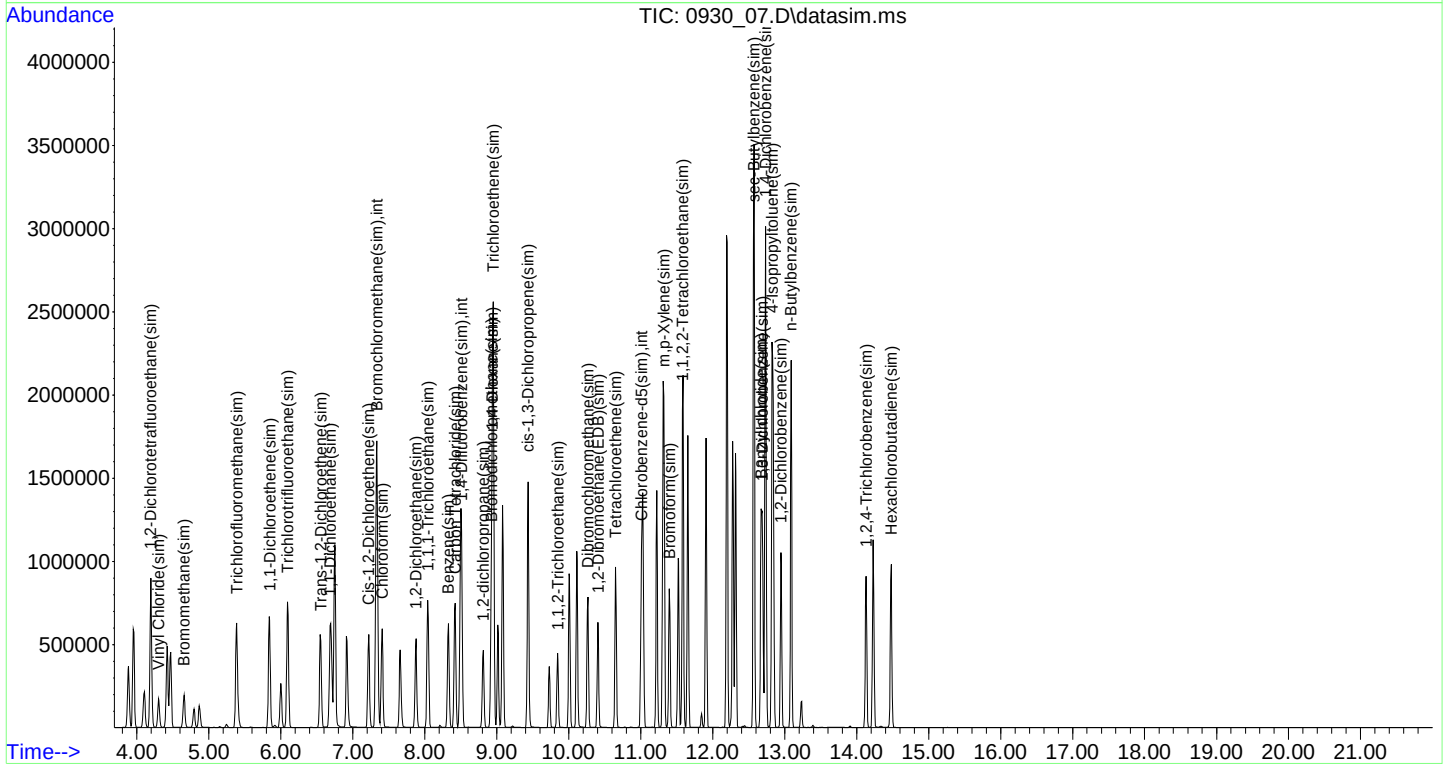
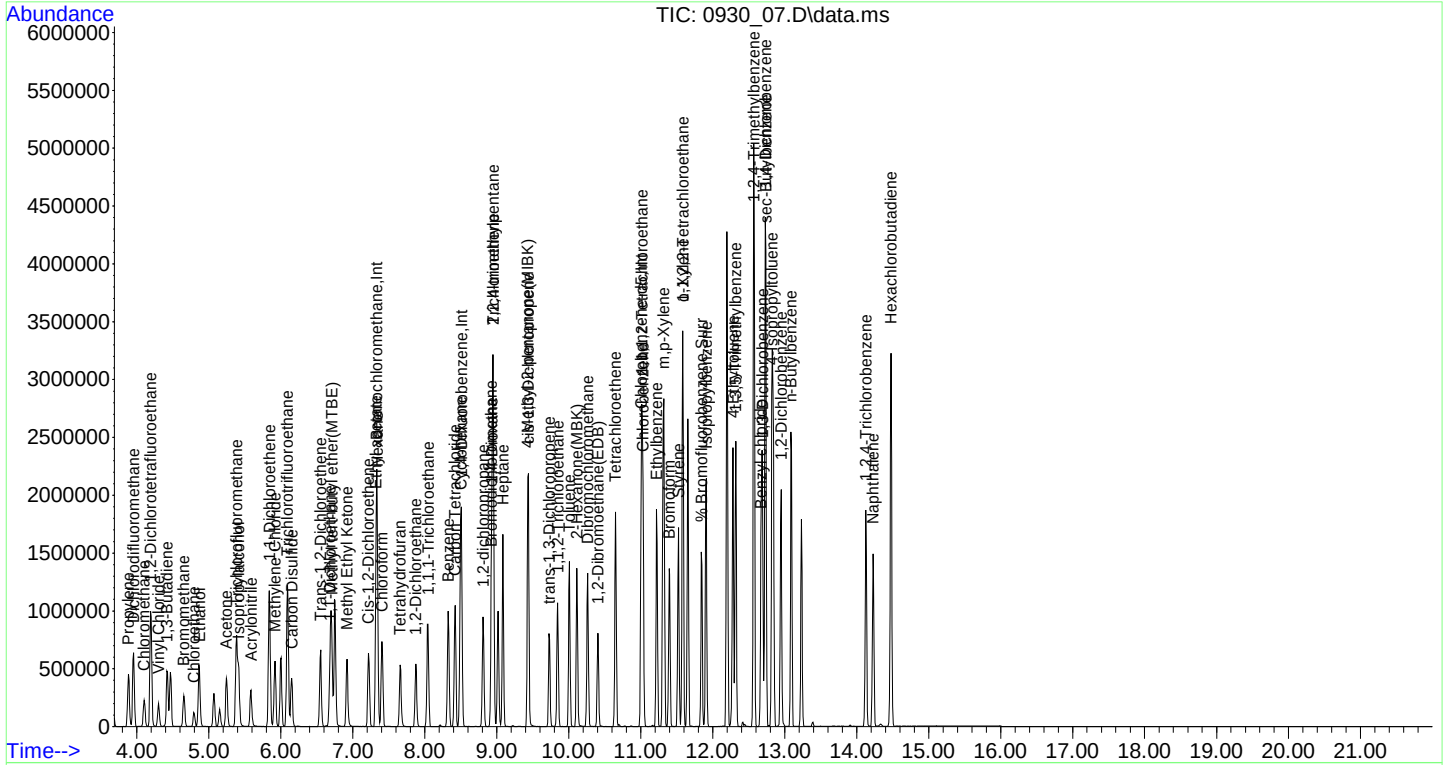
	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
112]	sec-Butylbenzene(sim)	12.574	105	1136483	11.284	ppbv	96
113]	4-Isopropyltoluene(sim)	12.822	119	1359249	10.948	ppbv	98
114]	1,2-Dichlorobenzene(sim)	12.946	146	701077	11.980	ppbv	99
115]	n-Butylbenzene(sim)	13.087	91	1194586	11.680	ppbv	96
116]	1,2,4-Trichlorobenzene...	14.131	180	518777	14.222	ppbv	98
118]	Hexachlorobutadiene(sim)	14.480	225	548192	16.420	ppbv	99

(#)out of range (m>manual integration reviewed by analyst (+)signals summed

(QT Reviewed)

Data Path : H:\AIR2025\CHEM39\09SEP\30\
Data File : 0930_07.D
Acq On : 30 Sep 2025 12:40 pm
Operator :
Client ID : CU37304 LCS
Lab ID : CU37304 LCS
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Sep 30 14:00:55 2025
Quant Method : H:\AIR2025\CHEM39\Methods\39_AIR_0920.M
Quant Title : VOA Standards for 5 point calibration
QLast Update : Tue Sep 23 14:45:11 2025
Response via : Initial Calibration



1
AIR ANALYSIS DATA SHEET

CLIENT ID

CU37304 BLANK

Client:	FPMGROUP	Lab:	Phoenix Env. Labs
SDG No.:	GCU37304	Lab Sample ID:	CU37304 BL
Canister:	BL	Lab File ID:	0930_08.D
Instrument:	CHEM39	Column:	TX-1 ; #10157
Date Received:	09/29/25		
Purge Volume	200	(cc)	09/30/25
Date Analyzed:	09/30/25		
Matrix:	AIR	Dilution Factor:	1

CONCENTRATION UNITS: (ppbv or ug/m3) ppbv

CAS NO.	COMPOUND	CONC.	Q	MDL	PQL	R
115-07-1	Propylene	0.580	U	0.580	0.580	r
75-71-8	Dichlorodifluoromethane	0.200	U	0.200	0.200	r
74-87-3	Chloromethane	0.480	U	0.480	0.480	r
106-99-0	1,3-Butadiene	0.450	U	0.450	0.450	r
75-00-3	Chloroethane	0.380	U	0.380	0.380	r
64-17-5	Ethanol	0.530	U	0.530	0.530	r
67-64-1	Acetone	0.420	U	0.420	0.420	r
67-63-0	Isopropylalcohol	0.410	U	0.410	0.410	r
107-13-1	Acrylonitrile	0.460	U	0.460	0.460	r
75-09-2	Methylene Chloride	0.860	U	0.860	0.860	r
75-15-0	Carbon Disulfide	0.320	U	0.320	0.320	r
1634-04-4	Methyl tert-butyl ether(MTBE)	0.280	U	0.280	0.280	r
78-93-3	Methyl Ethyl Ketone	0.340	U	0.340	0.340	r
110-54-3	Hexane	0.280	U	0.280	0.280	r
141-78-6	Ethyl acetate	0.280	U	0.280	0.280	r
109-99-9	Tetrahydrofuran	0.340	U	0.340	0.340	r
110-82-7	Cyclohexane	0.290	U	0.290	0.290	r
540-84-1	2,2,4-trimethylpentane	0.210	U	0.210	0.210	r
142-82-5	Heptane	0.240	U	0.240	0.240	r
108-10-1	4-Methyl-2-pentanone(MIBK)	0.240	U	0.240	0.240	r
10061-02-6	trans-1,3-Dichloropropene	0.220	U	0.220	0.220	r
108-88-3	Toluene	0.270	U	0.270	0.270	r
591-78-6	2-Hexanone(MBK)	0.240	U	0.240	0.240	r
630-20-6	1,1,1,2-Tetrachloroethane	0.150	U	0.150	0.150	r
108-90-7	Chlorobenzene	0.220	U	0.220	0.220	r
100-41-4	Ethylbenzene	0.230	U	0.230	0.230	r
100-42-5	Styrene	0.230	U	0.230	0.230	r
95-47-6	o-Xylene	0.230	U	0.230	0.230	r
98-82-8	Isopropylbenzene	0.200	U	0.200	0.200	r
622-96-8	4-Ethyltoluene	0.200	U	0.200	0.200	r
108-67-8	1,3,5-Trimethylbenzene	0.200	U	0.200	0.200	r
95-63-6	1,2,4-Trimethylbenzene	0.200	U	0.200	0.200	r
91-20-3	Naphthalene	0.200	U	0.200	0.200	r
76-14-2	1,2-Dichlorotetrafluoroethane(sim)	0.140	U	0.140	0.140	r
75-01-4	Vinyl Chloride(sim)	0.078	U	0.078	0.078	r
74-83-9	Bromomethane(sim)	0.260	U	0.260	0.260	r

FORM I AIR

r=Result Reported U=Not Detected D=Reported Dilution E/J=Estimated Value X=Not Used S=Lab Solvent

1
AIR ANALYSIS DATA SHEET

CLIENT ID

CU37304 BLANK

Client:	FPMGROUP	Lab:	Phoenix Env. Labs
SDG No.:	GCU37304	Lab Sample ID:	CU37304 BL
Canister:	BL	Lab File ID:	0930_08.D
Instrument:	CHEM39	Column:	TX-1 ; #10157
Purge Volume	200	(cc)	09/29/25
Matrix:	AIR	Date Analyzed:	09/30/25
		Dilution Factor:	1

CONCENTRATION UNITS: (ppbv or ug/m3) ppbv

CAS NO.	COMPOUND	CONC.	Q	MDL	PQL	R
75-69-4	Trichlorofluoromethane(sim)	0.180	U	0.180	0.180	r
107-06-2	1,2-Dichloroethane(sim)	0.250	U	0.250	0.250	r
71-55-6	1,1,1-Trichloroethane(sim)	0.180	U	0.180	0.180	r
71-43-2	Benzene(sim)	0.310	U	0.310	0.310	r
56-23-5	Carbon Tetrachloride(sim)	0.032	U	0.032	0.032	r
75-35-4	1,1-Dichloroethene(sim)	0.050	U	0.050	0.050	r
76-13-1	Trichlorotrifluoroethane(sim)	0.130	U	0.130	0.130	r
156-60-5	Trans-1,2-Dichloroethene(sim)	0.250	U	0.250	0.250	r
75-34-3	1,1-Dichloroethane(sim)	0.250	U	0.250	0.250	r
156-59-2	Cis-1,2-Dichloroethene(sim)	0.050	U	0.050	0.050	r
67-66-3	Chloroform(sim)	0.200	U	0.200	0.200	r
78-87-5	1,2-dichloropropane(sim)	0.220	U	0.220	0.220	r
75-27-4	Bromodichloromethane(sim)	0.150	U	0.150	0.150	r
79-01-6	Trichloroethene(sim)	0.037	U	0.037	0.037	r
123-91-1	1,4-Dioxane(sim)	0.280	U	0.280	0.280	r
10061-01-5	cis-1,3-Dichloropropene(sim)	0.220	U	0.220	0.220	r
79-00-5	1,1,2-Trichloroethane(sim)	0.180	U	0.180	0.180	r
124-48-1	Dibromochloromethane(sim)	0.120	U	0.120	0.120	r
106-93-4	1,2-Dibromoethane(EDB)(sim)	0.130	U	0.130	0.130	r
127-18-4	Tetrachloroethene(sim)	0.037	U	0.037	0.037	r
75-25-2	Bromoform(sim)	0.097	U	0.097	0.097	r
179601-23-1	m,p-Xylene(sim)	0.230	U	0.230	0.230	r
79-34-5	1,1,2,2-Tetrachloroethane(sim)	0.150	U	0.150	0.150	r
100-44-7	Benzyl chloride(sim)	0.190	U	0.190	0.190	r
541-73-1	1,3-Dichlorobenzene(sim)	0.170	U	0.170	0.170	r
106-46-7	1,4-Dichlorobenzene(sim)	0.170	U	0.170	0.170	r
135-98-8	sec-Butylbenzene(sim)	0.180	U	0.180	0.180	r
99-87-6	4-Isopropyltoluene(sim)	0.180	U	0.180	0.180	r
95-50-1	1,2-Dichlorobenzene(sim)	0.170	U	0.170	0.170	r
104-51-8	n-Butylbenzene(sim)	0.180	U	0.180	0.180	r
120-82-1	1,2,4-Trichlorobenzene(sim)	0.130	U	0.130	0.130	r
87-68-3	Hexachlorobutadiene(sim)	0.094	U	0.094	0.094	r

FORM I AIR

r=Result Reported U=Not Detected D=Reported Dilution E/J=Estimated Value X=Not Used S=Lab Solvent

Data Path : H:\AIR2025\CHEM39\09SEP\30\
Data File : 0930_08.D
Acq On : 30 Sep 2025 1:15 pm
Operator :
Client ID : CU37304 BLANK
Lab ID : CU37304 BLANK
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Sep 30 14:01:29 2025
Quant Method : H:\AIR2025\CHEM39\Methods\39_AIR_0920.M
Quant Title : VOA Standards for 5 point calibration
QLast Update : Tue Sep 23 14:45:11 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Bromochloromethane	7.332	130	191514	10.000	ng	0.00
36) 1,4-Difluorobenzene	8.507	114	717654	10.000	ng	0.00
53) Chlorobenzene-d5	11.008	82	316913	10.000	ng	0.00
80) Bromochloromethane(sim)	7.335	130	183026	10.000	ng	# 0.00
95) 1,4-Difluorobenzene(sim)	8.507	114	717654	10.000	ng	0.00
105) Chlorobenzene-d5(sim)	11.008	82	316913	10.000	ng	0.00

System Monitoring Compounds

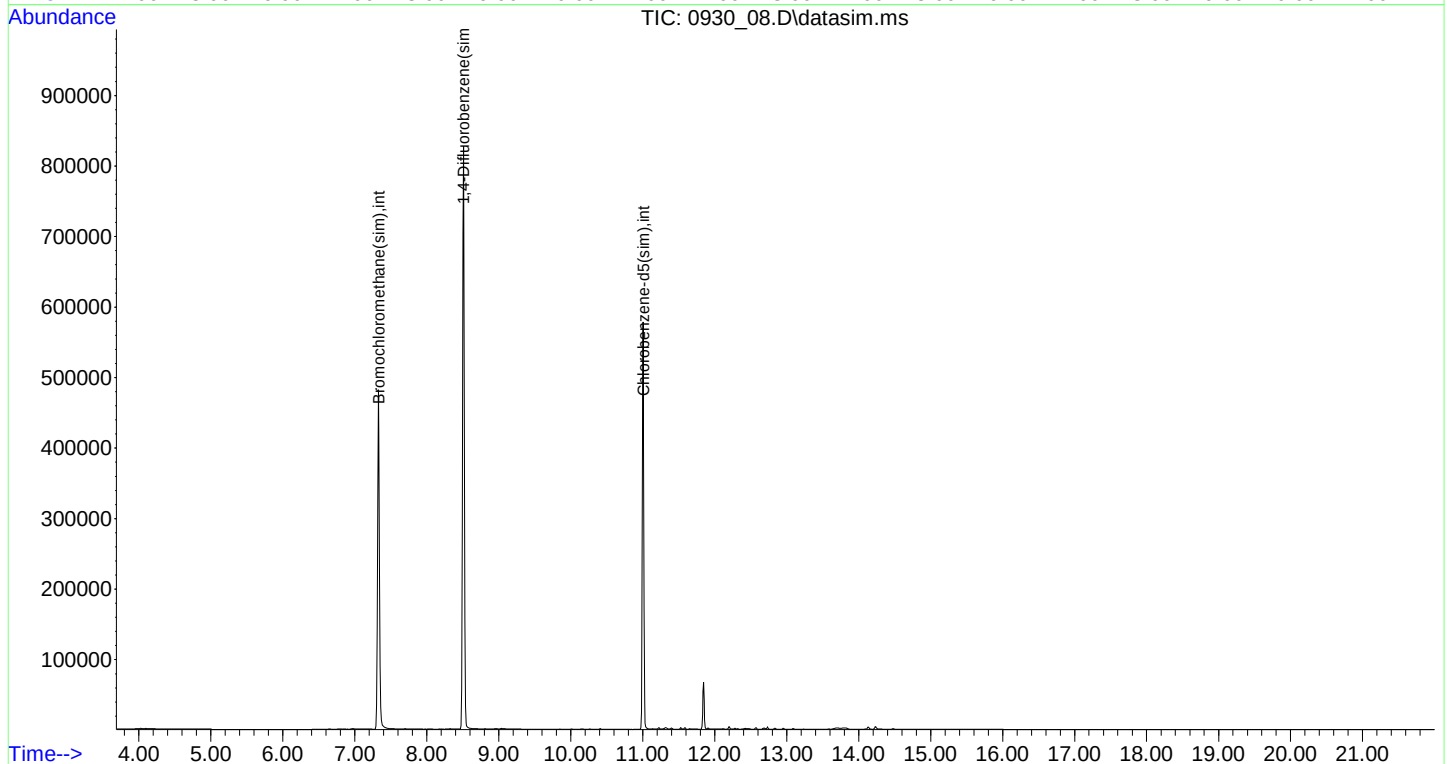
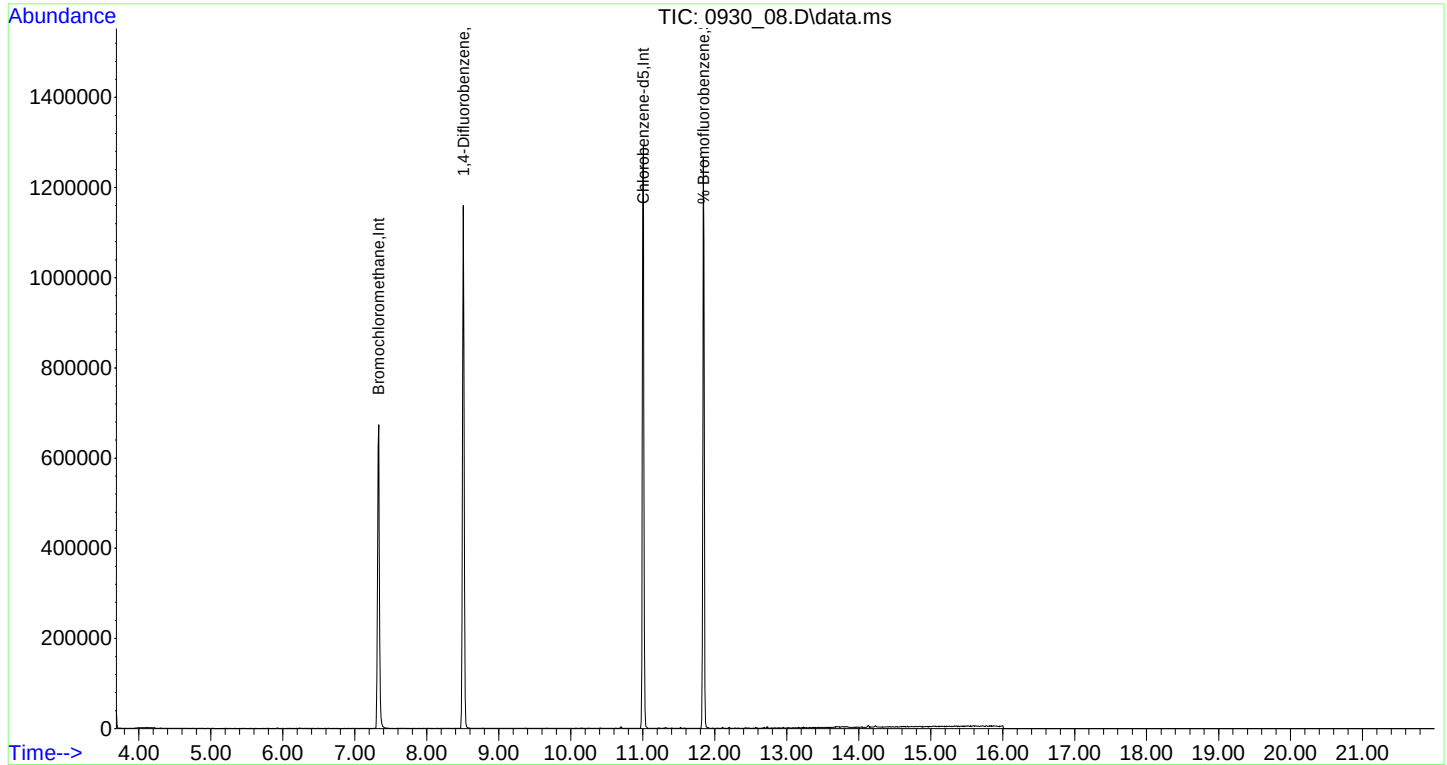
62) % Bromofluorobenzene	11.842	95	327909	7.969	ppbv	0.00
Spiked Amount	10.000	Range	70 - 130	Recovery	=	79.70%

Target Compounds	Qvalue

(#)out of range (m)manual integration reviewed by analyst (+)signals summed

Data Path : H:\AIR2025\CHEM39\09SEP\30\
Data File : 0930_08.D
Acq On : 30 Sep 2025 1:15 pm
Operator :
Client ID : CU37304 BLANK
Lab ID : CU37304 BLANK
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Sep 30 14:01:29 2025
Quant Method : H:\AIR2025\CHEM39\Methods\39_AIR_0920.M
Quant Title : VOA Standards for 5 point calibration
QLast Update : Tue Sep 23 14:45:11 2025
Response via : Initial Calibration



1
AIR ANALYSIS DATA SHEET

CLIENT ID

Client:	<u>FPMGROUP</u>	Lab:	<u>Phoenix Env. Labs</u>	CV-IA-1 DUP
SDG No.:	<u>GCU37304</u>	Lab Sample ID:	<u>CU37304 DUP</u>	
Canister:	<u>13652</u>	Lab File ID:	<u>0930_13.D</u>	
Instrument:	<u>CHEM39</u>	Column:	<u>TX-1 ; #10157</u>	Date Received:
				<u>09/29/25</u>
Purge Volume	<u>200</u> (cc)	Date Analyzed:	<u>09/30/25</u>	
Matrix:	<u>AIR</u>	Dilution Factor:	<u>1</u>	

CONCENTRATION UNITS: (ppbv or ug/m3) ppbv

CAS NO.	COMPOUND	CONC.	Q	MDL	PQL	R
115-07-1	Propylene	0.581	U	0.581	0.581	r
75-71-8	Dichlorodifluoromethane	0.514		0.202	0.202	r
74-87-3	Chloromethane	0.718		0.485	0.485	r
106-99-0	1,3-Butadiene	0.452	U	0.452	0.452	r
75-00-3	Chloroethane	0.379	U	0.379	0.379	r
64-17-5	Ethanol	1130	S	0.531	0.531	r
67-64-1	Acetone	32.9	S	0.421	0.421	r
75-69-4	Trichlorofluoromethane	0.227		0.178	0.178	r
67-63-0	Isopropylalcohol	642	S	0.407	0.407	r
107-13-1	Acrylonitrile	0.461	U	0.461	0.461	r
75-09-2	Methylene Chloride	0.863	U	0.863	0.863	r
75-15-0	Carbon Disulfide	0.321	U	0.321	0.321	r
1634-04-4	Methyl tert-butyl ether(MTBE)	0.278	U	0.278	0.278	r
78-93-3	Methyl Ethyl Ketone	0.646		0.339	0.339	r
110-54-3	Hexane	0.284	U	0.284	0.284	r
141-78-6	Ethyl acetate	1.36		0.278	0.278	r
109-99-9	Tetrahydrofuran	0.339	U	0.339	0.339	r
110-82-7	Cyclohexane	0.291	U	0.291	0.291	r
540-84-1	2,2,4-trimethylpentane	0.215	U	0.215	0.215	r
142-82-5	Heptane	0.244	U	0.244	0.244	r
108-10-1	4-Methyl-2-pentanone(MIBK)	0.244	U	0.244	0.244	r
10061-02-6	trans-1,3-Dichloropropene	0.220	U	0.220	0.220	r
108-88-3	Toluene	0.974		0.266	0.266	r
591-78-6	2-Hexanone(MBK)	0.244	U	0.244	0.244	r
630-20-6	1,1,1,2-Tetrachloroethane	0.146	U	0.146	0.146	r
108-90-7	Chlorobenzene	0.217	U	0.217	0.217	r
100-41-4	Ethylbenzene	0.230	U	0.230	0.230	r
100-42-5	Styrene	0.235	U	0.235	0.235	r
95-47-6	o-Xylene	0.230	U	0.230	0.230	r
98-82-8	Isopropylbenzene	0.204	U	0.204	0.204	r
622-96-8	4-Ethyltoluene	0.204	U	0.204	0.204	r
108-67-8	1,3,5-Trimethylbenzene	0.204	U	0.204	0.204	r
95-63-6	1,2,4-Trimethylbenzene	0.204	U	0.204	0.204	r
91-20-3	Naphthalene	0.200	U	0.200	0.200	r
76-14-2	1,2-Dichlorotetrafluoroethane(sim)	0.143	U	0.143	0.143	r
75-01-4	Vinyl Chloride(sim)	0.078	U	0.078	0.078	r

FORM I AIR

r=Result Reported U=Not Detected D=Reported Dilution E/J=Estimated Value X=Not Used S=Lab Solvent

1
AIR ANALYSIS DATA SHEET

CLIENT ID

Client:	FPMGROUP	Lab:	Phoenix Env. Labs
SDG No.:	GCU37304	Lab Sample ID:	CU37304 DUP
Canister:	13652	Lab File ID:	0930_13.D
Instrument:	CHEM39	Column:	TX-1 ; #10157
Purge Volume	200	(cc)	09/29/25
Matrix:	AIR	Dilution Factor:	1

CONCENTRATION UNITS: (ppbv or ug/m3) ppbv

CAS NO.	COMPOUND	CONC.	Q	MDL	PQL	R
74-83-9	Bromomethane(sim)	0.258	U	0.258	0.258	r
107-06-2	1,2-Dichloroethane(sim)	0.247	U	0.247	0.247	r
71-55-6	1,1,1-Trichloroethane(sim)	0.183	U	0.183	0.183	r
71-43-2	Benzene(sim)	0.313	U	0.313	0.313	r
56-23-5	Carbon Tetrachloride(sim)	0.074		0.032	0.032	r
75-35-4	1,1-Dichloroethene(sim)	0.051	U	0.051	0.051	r
76-13-1	Trichlorotrifluoroethane(sim)	0.131	U	0.131	0.131	r
156-60-5	Trans-1,2-Dichloroethene(sim)	0.252	U	0.252	0.252	r
75-34-3	1,1-Dichloroethane(sim)	0.247	U	0.247	0.247	r
156-59-2	Cis-1,2-Dichloroethene(sim)	0.051	U	0.051	0.051	r
67-66-3	Chloroform(sim)	0.205	U	0.205	0.205	r
78-87-5	1,2-dichloropropane(sim)	0.217	U	0.217	0.217	r
75-27-4	Bromodichloromethane(sim)	0.149	U	0.149	0.149	r
79-01-6	Trichloroethene(sim)	0.037	U	0.037	0.037	r
123-91-1	1,4-Dioxane(sim)	0.278	U	0.278	0.278	r
10061-01-5	cis-1,3-Dichloropropene(sim)	0.220	U	0.220	0.220	r
79-00-5	1,1,2-Trichloroethane(sim)	0.183	U	0.183	0.183	r
124-48-1	Dibromochloromethane(sim)	0.117	U	0.117	0.117	r
106-93-4	1,2-Dibromoethane(EDB)(sim)	0.130	U	0.130	0.130	r
127-18-4	Tetrachloroethene(sim)	0.063		0.037	0.037	r
75-25-2	Bromoform(sim)	0.097	U	0.097	0.097	r
179601-23-1	m,p-Xylene(sim)	0.253		0.230	0.230	r
79-34-5	1,1,2,2-Tetrachloroethane(sim)	0.146	U	0.146	0.146	r
100-44-7	Benzyl chloride(sim)	0.193	U	0.193	0.193	r
541-73-1	1,3-Dichlorobenzene(sim)	0.166	U	0.166	0.166	r
106-46-7	1,4-Dichlorobenzene(sim)	0.166	U	0.166	0.166	r
135-98-8	sec-Butylbenzene(sim)	0.182	U	0.182	0.182	r
99-87-6	4-Isopropyltoluene(sim)	0.182	U	0.182	0.182	r
95-50-1	1,2-Dichlorobenzene(sim)	0.166	U	0.166	0.166	r
104-51-8	n-Butylbenzene(sim)	0.182	U	0.182	0.182	r
120-82-1	1,2,4-Trichlorobenzene(sim)	0.135	U	0.135	0.135	r
87-68-3	Hexachlorobutadiene(sim)	0.094	U	0.094	0.094	r

FORM I AIR

r=Result Reported U=Not Detected D=Reported Dilution E/J=Estimated Value X=Not Used S=Lab Solvent

Data Path : H:\AIR2025\CHEM39\09SEP\30\
 Data File : 0930_13.D
 Acq On : 30 Sep 2025 4:41 pm
 Operator :
 Client ID : CV-IA-1 DUP
 Lab ID : CU37304 DUP
 ALS Vial : 5 Sample Multiplier: 1

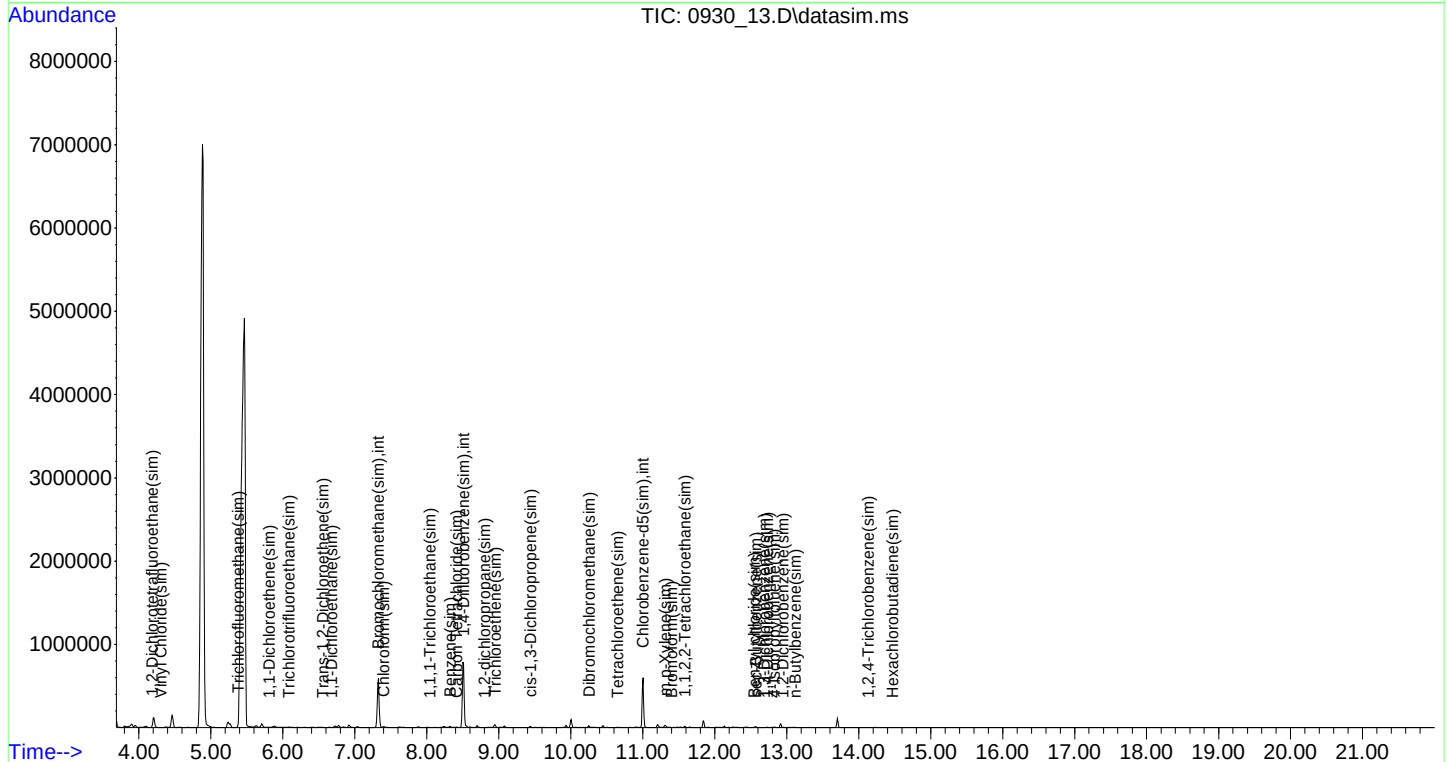
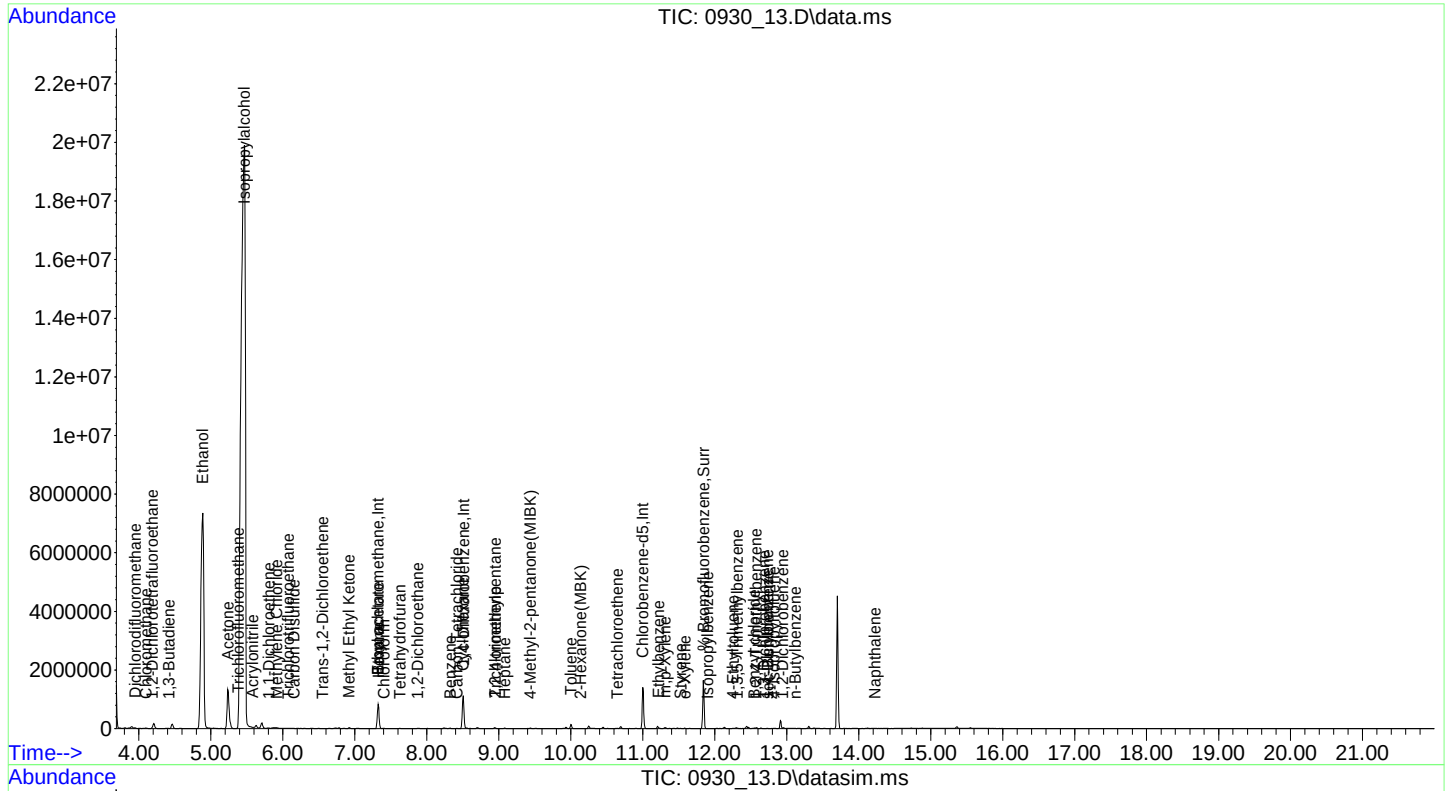
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 Quant Method : H:\AIR2025\CHEM39\Methods\39_AIR_0920.M
 Quant Title : VOA Standards for 5 point calibration
 QLast Update : Tue Sep 23 14:45:11 2025
 Response via : Initial Calibration

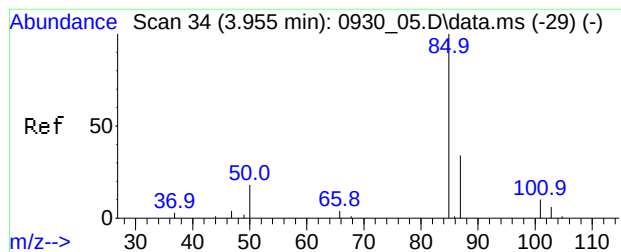
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	7.324	130	186977	10.000	ng	0.00
36) 1,4-Difluorobenzene	8.507	114	704191	10.000	ng	0.00
53) Chlorobenzene-d5	11.001	82	329234	10.000	ng	0.00
80) Bromochloromethane(sim)	7.327	130	181637	10.000	ng	# 0.00
95) 1,4-Difluorobenzene(sim)	8.507	114	704191	10.000	ng	0.00
105) Chlorobenzene-d5(sim)	11.001	82	329234	10.000	ng	0.00
System Monitoring Compounds						
62) % Bromofluorobenzene	11.842	95	410432	9.601	ppbv	0.00
Spiked Amount	10.000	Range 70 - 130	Recovery	=	96.00%	
Target Compounds						
					Qvalue	
3) Dichlorodifluoromethane	3.947	85	24112	0.514	ppbv#	96
4) Chloromethane	4.102	50	17951	0.718	ppbv	98
11) Ethanol	4.888	45	10284072	1133.382	ppbv	94
12) Acetone	5.237	43	1683094	32.892	ppbv	97
13) Trichlorofluoromethane	5.378	101	12253	0.227	ppbv	99
14) Isopropylalcohol	5.464	45	34877503	641.561	ppbv#	51
17) Methylene Chloride	5.913	49	12075	0.316	ppbv	90
25) Methyl Ethyl Ketone	6.918	43	43772	0.646	ppbv#	94
29) Ethyl acetate	7.324	61	11684	1.359	ppbv	89
34) Carbon Tetrachloride	8.421	117	3816	0.079	ppbv	91
48) Toluene	10.002	91	73370	0.974	ppbv	99
52) Tetrachloroethene	10.649	166	2099	0.057	ppbv	91
57) m,p-Xylene	11.311	91	18795	0.275	ppbv	94
84] Trichlorofluoromethane...	5.381	101	12610	0.224	ppbv#	99
88] Carbon Tetrachloride(sim)	8.415	117	3552	0.074	ppbv	97
104] Tetrachloroethene(sim)	10.652	166	2280	0.063	ppbv	96
107] m,p-Xylene(sim)	11.311	91	18795	0.253	ppbv#	93

(#)out of range (m)manual integration reviewed by analyst (+)signals summed

Data Path : H:\AIR2025\CHEM39\09SEP\30\
Data File : 0930_13.D
Acq On : 30 Sep 2025 4:41 pm
Operator :
Client ID : CV-IA-1 DUP
Lab ID : CU37304 DUP
ALS Vial : 5 Sample Multiplier: 1

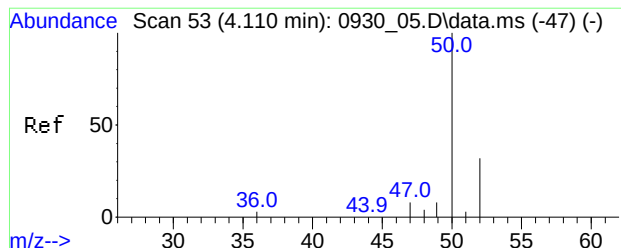
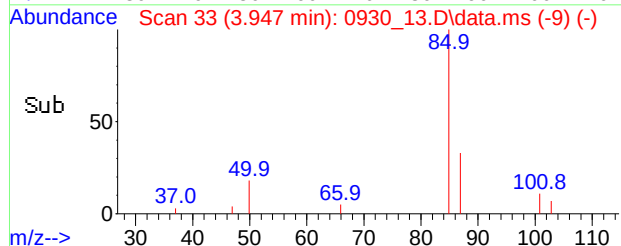
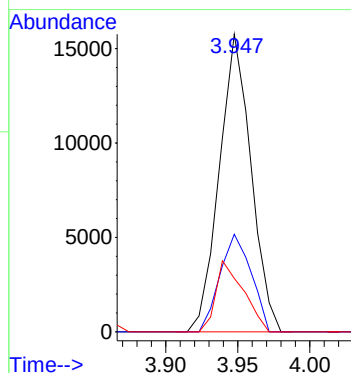
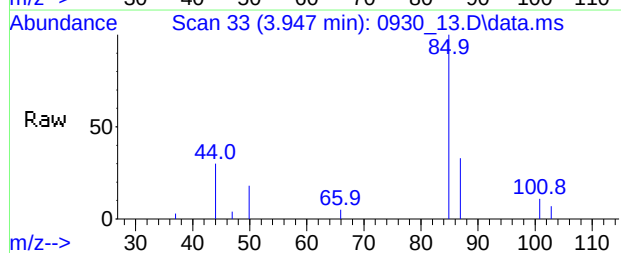
Quant Time: Oct 01 04:49:05 2025
Quant Method : H:\AIR2025\CHEM39\Methods\39_AIR_0920.M
Quant Title : VOA Standards for 5 point calibration
QLast Update : Tue Sep 23 14:45:11 2025
Response via : Initial Calibration





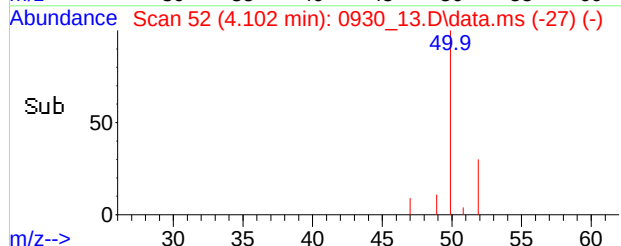
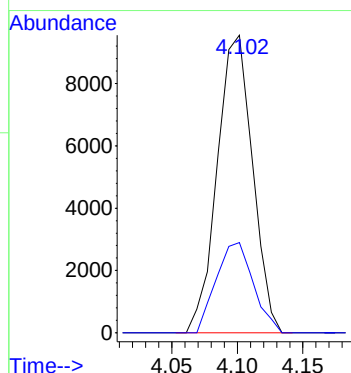
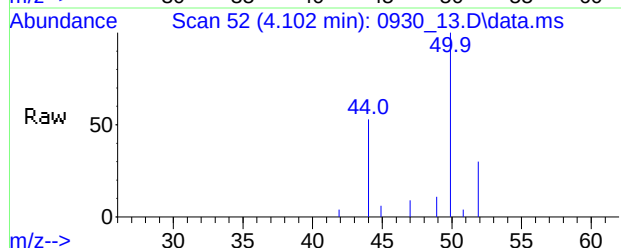
#3
Dichlorodifluoromethane
Conc: 8\$ 0.514 ppbv
RT: 3.947 min Scan# 33
Delta R.T. -0.009 min
Lab File: 0930_13.D
Acq: 30 Sep 2025 4:41 pm

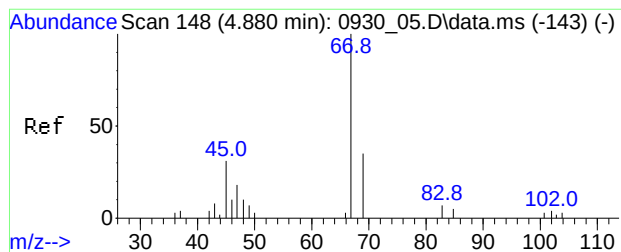
Tgt Ion: 85 Resp: 24112
Ion Ratio Lower Upper
85 100
87 32.3 25.4 38.2
50 20.8 13.1 19.7#



#4
Chloromethane
Conc: 8\$ 0.718 ppbv
RT: 4.102 min Scan# 52
Delta R.T. -0.000 min
Lab File: 0930_13.D
Acq: 30 Sep 2025 4:41 pm

Tgt Ion: 50 Resp: 17951
Ion Ratio Lower Upper
50 100
52 31.9 11.0 51.0

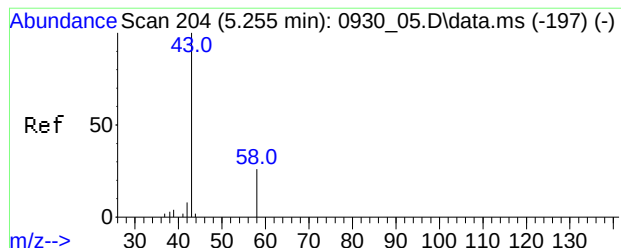
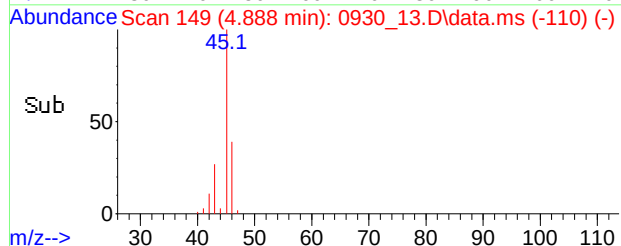
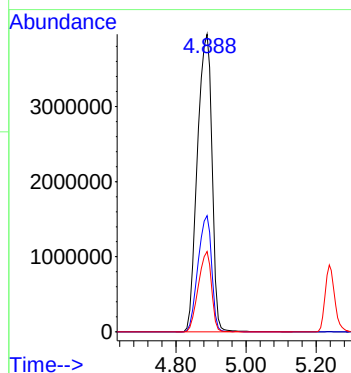
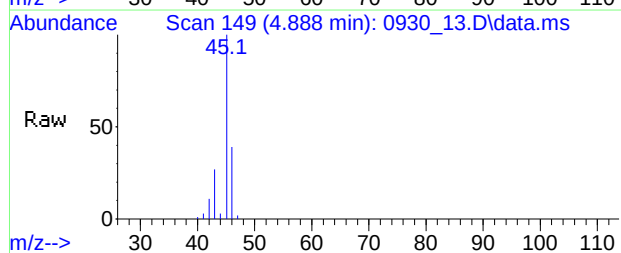




#11
Ethanol
Conc: 8\$ 1133.382 ppbv
RT: 4.888 min Scan# 149
Delta R.T. 0.016 min
Lab File: 0930_13.D
Acq: 30 Sep 2025 4:41 pm

Tgt Ion: 45 Resp: 10284072

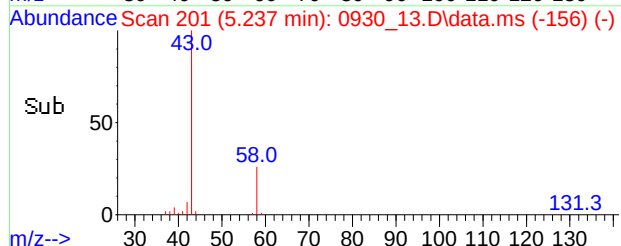
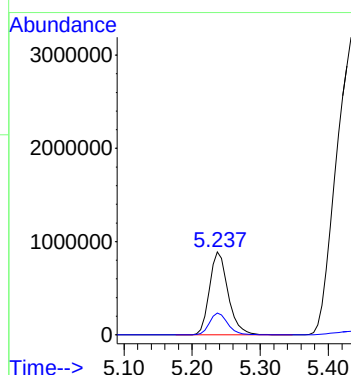
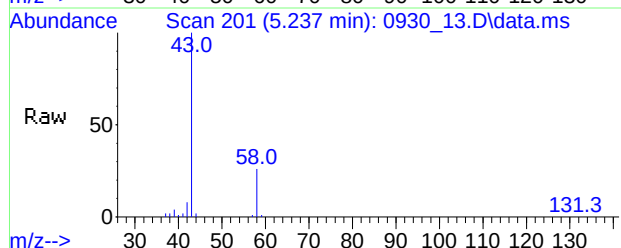
Ion	Ratio	Lower	Upper
45	100		
46	37.6	25.4	38.0
43	26.2	21.2	31.8

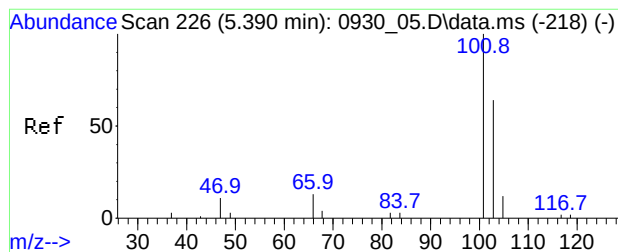


#12
Acetone
Conc: 8\$ 32.892 ppbv
RT: 5.237 min Scan# 201
Delta R.T. -0.006 min
Lab File: 0930_13.D
Acq: 30 Sep 2025 4:41 pm

Tgt Ion: 43 Resp: 1683094

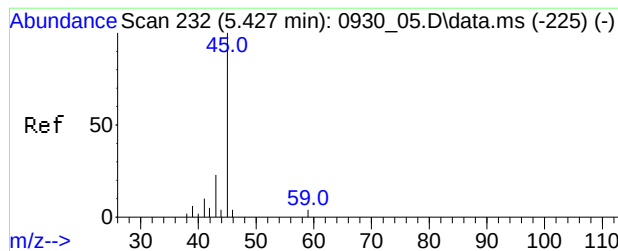
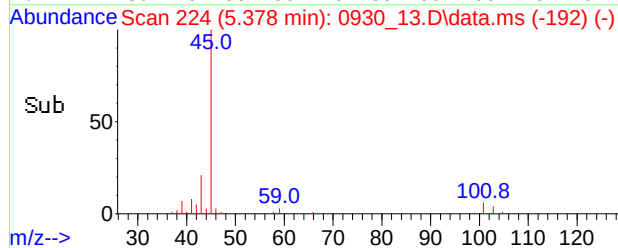
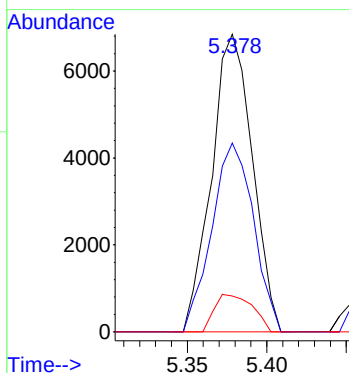
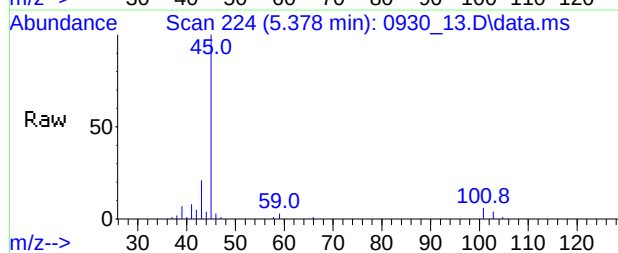
Ion	Ratio	Lower	Upper
43	100		
58	25.5	21.8	32.6





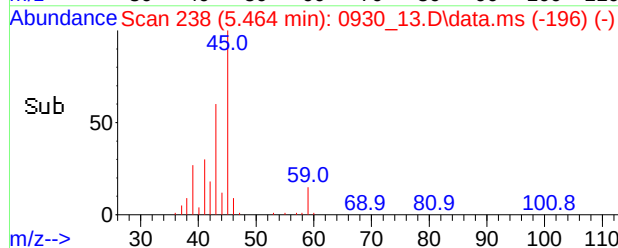
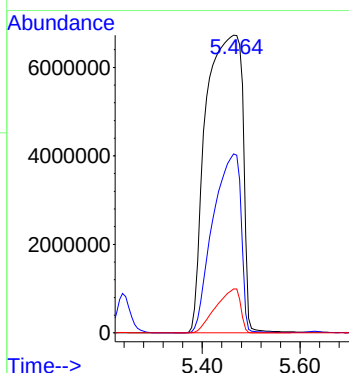
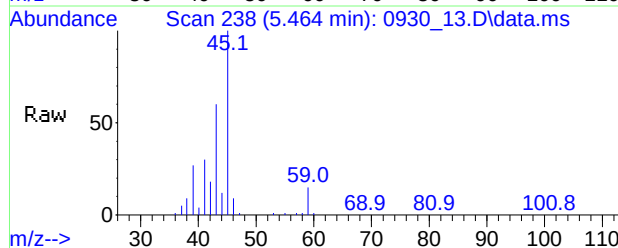
#13
Trichlorofluoromethane
Conc: 8\$ 0.227 ppbv
RT: 5.378 min Scan# 224
Delta R.T. -0.006 min
Lab File: 0930_13.D
Acq: 30 Sep 2025 4:41 pm

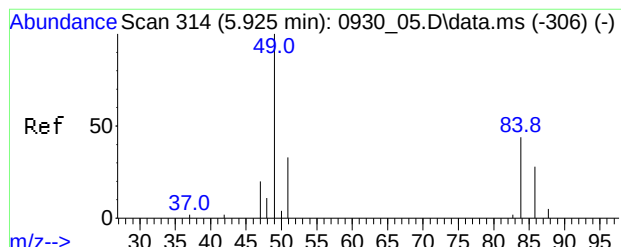
Tgt Ion:	101	Resp:	12253
Ion	Ratio	Lower	Upper
101	100		
103	64.8	51.3	76.9
66	11.7	10.7	16.1



#14
Isopropylalcohol
Conc: 8\$ 641.561 ppbv
RT: 5.464 min Scan# 238
Delta R.T. 0.055 min
Lab File: 0930_13.D
Acq: 30 Sep 2025 4:41 pm

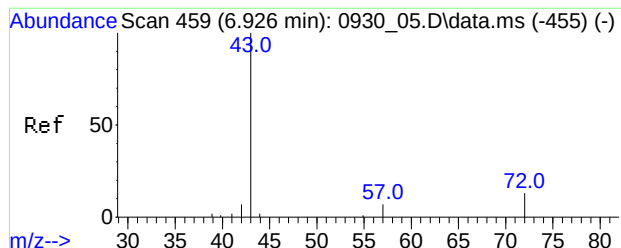
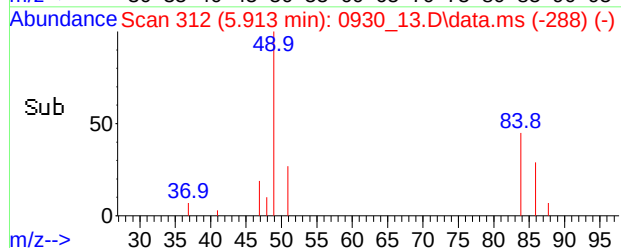
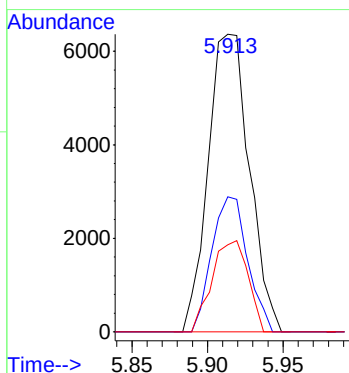
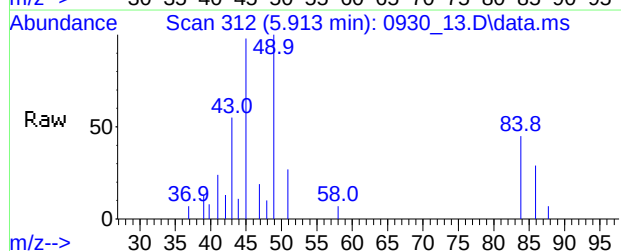
Tgt Ion:	45	Resp:	34877503
Ion	Ratio	Lower	Upper
45	100		
43	46.1	16.8	25.2#
59	10.0	2.8	4.2#





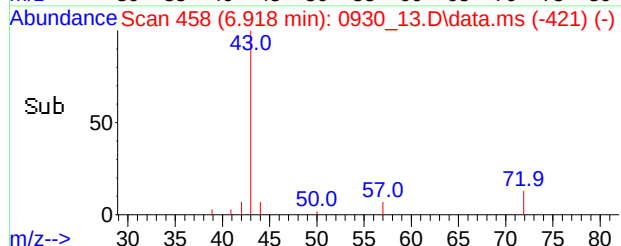
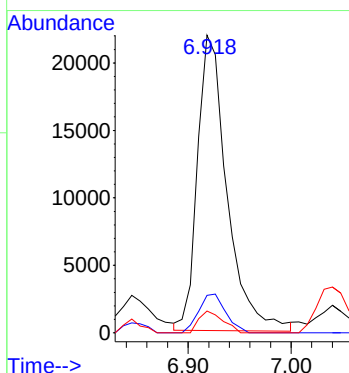
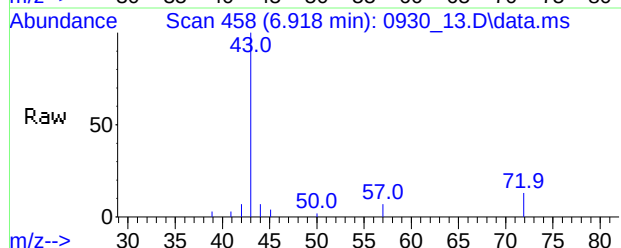
#17
Methylene Chloride
Conc: 8\$ 0.316 ppbv
RT: 5.913 min Scan# 312
Delta R.T. -0.006 min
Lab File: 0930_13.D
Acq: 30 Sep 2025 4:41 pm

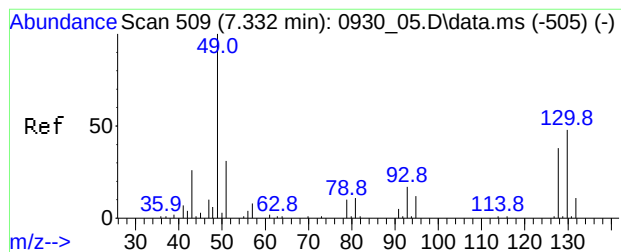
Tgt Ion: 49 Resp: 12075
Ion Ratio Lower Upper
49 100
84 39.3 37.4 56.0
86 26.7 24.4 36.6



#25
Methyl Ethyl Ketone
Conc: 8\$ 0.646 ppbv
RT: 6.918 min Scan# 458
Delta R.T. 0.000 min
Lab File: 0930_13.D
Acq: 30 Sep 2025 4:41 pm

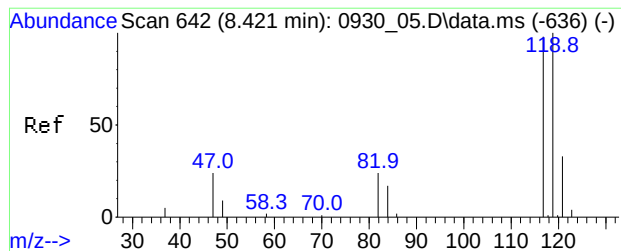
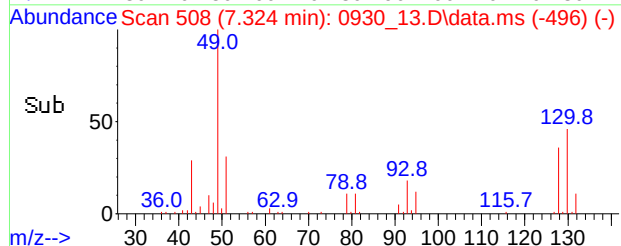
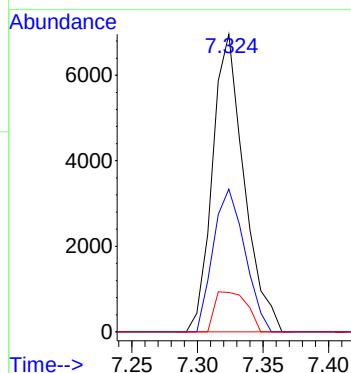
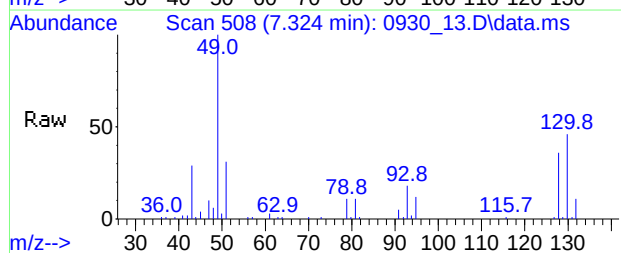
Tgt Ion: 43 Resp: 43772
Ion Ratio Lower Upper
43 100
72 12.0 11.6 17.4
57 5.9 6.0 9.0#





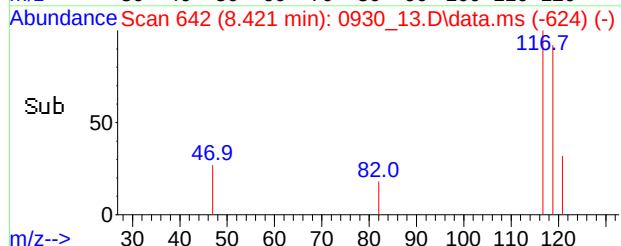
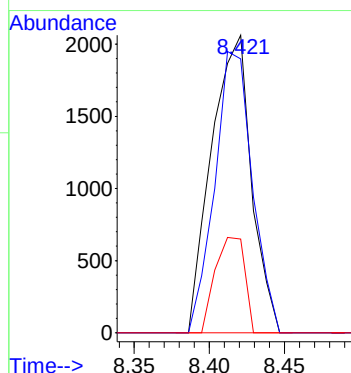
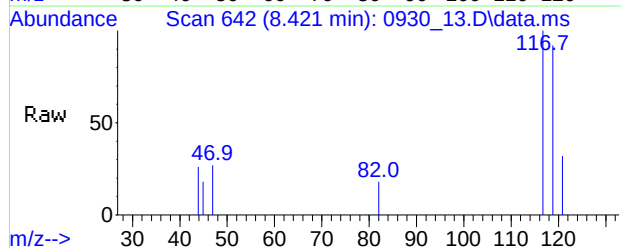
#29
Ethyl acetate
Conc: 8\$ 1.359 ppbv
RT: 7.324 min Scan# 508
Delta R.T. -0.000 min
Lab File: 0930_13.D
Acq: 30 Sep 2025 4:41 pm

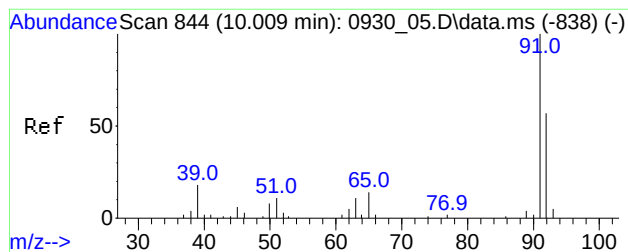
Tgt Ion: 61 Resp: 11684
Ion Ratio Lower Upper
61 100
70 48.2 46.3 69.5
88 13.7 12.4 18.6



#34
Carbon Tetrachloride
Conc: 8\$ Below Cal
RT: 8.421 min Scan# 642
Delta R.T. 0.009 min
Lab File: 0930_13.D
Acq: 30 Sep 2025 4:41 pm

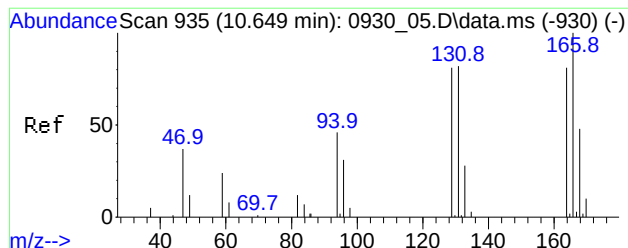
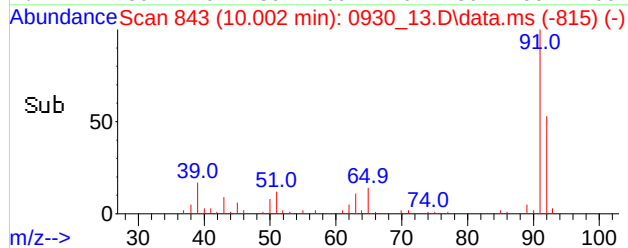
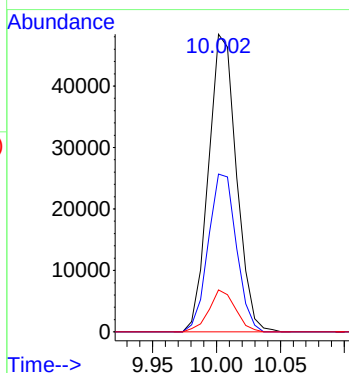
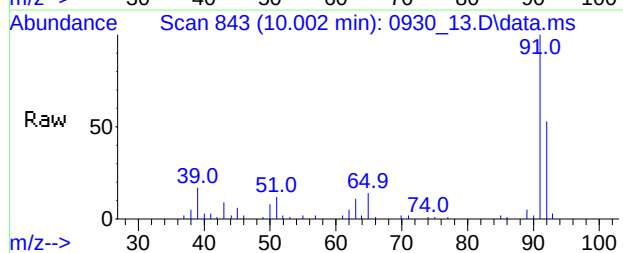
Tgt Ion: 117 Resp: 3816
Ion Ratio Lower Upper
117 100
119 89.2 75.8 115.8
121 23.7 11.5 51.5





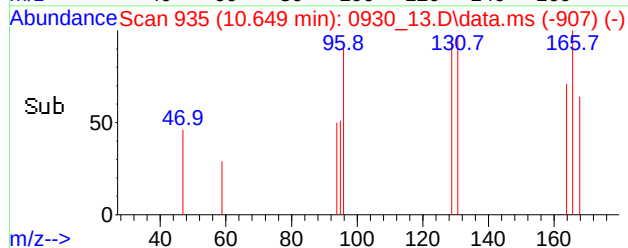
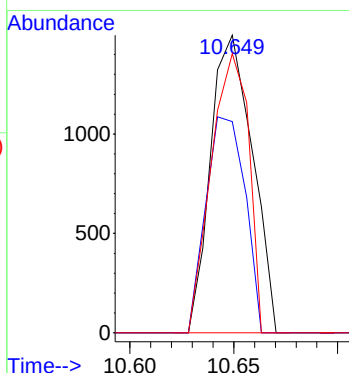
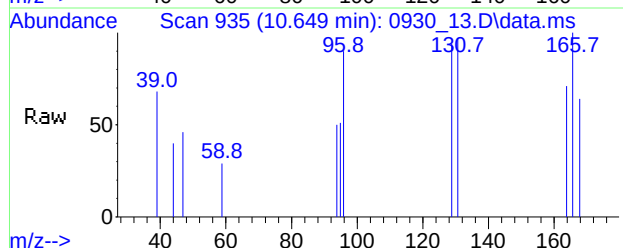
#48
Toluene
Conc: 8\$ 0.974 ppbv
RT: 10.002 min Scan# 843
Delta R.T. -0.000 min
Lab File: 0930_13.D
Acq: 30 Sep 2025 4:41 pm

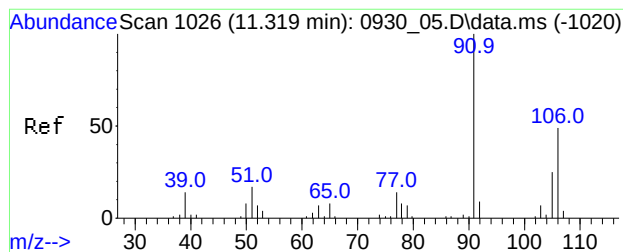
Tgt Ion: 91 Resp: 73370
Ion Ratio Lower Upper
91 100
92 53.4 42.6 63.8
65 13.4 10.0 15.0



#52
Tetrachloroethene
Conc: 8\$ Below Cal
RT: 10.649 min Scan# 935
Delta R.T. 0.000 min
Lab File: 0930_13.D
Acq: 30 Sep 2025 4:41 pm

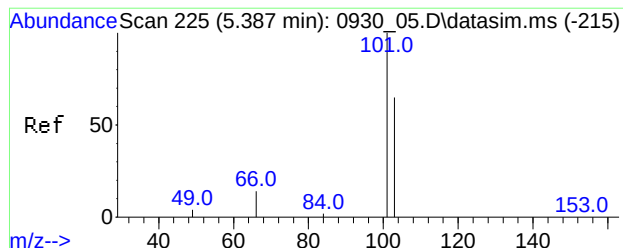
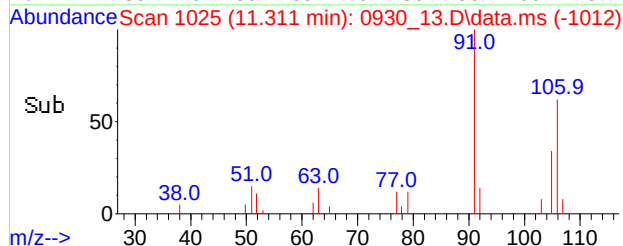
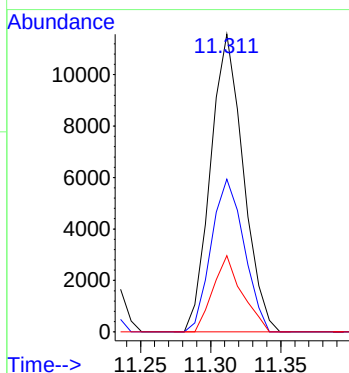
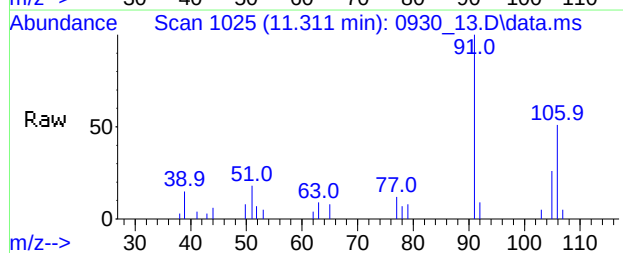
Tgt Ion: 166 Resp: 2099
Ion Ratio Lower Upper
166 100
164 67.7 61.8 92.8
129 84.1 62.3 93.5





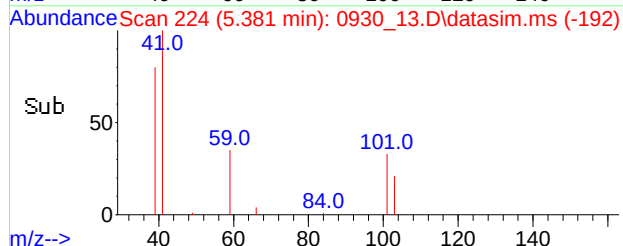
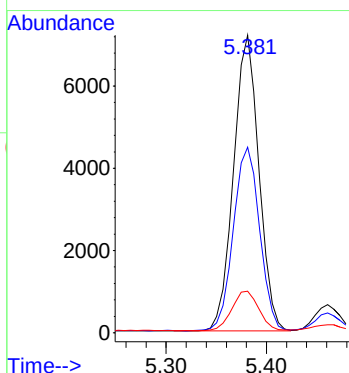
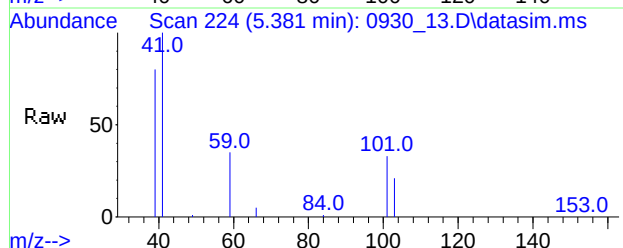
#57
m,p-Xylene
Conc: 8\$ 0.275 ppbv
RT: 11.311 min Scan# 1025
Delta R.T. 0.000 min
Lab File: 0930_13.D
Acq: 30 Sep 2025 4:41 pm

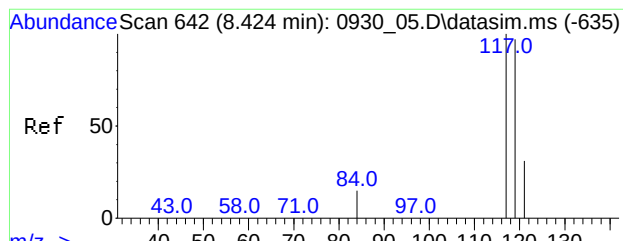
Tgt Ion: 91 Resp: 18795
Ion Ratio Lower Upper
91 100
106 51.4 36.7 55.1
105 22.6 19.2 28.8



#84
Trichlorofluoromethane(sim)
Conc: 8\$ 0.224 ppbv
RT: 5.381 min Scan# 224
Delta R.T. -0.006 min
Lab File: 0930_13.D
Acq: 30 Sep 2025 4:41 pm

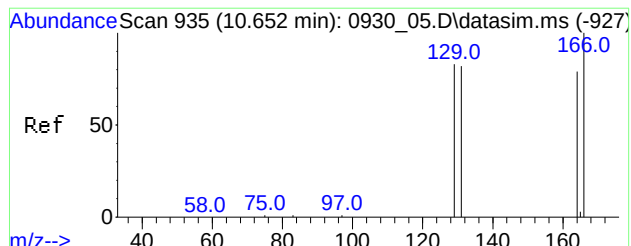
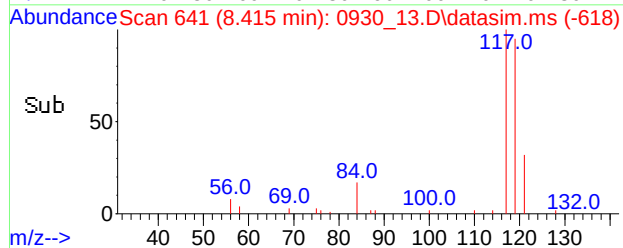
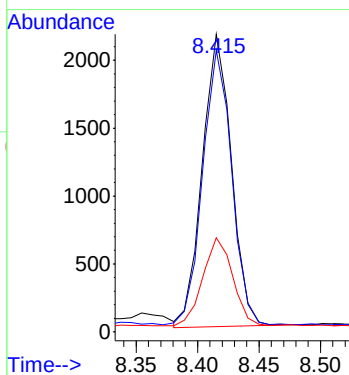
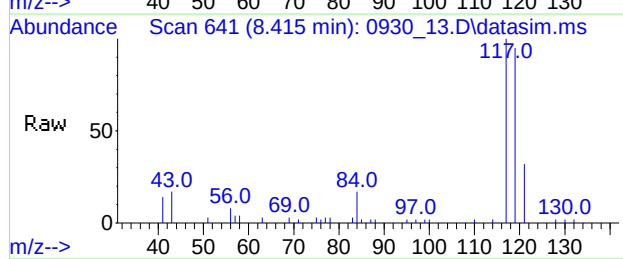
Tgt Ion: 101 Resp: 12610
Ion Ratio Lower Upper
101 100
103 64.2 51.8 77.6
66 14.1 13.2 13.2#





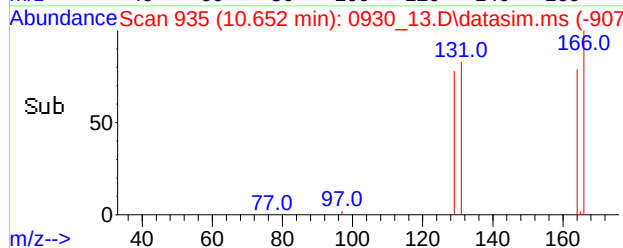
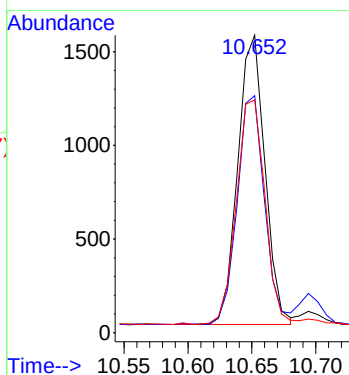
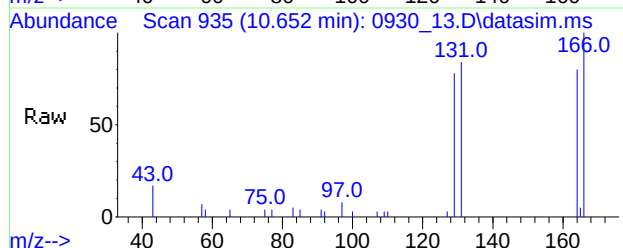
#88
Carbon Tetrachloride(sim)
Conc: 8\$ 0.074 ppbv
RT: 8.415 min Scan# 641
Delta R.T. 0.000 min
Lab File: 0930_13.D
Acq: 30 Sep 2025 4:41 pm

Tgt Ion: 117 Resp: 3552
Ion Ratio Lower Upper
117 100
119 92.9 77.2 115.8
121 30.9 24.4 36.6

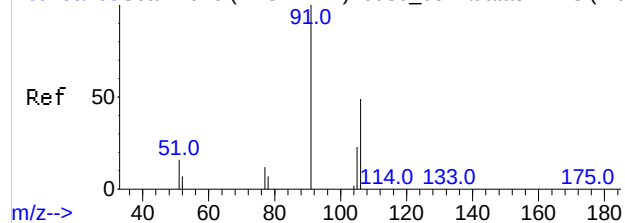


#104
Tetrachloroethene(sim)
Conc: 8\$ 0.063 ppbv
RT: 10.652 min Scan# 935
Delta R.T. 0.000 min
Lab File: 0930_13.D
Acq: 30 Sep 2025 4:41 pm

Tgt Ion: 166 Resp: 2280
Ion Ratio Lower Upper
166 100
164 80.1 58.6 98.6
129 81.9 57.2 97.2

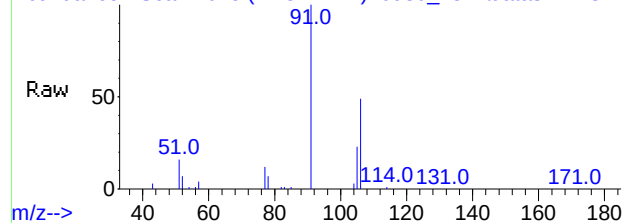


Abundance Scan 1026 (11.322 min): 0930_05.D\data.ms (-10)



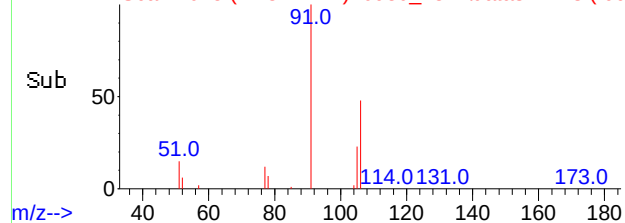
m/z-->

Abundance Scan 1025 (11.314 min): 0930_13.D\data.ms



m/z-->

Abundance Scan 1025 (11.314 min): 0930_13.D\data.ms (-99)



m/z-->

#107

m,p-Xylene(sim)

Conc: 8\$ 0.253 ppbv

RT: 11.311 min Scan# 1025

Delta R.T. 0.000 min

Lab File: 0930_13.D

Acq: 30 Sep 2025 4:41 pm

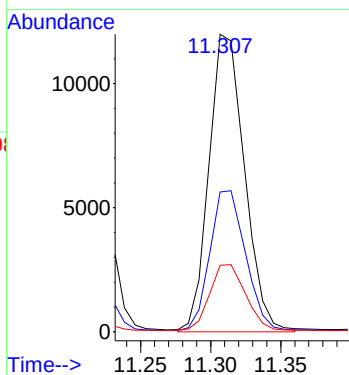
Tgt Ion: 91 Resp: 18795

Ion Ratio Lower Upper

91 100

106 51.4 41.0 50.1#

105 22.6 19.1 28.7



Time-->

1
AIR ANALYSIS DATA SHEET

CLIENT ID

Client:	<u>FPMGROUP</u>	Lab:	<u>Phoenix Env. Labs</u>
SDG No.:	<u>GCU37304</u>	Lab Sample ID:	<u>CU37307 LCS</u>
Canister:	<u>LCS</u>	Lab File ID:	<u>0930_04.D</u>
Instrument:	<u>CHEM24</u>	Column:	<u>RTX-1</u>
Purge Volume	<u>200</u> (cc)	Date Received:	<u>09/29/25</u>
Matrix:	<u>AIR</u>	Date Analyzed:	<u>09/30/25</u>
		Dilution Factor:	<u>1</u>

CONCENTRATION UNITS: (ppbv or ug/m3) ppbv

CAS NO.	COMPOUND	CONC.	Q	MDL	PQL	R
115-07-1	Propylene	9.57		0.581	0.581	r
75-71-8	Dichlorodifluoromethane	10.1		0.202	0.202	r
74-87-3	Chloromethane	10.2		0.485	0.485	r
76-14-2	1,2-Dichlorotetrafluoroethane	10.0		0.143	0.143	r
75-01-4	Vinyl Chloride	10.1		0.078	0.078	r
106-99-0	1,3-Butadiene	10.3		0.452	0.452	r
74-83-9	Bromomethane	9.20		0.258	0.258	r
75-00-3	Chloroethane	9.70		0.379	0.379	r
64-17-5	Ethanol	12.4		0.531	0.531	r
67-64-1	Acetone	10.4		0.421	0.421	r
75-69-4	Trichlorofluoromethane	9.91		0.178	0.178	r
67-63-0	Isopropylalcohol	11.1		0.407	0.407	r
107-13-1	Acrylonitrile	12.8		0.461	0.461	r
75-35-4	1,1-Dichloroethene	10.1		0.051	0.051	r
75-09-2	Methylene Chloride	9.99		0.863	0.863	r
75-15-0	Carbon Disulfide	9.81		0.321	0.321	r
76-13-1	Trichlorotrifluoroethane	9.62		0.131	0.131	r
156-60-5	Trans-1,2-Dichloroethene	10.3		0.252	0.252	r
75-34-3	1,1-Dichloroethane	10.2		0.247	0.247	r
1634-04-4	Methyl tert-butyl ether(MTBE)	9.83		0.278	0.278	r
78-93-3	Methyl Ethyl Ketone	10.6		0.339	0.339	r
156-59-2	Cis-1,2-Dichloroethene	9.99		0.051	0.051	r
110-54-3	Hexane	10.3		0.284	0.284	r
67-66-3	Chloroform	9.95		0.205	0.205	r
141-78-6	Ethyl acetate	11.0		0.278	0.278	r
109-99-9	Tetrahydrofuran	10.1		0.339	0.339	r
107-06-2	1,2-Dichloroethane	10.3		0.247	0.247	r
71-55-6	1,1,1-Trichloroethane	9.96		0.183	0.183	r
71-43-2	Benzene	9.64		0.313	0.313	r
56-23-5	Carbon Tetrachloride	10.2		0.032	0.032	r
110-82-7	Cyclohexane	9.55		0.291	0.291	r
78-87-5	1,2-dichloropropane	10.0		0.217	0.217	r
75-27-4	Bromodichloromethane	10.3		0.149	0.149	r
79-01-6	Trichloroethene	9.35		0.037	0.037	r
540-84-1	2,2,4-trimethylpentane	10.7		0.215	0.215	r
123-91-1	1,4-Dioxane	10.1		0.278	0.278	r

FORM I AIR

r=Result Reported U=Not Detected D=Reported Dilution E/J=Estimated Value X=Not Used S=Lab Solvent

1
AIR ANALYSIS DATA SHEET

CLIENT ID

Client:	<u>FPMGROUP</u>	Lab:	<u>Phoenix Env. Labs</u>	CU37307 LCS
SDG No.:	<u>GCU37304</u>	Lab Sample ID:	<u>CU37307 LCS</u>	
Canister:	<u>LCS</u>	Lab File ID:	<u>0930_04.D</u>	
Instrument:	<u>CHEM24</u>	Column:	<u>RTX-1</u>	Date Received: <u>09/29/25</u>
Purge Volume	<u>200</u> (cc)	Date Analyzed:	<u>09/30/25</u>	
Matrix:	<u>AIR</u>	Dilution Factor:	<u>1</u>	

CONCENTRATION UNITS: (ppbv or ug/m3) ppbv

CAS NO.	COMPOUND	CONC.	Q	MDL	PQL	R
142-82-5	Heptane	10.5		0.244	0.244	r
10061-01-5	cis-1,3-Dichloropropene	10.2		0.220	0.220	r
108-10-1	4-Methyl-2-pentanone(MIBK)	10.8		0.244	0.244	r
10061-02-6	trans-1,3-Dichloropropene	10.4		0.220	0.220	r
79-00-5	1,1,2-Trichloroethane	9.54		0.183	0.183	r
108-88-3	Toluene	10.1		0.266	0.266	r
124-48-1	Dibromochloromethane	9.96		0.117	0.117	r
591-78-6	2-Hexanone(MBK)	11.6		0.244	0.244	r
106-93-4	1,2-Dibromoethane(EDB)	9.87		0.130	0.130	r
127-18-4	Tetrachloroethene	9.10		0.037	0.037	r
630-20-6	1,1,1,2-Tetrachloroethane	8.83		0.146	0.146	r
108-90-7	Chlorobenzene	9.23		0.217	0.217	r
100-41-4	Ethylbenzene	10.1		0.230	0.230	r
179601-23-1	m,p-Xylene	21.2		0.230	0.230	r
75-25-2	Bromoform	9.45		0.097	0.097	r
100-42-5	Styrene	9.55		0.235	0.235	r
79-34-5	1,1,2,2-Tetrachloroethane	9.98		0.146	0.146	r
95-47-6	o-Xylene	9.89		0.230	0.230	r
98-82-8	Isopropylbenzene	9.52		0.204	0.204	r
622-96-8	4-Ethyltoluene	10.3		0.204	0.204	r
108-67-8	1,3,5-Trimethylbenzene	9.78		0.204	0.204	r
95-63-6	1,2,4-Trimethylbenzene	10.3		0.204	0.204	r
100-44-7	Benzyl chloride	10.8		0.193	0.193	r
541-73-1	1,3-Dichlorobenzene	9.18		0.166	0.166	r
106-46-7	1,4-Dichlorobenzene	9.13		0.166	0.166	r
135-98-8	sec-Butylbenzene	9.84		0.182	0.182	r
99-87-6	4-Isopropyltoluene	9.48		0.182	0.182	r
95-50-1	1,2-Dichlorobenzene	9.03		0.166	0.166	r
104-51-8	n-Butylbenzene	10.3		0.182	0.182	r
120-82-1	1,2,4-Trichlorobenzene	6.58		0.135	0.135	r
91-20-3	Naphthalene	7.91		0.200	0.200	r
87-68-3	Hexachlorobutadiene	7.53		0.094	0.094	r

FORM I AIR

r=Result Reported U=Not Detected D=Reported Dilution E/J=Estimated Value X=Not Used S=Lab Solvent

Data Path : H:\AIR2025\CHEM24\09SEP\30\
 Data File : 0930_04.D
 Acq On : 30 Sep 2025 12:13 pm
 Operator : Keith
 Client ID : CU37307 LCS
 Lab ID : CU37307 LCS
 ALS Vial : 4 Sample Multiplier: 1

Quant Time: Sep 30 13:58:29 2025
 Quant Method : H:\AIR2025\CHEM24\Methods\24_AIR_0923.M
 Quant Title : VOA Standards for 5 point calibration
 QLast Update : Wed Sep 24 13:58:02 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	7.467	130	172953	10.000	ng	0.00
36) 1,4-Difluorobenzene	8.632	114	685577	10.000	ng	0.00
53) Chlorobenzene-d5	11.111	82	432416	10.000	ng	0.00
80) Bromochloromethane(sim)	7.470	130	193449	10.000	ng	# 0.00
95) 1,4-Difluorobenzene(sim)	8.632	114	685577	10.000	ng	0.00
105) Chlorobenzene-d5(sim)	11.111	82	432416	10.000	ng	0.00

System Monitoring Compounds						
62) % Bromofluorobenzene	11.945	95	478807	9.618	ppbv	0.00
Spiked Amount	10.000	Range	70 - 130	Recovery	=	96.20%

Target Compounds					Qvalue	
2) Propylene	4.029	41	262890	9.573	ppbv	100
3) Dichlorodifluoromethane	4.104	85	660031	10.080	ppbv	97
4) Chloromethane	4.253	50	301991	10.193	ppbv	99
5) 1,2-Dichlorotetrafluor...	4.344	85	686468	10.003	ppbv#	61
6) Vinyl Chloride	4.452	62	309103	10.136	ppbv	100
7) 1,3-Butadiene	4.576	54	245880	10.320	ppbv	92
8) Bromomethane	4.808	94	230483	9.198	ppbv	96
9) Chloroethane	4.949	64	140127	9.699	ppbv	93
11) Ethanol	5.016	45	129167	12.366	ppbv	94
12) Acetone	5.394	43	512225	10.378	ppbv	94
13) Trichlorofluoromethane	5.535	101	600427	9.913	ppbv#	95
14) Isopropylalcohol	5.560	45	639966	11.057	ppbv	99
15) Acrylonitrile	5.731	53	241537	12.753	ppbv	94
16) 1,1-Dichloroethene	5.987	61	477730	10.054	ppbv	89
17) Methylene Chloride	6.064	49	387569	9.992	ppbv	98
20) Carbon Disulfide	6.296	76	794215	9.808	ppbv	100
21) Trichlorotrifluoroethane	6.243	101	491903	9.621	ppbv#	75
22) Trans-1,2-Dichloroethene	6.696	61	444446	10.282	ppbv	92
23) 1,1-Dichloroethane	6.826	63	558561	10.174	ppbv	98
24) Methyl tert-butyl ethe...	6.850	73	757755	9.829	ppbv	90
25) Methyl Ethyl Ketone	7.053	43	735651	10.559	ppbv#	96
26) Cis-1,2-Dichloroethene	7.361	61	423757	9.985	ppbv	91
27) Hexane	7.483	57	481798	10.252	ppbv#	92
28) Chloroform	7.540	83	581127	9.947	ppbv	98
29) Ethyl acetate	7.459	61	112001	10.953	ppbv#	80
30) Tetrahydrofuran	7.791	42	361137	10.125	ppbv#	92
31) 1,2-Dichloroethane	8.010	62	405073	10.323	ppbv	97
32) 1,1,1-Trichloroethane	8.172	97	531825	9.964	ppbv	94
33) Benzene	8.459	78	920862	9.639	ppbv	97
34) Carbon Tetrachloride	8.545	117	509664	10.147	ppbv	98
35) Cyclohexane	8.623	84	325170	9.554	ppbv#	84
37) 1,2-dichloropropane	8.935	63	361130	10.028	ppbv#	94
38) Bromodichloromethane	9.047	83	660210	10.245	ppbv	95
39) Trichloroethene	9.073	130	295963	9.350	ppbv#	90
40) 2,2,4-trimethylpentane	9.073	57	1621897	10.687	ppbv	95
41) 1,4-Dioxane	9.047	88	167567	10.105	ppbv	97
43) Heptane	9.203	43	672643	10.447	ppbv	90
44) cis-1,3-Dichloropropene	9.555	75	571784	10.214	ppbv	90
45) 4-Methyl-2-pentanone(M...	9.548	43	891870	10.754	ppbv	96
46) trans-1,3-Dichloropropene	9.844	75	447025	10.354	ppbv#	90
47) 1,1,2-Trichloroethane	9.957	97	311364	9.544	ppbv	89
48) Toluene	10.118	91	935869	10.087	ppbv	99

Data Path : H:\AIR2025\CHEM24\09SEP\30\
 Data File : 0930_04.D
 Acq On : 30 Sep 2025 12:13 pm
 Operator : Keith
 Client ID : CU37307 LCS
 Lab ID : CU37307 LCS
 ALS Vial : 4 Sample Multiplier: 1

Quant Time: Sep 30 13:58:29 2025
 Quant Method : H:\AIR2025\CHEM24\Methods\24_AIR_0923.M
 Quant Title : VOA Standards for 5 point calibration
 QLast Update : Wed Sep 24 13:58:02 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
49) Dibromochloromethane	10.372	129	543971	9.962	ppbv	97
50) 2-Hexanone(MBK)	10.224	43	798455	11.551	ppbv	93
51) 1,2-Dibromoethane(EDB)	10.513	107	514208	9.866	ppbv	97
52) Tetrachloroethene	10.759	166	332882	9.101	ppbv	95
54) 1,1,1,2-Tetrachloroethane	11.118	131	343067	8.833	ppbv	97
55) Chlorobenzene	11.134	112	668090	9.228	ppbv	86
56) Ethylbenzene	11.323	91	1248523	10.088	ppbv	91
57) m, p-Xylene	11.422	91	1940928	21.162	ppbv#	89
58) Bromoform	11.498	173	469923	9.445	ppbv	99
59) Styrene	11.627	104	650339	9.548	ppbv#	86
60) 1,1,2,2-Tetrachloroethane	11.687	83	844094	9.975	ppbv#	85
61) o-Xylene	11.687	91	996280	9.885	ppbv#	89
64) Isopropylbenzene	12.006	105	1217170	9.523	ppbv#	93
66) 4-Ethyltoluene	12.379	105	1335204	10.312	ppbv#	95
67) 1,3,5-Trimethylbenzene	12.418	105	998684	9.775	ppbv#	87
68) 1,2,4-Trimethylbenzene	12.674	105	1114782	10.289	ppbv#	90
70) Benzyl chloride	12.768	91	859468	10.810	ppbv#	92
71) 1,3-Dichlorobenzene	12.791	146	574412	9.177	ppbv	94
72) 1,4-Dichlorobenzene	12.830	146	539679	9.126	ppbv	96
73) sec-Butylbenzene	12.838	105	1568898	9.844	ppbv#	92
74) 4-Isopropyltoluene	12.923	119	1292366	9.483	ppbv#	92
75) 1,2-Dichlorobenzene	13.047	146	527831	9.029	ppbv#	92
76) n-Butylbenzene	13.187	91	1287407	10.281	ppbv#	91
77) 1,2,4-Trichlorobenzene	14.237	180	206289	6.579	ppbv	98
78) Naphthalene	14.338	128	653361	7.911	ppbv#	98
79) Hexachlorobutadiene	14.587	225	308856	7.532	ppbv	98
81] 1,2-Dichlorotetrafluor...	4.344	85	685237	9.534	ppbv#	61
82] Vinyl Chloride(sim)	4.455	62	336029	9.922	ppbv	99
83] Bromomethane(sim)	4.808	94	230483	7.875	ppbv	96
84] Trichlorofluoromethane...	5.538	101	675368	10.064	ppbv#	97
85] 1,2-Dichloroethane(sim)	8.010	62	405073	9.748	ppbv	97
86] 1,1,1-Trichloroethane(...	8.175	97	601616	10.060	ppbv#	95
87] Benzene(sim)	8.459	78	916423	8.841	ppbv	97
88] Carbon Tetrachloride(sim)	8.548	117	578348	11.521	ppbv	98
89] 1,1-Dichloroethene(sim)	5.987	61	477730	9.674	ppbv	89
90] Trichlorotrifluoroetha...	6.240	101	549536	9.791	ppbv#	84
91] Trans-1,2-Dichloroethe...	6.696	61	444446	9.958	ppbv	92
92] 1,1-Dichloroethane(sim)	6.829	63	613409	10.259	ppbv	98
93] Cis-1,2-Dichloroethene...	7.361	61	423757	9.511	ppbv	91
94] Chloroform(sim)	7.543	83	644137	10.024	ppbv	98
96] 1,2-dichloropropane(sim)	8.937	63	395543	10.084	ppbv#	90
97] Bromodichloromethane(sim)	9.047	83	660210	10.713	ppbv	97
98] Trichloroethene(sim)	9.067	130	335435	9.661	ppbv#	85
99] 1,4-Dioxane(sim)	9.047	88	167567	11.342	ppbv	97
100] cis-1,3-Dichloropropen...	9.551	75	633996	11.182	ppbv#	91
101] 1,1,2-Trichloroethane(...	9.957	97	311364	9.657	ppbv	89
102] Dibromochloromethane(sim)	10.375	129	615256	11.316	ppbv	98
103] 1,2-Dibromoethane(EDB)...	10.513	107	514208	10.364	ppbv	97
104] Tetrachloroethene(sim)	10.762	166	387985	9.481	ppbv	97
106] Bromoform(sim)	11.501	173	535417	10.624	ppbv	99
107] m, p-Xylene(sim)	11.422	91	1946239	18.846	ppbv#	89
108] 1,1,2,2-Tetrachloroeth...	11.682	83	928923	9.892	ppbv#	97
109] Benzyl chloride(sim)	12.768	91	859468	6.422	ppbv	92
110] 1,3-Dichlorobenzene(sim)	12.786	146	690278	10.667	ppbv	95
111] 1,4-Dichlorobenzene(sim)	12.830	146	539679	9.660	ppbv	96

Data Path : H:\AIR2025\CHEM24\09SEP\30\
Data File : 0930_04.D
Acq On : 30 Sep 2025 12:13 pm
Operator : Keith
Client ID : CU37307 LCS
Lab ID : CU37307 LCS
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Sep 30 13:58:29 2025
Quant Method : H:\AIR2025\CHEM24\Methods\24_AIR_0923.M
Quant Title : VOA Standards for 5 point calibration
QLast Update : Wed Sep 24 13:58:02 2025
Response via : Initial Calibration

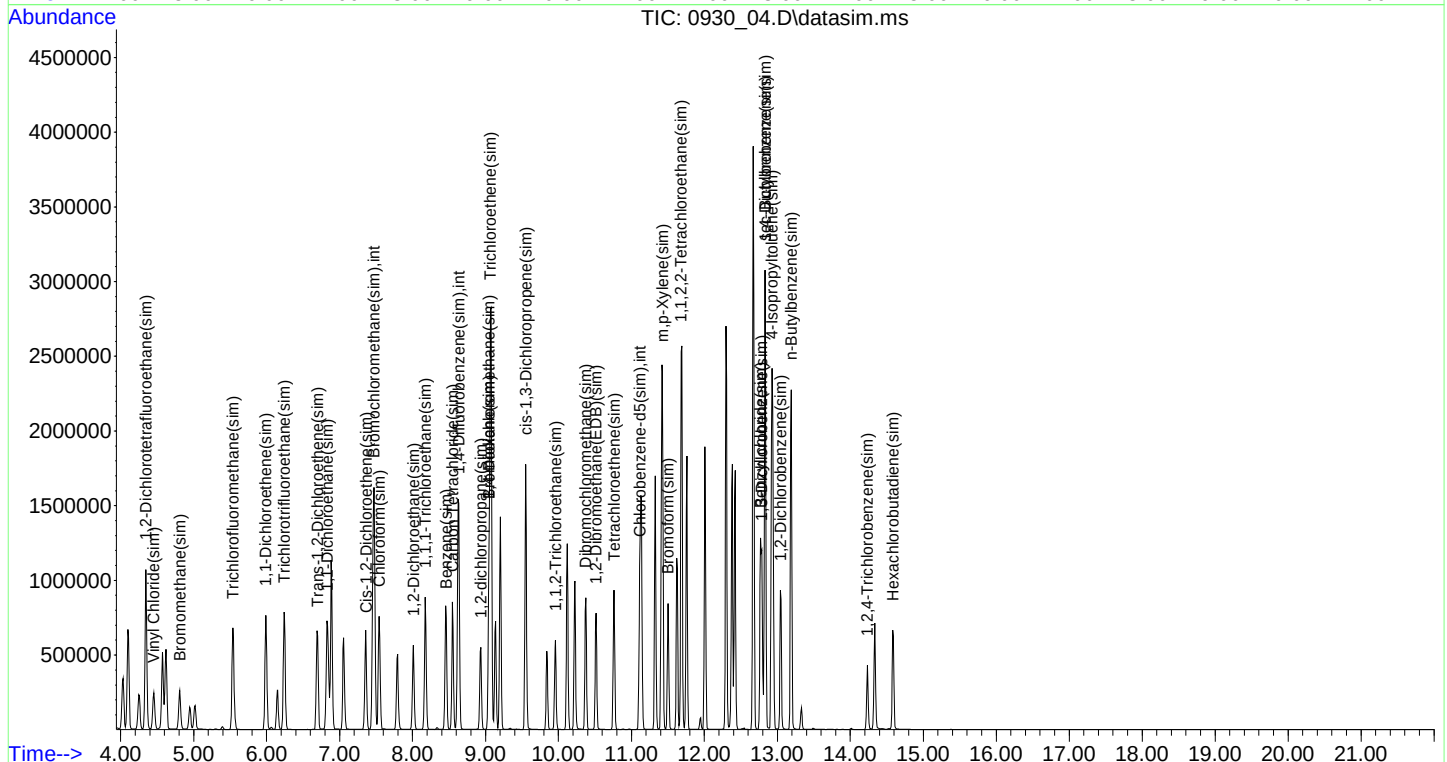
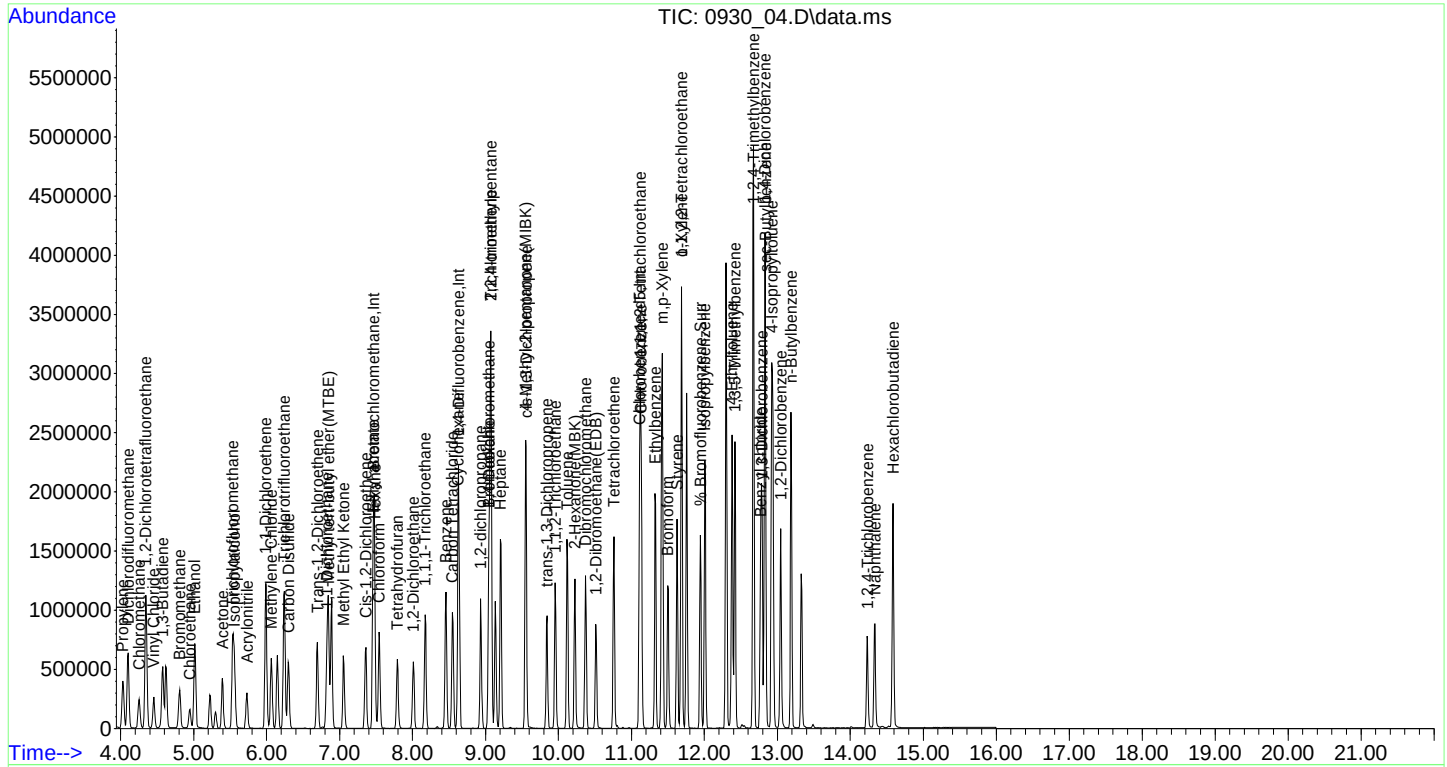
	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
112]	sec-Butylbenzene(sim)	12.833	105	1746491	9.781	ppbv	92
113]	4-Isopropyltoluene(sim)	12.923	119	1293757	9.377	ppbv#	92
114]	1,2-Dichlorobenzene(sim)	13.043	146	626444	9.650	ppbv	95
115]	n-Butylbenzene(sim)	13.187	91	1287407	11.266	ppbv	91
116]	1,2,4-Trichlorobenzene...	14.232	180	249897	2.339	ppbv	99
118]	Hexachlorobutadiene(sim)	14.582	225	377740	6.671	ppbv	97

(#)out of range (m>manual integration reviewed by analyst (+)signals summed

(QT Reviewed)

Data Path : H:\AIR2025\CHEM24\09SEP\30\
Data File : 0930_04.D
Acq On : 30 Sep 2025 12:13 pm
Operator : Keith
Client ID : CU37307 LCS
Lab ID : CU37307 LCS
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Sep 30 13:58:29 2025
Quant Method : H:\AIR2025\CHEM24\Methods\24_AIR_0923.M
Quant Title : VOA Standards for 5 point calibration
QLast Update : Wed Sep 24 13:58:02 2025
Response via : Initial Calibration



1
AIR ANALYSIS DATA SHEET

CLIENT ID

CU37307 BLANK

Client:	FPMGROUP	Lab:	Phoenix Env. Labs
SDG No.:	GCU37304	Lab Sample ID:	CU37307 BL
Canister:	BL	Lab File ID:	0930_05.D
Instrument:	CHEM24	Column:	RTX-1
		Date Received:	09/29/25
Purge Volume	200 (cc)	Date Analyzed:	09/30/25
Matrix:	AIR	Dilution Factor:	1

CONCENTRATION UNITS: (ppbv or ug/m3) ppbv

CAS NO.	COMPOUND	CONC.	Q	MDL	PQL	R
115-07-1	Propylene	0.580	U	0.580	0.580	r
75-71-8	Dichlorodifluoromethane	0.200	U	0.200	0.200	r
74-87-3	Chloromethane	0.480	U	0.480	0.480	r
106-99-0	1,3-Butadiene	0.450	U	0.450	0.450	r
75-00-3	Chloroethane	0.380	U	0.380	0.380	r
64-17-5	Ethanol	0.530	U	0.530	0.530	r
67-64-1	Acetone	0.420	U	0.420	0.420	r
67-63-0	Isopropylalcohol	0.410	U	0.410	0.410	r
107-13-1	Acrylonitrile	0.460	U	0.460	0.460	r
75-09-2	Methylene Chloride	0.860	U	0.860	0.860	r
75-15-0	Carbon Disulfide	0.320	U	0.320	0.320	r
1634-04-4	Methyl tert-butyl ether(MTBE)	0.280	U	0.280	0.280	r
78-93-3	Methyl Ethyl Ketone	0.340	U	0.340	0.340	r
110-54-3	Hexane	0.280	U	0.280	0.280	r
141-78-6	Ethyl acetate	0.280	U	0.280	0.280	r
109-99-9	Tetrahydrofuran	0.340	U	0.340	0.340	r
110-82-7	Cyclohexane	0.290	U	0.290	0.290	r
540-84-1	2,2,4-trimethylpentane	0.210	U	0.210	0.210	r
142-82-5	Heptane	0.240	U	0.240	0.240	r
108-10-1	4-Methyl-2-pentanone(MIBK)	0.240	U	0.240	0.240	r
10061-02-6	trans-1,3-Dichloropropene	0.220	U	0.220	0.220	r
108-88-3	Toluene	0.270	U	0.270	0.270	r
591-78-6	2-Hexanone(MBK)	0.240	U	0.240	0.240	r
630-20-6	1,1,1,2-Tetrachloroethane	0.150	U	0.150	0.150	r
108-90-7	Chlorobenzene	0.220	U	0.220	0.220	r
100-41-4	Ethylbenzene	0.230	U	0.230	0.230	r
100-42-5	Styrene	0.230	U	0.230	0.230	r
95-47-6	o-Xylene	0.230	U	0.230	0.230	r
98-82-8	Isopropylbenzene	0.200	U	0.200	0.200	r
622-96-8	4-Ethyltoluene	0.200	U	0.200	0.200	r
108-67-8	1,3,5-Trimethylbenzene	0.200	U	0.200	0.200	r
95-63-6	1,2,4-Trimethylbenzene	0.200	U	0.200	0.200	r
91-20-3	Naphthalene	0.200	U	0.200	0.200	r
76-14-2	1,2-Dichlorotetrafluoroethane(sim)	0.140	U	0.140	0.140	r
75-01-4	Vinyl Chloride(sim)	0.078	U	0.078	0.078	r
74-83-9	Bromomethane(sim)	0.260	U	0.260	0.260	r

FORM I AIR

r=Result Reported U=Not Detected D=Reported Dilution E/J=Estimated Value X=Not Used S=Lab Solvent

1
AIR ANALYSIS DATA SHEET

CLIENT ID

CU37307 BLANK

Client:	FPMGROUP	Lab:	Phoenix Env. Labs
SDG No.:	GCU37304	Lab Sample ID:	CU37307 BL
Canister:	BL	Lab File ID:	0930_05.D
Instrument:	CHEM24	Column:	RTX-1
		Date Received:	09/29/25
Purge Volume	200	(cc)	
		Date Analyzed:	09/30/25
Matrix:	AIR	Dilution Factor:	1

CONCENTRATION UNITS: (ppbv or ug/m3) ppbv

CAS NO.	COMPOUND	CONC.	Q	MDL	PQL	R
75-69-4	Trichlorofluoromethane(sim)	0.180	U	0.180	0.180	r
107-06-2	1,2-Dichloroethane(sim)	0.250	U	0.250	0.250	r
71-55-6	1,1,1-Trichloroethane(sim)	0.180	U	0.180	0.180	r
71-43-2	Benzene(sim)	0.310	U	0.310	0.310	r
56-23-5	Carbon Tetrachloride(sim)	0.032	U	0.032	0.032	r
75-35-4	1,1-Dichloroethene(sim)	0.050	U	0.050	0.050	r
76-13-1	Trichlorotrifluoroethane(sim)	0.130	U	0.130	0.130	r
156-60-5	Trans-1,2-Dichloroethene(sim)	0.250	U	0.250	0.250	r
75-34-3	1,1-Dichloroethane(sim)	0.250	U	0.250	0.250	r
156-59-2	Cis-1,2-Dichloroethene(sim)	0.050	U	0.050	0.050	r
67-66-3	Chloroform(sim)	0.200	U	0.200	0.200	r
78-87-5	1,2-dichloropropane(sim)	0.220	U	0.220	0.220	r
75-27-4	Bromodichloromethane(sim)	0.150	U	0.150	0.150	r
79-01-6	Trichloroethene(sim)	0.037	U	0.037	0.037	r
123-91-1	1,4-Dioxane(sim)	0.280	U	0.280	0.280	r
10061-01-5	cis-1,3-Dichloropropene(sim)	0.220	U	0.220	0.220	r
79-00-5	1,1,2-Trichloroethane(sim)	0.180	U	0.180	0.180	r
124-48-1	Dibromochloromethane(sim)	0.120	U	0.120	0.120	r
106-93-4	1,2-Dibromoethane(EDB)(sim)	0.130	U	0.130	0.130	r
127-18-4	Tetrachloroethene(sim)	0.037	U	0.037	0.037	r
75-25-2	Bromoform(sim)	0.097	U	0.097	0.097	r
179601-23-1	m,p-Xylene(sim)	0.230	U	0.230	0.230	r
79-34-5	1,1,2,2-Tetrachloroethane(sim)	0.150	U	0.150	0.150	r
100-44-7	Benzyl chloride(sim)	0.190	U	0.190	0.190	r
541-73-1	1,3-Dichlorobenzene(sim)	0.170	U	0.170	0.170	r
106-46-7	1,4-Dichlorobenzene(sim)	0.170	U	0.170	0.170	r
135-98-8	sec-Butylbenzene(sim)	0.180	U	0.180	0.180	r
99-87-6	4-Isopropyltoluene(sim)	0.180	U	0.180	0.180	r
95-50-1	1,2-Dichlorobenzene(sim)	0.170	U	0.170	0.170	r
104-51-8	n-Butylbenzene(sim)	0.180	U	0.180	0.180	r
120-82-1	1,2,4-Trichlorobenzene(sim)	0.130	U	0.130	0.130	r
87-68-3	Hexachlorobutadiene(sim)	0.094	U	0.094	0.094	r

FORM I AIR

r=Result Reported U=Not Detected D=Reported Dilution E/J=Estimated Value X=Not Used S=Lab Solvent

Data Path : H:\AIR2025\CHEM24\09SEP\30\
 Data File : 0930_05.D
 Acq On : 30 Sep 2025 12:46 pm
 Operator : Keith
 Client ID : CU37307 BLANK
 Lab ID : CU37307 BLANK
 ALS Vial : 5 Sample Multiplier: 1

Quant Time: Sep 30 13:59:01 2025
 Quant Method : H:\AIR2025\CHEM24\Methods\24_AIR_0923.M
 Quant Title : VOA Standards for 5 point calibration
 QLast Update : Wed Sep 24 13:58:02 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

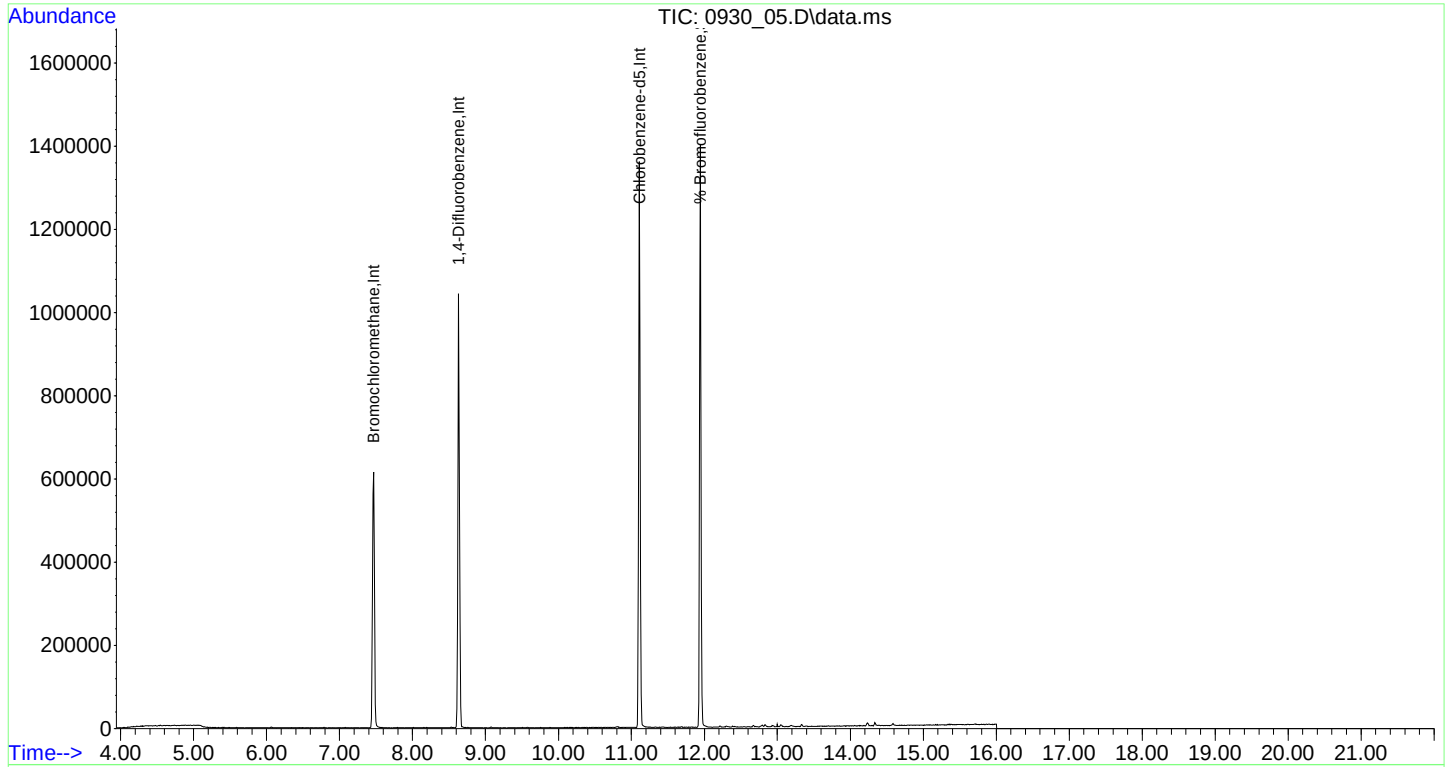
Internal Standards						
1) Bromochloromethane	7.467	130	158678	10.000	ng	0.00
36) 1,4-Difluorobenzene	8.632	114	629204	10.000	ng	0.00
53) Chlorobenzene-d5	11.110	82	374942	10.000	ng	0.00
80) Bromochloromethane(sim)	7.470	130	179127	10.000	ng	# 0.00
95) 1,4-Difluorobenzene(sim)	8.632	114	629204	10.000	ng	0.00
105) Chlorobenzene-d5(sim)	11.110	82	374942	10.000	ng	0.00
System Monitoring Compounds						
62) % Bromofluorobenzene	11.944	95	414066	9.593	ppbv	0.00
Spiked Amount	10.000	Range 70 - 130	Recovery	=	95.90%	

Target Compounds	Qvalue

(#)out of range (m)manual integration reviewed by analyst (+)signals summed

Data Path : H:\AIR2025\CHEM24\09SEP\30\
Data File : 0930_05.D
Acq On : 30 Sep 2025 12:46 pm
Operator : Keith
Client ID : CU37307 BLANK
Lab ID : CU37307 BLANK
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Sep 30 13:59:01 2025
Quant Method : H:\AIR2025\CHEM24\Methods\24_AIR_0923.M
Quant Title : VOA Standards for 5 point calibration
QLast Update : Wed Sep 24 13:58:02 2025
Response via : Initial Calibration



1
AIR ANALYSIS DATA SHEET

CLIENT ID

OUTDOOR AMBIENT DUP

Client: FPMGROUP Lab: Phoenix Env. Labs

SDG No.: GCU37304 Lab Sample ID: CU37307 DUP

Canister: 28577 Lab File ID: 0930_08.D

Instrument: CHEM24 Column: RTX-1 Date Received: 09/29/25

Purge Volume 200 (cc) Date Analyzed: 09/30/25

Matrix: AIR Dilution Factor: 1

CONCENTRATION UNITS: (ppbv or ug/m3) ppbv

CAS NO.	COMPOUND	CONC.	Q	MDL	PQL	R
115-07-1	Propylene	0.581	U	0.581	0.581	r
75-71-8	Dichlorodifluoromethane	0.478		0.202	0.202	r
74-87-3	Chloromethane	0.683		0.485	0.485	r
106-99-0	1,3-Butadiene	0.452	U	0.452	0.452	r
75-00-3	Chloroethane	0.379	U	0.379	0.379	r
64-17-5	Ethanol	5.21	S	0.531	0.531	r
67-64-1	Acetone	4.62	S	0.421	0.421	r
75-69-4	Trichlorofluoromethane	0.226		0.178	0.178	r
67-63-0	Isopropylalcohol	0.566	S	0.407	0.407	r
107-13-1	Acrylonitrile	0.461	U	0.461	0.461	r
75-09-2	Methylene Chloride	0.863	U	0.863	0.863	r
75-15-0	Carbon Disulfide	0.321	U	0.321	0.321	r
1634-04-4	Methyl tert-butyl ether(MTBE)	0.278	U	0.278	0.278	r
78-93-3	Methyl Ethyl Ketone	0.384		0.339	0.339	r
110-54-3	Hexane	0.284	U	0.284	0.284	r
141-78-6	Ethyl acetate	0.278	U	0.278	0.278	r
109-99-9	Tetrahydrofuran	0.339	U	0.339	0.339	r
71-43-2	Benzene	0.313	U	0.313	0.313	r
110-82-7	Cyclohexane	0.291	U	0.291	0.291	r
540-84-1	2,2,4-trimethylpentane	0.215	U	0.215	0.215	r
142-82-5	Heptane	0.244	U	0.244	0.244	r
108-10-1	4-Methyl-2-pentanone(MIBK)	0.244	U	0.244	0.244	r
10061-02-6	trans-1,3-Dichloropropene	0.220	U	0.220	0.220	r
108-88-3	Toluene	0.392		0.266	0.266	r
591-78-6	2-Hexanone(MBK)	0.244	U	0.244	0.244	r
630-20-6	1,1,1,2-Tetrachloroethane	0.146	U	0.146	0.146	r
108-90-7	Chlorobenzene	0.217	U	0.217	0.217	r
100-41-4	Ethylbenzene	0.230	U	0.230	0.230	r
100-42-5	Styrene	0.235	U	0.235	0.235	r
95-47-6	o-Xylene	0.230	U	0.230	0.230	r
98-82-8	Isopropylbenzene	0.204	U	0.204	0.204	r
622-96-8	4-Ethyltoluene	0.204	U	0.204	0.204	r
108-67-8	1,3,5-Trimethylbenzene	0.204	U	0.204	0.204	r
95-63-6	1,2,4-Trimethylbenzene	0.204	U	0.204	0.204	r
91-20-3	Naphthalene	0.200	U	0.200	0.200	r
76-14-2	1,2-Dichlorotetrafluoroethane(sim)	0.143	U	0.143	0.143	r

FORM I AIR

r=Result Reported U=Not Detected D=Reported Dilution E/J=Estimated Value X=Not Used S=Lab Solvent

1
AIR ANALYSIS DATA SHEET

CLIENT ID

OUTDOOR AMBIENT DUP

Client: FPMGROUP Lab: Phoenix Env. Labs

SDG No.: GCU37304 Lab Sample ID: CU37307 DUP

Canister: 28577 Lab File ID: 0930_08.D

Instrument: CHEM24 Column: RTX-1 Date Received: 09/29/25

Purge Volume 200 (cc) Date Analyzed: 09/30/25

Matrix: AIR Dilution Factor: 1

CONCENTRATION UNITS: (ppbv or ug/m3) ppbv

CAS NO.	COMPOUND	CONC.	Q	MDL	PQL	R
75-01-4	Vinyl Chloride(sim)	0.078	U	0.078	0.078	r
74-83-9	Bromomethane(sim)	0.258	U	0.258	0.258	r
107-06-2	1,2-Dichloroethane(sim)	0.247	U	0.247	0.247	r
71-55-6	1,1,1-Trichloroethane(sim)	0.183	U	0.183	0.183	r
56-23-5	Carbon Tetrachloride(sim)	0.080		0.032	0.032	r
75-35-4	1,1-Dichloroethene(sim)	0.051	U	0.051	0.051	r
76-13-1	Trichlorotrifluoroethane(sim)	0.131	U	0.131	0.131	r
156-60-5	Trans-1,2-Dichloroethene(sim)	0.252	U	0.252	0.252	r
75-34-3	1,1-Dichloroethane(sim)	0.247	U	0.247	0.247	r
156-59-2	Cis-1,2-Dichloroethene(sim)	0.051	U	0.051	0.051	r
67-66-3	Chloroform(sim)	0.205	U	0.205	0.205	r
78-87-5	1,2-dichloropropane(sim)	0.217	U	0.217	0.217	r
75-27-4	Bromodichloromethane(sim)	0.149	U	0.149	0.149	r
79-01-6	Trichloroethene(sim)	0.037	U	0.037	0.037	r
123-91-1	1,4-Dioxane(sim)	0.278	U	0.278	0.278	r
10061-01-5	cis-1,3-Dichloropropene(sim)	0.220	U	0.220	0.220	r
79-00-5	1,1,2-Trichloroethane(sim)	0.183	U	0.183	0.183	r
124-48-1	Dibromochloromethane(sim)	0.117	U	0.117	0.117	r
106-93-4	1,2-Dibromoethane(EDB)(sim)	0.130	U	0.130	0.130	r
127-18-4	Tetrachloroethene(sim)	0.037	U	0.037	0.037	r
75-25-2	Bromoform(sim)	0.097	U	0.097	0.097	r
179601-23-1	m,p-Xylene(sim)	0.230	U	0.230	0.230	r
79-34-5	1,1,2,2-Tetrachloroethane(sim)	0.146	U	0.146	0.146	r
100-44-7	Benzyl chloride(sim)	0.193	U	0.193	0.193	r
541-73-1	1,3-Dichlorobenzene(sim)	0.166	U	0.166	0.166	r
106-46-7	1,4-Dichlorobenzene(sim)	0.166	U	0.166	0.166	r
135-98-8	sec-Butylbenzene(sim)	0.182	U	0.182	0.182	r
99-87-6	4-Isopropyltoluene(sim)	0.182	U	0.182	0.182	r
95-50-1	1,2-Dichlorobenzene(sim)	0.166	U	0.166	0.166	r
104-51-8	n-Butylbenzene(sim)	0.182	U	0.182	0.182	r
120-82-1	1,2,4-Trichlorobenzene(sim)	0.135	U	0.135	0.135	r
87-68-3	Hexachlorobutadiene(sim)	0.094	U	0.094	0.094	r

FORM I AIR

r=Result Reported U=Not Detected D=Reported Dilution E/J=Estimated Value X=Not Used S=Lab Solvent

Data Path : H:\AIR2025\CHEM24\09SEP\30\
 Data File : 0930_08.D
 Acq On : 30 Sep 2025 2:48 pm
 Operator : Keith
 Client ID : OUTDOOR AMBIENT DUP
 Lab ID : CU37307 DUP
 ALS Vial : 8 Sample Multiplier: 1

Quant Time: Sep 30 16:11:40 2025
 Quant Method : H:\AIR2025\CHEM24\Methods\24_AIR_0923.M
 Quant Title : VOA Standards for 5 point calibration
 QLast Update : Wed Sep 24 13:58:02 2025
 Response via : Initial Calibration

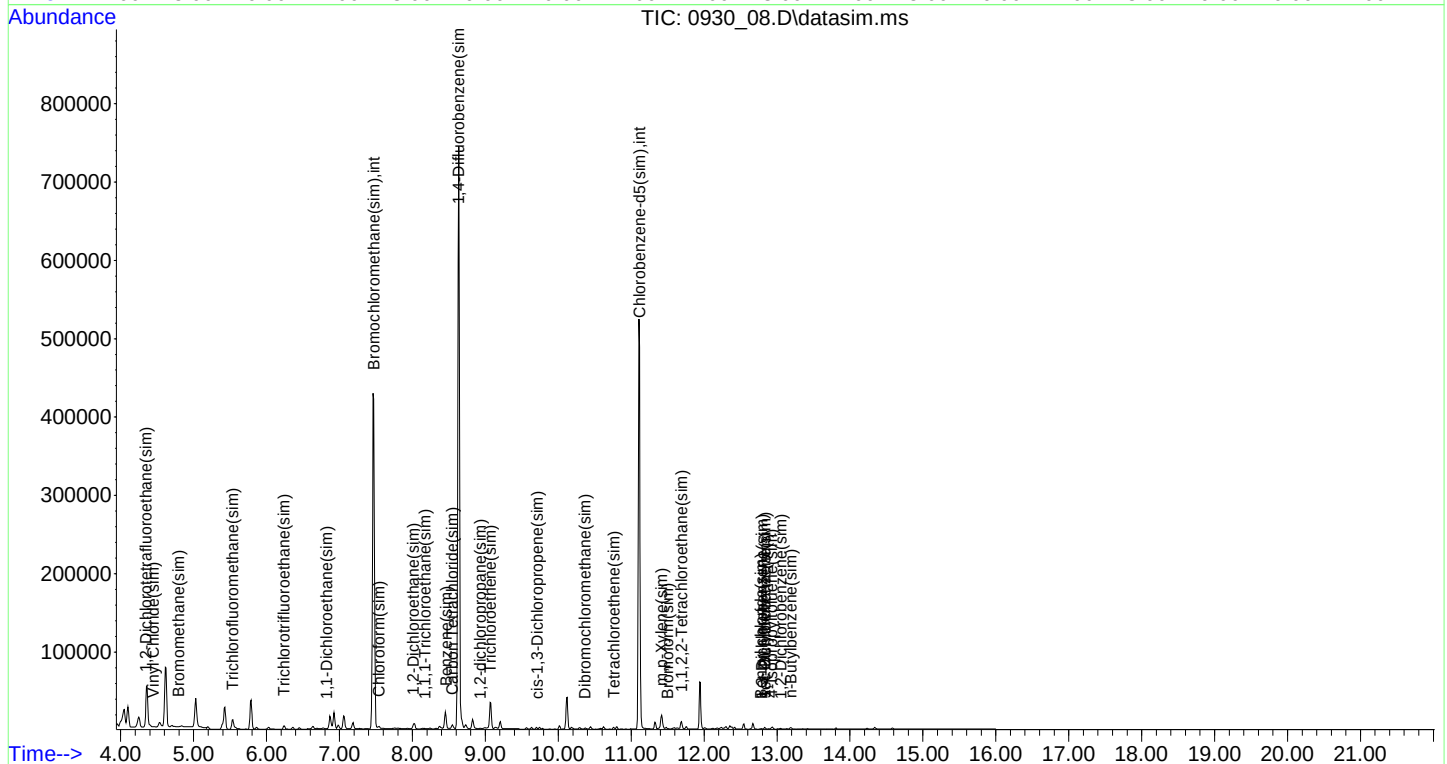
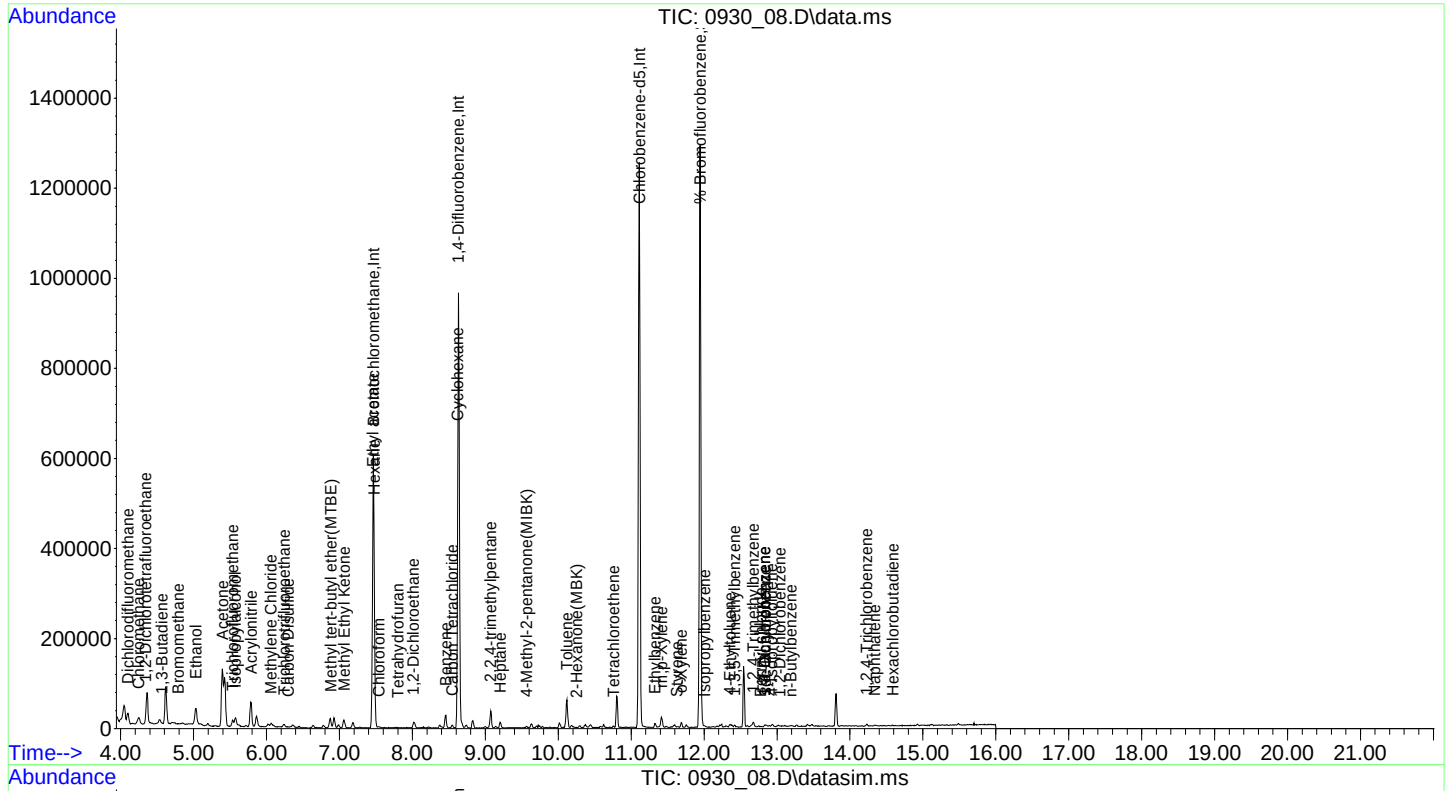
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

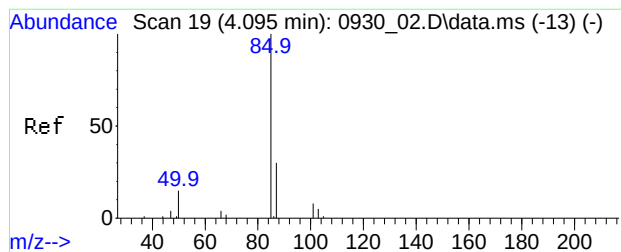
Internal Standards						
1) Bromochloromethane	7.467	130	145058	10.000	ng	0.00
36) 1,4-Difluorobenzene	8.632	114	580849	10.000	ng	0.00
53) Chlorobenzene-d5	11.111	82	342189	10.000	ng	0.00
80) Bromochloromethane(sim)	7.470	130	165533	10.000	ng	# 0.00
95) 1,4-Difluorobenzene(sim)	8.632	114	580849	10.000	ng	0.00
105) Chlorobenzene-d5(sim)	11.111	82	342189	10.000	ng	0.00
System Monitoring Compounds						
62) % Bromofluorobenzene	11.945	95	378277	9.602	ppbv	0.00
Spiked Amount	10.000	Range 70 - 130	Recovery	=	96.00%	
Target Compounds						
					Qvalue	
3) Dichlorodifluoromethane	4.095	85	26247	0.478	ppbv	96
4) Chloromethane	4.245	50	16972	0.683	ppbv	100
11) Ethanol	5.032	45	45674	5.213	ppbv	94
12) Acetone	5.394	43	191236	4.620	ppbv#	86
13) Trichlorofluoromethane	5.535	101	11476	0.226	ppbv#	95
14) Isopropylalcohol	5.572	45	27494	0.566	ppbv#	91
25) Methyl Ethyl Ketone	7.061	43	22445	0.384	ppbv#	97
33) Benzene	8.459	78	24772	0.309	ppbv	97
34) Carbon Tetrachloride	8.545	117	3107	0.074	ppbv	98
48) Toluene	10.118	91	30821	0.392	ppbv	99
84] Trichlorofluoromethane...	5.538	101	12618	0.220	ppbv#	98
88] Carbon Tetrachloride(sim)	8.548	117	3425	0.080	ppbv	97

(#)out of range (m)manual integration reviewed by analyst (+)signals summed

Data Path : H:\AIR2025\CHEM24\09SEP\30\
Data File : 0930_08.D
Acq On : 30 Sep 2025 2:48 pm
Operator : Keith
Client ID : OUTDOOR AMBIENT DUP
Lab ID : CU37307 DUP
ALS Vial : 8 Sample Multiplier: 1

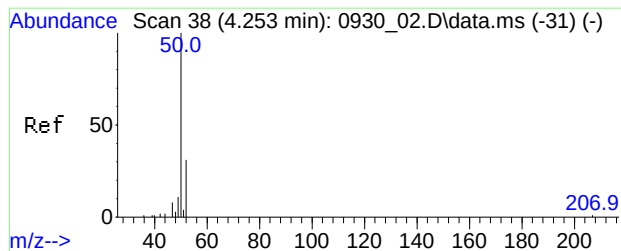
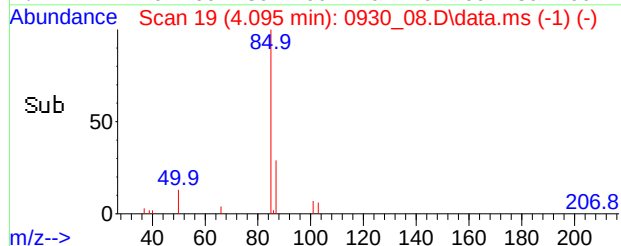
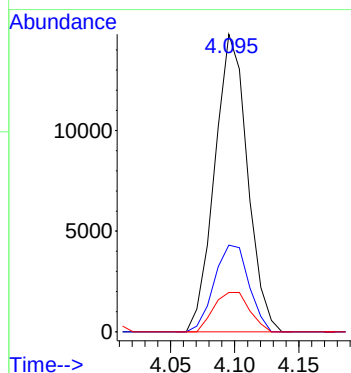
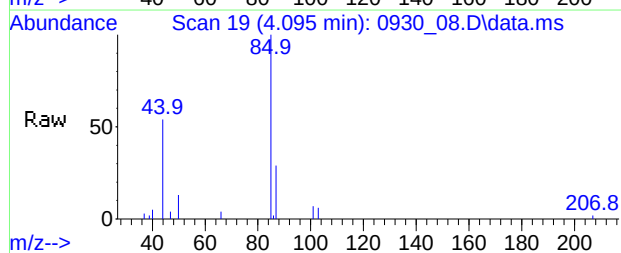
Quant Time: Sep 30 16:11:40 2025
Quant Method : H:\AIR2025\CHEM24\Methods\24_AIR_0923.M
Quant Title : VOA Standards for 5 point calibration
QLast Update : Wed Sep 24 13:58:02 2025
Response via : Initial Calibration





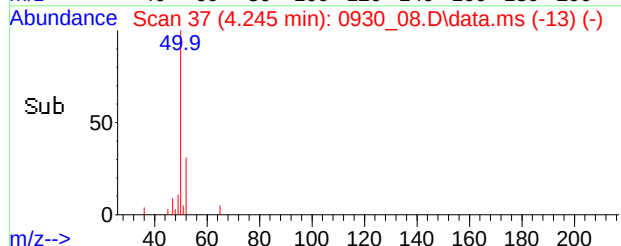
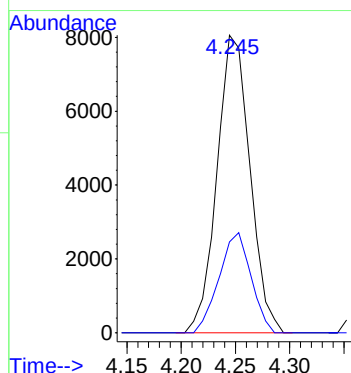
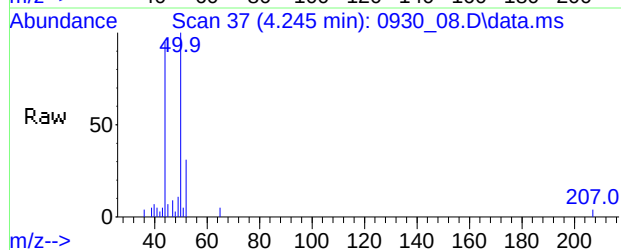
#3
Dichlorodifluoromethane
Conc: 8\$ 0.478 ppbv
RT: 4.095 min Scan# 19
Delta R.T. 0.000 min
Lab File: 0930_08.D
Acq: 30 Sep 2025 2:48 pm

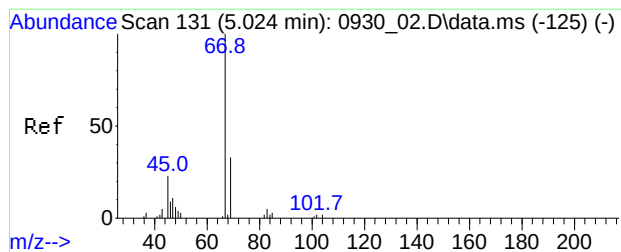
Tgt Ion:	85	Resp:	26247
Ion	Ratio	Lower	Upper
85	100		
87	30.8	26.9	40.3
50	14.5	12.0	18.0



#4
Chloromethane
Conc: 8\$ 0.683 ppbv
RT: 4.245 min Scan# 37
Delta R.T. -0.000 min
Lab File: 0930_08.D
Acq: 30 Sep 2025 2:48 pm

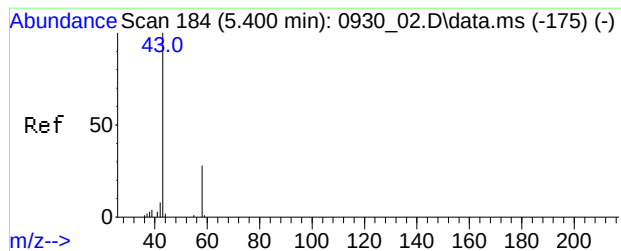
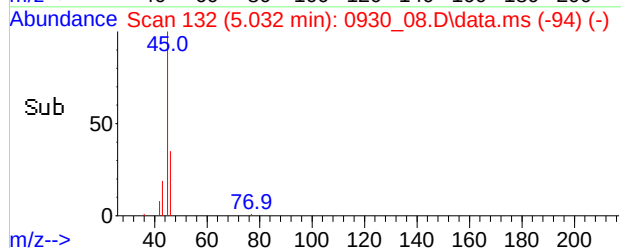
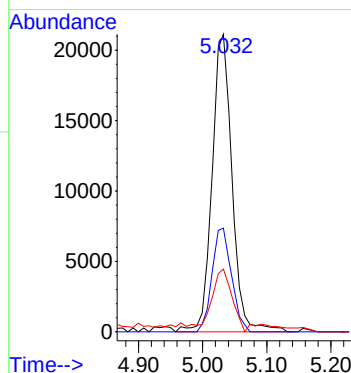
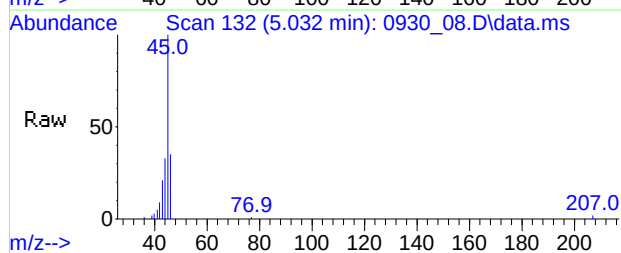
Tgt Ion:	50	Resp:	16972
Ion	Ratio	Lower	Upper
50	100		
52	32.6	12.8	52.8





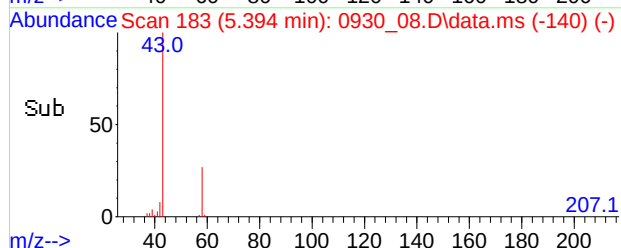
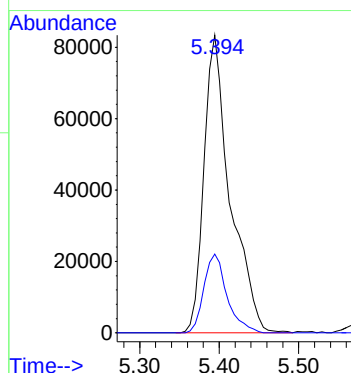
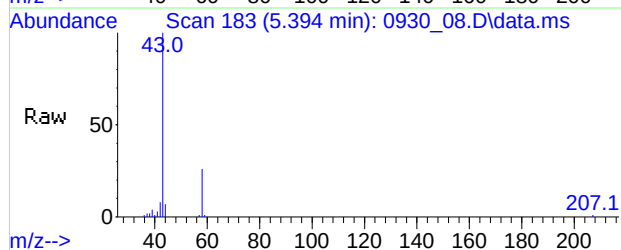
#11
Ethanol
Conc: 8\$ 5.213 ppbv
RT: 5.032 min Scan# 132
Delta R.T. 0.016 min
Lab File: 0930_08.D
Acq: 30 Sep 2025 2:48 pm

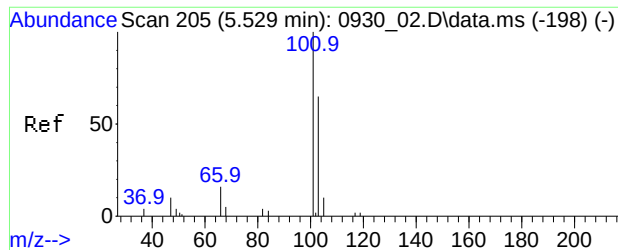
Tgt Ion: 45 Resp: 45674
Ion Ratio Lower Upper
45 100
46 33.9 25.0 37.6
43 21.0 20.0 30.0



#12
Acetone
Conc: 8\$ 4.620 ppbv
RT: 5.394 min Scan# 183
Delta R.T. -0.006 min
Lab File: 0930_08.D
Acq: 30 Sep 2025 2:48 pm

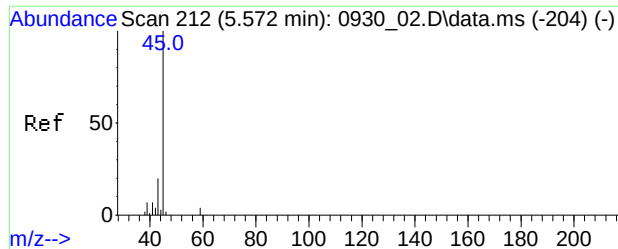
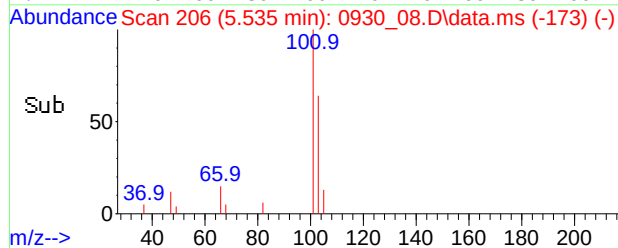
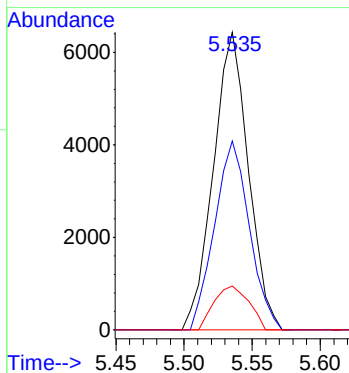
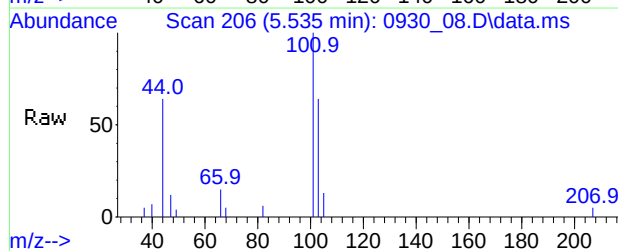
Tgt Ion: 43 Resp: 191236
Ion Ratio Lower Upper
43 100
58 23.3 24.6 37.0#





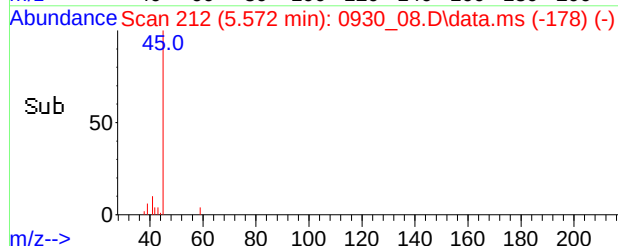
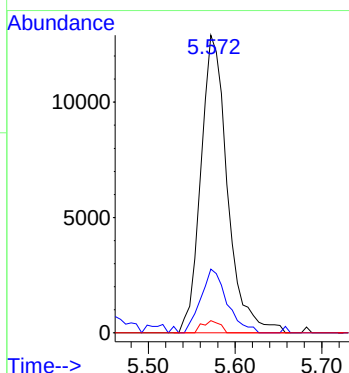
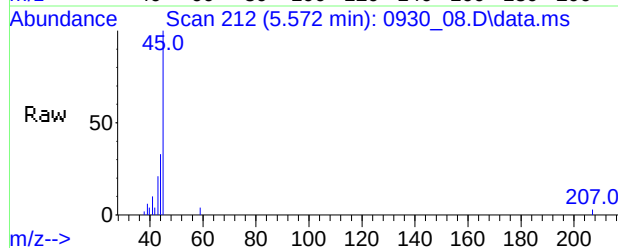
#13
Trichlorofluoromethane
Conc: 8\$ 0.226 ppbv
RT: 5.535 min Scan# 206
Delta R.T. 0.000 min
Lab File: 0930_08.D
Acq: 30 Sep 2025 2:48 pm

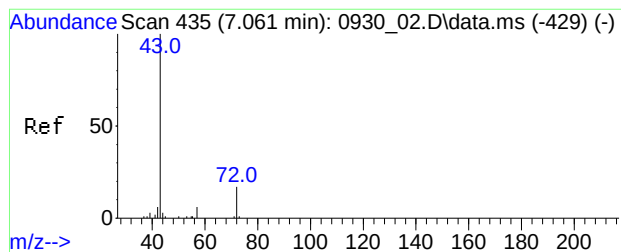
Tgt Ion: 101 Resp: 11476
Ion Ratio Lower Upper
101 100
103 63.1 53.4 80.2
66 14.6 9.3 13.9#



#14
Isopropylalcohol
Conc: 8\$ 0.566 ppbv
RT: 5.572 min Scan# 212
Delta R.T. 0.006 min
Lab File: 0930_08.D
Acq: 30 Sep 2025 2:48 pm

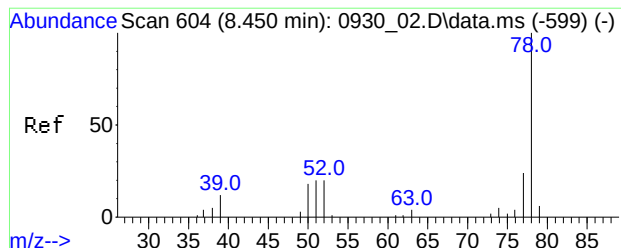
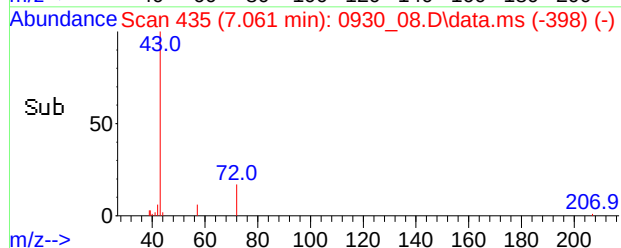
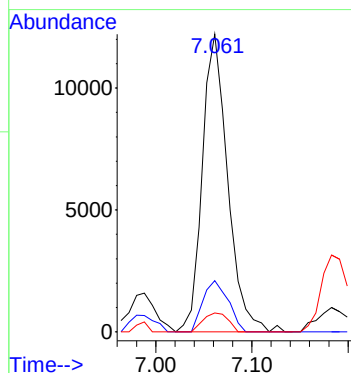
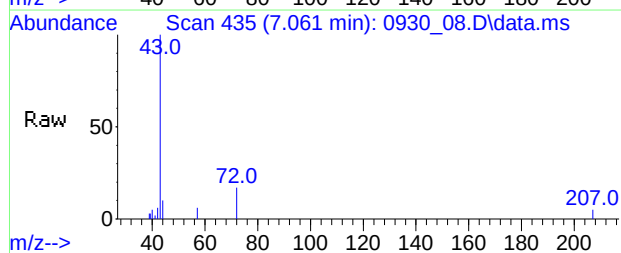
Tgt Ion: 45 Resp: 27494
Ion Ratio Lower Upper
45 100
43 21.1 13.3 19.9#
59 2.7 2.6 4.0





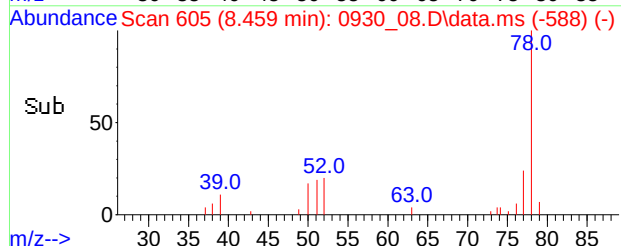
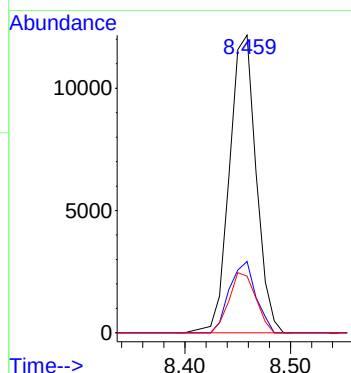
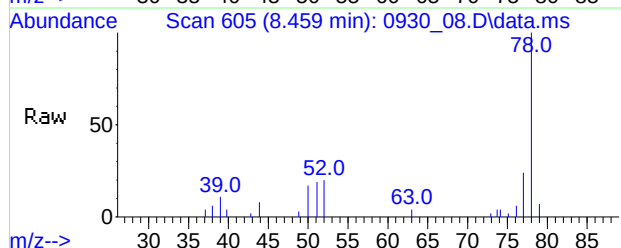
#25
Methyl Ethyl Ketone
Conc: 8\$ 0.384 ppbv
RT: 7.061 min Scan# 435
Delta R.T. 0.000 min
Lab File: 0930_08.D
Acq: 30 Sep 2025 2:48 pm

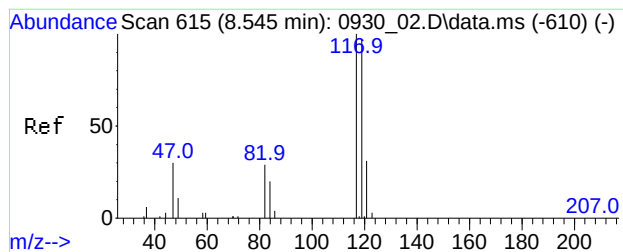
Tgt Ion: 43 Resp: 22445
Ion Ratio Lower Upper
43 100
72 17.1 13.1 19.7
57 6.2 6.6 9.8#



#33
Benzene
Conc: 8\$ 0.309 ppbv
RT: 8.459 min Scan# 605
Delta R.T. 0.009 min
Lab File: 0930_08.D
Acq: 30 Sep 2025 2:48 pm

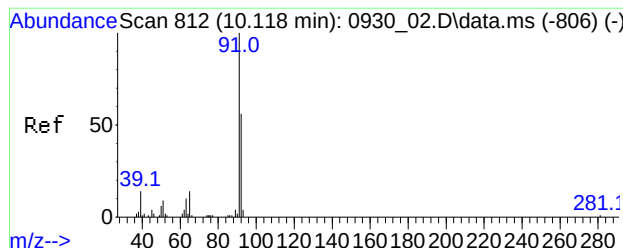
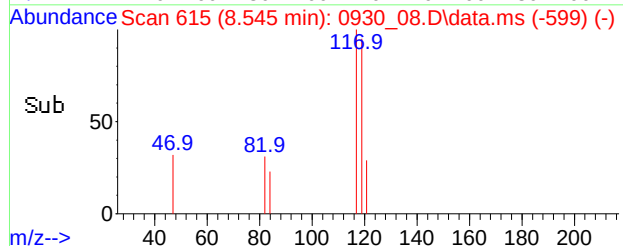
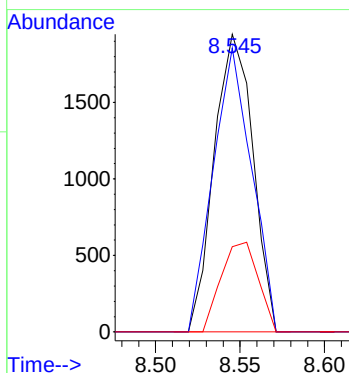
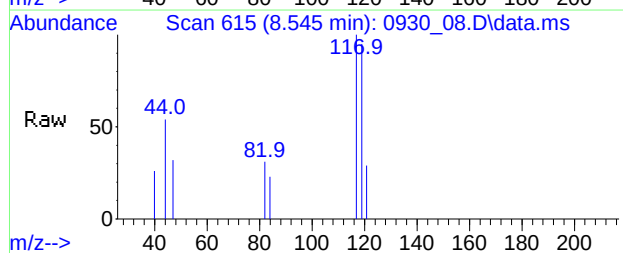
Tgt Ion: 78 Resp: 24772
Ion Ratio Lower Upper
78 100
77 24.7 18.8 28.2
51 21.1 18.1 27.1





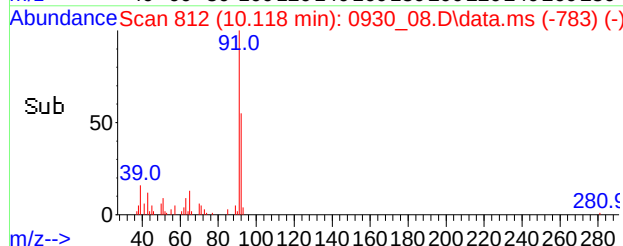
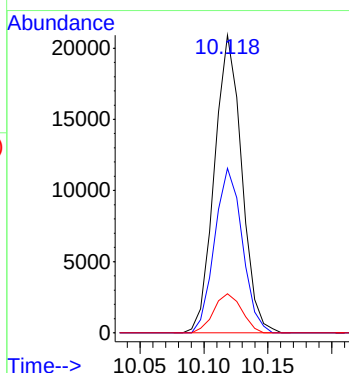
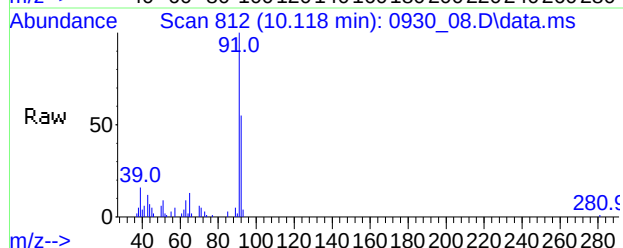
#34
Carbon Tetrachloride
Conc: 8\$ Below Cal
RT: 8.545 min Scan# 615
Delta R.T. 0.000 min
Lab File: 0930_08.D
Acq: 30 Sep 2025 2:48 pm

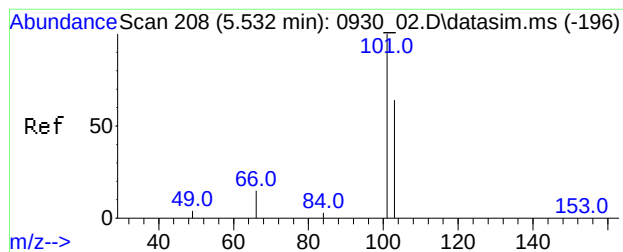
Tgt Ion: 117 Resp: 3107
Ion Ratio Lower Upper
117 100
119 94.7 76.5 116.5
121 28.8 11.2 51.2



#48
Toluene
Conc: 8\$ 0.392 ppbv
RT: 10.118 min Scan# 812
Delta R.T. 0.001 min
Lab File: 0930_08.D
Acq: 30 Sep 2025 2:48 pm

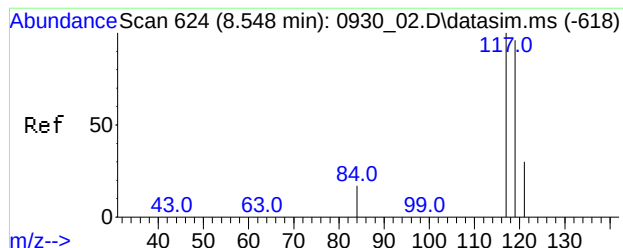
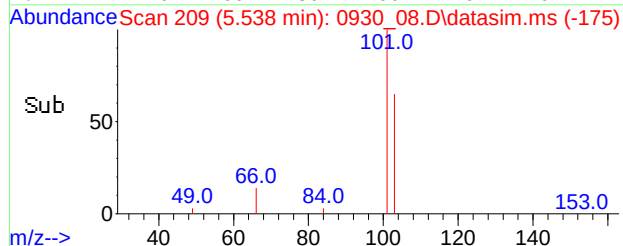
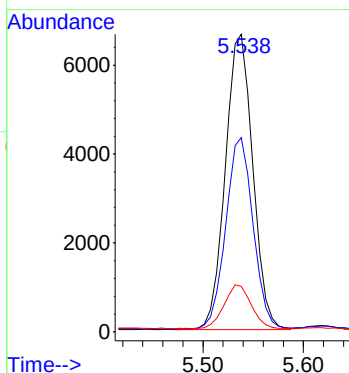
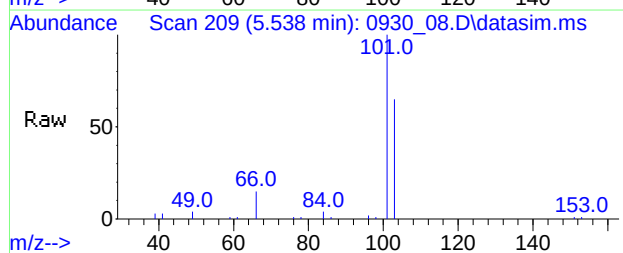
Tgt Ion: 91 Resp: 30821
Ion Ratio Lower Upper
91 100
92 56.3 45.0 67.4
65 13.6 9.4 14.2





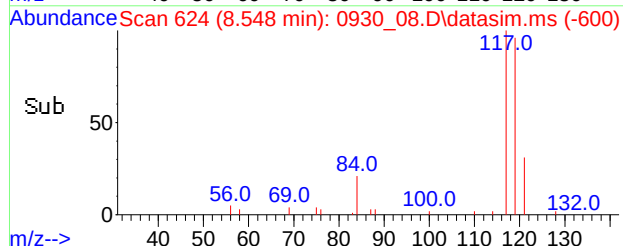
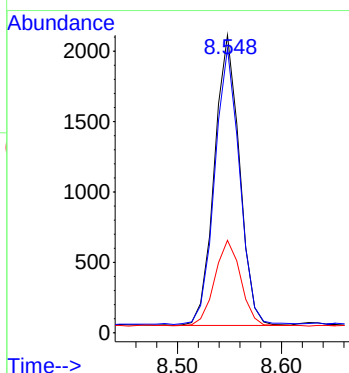
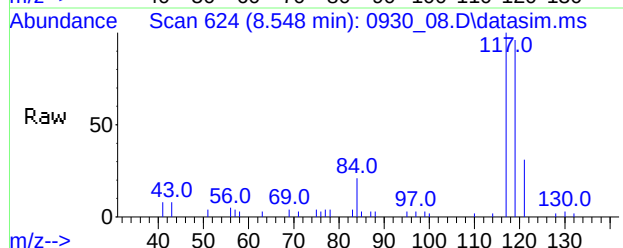
#84
Trichlorofluoromethane(sim)
Conc: 8\$ 0.220 ppbv
RT: 5.538 min Scan# 209
Delta R.T. 0.006 min
Lab File: 0930_08.D
Acq: 30 Sep 2025 2:48 pm

Tgt Ion:101 Resp: 12618
Ion Ratio Lower Upper
101 100
103 64.4 52.4 78.6
66 14.6 11.4 11.4#



#88
Carbon Tetrachloride(sim)
Conc: 8\$ 0.080 ppbv
RT: 8.548 min Scan# 624
Delta R.T. 0.000 min
Lab File: 0930_08.D
Acq: 30 Sep 2025 2:48 pm

Tgt Ion:117 Resp: 3425
Ion Ratio Lower Upper
117 100
119 94.2 77.4 116.2
121 34.1 24.9 37.3



1
AIR ANALYSIS DATA SHEET

CLIENT ID

Client:	<u>FPMGROUP</u>	Lab:	<u>Phoenix Env. Labs</u>	CU37309 LCS
SDG No.:	<u>GCU37304</u>	Lab Sample ID:	<u>CU37309 LCS</u>	
Canister:	<u>LCS</u>	Lab File ID:	<u>0930_03.D</u>	
Instrument:	<u>CHEM20</u>	Column:	<u>RTX-1 60M</u>	Date Received:
				<u>09/29/25</u>
Purge Volume	<u>200</u>	(cc)	Date Analyzed:	<u>09/30/25</u>
Matrix:	<u>AIR</u>	Dilution Factor:	<u>1</u>	

CONCENTRATION UNITS: (ppbv or ug/m3) ppbv

CAS NO.	COMPOUND	CONC.	Q	MDL	PQL	R
115-07-1	Propylene	9.57		0.581	0.581	r
75-71-8	Dichlorodifluoromethane	9.75		0.202	0.202	r
74-87-3	Chloromethane	9.49		0.485	0.485	r
76-14-2	1,2-Dichlorotetrafluoroethane	9.48		0.143	0.143	r
75-01-4	Vinyl Chloride	9.49		0.078	0.078	r
106-99-0	1,3-Butadiene	9.56		0.452	0.452	r
74-83-9	Bromomethane	9.39		0.258	0.258	r
75-00-3	Chloroethane	9.46		0.379	0.379	r
64-17-5	Ethanol	10.8		0.531	0.531	r
67-64-1	Acetone	8.95		0.421	0.421	r
75-69-4	Trichlorofluoromethane	9.13		0.178	0.178	r
67-63-0	Isopropylalcohol	9.61		0.407	0.407	r
107-13-1	Acrylonitrile	11.6		0.461	0.461	r
75-35-4	1,1-Dichloroethene	9.08		0.051	0.051	r
75-09-2	Methylene Chloride	8.76		0.863	0.863	r
75-15-0	Carbon Disulfide	9.26		0.321	0.321	r
76-13-1	Trichlorotrifluoroethane	9.06		0.131	0.131	r
156-60-5	Trans-1,2-Dichloroethene	9.98		0.252	0.252	r
75-34-3	1,1-Dichloroethane	9.70		0.247	0.247	r
1634-04-4	Methyl tert-butyl ether(MTBE)	9.60		0.278	0.278	r
78-93-3	Methyl Ethyl Ketone	10.9		0.339	0.339	r
156-59-2	Cis-1,2-Dichloroethene	9.57		0.051	0.051	r
110-54-3	Hexane	10.2		0.284	0.284	r
67-66-3	Chloroform	9.68		0.205	0.205	r
141-78-6	Ethyl acetate	10.9		0.278	0.278	r
109-99-9	Tetrahydrofuran	9.75		0.339	0.339	r
107-06-2	1,2-Dichloroethane	9.46		0.247	0.247	r
71-55-6	1,1,1-Trichloroethane	9.47		0.183	0.183	r
71-43-2	Benzene	9.93		0.313	0.313	r
56-23-5	Carbon Tetrachloride	9.47		0.032	0.032	r
110-82-7	Cyclohexane	9.10		0.291	0.291	r
78-87-5	1,2-dichloropropane	9.91		0.217	0.217	r
75-27-4	Bromodichloromethane	9.52		0.149	0.149	r
79-01-6	Trichloroethene	9.63		0.037	0.037	r
540-84-1	2,2,4-trimethylpentane	10.0		0.215	0.215	r
123-91-1	1,4-Dioxane	9.98		0.278	0.278	r

FORM I AIR

r=Result Reported U=Not Detected D=Reported Dilution E/J=Estimated Value X=Not Used S=Lab Solvent

1
AIR ANALYSIS DATA SHEET

CLIENT ID

Client:	<u>FPMGROUP</u>	Lab:	<u>Phoenix Env. Labs</u>	CU37309 LCS
SDG No.:	<u>GCU37304</u>	Lab Sample ID:	<u>CU37309 LCS</u>	
Canister:	<u>LCS</u>	Lab File ID:	<u>0930_03.D</u>	
Instrument:	<u>CHEM20</u>	Column:	<u>RTX-1 60M</u>	Date Received:
				<u>09/29/25</u>
Purge Volume	<u>200</u>	(cc)	Date Analyzed:	<u>09/30/25</u>
Matrix:	<u>AIR</u>	Dilution Factor:	<u>1</u>	

CONCENTRATION UNITS: (ppbv or ug/m3) ppbv

CAS NO.	COMPOUND	CONC.	Q	MDL	PQL	R
142-82-5	Heptane	10.3		0.244	0.244	r
10061-01-5	cis-1,3-Dichloropropene	9.83		0.220	0.220	r
108-10-1	4-Methyl-2-pentanone(MIBK)	9.84		0.244	0.244	r
10061-02-6	trans-1,3-Dichloropropene	9.66		0.220	0.220	r
79-00-5	1,1,2-Trichloroethane	9.63		0.183	0.183	r
108-88-3	Toluene	9.89		0.266	0.266	r
124-48-1	Dibromochloromethane	9.47		0.117	0.117	r
591-78-6	2-Hexanone(MBK)	9.95		0.244	0.244	r
106-93-4	1,2-Dibromoethane(EDB)	9.68		0.130	0.130	r
127-18-4	Tetrachloroethene	9.25		0.037	0.037	r
630-20-6	1,1,1,2-Tetrachloroethane	9.34		0.146	0.146	r
108-90-7	Chlorobenzene	9.53		0.217	0.217	r
100-41-4	Ethylbenzene	10.3		0.230	0.230	r
179601-23-1	m,p-Xylene	21.1		0.230	0.230	r
75-25-2	Bromoform	9.29		0.097	0.097	r
100-42-5	Styrene	10.5		0.235	0.235	r
79-34-5	1,1,2,2-Tetrachloroethane	10.1		0.146	0.146	r
95-47-6	o-Xylene	10.3		0.230	0.230	r
98-82-8	Isopropylbenzene	9.58		0.204	0.204	r
622-96-8	4-Ethyltoluene	10.5		0.204	0.204	r
108-67-8	1,3,5-Trimethylbenzene	10.1		0.204	0.204	r
95-63-6	1,2,4-Trimethylbenzene	10.5		0.204	0.204	r
100-44-7	Benzyl chloride	10.9		0.193	0.193	r
541-73-1	1,3-Dichlorobenzene	9.66		0.166	0.166	r
106-46-7	1,4-Dichlorobenzene	10.3		0.166	0.166	r
135-98-8	sec-Butylbenzene	9.84		0.182	0.182	r
99-87-6	4-Isopropyltoluene	9.84		0.182	0.182	r
95-50-1	1,2-Dichlorobenzene	10.3		0.166	0.166	r
104-51-8	n-Butylbenzene	9.96		0.182	0.182	r
120-82-1	1,2,4-Trichlorobenzene	9.16		0.135	0.135	r
91-20-3	Naphthalene	9.69		0.200	0.200	r
87-68-3	Hexachlorobutadiene	9.74		0.094	0.094	r

FORM I AIR

r=Result Reported U=Not Detected D=Reported Dilution E/J=Estimated Value X=Not Used S=Lab Solvent

Data Path : H:\AIR2025\CHEM20\09SEP\29\
 Data File : 0930_03.D
 Acq On : 30 Sep 2025 1:44 pm
 Operator :
 Client ID : CU37309 LCS
 Lab ID : CU37309 LCS
 ALS Vial : 5 Sample Multiplier: 1

Quant Time: Oct 01 04:59:30 2025
 Quant Method : H:\AIR2025\CHEM20\Methods\20_AIR_0909.M
 Quant Title : VOA Standards for 5 point calibration
 QLast Update : Tue Sep 30 13:55:37 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	6.949	130	165211	10.000	ng	0.00
36) 1,4-Difluorobenzene	8.126	114	599197	10.000	ng	0.00
53) Chlorobenzene-d5	10.624	82	300125	10.000	ng	0.00
78) Bromochloromethane(sim)	6.951	130	187974	10.000	ng	# 0.00
93) 1,4-Difluorobenzene(sim)	8.126	114	599197	10.000	ng	0.00
103) Chlorobenzene-d5(sim)	10.624	82	300125	10.000	ng	0.00
System Monitoring Compounds						
62) % Bromofluorobenzene	11.458	95	407355	10.288	ppbv	0.00
Spiked Amount	10.000	Range	70 - 130	Recovery	=	102.90%
Target Compounds						
					Qvalue	
2) Propylene	3.608	41	143304	9.574	ppbv	94
3) Dichlorodifluoromethane	3.673	85	443597	9.750	ppbv	99
4) Chloromethane	3.811	50	143439	9.492	ppbv	94
5) 1,2-Dichlorotetrafluor...	3.900	85	403555	9.482	ppbv#	80
6) Vinyl Chloride	3.998	62	144278	9.494	ppbv	92
7) 1,3-Butadiene	4.111	54	110558	9.561	ppbv	95
8) Bromomethane	4.338	94	146308	9.389	ppbv#	89
9) Chloroethane	4.476	64	62924	9.460	ppbv	92
11) Ethanol	4.565	45	55088	10.765	ppbv#	42
12) Acetone	4.922	43	273124	8.953	ppbv#	81
13) Trichlorofluoromethane	5.036	101	421673	9.127	ppbv#	94
14) Isopropylalcohol	5.093	45	296137	9.608	ppbv#	95
15) Acrylonitrile	5.239	53	112793	11.550	ppbv#	1
16) 1,1-Dichloroethene	5.479	61	246004	9.075	ppbv#	88
17) Methylene Chloride	5.563	49	190932	8.759	ppbv	97
20) Carbon Disulfide	5.777	76	378724	9.261	ppbv	96
21) Trichlorotrifluoroethane	5.729	101	304546	9.064	ppbv#	88
22) Trans-1,2-Dichloroethene	6.181	61	234161	9.980	ppbv	93
23) 1,1-Dichloroethane	6.312	63	282503	9.696	ppbv	96
24) Methyl tert-butyl ethe...	6.348	73	348978	9.604	ppbv#	85
25) Methyl Ethyl Ketone	6.557	43	382937	10.899	ppbv#	93
26) Cis-1,2-Dichloroethene	6.840	61	213013	9.565	ppbv	92
27) Hexane	6.956	57	224337	10.240	ppbv#	99
28) Chloroform	7.026	83	332213	9.677	ppbv	94
29) Ethyl acetate	6.956	61	55370	10.869	ppbv#	84
30) Tetrahydrofuran	7.282	42	170144	9.753	ppbv	91
31) 1,2-Dichloroethane	7.483	62	224505	9.457	ppbv#	89
32) 1,1,1-Trichloroethane	7.646	97	352071	9.466	ppbv	98
33) Benzene	7.935	78	453956	9.931	ppbv	97
34) Carbon Tetrachloride	8.022	117	396213	9.465	ppbv	99
35) Cyclohexane	8.100	84	167709	9.104	ppbv	89
37) 1,2-dichloropropane	8.420	63	203151	9.905	ppbv#	83
38) Bromodichloromethane	8.541	83	371018	9.524	ppbv	92
39) Trichloroethene	8.558	130	240952	9.629	ppbv#	84
40) 2,2,4-trimethylpentane	8.567	57	749146	10.028	ppbv	99
41) 1,4-Dioxane	8.558	88	100324	9.983	ppbv	90
43) Heptane	8.705	43	328246	10.282	ppbv	91
44) cis-1,3-Dichloropropene	9.054	75	286486	9.826	ppbv	96
45) 4-Methyl-2-pentanone(M...	9.061	43	440258	9.836	ppbv#	93
46) trans-1,3-Dichloropropene	9.349	75	224432	9.656	ppbv	96
47) 1,1,2-Trichloroethane	9.462	97	216081	9.629	ppbv	98
48) Toluene	9.624	91	601488	9.887	ppbv	98

Data Path : H:\AIR2025\CHEM20\09SEP\29\
 Data File : 0930_03.D
 Acq On : 30 Sep 2025 1:44 pm
 Operator :
 Client ID : CU37309 LCS
 Lab ID : CU37309 LCS
 ALS Vial : 5 Sample Multiplier: 1

Quant Time: Oct 01 04:59:30 2025
 Quant Method : H:\AIR2025\CHEM20\Methods\20_AIR_0909.M
 Quant Title : VOA Standards for 5 point calibration
 QLast Update : Tue Sep 30 13:55:37 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
49) Dibromochloromethane	9.877	129	448745	9.472	ppbv	98
50) 2-Hexanone(MBK)	9.743	43	414044	9.952	ppbv#	42
51) 1,2-Dibromoethane(EDB)	10.018	107	363266	9.681	ppbv	97
52) Tetrachloroethene	10.264	166	387226	9.245	ppbv#	88
54) 1,1,1,2-Tetrachloroethane	10.632	131	285167	9.336	ppbv#	92
55) Chlorobenzene	10.647	112	487669	9.530	ppbv	83
56) Ethylbenzene	10.837	91	764921	10.289	ppbv	84
57) m, p-Xylene	10.935	91	1201226	21.089	ppbv	100
58) Bromoform	11.011	173	521603	9.286	ppbv	97
59) Styrene	11.140	104	458811	10.530	ppbv#	71
60) 1,1,2,2-Tetrachloroethane	11.201	83	473370	10.114	ppbv	98
61) o-Xylene	11.201	91	615413	10.308	ppbv#	89
64) Isopropylbenzene	11.527	105	868613	9.579	ppbv#	94
65) 4-Ethyltoluene	11.898	105	912290	10.452	ppbv	91
66) 1,3,5-Trimethylbenzene	11.936	105	725179	10.071	ppbv#	91
67) 1,2,4-Trimethylbenzene	12.195	105	760582	10.462	ppbv#	91
68) Benzyl chloride	12.286	91	605141	10.921	ppbv#	93
69) 1,3-Dichlorobenzene	12.301	146	590580	9.659	ppbv#	88
70) 1,4-Dichlorobenzene	12.347	146	573626	10.312	ppbv	100
71) sec-Butylbenzene	12.354	105	1068319	9.843	ppbv#	89
72) 4-Isopropyltoluene	12.445	119	1000352	9.838	ppbv	100
73) 1,2-Dichlorobenzene	12.559	146	575748	10.280	ppbv#	90
74) n-Butylbenzene	12.711	91	874383	9.963	ppbv	97
75) 1,2,4-Trichlorobenzene	13.706	180	383639	9.155	ppbv	94
76) Naphthalene	13.797	128	642838	9.686	ppbv#	96
77) Hexachlorobutadiene	14.040	225	533051	9.742	ppbv	98
79] 1,2-Dichlorotetrafluor...	3.900	85	403538	8.721	ppbv#	80
80] Vinyl Chloride(sim)	4.000	62	158107	7.905	ppbv	100
81] Bromomethane(sim)	4.338	94	146308	7.500	ppbv#	89
82] Trichlorofluoromethane...	5.039	101	464803	7.640	ppbv#	96
83] 1,2-Dichloroethane(sim)	7.483	62	224505	7.745	ppbv#	14
84] 1,1,1-Trichloroethane(...	7.649	97	396328	8.191	ppbv#	94
85] Benzene(sim)	7.935	78	454018	9.113	ppbv	97
86] Carbon Tetrachloride(sim)	8.025	117	438500	8.245	ppbv	100
87] 1,1-Dichloroethene(sim)	5.479	61	246004	7.433	ppbv#	88
88] Trichlorotrifluoroetha...	5.732	101	334687	7.143	ppbv#	92
89] Trans-1,2-Dichloroethe...	6.181	61	234161	9.186	ppbv	93
90] 1,1-Dichloroethane(sim)	6.315	63	310998	8.138	ppbv	99
91] Cis-1,2-Dichloroethene...	6.840	61	212843	7.887	ppbv	92
92] Chloroform(sim)	7.029	83	358057	8.310	ppbv	96
94] 1,2-dichloropropane(sim)	8.423	63	222181	8.855	ppbv#	84
95] Bromodichloromethane(sim)	8.541	83	371018	8.567	ppbv	93
96] Trichloroethene(sim)	8.561	130	269911	8.417	ppbv	91
97] 1,4-Dioxane(sim)	8.558	88	100324	10.332	ppbv	90
98] cis-1,3-Dichloropropen...	9.056	75	320101	9.161	ppbv	97
99] 1,1,2-Trichloroethane(...	9.462	97	216081	8.094	ppbv	98
100] Dibromochloromethane(sim)	9.880	129	495944	8.342	ppbv	100
101] 1,2-Dibromoethane(EDB)...	10.018	107	363266	8.439	ppbv	97
102] Tetrachloroethene(sim)	10.267	166	440488	8.266	ppbv	94
104] Bromoform(sim)	11.014	173	591735	8.134	ppbv	98
105] m, p-Xylene(sim)	10.935	91	1203035	19.641	ppbv#	92
106] 1,1,2,2-Tetrachloroeth...	11.196	83	505415	7.900	ppbv	96
107] Benzyl chloride(sim)	12.286	91	605141	11.671	ppbv	93
108] 1,3-Dichlorobenzene(sim)	12.304	146	702207	9.327	ppbv#	92
109] 1,4-Dichlorobenzene(sim)	12.347	146	574006	9.693	ppbv	87

Data Path : H:\AIR2025\CHEM20\09SEP\29\
Data File : 0930_03.D
Acq On : 30 Sep 2025 1:44 pm
Operator :
Client ID : CU37309 LCS
Lab ID : CU37309 LCS
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Oct 01 04:59:30 2025
Quant Method : H:\AIR2025\CHEM20\Methods\20_AIR_0909.M
Quant Title : VOA Standards for 5 point calibration
QLast Update : Tue Sep 30 13:55:37 2025
Response via : Initial Calibration

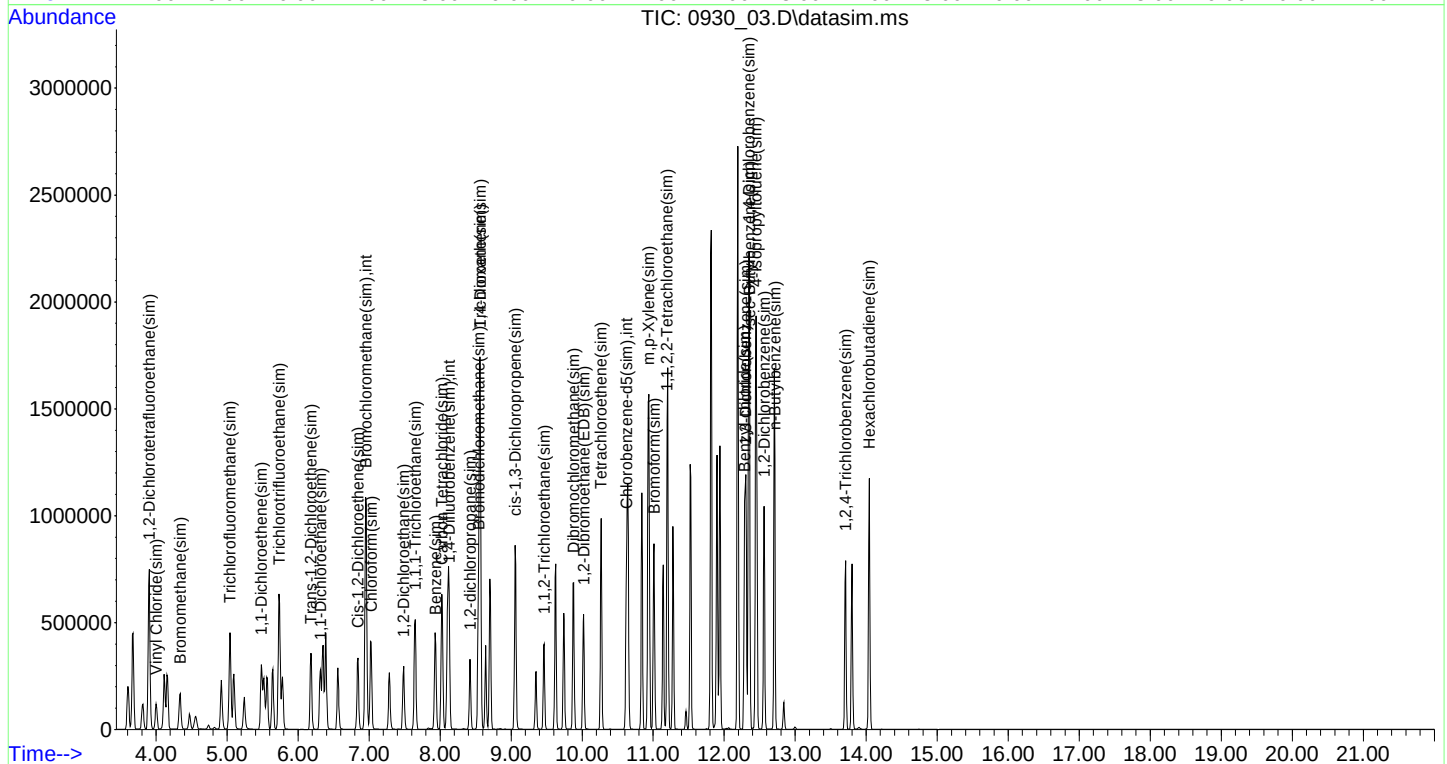
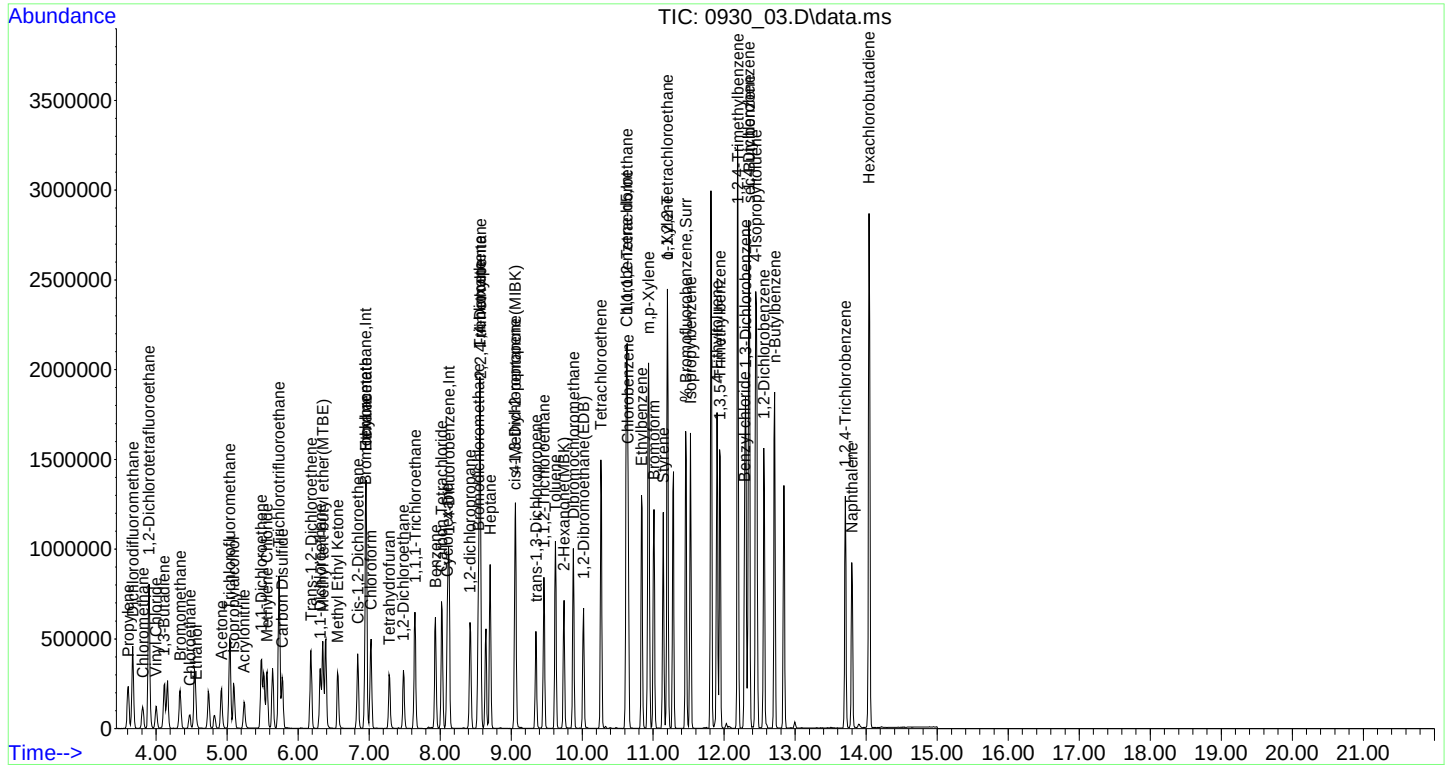
	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
110]	sec-Butylbenzene(sim)	12.357	105	1168849	9.570	ppbv	95
111]	4-Isopropyltoluene(sim)	12.445	119	1000189	9.810	ppbv#	83
112]	1,2-Dichlorobenzene(sim)	12.562	146	658425	9.574	ppbv	92
113]	n-Butylbenzene(sim)	12.711	91	874383	10.199	ppbv	97
114]	1,2,4-Trichlorobenzene...	13.709	180	454476	10.111	ppbv	97
116]	Hexachlorobutadiene(sim)	14.043	225	619088	7.673	ppbv	98

(#)out of range (m>manual integration reviewed by analyst (+)signals summed

(QT Reviewed)

Data Path : H:\AIR2025\CHEM20\09SEP\29\
Data File : 0930_03.D
Acq On : 30 Sep 2025 1:44 pm
Operator :
Client ID : CU37309 LCS
Lab ID : CU37309 LCS
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Oct 01 04:59:30 2025
Quant Method : H:\AIR2025\CHEM20\Methods\20_AIR_0909.M
Quant Title : VOA Standards for 5 point calibration
Qlast Update : Tue Sep 30 13:55:37 2025
Response via : Initial Calibration



1
AIR ANALYSIS DATA SHEET

CLIENT ID

CU37309 BLANK

Client:	FPMGROUP	Lab:	Phoenix Env. Labs
SDG No.:	GCU37304	Lab Sample ID:	CU37309 BL
Canister:	BL	Lab File ID:	0930_04.D
Instrument:	CHEM20	Column:	RTX-1 60M
		Date Received:	09/29/25
Purge Volume	200	(cc)	
		Date Analyzed:	09/30/25
Matrix:	AIR	Dilution Factor:	1

CONCENTRATION UNITS: (ppbv or ug/m3) ppbv

CAS NO.	COMPOUND	CONC.	Q	MDL	PQL	R
115-07-1	Propylene	0.580	U	0.580	0.580	r
75-71-8	Dichlorodifluoromethane	0.200	U	0.200	0.200	r
74-87-3	Chloromethane	0.480	U	0.480	0.480	r
106-99-0	1,3-Butadiene	0.450	U	0.450	0.450	r
75-00-3	Chloroethane	0.380	U	0.380	0.380	r
64-17-5	Ethanol	0.530	U	0.530	0.530	r
67-64-1	Acetone	0.420	U	0.420	0.420	r
67-63-0	Isopropylalcohol	0.410	U	0.410	0.410	r
107-13-1	Acrylonitrile	0.460	U	0.460	0.460	r
75-09-2	Methylene Chloride	0.860	U	0.860	0.860	r
75-15-0	Carbon Disulfide	0.320	U	0.320	0.320	r
1634-04-4	Methyl tert-butyl ether(MTBE)	0.280	U	0.280	0.280	r
78-93-3	Methyl Ethyl Ketone	0.340	U	0.340	0.340	r
110-54-3	Hexane	0.280	U	0.280	0.280	r
141-78-6	Ethyl acetate	0.280	U	0.280	0.280	r
109-99-9	Tetrahydrofuran	0.340	U	0.340	0.340	r
110-82-7	Cyclohexane	0.290	U	0.290	0.290	r
540-84-1	2,2,4-trimethylpentane	0.210	U	0.210	0.210	r
142-82-5	Heptane	0.240	U	0.240	0.240	r
108-10-1	4-Methyl-2-pentanone(MIBK)	0.240	U	0.240	0.240	r
10061-02-6	trans-1,3-Dichloropropene	0.220	U	0.220	0.220	r
108-88-3	Toluene	0.270	U	0.270	0.270	r
591-78-6	2-Hexanone(MBK)	0.240	U	0.240	0.240	r
630-20-6	1,1,1,2-Tetrachloroethane	0.150	U	0.150	0.150	r
108-90-7	Chlorobenzene	0.220	U	0.220	0.220	r
100-41-4	Ethylbenzene	0.230	U	0.230	0.230	r
100-42-5	Styrene	0.230	U	0.230	0.230	r
95-47-6	o-Xylene	0.230	U	0.230	0.230	r
98-82-8	Isopropylbenzene	0.200	U	0.200	0.200	r
622-96-8	4-Ethyltoluene	0.200	U	0.200	0.200	r
108-67-8	1,3,5-Trimethylbenzene	0.200	U	0.200	0.200	r
95-63-6	1,2,4-Trimethylbenzene	0.200	U	0.200	0.200	r
91-20-3	Naphthalene	0.200	U	0.200	0.200	r
76-14-2	1,2-Dichlorotetrafluoroethane(sim)	0.140	U	0.140	0.140	r
75-01-4	Vinyl Chloride(sim)	0.078	U	0.078	0.078	r
74-83-9	Bromomethane(sim)	0.260	U	0.260	0.260	r

FORM I AIR

r=Result Reported U=Not Detected D=Reported Dilution E/J=Estimated Value X=Not Used S=Lab Solvent

1
AIR ANALYSIS DATA SHEET

CLIENT ID

CU37309 BLANK

Client: FPMGROUP Lab: Phoenix Env. Labs

SDG No.: GCU37304 Lab Sample ID: CU37309 BL

Canister: BL Lab File ID: 0930_04.D

Instrument: CHEM20 Column: RTX-1 60M Date Received: 09/29/25

Purge Volume 200 (cc) Date Analyzed: 09/30/25

Matrix: AIR Dilution Factor: 1

CONCENTRATION UNITS: (ppbv or ug/m3) ppbv

CAS NO.	COMPOUND	CONC.	Q	MDL	PQL	R
75-69-4	Trichlorofluoromethane(sim)	0.180	U	0.180	0.180	r
107-06-2	1,2-Dichloroethane(sim)	0.250	U	0.250	0.250	r
71-55-6	1,1,1-Trichloroethane(sim)	0.180	U	0.180	0.180	r
71-43-2	Benzene(sim)	0.310	U	0.310	0.310	r
56-23-5	Carbon Tetrachloride(sim)	0.032	U	0.032	0.032	r
75-35-4	1,1-Dichloroethene(sim)	0.050	U	0.050	0.050	r
76-13-1	Trichlorotrifluoroethane(sim)	0.130	U	0.130	0.130	r
156-60-5	Trans-1,2-Dichloroethene(sim)	0.250	U	0.250	0.250	r
75-34-3	1,1-Dichloroethane(sim)	0.250	U	0.250	0.250	r
156-59-2	Cis-1,2-Dichloroethene(sim)	0.050	U	0.050	0.050	r
67-66-3	Chloroform(sim)	0.200	U	0.200	0.200	r
78-87-5	1,2-dichloropropane(sim)	0.220	U	0.220	0.220	r
75-27-4	Bromodichloromethane(sim)	0.150	U	0.150	0.150	r
79-01-6	Trichloroethene(sim)	0.037	U	0.037	0.037	r
123-91-1	1,4-Dioxane(sim)	0.280	U	0.280	0.280	r
10061-01-5	cis-1,3-Dichloropropene(sim)	0.220	U	0.220	0.220	r
79-00-5	1,1,2-Trichloroethane(sim)	0.180	U	0.180	0.180	r
124-48-1	Dibromochloromethane(sim)	0.120	U	0.120	0.120	r
106-93-4	1,2-Dibromoethane(EDB)(sim)	0.130	U	0.130	0.130	r
127-18-4	Tetrachloroethene(sim)	0.037	U	0.037	0.037	r
75-25-2	Bromoform(sim)	0.097	U	0.097	0.097	r
179601-23-1	m,p-Xylene(sim)	0.230	U	0.230	0.230	r
79-34-5	1,1,2,2-Tetrachloroethane(sim)	0.150	U	0.150	0.150	r
100-44-7	Benzyl chloride(sim)	0.190	U	0.190	0.190	r
541-73-1	1,3-Dichlorobenzene(sim)	0.170	U	0.170	0.170	r
106-46-7	1,4-Dichlorobenzene(sim)	0.170	U	0.170	0.170	r
135-98-8	sec-Butylbenzene(sim)	0.180	U	0.180	0.180	r
99-87-6	4-Isopropyltoluene(sim)	0.180	U	0.180	0.180	r
95-50-1	1,2-Dichlorobenzene(sim)	0.170	U	0.170	0.170	r
104-51-8	n-Butylbenzene(sim)	0.180	U	0.180	0.180	r
120-82-1	1,2,4-Trichlorobenzene(sim)	0.130	U	0.130	0.130	r
87-68-3	Hexachlorobutadiene(sim)	0.094	U	0.094	0.094	r

FORM I AIR

r=Result Reported U=Not Detected D=Reported Dilution E/J=Estimated Value X=Not Used S=Lab Solvent

Data Path : H:\AIR2025\CHEM20\09SEP\29\
 Data File : 0930_04.D
 Acq On : 30 Sep 2025 2:15 pm
 Operator :
 Client ID : CU37309 BLANK
 Lab ID : CU37309 BLANK
 ALS Vial : 6 Sample Multiplier: 1

Quant Time: Oct 01 05:00:55 2025
 Quant Method : H:\AIR2025\CHEM20\Methods\20_AIR_0909.M
 Quant Title : VOA Standards for 5 point calibration
 QLast Update : Tue Sep 30 13:55:37 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Bromochloromethane	6.949	130	181580	10.000	ng	0.00
36) 1,4-Difluorobenzene	8.126	114	601253	10.000	ng	0.00
53) Chlorobenzene-d5	10.624	82	295055	10.000	ng	0.00
78) Bromochloromethane(sim)	6.951	130	201904	10.000	ng	# 0.00
93) 1,4-Difluorobenzene(sim)	8.126	114	601253	10.000	ng	0.00
103) Chlorobenzene-d5(sim)	10.624	82	295055	10.000	ng	0.00

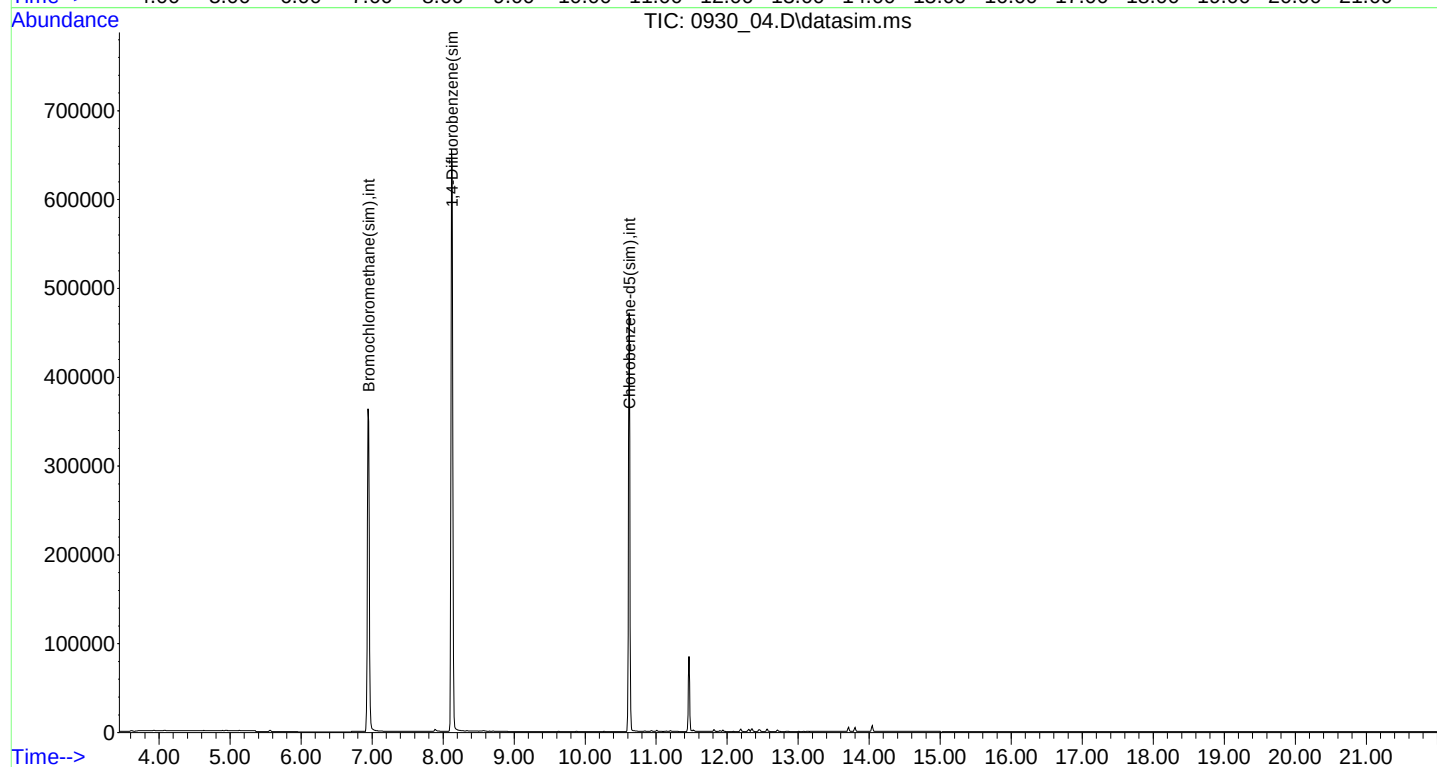
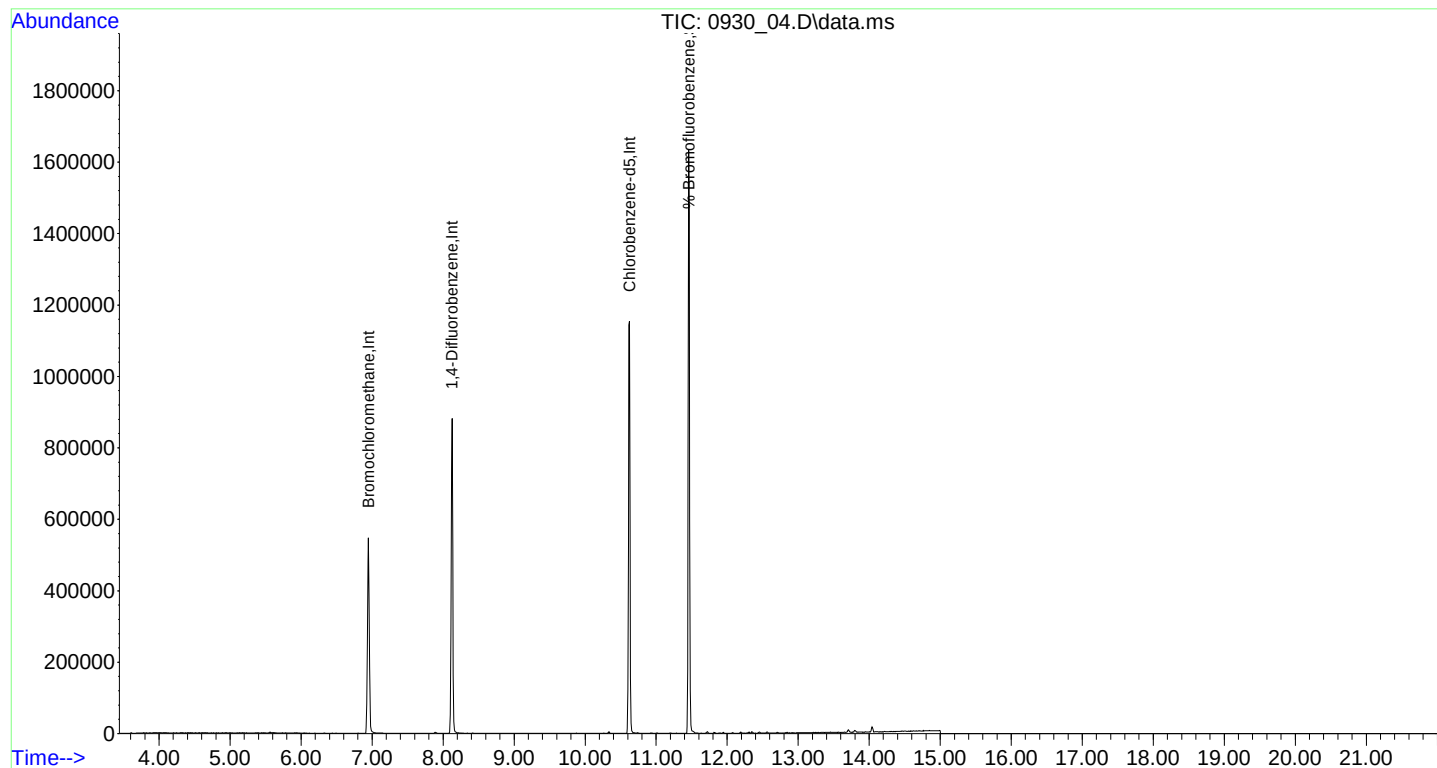
System Monitoring Compounds						
62) % Bromofluorobenzene	11.458	95	393679	10.113	ppbv	0.00
Spiked Amount	10.000	Range	70 - 130	Recovery	=	101.10%

Target Compounds	Qvalue

(#)out of range (m)manual integration reviewed by analyst (+)signals summed

Data Path : H:\AIR2025\CHEM20\09SEP\29\
Data File : 0930_04.D
Acq On : 30 Sep 2025 2:15 pm
Operator :
Client ID : CU37309 BLANK
Lab ID : CU37309 BLANK
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Oct 01 05:00:55 2025
Quant Method : H:\AIR2025\CHEM20\Methods\20_AIR_0909.M
Quant Title : VOA Standards for 5 point calibration
QLast Update : Tue Sep 30 13:55:37 2025
Response via : Initial Calibration



1
AIR ANALYSIS DATA SHEET

CLIENT ID

Client:	<u>FPMGROUP</u>	Lab:	<u>Phoenix Env. Labs</u>	PT-IA-1 DUP
SDG No.:	<u>GCU37304</u>	Lab Sample ID:	<u>CU37309 DUP</u>	
Canister:	<u>49205</u>	Lab File ID:	<u>0930_13.D</u>	
Instrument:	<u>CHEM20</u>	Column:	<u>RTX-1 60M</u>	Date Received:
				<u>09/29/25</u>
Purge Volume	<u>200</u> (cc)	Date Analyzed:	<u>09/30/25</u>	
Matrix:	<u>AIR</u>	Dilution Factor:	<u>1</u>	

CONCENTRATION UNITS: (ppbv or ug/m3) ppbv

CAS NO.	COMPOUND	CONC.	Q	MDL	PQL	R
115-07-1	Propylene	0.581	U	0.581	0.581	r
75-71-8	Dichlorodifluoromethane	0.401		0.202	0.202	r
74-87-3	Chloromethane	0.576		0.485	0.485	r
106-99-0	1,3-Butadiene	0.452	U	0.452	0.452	r
75-00-3	Chloroethane	0.379	U	0.379	0.379	r
64-17-5	Ethanol	1490	S	0.531	0.531	r
67-64-1	Acetone	26.6	S	0.421	0.421	r
67-63-0	Isopropylalcohol	227	S	0.407	0.407	r
107-13-1	Acrylonitrile	0.461	U	0.461	0.461	r
75-09-2	Methylene Chloride	0.981	S	0.863	0.863	r
75-15-0	Carbon Disulfide	0.321	U	0.321	0.321	r
1634-04-4	Methyl tert-butyl ether(MTBE)	0.278	U	0.278	0.278	r
78-93-3	Methyl Ethyl Ketone	0.798		0.339	0.339	r
110-54-3	Hexane	0.284	U	0.284	0.284	r
141-78-6	Ethyl acetate	0.515		0.278	0.278	r
109-99-9	Tetrahydrofuran	0.339	U	0.339	0.339	r
110-82-7	Cyclohexane	0.291	U	0.291	0.291	r
540-84-1	2,2,4-trimethylpentane	0.215	U	0.215	0.215	r
142-82-5	Heptane	0.244	U	0.244	0.244	r
108-10-1	4-Methyl-2-pentanone(MIBK)	0.244	U	0.244	0.244	r
10061-02-6	trans-1,3-Dichloropropene	0.220	U	0.220	0.220	r
108-88-3	Toluene	0.753		0.266	0.266	r
591-78-6	2-Hexanone(MBK)	0.244	U	0.244	0.244	r
127-18-4	Tetrachloroethene	2.77		0.037	0.037	r
630-20-6	1,1,1,2-Tetrachloroethane	0.146	U	0.146	0.146	r
108-90-7	Chlorobenzene	0.217	U	0.217	0.217	r
100-41-4	Ethylbenzene	0.230	U	0.230	0.230	r
100-42-5	Styrene	0.235	U	0.235	0.235	r
95-47-6	o-Xylene	0.230	U	0.230	0.230	r
98-82-8	Isopropylbenzene	0.204	U	0.204	0.204	r
622-96-8	4-Ethyltoluene	0.204	U	0.204	0.204	r
108-67-8	1,3,5-Trimethylbenzene	0.204	U	0.204	0.204	r
95-63-6	1,2,4-Trimethylbenzene	0.204	U	0.204	0.204	r
91-20-3	Naphthalene	0.200	U	0.200	0.200	r
76-14-2	1,2-Dichlorotetrafluoroethane(sim)	0.143	U	0.143	0.143	r
75-01-4	Vinyl Chloride(sim)	0.078	U	0.078	0.078	r

FORM I AIR

r=Result Reported U=Not Detected D=Reported Dilution E/J=Estimated Value X=Not Used S=Lab Solvent

1
AIR ANALYSIS DATA SHEET

CLIENT ID

Client:	<u>FPMGROUP</u>	Lab:	<u>Phoenix Env. Labs</u>	PT-IA-1 DUP
SDG No.:	<u>GCU37304</u>	Lab Sample ID:	<u>CU37309 DUP</u>	
Canister:	<u>49205</u>	Lab File ID:	<u>0930_13.D</u>	
Instrument:	<u>CHEM20</u>	Column:	<u>RTX-1 60M</u>	Date Received:
				<u>09/29/25</u>
Purge Volume	<u>200</u> (cc)	Date Analyzed:	<u>09/30/25</u>	
Matrix:	<u>AIR</u>	Dilution Factor:	<u>1</u>	

CONCENTRATION UNITS: (ppbv or ug/m3) ppbv

CAS NO.	COMPOUND	CONC.	Q	MDL	PQL	R
74-83-9	Bromomethane(sim)	0.258	U	0.258	0.258	r
75-69-4	Trichlorofluoromethane(sim)	0.178	U	0.178	0.178	r
107-06-2	1,2-Dichloroethane(sim)	0.247	U	0.247	0.247	r
71-55-6	1,1,1-Trichloroethane(sim)	0.183	U	0.183	0.183	r
71-43-2	Benzene(sim)	0.313	U	0.313	0.313	r
56-23-5	Carbon Tetrachloride(sim)	0.065		0.032	0.032	r
75-35-4	1,1-Dichloroethene(sim)	0.051	U	0.051	0.051	r
76-13-1	Trichlorotrifluoroethane(sim)	0.131	U	0.131	0.131	r
156-60-5	Trans-1,2-Dichloroethene(sim)	0.252	U	0.252	0.252	r
75-34-3	1,1-Dichloroethane(sim)	0.247	U	0.247	0.247	r
156-59-2	Cis-1,2-Dichloroethene(sim)	0.051	U	0.051	0.051	r
67-66-3	Chloroform(sim)	0.205	U	0.205	0.205	r
78-87-5	1,2-dichloropropane(sim)	0.217	U	0.217	0.217	r
75-27-4	Bromodichloromethane(sim)	0.149	U	0.149	0.149	r
79-01-6	Trichloroethene(sim)	0.162		0.037	0.037	r
123-91-1	1,4-Dioxane(sim)	0.278	U	0.278	0.278	r
10061-01-5	cis-1,3-Dichloropropene(sim)	0.220	U	0.220	0.220	r
79-00-5	1,1,2-Trichloroethane(sim)	0.183	U	0.183	0.183	r
124-48-1	Dibromochloromethane(sim)	0.117	U	0.117	0.117	r
106-93-4	1,2-Dibromoethane(EDB)(sim)	0.130	U	0.130	0.130	r
75-25-2	Bromoform(sim)	0.097	U	0.097	0.097	r
179601-23-1	m,p-Xylene(sim)	0.230	U	0.230	0.230	r
79-34-5	1,1,2,2-Tetrachloroethane(sim)	0.146	U	0.146	0.146	r
100-44-7	Benzyl chloride(sim)	0.193	U	0.193	0.193	r
541-73-1	1,3-Dichlorobenzene(sim)	0.166	U	0.166	0.166	r
106-46-7	1,4-Dichlorobenzene(sim)	0.166	U	0.166	0.166	r
135-98-8	sec-Butylbenzene(sim)	0.182	U	0.182	0.182	r
99-87-6	4-Isopropyltoluene(sim)	0.182	U	0.182	0.182	r
95-50-1	1,2-Dichlorobenzene(sim)	0.166	U	0.166	0.166	r
104-51-8	n-Butylbenzene(sim)	0.182	U	0.182	0.182	r
120-82-1	1,2,4-Trichlorobenzene(sim)	0.135	U	0.135	0.135	r
87-68-3	Hexachlorobutadiene(sim)	0.094	U	0.094	0.094	r

FORM I AIR

r=Result Reported U=Not Detected D=Reported Dilution E/J=Estimated Value X=Not Used S=Lab Solvent

Data Path : H:\AIR2025\CHEM20\09SEP\29\
 Data File : 0930_13.D
 Acq On : 30 Sep 2025 8:38 pm
 Operator :
 Client ID : PT-IA-1 DUP
 Lab ID : CU37309 DUP
 ALS Vial : 15 Sample Multiplier: 1

Quant Time: Oct 01 05:03:52 2025
 Quant Method : H:\AIR2025\CHEM20\Methods\20_AIR_0909.M
 Quant Title : VOA Standards for 5 point calibration
 QLast Update : Tue Sep 30 13:55:37 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

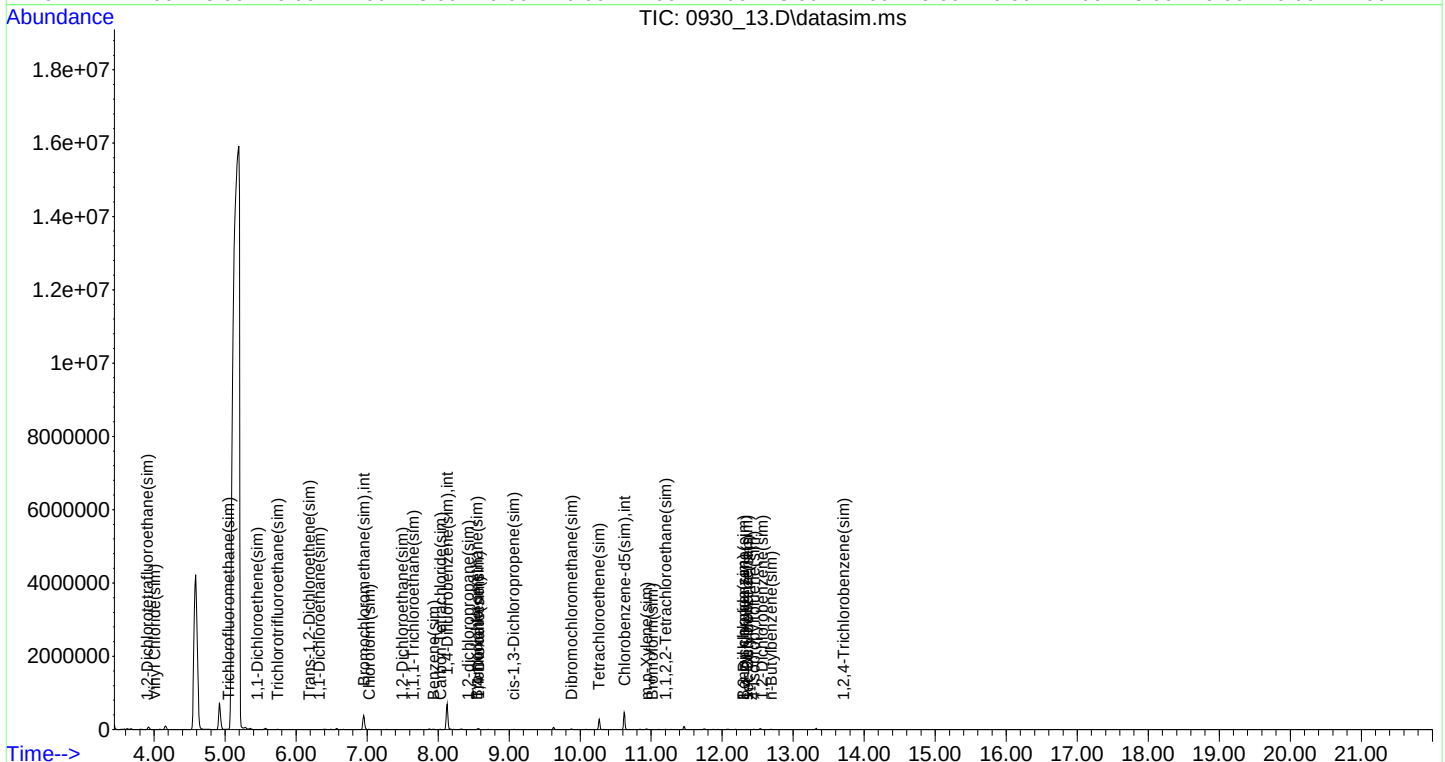
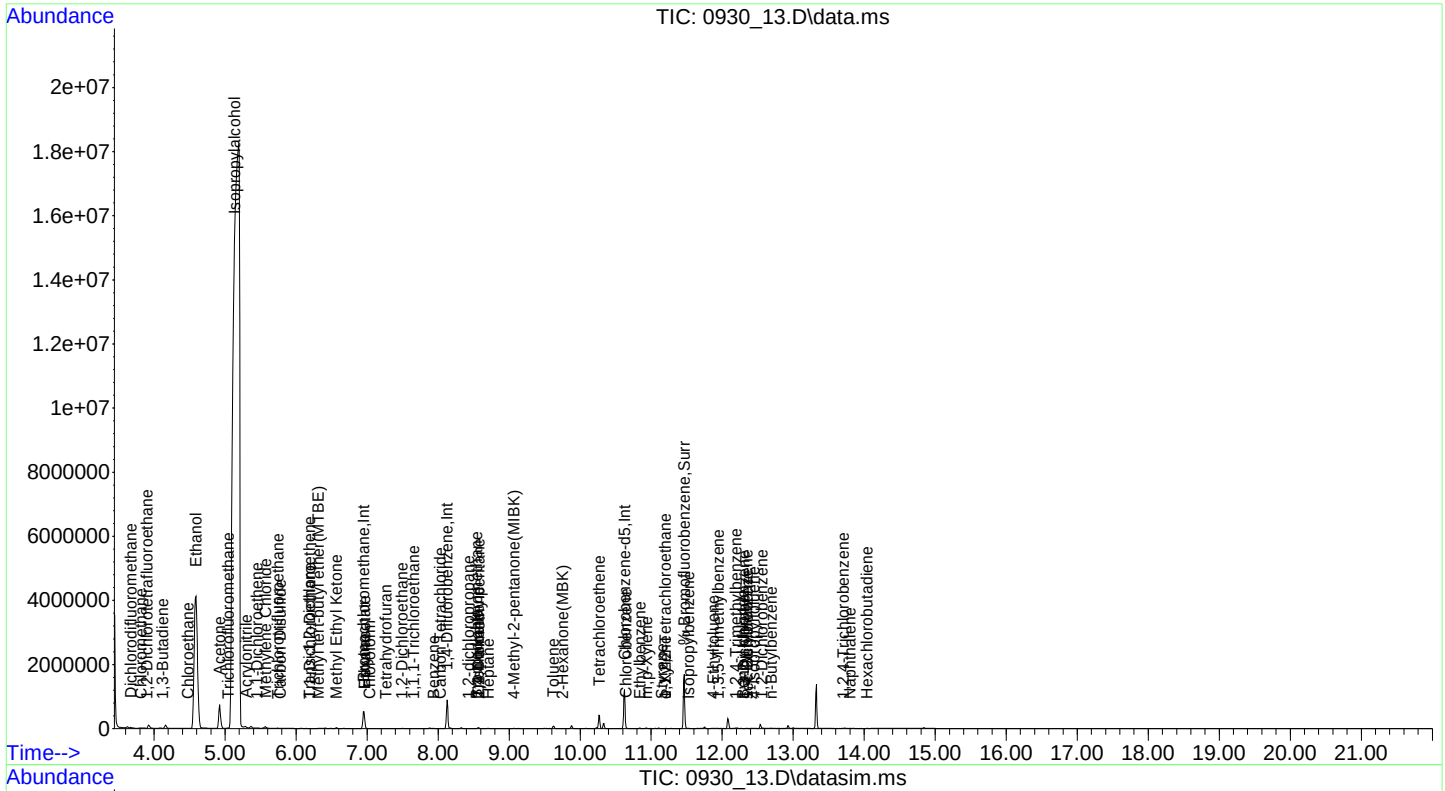
Internal Standards						
1) Bromochloromethane	6.949	130	174505	10.000	ng	0.00
36) 1,4-Difluorobenzene	8.126	114	592494	10.000	ng	0.00
53) Chlorobenzene-d5	10.624	82	295197	10.000	ng	0.00
78) Bromochloromethane(sim)	6.952	130	195075	10.000	ng	# 0.00
93) 1,4-Difluorobenzene(sim)	8.126	114	592494	10.000	ng	0.00
103) Chlorobenzene-d5(sim)	10.624	82	295197	10.000	ng	0.00
System Monitoring Compounds						
62) % Bromofluorobenzene	11.466	95	407592	10.466	ppbv	0.00
Spiked Amount	10.000	Range	70 - 130	Recovery	=	104.70%
Target Compounds						
						Qvalue
3) Dichlorodifluoromethane	3.673	85	19285	0.401	ppbv	98
4) Chloromethane	3.811	50	9201	0.576	ppbv	92
11) Ethanol	4.590	45	8033729	1486.255	ppbv#	43
12) Acetone	4.922	43	858514	26.643	ppbv#	81
13) Trichlorofluoromethane	5.044	101	8874	0.182	ppbv	96
14) Isopropylalcohol	5.133	45	7397334	227.220	ppbv#	98
17) Methylene Chloride	5.569	49	22594	0.981	ppbv	98
25) Methyl Ethyl Ketone	6.568	43	29603	0.798	ppbv#	93
29) Ethyl acetate	6.964	61	2769	0.515	ppbv#	75
34) Carbon Tetrachloride	8.030	117	2916	0.066	ppbv	99
39) Trichloroethene	8.567	130	4401	0.178	ppbv	84
48) Toluene	9.624	91	45288	0.753	ppbv	97
52) Tetrachloroethene	10.271	166	114672	2.769	ppbv#	86
86] Carbon Tetrachloride(sim)	8.033	117	3574	0.065	ppbv	94
96] Trichloroethene(sim)	8.561	130	5151	0.162	ppbv	91
102] Tetrachloroethene(sim)	10.267	166	128141	2.432	ppbv	94

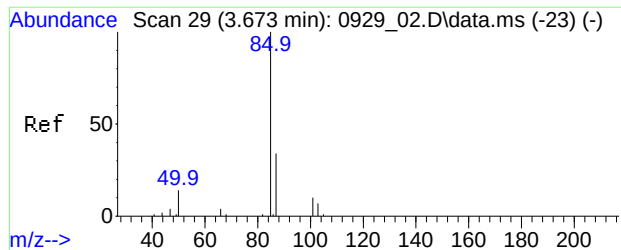
(#)out of range (m)manual integration reviewed by analyst (+)signals summed

(QT Reviewed)

Data Path : H:\AIR2025\CHEM20\09SEP\29\
Data File : 0930_13.D
Acq On : 30 Sep 2025 8:38 pm
Operator :
Client ID : PT-IA-1 DUP
Lab ID : CU37309 DUP
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Oct 01 05:03:52 2025
Quant Method : H:\AIR2025\CHEM20\Methods\20_AIR_0909.M
Quant Title : VOA Standards for 5 point calibration
QLast Update : Tue Sep 30 13:55:37 2025
Response via : Initial Calibration

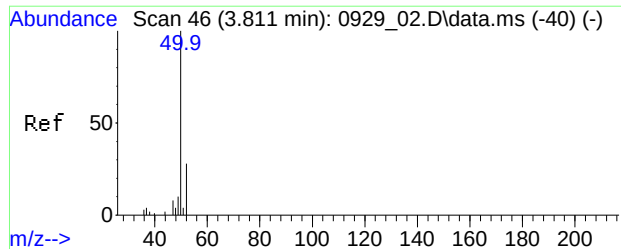
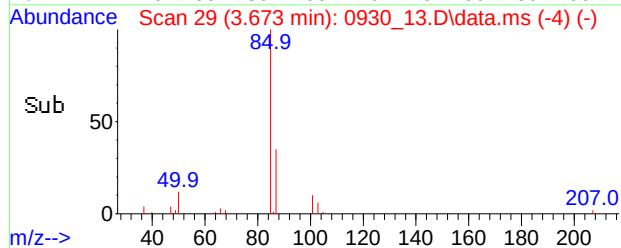
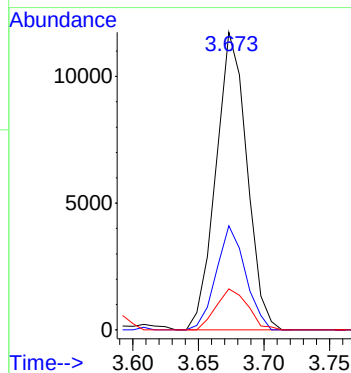
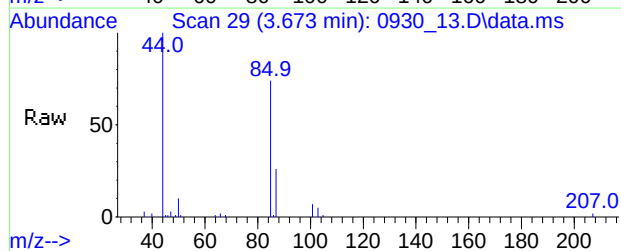




#3
Dichlorodifluoromethane
Conc: 8\$ 0.401 ppbv
RT: 3.673 min Scan# 29
Delta R.T. 0.000 min
Lab File: 0930_13.D
Acq: 30 Sep 2025 8:38 pm

Tgt Ion: 85 Resp: 19285

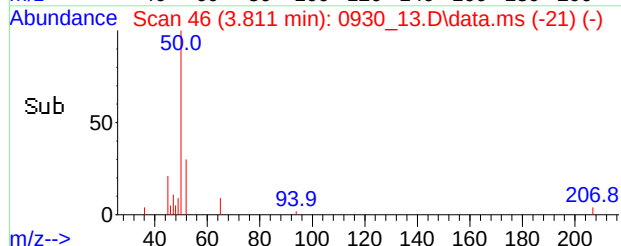
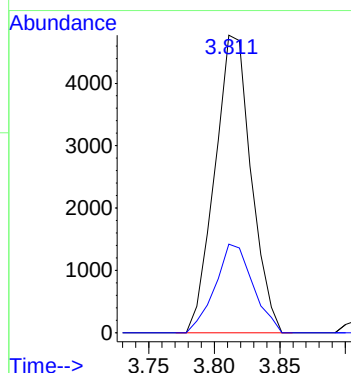
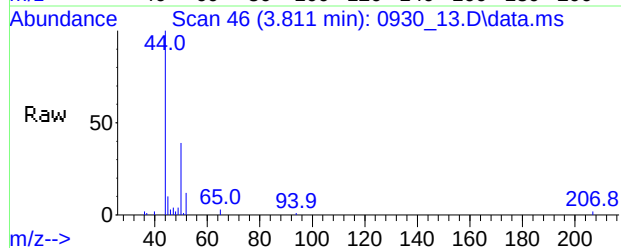
Ion	Ratio	Lower	Upper
85	100		
87	33.1	25.8	38.8
50	14.1	10.6	15.8

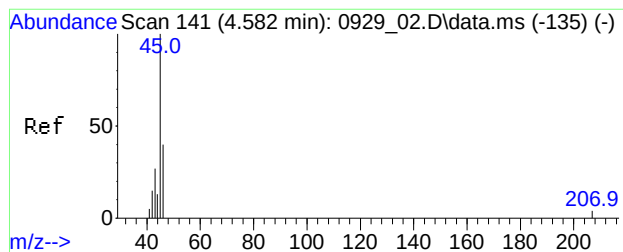


#4
Chloromethane
Conc: 8\$ 0.576 ppbv
RT: 3.811 min Scan# 46
Delta R.T. 0.000 min
Lab File: 0930_13.D
Acq: 30 Sep 2025 8:38 pm

Tgt Ion: 50 Resp: 9201

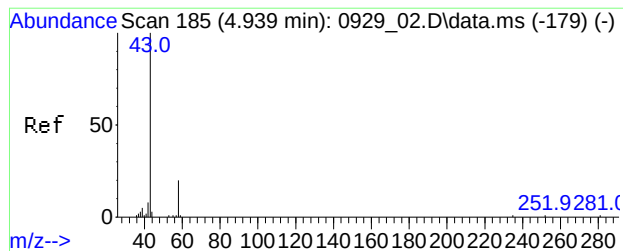
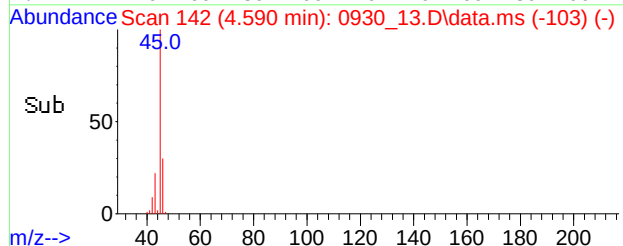
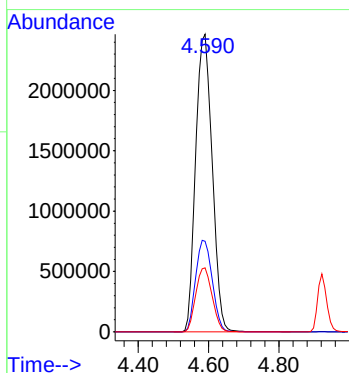
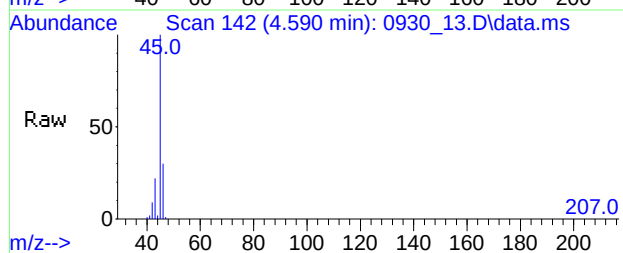
Ion	Ratio	Lower	Upper
50	100		
52	31.0	15.5	55.5





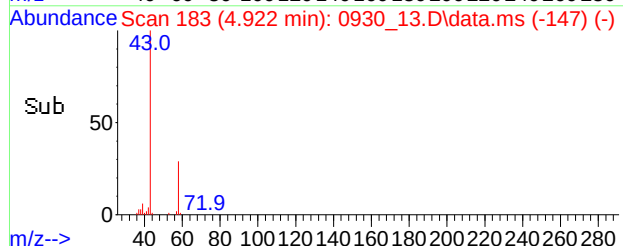
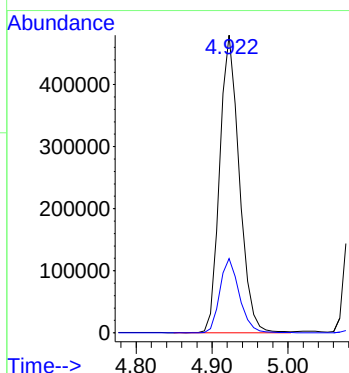
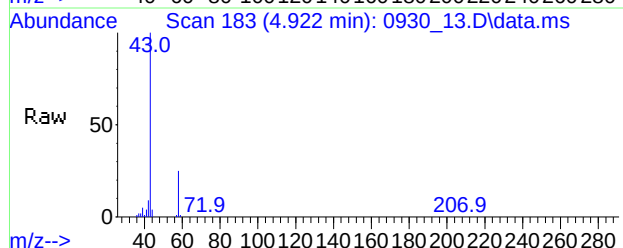
#11
Ethanol
Conc: 8\$ 1486.255 ppbv
RT: 4.590 min Scan# 142
Delta R.T. 0.016 min
Lab File: 0930_13.D
Acq: 30 Sep 2025 8:38 pm

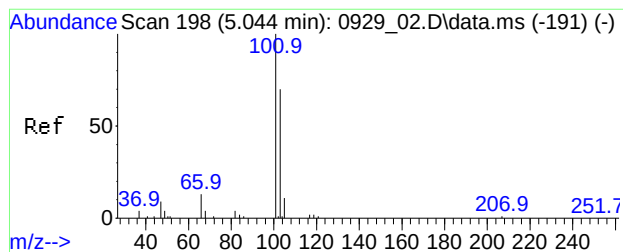
Tgt Ion: 45 Resp: 8033729
Ion Ratio Lower Upper
45 100
46 31.0 0.6 0.8#
43 21.3 0.0 0.0#



#12
Acetone
Conc: 8\$ 26.643 ppbv
RT: 4.922 min Scan# 183
Delta R.T. -0.008 min
Lab File: 0930_13.D
Acq: 30 Sep 2025 8:38 pm

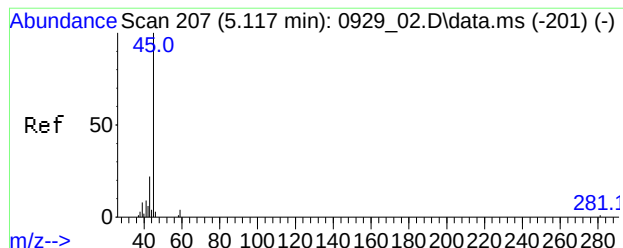
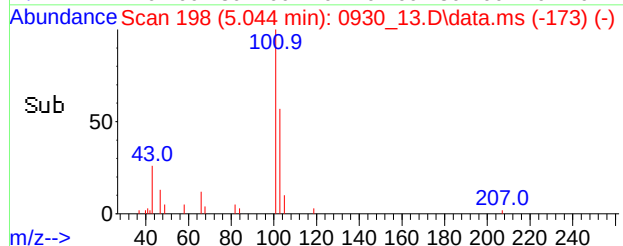
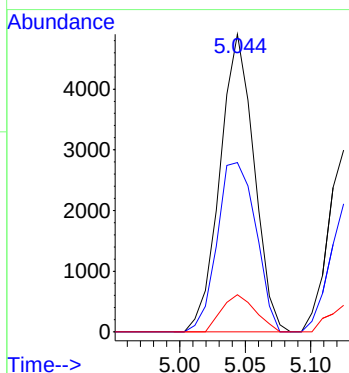
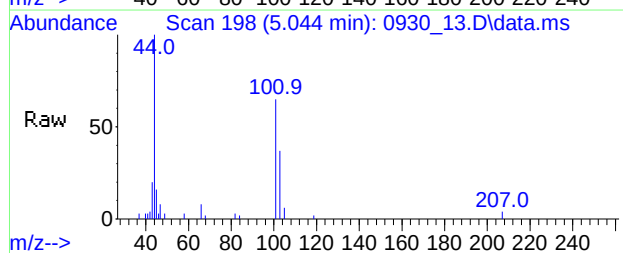
Tgt Ion: 43 Resp: 858514
Ion Ratio Lower Upper
43 100
58 24.9 0.2 0.2#





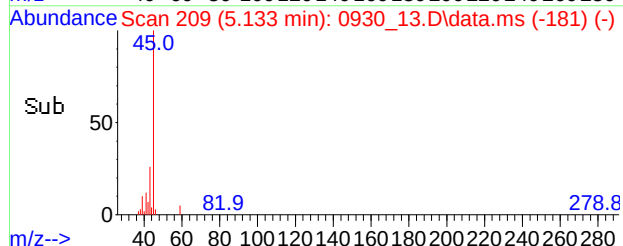
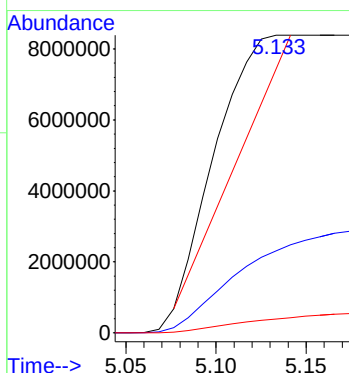
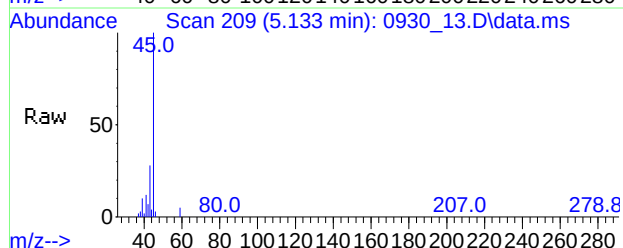
#13
Trichlorofluoromethane
Conc: 8\$ 0.182 ppbv
RT: 5.044 min Scan# 198
Delta R.T. 0.000 min
Lab File: 0930_13.D
Acq: 30 Sep 2025 8:38 pm

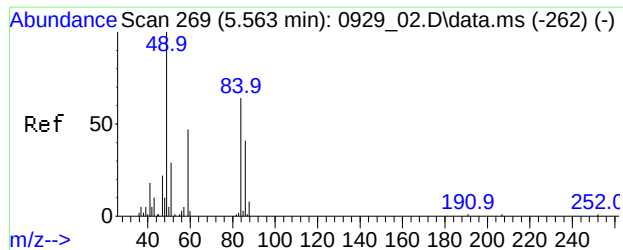
Tgt Ion: 101 Resp: 8874
Ion Ratio Lower Upper
101 100
103 64.7 49.8 74.8
66 12.3 12.1 18.1



#14
Isopropylalcohol
Conc: 8\$ 227.220 ppbv
RT: 5.133 min Scan# 209
Delta R.T. 0.024 min
Lab File: 0930_13.D
Acq: 30 Sep 2025 8:38 pm

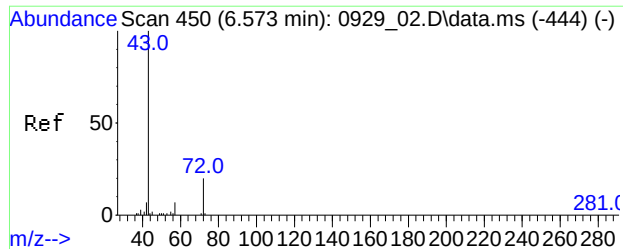
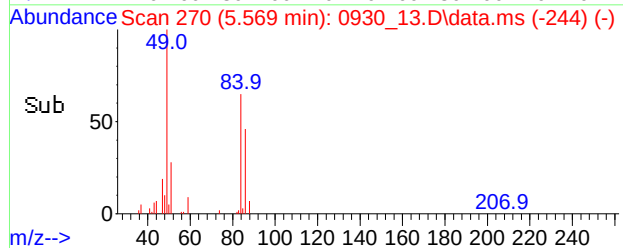
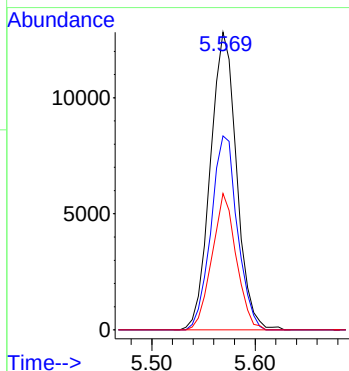
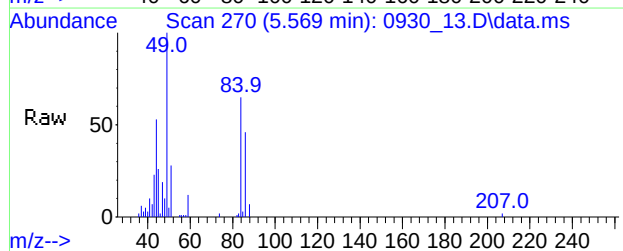
Tgt Ion: 45 Resp: 7397334
Ion Ratio Lower Upper
45 100
43 0.0 0.0 0.0
59 0.0 0.6 1.0#





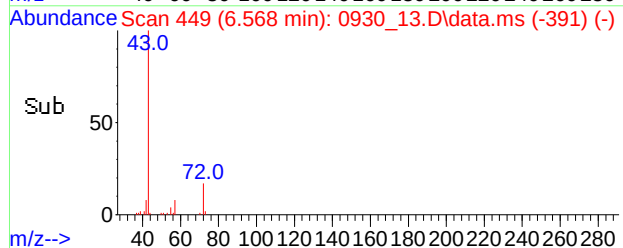
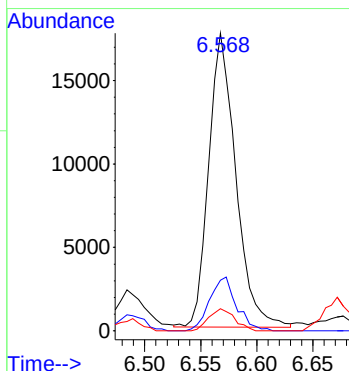
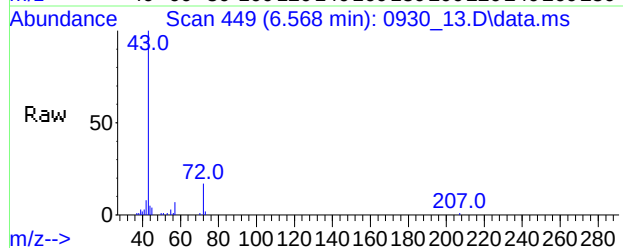
#17
Methylene Chloride
Conc: 8\$ 0.981 ppbv
RT: 5.569 min Scan# 270
Delta R.T. 0.006 min
Lab File: 0930_13.D
Acq: 30 Sep 2025 8:38 pm

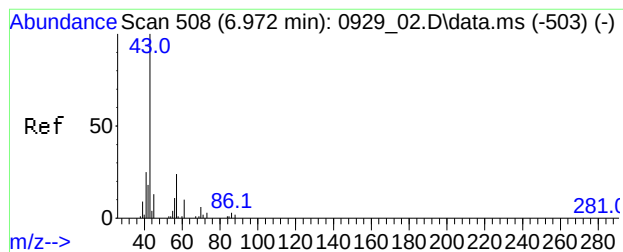
Tgt Ion: 49 Resp: 22594
Ion Ratio Lower Upper
49 100
84 65.5 50.1 75.1
86 42.5 33.8 50.8



#25
Methyl Ethyl Ketone
Conc: 8\$ 0.798 ppbv
RT: 6.568 min Scan# 449
Delta R.T. 0.000 min
Lab File: 0930_13.D
Acq: 30 Sep 2025 8:38 pm

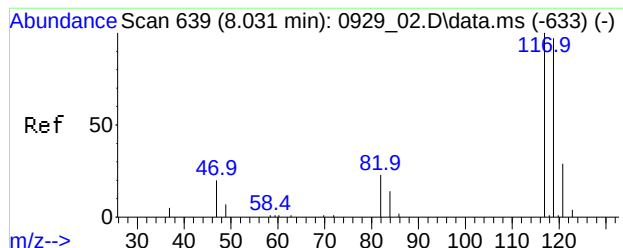
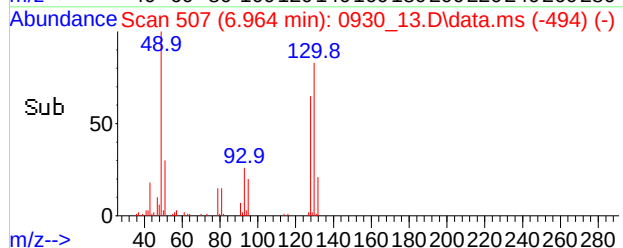
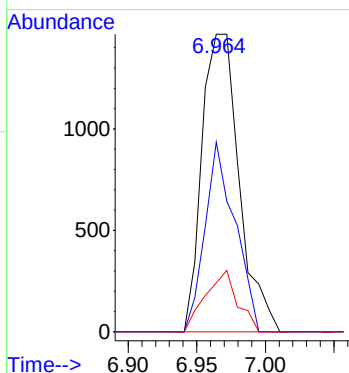
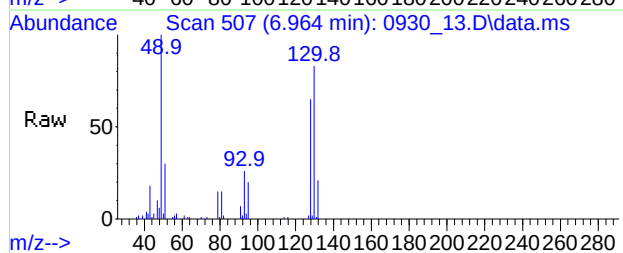
Tgt Ion: 43 Resp: 29603
Ion Ratio Lower Upper
43 100
72 18.0 0.0 0.0#
57 7.2 0.2 0.4#





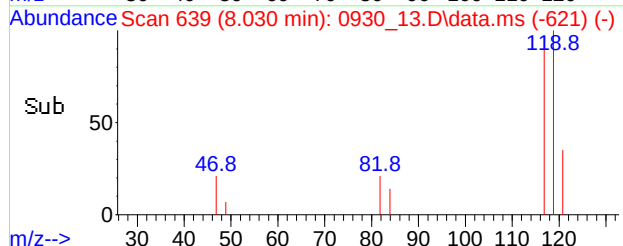
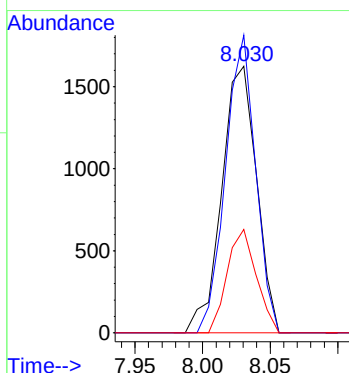
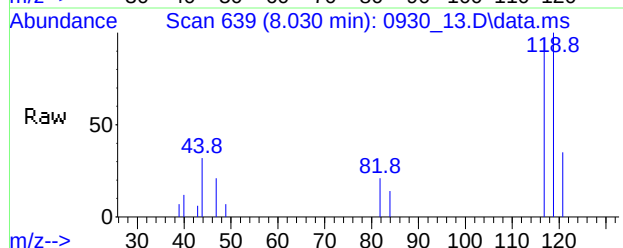
#29
Ethyl acetate
Conc: 8\$ 0.515 ppbv
RT: 6.964 min Scan# 507
Delta R.T. 0.000 min
Lab File: 0930_13.D
Acq: 30 Sep 2025 8:38 pm

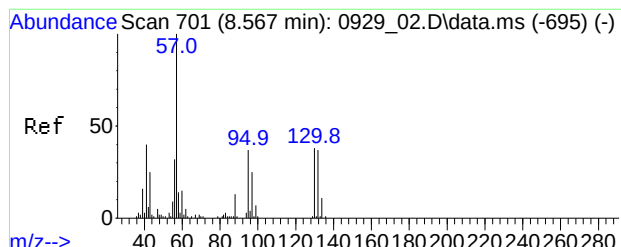
Tgt Ion: 61 Resp: 2769
Ion Ratio Lower Upper
61 100
70 51.3 62.8 94.2#
88 17.8 14.7 22.1



#34
Carbon Tetrachloride
Conc: 8\$ Below Cal
RT: 8.030 min Scan# 639
Delta R.T. 0.009 min
Lab File: 0930_13.D
Acq: 30 Sep 2025 8:38 pm

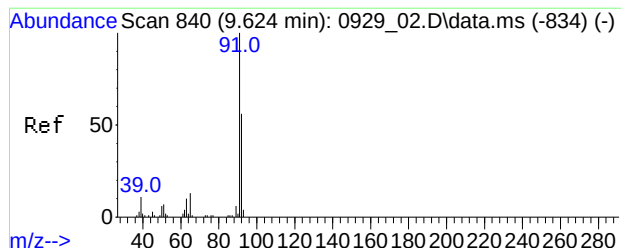
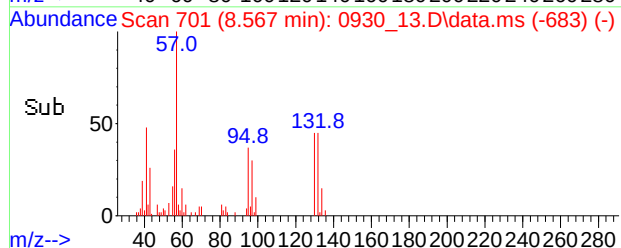
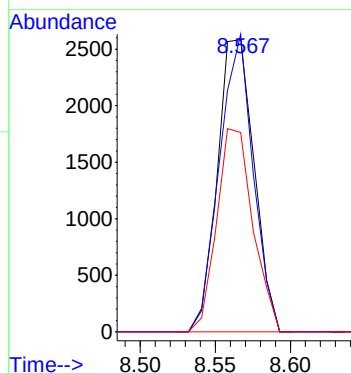
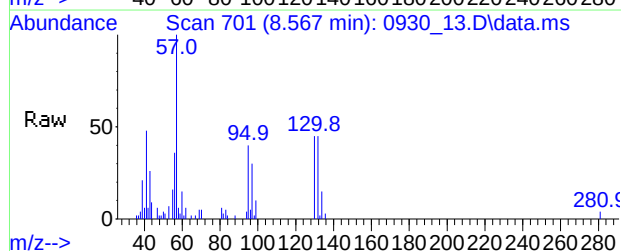
Tgt Ion: 117 Resp: 2916
Ion Ratio Lower Upper
117 100
119 96.0 74.9 114.9
121 32.5 11.2 51.2





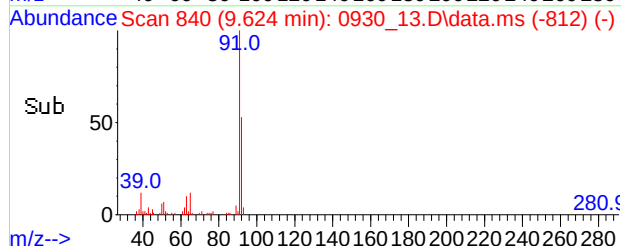
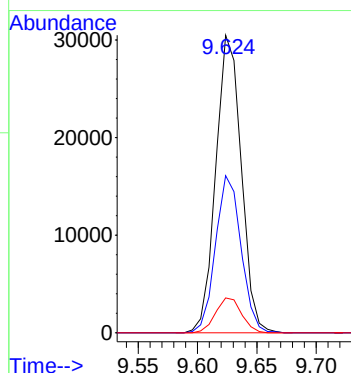
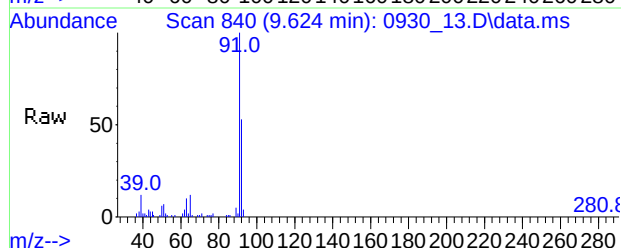
#39
Trichloroethene
Conc: 8\$ 0.178 ppbv
RT: 8.567 min Scan# 701
Delta R.T. 0.009 min
Lab File: 0930_13.D
Acq: 30 Sep 2025 8:38 pm

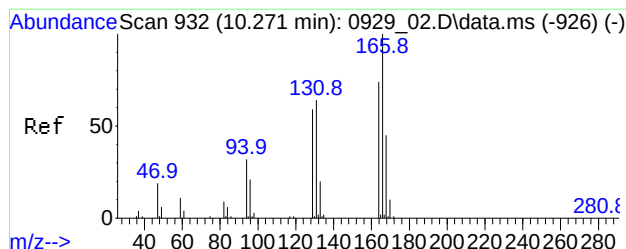
Tgt Ion:	130	Resp:	4401
Ion Ratio	Lower	Upper	
130	100		
132	93.5	88.3	132.5
97	68.4	65.9	98.9



#48
Toluene
Conc: 8\$ 0.753 ppbv
RT: 9.624 min Scan# 840
Delta R.T. 0.000 min
Lab File: 0930_13.D
Acq: 30 Sep 2025 8:38 pm

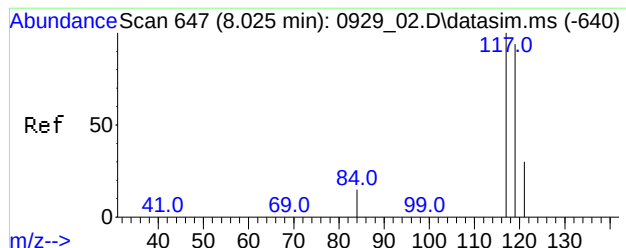
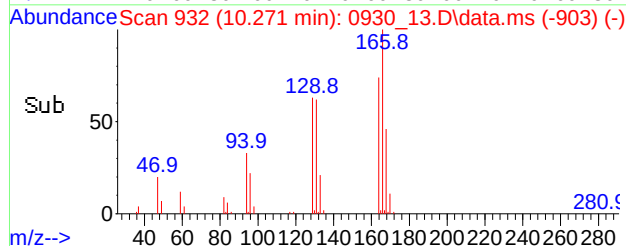
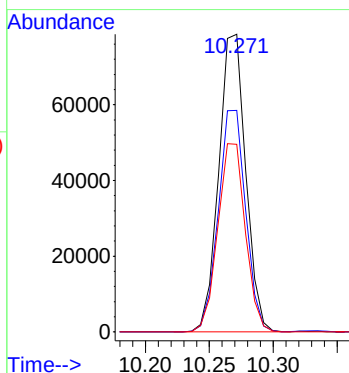
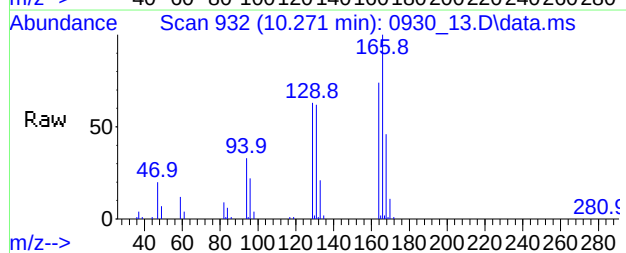
Tgt Ion:	91	Resp:	45288
Ion Ratio	Lower	Upper	
91	100		
92	53.0	43.8	65.8
65	12.0	10.6	16.0





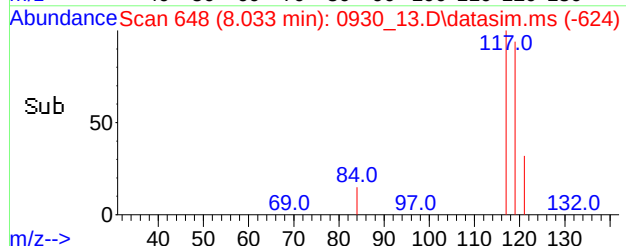
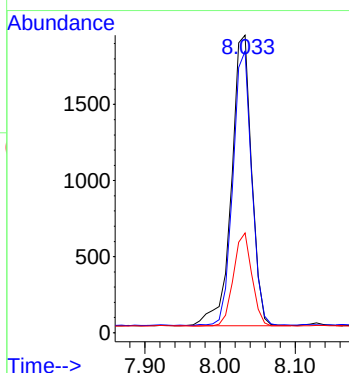
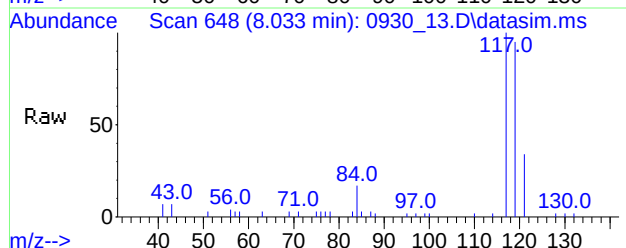
#52
Tetrachloroethene
Conc: 8\$ 2.769 ppbv
RT: 10.271 min Scan# 932
Delta R.T. 0.007 min
Lab File: 0930_13.D
Acq: 30 Sep 2025 8:38 pm

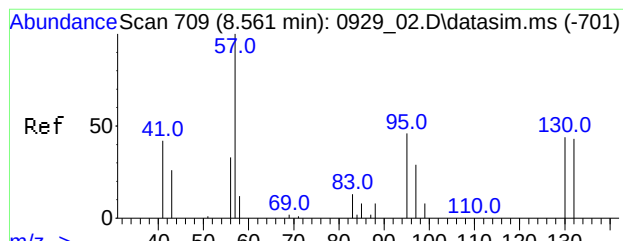
Tgt Ion: 166 Resp: 114672
Ion Ratio Lower Upper
166 100
164 75.5 63.4 95.2
129 64.5 68.4 102.6#



#86
Carbon Tetrachloride(sim)
Conc: 8\$ 0.065 ppbv
RT: 8.033 min Scan# 648
Delta R.T. 0.009 min
Lab File: 0930_13.D
Acq: 30 Sep 2025 8:38 pm

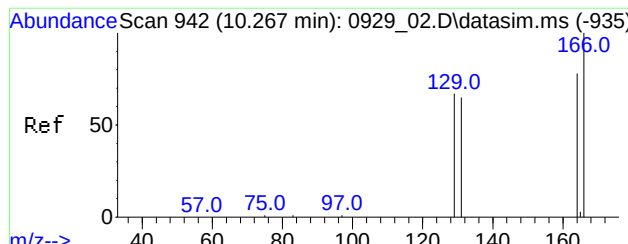
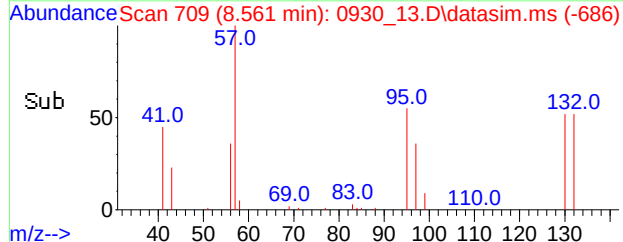
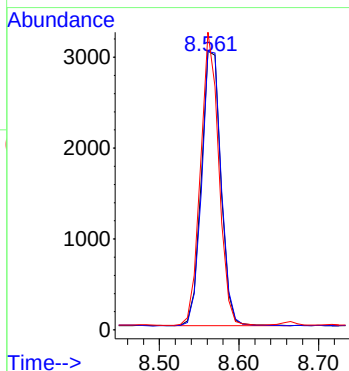
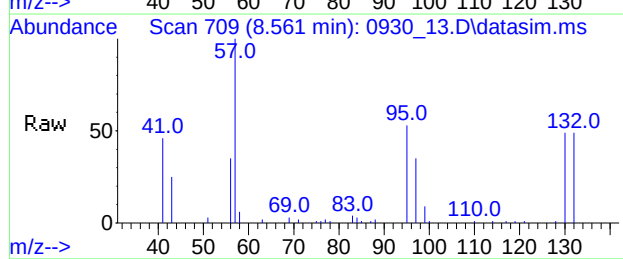
Tgt Ion: 117 Resp: 3574
Ion Ratio Lower Upper
117 100
119 88.3 76.6 115.0
121 29.4 24.2 36.4





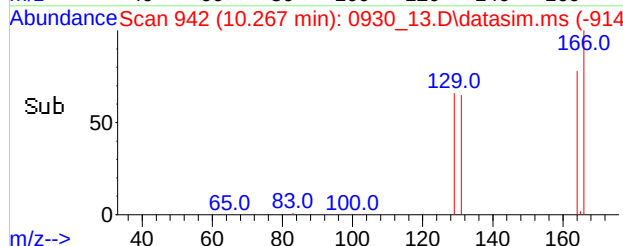
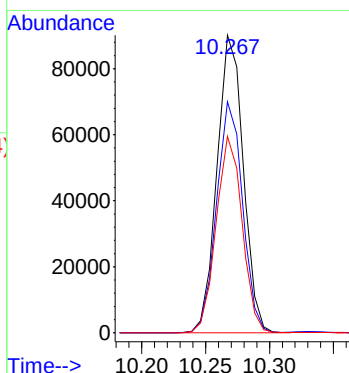
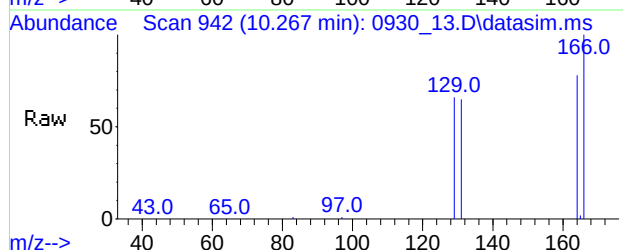
#96
Trichloroethene(sim)
Conc: 8\$ 0.162 ppbv
RT: 8.561 min Scan# 709
Delta R.T. 0.000 min
Lab File: 0930_13.D
Acq: 30 Sep 2025 8:38 pm

Tgt Ion:130 Resp: 5151
Ion Ratio Lower Upper
130 100
132 99.7 78.4 117.6
95 99.5 92.6 138.8



#102
Tetrachloroethene(sim)
Conc: 8\$ 2.432 ppbv
RT: 10.267 min Scan# 942
Delta R.T. 0.000 min
Lab File: 0930_13.D
Acq: 30 Sep 2025 8:38 pm

Tgt Ion:166 Resp: 128141
Ion Ratio Lower Upper
166 100
164 76.9 54.6 94.6
129 65.1 52.2 92.2



1
AIR ANALYSIS DATA SHEET

CLIENT ID

CANISTER BLK 4068

Client:	FPMGROUP	Lab:	Phoenix Env. Labs
SDG No.:	GCU37304	Lab Sample ID:	CANISTER BLK 4068
Canister:	CANBL	Lab File ID:	0922_10.D
Instrument:	CHEM20	Column:	
Purge Volume	200	(cc)	
Matrix:	AIR	Dilution Factor:	1
Date Received:			
Date Analyzed:	09/22/25		

CONCENTRATION UNITS: (ppbv or ug/m3) ppbv

CAS NO.	COMPOUND	CONC.	Q	MDL	PQL	R
115-07-1	Propylene	0.581	U	0.581	0.581	r
75-71-8	Dichlorodifluoromethane	0.202	U	0.202	0.202	r
74-87-3	Chloromethane	0.485	U	0.485	0.485	r
106-99-0	1,3-Butadiene	0.452	U	0.452	0.452	r
75-00-3	Chloroethane	0.379	U	0.379	0.379	r
64-17-5	Ethanol	0.531	U	0.531	0.531	r
67-64-1	Acetone	0.457		0.421	0.421	r
67-63-0	Isopropylalcohol	0.407	U	0.407	0.407	r
107-13-1	Acrylonitrile	0.461	U	0.461	0.461	r
75-09-2	Methylene Chloride	0.863	U	0.863	0.863	r
75-15-0	Carbon Disulfide	0.321	U	0.321	0.321	r
1634-04-4	Methyl tert-butyl ether(MTBE)	0.278	U	0.278	0.278	r
78-93-3	Methyl Ethyl Ketone	0.339	U	0.339	0.339	r
110-54-3	Hexane	0.284	U	0.284	0.284	r
141-78-6	Ethyl acetate	0.278	U	0.278	0.278	r
109-99-9	Tetrahydrofuran	0.339	U	0.339	0.339	r
110-82-7	Cyclohexane	0.291	U	0.291	0.291	r
540-84-1	2,2,4-trimethylpentane	0.215	U	0.215	0.215	r
142-82-5	Heptane	0.244	U	0.244	0.244	r
108-10-1	4-Methyl-2-pentanone(MIBK)	0.244	U	0.244	0.244	r
10061-02-6	trans-1,3-Dichloropropene	0.220	U	0.220	0.220	r
108-88-3	Toluene	0.266	U	0.266	0.266	r
591-78-6	2-Hexanone(MBK)	0.244	U	0.244	0.244	r
630-20-6	1,1,1,2-Tetrachloroethane	0.146	U	0.146	0.146	r
108-90-7	Chlorobenzene	0.217	U	0.217	0.217	r
100-41-4	Ethylbenzene	0.230	U	0.230	0.230	r
100-42-5	Styrene	0.235	U	0.235	0.235	r
95-47-6	o-Xylene	0.230	U	0.230	0.230	r
98-82-8	Isopropylbenzene	0.204	U	0.204	0.204	r
622-96-8	4-Ethyltoluene	0.204	U	0.204	0.204	r
108-67-8	1,3,5-Trimethylbenzene	0.204	U	0.204	0.204	r
95-63-6	1,2,4-Trimethylbenzene	0.204	U	0.204	0.204	r
91-20-3	Naphthalene	0.200	U	0.200	0.200	r
76-14-2	1,2-Dichlorotetrafluoroethane(sim)	0.143	U	0.143	0.143	r
75-01-4	Vinyl Chloride(sim)	0.078	U	0.078	0.078	r
74-83-9	Bromomethane(sim)	0.258	U	0.258	0.258	r

FORM I AIR

r=Result Reported U=Not Detected D=Reported Dilution E/J=Estimated Value X=Not Used S=Lab Solvent

1
AIR ANALYSIS DATA SHEET

CLIENT ID

CANISTER BLK 4068

Client:	<u>FPMGROUP</u>	Lab:	<u>Phoenix Env. Labs</u>
SDG No.:	<u>GCU37304</u>	Lab Sample ID:	<u>CANISTER BLK 4068</u>
Canister:	<u>CANBL</u>	Lab File ID:	<u>0922_10.D</u>
Instrument:	<u>CHEM20</u>	Column:	<u> </u>
Purge Volume	<u>200</u> (cc)	Date Received:	<u> </u>
Matrix:	<u>AIR</u>	Date Analyzed:	<u>09/22/25</u>
		Dilution Factor:	<u>1</u>

CONCENTRATION UNITS: (ppbv or ug/m3) ppbv

CAS NO.	COMPOUND	CONC.	Q	MDL	PQL	R
75-69-4	Trichlorofluoromethane(sim)	0.178	U	0.178	0.178	r
107-06-2	1,2-Dichloroethane(sim)	0.247	U	0.247	0.247	r
71-55-6	1,1,1-Trichloroethane(sim)	0.183	U	0.183	0.183	r
71-43-2	Benzene(sim)	0.313	U	0.313	0.313	r
56-23-5	Carbon Tetrachloride(sim)	0.032	U	0.032	0.032	r
75-35-4	1,1-Dichloroethene(sim)	0.051	U	0.051	0.051	r
76-13-1	Trichlorotrifluoroethane(sim)	0.131	U	0.131	0.131	r
156-60-5	Trans-1,2-Dichloroethene(sim)	0.252	U	0.252	0.252	r
75-34-3	1,1-Dichloroethane(sim)	0.247	U	0.247	0.247	r
156-59-2	Cis-1,2-Dichloroethene(sim)	0.051	U	0.051	0.051	r
67-66-3	Chloroform(sim)	0.205	U	0.205	0.205	r
78-87-5	1,2-dichloropropane(sim)	0.217	U	0.217	0.217	r
75-27-4	Bromodichloromethane(sim)	0.149	U	0.149	0.149	r
79-01-6	Trichloroethene(sim)	0.037	U	0.037	0.037	r
123-91-1	1,4-Dioxane(sim)	0.278	U	0.278	0.278	r
10061-01-5	cis-1,3-Dichloropropene(sim)	0.220	U	0.220	0.220	r
79-00-5	1,1,2-Trichloroethane(sim)	0.183	U	0.183	0.183	r
124-48-1	Dibromochloromethane(sim)	0.117	U	0.117	0.117	r
106-93-4	1,2-Dibromoethane(EDB)(sim)	0.130	U	0.130	0.130	r
127-18-4	Tetrachloroethene(sim)	0.037	U	0.037	0.037	r
75-25-2	Bromoform(sim)	0.097	U	0.097	0.097	r
179601-23-1	m,p-Xylene(sim)	0.230	U	0.230	0.230	r
79-34-5	1,1,2,2-Tetrachloroethane(sim)	0.146	U	0.146	0.146	r
100-44-7	Benzyl chloride(sim)	0.193	U	0.193	0.193	r
541-73-1	1,3-Dichlorobenzene(sim)	0.166	U	0.166	0.166	r
106-46-7	1,4-Dichlorobenzene(sim)	0.166	U	0.166	0.166	r
135-98-8	sec-Butylbenzene(sim)	0.182	U	0.182	0.182	r
99-87-6	4-Isopropyltoluene(sim)	0.182	U	0.182	0.182	r
95-50-1	1,2-Dichlorobenzene(sim)	0.166	U	0.166	0.166	r
104-51-8	n-Butylbenzene(sim)	0.182	U	0.182	0.182	r
120-82-1	1,2,4-Trichlorobenzene(sim)	0.135	U	0.135	0.135	r
87-68-3	Hexachlorobutadiene(sim)	0.094	U	0.094	0.094	r

FORM I AIR

r=Result Reported U=Not Detected D=Reported Dilution E/J=Estimated Value X=Not Used S=Lab Solvent



Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045

Batch Canister Certification

October 24, 2025

Batch Id: 4068

QC Canister Id: 754

SDG ID: GCU37304

Sample Canister Ids: 13652, 28555, 28577, 28592, 28608, 49205

Certification Date: 09/22/25 5:06 PM

Data File: H:\AIR2025\CHEM20\09SEP\22\0922_10.D\0922_10-20_AIR_0909.rr

Project ID: CAPTREE

Analyte	Result (ppbv)	Analyte	Result (ppbv)
1,1,1,2-Tetrachloroethane	<0.146	1,1,1-Trichloroethane	<0.183
1,1,2,2-Tetrachloroethane	<0.146	1,1,2-Trichloroethane	<0.183
1,1-Dichloroethane	<0.247	1,1-Dichloroethene	<0.051
1,2,4-Trichlorobenzene	<0.135	1,2,4-Trimethylbenzene	<0.204
1,2-Dibromoethane(EDB)	<0.130	1,2-Dichlorobenzene	<0.166
1,2-Dichloroethane	<0.247	1,2-dichloropropane	<0.217
1,2-Dichlorotetrafluoroethane	<0.143	1,3,5-Trimethylbenzene	<0.204
1,3-Butadiene	<0.452	1,3-Dichlorobenzene	<0.166
1,4-Dichlorobenzene	<0.166	1,4-Dioxane	<0.278
2-Hexanone(MBK)	<0.244	4-Ethyltoluene	<0.204
4-Isopropyltoluene	<0.182	4-Methyl-2-pentanone(MIBK)	<0.244
Acetone	0.457	Acrylonitrile	<0.461
Benzene	<0.313	Benzyl chloride	<0.193
Bromodichloromethane	<0.149	Bromoform	<0.097
Bromomethane	<0.258	Carbon Disulfide	<0.321
Carbon Tetrachloride	<0.032	Chlorobenzene	<0.217
Chloroethane	<0.379	Chloroform	<0.205
Chloromethane	<0.485	Cis-1,2-Dichloroethene	<0.051
cis-1,3-Dichloropropene	<0.220	Cyclohexane	<0.291
Dibromochloromethane	<0.117	Dichlorodifluoromethane	<0.202
Ethanol	<0.531	Ethyl acetate	<0.278
Ethylbenzene	<0.230	Heptane	<0.244
Hexachlorobutadiene	<0.094	Hexane	<0.284
Isooctane	<0.215	Isopropylalcohol	<0.407
Isopropylbenzene	<0.204	m,p-Xylene	<0.230
Methyl Ethyl Ketone	<0.339	Methyl tert-butyl ether(MTBE)	<0.278
Methylene Chloride	<0.863	Naphthalene	<0.200
n-Butylbenzene	<0.182	o-Xylene	<0.230
Propylene	<0.581	sec-Butylbenzene	<0.182
Styrene	<0.235	Tetrachloroethene	<0.037
Tetrahydrofuran	<0.339	Toluene	<0.266
Trans-1,2-Dichloroethene	<0.252	trans-1,3-Dichloropropene	<0.220
Trichloroethene	<0.037	Trichlorofluoromethane	<0.178
Trichlorotrifluoroethane	<0.131	Vinyl Chloride	<0.078

Data Path : H:\AIR2025\CHEM20\09SEP\22\
 Data File : 0922_10.D
 Acq On : 22 Sep 2025 5:06 pm
 Operator :
 Client ID : CANISTER BLK 4068
 Lab ID : CANISTER BLK 4068
 ALS Vial : 6 Sample Multiplier: 1

Quant Time: Sep 22 18:26:04 2025
 Quant Method : H:\AIR2025\CHEM20\Methods\20_AIR_0909.M
 Quant Title : VOA Standards for 5 point calibration
 QLast Update : Wed Sep 10 12:52:46 2025
 Response via : Initial Calibration

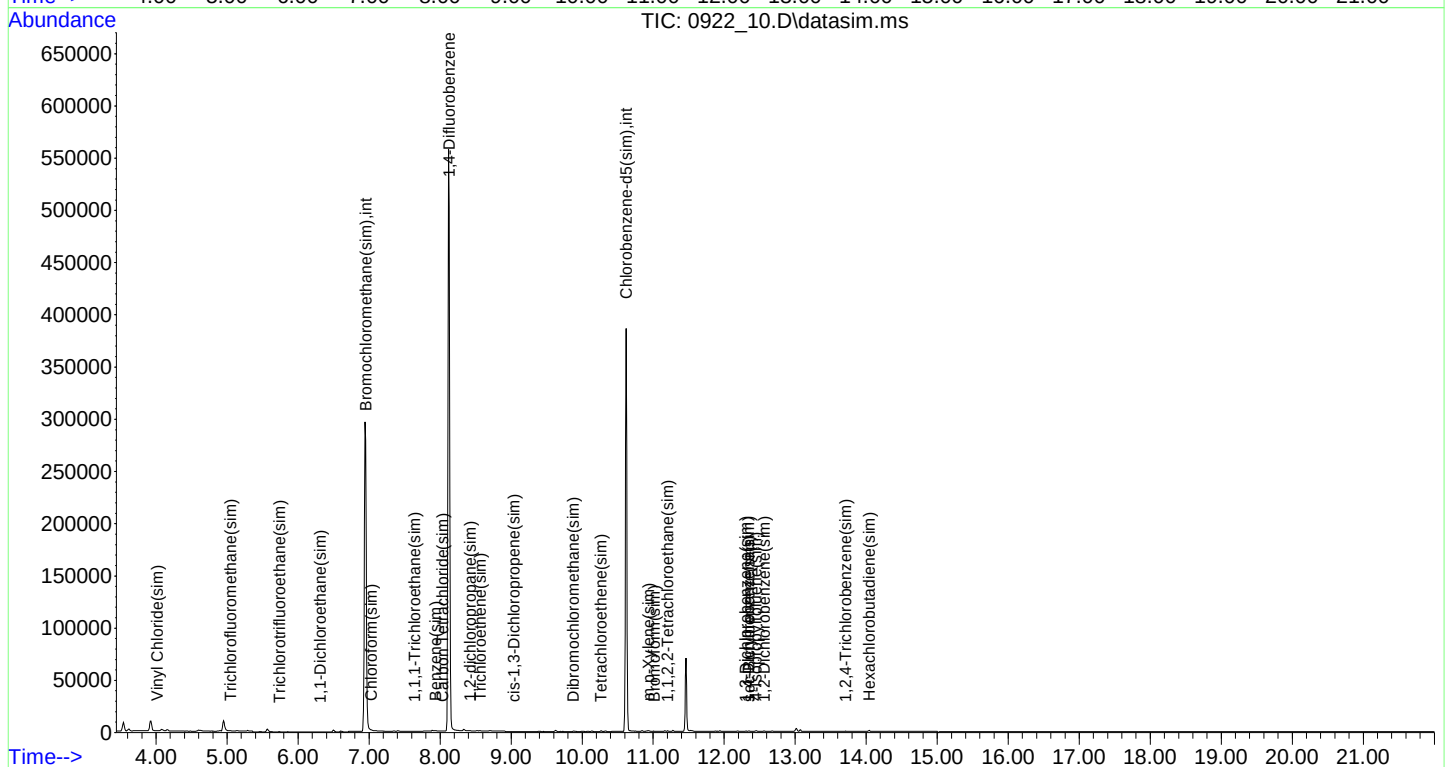
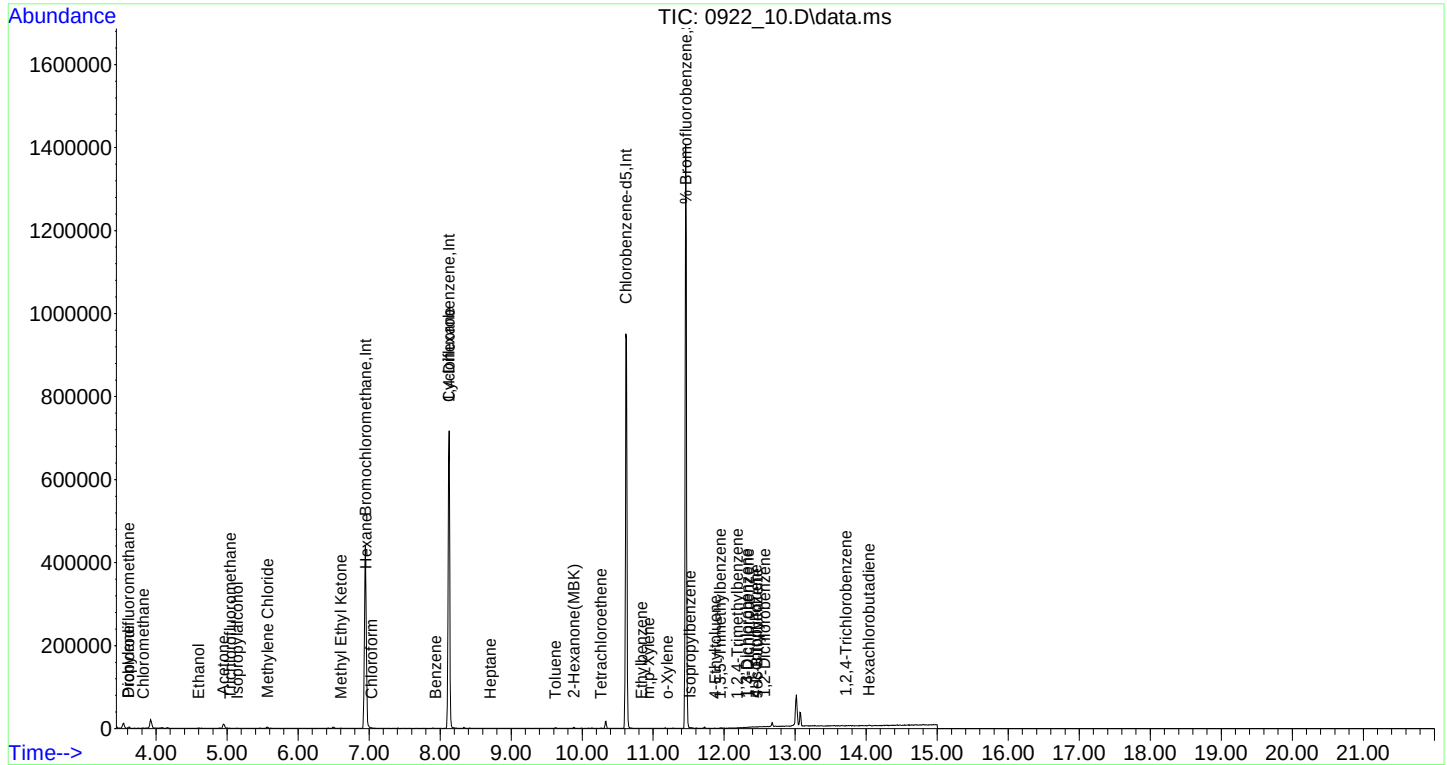
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

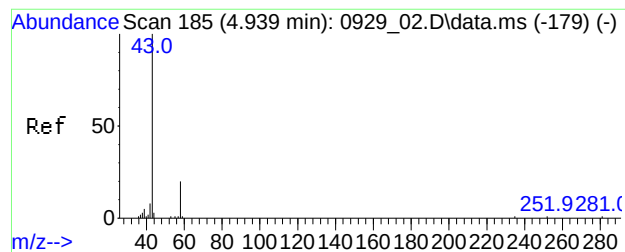
Internal Standards						
1) Bromochloromethane	6.949	130	147957	10.000	ng	0.00
36) 1,4-Difluorobenzene	8.126	114	499754	10.000	ng	0.00
53) Chlorobenzene-d5	10.617	82	241229	10.000	ng	0.00
78) Bromochloromethane(sim)	6.951	130	167070	10.000	ng	# 0.00
93) 1,4-Difluorobenzene(sim)	8.126	114	499754	10.000	ng	0.00
103) Chlorobenzene-d5(sim)	10.617	82	241229	10.000	ng	0.00
System Monitoring Compounds						
62) % Bromofluorobenzene	11.458	95	323563	10.167	ppbv	0.00
Spiked Amount	10.000	Range 70 - 130	Recovery	=	101.70%	
Target Compounds						
					Qvalue	
12) Acetone	4.947	43	12480	0.457	ppbv#	69

(#)out of range (m)manual integration reviewed by analyst (+)signals summed

Data Path : H:\AIR2025\CHEM20\09SEP\22\
Data File : 0922_10.D
Acq On : 22 Sep 2025 5:06 pm
Operator :
Client ID : CANISTER BLK 4068
Lab ID : CANISTER BLK 4068
ALS Vial : 6 Sample Multiplier: 1

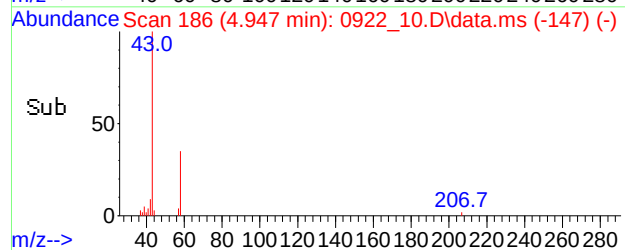
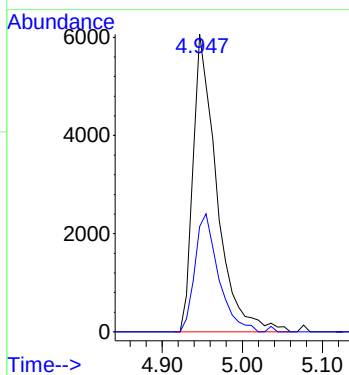
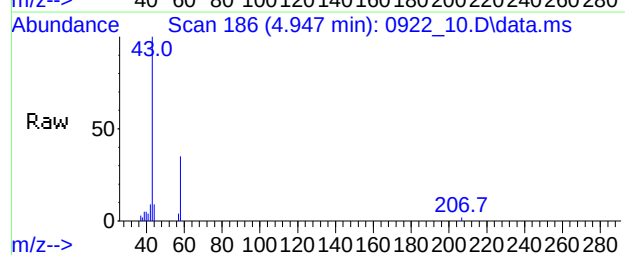
Quant Time: Sep 22 18:26:04 2025
Quant Method : H:\AIR2025\CHEM20\Methods\20_AIR_0909.M
Quant Title : VOA Standards for 5 point calibration
QLast Update : Wed Sep 10 12:52:46 2025
Response via : Initial Calibration





#12
 Acetone
 Conc: 8\$ 0.457 ppbv
 RT: 4.947 min Scan# 186
 Delta R.T. 0.016 min
 Lab File: 0922_10.D
 Acq: 22 Sep 2025 5:06 pm

Tgt Ion: 43 Resp: 12480
 Ion Ratio Lower Upper
 43 100
 58 39.5 0.2 0.2#



Injection Log

Data Directory: H:\AIR2025\CHEM20\09SEP\09\

Line	VL	FileName	SampleName	MiscInfo	Injection Time
1)	35	0909_01.D	xxxxxxxxxx		09/09/25 10:22
2)	36	0909_02.D	xxxxxxxxxx		09/09/25 11:36
3)	37	0909_03.D	xxxxxxxxxx		09/09/25 12:07
4)	38	0909_04.D	BFB TUNE	0/0; ITSD AIR36F	09/09/25 12:38
5)	31	0909_05.D	ICAL 0.01	0.01 ppb; T01515A	09/09/25 13:10
6)	1	0909_06.D	ICAL 0.02	0.02 ppb; T01515A	09/09/25 13:43
7)	2	0909_07.D	ICAL 0.035	0.035 ppb; T01515A	09/09/25 14:17
8)	3	0909_08.D	ICAL 0.05	0.05 ppb; T01515A	09/09/25 14:53
9)	4	0909_09.D	ICAL 0.1	0.10 ppb; T01515A	09/09/25 15:25
10)	5	0909_10.D	ICAL 0.2	0.20 ppb; T01515A	09/09/25 15:57
11)	6	0909_11.D	ICAL 0.5	0.50 ppb; T01515A	09/09/25 16:32
12)	7	0909_12.D	ICAL 2.5	2.5 ppb; T01514Z	09/09/25 17:07
13)	8	0909_13.D	ICAL 5	5.0 ppb; T01514Y	09/09/25 17:39
14)	10	0909_14.D	ICAL 25	25 ppb; T01514Y	09/09/25 18:14
15)	10	0909_15.D	ICAL 40	40ppb; T01514Y	09/09/25 18:51
16)	11	0909_16.D	ICAL 1	1ppb tune/cc; T01514	09/09/25 19:24
17)	12	0909_17.D	ICAL 10	10ppb; T01514Y	09/09/25 19:56
18)	13	0909_18.D	ICV_CHEM20_0909	10ppb lcs; T01514X	09/09/25 20:31
19)	14	0909_19.D	xxxxxxxxxx		09/09/25 21:02
20)	32	0909_20.D	xxxxxxxxxx		09/09/25 21:35

Injection Log

Data Directory: H:\AIR2025\CHEM20\09SEP\22\

Line	VI	FileName	SampleName	MiscInfo	Injection Time
1)	1	0922_01.D	xxxxxxxxxx		09/22/25 11:41
2)	28	0922_02.D	xxxxxxxxxx		09/22/25 12:14
3)	28	0922_03.D	xxxxxxxxxx		09/22/25 12:47
4)	29	0922_04.D	xxxxxxxxxx		09/22/25 13:22
5)	1	0922_05.D	xxxxxxxxxx		09/22/25 13:53
6)	2	0922_06.D	xxxxxxxxxx		09/22/25 14:26
7)	3	0922_07.D	xxxxxxxxxx		09/22/25 15:12
8)	4	0922_08.D	xxxxxxxxxx		09/22/25 15:57
9)	5	0922_09.D	xxxxxxxxxx		09/22/25 16:31
10)	6	0922_10.D	CANISTER BLK 4068	CANISTER BLK 4068	09/22/25 17:06
11)	7	0922_11.D	xxxxxxxxxx		09/22/25 17:41
12)	6	0922_12.D	xxxxxxxxxx		09/22/25 18:14
13)	7	0922_13.D	xxxxxxxxxx		09/22/25 18:46
14)	8	0922_14.D	xxxxxxxxxx		09/22/25 19:19
15)	9	0922_15.D	xxxxxxxxxx		09/22/25 19:52
16)	10	0922_16.D	xxxxxxxxxx		09/22/25 20:25
17)	11	0922_17.D	xxxxxxxxxx		09/22/25 20:58
18)	12	0922_18.D	xxxxxxxxxx		09/22/25 21:32
19)	13	0922_19.D	xxxxxxxxxx		09/22/25 22:05
20)	14	0922_20.D	xxxxxxxxxx		09/22/25 22:38
21)	15	0922_21.D	xxxxxxxxxx		09/22/25 23:11
22)	16	0922_22.D	xxxxxxxxxx		09/22/25 23:44
23)	17	0922_23.D	xxxxxxxxxx		09/23/25 0:18
24)	18	0922_24.D	xxxxxxxxxx		09/23/25 0:51
25)	19	0922_25.D	xxxxxxxxxx		09/23/25 1:24
26)	20	0922_26.D	xxxxxxxxxx		09/23/25 1:57
27)	21	0922_27.D	xxxxxxxxxx		09/23/25 2:30
28)	22	0922_28.D	xxxxxxxxxx		09/23/25 3:03
29)	23	0922_29.D	xxxxxxxxxx		09/23/25 3:35
30)	24	0922_30.D	xxxxxxxxxx		09/23/25 4:07
31)	25	0922_31.D	xxxxxxxxxx		09/23/25 4:42
32)	26	0922_32.D	xxxxxxxxxx		09/23/25 5:17
33)	27	0922_33.D	xxxxxxxxxx		09/23/25 8:52
34)	28	0922_34.D	xxxxxxxxxx		09/23/25 10:17
35)	29	0922_35.D	xxxxxxxxxx		09/23/25 10:50
36)	30	0922_36.D	xxxxxxxxxx		09/23/25 11:25
37)	31	0922_37.D	xxxxxxxxxx		09/23/25 11:56
38)	32	0922_38.D	xxxxxxxxxx		09/23/25 12:29
39)	33	0922_39.D	xxxxxxxxxx		09/23/25 13:04
40)	34	0922_40.D	xxxxxxxxxx		09/23/25 13:37
41)	1	0922_41.D	xxxxxxxxxx		09/23/25 14:09
42)	3	0922_43.D	xxxxxxxxxx		09/23/25 14:42
43)	4	0922_44.D	xxxxxxxxxx		09/23/25 15:14
44)	5	0922_45.D	xxxxxxxxxx		09/23/25 15:50
45)	6	0922_46.D	xxxxxxxxxx		09/23/25 16:23
46)	5	0922_47.D	xxxxxxxxxx		09/23/25 16:56
47)	6	0922_48.D	xxxxxxxxxx		09/23/25 17:29
48)	7	0922_49.D	xxxxxxxxxx		09/23/25 18:02
49)	8	0922_50.D	xxxxxxxxxx		09/23/25 18:36
50)	9	0922_51.D	xxxxxxxxxx		09/23/25 19:07
51)	10	0922_52.D	xxxxxxxxxx		09/23/25 19:43
52)	11	0922_53.D	xxxxxxxxxx		09/23/25 20:19
53)	12	0922_54.D	xxxxxxxxxx		09/23/25 20:58
54)	13	0922_55.D	xxxxxxxxxx		09/23/25 21:37
55)	14	0922_56.D	xxxxxxxxxx		09/23/25 22:16
56)	15	0922_57.D	xxxxxxxxxx		09/23/25 22:49
57)	16	0922_58.D	xxxxxxxxxx		09/23/25 23:22
58)	17	0922_59.D	xxxxxxxxxx		09/23/25 23:55
59)	18	0922_60.D	xxxxxxxxxx		09/24/25 0:28
60)	19	0922_61.D	xxxxxxxxxx		09/24/25 1:01
61)	20	0922_62.D	xxxxxxxxxx		09/24/25 1:34
62)	21	0922_63.D	xxxxxxxxxx		09/24/25 2:07
63)	22	0922_64.D	xxxxxxxxxx		09/24/25 2:40
64)	23	0922_65.D	xxxxxxxxxx		09/24/25 3:13
65)	24	0922_66.D	xxxxxxxxxx		09/24/25 3:46
66)	25	0922_67.D	xxxxxxxxxx		09/24/25 4:19

67)	26	0922_68.D	xxxxxxxxxx	09/24/25	4:52
68)	27	0922_69.D	xxxxxxxxxx	09/24/25	5:25
69)	28	0922_70.D	xxxxxxxxxx	09/24/25	5:56
70)	29	0922_71.D	xxxxxxxxxx	09/24/25	6:31
71)	30	0922_72.D	xxxxxxxxxx	09/24/25	8:30
72)	31	0922_73.D	xxxxxxxxxx	09/24/25	9:32

Injection Log

Data Directory: H:\AIR2025\CHEM20\09SEP\29\

Line	VI	FileName	SampleName	MiscInfo	Injection Time
1)	1	0929_01.D	xxxxxxxxxx		09/29/25 13:41
2)	28	0929_02.D	BFB TUNE - CCAL 1	1ppb ccal; T01516A	09/29/25 14:14
3)	28	0929_03.D	xxxxxxxxxx		09/29/25 14:47
4)	29	0929_04.D	CU36389 LCS	CU36389 LCS	09/29/25 15:22
5)	1	0929_05.D	CU36389 BLANK	CU36389 BLANK	09/29/25 15:53
6)	2	0929_06.D	xxxxxxxxxx		09/29/25 16:25
7)	3	0929_07.D	CU36389 QC 0.5 X	CU36389 QC 0.5 X	09/29/25 17:11
8)	4	0929_08.D	CU36389 DUP 0.5 X	CU36389 DUP 0.5 X	09/29/25 17:57
9)	5	0929_09.D	xxxxxxxxxx		09/29/25 18:30
10)	6	0929_10.D	xxxxxxxxxx		09/29/25 19:02
11)	7	0929_11.D	xxxxxxxxxx		09/29/25 19:35
12)	8	0929_12.D	xxxxxxxxxx		09/29/25 20:08
13)	9	0929_13.D	xxxxxxxxxx		09/29/25 20:41
14)	10	0929_14.D	xxxxxxxxxx		09/29/25 21:12
15)	11	0929_15.D	xxxxxxxxxx		09/29/25 21:48
16)	12	0929_16.D	xxxxxxxxxx		09/29/25 22:24
17)	13	0929_17.D	xxxxxxxxxx		09/29/25 23:00
18)	14	0929_18.D	xxxxxxxxxx		09/29/25 23:37
19)	15	0929_19.D	xxxxxxxxxx		09/30/25 0:16
20)	16	0929_20.D	xxxxxxxxxx		09/30/25 0:55
21)	17	0929_21.D	xxxxxxxxxx		09/30/25 1:28
22)	18	0929_22.D	xxxxxxxxxx		09/30/25 2:01
23)	19	0929_23.D	xxxxxxxxxx		09/30/25 2:34
24)	20	0929_24.D	xxxxxxxxxx		09/30/25 3:04
25)	21	0929_25.D	xxxxxxxxxx		09/30/25 3:35
26)	22	0929_26.D	xxxxxxxxxx		09/30/25 4:10
27)	23	0929_27.D	xxxxxxxxxx		09/30/25 4:46
28)	24	0929_28.D	xxxxxxxxxx		09/30/25 8:10
29)	25	0929_29.D	xxxxxxxxxx		09/30/25 8:44
30)	26	0929_30.D	xxxxxxxxxx		09/30/25 9:30
31)	27	0929_31.D	xxxxxxxxxx		09/30/25 10:25
32)	28	0929_32.D	xxxxxxxxxx		09/30/25 10:57
33)	1	0929_33.D	xxxxxxxxxx		09/30/25 11:30
34)	2	0929_34.D	xxxxxxxxxx		09/30/25 12:03
35)	3	0930_01.D	BFB TUNE - CCAL 1 / CC1	1ppb ccal; T01516A	09/30/25 12:36
36)	4	0930_02.D	xxxxxxxxxx		09/30/25 13:09
37)	5	0930_03.D	CU37309 LCS	CU37309 LCS	09/30/25 13:44
38)	6	0930_04.D	CU37309 BLANK	CU37309 BLANK	09/30/25 14:15
39)	7	0930_05.D	xxxxxxxxxx		09/30/25 14:47
40)	8	0930_06.D	xxxxxxxxxx		09/30/25 15:23
41)	9	0930_07.D	xxxxxxxxxx		09/30/25 15:58
42)	10	0930_08.D	xxxxxxxxxx		09/30/25 16:33
43)	11	0930_09.D	xxxxxxxxxx		09/30/25 17:09
44)	12	0930_10.D	xxxxxxxxxx		09/30/25 17:44
45)	13	0930_11.D	xxxxxxxxxx		09/30/25 19:20
46)	14	0930_12.D	PT-IA-1	CU37309	09/30/25 19:59
47)	15	0930_13.D	PT-IA-1 DUP	CU37309 DUP	09/30/25 20:38
48)	16	0930_14.D	xxxxxxxxxx		09/30/25 21:14
49)	17	0930_15.D	EFFLUENT	CU37306	09/30/25 21:53
50)	18	0930_16.D	CV-IA-2	CU37308	09/30/25 22:30
51)	19	0930_17.D	CV-IA-3	CU37305	09/30/25 23:08
52)	20	0930_18.D	xxxxxxxxxx		09/30/25 23:39
53)	21	0930_19.D	xxxxxxxxxx		10/01/25 0:14
54)	22	0930_20.D	xxxxxxxxxx		10/01/25 3:20
55)	23	0930_21.D	xxxxxxxxxx		10/01/25 8:25
56)	24	0930_22.D	xxxxxxxxxx		10/01/25 9:17
57)	25	0930_23.D	xxxxxxxxxx		10/01/25 9:49
58)	26	0930_24.D	xxxxxxxxxx		10/01/25 10:22
59)	27	0930_25.D	CCCAL 1	1ppb ccal; T01516A	10/01/25 10:54
60)	28	0930_26.D	xxxxxxxxxx		10/01/25 11:27
61)	29	0930_27.D	xxxxxxxxxx		10/01/25 12:49
62)	30	0930_28.D	xxxxxxxxxx		10/01/25 13:24
63)	31	0930_29.D	xxxxxxxxxx		10/01/25 13:59
64)	32	0930_30.D	xxxxxxxxxx		10/01/25 14:35
65)	33	0930_31.D	xxxxxxxxxx		10/01/25 15:10
66)	1	0930_32.D	xxxxxxxxxx		10/01/25 15:41

67)	2	0930_33.D	xxxxxxxxxx	10/01/25	16:16
68)	3	0930_34.D	xxxxxxxxxx	10/01/25	16:46
69)	4	0930_35.D	xxxxxxxxxx	10/01/25	19:46
70)	5	0930_36.D	xxxxxxxxxx	10/01/25	20:21
71)	6	0930_37.D	xxxxxxxxxx	10/01/25	20:57
72)	7	0930_38.D	xxxxxxxxxx	10/01/25	21:33
73)	8	0930_39.D	xxxxxxxxxx	10/01/25	22:08
74)	9	0930_40.D	xxxxxxxxxx	10/01/25	22:41
75)	10	0930_41.D	xxxxxxxxxx	10/01/25	23:13
76)	11	0930_42.D	xxxxxxxxxx	10/01/25	23:46
77)	12	0930_43.D	xxxxxxxxxx	10/02/25	0:19
78)	13	0930_44.D	xxxxxxxxxx	10/02/25	0:52
79)	14	0930_45.D	xxxxxxxxxx	10/02/25	1:24
80)	15	0930_46.D	xxxxxxxxxx	10/02/25	1:57
81)	16	0930_47.D	xxxxxxxxxx	10/02/25	2:30
82)	17	0930_48.D	xxxxxxxxxx	10/02/25	3:01
83)	18	0930_49.D	xxxxxxxxxx	10/02/25	3:36
84)	19	0930_50.D	xxxxxxxxxx	10/02/25	4:12
85)	20	0930_51.D	xxxxxxxxxx	10/02/25	9:08

Injection Log

Data Directory: H:\AIR2025\CHEM24\09SEP\23\

Line	VI	FileName	SampleName	MiscInfo	Injection Time
1)	14	0923_01.D	xxxxxxxxxx		09/23/25 8:15
2)	14	0923_01A.D	xxxxxxxxxx		09/23/25 9:14
3)	14	0923_01B.D	xxxxxxxxxx		09/23/25 10:35
4)	15	0923_02.D	xxxxxxxxxx		09/23/25 11:15
5)	16	0923_03.D	BFB TUNE	0/0 ; ITSD Air37I	09/23/25 11:50
6)	3	0923_04.D	ICAL 0.01	0.01 (40cc -1); T015	09/23/25 12:25
7)	4	0923_05.D	ICAL 0.02	0.02 (80cc -1) ; T01	09/23/25 13:03
8)	5	0923_06.D	ICAL 0.035	0.035 (140cc -1) ; T	09/23/25 13:40
9)	6	0923_07.D	ICAL 0.05	0.05 ppb ; T01515	09/23/25 14:18
10)	7	0923_08.D	ICAL 0.1	0.10 ppb ; T01515	09/23/25 15:23
11)	8	0923_09.D	ICAL 0.2	0.20 ppb ; T01515	09/23/25 15:59
12)	9	0923_10.D	ICAL 0.5	0.50 ppb ; T01515	09/23/25 16:36
13)	10	0923_11.D	ICAL 2.5	2.5 ppb ; T01515	09/23/25 17:17
14)	11	0923_12.D	ICAL 5	5.0 ppb ; T01515	09/23/25 17:52
15)	12	0923_13.D	ICAL 25	25 ppb ; T01515	09/23/25 18:32
16)	13	0923_14.D	ICAL 40	40 ppb ; T0151	09/23/25 19:11
17)	16	0923_15.D	ICAL 1	1ppb ; T01509 ; AIR3	09/23/25 19:47
18)	16	0923_16.D	ICAL 10	10ppb ; T01509 ; AIR	09/23/25 20:22
19)	17	0923_17.D	ICV_CHEM24_0923	10ppb lcs ; T01515	09/23/25 20:59
20)	18	0923_18.D	xxxxxxxxxx		09/23/25 21:33
21)	19	0923_19.D	xxxxxxxxxx		09/23/25 22:08

Injection Log

Data Directory: H:\AIR2025\CHEM24\09SEP\30\

Line	VL	FileName	SampleName	MiscInfo	Injection Time
1)	1	0930_01.D	xxxxxxxxxx		09/30/25 9:33
2)	2	0930_02.D	BFB TUNE - CCAL 1	1ppb ccal; T01516A	09/30/25 10:09
3)	3	0930_03.D	xxxxxxxxxx		09/30/25 10:46
4)	4	0930_04.D	CU37307 LCS	CU37307 LCS	09/30/25 12:13
5)	5	0930_05.D	CU37307 BLANK	CU37307 BLANK	09/30/25 12:46
6)	6	0930_06.D	xxxxxxxxxx		09/30/25 13:21
7)	7	0930_07.D	OUTDOOR AMBIENT	CU37307	09/30/25 14:06
8)	8	0930_08.D	OUTDOOR AMBIENT DUP	CU37307 DUP	09/30/25 14:48
9)	9	0930_09.D	xxxxxxxxxx		09/30/25 15:27
10)	10	0930_10.D	xxxxxxxxxx		09/30/25 16:07
11)	11	0930_11.D	xxxxxxxxxx		09/30/25 16:45
12)	12	0930_12.D	xxxxxxxxxx		09/30/25 17:22
13)	13	0930_13.D	xxxxxxxxxx		09/30/25 19:29
14)	14	0930_14.D	xxxxxxxxxx		09/30/25 20:09
15)	15	0930_15.D	xxxxxxxxxx		09/30/25 20:49
16)	16	0930_16.D	xxxxxxxxxx		09/30/25 21:28
17)	17	0930_17.D	xxxxxxxxxx		09/30/25 22:06
18)	18	0930_18.D	xxxxxxxxxx		09/30/25 22:44
19)	19	0930_19.D	xxxxxxxxxx		09/30/25 23:19
20)	20	0930_20.D	xxxxxxxxxx		09/30/25 23:54
21)	21	0930_21.D	xxxxxxxxxx		10/01/25 0:29
22)	22	0930_22.D	xxxxxxxxxx		10/01/25 1:10
23)	23	0930_23.D	xxxxxxxxxx		10/01/25 1:43
24)	24	0930_24.D	xxxxxxxxxx		10/01/25 3:04
25)	25	0930_25.D	xxxxxxxxxx		10/01/25 5:52
26)	26	0930_26.D	xxxxxxxxxx		10/01/25 6:33
27)	27	0930_27.D	CCCAL 1	1ppb ccal; T01516A	10/01/25 9:18
28)	28	0930_28.D	xxxxxxxxxx		10/01/25 9:54
29)	29	0930_29.D	xxxxxxxxxx		10/01/25 11:15

Injection Log

Data Directory: H:\AIR2025\CHEM39\09SEP\20\

Line	VI	FileName	SampleName	MiscInfo	Injection Time
1)	12	0920_01.D	xxxxxxxxxx		09/20/25 9:10
2)	13	0920_02.D	BFB TUNE	0/0	09/20/25 9:45
3)	14	0920_03.D	ICAL 0.01	0.01ppbv	09/20/25 10:22
4)	15	0920_04.D	ICAL 0.02	0.02 ppbv	09/20/25 10:59
5)	16	0920_05.D	ICAL 0.035	0.035 ppbv	09/20/25 11:37
6)	17	0920_06.D	ICAL 0.05	0.05 ppbv	09/20/25 12:17
7)	18	0920_07.D	ICAL 0.1	0.10 ppbv	09/20/25 12:53
8)	19	0920_08.D	ICAL 0.2	0.20 ppbv	09/20/25 13:30
9)	20	0920_09.D	ICAL 0.5	0.5 ppbv	09/20/25 14:08
10)	21	0920_10.D	ICAL 2.5	2.5 ppbv	09/20/25 14:47
11)	22	0920_11.D	ICAL 5	5.0 ppbv	09/20/25 15:24
12)	23	0920_12.D	ICAL 25	25 ppbv	09/20/25 16:03
13)	24	0920_13.D	ICAL 40	40 ppbv	09/20/25 16:44
14)	25	0920_14.D	ICAL 1	1.0 ppbv	09/20/25 17:22
15)	26	0920_15.D	ICAL 10	10.0 ppbv	09/20/25 17:59
16)	27	0920_16.D	ICV_CHEM39_0920	10 ppbv LCs	09/20/25 18:38
17)	28	0920_17.D	xxxxxxxxxx		09/20/25 19:13
18)	29	0920_18.D	xxxxxxxxxx		09/20/25 19:49

Injection Log

Data Directory: H:\AIR2025\CHEM39\09SEP\30\

Line	VI	FileName	SampleName	MiscInfo	Injection Time
1)	2	0930_02.D	xxxxxxxxxx		09/30/25 9:34
2)	3	0930_03.D	xxxxxxxxxx		09/30/25 10:09
3)	4	0930_04.D	xxxxxxxxxx		09/30/25 10:44
4)	1	0930_05.D	BFB TUNE - CCAL 1	1ppb cCal; T01516E	09/30/25 11:23
5)	1	0930_06.D	xxxxxxxxxx		09/30/25 12:01
6)	1	0930_07.D	CU37304 LCS	CU37304 LCS	09/30/25 12:40
7)	1	0930_08.D	CU37304 BLANK	CU37304 BLANK	09/30/25 13:15
8)	1	0930_09.D	xxxxxxxxxx		09/30/25 13:52
9)	2	0930_10.D	xxxxxxxxxx		09/30/25 14:36
10)	3	0930_11.D	xxxxxxxxxx		09/30/25 15:15
11)	4	0930_12.D	CV-IA-1	CU37304	09/30/25 15:58
12)	5	0930_13.D	CV-IA-1 DUP	CU37304 DUP	09/30/25 16:41
13)	6	0930_14.D	xxxxxxxxxx		09/30/25 17:18
14)	7	0930_15.D	xxxxxxxxxx		09/30/25 17:55
15)	8	0930_16.D	xxxxxxxxxx		09/30/25 18:32
16)	9	0930_17.D	xxxxxxxxxx		09/30/25 19:08
17)	10	0930_18.D	xxxxxxxxxx		09/30/25 19:45
18)	11	0930_19.D	xxxxxxxxxx		09/30/25 20:22
19)	12	0930_20.D	xxxxxxxxxx		09/30/25 20:59
20)	13	0930_21.D	xxxxxxxxxx		09/30/25 21:36
21)	14	0930_22.D	xxxxxxxxxx		09/30/25 22:13
22)	15	0930_23.D	xxxxxxxxxx		09/30/25 22:50
23)	16	0930_24.D	xxxxxxxxxx		09/30/25 23:27
24)	17	0930_25.D	xxxxxxxxxx		10/01/25 0:04
25)	18	0930_26.D	xxxxxxxxxx		10/01/25 0:39
26)	19	0930_27.D	xxxxxxxxxx		10/01/25 5:16
27)	20	0930_28.D	xxxxxxxxxx		10/01/25 8:36
28)	21	0930_29.D	xxxxxxxxxx		10/01/25 9:13
29)	22	0930_30.D	xxxxxxxxxx		10/01/25 9:50
30)	23	0930_31.D	xxxxxxxxxx		10/01/25 10:27
31)	22	0930_32.D	xxxxxxxxxx		10/01/25 11:04
32)	23	0930_33.D	xxxxxxxxxx		10/01/25 11:42
33)	24	0930_34.D	xxxxxxxxxx		10/01/25 12:22
34)	25	0930_35.D	xxxxxxxxxx		10/01/25 13:01

ATTACHMENT C
DUSR

**DATA USABILITY SUMMARY REPORT
FOR SEPTEMBER 2025 SVI SAMPLING
MOM'S CLEANERS SITE
NYSDEC SITE NO. 152184
556 UNION BOULEVARD, WEST ISLIP, NY
SAMPLE DELIVERY GROUP # GCU37304**

This DUSR was prepared using the entire original laboratory report, including the sample data summary report and the extended data package. The sampling event included four indoor air samples (CV-1A-1, CV-1A-2, CV-1A-3 & PT-1A-1), one ambient air sample, and one discharge sample was collected from the sub-slab depressurization system (effluent).

Sample Collection Procedures

The samples were collected in laboratory-provided batch-certified Summa canisters equipped with laboratory calibrated flow controllers. Collection of each sample was performed over an approximate eight-hour period. Each of the flow controllers for the primary samples was closed when the vacuum in the canister was nearly depleted, but some vacuum remained. Chain-of-custody documentation was present and complete.

Sample Analyses

The samples were transported to the laboratory and analyzed by Phoenix Environmental Laboratories, Inc. at their Manchester, Connecticut facility, which is NYSDOH-certified for the analyses performed. The samples were analyzed for volatile organic compounds (VOCs) using Method TO-15, with low-level analyses for the indoor air samples. The analytical methods and analytes are appropriate for the intended use of the data. The sample holding times were met and no problems with sample receipt or handling were reported by the laboratory. The samples were logged in by the lab based on the sample IDs on the tags and the correct can numbers printed on the canisters themselves were used.

The recoveries for the continuing calibration met criteria with the exception that maximum % deviations were not met for 1,2,4-Trichlorobenzene 52.0% (20), Naphthalene 35.8% (30), and 1,2,4-Trichlorobenzene(sim) 35.0% (20). The maximum % deviations were also not met and Trichlorobenzene 44.0% (20), Naphthalene 31.9% (30), and 1,2,4-Trichlorobenzene(sim) 30.0% (20) for the closing calibration.

Surrogate recoveries were complete and within limits. Internal standards were also noted to be complete and within limits.

Duplicate samples analysis was performed by the laboratory and utilized to evaluate the precision of the laboratory analyses. The results from the laboratory duplicate sample and the associated parent sample are very similar. Based on the laboratory's duplicate sample results, the laboratory results are likely to be precise.

Method blanks (MB) sample were analyzed by the laboratory to evaluate the potential for cross-contamination associated with the sample preparation and analysis. The MB results did not show detectable concentrations of VOCs and, therefore, cross-contamination associated with sample preparation or analysis does not appear to affect the sample data.

Air canister cleanings logs are maintained by the laboratory to evaluate the potential for cross-contamination associated with the sample containers. The air canister cleanings logs show that cleaning measures are taken to prevent cross-contamination associated with sample containers.

Laboratory control samples (LCS) were used by the laboratory to verify the accuracy and precision of the analyses. The LCS percent recoveries (%REC) were noted to be within established guidelines with the exception of Acrylonitrile, 1,2,4-Trichlorobenzene, and Naphthalene. Based on the LCS data the analytical results appear to be precise and accurate.

Questions and Responses

1. Is the data package complete as defined under the current requirements for the NYSDEC ASP Category B or USEPA CLP deliverables?

The data package is complete. The external and internal chain of custody forms are present and complete. The case narrative and sample analysis summaries are present and complete. The analytical QA/QC summary forms, including surrogate recovery forms, LCS forms, IDL forms, initial and continuing calibration summary forms, standards raw data, tuning criteria report, and MB data are all present and complete. The data report forms, including sample prep logs, injection logs, canister cleaning logs, and examples of the calculations used to determine the sample concentrations are all present and complete. The raw data used to identify and quantify the contract-specified analytes are present and complete.

Data completeness for the field program was also verified. The numbers and types of samples collected are in agreement with the work plan.

2. Have all holding times been met?

All samples were received and analyzed within the EPA-recommended holding times for the analyses performed.

3. Do all the QC data: blanks, instrument tunings, calibration standards, calibration verifications, surrogate recoveries, spike recoveries, replicate analyses, laboratory controls and sample data, fall within the protocol-required limits and specifications?

Some QC data was noted to be outside the protocol required limits and specifications.

4. Have all of the data been generated using established and agreed-upon analytical protocols?

Yes – all of the data were generated using the Compendium of Methods for the Determination of Toxic Organic Compounds, Compendium Method TO-15, January 1999.

5. Does an evaluation of the raw data confirm the results provided in the data summary sheets and quality control verification forms?

Yes – a representative number of raw data results were compared with the reported data results to confirm that the reported analytical results (identification and quantification) are substantiated by the raw data.

6. Have the correct data qualifiers been used?

Yes, U-qualified data qualifiers were used when the compound was not detected above the method detection limit/limit of detection. E-qualified data qualifiers were used when an estimated value was quantified above calibration range. S-qualified data qualifiers are used to indicate potential laboratory contamination if the concentration is less than five times the reporting level. No other qualifiers were utilized in the data package.

7. Have any quality control (QC) exceedances been specifically noted in the DUSR and have the corresponding QC summary sheets from the data package been attached to the DUSR?

Yes, QC exceedances have been reported in the data package and the corresponding pages are attached.

Conclusions

The air and effluent samples were collected in accordance with NYSDOH guidance. No field or laboratory conditions occurred that would result in non-valid analytical data for the VOCs of concern at this site. The data appear to be adequate for their intended purpose.



587 East Middle Turnpike, P.O. Box 370, Manchester, CT 06040
Telephone: 860.645.1102 • Fax: 860.645.0823

NY ANALYTICAL SERVICES PROTOCOL DATA PACKAGE

FPM Group
CAPTREE

GCU37304

Ver 1

SDG: GCU37304

Volatile Air Conformance / Non-Conformance Summary

Project ID / Client ID: CAPTREE, FPM Group

Form 1 (Analysis):

No observations noted.

Detailed reference spectra will print 'Below Cal' for the full scan compounds that are reported from the SIM and are below the lowest calibration point in the full scan analysis. If analytes required manual integration. Manual integrations are flagged with an 'm' to indicate the analyte that required this process.

Form 2 (Surrogates):

All surrogates met criteria with the following exceptions:

Sample: CU36389 LCS - Bromochloromethane % (70-130), 1,4-Difluorobenzene % (70-130), Chlorobenzene-d5 % (70-130)

Form 3 (Laboratory Control/Matrix Spike):

Sample: CU36389 LCS

All LCS recoveries met criteria with the following exceptions: None.

Sample: CU37307 LCS

All LCS recoveries met criteria with the following exceptions: 1,2,4-Trichlorobenzene 66%

Sample: CU37304 LCS

All LCS recoveries met criteria with the following exceptions: Acrylonitrile 135%, 1,2,4-Trichlorobenzene 135%, Naphthalene 131%

Sample: CU37309 LCS

All LCS recoveries met criteria with the following exceptions: None.

Form 4 (Method Blank):

File: CHEM20 0929_05.D

All compounds were non-detect with the following exceptions: None.

File: CHEM20 0930_04.D

All compounds were non-detect with the following exceptions: None.

File: CHEM24 0930_05.D

All compounds were non-detect with the following exceptions: None.

File: CHEM39 0930_08.D

All compounds were non-detect with the following exceptions: None.

Form 5 (Tune):

File: CHEM20 0909_04.D

All Tune criteria was met with the following exceptions: None.

File: CHEM20 0929_02.D

All Tune criteria was met with the following exceptions: None.

File: CHEM20 0930_01.D



Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06040
Tel. (860) 645-1102 Fax (860) 645-0823



SDG: GCU37304

Volatile Air Conformance / Non-Conformance Summary

Project ID / Client ID: CAPTREE, FPM Group

All Tune criteria was met with the following exceptions: None.

File: CHEM24 0923_03.D

All Tune criteria was met with the following exceptions: None.

File: CHEM24 0930_02.D

All Tune criteria was met with the following exceptions: None.

File: CHEM39 0920_02.D

All Tune criteria was met with the following exceptions: None.

File: CHEM39 0930_05.D

All Tune criteria was met with the following exceptions: None.

Form 6 (Initial Calibration):

Calibration: CHEM20 09/09/25 - 09/09/25

100% of method compounds met criteria.

The following compounds did not meet maximum % deviations: None.

All ICV recoveries met criteria (70-130) with the following exceptions: None.

Calibration: CHEM24 09/23/25 - 09/23/25

100% of method compounds met criteria.

The following compounds did not meet maximum % deviations: None.

All ICV recoveries met criteria (70-130) with the following exceptions: None.

Calibration: CHEM39 09/20/25 - 09/20/25

100% of method compounds met criteria.

The following compounds did not meet maximum % deviations: None.

All ICV recoveries met criteria (70-130) with the following exceptions:

Form 7 (Continuing Calibration):

File: CHEM20 0929_02.D (Opening)

100% of method compounds met criteria.

The following compounds did not meet maximum % deviations: None.

File: CHEM20 0930_01.D (Closing / Opening)

100% of method compounds met criteria.

The following compounds did not meet maximum % deviations: None.

File: CHEM20 0930_25.D (Closing)

The following compounds did not meet maximum % deviations: None.

File: CHEM24 0930_02.D (Opening)

99% of method compounds met criteria.

The following compounds did not meet maximum % deviations: 1,2,4-Trichlorobenzene 52.0% (20), Naphthalene 35.8% (30),
1,2,4-Trichlorobenzene(sim) 35.0% (20)

File: CHEM24 0930_27.D (Closing)

The following compounds did not meet maximum % deviations: 1,2,4-Trichlorobenzene 44.0% (20), Naphthalene 31.9% (30),
1,2,4-Trichlorobenzene(sim) 30.0% (20)

SDG: GCU37304

Volatile Air Conformance / Non-Conformance Summary

Project ID / Client ID: CAPTREE, FPM Group

File: CHEM39 0930_05.D (Opening)

100% of method compounds met criteria.

The following compounds did not meet maximum % deviations: 1,4-Dioxane(sim) 21.0% (20)

Form 8 (Internal Standard and Retention Time):

File: CHEM20 - 20_AIR_0909.M / 0929_02.D Full

All samples met internal standard area and retention time criteria with the following exceptions: None.

File: CHEM20 - 20_AIR_0909.M / 0929_02.D Sim

All samples met internal standard area and retention time criteria with the following exceptions: None.

File: CHEM20 - 20_AIR_0909.M / 0930_01.D Full

All samples met internal standard area and retention time criteria with the following exceptions: None.

File: CHEM20 - 20_AIR_0909.M / 0930_01.D Sim

All samples met internal standard area and retention time criteria with the following exceptions: None.

File: CHEM20 - 20_AIR_0909.M / Average Full

All samples met internal standard area and retention time criteria with the following exceptions: None.

File: CHEM20 - 20_AIR_0909.M / Average Sim

All samples met internal standard area and retention time criteria with the following exceptions: None.

File: CHEM24 - 24_AIR_0923.M / 0930_02.D Full

All samples met internal standard area and retention time criteria with the following exceptions: None.

File: CHEM24 - 24_AIR_0923.M / 0930_02.D Sim

All samples met internal standard area and retention time criteria with the following exceptions: None.

File: CHEM24 - 24_AIR_0923.M / Average Full

All samples met internal standard area and retention time criteria with the following exceptions: None.

File: CHEM24 - 24_AIR_0923.M / Average Sim

All samples met internal standard area and retention time criteria with the following exceptions: None.

File: CHEM39 - 39_AIR_0920.M / 0930_05.D Full

All samples met internal standard area and retention time criteria with the following exceptions: None.

File: CHEM39 - 39_AIR_0920.M / 0930_05.D Sim

All samples met internal standard area and retention time criteria with the following exceptions: None.

File: CHEM39 - 39_AIR_0920.M / Average Full

All samples met internal standard area and retention time criteria with the following exceptions: None.

File: CHEM39 - 39_AIR_0920.M / Average Sim

All samples met internal standard area and retention time criteria with the following exceptions: None.

Sample data is not affected by detections in the canister cleaning blank associated with this SDG.

Any compound that is not detected above the MDL/LOD is reported as ND on the report and is reported in the electronic

3
AIR LCS RECOVERY

Lab Name: Phoenix Environmental Labs Client: FPMGROUP
 Lab Code: Phoenix Case No: _____ SAS No: _____ SDG No GCU37304
 LCS - Client Id: CU36389 LCS

COMPOUND	SPIKE ADDED (ppbv)		LCS CONCENTRATION (ppbv)	LCS % REC #	QC. LIMITS REC.	
Propylene	10		9.848	98	70	130
Dichlorodifluoromethane	10		9.920	99	70	130
Chloromethane	10		9.716	97	70	130
1,2-Dichlorotetrafluoroethane	10		9.658	97	70	130
Vinyl Chloride	10		9.638	96	70	130
1,3-Butadiene	10		9.696	97	70	130
Bromomethane	10		9.610	96	70	130
Chloroethane	10		9.563	96	70	130
Ethanol	10		10.71	107	70	130
Acetone	10		9.044	90	70	130
Trichlorofluoromethane	10		9.298	93	70	130
Isopropylalcohol	10		9.790	98	70	130
Acrylonitrile	10		11.68	117	70	130
1,1-Dichloroethene	10		9.181	92	70	130
Methylene Chloride	10		9.011	90	70	130
Carbon Disulfide	10		9.406	94	70	130
Trichlorotrifluoroethane	10		9.219	92	70	130
Trans-1,2-Dichloroethene	10		10.04	100	70	130
1,1-Dichloroethane	10		9.674	97	70	130
Methyl tert-butyl ether(MTBE)	10		9.631	96	70	130
Methyl Ethyl Ketone	10		9.790	98	70	130
Cis-1,2-Dichloroethene	10		9.440	94	70	130
Hexane	10		10.24	102	70	130
Chloroform	10		9.448	94	70	130
Ethyl acetate	10		10.78	108	70	130
Tetrahydrofuran	10		9.630	96	70	130
1,2-Dichloroethane	10		9.374	94	70	130
1,1,1-Trichloroethane	10		9.506	95	70	130
Benzene	10		9.843	98	70	130
Carbon Tetrachloride	10		9.523	95	70	130
Cyclohexane	10		9.096	91	70	130
1,2-dichloropropane	10		9.874	99	70	130
Bromodichloromethane	10		9.695	97	70	130
Trichloroethene	10		9.539	95	70	130
2,2,4-trimethylpentane	10		9.965	100	70	130
1,4-Dioxane	10		10.06	101	70	130
Heptane	10		10.33	103	70	130
cis-1,3-Dichloropropene	10		9.950	100	70	130
4-Methyl-2-pentanone(MIBK)	10		9.871	99	70	130
trans-1,3-Dichloropropene	10		9.716	97	70	130
1,1,2-Trichloroethane	10		9.681	97	70	130
Toluene	10		9.967	100	70	130
Dibromochloromethane	10		9.581	96	70	130
2-Hexanone(MBK)	10		10.14	101	70	130

FORM III AIR

LCS - Client Id: CU36389 LCS

[illegible]

LCS - Client Id: CU37307 LCS

[illegible]

7B
AIR CONTINUING CALIBRATION CHECK

Lab Name: Phoenix Environmental Labs Client: FPMGROUP

Lab Code: Phoenix Case No.: SAS No.: SDG No.: GCU37304

Instrument: CHEM24 Calibration Date: 09/30/25 Time: 10:09

Lab File Id: 0930_02.D Init. Calib. Date(s): 09/23/25 09/23/25

Heated Purge (Y/N): Y Init. Calib. Times: 12:25 20:22

GC Column: RTX-1 Method File: 24_AIR_0923.M

COMPOUND	RRF	RRF1	RRF MIN	%D	% D LIMITS
1,4-Dioxane	0.242	0.231		4.5	30
Heptane	0.939	0.986		-5.0	30
cis-1,3-Dichloropropene	0.817	0.787		3.7	30
4-Methyl-2-pentanone(MIBK)	1.210	1.294		-6.9	30
trans-1,3-Dichloropropene	0.630	0.607		3.7	30
1,1,2-Trichloroethane	0.476	0.455		4.4	30
Toluene	1.353	1.332		1.6	30
Dibromochloromethane	0.796	0.739		7.2	30
2-Hexanone(MBK)	1.008	0.987		2.1	30
1,2-Dibromoethane(EDB)	0.760	0.729		4.1	30
Tetrachloroethene	0.534	0.490		8.2	30
1,1,1,2-Tetrachloroethane	0.898	0.874		2.7	30
Chlorobenzene	1.674	1.617		3.4	30
Ethylbenzene	2.862	2.953		-3.2	30
m,p-Xylene	2.121	1.773		16.4	30
Bromoform	1.151	1.002		12.9	30
Styrene	1.575	1.475		6.3	30
1,1,2,2-Tetrachloroethane	1.957	1.941		0.8	30
o-Xylene	2.331	2.276		2.4	30
Isopropylbenzene	2.956	3.017		-2.1	30
4-Ethyltoluene	2.994	2.858		4.5	30
1,3,5-Trimethylbenzene	2.363	2.547		-7.8	30
1,2,4-Trimethylbenzene	2.506	2.470		1.4	30
Benzyl chloride	1.839	1.390		24.4	30
1,3-Dichlorobenzene	1.448	1.214		16.2	30
1,4-Dichlorobenzene	1.368	1.093		20.1	30
sec-Butylbenzene	3.686	3.727		-1.1	30
4-Isopropyltoluene	3.152	3.097		1.7	30
1,2-Dichlorobenzene	1.352	1.185		12.4	30
n-Butylbenzene	2.896	2.824		2.5	30
1,2,4-Trichlorobenzene q	1.000	0.48		52.0 #	20
Naphthalene	1.910	1.227		35.8 #	30
Hexachlorobutadiene	0.948	0.853		10.0	30
1,2-Dichlorotetrafluoroethane(sim)	3.716	3.500		5.8	30
Vinyl Chloride(sim)	1.751	1.745		0.3	30

(*) Recommended RRF not met (+) %D exceeds criteria % (#) %D exceeds (maximum) criteria

%D: 20% of target compounds are allowed to be above criteria %, but must be less than the (maximum) %D

(#) Maximum %D not met.

7B
AIR CONTINUING CALIBRATION CHECK

Lab Name: Phoenix Environmental Labs Client: FPMGROUP

Lab Code: Phoenix Case No.: SAS No.: SDG No.: GCU37304

Instrument: CHEM24 Calibration Date: 09/30/25 Time: 10:09

Lab File Id: 0930_02.D Init. Calib. Date(s): 09/23/25 09/23/25

Heated Purge (Y/N): Y Init. Calib. Times: 12:25 20:22

GC Column: RTX-1 Method File: 24_AIR_0923.M

COMPOUND	RRF	RRF1	RRF MIN	%D	% D LIMITS
Bromomethane(sim)	1.513	1.285		15.1	30
Trichlorofluoromethane(sim)	3.469	3.542		-2.1	30
1,2-Dichloroethane(sim)	2.148	2.188		-1.9	30
1,1,1-Trichloroethane(sim)	3.091	3.084		0.2	30
Benzene(sim)	5.358	4.955		7.5	30
Carbon Tetrachloride(sim)	2.595	2.877		-10.9	30
1,1-Dichloroethene(sim)	2.553	2.595		-1.6	30
Trichlorotrifluoroethane(sim)	2.901	2.894		0.2	30
Trans-1,2-Dichloroethene(sim)	2.307	2.397		-3.9	30
1,1-Dichloroethane(sim)	3.091	3.226		-4.4	30
Cis-1,2-Dichloroethene(sim)	2.303	2.301		0.1	30
Chloroform(sim)	3.322	3.398		-2.3	30
1,2-dichloropropane(sim)	0.572	0.582		-1.7	30
Bromodichloromethane(sim)	0.899	0.942		-4.8	30
Trichloroethene(sim)	0.506	0.488		3.6	30
1,4-Dioxane(sim)	0.215	0.231		-7.4	30
cis-1,3-Dichloropropene(sim)	0.827	0.880		-6.4	30
1,1,2-Trichloroethane(sim)	0.470	0.455		3.2	30
Dibromochloromethane(sim)	0.793	0.822		-3.7	30
1,2-Dibromoethane(EDB)(sim)	0.724	0.729		-0.7	30
Tetrachloroethene(sim)	0.597	0.556		6.9	30
Bromoform(sim)	1.165	1.142		2.0	30
m,p-Xylene(sim)	2.388	2.244		6.0	30
1,1,2,2-Tetrachloroethane(sim)	2.172	2.127		2.1	30
Benzyl chloride(sim) qfi	1.000	0.89		11.0	20
1,3-Dichlorobenzene(sim)	1.497	1.492		0.3	30
1,4-Dichlorobenzene(sim)	1.292	1.093		15.4	30
sec-Butylbenzene(sim)	4.129	4.109		0.5	30
4-Isopropyltoluene(sim)	3.191	3.097		2.9	30
1,2-Dichlorobenzene(sim)	1.501	1.362		9.3	30
n-Butylbenzene(sim)	2.643	2.824		-6.8	30
1,2,4-Trichlorobenzene(sim) q	1.000	0.65		35.0 #	20
Hexachlorobutadiene(sim) qfi	1.000	0.91		9.0	20
% Bromofluorobenzene	1.151	1.164		-1.1	30

(*) Recommended RRF not met (+) %D exceeds criteria % (#) %D exceeds (maximum) criteria
%D: 20% of target compounds are allowed to be above criteria %, but must be less than the (maximum) %D
(#) Maximum %D not met.

7B
AIR CONTINUING CALIBRATION CHECK

Lab Name: Phoenix Environmental Labs Client: FPMGROUP

Lab Code: Phoenix Case No.: SAS No.: SDG No.: GCU37304

Instrument: CHEM24 Calibration Date: 10/01/25 Time: 09:18

Lab File Id: 0930_27.D Init. Calib. Date(s): 09/23/25 09/23/25

Heated Purge (Y/N): Y Init. Calib. Times: 12:25 20:22

GC Column: RTX-1 Method File: 24_AIR_0923.M

COMPOUND	RRF	RRF50	RRF MIN	%D	% D LIMITS
1,4-Dioxane	0.242	0.235		2.9	30
Heptane	0.939	0.945		-0.6	30
cis-1,3-Dichloropropene	0.817	0.782		4.3	30
4-Methyl-2-pentanone(MIBK)	1.210	1.256		-3.8	30
trans-1,3-Dichloropropene	0.630	0.611		3.0	30
1,1,2-Trichloroethane	0.476	0.431		9.5	30
Toluene	1.353	1.294		4.4	30
Dibromochloromethane	0.796	0.723		9.2	30
2-Hexanone(MBK)	1.008	1.026		-1.8	30
1,2-Dibromoethane(EDB)	0.760	0.710		6.6	30
Tetrachloroethene	0.534	0.455		14.8	30
1,1,1,2-Tetrachloroethane	0.898	0.858		4.5	30
Chlorobenzene	1.674	1.582		5.5	30
Ethylbenzene	2.862	2.831		1.1	30
m,p-Xylene	2.121	1.749		17.5	30
Bromoform	1.151	1.007		12.5	30
Styrene	1.575	1.435		8.9	30
1,1,2,2-Tetrachloroethane	1.957	1.875		4.2	30
o-Xylene	2.331	2.255		3.3	30
Isopropylbenzene	2.956	2.897		2.0	30
4-Ethyltoluene	2.994	2.902		3.1	30
1,3,5-Trimethylbenzene	2.363	2.265		4.1	30
1,2,4-Trimethylbenzene	2.506	2.378		5.1	30
Benzyl chloride	1.839	1.477		19.7	30
1,3-Dichlorobenzene	1.448	1.165		19.5	30
1,4-Dichlorobenzene	1.368	1.136		17.0	30
sec-Butylbenzene	3.686	3.663		0.6	30
4-Isopropyltoluene	3.152	2.917		7.5	30
1,2-Dichlorobenzene	1.352	1.129		16.5	30
n-Butylbenzene	2.896	2.704		6.6	30
1,2,4-Trichlorobenzene q	1.000	0.56		44.0 #	20
Naphthalene	1.910	1.301		31.9 #	30
Hexachlorobutadiene	0.948	0.820		13.5	30
1,2-Dichlorotetrafluoroethane(sim)	3.716	3.334		10.3	30
Vinyl Chloride(sim)	1.751	1.679		4.1	30

(*) Recommended RRF not met (+) %D exceeds criteria % (#) %D exceeds (maximum) criteria

%D: 20% of target compounds are allowed to be above criteria %, but must be less than the (maximum) %D

(#) Maximum %D not met.

7B
AIR CONTINUING CALIBRATION CHECK

Lab Name: Phoenix Environmental Labs Client: FPMGROUP

Lab Code: Phoenix Case No.: SAS No.: SDG No.: GCU37304

Instrument: CHEM24 Calibration Date: 10/01/25 Time: 09:18

Lab File Id: 0930_27.D Init. Calib. Date(s): 09/23/25 09/23/25

Heated Purge (Y/N): Y Init. Calib. Times: 12:25 20:22

GC Column: RTX-1 Method File: 24_AIR_0923.M

COMPOUND	RRF	RRF50	RRF MIN	%D	% D LIMITS
Bromomethane(sim)	1.513	1.211		20.0	30
Trichlorofluoromethane(sim)	3.469	3.374		2.7	30
1,2-Dichloroethane(sim)	2.148	2.083		3.0	30
1,1,1-Trichloroethane(sim)	3.091	3.007		2.7	30
Benzene(sim)	5.358	4.938		7.8	30
Carbon Tetrachloride(sim)	2.595	2.800		-7.9	30
1,1-Dichloroethene(sim)	2.553	2.472		3.2	30
Trichlorotrifluoroethane(sim)	2.901	2.771		4.5	30
Trans-1,2-Dichloroethene(sim)	2.307	2.222		3.7	30
1,1-Dichloroethane(sim)	3.091	3.093		-0.1	30
Cis-1,2-Dichloroethene(sim)	2.303	2.201		4.4	30
Chloroform(sim)	3.322	3.238		2.5	30
1,2-dichloropropane(sim)	0.572	0.561		1.9	30
Bromodichloromethane(sim)	0.899	0.900		-0.1	30
Trichloroethene(sim)	0.506	0.464		8.3	30
1,4-Dioxane(sim)	0.215	0.235		-9.3	30
cis-1,3-Dichloropropene(sim)	0.827	0.859		-3.9	30
1,1,2-Trichloroethane(sim)	0.470	0.431		8.3	30
Dibromochloromethane(sim)	0.793	0.806		-1.6	30
1,2-Dibromoethane(EDB)(sim)	0.724	0.710		1.9	30
Tetrachloroethene(sim)	0.597	0.529		11.4	30
Bromoform(sim)	1.165	1.114		4.4	30
m,p-Xylene(sim)	2.388	2.214		7.3	30
1,1,2,2-Tetrachloroethane(sim)	2.172	2.065		4.9	30
Benzyl chloride(sim) qfi	1.000	0.94		6.0	20
1,3-Dichlorobenzene(sim)	1.497	1.405		6.1	30
1,4-Dichlorobenzene(sim)	1.292	1.136		12.1	30
sec-Butylbenzene(sim)	4.129	4.021		2.6	30
4-Isopropyltoluene(sim)	3.191	2.917		8.6	30
1,2-Dichlorobenzene(sim)	1.501	1.325		11.7	30
n-Butylbenzene(sim)	2.643	2.704		-2.3	30
1,2,4-Trichlorobenzene(sim) q	1.000	0.70		30.0 #	20
Hexachlorobutadiene(sim) qfi	1.000	0.85		15.0	20
% Bromofluorobenzene	1.151	1.159		-0.7	30

(*) Recommended RRF not met (+) %D exceeds criteria % (#) %D exceeds (maximum) criteria
%D: 20% of target compounds are allowed to be above criteria %, but must be less than the (maximum) %D
(#) Maximum %D not met.

**ATTACHMENT D
BUILDING QUESTIONNAIRE**

Structure Sampling - Product Inventory

Page _____ of _____

Site Name & Address: South Bay Cardiovascular

Date: _____

Samplers & Company: Jake Stumm & Max Siegelbaum

Structure ID: _____

Site Number & Name: #152184 Captree Plaza (Former Mom's Cleaners Site)

Phone Number: _____

Make & Model of PID: miniRAE 3000

Date of PID Calibration: _____

Identify any Changes from Original Building Questionnaire: _____

Product Name/Description	Quantity	Chemical Ingredients	PID Reading	Location
Uneeda Platinum Series Kleer Vu Glass and Hard Surface Cleaner (1 Qt)	5	IPA, Ethylene glycol butyl ether, Sodium Lauryl Sulfate	0	Janitor's Closet
Purell Advanced Hand Sanitizer (1.0 L Refill Bags)	18	Ethyl Alcohol, IPA, Caprylyl Glycol, Aminomethyl Propanol	0	Janitor's Closet
Health Guard Antibacterial Soap (1.0 L Bag)	4	Benzalkonium Chloride Laurtrimonium Chloride, Cocamidopropyl Betaine, Aloe Barbadensis Leaf Juice (Aloe Vera), and Tocopheryl Acetate	0	Janitor's Closet
Kitchen Kleanser (21 oz container)	14	Chlorine, Bleach	0	Janitor's Closet
Glance RTU Glass Multi-Surface Cleaner (1Qt)	6	Diethylene Glycol Butyl Ether 2-Butoxyethanol, Sodium Lauryl Sulfate, Ammonium Hydroxide, and Sodium Xylene Sulfonate	0	Janitor's Closet
Pledge (9.07 oz)	1	IPA, 2-Hexoxyethanol, Propylene Glycol	0	Janitor's Closet
Liquid Scouring Cream (1 Qt)	2	No VOCs listed	0	Janitor's Closet
Mint Bowl Cleaner (1 Qt)	9	No VOCs listed	0	Janitor's Closet
BaB-O Cleaner (21 oz)	2	Bleach	0	Janitor's Closet
Crew NA Non-Acid Bowl and Bathroom Disinfectant Cleaner (2.5 L)	1	n-alkyl (C12-16) dimethyl benzyl ammonium chloride and di-n-alkyl (C8-10) dimethyl ammonium chloride, ethoxylates and sodium metasilicate	0	Janitor's Closet
Glance HC Glass Multi-Surface Cleaner (2.5 L)	1	diethylene glycol butyl ether, 2-butoxyethanol, sodium lauryl sulfate, ammonium hydroxide, and sodium xylene sulfonate	0	Janitor's Closet
Victoria Bay Stainless Steel Polish (15oz)	3	mineral oil, isoparaffin, propane, isobutane, and Sorbitan Sesquioleate	0	Janitor's Closet
Comet Deodorizing Cleanser (21 oz)	4	Perlite and Calcium Carbonate, Sodium Carbonate, and Sodium Alkylbenzenesulfonate	0	Janitor's Closet
Clorox Bleach Germicidal Cleaner (1 Qt)	0	sodium hypochlorite		Janitor's Closet
Tri-Max Disinfectant Cleaner (1 Qt)	0	alkyl dimethyl benzyl ammonium chlorides, octyl decyl dimethyl ammonium chloride, dioctyl dimethyl ammonium chloride, didecyl dimethyl ammonium chloride, IPA, monoethanolamine		Janitor's Closet
Neutral Cleaner (2.5 L)	1	Didecyl Dimethyl Ammonium Chloride, n-Alkyl (C14 50%, C12 40%, C16 10%) dimethyl, ethanol, 1-octanamine, n,n-dimethyl-, n-oxide	0	Janitor's Closet
Wall Power Foaming Wall Wash (1.25 lb.)	2	Butane, ethyl alcohol, propane,	0	Janitor's Closet

Page of

Date: 09/26

Structure ID:

Phone Number:

Date of PID Calibration: _____

Identify any Changes from Original Building Questionnaire:

[illegible]