

**BUILDING 730 (FORMERLY 338)
POWERHOUSE GYM SPACE PRE-OCCUPANCY
INDOOR AIR QUALITY TESTING SUMMARY
REPORT**

AT

**IPARK 84
FORMER IBM EAST FISHKILL FACILITY**

**AUGUST 2020
(UPDATED MARCH 2021 TO INCLUDE DATA
USABILITY SUMMARY REPORT)**

PREPARED FOR:

**JESSICA LACLAIR
NEW YORK STATE DEPT. OF ENVIRONMENTAL CONSERVATION
DEPT. OF ENVIRONMENTAL REMEDIATION
625 BROADWAY
ALBANY, NEW YORK 12233-7013**

WALDEN ENVIRONMENTAL ENGINEERING, PLLC
Industry Leader in Environmental Engineering Consulting

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Sent via email to jess.laclair@dec.ny.gov

August 19, 2020
iPARK0118.44

Ms. Jessica LaClair
Environmental Engineer
Division of Environmental Remediation
New York State Department of Environmental Conservation
625 Broadway
Albany, NY 12233-7013

Re: iPark 84, Former IBM East Fishkill Facility
Building 730 (Formerly Building 338) Powerhouse Gym
Pre-Occupancy Indoor Air Quality Testing
Summary Report

Dear Ms. LaClair:

Walden Environmental Engineering, PLLC (Walden) has prepared this letter to summarize the results of the indoor air quality (IAQ) testing conducted on August 11, 2020 within the Powerhouse Gym space in Building 730 (formerly Building 338). Building 730 is owned by iPark East Fishkill (iPark). Powerhouse Gym is leasing space in Building 730 on the first floor and second floor/mezzanine level. Refer to Figure 1 for the site location map. Following completion of interior construction in the gym space, IAQ testing was conducted prior to tenant occupancy as required by NYSDEC and NYSDOH. The purpose of the testing was to verify that IAQ is acceptable before the gym takes occupancy and begins operating in the space.

Walden, at the request of iPark, performed the IAQ testing in accordance with the *RCRA Facility Investigation (RFI) VOC Source Assessment Work Plan* (RFI Work Plan) dated June 15, 2009, prepared by Sanborn, Head Engineering, PC and Walden's IAQ Testing Plan letter (Testing Plan, dated July 13, 2020), which was approved by NYSDEC on July 17, 2020. A copy of the approved Testing Plan is included in Appendix A.

Installation of a Sub Slab Depressurization System (SSDS) to prevent potential soil vapor intrusion into the Powerhouse Gym space has been completed in accordance with the July 8, 2020 Basis of Design report approved by NYSDEC. A copy of the approved Basis of Design is included in Appendix B. The SSDS was not operating during the August 11th IAQ sampling in



the gym space. SSDS start-up and testing is expected to be completed in August 2020 to confirm that the mitigation system effectively depressurizes the slab beneath Building 730 (338). The start-up testing results documenting the system effectiveness will be submitted to NYSDEC/NYSDOH under separate cover.

Summary of HVAC Conditions and Building Inventory

The gym space in Building 730 is served by two HVAC units (#3A and #3B) which were operating during the August 11th, 2020 IAQ sampling under the same conditions anticipated during normal operations once the tenant takes occupancy.

With the exception of incidental cleaning and sanitizing agents, chemicals are not stored within this tenant space. During the sampling, floor adhesives and materials associated with final interior renovations were observed at the periphery of the gym space. A copy of the Indoor Air Quality Questionnaire and Building Inventory completed during the IAQ sampling event is presented in Appendix C.

Summary of IAQ Testing

IAQ testing was conducted in accordance with the procedures outlined in the NYSDEC-approved RFI Work Plan and Testing Plan. Samples were collected using 6-liter, individually certified clean, stainless-steel Summa[®] canisters. The Summa[®] canisters were calibrated by the laboratory with flow controllers to obtain 8-hour time-averaged samples. Indoor air samples were collected from a height of approximately three (3) feet above the floor at the following nine (9) locations throughout the gym space, which are depicted on Figures 2 and 3:

Sample ID	Representative Square Footage, approximate (ft ²)	Area Use
IA-1	500	First Floor - Entrance hallway
IA-2	480	First Floor - Reception area
IA-3	1,750	First Floor - Trainers Turf area
IA-4	5,000	First Floor - Main Equipment area
IA-5	1,200	First Floor - Cardio studio
IA-6	1,400	First Floor - Leg studio
IA-7	2,700	Second Floor - Mezzanine Fitness Area
IA-8	1,600	Second Floor – Locker Room Area
IA-9	1,200	Second Floor – Yoga Studio Area



A duplicate sample (DUPLICATE) was collected at location IA-4: First Floor- Main Equipment Area. One (1) outdoor ambient air sample (AA-01) was collected adjacent to one of the rooftop air intakes for the HVAC system to assess background conditions and any potential impacts on the IAQ results. A field blank was also collected by transferring lab-grade nitrogen directly from a compressed gas canister into a Summa[®] Canister.

PID readings were collected at each sample location immediately before sample collection began to evaluate whether VOCs were present in the gym space and had the potential to impact the IAQ results. The following PID readings were collected:

Sample ID	PID Reading (ppm)
IA-1	0.0
IA-2	0.0
IA-3	0.0
IA-4	0.0
IA-5	0.0
IA-6	0.0
IA-7	0.0
IA-8	0.0
IA-9	0.0
AA-01	0.4

The only PID reading above zero calibration gas equivalents was recorded at AA-01. The PID screening measurements indicated no apparent air quality impacts. The presence of cleaning products and sealants were recorded in the tenant space (refer to Appendix C).

All samples were transferred to Phoenix Labs of Manchester, CT, a NYSDOH ELAP certified laboratory (NYSDOH ELAP #11301) under chain of custody for analysis of volatile organic compound (VOC) analytes via modified Method TO-15 (full list) to achieve lower reporting limits via selective ion monitoring for TCE, vinyl chloride and carbon tetrachloride. A summary of field sampling information is provided in Table 1. The IAQ laboratory analytical data are provided in Table 2. Photos taken during the sampling are provided in Appendix D. The full laboratory analytical report is provided in Appendix E. A Data Usability Summary Report (DUSR) is being prepared and will be submitted under separate cover.



Results and Discussion

The gym IAQ analytical data were compared to the typical indoor air background concentrations published in USEPA's 2001 Building Assessment and Survey Evaluation (BASE) database. When developing BASE, USEPA collected indoor air samples at randomly selected office and commercial buildings using Summa® canisters. Table 2 presents the gym IAQ data compared to the 75th, 90th, 95th and 99th percentile indoor air BASE concentrations for reference in comparing the VOC data to typical indoor background concentrations.

All of the VOC concentrations detected in the gym IAQ samples were within or below the range of background concentrations listed in the USEPA BASE database as noted in Table 2, indicating that indoor air quality is acceptable. Based on the results from the pre-occupancy IAQ testing presented herein, please confirm that the Powerhouse Gym space within Building 730 (338) is suitable for tenant occupancy.

Please call me at (516) 624-7200 if you have any questions or need any additional information.

Very truly yours,
Walden Environmental Engineering, PLLC

Nora M. Brew, P.E.
Senior Project Manager

Attachments:

- Figure 1 – Site Location Map
- Figure 2 – Sampling Locations on the 1st Floor
- Figure 3 – Sampling Locations on the 2nd Floor

- Table 1 – Summary of Field Information
- Table 2 – Summary of IAQ Analysis (Updated based on DUSR)

- Appendix A - IAQ Testing Plan (Walden, July 13, 2020)
- Appendix B – Vapor Mitigation System Basis of Design (Walden, July 8, 2020)
- Appendix C – Indoor Air Quality Questionnaire and Building Inventory
- Appendix D – Photographic Log of Sampling Locations
- Appendix E – Laboratory Analytical Report (Category B Deliverables)
- Appendix F - Data Usability Summary Report (added March 2021)

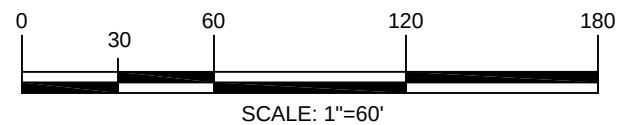
Ms. Jessica LaClair
Building 730 (338) Powerhouse Gym IAQ Testing
August 19, 2020

- 5 -



cc: J. Kenney, NYSDOH
C. Monheit, iPark
M. Buckley, iPark
D. Chartrand, IBM

Z:\iPark0118\iPark0118.44 - B338 - 60 day and SWMU Work Plan\Preoccupancy IAQ Work Plan\IAQ Sampling
Report\ipark118.44_Powerhouse Gym Pre-Occupancy IAQ Testing Report 8.19.2020.docx



SITE PLAN
SCALE: 1" = 60'-0"

REVISION		COMMENTS
No.	DATE	

FOR: **BUILDING 730 (FORMER 338)**
iPark 84 Campus
2070 State Route 52
Hopewell Junction, NY 12533

DESIGNED BY: NMB
APPROVED BY: JMH

DRAWN BY: EJK
SCALE: AS NOTED

DRAWING TITLE: **SITE PLAN**
BUILDING 730 (338)

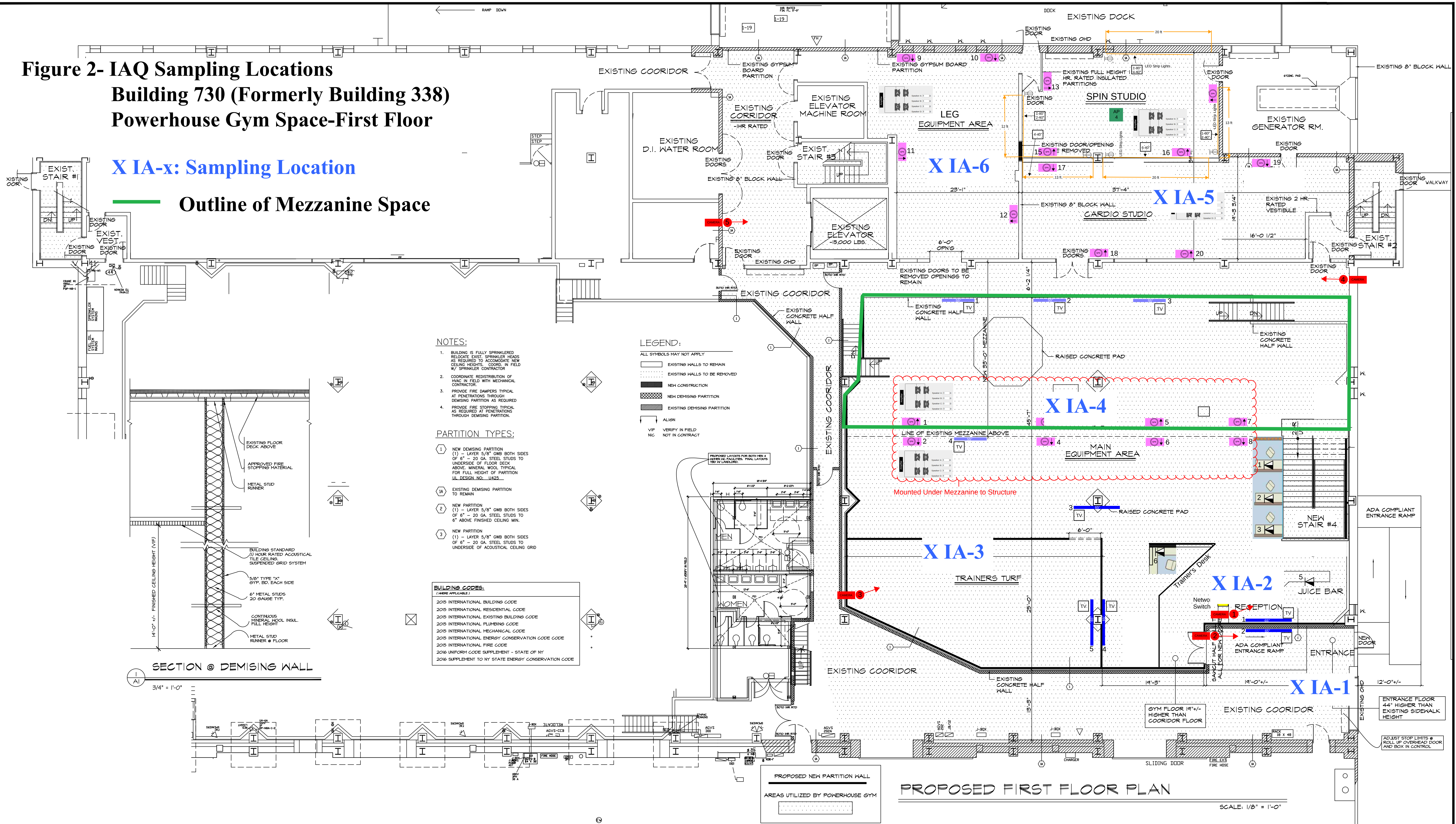
JOB NO: IPARK118.44
DATE: 2/6/20
11x17
SHEET NO: 1 OF 1

FIGURE NO:
1
REVISION NO:
0

ISSUED

Figure 2- IAQ Sampling Locations
Building 730 (Formerly Building 338)
Powerhouse Gym Space-First Floor

X IA-x: Sampling Location
Outline of Mezzanine Space



11.dwg ISSUED FOR BUILDING PERMIT

POWERHOUSE
GYM

730 South Drive
Suite 101

Hopewell Junction, NY

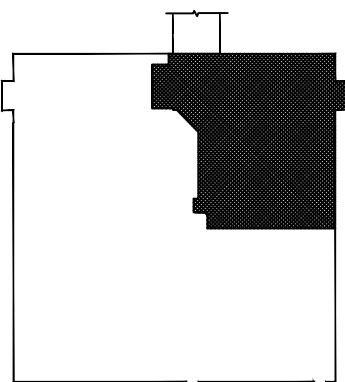
ANTHONY TOTILO ARCHITECTS
AND ASSOCIATES

Anthony Totilo, AIA

114 Old North Stamford Road
Stamford, Connecticut 06905
(203) 517-6586

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LOCATION PLAN



NOTES:

- Camera
- 65" TV
- 55" TV
- Wireless Ceiling Access Point
- Voice/Data Jack
- Surface Mounted Speaker
- LED Lights

SHEET TITLE:

1ST FLOOR PLAN

SHEET TITLE:

1	03.19.20	ISSUED FOR BLDG PERMIT
NO DATE	REVISIONS	



DRAWN BY: AT
CHECKED BY: TOT
DATE: 02.22.19
SCALE: AS NOTED

PROJECT NO:
SHEET NO:
A1

iPARK 84 Campus
2070 NY-Route 52
Hopewell Junction, New York

TABLE 1
SUMMARY OF INDOOR AIR SAMPLE INFORMATION
BUILDING 730 (FORMER 338) - POWERHOUSE GYM

Sample Location	Building Floor	Sample Matrix	Canister Number	Regulator Number	Sample Height (feet above floor)	Start Time (24-hour format)	Start Pressure (mmHg)	PID Reading (ppm)	Stop Time (24-hour format)	Stop Pressure (mmHg)	Temperature (°F)	Location Description	Chemicals Observed Near Sample Location
IA-1	Ground	Indoor Air	28566	7036	2.5	9:07	-30	0.0	15:45	-9	72	Entrance hallway	None observed
IA-2	Ground	Indoor Air	19628	5352	2.5	8:36	-30	0.0	15:30	-9	72	Juice bar area	None observed
IA-3	Ground	Indoor Air	28608	5390	2.5	8:38	-26	0.0	15:30	-9	72	Trainer's turf	Hand sanitizer and disinfectant
IA-4	Ground	Indoor Air	23329	5593	2.5	8:41	-30	0.0	15:04	-9	72	Main equipment area	Hand sanitizer and disinfectant
IA-5	Ground	Indoor Air	490	5506	2.5	8:42	-30	0.0	15:40	-9	72	Leg studio	Hand sanitizer and disinfectant
IA-6	Ground	Indoor Air	28556	4966	2.5	8:44	-30	0.0	15:07	-9	72	Cardio studio	Floor adhesives
IA-7	Mezzanine	Indoor Air	18258	5552	2.5	8:45	-30	0.0	15:37	-8	72	Mezzanine equipment area	Hand sanitizer and disinfectant
IA-8	Second Floor	Indoor Air	13638	5597	2.5	9:04	-29	0.0	15:25	-8	72	Locker room	None observed
IA-9	Second Floor	Indoor Air	28551	5395	2.5	9:00	-30	0.0	15:25	-9	72	Yoga studio	Floor adhesives
Duplicate	Ground	Indoor Air	28565	5385	2.5	8:49	-30	0.0	15:03	-8	72	Main equipment area	Hand sanitizer and disinfectant
Ambient Air	Roof	Ambient Air	23336	4490	1	8:58	-20	0.4	15:39	-9.5	80 (AM), 95 (PM)	NW Front of Building	None observed

iPARK 84 Campus
2070 NY-Route 52
Hopewell Junction, New York

TABLE 2
SUMMARY OF IAQ ANALYSIS
BUILDING 730 (FORMER 338) - POWERHOUSE GYM

CAS Registry Number		USEPA BASE Database Tables - Typical Background Concentrations for Indoor Air				Collection Date Sample ID Matrix Location Units	8/11/2020 IA-1 Air		8/11/2020 IA-2 Air		8/11/2020 IA-3 Air		8/11/2020 IA-4 Air		8/11/2020 DUPLICATE Air		8/11/2020 IA-5 Air		
	NYSDOH Air Guideline Value	75th Percentile	90th Percentile	95th Percentile	99th Percentile		Entrance hallway (1st floor)		Reception area (1st floor)		Trainers Turf Area (1st floor)		Main equipment area (1st floor)		Main equipment area (1st floor)		Cardio studio (1st floor)		
							Result	RL	Result	RL	RL		Result	RL	Result	RL	Result	RL	Result
Volatiles (TO15) By TO15																			
1,1,1-Trichloroethane	71-55-6		10.8	20.6	33.0	737.9	ug/m3	< 1.09	1.09	< 1.09	1.09	< 1.09	1.09	< 1.09	1.09	< 1.09	1.09	< 1.09	1.09
1,1-Dichloroethene	75-35-4		<1.2	<1.4	<1.6	<1.7	ug/m3	< 0.20	0.20	< 0.20	0.20	< 0.20	0.20	< 0.20	0.20	< 0.20	0.20	< 0.20	0.20
1,2,4-Trichlorobenzene	120-82-1		<1.2	<6.8	<7.2	<8.1	ug/m3	< 1.85	1.85	< 1.85	1.85	< 1.85	1.85	< 1.85	1.85	< 1.85	1.85	< 1.85	1.85
1,2-Dichlorobenzene	95-50-1		<1.0	<1.2	<1.3	10.5	ug/m3	< 0.90	0.90	< 0.90	0.90	< 0.90	0.90	< 0.90	0.90	< 0.90	0.90	< 0.90	0.90
1,3-Dichlorobenzene	541-73-1		<1.1	<2.4	<2.5	<2.8	ug/m3	< 0.90	0.90	< 0.90	0.90	< 0.90	0.90	< 0.90	0.90	< 0.90	0.90	< 0.90	0.90
1,4-Dichlorobenzene	106-46-7		1.4	5.5	12.5	80.5	ug/m3	< 0.90	0.90	< 0.90	0.90	< 0.90	0.90	< 0.90	0.90	< 0.90	0.90	< 0.90	0.90
Acetone	67-64-1		59.8	98.9	120.2	226.6	ug/m3	13	2.37	15.7	2.37	11.9	2.37	11.5	2.37	11.6	2.37	12.8	2.37
Benzene	71-43-2		5.1	9.4	12.5	25.0	ug/m3	0.19	0.16	0.23	0.16	0.24	0.16	0.25	0.16	0.22	0.16	0.22	0.16
Carbon Tetrachloride	56-23-5		<1.1	<1.3	0.7	0.9	ug/m3	0.4	0.13	0.41	0.13	0.45	0.13	0.41	0.13	0.38	0.13	0.43	0.13
Chlorobenzene	108-90-7		<0.8	<0.9	<1.0	1.0	ug/m3	< 0.92	0.92	< 0.92	0.92	< 0.92	0.92	< 0.92	0.92	< 0.92	0.92	< 0.92	0.92
Cis-1,2-Dichloroethene	156-59-2		<1.2	<1.9	<2.0	<2.2	ug/m3	< 0.20	0.20	< 0.20	0.20	< 0.20	0.20	< 0.20	0.20	< 0.20	0.20	< 0.20	0.20
Dichlorodifluoromethane	75-71-8		10.5	16.5	32.9	81.3	ug/m3	2.67	0.99	2.12	0.99	2.21	0.99	2.04	0.99	2.04	0.99	2.11	0.99
Ethylbenzene	100-41-4		3.4	5.7	7.6	18.5	ug/m3	< 0.65	0.65	< 0.65	0.65	< 0.65	0.65	< 0.65	0.65	< 0.65	0.65	< 0.65	0.65
m,p-Xylene	179601-23-1		12.2	22.2	28.5	67.6	ug/m3	< 0.65	0.65	< 0.65	0.65	< 0.65	0.65	< 0.65	0.65	< 0.65	0.65	< 0.65	0.65
Methylene Chloride	75-09-2	60	5.0	10.0	16.0	1155.6	ug/m3	< 1.39	1.39	< 1.39	1.39	< 1.39	1.39	< 1.39	1.39	< 1.39	1.39	< 1.39	1.39
o-Xylene	95-47-6		4.4	7.9	11.2	20.1	ug/m3	< 0.65	0.65	< 0.65	0.65	< 0.65	0.65	< 0.65	0.65	< 0.65	0.65	< 0.65	0.65
Tetrachloroethene	127-18-4	30	5.9	15.9	25.4	55.6	ug/m3	< 0.68	0.68	< 0.68	0.68	< 0.68	0.68	< 0.68	0.68	< 0.68	0.68	< 0.68	0.68
Toluene	108-88-3		25.9	43.0	70.8	348.9	ug/m3	< 0.75	0.75	6.93	0.75	< 0.75	0.75	1.02	0.75	1.03	0.75	0.89	0.75
Trichloroethene	79-01-6	2	1.2	4.2	6.5	57.0	ug/m3	< 0.20	0.20	< 0.20	0.20	< 0.20	0.20	< 0.20	0.20	< 0.20	0.20	< 0.20	0.20
Trichlorofluoromethane	75-69-4		6.7	18.1	54.0	860.6	ug/m3	8.31	0.84	7.52	0.84	6.63	0.84	6.79	0.84	7.02	0.84	6.96	0.84
Trichlorotrifluoroethane	76-13-1		<3.0	3.5	9.4	19.7	ug/m3	< 1.15	1.15	< 1.15	1.15	< 1.15	1.15	< 1.15	1.15	< 1.15	1.15	< 1.15	1.15
Vinyl Chloride	75-01-4		<1.0	<1.9	<2.2	<2.6	ug/m3	< 0.05	0.05	< 0.05	0.05	< 0.05	0.05	< 0.05	0.05	< 0.05	0.05	< 0.05	0.05

Notes:
Concentrations are provided in micrograms per cubic meter (µg/m³).
Highlighted analytes are included in the NYSDOH Decision Matrices.
Result Detected

iPARK 84 Campus
2070 NY-Route 52
Hopewell Junction, New York

TABLE 2
SUMMARY OF IAQ ANALYSIS
BUILDING 730 (FORMER 338) - POWERHOUSE GYM

CAS Registry Number		USEPA BASE Database Tables - Typical Background Concentrations for Indoor Air				Collection Date Sample ID Matrix Location Units	8/11/2020 IA-6 Air		8/11/2020 IA-7 Air		8/11/2020 IA-8 Air		8/11/2020 IA-9 Air		8/11/2020 AA-01 Air		8/11/2020 FB-01 Air		
	NYSDOH Air Guideline Value	75th Percentile	90th Percentile	95th Percentile	99th Percentile		Leg studio (1st floor)	Mezzanine Fitness Area	Locker Room Area (2nd floor)	Yoga Studio Area (2nd floor)	Rooftop HVAC Intake	Nitrogen Field Blank							
													Result	RL	Result	RL	Result	RL	Result
Volatiles (TO15) By TO15																			
1,1,1-Trichloroethane	71-55-6		10.8	20.6	33.0	737.9	ug/m3	< 1.09	1.09	< 1.09	1.09	< 1.09	1.09	< 1.09	1.09	< 1.09	1.09	< 1.09	1.09
1,1-Dichloroethene	75-35-4		<1.2	<1.4	<1.6	<1.7	ug/m3	< 0.20	0.20	< 0.20	0.20	< 0.20	0.20	< 0.20	0.20	< 0.20	0.20	< 0.20	0.20
1,2,4-Trichlorobenzene	120-82-1		<1.2	<6.8	<7.2	<8.1	ug/m3	< 1.85	1.85	< 1.85	1.85	< 1.85	1.85	< 1.85	1.85	< 1.85	1.85	< 1.85	1.85
1,2-Dichlorobenzene	95-50-1		<1.0	<1.2	<1.3	10.5	ug/m3	< 0.90	0.90	< 0.90	0.90	< 0.90	0.90	< 0.90	0.90	< 0.90	0.90	< 0.90	0.90
1,3-Dichlorobenzene	541-73-1		<1.1	<2.4	<2.5	<2.8	ug/m3	< 0.90	0.90	< 0.90	0.90	< 0.90	0.90	< 0.90	0.90	< 0.90	0.90	< 0.90	0.90
1,4-Dichlorobenzene	106-46-7		1.4	5.5	12.5	80.5	ug/m3	< 0.90	0.90	< 0.90	0.90	< 0.90	0.90	< 0.90	0.90	< 0.90	0.90	< 0.90	0.90
Acetone	67-64-1		59.8	98.9	120.2	226.6	ug/m3	12.7	2.37	12.7	2.37	17.7	2.37	11.6	2.37	10.3	2.37	< 2.37	2.37
Benzene	71-43-2		5.1	9.4	12.5	25.0	ug/m3	0.24	0.16	0.47	0.16	0.21	0.16	0.22	0.16	0.21	0.16	1.04	0.16
Carbon Tetrachloride	56-23-5		<1.1	<1.3	0.7	0.9	ug/m3	0.4	0.13	0.4	0.13	0.36	0.13	0.43	0.13	0.41	0.13	< 0.13	0.13
Chlorobenzene	108-90-7		<0.8	<0.9	<1.0	1.0	ug/m3	< 0.92	0.92	< 0.92	0.92	< 0.92	0.92	< 0.92	0.92	< 0.92	0.92	< 0.92	0.92
Cis-1,2-Dichloroethene	156-59-2		<1.2	<1.9	<2.0	<2.2	ug/m3	< 0.20	0.20	< 0.20	0.20	< 0.20	0.20	< 0.20	0.20	< 0.20	0.20	< 0.20	0.20
Dichlorodifluoromethane	75-71-8		10.5	16.5	32.9	81.3	ug/m3	2.13	0.99	2.01	0.99	2.19	0.99	2.29	0.99	1.89	0.99	< 0.99	0.99
Ethylbenzene	100-41-4		3.4	5.7	7.6	18.5	ug/m3	< 0.65	0.65	< 0.65	0.65	< 0.65	0.65	< 0.65	0.65	< 0.65	0.65	< 0.65	0.65
m,p-Xylene	179601-23-1		12.2	22.2	28.5	67.6	ug/m3	< 0.65	0.65	< 0.65	0.65	< 0.65	0.65	< 0.65	0.65	< 0.65	0.65	1.46	0.65
Methylene Chloride	75-09-2	60	5.0	10.0	16.0	1155.6	ug/m3	< 1.39	1.39	< 1.39	1.39	2.98	1.39	< 1.39	1.39	< 1.39	1.39	< 1.39	1.39
o-Xylene	95-47-6		4.4	7.9	11.2	20.1	ug/m3	< 0.65	0.65	< 0.65	0.65	< 0.65	0.65	< 0.65	0.65	< 0.65	0.65	0.85	0.65
Tetrachloroethene	127-18-4	30	5.9	15.9	25.4	55.6	ug/m3	< 0.68	0.68	< 0.68	0.68	< 0.68	0.68	1.33	0.68	< 0.68	0.68	0.91	0.68
Toluene	108-88-3		25.9	43.0	70.8	348.9	ug/m3	0.89	0.75	0.87	0.75	< 0.75	0.75	< 0.75	0.75	< 0.75	0.75	1.55	0.75
Trichloroethene	79-01-6	2	1.2	4.2	6.5	57.0	ug/m3	< 0.20	0.20	< 0.20	0.20	< 0.20	0.20	< 0.20	0.20	< 0.20	0.20	< 0.20	0.20
Trichlorofluoromethane	75-69-4		6.7	18.1	54.0	860.6	ug/m3	6.85	0.84	6.91	0.84	5.6	0.84	7.41	0.84	1.79	0.84	0.84	0.84
Trichlorotrifluoroethane	76-13-1		<3.0	3.5	9.4	19.7	ug/m3	< 1.15	1.15	< 1.15	1.15	< 1.15	1.15	< 1.15	1.15	< 1.15	1.15	< 1.15	1.15
Vinyl Chloride	75-01-4		<1.0	<1.9	<2.2	<2.6	ug/m3	< 0.05	0.05	< 0.05	0.05	< 0.05	0.05	< 0.05	0.05	< 0.05	0.05	< 0.05	0.05

Notes:

Concentrations are provided in micrograms per cubic meter (µg/m³).

Highlighted analytes are included in the NYSDOH Decision Matrices.

Result Detected

APPENDIX A
IAQ TESTING PLAN (WALDEN, JULY 13, 2020)

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

Division of Environmental Remediation, Remedial Bureau D

625 Broadway, 12th Floor, Albany, NY 12233-7013

P: (518) 402-9676 | F: (518) 402-9773

www.dec.ny.gov

July 17, 2020

Joseph Cotter
iPark 84
200 North Drive
Hopewell Junction, NY 12533

Re: Building 338 – Powerhouse Gym Space
Indoor Air Quality Testing Plan
iPark 84, Former IBM East Fishkill Facility
NYSDEC Site No. 314054, EPA ID NYD000707901

Dear Mr. Cotter:

The New York State Department of Environmental Conservation and Department of Health (Departments) have reviewed the Indoor Air Quality (IAQ) Testing Plan for the Powerhouse Gym space located in Building 338. This sampling plan was submitted by Walden Environmental Engineering on behalf of National Resources on July 13, 2020. This sampling is required to be completed and acceptable to the Departments before the Powerhouse Gym tenant can take occupancy and begin operating.

The Departments have no comments and approve the IAQ Testing Plan. Please notify the Departments when work is scheduled. If you have any questions, please call me at (518) 402-9821.

Sincerely,



Jessica LaClair
Project Manager
Remedial Section A, Remedial Bureau D
Division of Environmental Remediation

cc: M. Buckley, iPark
C. Monheit, National Resources
N. Brew, Walden
D. Chartrand, IBM
E. Lutz, GF
G. Marone, GF



Department of
Environmental
Conservation



J. Armitage, NYSDEC
D. Bendell, NYSDEC, Region 3
B. Conlon, NYSDEC
S. Edwards, NYSDEC
J. Kenney, NYSDOH
M. Schuck, NYSDOH



Sent via email to jess.laclair@dec.ny.gov

July 13, 2020
iPARK0118.44

Jessica LaClair
Environmental Engineer
Division of Environmental Remediation
New York State Department of Environmental Conservation
625 Broadway
Albany, NY 12233-7013

Re: iPark 84, Former IBM East Fishkill Facility
Building 730 (Formerly Building 338) – Powerhouse Gym
Indoor Air Quality Testing Plan

Dear Ms. LaClair:

Walden Environmental Engineering, PLLC (Walden) has prepared this letter to summarize the Indoor Air Quality (IAQ) testing proposed to evaluate indoor air quality within Building 730 (Formerly Building 338) at the Former IBM East Fishkill facility (Facility). A fitness center (Powerhouse Gym) with a maximum occupancy of one hundred and seventy-six (176) people plans to lease approximately 16,405 ft² of space in Building 730. It is understood that NYSDEC and NYSDOH require this sampling to be completed and the results reported to the State to verify that IAQ is acceptable in this space before Powerhouse Gym can take occupancy and begin operating in the space.

The results of an investigation conducted at Building 730 in March 2019 indicated the presence of volatile organic compound (VOC) vapors below the slab and the potential for soil vapor intrusion (SVI). The results of this SVI investigation are summarized in the *Building 338 Sub-Slab Vapor Investigation* report (GZA, September 16, 2019). Subsequently, Walden performed a pilot mitigation test in Building 730 in accordance with the *Building 730 (338) Vapor Mitigation System Pilot Testing Plan* (Walden, February 11, 2020) which was approved by NYSDEC. Based upon the results of the pilot test, a Sub Slab Depressurization System (SSDS) for Building 730 was designed by Walden, as summarized in the *Building 730 (338) Vapor Mitigation System Basis of Design* report (Walden, April 15, 2020). NYSDEC provided comments on this report and the revised design report was submitted to the State for approval on July 9, 2020.



iPark is in the process of completing the interior modifications as needed to ready the Powerhouse Gym space for occupancy. These modifications include SWMU removal, relocation of interior walls and construction of a mezzanine area. The space has an open plenum ceiling. Once the interior modifications are completed, Walden, at the request of iPark, shall perform the IAQ testing in accordance with the procedures detailed in the June 15, 2009 *RCRA Facility Investigation (RFI) VOC Source Assessment Work Plan (RFI Work Plan)*, prepared on behalf of IBM) which was previously approved by NYSDEC. Walden will notify NYSDEC and NYSDOH when the IAQ sampling has been scheduled.

The proposed IAQ sampling locations are shown on Figures 1 and 2 (corresponding to the sampling locations on the first and second floors of the gym space) and listed below. The actual sampling locations will be determined in the field. Any significant changes from the locations shown on Figure 1 will be discussed with NYSDEC and NYSDOH to gain the State's concurrence before sample collection begins. The Powerhouse Gym space in Building 730 is served by the existing HVAC system which will be re-energized. Two units (#3A and #3B) serve the space. Additionally, there are recirculation units within the manufacturing space to achieve desired air quality. The HVAC system will be operating during the IAQ sampling.

Sample ID	Representative Square Footage, approximate (ft ²)	Area Use
IA-1	500	First Floor - Entrance hallway
IA-2	480	First Floor - Reception area
IA-3	1,750	First Floor - Trainers turf area
IA-4	5,000	First Floor - Main equipment area
IA-5	1,200	First Floor - Cardio studio
IA-6	1,400	First Floor - Leg studio
IA-7	2,700	Second Floor - Mezzanine Fitness Area
IA-8	1,600	Second Floor – Locker Room Area
IA-9	1,200	Second Floor – Yoga Studio Area

In addition to the samples referenced above, one duplicate sample (IA-Duplicate) will be collected at one of the sample locations which will be determined in the field. One outdoor ambient air sample (AA-01) will be collected at the HVAC unit intake to assess background conditions and identify any background impacts to IAQ. Any chemicals observed as being stored or used within the space will be inventoried during the sampling.

Ms. Jessica LaClair
B730 Powerhouse Gym IAQ Testing Plan
July 13, 2020

- 3 -



All samples will be submitted to Phoenix Labs of Manchester, CT, a NYSDOH ELAP certified laboratory (NYSDOH ELAP #11301) for analysis of VOC analytes via Method TO-15 (full list). A modified Method TO-15 as specified in the June 2009 *RFI Work Plan* will be used to achieve lower reporting limits via selective ion monitoring for TCE, vinyl chloride and carbon tetrachloride. The IAQ data will be evaluated, validated and presented in a summary report that will be submitted to NYSDEC and NYSDOH for review. Upon reviewing the IAQ sampling summary report for the Powerhouse Gym space, NYSDEC and NYSDOH will determine whether the tenant can take occupancy and begin operating.

Data generated during these Building 730 IAQ sampling activities will be shared with IBM. Note that iPark will provide the results of the IAQ sampling to the tenant within 45 days of receiving the validated data.

Given the tenant's desire to take occupancy as soon as possible, we are ready to move forward with the IAQ sampling in the gym space upon authorization from the State. Therefore, we request that NYSDEC and NYSDOH prioritize issuing its authorization to proceed with the IAQ testing. Upon submittal of the IAQ testing summary report, the State's assistance in making its review of the results a priority will be greatly appreciated.

Please call me at (516) 624-7200 if you have any questions or need any additional information.

Very truly yours,
Walden Environmental Engineering, PLLC

Nora M. Brew, P.E.
Senior Project Manager

cc: J. Kenney, NYSDOH
C. Monheit, iPark East Fishkill
M. Buckley, iPark East Fishkill
D. Chartrand, IBM

Z:\ipark0118\ipark0118.44 - B338 - 60 Day And SWMU Work Plan\Preoccupancy IAQ Work Plan\B338 Powerhouse Gym IAQ Testing Plan
Letter 7.13.2020.Docx

FIGURE 1

PROPOSED IAQ SAMPLING LOCATIONS – FIRST FLOOR

X IA-x: Proposed Sampling Location

Outline of Mezzanine Space



FIGURE 2

PROPOSED IAQ SAMPLING LOCATIONS – SECOND FLOOR

APPENDIX B

VAPOR MITIGATION SYSTEM BASIS OF DESIGN (WALDEN, JULY 8, 2020)

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

Division of Environmental Remediation, Remedial Bureau D

625 Broadway, 12th Floor, Albany, NY 12233-7013

P: (518) 402-9676 | F: (518) 402-9773

www.dec.ny.gov

July 17, 2020

Joseph Cotter
iPark 84
200 North Drive
Hopewell Junction, NY 12533

Re: Building 338
Vapor Mitigation System Basis of Design
iPark 84, Former IBM East Fishkill Facility
NYSDEC Site No. 314054, EPA ID NYD000707901

Dear Mr. Cotter:

The New York State Department of Environmental Conservation and Department of Health (Departments) have reviewed the Response to Comments and the revised basis of design for the vapor mitigation system to be installed in Building 338. These documents were submitted by Walden Environmental Engineering on behalf of National Resources on July 8, 2020. The Departments understand that the system will be construction in phases as tenant spaces are constructed. Start-up testing and indoor air quality sampling must be conducted and acceptable to the Departments before any space can be occupied.

The Departments have no additional comments and approve the design for Building 338. Please notify the Departments when work is scheduled. If you have any questions, please call me at (518) 402-9821.

Sincerely,



Jessica LaClair
Project Manager
Remedial Section A, Remedial Bureau D
Division of Environmental Remediation

cc: M. Buckley, iPark
C. Monheit, National Resources
N. Brew, Walden
D. Chartrand, IBM



Department of
Environmental
Conservation



E. Lutz, GF
G. Marone, GF
J. Armitage, NYSDEC
D. Bendell, NYSDEC, Region 3
B. Conlon, NYSDEC
S. Edwards, NYSDEC
J. Kenney, NYSDOH
M. Schuck, NYSDOH

BUILDING 730 (338) VAPOR MITIGATION SYSTEM BASIS OF DESIGN (REVISED)

AT

**IPARK 84
FORMER IBM EAST FISHKILL FACILITY**

JULY 2020

PREPARED FOR:

**JESSICA LACLAIR
NEW YORK STATE DEPT. OF ENVIRONMENTAL CONSERVATION
DEPT. OF ENVIRONMENTAL REMEDIATION
625 BROADWAY
ALBANY, NEW YORK 12233-7013**

WALDEN ENVIRONMENTAL ENGINEERING, PLLC

Industry Leader in Environmental Engineering Consulting

———— PROACTIVE SOLUTIONS SINCE 1995 ————



Sent via email to jess.laclair@dec.ny.gov and julia.kenney@health.ny.gov

July 8, 2020
iPark0118.47

Ms. Jessica LaClair
Environmental Engineer
Division of Environmental Remediation
New York State Department of Environmental Conservation
625 Broadway
Albany, NY 12233-7013

Re: iPark 84
Former IBM East Fishkill Facility
Building 730 (338) Vapor Mitigation
System Basis of Design

Dear Ms. LaClair:

This submittal has been prepared by Walden Environmental Engineering, PLLC (“Walden”) on behalf of iPark East Fishkill LLC (iPark) to present the basis of design for the vapor mitigation system to be installed at Building 730 (formerly Building 338), located at 2070 State Route 52 in Hopewell Junction, New York, herein after referred to as the “Site”. The Site location map is presented as Figure 1. The results of an investigation conducted at Building 730 (338) in March 2019 indicated the presence of volatile organic compound (VOC) vapors below the slab and the potential for soil vapor intrusion (SVI). The results of this SVI investigation are presented in *Building 338 Sub-Slab Vapor Investigation* (GZA, September 16, 2019), which is included as an attachment in Appendix A. Therefore, a mitigation system will be installed as a preventive measure to ensure protection against soil vapor intrusion at Building 730 (338).

Site Description and Well Point Construction

iPark plans to fit-up Building 730 (338) for future occupancy by a gym, a bakery manufacturing operation, and other tenant uses to be determined. Each tenant space will be modified to suit the individual tenant needs.

A pilot mitigation test was conducted in accordance with the *Building 730 (338) Vapor Mitigation System Pilot Testing Plan* (Walden, February 11, 2020) which was verbally approved



by NYSDEC on February 12th. A copy of the Work Plan is included in Appendix A. The pilot test results establish the basis of the proposed full-scale mitigation system design.

Four (4) vacuum extraction well points were installed for the pilot test at the approximate locations shown on Figure 2 of this design plan. Twenty-four (24) vacuum pressure monitoring points were also installed, at distances of 5 ft, 10 ft, 20 ft, 30 ft, 40 ft and 50 ft from each well point. A utility mark-out was performed to clear these locations before drilling through the slab.

- The pilot test well points (PTP-1, PTP-2, PTP-3 and PTP-4) were constructed of 2-inch slotted PVC pipe connected to a solid PVC riser extending approximately one (1) foot below the bottom of the existing slab at each location. The bottom of the screened interval was capped with solid PVC. The pilot test well points were set in coarse sand and sealed with bentonite and cement.
- The pilot test microwell monitoring points consist of six-inch long stainless-steel mesh screens set in coarse sand and connected to ¼-inch inert polyethylene tubing.

The construction details for the pilot test well points and monitoring points are provided on Figure 3 of the Work Plan. When drilling to install the pilot test points, the concrete floor slab in certain areas of Building 730 (338) (refer to the areas noted on Figure 2) were determined to be more than 30 inches thick. Therefore, no extraction points or monitoring points were installed in these areas. The floor slab thickness in the other parts of the building ranged from approximately 6 to 12 inches.

Pilot Test

Once the test well points and monitoring points were installed, a pilot test was performed on February 19, 2020 to determine the area of influence each well is capable of producing. The pilot test results help to establish the basis for the full-scale mitigation system design to ensure that the installed system will depressurize the building slab. The pilot testing was performed in accordance with the New York State Department of Health *Final Guidance for Evaluating Soil Vapor Intrusion in the State of New York* (October 2006), and the United States Environmental Protection Agency Office of Solid Waste and Emergency Response *Technical Guide for Assessing and Mitigating the Vapor Intrusion Pathway from Subsurface Vapor Sources to Indoor Air* (June 2015). These documents do not contain a specific value to define effective sub-slab depressurization. However, based on available industry guidance, achieving a pressure differential of -0.004 inches of water column (WC) across a slab is generally considered sufficient to prevent soil vapor intrusion. Therefore, the objective of the mitigation system design is to achieve and maintain a minimum differential pressure of -0.004 inches of WC across the



slab of Building 730 (338), regardless of weather conditions, barometric pressure, or HVAC operations.

Photographs taken during the pilot test are presented in Appendix B. Background pressure readings of the subsurface were taken prior to testing and are included in the pilot test data tables presented in Appendix C. During the course of the test, a regenerative blower (1 horsepower capable of delivering 40" of WC vacuum) was connected to the four pilot test points. The blower was set to varying vacuum settings and flow rates. Maximum vacuum and flow at each point depended on the integrity/seal of the floor slab in the vicinity of the point. All vacuum measurements were recorded using an Infiltec DM1 Micro-Manometer.

The raised slab area (as noted on Figure 2) was too thick to drill through even using an extension bit, therefore PTP-1 and PTP-2 were relocated outside the limits of the raised area. The floor near PTP-2 had many cracks and an open drain that limited how much vacuum and flow could be applied to the point. **No water was present in the drain; all floor drains in building 730 (338) go to the industrial waste pump room.** Based on the condition of the floor slab, mitigation efforts will include sealing cracks and penetrations in the floor to eliminate vapor intrusion pathways and provide a good seal to promote the propagation of the vacuum beneath the slab.

The vacuum readings collected during the pilot test are included in the tables in Appendix C. The data from each pilot test point was plotted under an applied vacuum ranging from 5 to 40 inches of WC with accompanying trendlines; these plots are also included in Appendix C. Based upon the results, each pilot test point produced an approximate radius of influence of 30 feet at an applied vacuum of only 15 inches of WC.

Soil Vapor Mitigation System Design

Based on the pilot test results, Walden will perform a phased installation that will follow these steps:

- Sealing cracks, seams and penetrations in the floor slab to eliminate vapor intrusion pathways, increase propagation of the sub-slab vacuum and maximize the area of influence produced by each leg of the mitigation system. A floor sealer or polyurethane caulk may be used to seal visible cracks. iPark will consult with the Building 730 (338) tenants to determine other floor sealing methods.
- **Building (730) 338 shall be divided into quadrants (approximate based on tenant spaces and buildout schedules). One test point will be installed and tested after floor sealing efforts have been completed within each quadrant in step with interior modifications within individual tenant spaces. The communication test results will be**

used to determine the radius of influence for the remainder of the extraction points in the entire quadrant.

- o **Three (3) field determined temporary points will be located and used to collect communication data for the points. These points will range distances from 30 feet to 50 feet away from the test point. Results and figures documenting the field installation performance will be included in the as-builts.**
- **Points within each quadrant will be installed according to the results of the on-site communication testing.**
- At least 10 monitoring points from currently installed locations to remain.
- Each well point will be equipped with a RadonAway HS5000 fan capable of producing approximately 40” of WC and a RadonAway Checkpoint IIAR Mitigation System Monitor Remote Alarm P#28001-4 (refer to the cut sheets provided in Appendix D).
- Pressure gauges and system controls to manage each well point.

The radon fans, alarms and system gauges/controls will be mounted on the existing building columns and enclosures will be installed to protect and restrict access to the system components. All of the vacuum extraction points and monitoring points will be located outside the raised floor slab area, as it is not feasible to install these points through the 30+-inch thick slab in this area. Given the extent of the raised floor area, the vacuum extraction wells may not create a continuous vacuum beneath the entire raised area. However, considering the thickness of the raised slab and the elimination of all cracks, seams and penetrations in the slab, there will be no pathway for soil vapor intrusion through the slab.

Based on the 30-foot radius of influence observed during the pilot testing, approximately 25 vacuum extraction well points would be needed to depressurize the slab. However, once the floor is sealed and the full-scale system is in operation, the radius of influence at each point is expected to be at least 40 feet; the proposed design layout shown on Drawing 2 is based on a 40-foot radius of influence. **As described above**, Walden proposes to test the radius of influence after the floor is sealed **as individual tenant spaces are constructed** to determine the actual radius **per quadrant**. The number of vacuum extraction points and locations will be adjusted accordingly based on actual field conditions and the tenant space layouts. **This approach will be followed as each section of the mitigation system is installed and brought online as construction is completed and new tenants occupy the building.** As-built drawings for the full-scale system installation will be submitted to NYSDEC/NYSDOH after construction is completed **for each section**. In addition, start-up testing results documenting the system effectiveness will be submitted to NYSDEC/NYSDOH.



Operation and Maintenance

All mechanical aspects of the mitigation system will be visually inspected on a routine basis, and repaired as needed, to ensure proper function. Following the initial startup of the system and stabilization of vacuum readings, routine inspections, monitoring, and maintenance will be conducted on a periodic basis.

The vacuum at the monitoring points will be measured at the time of startup to confirm that the mitigation system effectively depressurizes the slab beneath Building 730 (338). All system PID screening and gauge readings will be collected for subsequent reporting. The frequency of the monitoring shall be evaluated at start-up and/or as directed by NYSDEC/NYSDOH.

Given the tenants' desire to take occupancy as soon as possible, iPark is ready to move forward with the installation of the system described herein upon authorization from the State. Therefore, we respectfully request that NYSDEC and NYSDOH prioritize issuing its authorization to proceed with the finalization of the system described within this report.

Please call me at (516) 624-7200 if you have any questions or need any additional information.

Very truly yours,
Walden Environmental Engineering, PLLC

Nora M. Brew, P.E.
Senior Project Manager

cc: J. Kenney, NYSDOH
M. Buckley, iPark
C. Monheit, iPark
D. Chartrand, IBM

Enclosures

- Figure 1 – Site Location Map
- Figure 2 – Pilot Test Well Point and Monitoring Point Locations
- Figure 3 – Well Point and Monitoring Point Details
- Appendix A – *Building 730 (338) Vapor Mitigation System Pilot Testing Plan* (Walden, February 11, 2020)
- Appendix B – Building 338 Pilot Test Photo Log (February 19, 2020)
- Appendix C – Pilot Test Results Table and Plots (February 19, 2020)
- Appendix D – RadonAway HS5000 Cut Sheet and Alarm



SITE PLAN
NOT TO SCALE

REVISION		COMMENTS
No.	DATE	

FOR: BUILDING 730 (FORMER 338)
iPark 84 Campus
2070 State Route 52
Hopewell Junction, NY 12533

DESIGNED BY: NMB
APPROVED BY: JMH

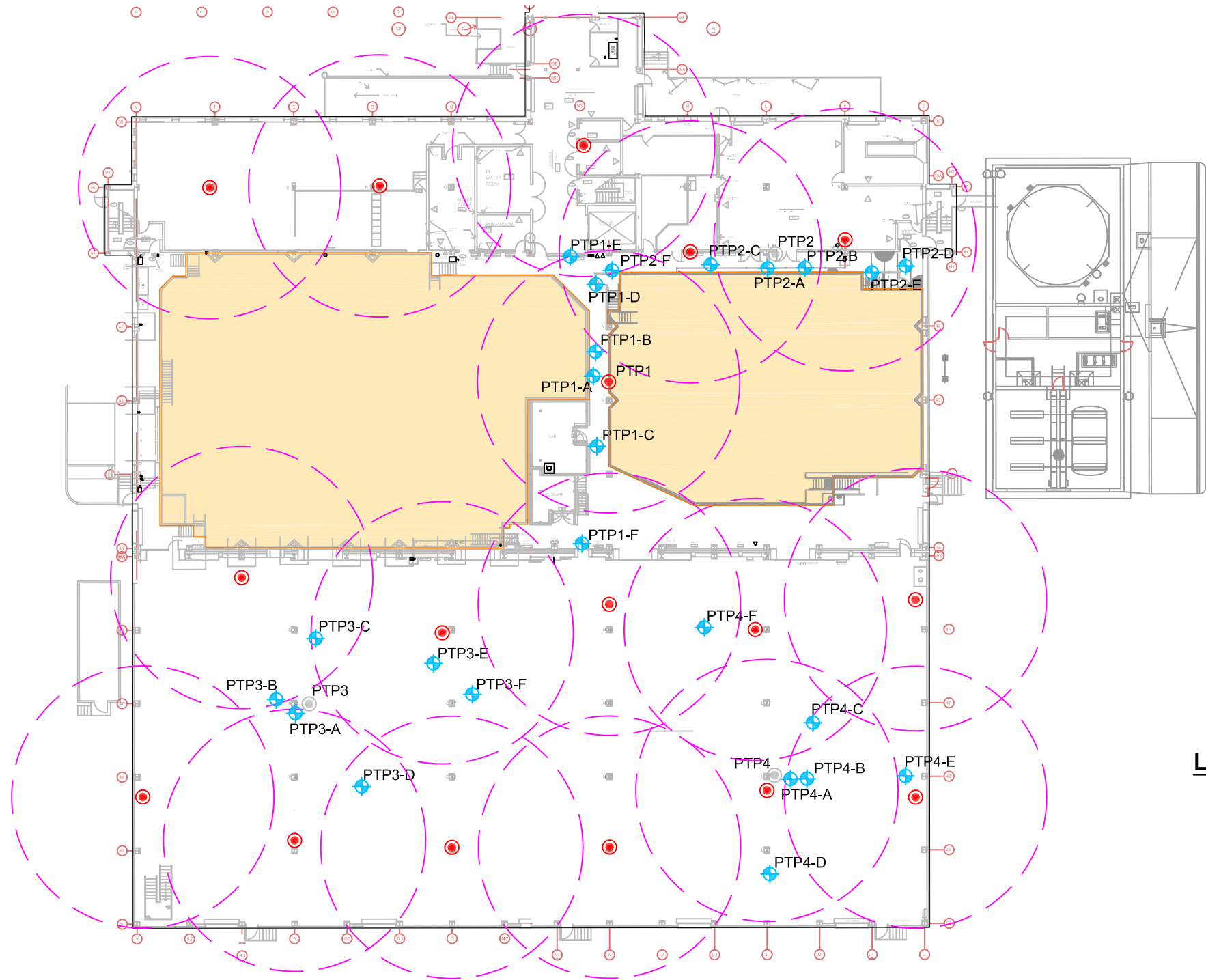
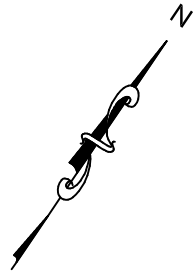
DRAWN BY: EJK
SCALE: AS NOTED

DRAWING TITLE:
SITE PLAN
BUILDING 338-VAPOR MITIGATION
SYSTEM

JOB NO: IPARK118.47
DATE: 4/13/20
CAD FILE NAME: Z:\IPARK\0118\IPark0118.47 - 5338 SDDs Testing and Design\ACAD\IPark Building Building 730 338_SDDs_JMS.dwg

FIGURE NO:
1
REVISION NO:
0

11x17 SHEET NO: 1 OF 2



LEGEND

- CURRENTLY INSTALLED MONITORING POINTS
- PROPOSED EXTRACTION WELL POINTS
- 40 FOOT RADIUS OF INFLUENCE
- PILOT TEST WELL POINTS
- RAISED SLAB AREA

**BLDG 730 (FORMERLY 338)
PROPOSED WELL POINT LOCATIONS
SCALE=1"=40'**



WALDEN ENVIRONMENTAL ENGINEERING, PLLC
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REVISION		
No.	DATE	COMMENTS

FOR: BUILDING 730 (FORMER 338)
iPark 84 Campus
2070 State Route 52
Hopewell Junction, NY 12533

DESIGNED BY: NMB
APPROVED BY: JMH

DRAWN BY: JMS
SCALE: AS NOTED

DRAWING TITLE:
**PROPOSED WELL POINT
LOCATIONS
BUILDING 338-**

JOB NO: IPARK118.47
DATE: 4/16/2020
11x17
SHEET NO: 2 OF 2

FIGURE NO:

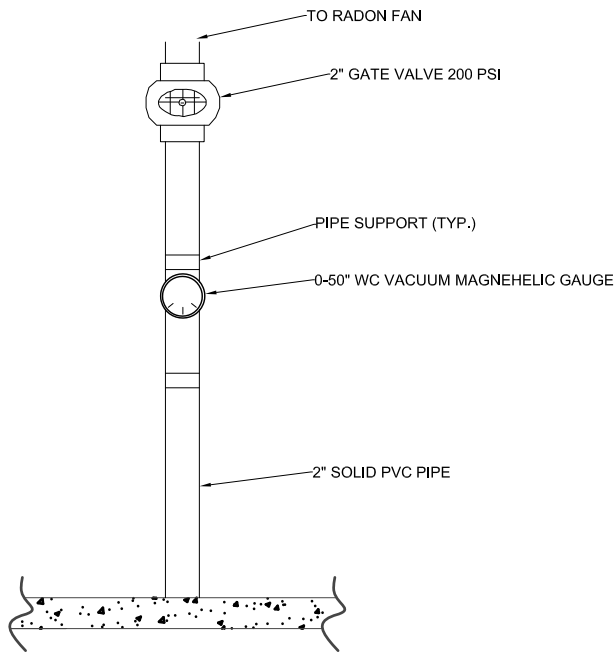
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ISSUED

REVISION NO:

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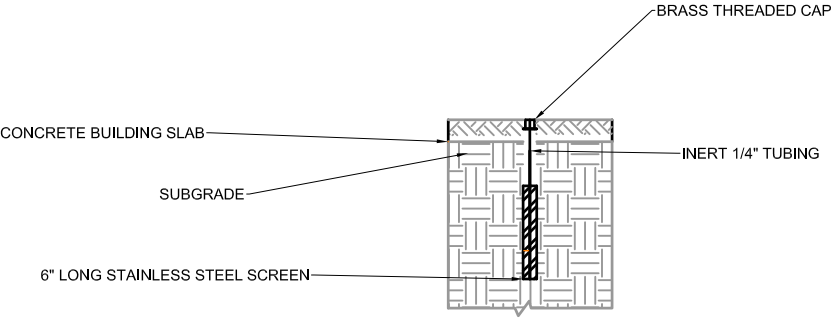
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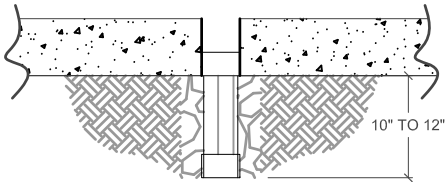
PIPING CONFIGURATION DETAIL
NOT TO SCALE

TYPICAL EXTRACTION POINT DETAIL NOTES:

- 1. MAGNEHELIC GAUGE SHALL BE DWYER INSTRUMENTS MODEL #2050 OR APPROVED EQUAL, AND SHALL INCLUDE A-610 PIPE MOUNT KIT OR APPROVED EQUAL.
- 2. THREADED JOINTS SHALL BE MADE WITH TEFLON THREAD SEALANT TAPE TO BE VACUUM AND/OR PRESSURE TIGHT. THREAD SEALANT LIQUIDS OR PASTES SHALL NOT BE USED.
- 3. INSTALL SUITABLE HANGERS/SUPPORTS WITHIN 2 FEET OF EACH SIDE OF A PIPE JOINT. HANGERS AND/OR SUPPORTS SHOULD BE INSTALLED EVERY 10 FEET OF STRAIGHT PIPE.

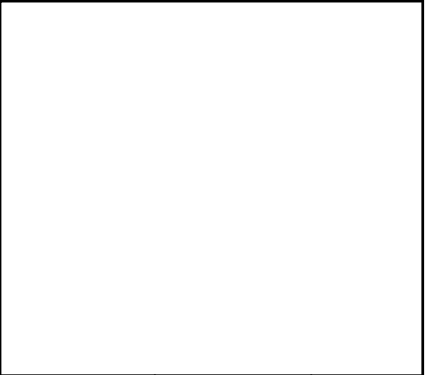


TYPICAL MONITORING POINT DETAIL
NOT TO SCALE



TYPICAL EXTRACTION POINT DETAIL
NOT TO SCALE

- 1. ACTUAL PIPE RUNS TO BE DETERMINED IN FIELD



APPENDIX A

BUILDING 730 (338) VAPOR MITIGATION SYSTEM PILOT TESTING PLAN
(Walden, February 11, 2020)

(COPY AVAILABLE UPON REQUEST)

APPENDIX B

BUILDING 338 PILOT TEST PHOTO LOG (February 19, 2020)

**Building 338 Vapor Mitigation Pilot Test Photographs
February 2020**

Photograph #1



Drilling for monitoring microwell installation.

Photograph #2



Microwell screen and tubing for monitoring point.

Photograph #3



Monitoring point brass fitting assembly.

Photograph #4



Thickness of cored slab in southern end of building.

APPENDIX C

PILOT TEST RESULTS TABLE AND PLOTS (February 19, 2020)

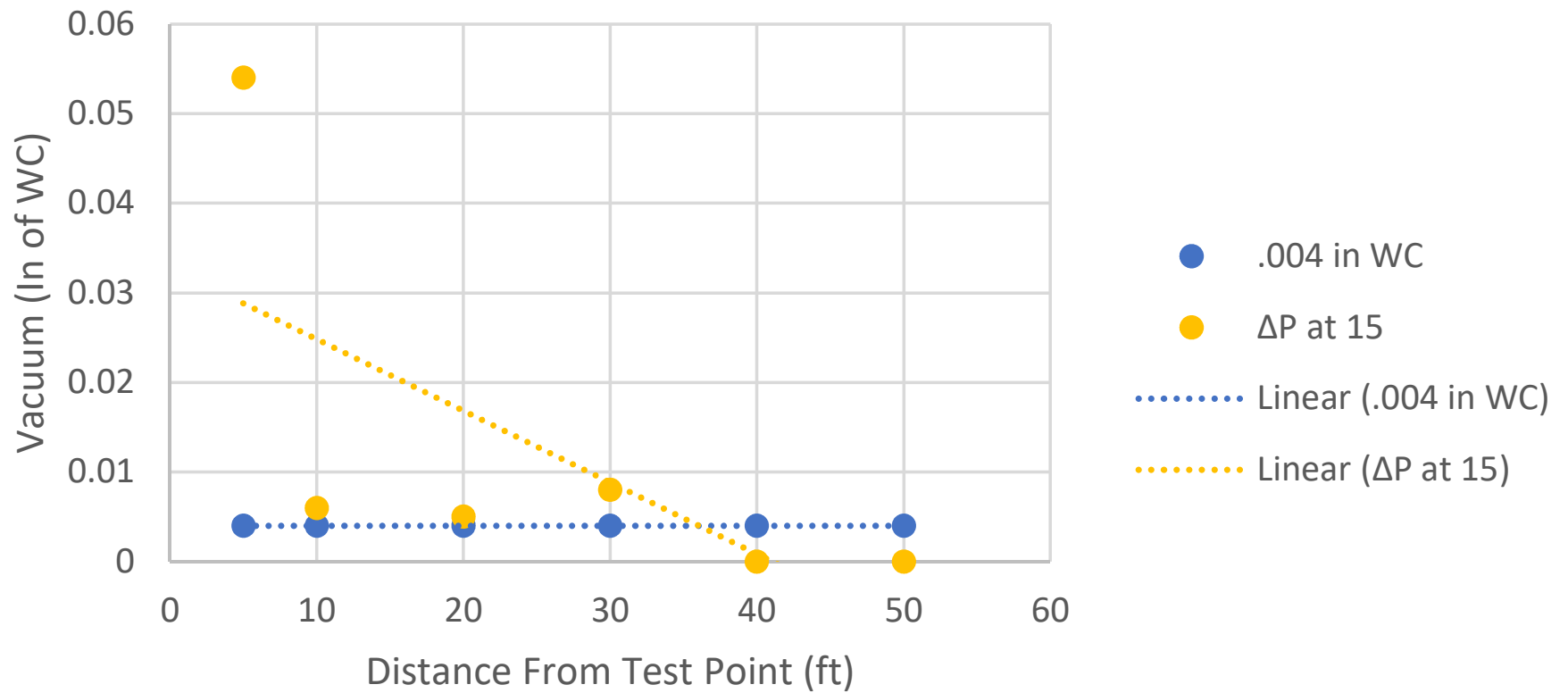
Pilot Test Findings

Pilot Test Point 1														
		Baseline	5 in WC	ΔP at 5	10 in WC	ΔP at 10	15 in WC	ΔP at 15	20 in WC	ΔP at 20	30 in WC	ΔP at 30	40 in WC	ΔP at 40
Flow (cfm)			8	8	17	17	24	24	32	32	57	57	70	70
Test Point	Distance from Extraction Point (ft)													
A	5	0.000	-0.012	0.012	-0.035	0.035	-0.054	0.054	-0.084	0.084	-0.129	0.129	-0.177	0.177
B	10	0.000	-0.001	0.001	-0.002	0.002	-0.006	0.006	-0.006	0.006	-0.010	0.010	-0.014	0.014
C	20	0.000	0.000	0.000	-0.002	0.002	-0.005	0.005	-0.005	0.005	-0.008	0.008	-0.010	0.010
D	30	0.000	0.000	0.000	-0.002	0.002	-0.008	0.008	-0.008	0.008	-0.013	0.013	-0.016	0.016
E	40	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.003	-0.003	0.000	0.000
F	50	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	-0.002	0.002	-0.004	0.004

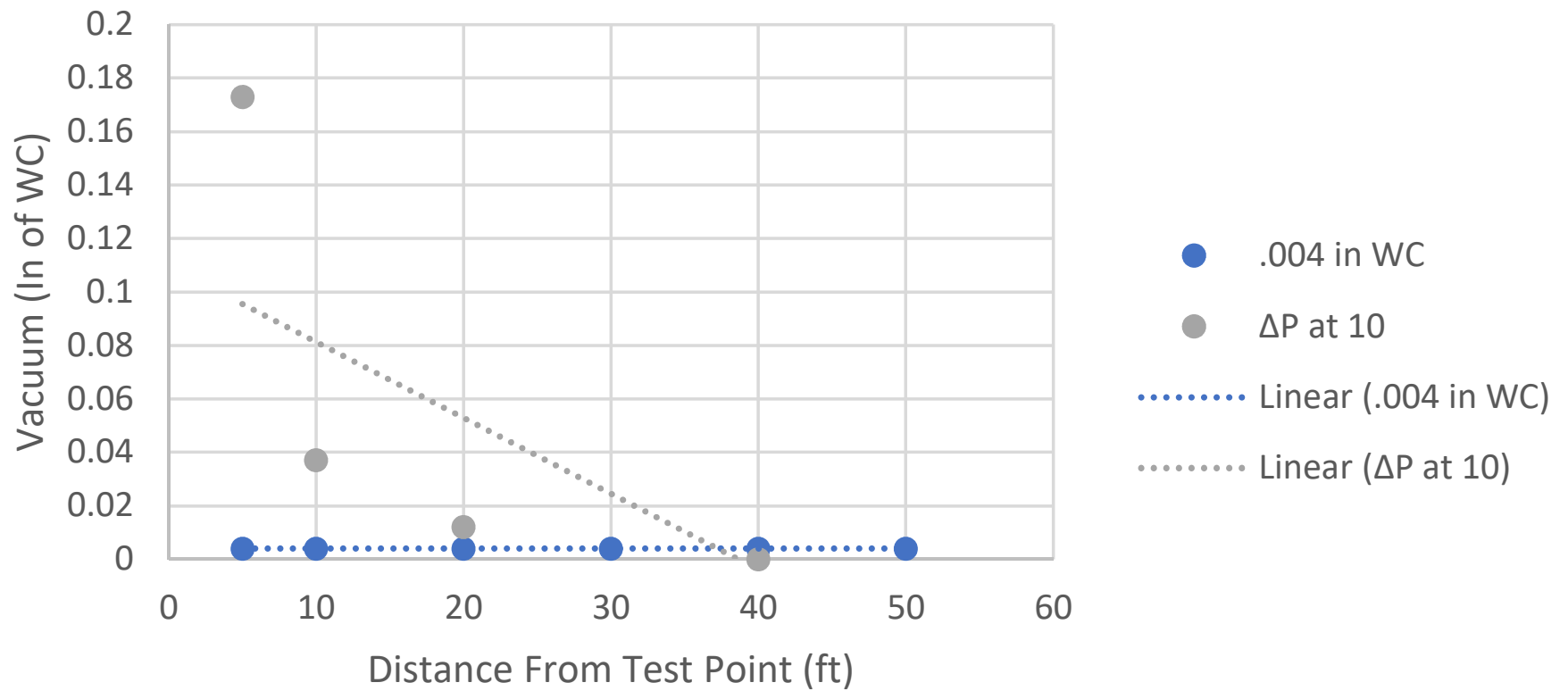
Pilot Test Point 2						
		Baseline	5 in WC	ΔP at 5	10 in WC	ΔP at 10
Flow (cfm)			32	32	54	54
Test Point	Distance from Extraction Point (ft)					
A	5	0.000	-0.102	0.102	-0.173	0.173
B	10	0.001	-0.020	0.021	-0.036	0.037
C	20	0.000	-0.008	0.008	-0.012	0.012
D	30	0.001	0.000	0.001	0.003	-0.002
E	40	0.000	0.001	-0.001	0.000	0.000
F	50	0.000	0.006	-0.006	0.002	-0.002

[illegible][illegible]

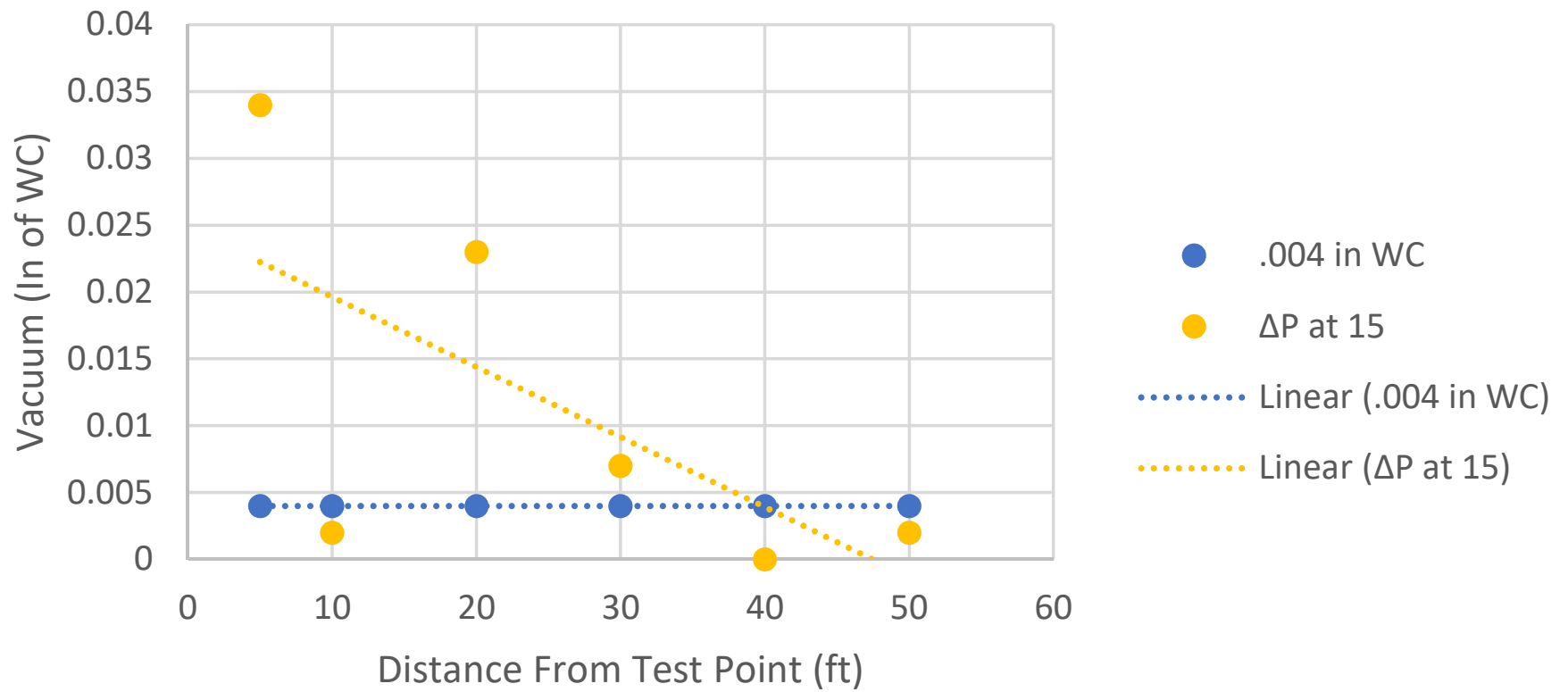
PTP 1 @ 15 in WC



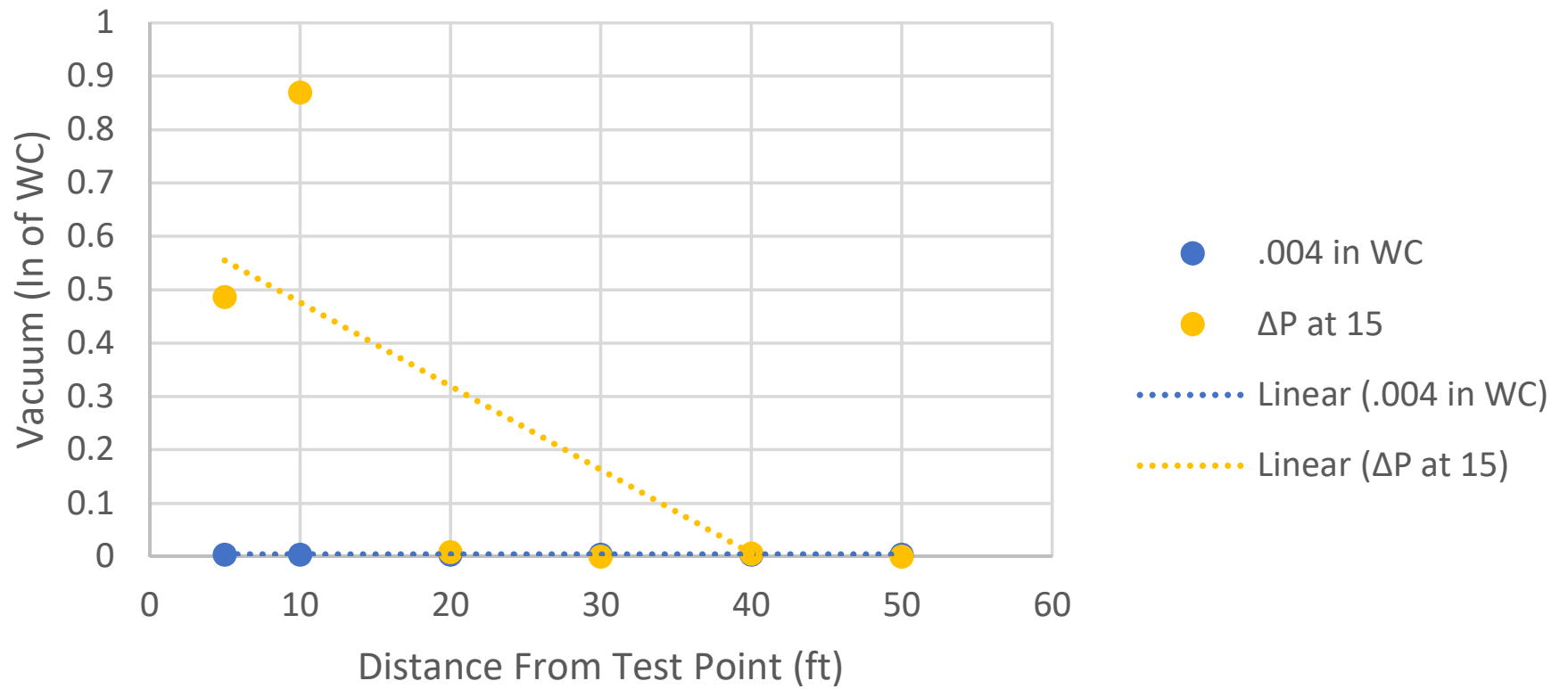
PTP 2 @ 10 in WC



PTP 3 @ 15 in WC



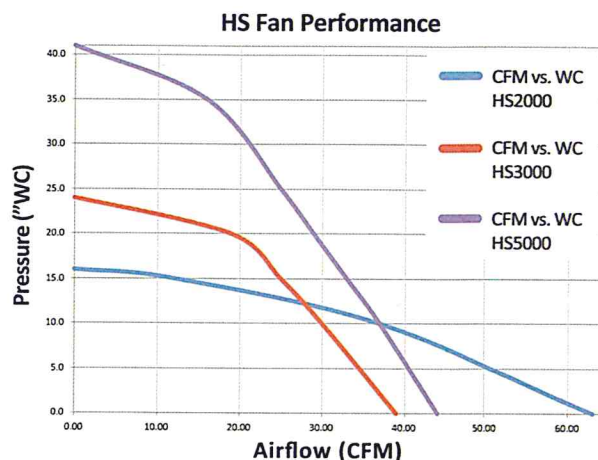
PTP 4 @ 15 in WC



APPENDIX D

RADONAWAY HS5000 CUT SHEET AND ALARM

HS FANS



SPECIFICATIONS

MODEL	WATTS	SOUND RATING MID (dBA)	RECOM. MAX. OP. PRESSURE \"WC	TYPICAL CFM vs. STATIC PRESSURE WC					
				0"	10"	15"	20"	25"	35"
HS2000 w/ Cord	153-314	56.2	14	62	40	23	-	-	-
HS3000 w/ Cord	120-250	48.0	21	39	30	25	19	-	-
HS5000 w/ Cord	349-381	55.3	35	43	35	32	28	24	18
HS2000E w/ Switch Box	153-314	56.2	14	62	40	23	-	-	-
HS3000E w/ Switch Box	120-250	48.0	21	39	30	25	19	-	-
HS5000E w/ Switch Box	349-381	55.3	35	43	35	32	28	24	18



Made in the USA with U.S. and imported parts.



RadonAway® inline radon fans are covered by our 1-year, hassle-free warranty.

See p. 22 for fan dimensions.

PRICING

ITEM	P/N	UNIT PRICE	
		1-4	5+
HS2000 w/ Cord	23004-1		
HS3000 w/ Cord	23004-2		
HS5000 w/ Cord	23004-3		
HS2000E w/ Switch Box	23004-4		
HS3000E w/ Switch Box	23004-5		
HS5000E w/ Switch Box	23004-6		
3-YR Warranty	HS3YR		

Quantity discounts determined by number of RadonAway® fans (any model) per order.



Flex Coupling
79010



Magnehelic Gauge
50001-2



Muffler
24002



Minihelic Gauge
50027

FEATURES

- Internal condensate bypass
- Brackets for vertical mounting indoors and outdoors
- Inlet: 3.0" PVC / Outlet: 2.0" PVC
- Weight: 18 lbs.

ITEM	P/N	UNIT PRICE
2" Schedule 40 Vent Muffler	24002	
Magnehelic Manometer 0-50" WC	50001-2	
Minihelic Manometer 0-40" WC	50027	
2 x 2 Flex Coupling (black) ¹	79020	
2 x 3 Flex Coupling (black) ¹	79027	
3 x 3 Flex Coupling (black) ¹	79010	

¹Coupling sizes are for selection only, actual sizes may vary fractionally. See Flexible Coupling Sizing Chart on p. 24. Also available in white.

SYSTEM ALARMS



Checkpoint IIA
28001-2



Checkpoint IIAR (remote)
28001-4



Pressure Switch
73023

PRICING & DESCRIPTIONS

ITEM	P/N	DESCRIPTION	PRICE
Checkpoint IIA Mitigation System Monitor/Alarm	28001-2	Audible alarm; green and red LED lights; factory preset to activate at .25"WC vacuum pressure; low voltage.	
Checkpoint IIAR Mitigation System Monitor with Remote Alarm	28001-4	Provides all the features of the Checkpoint II plus can be wired to a remote location where the homeowner is more likely to hear an alarm (50' of wire included).	
Pressure Switch	73023	Suitable to activate light or alarm for monitoring fan operation; activates at .25"WC; UL/CSA recognized (wire and probe not included).	

Need a more sensitive alarm? 0.10 alarm available. Call for details.

RADONAWAY® RSA-1 ALARM



RadonAway's new vacuum monitoring alarm utilizes piezoresistive pressure sensor (PPS) technology and provides audible and visual indications when the radon system is not moving sufficient air to be effective. It is designed for use on 2", 3", 4" or 6" pipe, or flat surfaces. Some of the RSA-1's additional features are:

- Easy installation
- Battery operated
- Alarm and Service Delay functions
- Hush & Test buttons

RADON GAS DETECTOR



PRICING & DESCRIPTION

ITEM*	P/N	DESCRIPTION	PRICE
Pro Series 3 Radon Gas Detector	28221	Numeric LED indicator, .1-999.9 pCi/L; displays updates hourly; daily self-test of electronics and sensor.	

*Not approved for radon testing.



INSTALLATION & OPERATING INSTRUCTIONS
Instruction P/N IN015 Rev E
FOR CHECKPOINT IIa™ P/N 28001-2 & 28001-3
RADON SYSTEM ALARM

INSTALLATION INSTRUCTIONS
(WALL MOUNTING)

Select a suitable wall location near a vertical section of the suction pipe. The unit should be mounted about four or five feet above the floor and as close to the suction pipe as possible. Keep in mind that with the plug-in transformer provided, the unit must also be within six feet of a 120V receptacle. **NOTE: The Checkpoint IIa is calibrated for vertical mounting, horizontal mounting will affect switchpoint calibration.**

Drill two ¼" holes 4" apart horizontally where the unit is to be mounted.

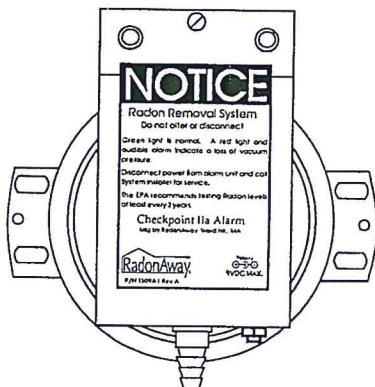
Install the two ¼" wall anchors provided.

Hang the CHECKPOINT IIa from the two mounting holes located on the mounting bracket. Tighten the mounting screws so the unit fits snugly and securely against the wall.

Drill a 5/16" hole into the side of the vent pipe about 6" higher than the top of the unit.

Insert the vinyl tubing provided about 1" inside the suction pipe.

Cut a suitable length of vinyl tubing and attach it to the pressure switch connector on the CHECKPOINT IIa.



CALIBRATION AND OPERATION.

The CHECKPOINT IIa units are calibrated and sealed at the factory to alarm when the vacuum pressure falls below the factory setting and should not normally require field calibration. Factory Settings are:

28001-2 -.25" WC Vacuum

28001-3 -.10" WC Vacuum

To Verify Operation:

With the exhaust fan off or the pressure tubing disconnected and the CHECKPOINT IIa plugged in, both the red indicator light and the audible alarm should be on.

Turn the fan system on or connect the pressure tubing to the fan piping. The red light and the audible alarm should go off. The green light should come on.

Now turn the fan off. The red light and audible alarm should come on in about two or three seconds and the green light should go out.

WARRANTY INFORMATION

Subject to applicable consumer protection legislation, RadonAway warrants that the CHECKPOINT IIa will be free from defective material and workmanship for a period of (1) year from the date of purchase. Warranty is contingent on installation in accordance with the instructions provided. This warranty does not apply where repairs or alterations have been made or attempted by others; or the unit has been abused or misused. Warranty does not include damage in shipment unless the damage is due to the negligence of RadonAway. All other warranties, expressed or written, are not valid. To make a claim under these limited warranties, you must return the defective item to RadonAway with a copy of the purchase receipt. RadonAway is not responsible for installation or removal cost associated with this warranty. In no case is RadonAway liable beyond the repair or replacement of the defective product FOB RadonAway.

THERE ARE NO WARRANTIES WHICH EXTEND BEYOND THE DESCRIPTION ON THE FACE HEREOF. THERE IS NO WARRANTY OF MERCHANTABILITY. ALL OTHER WARRANTIES, EXPRESSED OR WRITTEN, ARE NOT VALID.

For service under these warranties, contact RadonAway for a Return Material Authorization (RMA) number and shipping information. **No returns can be accepted without an RMA.** If factory return is required, the customer assumes all shipping costs to and from factory.

Manufactured by:
RadonAway
Ward Hill, MA
(978)-521-3703

HS Series



Radon Mitigation Fan

HS fans offer a proven solution for tough radon mitigation jobs, providing up to 25 times the suction of inline tube fans to deal with sand, tight soil or clay sub-slab material.

Features

- Internal condensate bypass
- Brackets for vertical mounting indoors and outdoors
- Inlet: 3.0" PVC / Outlet: 2.0" PVC
- Weight: 18 lbs.
- Size: 15.5"W x 13.3"H x 8.2"D
- Warranty: 1 year (3-year option available)

MODEL	WATTS	SOUND RATING (dBA)			RECOM. MAX. OP. PRESSURE "WC	TYPICAL CFM* vs. STATIC PRESSURE WC					
		OPEN	1/2	CLOSED		0"	10"	15"	20"	25"	35"
HS2000 with cord	174-307	56.5	56.2	51.9	14	63	37	12	-	-	-
HS3000 with cord	120-250	47.9	48.0	46.2	21	39	30	25	19	-	-
HS5000 with cord	223-385	56.0	55.3	53.1	35	44	37	33	29	25	16
HS2000E with switch box	174-307	56.5	56.2	51.9	14	63	37	12	-	-	-
HS3000E with switch box	120-250	47.9	48.0	46.2	21	39	30	25	19	-	-
HS5000E with switch box	223-385	56.0	55.3	53.1	35	44	37	33	29	25	16



* Made in the USA with U.S. and imported parts.

* CFM measured through suction.

For Further Information, Contact Your Radon Professional:

APPENDIX C
INDOOR AIR QUALITY QUESTIONNAIRE AND BUILDING INVENTORY

**NEW YORK STATE DEPARTMENT OF HEALTH
INDOOR AIR QUALITY QUESTIONNAIRE AND BUILDING INVENTORY
CENTER FOR ENVIRONMENTAL HEALTH**

This form must be completed for each residence involved in indoor air testing.

Preparer's Name Herri Ann Wright Date/Time Prepared 8/11/20 10:45

Preparer's Affiliation Environmental Consultant Phone No. 516 624 7200

Purpose of Investigation Indoor air quality survey

1. OCCUPANT:

Interviewed: ☒ Y / ☐ N

Last Name: Mignone First Name: John

Address: 200 North Drive Hopewell Junction, NY 12533

County: Dutchess

Home Phone: 914 447 2438 Office Phone: _____

Number of Occupants/persons at this location _____ Age of Occupants _____

2. OWNER OR LANDLORD: (Check if same as occupant ☐)

Interviewed: ☒ Y / ☐ N

Last Name: _____ First Name: _____

Address: _____

County: _____

Home Phone: _____ Office Phone: _____

3. BUILDING CHARACTERISTICS

Type of Building: (Circle appropriate response)

Residential
Industrial

School
Church

Commercial/Multi-use
Other: _____

If the property is residential, type? (Circle appropriate response)

Ranch	2-Family	3-Family
Raised Ranch	Split Level	Colonial
Cape Cod	Contemporary	Mobile Home
Duplex	Apartment House	Townhouses/Condos
Modular	Log Home	Other: <u>NO</u>

If multiple units, how many? N/A

If the property is commercial, type?

Business Type(s) Gym

Does it include residences (i.e., multi-use)? Y ☒ N ☐ If yes, how many? N/A

Other characteristics:

Number of floors 2 with mezzanine Building age approx. 1980s

Is the building insulated? Y ☒ N ☐ How air tight? Tight / ☒ Average ☐ Not Tight

4. AIRFLOW

Use air current tubes or tracer smoke to evaluate airflow patterns and qualitatively describe:

Airflow between floors

N/A

Airflow near source

N/A

Outdoor air infiltration

Open doors, moderate

Infiltration into air ducts

moderate

5. BASEMENT AND CONSTRUCTION CHARACTERISTICS (Circle all that apply)

- a. Above grade construction: wood frame concrete stone brick
- b. Basement type: N/A full crawlspace slab other _____
- c. Basement floor: N/A concrete dirt stone other _____
- d. Basement floor: N/A uncovered covered covered with _____
- e. Concrete floor: unsealed sealed sealed with _____
- f. Foundation walls: N/A poured block stone other _____
- g. Foundation walls: N/A unsealed sealed sealed with _____
- h. The basement is: N/A wet damp dry moldy
- i. The basement is: N/A finished unfinished partially finished
- j. Sump present? Y (N)
- k. Water in sump? Y (N) not applicable

Basement/Lowest level depth below grade: N/A (feet) lowest level is on grade

Identify potential soil vapor entry points and approximate size (e.g., cracks, utility ports, drains)

floor drains

6. HEATING, VENTING and AIR CONDITIONING (Circle all that apply)

Type of heating system(s) used in this building: (circle all that apply – note primary)

Hot air circulation
Space Heaters
Electric baseboard

Heat pump
Stream radiation
Wood stove

Hot water baseboard
Radiant floor
Outdoor wood boiler Other _____

The primary type of fuel used is:

Natural Gas
Electric
Wood

Fuel Oil
Propane
Coal

Kerosene
Solar

Domestic hot water tank fueled by: natural gas

Boiler/furnace located in: Basement Outdoors Main Floor Other top floor

Air conditioning: Central Air Window units Open Windows None

Are there air distribution ducts present? ☒ Y / N

Describe the supply and cold air return ductwork, and its condition where visible, including whether there is a cold air return and the tightness of duct joints. Indicate the locations on the floor plan diagram.

Recently updated HVAC

7. OCCUPANCY

Is basement/lowest level occupied? ☒ Full-time ☐ Occasionally ☐ Seldom ☐ Almost Never

Level General Use of Each Floor (e.g., familyroom, bedroom, laundry, workshop, storage)

Basement N/A

1st Floor Reception area, weight room, cardio

2nd Floor Locker rooms, fitness rooms, cardio

3rd Floor N/A

4th Floor N/A

8. FACTORS THAT MAY INFLUENCE INDOOR AIR QUALITY

a. Is there an attached garage?

Y ☒ N

b. Does the garage have a separate heating unit?

Y / N / ☒ NA

c. Are petroleum-powered machines or vehicles stored in the garage (e.g., lawnmower, atv, car)

Y / N / ☒ NA

Please specify _____

d. Has the building ever had a fire?

Y / ☒ N

When? _____

e. Is a kerosene or unvented gas space heater present?

Y ☒ N

Where? _____

f. Is there a workshop or hobby/craft area?

Y / ☒ N

Where & Type? _____

g. Is there smoking in the building?

Y ☒ N

How frequently? _____

h. Have cleaning products been used recently?

☒ Y / N

When & Type? disinfectants

i. Have cosmetic products been used recently?

Y ☒ N

When & Type? _____

j. Has painting/staining been done in the last 6 months? ☒ Y / ☐ N Where & When? all walls

k. Is there new carpet, drapes or other textiles? ☒ Y / ☐ N Where & When? turf area

l. Have air fresheners been used recently? Y / ☒ N When & Type? _____

m. Is there a kitchen exhaust fan? Y / ☒ N If yes, where vented? _____

n. Is there a bathroom exhaust fan? Y / ☒ N If yes, where vented? _____

o. Is there a clothes dryer? Y / ☒ N If yes, is it vented outside? Y / N

p. Has there been a pesticide application? Y / ☒ N When & Type? _____

Are there odors in the building? Y / ☒ N

If yes, please describe: _____

Do any of the building occupants use solvents at work? Y / ☒ N
(e.g., chemical manufacturing or laboratory, auto mechanic or auto body shop, painting, fuel oil delivery, boiler mechanic, pesticide application, cosmetologist)

If yes, what types of solvents are used? N/A

If yes, are their clothes washed at work? Y / ☒ N

Do any of the building occupants regularly use or work at a dry-cleaning service? (Circle appropriate response)

Yes, use dry-cleaning regularly (weekly) ☒ No
Yes, use dry-cleaning infrequently (monthly or less) ☐ Unknown
Yes, work at a dry-cleaning service

Is there a radon mitigation system for the building/structure? Y / ☒ N Date of Installation: _____
Is the system active or passive? Active/Passive

9. WATER AND SEWAGE

Water Supply: ☒ Public Water ☐ Drilled Well ☐ Driven Well ☐ Dug Well Other: _____

Sewage Disposal: ☐ Public Sewer ☐ Septic Tank ☐ Leach Field ☐ Dry Well ☒ Other: GE WWTP

10. RELOCATION INFORMATION (for oil spill residential emergency)

a. Provide reasons why relocation is recommended: N/A

b. Residents choose to: remain in home ☐ relocate to friends/family ☐ relocate to hotel/motel ☐

c. Responsibility for costs associated with reimbursement explained? Y / N

d. Relocation package provided and explained to residents? Y / N

11. FLOOR PLANS

Draw a plan view sketch of the basement and first floor of the building. Indicate air sampling locations, possible indoor air pollution sources and PID meter readings. If the building does not have a basement, please note.

Basement:

See attached

First Floor:

See attached

12. OUTDOOR PLOT

Draw a sketch of the area surrounding the building being sampled. If applicable, provide information on spill locations, potential air contamination sources (industries, gas stations, repair shops, landfills, etc.), outdoor air sampling location(s) and PID meter readings.

Also indicate compass direction, wind direction and speed during sampling, the locations of the well and septic system, if applicable, and a qualifying statement to help locate the site on a topographic map.

See attached

13. PRODUCT INVENTORY FORM

Make & Model of field instrument used: Minirae 3000

List specific products found in the residence that have the potential to affect indoor air quality.

Location	Product Description	Size (units)	Condition *	Chemical Ingredients	Field Instrument Reading (units)	Photo ** Y/N
1 st floor	unspecified sanitizer ^{x9}	32 fl oz	U	unknown	0.0	✓
↓	Germ X hand sanitizer ^{x9}	8 fl oz	U		0.0	✓
mezz.	unspecified sanitizer ^{x2}	32 fl oz	U		0.0	✓
↓	Germ X hand sanitizer	8 fl oz	U		0.0	✓
1 st floor	Phillips grip stick adhesive ¹⁷⁶²		U		0.0	✓
	Easy sand joint compound	18 lb	U		0.0	✓
	USG all purpose sheetrock ^{x2}	5 gal	U		0.0	✓
	Proform mid weight joint compound ^{x2}	5 gal	U		0.0	✓
	Skimcoke XL cement ^{x4}	25 lb	U		0.0	✓
	Eco 811 carpet tile adhesive ^{x3}	4 gal	U		0.0	✓
	solvent free base adhesive chapco	4 gal	U		0.0	✓
	Flortred adhesive Tarkett	4 gal	U		0.0	✓
↓	low foam floor cleaner - Ecoler	1 gal	U		0.0	✓
2 nd floor	Grip 3 solvent free floor adhesive	4 gal	U		0.0	✓

* Describe the condition of the product containers as **Unopened (UO)**, **Used (U)**, or **Deteriorated (D)**** Photographs of the **front and back** of product containers can replace the handwritten list of chemical ingredients. However, the photographs must be of good quality and ingredient labels must be legible.

Indoor Air Quality Questionnaire and Building Inventory
Product Inventory Photographs-August 2020
Former IBM East Fishkill Facility – Building 730 (338)- Powerhouse Gym



Photo #1: 1st Floor Main Equipment Area/Leg Studio/Mezzanine

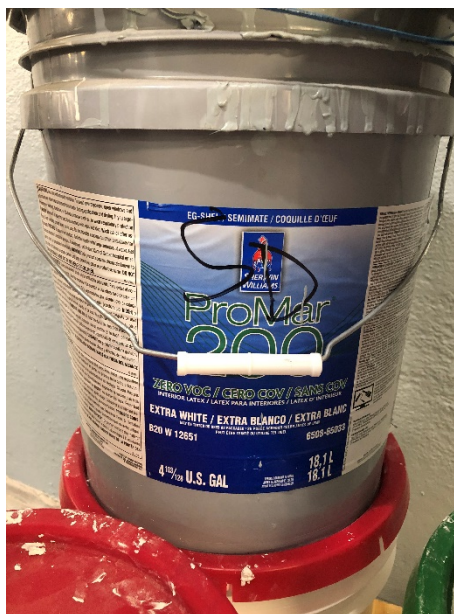


Photo #2: 1st Floor



Photo #3: 1st Floor

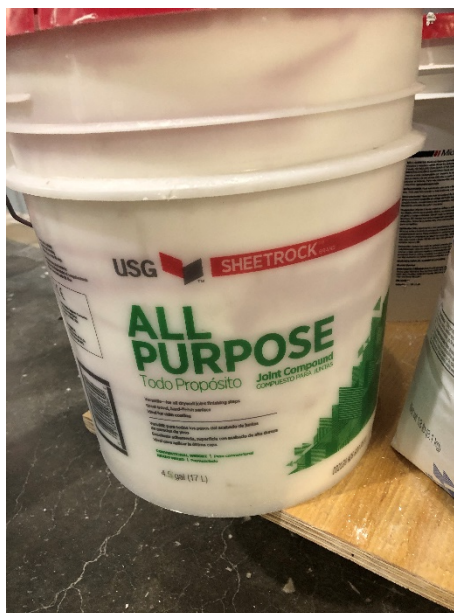


Photo #4: 1st Floor



Photo #5: 1st Floor



Photo #6: 1st Floor



Photo #7: 1st Floor



Photo #8: 1st Floor



Photo #9: 1st Floor



Photo #10: 2nd Floor

APPENDIX D
PHOTOGRAPHIC LOG OF SAMPLING LOCATIONS

Site Photographs
Building 338, Power House Gym

Photograph #1



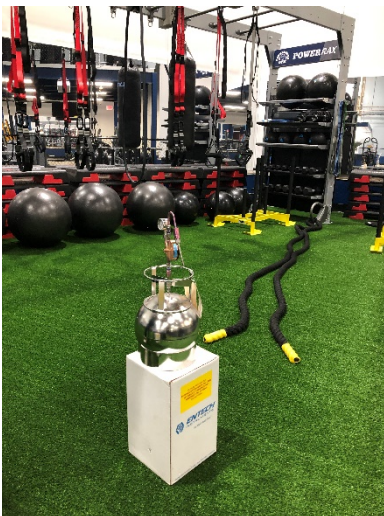
Sample Location IA-1,
First Floor- Entrance Hallway

Photograph #2



Sample Location IA-2,
First Floor - Reception area

Photograph #3



Sample Location IA-3,
First Floor - Trainers turf area

Photograph #4



Sample Location IA-4,
First Floor - Main equipment area

Photograph #5



Sample Location IA-5,
First Floor - Cardio studio

Photograph #6



Sample Location IA-6,
First Floor - Leg studio

Photograph #7



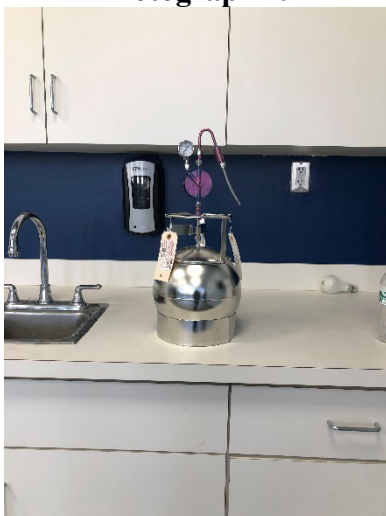
Sample Location IA-7,
Second Floor - Mezzanine Fitness Area

Photograph #8



Sample Location IA-8,
Second Floor – Locker Room Area

Photograph #9



Sample Location IA-9,
Second Floor – Yoga Studio Area

Photograph #10



Sample Location AA-01,
Rooftop HVAC Unit

APPENDIX E
LABORATORY ANALYTICAL REPORT (CATEGORY B DELIVERABLES)



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

Walden Environmental Engineering PLLC
IPARK 0018.44 POWERHOUSE GYM

GCG52615

Ver 1

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Wednesday, October 07, 2020

Attn: Nora Brew
Walden Environmental Engineering PLLC
16 Spring Street
Oyster Bay, NY 11771

Project ID: IPARK 0018.44 POWERHOUSE GYM
SDG ID: GCG52615
Sample ID#s: CG52615 - CG52626

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.

Enclosed are revised Analysis Report pages. Please replace and discard the original pages. 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.

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
UT Lab Registration #CT00007
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: Walden Environmental Engineering PLLC
Project: IPARK 0018.44 POWERHOUSE GYM
Laboratory Project: GCG52615



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

October 07, 2020

SDG I.D.: GCG52615

Walden Environmental Engineering PLLC IPARK 0018.44 POWERHOUSE GYM

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

October 07, 2020

SDG I.D.: GCG52615

Walden Environmental Engineering PLLC IPARK 0018.44 POWERHOUSE GYM

Laboratory Chronicle

Sample	Analysis	Collection Date	Prep Date	Analysis Date	Analyst	Hold Time Met
CG52615	Volatiles (TO15)	08/11/20	08/12/20	08/12/20	KCA	Y
CG52616	Volatiles (TO15)	08/11/20	08/12/20	08/12/20	KCA	Y
CG52617	Volatiles (TO15)	08/11/20	08/12/20	08/12/20	KCA	Y
CG52618	Volatiles (TO15)	08/11/20	08/12/20	08/12/20	KCA	Y
CG52619	Volatiles (TO15)	08/11/20	08/12/20	08/12/20	KCA	Y
CG52620	Volatiles (TO15)	08/11/20	08/12/20	08/12/20	KCA	Y
CG52621	Volatiles (TO15)	08/11/20	08/13/20	08/13/20	KCA	Y
CG52622	Volatiles (TO15)	08/11/20	08/13/20	08/13/20	KCA	Y
CG52623	Volatiles (TO15)	08/11/20	08/13/20	08/13/20	KCA	Y
CG52624	Volatiles (TO15)	08/11/20	08/13/20	08/13/20	KCA	Y
CG52625	Volatiles (TO15)	08/11/20	08/13/20	08/13/20	KCA	Y
CG52626	Volatiles (TO15)	08/11/20	08/13/20	08/13/20	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

October 07, 2020

SDG I.D.: GCG52615

Version 3:
Minor changes were made to Benzene.



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Sample Id Cross Reference

October 07, 2020

SDG I.D.: GCG52615

Project ID: IPARK 0018.44 POWERHOUSE GYM

Client Id	Lab Id	Matrix
IA-7 (MEZZANINE)	CG52615	AIR
AA-1 (AMBIENT AIR)	CG52616	AIR
IA-8 (MEN`S LOCKER ROOM)	CG52617	AIR
IA-6 (CARDIO)	CG52618	AIR
IA-DUP	CG52619	AIR
IA-1 (ENTRY HALLWAY)	CG52620	AIR
IA-2 (RECEPTION AREA)	CG52621	AIR
IA-4 (MAIN EQUIPMENT AREA)	CG52622	AIR
IA-9 (MIXED USE STUDIO)	CG52623	AIR
IA-3 (TRAINERS TURF)	CG52624	AIR
IA-5 (LEG STUDIO)	CG52625	AIR
FB-01	CG52626	AIR



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Analysis Report

October 07, 2020

FOR: Attn: Nora Brew
Walden Environmental Engineering PLLC
16 Spring Street
Oyster Bay, NY 11771

Sample Information

Matrix: AIR
Location Code: WALDENE-IPARK
Rush Request: 72 Hour
P.O.#: IPARK 0118.44
Canister Id: 18258

Custody Information

Collected by: EJ
Received by: CP
Analyzed by: see "By" below

Date

08/11/20
08/12/20

Time

15:37
17:16

Laboratory Data

SDG ID: GCG52615
Phoenix ID: CG52615

Project ID: IPARK 0018.44 POWERHOUSE GYM
Client ID: IA-7 (MEZZANINE)

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-Trichloroethane	ND	0.200	0.200	ND	1.09	1.09	08/12/20	KCA	1
1,1-Dichloroethene	ND	0.050	0.050	ND	0.20	0.20	08/12/20	KCA	1
1,2,4-Trichlorobenzene	ND	0.250	0.250	ND	1.85	1.85	08/12/20	KCA	1
1,2-Dichlorobenzene	ND	0.150	0.150	ND	0.90	0.90	08/12/20	KCA	1
1,3-Dichlorobenzene	ND	0.150	0.150	ND	0.90	0.90	08/12/20	KCA	1
1,4-Dichlorobenzene	ND	0.150	0.150	ND	0.90	0.90	08/12/20	KCA	1
Acetone	5.33	1.00	1.00	12.7	2.37	2.37	08/12/20	KCA	1
Benzene	0.146	0.050	0.050	0.47	0.16	0.16	08/12/20	KCA	1
Carbon Tetrachloride	0.064	0.020	0.020	0.40	0.13	0.13	08/12/20	KCA	1
Chlorobenzene	ND	0.200	0.200	ND	0.92	0.92	08/12/20	KCA	1
Cis-1,2-Dichloroethene	ND	0.050	0.050	ND	0.20	0.20	08/12/20	KCA	1
Dichlorodifluoromethane	0.407	0.200	0.200	2.01	0.99	0.99	08/12/20	KCA	1
Ethylbenzene	ND	0.150	0.150	ND	0.65	0.65	08/12/20	KCA	1
m,p-Xylene	ND	0.150	0.150	ND	0.65	0.65	08/12/20	KCA	1
Methylene Chloride	ND	0.400	0.400	ND	1.39	1.39	08/12/20	KCA	1
o-Xylene	ND	0.150	0.150	ND	0.65	0.65	08/12/20	KCA	1
Tetrachloroethene	ND	0.100	0.100	ND	0.68	0.68	08/12/20	KCA	1
Toluene	0.232	0.200	0.200	0.87	0.75	0.75	08/12/20	KCA	1
Trichloroethene	ND	0.037	0.037	ND	0.20	0.20	08/12/20	KCA	1
Trichlorofluoromethane	1.23	0.150	0.150	6.91	0.84	0.84	08/12/20	KCA	1
Trichlorotrifluoroethane	ND	0.150	0.150	ND	1.15	1.15	08/12/20	KCA	1
Vinyl Chloride	ND	0.020	0.020	ND	0.05	0.05	08/12/20	KCA	1
<u>QA/QC Surrogates/Internals</u>									
% Bromofluorobenzene	99	%	%	99	%	%	08/12/20	KCA	1
% IS-1,4-Difluorobenzene	99	%	%	99	%	%	08/12/20	KCA	1
% IS-Bromochloromethane	100	%	%	100	%	%	08/12/20	KCA	1

Client ID: IA-7 (MEZZANINE)

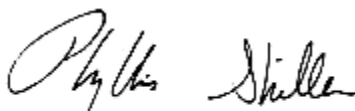
Parameter	ppbv Result	ppbv RL	LOD/ MDL	ug/m3 Result	ug/m3 RL	LOD/ MDL	Date/Time	By
% IS-Chlorobenzene-d5	99	%	%	99	%	%	08/12/20	KCA

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

October 07, 2020

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



Analysis Report

October 07, 2020

FOR: Attn: Nora Brew
Walden Environmental Engineering PLLC
16 Spring Street
Oyster Bay, NY 11771

Sample Information

Matrix: AIR
Location Code: WALDENE-IPARK
Rush Request: 72 Hour
P.O.#: IPARK 0118.44
Canister Id: 23336

Custody Information

Collected by: EJ
Received by: CP
Analyzed by: see "By" below

Date

08/11/20 15:39
08/12/20 17:16

Time

Laboratory Data

SDG ID: GCG52615
Phoenix ID: CG52616

Project ID: IPARK 0018.44 POWERHOUSE GYM
Client ID: AA-1 (AMBIENT AIR)

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-Trichloroethane	ND	0.200	0.200	ND	1.09	1.09	08/12/20	KCA	1
1,1-Dichloroethene	ND	0.050	0.050	ND	0.20	0.20	08/12/20	KCA	1
1,2,4-Trichlorobenzene	ND	0.250	0.250	ND	1.85	1.85	08/12/20	KCA	1
1,2-Dichlorobenzene	ND	0.150	0.150	ND	0.90	0.90	08/12/20	KCA	1
1,3-Dichlorobenzene	ND	0.150	0.150	ND	0.90	0.90	08/12/20	KCA	1
1,4-Dichlorobenzene	ND	0.150	0.150	ND	0.90	0.90	08/12/20	KCA	1
Acetone	4.34	1.00	1.00	10.3	2.37	2.37	08/12/20	KCA	1
Benzene	0.066	0.050	0.050	0.21	0.16	0.16	08/12/20	KCA	1
Carbon Tetrachloride	0.065	0.020	0.020	0.41	0.13	0.13	08/12/20	KCA	1
Chlorobenzene	ND	0.200	0.200	ND	0.92	0.92	08/12/20	KCA	1
Cis-1,2-Dichloroethene	ND	0.050	0.050	ND	0.20	0.20	08/12/20	KCA	1
Dichlorodifluoromethane	0.382	0.200	0.200	1.89	0.99	0.99	08/12/20	KCA	1
Ethylbenzene	ND	0.150	0.150	ND	0.65	0.65	08/12/20	KCA	1
m,p-Xylene	ND	0.150	0.150	ND	0.65	0.65	08/12/20	KCA	1
Methylene Chloride	ND	0.400	0.400	ND	1.39	1.39	08/12/20	KCA	1
o-Xylene	ND	0.150	0.150	ND	0.65	0.65	08/12/20	KCA	1
Tetrachloroethene	ND	0.100	0.100	ND	0.68	0.68	08/12/20	KCA	1
Toluene	ND	0.200	0.200	ND	0.75	0.75	08/12/20	KCA	1
Trichloroethene	ND	0.037	0.037	ND	0.20	0.20	08/12/20	KCA	1
Trichlorofluoromethane	0.319	0.150	0.150	1.79	0.84	0.84	08/12/20	KCA	1
Trichlorotrifluoroethane	ND	0.150	0.150	ND	1.15	1.15	08/12/20	KCA	1
Vinyl Chloride	ND	0.020	0.020	ND	0.05	0.05	08/12/20	KCA	1
<u>QA/QC Surrogates/Internals</u>									
% Bromofluorobenzene	99	%	%	99	%	%	08/12/20	KCA	1
% IS-1,4-Difluorobenzene	98	%	%	98	%	%	08/12/20	KCA	1
% IS-Bromochloromethane	100	%	%	100	%	%	08/12/20	KCA	1

Client ID: AA-1 (AMBIENT AIR)

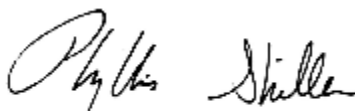
Parameter	ppbv Result	ppbv RL	LOD/ MDL	ug/m3 Result	ug/m3 RL	LOD/ MDL	Date/Time	By
% IS-Chlorobenzene-d5	98	%	%	98	%	%	08/12/20	KCA

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:

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Phyllis Shiller, Laboratory Director

October 07, 2020

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



Analysis Report

October 07, 2020

FOR: Attn: Nora Brew
Walden Environmental Engineering PLLC
16 Spring Street
Oyster Bay, NY 11771

Sample Information

Matrix: AIR
Location Code: WALDENE-IPARK
Rush Request: 72 Hour
P.O.#: IPARK 0118.44
Canister Id: 13638

Custody Information

Collected by: EJ
Received by: CP
Analyzed by: see "By" below

Date

08/11/20 15:35
08/12/20 17:16

Time

Laboratory Data

SDG ID: GCG52615
Phoenix ID: CG52617

Project ID: IPARK 0018.44 POWERHOUSE GYM
Client ID: IA-8 (MEN'S LOCKER ROOM)

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-Trichloroethane	ND	0.200	0.200	ND	1.09	1.09	08/12/20	KCA	1
1,1-Dichloroethene	ND	0.050	0.050	ND	0.20	0.20	08/12/20	KCA	1
1,2,4-Trichlorobenzene	ND	0.250	0.250	ND	1.85	1.85	08/12/20	KCA	1
1,2-Dichlorobenzene	ND	0.150	0.150	ND	0.90	0.90	08/12/20	KCA	1
1,3-Dichlorobenzene	ND	0.150	0.150	ND	0.90	0.90	08/12/20	KCA	1
1,4-Dichlorobenzene	ND	0.150	0.150	ND	0.90	0.90	08/12/20	KCA	1
Acetone	7.46	1.00	1.00	17.7	2.37	2.37	08/12/20	KCA	1
Benzene	0.067	0.050	0.050	0.21	0.16	0.16	08/12/20	KCA	1
Carbon Tetrachloride	0.058	0.020	0.020	0.36	0.13	0.13	08/12/20	KCA	1
Chlorobenzene	ND	0.200	0.200	ND	0.92	0.92	08/12/20	KCA	1
Cis-1,2-Dichloroethene	ND	0.050	0.050	ND	0.20	0.20	08/12/20	KCA	1
Dichlorodifluoromethane	0.443	0.200	0.200	2.19	0.99	0.99	08/12/20	KCA	1
Ethylbenzene	ND	0.150	0.150	ND	0.65	0.65	08/12/20	KCA	1
m,p-Xylene	ND	0.150	0.150	ND	0.65	0.65	08/12/20	KCA	1
Methylene Chloride	0.859	0.400	0.400	2.98	1.39	1.39	08/12/20	KCA	1
o-Xylene	ND	0.150	0.150	ND	0.65	0.65	08/12/20	KCA	1
Tetrachloroethene	ND	0.100	0.100	ND	0.68	0.68	08/12/20	KCA	1
Toluene	ND	0.200	0.200	ND	0.75	0.75	08/12/20	KCA	1
Trichloroethene	ND	0.037	0.037	ND	0.20	0.20	08/12/20	KCA	1
Trichlorofluoromethane	0.997	0.150	0.150	5.60	0.84	0.84	08/12/20	KCA	1
Trichlorotrifluoroethane	ND	0.150	0.150	ND	1.15	1.15	08/12/20	KCA	1
Vinyl Chloride	ND	0.020	0.020	ND	0.05	0.05	08/12/20	KCA	1
<u>QA/QC Surrogates/Internals</u>									
% Bromofluorobenzene	99	%	%	99	%	%	08/12/20	KCA	1
% IS-1,4-Difluorobenzene	98	%	%	98	%	%	08/12/20	KCA	1
% IS-Bromochloromethane	99	%	%	99	%	%	08/12/20	KCA	1

Client ID: IA-8 (MEN'S LOCKER ROOM)

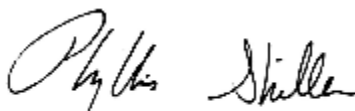
Parameter	ppbv Result	ppbv RL	LOD/ MDL	ug/m3 Result	ug/m3 RL	LOD/ MDL	Date/Time	By
% IS-Chlorobenzene-d5	98	%	%	98	%	%	08/12/20	KCA

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:

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Phyllis Shiller, Laboratory Director

October 07, 2020

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



Analysis Report

October 07, 2020

FOR: Attn: Nora Brew
Walden Environmental Engineering PLLC
16 Spring Street
Oyster Bay, NY 11771

Sample Information

Matrix: AIR
Location Code: WALDENE-IPARK
Rush Request: 72 Hour
P.O.#: IPARK 0118.44
Canister Id: 28556

Custody Information

Collected by: EJ
Received by: CP
Analyzed by: see "By" below

Date

08/11/20 15:07
08/12/20 17:16

Time

Laboratory Data

SDG ID: GCG52615
Phoenix ID: CG52618

Project ID: IPARK 0018.44 POWERHOUSE GYM
Client ID: IA-6 (CARDIO)

Parameter	ppbv Result	ppbv RL	LOD/ MDL	ug/m3 Result	ug/m3 RL	LOD/ MDL	Date/Time	By	Dilution
Volatiles (TO15)									
1,1,1-Trichloroethane	ND	0.200	0.200	ND	1.09	1.09	08/12/20	KCA	1
1,1-Dichloroethene	ND	0.050	0.050	ND	0.20	0.20	08/12/20	KCA	1
1,2,4-Trichlorobenzene	ND	0.250	0.250	ND	1.85	1.85	08/12/20	KCA	1
1,2-Dichlorobenzene	ND	0.150	0.150	ND	0.90	0.90	08/12/20	KCA	1
1,3-Dichlorobenzene	ND	0.150	0.150	ND	0.90	0.90	08/12/20	KCA	1
1,4-Dichlorobenzene	ND	0.150	0.150	ND	0.90	0.90	08/12/20	KCA	1
Acetone	5.33	1.00	1.00	12.7	2.37	2.37	08/12/20	KCA	1
Benzene	0.076	0.050	0.050	0.24	0.16	0.16	08/12/20	KCA	1
Carbon Tetrachloride	0.063	0.020	0.020	0.40	0.13	0.13	08/12/20	KCA	1
Chlorobenzene	ND	0.200	0.200	ND	0.92	0.92	08/12/20	KCA	1
Cis-1,2-Dichloroethene	ND	0.050	0.050	ND	0.20	0.20	08/12/20	KCA	1
Dichlorodifluoromethane	0.430	0.200	0.200	2.13	0.99	0.99	08/12/20	KCA	1
Ethylbenzene	ND	0.150	0.150	ND	0.65	0.65	08/12/20	KCA	1
m,p-Xylene	ND	0.150	0.150	ND	0.65	0.65	08/12/20	KCA	1
Methylene Chloride	ND	0.400	0.400	ND	1.39	1.39	08/12/20	KCA	1
o-Xylene	ND	0.150	0.150	ND	0.65	0.65	08/12/20	KCA	1
Tetrachloroethene	ND	0.100	0.100	ND	0.68	0.68	08/12/20	KCA	1
Toluene	0.236	0.200	0.200	0.89	0.75	0.75	08/12/20	KCA	1
Trichloroethene	ND	0.037	0.037	ND	0.20	0.20	08/12/20	KCA	1
Trichlorofluoromethane	1.22	0.150	0.150	6.85	0.84	0.84	08/12/20	KCA	1
Trichlorotrifluoroethane	ND	0.150	0.150	ND	1.15	1.15	08/12/20	KCA	1
Vinyl Chloride	ND	0.020	0.020	ND	0.05	0.05	08/12/20	KCA	1
QA/QC Surrogates/Internals									
% Bromofluorobenzene	98	%	%	98	%	%	08/12/20	KCA	1
% IS-1,4-Difluorobenzene	99	%	%	99	%	%	08/12/20	KCA	1
% IS-Bromochloromethane	100	%	%	100	%	%	08/12/20	KCA	1

Client ID: IA-6 (CARDIO)

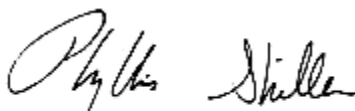
Parameter	ppbv Result	ppbv RL	LOD/ MDL	ug/m3 Result	ug/m3 RL	LOD/ MDL	Date/Time	By
% IS-Chlorobenzene-d5	99	%	%	99	%	%	08/12/20	KCA

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:

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Phyllis Shiller, Laboratory Director

October 07, 2020

Reviewed and Released by: Greg Lawrence, Assistant Lab Director



Environmental Laboratories, Inc.
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Tel. (860) 645-1102 Fax (860) 645-0823



Analysis Report

October 07, 2020

FOR: Attn: Nora Brew
Walden Environmental Engineering PLLC
16 Spring Street
Oyster Bay, NY 11771

Sample Information

Matrix: AIR
Location Code: WALDENE-IPARK
Rush Request: 72 Hour
P.O.#: IPARK 0118.44
Canister Id: 28565

Custody Information

Collected by: EJ
Received by: CP
Analyzed by: see "By" below

Date

08/11/20 15:03
08/12/20 17:16

Time

Laboratory Data

SDG ID: GCG52615
Phoenix ID: CG52619

Project ID: IPARK 0018.44 POWERHOUSE GYM
Client ID: IA-DUP

Parameter	ppbv Result	ppbv RL	LOD/ MDL	ug/m3 Result	ug/m3 RL	LOD/ MDL	Date/Time	By	Dilution
Volatiles (TO15)									
1,1,1-Trichloroethane	ND	0.200	0.200	ND	1.09	1.09	08/12/20	KCA	1
1,1-Dichloroethene	ND	0.050	0.050	ND	0.20	0.20	08/12/20	KCA	1
1,2,4-Trichlorobenzene	ND	0.250	0.250	ND	1.85	1.85	08/12/20	KCA	1
1,2-Dichlorobenzene	ND	0.150	0.150	ND	0.90	0.90	08/12/20	KCA	1
1,3-Dichlorobenzene	ND	0.150	0.150	ND	0.90	0.90	08/12/20	KCA	1
1,4-Dichlorobenzene	ND	0.150	0.150	ND	0.90	0.90	08/12/20	KCA	1
Acetone	4.88	1.00	1.00	11.6	2.37	2.37	08/12/20	KCA	1
Benzene	0.068	0.050	0.050	0.22	0.16	0.16	08/12/20	KCA	1
Carbon Tetrachloride	0.061	0.020	0.020	0.38	0.13	0.13	08/12/20	KCA	1
Chlorobenzene	ND	0.200	0.200	ND	0.92	0.92	08/12/20	KCA	1
Cis-1,2-Dichloroethene	ND	0.050	0.050	ND	0.20	0.20	08/12/20	KCA	1
Dichlorodifluoromethane	0.412	0.200	0.200	2.04	0.99	0.99	08/12/20	KCA	1
Ethylbenzene	ND	0.150	0.150	ND	0.65	0.65	08/12/20	KCA	1
m,p-Xylene	ND	0.150	0.150	ND	0.65	0.65	08/12/20	KCA	1
Methylene Chloride	ND	0.400	0.400	ND	1.39	1.39	08/12/20	KCA	1
o-Xylene	ND	0.150	0.150	ND	0.65	0.65	08/12/20	KCA	1
Tetrachloroethene	ND	0.100	0.100	ND	0.68	0.68	08/12/20	KCA	1
Toluene	0.273	0.200	0.200	1.03	0.75	0.75	08/12/20	KCA	1
Trichloroethene	ND	0.037	0.037	ND	0.20	0.20	08/12/20	KCA	1
Trichlorofluoromethane	1.25	0.150	0.150	7.02	0.84	0.84	08/12/20	KCA	1
Trichlorotrifluoroethane	ND	0.150	0.150	ND	1.15	1.15	08/12/20	KCA	1
Vinyl Chloride	ND	0.020	0.020	ND	0.05	0.05	08/12/20	KCA	1
QA/QC Surrogates/Internals									
% Bromofluorobenzene	98	%	%	98	%	%	08/12/20	KCA	1
% IS-1,4-Difluorobenzene	97	%	%	97	%	%	08/12/20	KCA	1
% IS-Bromochloromethane	100	%	%	100	%	%	08/12/20	KCA	1

Client ID: IA-DUP

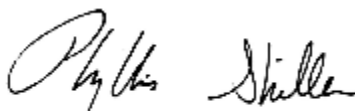
Parameter	ppbv Result	ppbv RL	LOD/ MDL	ug/m3 Result	ug/m3 RL	LOD/ MDL	Date/Time	By	
% IS-Chlorobenzene-d5	97	%	%	97	%	%	08/12/20	KCA	1

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:

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Phyllis Shiller, Laboratory Director

October 07, 2020

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



Analysis Report

October 07, 2020

FOR: Attn: Nora Brew
Walden Environmental Engineering PLLC
16 Spring Street
Oyster Bay, NY 11771

Sample Information

Matrix: AIR
Location Code: WALDENE-IPARK
Rush Request: 72 Hour
P.O.#: IPARK 0118.44
Canister Id: 28566

Custody Information

Collected by: EJ
Received by: CP
Analyzed by: see "By" below

Date

08/11/20 15:45
08/12/20 17:16

Time

Laboratory Data

SDG ID: GCG52615
Phoenix ID: CG52620

Project ID: IPARK 0018.44 POWERHOUSE GYM
Client ID: IA-1 (ENTRY HALLWAY)

Parameter	ppbv Result	ppbv RL	LOD/ MDL	ug/m3 Result	ug/m3 RL	LOD/ MDL	Date/Time	By	Dilution
Volatiles (TO15)									
1,1,1-Trichloroethane	ND	0.200	0.200	ND	1.09	1.09	08/12/20	KCA	1
1,1-Dichloroethene	ND	0.050	0.050	ND	0.20	0.20	08/12/20	KCA	1
1,2,4-Trichlorobenzene	ND	0.250	0.250	ND	1.85	1.85	08/12/20	KCA	1
1,2-Dichlorobenzene	ND	0.150	0.150	ND	0.90	0.90	08/12/20	KCA	1
1,3-Dichlorobenzene	ND	0.150	0.150	ND	0.90	0.90	08/12/20	KCA	1
1,4-Dichlorobenzene	ND	0.150	0.150	ND	0.90	0.90	08/12/20	KCA	1
Acetone	5.46	1.00	1.00	13.0	2.37	2.37	08/12/20	KCA	1
Benzene	0.061	0.050	0.050	0.19	0.16	0.16	08/12/20	KCA	1
Carbon Tetrachloride	0.063	0.020	0.020	0.40	0.13	0.13	08/12/20	KCA	1
Chlorobenzene	ND	0.200	0.200	ND	0.92	0.92	08/12/20	KCA	1
Cis-1,2-Dichloroethene	ND	0.050	0.050	ND	0.20	0.20	08/12/20	KCA	1
Dichlorodifluoromethane	0.540	0.200	0.200	2.67	0.99	0.99	08/12/20	KCA	1
Ethylbenzene	ND	0.150	0.150	ND	0.65	0.65	08/12/20	KCA	1
m,p-Xylene	ND	0.150	0.150	ND	0.65	0.65	08/12/20	KCA	1
Methylene Chloride	ND	0.400	0.400	ND	1.39	1.39	08/12/20	KCA	1
o-Xylene	ND	0.150	0.150	ND	0.65	0.65	08/12/20	KCA	1
Tetrachloroethene	ND	0.100	0.100	ND	0.68	0.68	08/12/20	KCA	1
Toluene	ND	0.200	0.200	ND	0.75	0.75	08/12/20	KCA	1
Trichloroethene	ND	0.037	0.037	ND	0.20	0.20	08/12/20	KCA	1
Trichlorofluoromethane	1.48	0.150	0.150	8.31	0.84	0.84	08/12/20	KCA	1
Trichlorotrifluoroethane	ND	0.150	0.150	ND	1.15	1.15	08/12/20	KCA	1
Vinyl Chloride	ND	0.020	0.020	ND	0.05	0.05	08/12/20	KCA	1
QA/QC Surrogates/Internals									
% Bromofluorobenzene	100	%	%	100	%	%	08/12/20	KCA	1
% IS-1,4-Difluorobenzene	97	%	%	97	%	%	08/12/20	KCA	1
% IS-Bromochloromethane	99	%	%	99	%	%	08/12/20	KCA	1

Client ID: IA-1 (ENTRY HALLWAY)

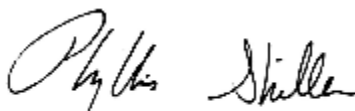
Parameter	ppbv Result	ppbv RL	LOD/ MDL	ug/m3 Result	ug/m3 RL	LOD/ MDL	Date/Time	By
% IS-Chlorobenzene-d5	95	%	%	95	%	%	08/12/20	KCA

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:

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Phyllis Shiller, Laboratory Director

October 07, 2020

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



Analysis Report

October 07, 2020

FOR: Attn: Nora Brew
Walden Environmental Engineering PLLC
16 Spring Street
Oyster Bay, NY 11771

Sample Information

Matrix: AIR
Location Code: WALDENE-IPARK
Rush Request: 72 Hour
P.O.#: IPARK 0118.44
Canister Id: 19628

Custody Information

Collected by: EJ
Received by: CP
Analyzed by: see "By" below

Date

08/11/20 15:30
08/12/20 17:16

Time

Laboratory Data

SDG ID: GCG52615
Phoenix ID: CG52621

Project ID: IPARK 0018.44 POWERHOUSE GYM
Client ID: IA-2 (RECEPTION AREA)

Parameter	ppbv Result	ppbv RL	LOD/ MDL	ug/m3 Result	ug/m3 RL	LOD/ MDL	Date/Time	By	Dilution
Volatiles (TO15)									
1,1,1-Trichloroethane	ND	0.200	0.200	ND	1.09	1.09	08/13/20	KCA	1
1,1-Dichloroethene	ND	0.050	0.050	ND	0.20	0.20	08/13/20	KCA	1
1,2,4-Trichlorobenzene	ND	0.250	0.250	ND	1.85	1.85	08/13/20	KCA	1
1,2-Dichlorobenzene	ND	0.150	0.150	ND	0.90	0.90	08/13/20	KCA	1
1,3-Dichlorobenzene	ND	0.150	0.150	ND	0.90	0.90	08/13/20	KCA	1
1,4-Dichlorobenzene	ND	0.150	0.150	ND	0.90	0.90	08/13/20	KCA	1
Acetone	6.63	1.00	1.00	15.7	2.37	2.37	08/13/20	KCA	1
Benzene	0.071	0.050	0.050	0.23	0.16	0.16	08/13/20	KCA	1
Carbon Tetrachloride	0.065	0.020	0.020	0.41	0.13	0.13	08/13/20	KCA	1
Chlorobenzene	ND	0.200	0.200	ND	0.92	0.92	08/13/20	KCA	1
Cis-1,2-Dichloroethene	ND	0.050	0.050	ND	0.20	0.20	08/13/20	KCA	1
Dichlorodifluoromethane	0.429	0.200	0.200	2.12	0.99	0.99	08/13/20	KCA	1
Ethylbenzene	ND	0.150	0.150	ND	0.65	0.65	08/13/20	KCA	1
m,p-Xylene	ND	0.150	0.150	ND	0.65	0.65	08/13/20	KCA	1
Methylene Chloride	ND	0.400	0.400	ND	1.39	1.39	08/13/20	KCA	1
o-Xylene	ND	0.150	0.150	ND	0.65	0.65	08/13/20	KCA	1
Tetrachloroethene	ND	0.100	0.100	ND	0.68	0.68	08/13/20	KCA	1
Toluene	1.84	0.200	0.200	6.93	0.75	0.75	08/13/20	KCA	1
Trichloroethene	ND	0.037	0.037	ND	0.20	0.20	08/13/20	KCA	1
Trichlorofluoromethane	1.34	0.150	0.150	7.52	0.84	0.84	08/13/20	KCA	1
Trichlorotrifluoroethane	ND	0.150	0.150	ND	1.15	1.15	08/13/20	KCA	1
Vinyl Chloride	ND	0.020	0.020	ND	0.05	0.05	08/13/20	KCA	1
QA/QC Surrogates/Internals									
% Bromofluorobenzene	99	%	%	99	%	%	08/13/20	KCA	1
% IS-1,4-Difluorobenzene	97	%	%	97	%	%	08/13/20	KCA	1
% IS-Bromochloromethane	98	%	%	98	%	%	08/13/20	KCA	1

Client ID: IA-2 (RECEPTION AREA)

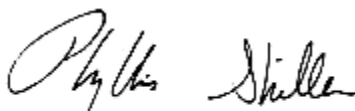
Parameter	ppbv Result	ppbv RL	LOD/ MDL	ug/m3 Result	ug/m3 RL	LOD/ MDL	Date/Time	By
% IS-Chlorobenzene-d5	97	%	%	97	%	%	08/13/20	KCA

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:

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**Phyllis Shiller, Laboratory Director****October 07, 2020****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



Analysis Report

October 07, 2020

FOR: Attn: Nora Brew
Walden Environmental Engineering PLLC
16 Spring Street
Oyster Bay, NY 11771

Sample Information

Matrix: AIR
Location Code: WALDENE-IPARK
Rush Request: 72 Hour
P.O.#: IPARK 0118.44
Canister Id: 23329

Custody Information

Collected by: EJ
Received by: CP
Analyzed by: see "By" below

Date

08/11/20 15:04
08/12/20 17:16

Time

Laboratory Data

SDG ID: GCG52615
Phoenix ID: CG52622

Project ID: IPARK 0018.44 POWERHOUSE GYM
Client ID: IA-4 (MAIN EQUIPMENT AREA)

Parameter	ppbv Result	ppbv RL	LOD/ MDL	ug/m3 Result	ug/m3 RL	LOD/ MDL	Date/Time	By	Dilution
Volatiles (TO15)									
1,1,1-Trichloroethane	ND	0.200	0.200	ND	1.09	1.09	08/13/20	KCA	1
1,1-Dichloroethene	ND	0.050	0.050	ND	0.20	0.20	08/13/20	KCA	1
1,2,4-Trichlorobenzene	ND	0.250	0.250	ND	1.85	1.85	08/13/20	KCA	1
1,2-Dichlorobenzene	ND	0.150	0.150	ND	0.90	0.90	08/13/20	KCA	1
1,3-Dichlorobenzene	ND	0.150	0.150	ND	0.90	0.90	08/13/20	KCA	1
1,4-Dichlorobenzene	ND	0.150	0.150	ND	0.90	0.90	08/13/20	KCA	1
Acetone	4.84	1.00	1.00	11.5	2.37	2.37	08/13/20	KCA	1
Benzene	0.079	0.050	0.050	0.25	0.16	0.16	08/13/20	KCA	1
Carbon Tetrachloride	0.066	0.020	0.020	0.41	0.13	0.13	08/13/20	KCA	1
Chlorobenzene	ND	0.200	0.200	ND	0.92	0.92	08/13/20	KCA	1
Cis-1,2-Dichloroethene	ND	0.050	0.050	ND	0.20	0.20	08/13/20	KCA	1
Dichlorodifluoromethane	0.413	0.200	0.200	2.04	0.99	0.99	08/13/20	KCA	1
Ethylbenzene	ND	0.150	0.150	ND	0.65	0.65	08/13/20	KCA	1
m,p-Xylene	ND	0.150	0.150	ND	0.65	0.65	08/13/20	KCA	1
Methylene Chloride	ND	0.400	0.400	ND	1.39	1.39	08/13/20	KCA	1
o-Xylene	ND	0.150	0.150	ND	0.65	0.65	08/13/20	KCA	1
Tetrachloroethene	ND	0.100	0.100	ND	0.68	0.68	08/13/20	KCA	1
Toluene	0.272	0.200	0.200	1.02	0.75	0.75	08/13/20	KCA	1
Trichloroethene	ND	0.037	0.037	ND	0.20	0.20	08/13/20	KCA	1
Trichlorofluoromethane	1.21	0.150	0.150	6.79	0.84	0.84	08/13/20	KCA	1
Trichlorotrifluoroethane	ND	0.150	0.150	ND	1.15	1.15	08/13/20	KCA	1
Vinyl Chloride	ND	0.020	0.020	ND	0.05	0.05	08/13/20	KCA	1
QA/QC Surrogates/Internals									
% Bromofluorobenzene	100	%	%	100	%	%	08/13/20	KCA	1
% IS-1,4-Difluorobenzene	96	%	%	96	%	%	08/13/20	KCA	1
% IS-Bromochloromethane	99	%	%	99	%	%	08/13/20	KCA	1

Client ID: IA-4 (MAIN EQUIPMENT AREA)

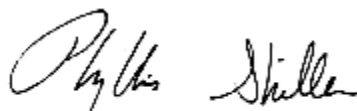
Parameter	ppbv Result	ppbv RL	LOD/ MDL	ug/m3 Result	ug/m3 RL	LOD/ MDL	Date/Time	By	
% IS-Chlorobenzene-d5	96	%	%	96	%	%	08/13/20	KCA	1

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:

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Phyllis Shiller, Laboratory Director

October 07, 2020

Reviewed and Released by: Greg Lawrence, Assistant Lab Director



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Tel. (860) 645-1102 Fax (860) 645-0823



Analysis Report

October 07, 2020

FOR: Attn: Nora Brew
Walden Environmental Engineering PLLC
16 Spring Street
Oyster Bay, NY 11771

Sample Information

Matrix: AIR
Location Code: WALDENE-IPARK
Rush Request: 72 Hour
P.O.#: IPARK 0118.44
Canister Id: 28551

Custody Information

Collected by: EJ
Received by: CP
Analyzed by: see "By" below

Date

08/11/20 15:25
08/12/20 17:16

Time

Laboratory Data

SDG ID: GCG52615
Phoenix ID: CG52623

Project ID: IPARK 0018.44 POWERHOUSE GYM
Client ID: IA-9 (MIXED USE STUDIO)

Parameter	ppbv Result	ppbv RL	LOD/ MDL	ug/m3 Result	ug/m3 RL	LOD/ MDL	Date/Time	By	Dilution
Volatiles (TO15)									
1,1,1-Trichloroethane	ND	0.200	0.200	ND	1.09	1.09	08/13/20	KCA	1
1,1-Dichloroethene	ND	0.050	0.050	ND	0.20	0.20	08/13/20	KCA	1
1,2,4-Trichlorobenzene	ND	0.250	0.250	ND	1.85	1.85	08/13/20	KCA	1
1,2-Dichlorobenzene	ND	0.150	0.150	ND	0.90	0.90	08/13/20	KCA	1
1,3-Dichlorobenzene	ND	0.150	0.150	ND	0.90	0.90	08/13/20	KCA	1
1,4-Dichlorobenzene	ND	0.150	0.150	ND	0.90	0.90	08/13/20	KCA	1
Acetone	4.87	1.00	1.00	11.6	2.37	2.37	08/13/20	KCA	1
Benzene	0.069	0.050	0.050	0.22	0.16	0.16	08/13/20	KCA	1
Carbon Tetrachloride	0.069	0.020	0.020	0.43	0.13	0.13	08/13/20	KCA	1
Chlorobenzene	ND	0.200	0.200	ND	0.92	0.92	08/13/20	KCA	1
Cis-1,2-Dichloroethene	ND	0.050	0.050	ND	0.20	0.20	08/13/20	KCA	1
Dichlorodifluoromethane	0.464	0.200	0.200	2.29	0.99	0.99	08/13/20	KCA	1
Ethylbenzene	ND	0.150	0.150	ND	0.65	0.65	08/13/20	KCA	1
m,p-Xylene	ND	0.150	0.150	ND	0.65	0.65	08/13/20	KCA	1
Methylene Chloride	ND	0.400	0.400	ND	1.39	1.39	08/13/20	KCA	1
o-Xylene	ND	0.150	0.150	ND	0.65	0.65	08/13/20	KCA	1
Tetrachloroethene	0.196	0.100	0.100	1.33	0.68	0.68	08/13/20	KCA	1
Toluene	ND	0.200	0.200	ND	0.75	0.75	08/13/20	KCA	1
Trichloroethene	ND	0.037	0.037	ND	0.20	0.20	08/13/20	KCA	1
Trichlorofluoromethane	1.32	0.150	0.150	7.41	0.84	0.84	08/13/20	KCA	1
Trichlorotrifluoroethane	ND	0.150	0.150	ND	1.15	1.15	08/13/20	KCA	1
Vinyl Chloride	ND	0.020	0.020	ND	0.05	0.05	08/13/20	KCA	1
QA/QC Surrogates/Internals									
% Bromofluorobenzene	100	%	%	100	%	%	08/13/20	KCA	1
% IS-1,4-Difluorobenzene	98	%	%	98	%	%	08/13/20	KCA	1
% IS-Bromochloromethane	98	%	%	98	%	%	08/13/20	KCA	1

Client ID: IA-9 (MIXED USE STUDIO)

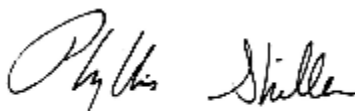
Parameter	ppbv Result	ppbv RL	LOD/ MDL	ug/m3 Result	ug/m3 RL	LOD/ MDL	Date/Time	By
% IS-Chlorobenzene-d5	96	%	%	96	%	%	08/13/20	KCA

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.

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Phyllis Shiller, Laboratory Director

October 07, 2020

Reviewed and Released by: Greg Lawrence, Assistant Lab Director



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Tel. (860) 645-1102 Fax (860) 645-0823



Analysis Report

October 07, 2020

FOR: Attn: Nora Brew
Walden Environmental Engineering PLLC
16 Spring Street
Oyster Bay, NY 11771

Sample Information

Matrix: AIR
Location Code: WALDENE-IPARK
Rush Request: 72 Hour
P.O.#: IPARK 0118.44
Canister Id: 28608

Custody Information

Collected by: EJ
Received by: CP
Analyzed by: see "By" below

Date

08/11/20 15:30
08/12/20 17:16

Time

Laboratory Data

SDG ID: GCG52615
Phoenix ID: CG52624

Project ID: IPARK 0018.44 POWERHOUSE GYM
Client ID: IA-3 (TRAINERS TURF)

Parameter	ppbv Result	ppbv RL	LOD/ MDL	ug/m3 Result	ug/m3 RL	LOD/ MDL	Date/Time	By	Dilution
Volatiles (TO15)									
1,1,1-Trichloroethane	ND	0.200	0.200	ND	1.09	1.09	08/13/20	KCA	1
1,1-Dichloroethene	ND	0.050	0.050	ND	0.20	0.20	08/13/20	KCA	1
1,2,4-Trichlorobenzene	ND	0.250	0.250	ND	1.85	1.85	08/13/20	KCA	1
1,2-Dichlorobenzene	ND	0.150	0.150	ND	0.90	0.90	08/13/20	KCA	1
1,3-Dichlorobenzene	ND	0.150	0.150	ND	0.90	0.90	08/13/20	KCA	1
1,4-Dichlorobenzene	ND	0.150	0.150	ND	0.90	0.90	08/13/20	KCA	1
Acetone	5.01	1.00	1.00	11.9	2.37	2.37	08/13/20	KCA	1
Benzene	0.075	0.050	0.050	0.24	0.16	0.16	08/13/20	KCA	1
Carbon Tetrachloride	0.071	0.020	0.020	0.45	0.13	0.13	08/13/20	KCA	1
Chlorobenzene	ND	0.200	0.200	ND	0.92	0.92	08/13/20	KCA	1
Cis-1,2-Dichloroethene	ND	0.050	0.050	ND	0.20	0.20	08/13/20	KCA	1
Dichlorodifluoromethane	0.448	0.200	0.200	2.21	0.99	0.99	08/13/20	KCA	1
Ethylbenzene	ND	0.150	0.150	ND	0.65	0.65	08/13/20	KCA	1
m,p-Xylene	ND	0.150	0.150	ND	0.65	0.65	08/13/20	KCA	1
Methylene Chloride	ND	0.400	0.400	ND	1.39	1.39	08/13/20	KCA	1
o-Xylene	ND	0.150	0.150	ND	0.65	0.65	08/13/20	KCA	1
Tetrachloroethene	ND	0.100	0.100	ND	0.68	0.68	08/13/20	KCA	1
Toluene	ND	0.200	0.200	ND	0.75	0.75	08/13/20	KCA	1
Trichloroethene	ND	0.037	0.037	ND	0.20	0.20	08/13/20	KCA	1
Trichlorofluoromethane	1.18	0.150	0.150	6.63	0.84	0.84	08/13/20	KCA	1
Trichlorotrifluoroethane	ND	0.150	0.150	ND	1.15	1.15	08/13/20	KCA	1
Vinyl Chloride	ND	0.020	0.020	ND	0.05	0.05	08/13/20	KCA	1
QA/QC Surrogates/Internals									
% Bromofluorobenzene	100	%	%	100	%	%	08/13/20	KCA	1
% IS-1,4-Difluorobenzene	96	%	%	96	%	%	08/13/20	KCA	1
% IS-Bromochloromethane	99	%	%	99	%	%	08/13/20	KCA	1

Client ID: IA-3 (TRAINERS TURF)

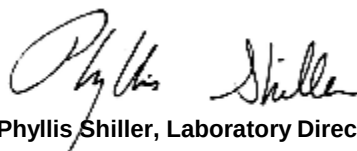
Parameter	ppbv Result	ppbv RL	LOD/ MDL	ug/m3 Result	ug/m3 RL	LOD/ MDL	Date/Time	By
% IS-Chlorobenzene-d5	96	%	%	96	%	%	08/13/20	KCA

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:

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

October 07, 2020

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



Analysis Report

October 07, 2020

FOR: Attn: Nora Brew
Walden Environmental Engineering PLLC
16 Spring Street
Oyster Bay, NY 11771

Sample Information

Matrix: AIR
Location Code: WALDENE-IPARK
Rush Request: 72 Hour
P.O.#: IPARK 0118.44
Canister Id: 490

Custody Information

Collected by: EJ
Received by: CP
Analyzed by: see "By" below

Date

08/11/20 15:40
08/12/20 17:16

Time

Laboratory Data

SDG ID: GCG52615
Phoenix ID: CG52625

Project ID: IPARK 0018.44 POWERHOUSE GYM
Client ID: IA-5 (LEG STUDIO)

Parameter	ppbv Result	ppbv RL	LOD/ MDL	ug/m3 Result	ug/m3 RL	LOD/ MDL	Date/Time	By	Dilution
Volatiles (TO15)									
1,1,1-Trichloroethane	ND	0.200	0.200	ND	1.09	1.09	08/13/20	KCA	1
1,1-Dichloroethene	ND	0.050	0.050	ND	0.20	0.20	08/13/20	KCA	1
1,2,4-Trichlorobenzene	ND	0.250	0.250	ND	1.85	1.85	08/13/20	KCA	1
1,2-Dichlorobenzene	ND	0.150	0.150	ND	0.90	0.90	08/13/20	KCA	1
1,3-Dichlorobenzene	ND	0.150	0.150	ND	0.90	0.90	08/13/20	KCA	1
1,4-Dichlorobenzene	ND	0.150	0.150	ND	0.90	0.90	08/13/20	KCA	1
Acetone	5.40	1.00	1.00	12.8	2.37	2.37	08/13/20	KCA	1
Benzene	0.069	0.050	0.050	0.22	0.16	0.16	08/13/20	KCA	1
Carbon Tetrachloride	0.068	0.020	0.020	0.43	0.13	0.13	08/13/20	KCA	1
Chlorobenzene	ND	0.200	0.200	ND	0.92	0.92	08/13/20	KCA	1
Cis-1,2-Dichloroethene	ND	0.050	0.050	ND	0.20	0.20	08/13/20	KCA	1
Dichlorodifluoromethane	0.427	0.200	0.200	2.11	0.99	0.99	08/13/20	KCA	1
Ethylbenzene	ND	0.150	0.150	ND	0.65	0.65	08/13/20	KCA	1
m,p-Xylene	ND	0.150	0.150	ND	0.65	0.65	08/13/20	KCA	1
Methylene Chloride	ND	0.400	0.400	ND	1.39	1.39	08/13/20	KCA	1
o-Xylene	ND	0.150	0.150	ND	0.65	0.65	08/13/20	KCA	1
Tetrachloroethene	ND	0.100	0.100	ND	0.68	0.68	08/13/20	KCA	1
Toluene	0.237	0.200	0.200	0.89	0.75	0.75	08/13/20	KCA	1
Trichloroethene	ND	0.037	0.037	ND	0.20	0.20	08/13/20	KCA	1
Trichlorofluoromethane	1.24	0.150	0.150	6.96	0.84	0.84	08/13/20	KCA	1
Trichlorotrifluoroethane	ND	0.150	0.150	ND	1.15	1.15	08/13/20	KCA	1
Vinyl Chloride	ND	0.020	0.020	ND	0.05	0.05	08/13/20	KCA	1
QA/QC Surrogates/Internals									
% Bromofluorobenzene	99	%	%	99	%	%	08/13/20	KCA	1
% IS-1,4-Difluorobenzene	94	%	%	94	%	%	08/13/20	KCA	1
% IS-Bromochloromethane	97	%	%	97	%	%	08/13/20	KCA	1

Client ID: IA-5 (LEG STUDIO)

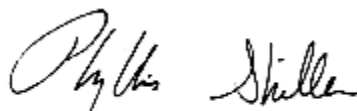
Parameter	ppbv Result	ppbv RL	LOD/ MDL	ug/m3 Result	ug/m3 RL	LOD/ MDL	Date/Time	By
% IS-Chlorobenzene-d5	95	%	%	95	%	%	08/13/20	KCA

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:

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**Phyllis Shiller, Laboratory Director****October 07, 2020****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



Analysis Report

October 07, 2020

FOR: Attn: Nora Brew
Walden Environmental Engineering PLLC
16 Spring Street
Oyster Bay, NY 11771

Sample Information

Matrix: AIR
Location Code: WALDENE-IPARK
Rush Request: 72 Hour
P.O.#: IPARK 0118.44
Canister Id: 9544

Custody Information

Collected by: EJ
Received by: CP
Analyzed by: see "By" below

Date

08/11/20 11:05
08/12/20 17:16

Time

Laboratory Data

SDG ID: GCG52615
Phoenix ID: CG52626

Project ID: IPARK 0018.44 POWERHOUSE GYM
Client ID: FB-01

Parameter	ppbv Result	ppbv RL	LOD/ MDL	ug/m3 Result	ug/m3 RL	LOD/ MDL	Date/Time	By	Dilution
Volatiles (TO15)									
1,1,1-Trichloroethane	ND	0.200	0.200	ND	1.09	1.09	08/13/20	KCA	1
1,1-Dichloroethene	ND	0.050	0.050	ND	0.20	0.20	08/13/20	KCA	1
1,2,4-Trichlorobenzene	ND	0.250	0.250	ND	1.85	1.85	08/13/20	KCA	1
1,2-Dichlorobenzene	ND	0.150	0.150	ND	0.90	0.90	08/13/20	KCA	1
1,3-Dichlorobenzene	ND	0.150	0.150	ND	0.90	0.90	08/13/20	KCA	1
1,4-Dichlorobenzene	ND	0.150	0.150	ND	0.90	0.90	08/13/20	KCA	1
Acetone	ND	1.00	1.00	ND	2.37	2.37	08/13/20	KCA	1
Benzene	0.325	0.050	0.050	1.04	0.16	0.16	08/13/20	KCA	1
Carbon Tetrachloride	ND	0.020	0.020	ND	0.13	0.13	08/13/20	KCA	1
Chlorobenzene	ND	0.200	0.200	ND	0.92	0.92	08/13/20	KCA	1
Cis-1,2-Dichloroethene	ND	0.050	0.050	ND	0.20	0.20	08/13/20	KCA	1
Dichlorodifluoromethane	ND	0.200	0.200	ND	0.99	0.99	08/13/20	KCA	1
Ethylbenzene	ND	0.150	0.150	ND	0.65	0.65	08/13/20	KCA	1
m,p-Xylene	0.336	0.150	0.150	1.46	0.65	0.65	08/13/20	KCA	1
Methylene Chloride	ND	0.400	0.400	ND	1.39	1.39	08/13/20	KCA	1
o-Xylene	0.197	0.150	0.150	0.85	0.65	0.65	08/13/20	KCA	1
Tetrachloroethene	0.134	0.100	0.100	0.91	0.68	0.68	08/13/20	KCA	1
Toluene	0.411	0.200	0.200	1.55	0.75	0.75	08/13/20	KCA	1
Trichloroethene	ND	0.037	0.037	ND	0.20	0.20	08/13/20	KCA	1
Trichlorofluoromethane	0.150	0.150	0.150	0.84	0.84	0.84	08/13/20	KCA	1
Trichlorotrifluoroethane	ND	0.150	0.150	ND	1.15	1.15	08/13/20	KCA	1
Vinyl Chloride	ND	0.020	0.020	ND	0.05	0.05	08/13/20	KCA	1
QA/QC Surrogates/Internals									
% Bromofluorobenzene	103	%	%	103	%	%	08/13/20	KCA	1
% IS-1,4-Difluorobenzene	96	%	%	96	%	%	08/13/20	KCA	1
% IS-Bromochloromethane	99	%	%	99	%	%	08/13/20	KCA	1

Client ID: FB-01

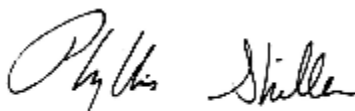
Parameter	ppbv Result	ppbv RL	LOD/ MDL	ug/m3 Result	ug/m3 RL	LOD/ MDL	Date/Time	By
% IS-Chlorobenzene-d5	98	%	%	98	%	%	08/13/20	KCA

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

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Comments:

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Phyllis Shiller, Laboratory Director

October 07, 2020

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

October 07, 2020

FOR: Attn: Nora Brew
Walden Environmental Engineering PLLC
16 Spring Street
Oyster Bay, NY 11771

Location Code: WALDENE-IPARK

SDG I.D.: GCG52615

Project ID: IPARK 0018.44 POWERHOUSE GYM

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
IA-7 (MEZZANINE)	CG52615	18258	6.0L	5592	07/15/20	-30	-8	10.8	11	1.8	-30	-8	08/11/20 08:45	08/11/20 15:37
AA-1 (AMBIENT AIR)	CG52616	23336	6.0L	4490	07/15/20	-30	-10	10.8	10.9	0.9	-30	-9.5	08/11/20 08:58	08/11/20 15:39
IA-8 (MEN`S LOCKER)	CG52617	13638	6.0L	5597	07/15/20	-30	-9	10.8	11	1.8	-29	-8	08/11/20 09:00	08/11/20 15:35
IA-6 (CARDIO)	CG52618	28556	6.0L	4966	07/15/20	-30	-9	10.8	10.9	0.9	-30	-9	08/11/20 08:15	08/11/20 15:07
IA-DUP	CG52619	28565	6.0L	5385	07/15/20	-30	-6	10.8	11.5	6.3	-30	-8	08/11/20 08:42	08/11/20 15:03
IA-1 (ENTRY HALLWA)	CG52620	28566	6.0L	7036	07/15/20	-30	-9	10.8	10.7	0.9	-30	-9	08/11/20 09:07	08/11/20 15:46
IA-2 (RECEPTION AR)	CG52621	19628	6.0L	5352	07/15/20	-30	-8	10.8	10.8	0.0	-30	-9	08/11/20 08:36	08/11/20 15:30
IA-4 (MAIN EQUIPME)	CG52622	23329	6.0L	5593	07/15/20	-30	-9	10.8	11.1	2.7	-30	-9	08/11/20 08:41	08/11/20 15:04
IA-9 (MIXED USE STU)	CG52623	28551	6.0L	5395	07/15/20	-30	-8	10.8	10.8	0.0	-30	-9	08/11/20 08:49	08/11/20 15:25
IA-3 (TRAINERS TUR)	CG52624	28608	6.0L	5390	07/15/20	-30	-7	10.8	11	1.8	-30	-9	08/11/20 08:38	08/11/20 15:30
IA-5 (LEG STUDIO)	CG52625	490	6.0L	3506	07/15/20	-30	-7	10.8	10.7	0.9	-30	-9	08/11/20 08:44	08/11/20 15:40
FB-01	CG52626	9544	6.0L	3256	07/15/20	-30	-7	10.8	11.4	5.4	-29	-7	08/11/20 10:43	08/11/20 11:05



Environmental Laboratories, Inc.
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QA/QC Report

October 07, 2020

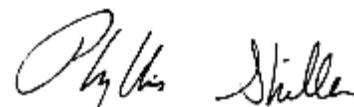
QA/QC Data

SDG I.D.: GCG52615

Parameter	Blk ppbv	Blk RL ppbv	Blk ug/m3	Blk RL ug/m3	LCS %	LCSD %	Sample Result ug/m3	Sample Dup ug/m3	Sample Result ppbv	Sample Dup ppbv	DUP RPD	% Rec Limits	% RPD Limits
QA/QC Batch 547927 (ppbv), QC Sample No: CG52615 (CG52615, CG52616, CG52617, CG52618, CG52619, CG52620, CG52621, CG52622, CG52623, CG52624, CG52625, CG52626)													
Volatiles													
1,1,1-Trichloroethane	ND	0.200	ND	1.09	102	102	ND	ND	ND	ND	NC	70 - 130	25
1,1-Dichloroethene	ND	0.050	ND	0.20	103	102	ND	ND	ND	ND	NC	70 - 130	25
1,2,4-Trichlorobenzene	ND	0.250	ND	1.85	88	85	ND	ND	ND	ND	NC	70 - 130	25
1,2-Dichlorobenzene	ND	0.150	ND	0.90	106	105	ND	ND	ND	ND	NC	70 - 130	25
1,3-Dichlorobenzene	ND	0.150	ND	0.90	101	108	ND	ND	ND	ND	NC	70 - 130	25
1,4-Dichlorobenzene	ND	0.150	ND	0.90	116	105	ND	ND	ND	ND	NC	70 - 130	25
Acetone	ND	1.00	ND	2.37	104	103	12.7	12.5	5.33	5.27	1.1	70 - 130	25
Benzene	ND	0.050	ND	0.16	104	104	0.47	0.48	0.146	0.150	NC	70 - 130	25
Carbon Tetrachloride	ND	0.020	ND	0.13	102	101	0.40	0.41	0.064	0.065	NC	70 - 130	25
Chlorobenzene	ND	0.200	ND	0.92	102	102	ND	ND	ND	ND	NC	70 - 130	25
Cis-1,2-Dichloroethene	ND	0.050	ND	0.20	105	105	ND	ND	ND	ND	NC	70 - 130	25
Dichlorodifluoromethane	ND	0.200	ND	0.99	101	98	2.01	1.87	0.407	0.379	NC	70 - 130	25
Ethylbenzene	ND	0.150	ND	0.65	109	108	ND	ND	ND	ND	NC	70 - 130	25
m,p-Xylene	ND	0.150	ND	0.65	112	111	ND	ND	ND	ND	NC	70 - 130	25
Methylene Chloride	ND	0.400	ND	1.39	98	98	ND	ND	ND	ND	NC	70 - 130	25
o-Xylene	ND	0.150	ND	0.65	109	107	ND	ND	ND	ND	NC	70 - 130	25
Tetrachloroethene	ND	0.100	ND	0.68	103	103	ND	ND	ND	ND	NC	70 - 130	25
Toluene	ND	0.200	ND	0.75	108	107	0.87	0.87	0.232	0.230	NC	70 - 130	25
Trichloroethene	ND	0.037	ND	0.20	102	102	ND	ND	ND	ND	NC	70 - 130	25
Trichlorofluoromethane	ND	0.150	ND	0.84	102	102	6.91	6.91	1.23	1.23	0.0	70 - 130	25
Trichlorotrifluoroethane	ND	0.150	ND	1.15	101	100	ND	ND	ND	ND	NC	70 - 130	25
Vinyl Chloride	ND	0.020	ND	0.05	106	107	ND	ND	ND	ND	NC	70 - 130	25
% Bromofluorobenzene	98	%	98	%	102	101	99	99	99	99	NC	70 - 130	25
% IS-1,4-Difluorobenzene	101	%	101	%	104	105	99	99	99	99	NC	60 - 140	25
% IS-Bromochloromethane	101	%	101	%	105	106	100	100	100	100	NC	60 - 140	25
% IS-Chlorobenzene-d5	100	%	100	%	112	113	99	99	99	99	NC	60 - 140	25

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


Phyllis Shiller, Laboratory Director
October 07, 2020

Sample Criteria Exceedances Report

GCG52615 - WALDENE-IPARK

Criteria: None

State: NY

SampNo	Acode	Phoenix Analyte	Criteria	Result	RL	Criteria	RL Criteria	Analysis Units

*** No Data to Display ***

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.



Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045

Individual Canister Certification

October 07, 2020

Sample Information

Matrix: AIR
Canister Id: 18258
Certification Date: 06/24/20 6:44 PM
Data File: H:\AIR2020\CHEM20\06JUN\24\0624_12.D\0624_12-20_AIR_0615.rr
Project ID: IPARK 0018.44 POWERHOUSE GYM
Client ID: IA-7 (MEZZANINE)

SDG ID: GCG52615
Phoenix ID: CG52615

Analyte	Result (ppbv)	Analyte	Result (ppbv)
1,1,1-Trichloroethane	<0.20	1,1-Dichloroethene	<0.05
1,2,4-Trichlorobenzene	<0.25	1,2-Dichlorobenzene	<0.15
1,3-Dichlorobenzene	<0.15	1,4-Dichlorobenzene	<0.15
Acetone	<1.0	Benzene	<0.050
Carbon Tetrachloride	<0.02	Chlorobenzene	<0.20
Cis-1,2-Dichloroethene	<0.05	Dichlorodifluoromethane	<0.20
Ethylbenzene	<0.15	m,p-Xylene	<0.15
Methylene Chloride	<0.40	o-Xylene	<0.15
Tetrachloroethene	<0.10	Toluene	<0.20
Trichloroethene	<0.037	Trichlorofluoromethane	<0.15
Trichlorotrifluoroethane	<0.15	Vinyl Chloride	<0.02



Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045

Individual Canister Certification

October 07, 2020

Sample Information

Matrix: AIR

Canister Id: 23336

Certification Date: 06/24/20 6:05 PM

Data File: H:\AIR2020\CHEM20\06JUN\24\0624_11.D\0624_11-20_AIR_0615.rr

Project ID: IPARK 0018.44 POWERHOUSE GYM

Client ID: AA-1 (AMBIENT AIR)

SDG ID: GCG52615

Phoenix ID: CG52616

Analyte	Result (ppbv)	Analyte	Result (ppbv)
1,1,1-Trichloroethane	<0.20	1,1-Dichloroethene	<0.05
1,2,4-Trichlorobenzene	<0.25	1,2-Dichlorobenzene	<0.15
1,3-Dichlorobenzene	<0.15	1,4-Dichlorobenzene	<0.15
Acetone	<1.0	Benzene	<0.050
Carbon Tetrachloride	<0.02	Chlorobenzene	<0.20
Cis-1,2-Dichloroethene	<0.05	Dichlorodifluoromethane	<0.20
Ethylbenzene	<0.15	m,p-Xylene	<0.15
Methylene Chloride	<0.40	o-Xylene	<0.15
Tetrachloroethene	<0.10	Toluene	<0.20
Trichloroethene	<0.037	Trichlorofluoromethane	<0.15
Trichlorotrifluoroethane	<0.15	Vinyl Chloride	<0.02



Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045

Individual Canister Certification

October 07, 2020

Sample Information

Matrix: AIR
Canister Id: 13638
Certification Date: 06/24/20 11:55 PM
Data File: H:\AIR2020\CHEM20\06JUN\24\0624_20.D\0624_20-20_AIR_0615.rr
Project ID: IPARK 0018.44 POWERHOUSE GYM
Client ID: IA-8 (MEN'S LOCKER ROOM)

SDG ID: GCG52615
Phoenix ID: CG52617

Analyte	Result (ppbv)	Analyte	Result (ppbv)
1,1,1-Trichloroethane	<0.20	1,1-Dichloroethene	<0.05
1,2,4-Trichlorobenzene	<0.25	1,2-Dichlorobenzene	<0.15
1,3-Dichlorobenzene	<0.15	1,4-Dichlorobenzene	<0.15
Acetone	<1.0	Benzene	<0.050
Carbon Tetrachloride	<0.02	Chlorobenzene	<0.20
Cis-1,2-Dichloroethene	<0.05	Dichlorodifluoromethane	<0.20
Ethylbenzene	<0.15	m,p-Xylene	<0.15
Methylene Chloride	<0.40	o-Xylene	<0.15
Tetrachloroethene	<0.10	Toluene	<0.20
Trichloroethene	<0.037	Trichlorofluoromethane	<0.15
Trichlorotrifluoroethane	<0.15	Vinyl Chloride	<0.02



Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045

Individual Canister Certification

October 07, 2020

Sample Information

Matrix: AIR
Canister Id: 28556
Certification Date: 07/11/20 5:59 AM
Data File: H:\AIR2020\CHEM20\07JUL10\0710_30.D\0710_30-20_AIR_0710.rr
Project ID: IPARK 0018.44 POWERHOUSE GYM
Client ID: IA-6 (CARDIO)

SDG ID: GCG52615
Phoenix ID: CG52618

Analyte	Result (ppbv)	Analyte	Result (ppbv)
1,1,1-Trichloroethane	<0.20	1,1-Dichloroethene	<0.05
1,2,4-Trichlorobenzene	<0.25	1,2-Dichlorobenzene	<0.15
1,3-Dichlorobenzene	<0.15	1,4-Dichlorobenzene	<0.15
Acetone	<1.0	Benzene	<0.050
Carbon Tetrachloride	<0.02	Chlorobenzene	<0.20
Cis-1,2-Dichloroethene	<0.05	Dichlorodifluoromethane	<0.20
Ethylbenzene	<0.15	m,p-Xylene	<0.15
Methylene Chloride	<0.40	o-Xylene	<0.15
Tetrachloroethene	<0.10	Toluene	<0.20
Trichloroethene	<0.037	Trichlorofluoromethane	<0.15
Trichlorotrifluoroethane	<0.15	Vinyl Chloride	<0.02



Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045

Individual Canister Certification

October 07, 2020

Sample Information

Matrix: AIR

Canister Id: 28565

Certification Date: 06/24/20 5:26 PM

Data File: H:\AIR2020\CHEM20\06JUN\24\0624_10.D\0624_10-20_AIR_0615.rr

Project ID: IPARK 0018.44 POWERHOUSE GYM

Client ID: IA-DUP

SDG ID: GCG52615

Phoenix ID: CG52619

Analyte	Result (ppbv)	Analyte	Result (ppbv)
1,1,1-Trichloroethane	<0.20	1,1-Dichloroethene	<0.05
1,2,4-Trichlorobenzene	<0.25	1,2-Dichlorobenzene	<0.15
1,3-Dichlorobenzene	<0.15	1,4-Dichlorobenzene	<0.15
Acetone	<1.0	Benzene	<0.050
Carbon Tetrachloride	<0.02	Chlorobenzene	<0.20
Cis-1,2-Dichloroethene	<0.05	Dichlorodifluoromethane	<0.20
Ethylbenzene	<0.15	m,p-Xylene	<0.15
Methylene Chloride	<0.40	o-Xylene	<0.15
Tetrachloroethene	<0.10	Toluene	<0.20
Trichloroethene	<0.037	Trichlorofluoromethane	<0.15
Trichlorotrifluoroethane	<0.15	Vinyl Chloride	<0.02



Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045

Individual Canister Certification

October 07, 2020

Sample Information

Matrix: AIR

Canister Id: 28566

Certification Date: 07/11/20 6:38 AM

Data File: H:\AIR2020\CHEM20\07JUL10\0710_31.D\0710_31-20_AIR_0710.rr

Project ID: IPARK 0018.44 POWERHOUSE GYM

Client ID: IA-1 (ENTRY HALLWAY)

SDG ID: GCG52615

Phoenix ID: CG52620

Analyte	Result (ppbv)	Analyte	Result (ppbv)
1,1,1-Trichloroethane	<0.20	1,1-Dichloroethene	<0.05
1,2,4-Trichlorobenzene	<0.25	1,2-Dichlorobenzene	<0.15
1,3-Dichlorobenzene	<0.15	1,4-Dichlorobenzene	<0.15
Acetone	<1.0	Benzene	<0.050
Carbon Tetrachloride	<0.02	Chlorobenzene	<0.20
Cis-1,2-Dichloroethene	<0.05	Dichlorodifluoromethane	<0.20
Ethylbenzene	<0.15	m,p-Xylene	<0.15
Methylene Chloride	<0.40	o-Xylene	<0.15
Tetrachloroethene	<0.10	Toluene	<0.20
Trichloroethene	<0.037	Trichlorofluoromethane	<0.15
Trichlorotrifluoroethane	<0.15	Vinyl Chloride	<0.02



Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045

Individual Canister Certification

October 07, 2020

Sample Information

Matrix: AIR
Canister Id: 19628
Certification Date: 07/11/20 10:30 AM
Data File: H:\AIR2020\CHEM20\07JUL10\0710_37.D\0710_37-20_AIR_0710.rr
Project ID: IPARK 0018.44 POWERHOUSE GYM
Client ID: IA-2 (RECEPTION AREA)

SDG ID: GCG52615
Phoenix ID: CG52621

Analyte	Result (ppbv)	Analyte	Result (ppbv)
1,1,1-Trichloroethane	<0.20	1,1-Dichloroethene	<0.05
1,2,4-Trichlorobenzene	<0.25	1,2-Dichlorobenzene	<0.15
1,3-Dichlorobenzene	<0.15	1,4-Dichlorobenzene	<0.15
Acetone	<1.0	Benzene	<0.050
Carbon Tetrachloride	<0.02	Chlorobenzene	<0.20
Cis-1,2-Dichloroethene	<0.05	Dichlorodifluoromethane	<0.20
Ethylbenzene	<0.15	m,p-Xylene	<0.15
Methylene Chloride	<0.40	o-Xylene	<0.15
Tetrachloroethene	<0.10	Toluene	<0.20
Trichloroethene	<0.037	Trichlorofluoromethane	<0.15
Trichlorotrifluoroethane	<0.15	Vinyl Chloride	<0.02



Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045

Individual Canister Certification

October 07, 2020

Sample Information

Matrix: AIR

Canister Id: 23329

Certification Date: 06/24/20 7:23 PM

Data File: H:\AIR2020\CHEM20\06JUN\24\0624_13.D\0624_13-20_AIR_0615.rr

Project ID: IPARK 0018.44 POWERHOUSE GYM

Client ID: IA-4 (MAIN EQUIPMENT AREA)

SDG ID: GCG52615

Phoenix ID: CG52622

Analyte	Result (ppbv)	Analyte	Result (ppbv)
1,1,1-Trichloroethane	<0.20	1,1-Dichloroethene	<0.05
1,2,4-Trichlorobenzene	<0.25	1,2-Dichlorobenzene	<0.15
1,3-Dichlorobenzene	<0.15	1,4-Dichlorobenzene	<0.15
Acetone	<1.0	Benzene	<0.050
Carbon Tetrachloride	<0.02	Chlorobenzene	<0.20
Cis-1,2-Dichloroethene	<0.05	Dichlorodifluoromethane	<0.20
Ethylbenzene	<0.15	m,p-Xylene	<0.15
Methylene Chloride	<0.40	o-Xylene	<0.15
Tetrachloroethene	<0.10	Toluene	<0.20
Trichloroethene	<0.037	Trichlorofluoromethane	<0.15
Trichlorotrifluoroethane	<0.15	Vinyl Chloride	<0.02



Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045

Individual Canister Certification

October 07, 2020

Sample Information

Matrix: AIR
Canister Id: 28608
Certification Date: 06/24/20 8:02 PM
Data File: H:\AIR2020\CHEM20\06JUN\24\0624_14.D\0624_14-20_AIR_0615.rr
Project ID: IPARK 0018.44 POWERHOUSE GYM
Client ID: IA-3 (TRAINERS TURF)

SDG ID: GCG52615
Phoenix ID: CG52624

Analyte	Result (ppbv)	Analyte	Result (ppbv)
1,1,1-Trichloroethane	<0.20	1,1-Dichloroethene	<0.05
1,2,4-Trichlorobenzene	<0.25	1,2-Dichlorobenzene	<0.15
1,3-Dichlorobenzene	<0.15	1,4-Dichlorobenzene	<0.15
Acetone	<1.0	Benzene	<0.050
Carbon Tetrachloride	<0.02	Chlorobenzene	<0.20
Cis-1,2-Dichloroethene	<0.05	Dichlorodifluoromethane	<0.20
Ethylbenzene	<0.15	m,p-Xylene	<0.15
Methylene Chloride	<0.40	o-Xylene	<0.15
Tetrachloroethene	<0.10	Toluene	<0.20
Trichloroethene	<0.037	Trichlorofluoromethane	<0.15
Trichlorotrifluoroethane	<0.15	Vinyl Chloride	<0.02



Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045

Individual Canister Certification

October 07, 2020

Sample Information

Matrix: AIR

Canister Id: 490

Certification Date: 07/11/20 2:07 AM

Data File: H:\AIR2020\CHEM20\07JUL10\0710_24.D\0710_24-20_AIR_0710.rr

Project ID: IPARK 0018.44 POWERHOUSE GYM

Client ID: IA-5 (LEG STUDIO)

SDG ID: GCG52615

Phoenix ID: CG52625

Analyte	Result (ppbv)	Analyte	Result (ppbv)
1,1,1-Trichloroethane	<0.20	1,1-Dichloroethene	<0.05
1,2,4-Trichlorobenzene	<0.25	1,2-Dichlorobenzene	<0.15
1,3-Dichlorobenzene	<0.15	1,4-Dichlorobenzene	<0.15
Acetone	<1.0	Benzene	<0.050
Carbon Tetrachloride	<0.02	Chlorobenzene	<0.20
Cis-1,2-Dichloroethene	<0.05	Dichlorodifluoromethane	<0.20
Ethylbenzene	<0.15	m,p-Xylene	<0.15
Methylene Chloride	<0.40	o-Xylene	<0.15
Tetrachloroethene	<0.10	Toluene	<0.20
Trichloroethene	<0.037	Trichlorofluoromethane	<0.15
Trichlorotrifluoroethane	<0.15	Vinyl Chloride	<0.02



Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045

Individual Canister Certification

October 07, 2020

Sample Information

Matrix: AIR

Canister Id: 9544

Certification Date: 07/11/20 2:45 AM

Data File: H:\AIR2020\CHEM20\07JUL10\0710_25.D\0710_25-20_AIR_0710.rr

Project ID: IPARK 0018.44 POWERHOUSE GYM

Client ID: FB-01

SDG ID: GCG52615

Phoenix ID: CG52626

Analyte	Result (ppbv)	Analyte	Result (ppbv)
1,1,1-Trichloroethane	<0.20	1,1-Dichloroethene	<0.05
1,2,4-Trichlorobenzene	<0.25	1,2-Dichlorobenzene	<0.15
1,3-Dichlorobenzene	<0.15	1,4-Dichlorobenzene	<0.15
Acetone	<1.0	Benzene	<0.050
Carbon Tetrachloride	<0.02	Chlorobenzene	<0.20
Cis-1,2-Dichloroethene	<0.05	Dichlorodifluoromethane	<0.20
Ethylbenzene	<0.15	m,p-Xylene	<0.15
Methylene Chloride	<0.40	o-Xylene	<0.15
Tetrachloroethene	<0.10	Toluene	<0.20
Trichloroethene	<0.037	Trichlorofluoromethane	<0.15
Trichlorotrifluoroethane	<0.15	Vinyl Chloride	<0.02

WCIP 2-7

CHAIN OF CUSTODY RECORD
AIR ANALYSES

P.O. # iPark0118-44 Page 1 of 2



800-827-5426
email: greg@phoenixlabs.com

Data Delivery:
☐ Fax #:
☐ Email: n.brewer@water-associates.com
☐ Phone #:

Report to: Erica	Project Name: iPark0118-44 - Pomegranate Gym	Data Format: Excel	Other: PDF														
Customer: Walden Env.	Invoice to: Carl Monheit - iPark	Requested Deliverable: RCP	ASP CAT														
Address: 16 Spring Street Oyster Bay NY 11771	Sampled by: Erica Johnson	MCP	NJ Deliverables														
Quote Number:																	
Phoenix ID #	Client Sample ID	Canister ID #	Canister Size (L)	Outgoing Canister Pressure (in Hg)	Incoming Canister Pressure (in Hg)	Flow Regulator ID #	Flow Controller Setting (ml/min)	Sampling Start Time	Sampling End Time	Sample Start Date	Canister Pressure at Start (in Hg)	Canister Pressure at End (in Hg)	Ambient/Indoor Air	Soil Gas	Grab (G) Composite (C)	TO-15	APH
52615	IA-7 (mezzanine)	10258	6.0	-30	-8	5592	10.8	8:45	15:37	8/11/20	-30	-8	X	X	X	X	
52616	AA-1 (garment ar)	23336			-10	4490		8:58	15:39	8/11/20	-30	-9.5	X	X	X	X	
52617	IA-8 (men's locker room)	13638			-9	5597		9:00	15:40	8/11/20	-29	-8	X	X	X	X	
52618	IA-6 (cardio room)	19854				4976		8:45	15:07	8/11/20	-30	-9	X	X	X	X	
52619	IA-Dug	20565			-6	5385		8:42	15:03	8/11/20	-30	-8					
52620	IA-1 (entry hallway)	20566			-9	7036		9:07	15:45	8/11/20	-30	-9	X	X	X	X	
52621	* DG not analyzed	494				7007											
52622	IA-2 (reception area)	19628			-8	5352		8:56	15:30	8/11/20	-30	-9	X	X	X	X	
Relinquished by: Kew Wupf		Accepted by: [Signature]	Date: 8-13-20	Time: 12:45	I attest that all media released by Phoenix Environmental Laboratories, Inc. have been received in good working condition and agree to the terms and conditions as listed on the back of this document.												
State Where Samples Collected: NY		Requested Criteria: TAC I/C, TAC RES, SWVC I/C, SWVC RES, GWV I/C, GWV RES	Turnaround Time: 1 Day, 2 Day, 3 Day, 4 Day, 5 Day	Requested Criteria: MA: Indoor Air, Residential; Ind/Commercial; Soil Gas; Residential; Ind/Commercial	NI: Indoor Air, Residential; Ind/Commercial; Soil Gas; Residential; Ind/Commercial	NY: Indoor Air, Residential; Ind/Commercial; Soil Gas; Residential; Ind/Commercial	PA: Indoor Air, Residential; Ind/Commercial; Soil Gas; Residential; Ind/Commercial	VT: Indoor Air, Residential; Ind/Commercial; Soil Gas; Residential; Ind/Commercial									
SPECIAL INSTRUCTIONS, QC REQUIREMENTS, REGULATORY INFORMATION: TO-15 "Spec 1" code not needed. See (10) (604) Bobbie/Greg Modified TO-15 analysis (8hr) per project CAP.																	

WCLP 2-7

CHAIN OF CUSTODY RECORD
AIR ANALYSES

P.O. # : Park 0118-44 Page 2 of 2

PHOENIX
Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O. Box 370, Manchester, CT 06040
Telephone: 860/645-1102 • Fax: 860/645-0823

800-827-5426
email: greg@phoenixlabs.com

Data Delivery:

☐ Fax #:
☒ Email: nbrown@wclan-asth.com
☒ Phone #: 516-624-7200

Report to:	Erica	Project Name:	Park 0118-44 - Parkhouse gym	Date:	(Circle) Equis	Other:	(PDF)								
Customer:	Walden Env.	Invoice to:	Carl Monheit - Park	Requested Deliverable:	RCP	ASP CATs									
Address:	16 Spring St	Sampled by:	Erica Johnston	Quote Number:	MCP	NJ Deliverables									
	Oyster Bay, NY 11771														
Phoenix ID #	Client Sample ID	Canister ID #	Outgoing Canister Pressure (in Hg)	Incoming Canister Pressure (in Hg)	Flow Regulator ID #	Flow Controller Setting (ml/min)	Sampling Start Time	Sampling End Time	Sample Start Date	Canister Pressure at Start (in Hg)	Canister Pressure at End (in Hg)	Soil Gas	Grab (C) Composite (C)	TO-15	ANALYSES
52622		9767	6.0 -30		3011	10.8									
52623	IA-4 (main equipment area)	23329		-9	6593		8:41	15:01	8/11/20	-30	-9	X	X	X	
	IA-9 (mixed use studio)	28551		-8	6395		8:49	15:25	8/11/20	-30	-9	X	X	X	
		28623			7020										
		11297			3510										
		471			3502										
		19859			7027										
52624	IA-3 (trainer's turf)	28608		-7	6390		8:38	15:30	8/11/20	-30	-9	X	X	X	
52625	IA-5 (leg studio)	490		-7	3506		8:44	15:40	8/11/20	-30	-9	X	X	X	
52626	FB-01	9544		-7	3266		10:43	11:05	8/11/20	-29	-7	X	X	X	
Relinquished by:	Accepted by:	Date:	8-12-20	Time:	12:45	Signature:	1716	Date:	8/11/20						
State Where Samples Collected:	NY	Requested Criteria:	MA	Indoor Air: Residential	Indoor Air: Residential	Indoor Air: Residential	Indoor Air: Residential	Indoor Air: Residential	Indoor Air: Residential	Indoor Air: Residential	Indoor Air: Residential	Indoor Air: Residential	Indoor Air: Residential	Indoor Air: Residential	Indoor Air: Residential
SPECIAL INSTRUCTIONS, QC REQUIREMENTS, REGULATORY INFORMATION: TO-15 "Special code book" needed. 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NY ANALYTICAL SERVICES PROTOCOL
DATA PACKAGE

Client: Walden Environmental Engineering PLLC

IPARK 0018.44 POWERHOUSE GYM

Laboratory Project: GCG52615

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 MDL
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.



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



SDG: GCG52615

Volatile Air Conformance / Non-Conformance Summary

Project ID / Client ID: IPARK 0018.44 POWERHOUSE GYM, Walden Environmental Engineering PLLC

Form 1 (Analysis):

No observations noted.

Form 2 (Surrogates):

All surrogates met criteria with the following exceptions: None.

Form 3 (Laboratory Control/Matrix Spike):

Sample: CG52615 LCS
All LCS recoveries met criteria with the following exceptions: None.

Form 4 (Method Blank):

File: CHEM20 0812_07.D
All compounds were non-detect with the following exceptions: None,

Form 5 (Tune):

File: CHEM20 0811_03.D
All Tune criteria was met with the following exceptions: None.

File: CHEM20 0812_02.D
All Tune criteria was met with the following exceptions: None.

Form 6 (Initial Calibration):

Calibration: CHEM20 08/11/20 - 08/11/20
100% of method compounds met criteria.
The following compounds did not meet maximum % deviations: None.

Calibration: CHEM20 08/11/20 - 08/11/20
100% of method compounds met criteria.
The following compounds did not meet maximum % deviations: None.

Form 7 (Continuing Calibration):

File: CHEM20 0812_02.D (Opening)
100% of method compounds met criteria.
The following compounds did not meet maximum % deviations: None.

Form 8 (Internal Standard and Retention Time):

File: CHEM20 - 20_AIR_0812_WALDEN.M / 0812_02.D Full
All samples met internal standard area and retention time criteria with the following exceptions: None.



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SDG: GCG52615

Volatile Air Conformance / Non-Conformance Summary

Project ID / Client ID: IPARK 0018.44 POWERHOUSE GYM, Walden Environmental Engineering PLLC

File: CHEM20 - 20_AIR_0812_WALDEN.M / 0812_02.D Sim

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

10/03/20

Alejandro Paredes
Project Manager

Lab Name:	Phoenix Environmental Labs	Client:	WALDENE-IPARK
Lab Code:	Phoenix	Case No.:	SDG: GCG52615
QC Batch Id:	547927	QC Sample Id:	CG52615

	CLIENT ID	LAB ID	SMC1 BFB #				TOT OUT
01	CG52615 LCS	CG52615 LCS	102				0
02	CG52615 LCSD	CG52615 LCSD	101				0
03	CG52615 BLANK	CG52615 BLANK	98				0
04	IA-7 (MEZZANINE)	CG52615	99				0
05	IA-7 (MEZZANINE) DUP	CG52615 DUP	99				0
06	AA-1 (AMBIENT AIR)	CG52616	99				0
07	IA-8 (MEN`S LOCKER ROOM)	CG52617	99				0
08	IA-6 (CARDIO)	CG52618	98				0
09	IA-DUP	CG52619	98				0
10	IA-1 (ENTRY HALLWAY)	CG52620	100				0
11	IA-2 (RECEPTION AREA)	CG52621	99				0
12	IA-4 (MAIN EQUIPMENT AREA)	CG52622	100				0
13	IA-9 (MIXED USE STUDIO)	CG52623	100				0
14	IA-3 (TRAINERS TURF)	CG52624	100				0
15	IA-5 (LEG STUDIO)	CG52625	99				0
16	FB-01	CG52626	103				0
17							
18							
19							
20							
21							
22							
23							
24							
25							
26							
27							
28							
29							
30							

SMC1	BFB	Bromofluorobenzene	<u>QC LIMITS</u> (70-130)

Column to be used to flag recovery values
* Values outside of contract required QC limits
D Surrogate diluted out

Page 54 of 235

4A
AIR METHOD BLANK SUMMARY

Client ID

CG52615 BLANK

Lab Name: Phoenix Environmental Labs

Client: WALDENE-IPARK

Lab Code: Phoenix Case No.: _____

SAS No.: _____

SDG No.: GCG52615

Lab File ID: 0812_07.D

Lab Sample ID: CG52615 BLK

Date Analyzed: 08/12/2020

Time Analyzed: 17:54

GC Column: RTX-1 60M

Lab Batch ID: 547927

Instrument ID: CHEM20

Heated Purge:(Y/N) Y

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

	CLIENT SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
01	CG52615 LCS	CG52615 LCS	0812_04.D	16:07
02	CG52615 LCSD	CG52615 LCSD	0812_05.D	16:45
03	IA-7 (MEZZANINE)	CG52615	0812_08.D	19:28
04	IA-7 (MEZZANINE) DUP	CG52615 DUP	0812_09.D	20:09
05	AA-1 (AMBIENT AIR)	CG52616	0812_10.D	20:50
06	IA-8 (MEN'S LOCKER ROOM)	CG52617	0812_11.D	21:31
07	IA-6 (CARDIO)	CG52618	0812_12.D	22:13
08	IA-DUP	CG52619	0812_13.D	22:53
09	IA-1 (ENTRY HALLWAY)	CG52620	0812_14.D	23:34
10	IA-2 (RECEPTION AREA)	CG52621	0812_15.D	00:15
11	IA-4 (MAIN EQUIPMENT AREA)	CG52622	0812_16.D	00:56
12	IA-9 (MIXED USE STUDIO)	CG52623	0812_17.D	01:37
13	IA-3 (TRAINERS TURF)	CG52624	0812_18.D	02:18
14	IA-5 (LEG STUDIO)	CG52625	0812_19.D	02:58
15	FB-01	CG52626	0812_20.D	03:39
16				
17				
18				
19				
20				

COMMENTS:

FORM IV AIR

5B
AIR INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: Phoenix Environmental Labs

Client: WALDENE-IPARK

Lab Code: Phoenix Case No.: _____

SAS No.: _____

SDG No.: GCG52615

Lab File ID: 0811_03.D

BFB Injection Date: 08/11/20

Instrument ID: CHEM20

BFB Injection Time: 11:01

GC Column: RTX-1 60M

Heated Purge: (Y/N) Y

AutoFind: Scans 799, 800, 801; Background Corrected with Scan 794

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	8.0 - 40.0% of mass 95	17.6
75	30.0 - 66.0% of mass 95	45.9
95	Base Peak, 100% relative abundance	100.0
96	5.0 - 9.0% of mass 95	6.8
173	Less than 2.0% of mass 174	0.2 (0.2)1
174	50.0 - 120.0% of mass 95	103.0
175	4.0 - 9.0% of mass 174	7.5 (7.8)1
176	93.0 - 101.0% of mass 174	99.4 (102.0)1
177	5.0 - 9.0% of mass 176	6.6 (6.8)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 0.02	0.02	0811_04.D	08/11/20	11:37	
02	ICAL 0.035	0.035	0811_05.D	08/11/20	12:13	
03	ICAL 0.05	0.05	0811_06.D	08/11/20	12:49	
04	ICAL 0.1	0.10	0811_07.D	08/11/20	13:26	
05	ICAL 0.2	0.2	0811_08.D	08/11/20	14:02	
06	ICAL 0.5	0.50	0811_09.D	08/11/20	14:41	
07	ICAL 2.5	2.5	0811_10.D	08/11/20	15:19	
08	ICAL 5	5.0	0811_11.D	08/11/20	15:55	
09	ICAL 25	25	0811_12.D	08/11/20	16:33	
10	ICAL 40	40	0811_13.D	08/11/20	17:13	
11	ICAL 1	1	0811_15.D	08/11/20	18:24	
12	ICAL 10	10	0811_16.D	08/11/20	19:01	
13						
14						
15						
16						
17						
18						
19						
20						
21						
22						
23						
24						
25						

(*) Outside 24 hr clock

FORM V AIR

CLPBFB

Data Path : H:\AIR2020\CHEM20\08AUG\11\
 Data File : 0811_03.D
 Acq On : 11 Aug 2020 11:01 am
 Operator :
 Sample : 0/0
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

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

Method : H:\AIR2020\CHEM20\METHODS\20_AIR_0812.M
 Title : VOA Standards for 5 point calibration
 Last Update : Wed Aug 12 11:43:18 2020

AutoFind: Scans 799, 800, 801; Background Corrected with Scan 794

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	8	40	17.6	27928	PASS
75	95	30	66	45.9	72792	PASS
95	95	100	100	100.0	158581	PASS
96	95	5	9	6.8	10769	PASS
173	174	0.00	2	0.2	377	PASS
174	95	50	120	103.1	163445	PASS
175	174	4	9	7.5	12328	PASS
176	174	93	101	99.4	162432	PASS
177	176	5	9	6.6	10732	PASS

20_AIR_0812.M Wed Aug 12 11:43:56 2020

5B
AIR INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: Phoenix Environmental Labs

Client: WALDENE-IPARK

Lab Code: Phoenix Case No.: _____

SAS No.: _____

SDG No.: GCG52615

Lab File ID: 0812_02.D

BFB Injection Date: 08/12/20

Instrument ID: CHEM20

BFB Injection Time: 14:52

GC Column: RTX-1 60M

Heated Purge: (Y/N) Y

Spectrum Information: Tune, Scan 799; with background subtraction.

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	8.0 - 40.0% of mass 95	20.3
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	7.3
173	Less than 2.0% of mass 174	0.0 (0.0)1
174	50.0 - 120.0% of mass 95	88.4
175	4.0 - 9.0% of mass 174	8.3 (7.3)1
176	93.0 - 101.0% of mass 174	99.1 (87.6)1
177	5.0 - 9.0% of mass 176	7.2 (6.3)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	CCAL 1	1.0ppb cc	0812_02.D	08/12/20	14:52	
02	CG52615 LCS	CG52615 LCS	0812_04.D	08/12/20	16:07	
03	CG52615 LCSD	CG52615 LCSD	0812_05.D	08/12/20	16:45	
04	CG52615 BLANK	CG52615 BLANK	0812_07.D	08/12/20	17:54	
05	IA-7 (MEZZANINE)	CG52615	0812_08.D	08/12/20	19:28	
06	IA-7 (MEZZANINE) DUP	CG52615 DUP	0812_09.D	08/12/20	20:09	
07	AA-1 (AMBIENT AIR)	CG52616	0812_10.D	08/12/20	20:50	
08	IA-8 (MEN'S LOCKER ROOM)	CG52617	0812_11.D	08/12/20	21:31	
09	IA-6 (CARDIO)	CG52618	0812_12.D	08/12/20	22:13	
10	IA-DUP	CG52619	0812_13.D	08/12/20	22:53	
11	IA-1 (ENTRY HALLWAY)	CG52620	0812_14.D	08/12/20	23:34	
12	IA-2 (RECEPTION AREA)	CG52621	0812_15.D	08/13/20	00:15	
13	IA-4 (MAIN EQUIPMENT AREA)	CG52622	0812_16.D	08/13/20	00:56	
14	IA-9 (MIXED USE STUDIO)	CG52623	0812_17.D	08/13/20	01:37	
15	IA-3 (TRAINERS TURF)	CG52624	0812_18.D	08/13/20	02:18	
16	IA-5 (LEG STUDIO)	CG52625	0812_19.D	08/13/20	02:58	
17	FB-01	CG52626	0812_20.D	08/13/20	03:39	
18						
19						
20						
21						
22						
23						
24						
25						

(*) Outside 24 hr clock

FORM V AIR

CLPBFB

Data Path : H:\AIR2020\CHEM20\08AUG\12\
 Data File : 0812_02.D
 Acq On : 12 Aug 2020 2:52 pm
 Operator :
 Sample : 1.0ppb cc
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

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

Method : H:\AIR2020\CHEM20\METHODS\20_AIR_0812.M
 Title : VOA Standards for 5 point calibration
 Last Update : Wed Aug 12 11:43:18 2020

Spectrum Information: Scan 799

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	8	40	20.3	20288	PASS
75	95	30	66	47.0	47080	PASS
95	95	100	100	100.0	100096	PASS
96	95	5	9	7.3	7304	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	120	88.4	88440	PASS
175	174	4	9	8.3	7330	PASS
176	174	93	101	99.1	87648	PASS
177	176	5	9	7.2	6350	PASS

20_AIR_0812.M Thu Aug 13 08:07:20 2020

8A
AIR INTERNAL STANDARD AREA AND RT SUMMARY
Full Scan

Lab Name: Phoenix Environmental Labs Client: WALDENE-IPARK
 Lab Code: Phoenix Case No.: _____ SAS No.: _____ SDG No.: GCG52615
 Lab Method / File Id: 20_AIR_0812_WALDEN.M Date Analyzed: 08/11/20
 Instrument ID: CHEM20 Time Analyzed: _____
 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
12 HOUR STD	156068	6.75	563174	7.94	269382	10.48			Average
UPPER LIMIT	219275	7.08	791259	8.27	378481	10.81			Average
LOWER LIMIT	92860	6.42	335088	7.61	160282	10.15			Average
CLIENT ID									
01 ICAL 0.2	152161	6.75	554509	7.94	242779	10.48			0811_08.D
02 ICAL 0.5	151936	6.75	553296	7.94	245158	10.48			0811_09.D
03 ICAL 2.5	148695	6.76	546903	7.94	242533	10.48			0811_10.D
04 ICAL 5	153051	6.75	566449	7.94	259910	10.48			0811_11.D
05 ICAL 25	162440	6.76	574185	7.96	303439	10.48			0811_12.D
06 ICAL 40	169468	6.75	587019	7.94	336519	10.49			0811_13.D
07 ICAL 1	154521	6.75	563446	7.94	254075	10.48			0811_15.D
08 ICAL 10	156271	6.75	559581	7.94	270639	10.48			0811_16.D
09									
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: WALDENE-IPARK
 Lab Code: Phoenix Case No.: _____ SAS No.: _____ SDG No.: GCG52615
 Lab Method / File Id: 20_AIR_0812_WALDEN.M Date Analyzed: 08/11/20
 Instrument ID: CHEM20 Time Analyzed: _____
 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
12 HOUR STD	164817	6.75	627009	7.95	271719	10.49			Average
UPPER LIMIT	231567	7.08	880948	8.28	381765	10.82			Average
LOWER LIMIT	98066	6.42	373070	7.62	161673	10.16			Average
CLIENT ID									
01 ICAL 0.02	168102	6.75	639417	7.95	270701	10.49			0811_04.D
02 ICAL 0.035	166508	6.74	631591	7.94	268902	10.49			0811_05.D
03 ICAL 0.05	164535	6.75	621845	7.95	264863	10.49			0811_06.D
04 ICAL 0.1	164000	6.76	624832	7.95	265646	10.49			0811_07.D
05 ICAL 0.2	163340	6.75	617451	7.95	264208	10.49			0811_08.D
06 ICAL 0.5	163621	6.75	621094	7.95	265182	10.49			0811_09.D
07 ICAL 2.5	160447	6.75	613722	7.95	266080	10.49			0811_10.D
08 ICAL 5	165238	6.75	631145	7.95	281970	10.49			0811_11.D
09 ICAL 1	165571	6.75	637447	7.95	274746	10.49			0811_15.D
10 ICAL 10	166804	6.75	631548	7.95	294891	10.49			0811_16.D
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
Full Scan

Lab Name: Phoenix Environmental Labs Client: WALDENE-IPARK
 Lab Code: Phoenix Case No.: _____ SAS No.: _____ SDG No.: GCG52615
 Lab Method / File Id: 20_AIR_0812_WALDEN.M / 0812_02.D Date Analyzed: 08/12/20
 Instrument ID: CHEM20 Time Analyzed: 14:52
 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
12 HOUR STD	144189	6.74	533849	7.94	237054	10.48			0812_02.D
UPPER LIMIT	202586	7.07	750058	8.27	333061	10.81			0812_02.D
LOWER LIMIT	85792	6.41	317640	7.61	141047	10.15			0812_02.D
CLIENT ID									
01 CCAL 1	144189	6.74	533849	7.94	237054	10.48			0812_02.D
02 CG52615 LCS	152108	6.74	556572	7.94	264425	10.48			0812_04.D
03 CG52615 BLANK	146009	6.75	540259	7.94	237030	10.48			0812_07.D
04 IA-7 (MEZZANINE)	144435	6.75	528143	7.94	235788	10.48			0812_08.D
05 IA-7 (MEZZANINE) DUP	144341	6.75	530369	7.94	233614	10.48			0812_09.D
06 AA-1 (AMBIENT AIR)	144435	6.75	523107	7.94	232585	10.48			0812_10.D
07 IA-8 (MEN'S LOCKER ROOM)	142603	6.75	524044	7.94	231318	10.48			0812_11.D
08 IA-6 (CARDIO)	144899	6.75	528401	7.94	234092	10.48			0812_12.D
09 IA-DUP	144245	6.76	518104	7.94	230495	10.48			0812_13.D
10 IA-1 (ENTRY HALLWAY)	143051	6.76	519821	7.94	226008	10.48			0812_14.D
11 IA-2 (RECEPTION AREA)	140803	6.75	517086	7.94	230071	10.48			0812_15.D
12 IA-4 (MAIN EQUIPMENT AREA)	142456	6.75	514502	7.94	228424	10.48			0812_16.D
13 IA-9 (MIXED USE STUDIO)	141884	6.75	522334	7.94	227281	10.48			0812_17.D
14 IA-3 (TRAINERS TURF)	142267	6.75	509947	7.94	227778	10.48			0812_18.D
15 IA-5 (LEG STUDIO)	139918	6.75	503138	7.94	225430	10.48			0812_19.D
16 FB-01	143319	6.75	510063	7.94	232846	10.48			0812_20.D
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: WALDENE-IPARK
 Lab Code: Phoenix Case No.: _____ SAS No.: _____ SDG No.: GCG52615
 Lab Method / File Id: 20_AIR_0812_WALDEN.M / 0812_02.D Date Analyzed: 08/12/20
 Instrument ID: CHEM20 Time Analyzed: 14:52
 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
12 HOUR STD	157289	6.74	533658	7.94	237054	10.48			0812_02.D
UPPER LIMIT	220991	7.07	749789	8.27	333061	10.81			0812_02.D
LOWER LIMIT	93587	6.41	317527	7.61	141047	10.15			0812_02.D
CLIENT ID									
01 CCAL 1	157289	6.74	533658	7.94	237054	10.48			0812_02.D
02 CG52615 LCS	165444	6.74	556572	7.94	264425	10.48			0812_04.D
03 CG52615 BLANK	158834	6.75	540259	7.94	236918	10.48			0812_07.D
04 IA-7 (MEZZANINE)	156518	6.75	528151	7.94	235788	10.48			0812_08.D
05 IA-7 (MEZZANINE) DUP	156206	6.75	529706	7.94	233613	10.48			0812_09.D
06 AA-1 (AMBIENT AIR)	155697	6.75	523008	7.94	232585	10.48			0812_10.D
07 IA-8 (MEN'S LOCKER ROOM)	155223	6.75	523612	7.94	231034	10.48			0812_11.D
08 IA-6 (CARDIO)	156227	6.75	528287	7.94	234092	10.48			0812_12.D
09 IA-DUP	154396	6.76	517805	7.94	230494	10.48			0812_13.D
10 IA-1 (ENTRY HALLWAY)	153172	6.75	519155	7.94	226008	10.48			0812_14.D
11 IA-2 (RECEPTION AREA)	154227	6.75	516589	7.94	230071	10.48			0812_15.D
12 IA-4 (MAIN EQUIPMENT AREA)	153275	6.75	514115	7.94	228424	10.48			0812_16.D
13 IA-9 (MIXED USE STUDIO)	154548	6.75	522006	7.94	227281	10.48			0812_17.D
14 IA-3 (TRAINERS TURF)	153839	6.75	509736	7.94	227876	10.48			0812_18.D
15 IA-5 (LEG STUDIO)	152391	6.75	503138	7.94	225430	10.48			0812_19.D
16 FB-01	152000	6.75	509756	7.94	232846	10.48			0812_20.D
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

Client:	<u>WALDENE-IPARK</u>	Lab:	<u>Phoenix Env. Labs</u>
SDG No.:	<u>GCG52615</u>	Lab Sample ID:	<u>CG52615</u>
Canister:	<u>18258</u>	Lab File ID:	<u>0812_08.D</u>
Instrument:	<u>CHEM20</u>	Column:	<u>RTX-1 60M</u>
Purge Volume	<u>200</u> (cc)	Date Received:	<u>08/12/20</u>
Matrix:	<u>AIR</u>	Date Analyzed:	<u>08/12/20</u>
		Dilution Factor:	<u>1</u>

CONCENTRATION UNITS: (ppbv or ug/m3) ppbv

[illegible]

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:\AIR2020\CHEM20\08AUG\12\
 Data File : 0812_08.D
 Acq On : 12 Aug 2020 7:28 pm
 Operator :
 Client ID : IA-7 (MEZZANINE)
 Lab ID : CG52615
 ALS Vial : 11 Sample Multiplier: 1

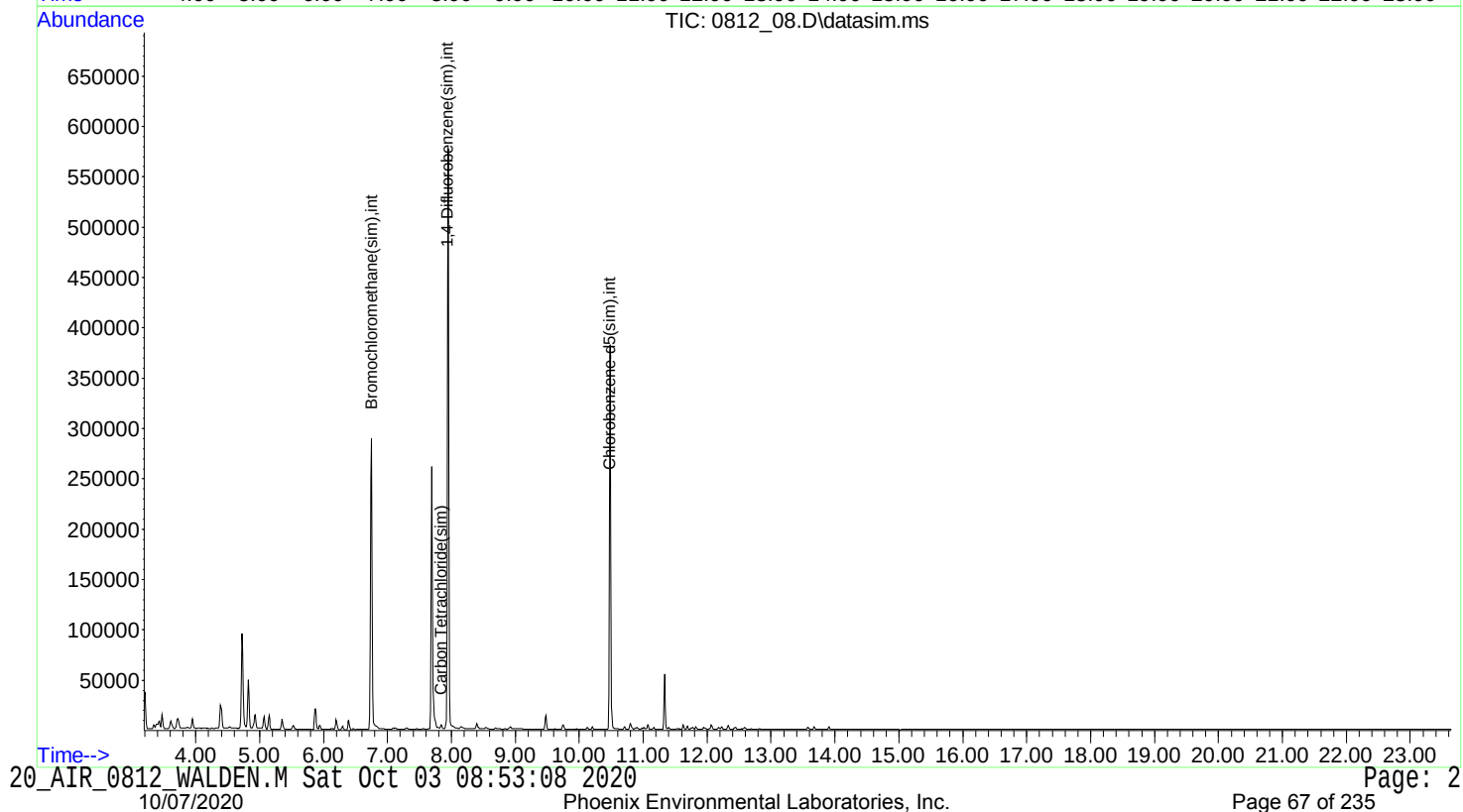
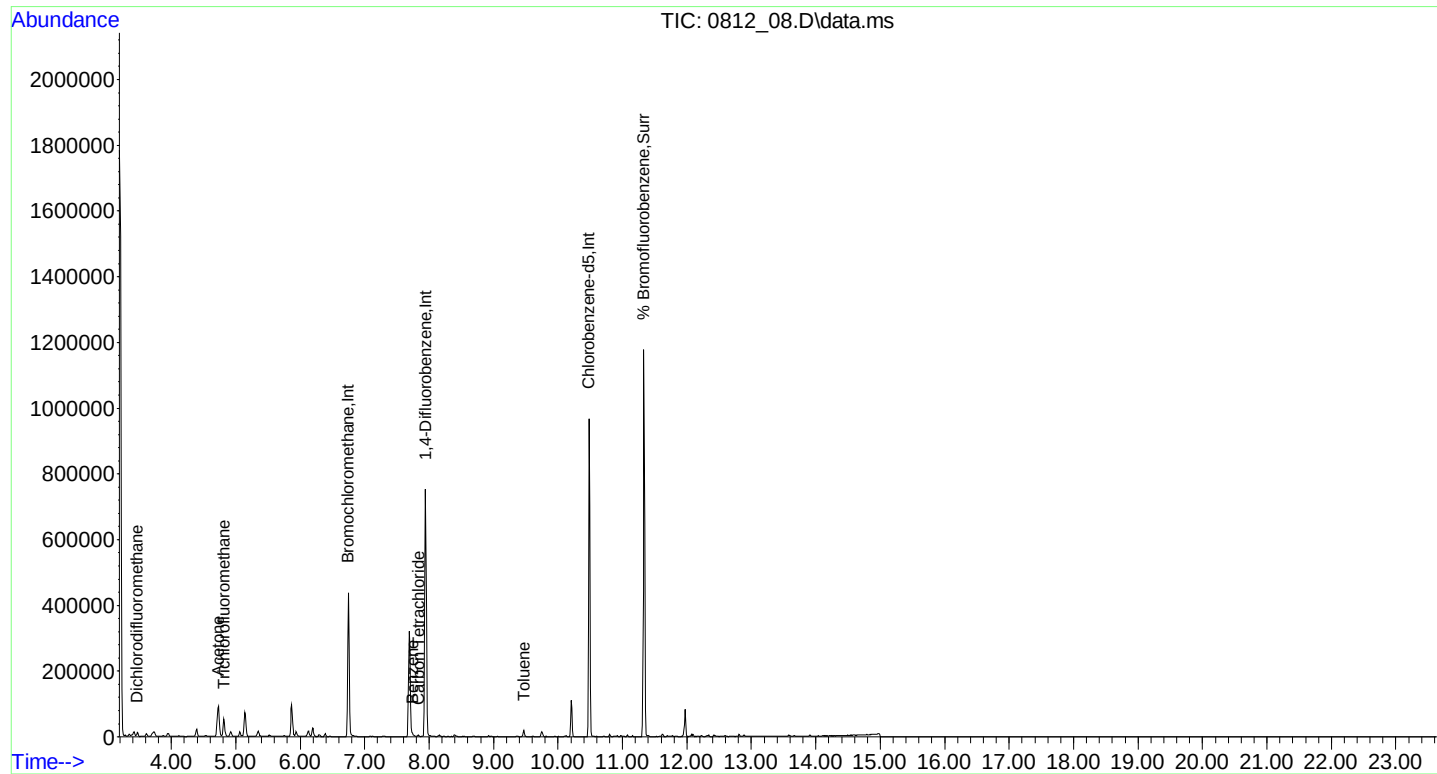
Quant Time: Oct 02 13:08:26 2020
 Quant Method : H:\AIR2020\CHEM20\METHODS\20_AIR_0812_WALDEN.M
 Quant Title : VOA Standards for 5 point calibration
 QLast Update : Fri Oct 02 13:04:18 2020
 Response via : Initial Calibration

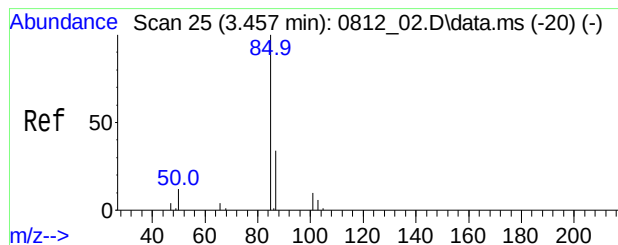
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	6.746	130	144435	10.000	ng	0.00
15) 1,4-Difluorobenzene	7.945	114	528143	10.000	ng	0.00
20) Chlorobenzene-d5	10.481	82	235788	10.000	ng	-0.01
30) Bromochloromethane(sim)	6.752	130	156518	10.000	ng	# 0.00
41) 1,4-Difluorobenzene(sim)	7.945	114	528151	10.000	ng	0.00
47) Chlorobenzene-d5(sim)	10.481	82	235788	10.000	ng	# 0.00
System Monitoring Compounds						
25) % Bromofluorobenzene	11.332	95	285215	9.885	ppbv	0.00
Spiked Amount	10.000	Range	70 - 130	Recovery	=	98.90%
Target Compounds						
2) Dichlorodifluoromethane	3.468	85	12542	0.407	ppbv	Qvalue 99
4) Acetone	4.729	43	110041	5.333	ppbv	97
5) Trichlorofluoromethane	4.816	101	44577	1.232	ppbv	99
13) Benzene	7.744	78	5546	0.146	ppbv	98
14) Carbon Tetrachloride	7.833	117	2254	0.069	ppbv	96
18) Toluene	9.473	91	10915	0.232	ppbv	95
35) Carbon Tetrachloride(sim)	7.833	117	2254	0.064	ppbv	96

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

Data Path : H:\AIR2020\CHEM20\08AUG\12\
Data File : 0812_08.D
Acq On : 12 Aug 2020 7:28 pm
Operator :
Client ID : IA-7 (MEZZANINE)
Lab ID : CG52615
ALS Vial : 11 Sample Multiplier: 1

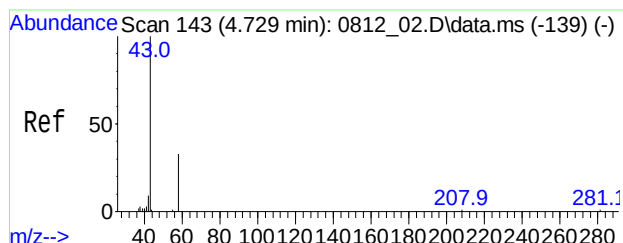
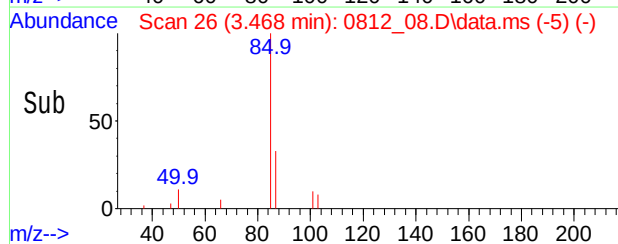
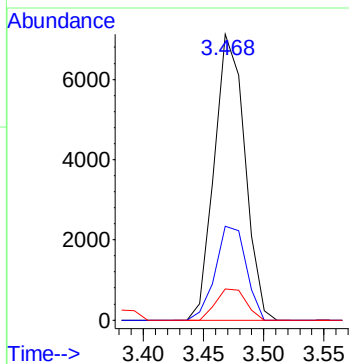
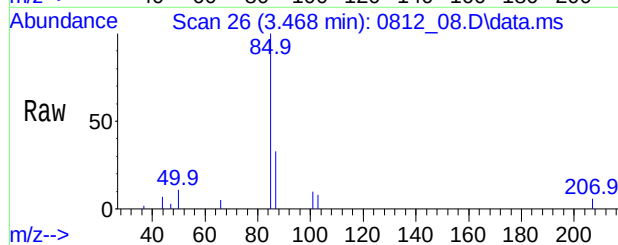
Quant Time: Oct 02 13:08:26 2020
Quant Method : H:\AIR2020\CHEM20\METHODS\20_AIR_0812_WALDEN.M
Quant Title : VOA Standards for 5 point calibration
Last Update : Fri Oct 02 13:04:18 2020
Response via : Initial Calibration





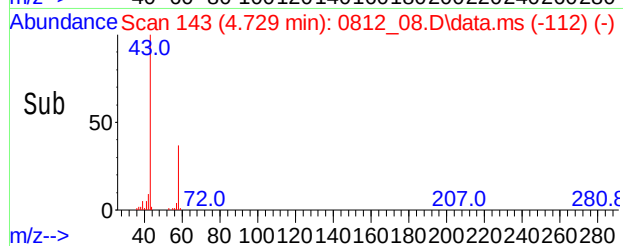
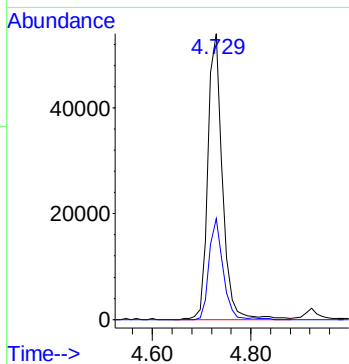
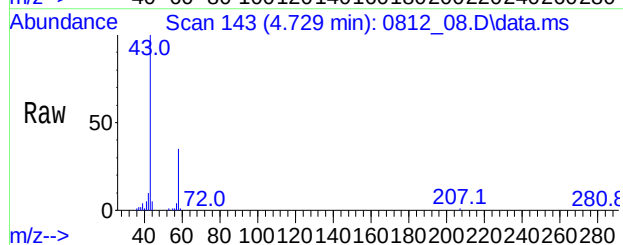
#2
Dichlorodifluoromethane
Conc: 8\$ 0.407 ppbv
RT: 3.468 min Scan# 26
Delta R.T. 0.021 min
Lab File: 0812_08.D
Acq: 12 Aug 2020 7:28 pm

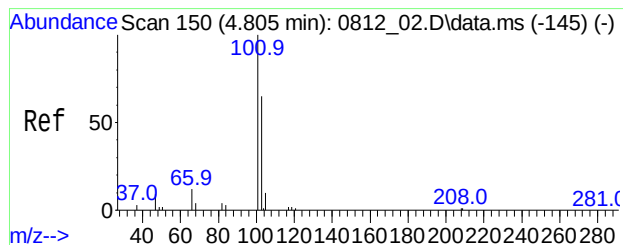
Tgt Ion	Ratio	Resp	Lower	Upper
85	100	12542		
87	33.1	26.1	39.1	
50	10.9	9.4	14.0	



#4
Acetone
Conc: 8\$ 5.333 ppbv
RT: 4.729 min Scan# 143
Delta R.T. 0.032 min
Lab File: 0812_08.D
Acq: 12 Aug 2020 7:28 pm

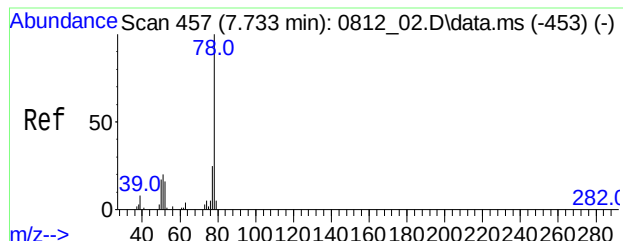
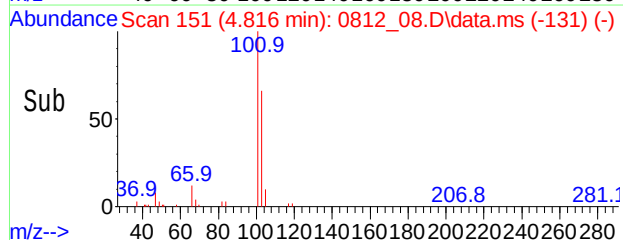
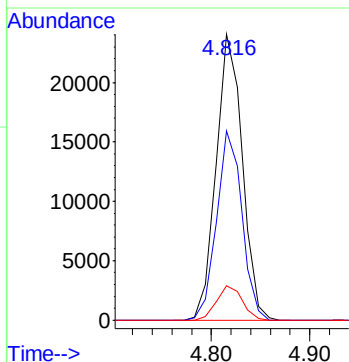
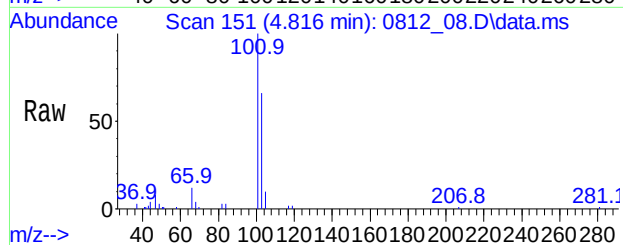
Tgt Ion	Ratio	Resp	Lower	Upper
43	100	110041		
58	33.4	28.1	42.1	





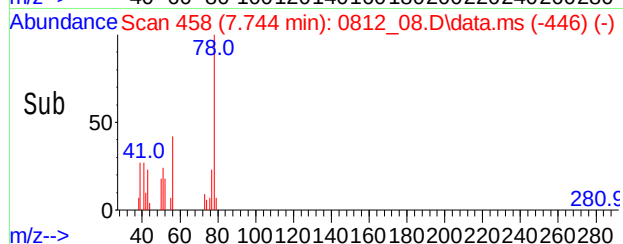
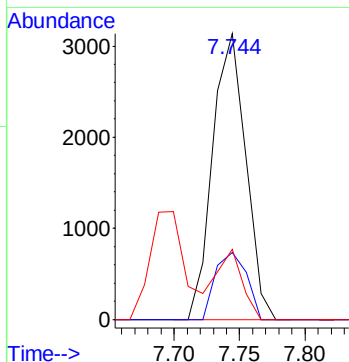
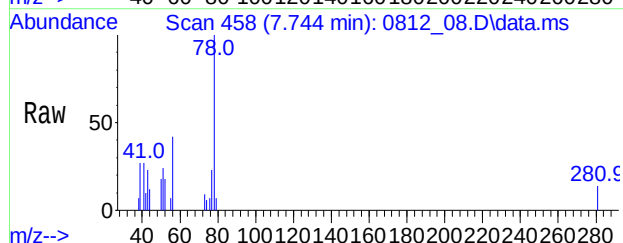
#5
Trichlorofluoromethane
Conc: 8\$ 1.232 ppbv
RT: 4.816 min Scan# 151
Delta R.T. 0.011 min
Lab File: 0812_08.D
Acq: 12 Aug 2020 7:28 pm

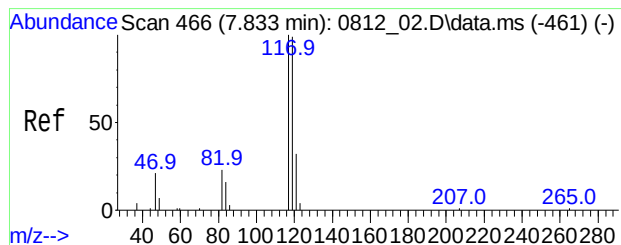
Tgt Ion	Ratio	Resp	Lower	Upper
101	100	44577		
103	64.0	51.6	77.4	
66	11.8	9.3	13.9	



#13
Benzene
Conc: 8\$ 0.146 ppbv
RT: 7.744 min Scan# 458
Delta R.T. -0.000 min
Lab File: 0812_08.D
Acq: 12 Aug 2020 7:28 pm

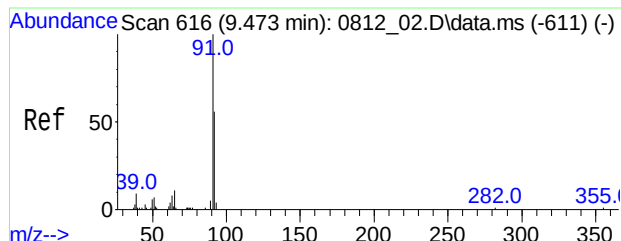
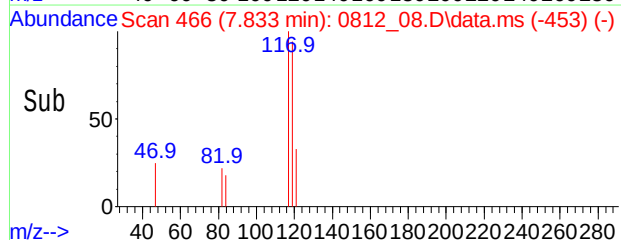
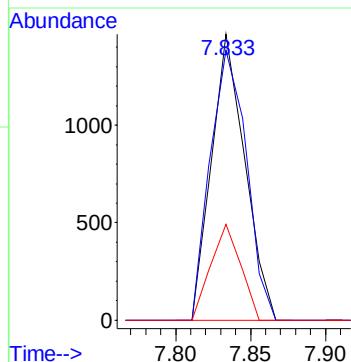
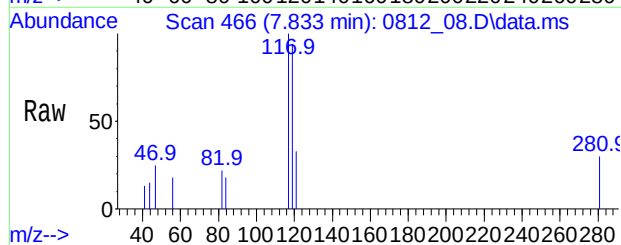
Tgt Ion	Ratio	Resp	Lower	Upper
78	100	5546		
77	22.3	18.6	27.8	
51	18.9	14.4	21.6	





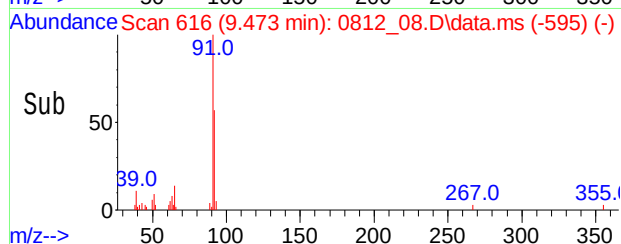
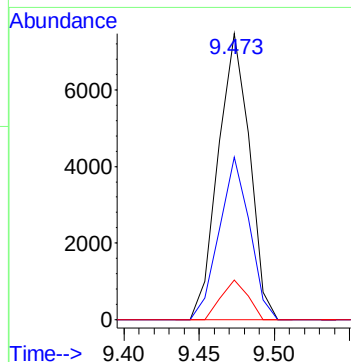
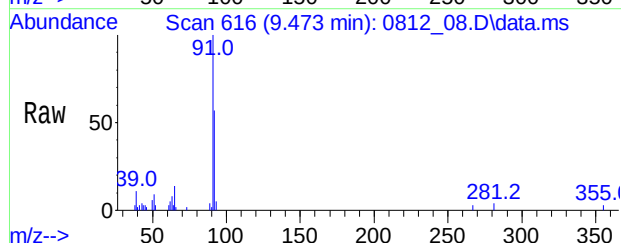
#14
Carbon Tetrachloride
Conc: 8\$ Below Cal
RT: 7.833 min Scan# 466
Delta R.T. -0.000 min
Lab File: 0812_08.D
Acq: 12 Aug 2020 7:28 pm

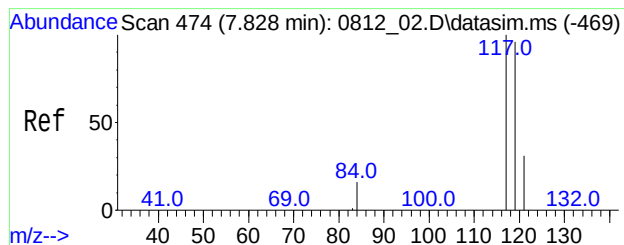
Tgt Ion	Ratio	Resp	Lower	Upper
117	100	2254		
119	102.3	78.1	118.1	
121	29.7	11.3	51.3	



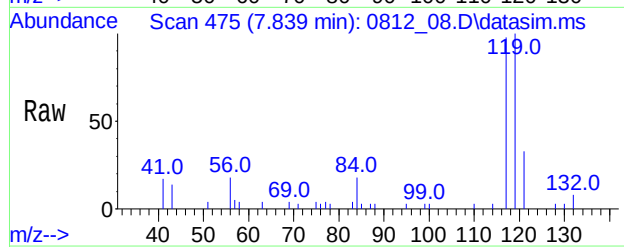
#18
Toluene
Conc: 8\$ 0.232 ppbv
RT: 9.473 min Scan# 616
Delta R.T. -0.000 min
Lab File: 0812_08.D
Acq: 12 Aug 2020 7:28 pm

Tgt Ion	Ratio	Resp	Lower	Upper
91	100	10915		
92	55.2	47.5	71.3	
65	11.7	9.2	13.8	

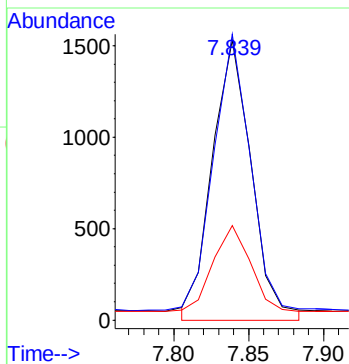
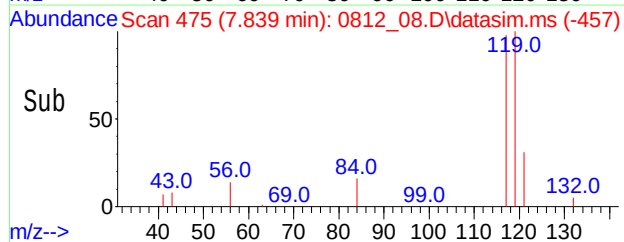




#35
 Carbon Tetrachloride(sim)
 Conc: 8\$ 0.064 ppbv
 RT: 7.833 min Scan# 475
 Delta R.T. -0.000 min
 Lab File: 0812_08.D
 Acq: 12 Aug 2020 7:28 pm



Tgt Ion	Ratio	Resp: Lower	Upper
117	100		
119	102.3	78.5	117.7
121	29.7	25.0	37.6



AA-1 (AMBIENT AIR)

ppbv

R

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

Data Path : H:\AIR2020\CHEM20\08AUG\12\
 Data File : 0812_10.D
 Acq On : 12 Aug 2020 8:50 pm
 Operator :
 Client ID : AA-1 (AMBIENT AIR)
 Lab ID : CG52616
 ALS Vial : 13 Sample Multiplier: 1

Quant Time: Oct 02 13:08:34 2020
 Quant Method : H:\AIR2020\CHEM20\METHODS\20_AIR_0812_WALDEN.M
 Quant Title : VOA Standards for 5 point calibration
 Qlast Update : Fri Oct 02 13:04:18 2020
 Response via : Initial Calibration

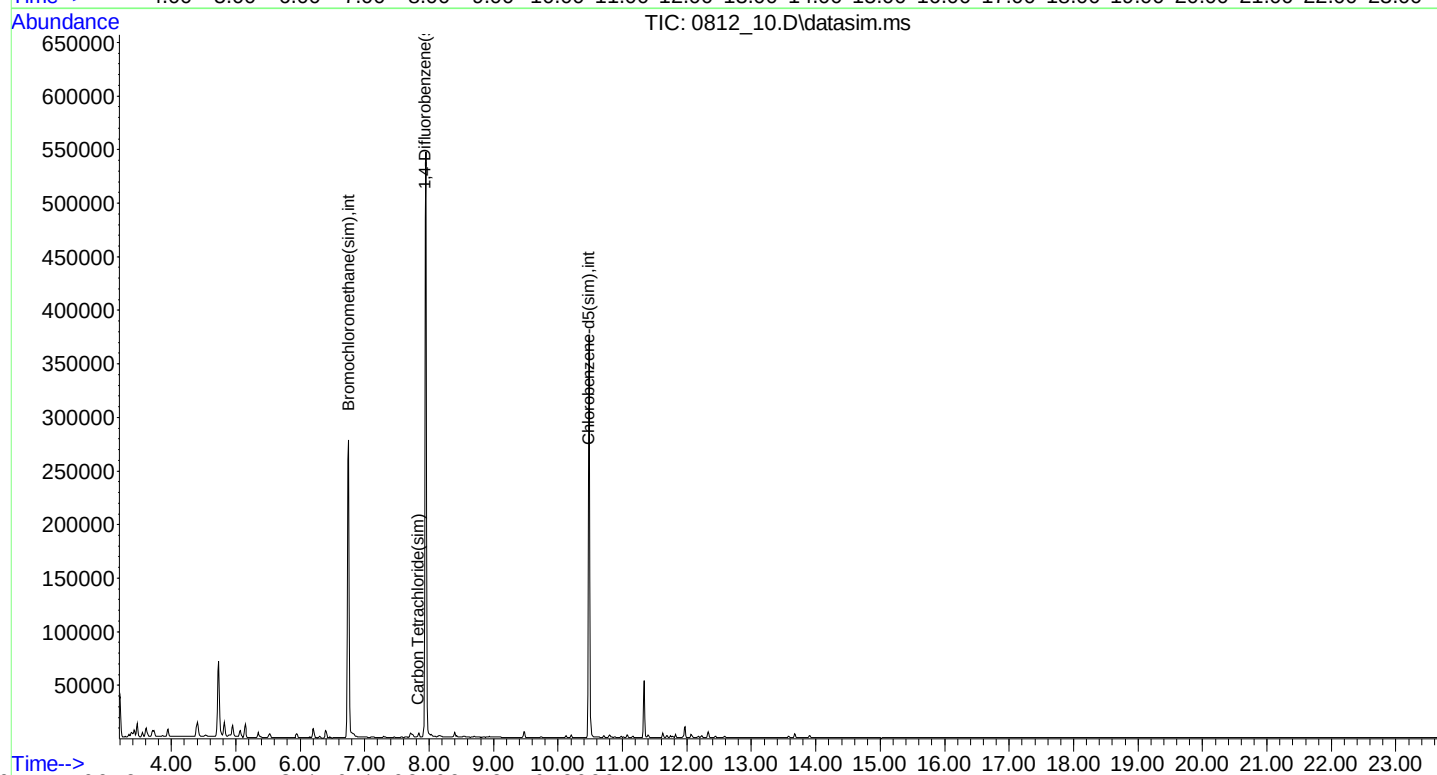
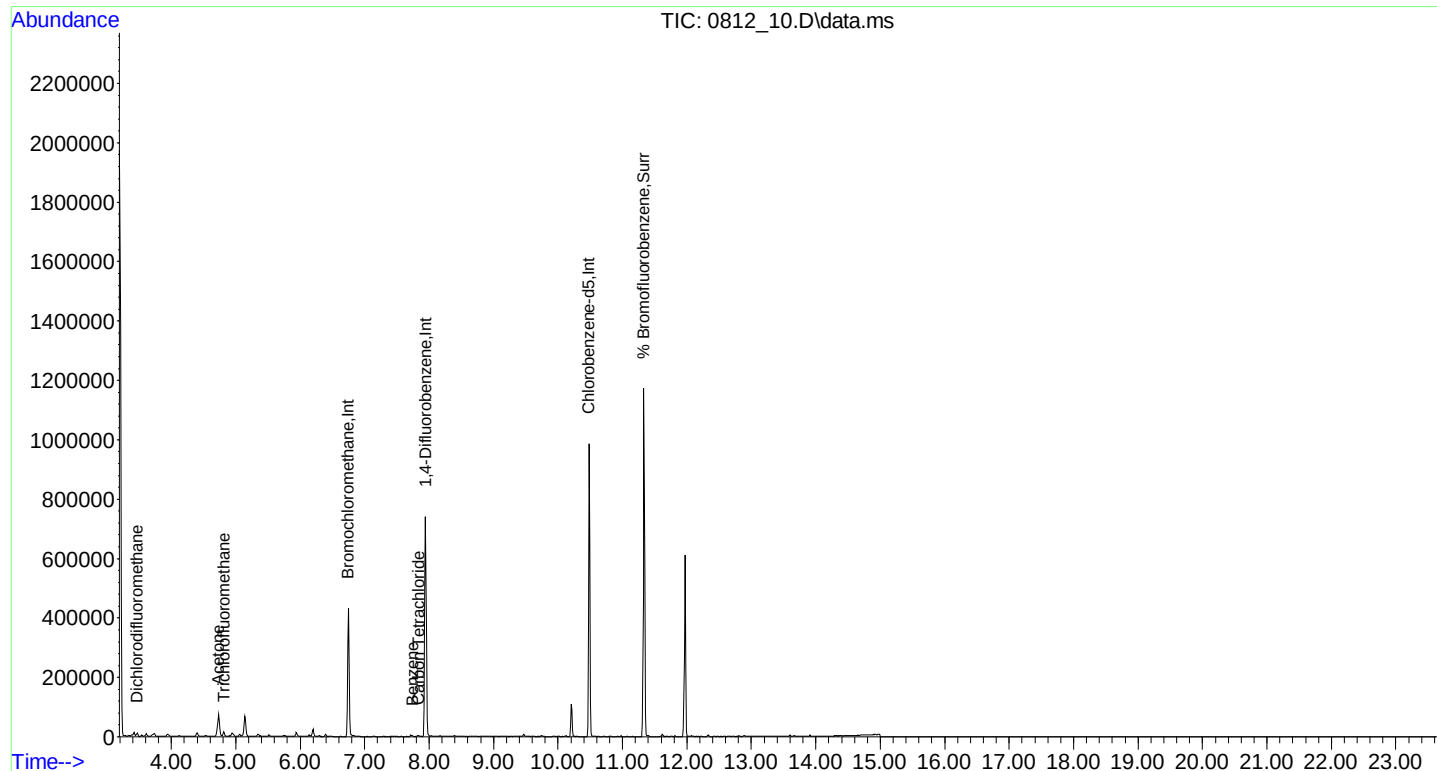
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	6.746	130	144435	10.000	ng	0.00
15) 1,4-Difluorobenzene	7.944	114	523107	10.000	ng	0.00
20) Chlorobenzene-d5	10.481	82	232585	10.000	ng	-0.01
30) Bromochloromethane(sim)	6.751	130	155697	10.000	ng	# 0.00
41) 1,4-Difluorobenzene(sim)	7.944	114	523008	10.000	ng	0.00
47) Chlorobenzene-d5(sim)	10.481	82	232585	10.000	ng	# 0.00
System Monitoring Compounds						
25) % Bromofluorobenzene	11.332	95	280596	9.859	ppbv	0.00
Spiked Amount	10.000	Range	70 - 130	Recovery	=	98.60%
Target Compounds						
2) Dichlorodifluoromethane	3.468	85	11746	0.382	ppbv	Qvalue 98
4) Acetone	4.729	43	89593	4.342	ppbv	98
5) Trichlorofluoromethane	4.815	101	11550	0.319	ppbv	98
13) Benzene	7.744	78	2483	0.065	ppbv#	88
14) Carbon Tetrachloride	7.833	117	2268	0.069	ppbv	94
35) Carbon Tetrachloride(sim)	7.833	117	2268	0.065	ppbv	94

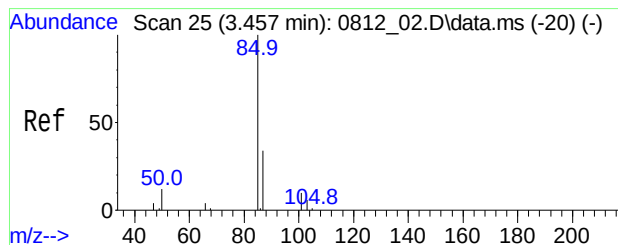
(#)out of range (m)manual integration reviewed by analyst (+)signals summed

Quantitation Report (QT Reviewed)

Data Path : H:\AIR2020\CHEM20\08AUG\12\
 Data File : 0812_10.D
 Acq On : 12 Aug 2020 8:50 pm
 Operator :
 Client ID : AA-1 (AMBIENT AIR)
 Lab ID : CG52616
 ALS Vial : 13 Sample Multiplier: 1

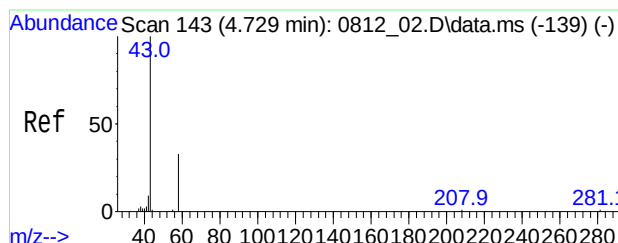
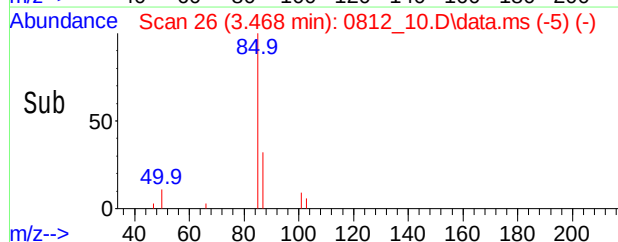
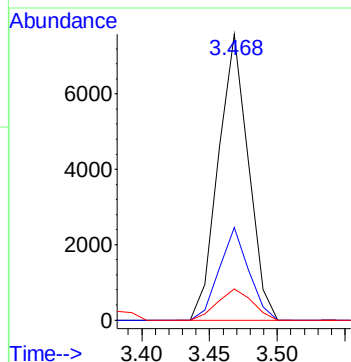
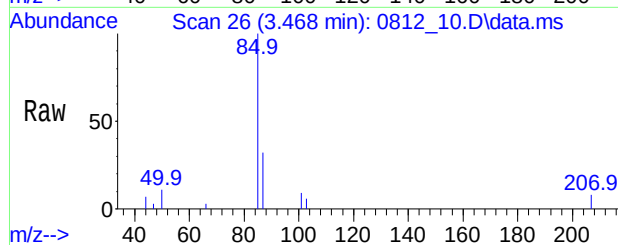
Quant Time: Oct 02 13:08:34 2020
 Quant Method : H:\AIR2020\CHEM20\METHODS\20_AIR_0812_WALDEN.M
 Quant Title : VOA Standards for 5 point calibration
 Last Update : Fri Oct 02 13:04:18 2020
 Response via : Initial Calibration





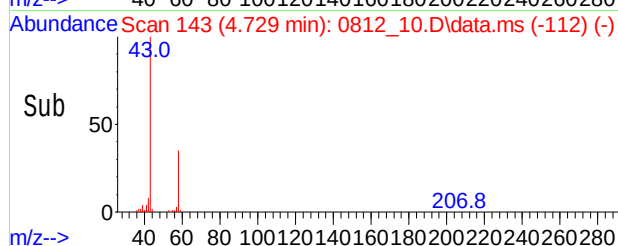
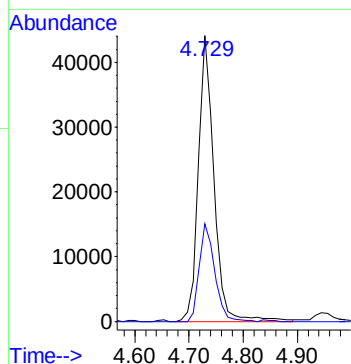
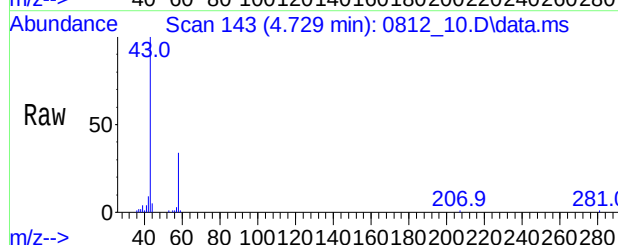
#2
Dichlorodifluoromethane
Conc: 8\$ 0.382 ppbv
RT: 3.468 min Scan# 26
Delta R.T. 0.021 min
Lab File: 0812_10.D
Acq: 12 Aug 2020 8:50 pm

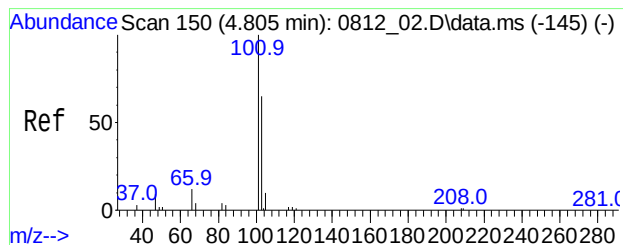
Tgt Ion	Ratio	Resp	Lower	Upper
85	100	11746		
87	31.9	26.1	39.1	
50	12.6	9.4	14.0	



#4
Acetone
Conc: 8\$ 4.342 ppbv
RT: 4.729 min Scan# 143
Delta R.T. 0.032 min
Lab File: 0812_10.D
Acq: 12 Aug 2020 8:50 pm

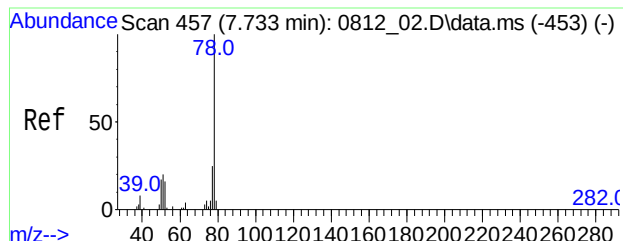
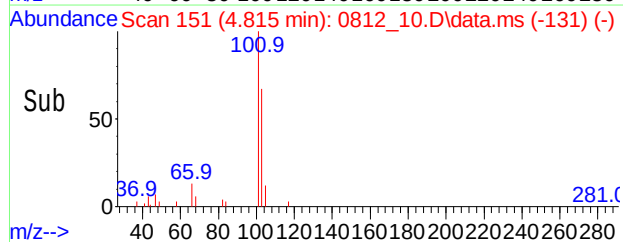
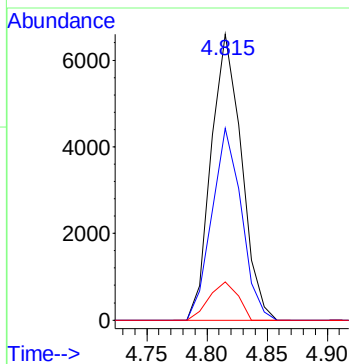
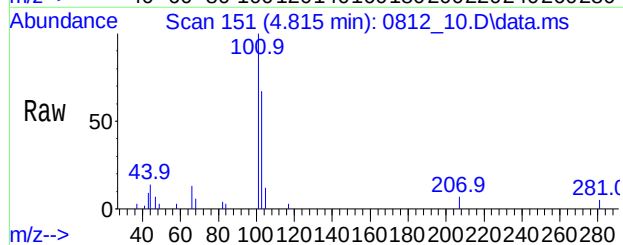
Tgt Ion	Ratio	Resp	Lower	Upper
43	100	89593		
58	33.9	28.1	42.1	





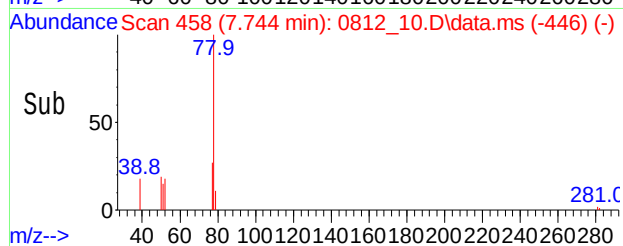
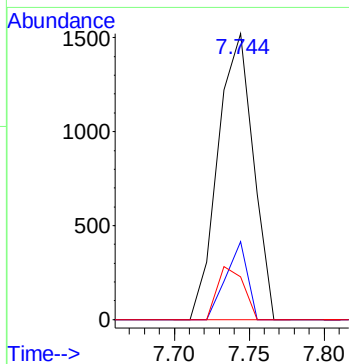
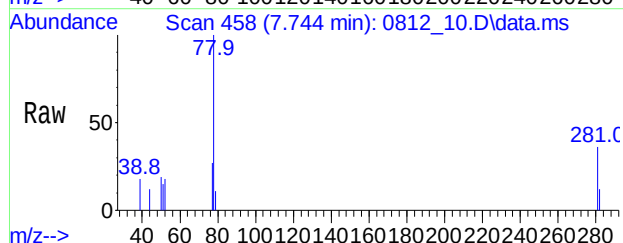
#5
 Trichlorofluoromethane
 Conc: 8\$ 0.319 ppbv
 RT: 4.815 min Scan# 151
 Delta R.T. 0.011 min
 Lab File: 0812_10.D
 Acq: 12 Aug 2020 8:50 pm

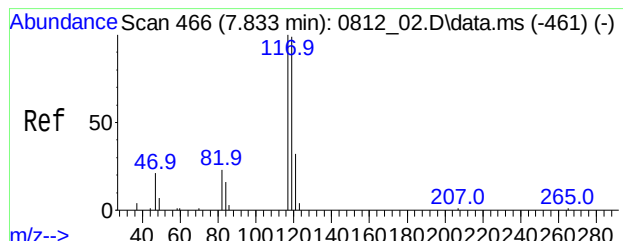
Tgt Ion	Ratio	Resp	Lower	Upper
101	100	11550		
103	65.5	51.6	77.4	
66	12.8	9.3	13.9	



#13
 Benzene
 Conc: 8\$ 0.065 ppbv
 RT: 7.744 min Scan# 458
 Delta R.T. -0.000 min
 Lab File: 0812_10.D
 Acq: 12 Aug 2020 8:50 pm

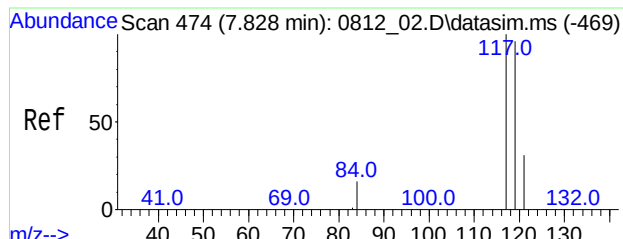
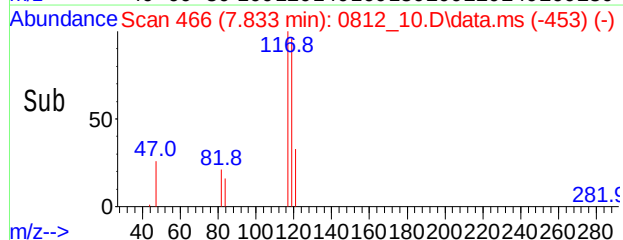
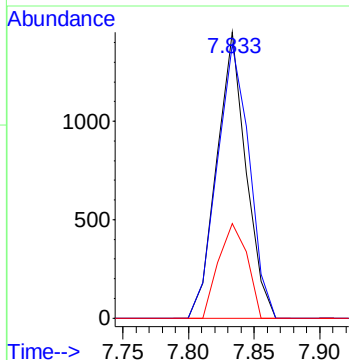
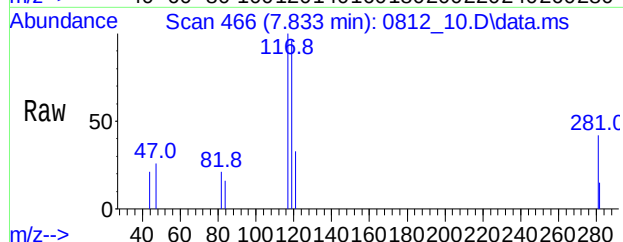
Tgt Ion	Ratio	Resp	Lower	Upper
78	100	2483		
77	16.6	18.6	27.8#	
51	13.7	14.4	21.6#	





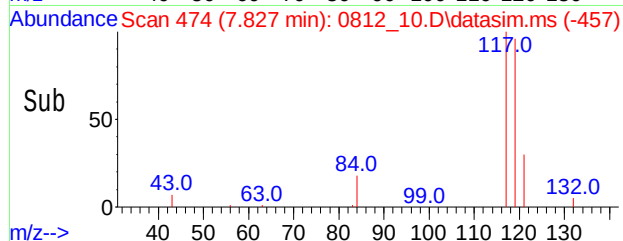
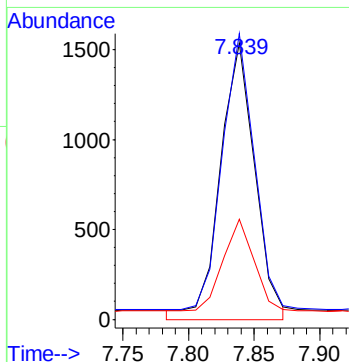
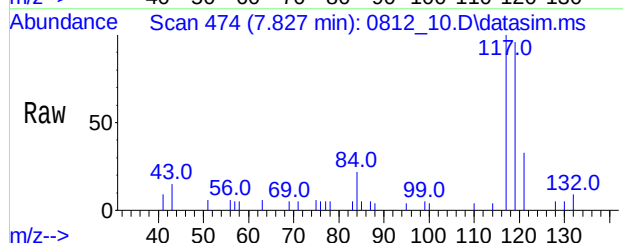
#14
Carbon Tetrachloride
Conc: 8\$ Below Cal
RT: 7.833 min Scan# 466
Delta R.T. -0.000 min
Lab File: 0812_10.D
Acq: 12 Aug 2020 8:50 pm

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	2268		
119	105.2	78.1	118.1	
121	32.3	11.3	51.3	



#35
Carbon Tetrachloride(sim)
Conc: 8\$ 0.065 ppbv
RT: 7.833 min Scan# 474
Delta R.T. -0.000 min
Lab File: 0812_10.D
Acq: 12 Aug 2020 8:50 pm

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	2268		
119	105.2	78.5	117.7	
121	32.3	25.0	37.6	



Data Path : H:\AIR2020\CHEM20\08AUG\12\
 Data File : 0812_11.D
 Acq On : 12 Aug 2020 9:31 pm
 Operator :
 Client ID : IA-8 (MEN'S LOCKER ROOM)
 Lab ID : CG52617
 ALS Vial : 14 Sample Multiplier: 1

Quant Time: Oct 02 13:08:38 2020
 Quant Method : H:\AIR2020\CHEM20\METHODS\20_AIR_0812_WALDEN.M
 Quant Title : VOA Standards for 5 point calibration
 QLast Update : Fri Oct 02 13:04:18 2020
 Response via : Initial Calibration

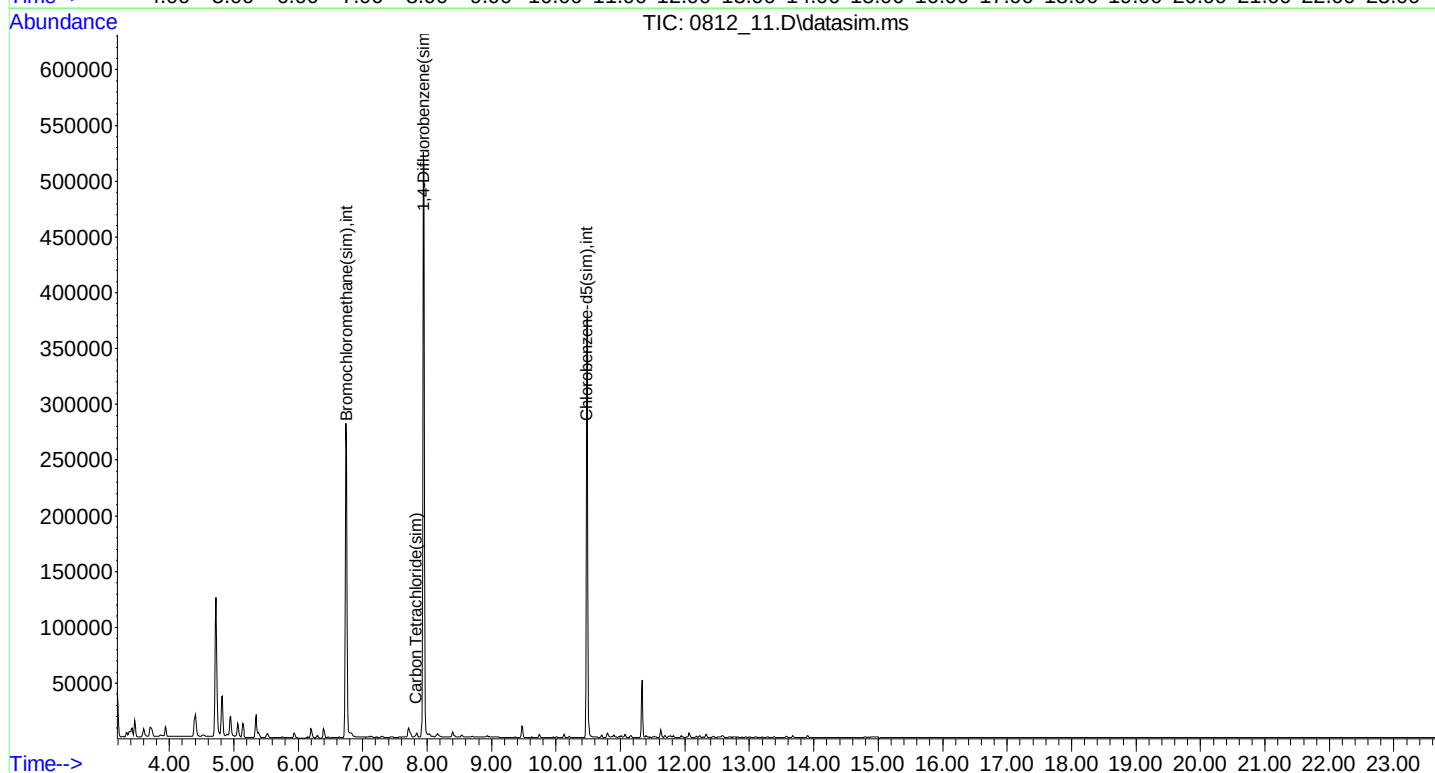
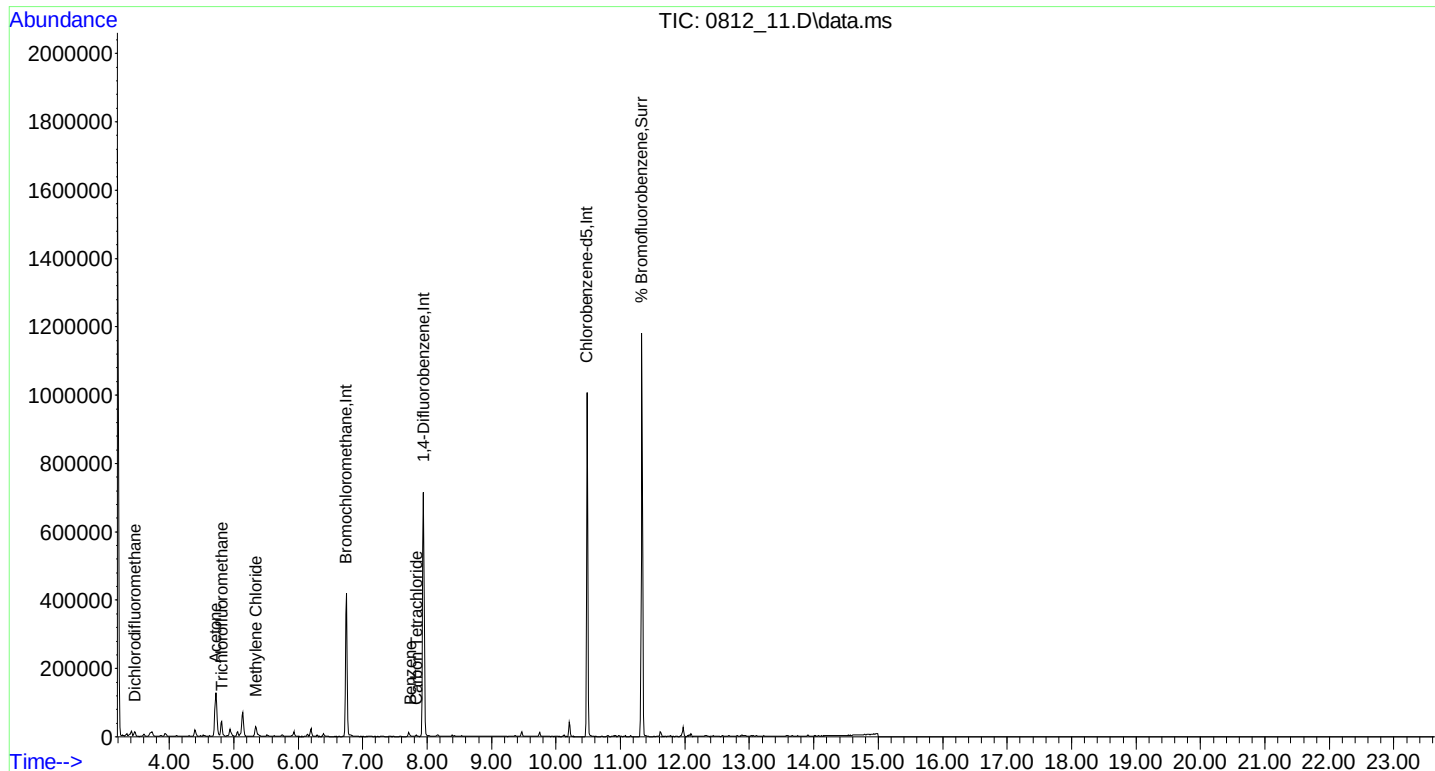
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	6.746	130	142603	10.000	ng	0.00
15) 1,4-Difluorobenzene	7.944	114	524044	10.000	ng	0.00
20) Chlorobenzene-d5	10.481	82	231318	10.000	ng	-0.01
30) Bromochloromethane(sim)	6.751	130	155223	10.000	ng	# 0.00
41) 1,4-Difluorobenzene(sim)	7.944	114	523612	10.000	ng	0.00
47) Chlorobenzene-d5(sim)	10.481	82	231034	10.000	ng	# 0.00
System Monitoring Compounds						
25) % Bromofluorobenzene	11.332	95	280872	9.923	ppbv	0.00
Spiked Amount	10.000	Range	70 - 130	Recovery	=	99.20%
Target Compounds						
2) Dichlorodifluoromethane	3.468	85	13462	0.443	ppbv	Qvalue 97
4) Acetone	4.718	43	151955	7.459	ppbv	98
5) Trichlorofluoromethane	4.815	101	35639	0.997	ppbv	100
7) Methylene Chloride	5.339	49	14733	0.859	ppbv	96
13) Benzene	7.744	78	2520	0.067	ppbv	96
14) Carbon Tetrachloride	7.833	117	2022	0.062	ppbv#	81
35) Carbon Tetrachloride(sim)	7.833	117	2022	0.058	ppbv#	81

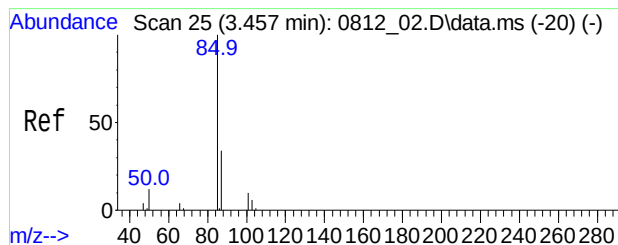
(#)out of range (m)manual integration reviewed by analyst (+)signals summed

Quantitation Report (QT Reviewed)

Data Path : H:\AIR2020\CHEM20\08AUG\12\
 Data File : 0812_11.D
 Acq On : 12 Aug 2020 9:31 pm
 Operator :
 Client ID : IA-8 (MEN'S LOCKER ROOM)
 Lab ID : CG52617
 ALS Vial : 14 Sample Multiplier: 1

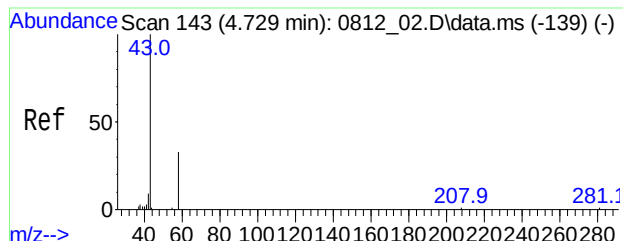
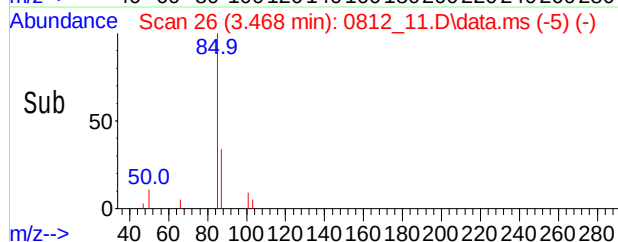
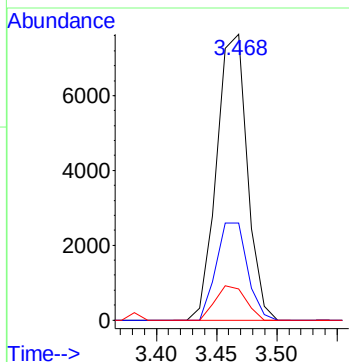
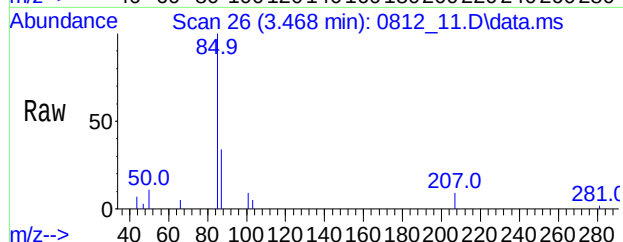
Quant Time: Oct 02 13:08:38 2020
 Quant Method : H:\AIR2020\CHEM20\METHODS\20_AIR_0812_WALDEN.M
 Quant Title : VOA Standards for 5 point calibration
 Last Update : Fri Oct 02 13:04:18 2020
 Response via : Initial Calibration





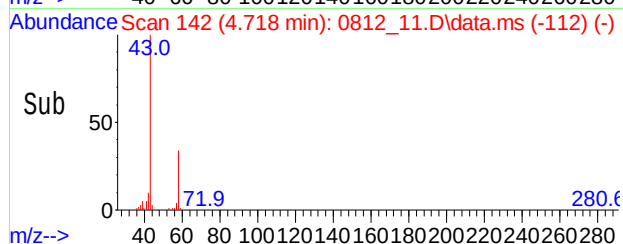
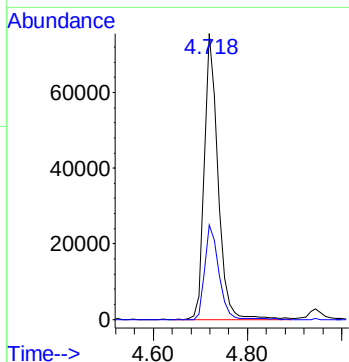
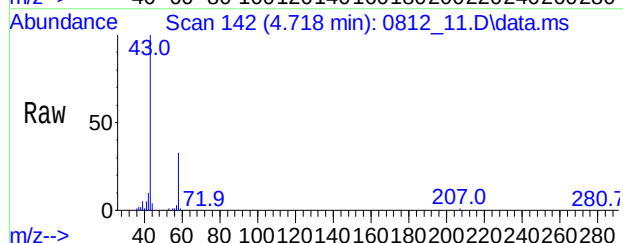
#2
Dichlorodifluoromethane
Conc: 8\$ 0.443 ppbv
RT: 3.468 min Scan# 26
Delta R.T. 0.021 min
Lab File: 0812_11.D
Acq: 12 Aug 2020 9:31 pm

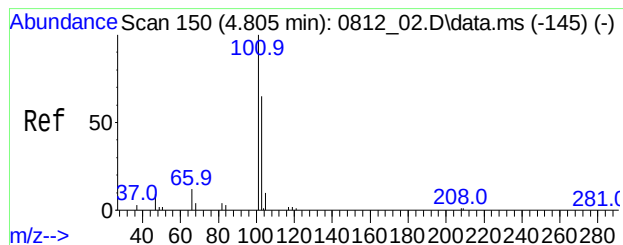
Tgt Ion	Ratio	Resp	Lower	Upper
85	100	13462		
87	34.6	26.1	39.1	
50	11.9	9.4	14.0	



#4
Acetone
Conc: 8\$ 7.459 ppbv
RT: 4.718 min Scan# 142
Delta R.T. 0.021 min
Lab File: 0812_11.D
Acq: 12 Aug 2020 9:31 pm

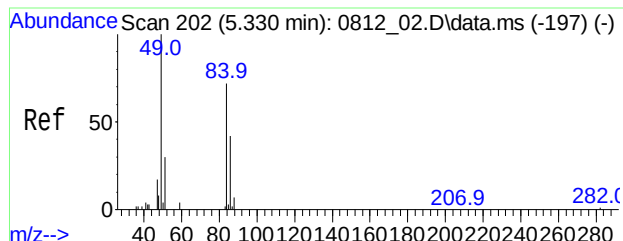
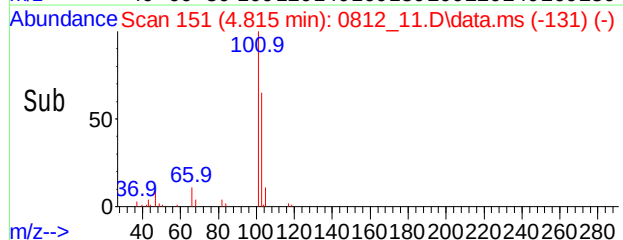
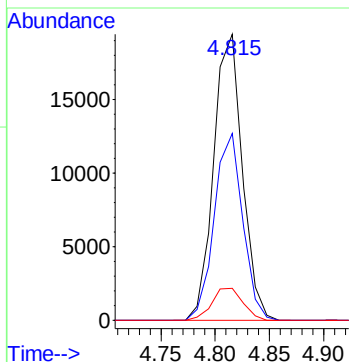
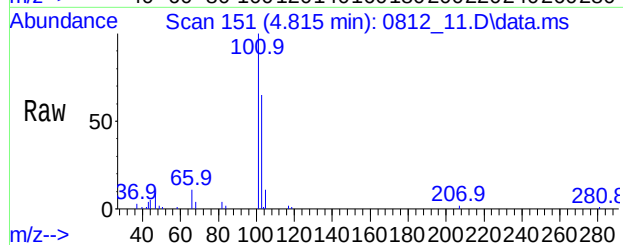
Tgt Ion	Ratio	Resp	Lower	Upper
43	100	151955		
58	34.0	28.1	42.1	





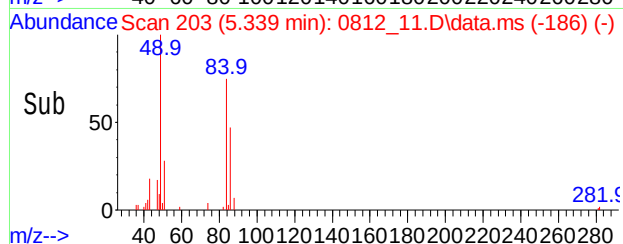
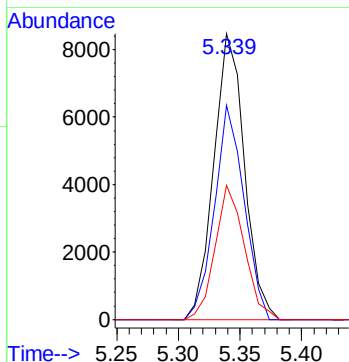
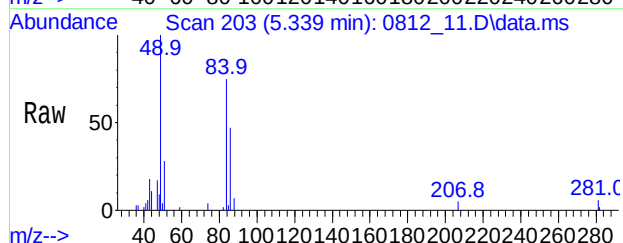
#5
 Trichlorofluoromethane
 Conc: 8\$ 0.997 ppbv
 RT: 4.815 min Scan# 151
 Delta R.T. 0.011 min
 Lab File: 0812_11.D
 Acq: 12 Aug 2020 9:31 pm

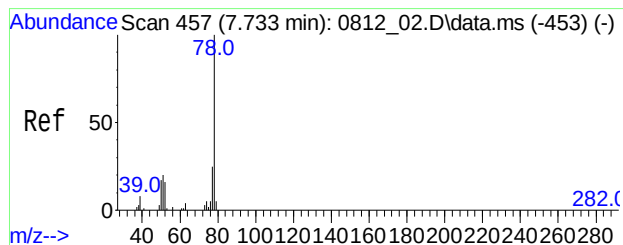
Tgt Ion	Ratio	Resp	Lower	Upper
101	100	35639		
103	64.8	51.6	77.4	
66	12.1	9.3	13.9	



#7
 Methylene Chloride
 Conc: 8\$ 0.859 ppbv
 RT: 5.339 min Scan# 203
 Delta R.T. -0.000 min
 Lab File: 0812_11.D
 Acq: 12 Aug 2020 9:31 pm

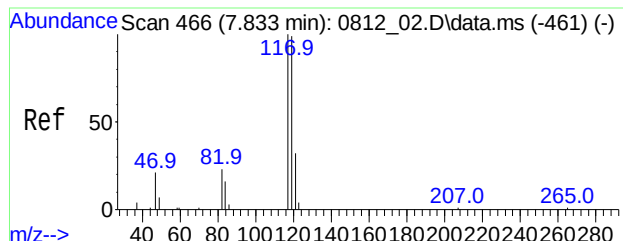
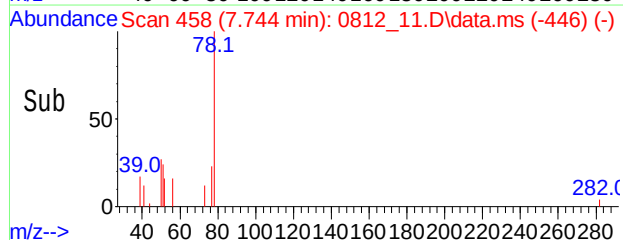
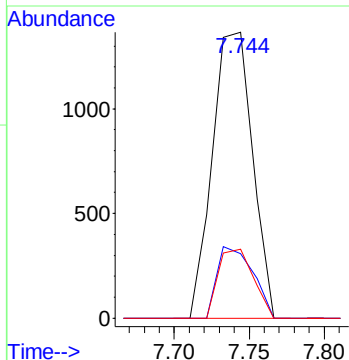
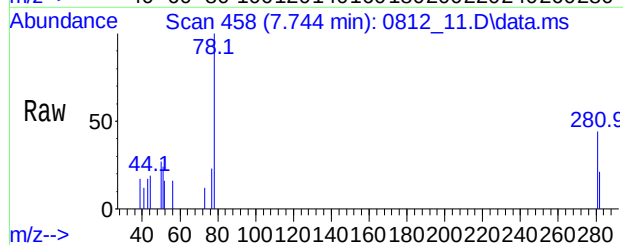
Tgt Ion	Ratio	Resp	Lower	Upper
49	100	14733		
84	72.1	59.8	89.8	
86	44.8	38.6	58.0	





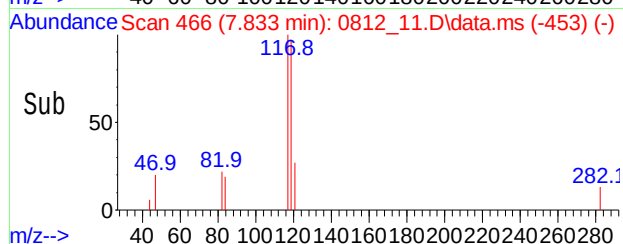
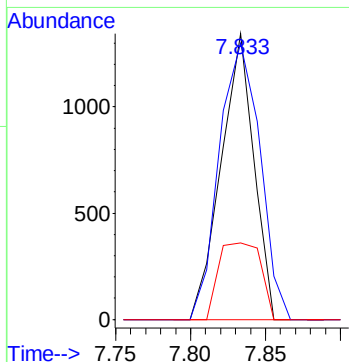
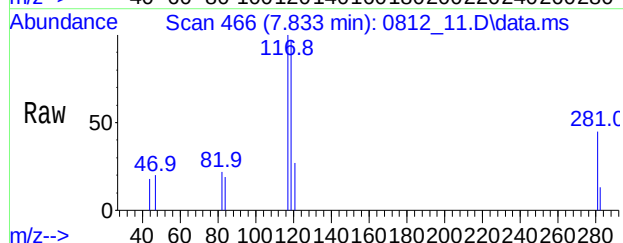
#13
Benzene
Conc: 8\$ 0.067 ppbv
RT: 7.744 min Scan# 458
Delta R.T. -0.000 min
Lab File: 0812_11.D
Acq: 12 Aug 2020 9:31 pm

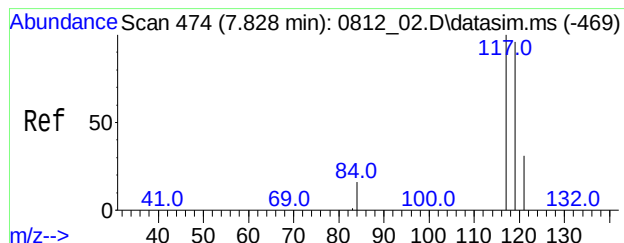
Tgt Ion	Ratio	Resp	Lower	Upper
78	100	2520		
77	22.2	18.6	27.8	
51	21.1	14.4	21.6	



#14
Carbon Tetrachloride
Conc: 8\$ Below Cal
RT: 7.833 min Scan# 466
Delta R.T. -0.000 min
Lab File: 0812_11.D
Acq: 12 Aug 2020 9:31 pm

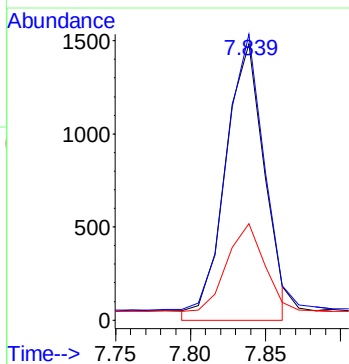
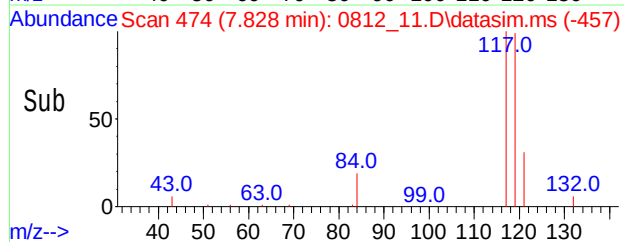
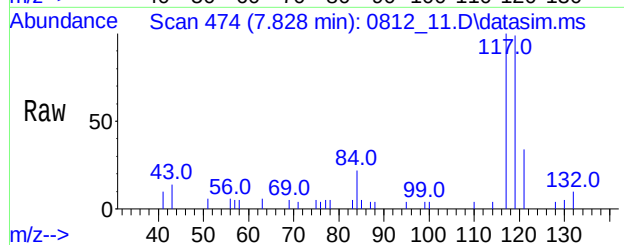
Tgt Ion	Ratio	Resp	Lower	Upper
117	100	2022		
119	120.6	78.1	118.1#	
121	34.4	11.3	51.3	





#35
Carbon Tetrachloride(sim)
Conc: 8\$ 0.058 ppbv
RT: 7.833 min Scan# 474
Delta R.T. -0.000 min
Lab File: 0812_11.D
Acq: 12 Aug 2020 9:31 pm

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	2022		
119	120.6	78.5	117.7#	
121	34.4	25.0	37.6	



Client:	WALDENE-IPARK	Lab:	Phoenix Env. Labs
SDG No.:	GCG52615	Lab Sample ID:	CG52618
Canister:	28556	Lab File ID:	0812_12.D
Instrument:	CHEM20	Column:	RTX-1 60M
Purge Volume	200 (cc)	Date Received:	08/12/20
		Date Analyzed:	08/12/20
Matrix:	AIR	Dilution Factor:	1

CONCENTRATION UNITS: (ppbv or ug/m3) ppbv

[illegible]

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:\AIR2020\CHEM20\08AUG\12\
 Data File : 0812_12.D
 Acq On : 12 Aug 2020 10:13 pm
 Operator :
 Client ID : IA-6 (CARDIO)
 Lab ID : CG52618
 ALS Vial : 15 Sample Multiplier: 1

Quant Time: Oct 02 13:08:42 2020
 Quant Method : H:\AIR2020\CHEM20\METHODS\20_AIR_0812_WALDEN.M
 Quant Title : VOA Standards for 5 point calibration
 Qlast Update : Fri Oct 02 13:04:18 2020
 Response via : Initial Calibration

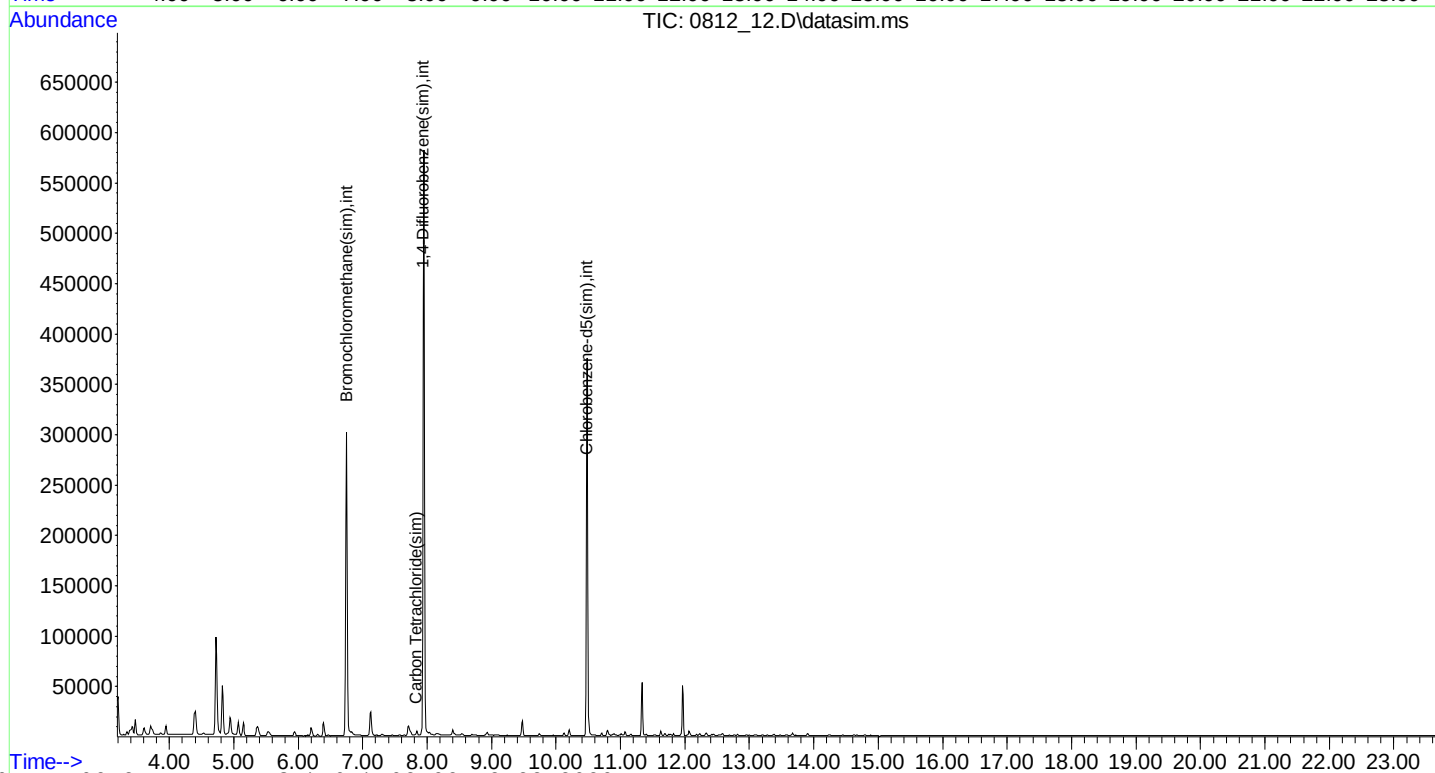
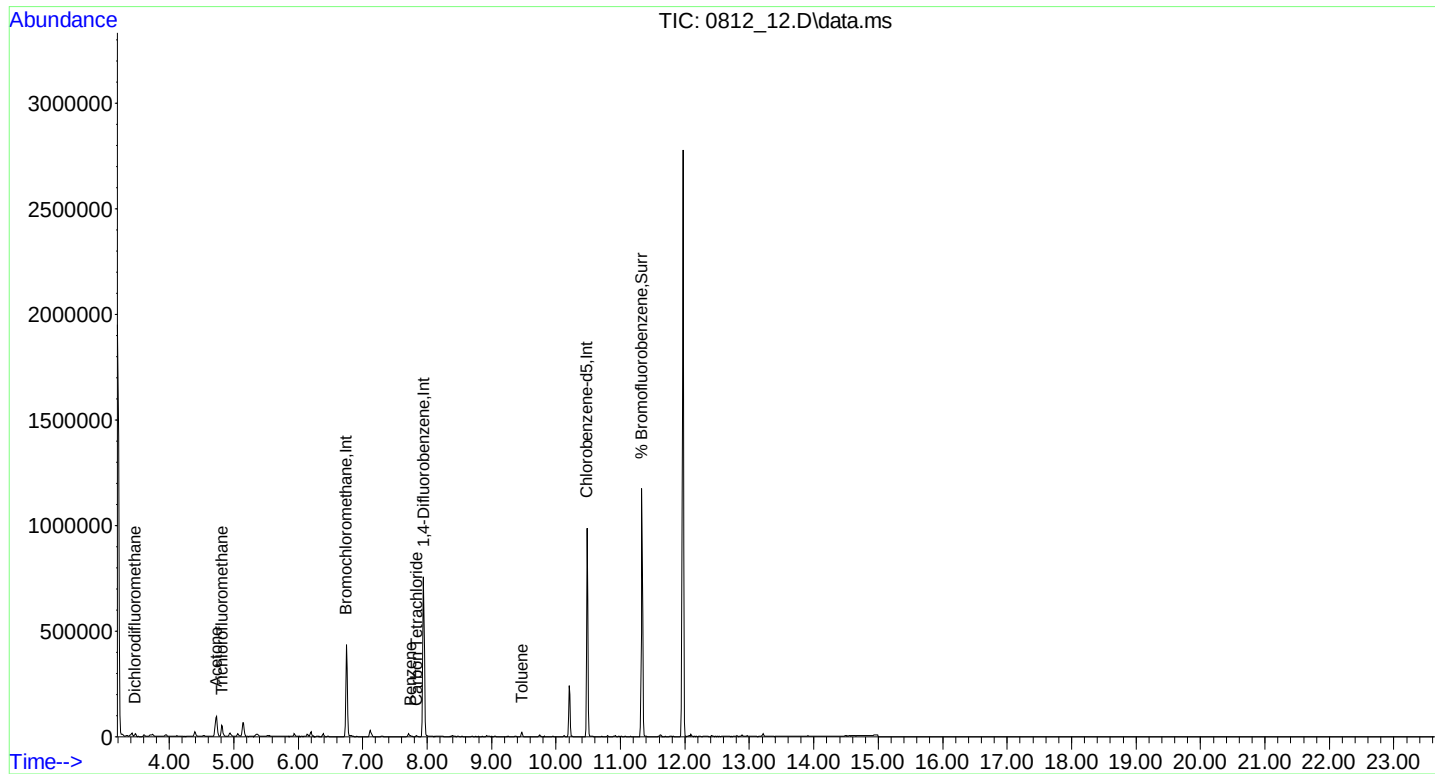
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	6.746	130	144899	10.000	ng	0.00
15) 1,4-Difluorobenzene	7.944	114	528401	10.000	ng	0.00
20) Chlorobenzene-d5	10.481	82	234092	10.000	ng	-0.01
30) Bromochloromethane(sim)	6.751	130	156227	10.000	ng	# 0.00
41) 1,4-Difluorobenzene(sim)	7.944	114	528287	10.000	ng	0.00
47) Chlorobenzene-d5(sim)	10.481	82	234092	10.000	ng	# 0.00
System Monitoring Compounds						
25) % Bromofluorobenzene	11.332	95	279973	9.774	ppbv	0.00
Spiked Amount	10.000	Range	70 - 130	Recovery	=	97.70%
Target Compounds						
2) Dichlorodifluoromethane	3.468	85	13274	0.430	ppbv	Qvalue 97
4) Acetone	4.729	43	110410	5.333	ppbv	99
5) Trichlorofluoromethane	4.815	101	44397	1.223	ppbv	99
13) Benzene	7.744	78	2889	0.076	ppbv	96
14) Carbon Tetrachloride	7.833	117	2216	0.067	ppbv	93
18) Toluene	9.473	91	11078	0.236	ppbv	97
35) Carbon Tetrachloride(sim)	7.833	117	2216	0.063	ppbv	93

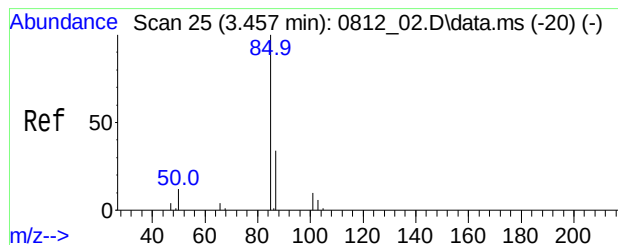
(#)out of range (m)manual integration reviewed by analyst (+)signals summed

Quantitation Report (QT Reviewed)

Data Path : H:\AIR2020\CHEM20\08AUG\12\
 Data File : 0812_12.D
 Acq On : 12 Aug 2020 10:13 pm
 Operator :
 Client ID : IA-6 (CARDIO)
 Lab ID : CG52618
 ALS Vial : 15 Sample Multiplier: 1

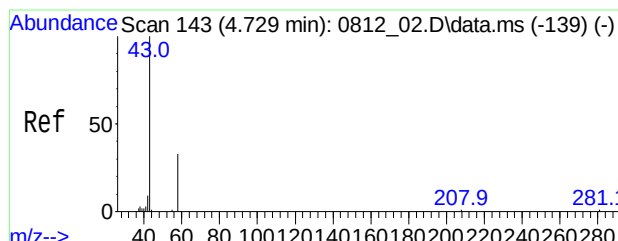
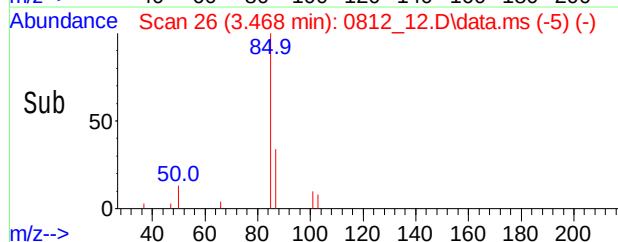
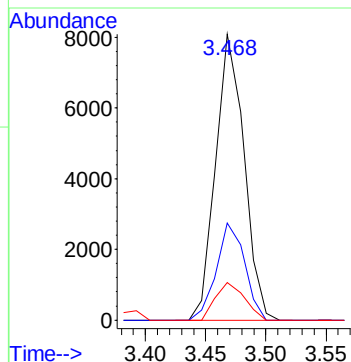
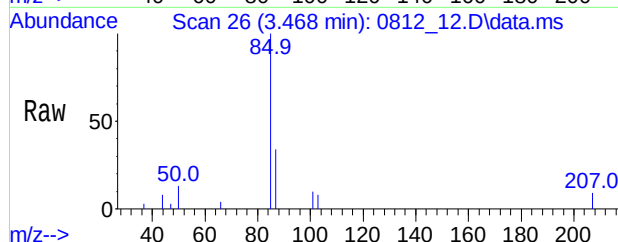
Quant Time: Oct 02 13:08:42 2020
 Quant Method : H:\AIR2020\CHEM20\METHODS\20_AIR_0812_WALDEN.M
 Quant Title : VOA Standards for 5 point calibration
 Last Update : Fri Oct 02 13:04:18 2020
 Response via : Initial Calibration





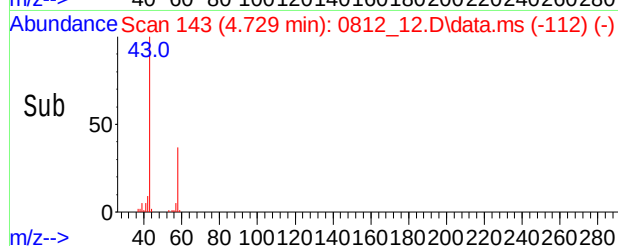
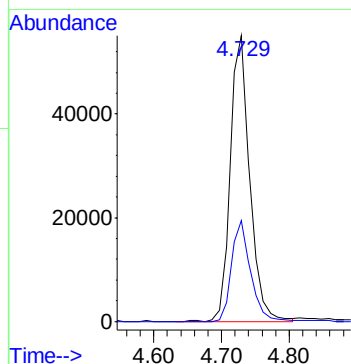
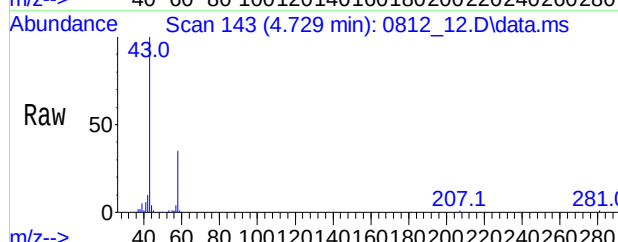
#2
Dichlorodifluoromethane
Conc: 8\$ 0.430 ppbv
RT: 3.468 min Scan# 26
Delta R.T. 0.021 min
Lab File: 0812_12.D
Acq: 12 Aug 2020 10:13 pm

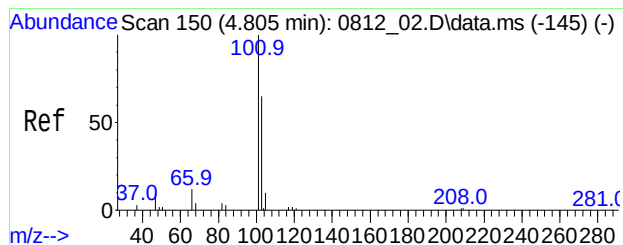
Tgt Ion	Ratio	Resp	Lower	Upper
85	100	13274		
87	33.7	26.1	39.1	
50	13.3	9.4	14.0	



#4
Acetone
Conc: 8\$ 5.333 ppbv
RT: 4.729 min Scan# 143
Delta R.T. 0.032 min
Lab File: 0812_12.D
Acq: 12 Aug 2020 10:13 pm

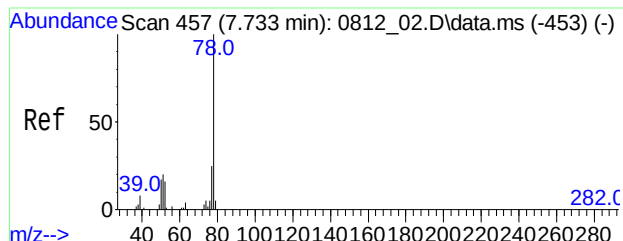
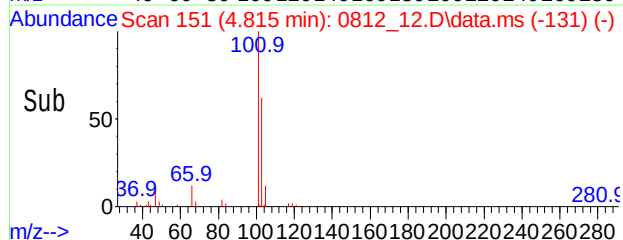
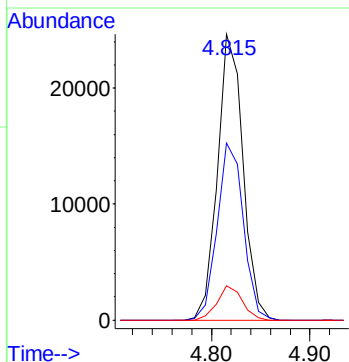
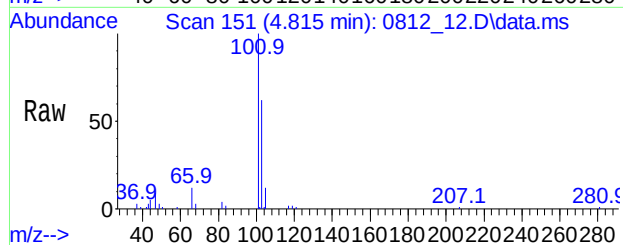
Tgt Ion	Ratio	Resp	Lower	Upper
43	100	110410		
58	34.7	28.1	42.1	





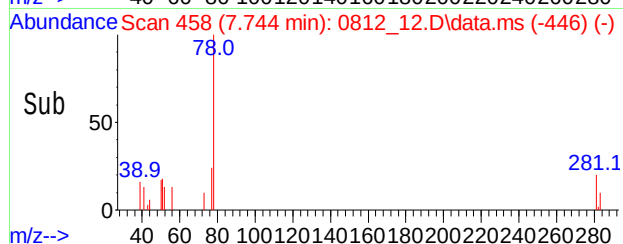
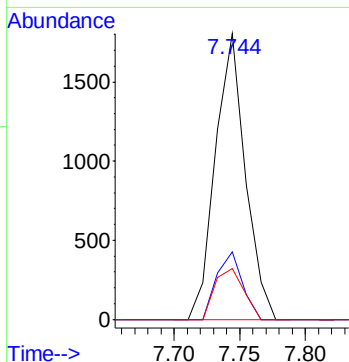
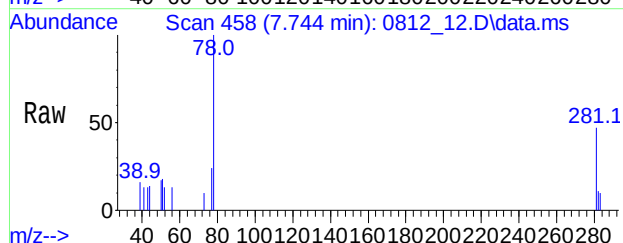
#5
 Trichlorofluoromethane
 Conc: 8\$ 1.223 ppbv
 RT: 4.815 min Scan# 151
 Delta R.T. 0.011 min
 Lab File: 0812_12.D
 Acq: 12 Aug 2020 10:13 pm

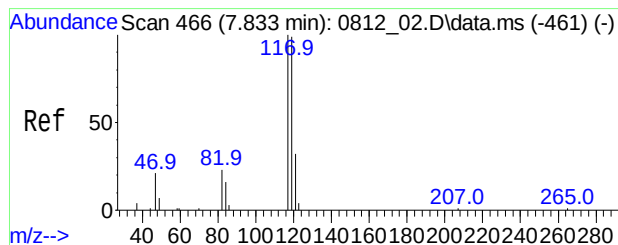
Tgt Ion	Ratio	Resp	Lower	Upper
101	100	44397		
103	63.7	51.6	77.4	
66	11.9	9.3	13.9	



#13
 Benzene
 Conc: 8\$ 0.076 ppbv
 RT: 7.744 min Scan# 458
 Delta R.T. -0.000 min
 Lab File: 0812_12.D
 Acq: 12 Aug 2020 10:13 pm

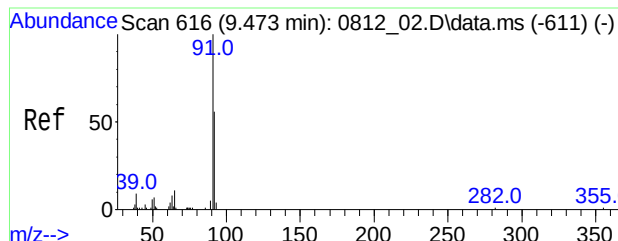
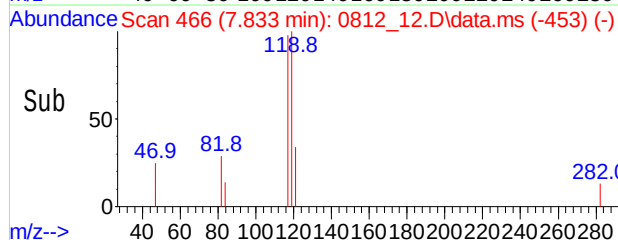
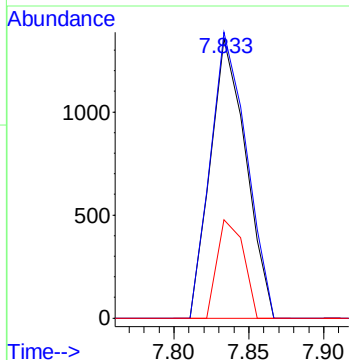
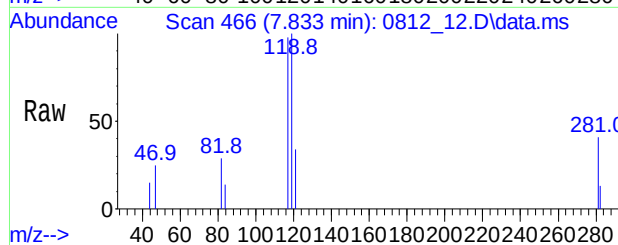
Tgt Ion	Ratio	Resp	Lower	Upper
78	100	2889		
77	20.2	18.6	27.8	
51	17.2	14.4	21.6	





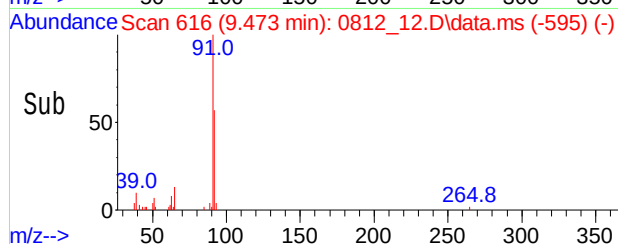
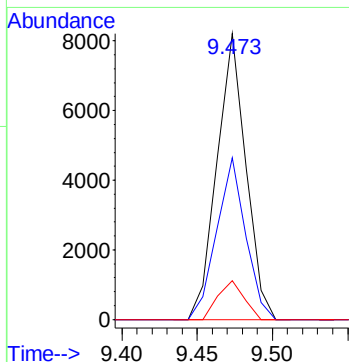
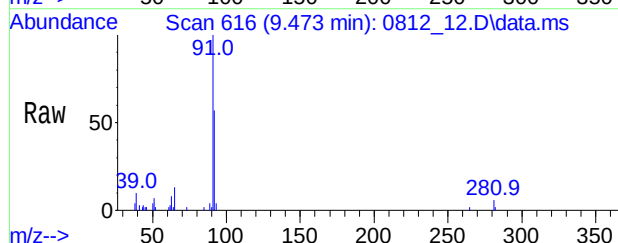
#14
Carbon Tetrachloride
Conc: 8\$ Below Cal
RT: 7.833 min Scan# 466
Delta R.T. -0.000 min
Lab File: 0812_12.D
Acq: 12 Aug 2020 10:13 pm

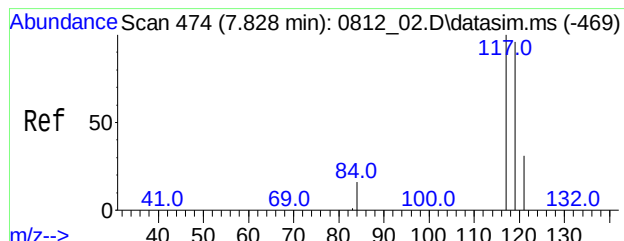
Tgt Ion	Ratio	Resp	Lower	Upper
117	100	2216		
119	104.1	78.1	118.1	
121	26.2	11.3	51.3	



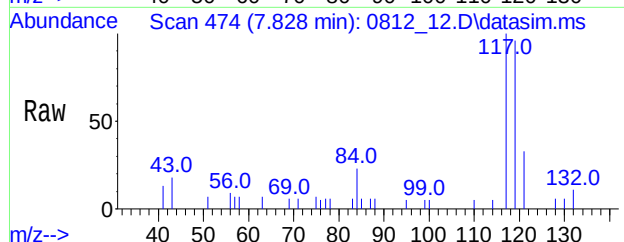
#18
Toluene
Conc: 8\$ 0.236 ppbv
RT: 9.473 min Scan# 616
Delta R.T. -0.000 min
Lab File: 0812_12.D
Acq: 12 Aug 2020 10:13 pm

Tgt Ion	Ratio	Resp	Lower	Upper
91	100	11078		
92	56.8	47.5	71.3	
65	12.1	9.2	13.8	

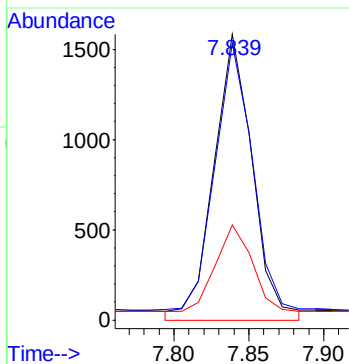
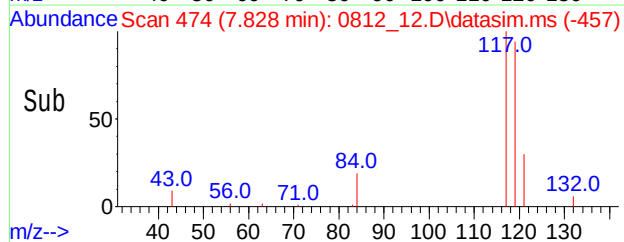




#35
 Carbon Tetrachloride(sim)
 Conc: 8\$ 0.063 ppbv
 RT: 7.833 min Scan# 474
 Delta R.T. -0.000 min
 Lab File: 0812_12.D
 Acq: 12 Aug 2020 10:13 pm



Tgt Ion	Ratio	Resp	Lower	Upper
117	100	2216		
119	104.1	78.5	117.7	
121	26.2	25.0	37.6	



Data Path : H:\AIR2020\CHEM20\08AUG\12\
 Data File : 0812_13.D
 Acq On : 12 Aug 2020 10:53 pm
 Operator :
 Client ID : IA-DUP
 Lab ID : CG52619
 ALS Vial : 16 Sample Multiplier: 1

Quant Time: Oct 02 13:08:46 2020
 Quant Method : H:\AIR2020\CHEM20\METHODS\20_AIR_0812_WALDEN.M
 Quant Title : VOA Standards for 5 point calibration
 QLast Update : Fri Oct 02 13:04:18 2020
 Response via : Initial Calibration

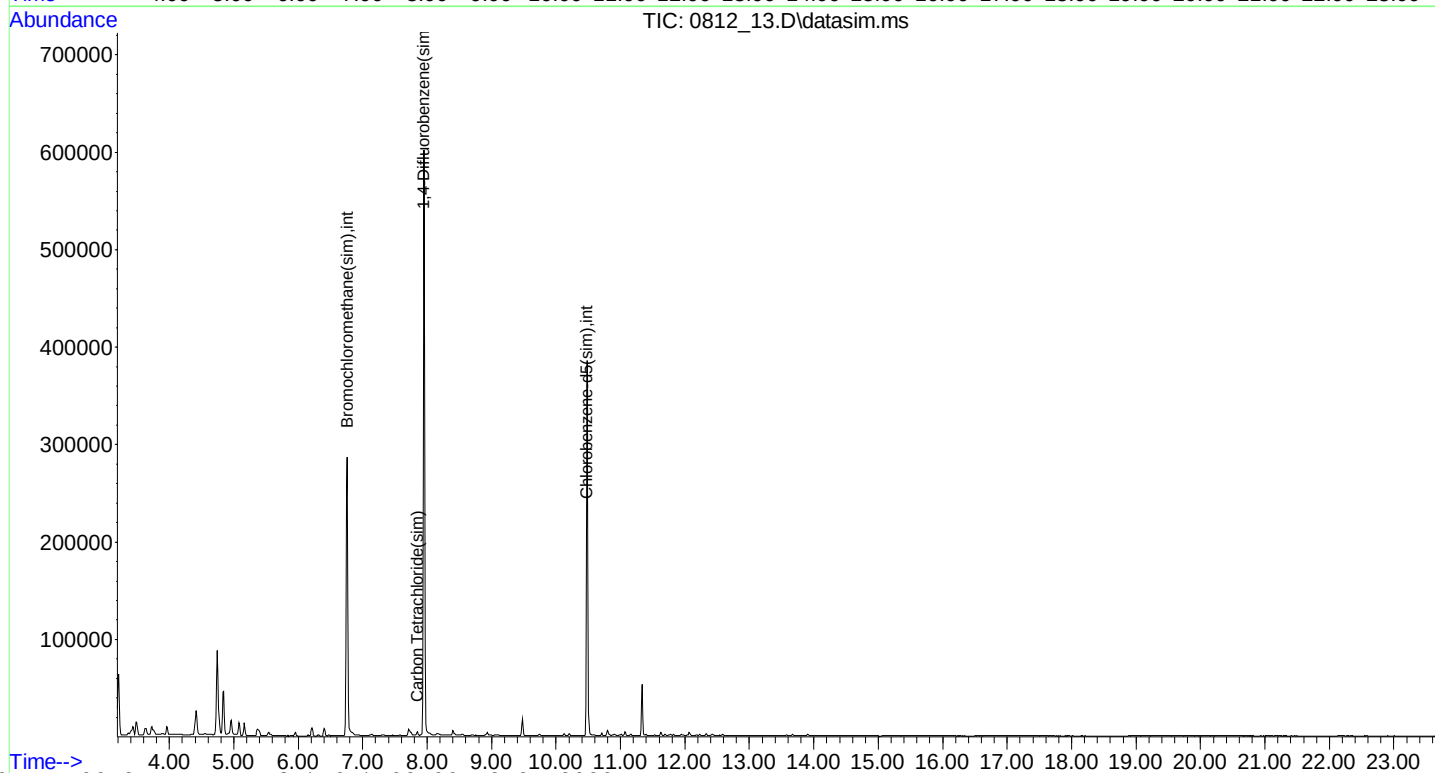
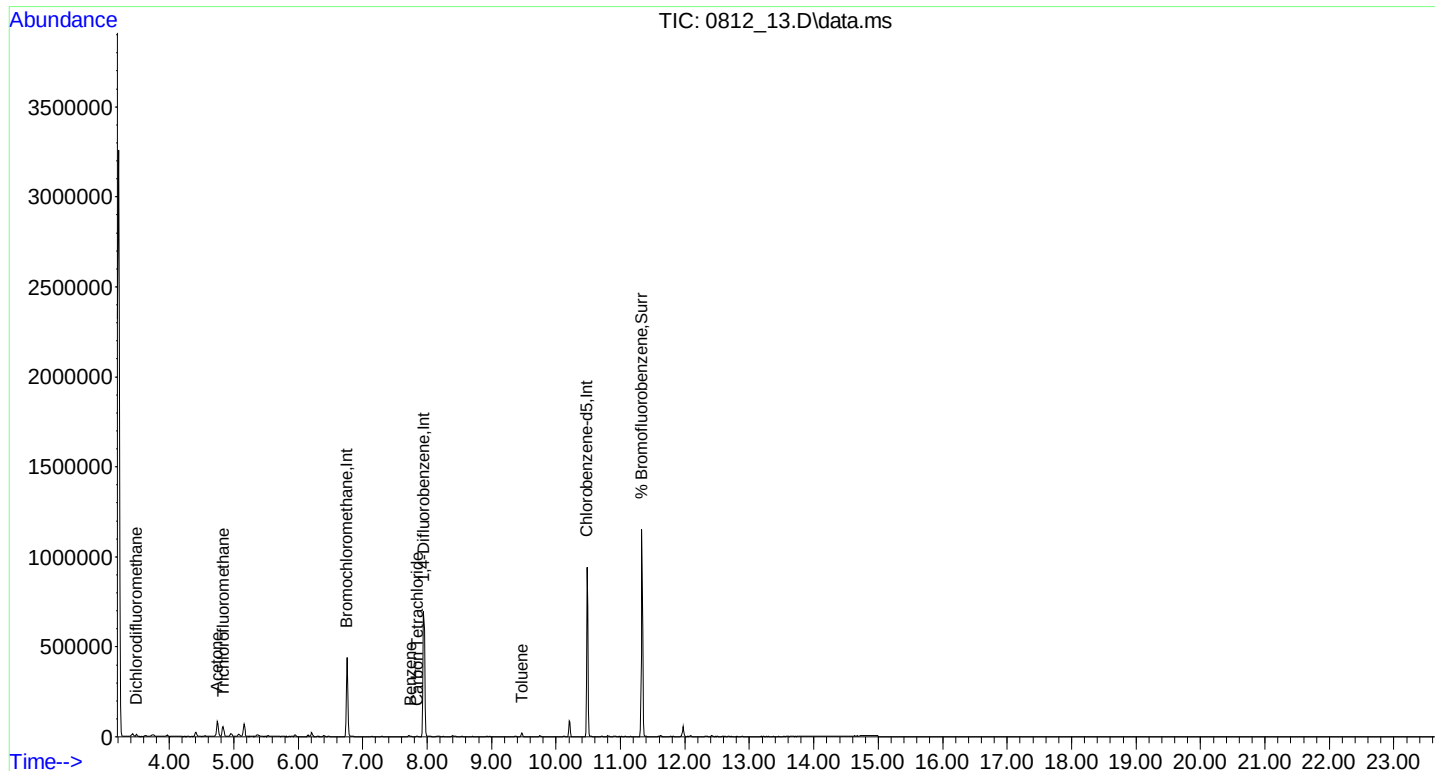
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	6.756	130	144245	10.000	ng	0.01
15) 1,4-Difluorobenzene	7.945	114	518104	10.000	ng	0.00
20) Chlorobenzene-d5	10.481	82	230495	10.000	ng	-0.01
30) Bromochloromethane(sim)	6.762	130	154396	10.000	ng	# 0.01
41) 1,4-Difluorobenzene(sim)	7.945	114	517805	10.000	ng	0.00
47) Chlorobenzene-d5(sim)	10.481	82	230494	10.000	ng	# 0.00
System Monitoring Compounds						
25) % Bromofluorobenzene	11.332	95	276488	9.803	ppbv	0.00
Spiked Amount	10.000	Range	70 - 130	Recovery	=	98.00%
Target Compounds						
2) Dichlorodifluoromethane	3.490	85	12658	0.412	ppbv	Qvalue 97
4) Acetone	4.740	43	100509	4.877	ppbv	95
5) Trichlorofluoromethane	4.837	101	45254	1.252	ppbv	98
13) Benzene	7.744	78	2564	0.068	ppbv	97
14) Carbon Tetrachloride	7.844	117	2125	0.065	ppbv	86
18) Toluene	9.473	91	12581	0.273	ppbv	99
35) Carbon Tetrachloride(sim)	7.844	117	2125	0.061	ppbv	86

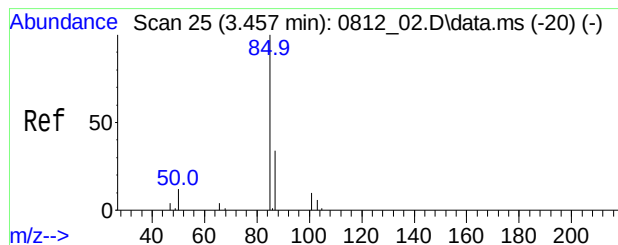
(#)out of range (m)manual integration reviewed by analyst (+)signals summed

Quantitation Report (QT Reviewed)

Data Path : H:\AIR2020\CHEM20\08AUG\12\
 Data File : 0812_13.D
 Acq On : 12 Aug 2020 10:53 pm
 Operator :
 Client ID : IA-DUP
 Lab ID : CG52619
 ALS Vial : 16 Sample Multiplier: 1

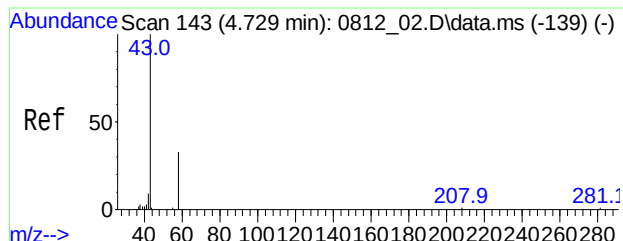
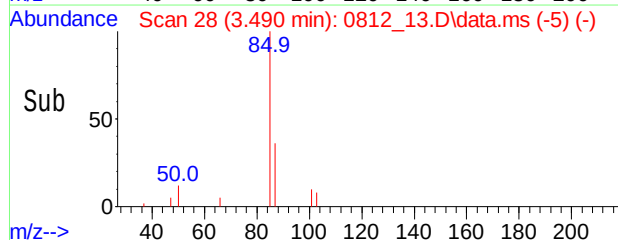
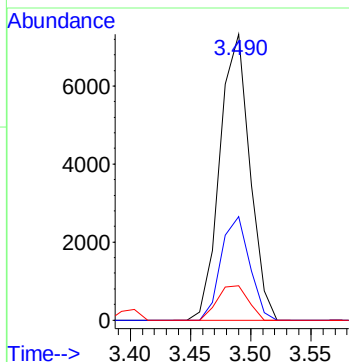
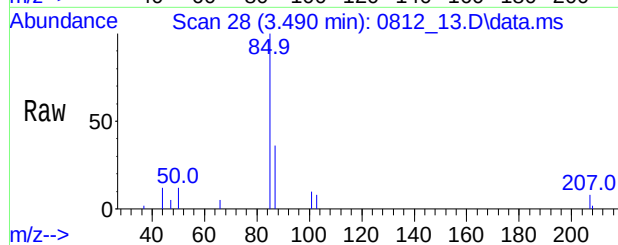
Quant Time: Oct 02 13:08:46 2020
 Quant Method : H:\AIR2020\CHEM20\METHODS\20_AIR_0812_WALDEN.M
 Quant Title : VOA Standards for 5 point calibration
 Last Update : Fri Oct 02 13:04:18 2020
 Response via : Initial Calibration





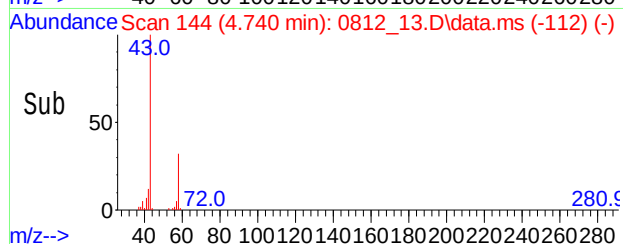
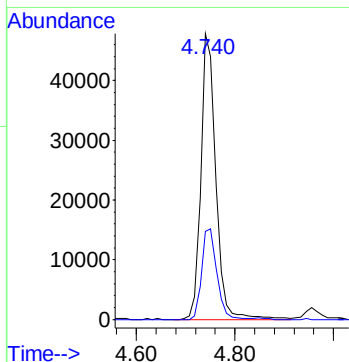
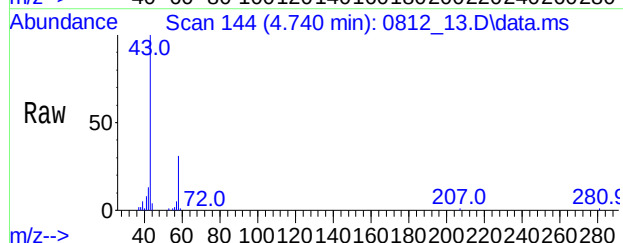
#2
Dichlorodifluoromethane
Conc: 8\$ 0.412 ppbv
RT: 3.490 min Scan# 28
Delta R.T. 0.043 min
Lab File: 0812_13.D
Acq: 12 Aug 2020 10:53 pm

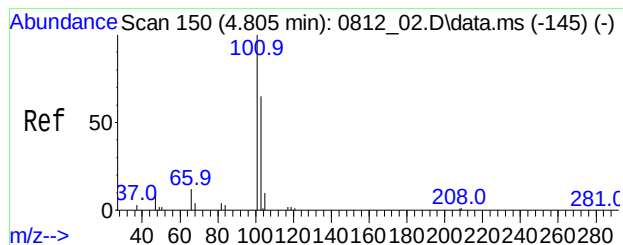
Tgt Ion	Ratio	Resp	Lower	Upper
85	100	12658		
87	34.4	26.1	39.1	
50	12.5	9.4	14.0	



#4
Acetone
Conc: 8\$ 4.877 ppbv
RT: 4.740 min Scan# 144
Delta R.T. 0.043 min
Lab File: 0812_13.D
Acq: 12 Aug 2020 10:53 pm

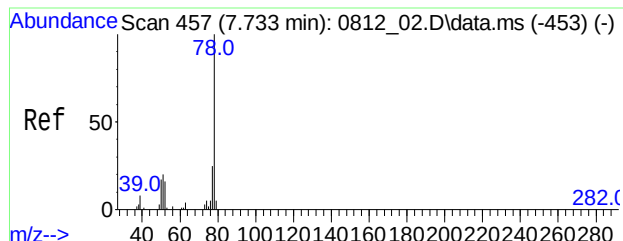
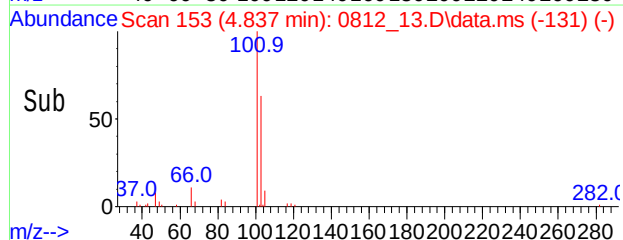
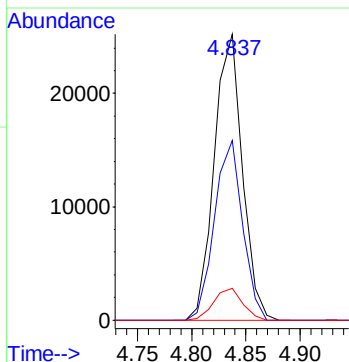
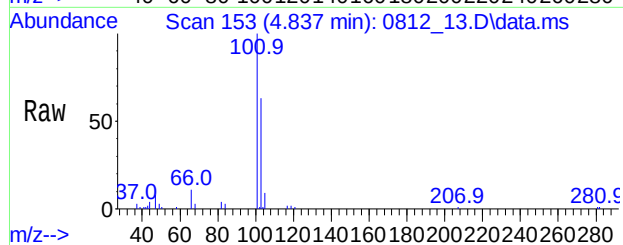
Tgt Ion	Ratio	Resp	Lower	Upper
43	100	100509		
58	32.4	28.1	42.1	





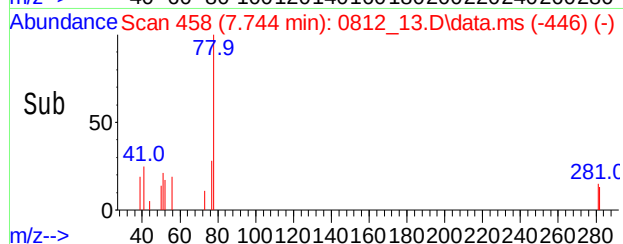
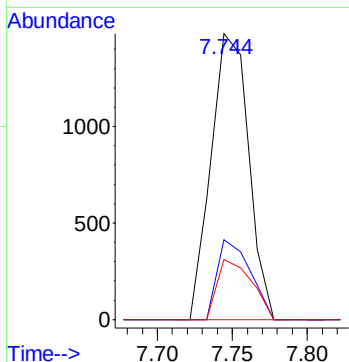
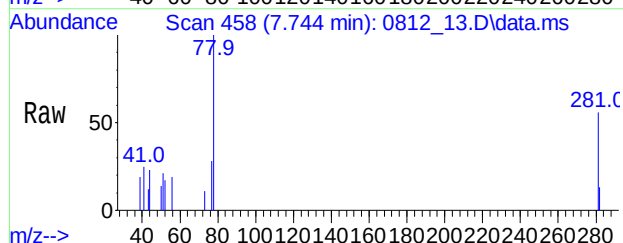
#5
 Trichlorofluoromethane
 Conc: 8\$ 1.252 ppbv
 RT: 4.837 min Scan# 153
 Delta R.T. 0.032 min
 Lab File: 0812_13.D
 Acq: 12 Aug 2020 10:53 pm

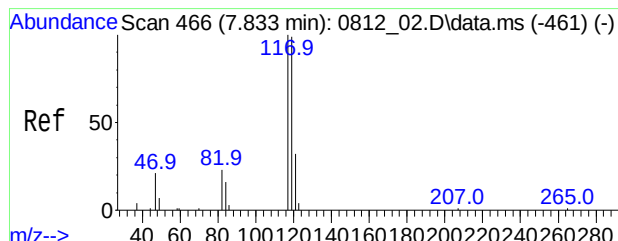
Tgt Ion	Ratio	Resp	Lower	Upper
101	100	45254		
103	62.8	51.6	77.4	
66	11.4	9.3	13.9	



#13
 Benzene
 Conc: 8\$ 0.068 ppbv
 RT: 7.744 min Scan# 458
 Delta R.T. -0.000 min
 Lab File: 0812_13.D
 Acq: 12 Aug 2020 10:53 pm

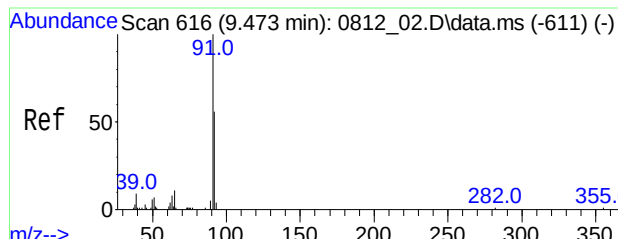
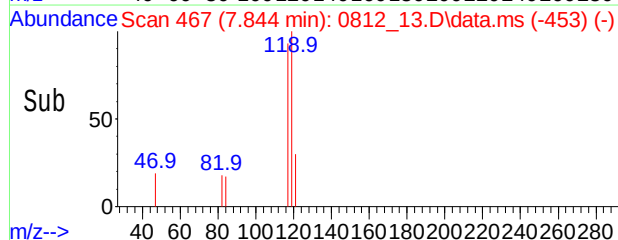
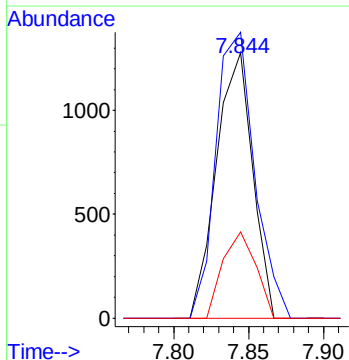
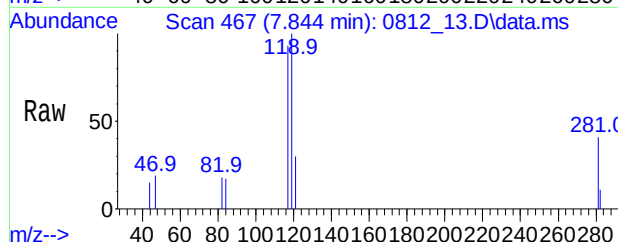
Tgt Ion	Ratio	Resp	Lower	Upper
78	100	2564		
77	24.6	18.6	27.8	
51	19.3	14.4	21.6	





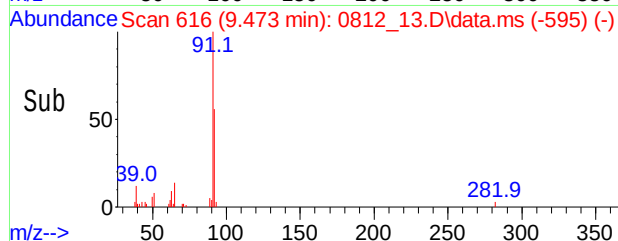
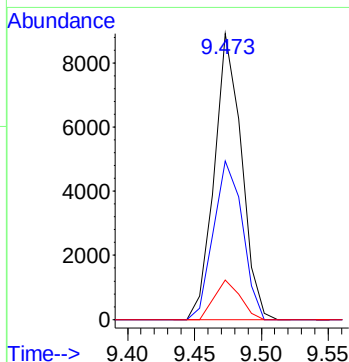
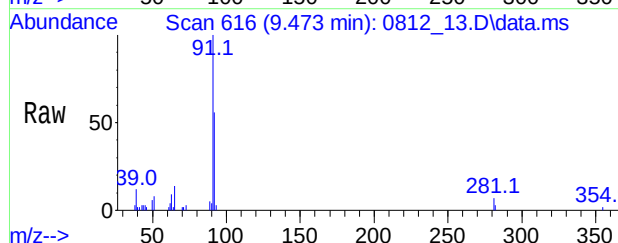
#14
Carbon Tetrachloride
Conc: 8\$ Below Cal
RT: 7.844 min Scan# 467
Delta R.T. 0.011 min
Lab File: 0812_13.D
Acq: 12 Aug 2020 10:53 pm

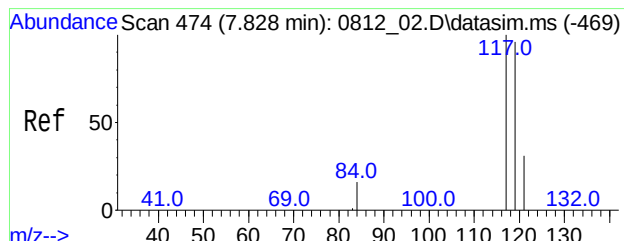
Tgt Ion	Ratio	Resp	Lower	Upper
117	100	2125		
119	115.6	78.1	118.1	
121	29.7	11.3	51.3	



#18
Toluene
Conc: 8\$ 0.273 ppbv
RT: 9.473 min Scan# 616
Delta R.T. -0.000 min
Lab File: 0812_13.D
Acq: 12 Aug 2020 10:53 pm

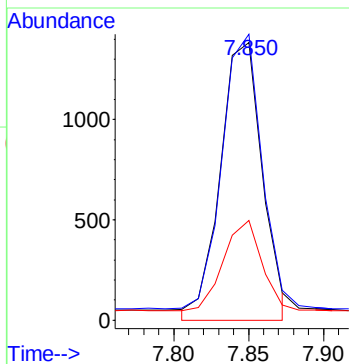
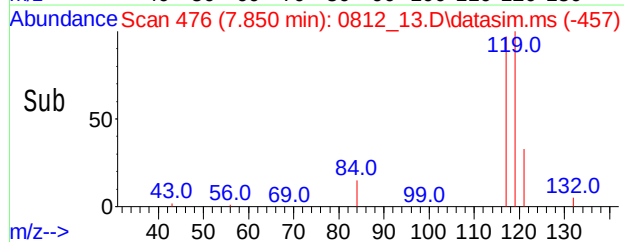
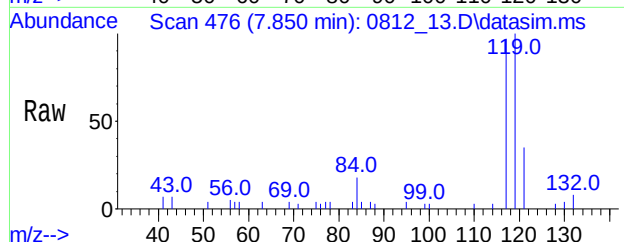
Tgt Ion	Ratio	Resp	Lower	Upper
91	100	12581		
92	59.2	47.5	71.3	
65	13.1	9.2	13.8	





#35
Carbon Tetrachloride(sim)
Conc: 8\$ 0.061 ppbv
RT: 7.844 min Scan# 476
Delta R.T. 0.011 min
Lab File: 0812_13.D
Acq: 12 Aug 2020 10:53 pm

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	2125		
119	115.6	78.5	117.7	
121	29.7	25.0	37.6	



Data Path : H:\AIR2020\CHEM20\08AUG\12\
 Data File : 0812_14.D
 Acq On : 12 Aug 2020 11:34 pm
 Operator :
 Client ID : IA-1 (ENTRY HALLWAY)
 Lab ID : CG52620
 ALS Vial : 17 Sample Multiplier: 1

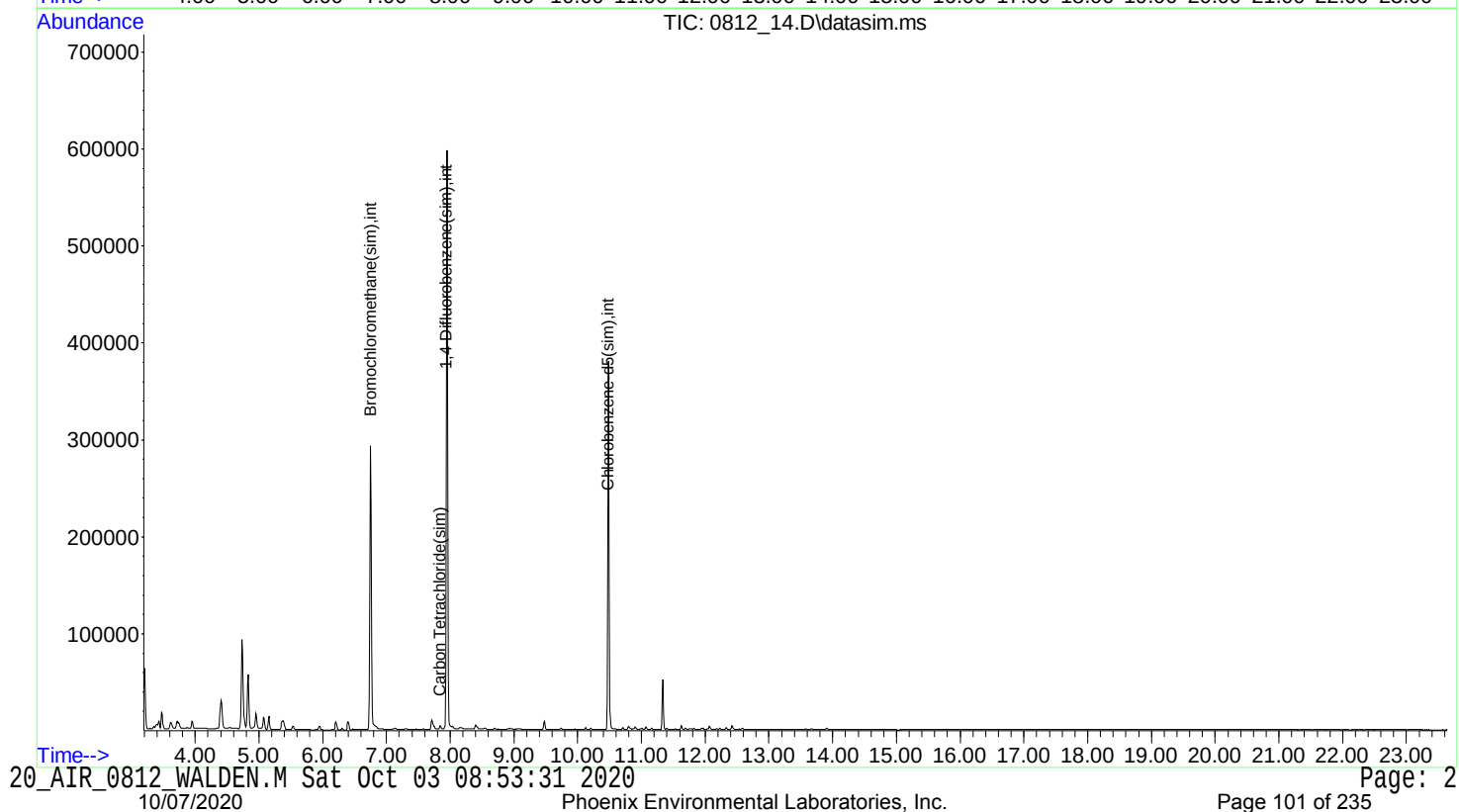
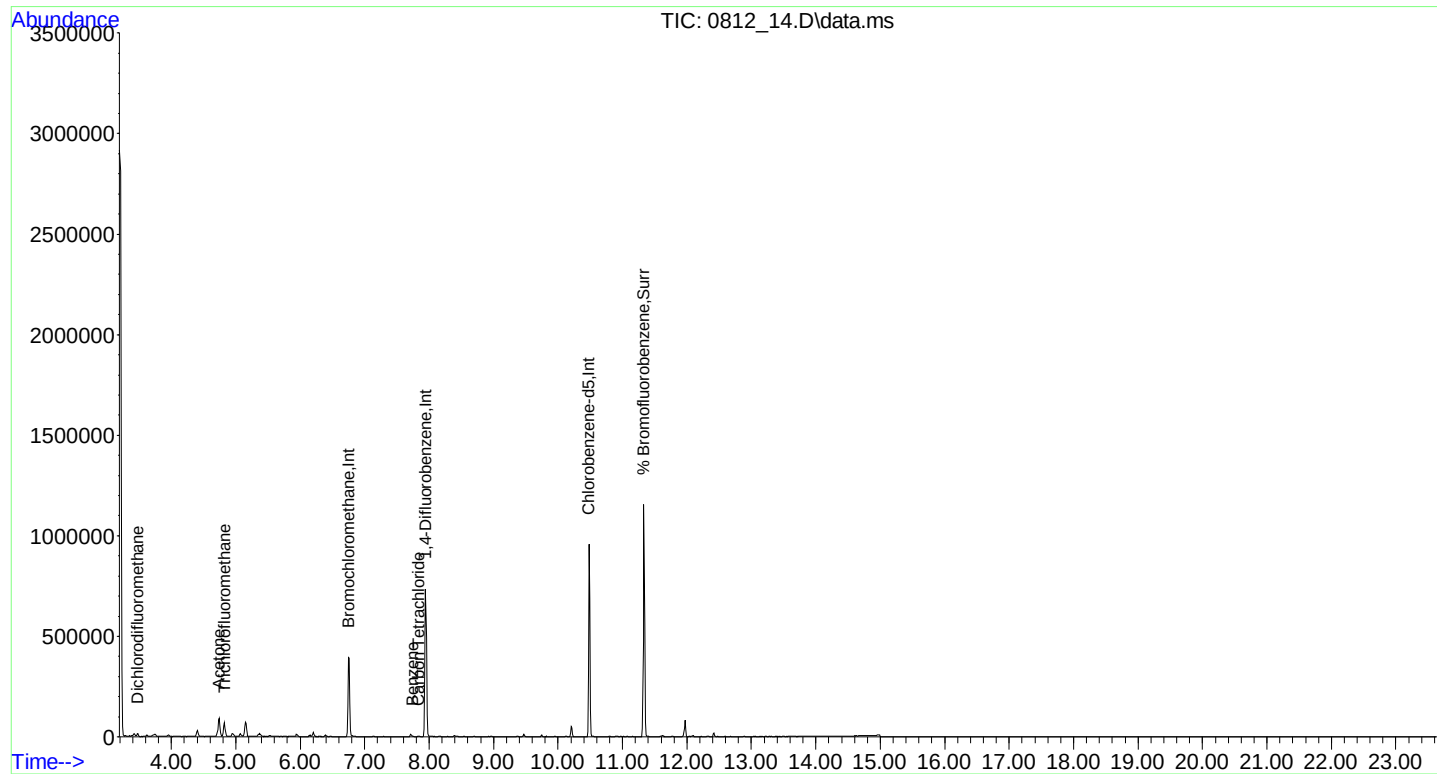
Quant Time: Oct 02 13:08:49 2020
 Quant Method : H:\AIR2020\CHEM20\METHODS\20_AIR_0812_WALDEN.M
 Quant Title : VOA Standards for 5 point calibration
 Qlast Update : Fri Oct 02 13:04:18 2020
 Response via : Initial Calibration

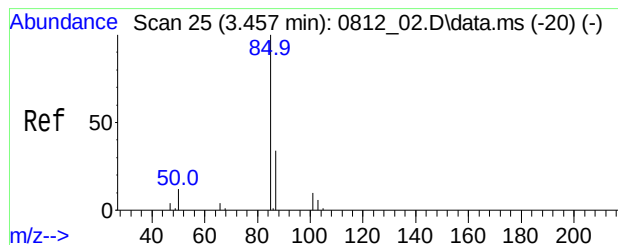
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	6.756	130	143051	10.000	ng	0.01
15) 1,4-Difluorobenzene	7.945	114	519821	10.000	ng	0.00
20) Chlorobenzene-d5	10.482	82	226008	10.000	ng	-0.01
30) Bromochloromethane(sim)	6.752	130	153172	10.000	ng	# 0.00
41) 1,4-Difluorobenzene(sim)	7.945	114	519155	10.000	ng	0.00
47) Chlorobenzene-d5(sim)	10.482	82	226008	10.000	ng	# 0.00
System Monitoring Compounds						
25) % Bromofluorobenzene	11.332	95	276534	9.999	ppbv	0.00
Spiked Amount	10.000	Range	70 - 130	Recovery	=	100.00%
Target Compounds						
2) Dichlorodifluoromethane	3.479	85	16458	0.540	ppbv	Qvalue 100
4) Acetone	4.740	43	111590	5.460	ppbv	96
5) Trichlorofluoromethane	4.826	101	52878	1.475	ppbv	98
13) Benzene	7.744	78	2281	0.061	ppbv#	91
14) Carbon Tetrachloride	7.833	117	2154	0.066	ppbv	93
35) Carbon Tetrachloride(sim)	7.833	117	2154	0.063	ppbv	93

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

Data Path : H:\AIR2020\CHEM20\08AUG\12\
Data File : 0812_14.D
Acq On : 12 Aug 2020 11:34 pm
Operator :
Client ID : IA-1 (ENTRY HALLWAY)
Lab ID : CG52620
ALS Vial : 17 Sample Multiplier: 1

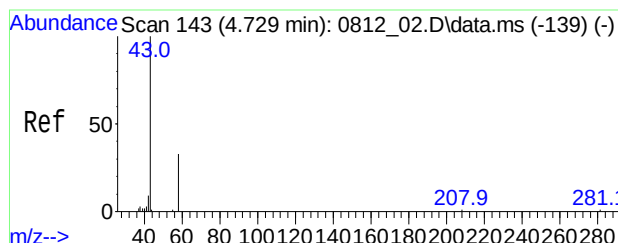
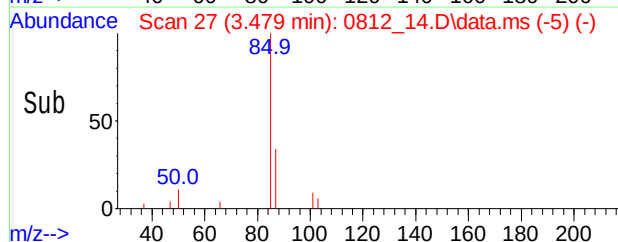
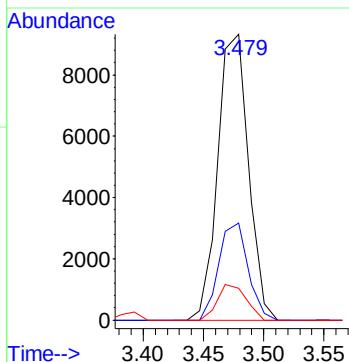
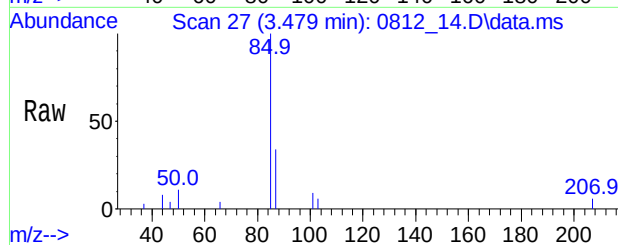
Quant Time: Oct 02 13:08:49 2020
Quant Method : H:\AIR2020\CHEM20\METHODS\20_AIR_0812_WALDEN.M
Quant Title : VOA Standards for 5 point calibration
Last Update : Fri Oct 02 13:04:18 2020
Response via : Initial Calibration





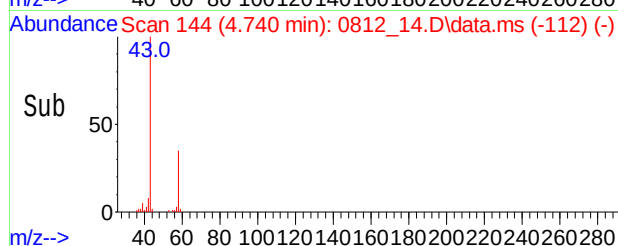
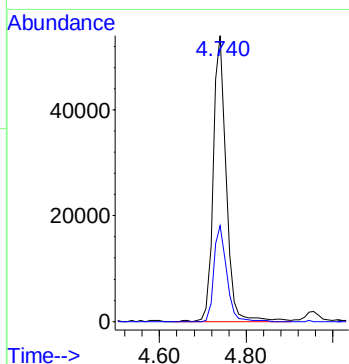
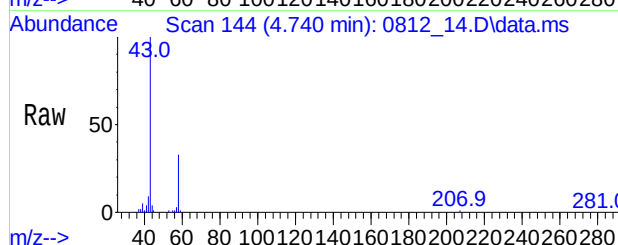
#2
Dichlorodifluoromethane
Conc: 8\$ 0.540 ppbv
RT: 3.479 min Scan# 27
Delta R.T. 0.032 min
Lab File: 0812_14.D
Acq: 12 Aug 2020 11:34 pm

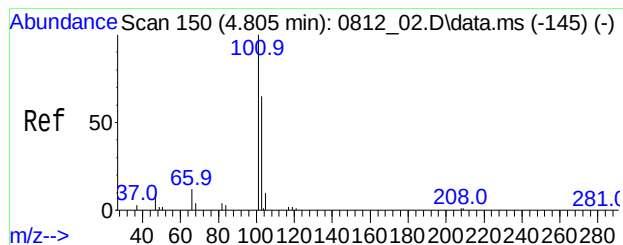
Tgt Ion	Ratio	Resp	Lower	Upper
85	100	16458		
87	32.5	26.1	39.1	
50	11.8	9.4	14.0	



#4
Acetone
Conc: 8\$ 5.460 ppbv
RT: 4.740 min Scan# 144
Delta R.T. 0.043 min
Lab File: 0812_14.D
Acq: 12 Aug 2020 11:34 pm

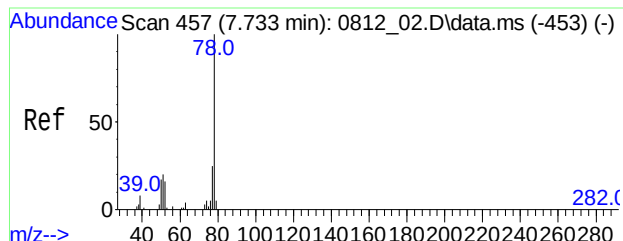
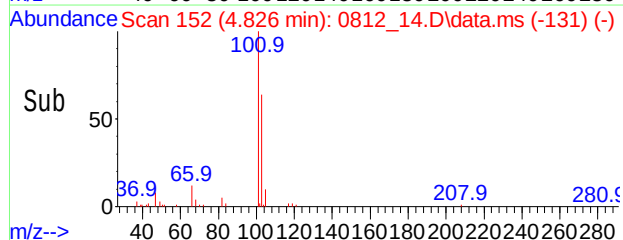
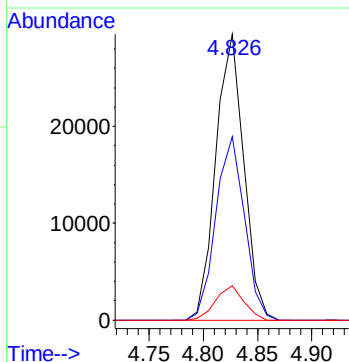
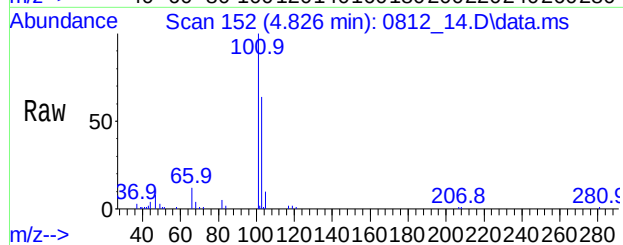
Tgt Ion	Ratio	Resp	Lower	Upper
43	100	111590		
58	32.8	28.1	42.1	





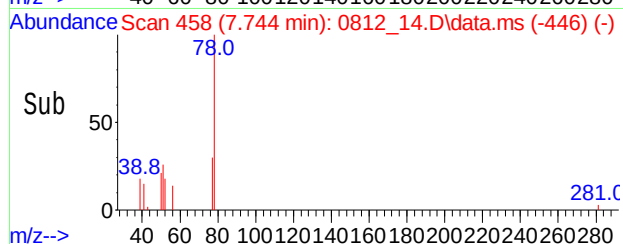
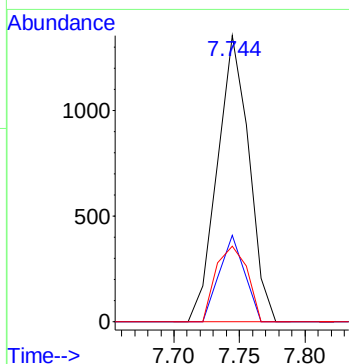
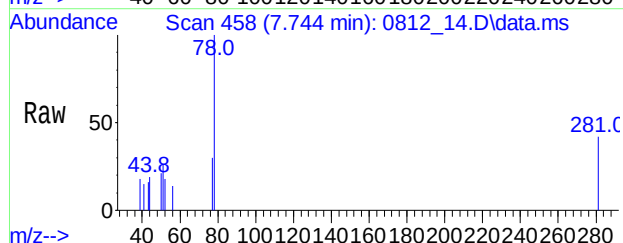
#5
Trichlorofluoromethane
Conc: 8\$ 1.475 ppbv
RT: 4.826 min Scan# 152
Delta R.T. 0.022 min
Lab File: 0812_14.D
Acq: 12 Aug 2020 11:34 pm

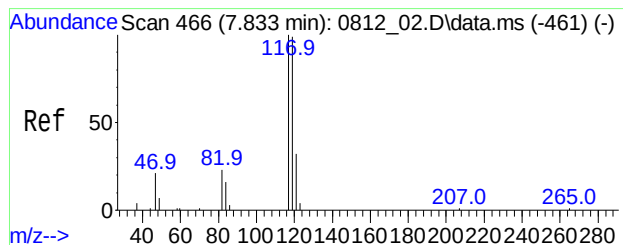
Tgt Ion	Ratio	Resp	Lower	Upper
101	100	52878		
103	65.8	51.6	77.4	
66	12.1	9.3	13.9	



#13
Benzene
Conc: 8\$ 0.061 ppbv
RT: 7.744 min Scan# 458
Delta R.T. -0.000 min
Lab File: 0812_14.D
Acq: 12 Aug 2020 11:34 pm

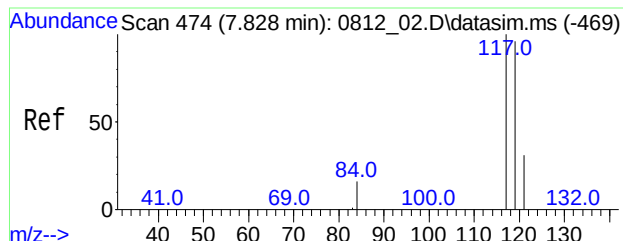
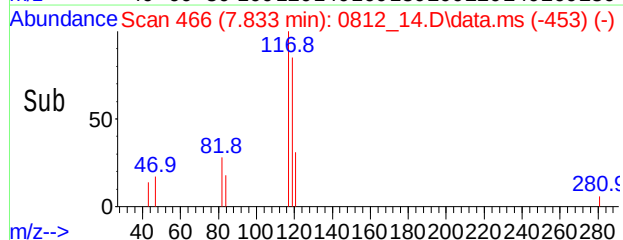
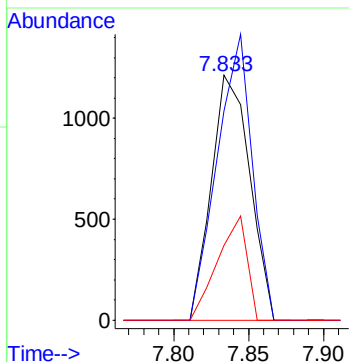
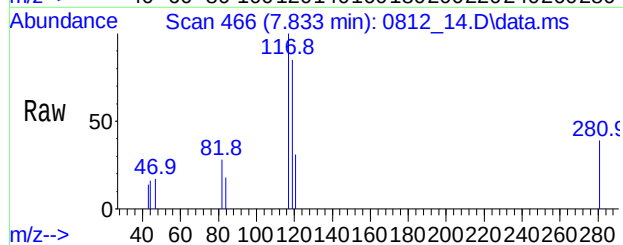
Tgt Ion	Ratio	Resp	Lower	Upper
78	100	2281		
77	24.2	18.6	27.8	
51	26.4	14.4	21.6	





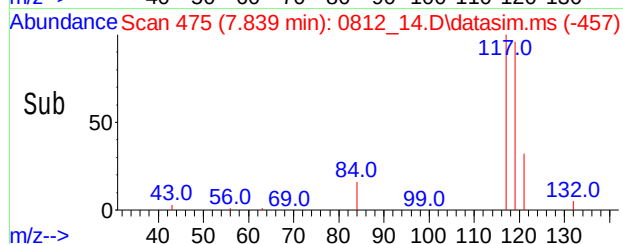
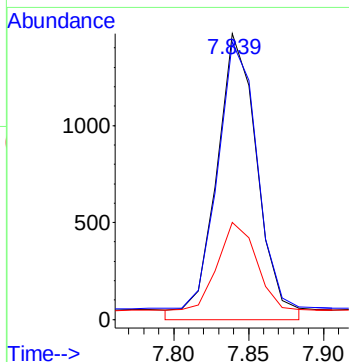
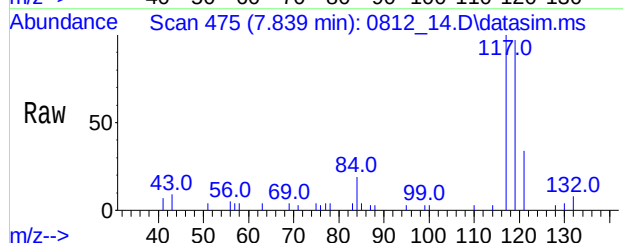
#14
Carbon Tetrachloride
Conc: 8\$ Below Cal
RT: 7.833 min Scan# 466
Delta R.T. -0.000 min
Lab File: 0812_14.D
Acq: 12 Aug 2020 11:34 pm

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	2154		
119	106.1	78.1	118.1	
121	32.6	11.3	51.3	



#35
Carbon Tetrachloride(sim)
Conc: 8\$ 0.063 ppbv
RT: 7.833 min Scan# 475
Delta R.T. -0.000 min
Lab File: 0812_14.D
Acq: 12 Aug 2020 11:34 pm

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	2154		
119	106.1	78.5	117.7	
121	32.6	25.0	37.6	



Data Path : H:\AIR2020\CHEM20\08AUG\12\
 Data File : 0812_15.D
 Acq On : 13 Aug 2020 12:15 am
 Operator :
 Client ID : IA-2 (RECEPTION AREA)
 Lab ID : CG52621
 ALS Vial : 18 Sample Multiplier: 1

Quant Time: Oct 02 13:08:53 2020
 Quant Method : H:\AIR2020\CHEM20\METHODS\20_AIR_0812_WALDEN.M
 Quant Title : VOA Standards for 5 point calibration
 Qlast Update : Fri Oct 02 13:04:18 2020
 Response via : Initial Calibration

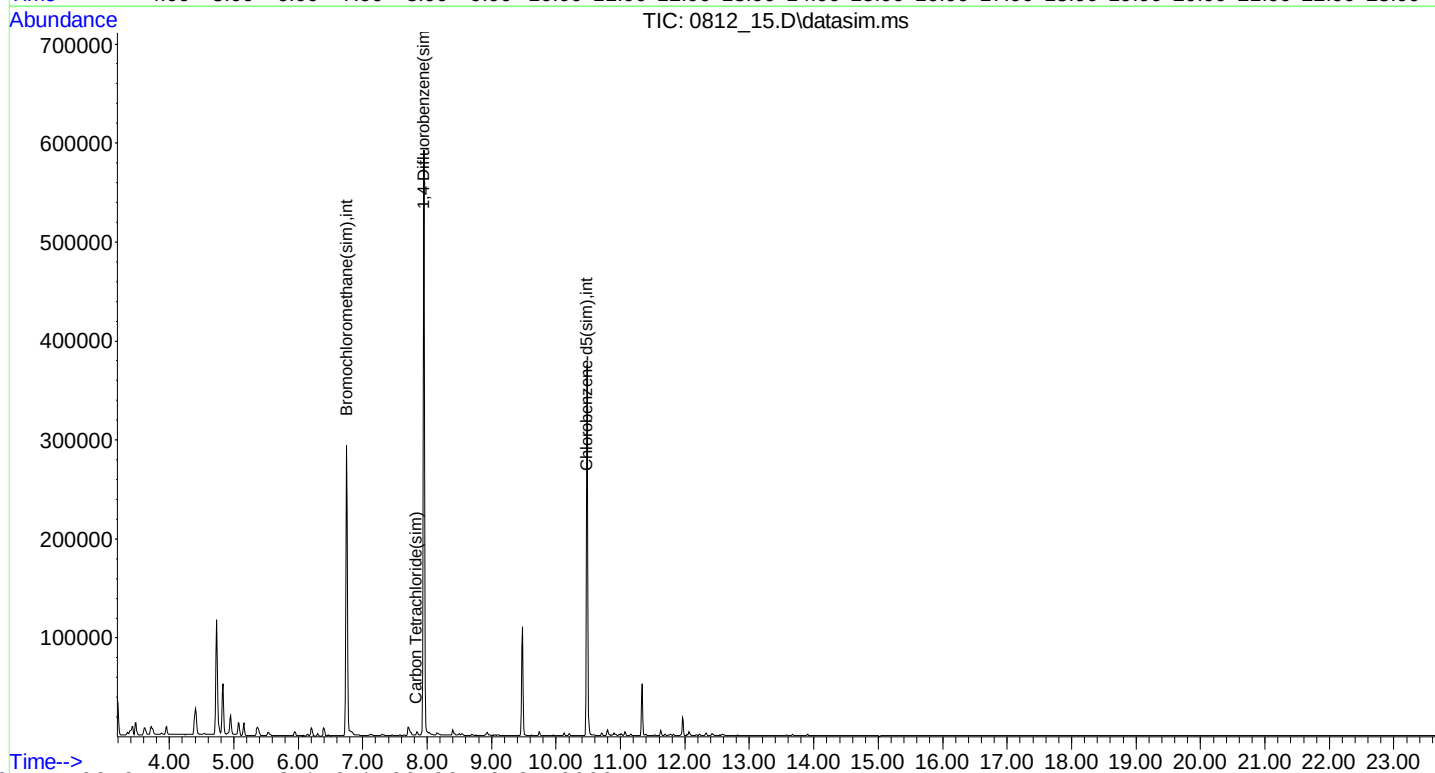
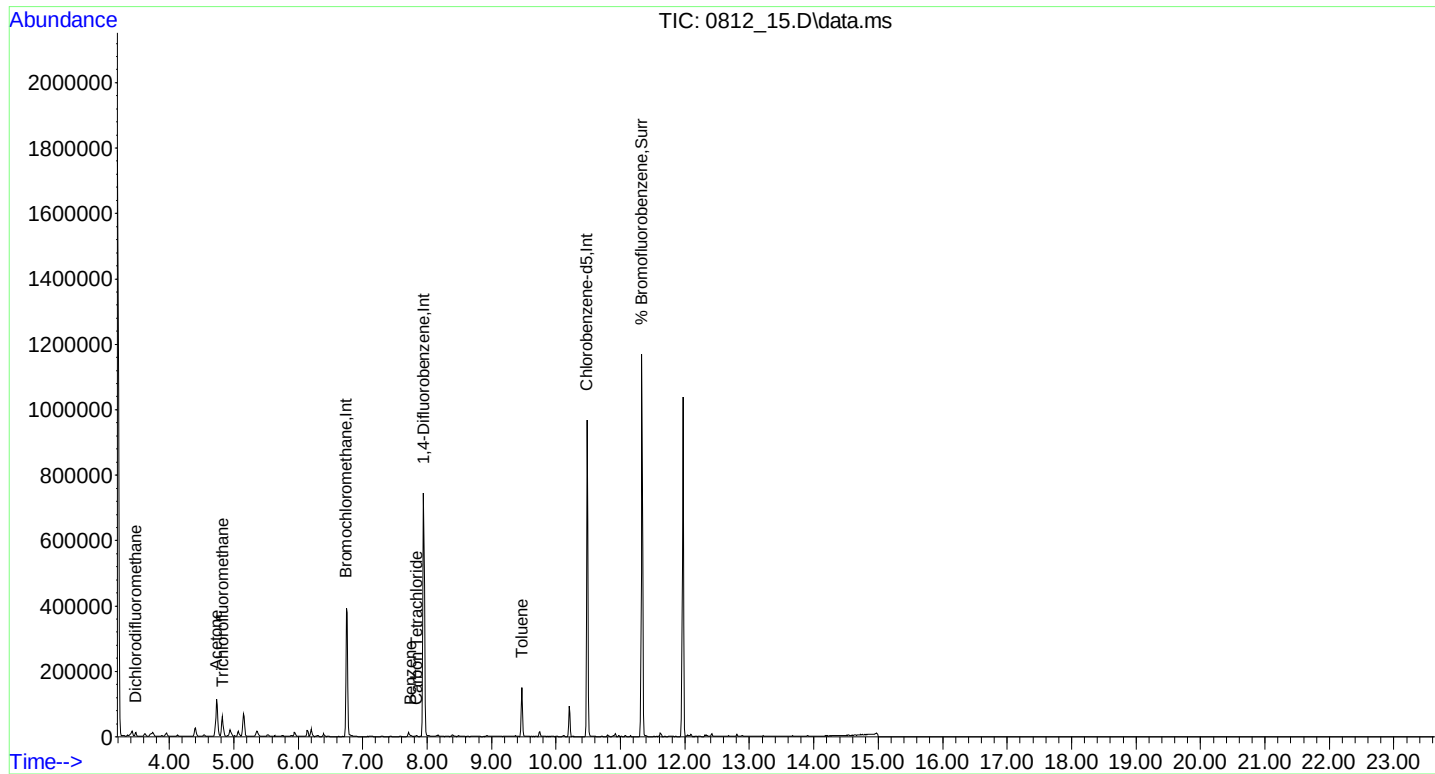
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	6.746	130	140803	10.000	ng	0.00
15) 1,4-Difluorobenzene	7.945	114	517086	10.000	ng	0.00
20) Chlorobenzene-d5	10.481	82	230071	10.000	ng	-0.01
30) Bromochloromethane(sim)	6.752	130	154227	10.000	ng	# 0.00
41) 1,4-Difluorobenzene(sim)	7.945	114	516589	10.000	ng	0.00
47) Chlorobenzene-d5(sim)	10.481	82	230071	10.000	ng	# 0.00
System Monitoring Compounds						
25) % Bromofluorobenzene	11.332	95	279452	9.926	ppbv	0.00
Spiked Amount	10.000	Range	70 - 130	Recovery	=	99.30%
Target Compounds						
2) Dichlorodifluoromethane	3.479	85	12874	0.429	ppbv	Qvalue 98
4) Acetone	4.729	43	133281	6.626	ppbv	97
5) Trichlorofluoromethane	4.826	101	47121	1.335	ppbv	98
13) Benzene	7.744	78	2614	0.071	ppbv	95
14) Carbon Tetrachloride	7.833	117	2265	0.071	ppbv	97
18) Toluene	9.473	91	84509	1.836	ppbv	100
35) Carbon Tetrachloride(sim)	7.833	117	2265	0.065	ppbv	97

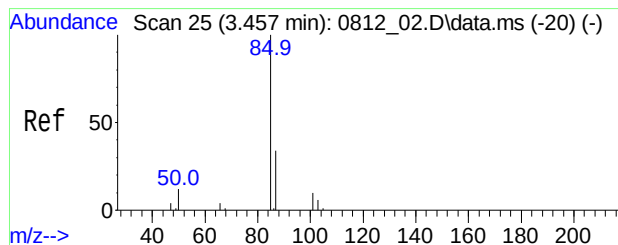
(#)out of range (m)manual integration reviewed by analyst (+)signals summed

Quantitation Report (QT Reviewed)

Data Path : H:\AIR2020\CHEM20\08AUG\12\
 Data File : 0812_15.D
 Acq On : 13 Aug 2020 12:15 am
 Operator :
 Client ID : IA-2 (RECEPTION AREA)
 Lab ID : CG52621
 ALS Vial : 18 Sample Multiplier: 1

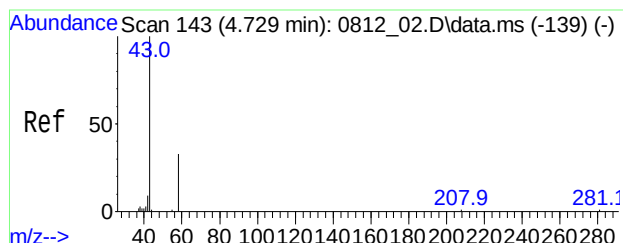
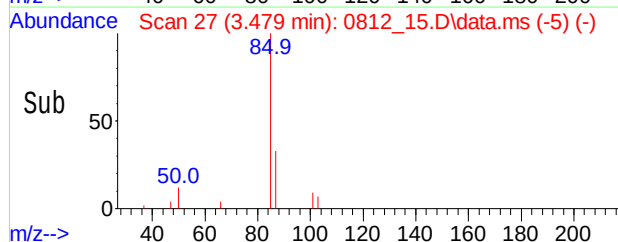
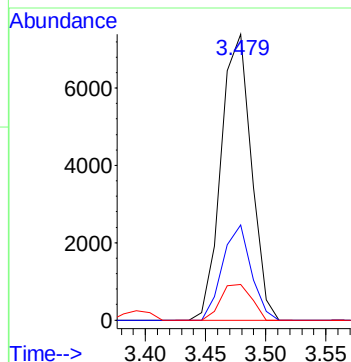
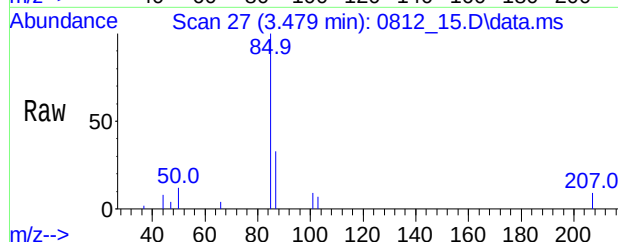
Quant Time: Oct 02 13:08:53 2020
 Quant Method : H:\AIR2020\CHEM20\METHODS\20_AIR_0812_WALDEN.M
 Quant Title : VOA Standards for 5 point calibration
 Last Update : Fri Oct 02 13:04:18 2020
 Response via : Initial Calibration





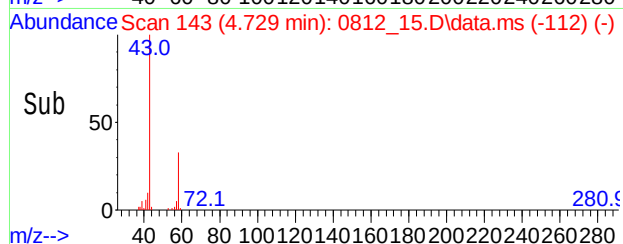
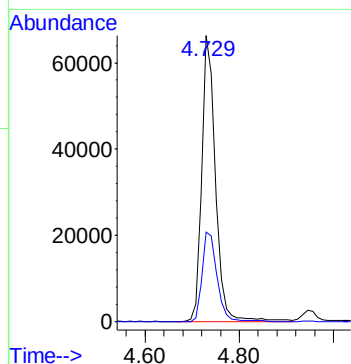
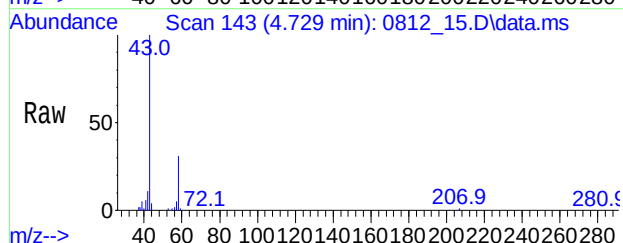
#2
Dichlorodifluoromethane
Conc: 8\$ 0.429 ppbv
RT: 3.479 min Scan# 27
Delta R.T. 0.032 min
Lab File: 0812_15.D
Acq: 13 Aug 2020 12:15 am

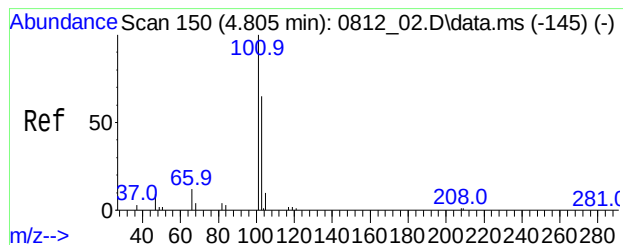
Tgt Ion	Ratio	Resp	Lower	Upper
85	100	12874		
87	31.5	26.1	39.1	
50	12.8	9.4	14.0	



#4
Acetone
Conc: 8\$ 6.626 ppbv
RT: 4.729 min Scan# 143
Delta R.T. 0.032 min
Lab File: 0812_15.D
Acq: 13 Aug 2020 12:15 am

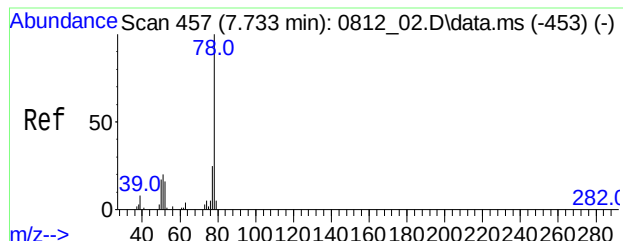
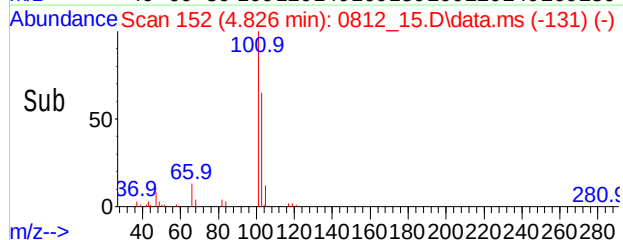
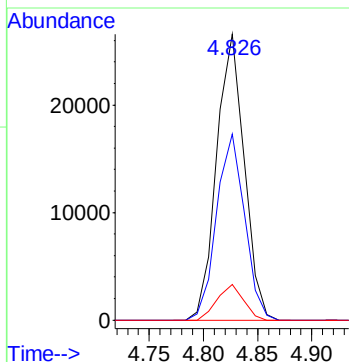
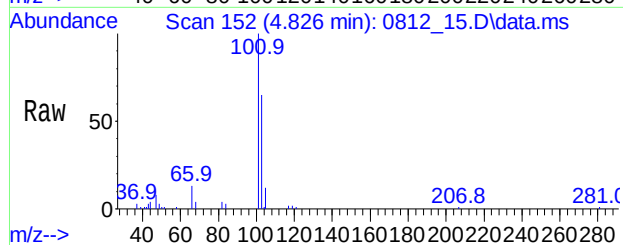
Tgt Ion	Ratio	Resp	Lower	Upper
43	100	133281		
58	33.2	28.1	42.1	





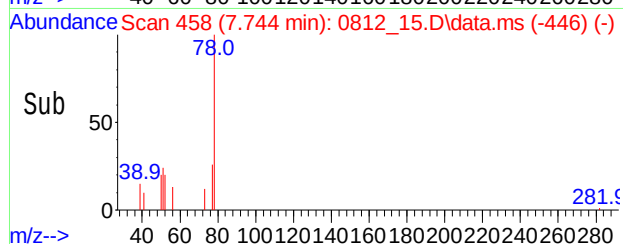
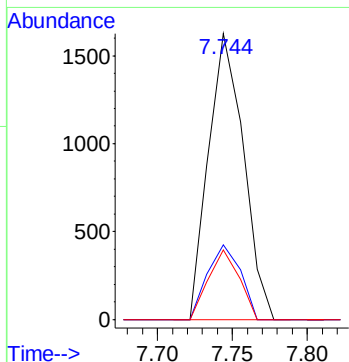
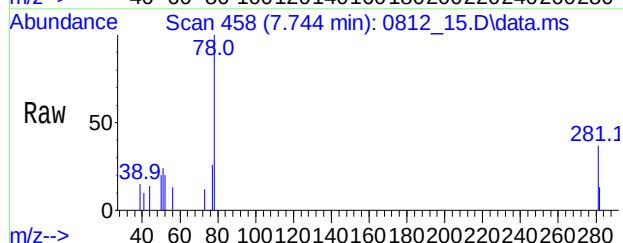
#5
 Trichlorofluoromethane
 Conc: 8\$ 1.335 ppbv
 RT: 4.826 min Scan# 152
 Delta R.T. 0.021 min
 Lab File: 0812_15.D
 Acq: 13 Aug 2020 12:15 am

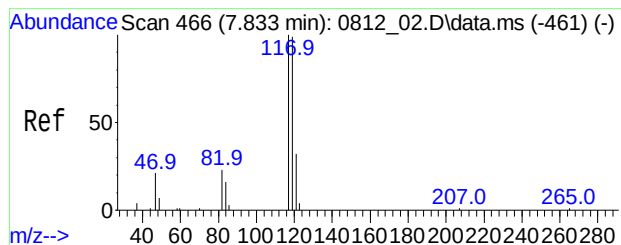
Tgt Ion	Ratio	Resp	Lower	Upper
101	100	47121		
103	65.9	51.6	77.4	
66	11.9	9.3	13.9	



#13
 Benzene
 Conc: 8\$ 0.071 ppbv
 RT: 7.744 min Scan# 458
 Delta R.T. -0.000 min
 Lab File: 0812_15.D
 Acq: 13 Aug 2020 12:15 am

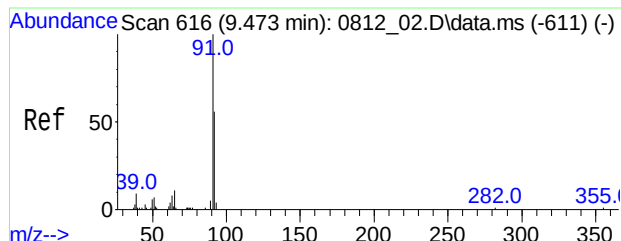
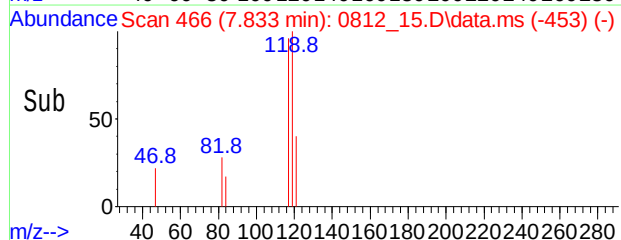
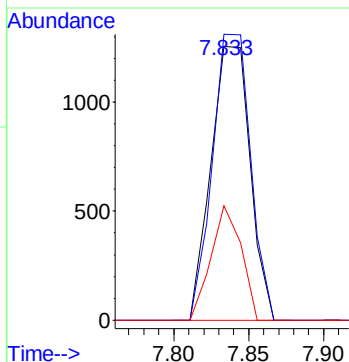
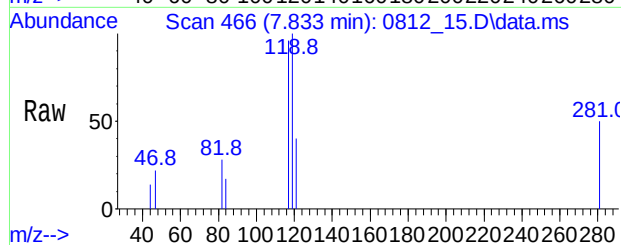
Tgt Ion	Ratio	Resp	Lower	Upper
78	100	2614		
77	24.6	18.6	27.8	
51	21.4	14.4	21.6	





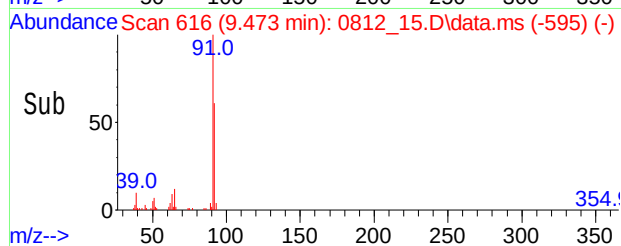
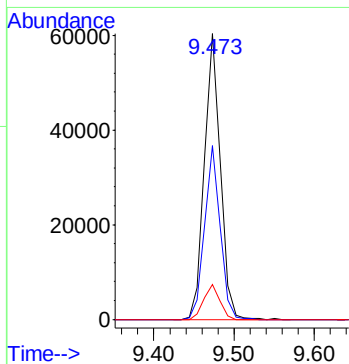
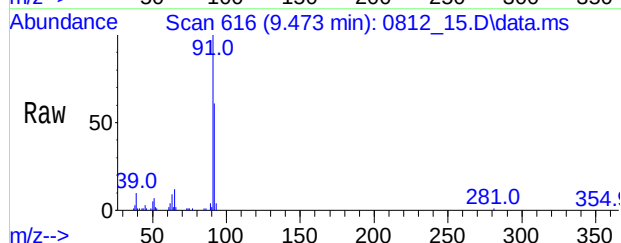
#14
Carbon Tetrachloride
Conc: 8\$ Below Cal
RT: 7.833 min Scan# 466
Delta R.T. -0.000 min
Lab File: 0812_15.D
Acq: 13 Aug 2020 12:15 am

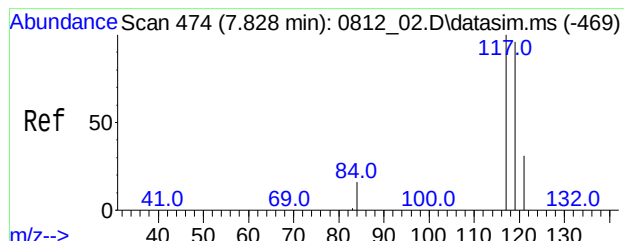
Tgt Ion	Ratio	Resp	Lower	Upper
117	100	2265		
119	101.7	78.1	118.1	
121	32.2	11.3	51.3	



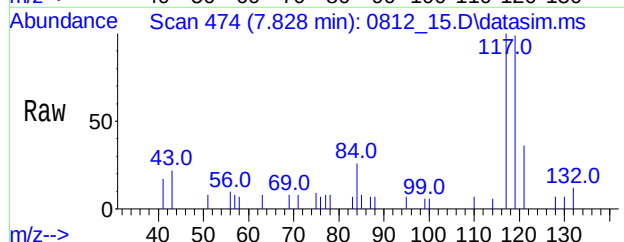
#18
Toluene
Conc: 8\$ 1.836 ppbv
RT: 9.473 min Scan# 616
Delta R.T. -0.000 min
Lab File: 0812_15.D
Acq: 13 Aug 2020 12:15 am

Tgt Ion	Ratio	Resp	Lower	Upper
91	100	84509		
92	59.3	47.5	71.3	
65	12.3	9.2	13.8	

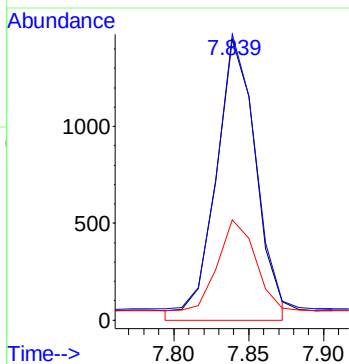
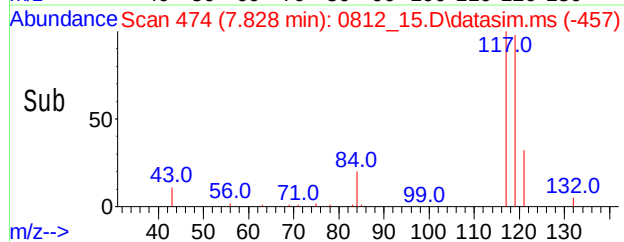




#35
 Carbon Tetrachloride(sim)
 Conc: 8\$ 0.065 ppbv
 RT: 7.833 min Scan# 474
 Delta R.T. -0.000 min
 Lab File: 0812_15.D
 Acq: 13 Aug 2020 12:15 am



Tgt Ion	Ratio	Resp	Lower	Upper
117	100	2265		
119	101.7	78.5	117.7	
121	32.2	25.0	37.6	



Data Path : H:\AIR2020\CHEM20\08AUG\12\
 Data File : 0812_16.D
 Acq On : 13 Aug 2020 12:56 am
 Operator :
 Client ID : IA-4 (MAIN EQUIPMENT AREA)
 Lab ID : CG52622
 ALS Vial : 19 Sample Multiplier: 1

Quant Time: Oct 02 13:08:57 2020
 Quant Method : H:\AIR2020\CHEM20\METHODS\20_AIR_0812_WALDEN.M
 Quant Title : VOA Standards for 5 point calibration
 QLast Update : Fri Oct 02 13:04:18 2020
 Response via : Initial Calibration

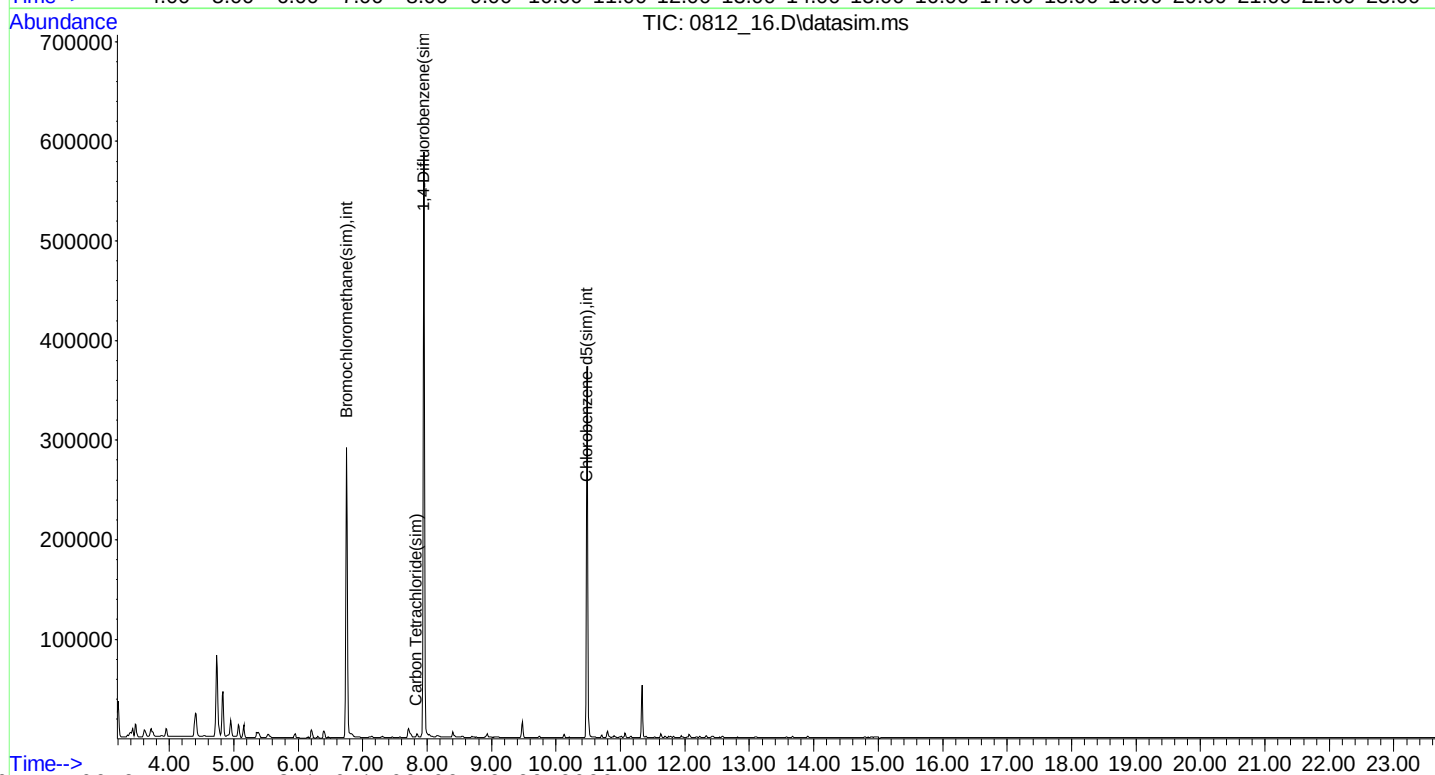
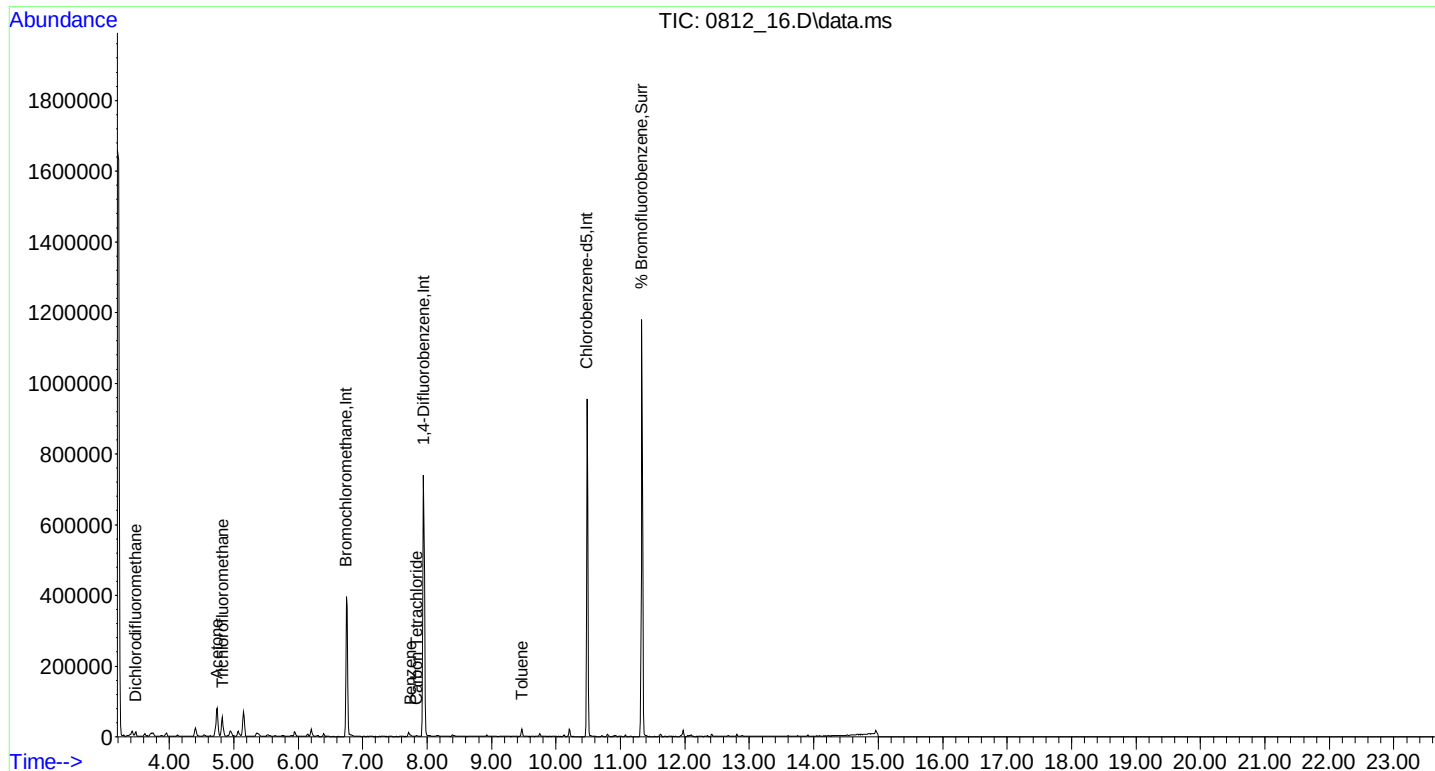
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	6.746	130	142456	10.000	ng	0.00
15) 1,4-Difluorobenzene	7.945	114	514502	10.000	ng	0.00
20) Chlorobenzene-d5	10.482	82	228424	10.000	ng	-0.01
30) Bromochloromethane(sim)	6.752	130	153275	10.000	ng	# 0.00
41) 1,4-Difluorobenzene(sim)	7.945	114	514115	10.000	ng	0.00
47) Chlorobenzene-d5(sim)	10.482	82	228424	10.000	ng	# 0.00
System Monitoring Compounds						
25) % Bromofluorobenzene	11.332	95	279704	10.007	ppbv	0.00
Spiked Amount	10.000	Range	70 - 130	Recovery	=	100.10%
Target Compounds						
2) Dichlorodifluoromethane	3.479	85	12536	0.413	ppbv	Qvalue 99
4) Acetone	4.740	43	98514	4.840	ppbv	97
5) Trichlorofluoromethane	4.826	101	43248	1.211	ppbv	99
13) Benzene	7.744	78	2945	0.079	ppbv	98
14) Carbon Tetrachloride	7.833	117	2255	0.070	ppbv	87
18) Toluene	9.473	91	12436	0.272	ppbv	94
35) Carbon Tetrachloride(sim)	7.833	117	2255	0.066	ppbv#	87

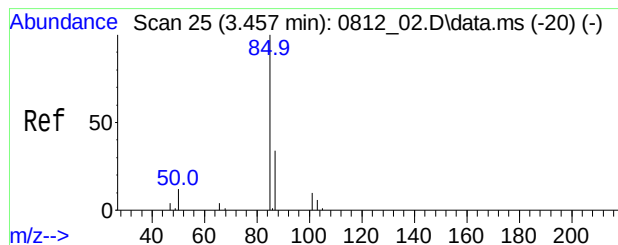
(#)out of range (m)manual integration reviewed by analyst (+)signals summed

Quantitation Report (QT Reviewed)

Data Path : H:\AIR2020\CHEM20\08AUG\12\
 Data File : 0812_16.D
 Acq On : 13 Aug 2020 12:56 am
 Operator :
 Client ID : IA-4 (MAIN EQUIPMENT AREA)
 Lab ID : CG52622
 ALS Vial : 19 Sample Multiplier: 1

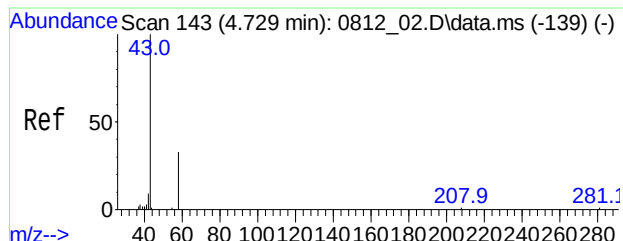
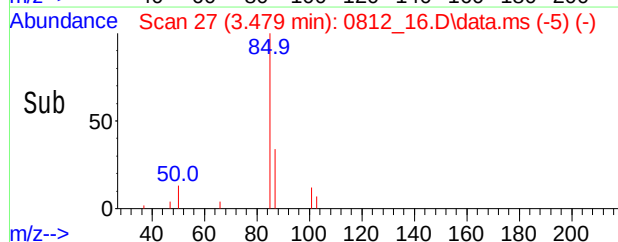
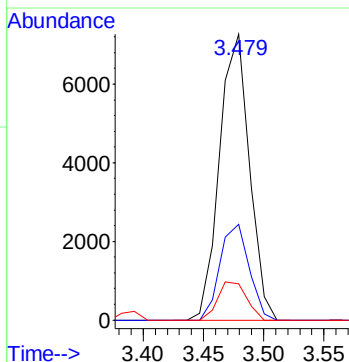
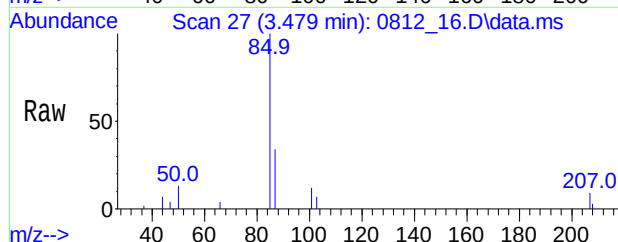
Quant Time: Oct 02 13:08:57 2020
 Quant Method : H:\AIR2020\CHEM20\METHODS\20_AIR_0812_WALDEN.M
 Quant Title : VOA Standards for 5 point calibration
 Last Update : Fri Oct 02 13:04:18 2020
 Response via : Initial Calibration





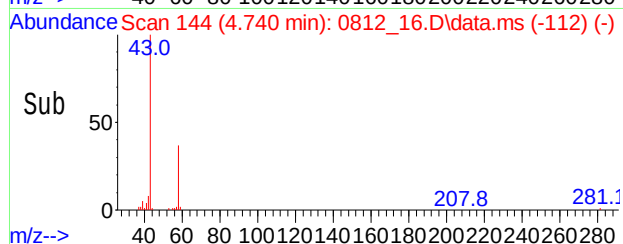
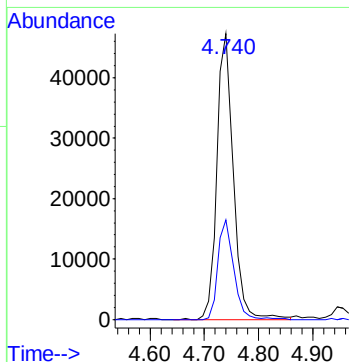
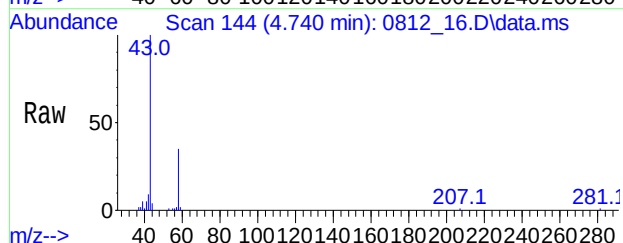
#2
Dichlorodifluoromethane
Conc: 8\$ 0.413 ppbv
RT: 3.479 min Scan# 27
Delta R.T. 0.032 min
Lab File: 0812_16.D
Acq: 13 Aug 2020 12:56 am

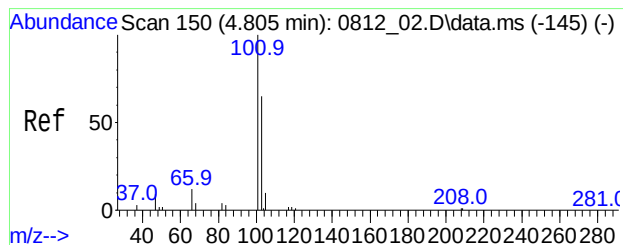
Tgt Ion	Ratio	Resp	Lower	Upper
85	100	12536		
87	32.6	26.1	39.1	
50	12.9	9.4	14.0	



#4
Acetone
Conc: 8\$ 4.840 ppbv
RT: 4.740 min Scan# 144
Delta R.T. 0.043 min
Lab File: 0812_16.D
Acq: 13 Aug 2020 12:56 am

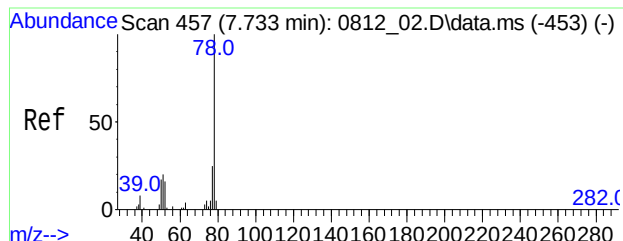
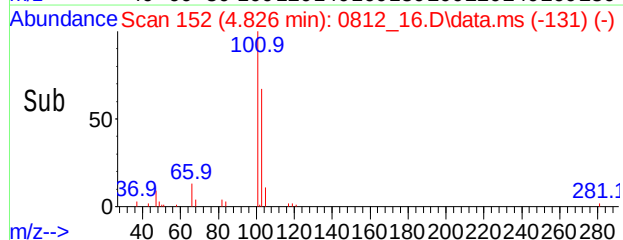
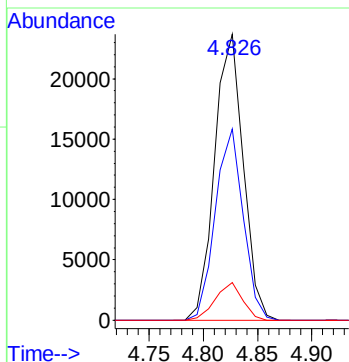
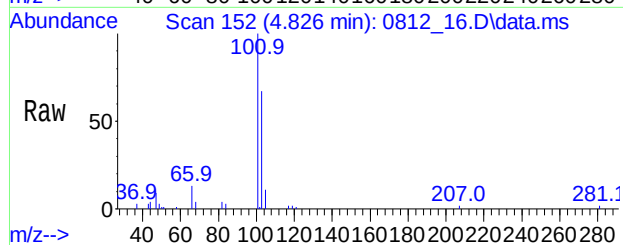
Tgt Ion	Ratio	Resp	Lower	Upper
43	100	98514		
58	33.5	28.1	42.1	





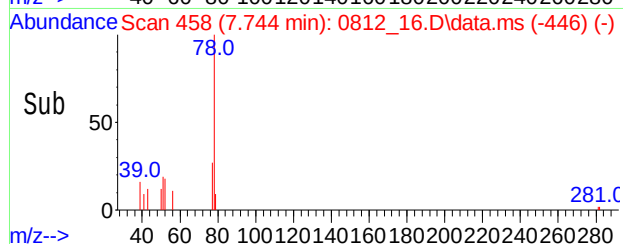
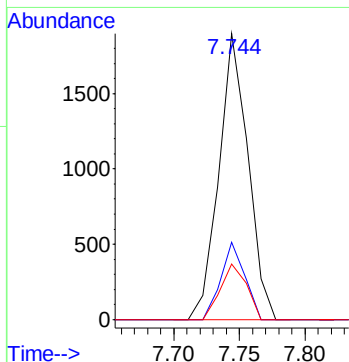
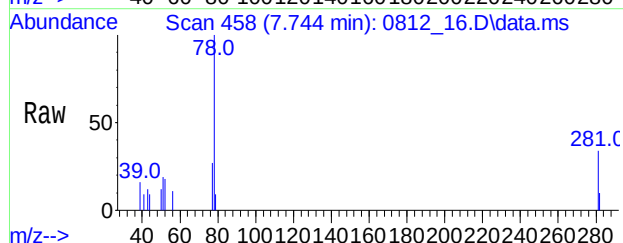
#5
Trichlorofluoromethane
Conc: 8\$ 1.211 ppbv
RT: 4.826 min Scan# 152
Delta R.T. 0.022 min
Lab File: 0812_16.D
Acq: 13 Aug 2020 12:56 am

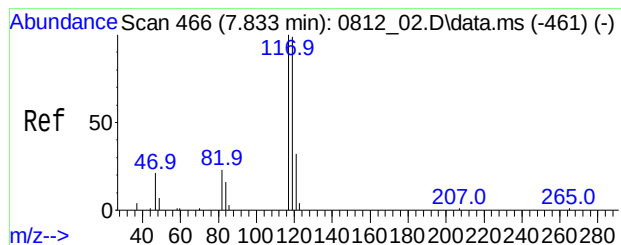
Tgt Ion	Ratio	Resp	Lower	Upper
101	100	43248		
103	65.2	51.6	77.4	
66	12.4	9.3	13.9	



#13
Benzene
Conc: 8\$ 0.079 ppbv
RT: 7.744 min Scan# 458
Delta R.T. -0.000 min
Lab File: 0812_16.D
Acq: 13 Aug 2020 12:56 am

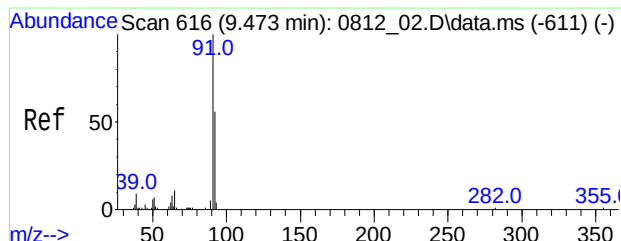
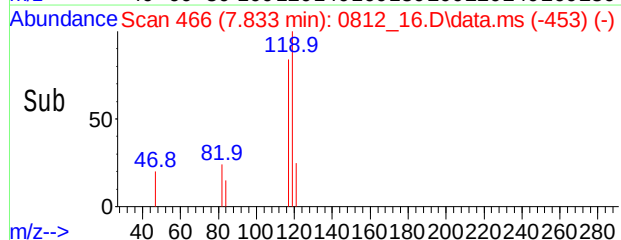
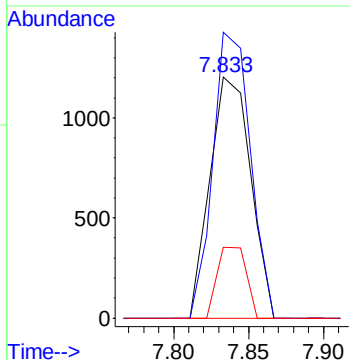
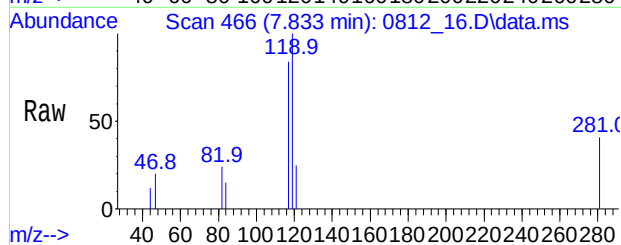
Tgt Ion	Ratio	Resp	Lower	Upper
78	100	2945		
77	22.1	18.6	27.8	
51	17.5	14.4	21.6	





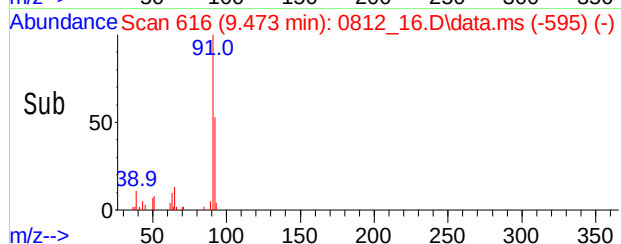
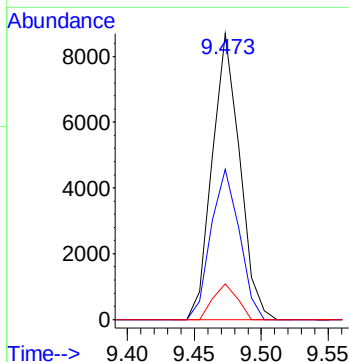
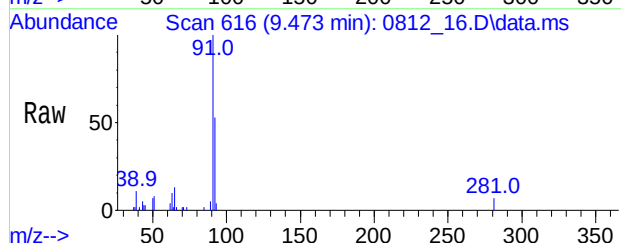
#14
Carbon Tetrachloride
Conc: 8\$ Below Cal
RT: 7.833 min Scan# 466
Delta R.T. -0.000 min
Lab File: 0812_16.D
Acq: 13 Aug 2020 12:56 am

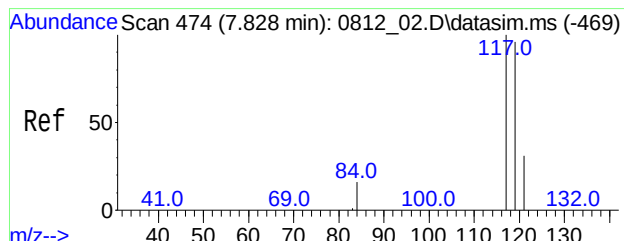
Tgt Ion	Ratio	Resp	Lower	Upper
117	100	2255		
119	108.9	78.1	118.1	
121	20.9	11.3	51.3	



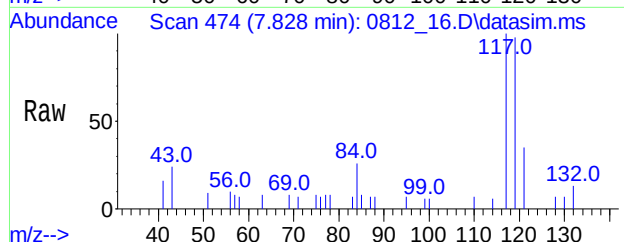
#18
Toluene
Conc: 8\$ 0.272 ppbv
RT: 9.473 min Scan# 616
Delta R.T. -0.000 min
Lab File: 0812_16.D
Acq: 13 Aug 2020 12:56 am

Tgt Ion	Ratio	Resp	Lower	Upper
91	100	12436		
92	54.4	47.5	71.3	
65	10.9	9.2	13.8	

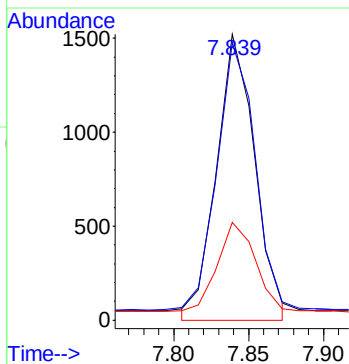
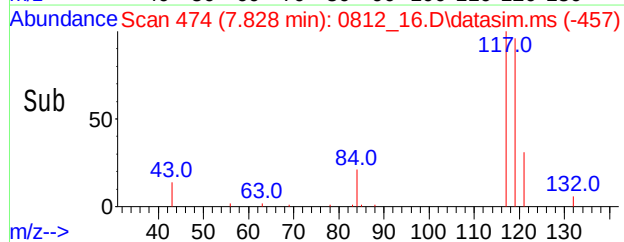




#35
Carbon Tetrachloride(sim)
Conc: 8\$ 0.066 ppbv
RT: 7.833 min Scan# 474
Delta R.T. -0.000 min
Lab File: 0812_16.D
Acq: 13 Aug 2020 12:56 am



Tgt Ion	Ratio	Resp	Lower	Upper
117	100	2255		
119	108.9	78.5	117.7	
121	20.9	25.0	37.6	



Data Path : H:\AIR2020\CHEM20\08AUG\12\
 Data File : 0812_17.D
 Acq On : 13 Aug 2020 1:37 am
 Operator :
 Client ID : IA-9 (MIXED USE STUDIO)
 Lab ID : CG52623
 ALS Vial : 20 Sample Multiplier: 1

Quant Time: Oct 02 13:09:01 2020
 Quant Method : H:\AIR2020\CHEM20\METHODS\20_AIR_0812_WALDEN.M
 Quant Title : VOA Standards for 5 point calibration
 Qlast Update : Fri Oct 02 13:04:18 2020
 Response via : Initial Calibration

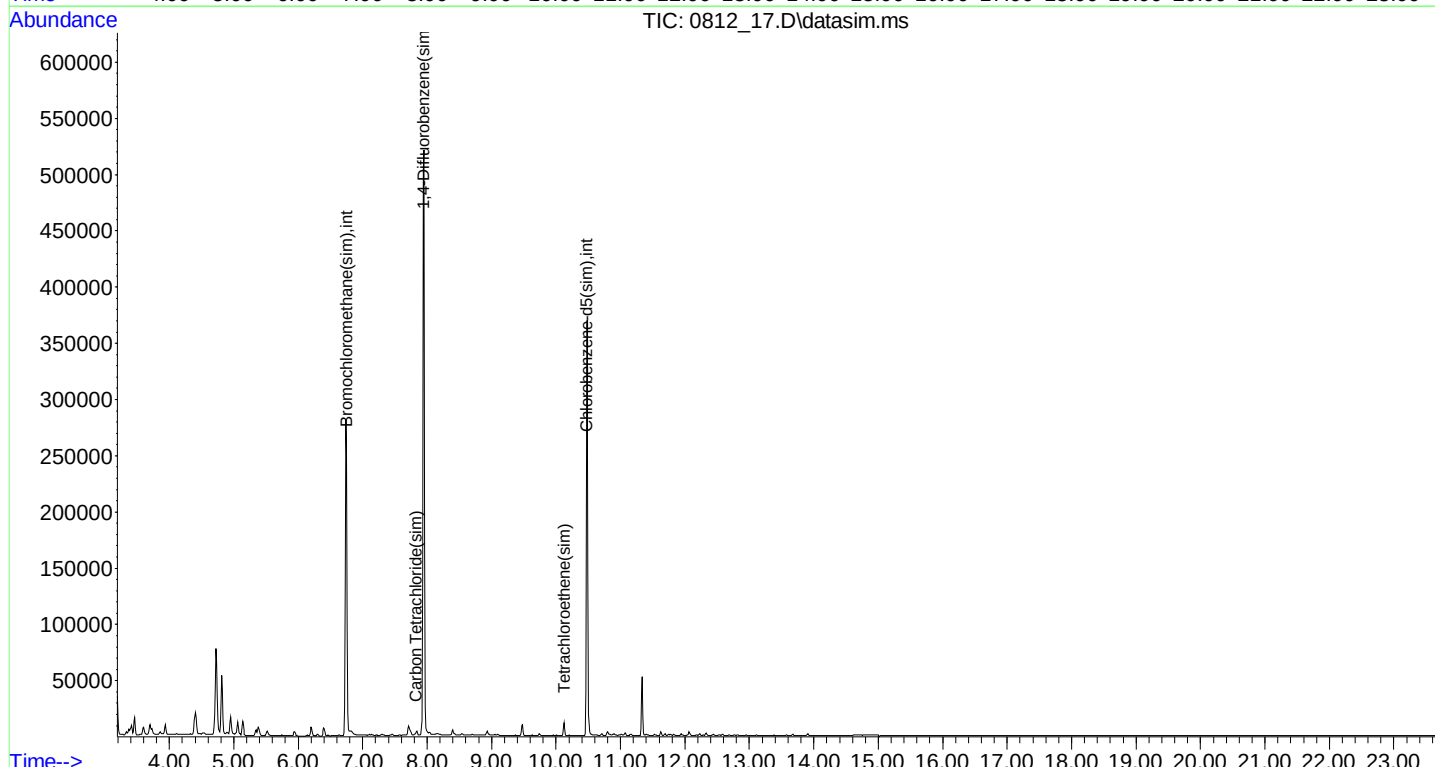
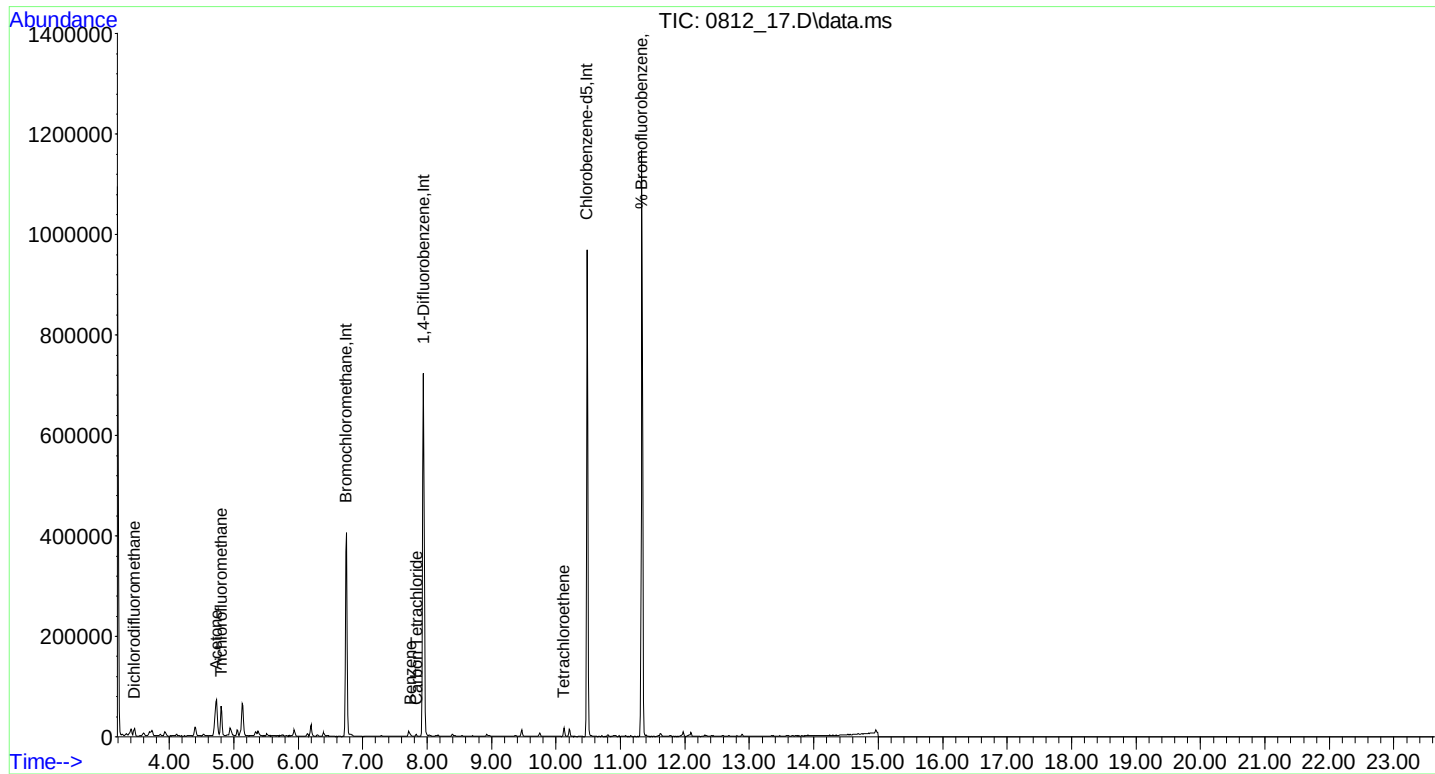
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	6.746	130	141884	10.000	ng	0.00
15) 1,4-Difluorobenzene	7.944	114	522334	10.000	ng	0.00
20) Chlorobenzene-d5	10.481	82	227281	10.000	ng	-0.01
30) Bromochloromethane(sim)	6.751	130	154548	10.000	ng	# 0.00
41) 1,4-Difluorobenzene(sim)	7.944	114	522006	10.000	ng	0.00
47) Chlorobenzene-d5(sim)	10.481	82	227281	10.000	ng	# 0.00
System Monitoring Compounds						
25) % Bromofluorobenzene	11.332	95	277227	9.968	ppbv	0.00
Spiked Amount	10.000	Range	70 - 130	Recovery	=	99.70%
Target Compounds						
2) Dichlorodifluoromethane	3.457	85	14034	0.464	ppbv	Qvalue 98
4) Acetone	4.729	43	98767	4.872	ppbv	96
5) Trichlorofluoromethane	4.805	101	46859	1.318	ppbv	99
13) Benzene	7.744	78	2581	0.069	ppbv#	92
14) Carbon Tetrachloride	7.833	117	2376	0.074	ppbv	98
19) Tetrachloroethene	10.123	166	4397	0.148	ppbv	95
35) Carbon Tetrachloride(sim)	7.833	117	2376	0.068	ppbv	98
46) Tetrachloroethene(sim)	10.129	166	5103	0.196	ppbv	97

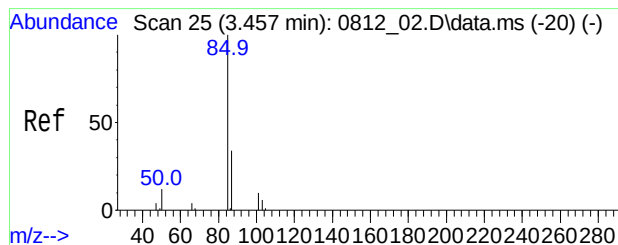
(#)out of range (m)manual integration reviewed by analyst (+)signals summed

Quantitation Report (QT Reviewed)

Data Path : H:\AIR2020\CHEM20\08AUG\12\
 Data File : 0812_17.D
 Acq On : 13 Aug 2020 1:37 am
 Operator :
 Client ID : IA-9 (MIXED USE STUDIO)
 Lab ID : CG52623
 ALS Vial : 20 Sample Multiplier: 1

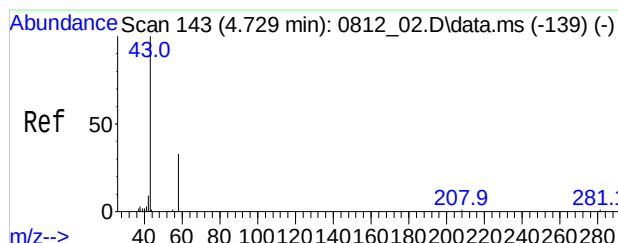
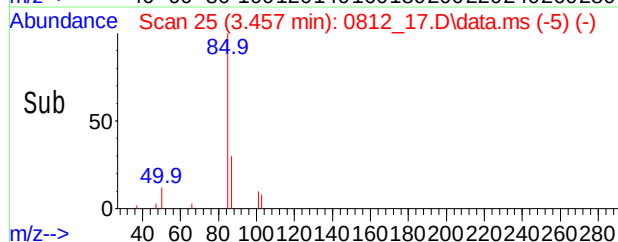
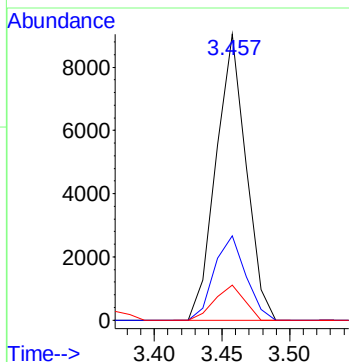
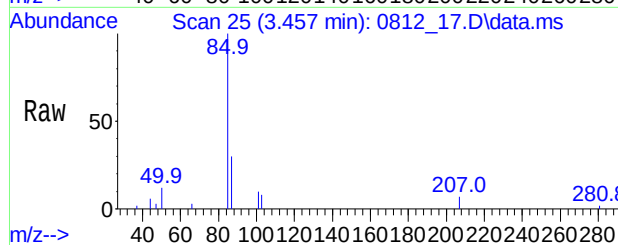
Quant Time: Oct 02 13:09:01 2020
 Quant Method : H:\AIR2020\CHEM20\METHODS\20_AIR_0812_WALDEN.M
 Quant Title : VOA Standards for 5 point calibration
 Last Update : Fri Oct 02 13:04:18 2020
 Response via : Initial Calibration





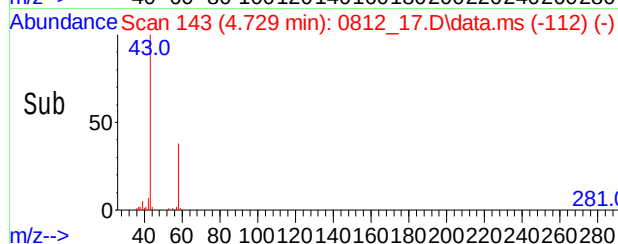
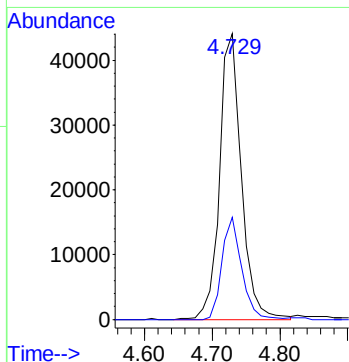
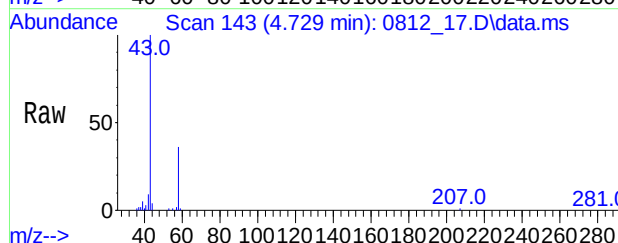
#2
Dichlorodifluoromethane
Conc: 8\$ 0.464 ppbv
RT: 3.457 min Scan# 25
Delta R.T. 0.011 min
Lab File: 0812_17.D
Acq: 13 Aug 2020 1:37 am

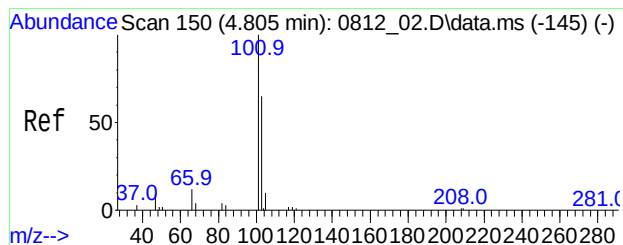
Tgt Ion	Ratio	Resp	Lower	Upper
85	100	14034		
87	30.9	26.1	39.1	
50	12.0	9.4	14.0	



#4
Acetone
Conc: 8\$ 4.872 ppbv
RT: 4.729 min Scan# 143
Delta R.T. 0.032 min
Lab File: 0812_17.D
Acq: 13 Aug 2020 1:37 am

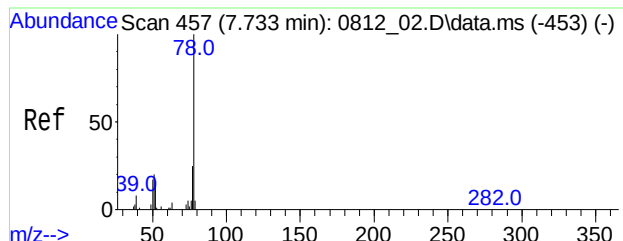
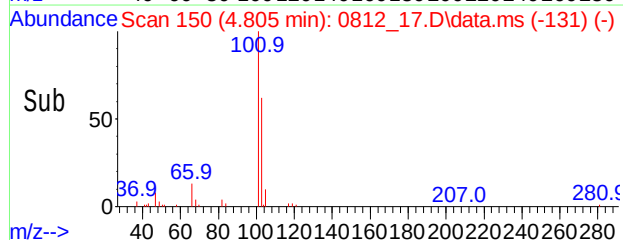
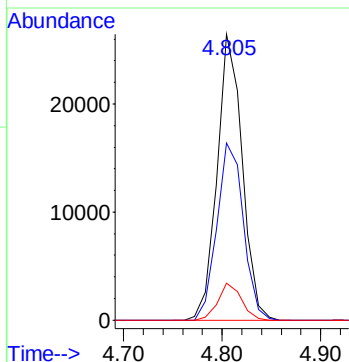
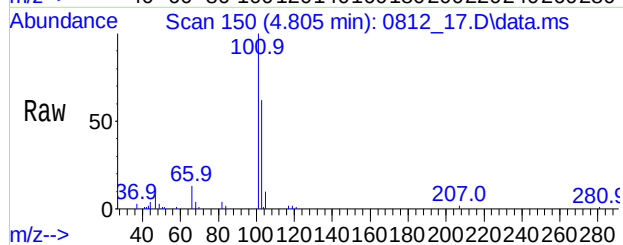
Tgt Ion	Ratio	Resp	Lower	Upper
43	100	98767		
58	32.8	28.1	42.1	





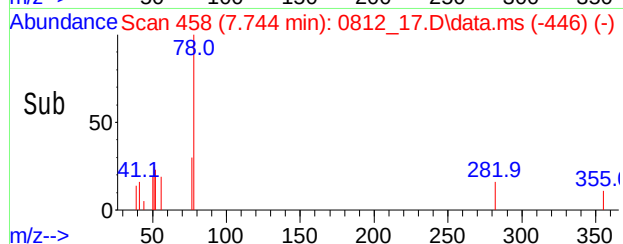
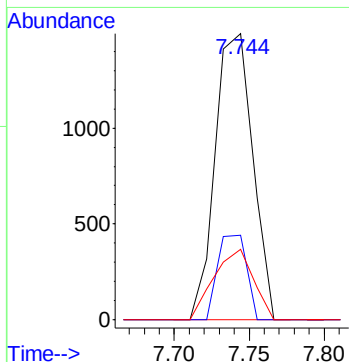
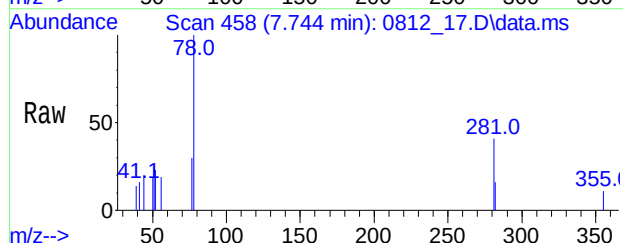
#5
 Trichlorofluoromethane
 Conc: 8\$ 1.318 ppbv
 RT: 4.805 min Scan# 150
 Delta R.T. -0.000 min
 Lab File: 0812_17.D
 Acq: 13 Aug 2020 1:37 am

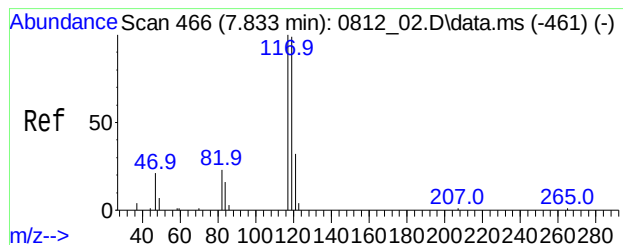
Tgt Ion	Ratio	Resp	Lower	Upper
101	100	46859		
103	65.4	51.6	77.4	
66	12.1	9.3	13.9	



#13
 Benzene
 Conc: 8\$ 0.069 ppbv
 RT: 7.744 min Scan# 458
 Delta R.T. -0.000 min
 Lab File: 0812_17.D
 Acq: 13 Aug 2020 1:37 am

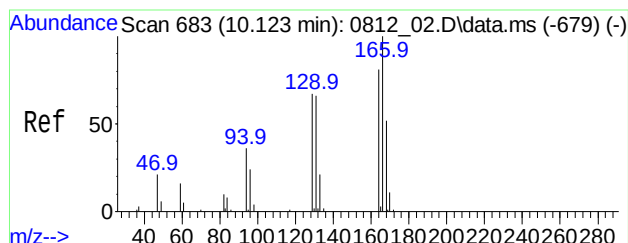
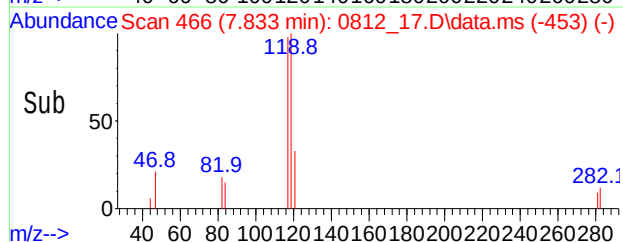
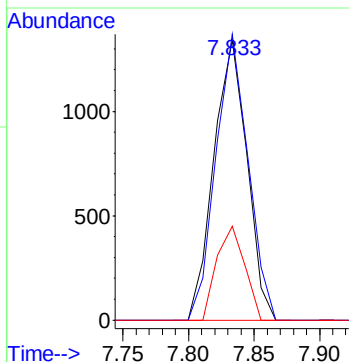
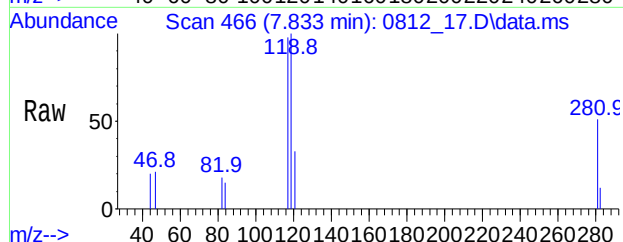
Tgt Ion	Ratio	Resp	Lower	Upper
78	100	2581		
77	22.7	18.6	27.8	
51	25.7	14.4	21.6	





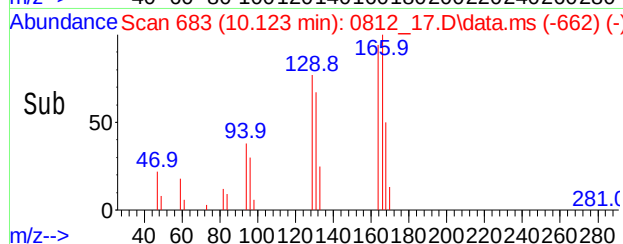
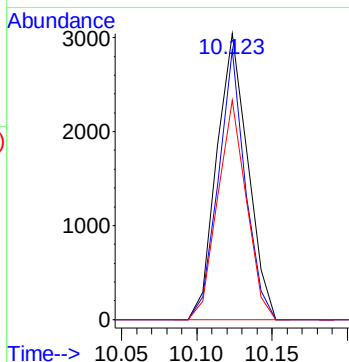
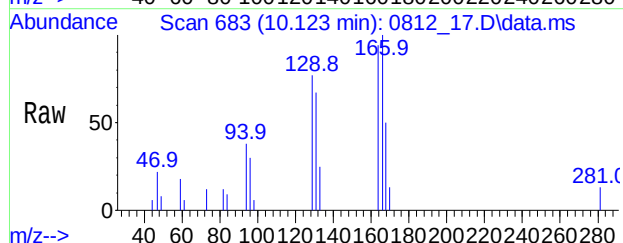
#14
Carbon Tetrachloride
Conc: 8\$ Below Cal
RT: 7.833 min Scan# 466
Delta R.T. -0.000 min
Lab File: 0812_17.D
Acq: 13 Aug 2020 1:37 am

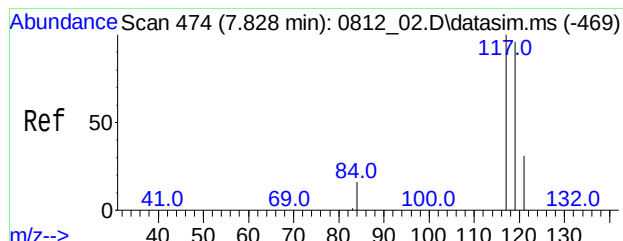
Tgt Ion	Ratio	Resp	Lower	Upper
117	100	2376		
119	99.4	78.1	118.1	
121	28.2	11.3	51.3	



#19
Tetrachloroethene
Conc: 8\$ 0.148 ppbv
RT: 10.123 min Scan# 683
Delta R.T. -0.000 min
Lab File: 0812_17.D
Acq: 13 Aug 2020 1:37 am

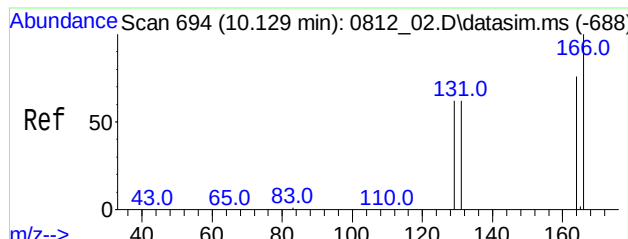
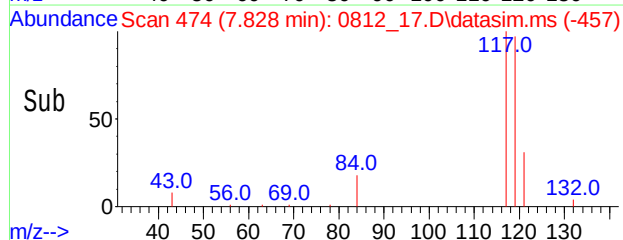
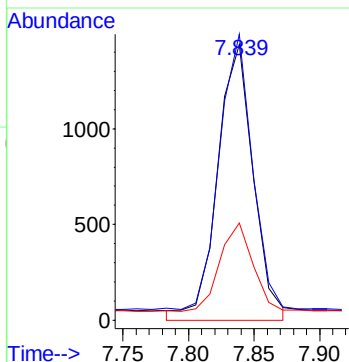
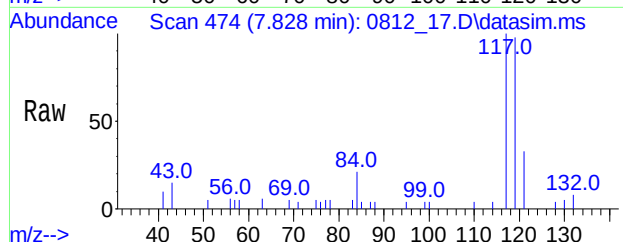
Tgt Ion	Ratio	Resp	Lower	Upper
166	100	4397		
164	81.6	62.2	93.4	
129	70.8	53.0	79.4	





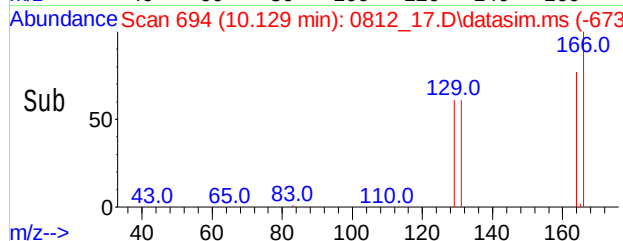
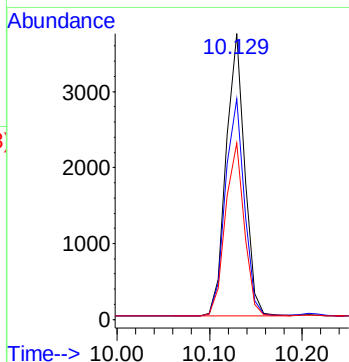
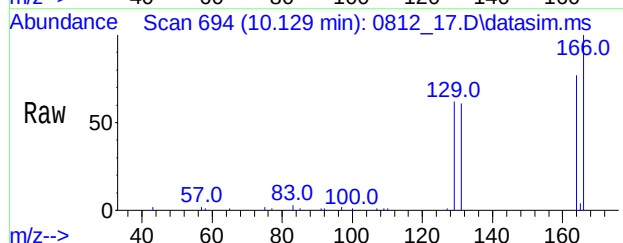
#35
Carbon Tetrachloride(sim)
Conc: 8\$ 0.068 ppbv
RT: 7.833 min Scan# 474
Delta R.T. -0.000 min
Lab File: 0812_17.D
Acq: 13 Aug 2020 1:37 am

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	2376		
119	99.4	78.5	117.7	
121	28.2	25.0	37.6	



#46
Tetrachloroethene(sim)
Conc: 8\$ 0.196 ppbv
RT: 10.129 min Scan# 694
Delta R.T. 0.005 min
Lab File: 0812_17.D
Acq: 13 Aug 2020 1:37 am

Tgt Ion	Ratio	Resp	Lower	Upper
166	100	5103		
164	78.6	57.8	97.8	
129	62.2	46.1	86.1	



Client:	WALDENE-IPARK	Lab:	Phoenix Env. Labs
SDG No.:	GCG52615	Lab Sample ID:	CG52624
Canister:	28608	Lab File ID:	0812_18.D
Instrument:	CHEM20	Column:	RTX-1 60M
Purge Volume	200 (cc)	Date Received:	08/12/20
		Date Analyzed:	08/13/20
Matrix:	AIR	Dilution Factor:	1

CONCENTRATION UNITS: (ppbv or ug/m3) ppbv

[illegible]

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:\AIR2020\CHEM20\08AUG\12\
 Data File : 0812_18.D
 Acq On : 13 Aug 2020 2:18 am
 Operator :
 Client ID : IA-3 (TRAINERS TURF)
 Lab ID : CG52624
 ALS Vial : 21 Sample Multiplier: 1

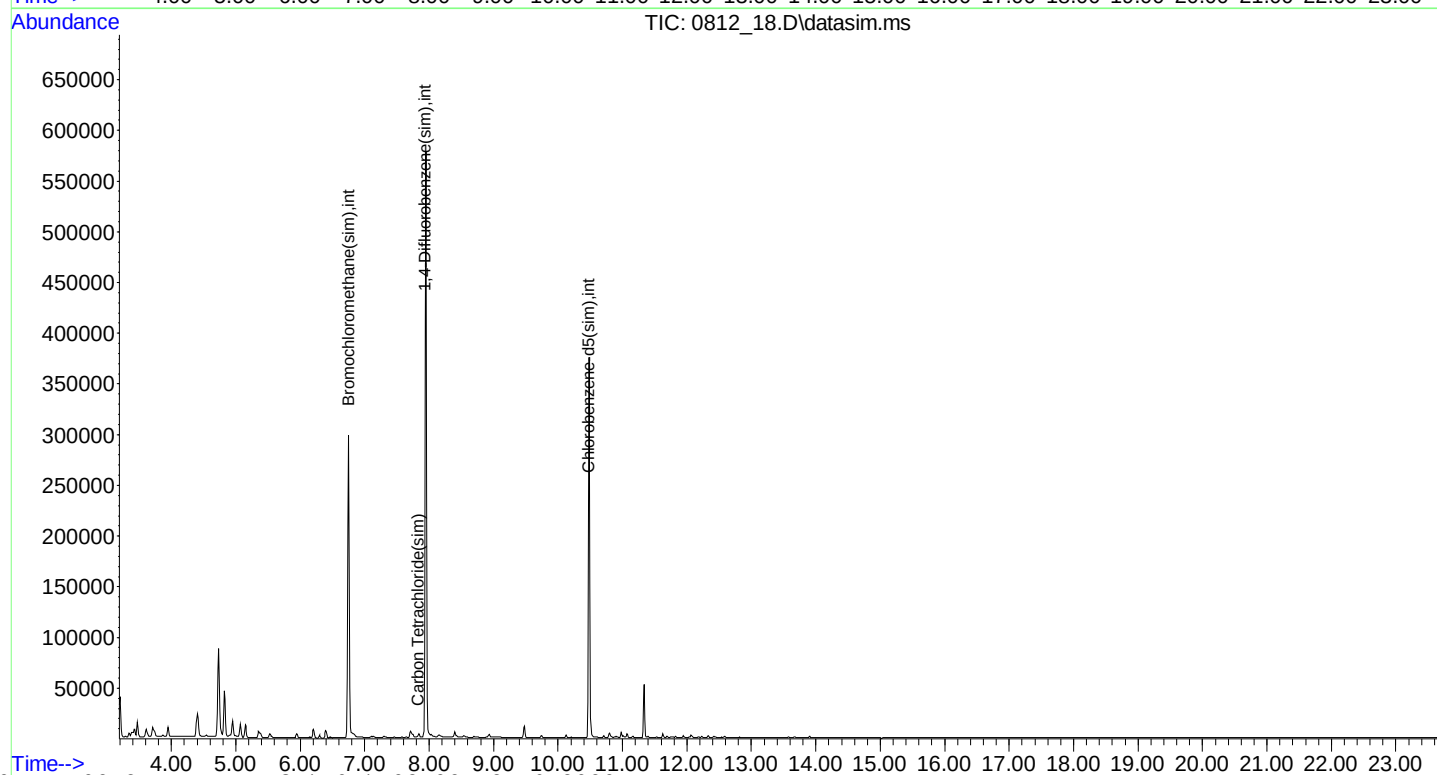
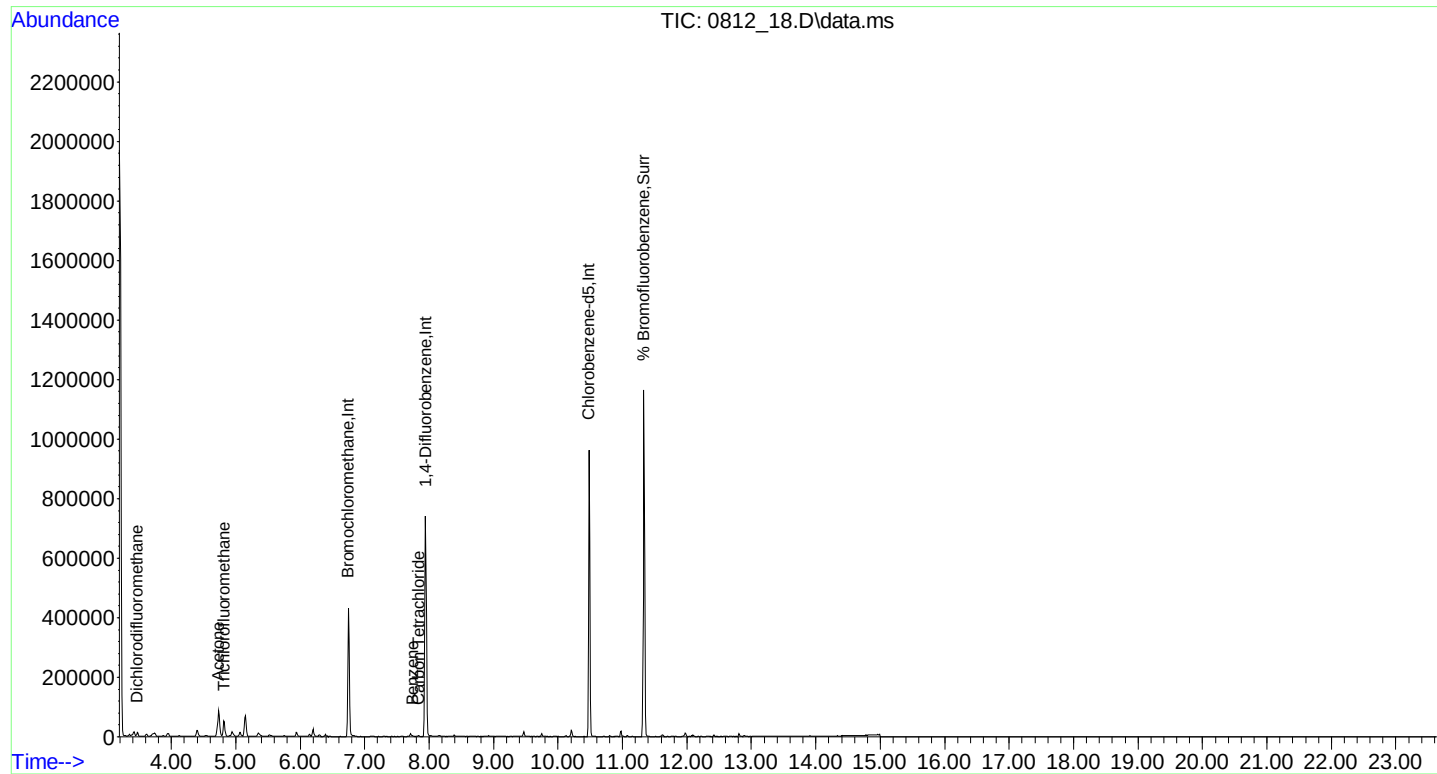
Quant Time: Oct 02 13:09:04 2020
 Quant Method : H:\AIR2020\CHEM20\METHODS\20_AIR_0812_WALDEN.M
 Quant Title : VOA Standards for 5 point calibration
 QLast Update : Fri Oct 02 13:04:18 2020
 Response via : Initial Calibration

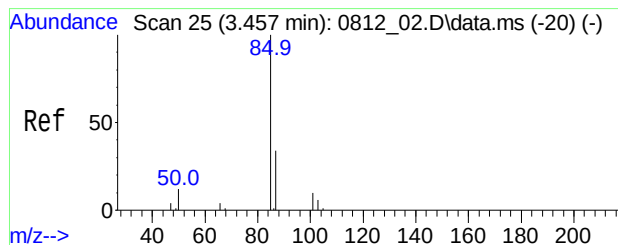
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	6.746	130	142267	10.000	ng	0.00
15) 1,4-Difluorobenzene	7.944	114	509947	10.000	ng	0.00
20) Chlorobenzene-d5	10.481	82	227778	10.000	ng	-0.01
30) Bromochloromethane(sim)	6.751	130	153839	10.000	ng	# 0.00
41) 1,4-Difluorobenzene(sim)	7.944	114	509736	10.000	ng	0.00
47) Chlorobenzene-d5(sim)	10.481	82	227876	10.000	ng	# 0.00
System Monitoring Compounds						
25) % Bromofluorobenzene	11.332	95	278069	9.976	ppbv	0.00
Spiked Amount	10.000	Range	70 - 130	Recovery	=	99.80%
Target Compounds						
2) Dichlorodifluoromethane	3.468	85	13572	0.448	ppbv	99
4) Acetone	4.729	43	101745	5.006	ppbv	97
5) Trichlorofluoromethane	4.815	101	41998	1.178	ppbv	99
13) Benzene	7.744	78	2806	0.075	ppbv	99
14) Carbon Tetrachloride	7.833	117	2463	0.076	ppbv	90
18) Toluene	9.473	91	8962	0.197	ppbv	99
35) Carbon Tetrachloride(sim)	7.833	117	2463	0.071	ppbv	90

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

Data Path : H:\AIR2020\CHEM20\08AUG\12\
Data File : 0812_18.D
Acq On : 13 Aug 2020 2:18 am
Operator :
Client ID : IA-3 (TRAINERS TURF)
Lab ID : CG52624
ALS Vial : 21 Sample Multiplier: 1

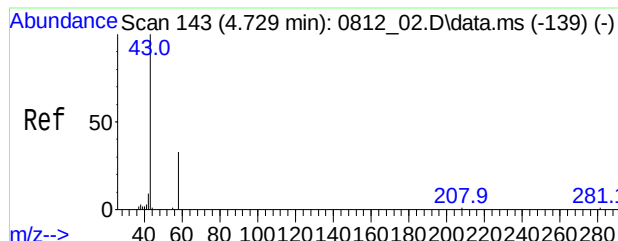
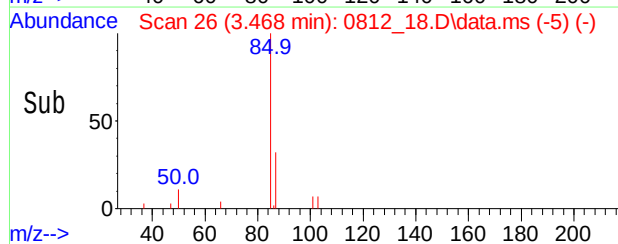
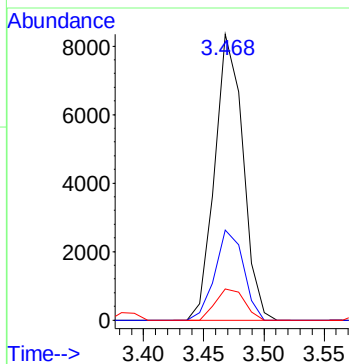
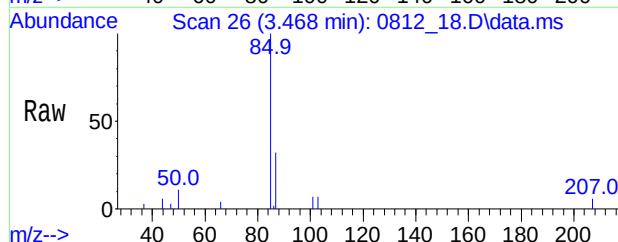
Quant Time: Oct 02 13:09:04 2020
Quant Method : H:\AIR2020\CHEM20\METHODS\20_AIR_0812_WALDEN.M
Quant Title : VOA Standards for 5 point calibration
Last Update : Fri Oct 02 13:04:18 2020
Response via : Initial Calibration





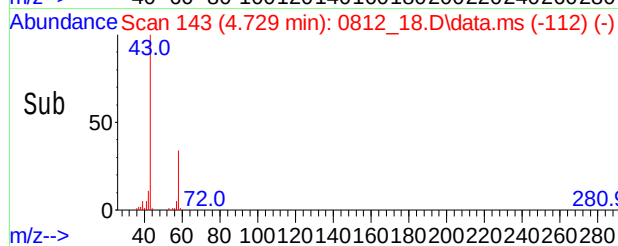
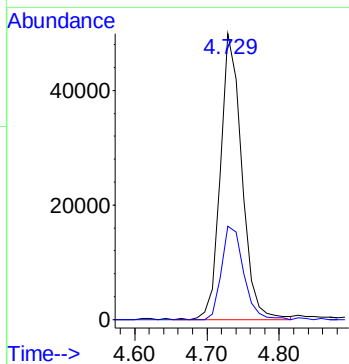
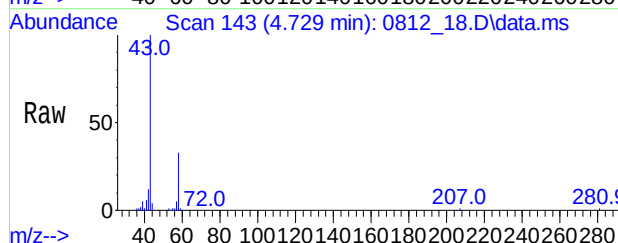
#2
Dichlorodifluoromethane
Conc: 8\$ 0.448 ppbv
RT: 3.468 min Scan# 26
Delta R.T. 0.021 min
Lab File: 0812_18.D
Acq: 13 Aug 2020 2:18 am

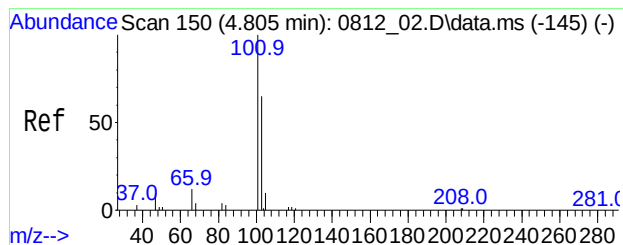
Tgt Ion	Ratio	Resp	Lower	Upper
85	100	13572		
87	31.8	26.1	39.1	
50	11.2	9.4	14.0	



#4
Acetone
Conc: 8\$ 5.006 ppbv
RT: 4.729 min Scan# 143
Delta R.T. 0.032 min
Lab File: 0812_18.D
Acq: 13 Aug 2020 2:18 am

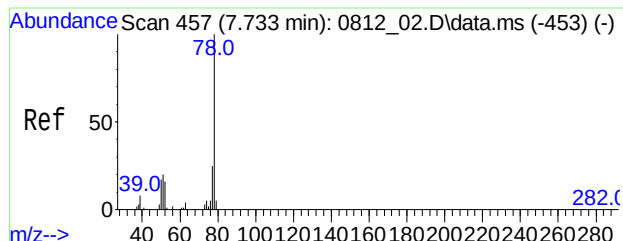
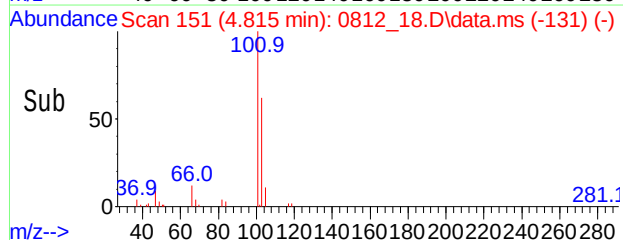
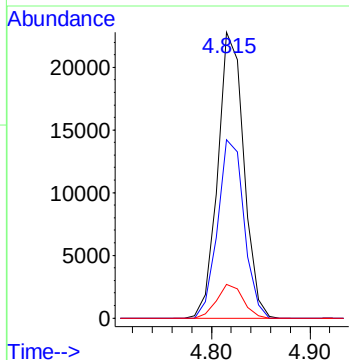
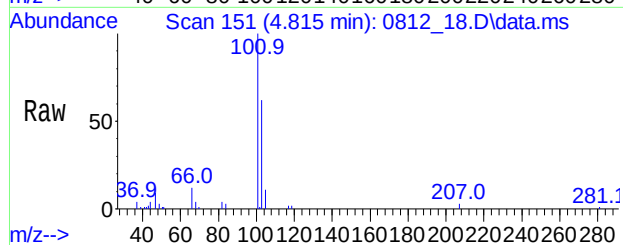
Tgt Ion	Ratio	Resp	Lower	Upper
43	100	101745		
58	33.5	28.1	42.1	





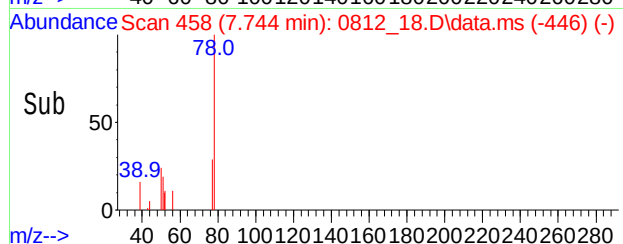
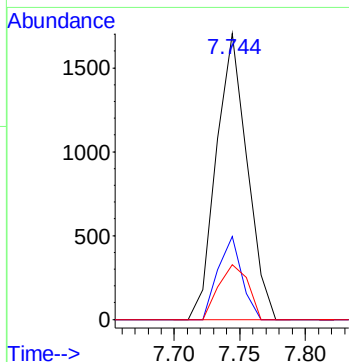
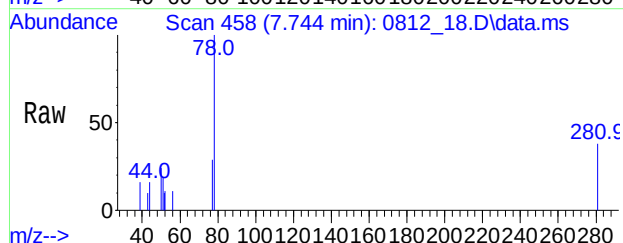
#5
 Trichlorofluoromethane
 Conc: 8\$ 1.178 ppbv
 RT: 4.815 min Scan# 151
 Delta R.T. 0.011 min
 Lab File: 0812_18.D
 Acq: 13 Aug 2020 2:18 am

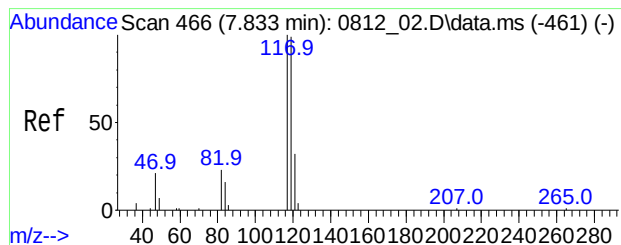
Tgt Ion	Ratio	Resp	Lower	Upper
101	100	41998		
103	63.3	51.6	77.4	
66	11.9	9.3	13.9	



#13
 Benzene
 Conc: 8\$ 0.075 ppbv
 RT: 7.744 min Scan# 458
 Delta R.T. -0.000 min
 Lab File: 0812_18.D
 Acq: 13 Aug 2020 2:18 am

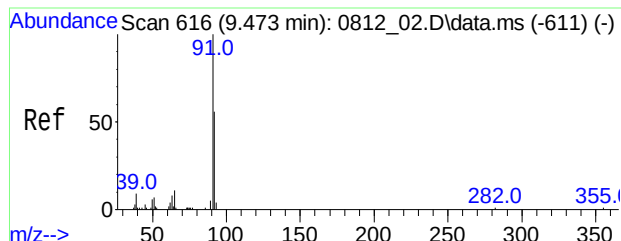
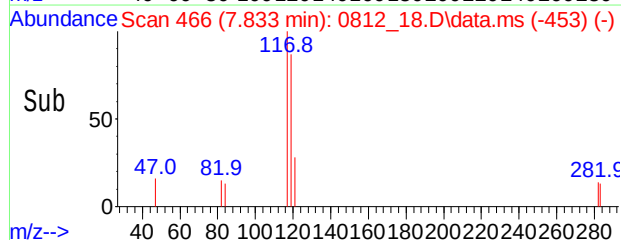
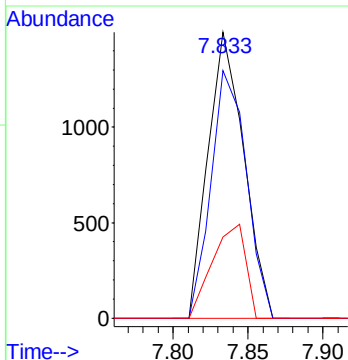
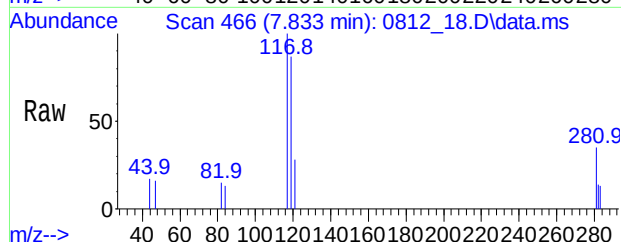
Tgt Ion	Ratio	Resp	Lower	Upper
78	100	2806		
77	22.5	18.6	27.8	
51	18.4	14.4	21.6	





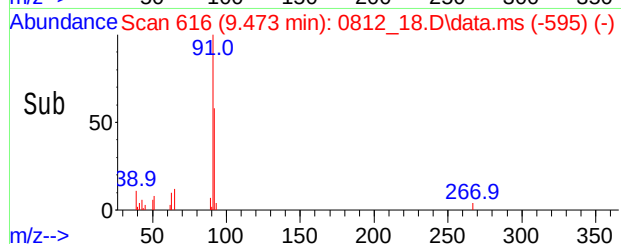
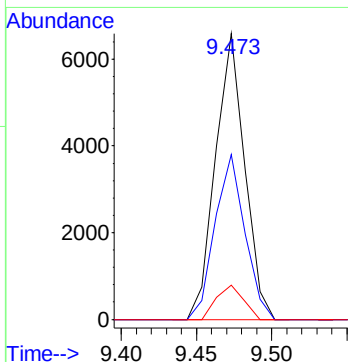
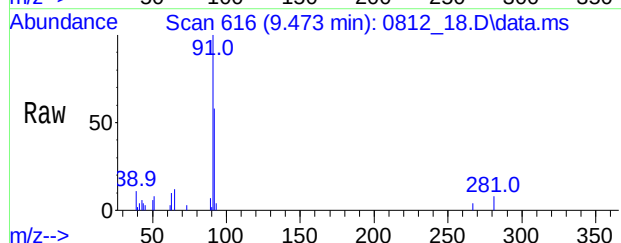
#14
Carbon Tetrachloride
Conc: 8\$ Below Cal
RT: 7.833 min Scan# 466
Delta R.T. -0.000 min
Lab File: 0812_18.D
Acq: 13 Aug 2020 2:18 am

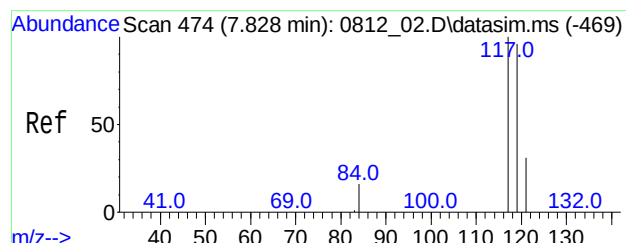
Tgt Ion	Ratio	Resp	Lower	Upper
117	100	2463		
119	86.0	78.1		118.1
121	30.7	11.3		51.3



#18
Toluene
Conc: 8\$ 0.197 ppbv
RT: 9.473 min Scan# 616
Delta R.T. -0.000 min
Lab File: 0812_18.D
Acq: 13 Aug 2020 2:18 am

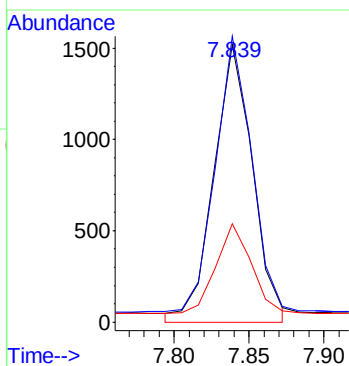
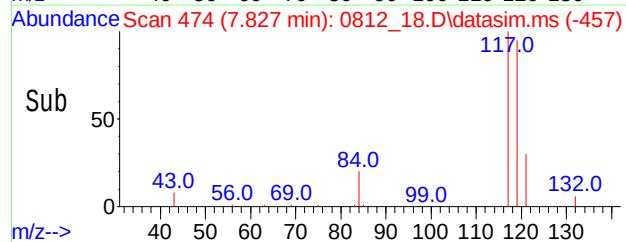
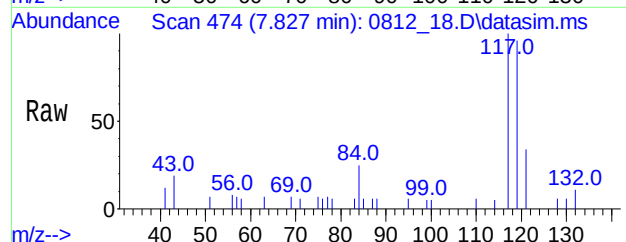
Tgt Ion	Ratio	Resp	Lower	Upper
91	100	8962		
92	59.1	47.5		71.3
65	11.1	9.2		13.8





#35
Carbon Tetrachloride(sim)
Conc: 8\$ 0.071 ppbv
RT: 7.833 min Scan# 474
Delta R.T. -0.000 min
Lab File: 0812_18.D
Acq: 13 Aug 2020 2:18 am

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	2463		
119	86.0	78.5	117.7	
121	30.7	25.0	37.6	



Client:	<u>WALDENE-IPARK</u>	Lab:	<u>Phoenix Env. Labs</u>
SDG No.:	<u>GCG52615</u>	Lab Sample ID:	<u>CG52625</u>
Canister:	<u>490</u>	Lab File ID:	<u>0812_19.D</u>
Instrument:	<u>CHEM20</u>	Column:	<u>RTX-1 60M</u>
Purge Volume	<u>200</u> (cc)	Date Received:	<u>08/12/20</u>
Matrix:	<u>AIR</u>	Date Analyzed:	<u>08/13/20</u>
		Dilution Factor:	<u>1</u>

CONCENTRATION UNITS: (ppbv or ug/m3) ppbv

[illegible]

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:\AIR2020\CHEM20\08AUG\12\
 Data File : 0812_19.D
 Acq On : 13 Aug 2020 2:58 am
 Operator :
 Client ID : IA-5 (LEG STUDIO)
 Lab ID : CG52625
 ALS Vial : 22 Sample Multiplier: 1

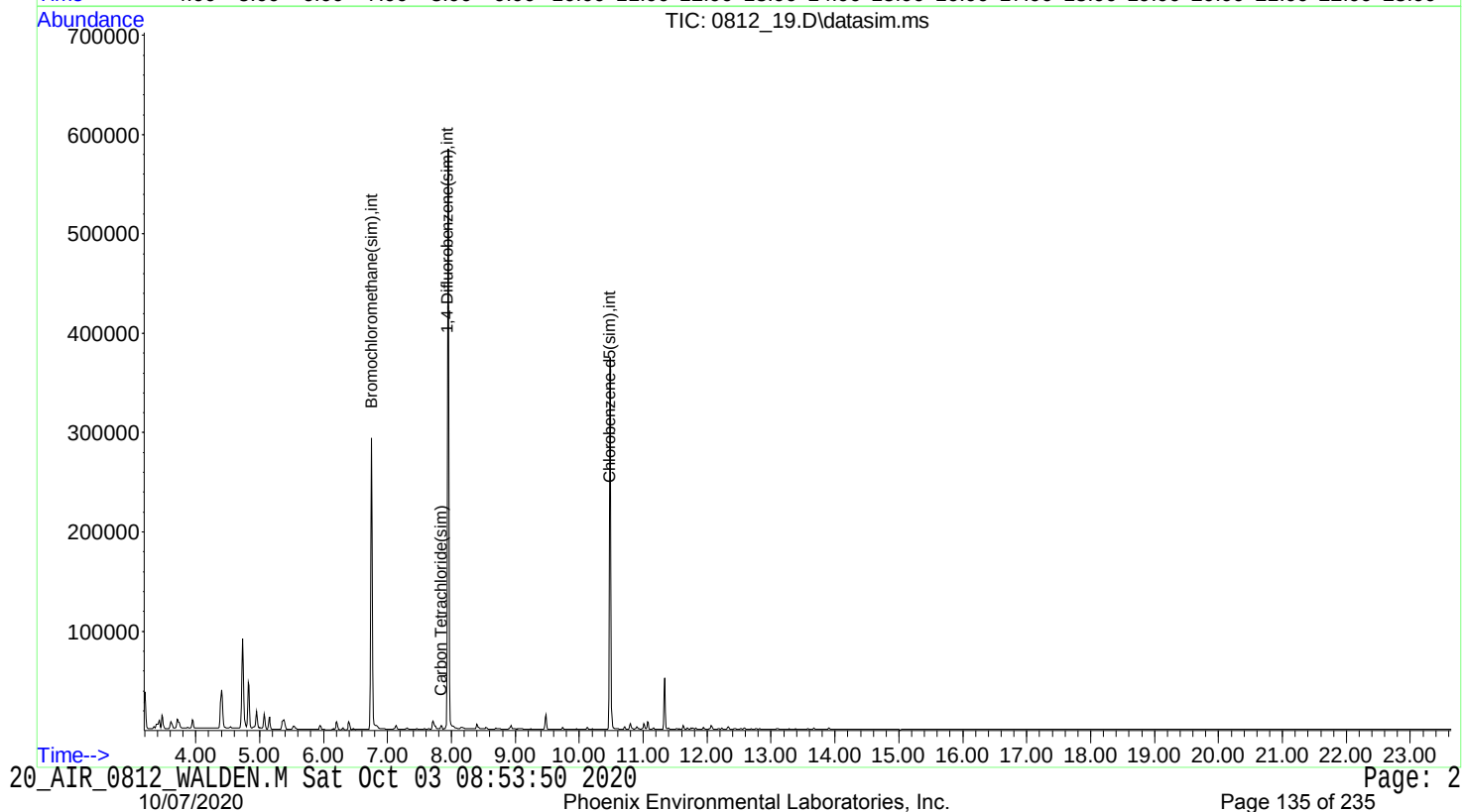
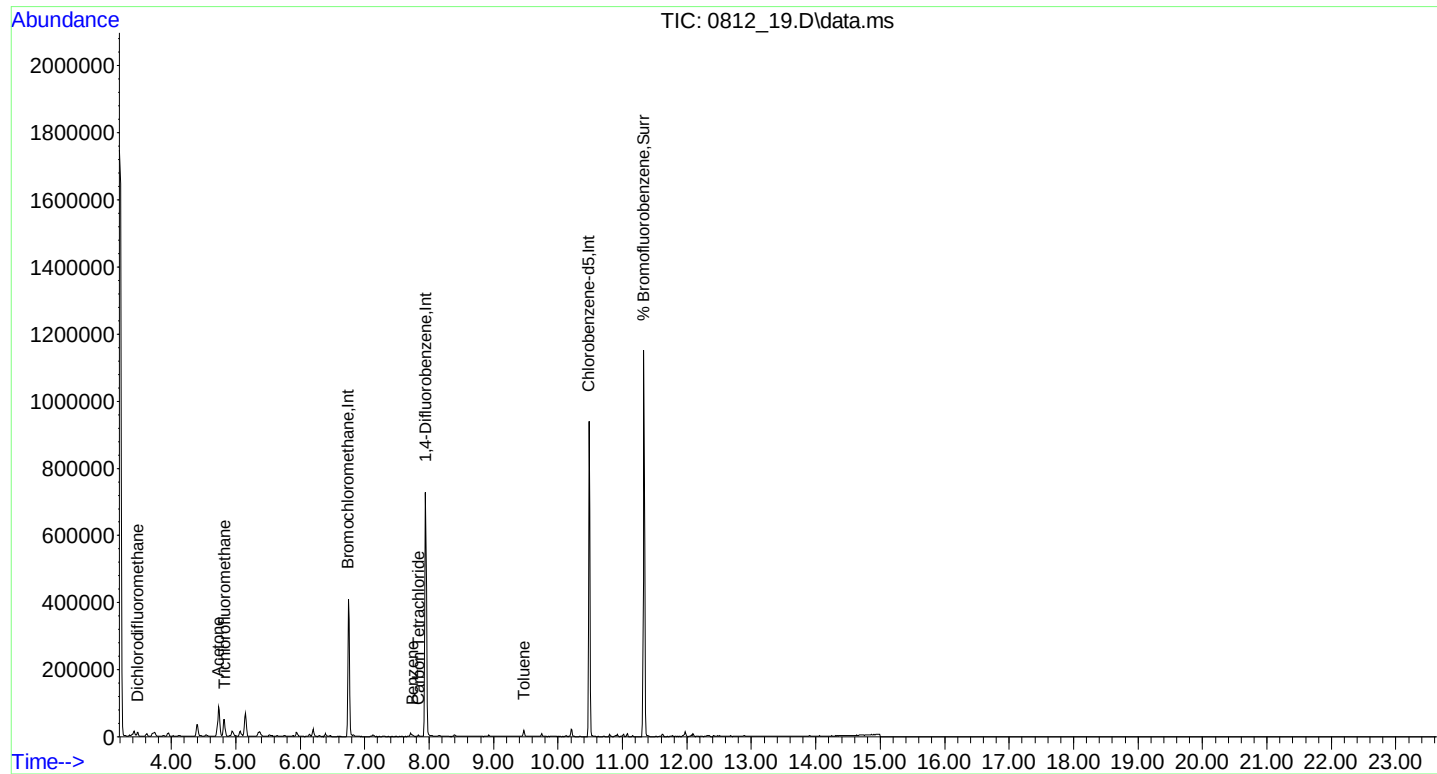
Quant Time: Oct 02 13:09:07 2020
 Quant Method : H:\AIR2020\CHEM20\METHODS\20_AIR_0812_WALDEN.M
 Quant Title : VOA Standards for 5 point calibration
 Qlast Update : Fri Oct 02 13:04:18 2020
 Response via : Initial Calibration

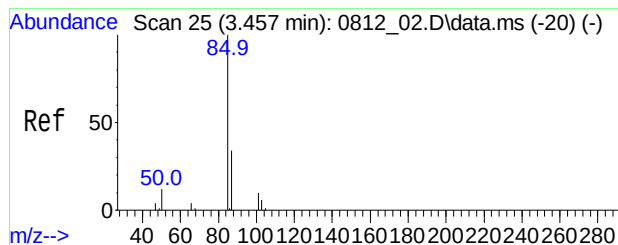
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	6.746	130	139918	10.000	ng	0.00
15) 1,4-Difluorobenzene	7.945	114	503138	10.000	ng	0.00
20) Chlorobenzene-d5	10.481	82	225430	10.000	ng	-0.01
30) Bromochloromethane(sim)	6.751	130	152391	10.000	ng	# 0.00
41) 1,4-Difluorobenzene(sim)	7.945	114	503138	10.000	ng	0.00
47) Chlorobenzene-d5(sim)	10.481	82	225430	10.000	ng	# 0.00
System Monitoring Compounds						
25) % Bromofluorobenzene	11.332	95	271792	9.853	ppbv	0.00
Spiked Amount	10.000	Range	70 - 130	Recovery	=	98.50%
Target Compounds						
2) Dichlorodifluoromethane	3.479	85	12742	0.427	ppbv	Qvalue 97
4) Acetone	4.729	43	107857	5.396	ppbv	95
5) Trichlorofluoromethane	4.826	101	43620	1.244	ppbv	99
13) Benzene	7.744	78	2522	0.069	ppbv	98
14) Carbon Tetrachloride	7.833	117	2314	0.073	ppbv	97
18) Toluene	9.473	91	10628	0.237	ppbv	97
35) Carbon Tetrachloride(sim)	7.833	117	2314	0.068	ppbv	97

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

Data Path : H:\AIR2020\CHEM20\08AUG\12\
Data File : 0812_19.D
Acq On : 13 Aug 2020 2:58 am
Operator :
Client ID : IA-5 (LEG STUDIO)
Lab ID : CG52625
ALS Vial : 22 Sample Multiplier: 1

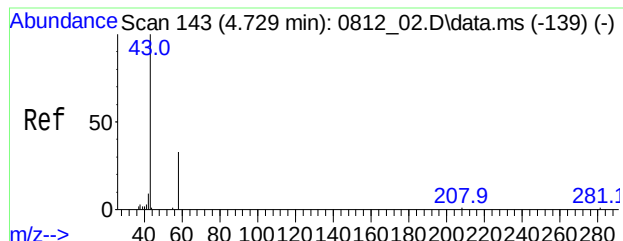
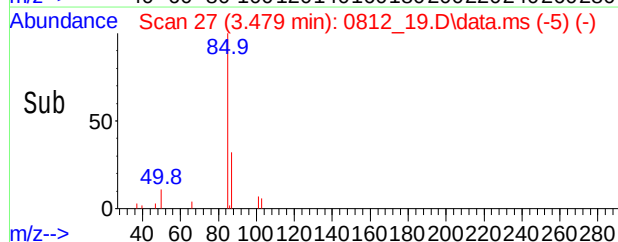
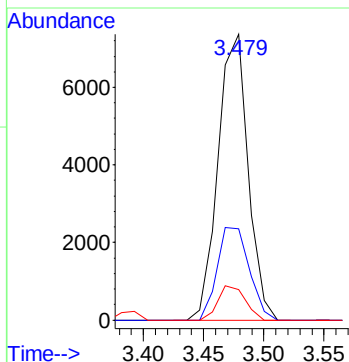
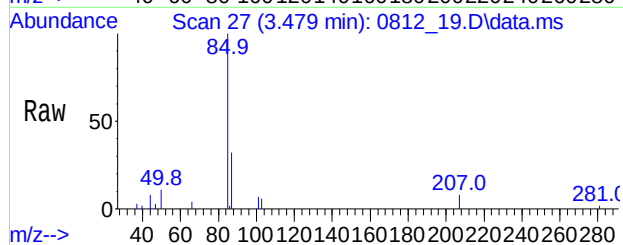
Quant Time: Oct 02 13:09:07 2020
Quant Method : H:\AIR2020\CHEM20\METHODS\20_AIR_0812_WALDEN.M
Quant Title : VOA Standards for 5 point calibration
Last Update : Fri Oct 02 13:04:18 2020
Response via : Initial Calibration





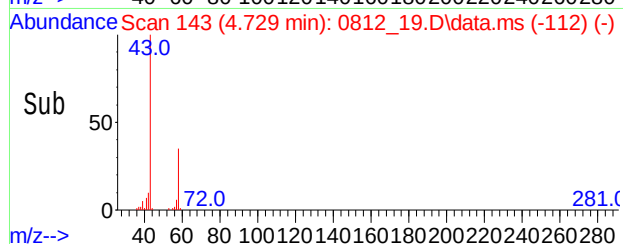
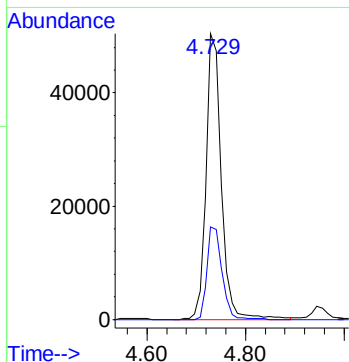
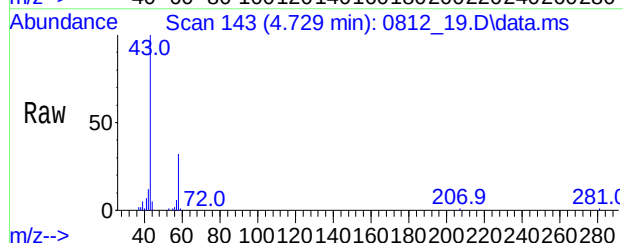
#2
Dichlorodifluoromethane
Conc: 8\$ 0.427 ppbv
RT: 3.479 min Scan# 27
Delta R.T. 0.032 min
Lab File: 0812_19.D
Acq: 13 Aug 2020 2:58 am

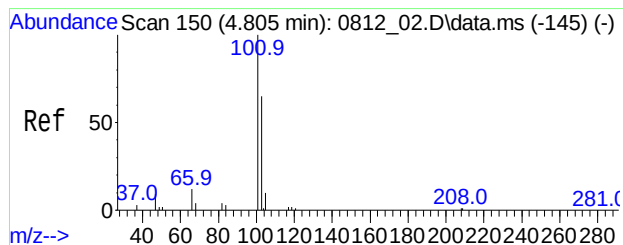
Tgt Ion	Ratio	Resp	Lower	Upper
85	100	12742		
87	34.6	26.1	39.1	
50	10.9	9.4	14.0	



#4
Acetone
Conc: 8\$ 5.396 ppbv
RT: 4.729 min Scan# 143
Delta R.T. 0.032 min
Lab File: 0812_19.D
Acq: 13 Aug 2020 2:58 am

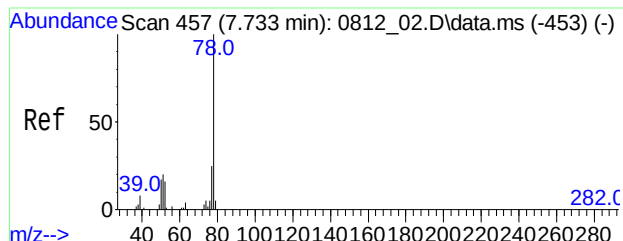
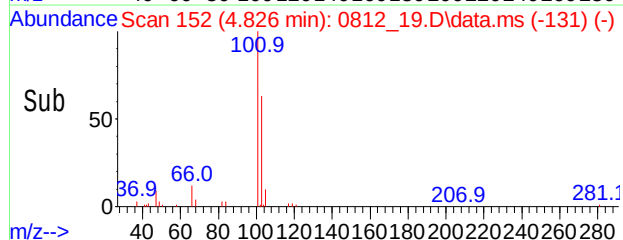
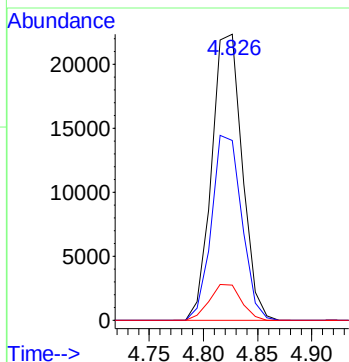
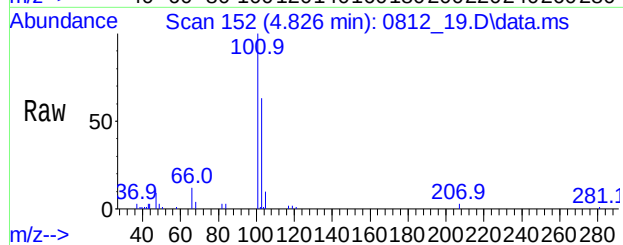
Tgt Ion	Ratio	Resp	Lower	Upper
43	100	107857		
58	32.0	28.1	42.1	





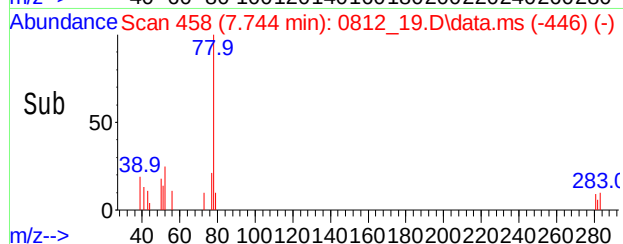
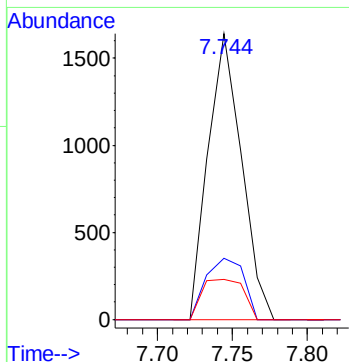
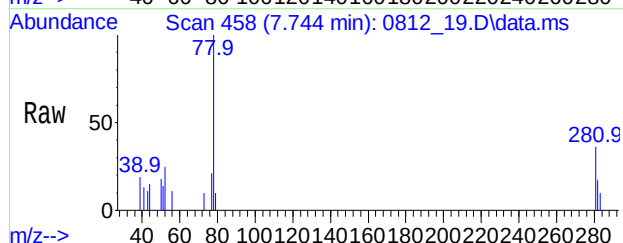
#5
 Trichlorofluoromethane
 Conc: 8\$ 1.244 ppbv
 RT: 4.826 min Scan# 152
 Delta R.T. 0.021 min
 Lab File: 0812_19.D
 Acq: 13 Aug 2020 2:58 am

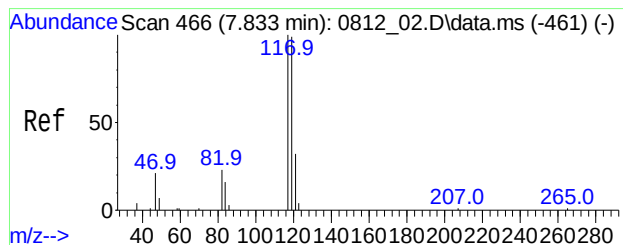
Tgt Ion	Ratio	Resp	Lower	Upper
101	100	43620		
103	64.0	51.6	77.4	
66	13.1	9.3	13.9	



#13
 Benzene
 Conc: 8\$ 0.069 ppbv
 RT: 7.744 min Scan# 458
 Delta R.T. -0.000 min
 Lab File: 0812_19.D
 Acq: 13 Aug 2020 2:58 am

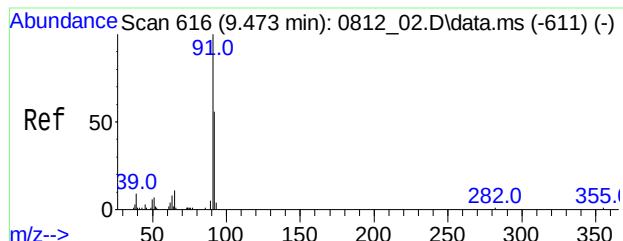
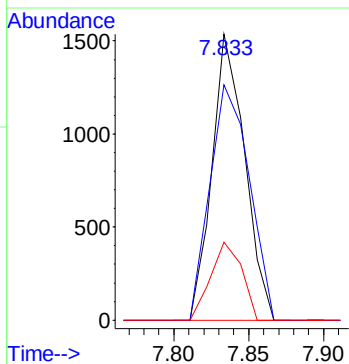
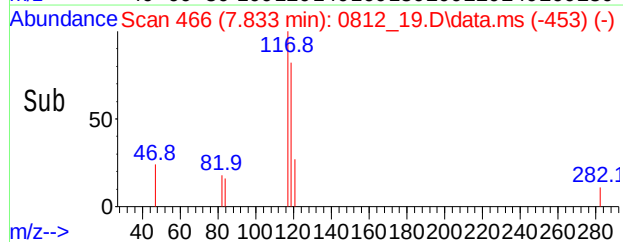
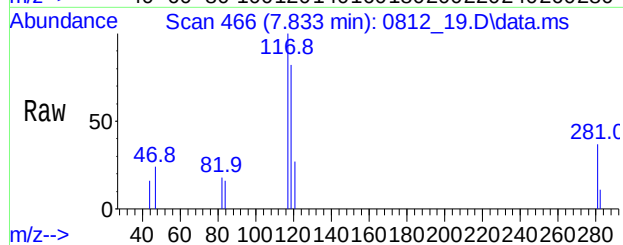
Tgt Ion	Ratio	Resp	Lower	Upper
78	100	2522		
77	24.2	18.6	27.8	
51	17.6	14.4	21.6	





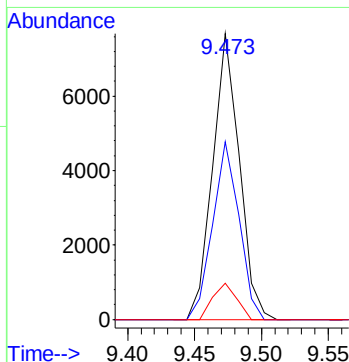
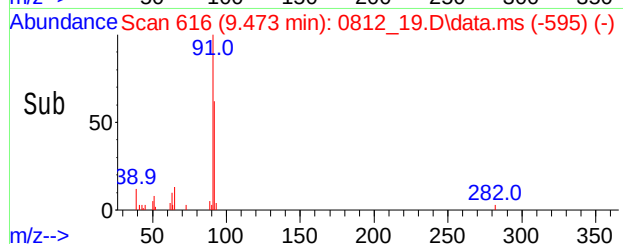
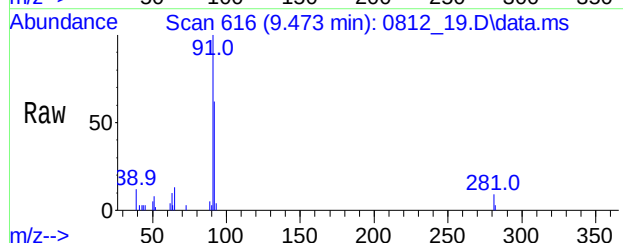
#14
Carbon Tetrachloride
Conc: 8\$ Below Cal
RT: 7.833 min Scan# 466
Delta R.T. -0.000 min
Lab File: 0812_19.D
Acq: 13 Aug 2020 2:58 am

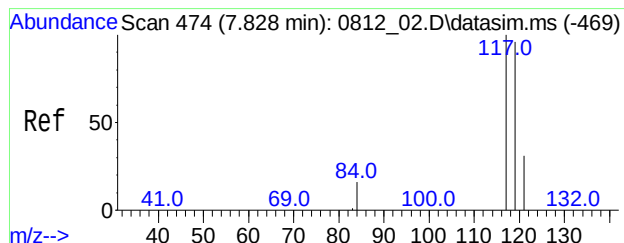
Tgt Ion:	117	Resp:	2314
Ion Ratio	Lower	Upper	
117	100		
119	98.9	78.1	118.1
121	25.8	11.3	51.3



#18
Toluene
Conc: 8\$ 0.237 ppbv
RT: 9.473 min Scan# 616
Delta R.T. -0.000 min
Lab File: 0812_19.D
Acq: 13 Aug 2020 2:58 am

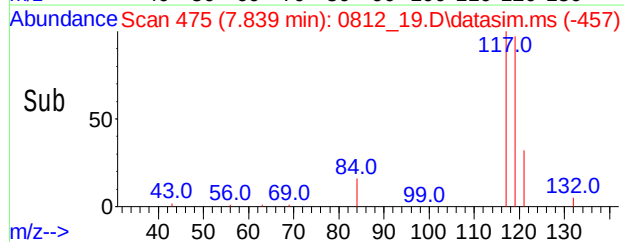
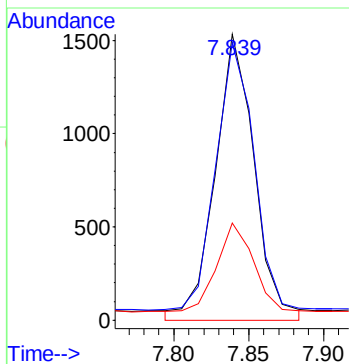
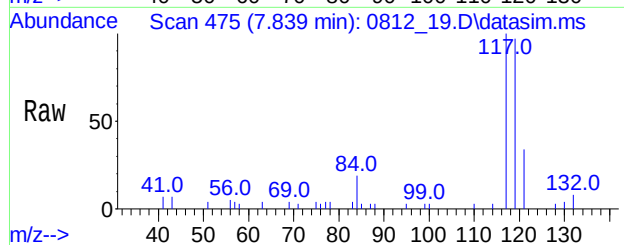
Tgt Ion:	91	Resp:	10628
Ion Ratio	Lower	Upper	
91	100		
92	61.6	47.5	71.3
65	11.3	9.2	13.8





#35
Carbon Tetrachloride(sim)
Conc: 8\$ 0.068 ppbv
RT: 7.833 min Scan# 475
Delta R.T. -0.000 min
Lab File: 0812_19.D
Acq: 13 Aug 2020 2:58 am

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	2314		
119	98.9	78.5	117.7	
121	25.8	25.0	37.6	



Data Path : H:\AIR2020\CHEM20\08AUG\12\
 Data File : 0812_20.D
 Acq On : 13 Aug 2020 3:39 am
 Operator :
 Client ID : FB-01
 Lab ID : CG52626
 ALS Vial : 23 Sample Multiplier: 1

Quant Time: Oct 02 13:09:11 2020
 Quant Method : H:\AIR2020\CHEM20\METHODS\20_AIR_0812_WALDEN.M
 Quant Title : VOA Standards for 5 point calibration
 Qlast Update : Fri Oct 02 13:04:18 2020
 Response via : Initial Calibration

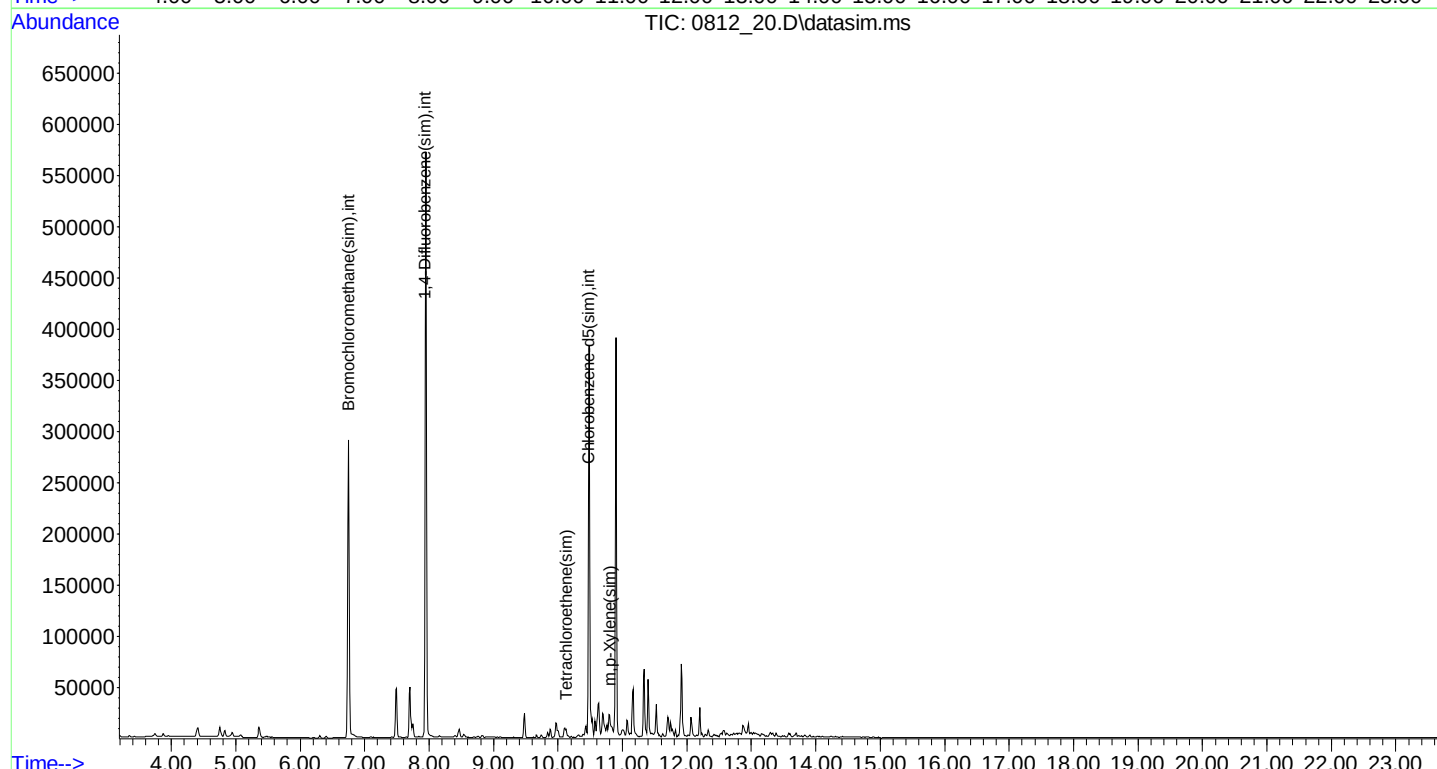
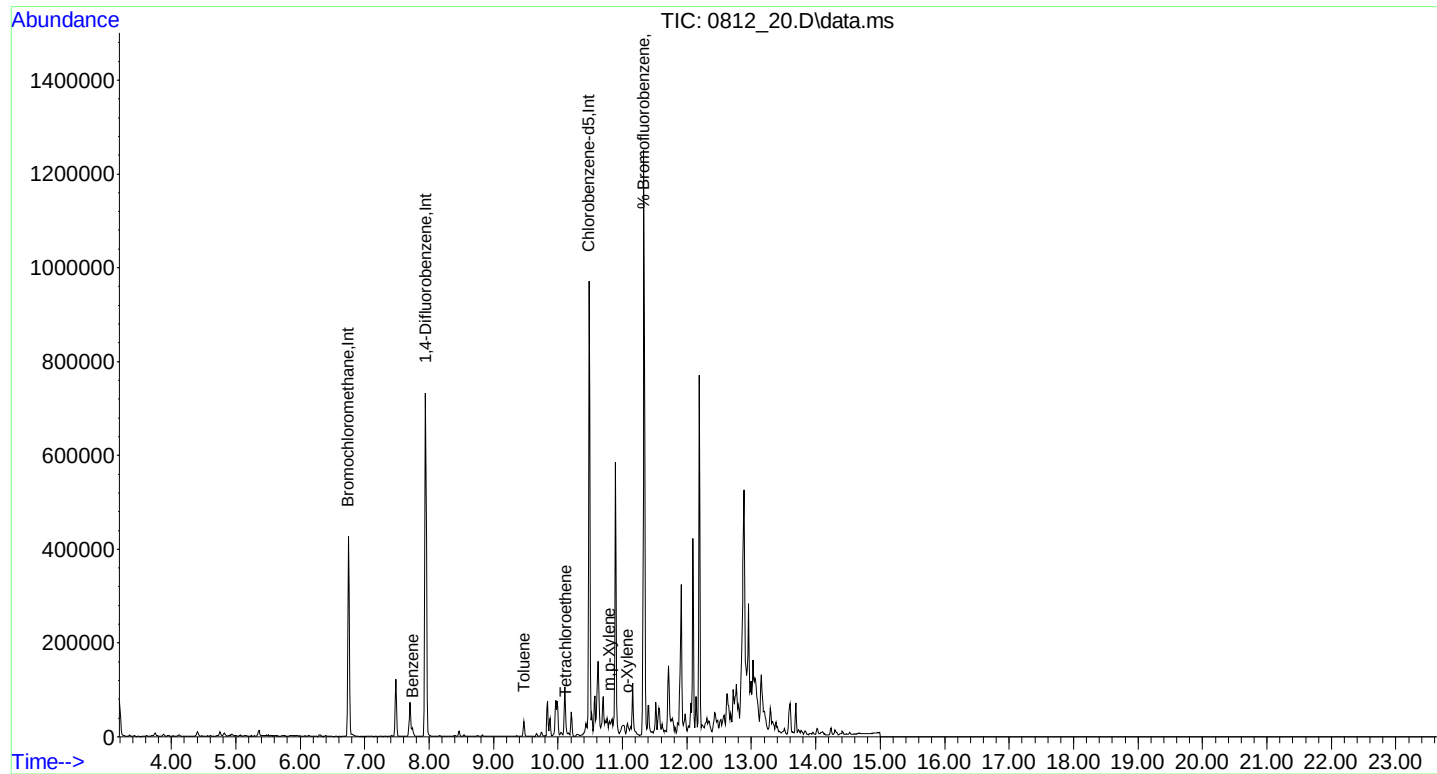
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	6.746	130	143319	10.000	ng	0.00
15) 1,4-Difluorobenzene	7.945	114	510063	10.000	ng	0.00
20) Chlorobenzene-d5	10.481	82	232846	10.000	ng	-0.01
30) Bromochloromethane(sim)	6.752	130	152000	10.000	ng	# 0.00
41) 1,4-Difluorobenzene(sim)	7.945	114	509756	10.000	ng	0.00
47) Chlorobenzene-d5(sim)	10.481	82	232846	10.000	ng	# 0.00
System Monitoring Compounds						
25) % Bromofluorobenzene	11.332	95	293999	10.318	ppbv	0.00
Spiked Amount	10.000	Range	70 - 130	Recovery	=	103.20%
Target Compounds						
5) Trichlorofluoromethane	4.826	101	5377	0.150	ppbv#	94
13) Benzene	7.744	78	12206	0.324	ppbv#	92
18) Toluene	9.473	91	18666	0.411	ppbv	97
19) Tetrachloroethene	10.123	166	3015	0.104	ppbv	98
23) m,p-Xylene	10.799	91	13060	0.302	ppbv	96
24) o-Xylene	11.076	91	9099	0.197	ppbv#	93
46) Tetrachloroethene(sim)	10.129	166	3405	0.134	ppbv	97
48) m,p-Xylene(sim)	10.805	91	14267	0.336	ppbv	98

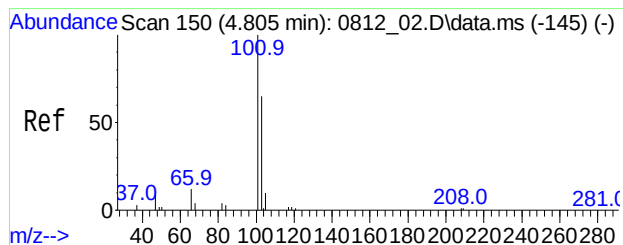
(#)out of range (m)manual integration reviewed by analyst (+)signals summed

Quantitation Report (QT Reviewed)

Data Path : H:\AIR2020\CHEM20\08AUG\12\
 Data File : 0812_20.D
 Acq On : 13 Aug 2020 3:39 am
 Operator :
 Client ID : FB-01
 Lab ID : CG52626
 ALS Vial : 23 Sample Multiplier: 1

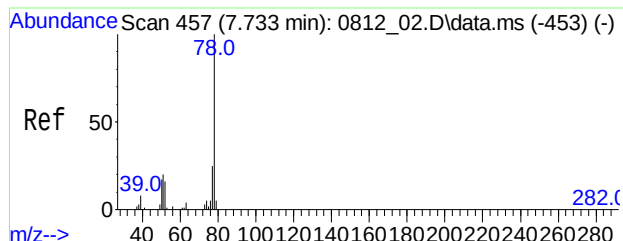
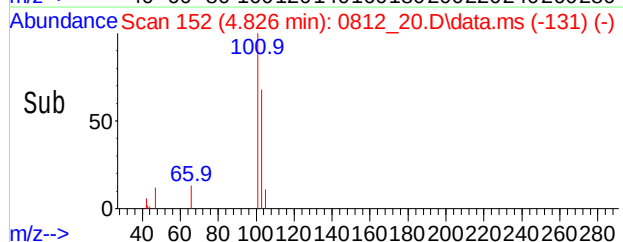
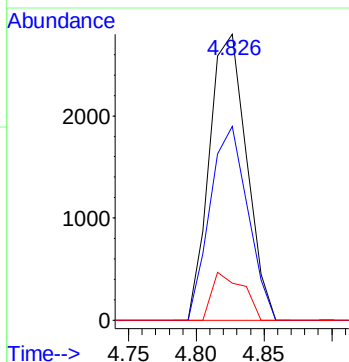
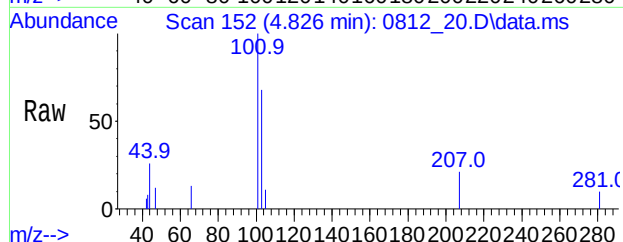
Quant Time: Oct 02 13:09:11 2020
 Quant Method : H:\AIR2020\CHEM20\METHODS\20_AIR_0812_WALDEN.M
 Quant Title : VOA Standards for 5 point calibration
 Last Update : Fri Oct 02 13:04:18 2020
 Response via : Initial Calibration





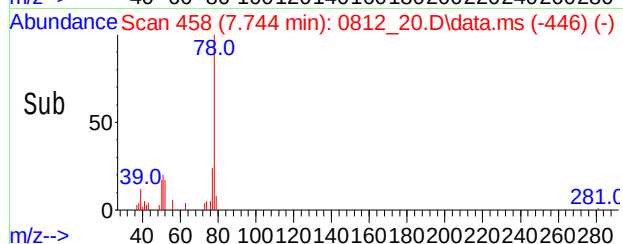
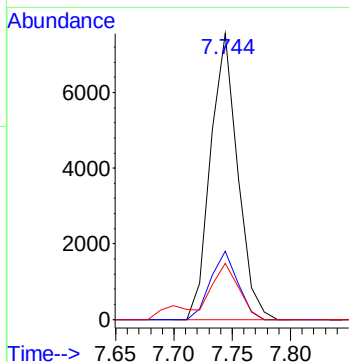
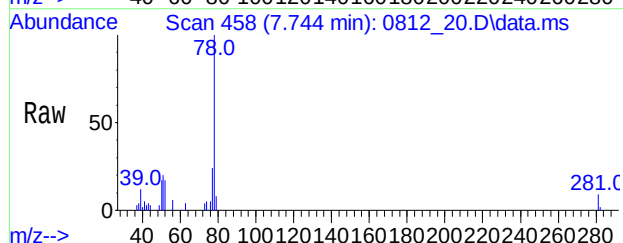
#5
 Trichlorofluoromethane
 Conc: 8\$ 0.150 ppbv
 RT: 4.826 min Scan# 152
 Delta R.T. 0.021 min
 Lab File: 0812_20.D
 Acq: 13 Aug 2020 3:39 am

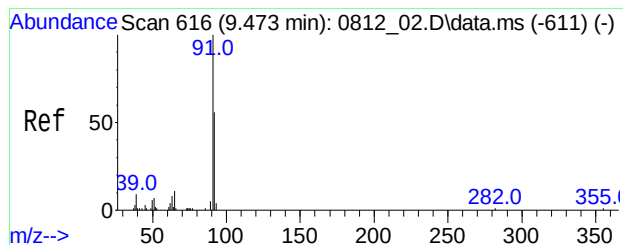
Tgt Ion	Ratio	Resp	Lower	Upper
101	100	5377		
103	68.9	51.6	77.4	
66	14.0	9.3	13.9#	



#13
 Benzene
 Conc: 8\$ 0.324 ppbv
 RT: 7.744 min Scan# 458
 Delta R.T. -0.000 min
 Lab File: 0812_20.D
 Acq: 13 Aug 2020 3:39 am

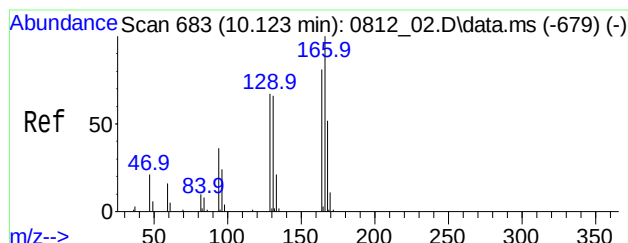
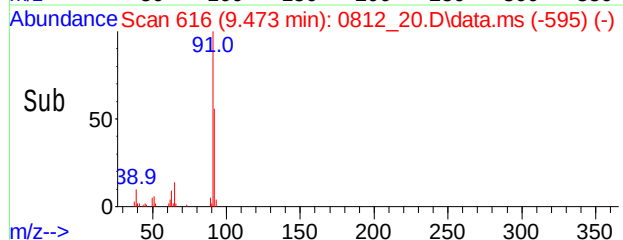
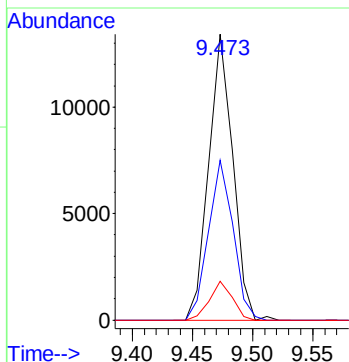
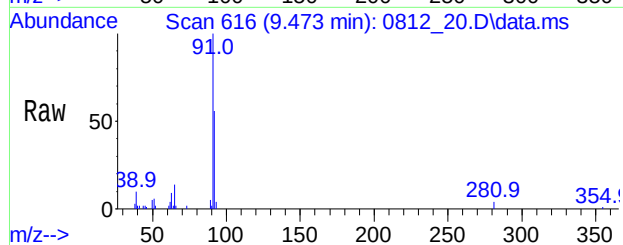
Tgt Ion	Ratio	Resp	Lower	Upper
78	100	12206		
77	24.1	18.6	27.8	
51	25.2	14.4	21.6#	





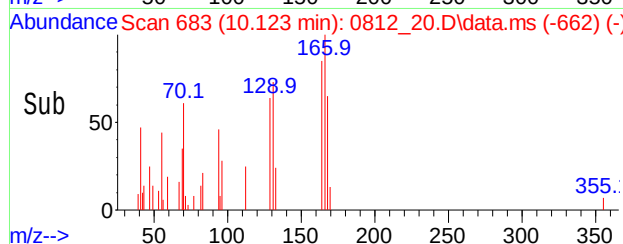
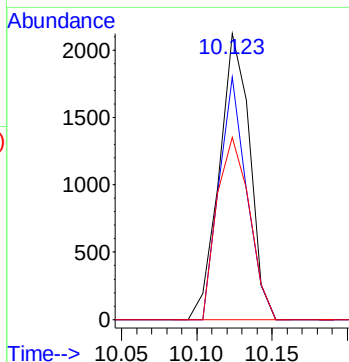
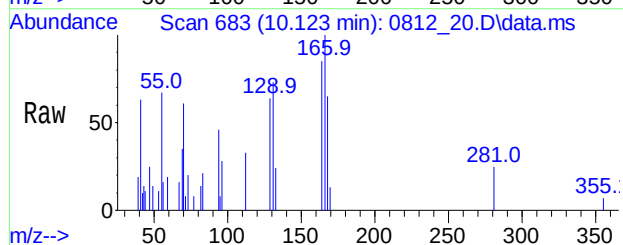
#18
Toluene
Conc: 8\$ 0.411 ppbv
RT: 9.473 min Scan# 616
Delta R.T. -0.000 min
Lab File: 0812_20.D
Acq: 13 Aug 2020 3:39 am

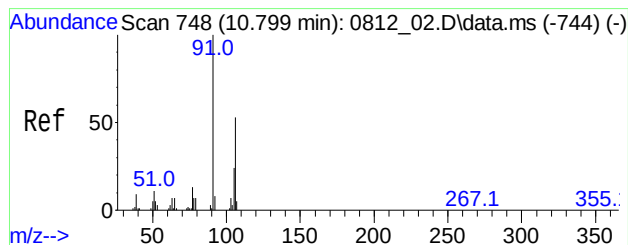
Tgt Ion	Ratio	Resp	Lower	Upper
91	100	18666		
92	57.3	47.5	71.3	
65	12.8	9.2	13.8	



#19
Tetrachloroethene
Conc: 8\$ 0.104 ppbv
RT: 10.123 min Scan# 683
Delta R.T. -0.000 min
Lab File: 0812_20.D
Acq: 13 Aug 2020 3:39 am

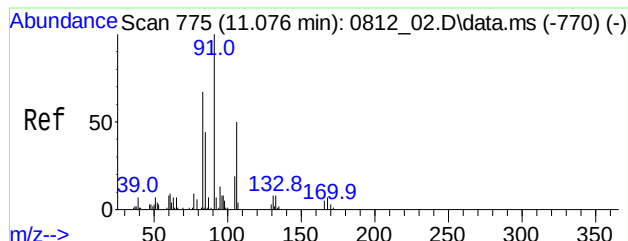
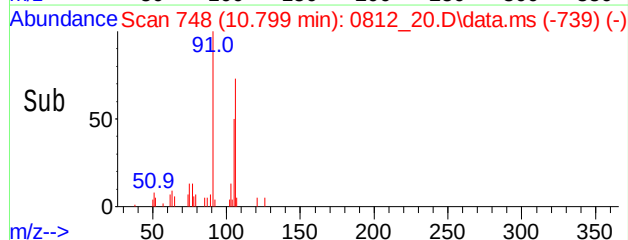
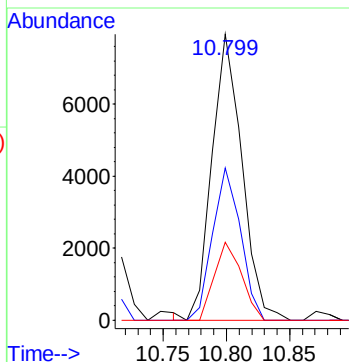
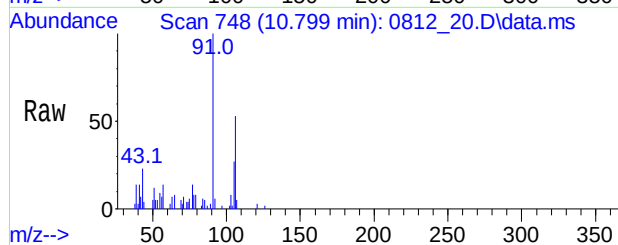
Tgt Ion	Ratio	Resp	Lower	Upper
166	100	3015		
164	76.4	62.2	93.4	
129	68.1	53.0	79.4	





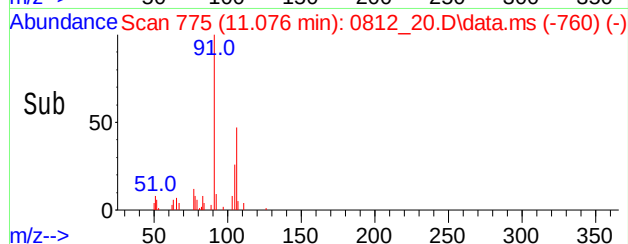
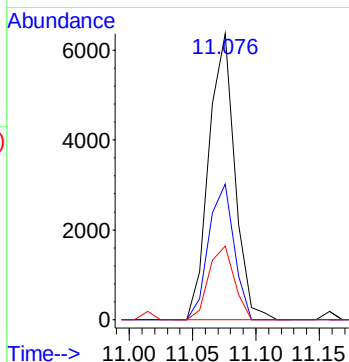
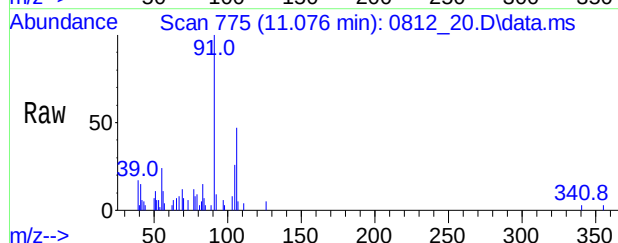
#23
m,p-Xylene
Conc: 8\$ 0.302 ppbv
RT: 10.799 min Scan# 748
Delta R.T. -0.010 min
Lab File: 0812_20.D
Acq: 13 Aug 2020 3:39 am

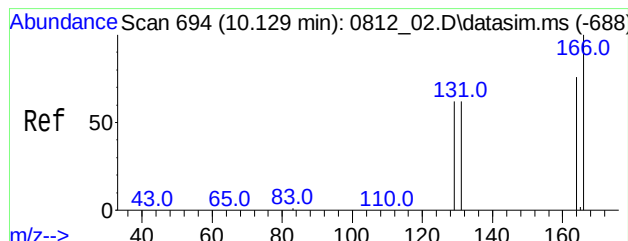
Tgt Ion	Ratio	Resp	Lower	Upper
91	100	13060		
106	49.5	42.2	63.4	
105	24.7	18.7	28.1	



#24
o-Xylene
Conc: 8\$ 0.197 ppbv
RT: 11.076 min Scan# 775
Delta R.T. -0.000 min
Lab File: 0812_20.D
Acq: 13 Aug 2020 3:39 am

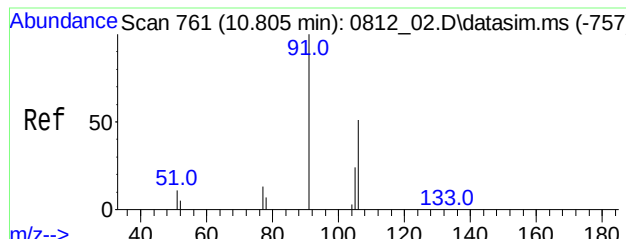
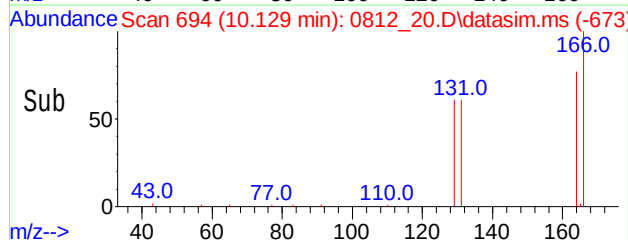
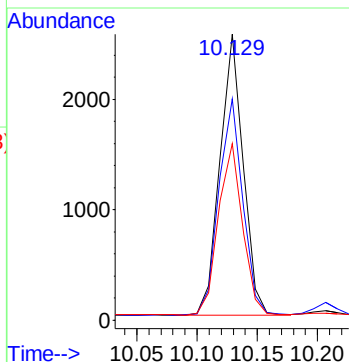
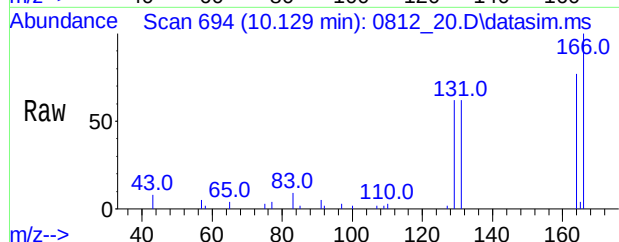
Tgt Ion	Ratio	Resp	Lower	Upper
91	100	9099		
106	46.2	39.8	59.8	
105	25.2	15.8	23.6#	





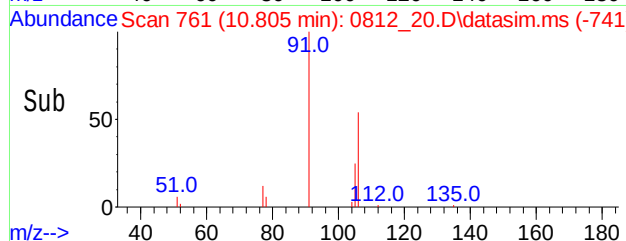
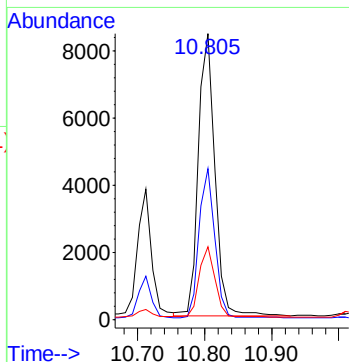
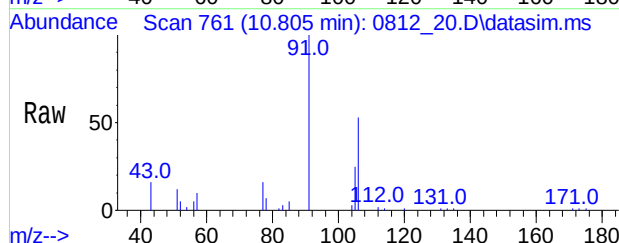
#46
Tetrachloroethene(sim)
Conc: 8\$ 0.134 ppbv
RT: 10.129 min Scan# 694
Delta R.T. 0.005 min
Lab File: 0812_20.D
Acq: 13 Aug 2020 3:39 am

Tgt Ion:	166	Resp:	3405
Ion Ratio	Lower	Upper	
166	100		
164	79.4	57.8	97.8
129	63.2	46.1	86.1



#48
m,p-Xylene(sim)
Conc: 8\$ 0.336 ppbv
RT: 10.805 min Scan# 761
Delta R.T. -0.000 min
Lab File: 0812_20.D
Acq: 13 Aug 2020 3:39 am

Tgt Ion:	91	Resp:	14267
Ion Ratio	Lower	Upper	
91	100		
106	50.2	46.1	56.3
105	24.3	18.7	28.1



Response Factor Report CHEM20

Method Path : H:\AIR2020\CHEM20\METHODS\
 Method File : 20_AIR_0812 WALDEN.M
 Title : VOA Standards for 5 point calibration
 Last Update : Wed Aug 12 11:43:18 2020
 Response Via : Initial Calibration

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

.035=0811_05.D 0.05=0811_06.D 0.10=0811_07.D 0.2=0811_08.D 0.5=0811_09.D 1.0=0811_15.D 2.5=0811_10.D 5.0=0811_11.D
 10=0811_16.D 25=0811_12.D 40=0811_13.D 0.02=0811_04.D

Compound	.035	0.05	0.10	0.2	0.5	1.0	2.5	5.0	10	25	40	0.02	Avg	%RSD
1) Int Bromochloromethane	-----ISTD-----													
2) Dichlorodifluo...				2.256	1.873	2.352	1.953	2.503	2.438	1.980	1.697		2.131	13.81
3) Vinyl Chloride				0.930	0.926	0.966	0.932	1.007	0.997	0.911	0.889		0.945	4.38
4) Acetone				1.619	1.498	1.529	1.379	1.431	1.409	1.298	1.266		1.429	8.26
5) Trichlorofluor...				2.542	2.513	2.566	2.490	2.657	2.584	2.374	2.320		2.506	4.43
6) 1,1-Dichloroet...				1.614	1.524	1.613	1.566	1.688	1.647	1.509	1.489		1.581	4.47
7) Methylene Chlo...				1.423	1.278	1.255	1.135	1.212	1.196	1.076	1.049		1.203	10.00
8) Trichlorotrifl...				2.153	2.010	2.084	2.062	2.198	2.119	1.952	1.912		2.061	4.77
10) Cis-1,2-Dichlo...					1.134	1.214	1.151	1.280	1.299	1.221	1.220		1.217	4.98
12) 1,1,1-Trichlor...				2.089	1.981	2.202	2.117	2.242	2.193	2.086	2.072		2.123	4.01
13) Benzene				2.455	2.442	2.647	2.599	2.794	2.791	2.638	2.633		2.625	4.99
14) Carbon Tetrach...				2.229	2.110	2.246	2.255	2.437	2.402	2.275	2.260		2.277	4.48
15) Int 1,4-Difluorobenzene	-----ISTD-----													
17) Trichloroethene				0.402	0.359	0.401	0.387	0.422	0.429	0.425	0.425		0.406	5.95
18) Toluene				0.759	0.740	0.873	0.853	0.956	0.982	0.969	0.988		0.890	11.22
19) Tetrachloroethene				0.557	0.514	0.561	0.552	0.585	0.596	0.594	0.602		0.570	5.22
20) Int Chlorobenzene-d5	-----ISTD-----													
21) Chlorobenzene				1.767	1.646	1.744	1.766	1.809	1.772	1.602	1.525		1.704	5.90
22) Ethylbenzene				2.148	2.184	2.471	2.513	2.690	2.692	2.451	2.303		2.431	8.54
23) m,p-Xylene				1.626	1.655	1.588	1.985	2.142	2.126	1.921	1.798		1.855	11.96
24) o-Xylene				1.713	1.730	2.017	2.103	2.237	2.187	1.991	1.856		1.979	10.00
25) Surr% Bromofluorob...				1.231	1.244	1.251	1.273	1.256	1.243	1.186	1.107		1.224	4.37
26) 1,3-Dichlorobe...				1.367	1.513	1.777	1.697	1.711	1.888	1.750	1.631		1.667	9.76
27) 1,4-Dichlorobe...				1.203	1.087	1.303	1.283	1.601	1.524	1.485	1.448		1.367	12.85
28) 1,2-Dichlorobe...				1.389	1.365	1.597	1.556	1.680	1.694	1.589	1.512		1.548	7.83
29) 1,2,4-Trichlor...				0.491	0.494	0.752	0.634	0.848	0.999	1.047	1.039		0.788	29.48
30) int Bromochloromethane...	-----ISTD-----													
31) Vinyl Chloride...	1.031	1.048	1.019	0.982	0.952	1.019	0.973	1.047				1.231	1.034	7.87
35) Carbon Tetrach...	2.397	2.449	2.019	2.077	1.960	2.096	2.090					2.867	2.244	13.67
36) 1,1-Dichloroet...	1.793	1.758	1.695	1.617	1.568	1.681	1.603	1.726				2.014	1.717	7.78
40) Cis-1,2-Dichlo...	1.388	1.326	1.262	1.199	1.168	1.296	1.222	1.334				1.582	1.309	9.50
41) int 1,4-Difluorobenzen...	-----ISTD-----													
44) Trichloroethen...	0.341	0.373	0.348	0.361	0.320	0.354	0.345	0.379				0.363	0.354	5.04
46) Tetrachloroeth...	0.481	0.458	0.482	0.500	0.458	0.496	0.492	0.525	0.528			0.566	0.499	6.70
47) int Chlorobenzene-d5(sim)	-----ISTD-----													
48) qfi m,p-Xylene(sim)	0.070	0.097	0.187	0.359	0.930	2.122	5.025	9.977					Coef R2	1.00
50) 1,4-Dichlorobe...	1.372	1.311	1.252	1.250	1.266	1.505	1.437	1.646				1.557	1.400	10.37

Response Factor Report CHEM20

Method Path : H:\AIR2020\CHEM20\METHODS\
Method File : 20_AIR_0812_WALDEN.M
Title : VOA Standards for 5 point calibration

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

6B

Client: WALDENE-IPARK

SDG No.: GCG52615

Calibration Date From: 08/11/20 14:02

Calibration Date Thru: 08/11/20 19:01

Method File: 20 AIR 0812 WALDEN.M

RRF1	0811_04.D	RRF2	0811_05.D	RRF3	0811_06.D	RRF4	0811_07.D	RRF5	0811_08.D	RRF6	0811_09.D	RRF7	0811_10.D	RRF8	0811_11.D	RRF9	0811_12.D	RRF10	0811_13.D	RRF11	0811_14.D	RRF12	0811_15.D	RRF13	0811_16.D	RRF14	0811_17.D	RRF15	0811_18.D	RRF16	0811_19.D	RRF17	0811_20.D	RRF18	0811_21.D	RRF19	0811_22.D	RRF20	0811_23.D	RRF21	0811_24.D	RRF22	0811_25.D	RRF23	0811_26.D	RRF24	0811_27.D	RRF25	0811_28.D	RRF26	0811_29.D	RRF27	0811_30.D	RRF28	0811_31.D	RRF29	0811_32.D	RRF30	0811_33.D	RRF31	0811_34.D	RRF32	0811_35.D	RRF33	0811_36.D	RRF34	0811_37.D	RRF35	0811_38.D	RRF36	0811_39.D	RRF37	0811_40.D	RRF38	0811_41.D	RRF39	0811_42.D	RRF40	0811_43.D	RRF41	0811_44.D	RRF42	0811_45.D	RRF43	0811_46.D	RRF44	0811_47.D	RRF45	0811_48.D	RRF46	0811_49.D	RRF47	0811_50.D	RRF48	0811_51.D	RRF49	0811_52.D	RRF50	0811_53.D	RRF51	0811_54.D	RRF52	0811_55.D	RRF53	0811_56.D	RRF54	0811_57.D	RRF55	0811_58.D	RRF56	0811_59.D	RRF57	0811_60.D	RRF58	0811_61.D	RRF59	0811_62.D	RRF60	0811_63.D	RRF61	0811_64.D	RRF62	0811_65.D	RRF63	0811_66.D	RRF64	0811_67.D	RRF65	0811_68.D	RRF66	0811_69.D	RRF67	0811_70.D	RRF68	0811_71.D	RRF69	0811_72.D	RRF70	0811_73.D	RRF71	0811_74.D	RRF72	0811_75.D	RRF73	0811_76.D	RRF74	0811_77.D	RRF75	0811_78.D	RRF76	0811_79.D	RRF77	0811_80.D	RRF78	0811_81.D	RRF79	0811_82.D	RRF80	0811_83.D	RRF81	0811_84.D	RRF82	0811_85.D	RRF83	0811_86.D	RRF84	0811_87.D	RRF85	0811_88.D	RRF86	0811_89.D	RRF87	0811_90.D	RRF88	0811_91.D	RRF89	0811_92.D	RRF90	0811_93.D	RRF91	0811_94.D	RRF92	0811_95.D	RRF93	0811_96.D	RRF94	0811_97.D	RRF95	0811_98.D	RRF96	0811_99.D	RRF97	0811_100.D	RRF98	0811_101.D	RRF99	0811_102.D	RRF100	0811_103.D	RRF101	0811_104.D	RRF102	0811_105.D	RRF103	0811_106.D	RRF104	0811_107.D	RRF105	0811_108.D	RRF106	0811_109.D	RRF107	0811_110.D	RRF108	0811_111.D	RRF109	0811_112.D	RRF110	0811_113.D	RRF111	0811_114.D	RRF112	0811_115.D	RRF113	0811_116.D	RRF114	0811_117.D	RRF115	0811_118.D	RRF116	0811_119.D	RRF117	0811_120.D	RRF118	0811_121.D	RRF119	0811_122.D	RRF120	0811_123.D	RRF121	0811_124.D	RRF122	0811_125.D	RRF123	0811_126.D	RRF124	0811_127.D	RRF125	0811_128.D	RRF126	0811_129.D	RRF127	0811_130.D	RRF128	0811_131.D	RRF129	0811_132.D	RRF130	0811_133.D	RRF131	0811_134.D	RRF132	0811_135.D	RRF133	0811_136.D	RRF134	0811_137.D	RRF135	0811_138.D	RRF136	0811_139.D	RRF137	0811_140.D	RRF138	0811_141.D	RRF139	0811_142.D	RRF140	0811_143.D	RRF141	0811_144.D	RRF142	0811_145.D	RRF143	0811_146.D	RRF144	0811_147.D	RRF145	0811_148.D	RRF146	0811_149.D	RRF147	0811_150.D	RRF148	0811_151.D	RRF149	0811_152.D	RRF150	0811_153.D	RRF151	0811_154.D	RRF152	0811_155.D	RRF153	0811_156.D	RRF154	0811_157.D	RRF155	0811_158.D	RRF156	0811_159.D	RRF157	0811_160.D	RRF158	0811_161.D	RRF159	0811_162.D	RRF160	0811_163.D	RRF161	0811_164.D	RRF162	0811_165.D	RRF163	0811_166.D	RRF164	0811_167.D	RRF165	0811_168.D	RRF166	0811_169.D	RRF167	0811_170.D	RRF168	0811_171.D	RRF169	0811_172.D	RRF170	0811_173.D	RRF171	0811_174.D	RRF172	0811_175.D	RRF173	0811_176.D	RRF174	0811_177.D	RRF175	0811_178.D	RRF176	0811_179.D	RRF177	0811_180.D	RRF178	0811_181.D	RRF179	0811

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

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

6B

Client: WALDENE-IPARK

SDG No.: GCG52615

Calibration Date From: 08/11/20 14:02

Calibration Date Thru: 08/11/20 19:01

Method File: 20 AIR 0812 WALDEN.M

[illegible]

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

Phoenix Environmental Laboratories, Inc.

Quantitation Report (RF) (QT Reviewed)

Data Path : H:\AIR2020\CHEM20\08AUG\11\
 Data File : 0811_04.D
 Acq On : 11 Aug 2020 11:37 am
 Operator :
 Client ID : ICAL 0.02
 Lab ID : 0.02
 ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 12 11:35:36 2020
 Quant Method : H:\AIR2020\CHEM20\METHODS\20_AIR_0812.M
 Quant Title : VOA Standards for 5 point calibration
 Qlast Update : Wed Aug 12 11:34:58 2020
 Response via : Initial Calibration

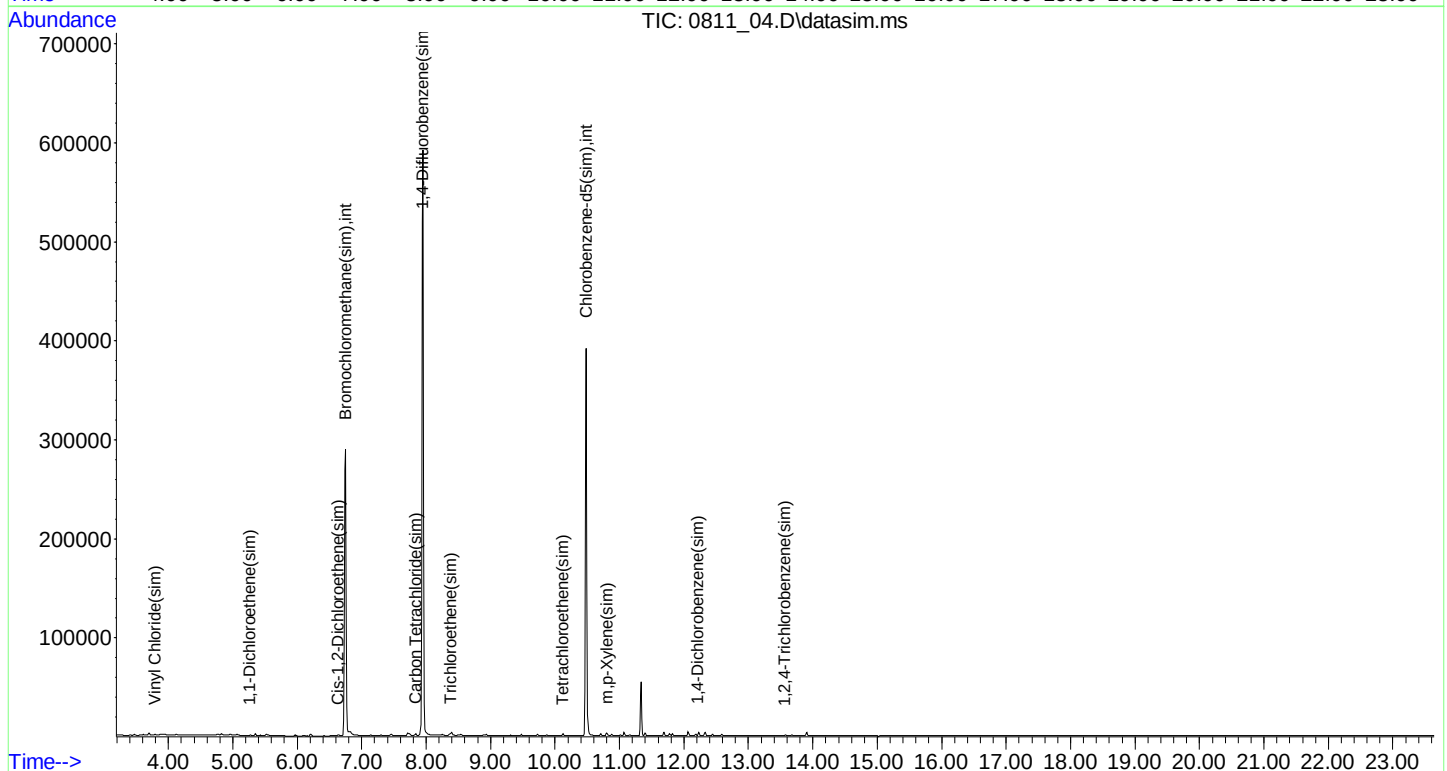
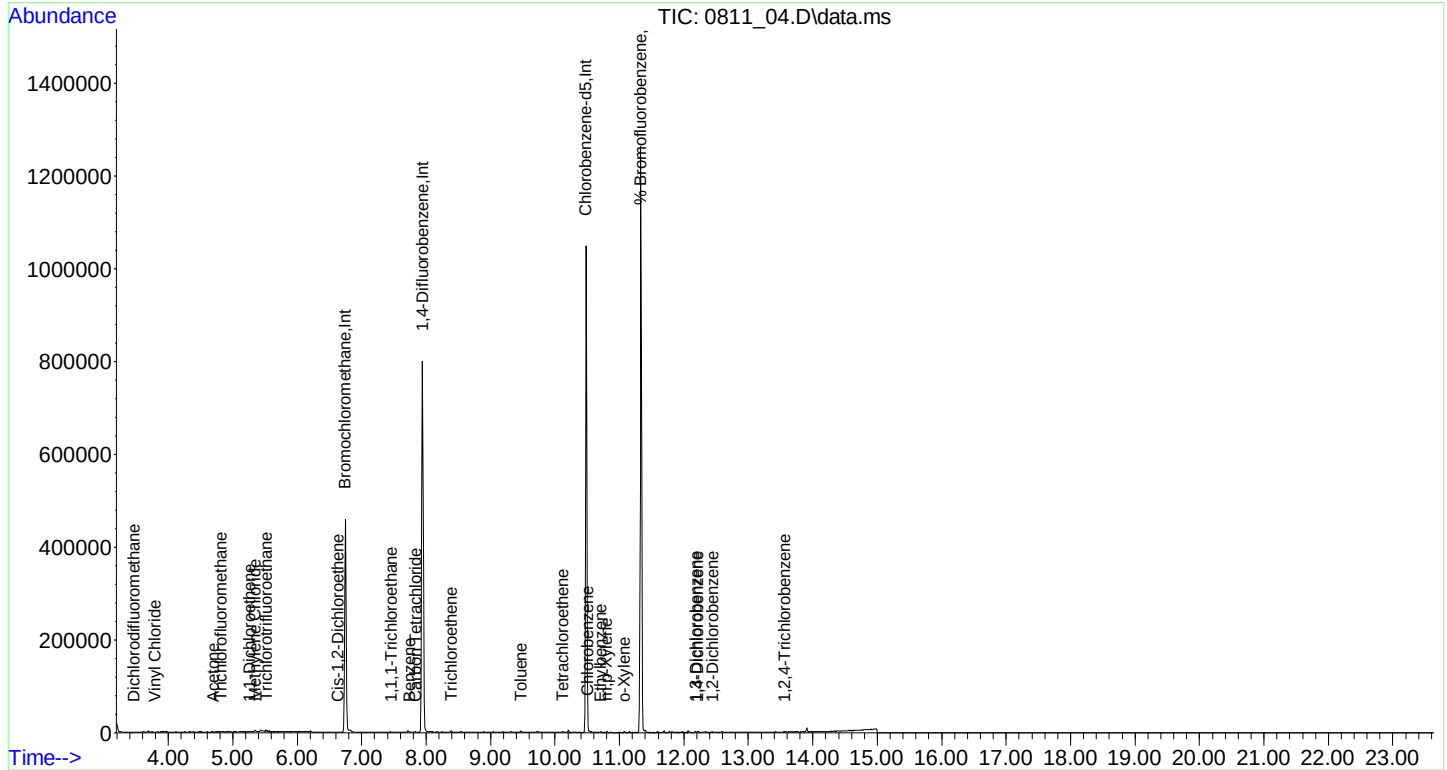
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	6.746	130	155854	10.000	ng	0.00
36) 1,4-Difluorobenzene	7.945	114	570142	10.000	ng	0.00
53) Chlorobenzene-d5	10.481	82	248939	10.000	ng	0.00
80) Bromochloromethane(sim)	6.752	130	168102	10.000	ng	# 0.00
94) 1,4-Difluorobenzene(sim)	7.950	114	639417	10.000	ng	0.00
104) Chlorobenzene-d5(sim)	10.487	82	270701	10.000	ng	0.00
System Monitoring Compounds						
62) % Bromofluorobenzene	11.332	95	305175	9.833	ppbv	0.00
Spiked Amount	10.000	Range	70 - 130	Recovery	=	98.30%
Target Compounds						
					Qvalue	
3) Dichlorodifluoromethane	3.468	85	935	0.028	ppbv#	63
6) Vinyl Chloride	3.792	62	107	0.007	ppbv#	43
12) Acetone	4.697	43	144	0.006	ppbv#	40
13) Trichlorofluoromethane	4.816	101	932	0.024	ppbv#	86
16) 1,1-Dichloroethene	5.262	61	585	0.024	ppbv#	69
17) Methylene Chloride	5.348	49	1641	0.088	ppbv	95
21) Trichlorotrifluoroethane	5.520	101	867	0.027	ppbv	97
26) Cis-1,2-Dichloroethene	6.631	61	481	0.025	ppbv#	59
32) 1,1,1-Trichloroethane	7.454	97	865	0.026	ppbv#	94
33) Benzene	7.744	78	1082	0.026	ppbv#	66
34) Carbon Tetrachloride	7.833	117	830	0.023	ppbv	93
39) Trichloroethene	8.390	130	464	0.020	ppbv	90
48) Toluene	9.473	91	1024	0.020	ppbv#	87
52) Tetrachloroethene	10.123	166	724	0.022	ppbv	95
55) Chlorobenzene	10.512	112	1098	0.026	ppbv#	1
56) Ethylbenzene	10.707	91	1434	0.024	ppbv	95
57) m, p-Xylene	10.799	91	1763	0.038	ppbv	94
61) o-Xylene	11.076	91	869	0.018	ppbv#	77
71) 1,3-Dichlorobenzene	12.184	146	732	0.018	ppbv#	78
72) 1,4-Dichlorobenzene	12.214	146	806	0.024	ppbv#	78
75) 1,2-Dichlorobenzene	12.440	146	685	0.018	ppbv#	76
77) 1,2,4-Trichlorobenzene	13.569	180	247	0.013	ppbv#	82
82) Vinyl Chloride(sim)	3.797	62	414	0.024	ppbv	93
87) Carbon Tetrachloride(sim)	7.839	117	964m	0.026	ppbv	70
88) 1,1-Dichloroethene(sim)	5.267	61	677	0.023	ppbv	90
92) Cis-1,2-Dichloroethene...	6.637	61	532	0.024	ppbv	94
97) Trichloroethene(sim)	8.390	130	464	0.021	ppbv	87
103) Tetrachloroethene(sim)	10.123	166	724	0.023	ppbv	95
112) 1,4-Dichlorobenzene(sim)	12.220	146	843	0.022	ppbv	99

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

Quantitation Report (RF) (QT Reviewed)

Data Path : H:\AIR2020\CHEM20\08AUG\11\
 Data File : 0811_04.D
 Acq On : 11 Aug 2020 11:37 am
 Operator :
 Client ID : ICAL 0.02
 Lab ID : 0.02
 ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 12 11:35:36 2020
 Quant Method : H:\AIR2020\CHEM20\METHODS\20_AIR_0812.M
 Quant Title : VOA Standards for 5 point calibration
 Last Update : Wed Aug 12 11:34:58 2020
 Response via : Initial Calibration



Quantitation Report (RF) (QT Reviewed)

Data Path : H:\AIR2020\CHEM20\08AUG\11\
 Data File : 0811_05.D
 Acq On : 11 Aug 2020 12:13 pm
 Operator :
 Client ID : ICAL 0.035
 Lab ID : 0.035
 ALS Vial : 4 Sample Multiplier: 1

Quant Time: Aug 12 11:36:05 2020
 Quant Method : H:\AIR2020\CHEM20\METHODS\20_AIR_0812.M
 Quant Title : VOA Standards for 5 point calibration
 QLast Update : Wed Aug 12 11:35:50 2020
 Response via : Initial Calibration

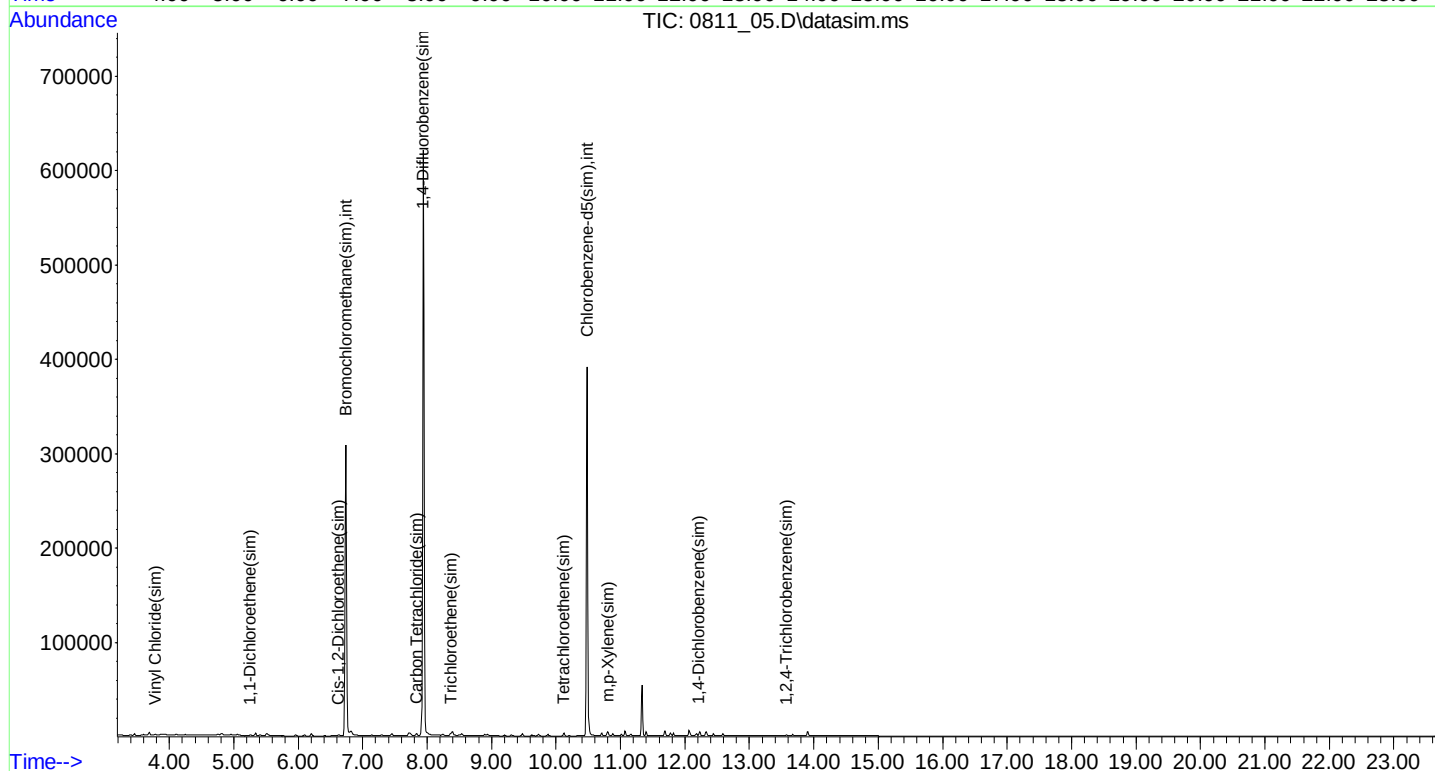
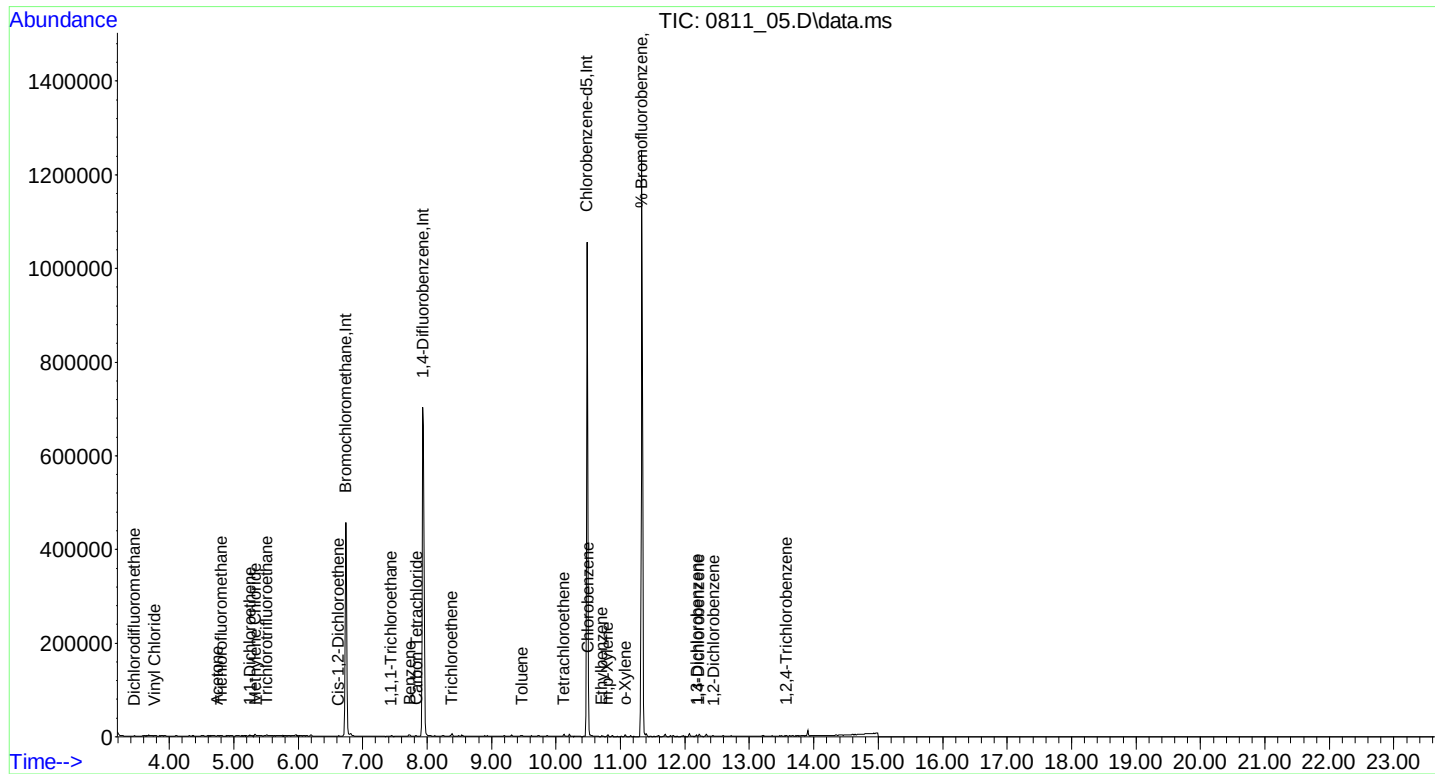
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	6.736	130	153988	10.000	ng	-0.01
36) 1,4-Difluorobenzene	7.934	114	559786	10.000	ng	-0.01
53) Chlorobenzene-d5	10.481	82	243857	10.000	ng	0.00
80) Bromochloromethane(sim)	6.741	130	166508	10.000	ng	#-0.01
94) 1,4-Difluorobenzene(sim)	7.939	114	631591	10.000	ng	-0.01
104) Chlorobenzene-d5(sim)	10.487	82	268902	10.000	ng	0.00
System Monitoring Compounds						
62) % Bromofluorobenzene	11.332	95	300121	9.871	ppbv	0.00
Spiked Amount	10.000	Range	70 - 130	Recovery	=	98.70%
Target Compounds						
					Qvalue	
3) Dichlorodifluoromethane	3.457	85	1550	0.047	ppbv#	52
6) Vinyl Chloride	3.770	62	565	0.039	ppbv	100
12) Acetone	4.751	43	1246	0.057	ppbv	100
13) Trichlorofluoromethane	4.805	101	1532	0.040	ppbv	85
16) 1,1-Dichloroethene	5.253	61	999	0.041	ppbv#	78
17) Methylene Chloride	5.331	49	1867	0.101	ppbv#	89
21) Trichlorotrifluoroethane	5.512	101	1015	0.032	ppbv	92
26) Cis-1,2-Dichloroethene	6.621	61	474	0.025	ppbv#	59
32) 1,1,1-Trichloroethane	7.444	97	1317	0.040	ppbv	88
33) Benzene	7.733	78	1638	0.041	ppbv#	78
34) Carbon Tetrachloride	7.833	117	1397	0.040	ppbv#	92
39) Trichloroethene	8.379	130	754	0.033	ppbv	91
48) Toluene	9.473	91	1861	0.037	ppbv#	82
52) Tetrachloroethene	10.123	166	1063	0.033	ppbv#	88
55) Chlorobenzene	10.502	112	1698	0.041	ppbv#	41
56) Ethylbenzene	10.707	91	2136	0.036	ppbv	99
57) m, p-Xylene	10.799	91	3012	0.067	ppbv	94
61) o-Xylene	11.076	91	1383	0.029	ppbv#	79
71) 1,3-Dichlorobenzene	12.184	146	1498	0.037	ppbv#	64
72) 1,4-Dichlorobenzene	12.214	146	1027	0.031	ppbv#	76
75) 1,2-Dichlorobenzene	12.440	146	1220	0.032	ppbv#	80
77) 1,2,4-Trichlorobenzene	13.579	180	374	0.019	ppbv	96
82) Vinyl Chloride(sim)	3.786	62	601	0.035	ppbv	95
87) Carbon Tetrachloride(sim)	7.833	117	1397	0.037	ppbv#	81
88) 1,1-Dichloroethene(sim)	5.259	61	1045	0.037	ppbv	96
92) Cis-1,2-Dichloroethene...	6.627	61	809	0.037	ppbv	94
97) Trichloroethene(sim)	8.379	130	754	0.034	ppbv#	85
103) Tetrachloroethene(sim)	10.123	166	1063	0.034	ppbv	88
112) 1,4-Dichlorobenzene(sim)	12.220	146	1291	0.034	ppbv	98

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

Quantitation Report (RF) (QT Reviewed)

Data Path : H:\AIR2020\CHEM20\08AUG\11\
 Data File : 0811_05.D
 Acq On : 11 Aug 2020 12:13 pm
 Operator :
 Client ID : ICAL 0.035
 Lab ID : 0.035
 ALS Vial : 4 Sample Multiplier: 1

Quant Time: Aug 12 11:36:05 2020
 Quant Method : H:\AIR2020\CHEM20\METHODS\20_AIR_0812.M
 Quant Title : VOA Standards for 5 point calibration
 Last Update : Wed Aug 12 11:35:50 2020
 Response via : Initial Calibration



Quantitation Report (RF) (QT Reviewed)

Data Path : H:\AIR2020\CHEM20\08AUG\11\
 Data File : 0811_06.D
 Acq On : 11 Aug 2020 12:49 pm
 Operator :
 Client ID : ICAL 0.05
 Lab ID : 0.05
 ALS Vial : 5 Sample Multiplier: 1

Quant Time: Aug 12 11:36:38 2020
 Quant Method : H:\AIR2020\CHEM20\METHODS\20_AIR_0812.M
 Quant Title : VOA Standards for 5 point calibration
 QLast Update : Wed Aug 12 11:36:18 2020
 Response via : Initial Calibration

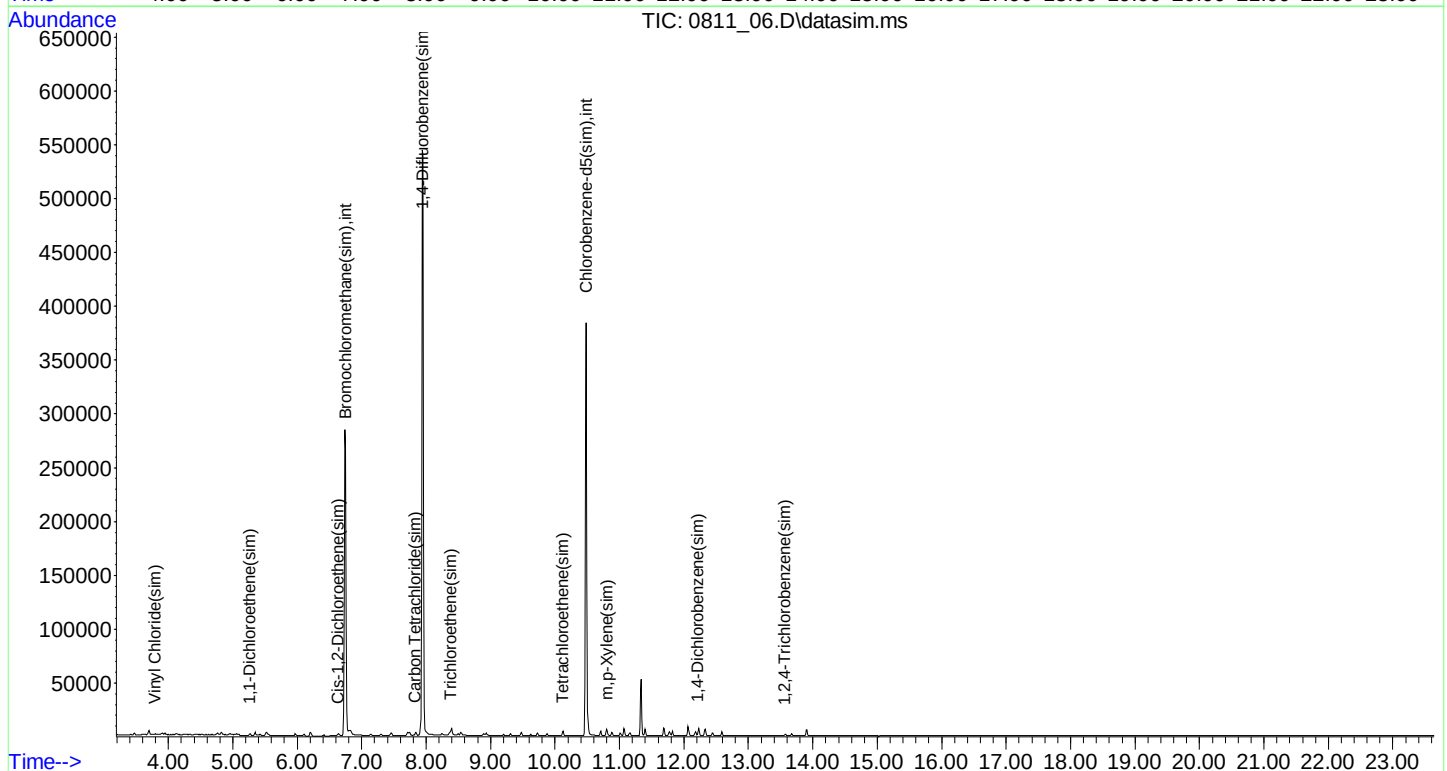
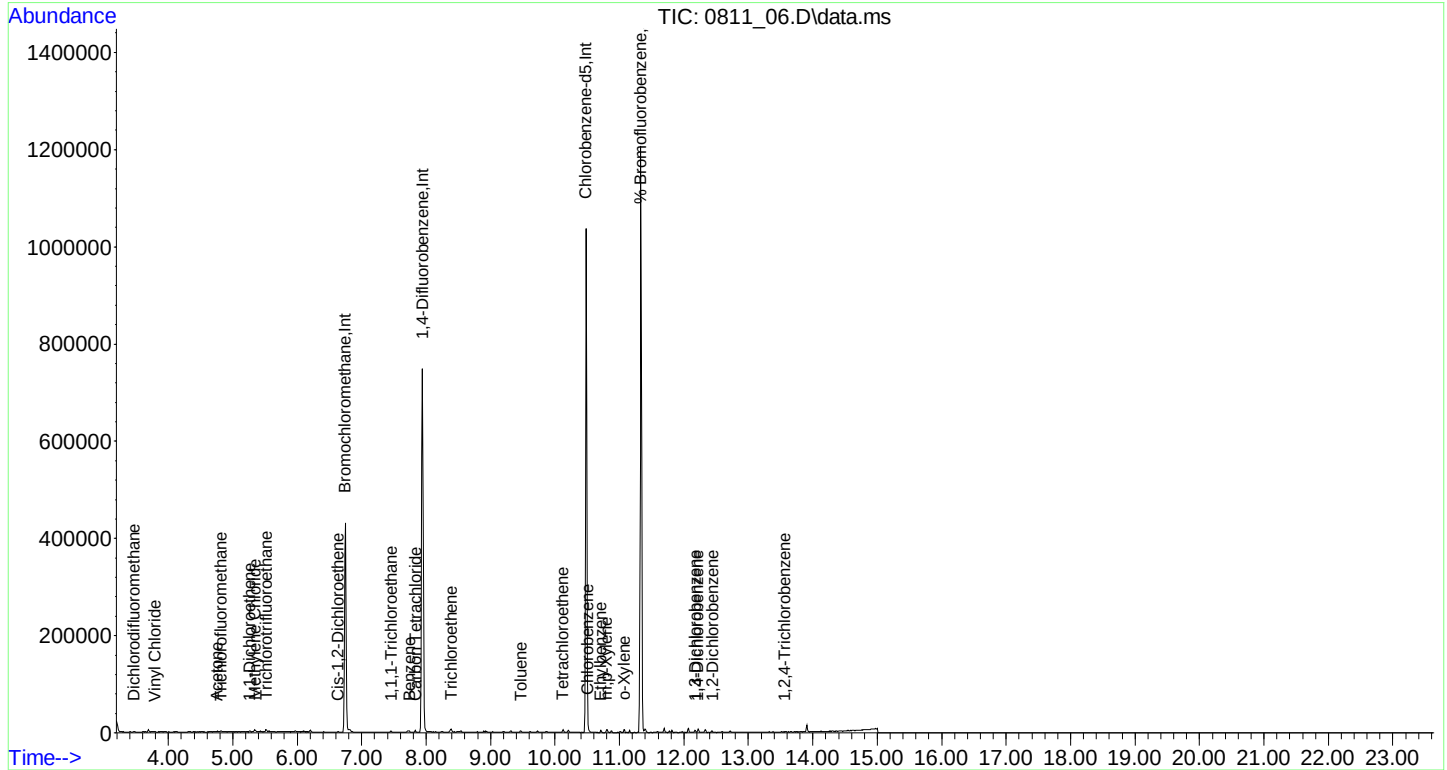
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	6.746	130	151606	10.000	ng	0.01
36) 1,4-Difluorobenzene	7.945	114	557666	10.000	ng	0.01
53) Chlorobenzene-d5	10.482	82	244736	10.000	ng	0.00
80) Bromochloromethane(sim)	6.752	130	164535	10.000	ng	# 0.01
94) 1,4-Difluorobenzene(sim)	7.950	114	621845	10.000	ng	0.01
104) Chlorobenzene-d5(sim)	10.487	82	264863	10.000	ng	0.00
System Monitoring Compounds						
62) % Bromofluorobenzene	11.332	95	293559	9.621	ppbv	0.00
Spiked Amount	10.000	Range	70 - 130	Recovery	=	96.20%
Target Compounds						
					Qvalue	
3) Dichlorodifluoromethane	3.468	85	1900	0.059	ppbv	95
6) Vinyl Chloride	3.792	62	716	0.050	ppbv	100
12) Acetone	4.762	43	1674	0.077	ppbv	91
13) Trichlorofluoromethane	4.816	101	2333	0.061	ppbv	95
16) 1,1-Dichloroethene	5.262	61	1363	0.057	ppbv#	84
17) Methylene Chloride	5.339	49	2228	0.122	ppbv	87
21) Trichlorotrifluoroethane	5.520	101	1692	0.054	ppbv	92
26) Cis-1,2-Dichloroethene	6.631	61	869	0.047	ppbv	84
32) 1,1,1-Trichloroethane	7.454	97	1674	0.052	ppbv#	79
33) Benzene	7.744	78	2108	0.053	ppbv#	94
34) Carbon Tetrachloride	7.833	117	2015	0.058	ppbv#	79
39) Trichloroethene	8.390	130	1160	0.051	ppbv#	88
48) Toluene	9.473	91	2283	0.046	ppbv	98
52) Tetrachloroethene	10.123	166	1514	0.048	ppbv#	84
55) Chlorobenzene	10.512	112	2202	0.053	ppbv#	82
56) Ethylbenzene	10.707	91	2949	0.050	ppbv	98
57) m,p-Xylene	10.799	91	4344	0.096	ppbv	99
61) o-Xylene	11.076	91	2017	0.042	ppbv	94
71) 1,3-Dichlorobenzene	12.173	146	1938	0.048	ppbv#	76
72) 1,4-Dichlorobenzene	12.214	146	1359	0.041	ppbv#	92
75) 1,2-Dichlorobenzene	12.440	146	1981	0.052	ppbv	87
77) 1,2,4-Trichlorobenzene	13.569	180	491	0.025	ppbv#	62
82) Vinyl Chloride(sim)	3.797	62	862	0.051	ppbv	96
87) Carbon Tetrachloride(sim)	7.833	117	2015	0.055	ppbv#	79
88) 1,1-Dichloroethene(sim)	5.267	61	1446	0.051	ppbv	99
92) Cis-1,2-Dichloroethene...	6.637	61	1091	0.051	ppbv	98
97) Trichloroethene(sim)	8.390	130	1160	0.053	ppbv	95
103) Tetrachloroethene(sim)	10.123	166	1424	0.046	ppbv	89
112) 1,4-Dichlorobenzene(sim)	12.220	146	1736	0.047	ppbv	97

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

Quantitation Report (RF) (QT Reviewed)

Data Path : H:\AIR2020\CHEM20\08AUG\11\
 Data File : 0811_06.D
 Acq On : 11 Aug 2020 12:49 pm
 Operator :
 Client ID : ICAL 0.05
 Lab ID : 0.05
 ALS Vial : 5 Sample Multiplier: 1

Quant Time: Aug 12 11:36:38 2020
 Quant Method : H:\AIR2020\CHEM20\METHODS\20_AIR_0812.M
 Quant Title : VOA Standards for 5 point calibration
 Last Update : Wed Aug 12 11:36:18 2020
 Response via : Initial Calibration



Quantitation Report (RF) (QT Reviewed)

Data Path : H:\AIR2020\CHEM20\08AUG\11\
 Data File : 0811_07.D
 Acq On : 11 Aug 2020 1:26 pm
 Operator :
 Client ID : ICAL 0.1
 Lab ID : 0.10
 ALS Vial : 6 Sample Multiplier: 1

Quant Time: Aug 12 11:37:21 2020
 Quant Method : H:\AIR2020\CHEM20\METHODS\20_AIR_0812.M
 Quant Title : VOA Standards for 5 point calibration
 Qlast Update : Wed Aug 12 11:37:07 2020
 Response via : Initial Calibration

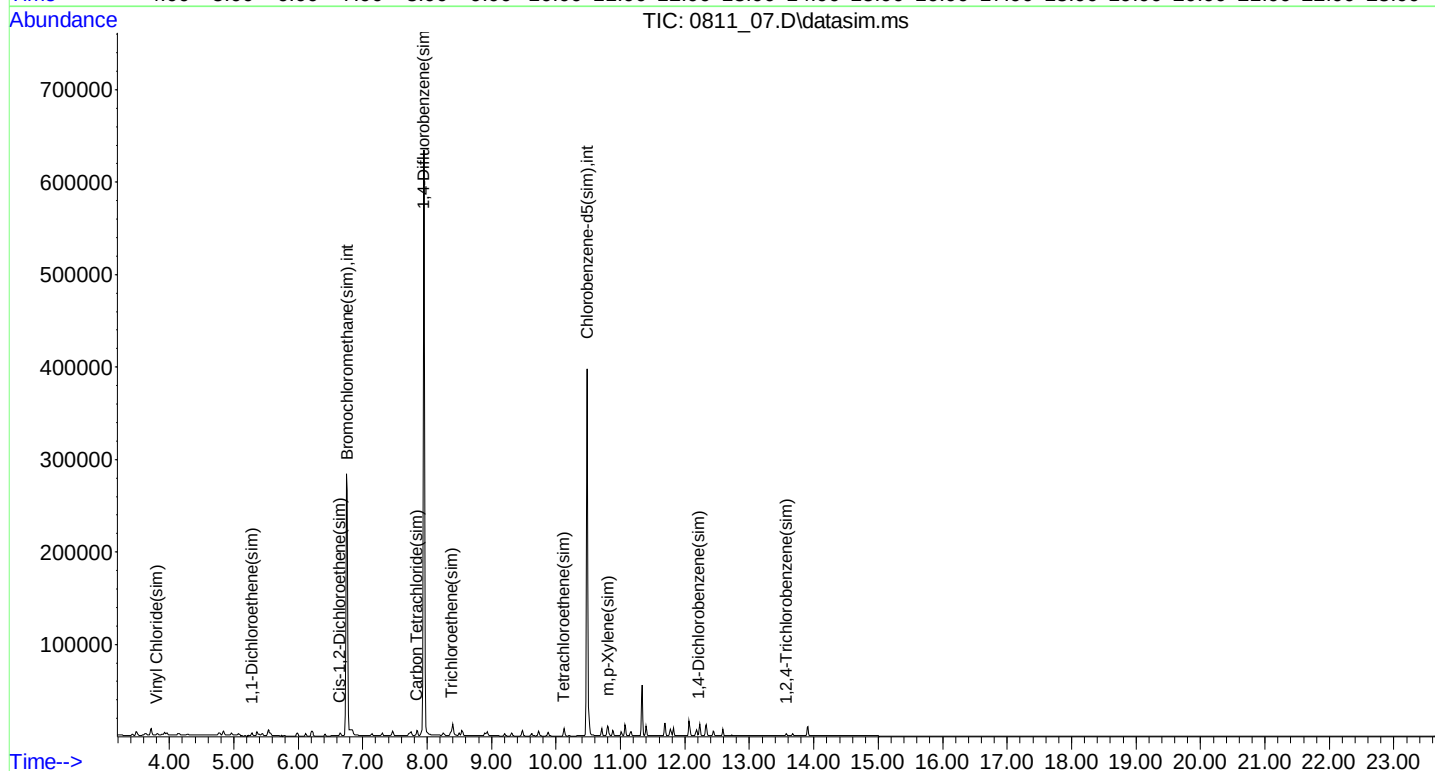
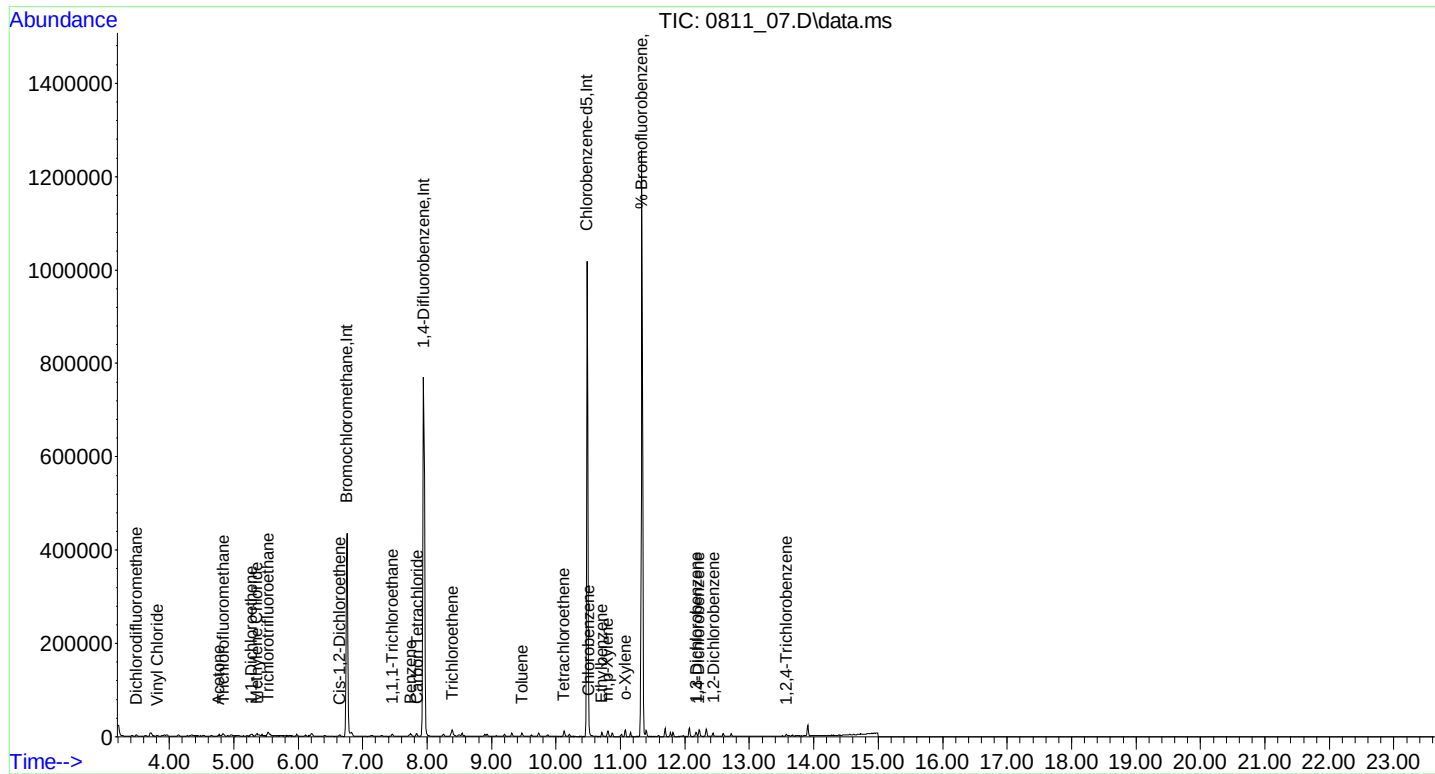
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	6.756	130	153296	10.000	ng	0.02
36) 1,4-Difluorobenzene	7.944	114	556534	10.000	ng	0.01
53) Chlorobenzene-d5	10.481	82	240001	10.000	ng	0.00
80) Bromochloromethane(sim)	6.762	130	164000	10.000	ng	# 0.02
94) 1,4-Difluorobenzene(sim)	7.950	114	624832	10.000	ng	0.01
104) Chlorobenzene-d5(sim)	10.487	82	265646	10.000	ng	0.00
System Monitoring Compounds						
62) % Bromofluorobenzene	11.332	95	297707	9.949	ppbv	0.00
Spiked Amount	10.000	Range	70 - 130	Recovery	=	99.50%
Target Compounds						
					Qvalue	
3) Dichlorodifluoromethane	3.490	85	4086	0.125	ppbv	98
6) Vinyl Chloride	3.813	62	1482	0.102	ppbv	100
12) Acetone	4.772	43	2784	0.127	ppbv#	86
13) Trichlorofluoromethane	4.837	101	4067	0.106	ppbv	92
16) 1,1-Dichloroethene	5.279	61	2255	0.093	ppbv#	84
17) Methylene Chloride	5.356	49	2978	0.161	ppbv	92
21) Trichlorotrifluoroethane	5.537	101	3449	0.109	ppbv	89
26) Cis-1,2-Dichloroethene	6.642	61	1766	0.095	ppbv	92
32) 1,1,1-Trichloroethane	7.454	97	2991	0.092	ppbv#	77
33) Benzene	7.744	78	4089	0.102	ppbv	95
34) Carbon Tetrachloride	7.844	117	3311	0.095	ppbv	89
39) Trichloroethene	8.390	130	2177	0.096	ppbv	98
48) Toluene	9.473	91	4428	0.089	ppbv	99
52) Tetrachloroethene	10.123	166	3012	0.095	ppbv#	87
55) Chlorobenzene	10.512	112	4496	0.110	ppbv#	33
56) Ethylbenzene	10.707	91	5398	0.093	ppbv	93
57) m,p-Xylene	10.799	91	8334	0.187	ppbv	99
61) o-Xylene	11.076	91	4231	0.089	ppbv	93
71) 1,3-Dichlorobenzene	12.173	146	3488	0.087	ppbv#	74
72) 1,4-Dichlorobenzene	12.214	146	2748	0.084	ppbv	93
75) 1,2-Dichlorobenzene	12.440	146	3232	0.087	ppbv	94
77) 1,2,4-Trichlorobenzene	13.579	180	1309	0.069	ppbv#	70
82) Vinyl Chloride(sim)	3.808	62	1671	0.099	ppbv	96
87) Carbon Tetrachloride(sim)	7.844	117	3311	0.090	ppbv	89
88) 1,1-Dichloroethene(sim)	5.284	61	2779	0.099	ppbv	98
92) Cis-1,2-Dichloroethene...	6.647	61	2070	0.096	ppbv	99
97) Trichloroethene(sim)	8.390	130	2177	0.098	ppbv	96
103) Tetrachloroethene(sim)	10.123	166	3012	0.097	ppbv#	87
106) m,p-Xylene(sim)	10.805	91	9020	0.189	ppbv	99
112) 1,4-Dichlorobenzene(sim)	12.220	146	3326	0.089	ppbv	98
117) 1,2,4-Trichlorobenzene...	13.579	180	1091	0.102	ppbv	84

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

Quantitation Report (RF) (QT Reviewed)

Data Path : H:\AIR2020\CHEM20\08AUG\11\
 Data File : 0811_07.D
 Acq On : 11 Aug 2020 1:26 pm
 Operator :
 Client ID : ICAL 0.1
 Lab ID : 0.10
 ALS Vial : 6 Sample Multiplier: 1

Quant Time: Aug 12 11:37:21 2020
 Quant Method : H:\AIR2020\CHEM20\METHODS\20_AIR_0812.M
 Quant Title : VOA Standards for 5 point calibration
 Last Update : Wed Aug 12 11:37:07 2020
 Response via : Initial Calibration



Quantitation Report (RF) (QT Reviewed)

Data Path : H:\AIR2020\CHEM20\08AUG\11\
 Data File : 0811_08.D
 Acq On : 11 Aug 2020 2:02 pm
 Operator :
 Client ID : ICAL 0.2
 Lab ID : 0.2
 ALS Vial : 7 Sample Multiplier: 1

Quant Time: Aug 12 11:42:02 2020
 Quant Method : H:\AIR2020\CHEM20\METHODS\20_AIR_0812.M
 Quant Title : VOA Standards for 5 point calibration
 QLast Update : Wed Aug 12 11:37:43 2020
 Response via : Initial Calibration

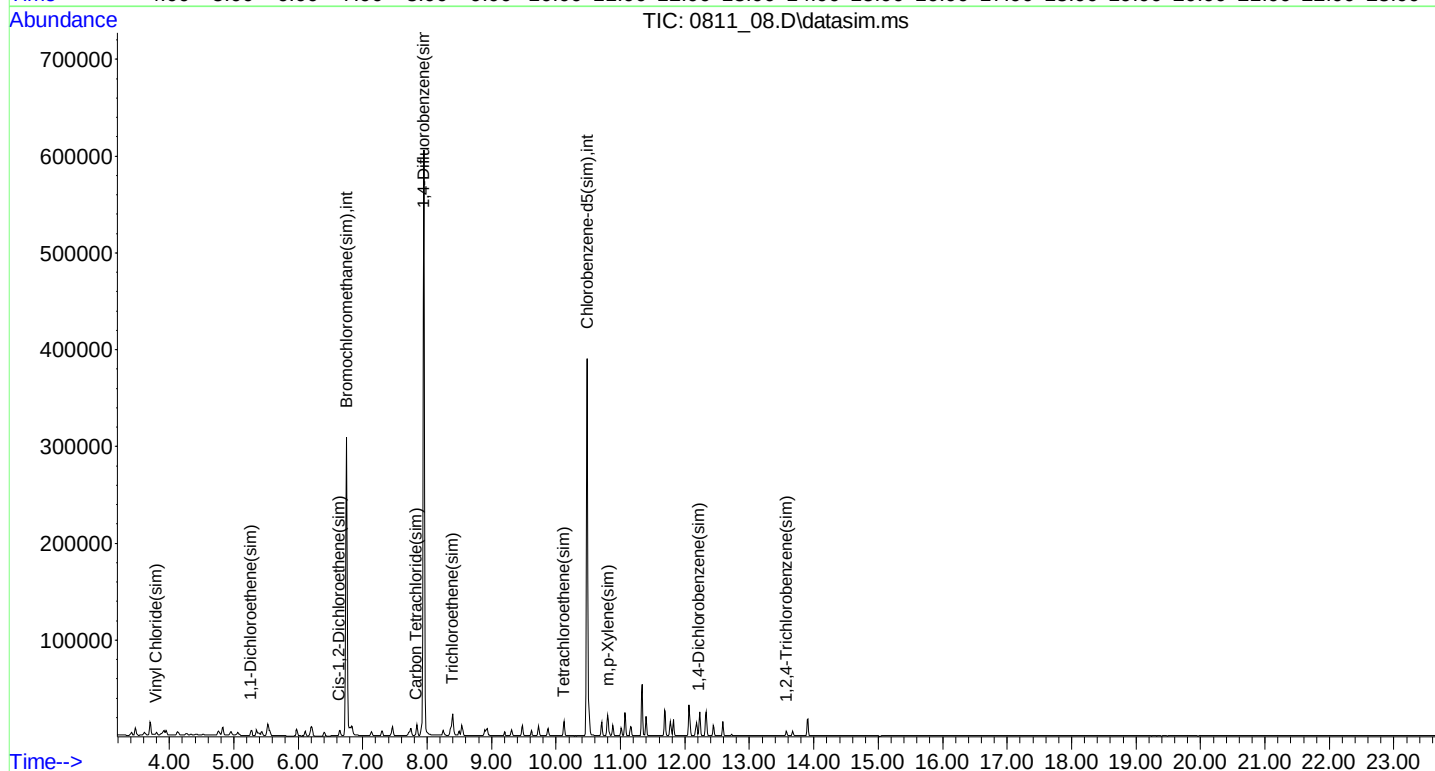
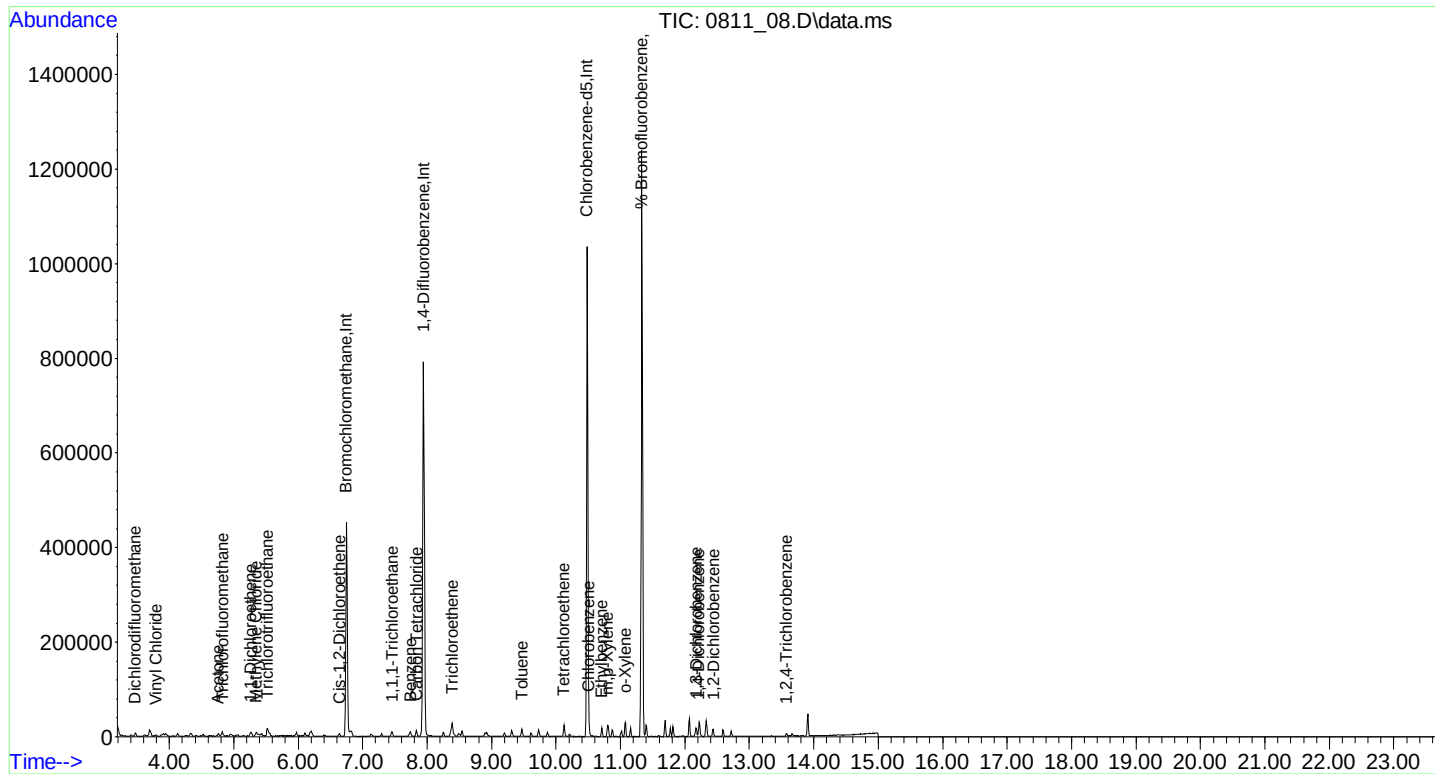
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	6.746	130	152161	10.000	ng	-0.01
36) 1,4-Difluorobenzene	7.945	114	554509	10.000	ng	0.00
53) Chlorobenzene-d5	10.481	82	242779	10.000	ng	0.00
80) Bromochloromethane(sim)	6.752	130	163340	10.000	ng	#-0.01
94) 1,4-Difluorobenzene(sim)	7.950	114	617451	10.000	ng	0.00
104) Chlorobenzene-d5(sim)	10.487	82	264208	10.000	ng	0.00
System Monitoring Compounds						
62) % Bromofluorobenzene	11.332	95	298843	9.873	ppbv	0.00
Spiked Amount	10.000	Range	70 - 130	Recovery	=	98.70%
Target Compounds						
					Qvalue	
3) Dichlorodifluoromethane	3.468	85	6864	0.212	ppbv#	93
6) Vinyl Chloride	3.792	62	2831	0.197	ppbv	85
12) Acetone	4.762	43	4927	0.227	ppbv	93
13) Trichlorofluoromethane	4.826	101	7735	0.203	ppbv	97
16) 1,1-Dichloroethene	5.262	61	4912	0.204	ppbv	86
17) Methylene Chloride	5.348	49	4329	0.236	ppbv	99
21) Trichlorotrifluoroethane	5.520	101	6551	0.209	ppbv	96
26) Cis-1,2-Dichloroethene	6.642	61	3487	0.188	ppbv	97
32) 1,1,1-Trichloroethane	7.454	97	6356	0.197	ppbv	94
33) Benzene	7.744	78	7470	0.187	ppbv	94
34) Carbon Tetrachloride	7.833	117	6784	0.196	ppbv	91
39) Trichloroethene	8.390	130	4460	0.198	ppbv	93
48) Toluene	9.473	91	8422	0.171	ppbv	93
52) Tetrachloroethene	10.123	166	6174	0.195	ppbv	92
55) Chlorobenzene	10.512	112	8578	0.207	ppbv#	71
56) Ethylbenzene	10.707	91	10430	0.177	ppbv	97
57) m,p-Xylene	10.799	91	15788	0.351	ppbv	97
61) o-Xylene	11.076	91	8319	0.173	ppbv	97
71) 1,3-Dichlorobenzene	12.173	146	6640	0.164	ppbv	95
72) 1,4-Dichlorobenzene	12.214	146	5843	0.176	ppbv	87
75) 1,2-Dichlorobenzene	12.440	146	6745	0.180	ppbv	90
77) 1,2,4-Trichlorobenzene	13.579	180	2386	0.125	ppbv#	83
82) Vinyl Chloride(sim)	3.797	62	3208	0.190	ppbv	95
87) Carbon Tetrachloride(sim)	7.833	117	6784	0.185	ppbv	91
88) 1,1-Dichloroethene(sim)	5.267	61	5281	0.188	ppbv	98
92) Cis-1,2-Dichloroethene...	6.637	61	3918	0.183	ppbv	99
97) Trichloroethene(sim)	8.390	130	4460	0.204	ppbv	98
103) Tetrachloroethene(sim)	10.123	166	6174	0.201	ppbv	90
106) m,p-Xylene(sim)	10.805	91	17332	0.370	ppbv	100
112) 1,4-Dichlorobenzene(sim)	12.220	146	6607	0.179	ppbv	100
117) 1,2,4-Trichlorobenzene...	13.579	180	2386	0.205	ppbv	94

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

Quantitation Report (RF) (QT Reviewed)

Data Path : H:\AIR2020\CHEM20\08AUG\11\
 Data File : 0811_08.D
 Acq On : 11 Aug 2020 2:02 pm
 Operator :
 Client ID : ICAL 0.2
 Lab ID : 0.2
 ALS Vial : 7 Sample Multiplier: 1

Quant Time: Aug 12 11:42:02 2020
 Quant Method : H:\AIR2020\CHEM20\METHODS\20_AIR_0812.M
 Quant Title : VOA Standards for 5 point calibration
 Last Update : Wed Aug 12 11:37:43 2020
 Response via : Initial Calibration



Quantitation Report (RF) (QT Reviewed)

Data Path : H:\AIR2020\CHEM20\08AUG\11\
 Data File : 0811_09.D
 Acq On : 11 Aug 2020 2:41 pm
 Operator :
 Client ID : ICAL 0.5
 Lab ID : 0.50
 ALS Vial : 8 Sample Multiplier: 1

Quant Time: Aug 12 11:42:06 2020
 Quant Method : H:\AIR2020\CHEM20\METHODS\20_AIR_0812.M
 Quant Title : VOA Standards for 5 point calibration
 Qlast Update : Wed Aug 12 11:38:17 2020
 Response via : Initial Calibration

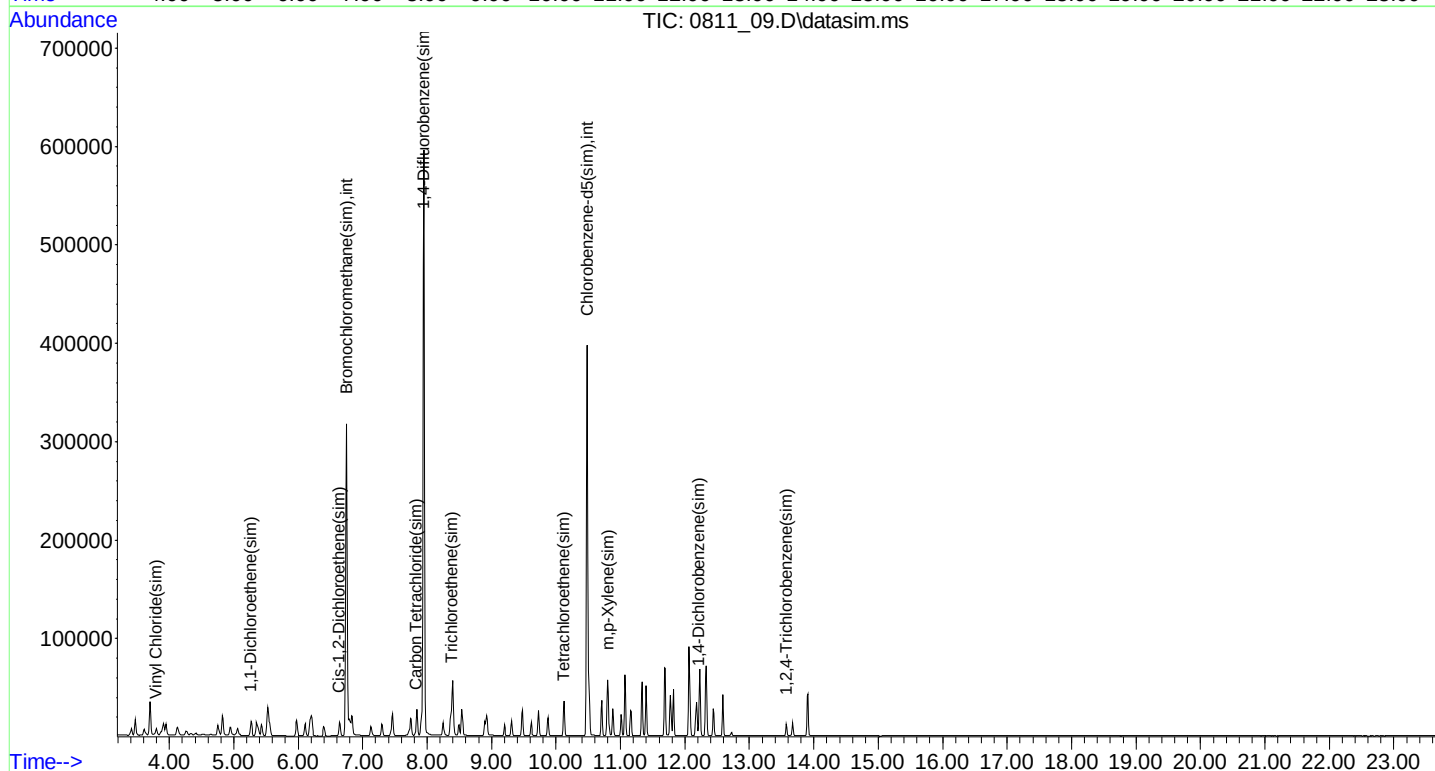
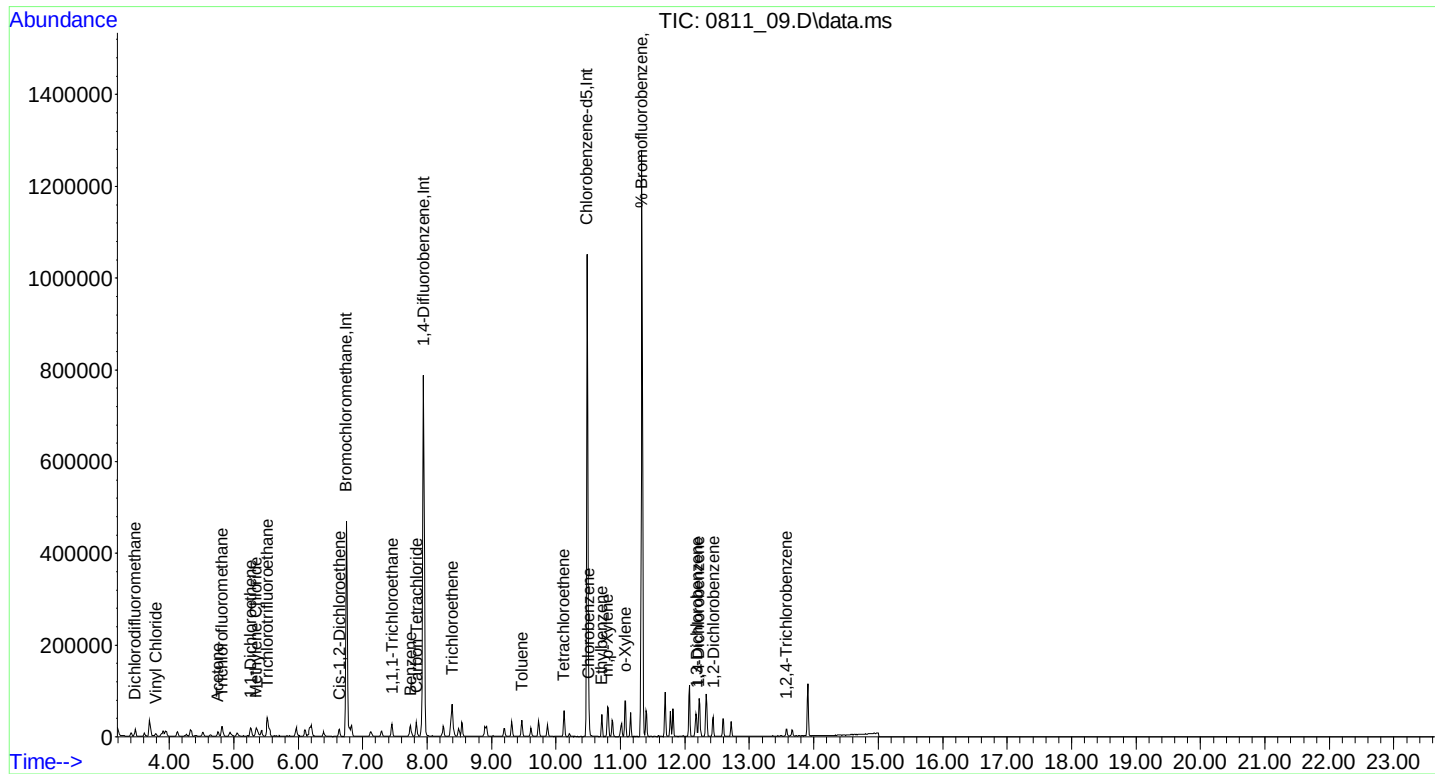
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	6.746	130	151936	10.000	ng	0.00
36) 1,4-Difluorobenzene	7.945	114	553296	10.000	ng	0.00
53) Chlorobenzene-d5	10.481	82	245158	10.000	ng	0.00
80) Bromochloromethane(sim)	6.751	130	163621	10.000	ng	# 0.00
94) 1,4-Difluorobenzene(sim)	7.950	114	621094	10.000	ng	0.00
104) Chlorobenzene-d5(sim)	10.487	82	265182	10.000	ng	0.00
System Monitoring Compounds						
62) % Bromofluorobenzene	11.332	95	304893	10.017	ppbv	0.00
Spiked Amount	10.000	Range	70 - 130	Recovery	=	100.20%
Target Compounds						
					Qvalue	
3) Dichlorodifluoromethane	3.468	85	14227	0.439	ppbv	99
6) Vinyl Chloride	3.791	62	7032	0.490	ppbv	94
12) Acetone	4.751	43	11377	0.524	ppbv	97
13) Trichlorofluoromethane	4.815	101	19094	0.501	ppbv	97
16) 1,1-Dichloroethene	5.262	61	11578	0.482	ppbv	96
17) Methylene Chloride	5.348	49	9708	0.531	ppbv	91
21) Trichlorotrifluoroethane	5.520	101	15271	0.488	ppbv	97
26) Cis-1,2-Dichloroethene	6.642	61	8614	0.466	ppbv	97
32) 1,1,1-Trichloroethane	7.454	97	15046	0.467	ppbv	96
33) Benzene	7.744	78	18553	0.465	ppbv	97
34) Carbon Tetrachloride	7.833	117	16032	0.463	ppbv	94
39) Trichloroethene	8.390	130	9936	0.442	ppbv	91
48) Toluene	9.473	91	20475	0.416	ppbv	98
52) Tetrachloroethene	10.123	166	14233	0.451	ppbv	97
55) Chlorobenzene	10.512	112	20182	0.483	ppbv#	82
56) Ethylbenzene	10.707	91	26768	0.449	ppbv	98
57) m,p-Xylene	10.799	91	40576	0.892	ppbv	98
61) o-Xylene	11.076	91	21211	0.437	ppbv	93
71) 1,3-Dichlorobenzene	12.183	146	18543	0.454	ppbv	99
72) 1,4-Dichlorobenzene	12.214	146	13322	0.398	ppbv#	88
75) 1,2-Dichlorobenzene	12.440	146	16728	0.441	ppbv	97
77) 1,2,4-Trichlorobenzene	13.579	180	6056	0.313	ppbv#	92
82) Vinyl Chloride(sim)	3.797	62	7786	0.460	ppbv	100
87) Carbon Tetrachloride(sim)	7.833	117	16032	0.437	ppbv	94
88) 1,1-Dichloroethene(sim)	5.267	61	12827	0.457	ppbv	99
92) Cis-1,2-Dichloroethene...	6.637	61	9559	0.446	ppbv	99
97) Trichloroethene(sim)	8.390	130	9936	0.452	ppbv	94
103) Tetrachloroethene(sim)	10.123	166	14233	0.460	ppbv	94
106) m,p-Xylene(sim)	10.805	91	45552	0.947	ppbv	100
112) 1,4-Dichlorobenzene(sim)	12.220	146	16789	0.452	ppbv	100
117) 1,2,4-Trichlorobenzene...	13.579	180	6056	0.440	ppbv	92

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

Quantitation Report (RF) (QT Reviewed)

Data Path : H:\AIR2020\CHEM20\08AUG\11\
 Data File : 0811_09.D
 Acq On : 11 Aug 2020 2:41 pm
 Operator :
 Client ID : ICAL 0.5
 Lab ID : 0.50
 ALS Vial : 8 Sample Multiplier: 1

Quant Time: Aug 12 11:42:06 2020
 Quant Method : H:\AIR2020\CHEM20\METHODS\20_AIR_0812.M
 Quant Title : VOA Standards for 5 point calibration
 Last Update : Wed Aug 12 11:38:17 2020
 Response via : Initial Calibration



Quantitation Report (RF) (QT Reviewed)

Data Path : H:\AIR2020\CHEM20\08AUG\11\
 Data File : 0811_10.D
 Acq On : 11 Aug 2020 3:19 pm
 Operator :
 Client ID : ICAL 2.5
 Lab ID : 2.5
 ALS Vial : 9 Sample Multiplier: 1

Quant Time: Aug 12 11:42:09 2020
 Quant Method : H:\AIR2020\CHEM20\METHODS\20_AIR_0812.M
 Quant Title : VOA Standards for 5 point calibration
 QLast Update : Wed Aug 12 11:38:36 2020
 Response via : Initial Calibration

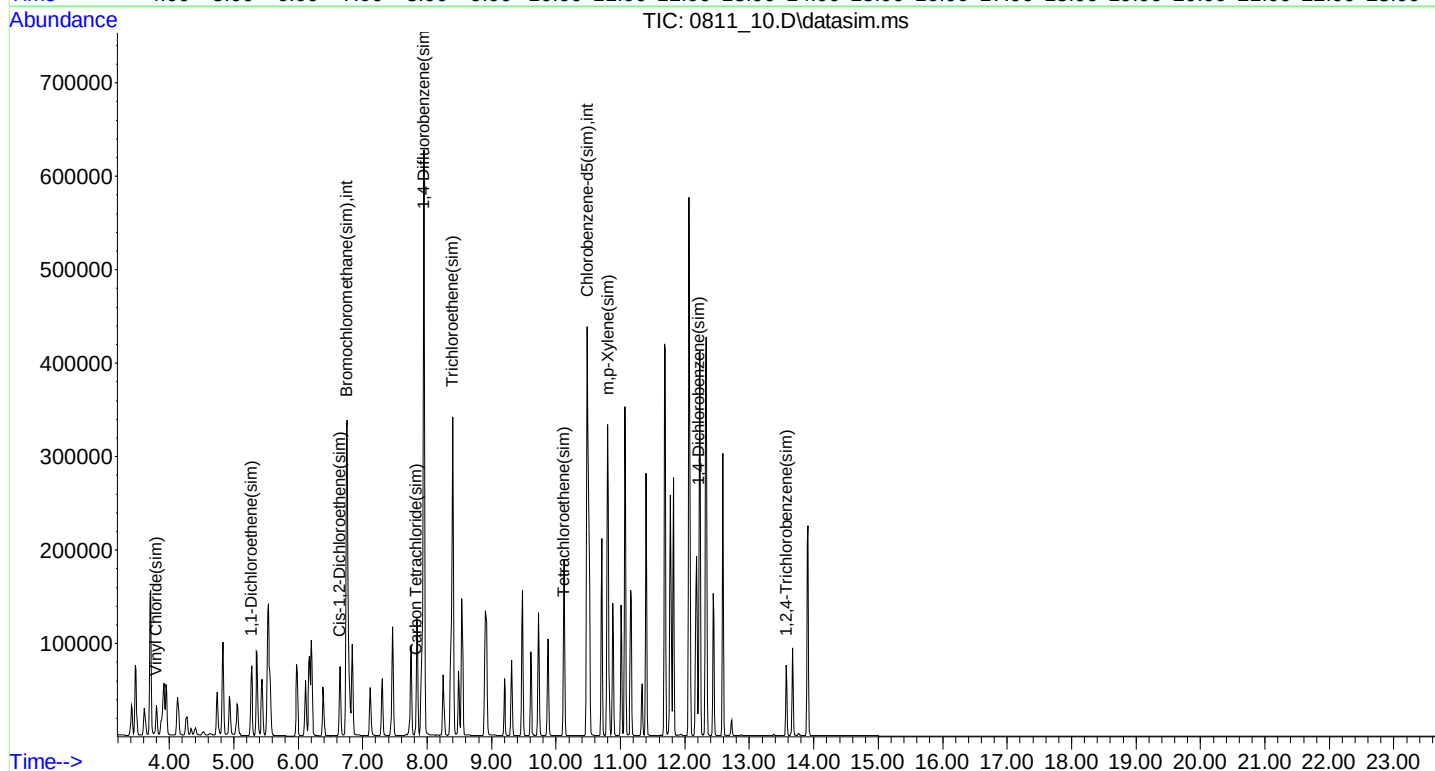
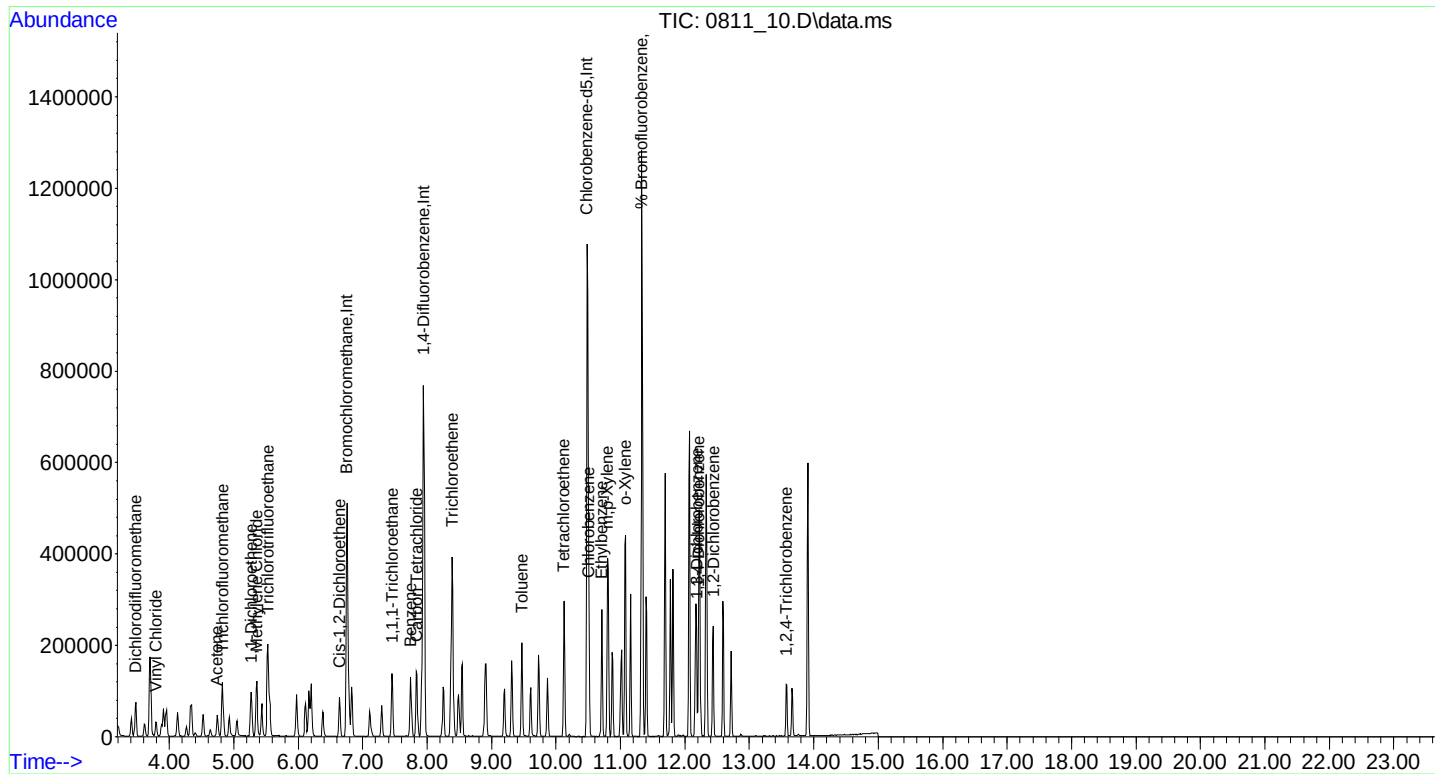
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	6.756	130	148695	10.000	ng	0.01
36) 1,4-Difluorobenzene	7.945	114	546903	10.000	ng	0.00
53) Chlorobenzene-d5	10.482	82	242533	10.000	ng	0.00
80) Bromochloromethane(sim)	6.752	130	160447	10.000	ng	# 0.00
94) 1,4-Difluorobenzene(sim)	7.950	114	613722	10.000	ng	0.00
104) Chlorobenzene-d5(sim)	10.487	82	266080	10.000	ng	0.00
System Monitoring Compounds						
62) % Bromofluorobenzene	11.332	95	308687	10.247	ppbv	0.00
Spiked Amount	10.000	Range	70 - 130	Recovery	=	102.50%
Target Compounds						
					Qvalue	
3) Dichlorodifluoromethane	3.479	85	72615	2.291	ppbv	99
6) Vinyl Chloride	3.792	62	34645	2.466	ppbv	97
12) Acetone	4.740	43	51258	2.413	ppbv	98
13) Trichlorofluoromethane	4.826	101	92572	2.484	ppbv	97
16) 1,1-Dichloroethene	5.270	61	58213	2.476	ppbv	98
17) Methylene Chloride	5.357	49	42178	2.358	ppbv	93
21) Trichlorotrifluoroethane	5.529	101	76637	2.501	ppbv	98
26) Cis-1,2-Dichloroethene	6.642	61	42777	2.364	ppbv	100
32) 1,1,1-Trichloroethane	7.454	97	78696	2.493	ppbv	94
33) Benzene	7.744	78	96603	2.475	ppbv	97
34) Carbon Tetrachloride	7.833	117	83834	2.476	ppbv	93
39) Trichloroethene	8.390	130	52932	2.382	ppbv	97
48) Toluene	9.473	91	116649	2.396	ppbv	97
52) Tetrachloroethene	10.123	166	75497	2.421	ppbv	98
55) Chlorobenzene	10.512	112	107088	2.591	ppbv	84
56) Ethylbenzene	10.707	91	152380	2.584	ppbv	97
57) m,p-Xylene	10.799	91	240772	5.351	ppbv	97
61) o-Xylene	11.076	91	127517	2.656	ppbv	97
71) 1,3-Dichlorobenzene	12.184	146	102865	2.545	ppbv	99
72) 1,4-Dichlorobenzene	12.214	146	77777	2.346	ppbv	97
75) 1,2-Dichlorobenzene	12.440	146	94336	2.513	ppbv	98
77) 1,2,4-Trichlorobenzene	13.579	180	38440	2.011	ppbv	99
82) Vinyl Chloride(sim)	3.797	62	39048	2.355	ppbv	99
87) Carbon Tetrachloride(sim)	7.833	117	83834	2.328	ppbv	93
88) 1,1-Dichloroethene(sim)	5.276	61	64288	2.334	ppbv	99
92) Cis-1,2-Dichloroethene...	6.647	61	49014	2.334	ppbv	100
97) Trichloroethene(sim)	8.390	130	52932	2.438	ppbv	97
103) Tetrachloroethene(sim)	10.123	166	75497	2.467	ppbv	98
106) m,p-Xylene(sim)	10.805	91	266850	4.146	ppbv	99
112) 1,4-Dichlorobenzene(sim)	12.220	146	95574	2.566	ppbv	100
117) 1,2,4-Trichlorobenzene...	13.579	180	38440	1.610	ppbv	99

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

Quantitation Report (RF) (QT Reviewed)

Data Path : H:\AIR2020\CHEM20\08AUG\11\
 Data File : 0811_10.D
 Acq On : 11 Aug 2020 3:19 pm
 Operator :
 Client ID : ICAL 2.5
 Lab ID : 2.5
 ALS Vial : 9 Sample Multiplier: 1

Quant Time: Aug 12 11:42:09 2020
 Quant Method : H:\AIR2020\CHEM20\METHODS\20_AIR_0812.M
 Quant Title : VOA Standards for 5 point calibration
 Last Update : Wed Aug 12 11:38:36 2020
 Response via : Initial Calibration



Quantitation Report (RF) (QT Reviewed)

Data Path : H:\AIR2020\CHEM20\08AUG\11\
 Data File : 0811_11.D
 Acq On : 11 Aug 2020 3:55 pm
 Operator :
 Client ID : ICAL 5
 Lab ID : 5.0
 ALS Vial : 10 Sample Multiplier: 1

Quant Time: Aug 12 11:42:13 2020
 Quant Method : H:\AIR2020\CHEM20\METHODS\20_AIR_0812.M
 Quant Title : VOA Standards for 5 point calibration
 QLast Update : Wed Aug 12 11:38:55 2020
 Response via : Initial Calibration

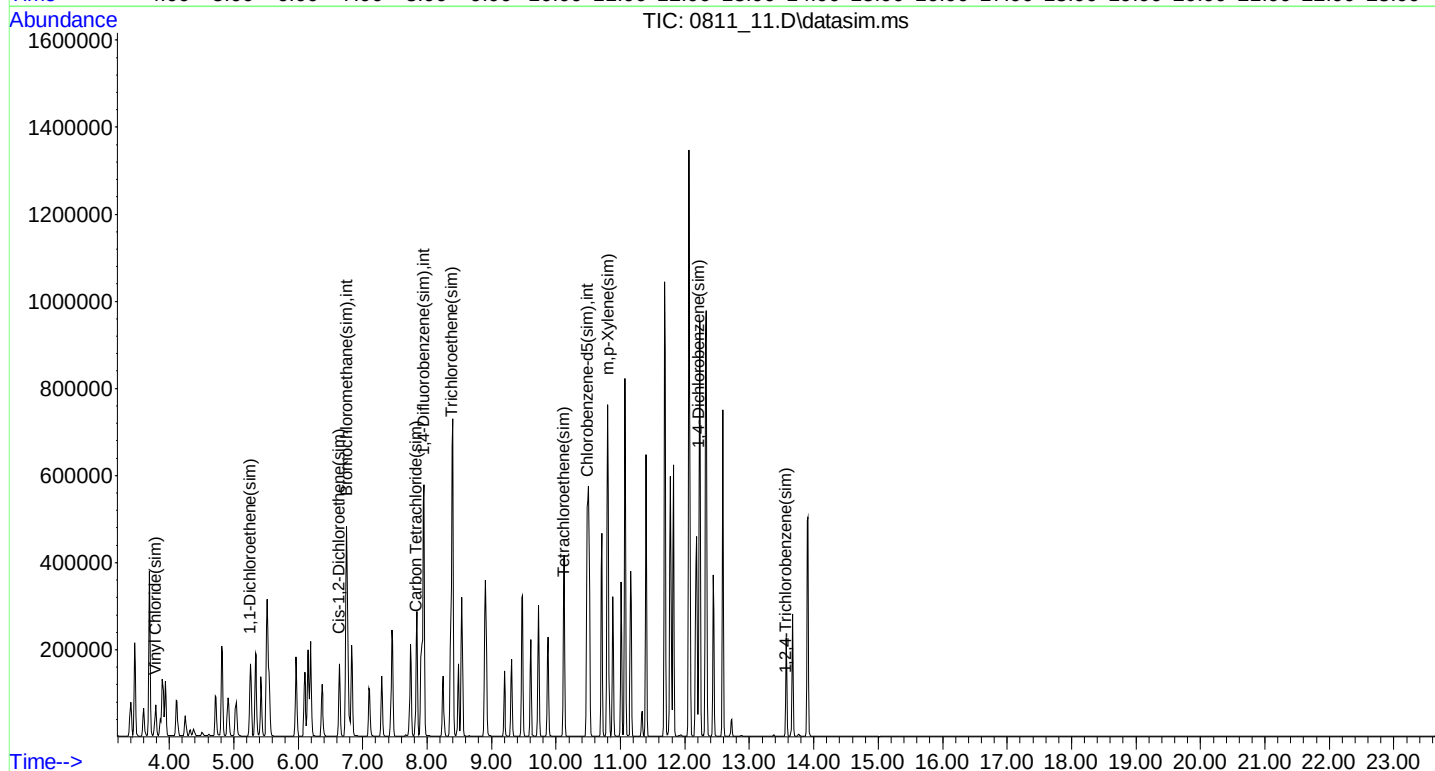
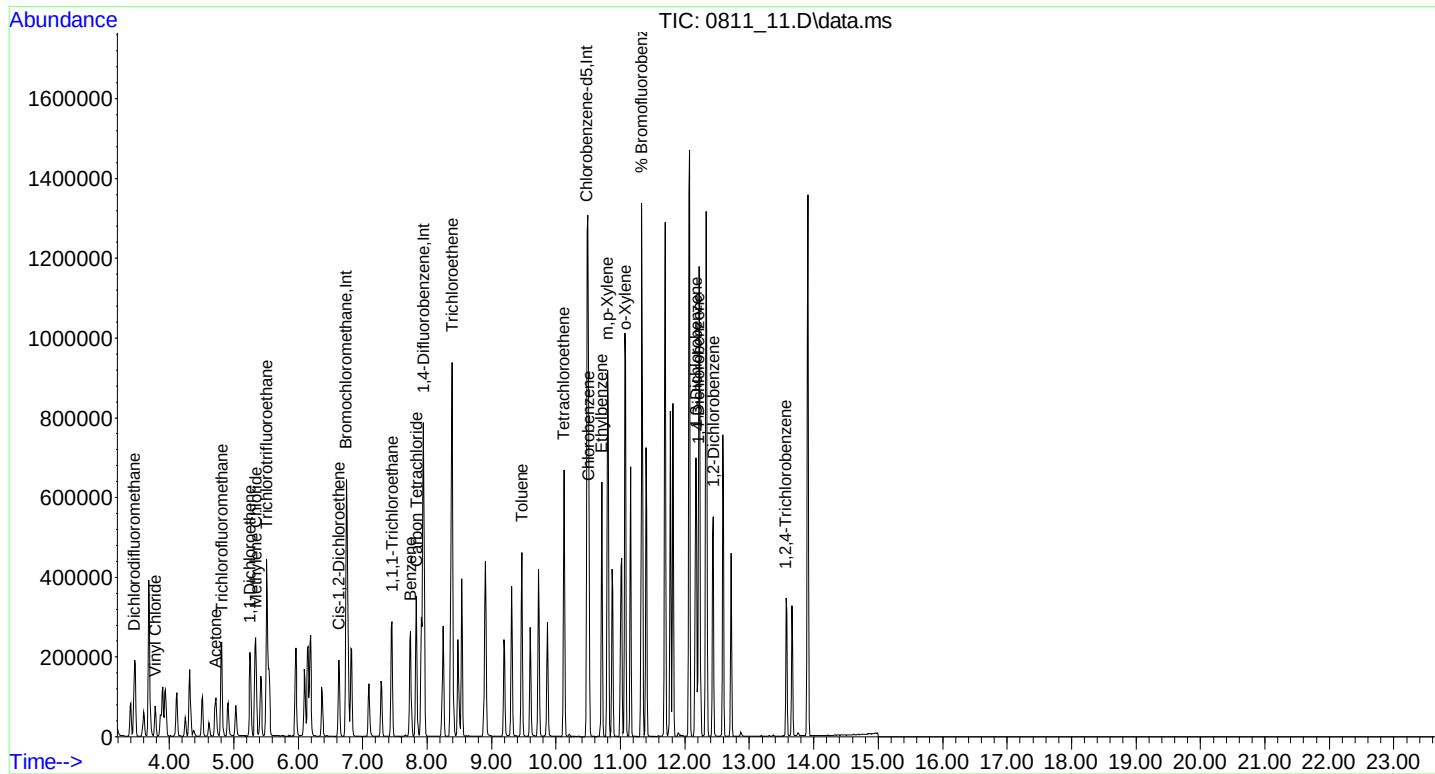
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	6.746	130	153051	10.000	ng	0.00
36) 1,4-Difluorobenzene	7.945	114	566449	10.000	ng	0.00
53) Chlorobenzene-d5	10.482	82	259910	10.000	ng	0.00
80) Bromochloromethane(sim)	6.752	130	165238	10.000	ng	# 0.00
94) 1,4-Difluorobenzene(sim)	7.950	114	631145	10.000	ng	0.00
104) Chlorobenzene-d5(sim)	10.487	82	281970	10.000	ng	0.00
System Monitoring Compounds						
62) % Bromofluorobenzene	11.332	95	326435	10.062	ppbv	0.00
Spiked Amount	10.000	Range	70 - 130	Recovery	=	100.60%
Target Compounds						
					Qvalue	
3) Dichlorodifluoromethane	3.458	85	191542	5.872	ppbv	99
6) Vinyl Chloride	3.781	62	77062	5.329	ppbv	99
12) Acetone	4.719	43	109485	5.007	ppbv	99
13) Trichlorofluoromethane	4.816	101	203364	5.302	ppbv	100
16) 1,1-Dichloroethene	5.253	61	129162	5.337	ppbv	100
17) Methylene Chloride	5.339	49	92740	5.037	ppbv	97
21) Trichlorotrifluoroethane	5.512	101	168172	5.331	ppbv	100
26) Cis-1,2-Dichloroethene	6.631	61	97966	5.260	ppbv	99
32) 1,1,1-Trichloroethane	7.454	97	171608	5.282	ppbv	99
33) Benzene	7.744	78	213802	5.322	ppbv	99
34) Carbon Tetrachloride	7.833	117	186455	5.351	ppbv	99
39) Trichloroethene	8.390	130	119520	5.194	ppbv	99
48) Toluene	9.473	91	270858	5.372	ppbv	99
52) Tetrachloroethene	10.123	166	165568	5.126	ppbv	98
55) Chlorobenzene	10.512	112	235035	5.307	ppbv	99
56) Ethylbenzene	10.707	91	349625	5.532	ppbv	99
57) m,p-Xylene	10.799	91	556817	11.548	ppbv	100
61) o-Xylene	11.076	91	290653	5.650	ppbv	99
71) 1,3-Dichlorobenzene	12.173	146	222316	5.132	ppbv	100
72) 1,4-Dichlorobenzene	12.214	146	207998	5.855	ppbv	99
75) 1,2-Dichlorobenzene	12.440	146	218301	5.427	ppbv	98
77) 1,2,4-Trichlorobenzene	13.569	180	110234	5.381	ppbv	97
82) Vinyl Chloride(sim)	3.786	62	86465	5.063	ppbv	99
87) Carbon Tetrachloride(sim)	7.833	117	186455	5.028	ppbv	99
88) 1,1-Dichloroethene(sim)	5.259	61	142632	5.027	ppbv	99
92) Cis-1,2-Dichloroethene...	6.637	61	110178	5.095	ppbv	100
97) Trichloroethene(sim)	8.390	130	119520	5.352	ppbv	99
103) Tetrachloroethene(sim)	10.123	166	165568	5.261	ppbv	98
106) m,p-Xylene(sim)	10.805	91	612457	9.651	ppbv	100
112) 1,4-Dichlorobenzene(sim)	12.220	146	232062	5.880	ppbv	100
117) 1,2,4-Trichlorobenzene...	13.569	180	110234	5.848	ppbv	97

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

Quantitation Report (RF) (QT Reviewed)

Data Path : H:\AIR2020\CHEM20\08AUG\11\
 Data File : 0811_11.D
 Acq On : 11 Aug 2020 3:55 pm
 Operator :
 Client ID : ICAL 5
 Lab ID : 5.0
 ALS Vial : 10 Sample Multiplier: 1

Quant Time: Aug 12 11:42:13 2020
 Quant Method : H:\AIR2020\CHEM20\METHODS\20_AIR_0812.M
 Quant Title : VOA Standards for 5 point calibration
 Last Update : Wed Aug 12 11:38:55 2020
 Response via : Initial Calibration



Quantitation Report (RF) (QT Reviewed)

Data Path : H:\AIR2020\CHEM20\08AUG\11\
 Data File : 0811_12.D
 Acq On : 11 Aug 2020 4:33 pm
 Operator :
 Client ID : ICAL 25
 Lab ID : 25
 ALS Vial : 11 Sample Multiplier: 1

Quant Time: Aug 12 11:42:16 2020
 Quant Method : H:\AIR2020\CHEM20\METHODS\20_AIR_0812.M
 Quant Title : VOA Standards for 5 point calibration
 Qlast Update : Wed Aug 12 11:39:12 2020
 Response via : Initial Calibration

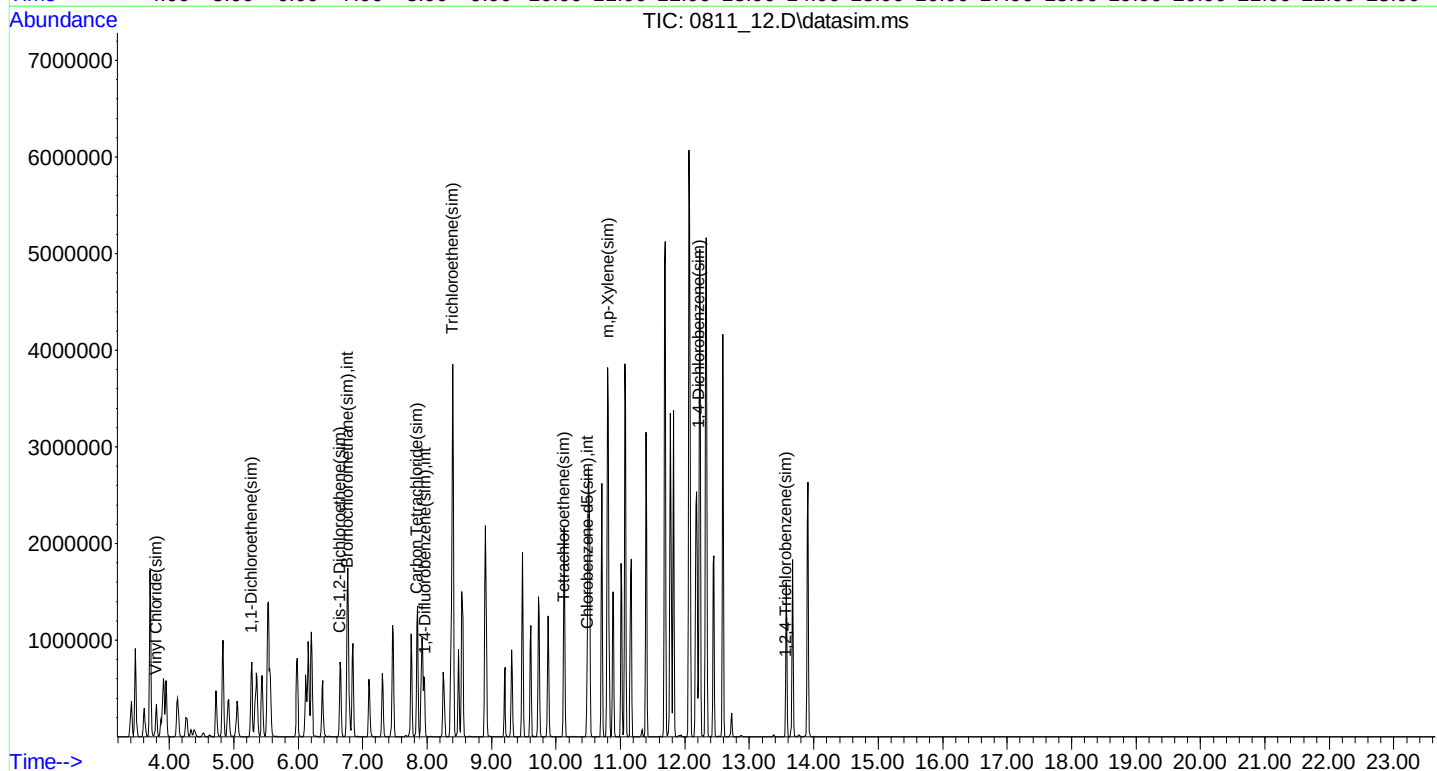
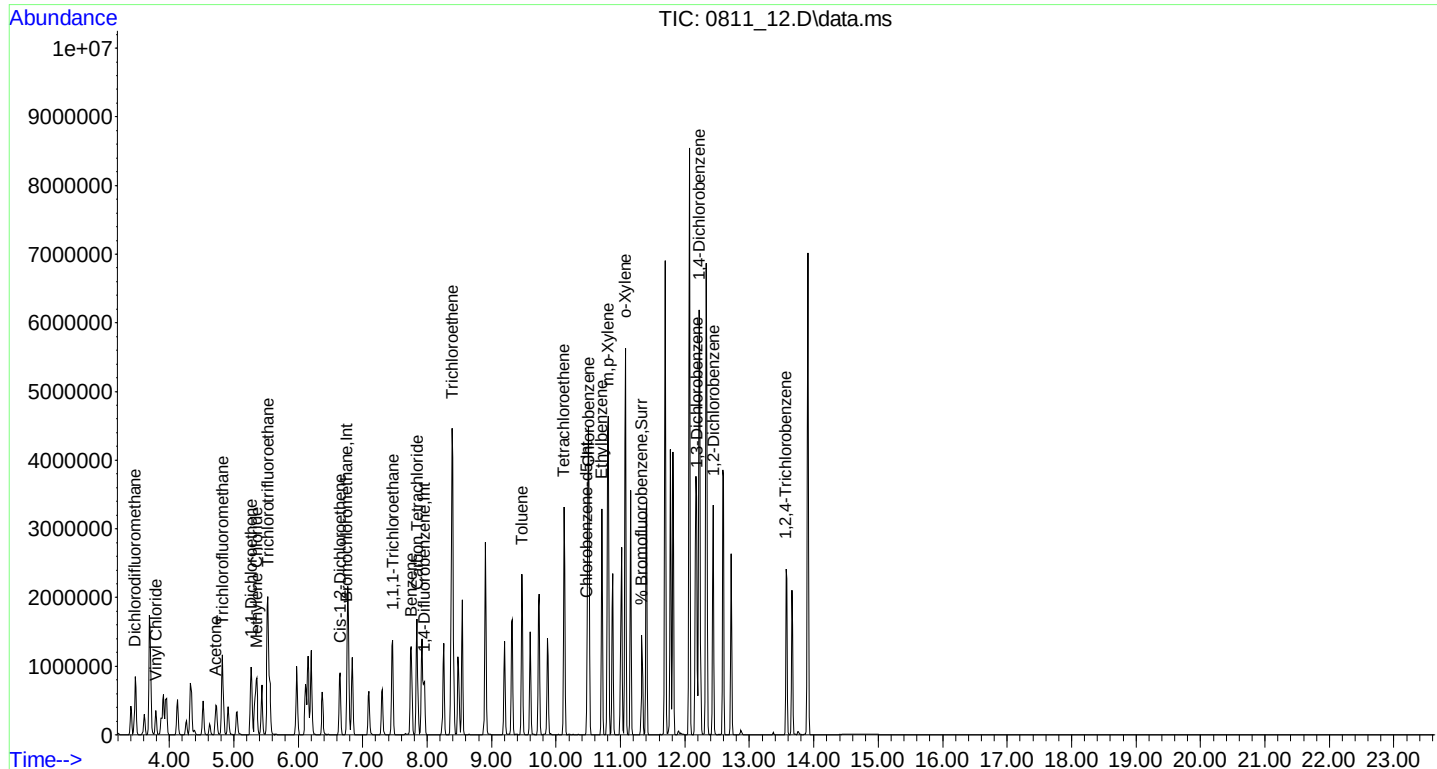
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	6.756	130	162440	10.000	ng	0.01
36) 1,4-Difluorobenzene	7.956	114	574185	10.000	ng	0.01
53) Chlorobenzene-d5	10.481	82	303439	10.000	ng	0.00
80) Bromochloromethane(sim)	6.762	130	174305	10.000	ng	# 0.01
94) 1,4-Difluorobenzene(sim)	7.961	114	648165	10.000	ng	0.01
104) Chlorobenzene-d5(sim)	10.487	82	331210	10.000	ng	0.00
System Monitoring Compounds						
62) % Bromofluorobenzene	11.332	95	359735	9.488	ppbv	0.00
Spiked Amount	10.000	Range	70 - 130	Recovery	=	94.90%
Target Compounds						
					Qvalue	
3) Dichlorodifluoromethane	3.468	85	804101	23.224	ppbv	100
6) Vinyl Chloride	3.792	62	370023	24.110	ppbv	100
12) Acetone	4.719	43	527065	22.711	ppbv	100
13) Trichlorofluoromethane	4.826	101	964092	23.684	ppbv	99
16) 1,1-Dichloroethene	5.270	61	612926	23.861	ppbv	100
17) Methylene Chloride	5.357	49	437039	22.365	ppbv	99
21) Trichlorotrifluoroethane	5.529	101	792717	23.677	ppbv	99
26) Cis-1,2-Dichloroethene	6.652	61	495652	25.073	ppbv	99
32) 1,1,1-Trichloroethane	7.465	97	846986	24.564	ppbv	99
33) Benzene	7.755	78	1071429	25.128	ppbv	100
34) Carbon Tetrachloride	7.844	117	923692	24.976	ppbv	100
39) Trichloroethene	8.390	130	610469	26.171	ppbv	99
48) Toluene	9.473	91	1390456	27.208	ppbv	100
52) Tetrachloroethene	10.123	166	853206	26.059	ppbv	99
55) Chlorobenzene	10.512	112	1215540	23.511	ppbv	99
56) Ethylbenzene	10.707	91	1859351	25.201	ppbv	100
57) m,p-Xylene	10.809	91	2914900	51.781	ppbv	99
61) o-Xylene	11.076	91	1510246	25.146	ppbv	100
71) 1,3-Dichlorobenzene	12.184	146	1327862	26.256	ppbv	99
72) 1,4-Dichlorobenzene	12.225	146	1126232	27.157	ppbv	98
75) 1,2-Dichlorobenzene	12.440	146	1205143	25.663	ppbv	100
77) 1,2,4-Trichlorobenzene	13.569	180	794504	33.223	ppbv	99
82) Vinyl Chloride(sim)	3.797	62	410164	22.766	ppbv	100
87) Carbon Tetrachloride(sim)	7.844	117	923692	23.612	ppbv	100
88) 1,1-Dichloroethene(sim)	5.276	61	681962	22.786	ppbv	100
92) Cis-1,2-Dichloroethene...	6.647	61	554166	24.293	ppbv	100
97) Trichloroethene(sim)	8.390	130	610469	26.619	ppbv	98
103) Tetrachloroethene(sim)	10.123	166	853206	26.400	ppbv	99
106) m,p-Xylene(sim)	10.805	91	3182160	32.151	ppbv	100
112) 1,4-Dichlorobenzene(sim)	12.220	146	1342893	28.970	ppbv	100
117) 1,2,4-Trichlorobenzene...	13.569	180	794908	16.664	ppbv	99

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

Quantitation Report (RF) (QT Reviewed)

Data Path : H:\AIR2020\CHEM20\08AUG\11\
 Data File : 0811_12.D
 Acq On : 11 Aug 2020 4:33 pm
 Operator :
 Client ID : ICAL 25
 Lab ID : 25
 ALS Vial : 11 Sample Multiplier: 1

Quant Time: Aug 12 11:42:16 2020
 Quant Method : H:\AIR2020\CHEM20\METHODS\20_AIR_0812.M
 Quant Title : VOA Standards for 5 point calibration
 Last Update : Wed Aug 12 11:39:12 2020
 Response via : Initial Calibration



Quantitation Report (RF) (QT Reviewed)

Data Path : H:\AIR2020\CHEM20\08AUG\11\
 Data File : 0811_13.D
 Acq On : 11 Aug 2020 5:13 pm
 Operator :
 Client ID : ICAL 40
 Lab ID : 40
 ALS Vial : 12 Sample Multiplier: 1

Quant Time: Aug 12 11:42:19 2020
 Quant Method : H:\AIR2020\CHEM20\METHODS\20_AIR_0812.M
 Quant Title : VOA Standards for 5 point calibration
 QLast Update : Wed Aug 12 11:39:35 2020
 Response via : Initial Calibration

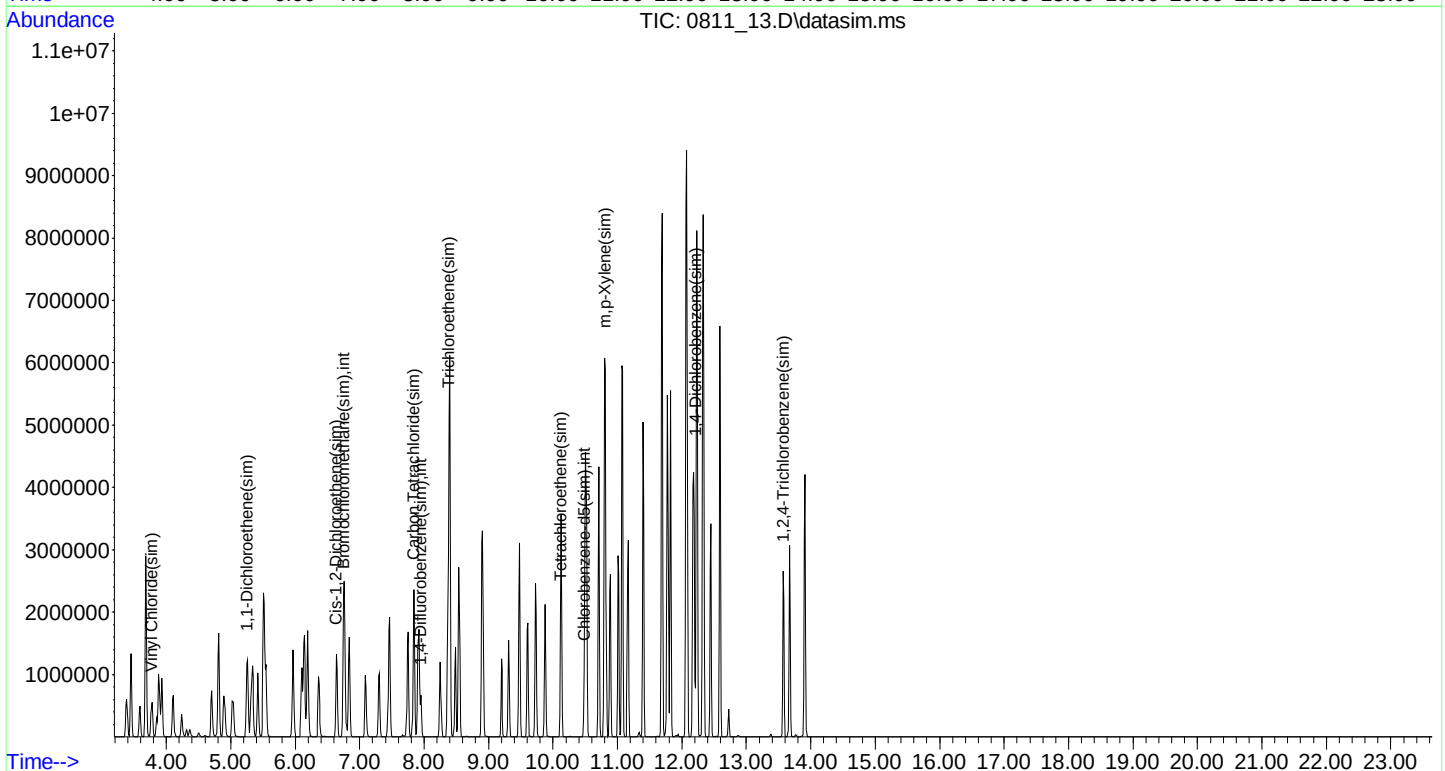
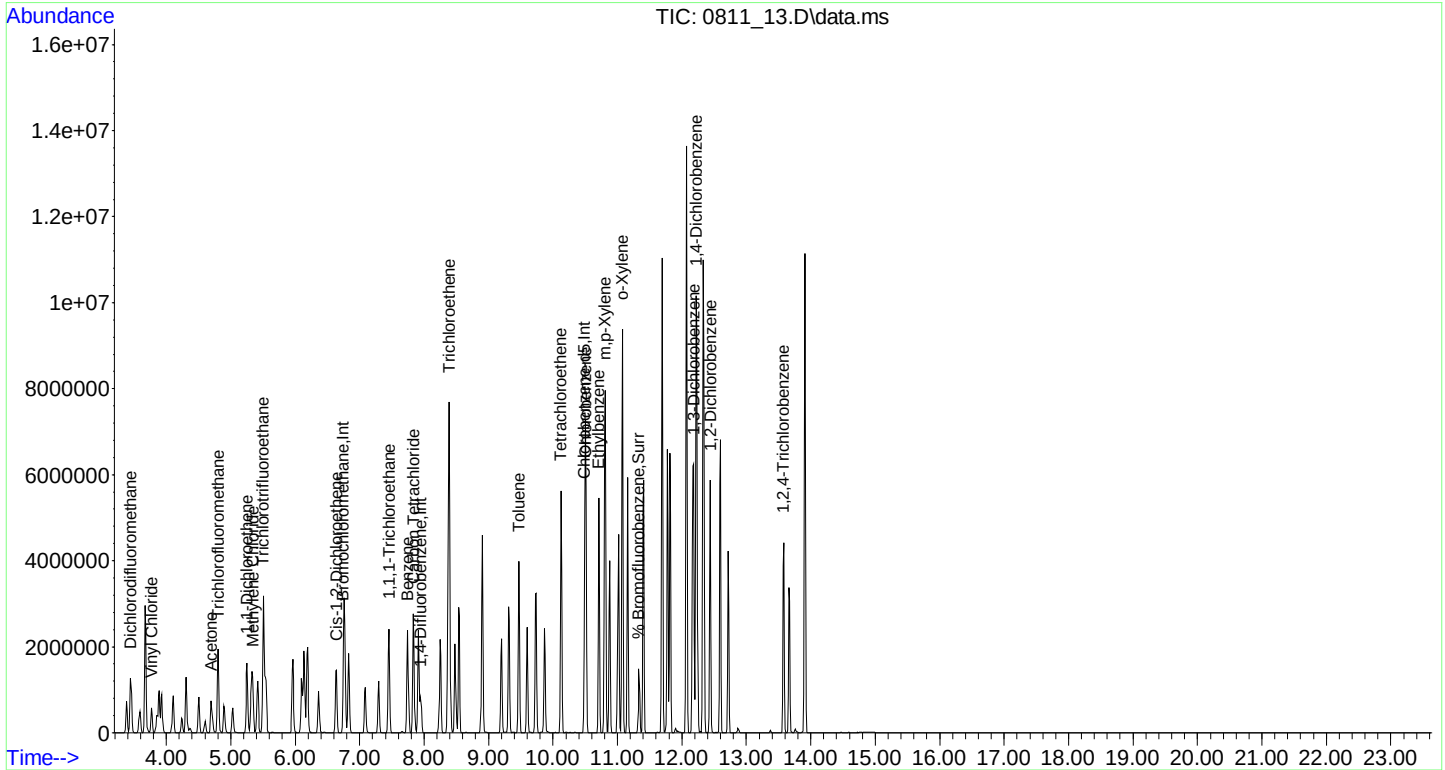
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	6.746	130	169468	10.000	ng	0.00
36) 1,4-Difluorobenzene	7.945	114	587019	10.000	ng	-0.01
53) Chlorobenzene-d5	10.492	82	336519	10.000	ng	0.01
80) Bromochloromethane(sim)	6.752	130	180459	10.000	ng	#-0.01
94) 1,4-Difluorobenzene(sim)	7.950	114	659172	10.000	ng	-0.01
104) Chlorobenzene-d5(sim)	10.487	82	362572	10.000	ng	0.00
System Monitoring Compounds						
62) % Bromofluorobenzene	11.332	95	372545	8.925	ppbv	0.00
Spiked Amount	10.000	Range	70 - 130	Recovery	=	89.30%
Target Compounds						
					Qvalue	
3) Dichlorodifluoromethane	3.447	85	1150354	31.847	ppbv	100
6) Vinyl Chloride	3.770	62	602792	37.648	ppbv	100
12) Acetone	4.697	43	858488	35.458	ppbv	99
13) Trichlorofluoromethane	4.805	101	1572902	37.037	ppbv	100
16) 1,1-Dichloroethene	5.253	61	1009408	37.666	ppbv	100
17) Methylene Chloride	5.339	49	710927	34.872	ppbv	100
21) Trichlorotrifluoroethane	5.503	101	1295914	37.101	ppbv	100
26) Cis-1,2-Dichloroethene	6.642	61	827096	40.105	ppbv	99
32) 1,1,1-Trichloroethane	7.454	97	1404797	39.052	ppbv	99
33) Benzene	7.744	78	1784743	40.122	ppbv	100
34) Carbon Tetrachloride	7.833	117	1532047	39.708	ppbv	100
39) Trichloroethene	8.390	130	997917	41.846	ppbv	100
48) Toluene	9.473	91	2319649	44.397	ppbv	99
52) Tetrachloroethene	10.123	166	1413956	42.241	ppbv	99
55) Chlorobenzene	10.512	112	2052345	35.794	ppbv	99
56) Ethylbenzene	10.707	91	3099815	37.885	ppbv	100
57) m,p-Xylene	10.810	91	4840011	77.527	ppbv	100
61) o-Xylene	11.076	91	2498793	37.516	ppbv	100
71) 1,3-Dichlorobenzene	12.184	146	2195278	39.140	ppbv	100
72) 1,4-Dichlorobenzene	12.225	146	1949623	42.390	ppbv	99
75) 1,2-Dichlorobenzene	12.440	146	2035875	39.091	ppbv	99
77) 1,2,4-Trichlorobenzene	13.579	180	1398539	52.732	ppbv	100
82) Vinyl Chloride(sim)	3.776	62	671687	36.011	ppbv	100
87) Carbon Tetrachloride(sim)	7.833	117	1532190	37.830	ppbv	100
88) 1,1-Dichloroethene(sim)	5.259	61	1128263	36.412	ppbv	99
92) Cis-1,2-Dichloroethene...	6.637	61	925564	39.191	ppbv	100
97) Trichloroethene(sim)	8.390	130	998111	42.795	ppbv	99
103) Tetrachloroethene(sim)	10.123	166	1413956	43.019	ppbv	99
106) m,p-Xylene(sim)	10.805	91	5219394	42.675	ppbv	100
112) 1,4-Dichlorobenzene(sim)	12.220	146	2066028	40.715	ppbv	97
117) 1,2,4-Trichlorobenzene...	13.579	180	1398721	22.062	ppbv	100

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

Quantitation Report (RF) (QT Reviewed)

Data Path : H:\AIR2020\CHEM20\08AUG\11\
 Data File : 0811_13.D
 Acq On : 11 Aug 2020 5:13 pm
 Operator :
 Client ID : ICAL 40
 Lab ID : 40
 ALS Vial : 12 Sample Multiplier: 1

Quant Time: Aug 12 11:42:19 2020
 Quant Method : H:\AIR2020\CHEM20\METHODS\20_AIR_0812.M
 Quant Title : VOA Standards for 5 point calibration
 Last Update : Wed Aug 12 11:39:35 2020
 Response via : Initial Calibration



Quantitation Report (RF) (QT Reviewed)

Data Path : H:\AIR2020\CHEM20\08AUG\11\
 Data File : 0811_15.D
 Acq On : 11 Aug 2020 6:24 pm
 Operator :
 Client ID : ICAL 1
 Lab ID : 1
 ALS Vial : 14 Sample Multiplier: 1

Quant Time: Aug 12 11:46:07 2020
 Quant Title :
 QLast Update : Wed Aug 12 11:43:18 2020
 Response via : Initial Calibration

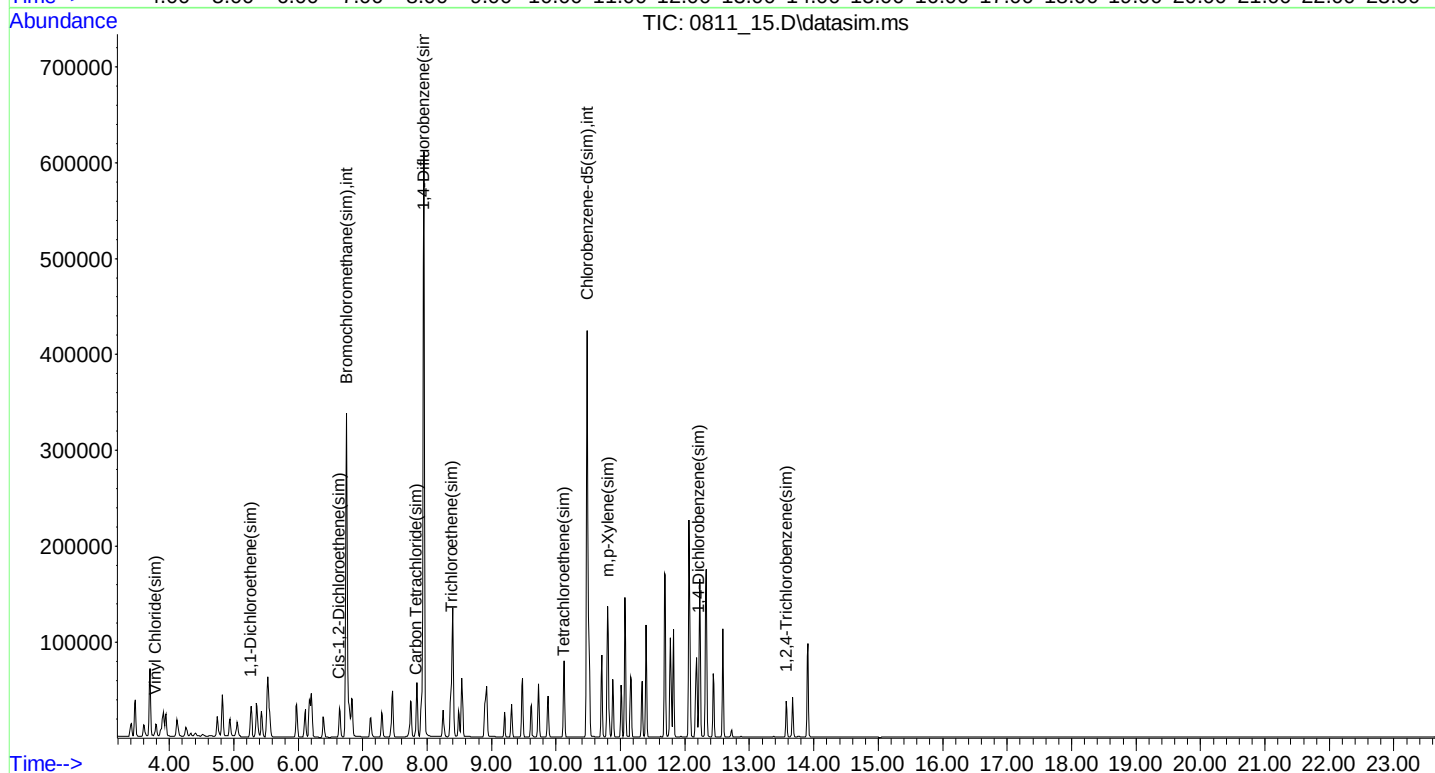
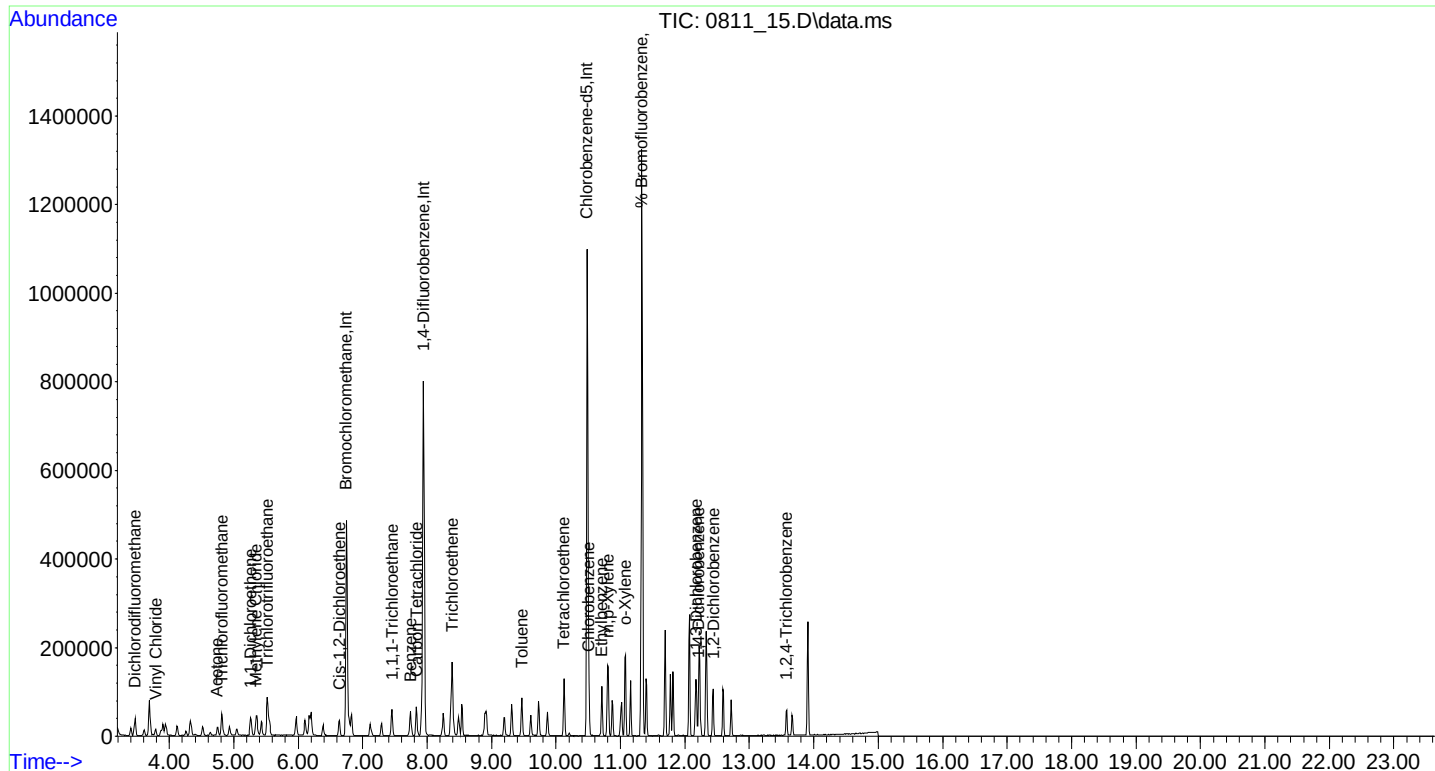
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	6.746	130	154521	10.000	ng	0.00
36) 1,4-Difluorobenzene	7.945	114	563446	10.000	ng	0.00
53) Chlorobenzene-d5	10.481	82	254075	10.000	ng	-0.01
80) Bromochloromethane(sim)	6.752	130	165571	10.000	ng	# 0.00
94) 1,4-Difluorobenzene(sim)	7.950	114	637447	10.000	ng	0.00
104) Chlorobenzene-d5(sim)	10.487	82	274746	10.000	ng	# 0.00
System Monitoring Compounds						
62) % Bromofluorobenzene	11.332	95	317723	10.219	ppbv	0.00
Spiked Amount	10.000	Range	70 - 130	Recovery	=	102.20%
Target Compounds						
						Qvalue
3) Dichlorodifluoromethane	3.468	85	36343	1.103	ppbv	99
6) Vinyl Chloride	3.792	62	14934	1.023	ppbv	97
12) Acetone	4.740	43	23780m	1.077	ppbv	40
13) Trichlorofluoromethane	4.815	101	39652	1.024	ppbv	99
16) 1,1-Dichloroethene	5.262	61	24925	1.020	ppbv	99
17) Methylene Chloride	5.348	49	19400	1.044	ppbv	97
21) Trichlorotrifluoroethane	5.520	101	32202	1.011	ppbv	99
26) Cis-1,2-Dichloroethene	6.642	61	18764	0.998	ppbv	99
32) 1,1,1-Trichloroethane	7.454	97	34028	1.037	ppbv	100
33) Benzene	7.744	78	40901	1.008	ppbv	100
34) Carbon Tetrachloride	7.833	117	34702	0.986	ppbv	100
39) Trichloroethene	8.390	130	22577	0.986	ppbv	99
48) Toluene	9.473	91	49181	0.981	ppbv	100
52) Tetrachloroethene	10.123	166	31606	0.984	ppbv	99
55) Chlorobenzene	10.512	112	44311	1.024	ppbv	89
56) Ethylbenzene	10.707	91	62778	1.016	ppbv	99
57) m,p-Xylene	10.809	91	100849	2.140	ppbv	98
61) o-Xylene	11.076	91	51243	1.019	ppbv	99
71) 1,3-Dichlorobenzene	12.173	146	45152	1.066	ppbv	99
72) 1,4-Dichlorobenzene	12.214	146	33115	0.954	ppbv	98
75) 1,2-Dichlorobenzene	12.440	146	40564	1.032	ppbv	98
77) 1,2,4-Trichlorobenzene	13.579	180	19105	0.954	ppbv	98
82) Vinyl Chloride(sim)	3.786	62	16861	0.985	ppbv	100
87) Carbon Tetrachloride(sim)	7.833	117	34702	0.934	ppbv	100
88) 1,1-Dichloroethene(sim)	5.267	61	27835	0.979	ppbv	100
92) Cis-1,2-Dichloroethene...	6.637	61	21461	0.990	ppbv	99
97) Trichloroethene(sim)	8.390	130	22577	1.001	ppbv	99
103) Tetrachloroethene(sim)	10.123	166	31606	0.994	ppbv	99
106) m,p-Xylene(sim)	10.805	91	110138	2.121	ppbv	100
112) 1,4-Dichlorobenzene(sim)	12.220	146	41341	1.075	ppbv	97
117) 1,2,4-Trichlorobenzene...	13.579	180	19105	1.243	ppbv	98

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

Quantitation Report (RF) (QT Reviewed)

Data Path : H:\AIR2020\CHEM20\08AUG\11\
 Data File : 0811_15.D
 Acq On : 11 Aug 2020 6:24 pm
 Operator :
 Client ID : ICAL 1
 Lab ID : 1
 ALS Vial : 14 Sample Multiplier: 1

Quant Time: Aug 12 11:46:07 2020
 Quant Title :
 Last Update : Wed Aug 12 11:43:18 2020
 Response via : Initial Calibration



Quantitation Report (RF) (QT Reviewed)

Data Path : H:\AIR2020\CHEM20\08AUG\11\
 Data File : 0811_16.D
 Acq On : 11 Aug 2020 7:01 pm
 Operator :
 Client ID : ICAL 10
 Lab ID : 10
 ALS Vial : 16 Sample Multiplier: 1

Quant Time: Aug 12 11:44:17 2020
 Quant Method : H:\AIR2020\CHEM20\METHODS\20_AIR_0812.M
 Quant Title : VOA Standards for 5 point calibration
 QLast Update : Wed Aug 12 11:43:24 2020
 Response via : Initial Calibration

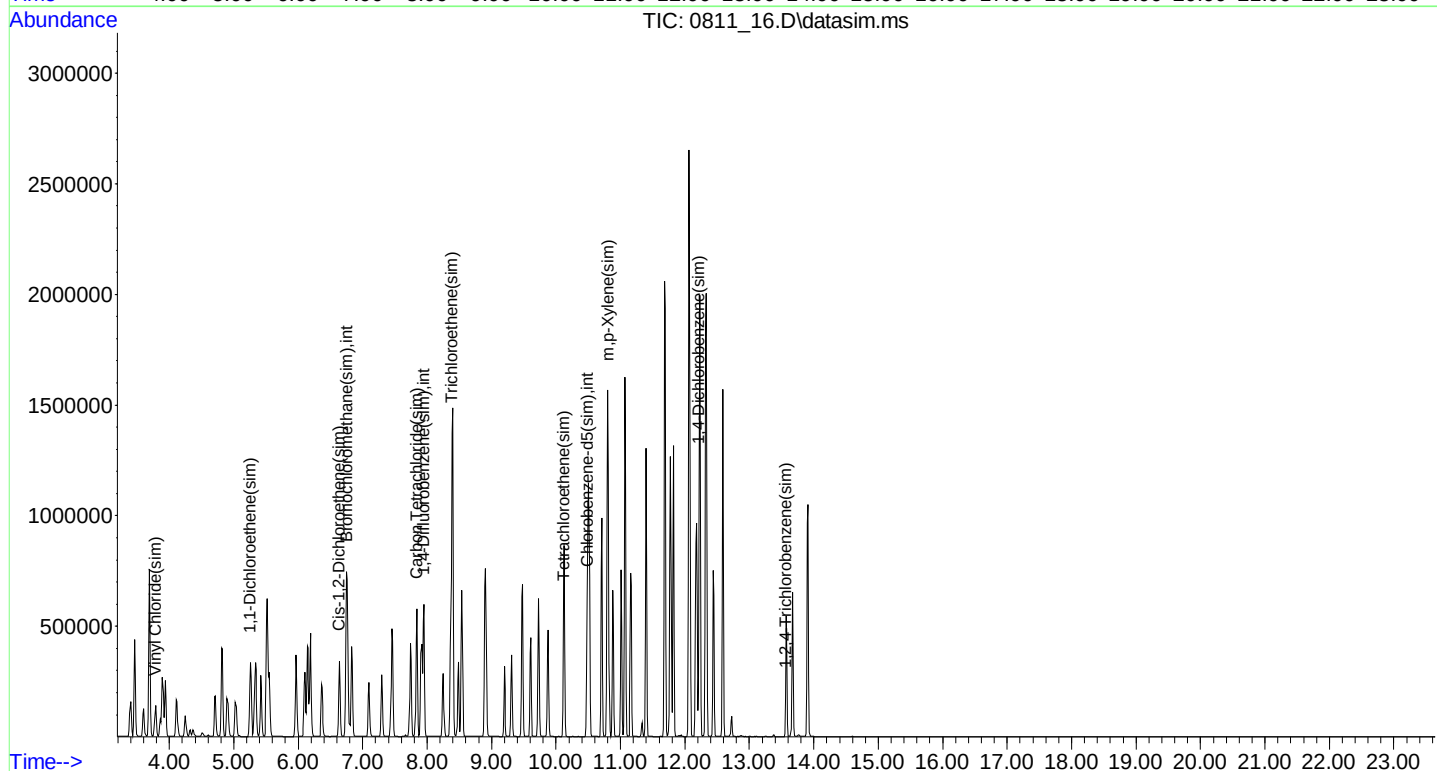
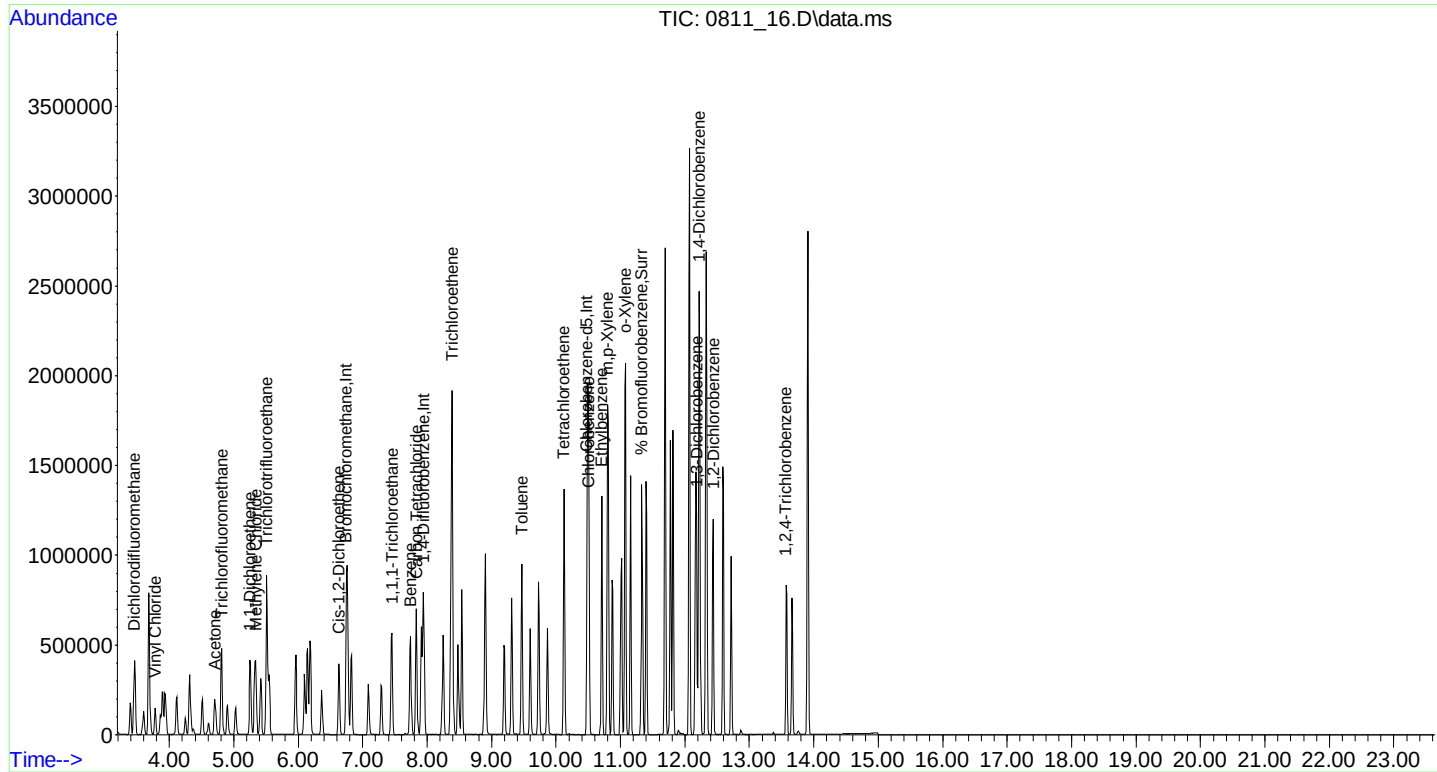
Compound	R.T	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	6.746	130	156271	10.000	ng	0.00
36) 1,4-Difluorobenzene	7.945	114	559581	10.000	ng	0.00
53) Chlorobenzene-d5	10.481	82	270639	10.000	ng	-0.01
80) Bromochloromethane(sim)	6.752	130	166804	10.000	ng	# 0.00
94) 1,4-Difluorobenzene(sim)	7.950	114	631548	10.000	ng	0.00
104) Chlorobenzene-d5(sim)	10.487	82	294891	10.000	ng	0.00
System Monitoring Compounds						
62) % Bromofluorobenzene	11.332	95	336416	10.158	ppbv	0.00
Spiked Amount	10.000	Range	70 - 130	Recovery	=	101.60%
Target Compounds						
					Qvalue	
3) Dichlorodifluoromethane	3.457	85	380966	11.438	ppbv	100
6) Vinyl Chloride	3.781	62	155734	10.548	ppbv	100
12) Acetone	4.708	43	220260	9.866	ppbv	100
13) Trichlorofluoromethane	4.815	101	403867	10.313	ppbv	100
16) 1,1-Dichloroethene	5.253	61	257454	10.418	ppbv	99
17) Methylene Chloride	5.339	49	186978	9.946	ppbv	98
21) Trichlorotrifluoroethane	5.512	101	331137	10.281	ppbv	99
26) Cis-1,2-Dichloroethene	6.631	61	202972	10.673	ppbv	98
32) 1,1,1-Trichloroethane	7.454	97	342626	10.329	ppbv	98
33) Benzene	7.744	78	436225	10.635	ppbv	99
34) Carbon Tetrachloride	7.833	117	375346	10.550	ppbv	100
39) Trichloroethene	8.390	130	239787	10.548	ppbv	98
48) Toluene	9.473	91	549484	11.033	ppbv	100
52) Tetrachloroethene	10.123	166	333739	10.459	ppbv	99
55) Chlorobenzene	10.512	112	479575	10.400	ppbv	99
56) Ethylbenzene	10.707	91	728433	11.070	ppbv	100
57) m,p-Xylene	10.799	91	1150707	22.919	ppbv	99
61) o-Xylene	11.076	91	591850	11.049	ppbv	99
71) 1,3-Dichlorobenzene	12.184	146	510910	11.326	ppbv	99
72) 1,4-Dichlorobenzene	12.225	146	412425	11.150	ppbv	99
75) 1,2-Dichlorobenzene	12.440	146	458438	10.945	ppbv	99
77) 1,2,4-Trichlorobenzene	13.569	180	270378	12.676	ppbv	99
82) Vinyl Chloride(sim)	3.786	62	172173	9.986	ppbv	100
87) Carbon Tetrachloride(sim)	7.833	117	375346	10.026	ppbv	100
88) 1,1-Dichloroethene(sim)	5.259	61	285503	9.968	ppbv	100
92) Cis-1,2-Dichloroethene...	6.637	61	226250	10.364	ppbv	99
97) Trichloroethene(sim)	8.390	130	239782	10.731	ppbv	98
103) Tetrachloroethene(sim)	10.123	166	333739	10.598	ppbv	99
106) m,p-Xylene(sim)	10.805	91	1259435	17.433	ppbv	100
112) 1,4-Dichlorobenzene(sim)	12.220	146	499346	12.099	ppbv	97
117) 1,2,4-Trichlorobenzene...	13.569	180	270378	9.097	ppbv	99

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

Quantitation Report (RF) (QT Reviewed)

Data Path : H:\AIR2020\CHEM20\08AUG\11\
 Data File : 0811_16.D
 Acq On : 11 Aug 2020 7:01 pm
 Operator :
 Client ID : ICAL 10
 Lab ID : 10
 ALS Vial : 16 Sample Multiplier: 1

Quant Time: Aug 12 11:44:17 2020
 Quant Method : H:\AIR2020\CHEM20\METHODS\20_AIR_0812.M
 Quant Title : VOA Standards for 5 point calibration
 Last Update : Wed Aug 12 11:43:24 2020
 Response via : Initial Calibration



7A
AIR CONTINUING CALIBRATION CHECK

Lab Name: Phoenix Environmental Labs Client: WALDENE-IPARK

Lab Code: Phoenix Case No.: SAS No.: SDG No.: GCG52615

Instrument: CHEM20 Calibration Date: 08/12/20 Time: 14:52

Lab File Id: 0812_02.D Init. Calib. Date(s): 08/11/20 08/11/20

Heated Purge (Y/N): Y Init. Calib. Times: 11:37 19:01

GC Column: RTX-1 60M Method File: 20_AIR_0812_WALDEN.M

COMPOUND	RRF	RRF1	RRF MIN	%D	% D LIMITS
Dichlorodifluoromethane	2.131	2.305		-8.2	30
Vinyl Chloride	0.945	1.032		-9.2	30
Acetone	1.429	1.516		-6.1	30
Trichlorofluoromethane	2.506	2.576		-2.8	30
1,1-Dichloroethene	1.581	1.640		-3.7	30
Methylene Chloride	1.203	1.291		-7.3	30
Trichlorotrifluoroethane	2.061	2.184		-6.0	30
Cis-1,2-Dichloroethene	1.217	1.225		-0.7	30
1,1,1-Trichloroethane	2.123	2.215		-4.3	30
Benzene	2.625	2.719		-3.6	30
Carbon Tetrachloride	2.277	2.298		-0.9	30
Trichloroethene	0.406	0.392		3.4	30
Toluene	0.890	0.860		3.4	30
Tetrachloroethene	0.570	0.554		2.8	30
Chlorobenzene	1.704	1.744		-2.3	30
Ethylbenzene	2.431	2.387		1.8	30
m,p-Xylene	1.855	1.526		17.7	30
o-Xylene	1.979	1.987		-0.4	30
1,3-Dichlorobenzene	1.667	1.625		2.5	30
1,4-Dichlorobenzene	1.367	1.287		5.9	30
1,2-Dichlorobenzene	1.548	1.506		2.7	30
1,2,4-Trichlorobenzene	0.788	0.582		26.1	30
Vinyl Chloride(sim)	1.034	0.946		8.5	30
Carbon Tetrachloride(sim)	2.244	2.107		6.1	30
1,1-Dichloroethene(sim)	1.717	1.674		2.5	30
Cis-1,2-Dichloroethene(sim)	1.309	1.273		2.8	30
Trichloroethene(sim)	0.354	0.427		-20.6	30
Tetrachloroethene(sim)	0.499	0.620		-24.2	30
m,p-Xylene(sim) qfi	2.000	2.24		-12.0	20
1,4-Dichlorobenzene(sim)	1.400	1.514		-8.1	30
% Bromofluorobenzene	1.224	1.256		-2.6	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:\AIR2020\CHEM20\08AUG\12\
 Data File : 0812_02.D
 Acq On : 12 Aug 2020 2:52 pm
 Operator :
 Client ID : BFB TUNE - CCAL 1
 Lab ID : 1.0ppb cc - 1.0ppb cc
 ALS Vial : 6 Sample Multiplier: 1

Quant Time: Oct 02 13:08:03 2020
 Quant Method : H:\AIR2020\CHEM20\METHODS\20_AIR_0812_WALDEN.M
 Quant Title : VOA Standards for 5 point calibration
 Qlast Update : Fri Oct 02 13:04:18 2020
 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	93
2	Dichlorodifluoromethane	2.131	2.305	-8.2	
3	Vinyl Chloride	0.945	1.032	-9.2	
4	Acetone	1.429	1.516	-6.1	
5	Trichlorofluoromethane	2.506	2.576	-2.8	
6	1,1-Dichloroethene	1.581	1.640	-3.7	
7	Methylene Chloride	1.203	1.291	-7.3	
8	Trichlorotrifluoroethane	2.061	2.184	-6.0	
10	Cis-1,2-Dichloroethene	1.217	1.225	-0.7	
12	1,1,1-Trichloroethane	2.123	2.215	-4.3	
13	Benzene	2.625	2.719	-3.6	
14	Carbon Tetrachloride	2.277	2.298	-0.9	
15 Int	1,4-Difluorobenzene	1.000	1.000	0.0	95
17	Trichloroethene	0.406	0.392	3.4	
18	Toluene	0.890	0.860	3.4	
19	Tetrachloroethene	0.570	0.554	2.8	
20 Int	Chlorobenzene-d5	1.000	1.000	0.0	93
21	Chlorobenzene	1.704	1.744	-2.3	
22	Ethylbenzene	2.431	2.387	1.8	
23	m,p-Xylene	1.855	1.526	17.7	
24	o-Xylene	1.979	1.987	-0.4	
25 Surr	% Bromofluorobenzene	1.224	1.256	-2.6	
26	1,3-Dichlorobenzene	1.667	1.625	2.5	
27	1,4-Dichlorobenzene	1.367	1.287	5.9	
28	1,2-Dichlorobenzene	1.548	1.506	2.7	
29	1,2,4-Trichlorobenzene	0.788	0.582	26.1	
30 int	Bromochloromethane(sim)	1.000	1.000	0.0	95
31	Vinyl Chloride(sim)	1.034	0.946	8.5	
35	Carbon Tetrachloride(sim)	2.244	2.107	6.1	
36	1,1-Dichloroethene(sim)	1.717	1.674	2.5	
40	Cis-1,2-Dichloroethene(sim)	1.309	1.273	2.8	
41 int	1,4-Difluorobenzene(sim)	1.000	1.000	0.0	84
44	Trichloroethene(sim)	0.354	0.427	-20.6	
46	Tetrachloroethene(sim)	0.499	0.620	-24.2	
47 int	Chlorobenzene-d5(sim)	1.000	1.000	0.0	86
48 qf	m,p-Xylene(sim)	2.000	2.245	-12.2	
50	1,4-Dichlorobenzene(sim)	1.400	1.514	-8.1	

(#)=Out of Range l=linear, lf=liner(0,0), q=quadratic, qf=quadratic(0,0)
 Laboratory Warning Limits Out = 0

Data Path : H:\AIR2020\CHEM20\08AUG\12\
 Data File : 0812_02.D
 Acq On : 12 Aug 2020 2:52 pm
 Operator :
 Client ID : BFB TUNE - CCAL 1
 Lab ID : 1.0ppb cc - 1.0ppb cc
 ALS Vial : 6 Sample Multiplier: 1

Quant Time: Oct 02 13:08:03 2020
 Quant Method : H:\AIR2020\CHEM20\METHODS\20_AIR_0812_WALDEN.M
 Quant Title : VOA Standards for 5 point calibration
 Qlast Update : Fri Oct 02 13:04:18 2020
 Response via : Initial Calibration

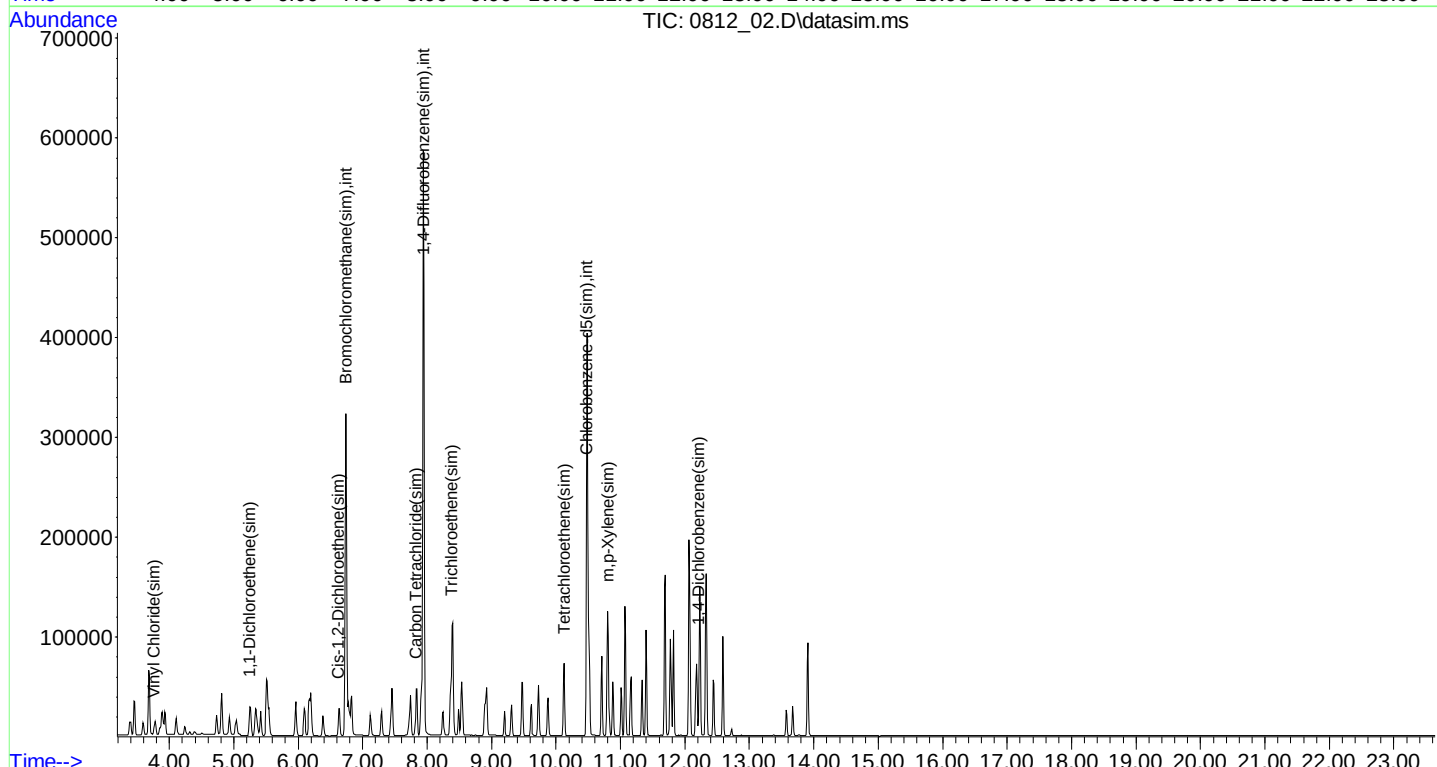
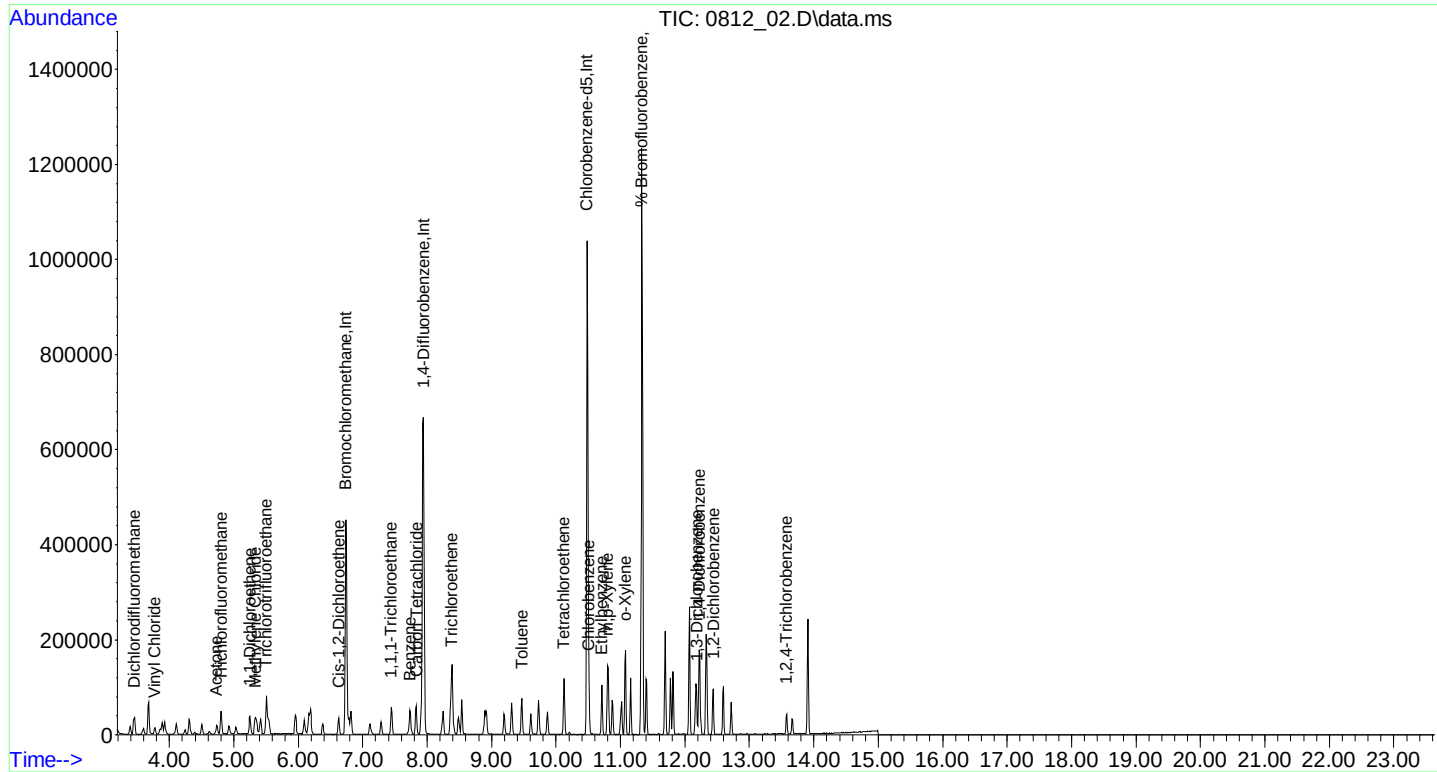
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	6.735	130	144189	10.000	ng	-0.01
15) 1,4-Difluorobenzene	7.944	114	533849	10.000	ng	0.00
20) Chlorobenzene-d5	10.481	82	237054	10.000	ng	-0.01
30) Bromochloromethane(sim)	6.741	130	157289	10.000	ng	#-0.01
41) 1,4-Difluorobenzene(sim)	7.944	114	533658	10.000	ng	0.00
47) Chlorobenzene-d5(sim)	10.481	82	237054	10.000	ng	# 0.00
System Monitoring Compounds						
25) % Bromofluorobenzene	11.332	95	297837	10.267	ppbv	0.00
Spiked Amount	10.000	Range	70 - 130	Recovery	=	102.70%
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	3.457	85	33234	1.081	ppbv	99
3) Vinyl Chloride	3.770	62	14885	1.093	ppbv	99
4) Acetone	4.729	43	21853	1.061	ppbv	99
5) Trichlorofluoromethane	4.805	101	37141	1.028	ppbv	98
6) 1,1-Dichloroethene	5.253	61	23649	1.037	ppbv	99
7) Methylene Chloride	5.330	49	18618	1.073	ppbv	98
8) Trichlorotrifluoroethane	5.503	101	31493	1.060	ppbv	100
10) Cis-1,2-Dichloroethene	6.631	61	17663	1.007	ppbv	98
12) 1,1,1-Trichloroethane	7.444	97	31943	1.044	ppbv	98
13) Benzene	7.733	78	39200	1.036	ppbv	99
14) Carbon Tetrachloride	7.833	117	33137	1.009	ppbv	98
17) Trichloroethene	8.379	130	20951	0.966	ppbv	97
18) Toluene	9.473	91	45911	0.966	ppbv	97
19) Tetrachloroethene	10.123	166	29561	0.971	ppbv	98
21) Chlorobenzene	10.512	112	41351	1.024	ppbv	92
22) Ethylbenzene	10.707	91	56582	0.982	ppbv	99
23) m,p-Xylene	10.799	91	90426	2.056	ppbv	99
24) o-Xylene	11.076	91	47095	1.004	ppbv	100
26) 1,3-Dichlorobenzene	12.183	146	38514	0.975	ppbv	99
27) 1,4-Dichlorobenzene	12.224	146	30514	0.942	ppbv	96
28) 1,2-Dichlorobenzene	12.440	146	35698	0.973	ppbv	98
29) 1,2,4-Trichlorobenzene	13.579	180	13795	0.738	ppbv	99
31) Vinyl Chloride(sim)	3.770	62	14885	0.916	ppbv	98
35) Carbon Tetrachloride(sim)	7.833	117	33137	0.939	ppbv	98
36) 1,1-Dichloroethene(sim)	5.250	61	26335	0.975	ppbv	99
40) Cis-1,2-Dichloroethene...	6.626	61	20021	0.973	ppbv	99
44) Trichloroethene(sim)	8.384	130	22795	1.207	ppbv	99
46) Tetrachloroethene(sim)	10.129	166	33110	1.244	ppbv	98
48) m,p-Xylene(sim)	10.805	91	100801	2.245	ppbv	99
50) 1,4-Dichlorobenzene(sim)	12.220	146	35901	1.082	ppbv	97

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

Quantitation Report (QT Reviewed)

Data Path : H:\AIR2020\CHEM20\08AUG\12\
 Data File : 0812_02.D
 Acq On : 12 Aug 2020 2:52 pm
 Operator :
 Client ID : BFB TUNE - CCAL 1
 Lab ID : 1.0ppb cc - 1.0ppb cc
 ALS Vial : 6 Sample Multiplier: 1

Quant Time: Oct 02 13:08:03 2020
 Quant Method : H:\AIR2020\CHEM20\METHODS\20_AIR_0812_WALDEN.M
 Quant Title : VOA Standards for 5 point calibration
 Last Update : Fri Oct 02 13:04:18 2020
 Response via : Initial Calibration



Client:	<u>WALDENE-IPARK</u>	Lab:	<u>Phoenix Env. Labs</u>
SDG No.:	<u>GCG52615</u>	Lab Sample ID:	<u>CG52615 LCS</u>
Canister:	<u>LCS</u>	Lab File ID:	<u>0812_04.D</u>
Instrument:	<u>CHEM20</u>	Column:	<u>RTX-1 60M</u>
		Date Received:	<u>08/12/20</u>
Purge Volume	<u>200</u> (cc)	Date Analyzed:	<u>08/12/20</u>
Matrix:	<u>AIR</u>	Dilution Factor:	<u>1</u>

CONCENTRATION UNITS: (ppbv or ug/m3) ppbv

[illegible]

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:\AIR2020\CHEM20\08AUG\12\
 Data File : 0812_04.D
 Acq On : 12 Aug 2020 4:07 pm
 Operator :
 Client ID : CG52615 LCS
 Lab ID : CG52615 LCS
 ALS Vial : 8 Sample Multiplier: 1

Quant Time: Oct 02 13:08:11 2020
 Quant Method : H:\AIR2020\CHEM20\METHODS\20_AIR_0812_WALDEN.M
 Quant Title : VOA Standards for 5 point calibration
 Qlast Update : Fri Oct 02 13:04:18 2020
 Response via : Initial Calibration

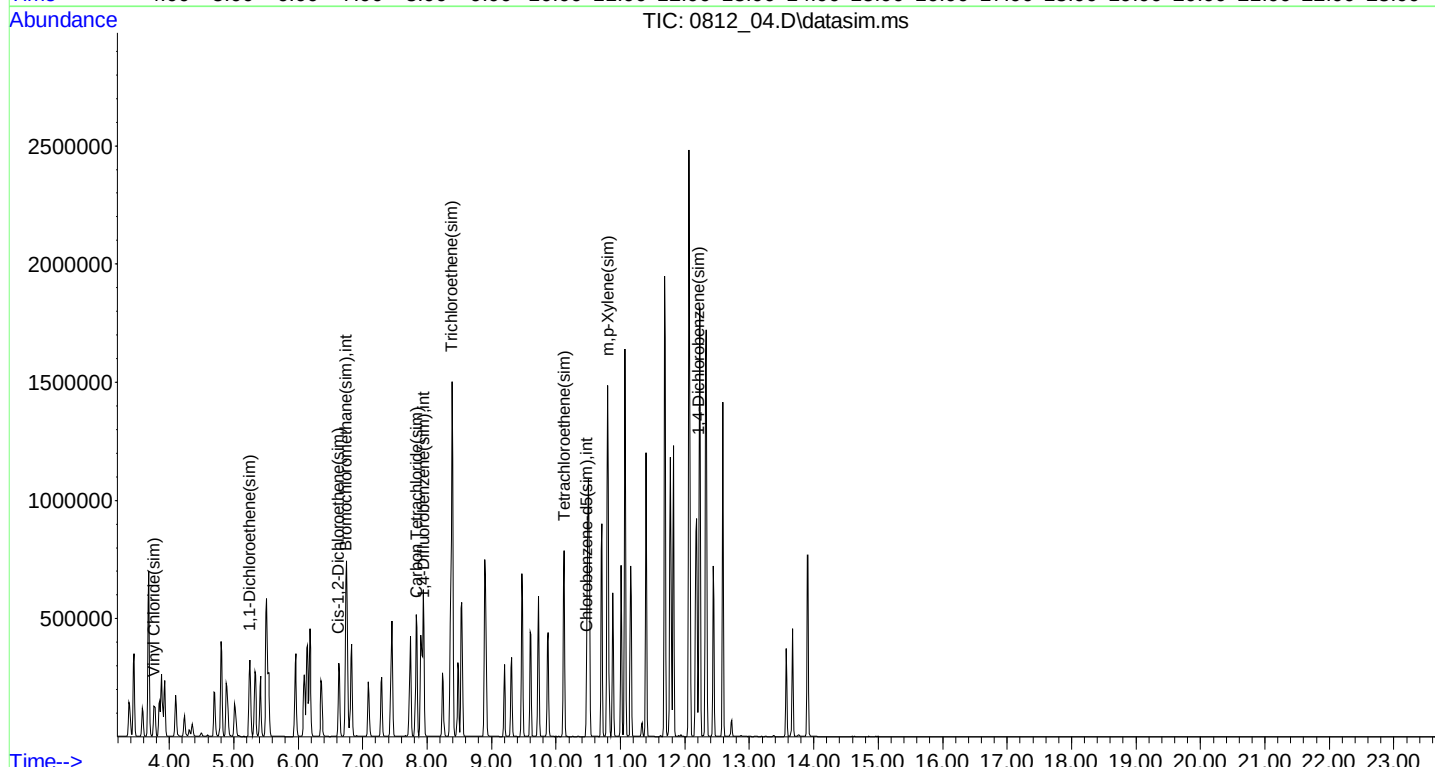
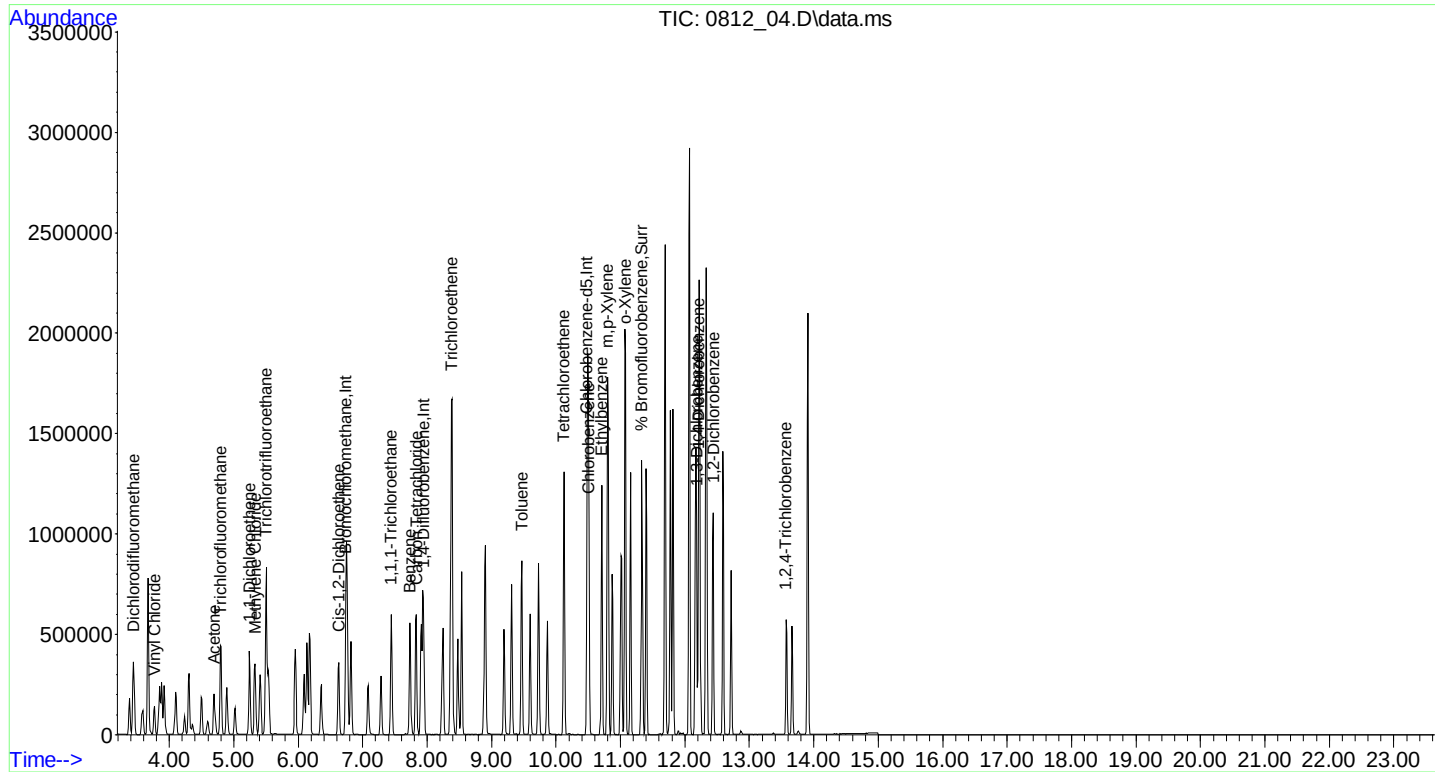
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	6.736	130	152108	10.000	ng	-0.01
15) 1,4-Difluorobenzene	7.945	114	556572	10.000	ng	0.00
20) Chlorobenzene-d5	10.482	82	264425	10.000	ng	-0.01
30) Bromochloromethane(sim)	6.741	130	165444	10.000	ng	#-0.01
41) 1,4-Difluorobenzene(sim)	7.945	114	556572	10.000	ng	0.00
47) Chlorobenzene-d5(sim)	10.482	82	264425	10.000	ng	# 0.00
System Monitoring Compounds						
25) % Bromofluorobenzene	11.332	95	331596	10.248	ppbv	0.00
Spiked Amount	10.000	Range	70 - 130	Recovery	=	102.50%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	3.447	85	328240	10.124	ppbv	100
3) Vinyl Chloride	3.770	62	152465	10.609	ppbv	99
4) Acetone	4.697	43	225103	10.359	ppbv	100
5) Trichlorofluoromethane	4.794	101	388134	10.182	ppbv	99
6) 1,1-Dichloroethene	5.245	61	248547	10.333	ppbv	99
7) Methylene Chloride	5.331	49	178849	9.774	ppbv	99
8) Trichlorotrifluoroethane	5.503	101	317596	10.130	ppbv	100
10) Cis-1,2-Dichloroethene	6.631	61	193771	10.468	ppbv	99
12) 1,1,1-Trichloroethane	7.444	97	330520	10.237	ppbv	99
13) Benzene	7.733	78	416658	10.436	ppbv	99
14) Carbon Tetrachloride	7.833	117	352345	10.174	ppbv	100
17) Trichloroethene	8.379	130	231718	10.248	ppbv	100
18) Toluene	9.473	91	534852	10.797	ppbv	100
19) Tetrachloroethene	10.123	166	325562	10.258	ppbv	100
21) Chlorobenzene	10.512	112	458247	10.171	ppbv	98
22) Ethylbenzene	10.707	91	698848	10.870	ppbv	99
23) m,p-Xylene	10.799	91	1095305	22.328	ppbv	100
24) o-Xylene	11.076	91	571585	10.921	ppbv	100
26) 1,3-Dichlorobenzene	12.184	146	446709	10.136	ppbv	100
27) 1,4-Dichlorobenzene	12.214	146	419574	11.610	ppbv	99
28) 1,2-Dichlorobenzene	12.440	146	432455	10.568	ppbv	99
29) 1,2,4-Trichlorobenzene	13.569	180	183470	8.804	ppbv	98
31) Vinyl Chloride(sim)	3.770	62	152465	8.916	ppbv	100
35) Carbon Tetrachloride(sim)	7.833	117	352345	9.489	ppbv	100
36) 1,1-Dichloroethene(sim)	5.250	61	277258	9.760	ppbv	100
40) Cis-1,2-Dichloroethene...	6.627	61	218697	10.101	ppbv	99
44) Trichloroethene(sim)	8.385	130	248556	12.622	ppbv	99
46) Tetrachloroethene(sim)	10.129	166	363077	13.083	ppbv	98
48) m,p-Xylene(sim)	10.805	91	1202077	18.315	ppbv	100
50) 1,4-Dichlorobenzene(sim)	12.220	146	467903	12.643	ppbv	97

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

Quantitation Report (QT Reviewed)

Data Path : H:\AIR2020\CHEM20\08AUG\12\
 Data File : 0812_04.D
 Acq On : 12 Aug 2020 4:07 pm
 Operator :
 Client ID : CG52615 LCS
 Lab ID : CG52615 LCS
 ALS Vial : 8 Sample Multiplier: 1

Quant Time: Oct 02 13:08:11 2020
 Quant Method : H:\AIR2020\CHEM20\METHODS\20_AIR_0812_WALDEN.M
 Quant Title : VOA Standards for 5 point calibration
 Last Update : Fri Oct 02 13:04:18 2020
 Response via : Initial Calibration



CONCENTRATION UNITS: (ppbv or ug/m3) ppbv

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Data Path : H:\AIR2020\CHEM20\08AUG\12\
 Data File : 0812_05.D
 Acq On : 12 Aug 2020 4:45 pm
 Operator :
 Client ID : CG52615 LCSD
 Lab ID : CG52615 LCSD
 ALS Vial : 9 Sample Multiplier: 1

Quant Time: Oct 02 13:08:14 2020
 Quant Method : H:\AIR2020\CHEM20\METHODS\20_AIR_0812_WALDEN.M
 Quant Title : VOA Standards for 5 point calibration
 Qlast Update : Fri Oct 02 13:04:18 2020
 Response via : Initial Calibration

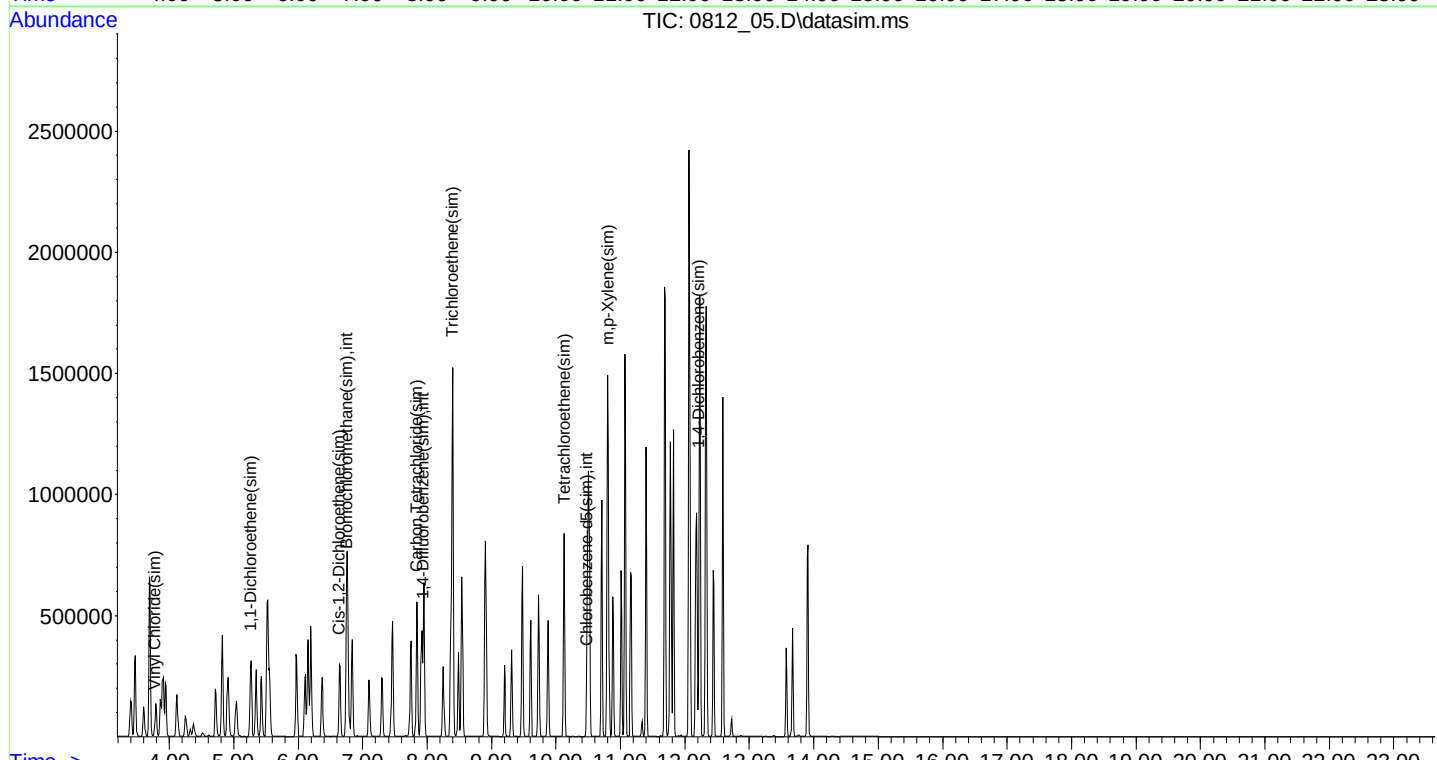
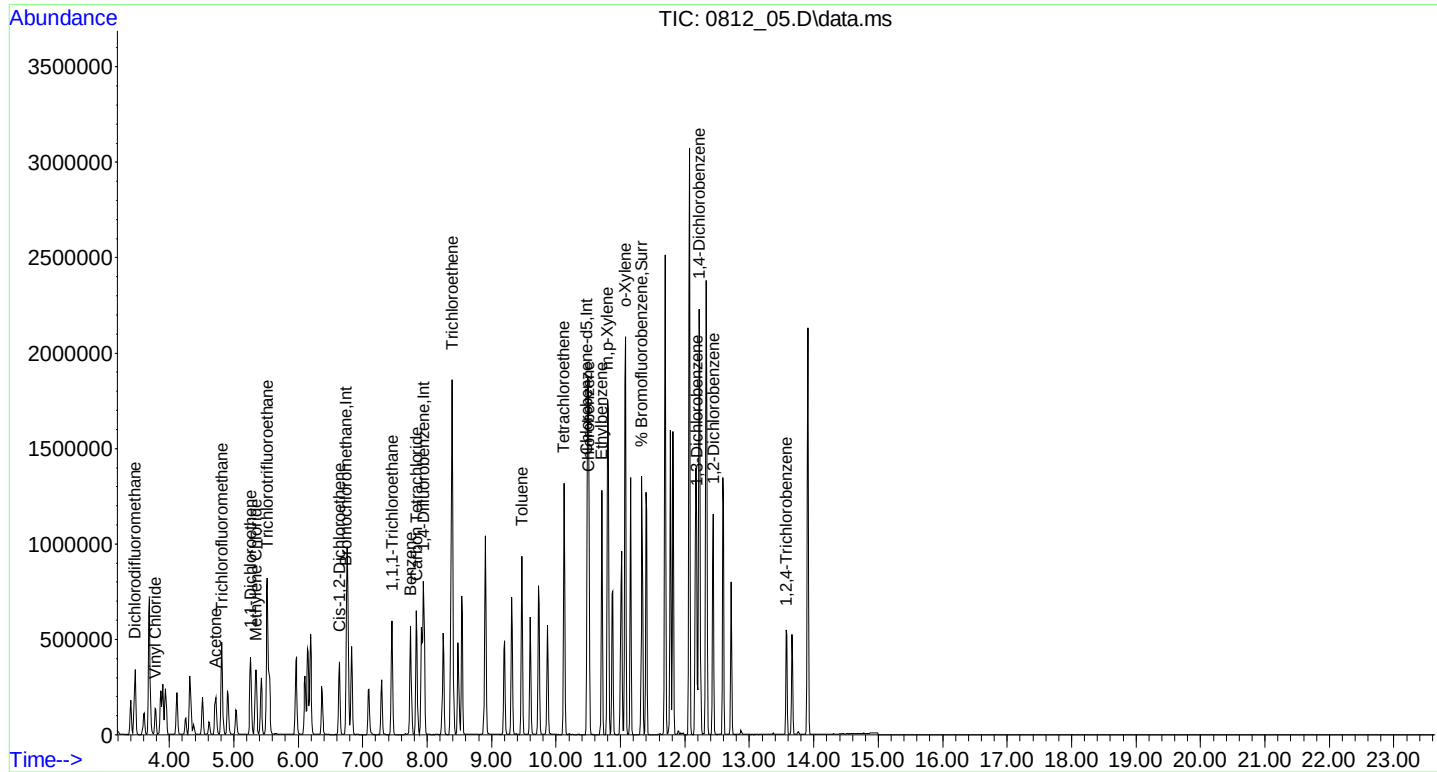
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	6.746	130	153389	10.000	ng	0.00
15) 1,4-Difluorobenzene	7.945	114	560819	10.000	ng	0.00
20) Chlorobenzene-d5	10.481	82	267881	10.000	ng	-0.01
30) Bromochloromethane(sim)	6.751	130	165104	10.000	ng	# 0.00
41) 1,4-Difluorobenzene(sim)	7.945	114	560819	10.000	ng	0.00
47) Chlorobenzene-d5(sim)	10.481	82	267881	10.000	ng	0.00
System Monitoring Compounds						
25) % Bromofluorobenzene	11.332	95	330479	10.082	ppbv	0.00
Spiked Amount	10.000	Range	70 - 130	Recovery	=	100.80%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	3.468	85	321096	9.821	ppbv	99
3) Vinyl Chloride	3.781	62	155505	10.730	ppbv	99
4) Acetone	4.718	43	225164	10.275	ppbv	100
5) Trichlorofluoromethane	4.815	101	390750	10.166	ppbv	100
6) 1,1-Dichloroethene	5.262	61	248259	10.235	ppbv	99
7) Methylene Chloride	5.348	49	181278	9.824	ppbv	98
8) Trichlorotrifluoroethane	5.520	101	316725	10.018	ppbv	100
10) Cis-1,2-Dichloroethene	6.642	61	195230	10.459	ppbv	99
12) 1,1,1-Trichloroethane	7.454	97	330698	10.157	ppbv	99
13) Benzene	7.744	78	419898	10.429	ppbv	100
14) Carbon Tetrachloride	7.833	117	351575	10.067	ppbv	100
17) Trichloroethene	8.390	130	231747	10.172	ppbv	100
18) Toluene	9.473	91	532198	10.662	ppbv	99
19) Tetrachloroethene	10.123	166	329276	10.296	ppbv	99
21) Chlorobenzene	10.512	112	464184	10.170	ppbv	99
22) Ethylbenzene	10.707	91	705180	10.827	ppbv	100
23) m,p-Xylene	10.799	91	1103378	22.202	ppbv	100
24) o-Xylene	11.076	91	569544	10.742	ppbv	100
26) 1,3-Dichlorobenzene	12.184	146	482139	10.799	ppbv	100
27) 1,4-Dichlorobenzene	12.225	146	383496	10.475	ppbv	100
28) 1,2-Dichlorobenzene	12.440	146	435468	10.504	ppbv	99
29) 1,2,4-Trichlorobenzene	13.579	180	178642	8.462	ppbv	99
31) Vinyl Chloride(sim)	3.781	62	155505	9.112	ppbv	100
35) Carbon Tetrachloride(sim)	7.833	117	351575	9.488	ppbv	100
36) 1,1-Dichloroethene(sim)	5.267	61	277327	9.782	ppbv	100
40) Cis-1,2-Dichloroethene...	6.637	61	219564	10.162	ppbv	99
44) Trichloroethene(sim)	8.396	130	249490	12.573	ppbv	99
46) Tetrachloroethene(sim)	10.129	166	363739	13.008	ppbv	98
48) m,p-Xylene(sim)	10.805	91	1209182	18.213	ppbv	100
50) 1,4-Dichlorobenzene(sim)	12.220	146	466592	12.445	ppbv	97

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

Quantitation Report (QT Reviewed)

Data Path : H:\AIR2020\CHEM20\08AUG\12\
 Data File : 0812_05.D
 Acq On : 12 Aug 2020 4:45 pm
 Operator :
 Client ID : CG52615 LCSD
 Lab ID : CG52615 LCSD
 ALS Vial : 9 Sample Multiplier: 1

Quant Time: Oct 02 13:08:14 2020
 Quant Method : H:\AIR2020\CHEM20\METHODS\20_AIR_0812_WALDEN.M
 Quant Title : VOA Standards for 5 point calibration
 Last Update : Fri Oct 02 13:04:18 2020
 Response via : Initial Calibration



Client:	WALDENE-IPARK	Lab:	Phoenix Env. Labs	
SDG No.:	GCG52615	Lab Sample ID:	CG52615 BL	
Canister:	BL	Lab File ID:	0812_07.D	
Instrument:	CHEM20	Column:	RTX-1 60M	
Purge Volume	200	(cc)	Date Received:	08/12/20
			Date Analyzed:	08/12/20
Matrix:	AIR	Dilution Factor:	1	

CONCENTRATION UNITS: (ppbv or ug/m3) ppbv

[illegible]

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:\AIR2020\CHEM20\08AUG\12\
Data File : 0812_07.D
Acq On : 12 Aug 2020 5:54 pm
Operator :
Client ID : CG52615 BLANK
Lab ID : CG52615 BLANK
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Oct 02 13:08:22 2020
Quant Method : H:\AIR2020\CHEM20\METHODS\20_AIR_0812_WALDEN.M
Quant Title : VOA Standards for 5 point calibration
Qlast Update : Fri Oct 02 13:04:18 2020
Response via : Initial Calibration

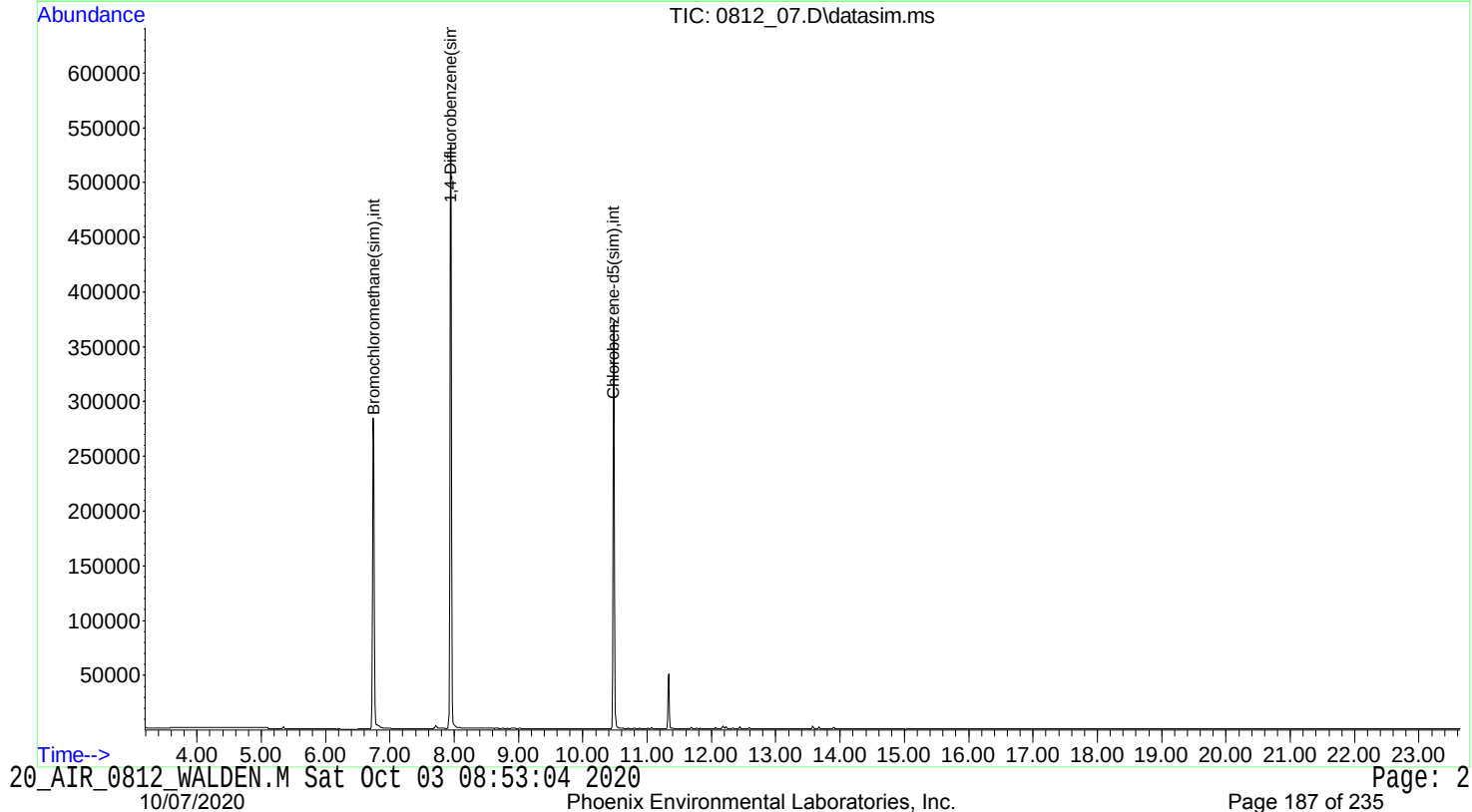
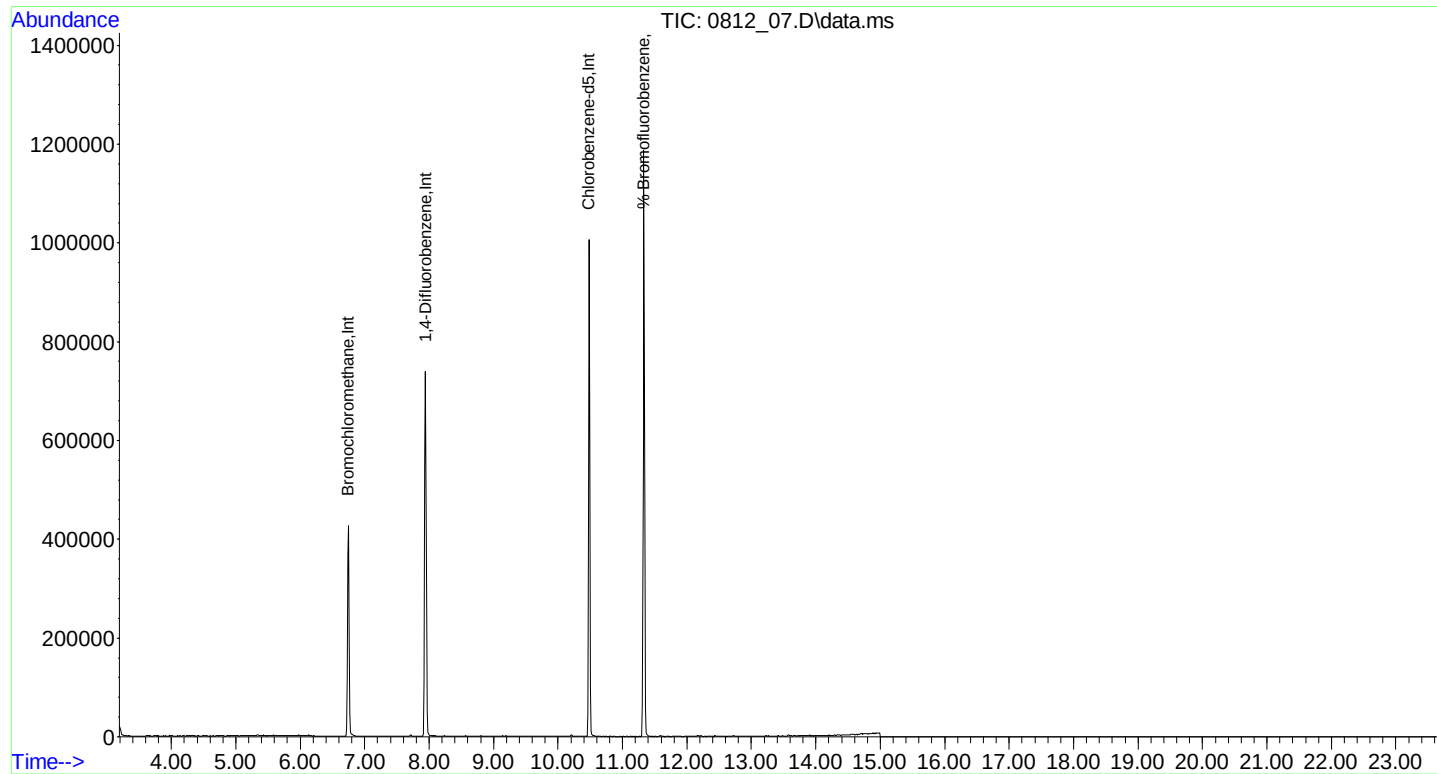
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	6.746	130	146009	10.000	ng	0.00
15) 1,4-Difluorobenzene	7.945	114	540259	10.000	ng	0.00
20) Chlorobenzene-d5	10.481	82	237030	10.000	ng	-0.01
30) Bromochloromethane(sim)	6.752	130	158834	10.000	ng	# 0.00
41) 1,4-Difluorobenzene(sim)	7.945	114	540259	10.000	ng	0.00
47) Chlorobenzene-d5(sim)	10.481	82	236918	10.000	ng	# 0.00
System Monitoring Compounds						
25) % Bromofluorobenzene	11.332	95	285422	9.840	ppbv	0.00
Spiked Amount	10.000	Range	70 - 130	Recovery	=	98.40%

Target Compounds	Qvalue

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

Data Path : H:\AIR2020\CHEM20\08AUG\12\
Data File : 0812_07.D
Acq On : 12 Aug 2020 5:54 pm
Operator :
Client ID : CG52615 BLANK
Lab ID : CG52615 BLANK
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Oct 02 13:08:22 2020
Quant Method : H:\AIR2020\CHEM20\METHODS\20_AIR_0812_WALDEN.M
Quant Title : VOA Standards for 5 point calibration
Last Update : Fri Oct 02 13:04:18 2020
Response via : Initial Calibration



Client:	WALDENE-IPARK	Lab:	Phoenix Env. Labs
SDG No.:	GCG52615	Lab Sample ID:	CG52615 DUP
Canister:	18258	Lab File ID:	0812_09.D
Instrument:	CHEM20	Column:	RTX-1 60M
Purge Volume	200 (cc)	Date Received:	08/12/20
		Date Analyzed:	08/12/20
Matrix:	AIR	Dilution Factor:	1

CONCENTRATION UNITS: (ppbv or ug/m3) ppbv

[illegible]

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:\AIR2020\CHEM20\08AUG\12\
 Data File : 0812_09.D
 Acq On : 12 Aug 2020 8:09 pm
 Operator :
 Client ID : IA-7 (MEZZANINE) DUP
 Lab ID : CG52615 DUP
 ALS Vial : 12 Sample Multiplier: 1

Quant Time: Oct 02 13:08:30 2020
 Quant Method : H:\AIR2020\CHEM20\METHODS\20_AIR_0812_WALDEN.M
 Quant Title : VOA Standards for 5 point calibration
 Qlast Update : Fri Oct 02 13:04:18 2020
 Response via : Initial Calibration

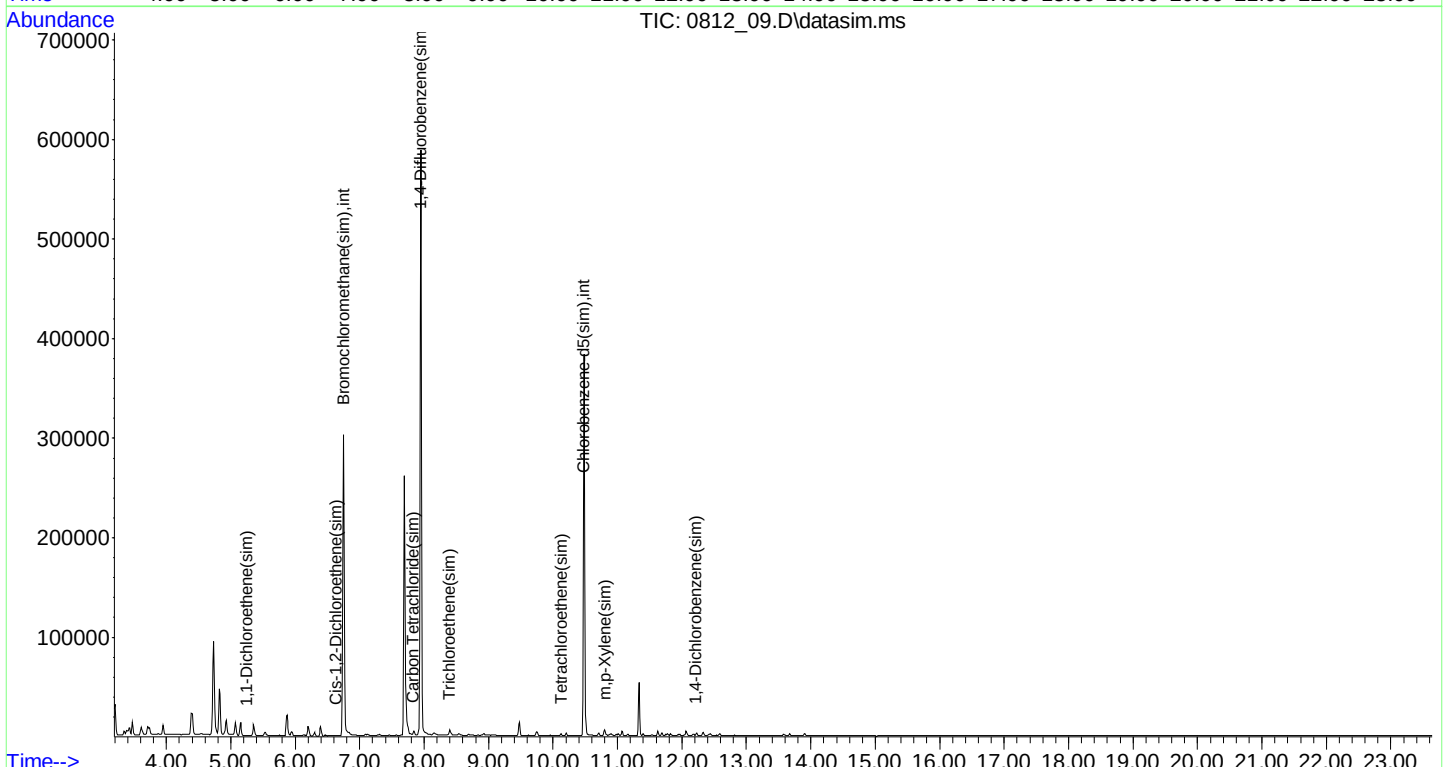
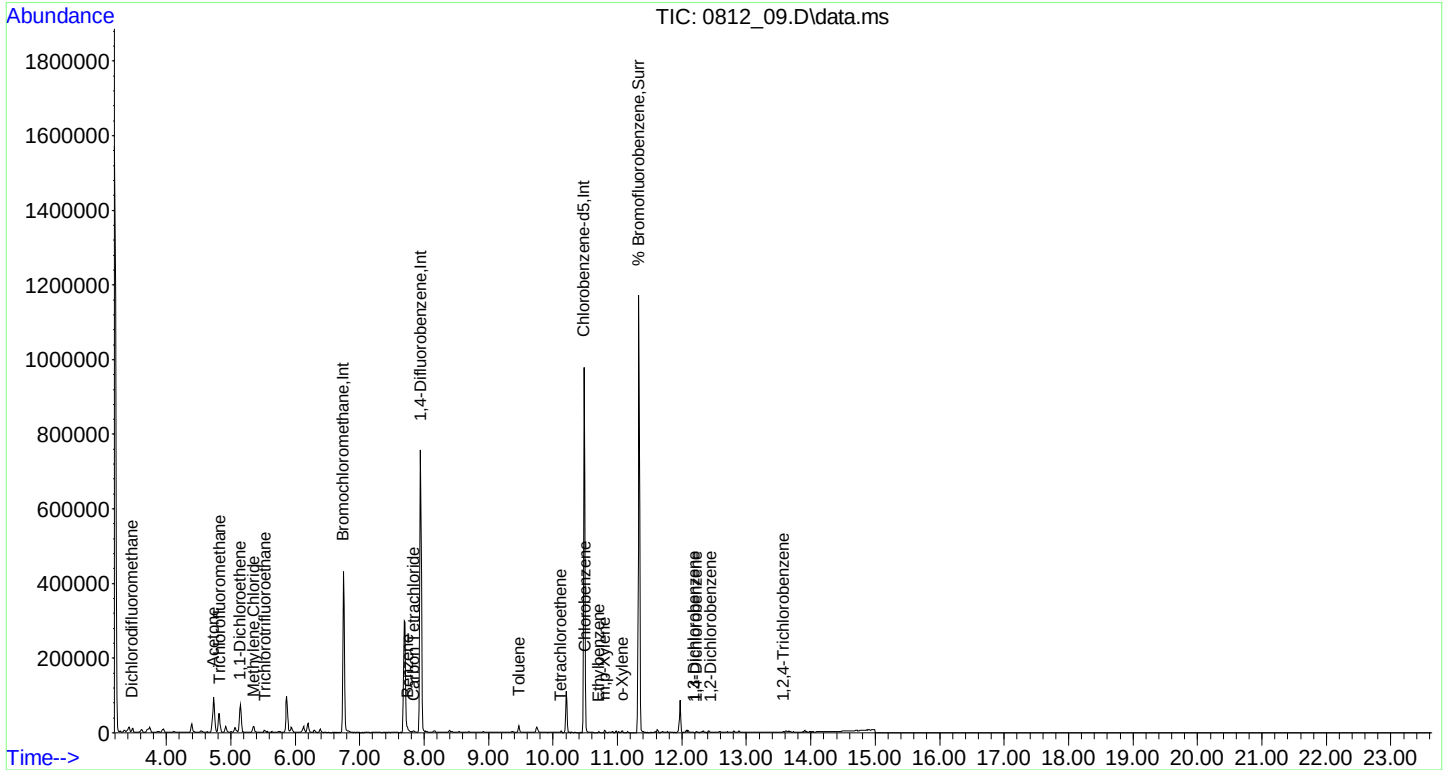
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	6.746	130	144341	10.000	ng	0.00
15) 1,4-Difluorobenzene	7.945	114	530369	10.000	ng	0.00
20) Chlorobenzene-d5	10.481	82	233614	10.000	ng	-0.01
30) Bromochloromethane(sim)	6.752	130	156206	10.000	ng	# 0.00
41) 1,4-Difluorobenzene(sim)	7.945	114	529706	10.000	ng	0.00
47) Chlorobenzene-d5(sim)	10.481	82	233613	10.000	ng	# 0.00
System Monitoring Compounds						
25) % Bromofluorobenzene	11.332	95	282040	9.866	ppbv	0.00
Spiked Amount	10.000	Range	70 - 130	Recovery	=	98.70%
Target Compounds						
2) Dichlorodifluoromethane	3.468	85	11660	0.379	ppbv	Qvalue 96
4) Acetone	4.729	43	108640	5.268	ppbv	98
5) Trichlorofluoromethane	4.826	101	44505	1.230	ppbv	100
14) Carbon Tetrachloride	7.833	117	2266	0.069	ppbv	99
32) Trichlorofluoromethane...	4.821	101	47046	1.171	ppbv#	100
35) Carbon Tetrachloride(sim)	7.833	117	2266	0.065	ppbv	99

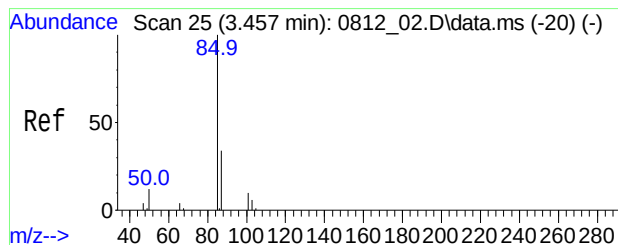
(#)out of range (m)manual integration reviewed by analyst (+)signals summed

Quantitation Report (QT Reviewed)

Data Path : H:\AIR2020\CHEM20\08AUG\12\
 Data File : 0812_09.D
 Acq On : 12 Aug 2020 8:09 pm
 Operator :
 Client ID : IA-7 (MEZZANINE) DUP
 Lab ID : CG52615 DUP
 ALS Vial : 12 Sample Multiplier: 1

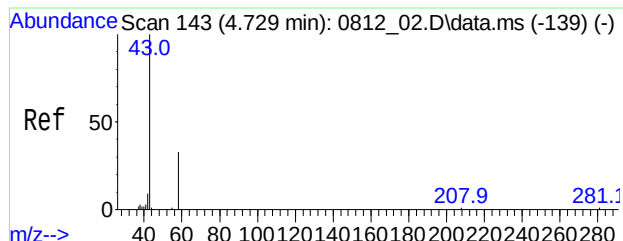
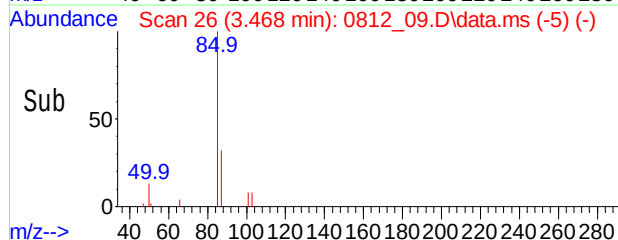
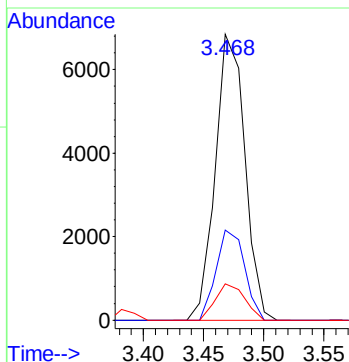
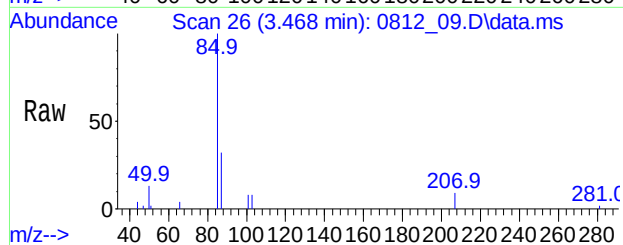
Quant Time: Oct 02 13:08:30 2020
 Quant Method : H:\AIR2020\CHEM20\METHODS\20_AIR_0812_WALDEN.M
 Quant Title : VOA Standards for 5 point calibration
 Last Update : Fri Oct 02 13:04:18 2020
 Response via : Initial Calibration





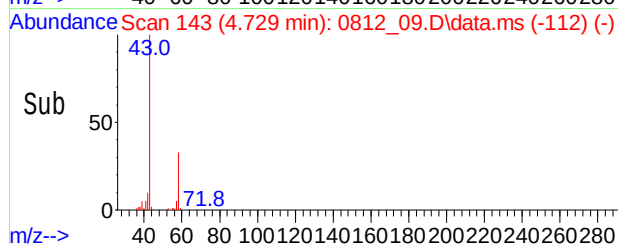
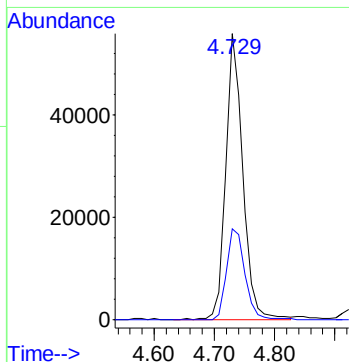
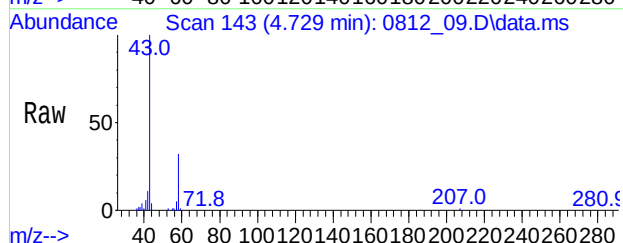
#2
Dichlorodifluoromethane
Conc: 8\$ 0.379 ppbv
RT: 3.468 min Scan# 26
Delta R.T. 0.021 min
Lab File: 0812_09.D
Acq: 12 Aug 2020 8:09 pm

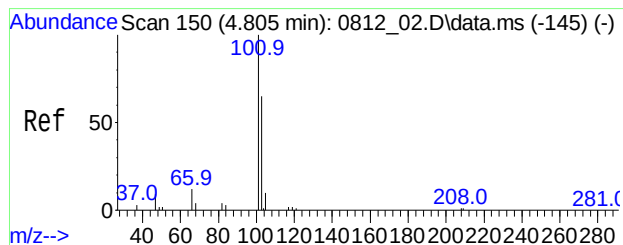
Tgt Ion	Ratio	Resp	Lower	Upper
85	100	11660		
87	30.3	26.1	39.1	
50	12.6	9.4	14.0	



#4
Acetone
Conc: 8\$ 5.268 ppbv
RT: 4.729 min Scan# 143
Delta R.T. 0.032 min
Lab File: 0812_09.D
Acq: 12 Aug 2020 8:09 pm

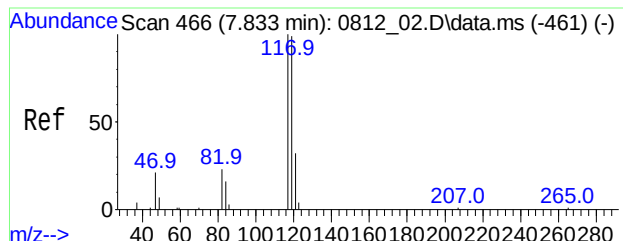
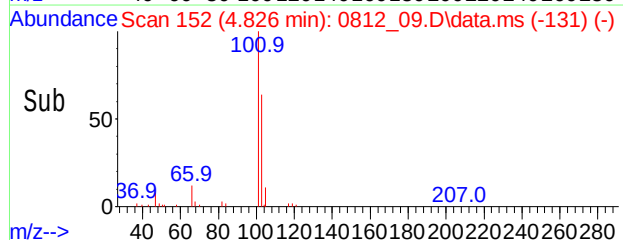
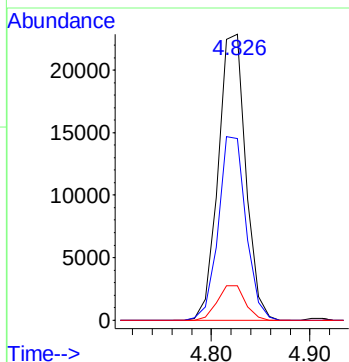
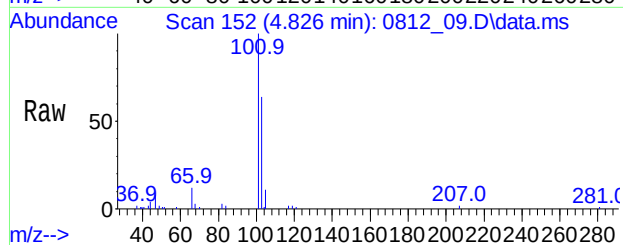
Tgt Ion	Ratio	Resp	Lower	Upper
43	100	108640		
58	34.2	28.1	42.1	





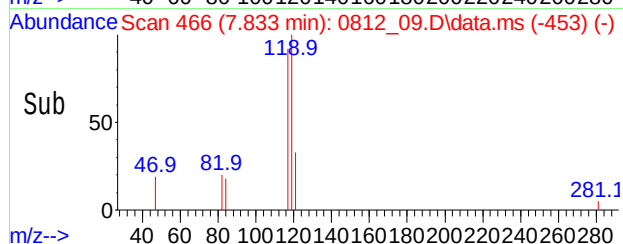
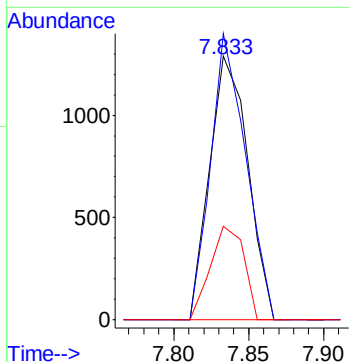
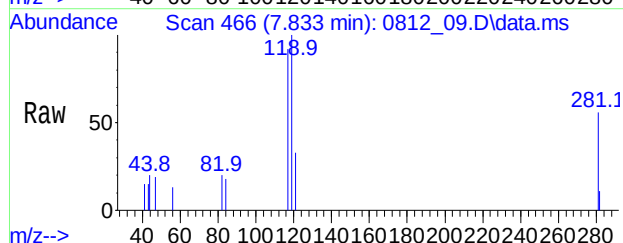
#5
 Trichlorofluoromethane
 Conc: 8\$ 1.230 ppbv
 RT: 4.826 min Scan# 152
 Delta R.T. 0.021 min
 Lab File: 0812_09.D
 Acq: 12 Aug 2020 8:09 pm

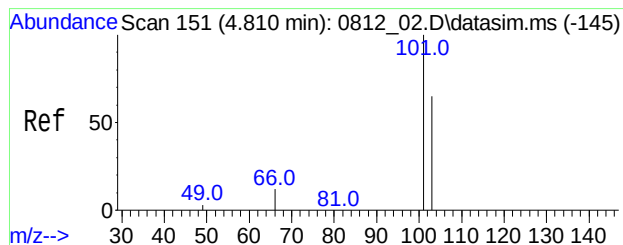
Tgt Ion	Ratio	Resp	Lower	Upper
101	100	44505		
103	64.4	51.6	77.4	
66	12.2	9.3	13.9	



#14
 Carbon Tetrachloride
 Conc: 8\$ Below Cal
 RT: 7.833 min Scan# 466
 Delta R.T. -0.000 min
 Lab File: 0812_09.D
 Acq: 12 Aug 2020 8:09 pm

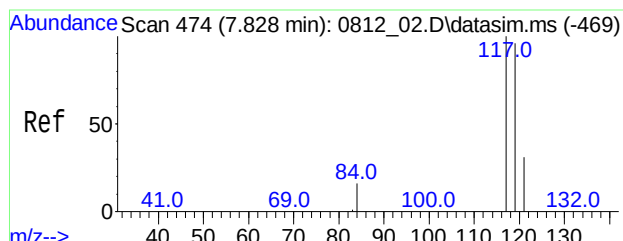
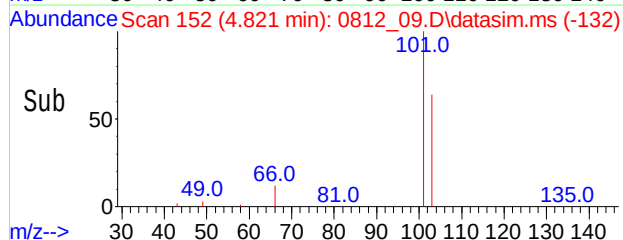
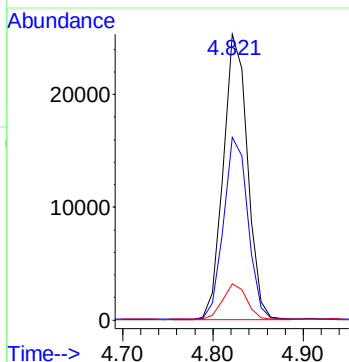
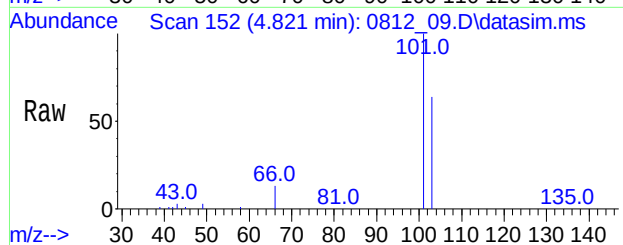
Tgt Ion	Ratio	Resp	Lower	Upper
117	100	2266		
119	99.5	78.1	118.1	
121	31.0	11.3	51.3	





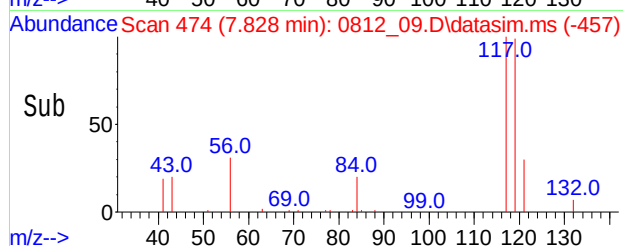
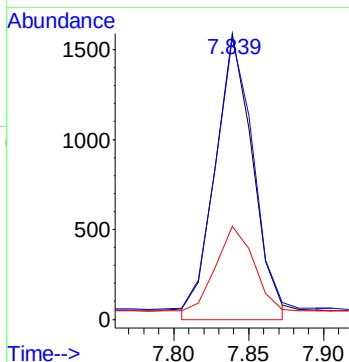
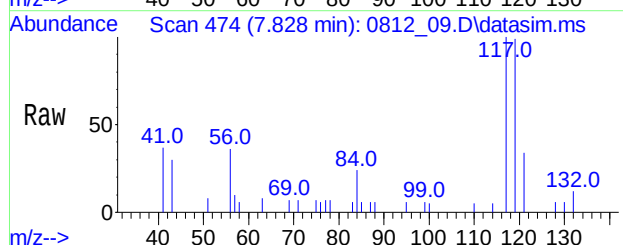
#32
Trichlorofluoromethane(sim)
Conc: 8\$ 1.171 ppbv
RT: 4.821 min Scan# 152
Delta R.T. 0.011 min
Lab File: 0812_09.D
Acq: 12 Aug 2020 8:09 pm

Tgt Ion	Ratio	Resp	Lower	Upper
101	100	47046		
103	64.2	51.2	76.8	
66	12.3	12.2	12.2#	



#35
Carbon Tetrachloride(sim)
Conc: 8\$ 0.065 ppbv
RT: 7.833 min Scan# 474
Delta R.T. -0.000 min
Lab File: 0812_09.D
Acq: 12 Aug 2020 8:09 pm

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	2266		
119	99.5	78.5	117.7	
121	31.0	25.0	37.6	



Client:	WALDENE-IPARK	Lab:	Phoenix Env. Labs
SDG No.:	GCG52615	Lab Sample ID:	CANISTER BLK 1925
Canister:	CANBL	Lab File ID:	0601_25.D
Instrument:	CHEM24	Column:	
Purge Volume	200	(cc)	
Date Received:		Date Analyzed:	06/01/20
Matrix:	AIR	Dilution Factor:	1

CONCENTRATION UNITS: (ppbv or ug/m3) ppbv

[illegible]

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:\AIR2020\CHEM24\06JUN\01\
 Data File : 0601_25.D
 Acq On : 1 Jun 2020 11:31 pm
 Operator : Keith
 Client ID : CANISTER BLK 1925
 Lab ID : CANISTER BLK 1925
 ALS Vial : 155 Sample Multiplier: 1

Quant Time: Jun 02 08:07:18 2020
 Quant Method : H:\AIR2020\CHEM24\METHODS\24AIR_0528.M
 Quant Title : VOA Standards for 5 point calibration
 Qlast Update : Fri May 29 08:22:49 2020
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.427	130	183280	10.000	ng	0.00
36) 1,4-Difluorobenzene	7.356	114	647096	10.000	ng	0.00
53) Chlorobenzene-d5	10.931	82	338566	10.000	ng	0.00
80) Bromochloromethane(sim)	5.430	130	182164	10.000	ng	# 0.00
94) 1,4-Difluorobenzene(sim)	7.353	114	697469	10.000	ng	0.00
104) Chlorobenzene-d5(sim)	10.927	82	355752	10.000	ng	0.00
System Monitoring Compounds						
62) % Bromofluorobenzene	12.404	95	450474	9.815	ppbv	0.00
Spiked Amount	10.000	Range	70 - 130	Recovery	=	98.20%

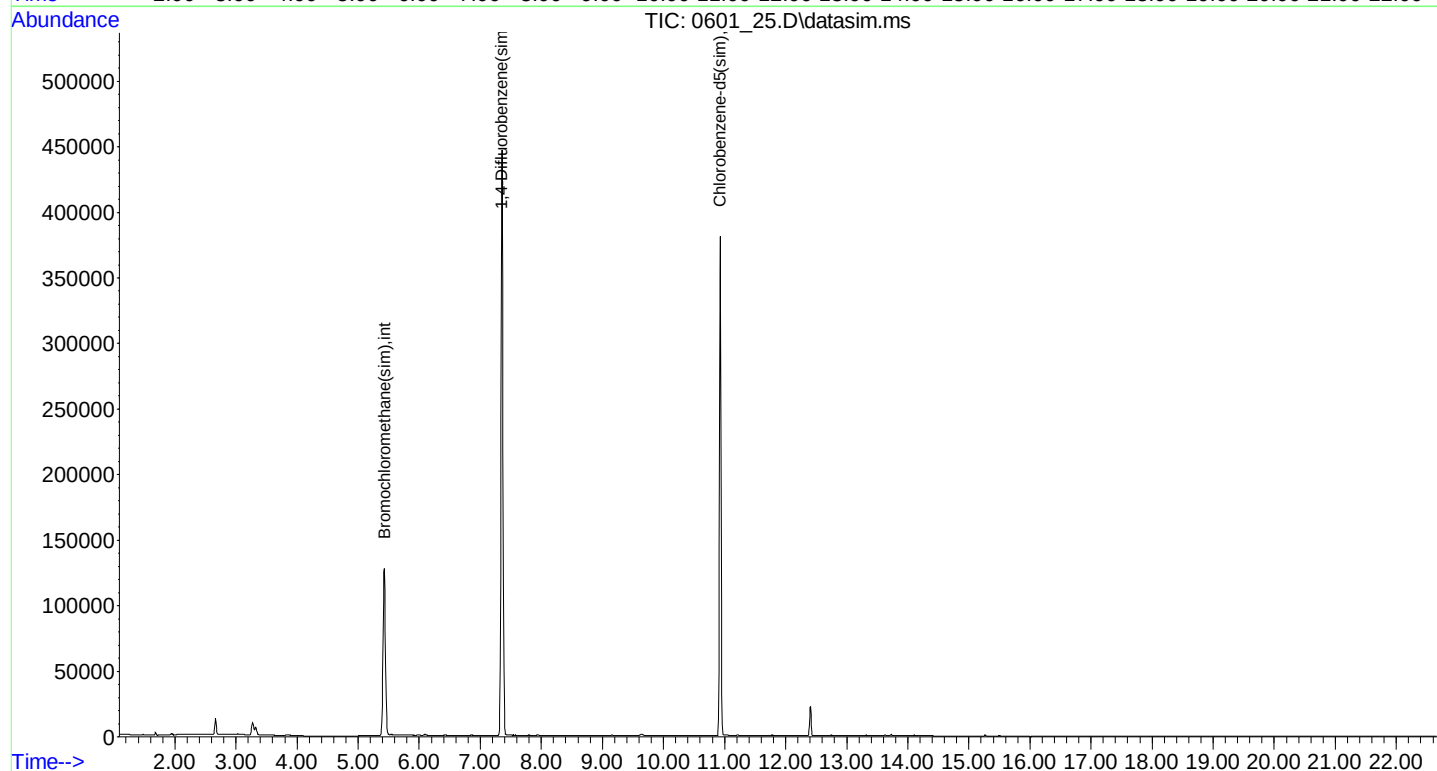
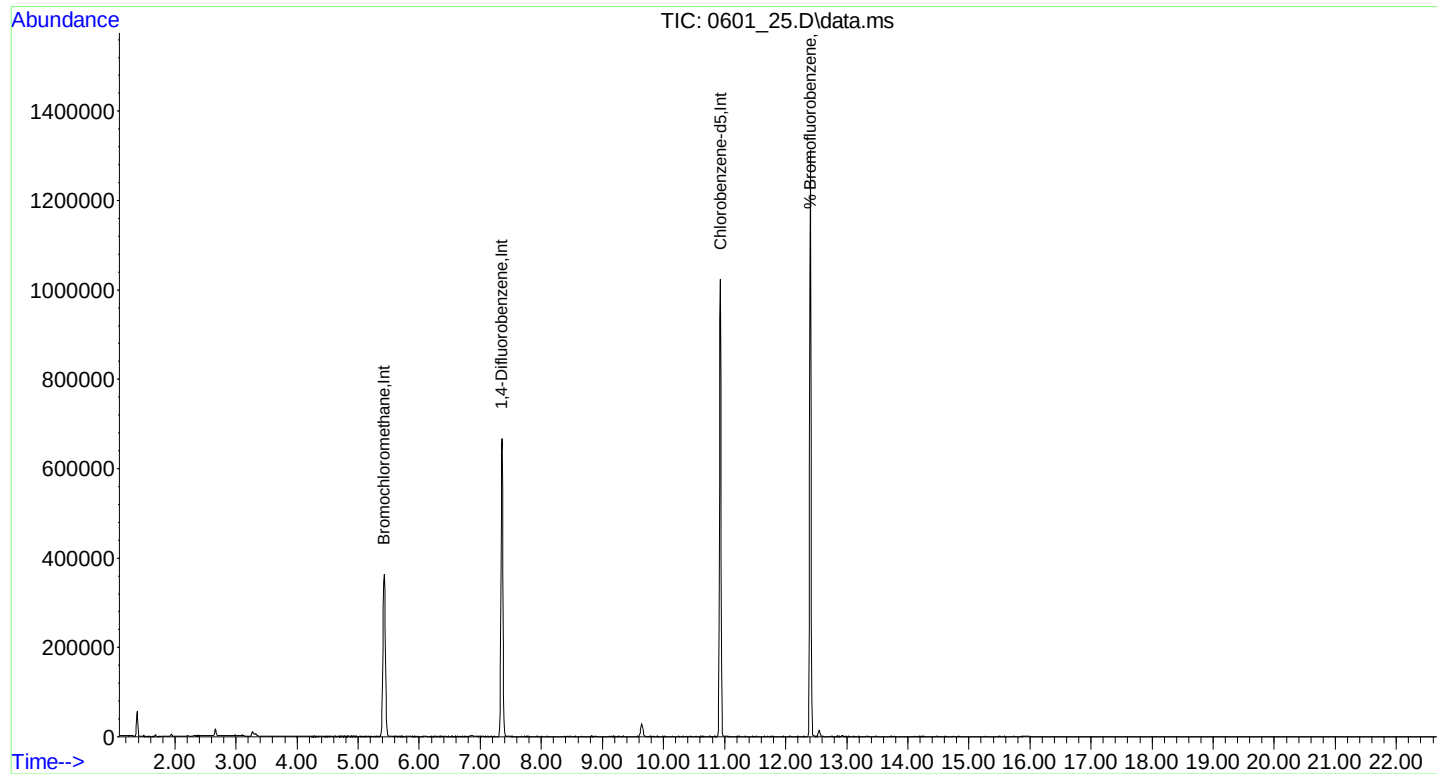
Target Compounds	Qvalue

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

Quantitation Report (QT Reviewed)

Data Path : H:\AIR2020\CHEM24\06JUN\01\
 Data File : 0601_25.D
 Acq On : 1 Jun 2020 11:31 pm
 Operator : Keith
 Client ID : CANISTER BLK 1925
 Lab ID : CANISTER BLK 1925
 ALS Vial : 155 Sample Multiplier: 1

Quant Time: Jun 02 08:07:18 2020
 Quant Method : H:\AIR2020\CHEM24\METHODS\24AIR_0528.M
 Quant Title : VOA Standards for 5 point calibration
 Last Update : Fri May 29 08:22:49 2020
 Response via : Initial Calibration



CANISTER BLK 490

ppbv

CAS NO.

COMPOUND

CONC.

Q

MDL

PQL

R

Data Path : H:\AIR2020\CHEM20\07JUL\10\
Data File : 0710_24.D
Acq On : 11 Jul 2020 2:07 am
Operator :
Client ID : CANISTER BLK 490
Lab ID : CANISTER BLK 490
ALS Vial : 21 Sample Multiplier: 1

Quant Time: Jul 13 09:17:55 2020
Quant Method : H:\AIR2020\CHEM20\METHODS\20_AIR_0710.M
Quant Title : VOA Standards for 5 point calibration
Qlast Update : Mon Jul 13 09:14:13 2020
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	6.742	130	102500	10.000	ng	-0.02
36) 1,4-Difluorobenzene	7.957	114	432163	10.000	ng	-0.01
53) Chlorobenzene-d5	10.502	82	222552	10.000	ng	-0.01
80) Bromochloromethane(sim)	6.747	130	109831	10.000	ng	#-0.02
94) 1,4-Difluorobenzene(sim)	7.952	114	487714	10.000	ng	-0.02
104) Chlorobenzene-d5(sim)	10.507	82	245665	10.000	ng	0.00
System Monitoring Compounds						
62) % Bromofluorobenzene	11.352	95	302069	10.082	ppbv	0.00
Spiked Amount	10.000	Range	70 - 130	Recovery	=	100.80%

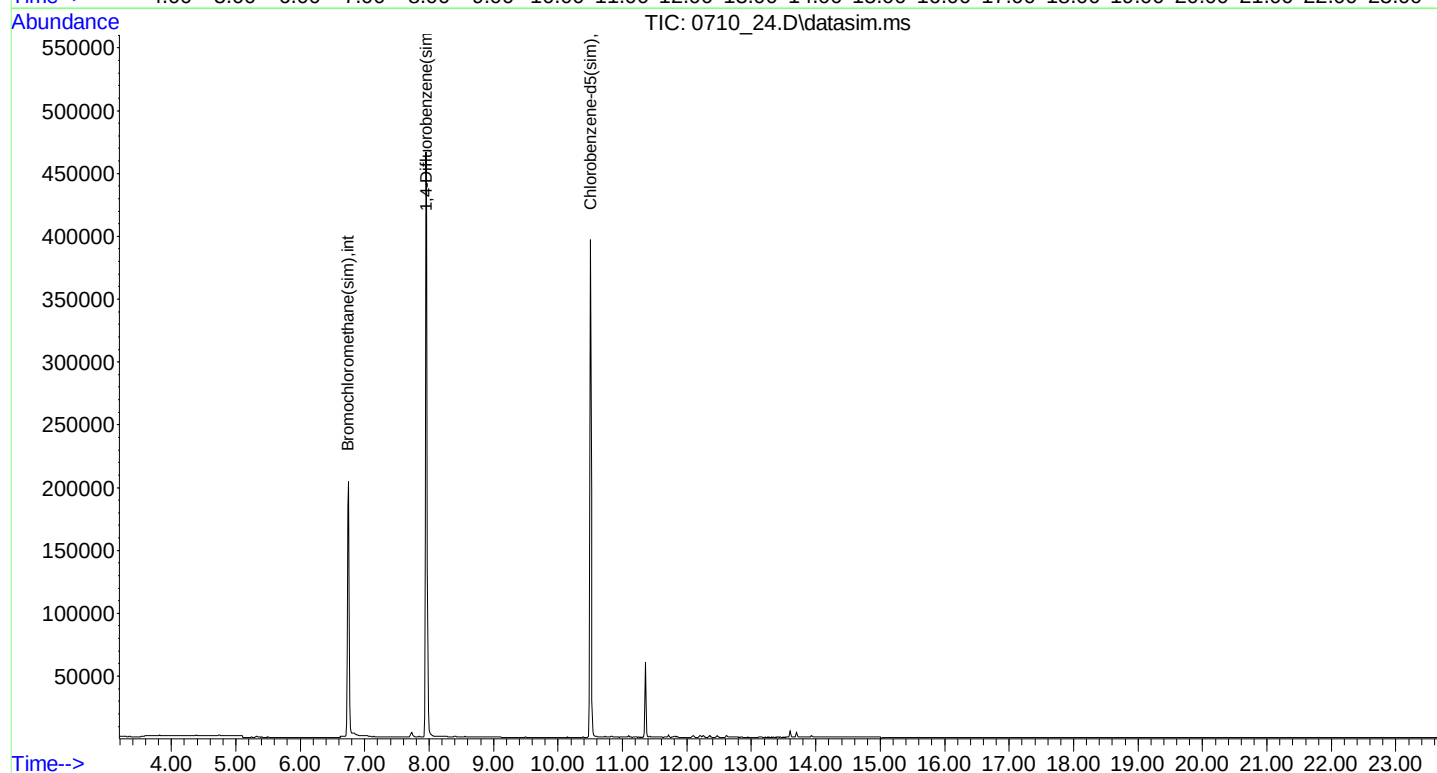
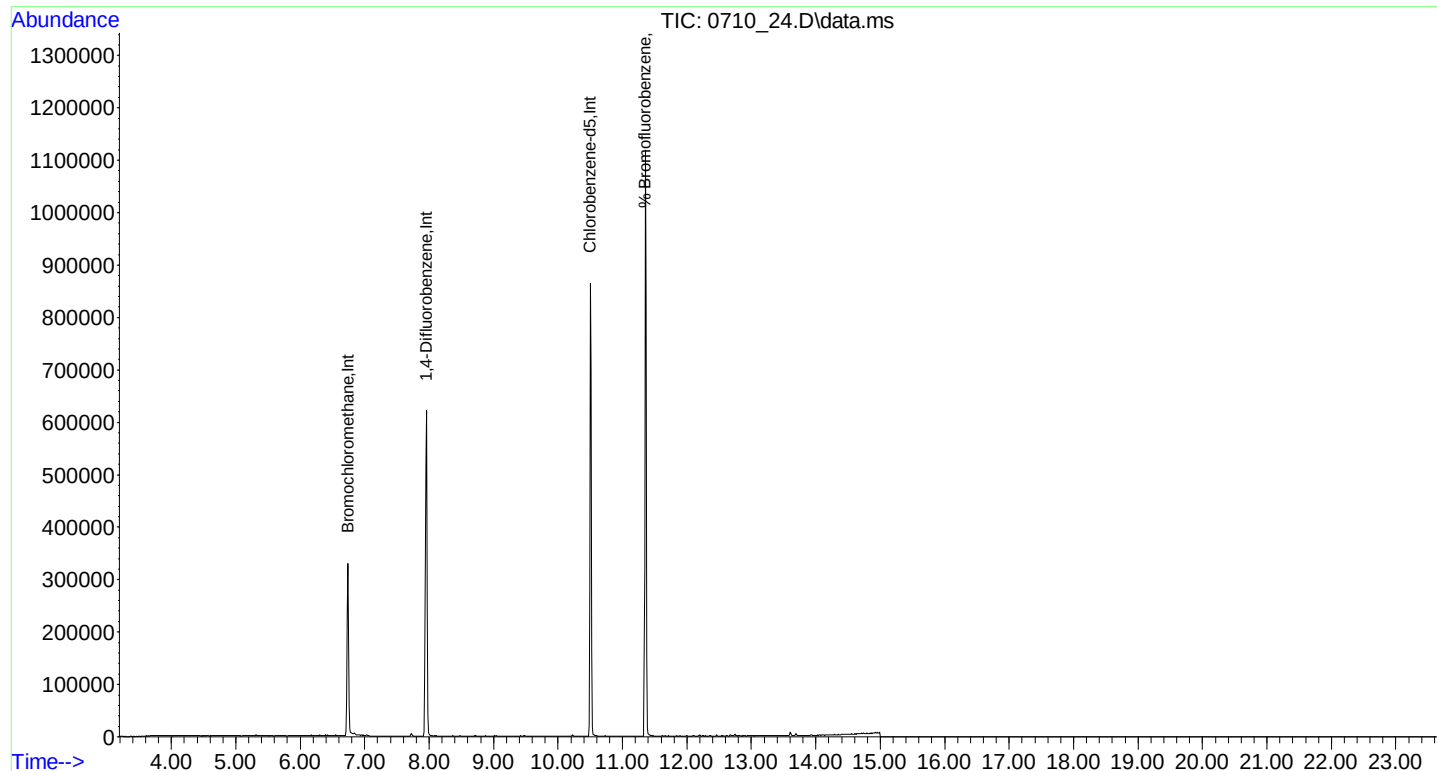
Target Compounds	Qvalue

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

Quantitation Report (QT Reviewed)

Data Path : H:\AIR2020\CHEM20\07JUL\10\
 Data File : 0710_24.D
 Acq On : 11 Jul 2020 2:07 am
 Operator :
 Client ID : CANISTER BLK 490
 Lab ID : CANISTER BLK 490
 ALS Vial : 21 Sample Multiplier: 1

Quant Time: Jul 13 09:17:55 2020
 Quant Method : H:\AIR2020\CHEM20\METHODS\20_AIR_0710.M
 Quant Title : VOA Standards for 5 point calibration
 Last Update : Mon Jul 13 09:14:13 2020
 Response via : Initial Calibration



Client:	WALDENE-IPARK	Lab:	Phoenix Env. Labs
SDG No.:	GCG52615	Lab Sample ID:	CANISTER BLK 9544
Canister:	CANBL	Lab File ID:	0710_25.D
Instrument:	CHEM20	Column:	
Purge Volume	200	(cc)	
Date Received:		Date Analyzed:	07/11/20
Matrix:	AIR	Dilution Factor:	1

CONCENTRATION UNITS: (ppbv or ug/m3) ppbv

[illegible]

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:\AIR2020\CHEM20\07JUL\10\
Data File : 0710_25.D
Acq On : 11 Jul 2020 2:45 am
Operator :
Client ID : CANISTER BLK 9544
Lab ID : CANISTER BLK 9544
ALS Vial : 22 Sample Multiplier: 1

Quant Time: Jul 13 09:18:00 2020
Quant Method : H:\AIR2020\CHEM20\METHODS\20_AIR_0710.M
Quant Title : VOA Standards for 5 point calibration
QLast Update : Mon Jul 13 09:14:13 2020
Response via : Initial Calibration

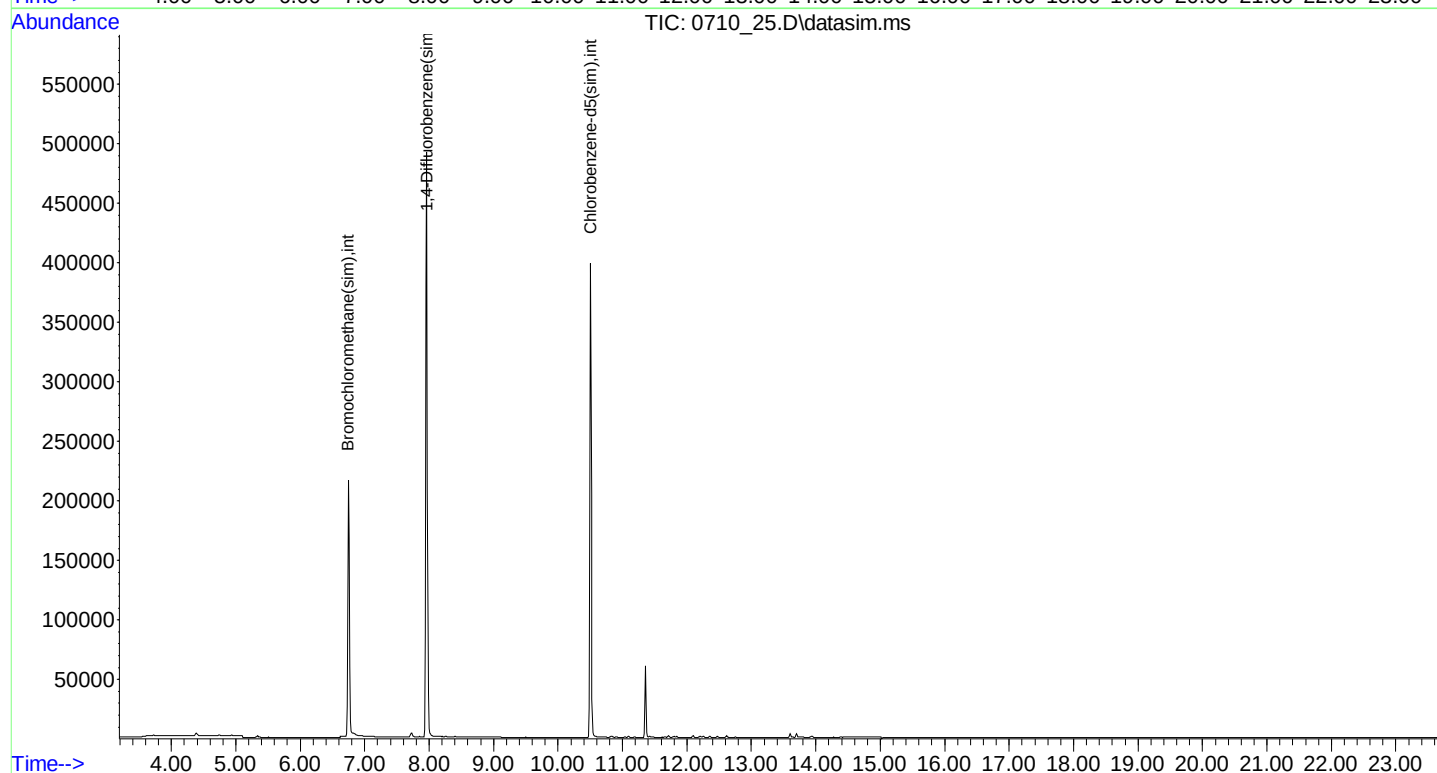
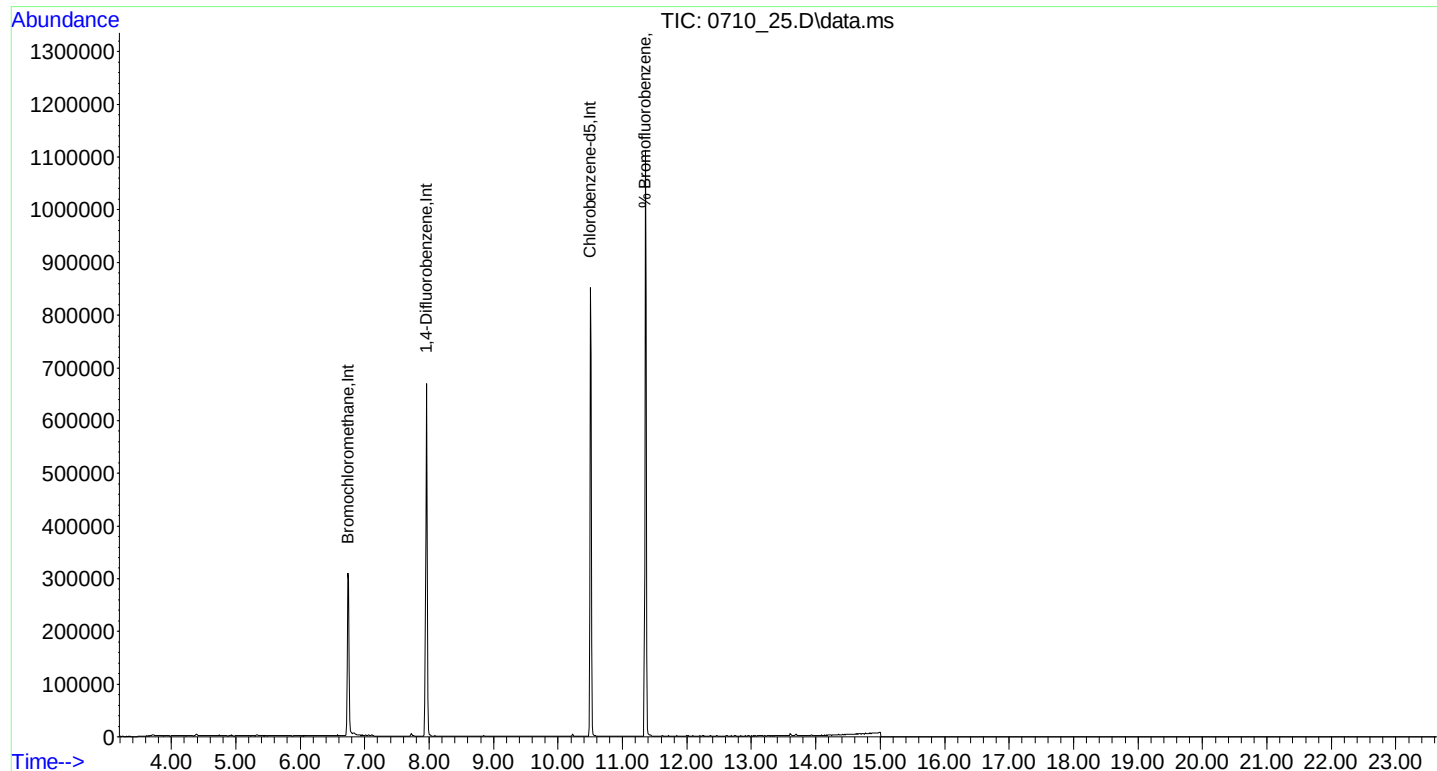
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	6.742	130	108254	10.000	ng	-0.02
36) 1,4-Difluorobenzene	7.958	114	426118	10.000	ng	-0.01
53) Chlorobenzene-d5	10.502	82	222193	10.000	ng	-0.01
80) Bromochloromethane(sim)	6.747	130	115912	10.000	ng	#-0.02
94) 1,4-Difluorobenzene(sim)	7.963	114	484028	10.000	ng	-0.01
104) Chlorobenzene-d5(sim)	10.507	82	244635	10.000	ng	0.00
System Monitoring Compounds						
62) % Bromofluorobenzene	11.352	95	299428	10.010	ppbv	0.00
Spiked Amount	10.000	Range	70 - 130	Recovery	=	100.10%

Target Compounds Qvalue

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

Data Path : H:\AIR2020\CHEM20\07JUL\10\
Data File : 0710_25.D
Acq On : 11 Jul 2020 2:45 am
Operator :
Client ID : CANISTER BLK 9544
Lab ID : CANISTER BLK 9544
ALS Vial : 22 Sample Multiplier: 1

Quant Time: Jul 13 09:18:00 2020
Quant Method : H:\AIR2020\CHEM20\METHODS\20_AIR_0710.M
Quant Title : VOA Standards for 5 point calibration
Last Update : Mon Jul 13 09:14:13 2020
Response via : Initial Calibration



CANISTER BLK 13638

ppbv

CAS NO.

COMPOUND

CONC.

Q

MDL

PQL

R

Data Path : H:\AIR2020\CHEM20\06JUN\24\
 Data File : 0624_20.D
 Acq On : 24 Jun 2020 11:55 pm
 Operator :
 Client ID : CANISTER BLK 13638
 Lab ID : CANISTER BLK 13638
 ALS Vial : 47 Sample Multiplier: 1

Quant Time: Jun 25 09:17:50 2020
 Quant Method : H:\AIR2020\CHEM20\METHODS\20_AIR_0615.M
 Quant Title : VOA Standards for 5 point calibration
 QLast Update : Mon Jun 15 14:41:22 2020
 Response via : Initial Calibration

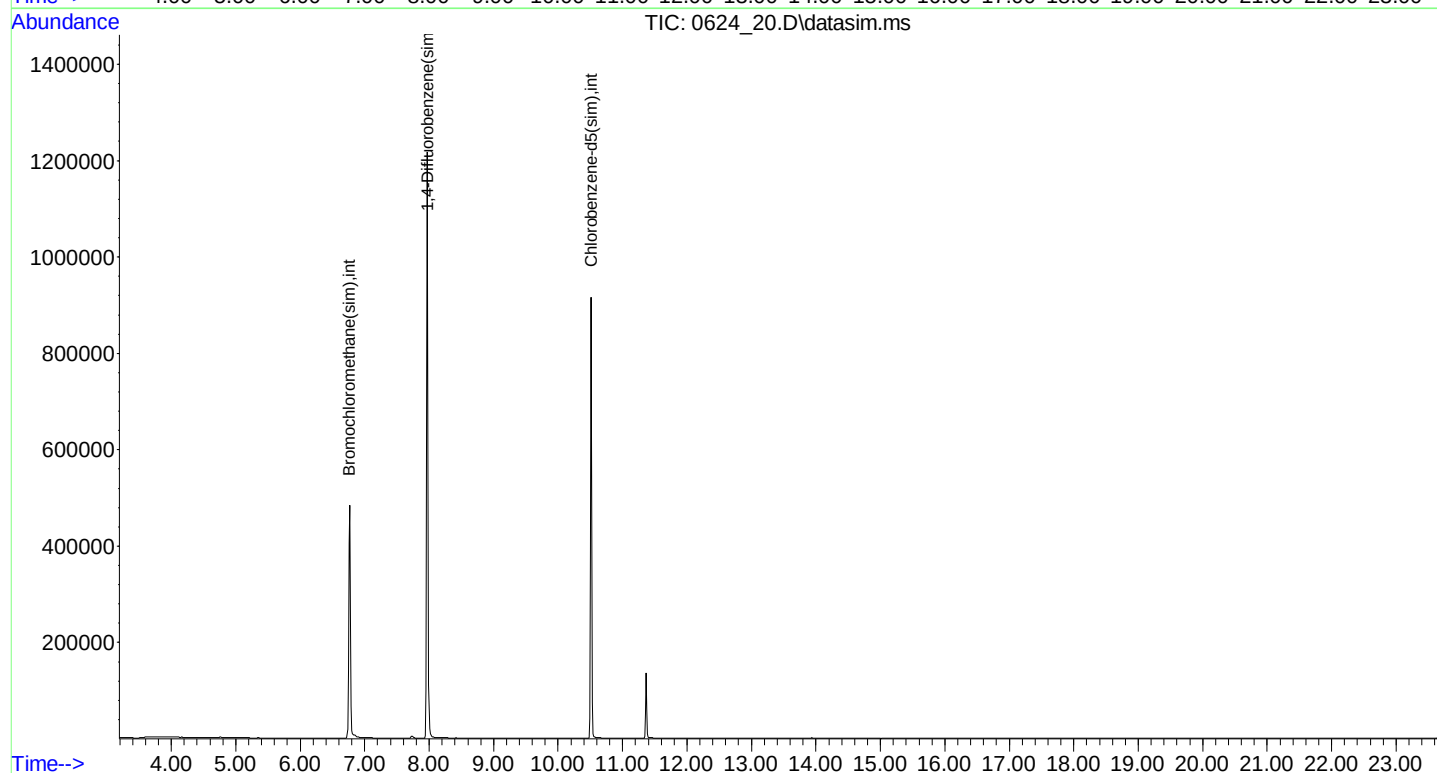
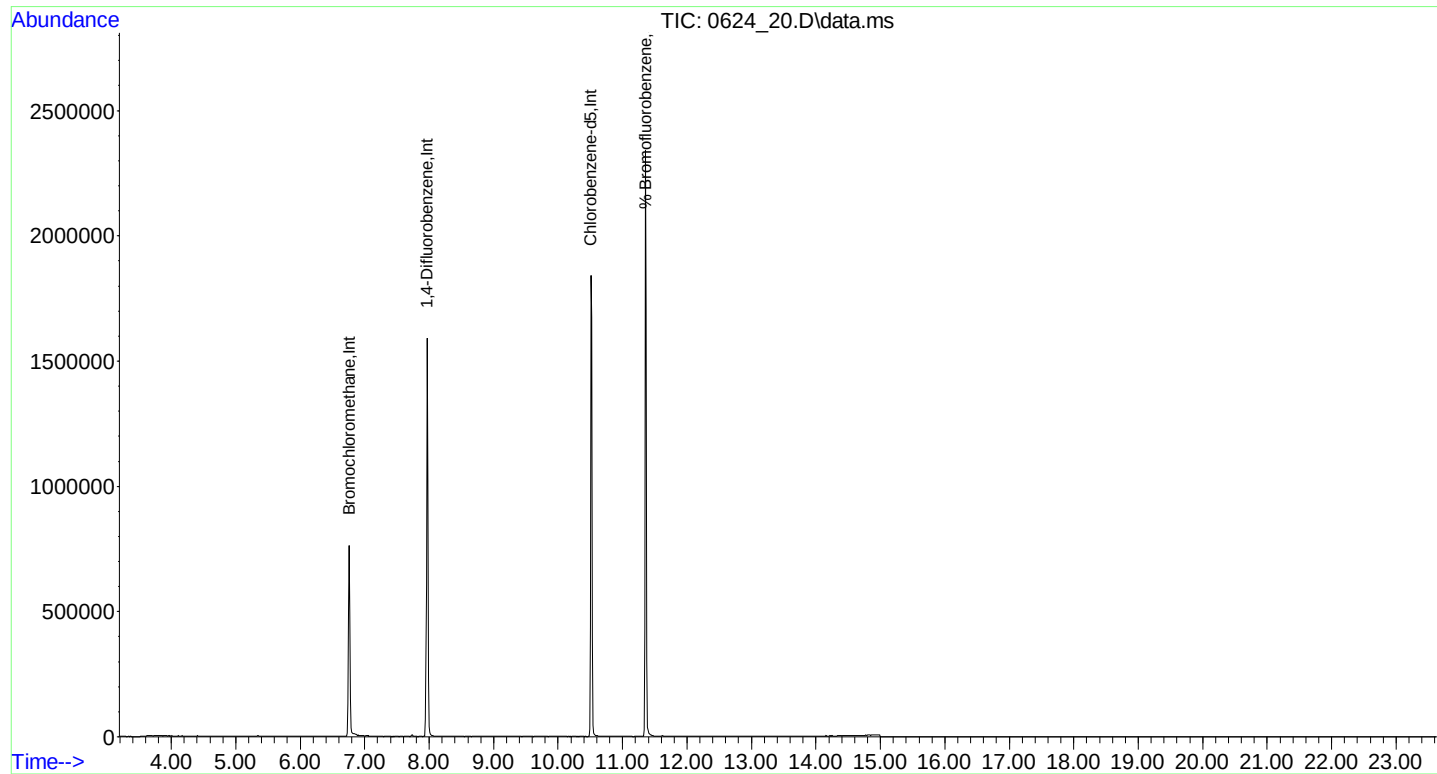
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	6.759	130	223868	10.000	ng	0.00
36) 1,4-Difluorobenzene	7.965	114	875529	10.000	ng	0.00
53) Chlorobenzene-d5	10.508	82	490238	10.000	ng	-0.01
80) Bromochloromethane(sim)	6.765	130	248630	10.000	ng	# 0.00
94) 1,4-Difluorobenzene(sim)	7.971	114	1023484	10.000	ng	0.00
104) Chlorobenzene-d5(sim)	10.513	82	536984	10.000	ng	0.00
System Monitoring Compounds						
62) % Bromofluorobenzene	11.359	95	621184	9.401	ppbv	0.00
Spiked Amount	10.000	Range	70 - 130	Recovery	=	94.00%

Target Compounds	Qvalue

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

Data Path : H:\AIR2020\CHEM20\06JUN\24\
Data File : 0624_20.D
Acq On : 24 Jun 2020 11:55 pm
Operator :
Client ID : CANISTER BLK 13638
Lab ID : CANISTER BLK 13638
ALS Vial : 47 Sample Multiplier: 1

Quant Time: Jun 25 09:17:50 2020
Quant Method : H:\AIR2020\CHEM20\METHODS\20_AIR_0615.M
Quant Title : VOA Standards for 5 point calibration
Last Update : Mon Jun 15 14:41:22 2020
Response via : Initial Calibration



CANISTER BLK 18258

ppbv

CAS NO.

COMPOUND

CONC.

Q

MDL

PQL

R

Data Path : H:\AIR2020\CHEM20\06JUN\24\
 Data File : 0624_12.D
 Acq On : 24 Jun 2020 6:44 pm
 Operator :
 Client ID : CANISTER BLK 18258
 Lab ID : CANISTER BLK 18258
 ALS Vial : 40 Sample Multiplier: 1

Quant Time: Jun 25 09:17:15 2020
 Quant Method : H:\AIR2020\CHEM20\METHODS\20_AIR_0615.M
 Quant Title : VOA Standards for 5 point calibration
 QLast Update : Mon Jun 15 14:41:22 2020
 Response via : Initial Calibration

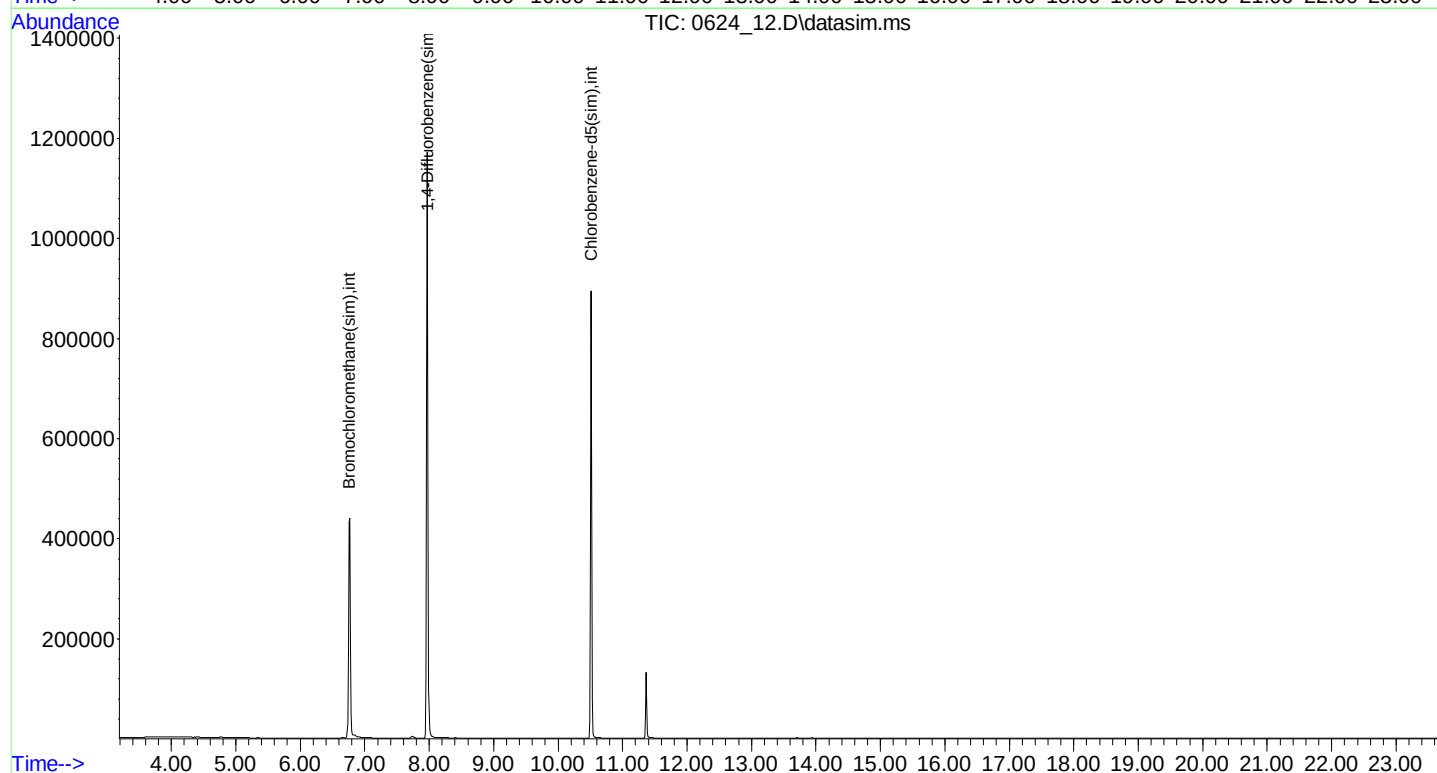
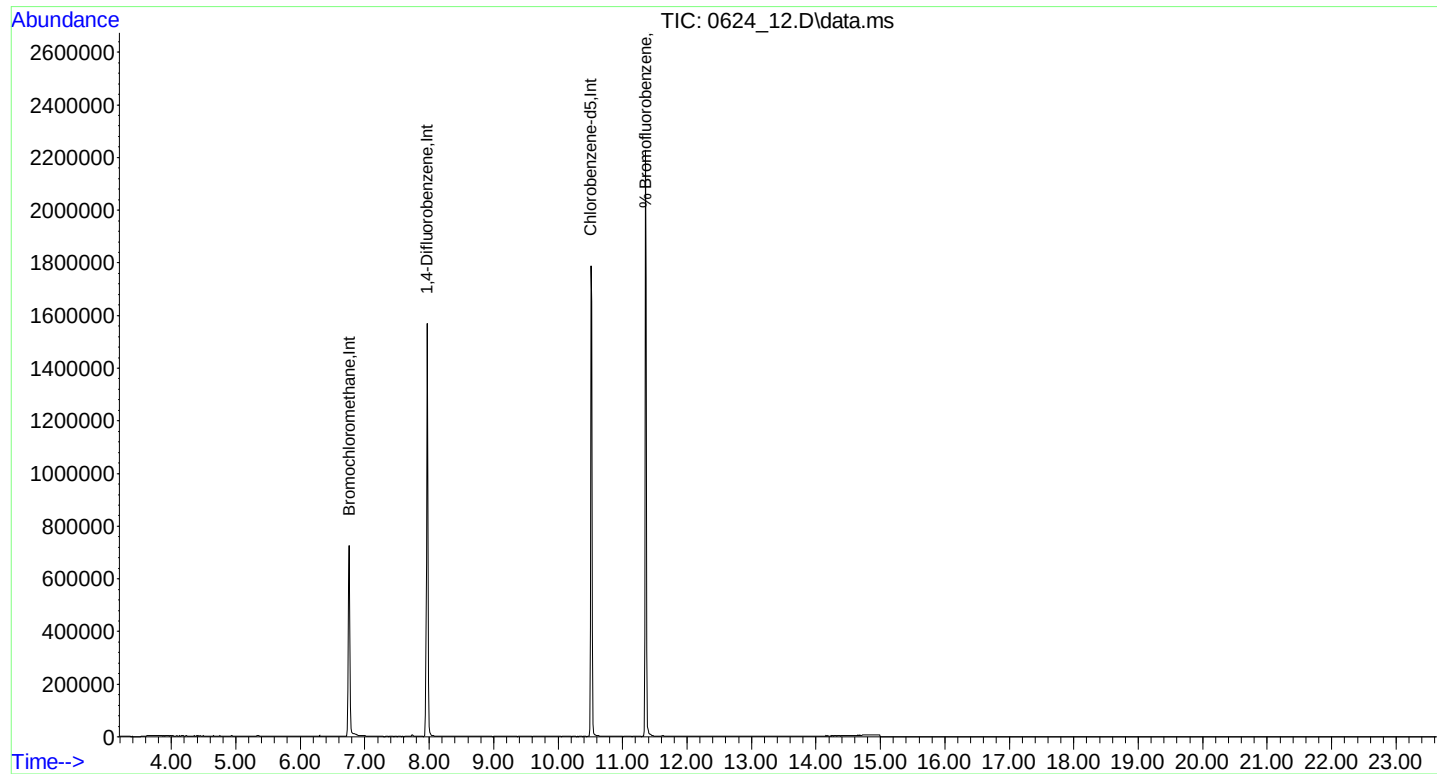
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	6.759	130	219091	10.000	ng	0.00
36) 1,4-Difluorobenzene	7.965	114	861041	10.000	ng	0.00
53) Chlorobenzene-d5	10.508	82	473607	10.000	ng	-0.01
80) Bromochloromethane(sim)	6.765	130	242632	10.000	ng	# 0.00
94) 1,4-Difluorobenzene(sim)	7.971	114	1000111	10.000	ng	0.00
104) Chlorobenzene-d5(sim)	10.513	82	526465	10.000	ng	0.00
System Monitoring Compounds						
62) % Bromofluorobenzene	11.358	95	598286	9.372	ppbv	0.00
Spiked Amount	10.000	Range	70 - 130	Recovery	=	93.70%

Target Compounds	Qvalue

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

Data Path : H:\AIR2020\CHEM20\06JUN\24\
Data File : 0624_12.D
Acq On : 24 Jun 2020 6:44 pm
Operator :
Client ID : CANISTER BLK 18258
Lab ID : CANISTER BLK 18258
ALS Vial : 40 Sample Multiplier: 1

Quant Time: Jun 25 09:17:15 2020
Quant Method : H:\AIR2020\CHEM20\METHODS\20_AIR_0615.M
Quant Title : VOA Standards for 5 point calibration
Last Update : Mon Jun 15 14:41:22 2020
Response via : Initial Calibration



CANISTER BLK 19628

ppbv

CAS NO.

COMPOUND

CONC.

Q

MDL

PQL

R

Data Path : H:\AIR2020\CHEM20\07JUL\10\
Data File : 0710_37.D
Acq On : 11 Jul 2020 10:30 am
Operator :
Client ID : CANISTER BLK 19628
Lab ID : CANISTER BLK 19628
ALS Vial : 34 Sample Multiplier: 1

Quant Time: Jul 13 09:19:05 2020
Quant Method : H:\AIR2020\CHEM20\METHODS\20_AIR_0710.M
Quant Title : VOA Standards for 5 point calibration
Qlast Update : Mon Jul 13 09:14:13 2020
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	6.742	130	94907	10.000	ng	-0.02
36) 1,4-Difluorobenzene	7.957	114	330259	10.000	ng	-0.01
53) Chlorobenzene-d5	10.502	82	177612	10.000	ng	-0.01
80) Bromochloromethane(sim)	6.747	130	107004	10.000	ng	#-0.02
94) 1,4-Difluorobenzene(sim)	7.952	114	380557	10.000	ng	-0.02
104) Chlorobenzene-d5(sim)	10.507	82	194399	10.000	ng	0.00
System Monitoring Compounds						
62) % Bromofluorobenzene	11.352	95	235632	9.854	ppbv	0.00
Spiked Amount	10.000	Range	70 - 130	Recovery	=	98.50%

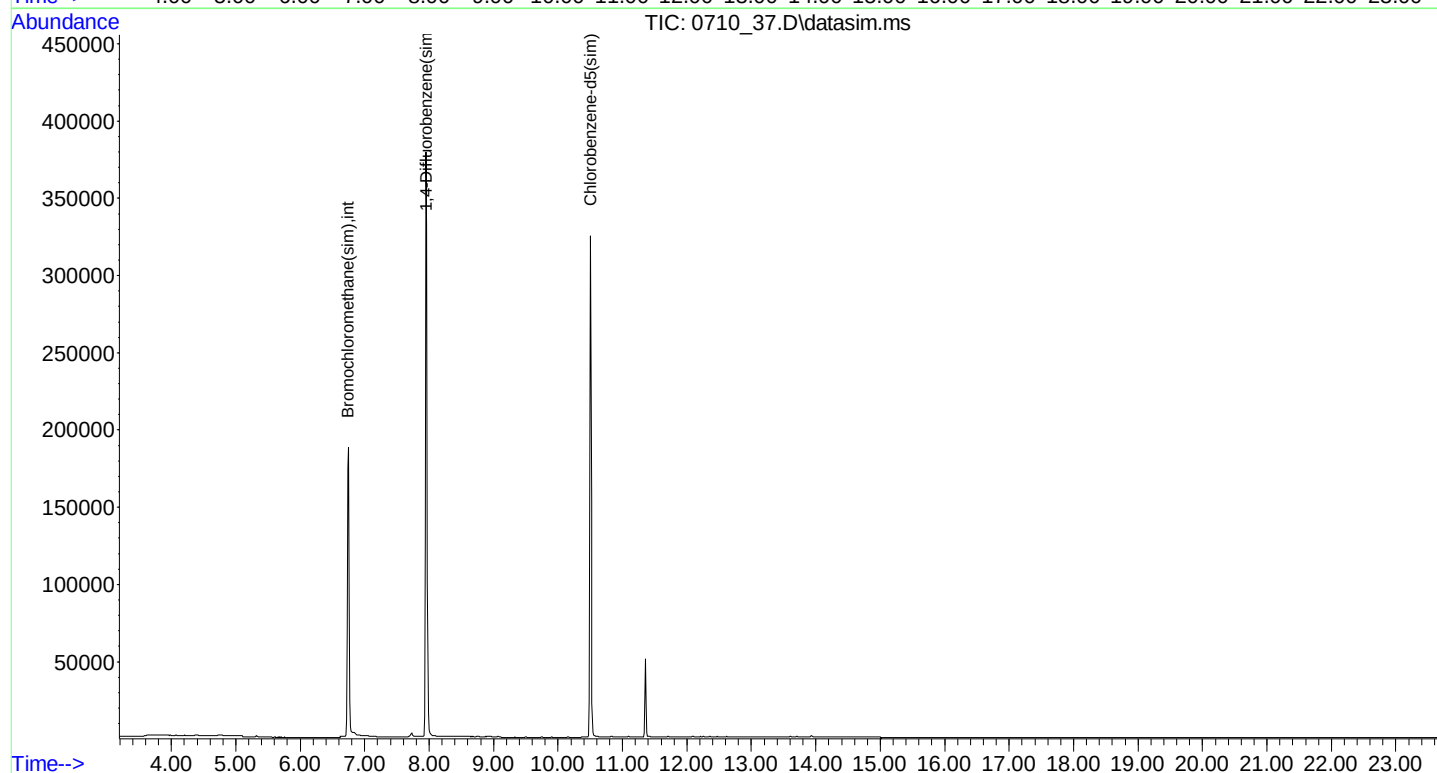
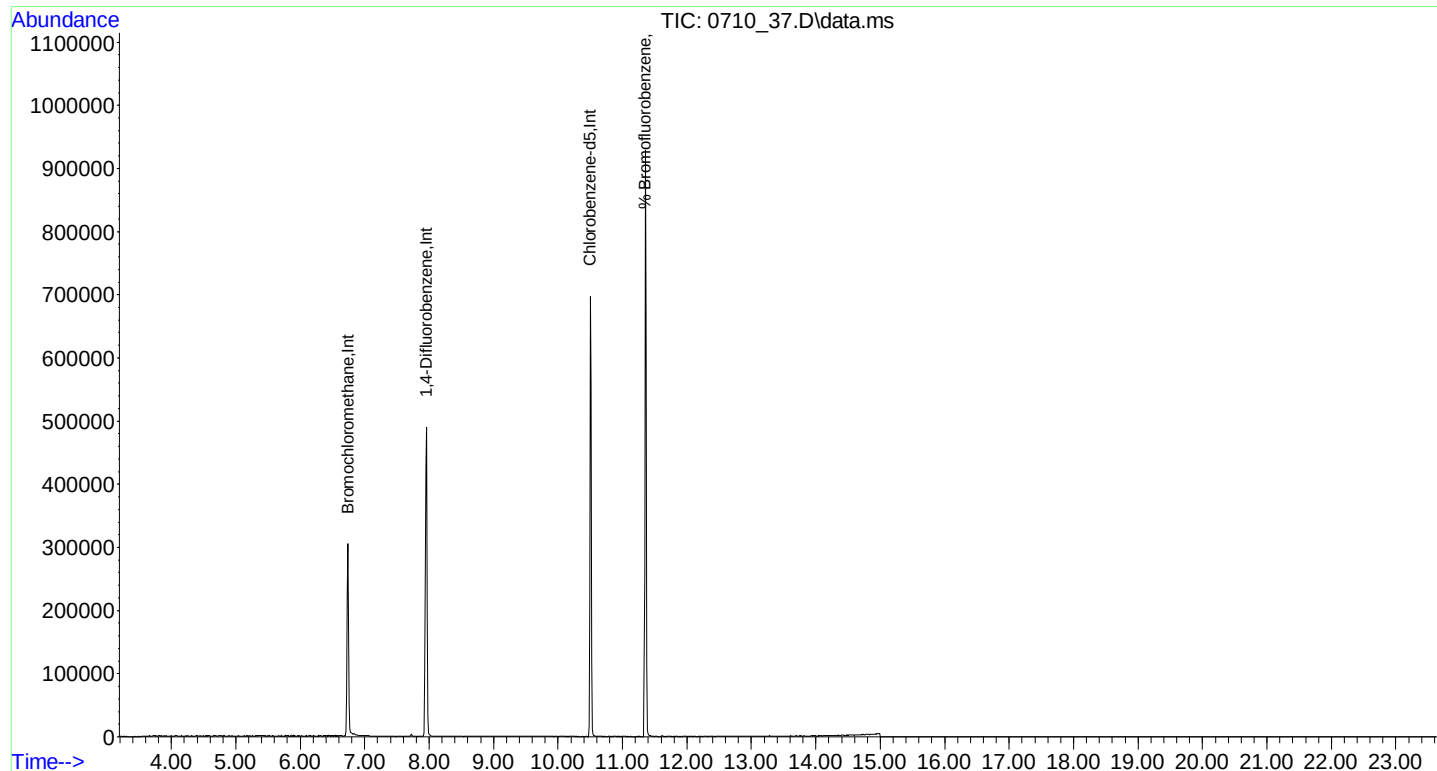
Target Compounds	Qvalue

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

Quantitation Report (QT Reviewed)

Data Path : H:\AIR2020\CHEM20\07JUL\10\
 Data File : 0710_37.D
 Acq On : 11 Jul 2020 10:30 am
 Operator :
 Client ID : CANISTER BLK 19628
 Lab ID : CANISTER BLK 19628
 ALS Vial : 34 Sample Multiplier: 1

Quant Time: Jul 13 09:19:05 2020
 Quant Method : H:\AIR2020\CHEM20\METHODS\20_AIR_0710.M
 Quant Title : VOA Standards for 5 point calibration
 Last Update : Mon Jul 13 09:14:13 2020
 Response via : Initial Calibration



Data Path : H:\AIR2020\CHEM20\06JUN\24\
Data File : 0624_13.D
Acq On : 24 Jun 2020 7:23 pm
Operator :
Client ID : CANISTER BLK 23329
Lab ID : CANISTER BLK 23329
ALS Vial : 41 Sample Multiplier: 1

Quant Time: Jun 25 09:17:19 2020
Quant Method : H:\AIR2020\CHEM20\METHODS\20_AIR_0615.M
Quant Title : VOA Standards for 5 point calibration
QLast Update : Mon Jun 15 14:41:22 2020
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	6.759	130	221218	10.000	ng	0.00
36) 1,4-Difluorobenzene	7.965	114	862632	10.000	ng	0.00
53) Chlorobenzene-d5	10.508	82	475778	10.000	ng	-0.01
80) Bromochloromethane(sim)	6.765	130	244037	10.000	ng	# 0.00
94) 1,4-Difluorobenzene(sim)	7.971	114	1000817	10.000	ng	0.00
104) Chlorobenzene-d5(sim)	10.513	82	528978	10.000	ng	0.00
System Monitoring Compounds						
62) % Bromofluorobenzene	11.358	95	607288	9.470	ppbv	0.00
Spiked Amount	10.000	Range	70 - 130	Recovery	=	94.70%

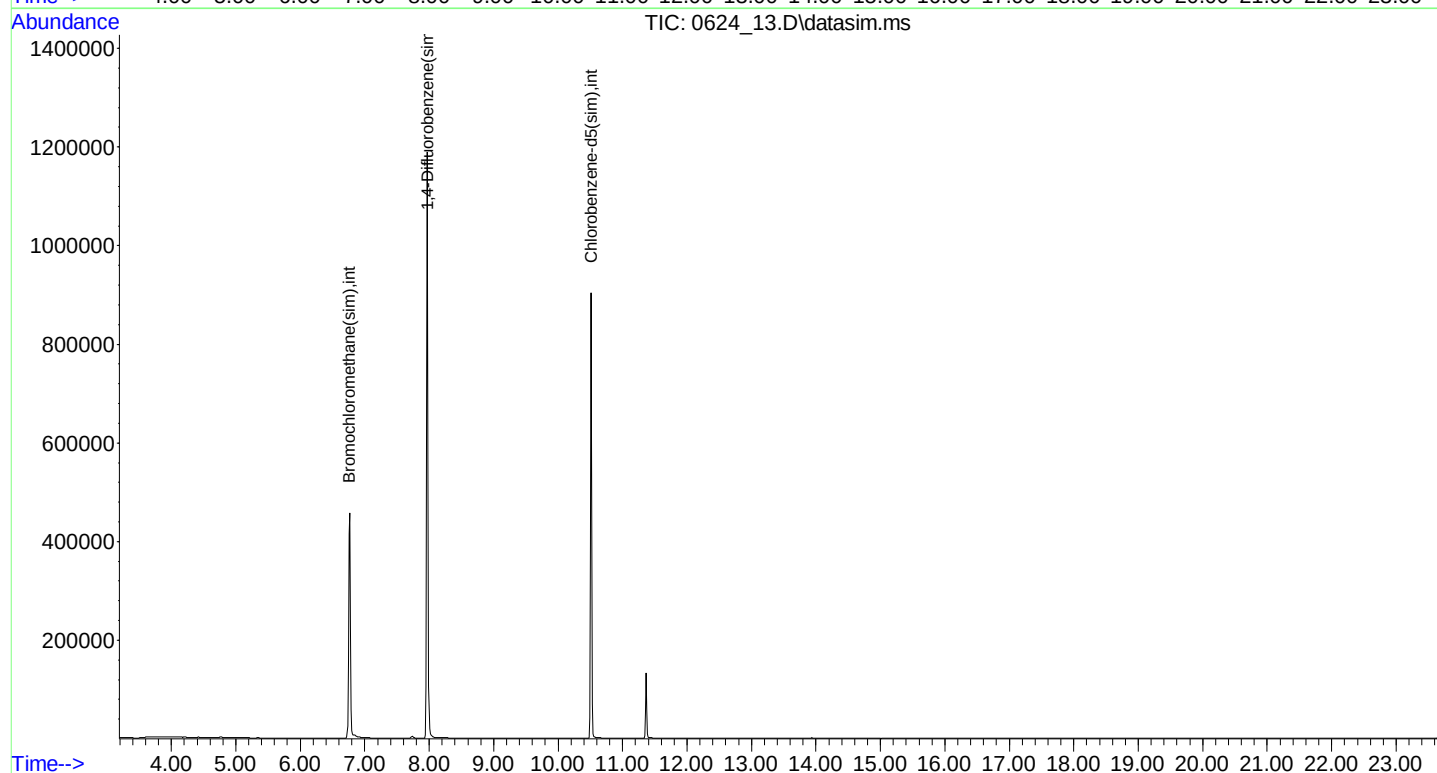
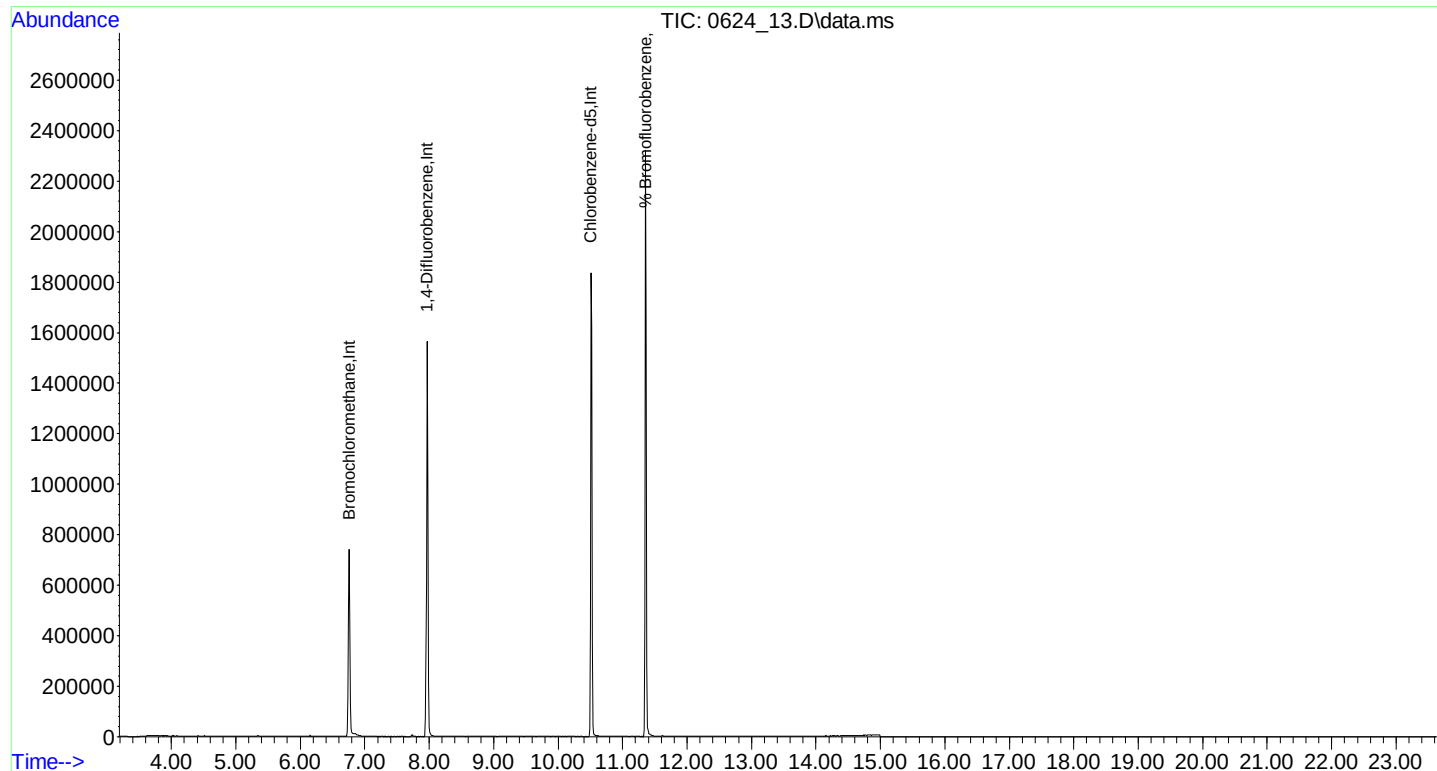
Target Compounds	Qvalue

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

Quantitation Report (QT Reviewed)

Data Path : H:\AIR2020\CHEM20\06JUN\24\
 Data File : 0624_13.D
 Acq On : 24 Jun 2020 7:23 pm
 Operator :
 Client ID : CANISTER BLK 23329
 Lab ID : CANISTER BLK 23329
 ALS Vial : 41 Sample Multiplier: 1

Quant Time: Jun 25 09:17:19 2020
 Quant Method : H:\AIR2020\CHEM20\METHODS\20_AIR_0615.M
 Quant Title : VOA Standards for 5 point calibration
 Last Update : Mon Jun 15 14:41:22 2020
 Response via : Initial Calibration



Client:	WALDENE-IPARK	Lab:	Phoenix Env. Labs
SDG No.:	GCG52615	Lab Sample ID:	CANISTER BLK 23336
Canister:	CANBL	Lab File ID:	0624_11.D
Instrument:	CHEM20	Column:	
Purge Volume	200	(cc)	
Date Received:		Date Analyzed:	06/24/20
Matrix:	AIR	Dilution Factor:	1

CONCENTRATION UNITS: (ppbv or ug/m3) ppbv

[illegible]

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:\AIR2020\CHEM20\06JUN\24\
Data File : 0624_11.D
Acq On : 24 Jun 2020 6:05 pm
Operator :
Client ID : CANISTER BLK 23336
Lab ID : CANISTER BLK 23336
ALS Vial : 39 Sample Multiplier: 1

Quant Time: Jun 25 09:17:11 2020
Quant Method : H:\AIR2020\CHEM20\METHODS\20_AIR_0615.M
Quant Title : VOA Standards for 5 point calibration
QLast Update : Mon Jun 15 14:41:22 2020
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	6.759	130	224980	10.000	ng	0.00
36) 1,4-Difluorobenzene	7.965	114	881838	10.000	ng	0.00
53) Chlorobenzene-d5	10.508	82	486458	10.000	ng	-0.01
80) Bromochloromethane(sim)	6.754	130	248164	10.000	ng	#-0.01
94) 1,4-Difluorobenzene(sim)	7.971	114	1028812	10.000	ng	0.00
104) Chlorobenzene-d5(sim)	10.513	82	540884	10.000	ng	0.00
System Monitoring Compounds						
62) % Bromofluorobenzene	11.359	95	622627	9.496	ppbv	0.00
Spiked Amount	10.000	Range	70 - 130	Recovery	=	95.00%

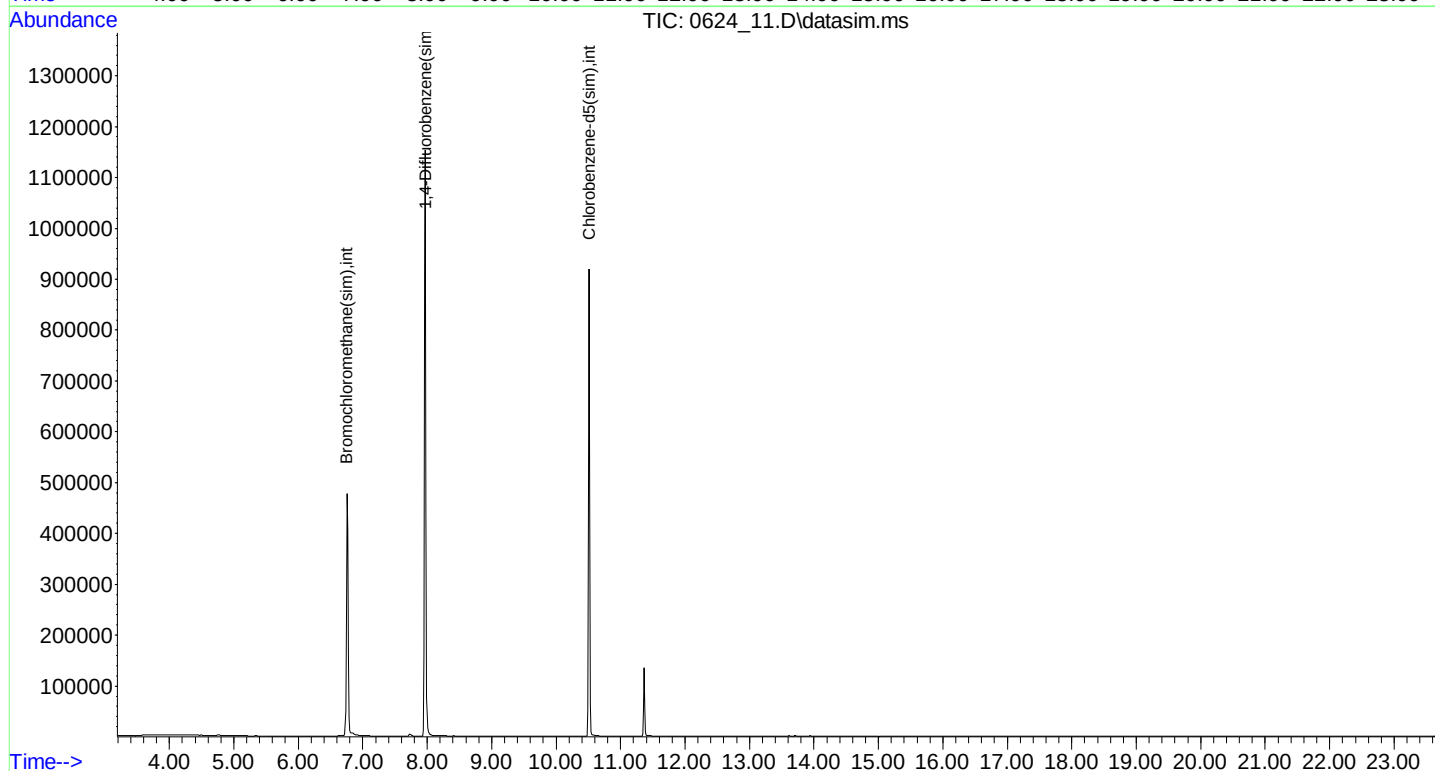
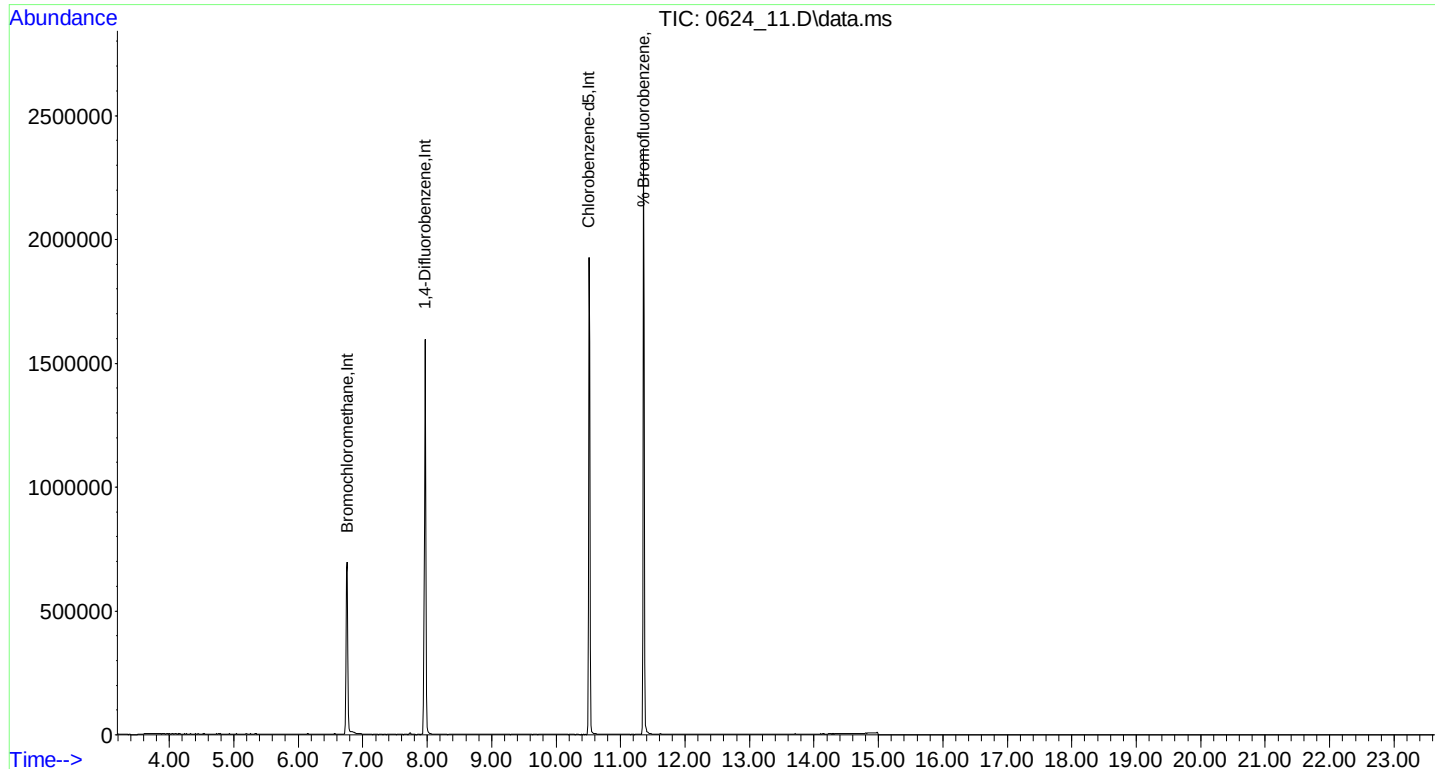
Target Compounds	Qvalue

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

Quantitation Report (QT Reviewed)

Data Path : H:\AIR2020\CHEM20\06JUN\24\
 Data File : 0624_11.D
 Acq On : 24 Jun 2020 6:05 pm
 Operator :
 Client ID : CANISTER BLK 23336
 Lab ID : CANISTER BLK 23336
 ALS Vial : 39 Sample Multiplier: 1

Quant Time: Jun 25 09:17:11 2020
 Quant Method : H:\AIR2020\CHEM20\METHODS\20_AIR_0615.M
 Quant Title : VOA Standards for 5 point calibration
 Last Update : Mon Jun 15 14:41:22 2020
 Response via : Initial Calibration



Client:	WALDENE-IPARK	Lab:	Phoenix Env. Labs
SDG No.:	GCG52615	Lab Sample ID:	CANISTER BLK 28556
Canister:	CANBL	Lab File ID:	0710_30.D
Instrument:	CHEM20	Column:	
Purge Volume	200 (cc)	Date Received:	
		Date Analyzed:	07/11/20
Matrix:	AIR	Dilution Factor:	1

CONCENTRATION UNITS: (ppbv or ug/m3) ppbv

[illegible]

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:\AIR2020\CHEM20\07JUL\10\
Data File : 0710_30.D
Acq On : 11 Jul 2020 5:59 am
Operator :
Client ID : CANISTER BLK 28556
Lab ID : CANISTER BLK 28556
ALS Vial : 27 Sample Multiplier: 1

Quant Time: Jul 13 09:18:26 2020
Quant Method : H:\AIR2020\CHEM20\METHODS\20_AIR_0710.M
Quant Title : VOA Standards for 5 point calibration
Qlast Update : Mon Jul 13 09:14:13 2020
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	6.742	130	98545	10.000	ng	-0.02
36) 1,4-Difluorobenzene	7.946	114	375325	10.000	ng	-0.02
53) Chlorobenzene-d5	10.502	82	196330	10.000	ng	-0.01
80) Bromochloromethane(sim)	6.737	130	109865	10.000	ng	#-0.03
94) 1,4-Difluorobenzene(sim)	7.952	114	431101	10.000	ng	-0.02
104) Chlorobenzene-d5(sim)	10.507	82	217559	10.000	ng	0.00
System Monitoring Compounds						
62) % Bromofluorobenzene	11.352	95	265116	10.030	ppbv	0.00
Spiked Amount	10.000	Range	70 - 130	Recovery	=	100.30%

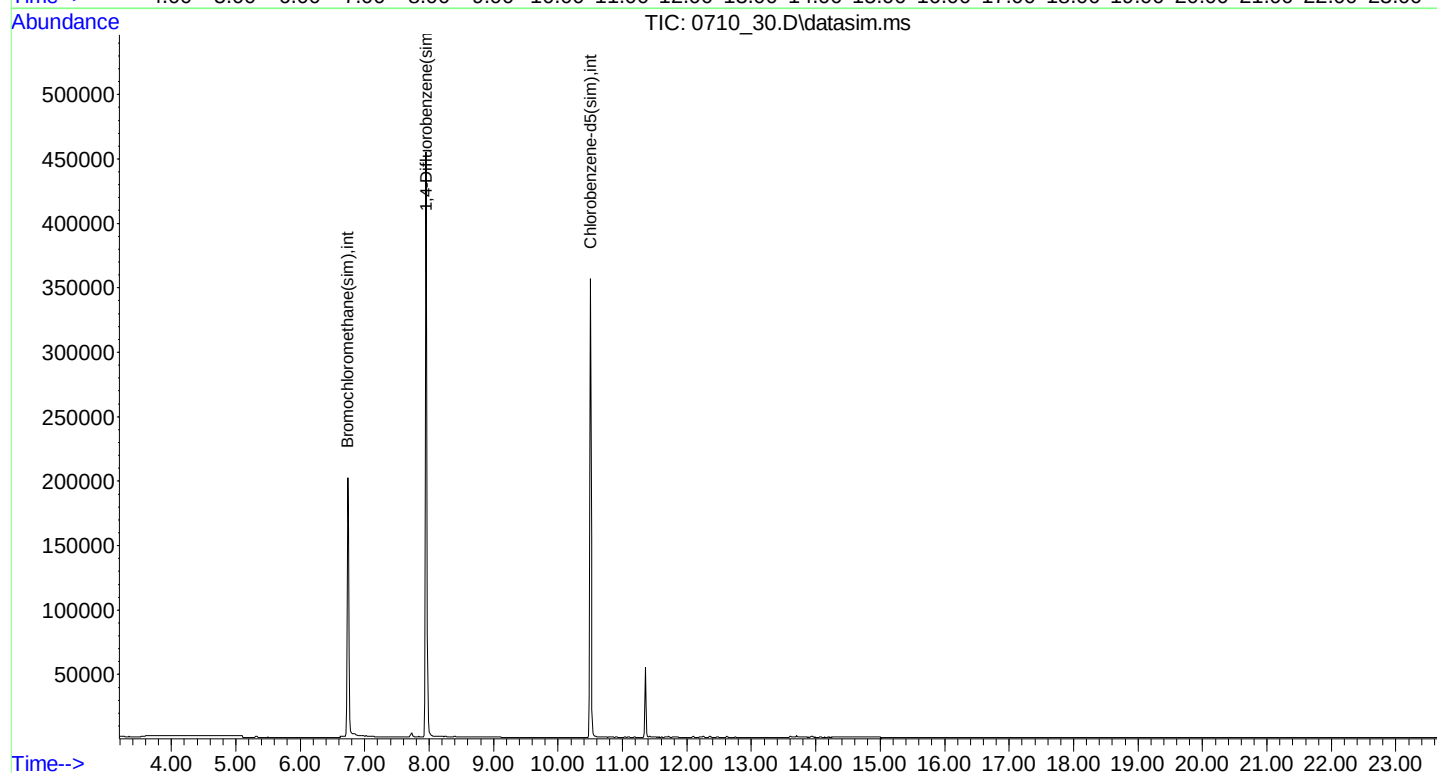
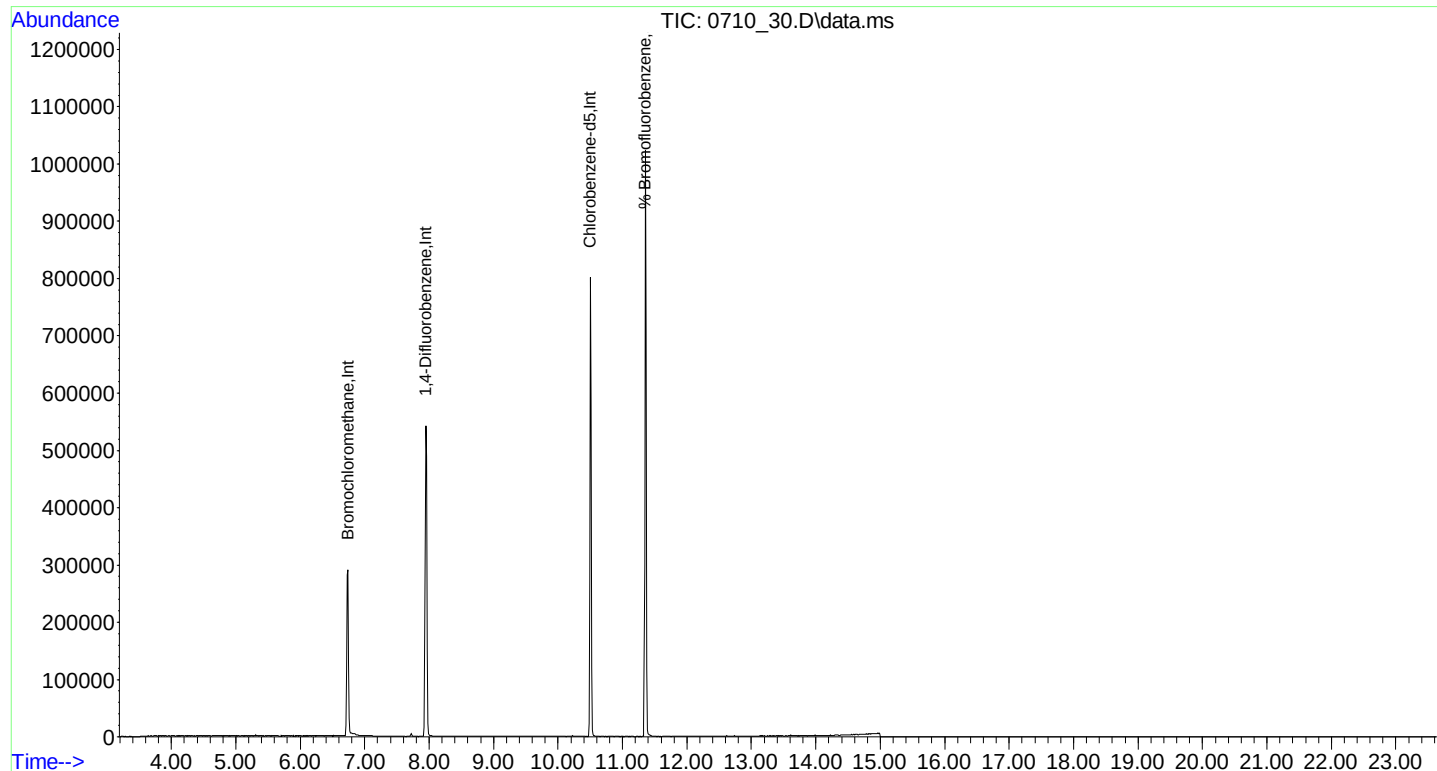
Target Compounds	Qvalue

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

Quantitation Report (QT Reviewed)

Data Path : H:\AIR2020\CHEM20\07JUL\10\
 Data File : 0710_30.D
 Acq On : 11 Jul 2020 5:59 am
 Operator :
 Client ID : CANISTER BLK 28556
 Lab ID : CANISTER BLK 28556
 ALS Vial : 27 Sample Multiplier: 1

Quant Time: Jul 13 09:18:26 2020
 Quant Method : H:\AIR2020\CHEM20\METHODS\20_AIR_0710.M
 Quant Title : VOA Standards for 5 point calibration
 Last Update : Mon Jul 13 09:14:13 2020
 Response via : Initial Calibration



Client:	WALDENE-IPARK	Lab:	Phoenix Env. Labs
SDG No.:	GCG52615	Lab Sample ID:	CANISTER BLK 28565
Canister:	CANBL	Lab File ID:	0624_10.D
Instrument:	CHEM20	Column:	
Purge Volume	200 (cc)	Date Received:	
		Date Analyzed:	06/24/20
Matrix:	AIR	Dilution Factor:	1

CONCENTRATION UNITS: (ppbv or ug/m3) ppbv

[illegible]

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:\AIR2020\CHEM20\06JUN\24\
Data File : 0624_10.D
Acq On : 24 Jun 2020 5:26 pm
Operator :
Client ID : CANISTER BLK 28565
Lab ID : CANISTER BLK 28565
ALS Vial : 38 Sample Multiplier: 1

Quant Time: Jun 25 09:17:07 2020
Quant Method : H:\AIR2020\CHEM20\METHODS\20_AIR_0615.M
Quant Title : VOA Standards for 5 point calibration
QLast Update : Mon Jun 15 14:41:22 2020
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	6.749	130	224883	10.000	ng	-0.01
36) 1,4-Difluorobenzene	7.965	114	878577	10.000	ng	0.00
53) Chlorobenzene-d5	10.508	82	479350	10.000	ng	-0.01
80) Bromochloromethane(sim)	6.754	130	245516	10.000	ng	#-0.01
94) 1,4-Difluorobenzene(sim)	7.971	114	1024737	10.000	ng	0.00
104) Chlorobenzene-d5(sim)	10.513	82	533678	10.000	ng	0.00
System Monitoring Compounds						
62) % Bromofluorobenzene	11.359	95	620303	9.601	ppbv	0.00
Spiked Amount	10.000	Range	70 - 130	Recovery	=	96.00%

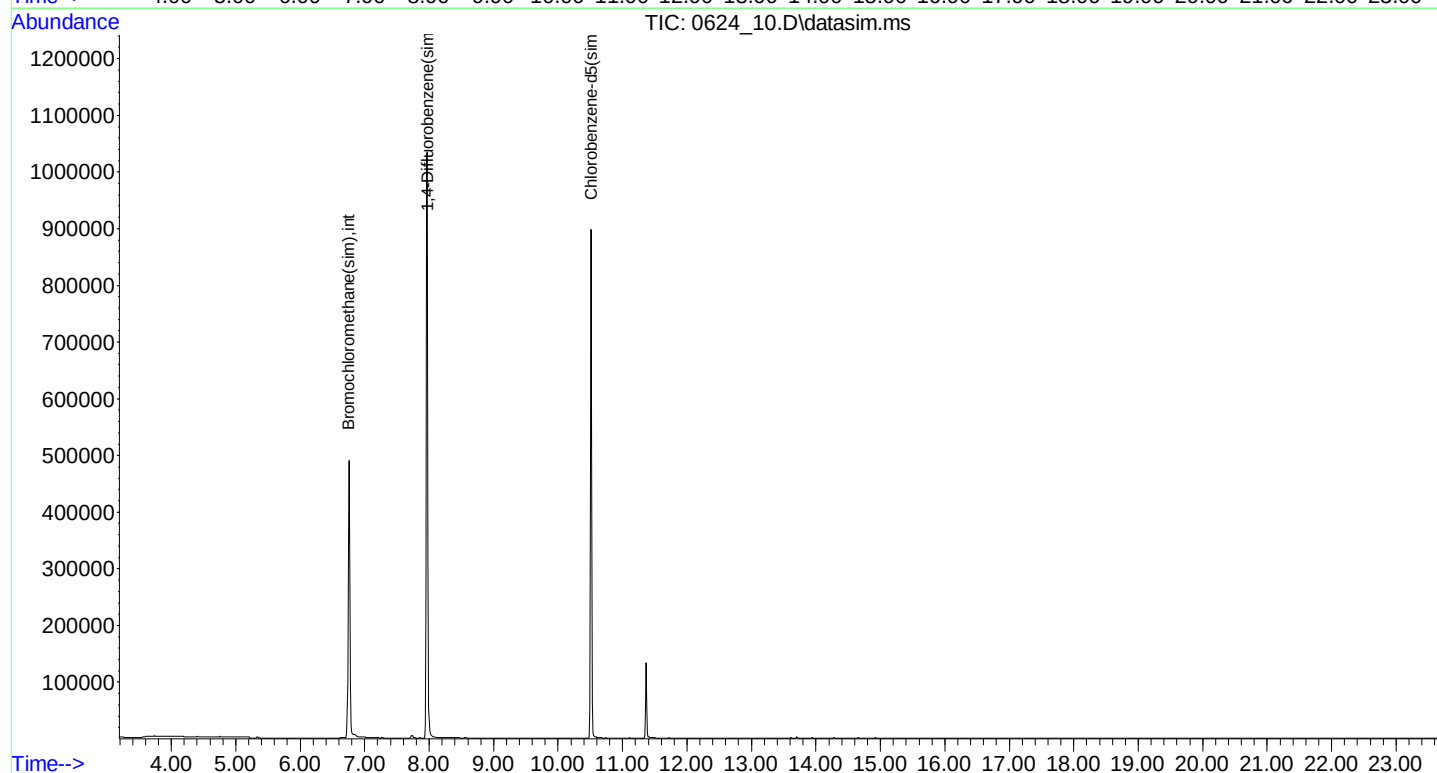
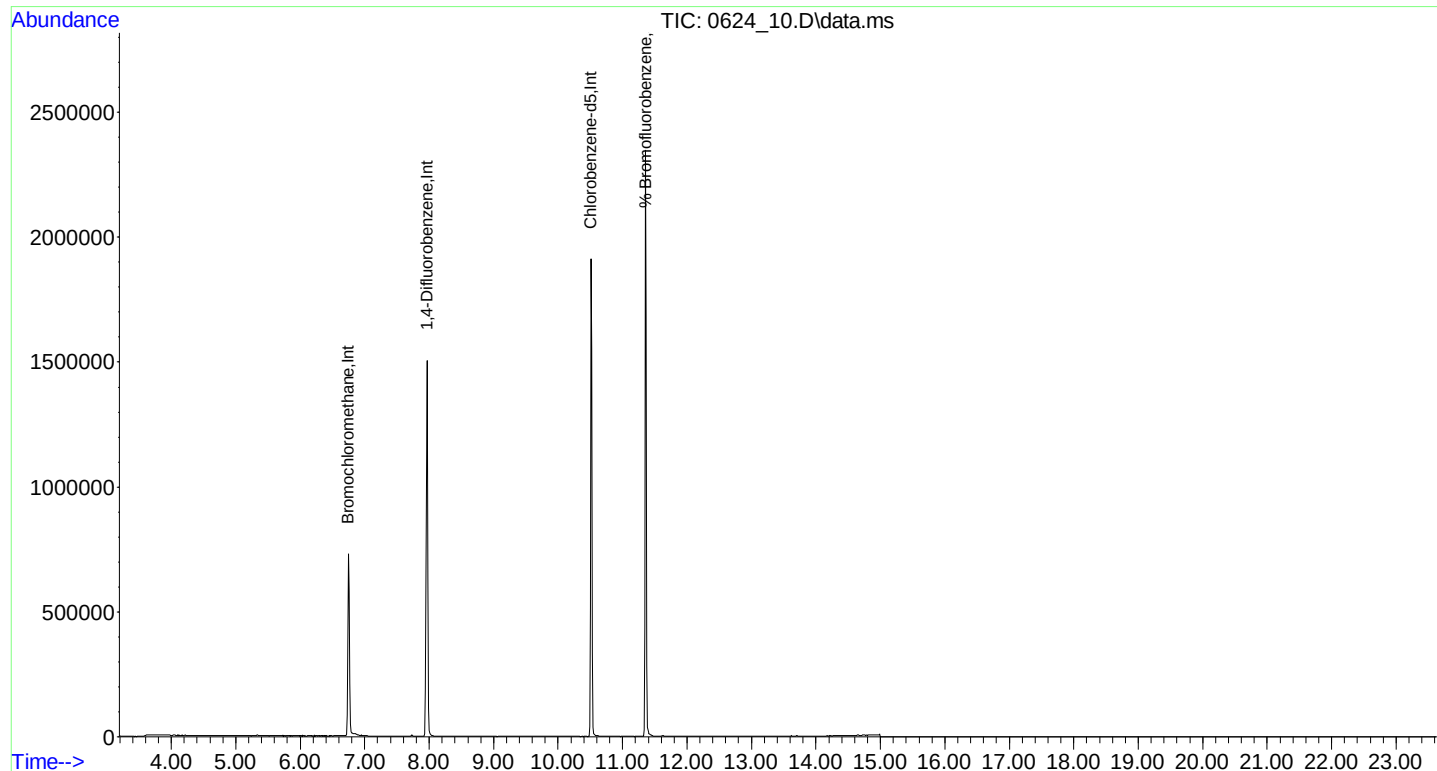
Target Compounds Qvalue

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

Quantitation Report (QT Reviewed)

Data Path : H:\AIR2020\CHEM20\06JUN\24\
 Data File : 0624_10.D
 Acq On : 24 Jun 2020 5:26 pm
 Operator :
 Client ID : CANISTER BLK 28565
 Lab ID : CANISTER BLK 28565
 ALS Vial : 38 Sample Multiplier: 1

Quant Time: Jun 25 09:17:07 2020
 Quant Method : H:\AIR2020\CHEM20\METHODS\20_AIR_0615.M
 Quant Title : VOA Standards for 5 point calibration
 Last Update : Mon Jun 15 14:41:22 2020
 Response via : Initial Calibration



Client:	WALDENE-IPARK	Lab:	Phoenix Env. Labs
SDG No.:	GCG52615	Lab Sample ID:	CANISTER BLK 28566
Canister:	CANBL	Lab File ID:	0710_31.D
Instrument:	CHEM20	Column:	
Purge Volume	200 (cc)	Date Received:	
		Date Analyzed:	07/11/20
Matrix:	AIR	Dilution Factor:	1

CONCENTRATION UNITS: (ppbv or ug/m3) ppbv

[illegible]

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:\AIR2020\CHEM20\07JUL\10\
 Data File : 0710_31.D
 Acq On : 11 Jul 2020 6:38 am
 Operator :
 Client ID : CANISTER BLK 28566
 Lab ID : CANISTER BLK 28566
 ALS Vial : 28 Sample Multiplier: 1

Quant Time: Jul 13 09:18:32 2020
 Quant Method : H:\AIR2020\CHEM20\METHODS\20_AIR_0710.M
 Quant Title : VOA Standards for 5 point calibration
 Qlast Update : Mon Jul 13 09:14:13 2020
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	6.752	130	97164	10.000	ng	0.00
36) 1,4-Difluorobenzene	7.958	114	366859	10.000	ng	-0.01
53) Chlorobenzene-d5	10.502	82	191660	10.000	ng	-0.01
80) Bromochloromethane(sim)	6.758	130	108016	10.000	ng	#-0.01
94) 1,4-Difluorobenzene(sim)	7.963	114	418886	10.000	ng	-0.01
104) Chlorobenzene-d5(sim)	10.507	82	212691	10.000	ng	0.00
System Monitoring Compounds						
62) % Bromofluorobenzene	11.352	95	256888	9.956	ppbv	0.00
Spiked Amount	10.000	Range	70 - 130	Recovery	=	99.60%

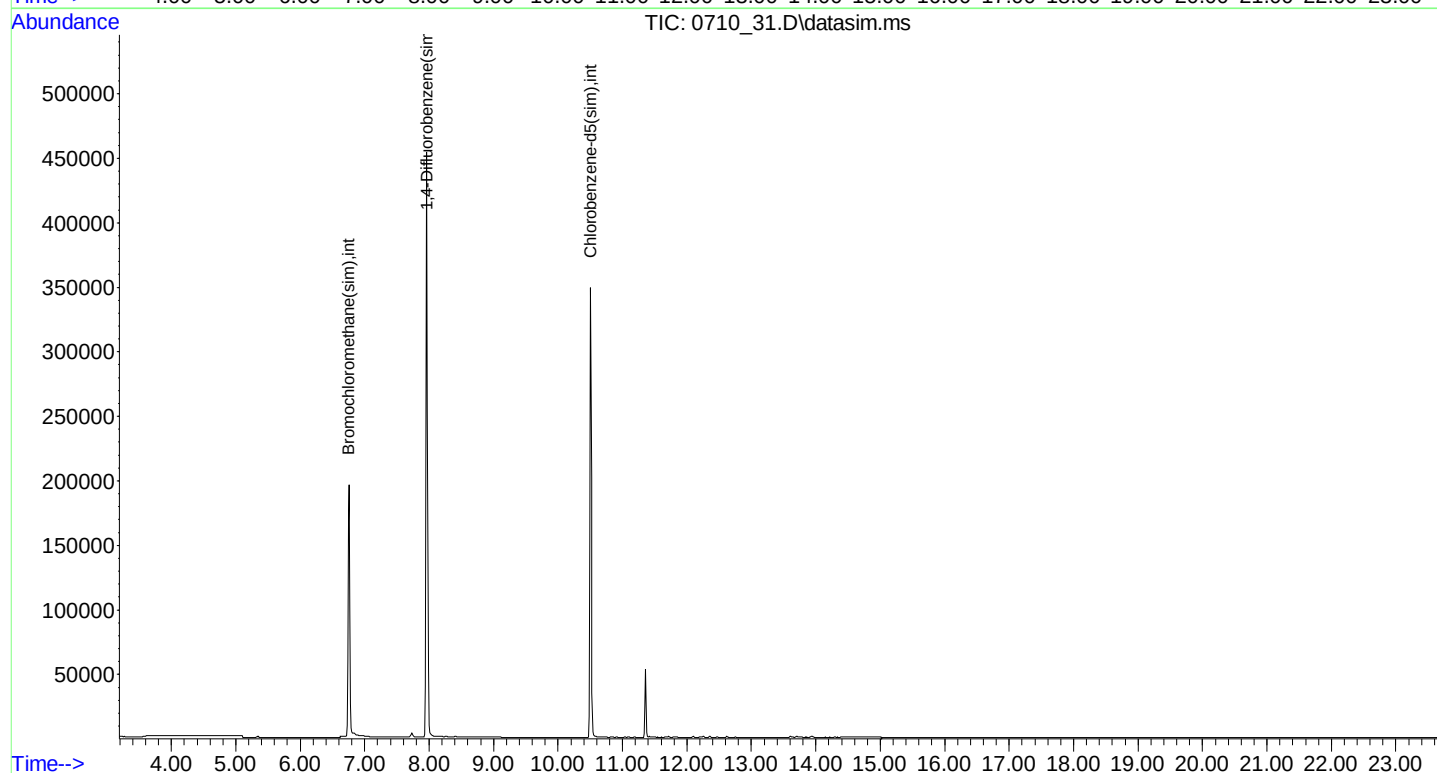
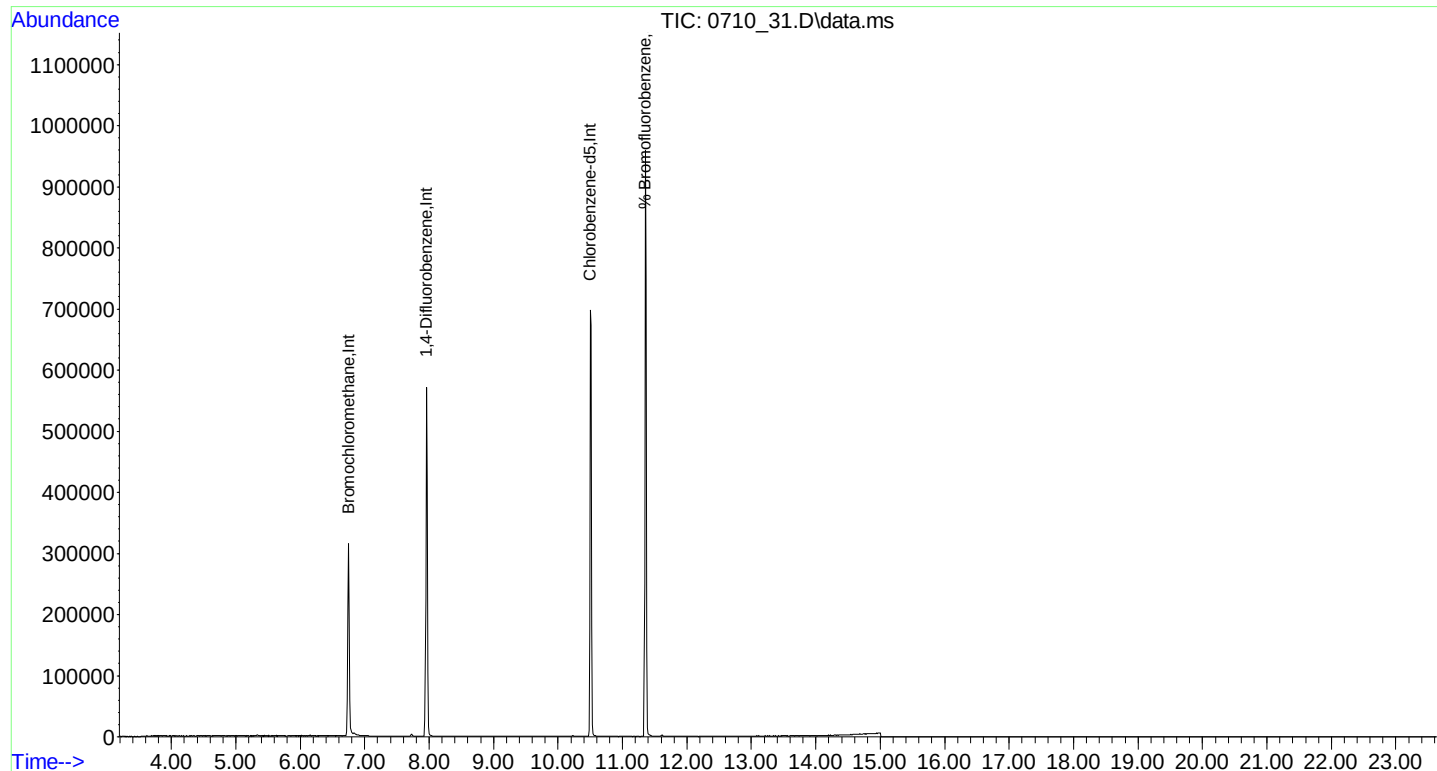
Target Compounds	Qvalue

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

Quantitation Report (QT Reviewed)

Data Path : H:\AIR2020\CHEM20\07JUL\10\
 Data File : 0710_31.D
 Acq On : 11 Jul 2020 6:38 am
 Operator :
 Client ID : CANISTER BLK 28566
 Lab ID : CANISTER BLK 28566
 ALS Vial : 28 Sample Multiplier: 1

Quant Time: Jul 13 09:18:32 2020
 Quant Method : H:\AIR2020\CHEM20\METHODS\20_AIR_0710.M
 Quant Title : VOA Standards for 5 point calibration
 Last Update : Mon Jul 13 09:14:13 2020
 Response via : Initial Calibration



CANISTER BLK 28608

ppbv

CAS NO.

COMPOUND

CONC.

Q

MDL

PQL

R

Data Path : H:\AIR2020\CHEM20\06JUN\24\
 Data File : 0624_14.D
 Acq On : 24 Jun 2020 8:02 pm
 Operator :
 Client ID : CANISTER BLK 28608
 Lab ID : CANISTER BLK 28608
 ALS Vial : 42 Sample Multiplier: 1

Quant Time: Jun 25 09:17:23 2020
 Quant Method : H:\AIR2020\CHEM20\METHODS\20_AIR_0615.M
 Quant Title : VOA Standards for 5 point calibration
 QLast Update : Mon Jun 15 14:41:22 2020
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	6.748	130	223814	10.000	ng	-0.01
36) 1,4-Difluorobenzene	7.954	114	878690	10.000	ng	-0.01
53) Chlorobenzene-d5	10.508	82	487479	10.000	ng	-0.01
80) Bromochloromethane(sim)	6.754	130	250162	10.000	ng	#-0.01
94) 1,4-Difluorobenzene(sim)	7.960	114	1030253	10.000	ng	-0.01
104) Chlorobenzene-d5(sim)	10.513	82	541891	10.000	ng	0.00
System Monitoring Compounds						
62) % Bromofluorobenzene	11.358	95	618177	9.408	ppbv	0.00
Spiked Amount	10.000	Range	70 - 130	Recovery	=	94.10%

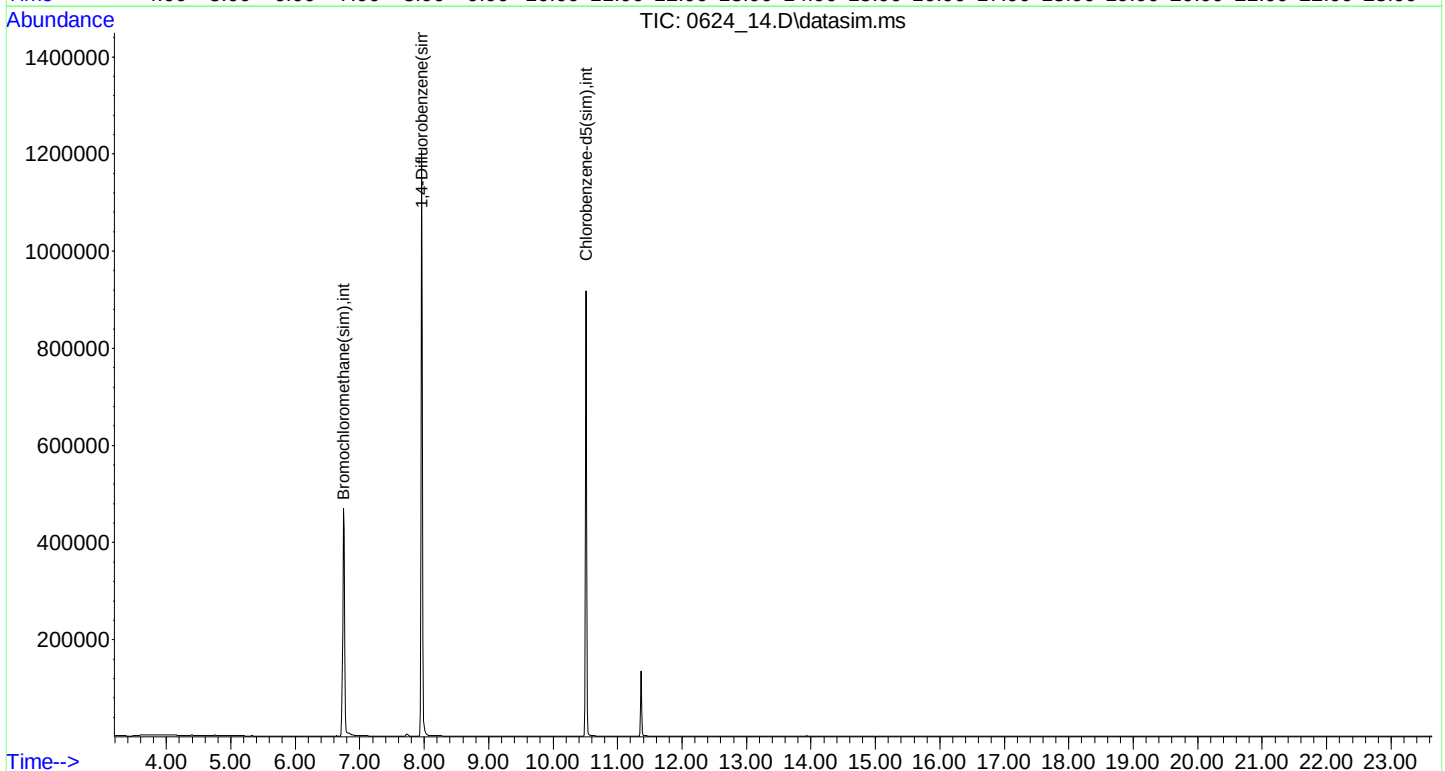
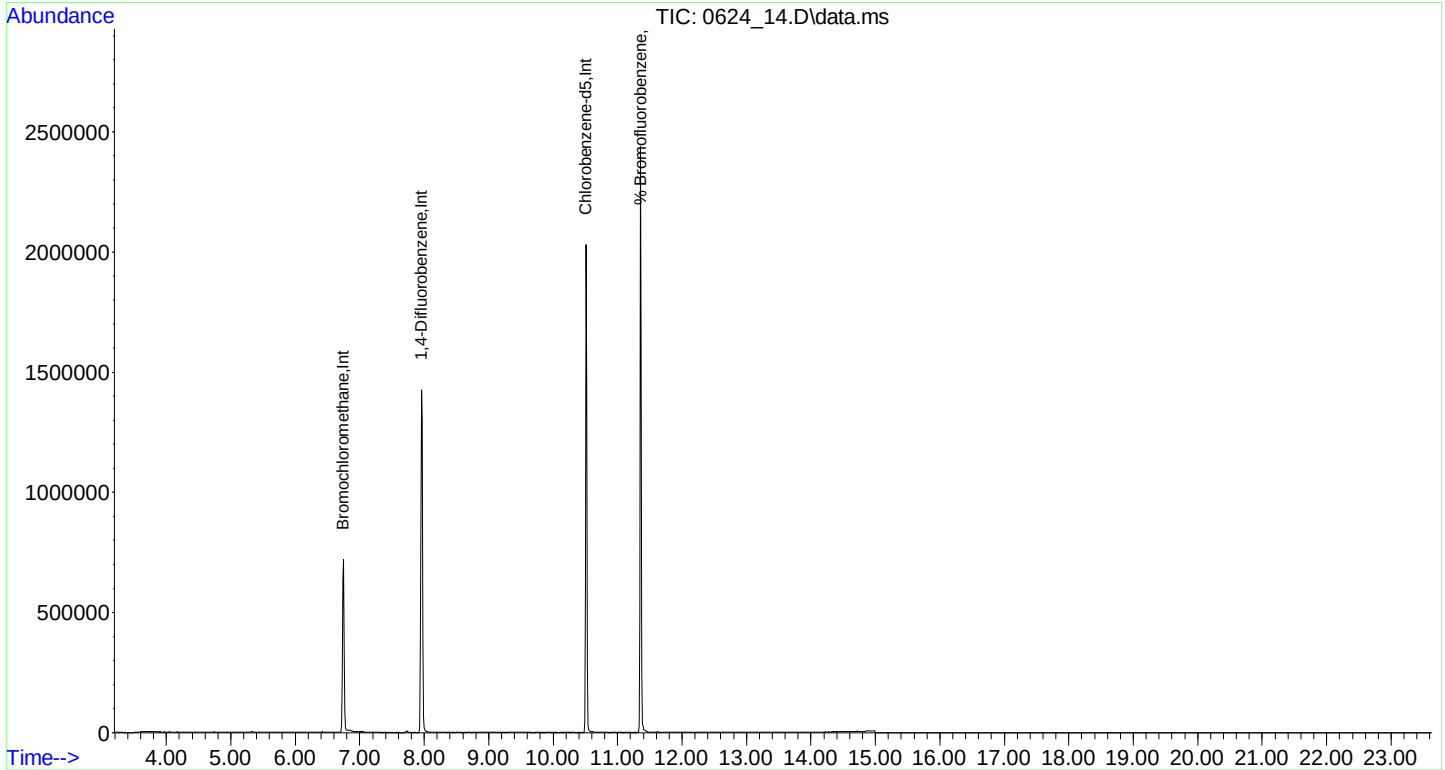
Target Compounds	Qvalue

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

Quantitation Report (QT Reviewed)

Data Path : H:\AIR2020\CHEM20\06JUN\24\
 Data File : 0624_14.D
 Acq On : 24 Jun 2020 8:02 pm
 Operator :
 Client ID : CANISTER BLK 28608
 Lab ID : CANISTER BLK 28608
 ALS Vial : 42 Sample Multiplier: 1

Quant Time: Jun 25 09:17:23 2020
 Quant Method : H:\AIR2020\CHEM20\METHODS\20_AIR_0615.M
 Quant Title : VOA Standards for 5 point calibration
 Last Update : Mon Jun 15 14:41:22 2020
 Response via : Initial Calibration



Injection Log

Data Directory: H:\AIR2020\CHEM20\06JUN\24\

Line	Vl	FileName	SampleName	MiscInfo	Injection Time
1)	33	0624_01.D	XXXXXXXXXX		06/24/20 11:28
2)	33	0624_02.D	XXXXXXXXXX		06/24/20 12:04
3)	33	0624_03.D	XXXXXXXXXX		06/24/20 12:43
4)	33	0624_04.D	XXXXXXXXXX		06/24/20 13:17
5)	33	0624_05.D	XXXXXXXXXX		06/24/20 13:52
6)	34	0624_06.D	XXXXXXXXXX		06/24/20 14:50
7)	35	0624_07.D	XXXXXXXXXX		06/24/20 15:29
8)	36	0624_08.D	XXXXXXXXXX		06/24/20 16:08
9)	37	0624_09.D	XXXXXXXXXX		06/24/20 16:47
10)	38	0624_10.D	CANISTER BLK 28565	CANISTER BLK 28565	06/24/20 17:26
11)	39	0624_11.D	CANISTER BLK 23336	CANISTER BLK 23336	06/24/20 18:05
12)	40	0624_12.D	CANISTER BLK 18258	CANISTER BLK 18258	06/24/20 18:44
13)	41	0624_13.D	CANISTER BLK 23329	CANISTER BLK 23329	06/24/20 19:23
14)	42	0624_14.D	CANISTER BLK 28608	CANISTER BLK 28608	06/24/20 20:02
15)	43	0624_15.D	XXXXXXXXXX		06/24/20 20:41
16)	44	0624_16.D	XXXXXXXXXX		06/24/20 21:20
17)	45	0624_17.D	XXXXXXXXXX		06/24/20 21:59
18)	46	0624_18.D	XXXXXXXXXX		06/24/20 22:37
19)	46	0624_19.D	XXXXXXXXXX		06/24/20 23:16
20)	47	0624_20.D	CANISTER BLK 13638	CANISTER BLK 13638	06/24/20 23:55
21)	48	0624_21.D	XXXXXXXXXX		06/25/20 0:33
22)	49	0624_22.D	XXXXXXXXXX		06/25/20 1:12
23)	50	0624_23.D	XXXXXXXXXX		06/25/20 1:50
24)	51	0624_24.D	XXXXXXXXXX		06/25/20 2:27
25)	52	0624_25.D	XXXXXXXXXX		06/25/20 3:04
26)	53	0624_26.D	XXXXXXXXXX		06/25/20 3:42
27)	54	0624_27.D	XXXXXXXXXX		06/25/20 4:16
28)	55	0624_28.D	XXXXXXXXXX		06/25/20 4:50
29)	56	0624_29.D	XXXXXXXXXX		06/25/20 9:52
30)	57	0624_30.D	XXXXXXXXXX		06/25/20 10:30
31)	58	0624_31.D	XXXXXXXXXX		06/25/20 11:09
32)	59	0624_32.D	XXXXXXXXXX		06/25/20 11:48
33)	60	0624_33.D	XXXXXXXXXX		06/25/20 12:27
34)	61	0624_34.D	XXXXXXXXXX		06/25/20 13:06
35)	62	0624_35.D	XXXXXXXXXX		06/25/20 13:46
36)	63	0624_36.D	XXXXXXXXXX		06/25/20 14:25
37)	64	0624_37.D	XXXXXXXXXX		06/25/20 15:04
38)	65	0624_38.D	XXXXXXXXXX		06/25/20 15:42
39)	66	0624_39.D	XXXXXXXXXX		06/25/20 16:21
40)	67	0624_40.D	XXXXXXXXXX		06/25/20 17:00
41)	68	0624_41.D	XXXXXXXXXX		06/25/20 17:39
42)	69	0624_42.D	XXXXXXXXXX		06/25/20 18:19
43)	70	0624_43.D	XXXXXXXXXX		06/25/20 19:00
44)	71	0624_44.D	XXXXXXXXXX		06/25/20 19:39
45)	72	0624_45.D	XXXXXXXXXX		06/25/20 20:18
46)	73	0624_46.D	XXXXXXXXXX		06/25/20 20:55

Injection Log

Data Directory: H:\AIR2020\CHEM20\07JUL\10\

Line	Vl	FileName	SampleName	MiscInfo	Injection Time
1)	0	0710_02.D	XXXXXXXXXX		N/A
2)	7	0710_01.D	XXXXXXXXXX		07/10/20 12:43
3)	9	0710_03.D	XXXXXXXXXX		07/10/20 13:52
4)	10	0710_04.D	XXXXXXXXXX		07/10/20 14:27
5)	8	0710_05.D	XXXXXXXXXX		07/10/20 15:02
6)	3	0710_06.D	XXXXXXXXXX		07/10/20 15:37
7)	4	0710_07.D	XXXXXXXXXX		07/10/20 16:13
8)	5	0710_08.D	XXXXXXXXXX		07/10/20 16:50
9)	6	0710_09.D	XXXXXXXXXX		07/10/20 17:26
10)	7	0710_10.D	XXXXXXXXXX		07/10/20 18:03
11)	8	0710_11.D	XXXXXXXXXX		07/10/20 18:41
12)	9	0710_12.D	XXXXXXXXXX		07/10/20 19:19
13)	10	0710_13.D	XXXXXXXXXX		07/10/20 19:55
14)	11	0710_14.D	XXXXXXXXXX		07/10/20 20:34
15)	12	0710_15.D	XXXXXXXXXX		07/10/20 21:13
16)	13	0710_16.D	XXXXXXXXXX		07/10/20 21:48
17)	14	0710_17.D	XXXXXXXXXX		07/10/20 22:24
18)	16	0710_18.D	XXXXXXXXXX		07/10/20 23:01
19)	17	0710_19.D	XXXXXXXXXX		07/10/20 23:40
20)	18	0710_21.D	XXXXXXXXXX		07/11/20 0:14
21)	19	0710_22.D	XXXXXXXXXX		07/11/20 0:49
22)	20	0710_23.D	XXXXXXXXXX		07/11/20 1:27
23)	21	0710_24.D	CANISTER BLK 490	CANISTER BLK 490	07/11/20 2:07
24)	22	0710_25.D	CANISTER BLK 9544	CANISTER BLK 9544	07/11/20 2:45
25)	23	0710_26.D	XXXXXXXXXX		07/11/20 3:24
26)	24	0710_27.D	XXXXXXXXXX		07/11/20 4:03
27)	25	0710_28.D	XXXXXXXXXX		07/11/20 4:42
28)	26	0710_29.D	XXXXXXXXXX		07/11/20 5:20
29)	27	0710_30.D	CANISTER BLK 28556	CANISTER BLK 28556	07/11/20 5:59
30)	28	0710_31.D	CANISTER BLK 28566	CANISTER BLK 28566	07/11/20 6:38
31)	29	0710_32.D	XXXXXXXXXX		07/11/20 7:17
32)	30	0710_33.D	XXXXXXXXXX		07/11/20 7:56
33)	31	0710_34.D	XXXXXXXXXX		07/11/20 8:34
34)	32	0710_35.D	XXXXXXXXXX		07/11/20 9:13
35)	33	0710_36.D	XXXXXXXXXX		07/11/20 9:52
36)	34	0710_37.D	CANISTER BLK 19628	CANISTER BLK 19628	07/11/20 10:30
37)	35	0710_38.D	XXXXXXXXXX		07/11/20 11:09
38)	36	0710_39.D	XXXXXXXXXX		07/11/20 11:46
39)	37	0710_40.D	XXXXXXXXXX		07/11/20 12:22

Injection Log

Data Directory: H:\AIR2020\CHEM20\08AUG\11\

Line	Vl	FileName	SampleName	MiscInfo	Injection Time
1)	9	0811_01.D	XXXXXXXXXX		08/11/20 9:52
2)	10	0811_02.D	XXXXXXXXXX		08/11/20 10:26
3)	11	0811_03.D	BFB TUNE	0/0	08/11/20 11:01
4)	3	0811_04.D	ICAL 0.02	0.02	08/11/20 11:37
5)	4	0811_05.D	ICAL 0.035	0.035	08/11/20 12:13
6)	5	0811_06.D	ICAL 0.05	0.05	08/11/20 12:49
7)	6	0811_07.D	ICAL 0.1	0.10	08/11/20 13:26
8)	7	0811_08.D	ICAL 0.2	0.2	08/11/20 14:02
9)	8	0811_09.D	ICAL 0.5	0.50	08/11/20 14:41
10)	9	0811_10.D	ICAL 2.5	2.5	08/11/20 15:19
11)	10	0811_11.D	ICAL 5	5.0	08/11/20 15:55
12)	11	0811_12.D	ICAL 25	25	08/11/20 16:33
13)	12	0811_13.D	ICAL 40	40	08/11/20 17:13
14)	13	0811_14.D	XXXXXXXXXX		08/11/20 17:48
15)	14	0811_15.D	ICAL 1	1	08/11/20 18:24
16)	16	0811_16.D	ICAL 10	10	08/11/20 19:01
17)	17	0811_17.D	XXXXXXXXXX		08/11/20 19:39
18)	18	0811_18.D	XXXXXXXXXX		08/11/20 20:14
19)	19	0811_19.D	XXXXXXXXXX		08/11/20 20:49

Injection Log

Data Directory: H:\AIR2020\CHEM20\08AUG\12\

Line	VL	FileName	SampleName	MiscInfo	Injection Time
1)	0	0814_23.D	XXXXXXXXXX		N/A
2)	1	0812_01.D	XXXXXXXXXX		08/12/20 14:15
3)	6	0812_02.D	BFB TUNE - CCAL 1	1.0ppb cc - 1.0ppb	08/12/20 14:52
4)	7	0812_03.D	XXXXXXXXXX		08/12/20 15:29
5)	8	0812_04.D	CG52615 LCS	CG52615 LCS	08/12/20 16:07
6)	9	0812_05.D	CG52615 LCSD	CG52615 LCSD	08/12/20 16:45
7)	9	0812_06.D	XXXXXXXXXX		08/12/20 17:20
8)	10	0812_07.D	CG52615 BLANK	CG52615 BLANK	08/12/20 17:54
9)	11	0812_08.D	IA-7 (MEZZANINE)	CG52615	08/12/20 19:28
10)	12	0812_09.D	IA-7 (MEZZANINE) DUP	CG52615 DUP	08/12/20 20:09
11)	13	0812_10.D	AA-1 (AMBIENT AIR)	CG52616	08/12/20 20:50
12)	14	0812_11.D	IA-8 (MEN'S LOCKER ROOM)	CG52617	08/12/20 21:31
13)	15	0812_12.D	IA-6 (CARDIO)	CG52618	08/12/20 22:13
14)	16	0812_13.D	IA-DUP	CG52619	08/12/20 22:53
15)	17	0812_14.D	IA-1 (ENTRY HALLWAY)	CG52620	08/12/20 23:34
16)	18	0812_15.D	IA-2 (RECEPTION AREA)	CG52621	08/13/20 0:15
17)	19	0812_16.D	IA-4 (MAIN EQUIPMENT AREA)	CG52622	08/13/20 0:56
18)	20	0812_17.D	IA-9 (MIXED USE STUDIO)	CG52623	08/13/20 1:37
19)	21	0812_18.D	IA-3 (TRAINERS TURF)	CG52624	08/13/20 2:18
20)	22	0812_19.D	IA-5 (LEG STUDIO)	CG52625	08/13/20 2:58
21)	23	0812_20.D	FB-01	CG52626	08/13/20 3:39
22)	24	0812_21.D	XXXXXXXXXX		08/13/20 4:18
23)	25	0812_22.D	XXXXXXXXXX		08/13/20 4:58
24)	26	0812_23.D	XXXXXXXXXX		08/13/20 5:38
25)	27	0812_24.D	XXXXXXXXXX		08/13/20 6:15
26)	28	0812_25.D	XXXXXXXXXX		08/13/20 6:52
27)	29	0812_26.D	XXXXXXXXXX		08/13/20 8:37
28)	30	0812_27.D	XXXXXXXXXX		08/13/20 9:14
29)	31	0812_28.D	XXXXXXXXXX		08/13/20 9:51
30)	32	0812_29.D	XXXXXXXXXX		08/13/20 10:50
31)	33	0812_30.D	XXXXXXXXXX		08/13/20 11:30
32)	34	0812_31.D	XXXXXXXXXX		08/13/20 12:08
33)	35	0812_32.D	XXXXXXXXXX		08/13/20 12:47
34)	36	0812_33.D	XXXXXXXXXX		08/13/20 13:34
35)	37	0813_01.D	XXXXXXXXXX		08/13/20 14:11
36)	38	0813_02.D	XXXXXXXXXX		08/13/20 14:48
37)	39	0813_03.D	XXXXXXXXXX		08/13/20 15:26
38)	40	0813_04.D	XXXXXXXXXX		08/13/20 16:01
39)	41	0813_05.D	XXXXXXXXXX		08/13/20 16:35
40)	42	0813_06.D	XXXXXXXXXX		08/13/20 17:12
41)	43	0813_07.D	XXXXXXXXXX		08/13/20 17:49
42)	44	0813_08.D	XXXXXXXXXX		08/13/20 18:26
43)	45	0813_09.D	XXXXXXXXXX		08/13/20 19:02
44)	46	0813_10.D	XXXXXXXXXX		08/13/20 19:38
45)	47	0813_11.D	XXXXXXXXXX		08/13/20 20:15
46)	48	0813_12.D	XXXXXXXXXX		08/13/20 20:56
47)	49	0813_13.D	XXXXXXXXXX		08/13/20 21:37
48)	50	0813_14.D	XXXXXXXXXX		08/13/20 22:16
49)	51	0813_15.D	XXXXXXXXXX		08/13/20 22:56
50)	52	0813_16.D	XXXXXXXXXX		08/13/20 23:35
51)	53	0813_17.D	XXXXXXXXXX		08/14/20 0:12
52)	54	0813_18.D	XXXXXXXXXX		08/14/20 0:50
53)	55	0813_19.D	XXXXXXXXXX		08/14/20 1:27
54)	56	0813_20.D	XXXXXXXXXX		08/14/20 2:04
55)	57	0813_21.D	XXXXXXXXXX		08/14/20 2:42
56)	58	0813_22.D	XXXXXXXXXX		08/14/20 3:19
57)	59	0813_23.D	XXXXXXXXXX		08/14/20 3:56
58)	60	0813_24.D	XXXXXXXXXX		08/14/20 4:33
59)	61	0813_25.D	XXXXXXXXXX		08/14/20 5:10
60)	62	0813_26.D	XXXXXXXXXX		08/14/20 5:47
61)	63	0813_27.D	XXXXXXXXXX		08/14/20 6:27
62)	64	0813_28.D	XXXXXXXXXX		08/14/20 7:04
63)	65	0813_29.D	XXXXXXXXXX		08/14/20 7:42
64)	66	0813_30.D	XXXXXXXXXX		08/14/20 8:19
65)	67	0813_31.D	XXXXXXXXXX		08/14/20 9:05
66)	68	0813_32.D	XXXXXXXXXX		08/14/20 9:41
67)	69	0813_33.D	XXXXXXXXXX		08/14/20 10:18
68)	70	0813_34.D	XXXXXXXXXX		08/14/20 10:55

69)	71	0814_01.D	XXXXXXXXXX	08/14/20	11:29
70)	72	0814_02.D	XXXXXXXXXX	08/14/20	12:06
71)	73	0814_03.D	XXXXXXXXXX	08/14/20	12:43
72)	74	0814_04.D	XXXXXXXXXX	08/14/20	13:21
73)	75	0814_05.D	XXXXXXXXXX	08/14/20	13:55
74)	76	0814_06.D	XXXXXXXXXX	08/14/20	14:30
75)	77	0814_07.D	XXXXXXXXXX	08/14/20	23:20
76)	78	0814_08.D	XXXXXXXXXX	08/14/20	23:59
77)	79	0814_09.D	XXXXXXXXXX	08/15/20	0:38
78)	80	0814_10.D	XXXXXXXXXX	08/15/20	1:17
79)	81	0814_11.D	XXXXXXXXXX	08/15/20	1:56
80)	82	0814_12.D	XXXXXXXXXX	08/15/20	2:35
81)	83	0814_13.D	XXXXXXXXXX	08/15/20	3:13
82)	84	0814_14.D	XXXXXXXXXX	08/15/20	3:52
83)	85	0814_15.D	XXXXXXXXXX	08/15/20	4:31
84)	86	0814_16.D	XXXXXXXXXX	08/15/20	5:10
85)	87	0814_17.D	XXXXXXXXXX	08/15/20	5:49
86)	88	0814_18.D	XXXXXXXXXX	08/15/20	6:28
87)	89	0814_19.D	XXXXXXXXXX	08/15/20	7:06
88)	90	0814_20.D	XXXXXXXXXX	08/15/20	7:45
89)	91	0814_21.D	XXXXXXXXXX	08/15/20	8:22
90)	92	0814_22.D	XXXXXXXXXX	08/15/20	8:59

Injection Log

Data Directory: H:\AIR2020\CHEM24\06JUN\01\

Line	VL	FileName	SampleName	MiscInfo	Injection Time
1)	0	0602_33.D	XXXXXXXXXX		N/A
2)	131	0601_01.D	XXXXXXXXXX		06/01/20 6:05
3)	132	0601_02.D	XXXXXXXXXX		06/01/20 6:38
4)	133	0601_03.D	XXXXXXXXXX		06/01/20 7:12
5)	134	0601_04.D	XXXXXXXXXX		06/01/20 7:49
6)	135	0601_05.D	XXXXXXXXXX		06/01/20 8:20
7)	136	0601_06.D	XXXXXXXXXX		06/01/20 8:51
8)	137	0601_07.D	XXXXXXXXXX		06/01/20 9:28
9)	138	0601_08.D	XXXXXXXXXX		06/01/20 10:05
10)	139	0601_09.D	XXXXXXXXXX		06/01/20 10:37
11)	140	0601_10.D	XXXXXXXXXX		06/01/20 11:18
12)	141	0601_11.D	XXXXXXXXXX		06/01/20 11:55
13)	142	0601_12.D	XXXXXXXXXX		06/01/20 12:31
14)	143	0601_13.D	XXXXXXXXXX		06/01/20 13:08
15)	144	0601_14.D	XXXXXXXXXX		06/01/20 13:45
16)	145	0601_15.D	XXXXXXXXXX		06/01/20 14:32
17)	146	0601_16.D	XXXXXXXXXX		06/01/20 15:09
18)	147	0601_17.D	XXXXXXXXXX		06/01/20 15:45
19)	148	0601_18.D	XXXXXXXXXX		06/01/20 16:22
20)	149	0601_19.D	XXXXXXXXXX		06/01/20 16:59
21)	150	0601_20.D	XXXXXXXXXX		06/01/20 17:36
22)	151	0601_21.D	XXXXXXXXXX		06/01/20 18:12
23)	152	0601_22.D	XXXXXXXXXX		06/01/20 18:49
24)	153	0601_23.D	XXXXXXXXXX		06/01/20 19:26
25)	154	0601_24.D	XXXXXXXXXX		06/01/20 20:03
26)	155	0601_25.D	CANISTER BLK 1925	CANISTER BLK 1925	06/01/20 23:31
27)	156	0601_26.D	XXXXXXXXXX		06/02/20 0:49
28)	157	0601_27.D	XXXXXXXXXX		06/02/20 1:25
29)	158	0601_28.D	XXXXXXXXXX		06/02/20 1:57
30)	159	0602_01.D	XXXXXXXXXX		06/02/20 2:30
31)	160	0602_02.D	XXXXXXXXXX		06/02/20 3:04
32)	161	0602_03.D	XXXXXXXXXX		06/02/20 3:41
33)	162	0602_04.D	XXXXXXXXXX		06/02/20 4:12
34)	163	0602_05.D	XXXXXXXXXX		06/02/20 4:43
35)	164	0602_06.D	XXXXXXXXXX		06/02/20 9:17
36)	165	0602_07.D	XXXXXXXXXX		06/02/20 9:49
37)	166	0602_08.D	XXXXXXXXXX		06/02/20 10:22
38)	167	0602_09.D	XXXXXXXXXX		06/02/20 10:55
39)	133	0602_10.D	XXXXXXXXXX		06/02/20 11:42
40)	134	0602_11.D	XXXXXXXXXX		06/02/20 12:19
41)	135	0602_12.D	XXXXXXXXXX		06/02/20 12:51
42)	136	0602_13.D	XXXXXXXXXX		06/02/20 13:22
43)	137	0602_14.D	XXXXXXXXXX		06/02/20 14:04
44)	138	0602_15.D	XXXXXXXXXX		06/02/20 19:42
45)	139	0602_16.D	XXXXXXXXXX		06/02/20 20:19
46)	140	0602_17.D	XXXXXXXXXX		06/02/20 20:52
47)	141	0602_18.D	XXXXXXXXXX		06/02/20 21:26
48)	142	0602_19.D	XXXXXXXXXX		06/02/20 22:02
49)	143	0602_20.D	XXXXXXXXXX		06/02/20 22:39
50)	144	0602_21.D	XXXXXXXXXX		06/02/20 23:14
51)	145	0602_22.D	XXXXXXXXXX		06/03/20 0:37
52)	146	0602_23.D	XXXXXXXXXX		06/03/20 1:18
53)	147	0602_24.D	XXXXXXXXXX		06/03/20 1:59
54)	148	0602_25.D	XXXXXXXXXX		06/03/20 2:40
55)	149	0602_26.D	XXXXXXXXXX		06/03/20 3:21
56)	150	0602_27.D	XXXXXXXXXX		06/03/20 3:59
57)	151	0602_28.D	XXXXXXXXXX		06/03/20 4:38
58)	152	0602_29.D	XXXXXXXXXX		06/03/20 5:17
59)	153	0602_30.D	XXXXXXXXXX		06/03/20 9:25
60)	154	0602_31.D	XXXXXXXXXX		06/03/20 10:02
61)	155	0602_32.D	XXXXXXXXXX		06/03/20 10:44

APPENDIX F
DATA USABILITY SUMMARY REPORT (MARCH 2021)

**BUILDING 730 (338) POWERHOUSE GYM
INDOOR AIR QUALITY SAMPLING DATA
USABILITY SUMMARY REPORT**

AT

**IPARK 84
FORMER IBM EAST FISHKILL FACILITY**

MARCH 2021

PREPARED FOR:

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WALDEN ENVIRONMENTAL ENGINEERING, PLLC

Industry Leader in Environmental Engineering Consulting

———— PROACTIVE SOLUTIONS SINCE 1995 ————

Data Usability Summary Report

Indoor Air Quality Investigation
iPark 84, Former IBM East Fishkill Facility
Building 730 (formerly Building B338) – Powerhouse Gym

This Data Usability Summary Report (DUSR) has been prepared to validate the results of air sampling conducted in Building 730 (formerly Building B338) at the above-referenced facility. This sampling was conducted on August 11, 2020 in support of a pre-occupancy evaluation. Walden performed the sampling in accordance with the indoor air quality testing plan (dated July 13, 2020) and the conditional approval letter (dated July 17, 2020) received from the New York State Department of Environmental Conservation (NYSDEC) following NYSDOH and New York State Department of Health (NYSDOH) review of the Work Plan.

A summary of the Powerhouse Gym Building 730 (formerly Building B338) Space sampling results was submitted to NYSDOH and NYSDOH in a report dated August 19, 2020. NYSDOH approved occupancy of the Powerhouse Gym Building 730 (formerly Building B338) Space in a letter dated August 28, 2020.

This DUSR has been prepared in accordance with NYSDOH Draft DER-10 Appendix 2B – Guidance for Data Deliverables and the Development of Data Usability Summary Reports. The DUSR provides a thorough evaluation of analytical data without using the services of an independent third-party data validator. The primary objective of the DUSR is to determine whether or not the data presented meets project specific criteria for data quality and use.

The analytical data was evaluated by Mr. Lawrence Zeman (Walden), whose experience and qualifications to prepare the DUSR for this project are presented in the attached resume (see Attachment A). The air samples collected for laboratory analysis were submitted to Phoenix Environmental Laboratories, Inc. (Phoenix) of Manchester, NH, a NYSDOH Environmental Laboratory Approval Program (ELAP) certified laboratory (NY Lab Registration #11301), and analyzed for volatile organic compounds (VOCs) via U.S. Environmental Protection Agency (USEPA) Modified Method TO-15 with the analytical detection limits set forth in the NYSDOH approved indoor air quality testing plan approved on July 17, 2020. The DUSR process consisted of evaluating the analytical data package produced by Phoenix and answering the following questions.

1. Were there any deviations in the sampling protocol which deviated from established sampling procedures?

The air samples were collected in laboratory provided individually certified, 6-liter Summa[®] canisters equipped with individually certified flow regulators. The regulators were calibrated by the laboratory for a sampling period of 8 hours; this sampling duration was chosen in accordance with NYSDOH guidance for indoor air sampling of a commercial workspace with a single shift, to reflect the typical exposure scenario. The regulators served to maintain flow rates below the required maximum rate of 0.2 liters (200 milliliters) per minute during the sampling period to minimize outdoor air infiltration.

2. Is the data package complete as defined under the requirements for the NYSDEC ASP Category B or USEPA CLP deliverables?

The sampling and analytical program outlined in *Building 730 (formerly Building B338) Indoor Air Quality Testing Plan* was designed to conform to the NYSDEC ASP Category B and USEPA CLP deliverables criteria. Both field sampling and laboratory analytical activities were performed with built-in QA/QC programs. Duplicate samples were collected at a minimum of one (1) sample per ten (10) samples collected. The analytical laboratory (Phoenix) included method blanks and batch QA/QC samples as part of their standard QA/QC program. Additionally, the samples were handled in compliance with the holding time allowances.

3. Have all holding times been met?

Times of sample receipt, extraction, and analysis have been evaluated to determine whether the holding time specifications have been met. All of the samples were analyzed within the specified holding times.

4. Do all 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?

All of the primary sample and QC data were reviewed. Duplicate sample analysis demonstrated a reasonable level of accuracy in the analytical results, and all of the QA/QC data met the protocol-required criteria with the exception as noted below.

- The field blank sample had low concentrations for Benzene, Xylene, Tetrachloroethane and Toluene.

In summary, although low concentrations of 4 analytes were recovered in the field blank sample, all other QA/QC acceptance criteria was met and the reliability of the laboratory results should not be affected.

5. Have all the data been generated using established and agreed upon analytical protocols?

Laboratory analytical protocols have been developed by the USEPA and are published in USEPA Compendium of Methods for the Determination of Toxic Organic Compounds in Ambient Air: Method TO-15 (Second Edition, January 1999). The review of the laboratory deliverables indicated that the analytical data for this project was generated following these standard protocols.

6. Does an evaluation of the raw data confirm the results provided in the data summary sheets and quality control verification forms?

An evaluation of the raw data confirmed the accuracy of the results provided in the data summary sheets and the quality control verification forms included in the analytical data package prepared by the laboratory.

7. Have the correct data qualifiers been used?

The laboratory provided a list of qualifiers used in their data reporting. QC failures such as potential sample contamination by laboratory solvents or estimation of sample result values due to analyte concentrations detected above calibration ranges were checked back to the reported data to determine whether the qualifiers were properly used. The evaluation indicated that the laboratory flagged the data using the correct data qualifiers when necessary. The data qualifiers comply with the NYSDEC Analytical Services Protocol (ASP) 95 revised guidelines.

8. Have the minimum reporting limits been met?

The minimum reporting limits specified in the NYSDEC approved “*Indoor Air Quality Testing Plan*” are as follows:

ANALYTE LIST	MINIMUM REPORTING LIMIT (ug/m ³)
1,1,1-Trichloroethane	1.1
1,1-Dichloroethene	0.8
1,2,4-Trichlorobenzene	7.4
1,2-Dichlorobenzene	1.2
1,3-Dichlorobenzene	1.2
1,4-Dichlorobenzene	1.2
Acetone	2.4

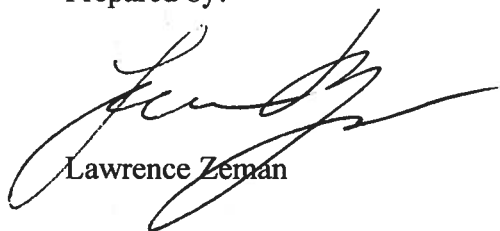
Benzene	0.64
Carbon Tetrachloride	0.2
Chlorobenzene	0.92
Cis-1,2-Dichloroethene	0.8
Dichlorodifluoromethane	1.0
Ethylbenzene	0.86
m,p-Xylene	0.86
Methylene Chloride	1.4
o-Xylene	0.86
Tetrachloroethene	1.4
Toluene	0.77
Trichloroethene	0.22
Trichlorofluoromethane	1.1
Trichlorotrifluoroethane	1.5
Vinyl Chloride	0.06

All reportable VOCs meet the minimum required reporting limits for all samples collected at Building 730 (formerly Building B338) on August 11, 2020.

Summary

In summary, the analytical data package review conducted when preparing this DUSR found no data deficiencies, analytical protocol deviations, or quality control problems that impact the quality of the data. No significant QC exceedances were identified and it was determined that none of the data should be rejected.

Prepared by:



Lawrence Zeman

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Attachment A

Resume of Environmental Professional



Lawrence F. Zeman

Project Scientist II



Lawrence has 20 years of environmental and lab consulting experience, taking on difficult laboratory issues and QA/QC. He is very well versed in areas as diverse as regulatory compliance, test protocol development and implementation, management of instrument repair and maintenance, field inspections and on-site audits, correlation studies of various analyses and engineering/technical reporting.

SELECTED RELEVANT EXPERIENCE

Various Clients, New York

- Performed sample collection of various sample types at industrial facilities and construction & remediation project sites;
Conducted soil sample collection, field activities oversight and continuous air monitoring for Community Air Monitoring Program (CAMP) in accordance with DER-10 as follows:
 - Elmhurst Tank Park & Playground, Queens, NY (2009 – 2011);
 - Calvert Vaux Park and Athletic Fields, Brooklyn, NY (2009 – 2011), as an Independent Environmental Monitor (IEM) on-site technician;
 - Harlem Rive Greenway, Bronx, NY (2011 – 2012);
 - Beach Channel H.S. Athletic Fields (2016);
 - P.S. 63M William McKinley School, Manhattan, NY (2016);
 - P.S. 131 Abigail Adams Public School, Queens, NY (2017);
 - Forest Hills High School, Queens, NY (2017)
- Developed and implemented new testing protocols and test procedures;
- Conducted instrumentation repair and scheduled maintenance;
- Conducted correlation studies of various analytic procedures;
- Verified laboratory Quality Assurance and Quality Control procedures and data;
- Responsible for regulatory compliance and quality control;
- Prepared and submitted facilities' annual Zoning Performance Standards Compliance Reports, including noise, vibration, odor and opacity testing for DSNY permit renewal;
- Provided environmental services to ensure compliance for facility's NYS DEC Title V Air Facility Permit. Completed monthly, semi-annual and annual compliance reports;
- Conducted field Inspections and on-site audits;
- Performed field measurements and recording of Noise and Vibration;
- Prepared Engineering & Technical Reports;
- Prepared New York City Community Right-To-Know Law and SARA reports for Industrial facilities

EDUCATION

*B.A. Biology, Minor in
Chemistry* Queens College

LICENSES/ CERTIFICATIONS

New York State ELAP
Laboratory Director

New York State ELAP
Laboratory Microbiology
Assistant Director

New York Department of
Health Laboratory
Technologist

OSHA HAZWOPER 40-hour
& OSHA 10-hour Certified