

**BUILDING 710 (FORMERLY BUILDING
330 LINK) SPROUT CREEK BAKERY
PRE-OCCUPANCY INDOOR AIR
QUALITY TESTING AND SOIL VAPOR
SAMPLING SUMMARY REPORT**

AT

**1 PARK 84
FORMER IBM EAST FISHKILL FACILITY
2070 STATE ROUTE 52
HOPEWELL JUNCTION, NEW YORK 12533**

**JUNE 2021
(UPDATED SEPTEMBER 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

June 25, 2021
iPARK0118.41

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 710 (Formerly Building 330 Link)
Sprout Creek Bakery Pre-Occupancy Indoor Air Quality
Testing and Soil Vapor Sampling 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 and sub-slab soil vapor (SSV) sampling conducted on May 6, 2021 within the Sprout Creek Bakery space in Building 710 (formerly Building 330 Link). Building 710 is owned by iPark East Fishkill (iPark). Sprout Creek, a manufacturer of baked goods, is leasing 11,000 ft² of first floor space in the southeastern part of Building 710 (330 Link). Refer to **Figure 1** for the site location map.

This space was originally fit up for occupancy by a different tenant (La Milpa). IAQ and SSV samples were collected in the space in May 2020 as part of the La Milpa pre-construction activities. These results are summarized in the May 2020 "Building 710 (330 Link) Pre-Construction Sampling Summary Report" which is presented as part of **Appendix A**, and also includes the NYSDEC-approved work plan and IAQ and SSV testing procedures. Upon reviewing this report, NYSDEC issued an October 9, 2020 letter indicating that an additional round of IAQ sampling prior to occupancy must also include SSV sampling at select locations.

Walden submitted an updated Change of Use notification to NYSDEC on October 29, 2020 after Sprout Creek Bakery entered into an agreement with iPark to lease the space. Additional interior construction was completed in the bakery space, and IAQ testing (along with the SSV sampling



required by NYSDEC and NYSDOH) was performed in May 2021 to verify that IAQ is acceptable before the tenant takes occupancy and begins operating in the space.

The IAQ and SSV testing was completed in accordance with the *RCRA Facility Investigation (RFI) VOC Source Assessment Work Plan* (RFI Work Plan, prepared on behalf of IBM) dated June 15, 2009, by Sanborn, Head Engineering, PC; the *Building 710 (Formerly 330 Link) La Milpa De Rosa Space Retrofit Activities Work Plan* (Walden, May 2020); discussions with NYSDEC regarding the State's request for additional SSV sampling; and Walden's May 14, 2021 letter to NYSDEC regarding pre-occupancy testing in the Building 710 (Formerly Building 330 Link) tenant spaces, which was approved by NYSDEC on April 19, 2021. The approved Work Plan is included in **Appendix A** as part of Walden's April 14, 2021 letter regarding the B330 Link pre-occupancy testing, along with associated NYSDEC correspondence (October 9, 2020 comment letter).

Summary of HVAC Conditions and Building Inventory

The Sprout Creek space in Building 710 (330 Link) is served by the existing HVAC system units #AC-25 and #AC-60 which were operating during the May 6, 2021 IAQ sampling under the same conditions anticipated during normal operations once the tenant takes occupancy.

In addition to incidental cleaning and sanitizing agents, chemicals were stored within this tenant space. During the sampling, floor adhesives and other materials associated with final interior renovations were observed within the space. A copy of the Indoor Air Quality Questionnaire and Building Inventory completed during the IAQ sampling event is presented in **Appendix B**.

Summary of Testing

Walden installed one (1) temporary SSV sampling point (SSV-08) at a location approved by NYSDEC to supplement the SSV data collected in May 2020; SSV-08 is located outside the Sprout Creek Bakery tenant space as shown on **Figure 2**. The new temporary SSV point (SSV-08) was installed using inert ¼" polyethylene tubing and sealed with coarse sand and hydraulic cement in accordance with the *NYSDOH Soil Vapor Intrusion Guidance Section 2.7.2, Paragraph B*. SSV samples were collected from SSV-06 (previously sampled in May 2020) and the new point (SSV-08) based on correspondence with NYSDEC and subsequent NYSDEC approval (**Appendix A**).

Two (2) SSV samples, eight (8) IAQ samples, and one (1) outdoor ambient air sample were collected within and outside of the Sprout Creek space during the May 6, 2021 sampling event. The sampling locations are provided on **Figure 2**. Prior to the sampling, a comprehensive



inspection of Building 710 (330 Link) was conducted. Floor drains, pumps, separators and piping were noted within the SCIA-01 Inside Entrance from Lobby and SCIA-02 Sink Area.

Sub-slab soil vapor samples and IAQ testing were conducted in accordance with the procedures outlined in the NYSDEC-approved May 2020 Retrofit Activities Work Plan. The IAQ and SSV samples were collected concurrently. 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 eight (8) locations throughout the Sprout Creek space, which are depicted on **Figure 2**. The sample IDs were assigned a “SC” prefix to signify that these samples are associated with Sprout Creek because pre-occupancy IAQ sampling was conducted concurrently in the Building 710 (330 Link) Midway Dental space.

Sample ID	Area Use
SCIA-01	Inside Entrance from Lobby
SCIA-02	Sinks Area
SCIA-03	Conveyor Area
SCIA-04	Production Area
SCIA-05	Production Area
SCIA-06	Near Walk-In Box
SCIA-07	Office
SCIA-08	Mechanical Room Area** (Outside Sprout Creek tenant space)
SCSSV-06	Near Walk-In Box
SCSSV-08	Mechanical Room Area** (Outside Sprout Creek tenant space)
SCIA-Dup	Production Area
SCAA-01	Outdoor Ambient Air Sample
SCFB	Nitrogen Field Blank

A duplicate sample (SCIA-Dup) was collected at location SCIA-04: Production Area. One (1) outdoor ambient air sample (SCAA-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 space and had the potential to impact the IAQ results. The following PID readings were collected:

Sample ID	PID Reading (ppm)
SCIA-01	0.3
SCIA-02	0.5
SCIA-03	0.4
SCIA-04	0.6
SCIA-05	0.3
SCIA-06	0.2
SCIA-07	0.4
SCIA-08	0.1
SCSSV-06	0.2
SCSSV-08	0.1
SCIA-Dup	0.5
SCAA-01	0.0
SCFB	0.0

The PID screening measurements indicated minimal effects due to chemicals in the space and floor sealants including Sikaflex, which was used to grout the surrounding floor. The presence of cleaning products and sealants were recorded in the tenant space (refer to **Appendix B**).

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 and SSV laboratory analytical data are provided in **Table 2 and Table 3**, respectively. Photos taken during the sampling are provided in **Appendix C**. The full laboratory analytical report is provided in **Appendix D**. A Data Usability Summary Report (DUSR) is being prepared and will be submitted under separate cover.

Results and Discussion

The sub-slab soil vapor and air results were evaluated using the *NYSDOH: Final Guidance for Evaluating Soil Vapor Intrusion in the State of New York* (dated October 2006 with updates issued by NYSDOH) as a guide. The SVI guidance lists the air guideline values (AGVs) for indoor and outdoor air which that NYSDOH has established for methylene chloride,



trichloroethylene (TCE) and tetrachloroethylene (PCE), as indicated in **Table 2**. The State of New York does not have any standards, criteria or guidance values for concentrations of volatile chemicals in subsurface vapors, so the sub-slab vapor concentrations cannot be compared to any regulatory threshold values. However, the sub-slab vapor concentrations factor into the decision matrices contained in the SVI guidance.

Indoor Air Sampling Results

The Sprout Creek 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 Sprout Creek 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.

None of the indoor air concentrations exceeded the respective AGVs or the SVI guidance decision matrix indoor air threshold concentrations recommending mitigation. The majority of the VOC concentrations detected in the Sprout Creek IAQ samples were within or below the range of background concentrations listed in the USEPA BASE database as noted in **Table 2**. Although the concentrations of ethylbenzene and xylenes detected in the IAQ samples are greater than the respective BASE concentrations, the indoor air concentrations of these compounds are three (3) orders of magnitude below the respective OSHA Permissible Exposure Levels. Therefore, indoor air quality in the tenant space is acceptable. The elevated concentrations of ethylbenzene and xylenes detected in the IAQ samples are attributable to the application of Sikaflex in the tenant space. Sikaflex is an elastomeric sealant which contains ethylbenzene and xylenes as indicated on the product Safety Data Sheet included in **Appendix B**.

Sub-Slab Vapor Sampling Results

Table 3 summarizes the VOC concentrations detected in the Sprout Creek sub-slab soil vapor samples SCSSV-06 (near the walk-in box) and SCSSV-08 (in the hallway near the mechanical room outside the tenant space). **Table 4** presents the NYSDOH decision matrix comparison based on the SSV and IAQ data collected concurrently at these sampling locations.

The sub-slab vapor results for SCSSV-06 and SCSSV-08 indicate that subsurface materials beneath and south of the Sprout Creek space in Building 710 (330 Link) contain vapor phase concentrations of several VOCs, including PCE, TCE, cis-1,2-dichloroethene, and Freon[®] compounds [Freon-11 (trichlorofluoromethane), Freon-113 (trichlorotrifluoroethane) and Freon-



12 (dichlorodifluoromethane)] which are higher than the concentrations detected in the corresponding indoor air samples (SCIA-06 and SCIA-08).

- None of the sub-slab vapor VOC concentrations detected within the tenant space at SCSSV-06 exceeded the NYSDOH decision matrix threshold values recommending mitigation. The decision matrix comparison for the SCIA-06 and SCSSV-06 concentrations recommends no further action with respect to potential soil vapor intrusion impacts in the tenant space.
- The sub-slab vapor PCE, TCE, and cis-1,2-DCE concentrations detected outside the tenant space at SCSSV-08 exceeded the NYSDOH decision matrix threshold values recommending mitigation. However, cis-1,2-DCE was not detected in the indoor air sample at this location, and the indoor air PCE and TCE concentrations were less than the corresponding BASE indoor air background concentrations.
 - The sub-slab vapor PCE, TCE, and cis-1,2-DCE concentrations detected during the pre-occupancy sampling are two to three orders of magnitude less than the corresponding OSHA Permissible Exposure Levels (PELs, 8-hour time weighted average) (678,000 ug/m³ PCE, 537,000 ug/m³ TCE, and 790,000 ug/m³ cis-1,2-DCE).
- Freon[®] compounds are associated with historic site operations and were reportedly used as a refrigerant and solvent in IBM processes. Elevated concentrations of Freon[®] were detected in sub-slab vapors beneath Building 710 (330 Link) during sampling conducted on behalf of IBM in 2016 and during the May 2020 pre-construction sampling [refer to the Building 710 (330 Link) Pre-Construction Sampling Summary Report included in **Appendix A**].
 - The Freon-113 (trichlorotrifluoroethane) concentration detected in sub-slab vapor sample SCSSV-06 was less than the concentrations reported in May 2020 for pre-construction vapor samples at several locations in the tenant space.
 - The sub-slab vapor Freon[®] concentrations detected at SCSSV-06 and SCSSV-08 during the pre-occupancy sampling are three or more orders of magnitude below the corresponding OSHA PELs (5,600,000 ug/m³ Freon-11, 7,600,000 ug/m³ Freon-113 and 4,950,000 ug/m³ Freon-12).
 - The concentrations of the Freon[®] compounds reported in the pre-occupancy indoor air samples (SCIA-06 and SCIA-08) collected concurrent with the sub-slab soil vapor samples (SCSSV-06 and SCSSV-08) were consistent with the BASE indoor background concentrations, indicating no impact on indoor air quality.

Ms. Jessica LaClair
Building 710 (330 Link) Sprout Creek IAQ & Soil Vapor Testing
June 25, 2021

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Given the planned industrial use by Sprout Creek Bakery, acceptable indoor air quality confirmed by the pre-occupancy sampling, and the low toxicity of the VOC concentrations detected in sub-slab vapor samples (via inhalation exposure, as compared to the respective OSHA PELs), there is no significant potential for soil vapor intrusion impacts in the Sprout Creek Bakery space.

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.
VP/Senior Project Manager

Attachments:

Figure 1 – Site Location Map

Figure 2 – Sampling Locations

Table 1 – Summary of Field Information

Table 2 – Summary of IAQ Analysis

Table 3 – Summary of Sub-Slab Soil Vapor Sample Analysis

Table 4 – Summary of SVI Decision Matrix Comparison

Appendix A – NYSDEC Correspondence [October 9, 2020 comment letter and Walden's April 14, 2021 letter regarding the B330 Link pre-occupancy testing (includes May 2020 Building 710 (330 Link) Pre-Construction Sampling Summary Report)]

Appendix B – Indoor Air Quality Questionnaire and Building Inventory

Appendix C – Photographic Log of Sampling Locations

Appendix D – Laboratory Analytical Report (Category B Deliverables)

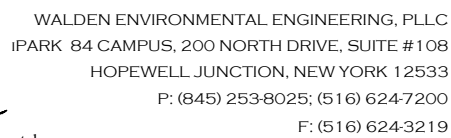
Appendix E – Data Usability Summary Report (added September 2021)

cc: J. Kenney, NYSDOH
L. Daubert, IBM
S. Montefusco, iPark
C. Monheit, iPark

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PROPOSED WORK AREA

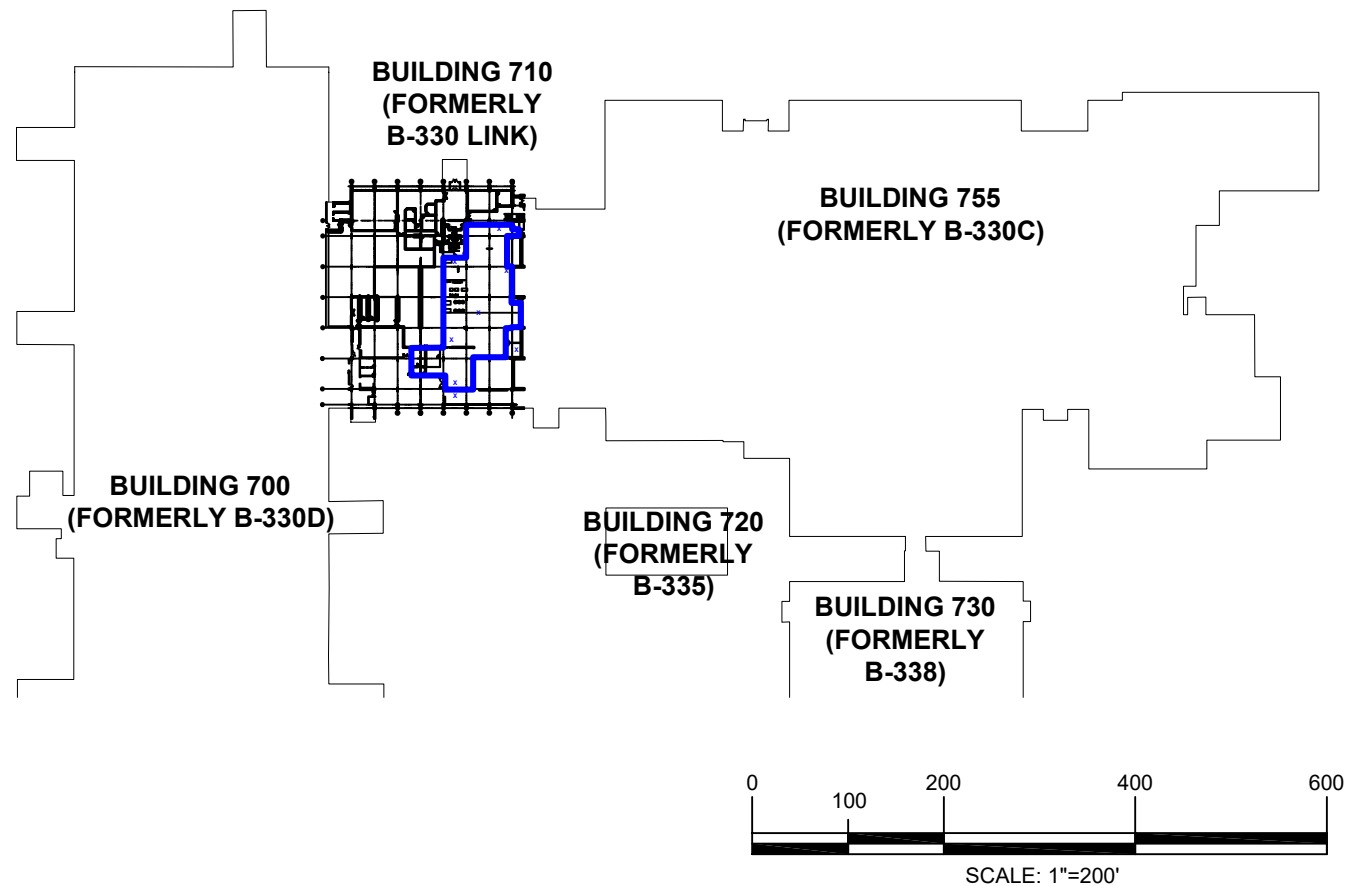


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FOR:	BUILDING 710 (FORMER 330 LINK) iPark 84 Campus 2070 State Route 52 Hopewell Junction, NY 12533		
DESIGNED BY:	NMB	DRAWN BY:	EJK
APPROVED BY:	JMH	SCALE:	AS NOTED

DRAWING TITLE:		
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JOB NO: IPARK0118.41	DATE: 11/26/19	11x17
CAD FILE NAME: Z:\IPark0118\IPark0118.41 Bldg 710 former 330 LnkxKACAD\IPark0118.41 Bldg 710 former 330		

FIGURE NO:	<u>ISSUED</u>
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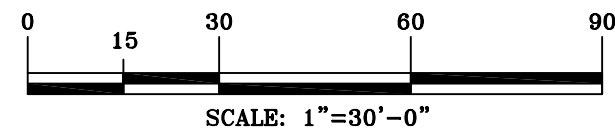
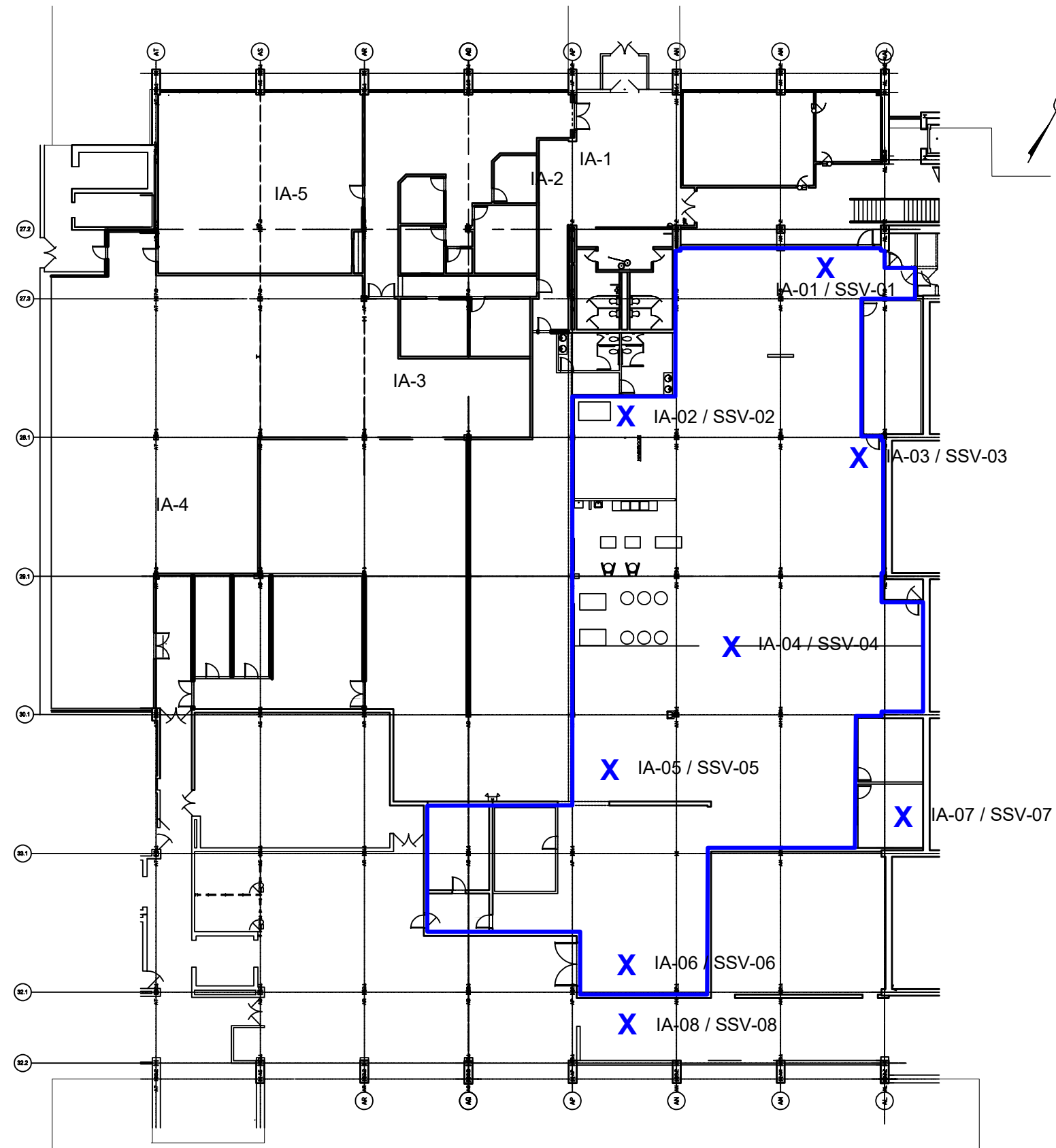


LEGEND

-  - SPROUT CREEK TENANT SPACE
-  - INDOOR AIR QUALITY (IAQ) SAMPLE LOCATION FOR SPROUT CREEK PRE-OCCUPANCY

NOTES

- PRE-OCCUPANCY SAMPLING IN THE SPROUT CREEK TENANT SPACE CONSISTED OF IAQ SAMPLING AT LOCATIONS IA-01 THROUGH IA-08 AND SUB-SLAB SOIL VAPOR SAMPLING AT LOCATIONS SSV-06 AND SSV-08.



BUILDING 710 (FORMERLY 330 LINK) SPROUT CREEK TENANT SPACE IAQ ASSESSMENT AND SOIL VAPOR SAMPLING LOCATIONS

SCALE: 1" = 30'-0"

DRAWING TITLE:		<u>FIGURE 1</u>	
BUILDING 710 - SPROUT CREEK TENANT SPACE IAQ ASSESSMENT AND SOIL VAPOR SAMPLING LOCATIONS			
JOB NO: iPark118.41	DATE: 5/12/21	11x17	SHEET NO: 1 OF 1
CAD FILE NAME: \\walden-dc\disk1\iPark\0118\iPark\0118.41 Bldg 710 former 330 Link\ACAD\iPark\0118.51 B710 Link - Sprout Creek 5-12-21.dwg			

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

**TABLE 1
SUMMARY OF INDOOR AIR FIELD INFORMATION (MAY 6, 2021)
BUILDING 710 (FORMER 330 LINK) - SPROUT CREEK BAKERY**

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	Chemical Packages Observed Near Sample Location
SCIA-01	First	Indoor Air	28595	7027	2.5	9:16	-30	0.3	16:16	-9	65	Inside Entrance from Lobby	Sikaflex sealant
SCIA-02	First	Indoor Air	23329	3256	2.5	9:02	-29	0.5	15:19	-8	65	Sinks Area	Sikaflex sealant
SCIA-03	First	Indoor Air	19786	3504	2.5	9:11	-30	0.4	15:56	-9	65	Conveyor Area	Sikaflex sealant
SCIA-04	First	Indoor Air	489	5043	2.5	8:58	-29	0.6	15:35	-9	65	Production Area	Sikaflex sealant
SCIA-05	First	Indoor Air	12859	3258	2.5	8:46	-29	0.3	15:35	-9	65	Production Area	Sikaflex sealant
SCIA-06	First	Indoor Air	461	3964	2.5	8:52	-29	0.2	15:16	-9	65	Near Walk-In Box	None observed
SCIA-07	First	Indoor Air	12872	4979	2.5	9:55	-28	0.4	17:03	-9	65	Office	None observed
SCIA-08	First	Indoor Air	19634	7022	2.5	8:32	-28	0.1	14:51	-9	65	Mechanical Room	None observed
SCSSV-06	First	Sub-Slab Vapor	19816	5659	2.5	8:52	-29	0.2	15:18	-9	65	Production Area	None observed
SCSSV-08	First	Sub-Slab Vapor	11290	6992	2.5	8:31	-30	0.1	15:14	-8.5	65	Mechanical Room	None observed
SCIA-DUP	First	Indoor Air	13634	7004	2.5	8:01	-30	0.1	14:41	-9	58	Storage Area, 1-east	Sikaflex sealant
SCAA-01	First	Ambient Air	13645	5389	1	7:35	-29	0.0	13:44	-9	50 (AM), 58 (PM)	NW Front of Building	None observed
SCFB	First	Nitrogen Field Blank	216	5352	1	10:26	-30	0.0	11:05	-9	65	NW Front of Building	None observed

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

TABLE 2
SUMMARY OF IAQ ANALYSIS (MAY 6, 2021)
BUILDING 710 (FORMER 330 LINK) - SPROUT CREEK BAKERY

CAS Registry Number	NYSDOH Air Guideline Value	USEPA BASE Database Tables - Typical Background Concentrations for Indoor Air				Collection Date Sample ID	5/6/2021 SCIA-01		5/6/2021 SCIA-02		5/6/2021 SCIA-03		5/6/2021 SC-DUP		5/6/2021 SCIA-04		5/6/2021 SCIA-05		5/6/2021 SCIA-06		5/6/2021 SCIA-07		5/6/2021 SCIA-08		
		75th Percentile	90th Percentile	95th Percentile	99th Percentile	Matrix	Air		Air		Air		Air		Air		Air		Air		Air		Air		
						Location	Inside Entrance from Lobby		Sinks Area		Conveyor Area		Production Area		Production Area		Production Area		Near Walk-In Box		Office		Mechanical Room		
							Units	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL
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	< 1.09	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	< 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	< 1.85	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	< 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	< 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	< 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	8	2.37	6.77	2.37	9.57	2.37	7.76	2.37	7.93	2.37	107	4.75	57.2	2.37	65	2.37	32.5	2.37	
Benzene	71-43-2	5.1	9.4	12.5	25.0	ug/m3	< 0.16	0.16	0.16	0.16	< 0.16	0.16	0.16	0.16	0.16	0.16	< 0.16	0.16	0.17	0.16	< 0.16	0.16	0.25	0.16	
Carbon Tetrachloride	56-23-5	<1.1	<1.3	0.7	0.9	ug/m3	0.54	0.13	0.52	0.13	0.55	0.13	0.41	0.13	0.49	0.13	0.49	0.13	0.45	0.13	0.5	0.13	0.45	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	< 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	< 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	1.98	0.99	1.94	0.99	1.91	0.99	2.05	0.99	2.13	0.99	1.95	0.99	1.96	0.99	1.95	0.99	2.02	0.99	
Ethylbenzene	100-41-4	3.4	5.7	7.6	18.5	ug/m3	58.2	0.65	126	0.65	59	0.65	82.5	0.65	107	0.65	34.7	0.65	77.7	0.65	142	0.65	26.9	0.65	
m,p-Xylene	179601-23-1	12.2	22.2	28.5	67.6	ug/m3	208	0.65	443	3.25	217	0.65	293	0.65	372	3.25	125	0.65	284	0.65	516	3.25	94.2	0.65	
Methylene Chloride	75-09-2	60	5.0	10.0	16.0	1155.6	ug/m3	1.6	1.39	1.53	1.39	1.54	1.39	1.57	1.39	2.1	1.39	1.58	1.39	1.53	1.39	1.52	1.39	1.66	1.39
o-Xylene	95-47-6		4.4	7.9	11.2	20.1	ug/m3	43.4	0.65	97.6	0.65	44.3	0.65	61.6	0.65	82.5	0.65	25.6	0.65	58.6	0.65	111	0.65	19.3	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	< 0.68	0.68	< 0.68	0.68	1.69	0.68
Toluene	108-88-3		25.9	43.0	70.8	348.9	ug/m3	1.59	0.75	1.91	0.75	1.65	0.75	1.73	0.75	1.78	0.75	1.57	0.75	1.64	0.75	1.8	0.75	1.48	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	< 0.20	0.20	< 0.20	0.20	0.35	0.20
Trichlorofluoromethane	75-69-4		6.7	18.1	54.0	860.6	ug/m3	2.29	0.84	2.17	0.84	2.29	0.84	2.18	0.84	2.39	0.84	2.39	0.84	2.25	0.84	2.31	0.84	2.21	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	< 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	< 0.05	0.05	< 0.05	0.05	< 0.05	0.05

NOTE: Indoor air sampling location SCIA-08 is located outside the Sprout Creek Bakery tenant space.

Result Detected

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

TABLE 3
SUMMARY OF SSV ANALYSIS (MAY 6, 2021)
BUILDING 710 (FORMER 330 LINK) - SPROUT CREEK BAKERY

CAS Registry Number		USEPA BASE Database Tables - Typical Background Concentrations for Indoor Air				Collection Date	5/6/2021		5/6/2021	
						Sample ID	SCSSV-06		SCSSV-08	
						Matrix	Air		Air	
		Location	Office		Mechanical Room					
Units	Result	RL	Result	RL						
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
1,1-Dichloroethene	75-35-4	<1.2	<1.4	<1.6	<1.7	ug/m3	< 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
1,2-Dichlorobenzene	95-50-1	<1.0	<1.2	<1.3	10.5	ug/m3	< 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
1,4-Dichlorobenzene	106-46-7	1.4	5.5	12.5	80.5	ug/m3	< 0.90	0.90	< 0.90	0.90
Acetone	67-64-1	59.8	98.9	120.2	226.6	ug/m3	3.66	2.37	2.73	2.37
Benzene	71-43-2	5.1	9.4	12.5	25.0	ug/m3	< 0.16	0.16	0.33	0.16
Carbon Tetrachloride	56-23-5	<1.1	<1.3	0.7	0.9	ug/m3	0.41	0.13	0.48	0.13
Chlorobenzene	108-90-7	<0.8	<0.9	<1.0	1.0	ug/m3	< 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	199	31.6
Dichlorodifluoromethane	75-71-8	10.5	16.5	32.9	81.3	ug/m3	14.4	0.99	12	0.99
Ethylbenzene	100-41-4	3.4	5.7	7.6	18.5	ug/m3	0.97	0.65	0.76	0.65
m,p-Xylene	179601-23-1	12.2	22.2	28.5	67.6	ug/m3	3.42	0.65	3.04	0.65
Methylene Chloride	75-09-2	5.0	10.0	16.0	1155.6	ug/m3	< 1.39	1.39	< 1.39	1.39
o-Xylene	95-47-6	4.4	7.9	11.2	20.1	ug/m3	1	0.65	0.85	0.65
Tetrachloroethene	127-18-4	5.9	15.9	25.4	55.6	ug/m3	292	125	2,090	108
Toluene	108-88-3	25.9	43.0	70.8	348.9	ug/m3	1.32	0.75	< 0.75	0.75
Trichloroethene	79-01-6	1.2	4.2	6.5	57.0	ug/m3	4.73	0.20	197	0.20
Trichlorofluoromethane	75-69-4	6.7	18.1	54.0	860.6	ug/m3	10.2	0.84	2.41	0.84
Trichlorotrifluoroethane	76-13-1	<3.0	3.5	9.4	19.7	ug/m3	10,600	211	96.5	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

NOTE: Subslab vapor sampling location SCSSV-08 is located outside the Sprout Creek Bakery tenant space.

Result Detected

TABLE 4
SVI INVESTIGATION SAMPLING RESULTS NYSDOH DECISION MATRIX COMPARISON, MAY 6, 2021
BUILDING 710 (FORMERLY 330 LINK) - SPROUT CREEK BAKERY

Location	DECISION MATRIX A				DECISION MATRIX B			DECISION MATRIX C
	Carbon Tetrachloride	Trichloroethene	1,1-Dichloroethene	cis-1,2-Dichloroethene	1,1,1-Trichloroethane	Tetrachloroethene	Methylene Chloride	Vinyl Chloride
	µg/m ³	µg/m ³	µg/m ³	µg/m ³	µg/m ³	µg/m ³	µg/m ³	µg/m ³
Near Walk-In Box								
SCIA-06 Result	0.45	<0.20	<0.20	<0.20	<1.09	<0.68	1.53	<0.05
Matrix Range Indoor Air	0.2 to <1	<0.2	<0.2	<0.2	<3	<3	<3	<0.2
SCSSV-06 Result	0.41	4.73	<0.20	<0.20	<1.09	292	<1.39	<0.05
Matrix Range Sub-Slab Vapor	<6	<6	<6	<6	<100	100 to <1,000	<100	<6
Recommended Action	No Further Action	No Further Action	No Further Action	No Further Action	No Further Action	No Further Action	No Further Action	NoFurther Action
Mechanical Room *Outside Tenant Space								
SCIA-08 Result	0.45	0.35	<0.20	<0.20	<1.09	1.69	1.66	<0.05
Matrix Range Indoor Air	0.2 to <1	0.2 to <1	<0.2	<0.2	<3	<3	<3	<0.2
SCSSV-08 Result	0.48	197	<0.20	199	<1.09	2,090	<1.39	<0.05
Matrix Range Sub-Slab Vapor	<6	60 and above	<6	60 and above	<100	1,000 and above	<100	<6
Recommended Action	No Further Action	Mitigate	No Further Action	Mitigate	No Further Action	Mitigate	No Further Action	NoFurther Action

Decision Matrices in tables referenced from NYSDOH Guidance for Evaluating Soil Vapor Intrusion in the State of New York (updated May 2017). The recommendations indicated in the decision matrices are described below.

NO FURTHER ACTION: No additional actions are recommended to address human exposures.

MITIGATE: We recommend mitigation to minimize current or potential exposures associated with soil vapor intrusion. The most common mitigation methods are sealing referential pathways in conjunction with installing a sub-slab depressurization system and changing the pressurization of the building in conjunction with monitoring. The type, or combination of types, of mitigation is determined on a case-specific basis, taking into account building construction and operating conditions. Mitigation is considered a temporary measure implemented to address exposures related to soil vapor intrusion until contaminated environmental media are remediated.

APPENDIX A

NYSDEC CORRESPONDENCE

- NYSDEC COMMENT LETTER (OCTOBER 9, 2020)
- B330 LINK PRE-OCCUPANCY TESTING LETTER (WALDEN, APRIL 14, 2021) - INCLUDES MAY 2020 BUILDING 710 (330 LINK) PRE-CONSTRUCTION SAMPLING SUMMARY REPORT

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

October 9, 2020

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

Re: Building 330 Link (B710) La Milpa De Rosa Space
Pre-Construction Sampling Summary Report
Intrusive Construction Activities Summary and CAMP Report
Former IBM East Fishkill Facility, East Fishkill, New York
NYSDEC Site No. 314054, EPA ID NYD000707901

Dear Mr. Cotter:

The Department of Environmental Conservation and Department of Health (Departments) have reviewed the Pre-Construction Sampling Summary Report submitted on May 29, 2020 and the Intrusive Construction Activities Summary and CAMP Report submitted June 17, 2020 by Walden Environmental Engineering, PLLC on behalf of National Resources. The La Milpa De Rosa space is located within the Building 330 Annex (Building 710). The retrofit required the installation of new floor drainage lines and trenches. Sub-slab vapor and indoor air sampling was conducted concurrently once the retrofit was completed. Based on the subslab vapor data presented in the May report the Departments require additional actions to be taken.

The Departments require indoor air sampling along with concurrent sub-slab sampling to be conducted at the same sample locations that were previously used with the inclusion of an addition point to the east of location SSV-06. Please see the attached map for clarification. This sampling must be reviewed by the Departments prior to occupancy. The indoor air quality sampling will need to be conducted but can be performed after occupancy.

Based on the subslab vapor data presented in the May report, the Departments are also requiring that periodic indoor air sampling be conducted at least for the next year. The indoor air data will be reviewed to determine if mitigation or continued monitoring of the LaMilpa space will be required.

This sampling summary report is approved. The Departments require additional sampling prior to building occupancy. Notify the Department when the additional sampling for occupancy of the LaMilpa space is scheduled. Please provide any additional environmental data, such as concentration isopleths of subslab vapor and subslab pressure response to vapor extraction from nearby systems. Please develop a sampling work plan for the requested periodic indoor air sampling of the LaMilpa spaces for the Departments review and approval within the next 60 days.

If you have any questions, please feel free to contact me at (518) 402-9821



Department of
Environmental
Conservation

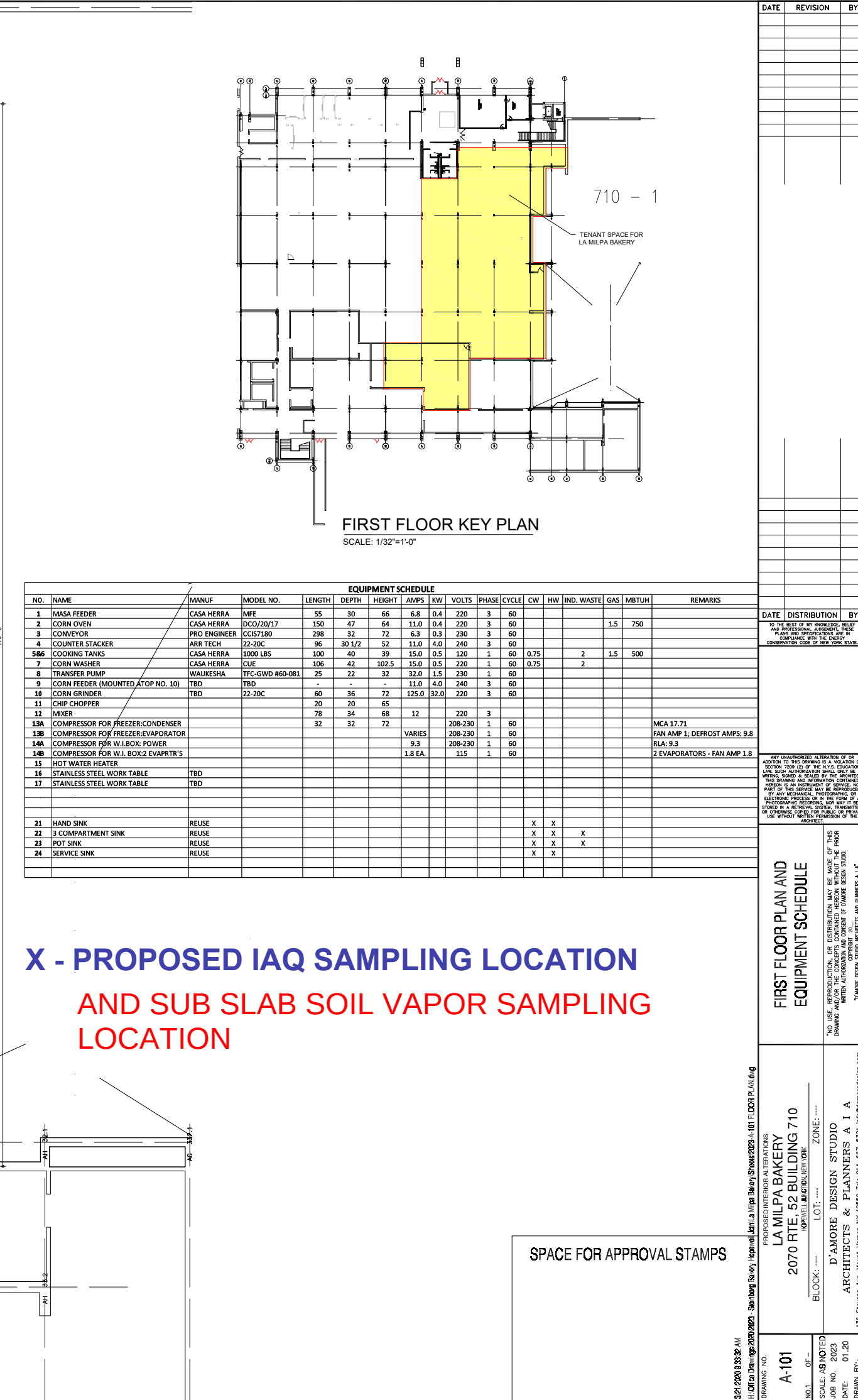


Sincerely,

A handwritten signature in cursive script that reads "Jessica La Clair".

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

ec: M. Buckley, iPark
C. Monheit, National Resources
N. Brew, Walden
J. Heaney, Walden
D. Chartrand, IBM
E. Lutz, GF
G. Marone, GF
S. Edwards, NYSDEC - DER
J. Armitage, NYSDEC - DER
B. Conlon, NYSDEC - OGC
J. Stenerson, NYSDEC - OGC
J. Kenney, NYSDOH
M. Schuck, NYSDOH



EQUIPMENT SCHEDULE																	
NO.	NAME	MANUF	MODEL NO.	LENGTH	DEPTH	HEIGHT	AMPS	KW	VOLTS	PHASE	CYCLE	CW	HW	IND. WASTE	GAS	MBTUH	REMARKS
1	MASA FEEDER	CASA HERRA	MFE	55	30	66	6.8	0.4	220	3	60						
2	CORN OVEN	CASA HERRA	DCO/20/17	150	47	64	11.0	0.4	220	3	60				1.5	750	
3	CONVEYOR	PRO ENGINEER	CCIS7180	298	32	72	6.3	0.3	230	3	60						
4	COUNTER STACKER	ARR TECH	22-20C	96	30 1/2	52	11.0	4.0	240	3	60						
5&6	COOKING TANKS	CASA HERRA	1000 LBS	100	40	39	15.0	0.5	120	1	60	0.75		2	1.5	500	
	CORN WASHER	CASA HERRA	CUE	106	42	102.5	15.0	0.5	220	1	60	0.75		2			
7	TRANSFER PUMP	WALKESHA	TFC-GWD #60-081	25	22	32	32.0	1.5	230	1	60						
8	CORN FEEDER (MOUNTED ATOP NO. 10)	TBD	TBD	-	-	-	11.0	4.0	240	3	60						
9	CORN GRINDER	TBD	22-20C	60	36	72	125.0	32.0	220	3	60						
10	CHIP CHOPPER			20	20	65											
12	MIXER			78	34	68	12		220	3							
13A	COMPRESSOR FOR FREEZER:CONDENSER			32	32	72			208-230	1	60						MCA 17.71
13B	COMPRESSOR FOR FREEZER:EVAPORATOR						VARIES		208-230	1	60						FAN AMP 1; DEFROST AMPS: 9.8
14A	COMPRESSOR FOR W.I.BOX: POWER						9.3		208-230	1	60						RLA: 9.3
14B	COMPRESSOR FOR W.I. BOX:2 EVAPTR'S						1.8 EA.		115	1	60						2 EVAPORATORS - FAN AMP 1.8
15	HOT WATER HEATER																
16	STAINLESS STEEL WORK TABLE	TBD											X	X			
17	STAINLESS STEEL WORK TABLE	TBD															
21	HAND SINK	REUSE											X	X			
22	3 COMPARTMENT SINK	REUSE											X	X	X		
23	POT SINK	REUSE											X	X	X		
24	SERVICE SINK	REUSE											X	X			

X - PROPOSED IAQ SAMPLING LOCATION
AND SUB SLAB SOIL VAPOR SAMPLING
LOCATION

[illegible]



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

April 14, 2021
iPARK0118.51

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 710 (Formerly Building 330 Link) – Midway
Dental Pre-Occupancy Indoor Air Quality Testing Plan

Dear Ms. LaClair:

Walden Environmental Engineering, PLLC (Walden) has reviewed NYSDEC's April 2, 2021 letter regarding the *Building 710 (Formerly Building 330 Link) – Midway Dental Pre-Occupancy Indoor Air Quality Testing Plan* on behalf of the site owner, iPark East Fishkill LLC. As discussed, we have prepared **Figure 1** (attached) to provide the following supplemental information to facilitate the State's review of the Midway Dental Plan.

- Layout of the B710/B330 Link tenant spaces to be occupied by Midway Dental (outlined in red) and Sprout Creek Bakery (outlined in blue).
- Locations of the indoor air and sub-slab vapor samples (blue X's) collected in May 2020 prior to construction in the space to be occupied by Sprout Creek Bakery. A copy of the *Building 710 (Formerly 330 Link) Pre-Construction Sampling Summary Report* (Walden, May 2020) is attached to this letter and presents the May 2020 results (see **Attachment A**). The only other available indoor air sampling data for this linkway is from a sample collected in September 2020 by Sanborn Head; no PCE or TCE were detected in this sample as shown on the figure provided in **Attachment B**.
- Location of the additional sub-slab vapor and indoor air sampling point (green X for IA-08/SSV-08) requested outside the Sprout Creek tenant space based on the State's review of the May 2020 data discussed above. As discussed with NYSDEC and NYSDOH on October 22, 2020, sub-slab soil vapor samples will be collected from SSV-06 and SSV-



08 concurrent with the pre-occupancy indoor air sampling (at IA-01 through IA-08) for the Sprout Creek space.

- Locations for the pre-occupancy indoor air sampling to be conducted in the Midway Dental space (red X's). Note that location IA-1 has been relocated westward away from the main entrance door in accordance with Comment #4 from NYSDEC's April 2, 2021 letter.

The HVAC units serving the Midway Dental and Sprout Creek Bakery tenant spaces will be re-energized and operational before pre-occupancy sampling is performed. Additional HVAC details and operating settings will be provided in the pre-occupancy sampling summary reports.

Indoor air sampling in the Midway Dental space will proceed upon approval from the State in accordance with the Testing Plan when the interior modifications are complete; Walden will inform NYSDEC/NYSDOH when the sampling is scheduled. If construction progress and tenant schedules allow, the Midway Dental and Sprout Creek Bakery pre-occupancy sampling will be performed concurrently.

Please confirm that the *Building 710 (Formerly Building 330 Link) – Midway Dental Pre-Occupancy Indoor Air Quality Testing Plan* is approved and call me if you have any questions.

Very truly yours,
Walden Environmental Engineering, PLLC

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

cc: J. Kenney, NYSDOH
C. Monheit, iPark East Fishkill
D. Vitija, iPark East Fishkill
L. Daubert, IBM

Attachments

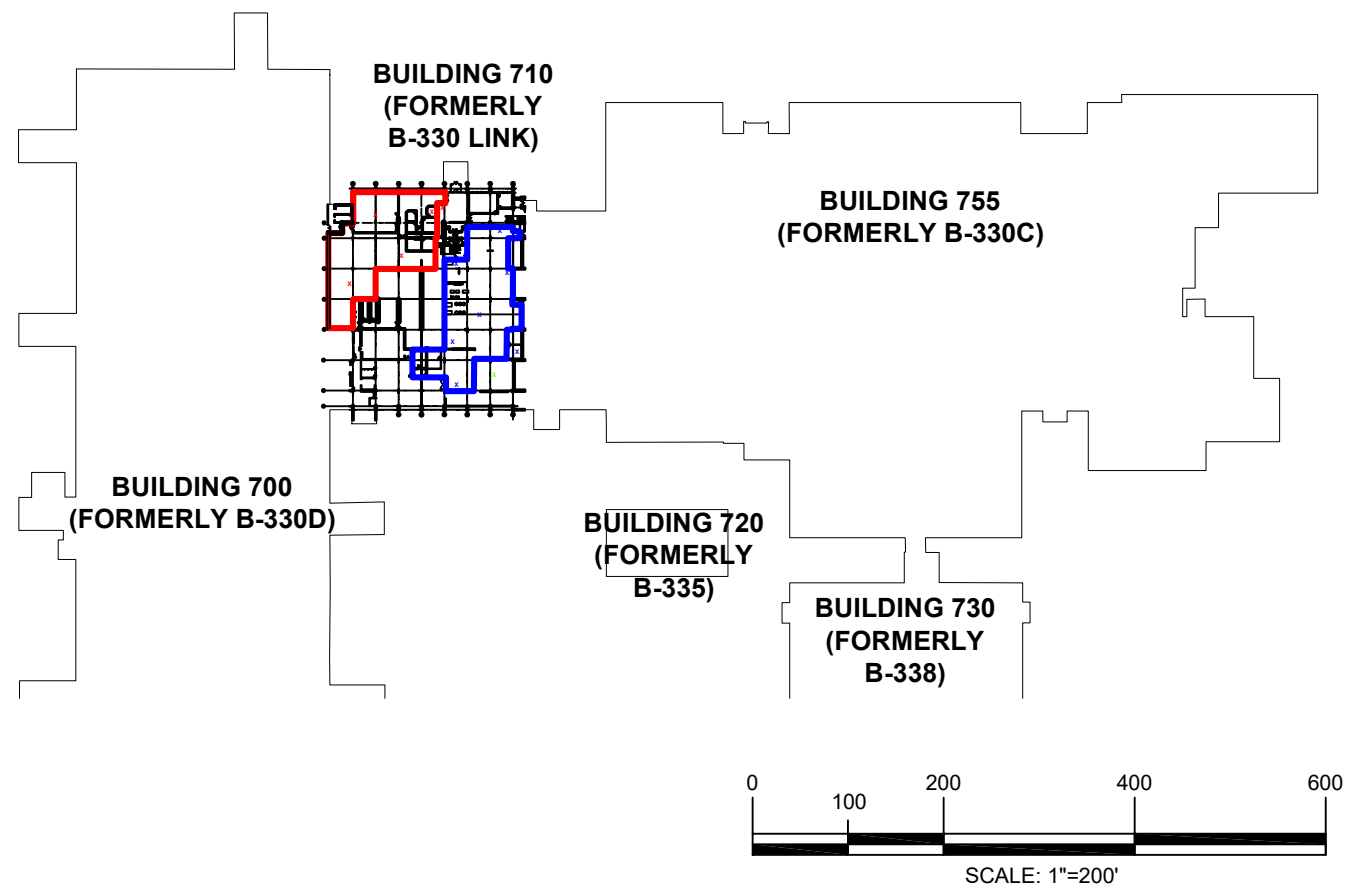
Figure 1 – Building 710 IAQ Assessment and Soil Vapor Sampling Locations

Attachment A - *Building 710 (330 Link) Pre-Construction Sampling Summary Report* (Walden, May 2020)

Attachment B – September 2020 Indoor Air Sampling Results for B330 Link (Sample IA4014)

Z:\iPark0118\iPark0118.51 - B710 330 Link Midway Dental\IAQ Sampling\B710 (Formerly 330 Link) Midway Dental IAQ Testing Letter 4.14.21.docx

FIGURE 1
BUILDING 710 IAQ ASSESSMENT AND SOIL VAPOR SAMPLING LOCATIONS

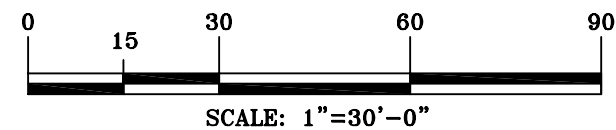
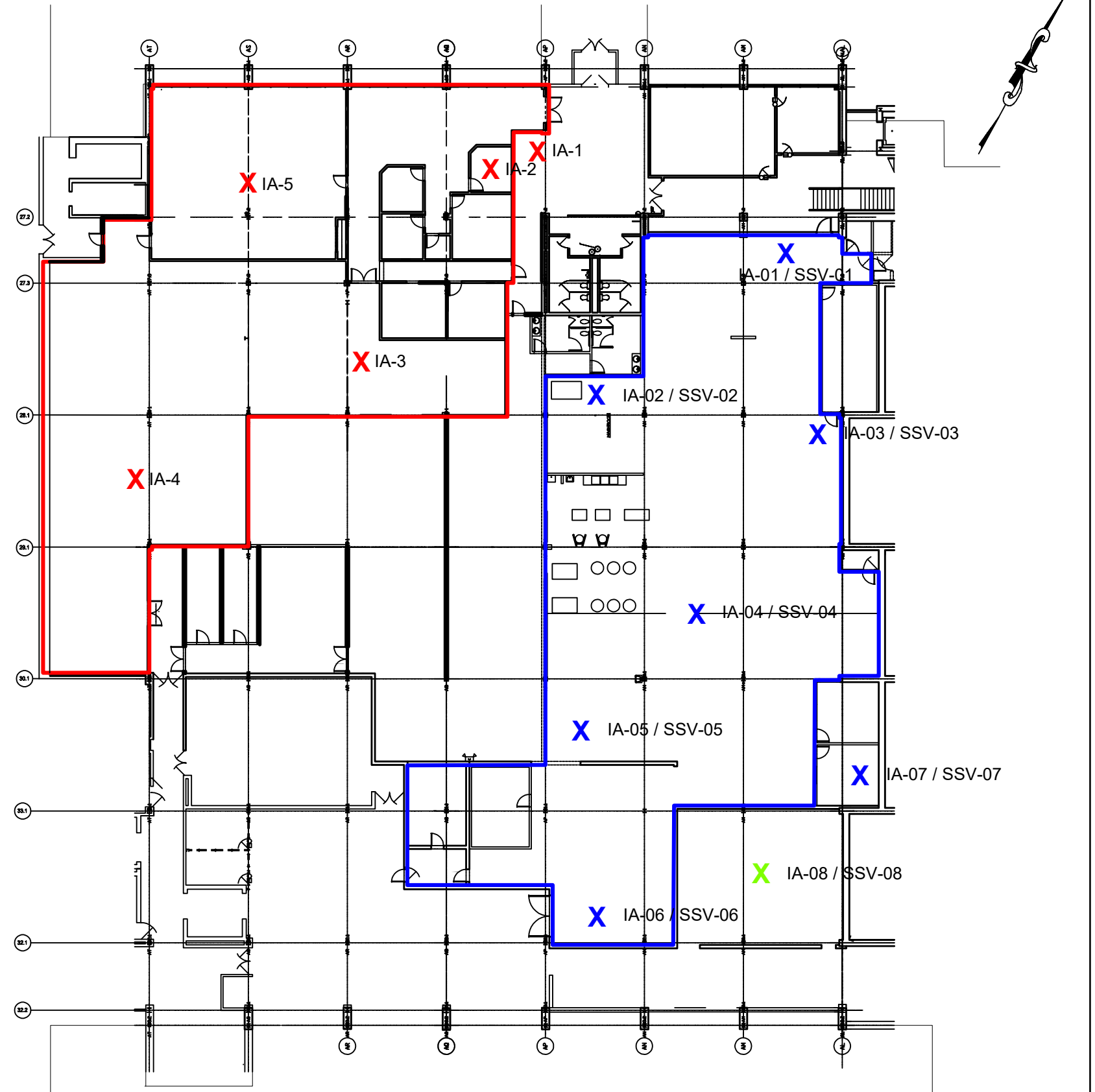


LEGEND

- MIDWAY DENTAL TENANT SPACE
- SPROUT CREEK TENANT SPACE
- X - PROPOSED INDOOR AIR QUALITY (IAQ) SAMPLE LOCATION FOR MIDWAY DENTAL PRE-OCCUPANCY.
- X - IAQ AND SUB-SLAB SOIL VAPOR SAMPLE LOCATION PREVIOUSLY SAMPLED IN MAY 2020.
PRE-OCCUPANCY IAQ SAMPLES TO BE COLLECTED AT LOCATIONS IA-01 THROUGH IA-08.
- X - IAQ AND SUB-SLAB SOIL VAPOR SAMPLING LOCATION TO BE ADDED AS BASED ON NYSDEC OCT.9, 2020 LETTER.

NOTES

- PRE-OCCUPANCY SAMPLING IN THE SPROUT CREEK TENANT SPACE WILL CONSIST OF IAQ SAMPLING AT LOCATIONS IA-01 THROUGH IA-08 AND SUB-SLAB SOIL VAPOR SAMPLING AT LOCATIONS SSV-06 AND SSV-08.



**BLDG 710 (FORMERLY 330 LINK) IAQ ASSESSMENT
AND SOIL VAPOR SAMPLING LOCATIONS**
SCALE: 1" = 30'-0"

DRAWING TITLE:		<u>FIGURE 1</u>	
BUILDING 710 - IAQ ASSESSMENT AND SOIL VAPOR SAMPLING LOCATIONS			
JOB NO: iPark118.41	DATE: 4/13/21	11x17	SHEET NO: 1 OF 1
CAD FILE NAME: C:\Users\jburden\Desktop\iPark0118.51 B710 Link - Midway Dental.dwg			

ATTACHMENT A
BUILDING 710 (330 LINK) PRE-CONSTRUCTION SAMPLING SUMMARY REPORT
(WALDEN, MAY 2020)

**BUILDING 710 (FORMERLY 330 LINK)
PRE-CONSTRUCTION SAMPLING
SUMMARY REPORT**

AT

**IPARK 84
FORMER IBM EAST FISHKILL FACILITY**

MAY 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 ————

Professional Engineer Certification

I certify that I am a professional engineer licensed to practice in New York State in accordance with New York State Education Law, Article 145, Section 7200 et seq. I have completed accredited university courses and degrees in engineering and have sufficient training and experience in remediation, groundwater hydrology, and related fields that enable me to make sound professional judgments with regards to engineering design.

I further certify that this submittal, *Building 710 (Formerly 330 Link) Pre-Construction Sampling Summary Report*, dated May 29, 2020, was prepared under my direction.



Nora M. Brew, P.E.
Walden Environmental Engineering, PLLC

5/29/2020
Date

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3	Summary of Soil Sampling Results – VOCs Only
4	Summary of Soil Sampling Results – SVOCs Only
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FIGURES

1	Location Map
2	Site Map with Soil Sampling Locations
3	Site Map with Soil Vapor and Indoor Air Sampling Locations

APPENDICES

APPENDIX A	Building 710 (Formerly 330 Link) La Milpa De Rosa Space Retrofit Activities Work Plan and NYSDEC Conditional Approval Letter (May 13, 2020)
APPENDIX B	Photolog
APPENDIX C	CAMP Data
APPENDIX D	Laboratory Analytical Reports

1 INTRODUCTION

Walden Environmental Engineering, PLLC (Walden) has prepared this report to summarize the results of the May 2020 pre-construction sub-slab soil, soil vapor, and air sampling investigation conducted at Building 710 (Formerly 330 Link) at the Former IBM East Fishkill facility (the “Site”). The Site is currently managed under the New York State Department of Environmental Conservation (NYSDEC) State Superfund Program (Site #314054) and United States Environmental Protection Agency (USEPA) Hazardous Waste Site Program (ID# NYD000707901).

Building 710 (330 Link) is owned by iPark East Fishkill, LLC (iPark); iPark is leasing space within Building 710 at the iPark 84 site to La Milpa De Rosa (La Milpa), a food manufacturer, for industrial use. La Milpa requires the installation of new floor drainage lines to supplement the existing floor drainage structures and trenches within the space.

The pre-construction sampling investigation was conducted to evaluate contaminant levels in the soil beneath the building slab, to address the potential for vapor intrusion from contaminated soil vapor and potential impacts on indoor air quality within Building 710 (330 Link), and to characterize exposure risks. The investigation was completed in accordance with the NYSDEC-approved *Building 710 (Formerly 330 Link) La Milpa De Rosa Space Retrofit Activities Work Plan* (Work Plan; Walden); a copy of the Work Plan and NYSDEC’s conditional approval letter dated May 13, 2020 are included in **Appendix A**. The field work at Building 710 (330 Link) included the installation of temporary soil vapor points, collection of sub-slab soil and vapor, indoor air, and outdoor air samples.

A brief site description and the objectives of the pre-construction investigation are presented below. Section 2 describes the investigation field work conducted at the Building 330 Link. Section 3 summarizes the investigation sampling results. Section 4 presents conclusions and recommendations based on the investigation results.

1.1 Site Description and History

The location of Building 710 (330 Link) at the Site is illustrated on **Figure 1**.

La Milpa de Rosa (La Milpa), the proposed industrial food manufacturing tenant, is anticipated to occupy approximately 14,900 ft² within Building 710 (330 Link) in the eastern portion of the first floor on the iPark 84 campus. See **Figures 2 and 3** for details on the proposed layout of the La Milpa space. The remainder of the first-floor areas in

Building 710 (330 Link) are unoccupied. The only tenant in the second floor of Building 710 (330 Link) consists of a cafeteria operated by Global Foundries.

iPark plans to modify Building 710 (330 Link) to ready the space for La Milpa. The proposed construction work involves approximately 80 to 90 linear feet (lf) of trenching to install floor drains and piping associated with various sinks. The areas where construction involves disturbance to the slab are shown in red on **Figure 2**. The trenches will be approximately one (1) foot deep and one (1) foot wide, while the grease trap and pump will be installed approximately three (3) feet below the slab. All intrusive work was and will be performed in accordance with the special requirements CAMP (Attachment D of the Work Plan) as discussed below.

2 PRE-CONSTRUCTION INVESTIGATION FIELD WORK

The pre-construction investigation was conducted at Building 710 (330 Link) between May 14 and 15, 2020, as described below. Photographs documenting the investigation are provided as **Appendix B**.

2.1 Interior Inspection, Location Selection and Clearance

Walden performed a pre-sampling interior inspection on May 14th to identify potential vapor intrusion pathways and to evaluate the proposed sub-slab and indoor air sampling locations. The Building was inspected to evaluate the physical layout and to identify conditions or materials stored and/or used that could affect or interfere with the sampling or interpretation of the sampling results. Consideration was given to factors such as access for installation and sampling purposes, foundation/floor slab installation and conditions, and utility layout/breaches. The heating/ventilation/mechanical systems were not fully operational at the time of the sampling. No chemicals were observed being used or stored in the Building that would impact air sampling results. Refer to the photographs presented in **Appendix B** for the site conditions during sampling.

Ground penetrating radar (GPR) surveys were performed on May 12th by Delta Geophysics to clear each of the selected sub-slab sampling locations to them of any underground utilities or structures prior to breaching the concrete slab.

2.2 Sampling Locations

The pre-construction investigation samples were collected from the general locations shown in the NYSDEC-approved Work Plan, based on discussions with NYSDEC and NYSDOH. The actual sampling locations were determined on May 14^h following the Building 710 (330 Link) inspection and cleared based on the private utility mark-out and physical access considerations. Refer to **Figure 2** for the sub-slab soil sampling locations and **Figure 3** for the sub-slab soil vapor and indoor air sampling locations.

Temporary sub-slab vapor sampling points were placed in locations with minimal potential for ambient air infiltration from floor penetrations such as cracks, floor drains, utility perforations, sumps, etc. Sub-slab vapor sampling points were located away from drains, sumps, etc. to the extent possible.

Sub-slab soil samples were collected at five distinct locations on May 14th (see **Figure 2**). All samples were collected at an interval of 1-2' below the slab, except for SS-5 which was collected at 3-4' feet below the slab.

On May 15th, sub-slab vapor and indoor air samples were collected concurrently from seven (7) locations within Building 710 (330 Link) (see **Figure 3**), as follows:

- Northern portion of La Milpa space (near proposed trenching area)
 - Sub-slab location SSV-01 and its corresponding indoor air sample, IA-01
 - Sub-slab location SSV-02 and its corresponding indoor air sample, IA-02
 - Sub-slab location SSV-03 and its corresponding indoor air sample, IA-03
- Central portion of La Milpa space
 - Sub-slab location SSV-04 and its corresponding indoor air sample, IA-04
 - Sub-slab location SSV-05 and its corresponding indoor air sample, IA-05
 - Sub-slab location SSV-07 and its corresponding indoor air sample, IA-07
- Southern portion of La Milpa space (adjacent to loading dock)
 - Sub-slab location SSV-06 and its corresponding indoor air sample, IA-06

In addition, an outdoor air sample (AA-1) was collected at an upwind location to the west of the La Milpa space to determine representative background conditions at the Site.

2.3 CAMP Monitoring

The Community Air Monitoring Program (CAMP) (Attachment D of the Work Plan) was implemented during sampling work involving intrusive activities, which included sub-slab soil sampling and the installation of the temporary sub-slab soil vapor points. Because these activities were performed inside the building, the CAMP included special requirements for monitoring to ensure that tenants occupying other spaces in Building 710 (330 Link) were not exposed from VOC and particulates released during the La Milpa sampling work, which shall be discussed below.

The entire La Milpa space is located in Heating Ventilation and Air Conditioning Zone 60, which also serves other portions of the building adjacent to the La Milpa space. The HVAC system was not fully operational during the pre-construction sampling on May 14th and 15th. Background VOC and dust concentrations were measured in the work area and other tenant-occupied spaces in Building 710 (330 Link) (including the second-floor Global Foundries Cafeteria) prior to the pre-construction sampling work. In addition, the location of all exhaust vents in the La Milpa space and their discharge points, as well as potential vapor pathways (openings, conduits, etc.) relative to adjoining rooms were evaluated. There were no unusual background readings.

Two (2) CAMP air monitoring stations were set up as shown on **Figure 3**; CAMP-1 was located outside the north entrance to the La Milpa space and CAMP-2 was located outside the south entrance, near the loading dock area. Each CAMP station had a dedicated Mini Rae 3000 Photo-ionization detector (PID) and TSI Dusttrak 8530 (Dust meter) which logged TWA data at 15-minute intervals prior to, during, and after the completion of the pre-construction work on May 14th. The air monitoring sheets and the PID/Dust meter data are included as **Appendix C**. The CAMP results showed no impacts (dust or elevated VOCs) during the intrusive sampling activities on May 14th.

2.4 Sub-slab Sampling Points Installation

Temporary sub-slab soil vapor sampling points were installed on May 14th in accordance with the Work Plan. At each location, a small diameter hole (approximately one inch) was drilled through the concrete floor slab and into sub-slab material approximately two (2) inches below the bottom of the floor slab. Concrete and soil cuttings were removed from the hole. Inert ¼-inch polyethylene tubing was installed no further than two (2) inches into the sub-slab material. The hole surrounding the tubing was sealed with coarse sand and hydraulic cement in accordance with the NYSDOH *Soil Vapor Intrusion Guidance, Section 2.7.2, Paragraph B*.

2.5 Sample Collection

2.5.1 Soil Sampling

Sub-slab soil samples were collected from five (5) locations (distinct from the soil vapor and indoor air sampling locations) as described in the Work Plan and shown on **Figure 2**. One (1) soil sample was collected from each of these locations on May 14th.

An approximately (1) inch diameter concrete drill was utilized to drill through the slab into the soil in the location of the sub-slab soil sampling locations. A macrocore was then hammered into the sub-slab soil to collect soil from the desired intervals described above. The slab thickness was 6” at all sample locations. Soil descriptions, photoionization detector (PID) measurements and observations were logged in a project dedicated field book by Walden field staff. Excess soils removed from each core location were placed back in the borehole before moving on to the next location. Groundwater was not encountered during the soil sampling.

Soil samples were labeled with the Site name, Walden job number, sample location and identification, date, time, sampler’s initials, and the parameter(s) for analysis. The samples were transported to the laboratory in such a manner as to avoid container damage during transportation and to minimize the possibility of cross-contamination. The samples were delivered via courier under the appropriate Chain-of-Custody protocol.

2.5.2 Indoor Air and Sub-slab Soil Vapor Sampling

Sub-slab vapor, indoor air and outdoor air samples were collected over an 8-hour period in laboratory provided and individually certified clean 6-liter Summa® canisters with individually certified regulators, as described in the Work Plan. The samples were collected between roughly 8:00 AM and 5:00 PM on May 15th, 2020.

Summa® canisters were placed adjacent to each of the seven (7) temporary sub-slab soil vapor sampling points (SSIA-01, SSIA-02, SSIA-03, SSIA-04, SSIA-05, SSIA-06, and SSIA-07) and connected to the polyethylene tubing. Seven (7) Summa® canisters were placed adjacent to the temporary sub-slab sampling points for indoor air sampling (IA-01, IA-02, IA-03, IA-04, IA-05, IA-06, and IA-07). The outdoor air sample (AA-1) Summa® canister was placed in an upwind location west of Building 710 (330 Link) to collect background data. Refer to **Figure 3** for the sampling locations. The indoor air samples were collected at a height of approximately two-and-a-half (2.5) feet above the floor to better represent breathing zones, per NYSDOH Guidance. Similarly, the outdoor air sample was collected at a height of approximately three (3) feet above the ground.

Prior to and immediately after sampling at each point, a pressure gauge was used to check each Summa® canister for vacuum, and the vacuum pressure was recorded. A regulator was used to keep flow rates during purging and sampling during the 8-hour sampling period below 0.2 liters per minute, as specified by the NYSDOH SVI guidance.

After the sampling was completed, the Summa[®] canisters were labeled with the Site name, the Walden job number, sample location and identification, date, time, sampler's initials, and the parameter(s) for analysis. The samples were delivered to the laboratory via courier under the appropriate Chain-of-Custody protocol.

2.6 Sample Analysis and Reporting

The Summa[®] canisters and soil samples were submitted to Phoenix Environmental Laboratories, Inc. of Manchester, CT, a NYSDOH ELAP certified laboratory, for analysis. The sub-slab soil samples were analyzed for VOCs via EPA Method 8260, semi-volatile organic compounds (SVOCs) via EPA Method 8270 and metals via EPA Method 6010C. The soil vapor and air samples were analyzed for VOCs via modified USEPA Method TO-15 as specified in the June 2009 *RFI Work Plan* to achieve lower reporting limits via selective ion monitoring for TCE, vinyl chloride and carbon tetrachloride.

Expedited laboratory analysis was requested on behalf of iPark in order to move forward with modifications to the La Milpa space as soon as possible.

3 EVALUATION OF SAMPLING RESULTS

Walden reviewed the pre-construction investigation results and compared them to standards and guidance established by NYSDEC and NYSDOH. The May 2020 pre-construction analytical data are summarized in **Tables 1 through 5** as follows:

- **Table 1** summarizes the sub-slab vapor and air sample collection details
- **Table 2** summarizes the sub-slab vapor and air sampling results
- **Tables 3, 4 and 5** summarize the sub-slab soil sample VOC, SVOC and metals results, respectively

Copies of the laboratory analytical reports are attached as **Appendix D**.

3.1 Sub-slab Vapor and Indoor Air Sampling Results

The sub-slab soil vapor and air results presented in **Table 2** were evaluated using the *NYSDOH: Final Guidance for Evaluating Soil Vapor Intrusion in the State of New York* (dated October 2006 with updates issued by NYSDOH) as a guide. The SVI guidance lists the air guideline values (AGVs) for indoor and outdoor air which that NYSDOH has established for methylene chloride, trichloroethylene (TCE) and tetrachloroethylene (PCE), as indicated in **Table 2**. The State of New York does not have any standards, criteria or guidance values for concentrations of volatile chemicals in subsurface vapors, so the sub-slab vapor concentrations cannot be compared to any regulatory threshold values. However, the sub-slab vapor concentrations factor into the decision matrices contained in the SVI guidance.

For analytes that do not have AGVs and are not considered in the NYSDOH SVI decision matrices, the NYSDOH SVI guidance Appendix C (*Volatile Organic Chemicals in Air – Summary of Background Databases*) was referenced for typical indoor and outdoor background concentrations of these compounds published in USEPA's 2001 Building Assessment and Survey Evaluation (BASE) database. The 90th percentile BASE concentrations for indoor and outdoor air samples are included in **Table 2** for comparison.

- The VOC concentrations reported for the indoor air samples collected in the La Milpa space (IA-01, IA-02, IA-03, IA-04, IA-05, IA-06, and IA-07) were consistent with the BASE indoor air background concentrations and the ambient air quality recorded during the sampling at AA-1. None of the indoor

air concentrations exceeded the respective AGVs or the SVI guidance decision matrix indoor air threshold concentrations recommending mitigation. Therefore, the pre-construction sampling results confirmed acceptable indoor air quality in the La Milpa space.

- The sub-slab vapor results at some of the sampling locations indicate that subsurface materials beneath the La Milpa space in Building 710 (330 Link) contain vapor phase concentrations of several VOCs, including TCE, PCE, acetone and Freon[®] compounds [Freon-11 (trichlorofluoromethane), Freon-113 (trichlorotrifluoroethane) and Freon-12 (dichlorodifluoromethane)] which are higher than the concentrations detected in the corresponding indoor air samples.
 - The sub-slab vapor PCE and TCE concentrations detected at one location (SS-06) exceeded the NYSDOH decision matrix threshold values recommending mitigation. However, TCE was not detected in the indoor air sample at this location, and the indoor air PCE concentration was less than the corresponding BASE indoor and outdoor air background concentrations.
 - The sub-slab vapor PCE and TCE concentrations detected during the pre-construction sampling are three to four orders of magnitude less than the corresponding OSHA Permissible Exposure Levels (PELs, 8-hour time weighted average) (170,000 ug/m³ PCE and 270,000 ug/m³ TCE).
 - Freon[®] compounds are associated with historic site operations and were reportedly used as a refrigerant and solvent in IBM processes. Freon[®] was detected in sub-slab vapors beneath Building 710 (330 Link) during sampling conducted on behalf of IBM in 2016.
 - The concentrations of the Freon[®] compounds reported in the indoor air samples collected concurrent with the sub-slab soil vapor samples collected in the La Milpa space were consistent with the BASE indoor and outdoor background concentrations and ambient air quality recorded during the sampling.
 - The sub-slab vapor Freon[®] concentrations detected during the pre-construction sampling are three orders of magnitude less than the corresponding OSHA PELs (5,600,000 ug/m³ Freon-11, 7,600,000 ug/m³ Freon-113 and 4,950,000 ug/m³ Freon-12).

- o The sub-slab soil sampling results discussed below did not indicate an apparent source of the vapor phase VOC concentrations reported in the sub-slab vapor samples.

3.2 Sub-slab Soil Sampling Results

The laboratory analytical data for the sub-slab soil samples collected beneath the La Milpa industrial use space were compared to the NYCRR Part 375-6.8(b) Soil Cleanup Objectives (SCOs) for various categories ranging from unrestricted to residential and commercial use, as shown in **Tables 3 through 5**.

- No VOCs or SVOCs were detected in any of the soil samples.
- All of the metals concentrations were less than the unrestricted use SCOs, except for the manganese concentration in sample SSV-1, which was slightly above the unrestricted use SCO but less than the residential use SCO.

4 CONCLUSIONS & RECOMMENDATIONS

4.1 Conclusions

The VOC concentrations in all of the pre-construction indoor air samples collected in Building 710 (330 Link) were consistent with USEPA-published indoor air background concentrations and ambient air quality recorded during the sampling. Thus, the sampling confirmed that indoor air quality in the La Milpa space is acceptable.

Although the sub-slab soil vapor sampling results indicated elevated vapor concentrations beneath Building 710 (330 Link) for certain VOCs when compared to the reported indoor air concentrations, the sub-slab levels are three to four orders of magnitude less than the corresponding OSHA Permissible Exposure Levels.

Given the planned industrial use, acceptable indoor air quality confirmed by the pre-construction sampling, and the low toxicity of the VOC concentrations detected in sub-slab vapor samples (via inhalation exposure, as compared to the respective OSHA PELs), there is no significant potential for soil vapor intrusion impacts in the La Milpa space.

The sub-slab soil sample results indicate that the soils beneath the building meet the NYCRR Part 375-6.8(b) unrestricted use SCOs, except for the concentration of one metal at location SS-1, where the concentration was slightly above the unrestricted use SCO but less than the residential use SCO. The laboratory analytical results for these soil samples confirm that soil removed during the trenching and floor drain installation work in the La Milpa space is suitable for use in backfilling the trenches or for transfer to Lot 3 where it will be stockpiled for future re-use on-site. No additional soil samples will be collected for laboratory analysis unless evidence of impacted soil is observed during the intrusive construction work (based on CAMP and HASP air monitoring and visual/olfactory evidence), in which case Walden will inform NYSDEC and NYSDOH.

The CAMP results showed no impacts (dust or elevated VOCs) during the intrusive sampling activities on May 14th.

4.2 Recommendations

The following actions are recommended for the Building 710 (330 Link) La Milpa space based on the May 2020 pre-construction investigation results:

- Once construction in the La Milpa space is completed for the industrial use, the floors are sealed and the HVAC system is operating under normal facility conditions, perform indoor air sampling prior to tenant occupancy to confirm that indoor air quality is acceptable. The indoor air sampling locations shall be presented to NYSDEC and NYSDOH for approval prior to this pre-occupancy testing.
- Soil removed during the trenching and floor drain installation work in the La Milpa space shall be used in backfilling the trenches or for transfer to Lot 3 where it will be stockpiled for future re-use on-site.

TABLES

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

**TABLE 1
SUMMARY OF INDOOR AIR SAMPLE INFORMATION
BUILDING 710 (330 Link) La Milpa De Rosa Space
May 15, 2020**

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-01	Ground	Indoor Air	28613	6995	2.5	8:37	-29	0.0	1635	-3	75	Inside entrance from lobby	None observed
SSIA-01	Ground	Sub Slab Soil	12860	7425	2.5	8:40	-30	0.0	1703	-4	75	Inside entrance from lobby	None observed
IA-02	Ground	Indoor Air	23341	7020	2.5	8:47	-30	0.0	1705	-4	75	Sinks area	None observed
SSIA-02	Ground	Sub Slab Soil	230	4490	2.5	8:45	-30	0.0	1707	-4	75	Sinks area	None observed
IA-03	Ground	Indoor Air	12854	5614	2.5	8:24	-30	0.0	1637	-3	75	Conveyor Area	None observed
SSIA-03	Ground	Sub Slab Soil	13640	5041	2.5	8:28	-30	0.0	1635	-3	75	Conveyor Area	None observed
IA-04	Ground	Indoor Air	28578	7015	2.5	8:09	-28	0.0	1544	-3	75	Production Area	None observed
SSIA-04	Ground	Sub Slab Soil	19835	7016	2.5	8:12	-30	0.0	1632	-2	75	Production Area	None observed
IA-05	Ground	Indoor Air	492	6990	2.5	8:05	-29	0.0	1625	-3	75	Production Area	None observed
SSIA-05	Ground	Sub Slab Soil	4974	7040	2.5	8:03	-29	0.0	1627	-3	75	Production Area	None observed
IA-06	Ground	Indoor Air	455	5043	2.5	7:55	-30	0.0	1530	-3	75	Near Walk-In Box	None observed
SSIA-06	Ground	Sub Slab Soil	11289	6976	2.5	7:56	-26	0.0	1506	-1	75	Near Walk-In Box	None observed
IA-07	Ground	Indoor Air	19969	3258	2.5	8:22	-30	0.0	1642	-4	75	Office	None observed
SSIA-07	Ground	Sub Slab Soil	19930	5394	2.5	8:19	-30	0.0	1640	-3	75	Office	None observed
AA-01	Picnic Table West End	Ambient Air	23352	3409	3	8:58	-30	0.0	1649	-5	80	Picnic Table Outside Entrance	None observed

iPARK 84 CAMPUS
BUILDING 339
2070 NY ROUTE 52
HOPEWELL JUNCTION, NY

TABLE 2
SUMMARY OF SUB-SLAB, INDOOR AND OUTDOOR AIR SAMPLING RESULTS
May 15, 2020

					Northern Portion (Proposed Trench Area)											
Analyte	CAS #	NYSDOH Air Guideline Value	USEPA BASE Indoor Air 90th Percentile Concentration	USEPA BASE Outdoor Air 90th Percentile Concentration	Sub-slab Vapor Concentration		Indoor Air Concentration		Sub-slab Vapor Concentration		Indoor Air Concentration		Sub-slab Vapor Concentration		Indoor Air Concentration	
					SSV-01	Q	IA-01	Q	SSV-02	Q	IA-02	Q	SSV-03	Q	IA-03	Q
Acetone	67-64-1		98.9	43.7	12.1		16.4		32		14.1		231		17.9	
1,1,1-Trichloroethane	71-55-6		20.6	2.6	< 1.09	U	< 1.09	U	2.43		< 1.09	U	< 1.09	U	< 1.09	U
1,1-Dichloroethene	75-35-4		< 1.4	< 1.4	< 0.40	U	< 0.40	U	< 0.40	U	< 0.40	U	< 0.40	U	< 0.40	U
1,2,4-Trichlorobenzene	120-82-1		< 6.8	< 6.4	< 1.85	U	< 1.85	U	< 1.85	U	< 1.85	U	< 1.85	U	< 1.85	U
1,2-Dichlorobenzene	95-50-1		< 1.2	< 1.2	< 0.90	U	< 0.90	U	< 0.90	U	< 0.90	U	< 0.90	U	< 0.90	U
1,3-Dichlorobenzene	541-73-1		< 2.4	< 2.2	< 0.90	U	< 0.90	U	< 0.90	U	< 0.90	U	< 0.90	U	< 0.90	U
1,4-Dichlorobenzene	106-46-7		5.5	1.2	< 0.90	U	< 0.90	U	< 0.90	U	< 0.90	U	< 0.90	U	< 0.90	U
Benzene	71-43-2		9.4	6.6	0.35		0.42		0.68		0.45		1.01		0.39	
Carbon Tetrachloride	56-23-5		< 1.3	0.7	0.16		0.41		4.45		0.4		0.4		0.43	
Chlorobenzene	108-90-7		< 0.9	< 0.8	< 0.92	U	< 0.92	U	< 0.92	U	< 0.92	U	< 0.92	U	< 0.92	U
Cis-1,2-Dichloroethene	156-59-2		< 1.9	< 1.8	< 0.79	U	< 0.79	U	< 0.79	U	< 0.79	U	< 0.79	U	< 0.79	U
Dichlorodifluoromethane	75-71-8		16.5	8.1	59.8		1.78		117		1.71		2.09		1.71	
Ethylbenzene	100-41-4		5.7	3.5	0.73		< 0.65	U	2.83		< 0.65	U	0.98		2.37	
m,p-Xylene	179601-23-1		22.2	12.8	3.77		< 0.65	U	14.9		0.66		2.69		9.94	
Methylene Chloride	75-09-2	60	10	6.1	< 1.39	U	< 1.39	U	< 1.39	U	< 1.39	U	< 1.39	U	3.39	
o-Xylene	95-47-6		7.9	4.6	1.34		< 0.65	U	4.56		< 0.65	U	1.45		2.46	
Tetrachloroethene	127-18-4	30	15.9	6.5	75.9		1.67		12.9		1.66		13.8		1.36	
Toluene	108-88-3		43	33.7	< 0.75	U	0.93		1.07		0.92		5.95		0.93	
Trichloroethene	79-01-6	2	4.2	1.3	0.46		< 0.20	U	1.33		< 0.20	U	1.48		< 0.20	U
Trichlorofluoromethane	75-69-4		18.1	4.3	3.5		2.05		60100		1.95		3.97		2.24	
Trichlorotrifluoroethane	76-13-1		3.5	1.6	74.2		< 1.15	U	715		2.11		47.3		< 1.15	U
Vinyl Chloride	75-01-4		< 1.9	< 1.8	< 0.05	U	< 0.05	U	< 0.05	U	< 0.05	U	< 0.05	U	< 0.05	U

Notes:

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

Q - Qualifier

Highlighted analytes are included in the NYSDOH Decision Matrices.

Bold concentrations indicate results detected above method detection limits (MDLs).

U - The compound was analyzed for but not detected at or above the MDL. The number immediately preceding the "U" represents the practical quantitation reporting level corrected for percent solids, weight and/or volume calculations, and dilution factors.

iPARK 84 CAMPUS
BUILDING 339
2070 NY ROUTE 52
HOPEWELL JUNCTION, NY

TABLE 2
SUMMARY OF SUB-SLAB, INDOOR AND OUTDOOR AIR SAMPLING RESULTS
May 15, 2020

					Central Portion											
Analyte	CAS #	NYSDOH Air Guideline Value	USEPA BASE Indoor Air 90th Percentile Concentration	USEPA BASE Outdoor Air 90th Percentile Concentration	Sub-slab Vapor Concentration		Indoor Air Concentration		Sub-slab Vapor Concentration		Indoor Air Concentration		Sub-slab Vapor Concentration		Indoor Air Concentration	
					SSV-04	Q	IA-04	Q	SSV-05	Q	IA-05	Q	SSV-07	Q	IA-07	Q
Acetone	67-64-1		98.9	43.7	49.1		16.5		132		17.4		11.3		16.2	
1,1,1-Trichloroethane	71-55-6		20.6	2.6	< 1.09	U	< 1.09	U	< 1.09	U	< 1.09	U	< 1.09	U	< 1.09	U
1,1-Dichloroethene	75-35-4		< 1.4	< 1.4	< 0.40	U	< 0.40	U	< 0.40	U	< 0.40	U	< 0.40	U	< 0.40	U
1,2,4-Trichlorobenzene	120-82-1		< 6.8	< 6.4	< 1.85	U	< 1.85	U	< 1.85	U	< 1.85	U	< 1.85	U	< 1.85	U
1,2-Dichlorobenzene	95-50-1		< 1.2	< 1.2	< 0.90	U	< 0.90	U	< 0.90	U	< 0.90	U	< 0.90	U	< 0.90	U
1,3-Dichlorobenzene	541-73-1		< 2.4	< 2.2	< 0.90	U	< 0.90	U	< 0.90	U	< 0.90	U	< 0.90	U	< 0.90	U
1,4-Dichlorobenzene	106-46-7		5.5	1.2	< 0.90	U	< 0.90	U	< 0.90	U	< 0.90	U	< 0.90	U	< 0.90	U
Benzene	71-43-2		9.4	6.6	0.85		0.45		0.62		0.45		0.57		0.43	
Carbon Tetrachloride	56-23-5		< 1.3	0.7	0.38		0.42		0.31		0.4		0.21		0.41	
Chlorobenzene	108-90-7		< 0.9	< 0.8	< 0.92	U	< 0.92	U	< 0.92	U	< 0.92	U	< 0.92	U	< 0.92	U
Cis-1,2-Dichloroethene	156-59-2		< 1.9	< 1.8	< 0.79	U	< 0.79	U	< 0.79	U	< 0.79	U	< 0.79	U	< 0.79	U
Dichlorodifluoromethane	75-71-8		16.5	8.1	23		1.81		9.64		1.85		14.8		1.82	
Ethylbenzene	100-41-4		5.7	3.5	< 0.65	U	< 0.65	U	< 0.65	U	< 0.65	U	< 0.65	U	< 0.65	U
m,p-Xylene	179601-23-1		22.2	12.8	1.68		0.89		1.68		2.2		1.77		0.67	
Methylene Chloride	75-09-2	60	10	6.1	< 1.39	U	< 1.39	U	< 1.39	U	< 1.39	U	< 1.39	U	< 1.39	U
o-Xylene	95-47-6		7.9	4.6	0.73		< 0.65	U	0.95		< 0.65	U	0.71		< 0.65	U
Tetrachloroethene	127-18-4	30	15.9	6.5	21.6		1.82		19.8		1.71		6.08		1.67	
Toluene	108-88-3		43	33.7	< 0.75	U	1.4		< 0.75	U	1.26		< 0.75	U	1.5	
Trichloroethene	79-01-6	2	4.2	1.3	2.41		< 0.20	U	0.23		< 0.20	U	2.49		< 0.20	U
Trichlorofluoromethane	75-69-4		18.1	4.3	170		2.02		70.2		1.94		5.95		2	
Trichlorotrifluoroethane	76-13-1		3.5	1.6	35800		1.19		18200		1.17		48000		1.25	
Vinyl Chloride	75-01-4		< 1.9	< 1.8	< 0.05	U	< 0.05	U	< 0.05	U	< 0.05	U	< 0.05	U	< 0.05	U

Notes:
Concentrations are provided in micrograms per cubic meter (µg/m³).
Q - Qualifier
Highlighted analytes are included in the NYSDOH Decision Matrices.
Bold concentrations indicate results detected above method detection limits (MDLs).
U - The compound was analyzed for but not detected at or above the MDL. The number immediately preceding the corrected for percent solids, weight and/or volume calculations, and dilution factors.

iPARK 84 CAMPUS
BUILDING 339
2070 NY ROUTE 52
HOPEWELL JUNCTION, NY

TABLE 2
SUMMARY OF SUB-SLAB, INDOOR AND OUTDOOR AIR SAMPLING RESULTS
May 15, 2020

Analyte	CAS #	NYSDOH Air Guideline Value	USEPA BASE Indoor Air 90th Percentile Concentration	USEPA BASE Outdoor Air 90th Percentile Concentration	Southern Portion		Indoor Air Concentration		Outdoor Air	
					Sub-slab Vapor Concentration				Upwind Analysis	
					SS-06	Q	IA-06	Q	AA-01	Q
Acetone	67-64-1		98.9	43.7	14.1		16.7		5.86	
1,1,1-Trichloroethane	71-55-6		20.6	2.6	< 1.09	U	< 1.09	U	< 1.09	U
1,1-Dichloroethene	75-35-4		< 1.4	< 1.4	< 0.40	U	< 0.40	U	< 0.40	U
1,2,4-Trichlorobenzene	120-82-1		< 6.8	< 6.4	< 1.85	U	< 1.85	U	< 1.85	U
1,2-Dichlorobenzene	95-50-1		< 1.2	< 1.2	< 0.90	U	< 0.90	U	< 0.90	U
1,3-Dichlorobenzene	541-73-1		< 2.4	< 2.2	< 0.90	U	< 0.90	U	< 0.90	U
1,4-Dichlorobenzene	106-46-7		5.5	1.2	< 0.90	U	< 0.90	U	< 0.90	U
Benzene	71-43-2		9.4	6.6	0.48		0.44		0.39	
Carbon Tetrachloride	56-23-5		< 1.3	0.7	0.31		0.41		0.41	
Chlorobenzene	108-90-7		< 0.9	< 0.8	< 0.92	U	< 0.92	U	< 0.92	U
Cis-1,2-Dichloroethene	156-59-2		< 1.9	< 1.8	43.6		< 0.79	U	< 0.79	U
Dichlorodifluoromethane	75-71-8		16.5	8.1	3.06		1.87		1.74	
Ethylbenzene	100-41-4		5.7	3.5	< 0.65	U	< 0.65	U	< 0.65	U
m,p-Xylene	179601-23-1		22.2	12.8	1.42		0.67		< 0.65	U
Methylene Chloride	75-09-2	60	10	6.1	< 1.39	U	< 1.39	U	< 1.39	U
o-Xylene	95-47-6		7.9	4.6	< 0.65	U	< 0.65	U	< 0.65	U
Tetrachloroethene	127-18-4	30	15.9	6.5	1400		1.75		< 0.68	U
Toluene	108-88-3		43	33.7	< 0.75	U	1.37		0.84	
Trichloroethene	79-01-6	2	4.2	1.3	115		< 0.20	U	< 0.20	U
Trichlorofluoromethane	75-69-4		18.1	4.3	2.51		2.14		1.29	
Trichlorotrifluoroethane	76-13-1		3.5	1.6	303		< 1.15	U	1.16	
Vinyl Chloride	75-01-4		< 1.9	< 1.8	< 0.05	U	< 0.05	U	< 0.05	U

Notes:

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

Q - Qualifier

Highlighted analytes are included in the NYSDOH Decision Matrices.

Bold concentrations indicate results detected above method detection limits (MDLs).

U - The compound was analyzed for but not detected at or above the MDL. The number immediately preceding the corrected for percent solids, weight and/or volume calculations, and dilution factors.

iPARK 84 CAMPUS
BUILDING 339
2070 NY ROUTE 52
HOPEWELL JUNCTION, NY

TABLE 3
SUMMARY OF SOIL SAMPLING RESULTS - VOCs ONLY

			Collection Date		5/14/2020		5/14/2020		5/14/2020		5/14/2020		5/14/2020	
					Sample ID		SS-1 (1'-2')		SS-2 (1'-2')		SS-3 (1'-2')		SS-4 (1'-2')	
			Matrix		Soil		Soil		Soil		Soil		Soil	
		NYCRR Part 375 SCOs												
	CAS	Commercial Use Soil Cleanup Objective	Residential Use Soil Cleanup Objective	Unrestricted Use Soil Cleanup Objective	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier
Volatiles By SW8260C														
1,1,1,2-Tetrachloroethane	630-20-6				< 5.9	U	< 3.4	U	< 4.7	U	< 5.5	U	< 6.5	U
1,1,1-Trichloroethane	71-55-6	500,000	100,000	680	< 5.9	U	< 3.4	U	< 4.7	U	< 5.5	U	< 6.5	U
1,1,2,2-Tetrachloroethane	79-34-5				< 5.9	U	< 3.4	U	< 4.7	U	< 5.5	U	< 6.5	U
1,1,2-Trichloroethane	79-00-5				< 5.9	U	< 3.4	U	< 4.7	U	< 5.5	U	< 6.5	U
1,1-Dichloroethane	75-34-3	240,000	19,000	270	< 5.9	U	< 3.4	U	< 4.7	U	< 5.5	U	< 6.5	U
1,1-Dichloroethene	75-35-4	500,000	100,000	330	< 5.9	U	< 3.4	U	< 4.7	U	< 5.5	U	< 6.5	U
1,1-Dichloropropene	563-58-6				< 5.9	U	< 3.4	U	< 4.7	U	< 5.5	U	< 6.5	U
1,2,3-Trichlorobenzene	87-61-6				< 5.9	U	< 3.4	U	< 4.7	U	< 5.5	U	< 6.5	U
1,2,3-Trichloropropane	96-18-4				< 5.9	U	< 3.4	U	< 4.7	U	< 5.5	U	< 6.5	U
1,2,4-Trichlorobenzene	120-82-1				< 5.9	U	< 3.4	U	< 4.7	U	< 5.5	U	< 6.5	U
1,2,4-Trimethylbenzene	95-63-6	190,000	47,000	3,600	< 5.9	U	< 3.4	U	< 4.7	U	< 5.5	U	< 6.5	U
1,2-Dibromo-3-chloropropane	96-12-8				< 5.9	U	< 3.4	U	< 4.7	U	< 5.5	U	< 6.5	U
1,2-Dibromoethane	106-93-4				< 5.9	U	< 3.4	U	< 4.7	U	< 5.5	U	< 6.5	U
1,2-Dichlorobenzene	95-50-1	500,000	100,000	1,100	< 5.9	U	< 3.4	U	< 4.7	U	< 5.5	U	< 6.5	U
1,2-Dichloroethane	107-06-2	30,000	2,300	20	< 5.9	U	< 3.4	U	< 4.7	U	< 5.5	U	< 6.5	U
1,2-Dichloropropane	78-87-5				< 5.9	U	< 3.4	U	< 4.7	U	< 5.5	U	< 6.5	U
1,3,5-Trimethylbenzene	108-67-8	190,000	47,000	8,400	< 5.9	U	< 3.4	U	< 4.7	U	< 5.5	U	< 6.5	U
1,3-Dichlorobenzene	541-73-1	280,000	17,000	2,400	< 5.9	U	< 3.4	U	< 4.7	U	< 5.5	U	< 6.5	U
1,3-Dichloropropane	142-28-9				< 5.9	U	< 3.4	U	< 4.7	U	< 5.5	U	< 6.5	U
1,4-Dichlorobenzene	106-46-7	130,000	9,800	1,800	< 5.9	U	< 3.4	U	< 4.7	U	< 5.5	U	< 6.5	U
2,2-Dichloropropane	594-20-7				< 5.9	U	< 3.4	U	< 4.7	U	< 5.5	U	< 6.5	U
2-Chlorotoluene	95-49-8				< 5.9	U	< 3.4	U	< 4.7	U	< 5.5	U	< 6.5	U
2-Hexanone	591-78-6				< 29	U	< 17	U	< 23	U	< 28	U	< 33	U
2-Isopropyltoluene	527-84-4				< 5.9	U	< 3.4	U	< 4.7	U	< 5.5	U	< 6.5	U
4-Chlorotoluene	106-43-4				< 5.9	U	< 3.4	U	< 4.7	U	< 5.5	U	< 6.5	U
4-Methyl-2-pentanone	108-10-1				< 29	U	< 17	U	< 23	U	< 28	U	< 33	U
Acetone	67-64-1	500,000	100,000	50	< 29	S	< 17	JS	< 23	JS	< 28	U	< 33	U
Acrylonitrile	107-13-1				< 12	U	< 6.7	U	< 9.4	U	< 11	U	< 13	U
Benzene	71-43-2	44,000	2,900	60	< 5.9	U	< 3.4	U	< 4.7	U	< 5.5	U	< 6.5	U
Bromobenzene	108-86-1				< 5.9	U	< 3.4	U	< 4.7	U	< 5.5	U	< 6.5	U
Bromochloromethane	74-97-5				< 5.9	U	< 3.4	U	< 4.7	U	< 5.5	U	< 6.5	U
Bromodichloromethane	75-27-4				< 5.9	U	< 3.4	U	< 4.7	U	< 5.5	U	< 6.5	U
Bromoform	75-25-2				< 5.9	U	< 3.4	U	< 4.7	U	< 5.5	U	< 6.5	U
Bromomethane	74-83-9				< 5.9	U	< 3.4	U	< 4.7	U	< 5.5	U	< 6.5	U
Carbon Disulfide	75-15-0				< 5.9	U	< 3.4	U	< 4.7	U	< 5.5	U	< 6.5	U
Carbon tetrachloride	56-23-5	22,000	1,400	760	< 5.9	U	< 3.4	U	< 4.7	U	< 5.5	U	< 6.5	U
Chlorobenzene	108-90-7	500,000	100,000	1,100	< 5.9	U	< 3.4	U	< 4.7	U	< 5.5	U	< 6.5	U

iPARK 84 CAMPUS
BUILDING 339
2070 NY ROUTE 52
HOPEWELL JUNCTION, NY

TABLE 3
SUMMARY OF SOIL SAMPLING RESULTS - VOCs ONLY

					Collection Date		5/14/2020		5/14/2020		5/14/2020		5/14/2020		5/14/2020	
					Sample ID		SS-1 (1'-2')		SS-2 (1'-2')		SS-3 (1'-2')		SS-4 (1'-2')		SS-5 (3'-4')	
							Matrix		Soil		Soil		Soil		Soil	
					NYCRR Part 375 SCOs											
	CAS	Commercial Use Soil Cleanup Objective	Residential Use Soil Cleanup Objective	Unrestricted Use Soil Cleanup Objective	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier		
Chloroethane	75-00-3				< 5.9	U	< 3.4	U	< 4.7	U	< 5.5	U	< 6.5	U		
Chloroform	67-66-3	350,000	10,000	370	< 5.9	U	< 3.4	U	< 4.7	U	< 5.5	U	< 6.5	U		
Chloromethane	74-87-3				< 5.9	U	< 3.4	U	< 4.7	U	< 5.5	U	< 6.5	U		
cis-1,2-Dichloroethene	156-59-2	500,000	59,000	250	< 5.9	U	< 3.4	U	< 4.7	U	< 5.5	U	< 6.5	U		
cis-1,3-Dichloropropene	10061-01-5				< 5.9	U	< 3.4	U	< 4.7	U	< 5.5	U	< 6.5	U		
Dibromochloromethane	124-48-1				< 5.9	U	< 3.4	U	< 4.7	U	< 5.5	U	< 6.5	U		
Dibromomethane	74-95-3				< 5.9	U	< 3.4	U	< 4.7	U	< 5.5	U	< 6.5	U		
Dichlorodifluoromethane	75-71-8				< 5.9	U	< 3.4	U	< 4.7	U	< 5.5	U	< 6.5	U		
Ethylbenzene	100-41-4	390,000	30,000	1,000	< 5.9	U	< 3.4	U	< 4.7	U	< 5.5	U	< 6.5	U		
Hexachlorobutadiene	87-68-3				< 5.9	U	< 3.4	U	< 4.7	U	< 5.5	U	< 6.5	U		
Isopropylbenzene	98-82-8				< 5.9	U	< 3.4	U	< 4.7	U	< 5.5	U	< 6.5	U		
m&p-Xylene	179601-23-1				< 5.9	U	< 3.4	U	< 4.7	U	< 5.5	U	< 6.5	J		
Methyl Ethyl Ketone	78-93-3	500,000	100,000	120	< 29	U	< 17	U	< 23	U	< 28	U	< 33	U		
Methyl t-butyl ether (MTBE)	1634-04-4	500,000	62,000	930	< 12	U	< 6.7	U	< 9.4	U	< 11	U	< 13	U		
Methylene chloride	75-09-2	500,000	51,000	50	< 12	U	< 6.7	U	< 9.4	U	< 11	U	< 13	U		
Naphthalene	91-20-3	500,000	100,000	12,000	< 5.9	U	< 3.4	U	< 4.7	U	< 5.5	U	< 6.5	U		
n-Butylbenzene	104-51-8	500,000	100,000	12,000	< 5.9	U	< 3.4	U	< 4.7	U	< 5.5	U	< 6.5	U		
n-Propylbenzene	103-65-1	500,000	100,000	3,900	< 5.9	U	< 3.4	U	< 4.7	U	< 5.5	U	< 6.5	U		
o-Xylene	95-47-6				< 5.9	U	< 3.4	U	< 4.7	U	< 5.5	U	< 6.5	U		
p-Isopropyltoluene	99-87-6				< 5.9	U	< 3.4	U	< 4.7	U	< 5.5	U	< 6.5	U		
sec-Butylbenzene	135-98-8	500,000	100,000	11,000	< 5.9	U	< 3.4	U	< 4.7	U	< 5.5	U	< 6.5	U		
Styrene	100-42-5				< 5.9	U	< 3.4	U	< 4.7	U	< 5.5	U	< 6.5	U		
tert-Butylbenzene	98-06-6	500,000	100,000	5,900	< 5.9	U	< 3.4	U	< 4.7	U	< 5.5	U	< 6.5	U		
Tetrachloroethene	127-18-4	150,000	5,500	1,300	< 5.9	U	< 3.4	U	< 4.7	U	< 5.5	U	< 6.5	J		
Tetrahydrofuran (THF)	109-99-9				< 12	U	< 6.7	U	< 9.4	U	< 11	U	< 13	U		
Toluene	108-88-3	500,000	100,000	700	< 5.9	U	< 3.4	U	< 4.7	U	< 5.5	U	< 6.5	U		
trans-1,2-Dichloroethene	156-60-5	500,000	100,000	190	< 5.9	U	< 3.4	U	< 4.7	U	< 5.5	U	< 6.5	U		
trans-1,3-Dichloropropene	10061-02-6				< 5.9	U	< 3.4	U	< 4.7	U	< 5.5	U	< 6.5	U		
trans-1,4-dichloro-2-butene	110-57-6				< 5.9	U	< 3.4	U	< 4.7	U	< 5.5	U	< 6.5	U		
Trichloroethene	79-01-6	200,000	10,000	470	< 12	U	< 6.7	U	< 9.4	U	< 11	U	< 13	U		
Trichlorofluoromethane	75-69-4				< 5.9	U	< 3.4	U	< 4.7	U	< 5.5	U	< 6.5	U		
Trichlorotrifluoroethane	76-13-1				< 5.9	U	< 3.4	U	< 4.7	U	< 5.5	U	< 6.5	U		
Vinyl chloride	75-01-4	13,000	210	20	< 5.9	U	< 3.4	U	< 4.7	U	< 5.5	U	< 6.5	U		

Notes:

Concentrations are provided in micrograms per kilogram (µg/Kg).
U - The compound was analyzed for but not detected at or above the Method Detection Limit (MDL). The number immediately preceding the "U" represents the Practical Quantitation Level (PQL) corrected for percent solids, weight and/or volume calculations, and dilution factors.

Bold results indicate those detected above MDLs.

Highlighted results indicate those detected above Unrestricted Use Soil Cleanup Objectives.

J - The value is estimated. This flag is used (a) on form 1 when the compound is reported above the MDL, but below the PQL, and (b) on the Tentatively Identified Compounds (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.

iPARK 84 CAMPUS
BUILDING 339
2070 NY ROUTE 52
HOPEWELL JUNCTION, NY

TABLE 4
SUMMARY OF SOIL SAMPLING RESULTS - SVOCs ONLY

					Collection Date		5/14/2020		5/14/2020		5/14/2020		5/14/2020		5/14/2020	
					Sample ID		SS-1 (1'-2')		SS-2 (1'-2')		SS-3 (1'-2')		SS-4 (1'-2')		SS-5 (3'-4')	
							Matrix		Soil		Soil		Soil		Soil	
		NYCRR Part 375 SCOs														
	CAS	Commercial Use Soil Cleanup Objective	Residential Use Soil Cleanup Objective	Unrestricted Use Soil Cleanup Objective	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier		
Semivolatiles By SW8270D																
1,2,4,5-Tetrachlorobenzene	95-94-3				< 240	U	< 240	U	< 240	U	< 240	U	< 240	U		
1,2,4-Trichlorobenzene	120-82-1				< 240	U	< 240	U	< 240	U	< 240	U	< 240	U		
1,2-Dichlorobenzene	95-50-1	500,000	100,000	1,100	< 240	U	< 240	U	< 240	U	< 240	U	< 240	U		
1,2-Diphenylhydrazine	122-66-7				< 340	U	< 350	U	< 340	U	< 340	U	< 350	U		
1,3-Dichlorobenzene	541-73-1	280,000	17,000	2,400	< 240	U	< 240	U	< 240	U	< 240	U	< 240	U		
1,4-Dichlorobenzene	106-46-7	130,000	9,800	1,800	< 240	U	< 240	U	< 240	U	< 240	U	< 240	U		
2,4,5-Trichlorophenol	95-95-4				< 240	U	< 240	U	< 240	U	< 240	U	< 240	U		
2,4,6-Trichlorophenol	88-06-2				< 240	U	< 240	U	< 240	U	< 240	U	< 240	U		
2,4-Dichlorophenol	120-83-2				< 240	U	< 240	U	< 240	U	< 240	U	< 240	U		
2,4-Dimethylphenol	105-67-9				< 240	U	< 240	U	< 240	U	< 240	U	< 240	U		
2,4-Dinitrophenol	51-28-5				< 340	U	< 350	U	< 340	U	< 340	U	< 350	U		
2,4-Dinitrotoluene	121-14-2				< 240	U	< 240	U	< 240	U	< 240	U	< 240	U		
2,6-Dinitrotoluene	606-20-2				< 240	U	< 240	U	< 240	U	< 240	U	< 240	U		
2-Chloronaphthalene	91-58-7				< 240	U	< 240	U	< 240	U	< 240	U	< 240	U		
2-Chlorophenol	95-57-8				< 240	U	< 240	U	< 240	U	< 240	U	< 240	U		
2-Methylnaphthalene	91-57-6				< 240	U	< 240	U	< 240	U	< 240	U	< 240	U		
2-Methylphenol (o-cresol)	95-48-7	500,000	100,000	330	< 240	U	< 240	U	< 240	U	< 240	U	< 240	U		
2-Nitroaniline	88-74-4				< 340	U	< 350	U	< 340	U	< 340	U	< 350	U		
2-Nitrophenol	88-75-5				< 240	U	< 240	U	< 240	U	< 240	U	< 240	U		
3&4-Methylphenol (m&p-cresol)	n/a				< 340	U	< 350	U	< 340	U	< 340	U	< 350	U		
3,3'-Dichlorobenzidine	91-94-1				< 240	U	< 240	U	< 240	U	< 240	U	< 240	U		
3-Nitroaniline	99-09-2				< 340	U	< 350	U	< 340	U	< 340	U	< 350	U		
4,6-Dinitro-2-methylphenol	534-52-1				< 340	U	< 350	U	< 340	U	< 340	U	< 350	U		
4-Bromophenyl phenyl ether	101-55-3				< 340	U	< 350	U	< 340	U	< 340	U	< 350	U		
4-Chloro-3-methylphenol	59-50-7				< 240	U	< 240	U	< 240	U	< 240	U	< 240	U		
4-Chloroaniline	106-47-8				< 240	U	< 240	U	< 240	U	< 240	U	< 240	U		
4-Chlorophenyl phenyl ether	7005-72-3				< 240	U	< 240	U	< 240	U	< 240	U	< 240	U		
4-Nitroaniline	100-01-6				< 540	U	< 560	U	< 550	U	< 550	U	< 560	U		
4-Nitrophenol	100-02-7				< 240	U	< 240	U	< 240	U	< 240	U	< 240	U		
Acenaphthene	83-32-9	500,000	100,000	20,000	< 240	U	< 240	U	< 240	U	< 240	U	< 240	U		
Acenaphthylene	208-96-8	500,000	100,000	100,000	< 240	U	< 240	U	< 240	U	< 240	U	< 240	U		
Acetophenone	98-86-2				< 240	U	< 240	U	< 240	U	< 240	U	< 240	U		
Aniline	62-53-3				< 340	U	< 350	U	< 340	U	< 340	U	< 350	U		
Anthracene	120-12-7	500,000	100,000	100,000	< 240	U	< 240	U	< 240	U	< 240	U	< 240	U		
Benz(a)anthracene	56-55-3	5,600	1,000	1,000	< 240	U	< 240	U	< 240	U	< 240	U	< 240	U		
Benzdine	92-87-5				< 240	U	< 240	U	< 240	U	< 240	U	< 240	U		
Benzo(a)pyrene	50-32-8	1,000	1,000	1,000	< 240	U	< 240	U	< 240	U	< 240	U	< 240	U		

iPARK 84 CAMPUS
BUILDING 339
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TABLE 4
SUMMARY OF SOIL SAMPLING RESULTS - SVOCs ONLY

		Collection Date			5/14/2020		5/14/2020		5/14/2020		5/14/2020		5/14/2020	
		Sample ID			SS-1 (1'-2')		SS-2 (1'-2')		SS-3 (1'-2')		SS-4 (1'-2')		SS-5 (3'-4')	
		Matrix			Soil		Soil		Soil		Soil		Soil	
		NYCRR Part 375 SCOs												
	CAS	Commercial Use Soil Cleanup Objective	Residential Use Soil Cleanup Objective	Unrestricted Use Soil Cleanup Objective	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier
Benzo(b)fluoranthene	205-99-2	5,600	1,000	1,000	< 240	U	< 240	U	< 240	U	< 240	U	< 240	U
Benzo(ghi)perylene	191-24-2	500,000	100,000	100,000	< 240	U	< 240	U	< 240	U	< 240	U	< 240	U
Benzo(k)fluoranthene	207-08-9	56,000	1,000	800	< 240	U	< 240	U	< 240	U	< 240	U	< 240	U
Benzoic acid	65-85-0				< 680	U	< 700	U	< 680	U	< 690	U	< 700	U
Benzyl butyl phthalate	85-68-7				< 240	U	< 240	U	< 240	U	< 240	U	< 240	U
Bis(2-chloroethoxy)methane	111-91-1				< 240	U	< 240	U	< 240	U	< 240	U	< 240	U
Bis(2-chloroethyl)ether	111-44-4				< 340	U	< 350	U	< 340	U	< 340	U	< 350	U
Bis(2-chloroisopropyl)ether	39638-32-9				< 240	U	< 240	U	< 240	U	< 240	U	< 240	U
Bis(2-ethylhexyl)phthalate	117-81-7				< 240	U	< 240	U	< 240	U	< 240	U	< 240	U
Carbazole	86-74-8				< 340	U	< 350	U	< 340	U	< 340	U	< 350	U
Chrysene	218-01-9	56,000	1,000	1,000	< 240	U	< 240	U	< 240	U	< 240	U	< 240	U
Dibenz(a,h)anthracene	53-70-3	560	330	330	< 240	U	< 240	U	< 240	U	< 240	U	< 240	U
Dibenzofuran	132-64-9	350,000	14,000	7,000	< 240	U	< 240	U	< 240	U	< 240	U	< 240	U
Diethyl phthalate	84-66-2				< 240	U	< 240	U	< 240	U	< 240	U	< 240	U
Dimethylphthalate	131-11-3				< 240	U	< 240	U	< 240	U	< 240	U	< 240	U
Di-n-butylphthalate	84-74-2				< 340	U	< 350	U	< 340	U	< 340	U	< 350	U
Di-n-octylphthalate	117-84-0				< 240	U	< 240	U	< 240	U	< 240	U	< 240	U
Fluoranthene	206-44-0	500,000	100,000	100,000	< 240	U	< 240	U	< 240	U	< 240	U	< 240	U
Fluorene	86-73-7	500,000	100,000	30,000	< 240	U	< 240	U	< 240	U	< 240	U	< 240	U
Hexachlorobenzene	118-74-1	6,000	330	330	< 240	U	< 240	U	< 240	U	< 240	U	< 240	U
Hexachlorobutadiene	87-68-3				< 240	U	< 240	U	< 240	U	< 240	U	< 240	U
Hexachlorocyclopentadiene	77-47-4				< 240	U	< 240	U	< 240	U	< 240	U	< 240	U
Hexachloroethane	67-72-1				< 240	U	< 240	U	< 240	U	< 240	U	< 240	U
Indeno(1,2,3-cd)pyrene	193-39-5	5,600	500	500	< 240	U	< 240	U	< 240	U	< 240	U	< 240	U
Isophorone	78-59-1				< 11000	U	< 1000	U	< 3700	U	< 21000	U	< 1500	U
Naphthalene	91-20-3	500,000	100,000	12,000	< 240	U	< 240	U	< 240	U	< 240	U	< 240	U
Nitrobenzene	98-95-3				< 240	U	< 240	U	< 240	U	< 240	U	< 240	U
N-Nitrosodimethylamine	62-75-9				< 340	U	< 350	U	< 340	U	< 340	U	< 350	U
N-Nitrosodi-n-propylamine	621-64-7				< 240	U	< 240	U	< 240	U	< 240	U	< 240	U
N-Nitrosodiphenylamine	86-30-6				< 340	U	< 350	U	< 340	U	< 340	U	< 350	U
Pentachloronitrobenzene	82-68-8				< 340	U	< 350	U	< 340	U	< 340	U	< 350	U
Pentachlorophenol	87-86-5	6,700	2,400	800	< 340	U	< 350	U	< 340	U	< 340	U	< 350	U
Phenanthrene	85-01-8	500,000	100,000	100,000	< 240	U	< 240	U	< 240	U	< 240	U	< 240	U
Phenol	108-95-2	500,000	100,000	330	< 240	U	< 240	U	< 240	U	< 240	U	< 240	U
Pyrene	129-00-0	500,000	100,000	100,000	< 240	U	< 240	U	< 240	U	< 240	U	< 240	U
Pyridine	110-86-1				< 340	U	< 350	U	< 340	U	< 340	U	< 350	U

Notes:

Concentrations are provided in micrograms per kilogram (µg/kg).

U - The compound was analyzed for but not detected at or above the Method Detection Limit (MDL). The number immediately preceding the "U" represents the Practical Quantitation Level (PQL) corrected for percent solids, weight and/or volume calculations, and dilution factors.

iPARK 84 CAMPUS
BUILDING 339
2070 NY ROUTE 52
HOPEWELL JUNCTION, NY

TABLE 5
SUMMARY OF SOIL SAMPLING RESULTS - METALS ONLY

		Collection Date			5/14/2020		5/14/2020		5/14/2020		5/14/2020		5/14/2020	
		Sample ID			SS-1 (1'-2')		SS-2 (1'-2')		SS-3 (1'-2')		SS-4 (1'-2')		SS-5 (3'-4')	
		Matrix			Soil		Soil		Soil		Soil		Soil	
		NYCRR Part 375 SCOs												
	CAS	Commercial Use Soil Cleanup Objective	Residential Use Soil Cleanup Objective	Unrestricted Use Soil Cleanup Objective	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier
Metals, Total														
Aluminum	7429-90-5				16,000		12,900		13,700		11,000		11,600	
Antimony	7440-36-0				< 3.1	U	< 3.4	U	< 3.5	U	< 3.4	U	< 3.8	U
Arsenic	7440-38-2	16	16	13	4.28		4.59		4.2		4.05		3.94	
Barium	7440-39-3	400	350	350	55		39.8		48.9		72.4		45.2	
Beryllium	7440-41-7	590	14	7.2	< 0.25		< 0.27		< 0.28	J	< 0.27		< 0.30	
Cadmium	7440-43-9	9.3	2.5	2.5	2.12		1.91		1.96		1.63		1.72	
Calcium	7440-70-2				22,600		17,500		15,700		61,500		37,400	
Chromium	7440-47-3			30	14.4		14.7		15.1		19.6		15.2	
Cobalt	7440-48-4				11.5		10.7		11.2		9.5		8.82	
Copper	7440-50-8	270	270	50	34.5		34.2		38.9		29.4		31.2	
Iron	7439-89-6				35,100		28,800		30,300		24,000		25,600	
Lead	7439-92-1	1,000	400	63	17		15.8		18		35.2		11.9	
Magnesium	7439-95-4				11,500		12,800		8,660		17,900		16,300	
Manganese	7439-96-5	10,000	2,000	1,600	1,720		1,050		1,180		645		999	
Mercury	7439-97-6	2.8	0.81	0.18	< 0.03	U	< 0.03	U	< 0.03	U	< 0.03	U	< 0.03	U
Nickel	7440-02-0	310	140	30	27.1		23.7		24.2		20		21.6	
Potassium	9/7/7440				1,250		1,330		1,510		2,460		1,530	
Selenium	7782-49-2	1,500	36	3.9	< 1.3	U	< 1.3	U	< 1.4	U	< 1.4	U	< 1.5	U
Silver	7440-22-4	1,500	36	2	< 0.31	U	< 0.34	U	< 0.35	U	< 0.34	U	< 0.38	U
Sodium	7440-23-5				165		118		143		343		180	
Thallium	7440-28-0				< 2.8	U	< 3.0	U	< 3.1	U	< 3.0	U	< 3.4	U
Vanadium	7440-62-2				15.8		14.3		14.5		17		14	
Zinc	7440-66-6	10,000	2,200	109	75.3		66.9		69.8		53.4		61.5	

Notes:

Concentrations are provided in milligrams per kilogram (mg/kg).
U - The compound was analyzed for but not detected at or above the
Method Detection Limit (MDL). The number immediately preceding the
"U" represents the Practical Quantitation Level (PQL) corrected for
percent solids, weight and/or volume calculations, and dilution factors.

Bold results indicate those detected above MDLs.

Highlighted results indicate those detected above Unrestricted Use Soil Cleanup Objectives.

FIGURES

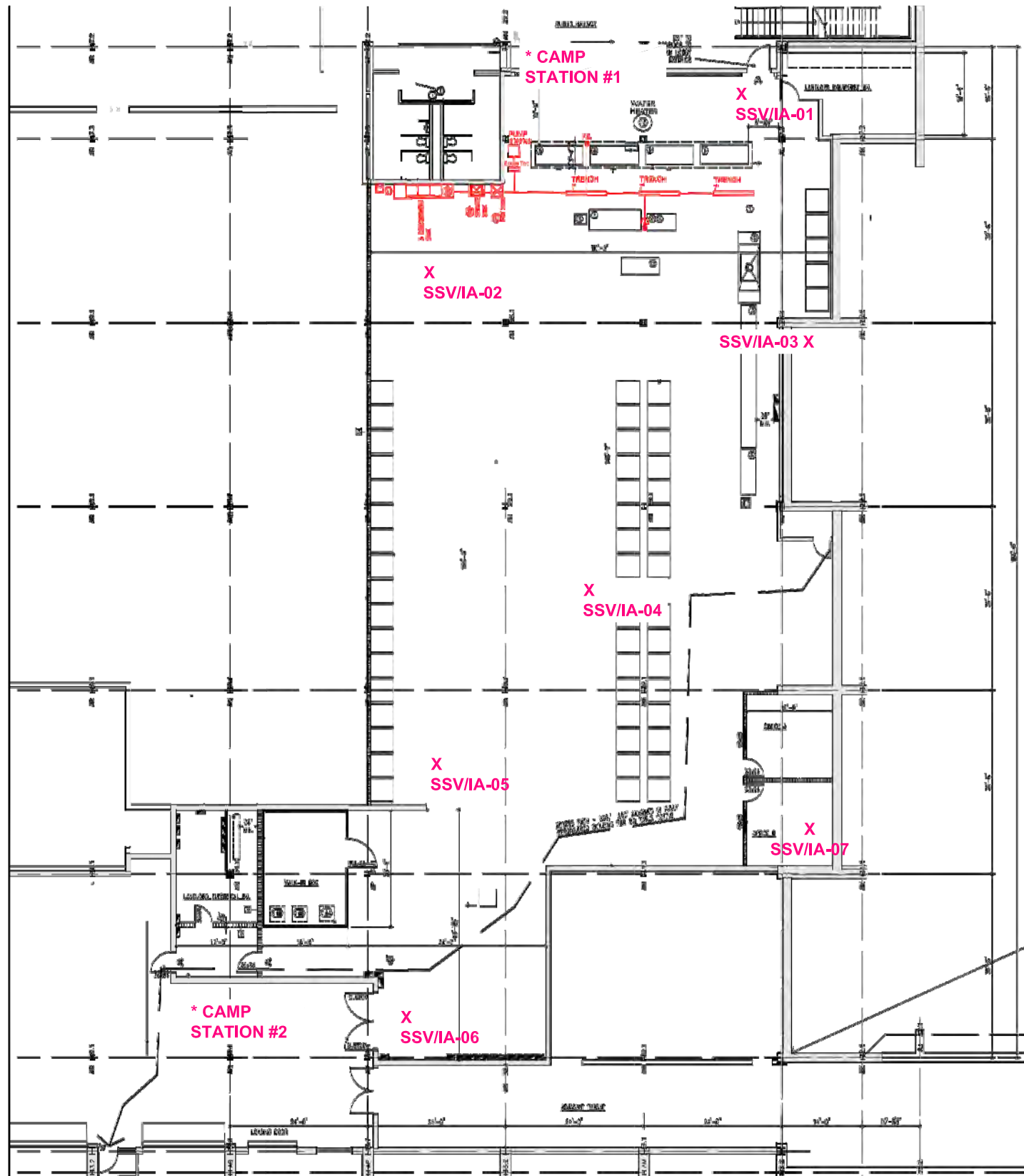


SITE PLAN
N.T.S.

REVISION		
No.	DATE	COMMENTS

FOR:	
BUILDING 710 (FORMER 330 LINK)	
iPark 84 Campus	
2070 State Route 52	
Hopewell Junction, NY 12533	
DESIGNED BY: NMB	DRAWN BY: EJK
APPROVED BY: JMH	SCALE: AS NOTED

DRAWING TITLE:			
SITE PLAN			
BUILDING 710-FOOD			
MANUFACTURING OPERATION			
FIGURE NO:		ISSUED	
1		0	
REVISION NO:		SHEET NO: 1 OF 2	
JOB NO: IPARK0118.41		DATE: 5/22/20	
CAD FILE NAME: Z:\IPark\0118\IPark0118.41 08kg 710 former 330 Link\Pre-Construction Report\Updated Figures.dwg		11x17	



N



X IA - ACTUAL SUB-SLAB AND IA SAMPLING LOCATION

DRAWING TITLE:

FIGURE 3
LAMILPA SPACE LAYOUT
IA SAMPLING LOCATION

JOB NO: iPark118.41 DATE: 5/22/20 11x17 SHEET NO: 2 OF 2
CAD FILE NAME: Z:\iPark0118\iPark0118.41 Bag 710 former 330 Link\Pre-Construction Report\Updated Figures.dwg



WALDEN ENVIRONMENTAL ENGINEERING, PLLC
16 SPRING STREET
OYSTER BAY, NEW YORK 11771
P: (516) 624-7200 F: (516) 624-3219

Walden Environmental
Engineering

WWW.WALDENENVIRONMENTALENGINEERING.COM

APPENDICES

APPENDIX A

Building 710 (Formerly 330 Link) La Milpa De Rosa Space Retrofit Activities Work Plan and NYSDEC Conditional Approval Letter (May 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

May 13, 2020

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

Re: Building 330 Link (B710) La Milpa De Rosa Space
Retro-Fit Activities Work Plan
Former IBM East Fishkill Facility, East Fishkill, New York
NYSDEC Site No. 314054, EPA ID NYD000707901

Dear Mr. Cotter:

The Department of Environmental Conservation (Department) has reviewed the Retro-Fit Activities Work Plan submitted by Walden Environmental Engineering, PLLC on behalf of National Resources on April 10, 2020. The retrofit for La Milpa De Rosa space is located within the Building 330 Annex (Building 710). The retrofit will require the installation of new floor drainage lines and trenches. This work plan lays out the sampling required for the subsurface soils, and includes an Intrusive Activities Work Plan and Community Air Monitoring Plan. This work plan also includes indoor air quality testing in the space prior to tenant occupancy. However, without current sub-slab soil vapor data from beneath this building, the Departments are unable to conclude that the proposed indoor air sample locations will be representative of current air conditions within the building. Therefore, the Departments request that sub-slab vapor and indoor air samples be collected concurrently once the retrofit is complete.

This workplan is conditionally approved with the inclusion of the sub-slab vapor sampling. Please notify the Departments when work begins. If you have any questions, please feel free to contact me at (518) 402-9821.

Sincerely,



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

ec: M. Buckley, iPark
C. Monheit, National Resources
N. Brew, Walden
J. Heaney, Walden
D. Chartrand, IBM
E. Lutz, GF



Department of
Environmental
Conservation



G. Marone, GF
S. Edwards, NYSDEC - DER
J. Armitage, NYSDEC - DER
B. Conlon, NYSDEC - OGC
J. Kenney, NYSDOH
M. Schuck, NYSDOH

**BUILDING 710 (FORMERLY 330 LINK)
LA MILPA DE ROSA SPACE
RETROFIT ACTIVITIES WORK PLAN**

**AT
PARK 84
FORMER IBM EAST FISHKILL FACILITY**

APRIL 2020 (REVISED MAY 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 ————



May 14, 2020
iPARK0118.41

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 710 (Formerly 330 Link)
La Milpa De Rosa Space
Retro-Fit Activities Work Plan

Dear Ms. LaClair:

Walden Environmental Engineering, PLLC (Walden) is submitting this Retro-Fit Activities Work Plan on behalf of iPark East Fishkill, LLC (iPark/Owner), the owner of Building 710 (formerly Building 330 Link) at the iPark 84 Former IBM East Fishkill Facility located in Hopewell Junction, New York. iPark is leasing space within Building 710 at the iPark 84 site to La Milpa De Rosa (La Milpa), a food manufacturer. La Milpa requires the installation of new floor drainage lines to supplement the existing floor drainage structures and trenches within the space. This retrofitting activity involves the removal of sections of the concrete building slab, and disturbance of subsurface soil beneath the slab in order to install the trenches. This Work Plan outlines the steps that will be taken by iPark to ensure compliance with the Interim Site Management Plan (ISMP) and Intrusive Activities Work Plan (IAWP) while the intrusive activities associated with this indoor construction project take place. ***Note that this Work Plan has been updated to include pre-construction soil vapor intrusion (SVI) sampling of sub-slab vapor and indoor air based on NYSDEC's May 13, 2020 conditional approval letter (see Attachment A). Revisions to the Work Plan are indicated in bold italics; Figures 2 and 3 have also been updated.***

On November 26, 2019, Walden, on behalf of iPark, submitted the 60-day advance change of use notification to NYSDEC and NYSDOH is attached for the proposed food manufacturing



operation in Building 710. NYSDEC responded to the 60-day notification on December 20th, indicating that any disturbance of the slab requires sub-slab sampling and a special requirements CAMP. Copies of the 60-day notification and NYSDEC response are presented in Attachment **B**.

This Work Plan includes the following information:

- A detailed description of the project including the location and extent of the work, applicable plans, estimated volumes of soil to be excavated, and any potential impacts to existing engineering controls;
- A summary of environmental conditions within the work area including the nature and concentration levels of contaminants of concern;
- Plans for pre-construction sampling and waste characterization sampling;
- A statement that the work will be performed in compliance with the IAWP, which is included as Appendix C of the ISMP;
- The Health and Safety Plan (HASP) and special requirements Community Air Monitoring Plan (CAMP) to be implemented during the intrusive activities;
- Handling and disposal details for potential waste streams; and
- Plans to perform indoor air sampling after the interior modifications within the La Milpa space are completed, to clear the space for occupancy by the tenant.

Project Description

La Milpa is anticipated to occupy approximately 14,900 ft² within Building 710 in the eastern portion of the first floor on the iPark 84 campus. See Figure 1 for the location map and Figure 2 for details on the proposed layout of the La Milpa space, which will be used for food manufacturing. The remainder of the first-floor areas in Building 710 are unoccupied. The only tenant in the second floor of Building 710 consists of a cafeteria operated by Global Foundries.

In order to retrofit the space for La Milpa's needs, approximately 80 to 90 linear feet (lf) of trenching will be performed to install floor drains and piping associated with various sinks. In addition, a grease trap and pump will be installed beneath the slab. The areas where construction involves disturbance to the slab are shown in red on Figure 2. The trenches will be approximately one (1) foot deep and one (1) foot wide, while the grease trap and pump will be installed approximately three (3) feet below the slab. All intrusive work will be performed in



accordance with the attached HASP (Attachment C) and special requirements CAMP (Attachment D) as discussed below.

Pre-Construction Soil Sampling

Prior to cutting the slab and conducting trenching activities, **a Ground Penetrating Radar (GPR) survey will be conducted within the space to clear all sampling locations. Following the GPR,** soil samples will be collected from beneath the slab. The sampling will be performed to evaluate contaminant levels in the soil and to characterize exposure risks. One (1) sample set shall be collected at the five (5) locations shown on Figure 2 (SS-1 through SS-5). A concrete core drill (with an integral wet system) will be used to drill through the slab using water for dust control. Immediately after the concrete core is removed at each location, a small diameter hand auger will be used to collect a soil sample from one (1) to two (2) feet below the bottom of the slab at locations SS-1 through SS-4, and from three (3) to four (4) feet below the bottom of the slab at location SS-5 (in the area of the proposed pump and grease trap). The top layer of soil directly beneath will not be sampled in order to avoid the potential for inaccurate results associated with soil wetting due to the coring equipment and release of VOCs due to soil disturbance in the 0'-1' interval. Real-time air monitoring shall be performed during the drilling and sampling activities in accordance with the HASP and CAMP.

The soil samples will be submitted to an ELAP-certified laboratory for VOCs via EPA Method 8260, Semi Volatile Organic Compounds (SVOCs) via EPA Method 8270, and Metals via EPA Method 6010C. The soil analytical results will be compared to the NYCRR Part 375-6.8(b) Soil Cleanup Objectives (SCOs). If the soil meets the Industrial Use SCOs, excess soils from the floor trenching and drainage installation work described below will be used as backfill or transferred to Lot 3 where it will be stockpiled for future re-use on-site upon approval from NYSDEC and NYSDOH. Any soils that do not meet the SCOs for industrial use will be properly disposed of off-site.

Pre-Construction Sub-Slab Soil Vapor and Indoor Air Sampling

Seven (7) temporary sub-slab soil vapor sampling points will be installed throughout the space. Temporary points will be installed using inert 1/4" polyethylene tubing and sealed with coarse sand and hydraulic cement in accordance with the NYSDOH Soil Vapor Intrusion Guidance Section 2.7.2, Paragraph B. Seven (7) sub slab soil vapor samples, seven (7) indoor air samples, and one (1) outdoor ambient air samples will be collected within and outside of the La Milpa space during the sampling event. The sub-slab and indoor air samples will be dispersed throughout the space. The estimated sampling locations are provided on Figure 3. The outdoor ambient air sampling location will be upwind of the LaMilpa space, as determined based on wind direction at the time of sampling. Prior to the sampling, a comprehensive inspection of Building 710 (330 Link) will be conducted as part of the pre-construction sampling. Any sumps, drains, piping or other features will be recorded.



The sub-slab vapor samples and indoor air samples will be collected over an 8-hour sampling period. 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 calls for both the 6-Liter Summa® canisters and regulators used to collect sub-slab vapor, indoor air and outdoor ambient air samples to be individually certified clean by the laboratory. Walden shall use individually certified Summa® canisters with individually certified regulators provided by the laboratory.

The sub-slab soil vapor, indoor air and outdoor background air samples will be analyzed for VOC analytes via modified Method TO-15 as specified in the June 2009 RFI Work Plan to achieve lower reporting limits via selective ion monitoring for TCE, vinyl chloride and carbon tetrachloride.

Floor Trenching and Drainage Installation

While cutting the building slab, power tools with integral dust management features shall be utilized. Approximately five (5) cubic yards of soil will be generated as a result of this installation. All soil will be appropriately handled and disposed of. During this work, the contractor will implement actions to protect workers and adjacent tenant spaces from contaminant releases in accordance with the HASP and special requirements CAMP, which are further discussed below. All exposed trenches will be covered with plastic sheeting to the extent possible, as site work allows. All trenches will be covered overnight with plastic. Excess soil generated by all excavation work shall be either stockpiled on top of plastic and covered with weighted tarps, or placed into drums and covered.

Any concrete demolition material proposed for reuse on-Site will be sampled for asbestos and the results will be reported to the NYSDEC for acceptance. Concrete crushing or processing on-Site will not be performed without prior NYSDEC approval.

Concrete and demolition material will be reused on site, as allowable, or disposed of appropriately off-site. If a soil sample is found to contain hazardous material, NYSDEC shall be notified and the soil shall be disposed of at an appropriate facility in accordance with federal, state, and local laws.

Health and Safety Plan

iPark and its subcontractors shall adhere to the HASP that is provided in Attachment C for all intrusive work that will be conducted under this Work Plan. Health and Safety air monitoring will take place during work to monitor workers' exposure. Only on-Site personnel who have received 40-hour OSHA Hazardous Waste Operations and Emergency Response (HAZWOPER) training and annual 8-hour refresher training (and have proof of certified HAZWOPER training) will be allowed in the exclusion zone and contaminant reduction zone per the HASP. The air



monitoring described below will provide data to monitor worker exposure and support measures to ensure worker safety in accordance with the HASP.

Special Requirements CAMP Air Monitoring

The Community Air Monitoring Program (CAMP) provided in Attachment **D** shall be implemented during sampling and construction work involving intrusive activities. Because the construction will be performed inside the building, the CAMP includes special requirements for monitoring to ensure that tenants occupying other spaces in Building 710 are not exposed from VOC and particulates released during the La Milpa work.

Prior to the beginning of any planned construction work within the La Milpa space, background VOC and dust concentrations will be measured in the work area and other tenant-occupied spaces in Building 710 (including the second-floor Global Foundries Cafeteria). In addition, the location of all exhaust vents in the La Milpa space and their discharge points, as well as potential vapor pathways (openings, conduits, etc.) relative to adjoining rooms, will be evaluated and background concentrations will be measured in spaces that share the same ventilation/exhaust system as La Milpa. Exhaust intake vents within the workspace may be sealed if appropriate. Any unusual background readings will be discussed with NYSDEC and NYSDOH prior to commencement of the work. The CAMP air monitoring stations will be established based on the findings of the pre-construction evaluation and the ventilation system layout.

Air monitoring for VOCs and particulates shall take place during intrusive work activities that take place within the building. The VOC and particulate concentrations shall be collected prior to the start of work each day to obtain a baseline condition of the space for that workday.

VOC concentrations will be monitored using Mini Rae 3000 Photo-ionization detectors (PID) (or equivalent) and Dusttraks (or equivalent) will be used to monitor particulate concentrations. The PIDs and Dusttraks will be calibrated daily in accordance with the instrument manufacturers' instructions; all calibrations will be recorded in Walden's field book. Two (2) air monitoring stations will be set up at the locations determined during the pre-construction evaluation as detailed above. Each air monitoring station will have a PID and a dust meter connected to a data logger to continuously record the breathing zone VOC and dust concentrations during the work day, from before the work starts until after the last workers leave the area each day.

Walden will record the VOC and dust concentrations at each monitoring station every fifteen minutes (at a minimum) during the work day to ensure that appropriate actions are implemented when needed based on the action levels presented below. In addition, Walden will use a third PID during the work to monitor breathing zone VOC concentrations in the immediate vicinity of the work activities to ensure the workers are protected in accordance with the HASP. Similarly, a multi-gas meter will be used to continually measure the concentrations of hydrogen sulfide,



oxygen, lower explosive limit, carbon monoxide and chlorine in the indoor air within the work area.

The air monitoring action levels as stated in the CAMP, including the special requirements are as follows:

- If the ambient air concentration of total organic vapors at the downwind perimeter of the work area or exclusion zone exceeds five (5) parts per million (ppm) above background for the 15-minute average, work activities must be temporarily halted and monitoring continued. If the total organic vapor level readily decreases (per instantaneous readings) below five (5) ppm over background, work activities can resume with continued monitoring. □
- If total organic vapor levels at the downwind perimeter of the work area or exclusion zone persist at levels in excess of five (5) ppm over background but less than twenty-five (25) ppm, work activities must be halted. The source of vapors must be identified, corrective actions taken to abate emissions, and monitoring continued. After these steps, work activities can only resume provided that the total organic vapor level 200 feet downwind of the exclusion zone or half the distance to the nearest potential receptor or residential/commercial structure, whichever is less - but in no case less than twenty (20) feet, is below five (5) ppm over background for the 15-minute average.
- If the organic vapor level is above twenty-five (25) ppm at the perimeter of the work area, activities must be shutdown. Work methods and controls will be re-evaluated.
- If total VOC concentrations opposite the walls of occupied tenant spaces or next to intake vents exceed 1 ppm, monitoring will be performed within the occupied spaces. Depending upon the nature of contamination, chemical-specific colorimetric tubes of sufficient sensitivity may be utilized to compare the exposure point concentrations with appropriate pre-determined response levels (response actions will be pre-determined).
- If total particulate concentrations opposite the walls of occupied structures or next to intake vents exceed 150 mcg/m³, work activities shall be suspended until controls are implemented and are successful in reducing the total particulate concentration to 150 mcg/m³ or less at the monitoring point. If VOC readings exceed 5 parts per million (ppm) in these same locations, work activities shall be suspended. Any exceedances will be documented, and the NYSDEC and NYSDOH will be notified by the end of the same day.



If the action levels for VOCs or dust are exceeded, exhaust fans or other engineering controls may be used on an as-needed basis to create negative air pressure within the work area during the intrusive construction activities. Dust and particulate control measures, such as water misting, may also be implemented to prevent generation of dust and particulate matter during the work activities as needed. Vapor/dust barriers, temporary negative-pressure enclosures, or special ventilation devices will be considered in order to prevent exposures related to the work activities. If necessary, the work may be scheduled to take place when potentially exposed populations are at a minimum, such as during weekends or evening hours.

If the VOC or dust concentrations exceed the action criteria at the end of a work day, Walden's oversight staff will remain on-Site to oversee the engineering controls and continue air monitoring until the elevated concentrations dissipate to concentrations below the action levels. VOC and dust concentrations will be documented just before Walden leaves the work area each day. Fans may be left running overnight to ventilate the space as needed.

If Walden's air monitoring staff observes elevated VOC concentrations which occur as a direct result of the on-Site contractor's work (such as the use of certain plumbing compounds), the work will be paused and Walden will review the Safety Data Sheets (SDS) for the commercial products as applicable to determine the chemical components and the respective OSHA permissible exposure levels (PELs, 8-hour time weighted averages), consistent with 29 CFR 1910.1000. If it is confirmed that the VOC concentrations do not exceed the applicable PELs, the on-site personnel may continue to work while engineering controls are utilized to increase ventilation in the work area and reduce VOC concentrations. In this case, the VOC concentrations will be closely monitored outside the work area to confirm that the elevated VOC concentrations are localized/limited to the immediate work zone and do not migrate from the work space to occupied areas of Building 710.

CAMP air monitoring will cease when construction permanently covers the sub-slab soils such that they are no longer exposed. CAMP air monitoring reports will be submitted to the State on a weekly basis during the intrusive construction work.

Indoor Air Quality Testing Prior to Tenant Occupancy

Following the completion of the La Milpa space interior renovation activities, Walden will perform Indoor Air Quality (IAQ) testing in the space prior to tenant occupancy. The testing will be performed in order to assess whether the building modifications have impacted the potential for soil vapor intrusion and associated IAQ impacts, and to confirm that indoor air quality is acceptable in the La Milpa space. The IAQ sampling will be conducted 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. During the IAQ sampling, iPark will ensure that the La Milpa HVAC



system is operating under the same conditions anticipated during normal operations once the tenant takes occupancy.

The proposed IAQ sampling locations within the La Milpa space are shown on Figure 3 and listed below. The actual sampling locations will be determined in the field. Any significant changes from the locations shown on Figure 3 will be discussed with NYSDEC and NYSDOH to gain the State's concurrence before sample collection begins. The entire La Milpa space is located in Heating Ventilation and Air Conditioning Zone 60.

Sample ID	Sampling Area	HVAC Zone	Anticipated Duration of Occupancy
IA-01	Inside Entrance from Lobby	60	Sporadic
IA-02	Sinks Area	60	Sporadic
IA-03	Conveyor Area	60	Frequent
IA-04	Production Area	60	Frequent
IA-05	Production Area	60	Sporadic
IA-06	Near Walk-in Box	60	Sporadic
IA-07	Office	60	Frequent

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 one of the HVAC unit intakes to assess background conditions and identify any background impacts to IAQ.

Note that NYSDEC's May 13, 2020 conditional approval letter requests that sub-slab vapor and indoor air samples be collected concurrently once the retrofit is complete.

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 modified Method TO-15 as specified in the June 2009 *RFI Work Plan* 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. Data generated during the La Milpa IAQ sampling activities will be stored and managed in a Microsoft® (MS) Access™ database and shared with IBM.

Upon reviewing the IAQ sampling summary report, NYSDEC and NYSDOH will determine whether the La Milpa tenant can take occupancy and begin operating. Note that iPark will provide the results of the IAQ sampling to the La Milpa tenant within 45 days of receiving the validated data.

Ms. Jessica LaClair
Bldg. 710 La Milpa Work Plan
May 14, 2020

- 9 -



Reporting

Following the completion of the construction project, a letter summary report shall be prepared and supplied to NYSDEC. The letter report shall include an overview of the activities that took place; a description of the air monitoring activities, results, exceedances (if any) and engineering controls utilized to control VOC and dust concentrations during the work; photo documentation of the work activities; a description of the soil sampling performed before construction began and the results of the sampling; and the final use/disposal of the soil.

If you have any questions or require any additional information, please call (516) 624-7200.

Very truly yours,
Walden Environmental Engineering, PLLC

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

Erica Johnston
Environmental Scientist

cc: M. Buckley, iPark East Fishkill, LLC
C. Monheit, iPark East Fishkill, LLC

Figure 1 – Site Plan

Figure 2 – Building 710 Trenching/Drainage Work Layout and Proposed Soil Sampling Locations

Figure 3 – La Milpa Space Proposed Sub Slab Soil Vapor and IAQ Sampling Locations

Attachment A – NYSDEC Conditional Work Plan Approval Letter (May 13, 2020)

Attachment B – 60-Day Notification

Attachment C – Health and Safety Plan

Attachment D – Community Air Monitoring Plan (Including Special Requirements)

Z:\ipark0118\ipark0118.41 Bldg 710 Former 330 Link\Retro-Fit Work Plan\ipark Building 710 (330 Link) La Milpa Work Plan April 2020
Updated 5.14.2020.Doc

FIGURE 1
SITE PLAN



PROPOSED WORK AREA

SITE PLAN
N.T.S.



WALDEN ENVIRONMENTAL ENGINEERING, PLLC
iPark 84 Campus, 200 North Drive, Suite #108
Hopewell Junction, New York 12533
P: (845) 253-8025; (516) 624-7200
F: (516) 624-3219

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REVISION		
No.	DATE	COMMENTS

FOR:
BUILDING 710 (FORMER 330 LINK)
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 710- FOOD
MANUFACTURING OPERATION

JOB NO: IPARK0118.41
CAD FILE NAME: 2:\Park0118\IPark0118.41 Bldg 710 former 330 Link\CAD\IPark0118.41 Bldg 710 former 330 Link.dwg

FIGURE NO:
1

ISSUED
0

REVISION NO:
0

SHEET NO: 1 OF 2

FIGURE 2
BUILDING 710 TRENCHING/DRAINAGE WORK LAYOUT AND PROPOSED SOIL
SAMPLING LOCATIONS

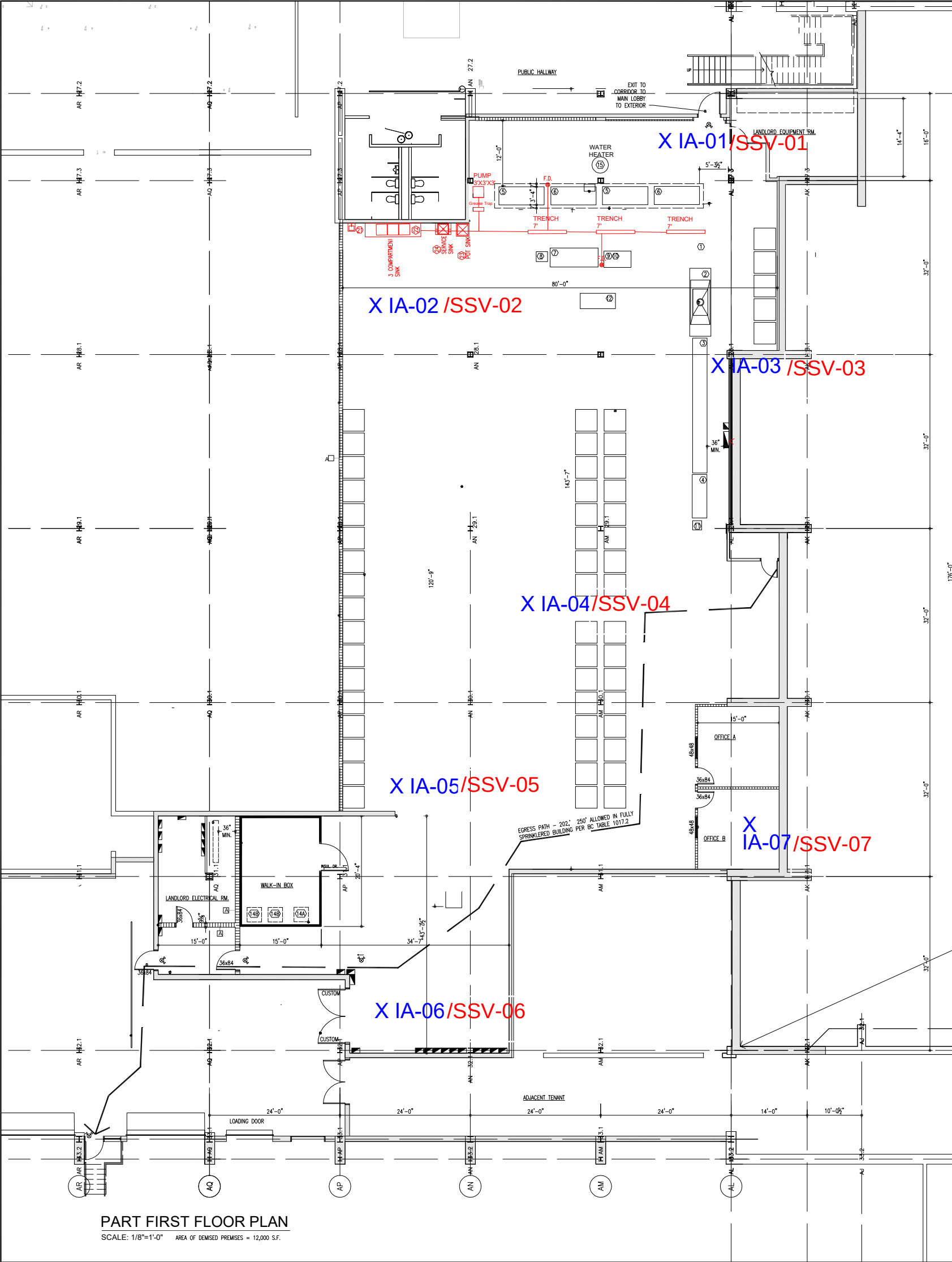


X - PROPOSED SUB-SLAB SOIL SAMPLING LOCATION

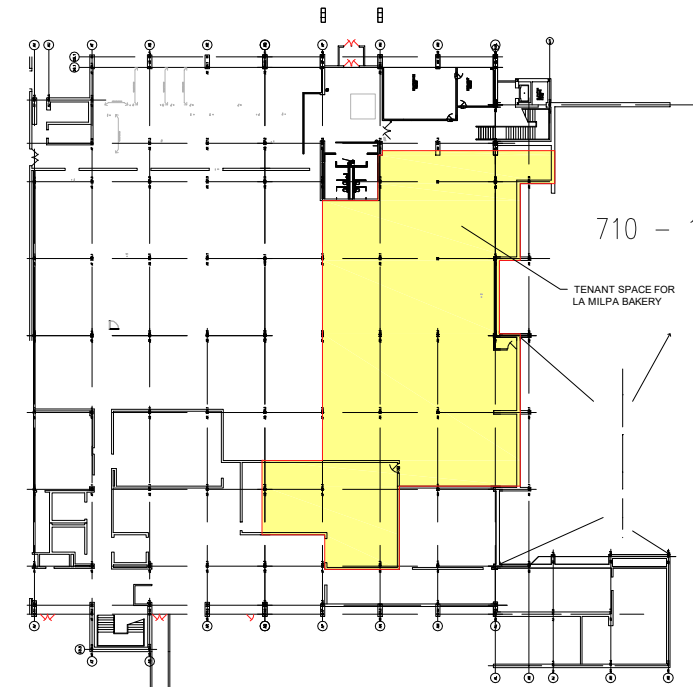
SPACE FOR APPROVAL STAMPS

[illegible]

FIGURE 3
LA MILPA PROPOSED SUB SLAB SOIL VAPOR AND INDOOR AIR SAMPLING
LOCATIONS



PART FIRST FLOOR PLAN
SCALE: 1/8"=1'-0" AREA OF DEMISED PREMISES = 12,000 S.F.



FIRST FLOOR KEY PLAN
SCALE: 1/32"=1'-0"

EQUIPMENT SCHEDULE																	
NO.	NAME	MANUF	MODEL NO.	LENGTH	DEPTH	HEIGHT	AMPS	KW	VOLTS	PHASE	CYCLE	CW	HW	IND. WASTE	GAS	MBTUH	REMARKS
1	MASA FEEDER	CASA HERRA	MFE	55	30	66	6.8	0.4	220	3	60						
2	CORN OVEN	CASA HERRA	DCO/20/17	150	47	64	11.0	0.4	220	3	60				1.5	750	
3	CONVEYOR	PRO ENGINEER	CCIS7180	298	32	72	6.3	0.3	230	3	60						
4	COUNTER STACKER	ARR TECH	22-20C	96	30 1/2	52	11.0	4.0	240	3	60						
586	COOKING TANKS	CASA HERRA	1000 LBS	100	40	39	15.0	0.5	120	1	60	0.75		2	1.5	500	
7	CORN WASHER	CASA HERRA	CUE	106	42	102.5	15.0	0.5	220	1	60	0.75		2			
8	TRANSFER PUMP	WALKESHA	TFC-GWD #60-081	25	22	32	32.0	1.5	230	1	60						
9	CORN FEEDER (MOUNTED ATOP NO. 10)	TBD					11.0	4.0	240	3	60						
10	CORN GRINDER	TBD	22-20C	60	36	72	125.0	32.0	220	3	60						
11	CHIP CHOPPER			20	20	65											
12	MIXER			78	34	68	12		220	3	60						
13A	COMPRESSOR FOR FREEZER/CONDENSER			32	32	72			208-230	1	60						MCA 17.71
13B	COMPRESSOR FOR FREEZER/CONDENSER						VARIES		208-230	1	60						FAN AMP 1; DEFROST AMPS: 9.8
14A	COMPRESSOR FOR W.I.BOX: POWER						9.3		208-230	1	60						RLA: 9.3
14B	COMPRESSOR FOR W.I.BOX: 2 EVAPTR'S						1.8 EA.		115	1	60						2 EVAPORATORS - FAN AMP 1.8
15	HOT WATER HEATER																
16	STAINLESS STEEL WORK TABLE	TBD															
17	STAINLESS STEEL WORK TABLE	TBD															
21	HAND SINK	REUSE										X	X				
22	3 COMPARTMENT SINK	REUSE										X	X	X			
23	POT SINK	REUSE										X	X	X			
24	SERVICE SINK	REUSE										X	X				

X - PROPOSED IAQ SAMPLING LOCATION
AND SUB SLAB SOIL VAPOR SAMPLING
LOCATION

SPACE FOR APPROVAL STAMPS

3/21/2020 3:33:38 AM
H:\Cadd\Drawings\2020\2023\2023 Milpa Bakery\2023 Milpa Bakery\2023 - 101 FLOOR PLAN.dwg
DRAWING NO. A-101
SCALE: AS NOTED
JOB NO. 2023
DATE: 01.20
DRAWN BY: [Signature]

PROPOSED INTERIOR ALTERATIONS
LA MILPA BAKERY
2070 RTE. 52 BUILDING 710
BROOKLYN, NY 11216
BLOCK: [Blank] LOT: [Blank] ZONE: [Blank]
D'AMORE DESIGN STUDIO
ARCHITECTS & PLANNERS A I A
136 Stevens Ave. Mount Vernon NY 10550 Tel: 914-687-5321 info@damedesign.com

DATE REVISION BY
[Blank Table]

DATE DISTRIBUTION BY
[Blank Table]

TO THE BEST OF MY KNOWLEDGE, BELIEF AND PROFESSIONAL JUDGMENT, THESE PLANS AND SPECIFICATIONS ARE IN COMPLIANCE WITH THE BUILDING CONSERVATION CODE OF NEW YORK STATE.

ANY UNAUTHORIZED ALTERATION OF OR ADDITION TO THIS DRAWING IS A VIOLATION OF SECTION 2203 OF THE N.Y.S. EDUCATION LAW. SUCH ALTERATION SHALL BE CONSIDERED A VIOLATION OF THE N.Y.S. EDUCATION LAW. THESE PLANS, SPECIFICATIONS AND NOTES, WHEN SIGNED AND SEALED BY THE ARCHITECT, ARE THE ARCHITECT'S PROFESSIONAL OPINION. NO PART OF THIS SERVICE MAY BE REPRODUCED OR TRANSMITTED IN ANY FORM OR BY ANY MEANS, ELECTRONIC OR MECHANICAL, INCLUDING PHOTOCOPYING, RECORDING, OR BY ANY INFORMATION STORAGE AND RETRIEVAL SYSTEM, WITHOUT THE WRITTEN PERMISSION OF THE ARCHITECT.

FIRST FLOOR PLAN AND EQUIPMENT SCHEDULE

ATTACHMENT A
NYSDEC COMMENT LETTER

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

May 13, 2020

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

Re: Building 330 Link (B710) La Milpa De Rosa Space
Retro-Fit Activities Work Plan
Former IBM East Fishkill Facility, East Fishkill, New York
NYSDEC Site No. 314054, EPA ID NYD000707901

Dear Mr. Cotter:

The Department of Environmental Conservation (Department) has reviewed the Retro-Fit Activities Work Plan submitted by Walden Environmental Engineering, PLLC on behalf of National Resources on April 10, 2020. The retrofit for La Milpa De Rosa space is located within the Building 330 Annex (Building 710). The retrofit will require the installation of new floor drainage lines and trenches. This work plan lays out the sampling required for the subsurface soils, and includes an Intrusive Activities Work Plan and Community Air Monitoring Plan. This work plan also includes indoor air quality testing in the space prior to tenant occupancy. However, without current sub-slab soil vapor data from beneath this building, the Departments are unable to conclude that the proposed indoor air sample locations will be representative of current air conditions within the building. Therefore, the Departments request that sub-slab vapor and indoor air samples be collected concurrently once the retrofit is complete.

This workplan is conditionally approved with the inclusion of the sub-slab vapor sampling. Please notify the Departments when work begins. If you have any questions, please feel free to contact me at (518) 402-9821.

Sincerely,



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

ec: M. Buckley, iPark
C. Monheit, National Resources
N. Brew, Walden
J. Heaney, Walden
D. Chartrand, IBM
E. Lutz, GF



Department of
Environmental
Conservation



G. Marone, GF
S. Edwards, NYSDEC - DER
J. Armitage, NYSDEC - DER
B. Conlon, NYSDEC - OGC
J. Kenney, NYSDOH
M. Schuck, NYSDOH

ATTACHMENT B
60-DAY NOTIFICATION FOR BUILDING 710 (FORMER 330 LINK)
AND NYSDEC RESPONSE

Attachment to 60-Day Notification for Building 710 (formerly Building 330 Link)

Proposed Change of Use

Former IBM East Fishkill Facility – DEC Site ID No. 314054

Proposed Date for Change of Use Date

The proposed change of use date indicated on the form is iPark East Fishkill LLC's (iPark) tentative target date, recognizing that State approval is required before the work activities can begin. Upon approval from the State, iPark plans to proceed with the modifications to Building 710 (former Building 330 Link) while satisfying all NYSDEC requirements that must be fulfilled prior to tenant occupancy for a food manufacturing operation.

Description of Proposed Change of Use

iPark proposes to lease the first floor of Building 710 (former Building 330 Link) at the iPark 84 site (Former IBM East Fishkill Facility) to a food manufacturing operation. Building 710 (former Building 330 Link) was formerly used by IBM for data operations and offices; the space is currently vacant. The locations of Building 710 and the planned food manufacturing area are called out on the attached site figures.

iPark does not plan to disturb the existing floor slab in the proposed Building 710 food manufacturing space as part of the fit up. The floors will be sealed and the HVAC systems serving the food manufacturing space will be modified. Additional details on the proposed modifications will be provided as the plans are developed.

Discussion of How the Proposed Change of Use Will Not Affect the Remedial Program at the Former IBM East Fishkill Facility

IBM and iPark have performed indoor air quality testing in various portions of Buildings 700 (former Building 330D) and 775 (former Building 330C), spaces located on either side of Building 710 (former Building 330 Link) as part of the RFI Work Plan (IBM testing) and pre-occupancy testing (iPark for the Country Produce and Crepini spaces). IBM installed and currently operates Sub-Slab Depressurization Systems (SSDS) in Buildings 700 and 755 in order to mitigate sub-slab vapors containing elevated concentrations of VOCs from beneath the Crepini space (in 80K Area), Country Produce space, and adjoining areas.

iPark will coordinate with IBM to perform sampling to evaluate and characterize environmental and health risks associated with Building 710. If the fit out of the food manufacturing space involves any trenching or disturbance of soils beneath the floor slab (not anticipated at this time) sampling would be conducted prior to any interior trenching and drainage work and a special requirements CAMP would be

implemented during any indoor intrusive activities. If intrusive activities are required, a work plan would be submitted to the State for review and approval.

Once the interior modifications are completed, indoor air sampling will be performed. The indoor air quality testing results will be evaluated to verify that indoor air quality is acceptable before the tenant takes occupancy and to determine the need for mitigation. Appropriate mitigation measures will be designed and installed if necessary.



PROPOSED WORK AREA

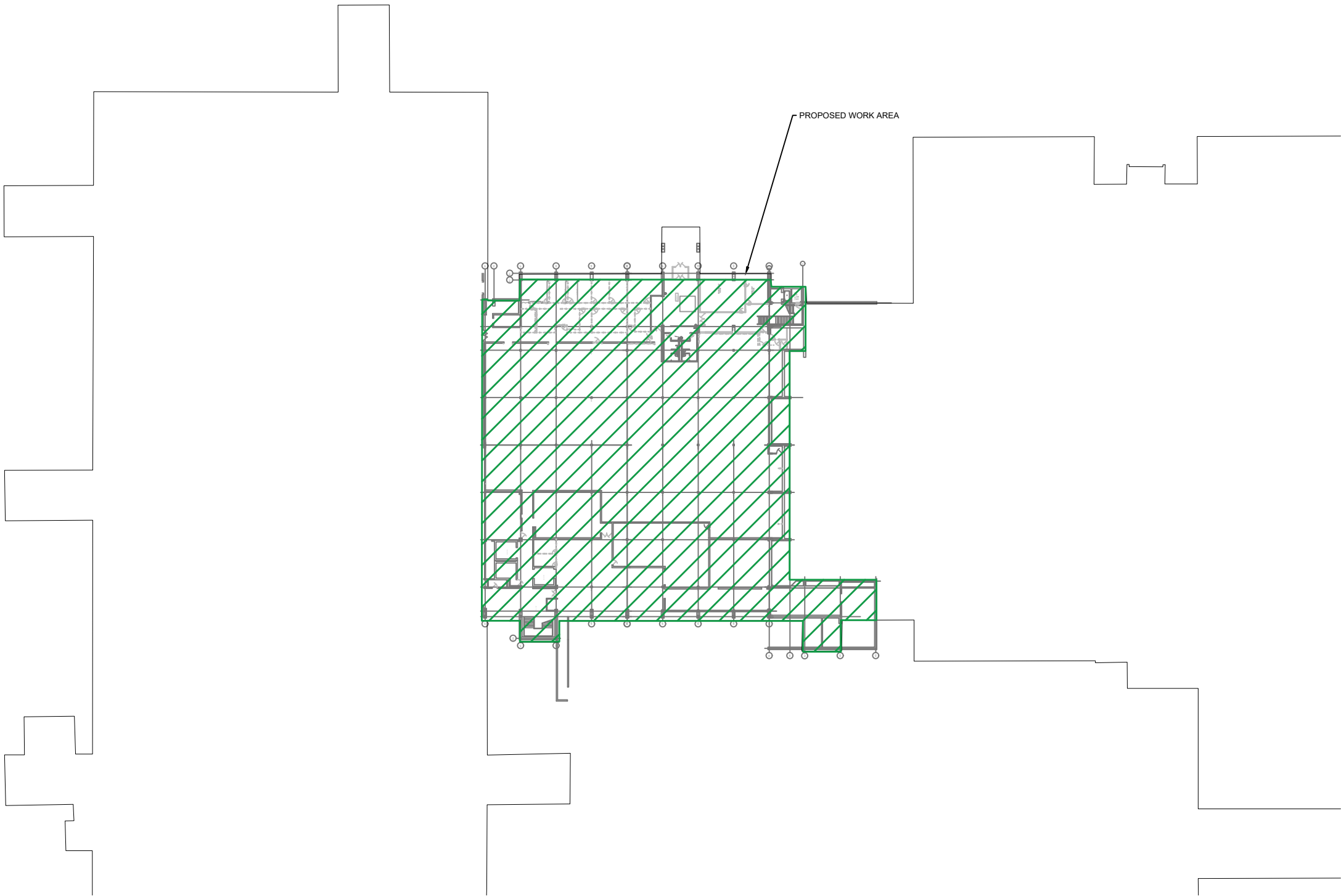
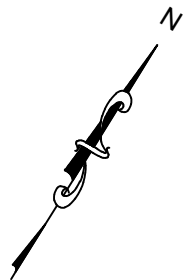
SITE PLAN
N.T.S.

REVISION		
No.	DATE	COMMENTS

FOR: BUILDING 710 (FORMER 330 LINK) iPark 84 Campus 2070 State Route 52 Hopewell Junction, NY 12533	
DESIGNED BY: NMB	DRAWN BY: EJK
APPROVED BY: JMH	SCALE: AS NOTED

DRAWING TITLE: SITE PLAN BUILDING 710- FOOD MANUFACTURING OPERATION	
JOB NO: IPARK0118.41	DATE: 11/26/19
CAD FILE NAME: 2:\IPark0118\IPark0118.41 Bldg 710 former 330 Link\CAD\IPark0118.41 Bldg 710 former 330 Link.dwg	

FIGURE NO: 1	ISSUED
SHEET NO: 1 OF 2	REVISION NO: 0



LEGEND

 - FOOD MANUFACTURING OPERATION

**BLDG 710 (FORMERLY 330 LINK) FOOD
MANUFACTURING OPERATION**

SCALE: 1" = 80'-0"



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REVISION		
No.	DATE	COMMENTS

FOR: BUILDING 710 (FORMER 330 LINK) iPark 84 Campus 2070 State Route 52 Hopewell Junction, NY 12533	
DESIGNED BY: NMB	DRAWN BY: EJK
APPROVED BY: JMH	SCALE: AS NOTED

DRAWING TITLE: WORK AREA BUILDING 710- FOOD MANUFACTURING OPERATION			
JOB NO: IPARK0118.41	DATE: 11/26/19	11x17	SHEET NO: 2 OF 2
CAD FILE NAME: 2:\IPark0118\IPark0118.41 Bldg 710 former 330 Link\CAD\IPark0118.41 Bldg 710 former 330 Link.dwg			

FIGURE NO: 2	ISSUED 0
REVISION NO: 0	

From: LaClair, Jess A (DEC) <jess.laclair@dec.ny.gov>
Sent: Friday, December 20, 2019 11:00 AM
To: Nora Brew; jcotter@nationalresources.com
Cc: Mike Buckley; Carl Monheit; Dean Chartrand; Gary Marone; Erica M Johnston; Kenney, Julia M (HEALTH); Edwards, Susan L (DEC); Schuck, Maureen E (HEALTH); Conlon, Benjamin (DEC)
Subject: RE: iPark 84 - 60 Day Advance Notification - Building 710 (Formerly 330 Link) Food Manufacturing Operation

Nora and Joe

The Departments have received and reviewed the 60 day notice for change of use for a portion of Building **330 Link**. NR will be modifying the HVAC system and sealing the floors. It appears that the conceptual path forward lays out the additional indoor air sampling that will be required before the space can be occupied. Once the data is received the Departments will review and determine if indoor air quality is acceptable for occupancy. As noted in the notice, NR is aware that any disturbance of the slab requires additional sub-slab sampling and a special requirements CAMP. The Departments would review and provide comments/approvals for the sampling plans. **Please also be aware that the indoor air sampling is for tenant occupancy for an industrial use and not specific to food manufacturing.**

If you have any questions, please feel free to contact me.

Jess

From: Nora Brew <nbrew@walden-associates.com>
Sent: Tuesday, November 26, 2019 4:24 PM
To: LaClair, Jess A (DEC) <jess.laclair@dec.ny.gov>; Kenney, Julia M (HEALTH) <julia.kenney@health.ny.gov>
Cc: Mike Buckley <mbuckley@nationalresources.com>; Carl Monheit <cmonheit@nationalresources.com>; Dean Chartrand <chartd@us.ibm.com>; Gary Marone <gary.marone@globalfoundries.com>; Erica M Johnston <ejohnston@walden-associates.com>
Subject: Re: iPark 84 - 60 Day Advance Notification - Building 710 (Formerly 330 Link) Food Manufacturing Operation

ATTENTION: This email came from an external source. Do not open attachments or click on links from unknown senders or unexpected emails.

Jess,

The 60-day advance change of use notification is attached for a proposed food manufacturing operation in Building 710 (Formerly 330 Link). Please call me if you have any questions.

Nora

Nora M. Brew, P.E.

Senior Project Manager

Walden Environmental Engineering

16 Spring Street, Oyster Bay, New York 11771 **(HQ)**

Office: (516) 624-7200, Fax: (516) 624-3219

www.WaldenEnvironmentalEngineering.com

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ATTACHMENT C
HEALTH AND SAFETY PLAN
(available on request)

ATTACHMENT D
COMMUNITY AIR MONITORING PLAN (INCLUDING SPECIAL REQUIREMENTS)

iPARK 84
(FORMER IBM EAST FISHKILL FACILITY)

BUILDING 710 (FORMERLY 330 LINK) LA MILPA DE ROSA SPACE
INTERIOR MODIFICATIONS
COMMUNITY AIR MONITORING PLAN (CAMP) WITH SPECIAL REQUIREMENTS

The following Community Air Monitoring Plan (CAMP) is based on NYSDEC's DER-10 Technical Guidance for Site Investigation and Remediation (May 2010) Appendix 1A: New York State Department of Health Generic Community Air Monitoring Plan, with modifications as appropriate for the scope of work to be performed at the iPark 84 Former IBM East Fishkill facility. Special requirements are included in this CAMP as the work will be conducted indoors and tenants occupy other parts of the building.

Overview

A Community Air Monitoring Plan (CAMP) requires real-time monitoring for volatile organic compounds (VOCs) and particulates (i.e., dust) at the downwind perimeter of each designated work area when certain activities are in progress at contaminated sites. The CAMP is not intended for use in establishing action levels for worker respiratory protection. Rather, its intent is to provide a measure of protection for the downwind community (i.e., off-site receptors including residences and businesses and on-site workers not directly involved with the subject work activities) from potential airborne contaminant releases as a direct result of investigative and remedial work activities. The action levels specified herein require increased monitoring, corrective actions to abate emissions, and/or work shutdown. Additionally, the CAMP helps to confirm that work activities did not spread contamination off-site through the air.

The generic CAMP presented below will be sufficient to cover many, if not most, sites. Specific requirements should be reviewed for each situation in consultation with NYSDOH to ensure proper applicability. In some cases, a separate site-specific CAMP or supplement may be required. Depending upon the nature of contamination, chemical-specific monitoring with appropriately sensitive methods may be required. Depending upon the proximity of potentially exposed individuals, more stringent monitoring or response levels than those presented herein may be required. Special requirements will be necessary for work within 20 feet of potentially exposed individuals or structures and for indoor work with co-located residences or facilities. These requirements should be determined in consultation with NYSDOH.

Reliance on the CAMP should not preclude simple, common-sense measures to keep VOCs, dust, and odors at a minimum around the work areas.

Qualified Environmental Monitor Responsibilities

The qualified environmental monitor (QEM) shall be Walden Environmental Engineering, PLLC, whose designated employees will be responsible for implementing the CAMP and performing the on-site air

monitoring specified below. The QEM has the authority to stop work and shall be responsible for the air monitoring and daily calibration and maintenance of the equipment in accordance with the manufacturer's specifications. All instrumentation and equipment shall be maintained at all times in proper operating condition. Copies of manufacturers' monitoring equipment specifications shall be maintained on-site at all times during the work and shall be attached to the on-site copy of the CAMP.

The QEM or designated representative shall document in the dedicated CAMP project log book each calibration event, any equipment and instrument malfunctions, unusual conditions, air monitoring station locations, any exceedances of action levels and countermeasures implemented. Dates and times must be well documented.

Ambient air monitoring shall be conducted upwind and downwind of the work area at the property perimeters for fugitive dust emissions and organic vapors during periods of excavation, other ground intrusive activities, placement of excavated materials in storage piles, and loading of transporting vehicles. If readings above established threshold levels are detected, the Contractor shall institute measures to control dust and/or organic vapors at no additional cost to the Owner. The measures utilized shall be subject to the approval of the Owner and Owner's designated representatives.

Any exceedance of a CAMP threshold or action level shall be recorded on the weekly reports which shall be submitted to NYSDEC and NYSDOH. The weekly reports shall include the instrument readings at the monitoring stations, location of the monitoring station where any exceedance was recorded, readings at upwind locations, duration of any elevated readings (i.e., number of 15-minute time-weighted exceedances), activities being performed at the time of any exceedances, and descriptions of countermeasures implemented to control the exceedance and prevent future occurrences.

The Contractor shall respond to exceedances of the CAMP action levels immediately.

Odor or dust complaints from any owner of an adjacent or nearby property shall be managed by the Contractor in a manner equivalent to an exceedance of an action level in the CAMP.

Community Air Monitoring Plan

Depending upon the nature of known or potential contaminants at each site, real-time air monitoring for volatile organic compounds (VOCs) and/or particulate levels at the perimeter of the exclusion zone or work area will be necessary. Most sites will involve VOC and particulate monitoring; sites known to be contaminated with heavy metals alone may only require particulate monitoring. If radiological contamination is a concern, additional monitoring requirements may be necessary per consultation with appropriate NYSDEC/NYSDOH staff.

Continuous monitoring will be required for all ground intrusive activities and during the demolition of contaminated or potentially contaminated structures. Ground intrusive activities include, but are not

limited to, soil/waste excavation and handling, test pitting or trenching, and the installation of soil borings or monitoring wells.

Periodic monitoring for VOCs will be required during non-intrusive activities such as the collection of soil and sediment samples or the collection of groundwater samples from existing monitoring wells. “Periodic” monitoring during sample collection might reasonably consist of taking a reading upon arrival at a sample location, monitoring while opening a well cap or overturning soil, monitoring during well baling/purging, and taking a reading prior to leaving a sample location. In some instances, depending upon the proximity of potentially exposed individuals, continuous monitoring may be required during sampling activities. Examples of such situations include groundwater sampling at wells on the curb of a busy urban street, in the midst of a public park, or adjacent to a school or residence.

VOC Monitoring, Response Levels, and Actions

Volatile organic compounds (VOCs) shall be monitored at the downwind perimeter of the immediate work area (i.e., the exclusion zone) on a continuous basis or as otherwise specified. Upwind concentrations should be measured at the start of each workday and periodically thereafter to establish background conditions. The monitoring work should be performed using equipment such as a MiniRAE 2000 PID Portable VOC Monitor or other appropriate instrument to measure the types of contaminants known or suspected to be present. The equipment should be calibrated at least daily for the contaminant(s) of concern or for an appropriate surrogate. The equipment should be capable of calculating 15-minute running average concentrations, which will be compared to the levels specified below.

- If the ambient air concentration of total organic vapors at the downwind perimeter of the work area or exclusion zone exceeds 5 parts per million (ppm) above background for the 15-minute average, work activities must be temporarily halted and monitoring continued. If the total organic vapor level readily decreases (per instantaneous readings) below 5 ppm over background, work activities can resume with continued monitoring. □
- If total organic vapor levels at the downwind perimeter of the work area or exclusion zone persist at levels in excess of 5 ppm over background but less than 25 ppm, work activities must be halted. The source of vapors must be identified, corrective actions taken to abate emissions, and monitoring continued. After these steps, work activities can only resume provided that the total organic vapor level 200 feet downwind of the exclusion zone or half the distance to the nearest potential receptor or residential/commercial structure, whichever is less - but in no case less than 20 feet, is below 5 ppm over background for the 15-minute average. □
- If the organic vapor level is above 25 ppm at the perimeter of the work area, activities must be shutdown. Work methods and controls will be re-evaluated.

All 15-minute readings must be recorded and be available for State (DEC and DOH) personnel to review. Instantaneous readings, if any, used for decision purposes should also be recorded.

Particulate Monitoring, Response Levels, and Actions

Particulate (dust) concentrations should be monitored continuously at the upwind and downwind perimeters of the exclusion zone at temporary particulate monitoring stations. The particulate monitoring should be performed using real-time monitoring equipment (such as a portable particulate monitor EPAM 5000 or equal) capable of measuring particulate matter less than 10 micrometers in size (PM-10) and capable of integrating over a period of 15 minutes (or less) for comparison to the airborne particulate action level. The equipment must be equipped with an audible alarm to indicate exceedance of the action level. In addition, fugitive dust migration should be visually assessed during all work activities.

All readings must be recorded and be available for State (DEC and DOH) personnel to review.

Particulate concentrations shall be monitored at the upwind perimeter of an active work zone for background concentrations at the beginning and the end of the work day and at the downwind perimeter of an active work zone on a continuous basis during all ground intrusive activities. At any time, the Contractor will carry out dust and particulate control measures, such as water misting to prevent generation of dust and particulate matter during the work activities.

If the elevated levels of particulate matter are detected during the monitoring, corrective action is determined by the following levels:

- If the downwind PM-10 at a site perimeter location is 100 micrograms per cubic meter ($\mu\text{g}/\text{m}^3$) greater than background (upwind perimeter) for the 15-minute period of if airborne dust is observed leaving the perimeter of the work area, then dust suppression techniques must be employed. Work may continue with dust suppression techniques if the downwind PM-10 particulate level does not exceed $150 \mu\text{g}/\text{m}^3$ above the upwind level and if no visible dust is migrating from the work area.
- If, after implementing dust suppression techniques, downwind PM-10 particulate levels are greater than $150 \mu\text{g}/\text{m}^3$ above the upwind level, work must be stopped and re-evaluation of work activities initiated. Work can resume if dust suppression measures and other controls are successful in reducing the downwind PM-10 particulate concentration to within $150 \mu\text{g}/\text{m}^3$ of the upwind level and in preventing visible dust migration.

Additional CAMP Special Requirements

When work areas are within occupied structures, the continuous monitoring locations for VOCs and particulates must reflect the nearest potentially exposed individuals and the location of ventilation system intakes for nearby structures. The use of engineering controls such as vapor/dust barriers, temporary

negative-pressure enclosures, or special ventilation devices should be considered to prevent exposures related to the work activities and to control dust and odors. Consideration should be given to implementing the planned activities when potentially exposed populations are at a minimum, such as during weekends or evening hours in non-residential settings.

- If total VOC concentrations opposite the walls of occupied structures or next to intake vents exceed 1 ppm, monitoring should occur within the occupied structure(s). Depending upon the nature of contamination, chemical-specific colorimetric tubes of sufficient sensitivity may be necessary for comparing the exposure point concentrations with appropriate pre-determined response levels (response actions should also be predetermined). Background readings in the occupied spaces must be taken prior to commencement of the planned work. Any unusual background readings should be discussed with NYSDOH prior to commencement of the work.
- If total particulate concentrations opposite the walls of occupied structures or next to intake vents exceed 150 mcg/m³, work activities should be suspended until controls are implemented and are successful in reducing the total particulate concentration to 150 mcg/m³ or less at the monitoring point.

Additionally, the location of all exhaust vents in the room and their discharge points, as well as potential vapor pathways (openings, conduits, etc.) relative to adjoining rooms, should be understood and the monitoring locations established accordingly. In these situations, it is strongly recommended that exhaust fans or other engineering controls be used to create negative air pressure within the work area during remedial activities.

Summary

As noted above, air monitoring activities for the iPark 84 work described in the *Building 710 La Milpa De Rosa Space Retro-Fit Activities Work Plan* (Walden, April 2020) will be appropriate for the intrusive activities to be conducted in the Building 710 La Milpa space. Therefore, the CAMP and associated special requirements will encompass VOC and particulate monitoring during the indoor work beneath the concrete floor slab. CAMP reports will be submitted to NYSDEC and NYSDOH on a weekly basis during the Building 710 La Milpa space intrusive activities work.

APPENDIX B
Photolog

Photograph 1
CAMP Station #1

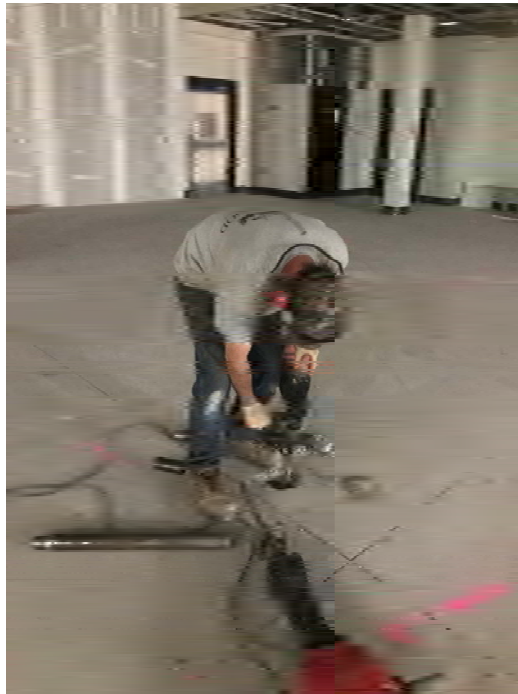


Photograph 2
CAMP Station #2



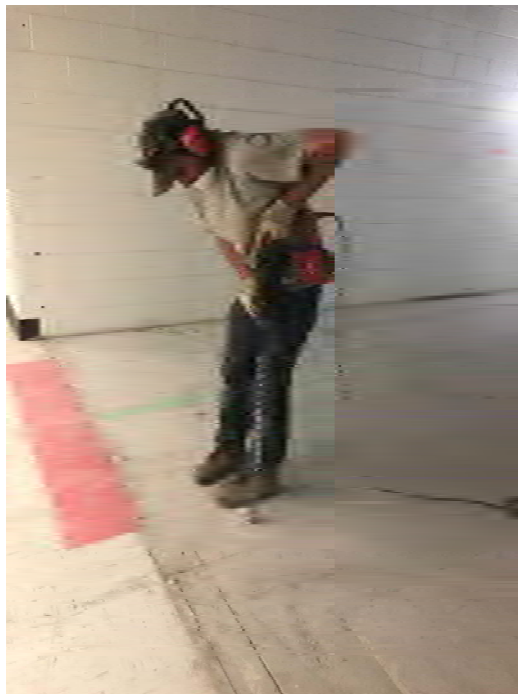
Photograph 3

Drilling through concrete floor slab prior to collecting sub-slab soil for sample analysis.



Photograph 4

Drilling through concrete floor slab in order to install temporary sub-slab soil vapor points.



Photograph 5

View of SSV-1/IA-1



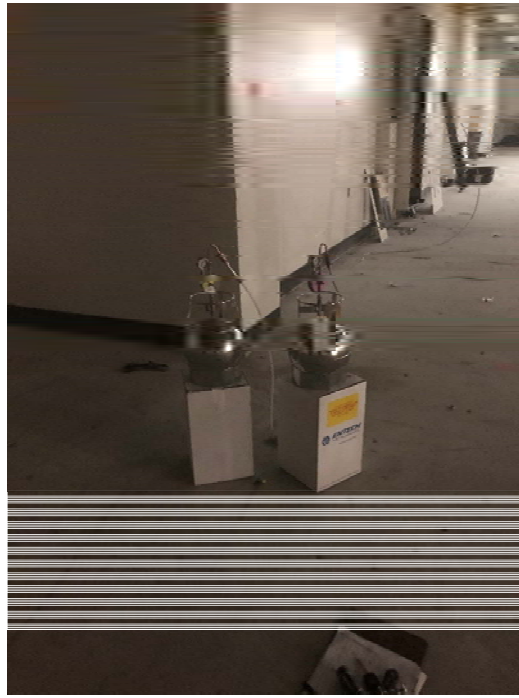
Photograph 6

View of SSV-2/IA-2



Photograph 7

View of SSV-3/IA-3



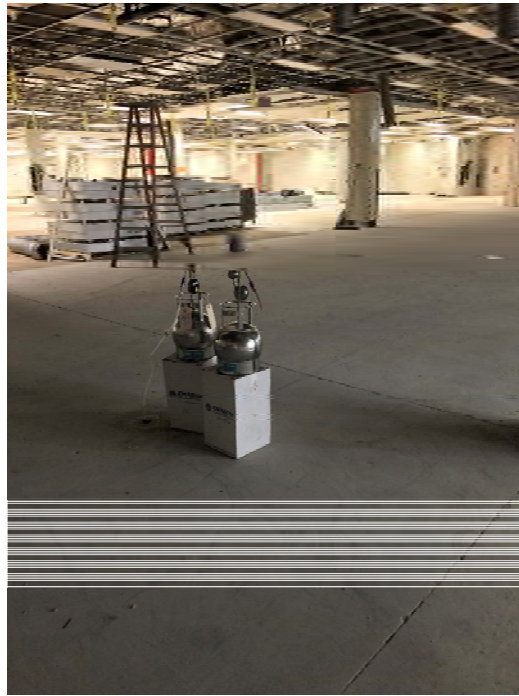
Photograph 8

View of SSV-4/IA-4



Photograph 9

View of SSV-5/IA-5



Photograph 10

View of SSV-6/IA-6



Photograph 11

View of SSV-7/IA-7



Photograph 12

View of AA-1



APPENDIX C
CAMP Data

APPENDIX D
Laboratory Analytical Reports



Thursday, May 21, 2020

Attn: Kerri Wright
Walden Environmental Engineering PLLC
16 Spring Street
Oyster Bay, NY 11771

Project ID: IPARK 0118.41 LAMILPA
SDG ID: GCF96989
Sample ID#s: CF96989 - CF97003

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.

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



SDG Comments

May 21, 2020

SDG I.D.: GCF96989

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

Version 1: Analysis results minus raw data.

Version 2: Complete report with raw data.



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



Sample Id Cross Reference

May 21, 2020

SDG I.D.: GCF96989

Project ID: IPARK 0118.41 LAMILPA

Client Id	Lab Id	Matrix
IA-02	CF96989	AIR
SSIA-02	CF96990	AIR
IA-03	CF96991	AIR
SSIA-01	CF96992	AIR
SSIA-05	CF96993	AIR
SSIA-07	CF96994	AIR
SSIA-03	CF96995	AIR
SSIA-04	CF96996	AIR
IA-05	CF96997	AIR
IA-07	CF96998	AIR
IA-04	CF96999	AIR
IA-06	CF97000	AIR
AA-01	CF97001	AIR
IA-01	CF97002	AIR
SSIA-06	CF97003	AIR



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



Analysis Report

May 21, 2020

FOR: Attn: Kerri Wright
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.#:
Canister Id: 23341

Custody Information

Collected by: KAW
Received by: LB
Analyzed by: see "By" below

Date

05/15/20 17:05
05/18/20 16:05

Time

Laboratory Data

SDG ID: GCF96989
Phoenix ID: CF96989

Project ID: IPARK 0118.41 LAMILPA
Client ID: IA-02

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	05/19/20	KCA	1
1,1-Dichloroethene	ND	0.100	0.100	ND	0.40	0.40	05/19/20	KCA	1
1,2,4-Trichlorobenzene	ND	0.250	0.250	ND	1.85	1.85	05/19/20	KCA	1
1,2-Dichlorobenzene	ND	0.150	0.150	ND	0.90	0.90	05/19/20	KCA	1
1,3-Dichlorobenzene	ND	0.150	0.150	ND	0.90	0.90	05/19/20	KCA	1
1,4-Dichlorobenzene	ND	0.150	0.150	ND	0.90	0.90	05/19/20	KCA	1
Acetone	5.95	1.00	1.00	14.1	2.37	2.37	05/19/20	KCA	1
Benzene	0.141	0.050	0.050	0.45	0.16	0.16	05/19/20	KCA	1
Carbon Tetrachloride	0.064	0.020	0.020	0.40	0.13	0.13	05/19/20	KCA	1
Chlorobenzene	ND	0.200	0.200	ND	0.92	0.92	05/19/20	KCA	1
Cis-1,2-Dichloroethene	ND	0.200	0.200	ND	0.79	0.79	05/19/20	KCA	1
Dichlorodifluoromethane	0.347	0.200	0.200	1.71	0.99	0.99	05/19/20	KCA	1
Ethylbenzene	ND	0.150	0.150	ND	0.65	0.65	05/19/20	KCA	1
m,p-Xylene	0.153	0.150	0.150	0.66	0.65	0.65	05/19/20	KCA	1
Methylene Chloride	ND	0.400	0.400	ND	1.39	1.39	05/19/20	KCA	1
o-Xylene	ND	0.150	0.150	ND	0.65	0.65	05/19/20	KCA	1
Tetrachloroethene	0.245	0.100	0.100	1.66	0.68	0.68	05/19/20	KCA	1
Toluene	0.245	0.200	0.200	0.92	0.75	0.75	05/19/20	KCA	1
Trichloroethene	ND	0.037	0.037	ND	0.20	0.20	05/19/20	KCA	1
Trichlorofluoromethane	0.347	0.150	0.150	1.95	0.84	0.84	05/19/20	KCA	1
Trichlorotrifluoroethane	0.276	0.150	0.150	2.11	1.15	1.15	05/19/20	KCA	1
Vinyl Chloride	ND	0.020	0.020	ND	0.05	0.05	05/19/20	KCA	1
QA/QC Surrogates/Internals									
% Bromofluorobenzene	99	%	%	99	%	%	05/19/20	KCA	1
% IS-1,4-Difluorobenzene	111	%	%	111	%	%	05/19/20	KCA	1
% IS-Bromochloromethane	108	%	%	108	%	%	05/19/20	KCA	1

Client ID: IA-02

Parameter	ppbv Result	ppbv RL	LOD/ MDL	ug/m3 Result	ug/m3 RL	LOD/ MDL	Date/Time	By	Dilution
% IS-Chlorobenzene-d5	110	%	%	110	%	%	05/19/20	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:

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

May 21, 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

May 21, 2020

FOR: Attn: Kerri Wright
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.#:
Canister Id: 230

Custody Information

Collected by: KAW
Received by: LB
Analyzed by: see "By" below

Date

05/15/20 17:07
05/18/20 16:05

Time

Laboratory Data

SDG ID: GCF96989
Phoenix ID: CF96990

Project ID: IPARK 0118.41 LAMILPA
Client ID: SSIA-02

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	0.446	0.200	0.200	2.43	1.09	1.09	05/19/20	KCA	1
1,1-Dichloroethene	ND	0.100	0.100	ND	0.40	0.40	05/19/20	KCA	1
1,2,4-Trichlorobenzene	ND	0.250	0.250	ND	1.85	1.85	05/19/20	KCA	1
1,2-Dichlorobenzene	ND	0.150	0.150	ND	0.90	0.90	05/19/20	KCA	1
1,3-Dichlorobenzene	ND	0.150	0.150	ND	0.90	0.90	05/19/20	KCA	1
1,4-Dichlorobenzene	ND	0.150	0.150	ND	0.90	0.90	05/19/20	KCA	1
Acetone	13.5	1.00	1.00	32.0	2.37	2.37	05/19/20	KCA	1
Benzene	0.213	0.050	0.050	0.68	0.16	0.16	05/19/20	KCA	1
Carbon Tetrachloride	0.708	0.020	0.020	4.45	0.13	0.13	05/19/20	KCA	1
Chlorobenzene	ND	0.200	0.200	ND	0.92	0.92	05/19/20	KCA	1
Cis-1,2-Dichloroethene	ND	0.200	0.200	ND	0.79	0.79	05/19/20	KCA	1
Dichlorodifluoromethane	23.6	0.200	0.200	117	0.99	0.99	05/19/20	KCA	1
Ethylbenzene	0.653	0.150	0.150	2.83	0.65	0.65	05/19/20	KCA	1
m,p-Xylene	3.43	0.150	0.150	14.9	0.65	0.65	05/19/20	KCA	1
Methylene Chloride	ND	0.400	0.400	ND	1.39	1.39	05/19/20	KCA	1
o-Xylene	1.05	0.150	0.150	4.56	0.65	0.65	05/19/20	KCA	1
Tetrachloroethene	1.90	0.100	0.100	12.9	0.68	0.68	05/19/20	KCA	1
Toluene	0.285	0.200	0.200	1.07	0.75	0.75	05/19/20	KCA	1
Trichloroethene	0.247	0.037	0.037	1.33	0.20	0.20	05/19/20	KCA	1
Trichlorofluoromethane	10700	67.5	67.5	60100	379	379	05/20/20	KCA	450
Trichlorotrifluoroethane	93.4	11.3	11.3	715	86.5	86.5	05/19/20	KCA	75
Vinyl Chloride	ND	0.020	0.020	ND	0.05	0.05	05/19/20	KCA	1
QA/QC Surrogates/Internals									
% Bromofluorobenzene	99	%	%	99	%	%	05/19/20	KCA	1
% IS-1,4-Difluorobenzene	93	%	%	93	%	%	05/19/20	KCA	1
% IS-Bromochloromethane	88	%	%	88	%	%	05/19/20	KCA	1

Parameter	ppbv Result	ppbv RL	LOD/ MDL	ug/m3 Result	ug/m3 RL	LOD/ MDL	Date/Time	By	Dilution
% IS-Chlorobenzene-d5	99	%	%	99	%	%	05/19/20	KCA	1
% Bromofluorobenzene (75x)	100	%	%	100	%	%	05/19/20	KCA	75
% IS-1,4-Difluorobenzene (75x)	107	%	%	107	%	%	05/19/20	KCA	75
% IS-Bromochloromethane (75x)	101	%	%	101	%	%	05/19/20	KCA	75
% IS-Chlorobenzene-d5 (75x)	108	%	%	108	%	%	05/19/20	KCA	75
% Bromofluorobenzene (225x)	98	%	%	98	%	%	05/20/20	KCA	225
% IS-1,4-Difluorobenzene (225x)	95	%	%	95	%	%	05/20/20	KCA	225
% IS-Bromochloromethane (225x)	91	%	%	91	%	%	05/20/20	KCA	225
% IS-Chlorobenzene-d5 (225x)	97	%	%	97	%	%	05/20/20	KCA	225
% Bromofluorobenzene (450x)	97	%	%	97	%	%	05/20/20	KCA	450
% IS-1,4-Difluorobenzene (450x)	85	%	%	85	%	%	05/20/20	KCA	450
% IS-Bromochloromethane (450x)	82	%	%	82	%	%	05/20/20	KCA	450
% IS-Chlorobenzene-d5 (450x)	88	%	%	88	%	%	05/20/20	KCA	450

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

May 21, 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

May 21, 2020

FOR: Attn: Kerri Wright
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.#:
Canister Id: 12854

Custody Information

Collected by: KAW
Received by: LB
Analyzed by: see "By" below

Date

05/15/20 16:37
05/18/20 16:05

Time

Laboratory Data

SDG ID: GCF96989
Phoenix ID: CF96991

Project ID: IPARK 0118.41 LAMILPA
Client ID: IA-03

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	05/19/20	KCA	1
1,1-Dichloroethene	ND	0.100	0.100	ND	0.40	0.40	05/19/20	KCA	1
1,2,4-Trichlorobenzene	ND	0.250	0.250	ND	1.85	1.85	05/19/20	KCA	1
1,2-Dichlorobenzene	ND	0.150	0.150	ND	0.90	0.90	05/19/20	KCA	1
1,3-Dichlorobenzene	ND	0.150	0.150	ND	0.90	0.90	05/19/20	KCA	1
1,4-Dichlorobenzene	ND	0.150	0.150	ND	0.90	0.90	05/19/20	KCA	1
Acetone	7.52	1.00	1.00	17.9	2.37	2.37	05/19/20	KCA	1
Benzene	0.123	0.050	0.050	0.39	0.16	0.16	05/19/20	KCA	1
Carbon Tetrachloride	0.068	0.020	0.020	0.43	0.13	0.13	05/19/20	KCA	1
Chlorobenzene	ND	0.200	0.200	ND	0.92	0.92	05/19/20	KCA	1
Cis-1,2-Dichloroethene	ND	0.200	0.200	ND	0.79	0.79	05/19/20	KCA	1
Dichlorodifluoromethane	0.345	0.200	0.200	1.71	0.99	0.99	05/19/20	KCA	1
Ethylbenzene	0.546	0.150	0.150	2.37	0.65	0.65	05/19/20	KCA	1
m,p-Xylene	2.29	0.150	0.150	9.9	0.65	0.65	05/19/20	KCA	1
Methylene Chloride	0.977	0.400	0.400	3.39	1.39	1.39	05/19/20	KCA	1
o-Xylene	0.568	0.150	0.150	2.46	0.65	0.65	05/19/20	KCA	1
Tetrachloroethene	0.201	0.100	0.100	1.36	0.68	0.68	05/19/20	KCA	1
Toluene	0.247	0.200	0.200	0.93	0.75	0.75	05/19/20	KCA	1
Trichloroethene	ND	0.037	0.037	ND	0.20	0.20	05/19/20	KCA	1
Trichlorofluoromethane	0.399	0.150	0.150	2.24	0.84	0.84	05/19/20	KCA	1
Trichlorotrifluoroethane	ND	0.150	0.150	ND	1.15	1.15	05/19/20	KCA	1
Vinyl Chloride	ND	0.020	0.020	ND	0.05	0.05	05/19/20	KCA	1
QA/QC Surrogates/Internals									
% Bromofluorobenzene	98	%	%	98	%	%	05/19/20	KCA	1
% IS-1,4-Difluorobenzene	101	%	%	101	%	%	05/19/20	KCA	1
% IS-Bromochloromethane	97	%	%	97	%	%	05/19/20	KCA	1

Client ID: IA-03

Parameter	ppbv Result	ppbv RL	LOD/ MDL	ug/m3 Result	ug/m3 RL	LOD/ MDL	Date/Time	By	Dilution
% IS-Chlorobenzene-d5	101	%	%	101	%	%	05/19/20	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

May 21, 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

May 21, 2020

FOR: Attn: Kerri Wright
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.#:
Canister Id: 12860

Custody Information

Collected by: KAW
Received by: LB
Analyzed by: see "By" below

Date

05/15/20 17:03
05/18/20 16:05

Time

Laboratory Data

SDG ID: GCF96989
Phoenix ID: CF96992

Project ID: IPARK 0118.41 LAMILPA
Client ID: SSIA-01

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	05/19/20	KCA	1
1,1-Dichloroethene	ND	0.100	0.100	ND	0.40	0.40	05/19/20	KCA	1
1,2,4-Trichlorobenzene	ND	0.250	0.250	ND	1.85	1.85	05/19/20	KCA	1
1,2-Dichlorobenzene	ND	0.150	0.150	ND	0.90	0.90	05/19/20	KCA	1
1,3-Dichlorobenzene	ND	0.150	0.150	ND	0.90	0.90	05/19/20	KCA	1
1,4-Dichlorobenzene	ND	0.150	0.150	ND	0.90	0.90	05/19/20	KCA	1
Acetone	5.10	1.00	1.00	12.1	2.37	2.37	05/19/20	KCA	1
Benzene	0.111	0.050	0.050	0.35	0.16	0.16	05/19/20	KCA	1
Carbon Tetrachloride	0.025	0.020	0.020	0.16	0.13	0.13	05/19/20	KCA	1
Chlorobenzene	ND	0.200	0.200	ND	0.92	0.92	05/19/20	KCA	1
Cis-1,2-Dichloroethene	ND	0.200	0.200	ND	0.79	0.79	05/19/20	KCA	1
Dichlorodifluoromethane	12.1	0.200	0.200	59.8	0.99	0.99	05/19/20	KCA	1
Ethylbenzene	0.168	0.150	0.150	0.73	0.65	0.65	05/19/20	KCA	1
m,p-Xylene	0.868	0.150	0.150	3.77	0.65	0.65	05/19/20	KCA	1
Methylene Chloride	ND	0.400	0.400	ND	1.39	1.39	05/19/20	KCA	1
o-Xylene	0.309	0.150	0.150	1.34	0.65	0.65	05/19/20	KCA	1
Tetrachloroethene	11.2	0.100	0.100	75.9	0.68	0.68	05/19/20	KCA	1
Toluene	ND	0.200	0.200	ND	0.75	0.75	05/19/20	KCA	1
Trichloroethene	0.086	0.037	0.037	0.46	0.20	0.20	05/19/20	KCA	1
Trichlorofluoromethane	0.624	0.150	0.150	3.50	0.84	0.84	05/19/20	KCA	1
Trichlorotrifluoroethane	9.69	0.150	0.150	74.2	1.15	1.15	05/19/20	KCA	1
Vinyl Chloride	ND	0.020	0.020	ND	0.05	0.05	05/19/20	KCA	1
<u>QA/QC Surrogates/Internals</u>									
% Bromofluorobenzene	101	%	%	101	%	%	05/19/20	KCA	1
% IS-1,4-Difluorobenzene	98	%	%	98	%	%	05/19/20	KCA	1
% IS-Bromochloromethane	95	%	%	95	%	%	05/19/20	KCA	1

Client ID: SSIA-01

Parameter	ppbv Result	ppbv RL	LOD/ MDL	ug/m3 Result	ug/m3 RL	LOD/ MDL	Date/Time	By	Dilution
% IS-Chlorobenzene-d5	101	%	%	101	%	%	05/19/20	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

May 21, 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

May 21, 2020

FOR: Attn: Kerri Wright
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.#:
Canister Id: 474

Custody Information

Collected by: KAW
Received by: LB
Analyzed by: see "By" below

Date

05/15/20
05/18/20

Time

16:27
16:05

Laboratory Data

SDG ID: GCF96989
Phoenix ID: CF96993

Project ID: IPARK 0118.41 LAMILPA
Client ID: SSIA-05

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	05/19/20	KCA	1
1,1-Dichloroethene	ND	0.100	0.100	ND	0.40	0.40	05/19/20	KCA	1
1,2,4-Trichlorobenzene	ND	0.250	0.250	ND	1.85	1.85	05/19/20	KCA	1
1,2-Dichlorobenzene	ND	0.150	0.150	ND	0.90	0.90	05/19/20	KCA	1
1,3-Dichlorobenzene	ND	0.150	0.150	ND	0.90	0.90	05/19/20	KCA	1
1,4-Dichlorobenzene	ND	0.150	0.150	ND	0.90	0.90	05/19/20	KCA	1
Acetone	55.4	52.5	75.0	132	125	178	05/19/20	KCA	75
Benzene	0.193	0.050	0.050	0.62	0.16	0.16	05/19/20	KCA	1
Carbon Tetrachloride	0.050	0.020	0.020	0.31	0.13	0.13	05/19/20	KCA	1
Chlorobenzene	ND	0.200	0.200	ND	0.92	0.92	05/19/20	KCA	1
Cis-1,2-Dichloroethene	ND	0.200	0.200	ND	0.79	0.79	05/19/20	KCA	1
Dichlorodifluoromethane	1.95	0.200	0.200	9.6	0.99	0.99	05/19/20	KCA	1
Ethylbenzene	ND	0.150	0.150	ND	0.65	0.65	05/19/20	KCA	1
m,p-Xylene	0.388	0.150	0.150	1.68	0.65	0.65	05/19/20	KCA	1
Methylene Chloride	ND	0.400	0.400	ND	1.39	1.39	05/19/20	KCA	1
o-Xylene	0.219	0.150	0.150	0.95	0.65	0.65	05/19/20	KCA	1
Tetrachloroethene	2.92	0.100	0.100	19.8	0.68	0.68	05/19/20	KCA	1
Toluene	ND	0.200	0.200	ND	0.75	0.75	05/19/20	KCA	1
Trichloroethene	0.043	0.037	0.037	0.23	0.20	0.20	05/19/20	KCA	1
Trichlorofluoromethane	12.5	0.150	0.150	70.2	0.84	0.84	05/19/20	KCA	1
Trichlorotrifluoroethane	2370	11.3	11.3	18200	86.5	86.5	05/19/20	KCA	75
Vinyl Chloride	ND	0.020	0.020	ND	0.05	0.05	05/19/20	KCA	1
QA/QC Surrogates/Internals									
% Bromofluorobenzene	101	%	%	101	%	%	05/19/20	KCA	1
% IS-1,4-Difluorobenzene	104	%	%	104	%	%	05/19/20	KCA	1
% IS-Bromochloromethane	98	%	%	98	%	%	05/19/20	KCA	1

Parameter	ppbv Result	ppbv RL	LOD/ MDL	ug/m3 Result	ug/m3 RL	LOD/ MDL	Date/Time	By	Dilution
% IS-Chlorobenzene-d5	106	%	%	106	%	%	05/19/20	KCA	1
% Bromofluorobenzene (75x)	101	%	%	101	%	%	05/19/20	KCA	75
% IS-1,4-Difluorobenzene (75x)	102	%	%	102	%	%	05/19/20	KCA	75
% IS-Bromochloromethane (75x)	98	%	%	98	%	%	05/19/20	KCA	75
% IS-Chlorobenzene-d5 (75x)	100	%	%	100	%	%	05/19/20	KCA	75

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

May 21, 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

May 21, 2020

FOR: Attn: Kerri Wright
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.#:
Canister Id: 19930

Custody Information

Collected by: KAW
Received by: LB
Analyzed by: see "By" below

Date

05/15/20 16:40
05/18/20 16:05

Time

Laboratory Data

SDG ID: GCF96989
Phoenix ID: CF96994

Project ID: IPARK 0118.41 LAMILPA
Client ID: SSIA-07

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	05/19/20	KCA	1
1,1-Dichloroethene	ND	0.100	0.100	ND	0.40	0.40	05/19/20	KCA	1
1,2,4-Trichlorobenzene	ND	0.250	0.250	ND	1.85	1.85	05/19/20	KCA	1
1,2-Dichlorobenzene	ND	0.150	0.150	ND	0.90	0.90	05/19/20	KCA	1
1,3-Dichlorobenzene	ND	0.150	0.150	ND	0.90	0.90	05/19/20	KCA	1
1,4-Dichlorobenzene	ND	0.150	0.150	ND	0.90	0.90	05/19/20	KCA	1
Acetone	4.74	1.00	1.00	11.3	2.37	2.37	05/19/20	KCA	1
Benzene	0.178	0.050	0.050	0.57	0.16	0.16	05/19/20	KCA	1
Carbon Tetrachloride	0.033	0.020	0.020	0.21	0.13	0.13	05/19/20	KCA	1
Chlorobenzene	ND	0.200	0.200	ND	0.92	0.92	05/19/20	KCA	1
Cis-1,2-Dichloroethene	ND	0.200	0.200	ND	0.79	0.79	05/19/20	KCA	1
Dichlorodifluoromethane	3.00	0.200	0.200	14.8	0.99	0.99	05/19/20	KCA	1
Ethylbenzene	ND	0.150	0.150	ND	0.65	0.65	05/19/20	KCA	1
m,p-Xylene	0.409	0.150	0.150	1.77	0.65	0.65	05/19/20	KCA	1
Methylene Chloride	ND	0.400	0.400	ND	1.39	1.39	05/19/20	KCA	1
o-Xylene	0.163	0.150	0.150	0.71	0.65	0.65	05/19/20	KCA	1
Tetrachloroethene	0.897	0.100	0.100	6.08	0.68	0.68	05/19/20	KCA	1
Toluene	ND	0.200	0.200	ND	0.75	0.75	05/19/20	KCA	1
Trichloroethene	0.464	0.037	0.037	2.49	0.20	0.20	05/19/20	KCA	1
Trichlorofluoromethane	1.06	0.150	0.150	5.95	0.84	0.84	05/19/20	KCA	1
Trichlorotrifluoroethane	6270	43.8	43.8	48000	335	335	05/20/20	KCA	292
Vinyl Chloride	ND	0.020	0.020	ND	0.05	0.05	05/19/20	KCA	1
<u>QA/QC Surrogates/Internals</u>									
% Bromofluorobenzene	101	%	%	101	%	%	05/19/20	KCA	1
% IS-1,4-Difluorobenzene	107	%	%	107	%	%	05/19/20	KCA	1
% IS-Bromochloromethane	100	%	%	100	%	%	05/19/20	KCA	1

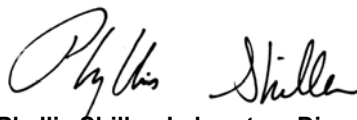
Parameter	ppbv Result	ppbv RL	LOD/ MDL	ug/m3 Result	ug/m3 RL	LOD/ MDL	Date/Time	By	Dilution
% IS-Chlorobenzene-d5	108	%	%	108	%	%	05/19/20	KCA	1
% Bromofluorobenzene (116.8x)	98	%	%	98	%	%	05/19/20	KCA	116.8
% IS-1,4-Difluorobenzene (116.8x)	100	%	%	100	%	%	05/19/20	KCA	116.8
% IS-Bromochloromethane (116.8x)	96	%	%	96	%	%	05/19/20	KCA	116.8
% IS-Chlorobenzene-d5 (116.8x)	101	%	%	101	%	%	05/19/20	KCA	116.8
% Bromofluorobenzene (292x)	100	%	%	100	%	%	05/20/20	KCA	292
% IS-1,4-Difluorobenzene (292x)	94	%	%	94	%	%	05/20/20	KCA	292
% IS-Bromochloromethane (292x)	93	%	%	93	%	%	05/20/20	KCA	292
% IS-Chlorobenzene-d5 (292x)	94	%	%	94	%	%	05/20/20	KCA	292

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

May 21, 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

May 21, 2020

FOR: Attn: Kerri Wright
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.#:
Canister Id: 13640

Custody Information

Collected by: KAW
Received by: LB
Analyzed by: see "By" below

Date

05/15/20 16:35
05/18/20 16:05

Time

Laboratory Data

SDG ID: GCF96989
Phoenix ID: CF96995

Project ID: IPARK 0118.41 LAMILPA
Client ID: SSIA-03

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	05/19/20	KCA	1
1,1-Dichloroethene	ND	0.100	0.100	ND	0.40	0.40	05/19/20	KCA	1
1,2,4-Trichlorobenzene	ND	0.250	0.250	ND	1.85	1.85	05/19/20	KCA	1
1,2-Dichlorobenzene	ND	0.150	0.150	ND	0.90	0.90	05/19/20	KCA	1
1,3-Dichlorobenzene	ND	0.150	0.150	ND	0.90	0.90	05/19/20	KCA	1
1,4-Dichlorobenzene	ND	0.150	0.150	ND	0.90	0.90	05/19/20	KCA	1
Acetone	97.4	70.5	70.5	231	167	167	05/19/20	KCA	70.5
Benzene	0.316	0.050	0.050	1.01	0.16	0.16	05/19/20	KCA	1
Carbon Tetrachloride	0.064	0.020	0.020	0.40	0.13	0.13	05/19/20	KCA	1
Chlorobenzene	ND	0.200	0.200	ND	0.92	0.92	05/19/20	KCA	1
Cis-1,2-Dichloroethene	ND	0.200	0.200	ND	0.79	0.79	05/19/20	KCA	1
Dichlorodifluoromethane	0.423	0.200	0.200	2.09	0.99	0.99	05/19/20	KCA	1
Ethylbenzene	0.225	0.150	0.150	0.98	0.65	0.65	05/19/20	KCA	1
m,p-Xylene	0.621	0.150	0.150	2.69	0.65	0.65	05/19/20	KCA	1
Methylene Chloride	ND	0.400	0.400	ND	1.39	1.39	05/19/20	KCA	1
o-Xylene	0.334	0.150	0.150	1.45	0.65	0.65	05/19/20	KCA	1
Tetrachloroethene	2.04	0.100	0.100	13.8	0.68	0.68	05/19/20	KCA	1
Toluene	1.58	0.200	0.200	5.95	0.75	0.75	05/19/20	KCA	1
Trichloroethene	0.276	0.037	0.037	1.48	0.20	0.20	05/19/20	KCA	1
Trichlorofluoromethane	0.707	0.150	0.150	3.97	0.84	0.84	05/19/20	KCA	1
Trichlorotrifluoroethane	6.17	0.150	0.150	47.3	1.15	1.15	05/19/20	KCA	1
Vinyl Chloride	ND	0.020	0.020	ND	0.05	0.05	05/19/20	KCA	1
<u>QA/QC Surrogates/Internals</u>									
% Bromofluorobenzene	100	%	%	100	%	%	05/19/20	KCA	1
% IS-1,4-Difluorobenzene	106	%	%	106	%	%	05/19/20	KCA	1
% IS-Bromochloromethane	103	%	%	103	%	%	05/19/20	KCA	1

Parameter	ppbv Result	ppbv RL	LOD/ MDL	ug/m3 Result	ug/m3 RL	LOD/ MDL	Date/Time	By	Dilution
% IS-Chlorobenzene-d5	110	%	%	110	%	%	05/19/20	KCA	1
% Bromofluorobenzene (70.5x)	97	%	%	97	%	%	05/19/20	KCA	70.5
% IS-1,4-Difluorobenzene (70.5x)	101	%	%	101	%	%	05/19/20	KCA	70.5
% IS-Bromochloromethane (70.5x)	99	%	%	99	%	%	05/19/20	KCA	70.5
% IS-Chlorobenzene-d5 (70.5x)	103	%	%	103	%	%	05/19/20	KCA	70.5

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

May 21, 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

May 21, 2020

FOR: Attn: Kerri Wright
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.#:
Canister Id: 19835

Custody Information

Collected by: KAW
Received by: LB
Analyzed by: see "By" below

Date

05/15/20 16:32
05/18/20 16:05

Time

Laboratory Data

SDG ID: GCF96989
Phoenix ID: CF96996

Project ID: IPARK 0118.41 LAMILPA
Client ID: SSIA-04

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	05/19/20	KCA	1
1,1-Dichloroethene	ND	0.100	0.100	ND	0.40	0.40	05/19/20	KCA	1
1,2,4-Trichlorobenzene	ND	0.250	0.250	ND	1.85	1.85	05/19/20	KCA	1
1,2-Dichlorobenzene	ND	0.150	0.150	ND	0.90	0.90	05/19/20	KCA	1
1,3-Dichlorobenzene	ND	0.150	0.150	ND	0.90	0.90	05/19/20	KCA	1
1,4-Dichlorobenzene	ND	0.150	0.150	ND	0.90	0.90	05/19/20	KCA	1
Acetone	20.7	1.00	1.00	49.1	2.37	2.37	05/19/20	KCA	1
Benzene	0.266	0.050	0.050	0.85	0.16	0.16	05/19/20	KCA	1
Carbon Tetrachloride	0.061	0.020	0.020	0.38	0.13	0.13	05/19/20	KCA	1
Chlorobenzene	ND	0.200	0.200	ND	0.92	0.92	05/19/20	KCA	1
Cis-1,2-Dichloroethene	ND	0.200	0.200	ND	0.79	0.79	05/19/20	KCA	1
Dichlorodifluoromethane	4.65	0.200	0.200	23.0	0.99	0.99	05/19/20	KCA	1
Ethylbenzene	ND	0.150	0.150	ND	0.65	0.65	05/19/20	KCA	1
m,p-Xylene	0.388	0.150	0.150	1.68	0.65	0.65	05/19/20	KCA	1
Methylene Chloride	ND	0.400	0.400	ND	1.39	1.39	05/19/20	KCA	1
o-Xylene	0.168	0.150	0.150	0.73	0.65	0.65	05/19/20	KCA	1
Tetrachloroethene	3.18	0.100	0.100	21.6	0.68	0.68	05/19/20	KCA	1
Toluene	ND	0.200	0.200	ND	0.75	0.75	05/19/20	KCA	1
Trichloroethene	0.448	0.037	0.037	2.41	0.20	0.20	05/19/20	KCA	1
Trichlorofluoromethane	30.3	0.150	0.150	170	0.84	0.84	05/19/20	KCA	1
Trichlorotrifluoroethane	4670	50.6	50.6	35800	388	388	05/20/20	KCA	337.5
Vinyl Chloride	ND	0.020	0.020	ND	0.05	0.05	05/19/20	KCA	1
<u>QA/QC Surrogates/Internals</u>									
% Bromofluorobenzene	99	%	%	99	%	%	05/19/20	KCA	1
% IS-1,4-Difluorobenzene	111	%	%	111	%	%	05/19/20	KCA	1
% IS-Bromochloromethane	104	%	%	104	%	%	05/19/20	KCA	1

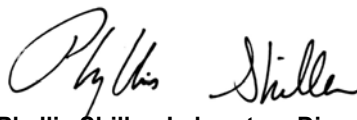
Parameter	ppbv Result	ppbv RL	LOD/ MDL	ug/m3 Result	ug/m3 RL	LOD/ MDL	Date/Time	By	Dilution
% IS-Chlorobenzene-d5	112	%	%	112	%	%	05/19/20	KCA	1
% Bromofluorobenzene (67.5x)	98	%	%	98	%	%	05/19/20	KCA	67.5
% IS-1,4-Difluorobenzene (67.5x)	96	%	%	96	%	%	05/19/20	KCA	67.5
% IS-Bromochloromethane (67.5x)	91	%	%	91	%	%	05/19/20	KCA	67.5
% IS-Chlorobenzene-d5 (67.5x)	97	%	%	97	%	%	05/19/20	KCA	67.5
% Bromofluorobenzene (337.5x)	97	%	%	97	%	%	05/20/20	KCA	337.5
% IS-1,4-Difluorobenzene (337.5x)	91	%	%	91	%	%	05/20/20	KCA	337.5
% IS-Bromochloromethane (337.5x)	90	%	%	90	%	%	05/20/20	KCA	337.5
% IS-Chlorobenzene-d5 (337.5x)	93	%	%	93	%	%	05/20/20	KCA	337.5

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

May 21, 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

May 21, 2020

FOR: Attn: Kerri Wright
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.#:
Canister Id: 492

Custody Information

Collected by: KAW
Received by: LB
Analyzed by: see "By" below

Date

05/15/20 16:25
05/18/20 16:05

Time

Laboratory Data

SDG ID: GCF96989
Phoenix ID: CF96997

Project ID: IPARK 0118.41 LAMILPA
Client ID: IA-05

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	05/19/20	KCA	1
1,1-Dichloroethene	ND	0.100	0.100	ND	0.40	0.40	05/19/20	KCA	1
1,2,4-Trichlorobenzene	ND	0.250	0.250	ND	1.85	1.85	05/19/20	KCA	1
1,2-Dichlorobenzene	ND	0.150	0.150	ND	0.90	0.90	05/19/20	KCA	1
1,3-Dichlorobenzene	ND	0.150	0.150	ND	0.90	0.90	05/19/20	KCA	1
1,4-Dichlorobenzene	ND	0.150	0.150	ND	0.90	0.90	05/19/20	KCA	1
Acetone	7.35	1.00	1.00	17.4	2.37	2.37	05/19/20	KCA	1
Benzene	0.142	0.050	0.050	0.45	0.16	0.16	05/19/20	KCA	1
Carbon Tetrachloride	0.064	0.020	0.020	0.40	0.13	0.13	05/19/20	KCA	1
Chlorobenzene	ND	0.200	0.200	ND	0.92	0.92	05/19/20	KCA	1
Cis-1,2-Dichloroethene	ND	0.200	0.200	ND	0.79	0.79	05/19/20	KCA	1
Dichlorodifluoromethane	0.375	0.200	0.200	1.85	0.99	0.99	05/19/20	KCA	1
Ethylbenzene	ND	0.150	0.150	ND	0.65	0.65	05/19/20	KCA	1
m,p-Xylene	0.506	0.150	0.150	2.20	0.65	0.65	05/19/20	KCA	1
Methylene Chloride	ND	0.400	0.400	ND	1.39	1.39	05/19/20	KCA	1
o-Xylene	ND	0.150	0.150	ND	0.65	0.65	05/19/20	KCA	1
Tetrachloroethene	0.253	0.100	0.100	1.71	0.68	0.68	05/19/20	KCA	1
Toluene	0.334	0.200	0.200	1.26	0.75	0.75	05/19/20	KCA	1
Trichloroethene	ND	0.037	0.037	ND	0.20	0.20	05/19/20	KCA	1
Trichlorofluoromethane	0.345	0.150	0.150	1.94	0.84	0.84	05/19/20	KCA	1
Trichlorotrifluoroethane	0.153	0.150	0.150	1.17	1.15	1.15	05/19/20	KCA	1
Vinyl Chloride	ND	0.020	0.020	ND	0.05	0.05	05/19/20	KCA	1
QA/QC Surrogates/Internals									
% Bromofluorobenzene	98	%	%	98	%	%	05/19/20	KCA	1
% IS-1,4-Difluorobenzene	115	%	%	115	%	%	05/19/20	KCA	1
% IS-Bromochloromethane	111	%	%	111	%	%	05/19/20	KCA	1

Client ID: IA-05

Parameter	ppbv Result	ppbv RL	LOD/ MDL	ug/m3 Result	ug/m3 RL	LOD/ MDL	Date/Time	By	Dilution
% IS-Chlorobenzene-d5	114	%	%	114	%	%	05/19/20	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 (preceeded 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

May 21, 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

May 21, 2020

FOR: Attn: Kerri Wright
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.#:
Canister Id: 19969

Custody Information

Collected by: KAW
Received by: LB
Analyzed by: see "By" below

Date

05/15/20 16:42
05/18/20 16:05

Time

Laboratory Data

SDG ID: GCF96989
Phoenix ID: CF96998

Project ID: IPARK 0118.41 LAMILPA
Client ID: IA-07

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	05/19/20	KCA	1
1,1-Dichloroethene	ND	0.100	0.100	ND	0.40	0.40	05/19/20	KCA	1
1,2,4-Trichlorobenzene	ND	0.250	0.250	ND	1.85	1.85	05/19/20	KCA	1
1,2-Dichlorobenzene	ND	0.150	0.150	ND	0.90	0.90	05/19/20	KCA	1
1,3-Dichlorobenzene	ND	0.150	0.150	ND	0.90	0.90	05/19/20	KCA	1
1,4-Dichlorobenzene	ND	0.150	0.150	ND	0.90	0.90	05/19/20	KCA	1
Acetone	6.81	1.00	1.00	16.2	2.37	2.37	05/19/20	KCA	1
Benzene	0.134	0.050	0.050	0.43	0.16	0.16	05/19/20	KCA	1
Carbon Tetrachloride	0.065	0.020	0.020	0.41	0.13	0.13	05/19/20	KCA	1
Chlorobenzene	ND	0.200	0.200	ND	0.92	0.92	05/19/20	KCA	1
Cis-1,2-Dichloroethene	ND	0.200	0.200	ND	0.79	0.79	05/19/20	KCA	1
Dichlorodifluoromethane	0.369	0.200	0.200	1.82	0.99	0.99	05/19/20	KCA	1
Ethylbenzene	ND	0.150	0.150	ND	0.65	0.65	05/19/20	KCA	1
m,p-Xylene	0.154	0.150	0.150	0.67	0.65	0.65	05/19/20	KCA	1
Methylene Chloride	ND	0.400	0.400	ND	1.39	1.39	05/19/20	KCA	1
o-Xylene	ND	0.150	0.150	ND	0.65	0.65	05/19/20	KCA	1
Tetrachloroethene	0.247	0.100	0.100	1.67	0.68	0.68	05/19/20	KCA	1
Toluene	0.398	0.200	0.200	1.50	0.75	0.75	05/19/20	KCA	1
Trichloroethene	ND	0.037	0.037	ND	0.20	0.20	05/19/20	KCA	1
Trichlorofluoromethane	0.357	0.150	0.150	2.00	0.84	0.84	05/19/20	KCA	1
Trichlorotrifluoroethane	0.163	0.150	0.150	1.25	1.15	1.15	05/19/20	KCA	1
Vinyl Chloride	ND	0.020	0.020	ND	0.05	0.05	05/19/20	KCA	1
<u>QA/QC Surrogates/Internals</u>									
% Bromofluorobenzene	101	%	%	101	%	%	05/19/20	KCA	1
% IS-1,4-Difluorobenzene	112	%	%	112	%	%	05/19/20	KCA	1
% IS-Bromochloromethane	110	%	%	110	%	%	05/19/20	KCA	1

Client ID: IA-07

Parameter	ppbv Result	ppbv RL	LOD/ MDL	ug/m3 Result	ug/m3 RL	LOD/ MDL	Date/Time	By	Dilution
% IS-Chlorobenzene-d5	111	%	%	111	%	%	05/19/20	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

May 21, 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

May 21, 2020

FOR: Attn: Kerri Wright
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.#:
Canister Id: 28578

Custody Information

Collected by: KAW
Received by: LB
Analyzed by: see "By" below

Date

05/15/20 15:44
05/18/20 16:05

Time

Laboratory Data

SDG ID: GCF96989
Phoenix ID: CF96999

Project ID: IPARK 0118.41 LAMILPA
Client ID: IA-04

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	05/19/20	KCA	1
1,1-Dichloroethene	ND	0.100	0.100	ND	0.40	0.40	05/19/20	KCA	1
1,2,4-Trichlorobenzene	ND	0.250	0.250	ND	1.85	1.85	05/19/20	KCA	1
1,2-Dichlorobenzene	ND	0.150	0.150	ND	0.90	0.90	05/19/20	KCA	1
1,3-Dichlorobenzene	ND	0.150	0.150	ND	0.90	0.90	05/19/20	KCA	1
1,4-Dichlorobenzene	ND	0.150	0.150	ND	0.90	0.90	05/19/20	KCA	1
Acetone	6.96	1.00	1.00	16.5	2.37	2.37	05/19/20	KCA	1
Benzene	0.142	0.050	0.050	0.45	0.16	0.16	05/19/20	KCA	1
Carbon Tetrachloride	0.067	0.020	0.020	0.42	0.13	0.13	05/19/20	KCA	1
Chlorobenzene	ND	0.200	0.200	ND	0.92	0.92	05/19/20	KCA	1
Cis-1,2-Dichloroethene	ND	0.200	0.200	ND	0.79	0.79	05/19/20	KCA	1
Dichlorodifluoromethane	0.367	0.200	0.200	1.81	0.99	0.99	05/19/20	KCA	1
Ethylbenzene	ND	0.150	0.150	ND	0.65	0.65	05/19/20	KCA	1
m,p-Xylene	0.205	0.150	0.150	0.89	0.65	0.65	05/19/20	KCA	1
Methylene Chloride	ND	0.400	0.400	ND	1.39	1.39	05/19/20	KCA	1
o-Xylene	ND	0.150	0.150	ND	0.65	0.65	05/19/20	KCA	1
Tetrachloroethene	0.268	0.100	0.100	1.82	0.68	0.68	05/19/20	KCA	1
Toluene	0.372	0.200	0.200	1.40	0.75	0.75	05/19/20	KCA	1
Trichloroethene	ND	0.037	0.037	ND	0.20	0.20	05/19/20	KCA	1
Trichlorofluoromethane	0.359	0.150	0.150	2.02	0.84	0.84	05/19/20	KCA	1
Trichlorotrifluoroethane	0.156	0.150	0.150	1.19	1.15	1.15	05/19/20	KCA	1
Vinyl Chloride	ND	0.020	0.020	ND	0.05	0.05	05/19/20	KCA	1
QA/QC Surrogates/Internals									
% Bromofluorobenzene	99	%	%	99	%	%	05/19/20	KCA	1
% IS-1,4-Difluorobenzene	105	%	%	105	%	%	05/19/20	KCA	1
% IS-Bromochloromethane	102	%	%	102	%	%	05/19/20	KCA	1

Client ID: IA-04

Parameter	ppbv Result	ppbv RL	LOD/ MDL	ug/m3 Result	ug/m3 RL	LOD/ MDL	Date/Time	By	Dilution
% IS-Chlorobenzene-d5	105	%	%	105	%	%	05/19/20	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

May 21, 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

May 21, 2020

FOR: Attn: Kerri Wright
Walden Environmental Engineering PLLC
16 Spring Street
Oyster Bay, NY 11771

Sample Information

Matrix: AIR
Location Code: WALDENE-IPARK
Rush Request: 48 Hour
P.O.#:
Canister Id: 455

Custody Information

Collected by: KAW
Received by: LB
Analyzed by: see "By" below

Date

05/15/20 15:30
05/18/20 16:05

Time

Laboratory Data

SDG ID: GCF96989
Phoenix ID: CF97000

Project ID: IPARK 0118.41 LAMILPA
Client ID: IA-06

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	05/19/20	KCA	1
1,1-Dichloroethene	ND	0.100	0.100	ND	0.40	0.40	05/19/20	KCA	1
1,2,4-Trichlorobenzene	ND	0.250	0.250	ND	1.85	1.85	05/19/20	KCA	1
1,2-Dichlorobenzene	ND	0.150	0.150	ND	0.90	0.90	05/19/20	KCA	1
1,3-Dichlorobenzene	ND	0.150	0.150	ND	0.90	0.90	05/19/20	KCA	1
1,4-Dichlorobenzene	ND	0.150	0.150	ND	0.90	0.90	05/19/20	KCA	1
Acetone	7.03	1.00	1.00	16.7	2.37	2.37	05/19/20	KCA	1
Benzene	0.139	0.050	0.050	0.44	0.16	0.16	05/19/20	KCA	1
Carbon Tetrachloride	0.065	0.020	0.020	0.41	0.13	0.13	05/19/20	KCA	1
Chlorobenzene	ND	0.200	0.200	ND	0.92	0.92	05/19/20	KCA	1
Cis-1,2-Dichloroethene	ND	0.200	0.200	ND	0.79	0.79	05/19/20	KCA	1
Dichlorodifluoromethane	0.378	0.200	0.200	1.87	0.99	0.99	05/19/20	KCA	1
Ethylbenzene	ND	0.150	0.150	ND	0.65	0.65	05/19/20	KCA	1
m,p-Xylene	0.154	0.150	0.150	0.67	0.65	0.65	05/19/20	KCA	1
Methylene Chloride	ND	0.400	0.400	ND	1.39	1.39	05/19/20	KCA	1
o-Xylene	ND	0.150	0.150	ND	0.65	0.65	05/19/20	KCA	1
Tetrachloroethene	0.258	0.100	0.100	1.75	0.68	0.68	05/19/20	KCA	1
Toluene	0.363	0.200	0.200	1.37	0.75	0.75	05/19/20	KCA	1
Trichloroethene	ND	0.037	0.037	ND	0.20	0.20	05/19/20	KCA	1
Trichlorofluoromethane	0.381	0.150	0.150	2.14	0.84	0.84	05/19/20	KCA	1
Trichlorotrifluoroethane	ND	0.150	0.150	ND	1.15	1.15	05/19/20	KCA	1
Vinyl Chloride	ND	0.020	0.020	ND	0.05	0.05	05/19/20	KCA	1
<u>QA/QC Surrogates/Internals</u>									
% Bromofluorobenzene	100	%	%	100	%	%	05/19/20	KCA	1
% IS-1,4-Difluorobenzene	106	%	%	106	%	%	05/19/20	KCA	1
% IS-Bromochloromethane	103	%	%	103	%	%	05/19/20	KCA	1

Client ID: IA-06

Parameter	ppbv Result	ppbv RL	LOD/ MDL	ug/m3 Result	ug/m3 RL	LOD/ MDL	Date/Time	By	Dilution
% IS-Chlorobenzene-d5	107	%	%	107	%	%	05/19/20	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

May 21, 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

May 21, 2020

FOR: Attn: Kerri Wright
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.#:
Canister Id: 23352

Custody Information

Collected by: KAW
Received by: LB
Analyzed by: see "By" below

Date

05/15/20 16:49
05/18/20 16:05

Time

Laboratory Data

SDG ID: GCF96989
Phoenix ID: CF97001

Project ID: IPARK 0118.41 LAMILPA
Client ID: AA-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	05/19/20	KCA	1
1,1-Dichloroethene	ND	0.100	0.100	ND	0.40	0.40	05/19/20	KCA	1
1,2,4-Trichlorobenzene	ND	0.250	0.250	ND	1.85	1.85	05/19/20	KCA	1
1,2-Dichlorobenzene	ND	0.150	0.150	ND	0.90	0.90	05/19/20	KCA	1
1,3-Dichlorobenzene	ND	0.150	0.150	ND	0.90	0.90	05/19/20	KCA	1
1,4-Dichlorobenzene	ND	0.150	0.150	ND	0.90	0.90	05/19/20	KCA	1
Acetone	2.47	1.00	1.00	5.86	2.37	2.37	05/19/20	KCA	1
Benzene	0.122	0.050	0.050	0.39	0.16	0.16	05/19/20	KCA	1
Carbon Tetrachloride	0.066	0.020	0.020	0.41	0.13	0.13	05/19/20	KCA	1
Chlorobenzene	ND	0.200	0.200	ND	0.92	0.92	05/19/20	KCA	1
Cis-1,2-Dichloroethene	ND	0.200	0.200	ND	0.79	0.79	05/19/20	KCA	1
Dichlorodifluoromethane	0.352	0.200	0.200	1.74	0.99	0.99	05/19/20	KCA	1
Ethylbenzene	ND	0.150	0.150	ND	0.65	0.65	05/19/20	KCA	1
m,p-Xylene	ND	0.150	0.150	ND	0.65	0.65	05/19/20	KCA	1
Methylene Chloride	ND	0.400	0.400	ND	1.39	1.39	05/19/20	KCA	1
o-Xylene	ND	0.150	0.150	ND	0.65	0.65	05/19/20	KCA	1
Tetrachloroethene	ND	0.100	0.100	ND	0.68	0.68	05/19/20	KCA	1
Toluene	0.224	0.200	0.200	0.84	0.75	0.75	05/19/20	KCA	1
Trichloroethene	ND	0.037	0.037	ND	0.20	0.20	05/19/20	KCA	1
Trichlorofluoromethane	0.229	0.150	0.150	1.29	0.84	0.84	05/19/20	KCA	1
Trichlorotrifluoroethane	0.151	0.150	0.150	1.16	1.15	1.15	05/19/20	KCA	1
Vinyl Chloride	ND	0.020	0.020	ND	0.05	0.05	05/19/20	KCA	1
QA/QC Surrogates/Internals									
% Bromofluorobenzene	98	%	%	98	%	%	05/19/20	KCA	1
% IS-1,4-Difluorobenzene	106	%	%	106	%	%	05/19/20	KCA	1
% IS-Bromochloromethane	103	%	%	103	%	%	05/19/20	KCA	1

Client ID: AA-01

Parameter	ppbv Result	ppbv RL	LOD/ MDL	ug/m3 Result	ug/m3 RL	LOD/ MDL	Date/Time	By	Dilution
% IS-Chlorobenzene-d5	106	%	%	106	%	%	05/19/20	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:

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

May 21, 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

May 21, 2020

FOR: Attn: Kerri Wright
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.#:
Canister Id: 28613

Custody Information

Collected by: KAW
Received by: LB
Analyzed by: see "By" below

Date

05/15/20 16:35
05/18/20 16:05

Time

Laboratory Data

SDG ID: GCF96989
Phoenix ID: CF97002

Project ID: IPARK 0118.41 LAMILPA
Client ID: IA-01

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	05/19/20	KCA	1
1,1-Dichloroethene	ND	0.100	0.100	ND	0.40	0.40	05/19/20	KCA	1
1,2,4-Trichlorobenzene	ND	0.250	0.250	ND	1.85	1.85	05/19/20	KCA	1
1,2-Dichlorobenzene	ND	0.150	0.150	ND	0.90	0.90	05/19/20	KCA	1
1,3-Dichlorobenzene	ND	0.150	0.150	ND	0.90	0.90	05/19/20	KCA	1
1,4-Dichlorobenzene	ND	0.150	0.150	ND	0.90	0.90	05/19/20	KCA	1
Acetone	6.91	1.00	1.00	16.4	2.37	2.37	05/19/20	KCA	1
Benzene	0.132	0.050	0.050	0.42	0.16	0.16	05/19/20	KCA	1
Carbon Tetrachloride	0.066	0.020	0.020	0.41	0.13	0.13	05/19/20	KCA	1
Chlorobenzene	ND	0.200	0.200	ND	0.92	0.92	05/19/20	KCA	1
Cis-1,2-Dichloroethene	ND	0.200	0.200	ND	0.79	0.79	05/19/20	KCA	1
Dichlorodifluoromethane	0.360	0.200	0.200	1.78	0.99	0.99	05/19/20	KCA	1
Ethylbenzene	ND	0.150	0.150	ND	0.65	0.65	05/19/20	KCA	1
m,p-Xylene	ND	0.150	0.150	ND	0.65	0.65	05/19/20	KCA	1
Methylene Chloride	ND	0.400	0.400	ND	1.39	1.39	05/19/20	KCA	1
o-Xylene	ND	0.150	0.150	ND	0.65	0.65	05/19/20	KCA	1
Tetrachloroethene	0.247	0.100	0.100	1.67	0.68	0.68	05/19/20	KCA	1
Toluene	0.248	0.200	0.200	0.93	0.75	0.75	05/19/20	KCA	1
Trichloroethene	ND	0.037	0.037	ND	0.20	0.20	05/19/20	KCA	1
Trichlorofluoromethane	0.365	0.150	0.150	2.05	0.84	0.84	05/19/20	KCA	1
Trichlorotrifluoroethane	ND	0.150	0.150	ND	1.15	1.15	05/19/20	KCA	1
Vinyl Chloride	ND	0.020	0.020	ND	0.05	0.05	05/19/20	KCA	1
<u>QA/QC Surrogates/Internals</u>									
% Bromofluorobenzene	100	%	%	100	%	%	05/19/20	KCA	1
% IS-1,4-Difluorobenzene	104	%	%	104	%	%	05/19/20	KCA	1
% IS-Bromochloromethane	103	%	%	103	%	%	05/19/20	KCA	1

Client ID: IA-01

Parameter	ppbv Result	ppbv RL	LOD/ MDL	ug/m3 Result	ug/m3 RL	LOD/ MDL	Date/Time	By	Dilution
% IS-Chlorobenzene-d5	105	%	%	105	%	%	05/19/20	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:

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

May 21, 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

May 21, 2020

FOR: Attn: Kerri Wright
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.#:
Canister Id: 11289

Custody Information

Collected by: KAW
Received by: LB
Analyzed by: see "By" below

Date

05/15/20 15:06
05/18/20 16:05

Time

Laboratory Data

SDG ID: GCF96989
Phoenix ID: CF97003

Project ID: IPARK 0118.41 LAMILPA
Client ID: SSIA-06

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	05/19/20	KCA	1
1,1-Dichloroethene	ND	0.100	0.100	ND	0.40	0.40	05/19/20	KCA	1
1,2,4-Trichlorobenzene	ND	0.250	0.250	ND	1.85	1.85	05/19/20	KCA	1
1,2-Dichlorobenzene	ND	0.150	0.150	ND	0.90	0.90	05/19/20	KCA	1
1,3-Dichlorobenzene	ND	0.150	0.150	ND	0.90	0.90	05/19/20	KCA	1
1,4-Dichlorobenzene	ND	0.150	0.150	ND	0.90	0.90	05/19/20	KCA	1
Acetone	5.93	1.00	1.00	14.1	2.37	2.37	05/19/20	KCA	1
Benzene	0.150	0.050	0.050	0.48	0.16	0.16	05/19/20	KCA	1
Carbon Tetrachloride	0.050	0.020	0.020	0.31	0.13	0.13	05/19/20	KCA	1
Chlorobenzene	ND	0.200	0.200	ND	0.92	0.92	05/19/20	KCA	1
Cis-1,2-Dichloroethene	11.0	0.200	0.200	43.6	0.79	0.79	05/19/20	KCA	1
Dichlorodifluoromethane	0.620	0.200	0.200	3.06	0.99	0.99	05/19/20	KCA	1
Ethylbenzene	ND	0.150	0.150	ND	0.65	0.65	05/19/20	KCA	1
m,p-Xylene	0.327	0.150	0.150	1.42	0.65	0.65	05/19/20	KCA	1
Methylene Chloride	ND	0.400	0.400	ND	1.39	1.39	05/19/20	KCA	1
o-Xylene	ND	0.150	0.150	ND	0.65	0.65	05/19/20	KCA	1
Tetrachloroethene	206	1.00	1.00	1400	6.78	6.78	05/20/20	KCA	10
Toluene	ND	0.200	0.200	ND	0.75	0.75	05/19/20	KCA	1
Trichloroethene	21.5	0.037	0.037	115	0.20	0.20	05/19/20	KCA	1
Trichlorofluoromethane	0.447	0.150	0.150	2.51	0.84	0.84	05/19/20	KCA	1
Trichlorotrifluoroethane	39.5	0.150	0.150	303	1.15	1.15	05/19/20	KCA	1
Vinyl Chloride	ND	0.020	0.020	ND	0.05	0.05	05/19/20	KCA	1
<u>QA/QC Surrogates/Internals</u>									
% Bromofluorobenzene	102	%	%	102	%	%	05/19/20	KCA	1
% IS-1,4-Difluorobenzene	100	%	%	100	%	%	05/19/20	KCA	1
% IS-Bromochloromethane	97	%	%	97	%	%	05/19/20	KCA	1

Parameter	ppbv Result	ppbv RL	LOD/ MDL	ug/m3 Result	ug/m3 RL	LOD/ MDL	Date/Time	By	Dilution
% IS-Chlorobenzene-d5	104	%	%	104	%	%	05/19/20	KCA	1
% Bromofluorobenzene (10x)	100	%	%	100	%	%	05/20/20	KCA	10
% IS-1,4-Difluorobenzene (10x)	95	%	%	95	%	%	05/20/20	KCA	10
% IS-Bromochloromethane (10x)	93	%	%	93	%	%	05/20/20	KCA	10
% IS-Chlorobenzene-d5 (10x)	93	%	%	93	%	%	05/20/20	KCA	10

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

May 21, 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

May 21, 2020

FOR: Attn: Kerri Wright
Walden Environmental Engineering PLLC
16 Spring Street
Oyster Bay, NY 11771

Location Code: WALDENE-IPARK

SDG I.D.: GCF96989

Project ID: IPARK 0118.41 LAMILPA

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-02	CF96989	23341	6.0L	7020	05/12/20	-30	-4	10.8	10.8	0.0	-30	-4	05/15/20 8:47	05/15/20 17:05
SSIA-02	CF96990	230	6.0L	4490	05/12/20	-30	-4	10.8	11.3	4.5	-30	-4	05/15/20 8:45	05/15/20 17:07
IA-03	CF96991	12854	6.0L	5600	05/12/20	-30	-4	10.8	10.9	0.9	-31	-3	05/15/20 8:24	05/15/20 16:37
SSIA-01	CF96992	12860	6.0L	7425	05/12/20	-30	-4	10.8	11.1	2.7	-30	-4	05/15/20 8:40	05/15/20 17:03
SSIA-05	CF96993	474	6.0L	7040	05/12/20	-30	-4	10.8	10.8	0.0	-29	-3	05/15/20 8:03	05/15/20 16:27
SSIA-07	CF96994	19930	6.0L	5041	05/12/20	-30	-3	10.8	10.8	0.0	-31	-3	05/15/20 8:19	05/15/20 16:40
SSIA-03	CF96995	13640	6.0L	5041	05/12/20	-30	-3	10.8	11.7	8.0	-30	-3	05/15/20 8:28	05/15/20 16:35
SSIA-04	CF96996	19835	6.0L	7016	05/12/20	-30	-3	10.8	11.3	4.5	-31	-2	05/15/20 8:12	05/15/20 16:32
IA-05	CF96997	492	6.0L	6990	05/12/20	-30	-3	10.8	10.8	0.0	-29	-3	05/15/20 8:05	05/15/20 16:25
IA-07	CF96998	19969	6.0L	3258	05/12/20	-30	-3	10.8	11.1	2.7	-31	-4	05/15/20 8:22	05/15/20 16:42
IA-04	CF96999	28578	6.0L	7015	05/12/20	-30	-5	10.8	11.2	3.6	-28	-3	05/15/20 8:09	05/15/20 15:44
IA-06	CF97000	455	6.0L	5043	05/12/20	-30	-3	10.8	11	1.8	-30	-3	05/15/20 7:55	05/15/20 15:30
AA-01	CF97001	23352	6.0L	3409	05/12/20	-30	-6	10.8	11.1	2.7	-30	-5	05/15/20 8:58	05/15/20 16:49
IA-01	CF97002	28613	6.0L	6995	05/12/20	-30	-5	10.8	10.9	0.9	-29	-3	05/15/20 8:37	05/15/20 16:35



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

May 21, 2020

FOR: Attn: Kerri Wright
Walden Environmental Engineering PLLC
16 Spring Street
Oyster Bay, NY 11771

Location Code: WALDENE-IPARK

SDG I.D.: GCF96989

Project ID: IPARK 0118.41 LAMILPA

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
SSIA-06	CF97003	11289	6.0L	6976	05/12/20	-30	-1	10.8	11	1.8	-26	-1	05/15/20 8:00	05/15/20 15:06

Thursday, May 21, 2020

Criteria: None
State: NY

Sample Criteria Exceedances Report
GCF96989 - WALDENE-IPARK

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.

CHAIN OF CUSTODY RECORD
AIR ANALYSES

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

P.O. #

Page 1 of 2

Data Delivery:

☐ Fax #:

☒ Email: norew@warden-associates.com

☐ Phone #:

Report to:	Kern Wright	Project Name:	Park Oil 18.4 Lamilla
Customer:	Walden Env	Invoice to:	Carimontreil Park East Fshv. 111
Address:	2070 KOUR 50 HOLEWELL JUNCTION 4		485 WEST AUTUMN AVE GREENWICH CT
	12533	Sampled by:	KAW
		Quote Number:	04880

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)	MATRIX		Ambient/Indoor Air	Soil Gas	Grab (G) Composite	TO-15	APM
THIS SECTION FOR LAB USE ONLY																			
90989	IA - 02	23341	6.0	-30	-4	7020	10.8	8:47	17:05	5/15	-30	-4	X	X	G	X			
90990	SSIA - 02	230			-4	4490		8:45	17:07	5/15	-30	-4	X	X	G	X			
		28571				5600													
90991	IA - 03	12854			-4	5614		8:24	10:37	5/15	-31	-3	X	X	G	X			
90992	SSIA - 01	12860			-4	4425		8:40	17:03	5/15	-30	-4	X	X	G	X			
90993	SSIA - 05	474			-4	7040		8:03	10:27	5/15	-29	-3	X	X	G	X			
90994	SSIA - 07	19930			-3	5394		8:19	10:40	5/15	-31	-3	X	X	G	X			
90995	SSIA - 03	13640			-3	5041		8:28	10:35	5/15	-30	-3	X	X	G	X			
90996	SSIA - 04	19835			-3	7016		8:12	10:32	5/15	-31	-2	X	X	G	X			
90997	IA - 05	492			-3	6990		8:05	10:25	5/15	-29	-3	X	X	G	X			

Relinquished by: Kern Wright Date: 5/18/2013 Time: 13:40
Accepted by: Kern Wright Date: 5/18/2013 Time: 16:05
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.

Signature: _____ Date: _____

State Where Samples Collected: <u>NY</u>	Requested Criteria: <u>MA:</u>	NI:	NY:	PA:	VE:
Turnaround Time: ☐ 1 Day ☐ 2 Day ☐ 3 Day ☐ 4 Day ☐ 5 Day	CI: TAC I/C TAC RES SVVC I/C SVVC RES GWV I/C GWV RES	Indoor Air Residential Ind/Commercial Soil Gas Residential Ind/Commercial	Indoor Air Residential Ind/Commercial Soil Gas Residential Ind/Commercial	Vapor Intrusion	Indoor Air Residential Industrial Sub-slab Industrial

SPECIAL INSTRUCTIONS, QC REQUIREMENTS, REGULATORY INFORMATION:

(10)(60)
(54)
AND
CET



Wednesday, May 20, 2020

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

Project ID: I PARK 0118.41
SDG ID: GCF96460
Sample ID#s: CF96460 - CF96464

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.

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

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

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



SDG Comments

May 20, 2020

SDG I.D.: GCF96460

Please be advised that the NY 375 soil criteria for chromium are based on hexavalent chromium and trivalent chromium.



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



Sample Id Cross Reference

May 20, 2020

SDG I.D.: GCF96460

Project ID: I PARK 0118.41

Client Id	Lab Id	Matrix
SS-1 (1-2')	CF96460	SOIL
SS-2 (1-2')	CF96461	SOIL
SS-3 (1-2')	CF96462	SOIL
SS-4 (1-2')	CF96463	SOIL
SS-5 (3-4')	CF96464	SOIL



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



Analysis Report

May 20, 2020

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

Sample Information

Matrix: SOIL
Location Code: WALDENE-IPARK
Rush Request: 48 Hour
P.O.#: I PARK 0118.41

Custody Information

Collected by: KW
Received by: LB
Analyzed by: see "By" below

Date

05/14/20
05/15/20

Time

13:00
16:16

Laboratory Data

SDG ID: GCF96460
Phoenix ID: CF96460

Project ID: I PARK 0118.41
Client ID: SS-1 (1-2')

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Aluminum	16000	47	mg/Kg	10	05/16/20	EK	SW6010D
Antimony	< 3.1	3.1	mg/Kg	1	05/16/20	EK	SW6010D
Arsenic	4.28	0.63	mg/Kg	1	05/16/20	EK	SW6010D
Barium	55.0	0.31	mg/Kg	1	05/16/20	EK	SW6010D
Beryllium	< 0.25	0.25	mg/Kg	1	05/16/20	EK	SW6010D
Calcium	22600	47	mg/Kg	10	05/16/20	EK	SW6010D
Cadmium	2.12	0.31	mg/Kg	1	05/16/20	EK	SW6010D
Chromium	14.4	0.31	mg/Kg	1	05/16/20	EK	SW6010D
Cobalt	11.5	0.31	mg/Kg	1	05/16/20	EK	SW6010D
Copper	34.5	0.6	mg/kg	1	05/16/20	EK	SW6010D
Iron	35100	47	mg/Kg	10	05/16/20	EK	SW6010D
Lead	17.0	0.31	mg/Kg	1	05/16/20	EK	SW6010D
Magnesium	11500	47	mg/Kg	10	05/16/20	EK	SW6010D
Manganese	1720	31	mg/Kg	100	05/18/20	EK	SW6010D
Mercury	< 0.03	0.03	mg/Kg	2	05/18/20	RS	SW7471B
Nickel	27.1	0.31	mg/Kg	1	05/16/20	EK	SW6010D
Potassium	1250	4.7	mg/Kg	1	05/16/20	EK	SW6010D
Selenium	< 1.3	1.3	mg/Kg	1	05/16/20	EK	SW6010D
Silver	< 0.31	0.31	mg/Kg	1	05/16/20	EK	SW6010D
Sodium	165	4.7	mg/Kg	1	05/16/20	EK	SW6010D
Thallium	< 2.8	2.8	mg/Kg	1	05/16/20	EK	SW6010D
Vanadium	15.8	0.31	mg/Kg	1	05/16/20	EK	SW6010D
Zinc	75.3	0.6	mg/Kg	1	05/16/20	EK	SW6010D
Percent Solid	96		%		05/15/20	HB	SW846-%Solid
Soil Extraction for SVOA	Completed				05/15/20	RR/EE	SW3545A
Mercury Digestion	Completed				05/18/20	A\VT\RA\	SW7471B
Total Metals Digest	Completed				05/15/20	S\AG	SW3050B

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
<u>Volatiles</u>							
1,1,1,2-Tetrachloroethane	ND	5.9	ug/Kg	1	05/16/20	JLI	SW8260C
1,1,1-Trichloroethane	ND	5.9	ug/Kg	1	05/16/20	JLI	SW8260C
1,1,2,2-Tetrachloroethane	ND	5.9	ug/Kg	1	05/16/20	JLI	SW8260C
1,1,2-Trichloroethane	ND	5.9	ug/Kg	1	05/16/20	JLI	SW8260C
1,1-Dichloroethane	ND	5.9	ug/Kg	1	05/16/20	JLI	SW8260C
1,1-Dichloroethene	ND	5.9	ug/Kg	1	05/16/20	JLI	SW8260C
1,1-Dichloropropene	ND	5.9	ug/Kg	1	05/16/20	JLI	SW8260C
1,2,3-Trichlorobenzene	ND	5.9	ug/Kg	1	05/16/20	JLI	SW8260C
1,2,3-Trichloropropane	ND	5.9	ug/Kg	1	05/16/20	JLI	SW8260C
1,2,4-Trichlorobenzene	ND	5.9	ug/Kg	1	05/16/20	JLI	SW8260C
1,2,4-Trimethylbenzene	ND	5.9	ug/Kg	1	05/16/20	JLI	SW8260C
1,2-Dibromo-3-chloropropane	ND	5.9	ug/Kg	1	05/16/20	JLI	SW8260C
1,2-Dibromoethane	ND	5.9	ug/Kg	1	05/16/20	JLI	SW8260C
1,2-Dichlorobenzene	ND	5.9	ug/Kg	1	05/16/20	JLI	SW8260C
1,2-Dichloroethane	ND	5.9	ug/Kg	1	05/16/20	JLI	SW8260C
1,2-Dichloropropane	ND	5.9	ug/Kg	1	05/16/20	JLI	SW8260C
1,3,5-Trimethylbenzene	ND	5.9	ug/Kg	1	05/16/20	JLI	SW8260C
1,3-Dichlorobenzene	ND	5.9	ug/Kg	1	05/16/20	JLI	SW8260C
1,3-Dichloropropane	ND	5.9	ug/Kg	1	05/16/20	JLI	SW8260C
1,4-Dichlorobenzene	ND	5.9	ug/Kg	1	05/16/20	JLI	SW8260C
2,2-Dichloropropane	ND	5.9	ug/Kg	1	05/16/20	JLI	SW8260C
2-Chlorotoluene	ND	5.9	ug/Kg	1	05/16/20	JLI	SW8260C
2-Hexanone	ND	29	ug/Kg	1	05/16/20	JLI	SW8260C
2-Isopropyltoluene	ND	5.9	ug/Kg	1	05/16/20	JLI	SW8260C
4-Chlorotoluene	ND	5.9	ug/Kg	1	05/16/20	JLI	SW8260C
4-Methyl-2-pentanone	ND	29	ug/Kg	1	05/16/20	JLI	SW8260C
Acetone	ND	29	ug/Kg	1	05/16/20	JLI	SW8260C
Acrylonitrile	ND	12	ug/Kg	1	05/16/20	JLI	SW8260C
Benzene	ND	5.9	ug/Kg	1	05/16/20	JLI	SW8260C
Bromobenzene	ND	5.9	ug/Kg	1	05/16/20	JLI	SW8260C
Bromochloromethane	ND	5.9	ug/Kg	1	05/16/20	JLI	SW8260C
Bromodichloromethane	ND	5.9	ug/Kg	1	05/16/20	JLI	SW8260C
Bromoform	ND	5.9	ug/Kg	1	05/16/20	JLI	SW8260C
Bromomethane	ND	5.9	ug/Kg	1	05/16/20	JLI	SW8260C
Carbon Disulfide	ND	5.9	ug/Kg	1	05/16/20	JLI	SW8260C
Carbon tetrachloride	ND	5.9	ug/Kg	1	05/16/20	JLI	SW8260C
Chlorobenzene	ND	5.9	ug/Kg	1	05/16/20	JLI	SW8260C
Chloroethane	ND	5.9	ug/Kg	1	05/16/20	JLI	SW8260C
Chloroform	ND	5.9	ug/Kg	1	05/16/20	JLI	SW8260C
Chloromethane	ND	5.9	ug/Kg	1	05/16/20	JLI	SW8260C
cis-1,2-Dichloroethene	ND	5.9	ug/Kg	1	05/16/20	JLI	SW8260C
cis-1,3-Dichloropropene	ND	5.9	ug/Kg	1	05/16/20	JLI	SW8260C
Dibromochloromethane	ND	5.9	ug/Kg	1	05/16/20	JLI	SW8260C
Dibromomethane	ND	5.9	ug/Kg	1	05/16/20	JLI	SW8260C
Dichlorodifluoromethane	ND	5.9	ug/Kg	1	05/16/20	JLI	SW8260C
Ethylbenzene	ND	5.9	ug/Kg	1	05/16/20	JLI	SW8260C
Hexachlorobutadiene	ND	5.9	ug/Kg	1	05/16/20	JLI	SW8260C
Isopropylbenzene	ND	5.9	ug/Kg	1	05/16/20	JLI	SW8260C

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
m&p-Xylene	ND	5.9	ug/Kg	1	05/16/20	JLI	SW8260C
Methyl Ethyl Ketone	ND	29	ug/Kg	1	05/16/20	JLI	SW8260C
Methyl t-butyl ether (MTBE)	ND	12	ug/Kg	1	05/16/20	JLI	SW8260C
Methylene chloride	ND	12	ug/Kg	1	05/16/20	JLI	SW8260C
Naphthalene	ND	5.9	ug/Kg	1	05/16/20	JLI	SW8260C
n-Butylbenzene	ND	5.9	ug/Kg	1	05/16/20	JLI	SW8260C
n-Propylbenzene	ND	5.9	ug/Kg	1	05/16/20	JLI	SW8260C
o-Xylene	ND	5.9	ug/Kg	1	05/16/20	JLI	SW8260C
p-Isopropyltoluene	ND	5.9	ug/Kg	1	05/16/20	JLI	SW8260C
sec-Butylbenzene	ND	5.9	ug/Kg	1	05/16/20	JLI	SW8260C
Styrene	ND	5.9	ug/Kg	1	05/16/20	JLI	SW8260C
tert-Butylbenzene	ND	5.9	ug/Kg	1	05/16/20	JLI	SW8260C
Tetrachloroethene	ND	5.9	ug/Kg	1	05/16/20	JLI	SW8260C
Tetrahydrofuran (THF)	ND	12	ug/Kg	1	05/16/20	JLI	SW8260C
Toluene	ND	5.9	ug/Kg	1	05/16/20	JLI	SW8260C
Total Xylenes	ND	5.9	ug/Kg	1	05/16/20	JLI	SW8260C
trans-1,2-Dichloroethene	ND	5.9	ug/Kg	1	05/16/20	JLI	SW8260C
trans-1,3-Dichloropropene	ND	5.9	ug/Kg	1	05/16/20	JLI	SW8260C
trans-1,4-dichloro-2-butene	ND	12	ug/Kg	1	05/16/20	JLI	SW8260C
Trichloroethene	ND	5.9	ug/Kg	1	05/16/20	JLI	SW8260C
Trichlorofluoromethane	ND	5.9	ug/Kg	1	05/16/20	JLI	SW8260C
Trichlorotrifluoroethane	ND	5.9	ug/Kg	1	05/16/20	JLI	SW8260C
Vinyl chloride	ND	5.9	ug/Kg	1	05/16/20	JLI	SW8260C
<u>QA/QC Surrogates</u>							
% 1,2-dichlorobenzene-d4	99		%	1	05/16/20	JLI	70 - 130 %
% Bromofluorobenzene	87		%	1	05/16/20	JLI	70 - 130 %
% Dibromofluoromethane	63		%	1	05/16/20	JLI	70 - 130 %
% Toluene-d8	96		%	1	05/16/20	JLI	70 - 130 %

3

Semivolatiles

1,2,4,5-Tetrachlorobenzene	ND	240	ug/Kg	1	05/16/20	KCA	SW8270D
1,2,4-Trichlorobenzene	ND	240	ug/Kg	1	05/16/20	KCA	SW8270D
1,2-Dichlorobenzene	ND	240	ug/Kg	1	05/16/20	KCA	SW8270D
1,2-Diphenylhydrazine	ND	340	ug/Kg	1	05/16/20	KCA	SW8270D
1,3-Dichlorobenzene	ND	240	ug/Kg	1	05/16/20	KCA	SW8270D
1,4-Dichlorobenzene	ND	240	ug/Kg	1	05/16/20	KCA	SW8270D
2,4,5-Trichlorophenol	ND	240	ug/Kg	1	05/16/20	KCA	SW8270D
2,4,6-Trichlorophenol	ND	240	ug/Kg	1	05/16/20	KCA	SW8270D
2,4-Dichlorophenol	ND	240	ug/Kg	1	05/16/20	KCA	SW8270D
2,4-Dimethylphenol	ND	240	ug/Kg	1	05/16/20	KCA	SW8270D
2,4-Dinitrophenol	ND	340	ug/Kg	1	05/16/20	KCA	SW8270D
2,4-Dinitrotoluene	ND	240	ug/Kg	1	05/16/20	KCA	SW8270D
2,6-Dinitrotoluene	ND	240	ug/Kg	1	05/16/20	KCA	SW8270D
2-Chloronaphthalene	ND	240	ug/Kg	1	05/16/20	KCA	SW8270D
2-Chlorophenol	ND	240	ug/Kg	1	05/16/20	KCA	SW8270D
2-Methylnaphthalene	ND	240	ug/Kg	1	05/16/20	KCA	SW8270D
2-Methylphenol (o-cresol)	ND	240	ug/Kg	1	05/16/20	KCA	SW8270D
2-Nitroaniline	ND	340	ug/Kg	1	05/16/20	KCA	SW8270D
2-Nitrophenol	ND	240	ug/Kg	1	05/16/20	KCA	SW8270D
3&4-Methylphenol (m&p-cresol)	ND	340	ug/Kg	1	05/16/20	KCA	SW8270D

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
3,3'-Dichlorobenzidine	ND	240	ug/Kg	1	05/16/20	KCA	SW8270D
3-Nitroaniline	ND	340	ug/Kg	1	05/16/20	KCA	SW8270D
4,6-Dinitro-2-methylphenol	ND	340	ug/Kg	1	05/16/20	KCA	SW8270D
4-Bromophenyl phenyl ether	ND	340	ug/Kg	1	05/16/20	KCA	SW8270D
4-Chloro-3-methylphenol	ND	240	ug/Kg	1	05/16/20	KCA	SW8270D
4-Chloroaniline	ND	240	ug/Kg	1	05/16/20	KCA	SW8270D
4-Chlorophenyl phenyl ether	ND	240	ug/Kg	1	05/16/20	KCA	SW8270D
4-Nitroaniline	ND	540	ug/Kg	1	05/16/20	KCA	SW8270D
4-Nitrophenol	ND	240	ug/Kg	1	05/16/20	KCA	SW8270D
Acenaphthene	ND	240	ug/Kg	1	05/16/20	KCA	SW8270D
Acenaphthylene	ND	240	ug/Kg	1	05/16/20	KCA	SW8270D
Acetophenone	ND	240	ug/Kg	1	05/16/20	KCA	SW8270D
Aniline	ND	340	ug/Kg	1	05/16/20	KCA	SW8270D
Anthracene	ND	240	ug/Kg	1	05/16/20	KCA	SW8270D
Benz(a)anthracene	ND	240	ug/Kg	1	05/16/20	KCA	SW8270D
Benzidine	ND	240	ug/Kg	1	05/16/20	KCA	SW8270D
Benzo(a)pyrene	ND	240	ug/Kg	1	05/16/20	KCA	SW8270D
Benzo(b)fluoranthene	ND	240	ug/Kg	1	05/16/20	KCA	SW8270D
Benzo(ghi)perylene	ND	240	ug/Kg	1	05/16/20	KCA	SW8270D
Benzo(k)fluoranthene	ND	240	ug/Kg	1	05/16/20	KCA	SW8270D
Benzoic acid	ND	680	ug/Kg	1	05/16/20	KCA	SW8270D
Benzyl butyl phthalate	ND	240	ug/Kg	1	05/16/20	KCA	SW8270D
Bis(2-chloroethoxy)methane	ND	240	ug/Kg	1	05/16/20	KCA	SW8270D
Bis(2-chloroethyl)ether	ND	340	ug/Kg	1	05/16/20	KCA	SW8270D
Bis(2-chloroisopropyl)ether	ND	240	ug/Kg	1	05/16/20	KCA	SW8270D
Bis(2-ethylhexyl)phthalate	ND	240	ug/Kg	1	05/16/20	KCA	SW8270D
Carbazole	ND	340	ug/Kg	1	05/16/20	KCA	SW8270D
Chrysene	ND	240	ug/Kg	1	05/16/20	KCA	SW8270D
Dibenz(a,h)anthracene	ND	240	ug/Kg	1	05/16/20	KCA	SW8270D
Dibenzofuran	ND	240	ug/Kg	1	05/16/20	KCA	SW8270D
Diethyl phthalate	ND	240	ug/Kg	1	05/16/20	KCA	SW8270D
Dimethylphthalate	ND	240	ug/Kg	1	05/16/20	KCA	SW8270D
Di-n-butylphthalate	ND	340	ug/Kg	1	05/16/20	KCA	SW8270D
Di-n-octylphthalate	ND	240	ug/Kg	1	05/16/20	KCA	SW8270D
Fluoranthene	ND	240	ug/Kg	1	05/16/20	KCA	SW8270D
Fluorene	ND	240	ug/Kg	1	05/16/20	KCA	SW8270D
Hexachlorobenzene	ND	240	ug/Kg	1	05/16/20	KCA	SW8270D
Hexachlorobutadiene	ND	240	ug/Kg	1	05/16/20	KCA	SW8270D
Hexachlorocyclopentadiene	ND	240	ug/Kg	1	05/16/20	KCA	SW8270D
Hexachloroethane	ND	240	ug/Kg	1	05/16/20	KCA	SW8270D
Indeno(1,2,3-cd)pyrene	ND	240	ug/Kg	1	05/16/20	KCA	SW8270D
Isophorone	ND	11000	ug/Kg	1	05/16/20	KCA	SW8270D
Naphthalene	ND	240	ug/Kg	1	05/16/20	KCA	SW8270D
Nitrobenzene	ND	240	ug/Kg	1	05/16/20	KCA	SW8270D
N-Nitrosodimethylamine	ND	340	ug/Kg	1	05/16/20	KCA	SW8270D
N-Nitrosodi-n-propylamine	ND	240	ug/Kg	1	05/16/20	KCA	SW8270D
N-Nitrosodiphenylamine	ND	340	ug/Kg	1	05/16/20	KCA	SW8270D
Pentachloronitrobenzene	ND	340	ug/Kg	1	05/16/20	KCA	SW8270D
Pentachlorophenol	ND	340	ug/Kg	1	05/16/20	KCA	SW8270D

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Phenanthrene	ND	240	ug/Kg	1	05/16/20	KCA	SW8270D
Phenol	ND	240	ug/Kg	1	05/16/20	KCA	SW8270D
Pyrene	ND	240	ug/Kg	1	05/16/20	KCA	SW8270D
Pyridine	ND	340	ug/Kg	1	05/16/20	KCA	SW8270D
<u>QA/QC Surrogates</u>							
% 2,4,6-Tribromophenol	35		%	1	05/16/20	KCA	30 - 130 %
% 2-Fluorobiphenyl	75		%	1	05/16/20	KCA	30 - 130 %
% 2-Fluorophenol	25		%	1	05/16/20	KCA	30 - 130 %
% Nitrobenzene-d5	76		%	1	05/16/20	KCA	30 - 130 %
% Phenol-d5	68		%	1	05/16/20	KCA	30 - 130 %
% Terphenyl-d14	98		%	1	05/16/20	KCA	30 - 130 %
Field Extraction	Completed				05/14/20		SW5035A

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

3 = This parameter exceeds laboratory specified limits.

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

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:

Per 1.4.6 of EPA method 8270D, 1,2-Diphenylhydrazine is unstable and readily converts to Azobenzene. Azobenzene is used for the calibration of 1,2-Diphenylhydrazine.

Please be advised that the NY 375 soil criteria for chromium are based on hexavalent chromium and trivalent chromium.

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample 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

May 20, 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

May 20, 2020

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

Sample Information

Matrix: SOIL
Location Code: WALDENE-IPARK
Rush Request: 48 Hour
P.O.#: I PARK 0118.41

Custody Information

Collected by: KW
Received by: LB
Analyzed by: see "By" below

Date

05/14/20
05/15/20

Time

12:30
16:16

Laboratory Data

SDG ID: GCF96460
Phoenix ID: CF96461

Project ID: I PARK 0118.41
Client ID: SS-2 (1-2')

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Aluminum	12900	51	mg/Kg	10	05/16/20	EK	SW6010D
Antimony	< 3.4	3.4	mg/Kg	1	05/16/20	EK	SW6010D
Arsenic	4.59	0.67	mg/Kg	1	05/16/20	EK	SW6010D
Barium	39.8	0.34	mg/Kg	1	05/16/20	EK	SW6010D
Beryllium	< 0.27	0.27	mg/Kg	1	05/16/20	EK	SW6010D
Calcium	17500	51	mg/Kg	10	05/16/20	EK	SW6010D
Cadmium	1.91	0.34	mg/Kg	1	05/16/20	EK	SW6010D
Chromium	14.7	0.34	mg/Kg	1	05/16/20	EK	SW6010D
Cobalt	10.7	0.34	mg/Kg	1	05/16/20	EK	SW6010D
Copper	34.2	0.7	mg/kg	1	05/16/20	EK	SW6010D
Iron	28800	51	mg/Kg	10	05/16/20	EK	SW6010D
Lead	15.8	0.34	mg/Kg	1	05/16/20	EK	SW6010D
Magnesium	12800	51	mg/Kg	10	05/16/20	EK	SW6010D
Manganese	1050	3.4	mg/Kg	10	05/16/20	EK	SW6010D
Mercury	< 0.03	0.03	mg/Kg	2	05/18/20	RS	SW7471B
Nickel	23.7	0.34	mg/Kg	1	05/16/20	EK	SW6010D
Potassium	1330	5.1	mg/Kg	1	05/16/20	EK	SW6010D
Selenium	< 1.3	1.3	mg/Kg	1	05/16/20	EK	SW6010D
Silver	< 0.34	0.34	mg/Kg	1	05/16/20	EK	SW6010D
Sodium	118	5.1	mg/Kg	1	05/16/20	EK	SW6010D
Thallium	< 3.0	3.0	mg/Kg	1	05/16/20	EK	SW6010D
Vanadium	14.3	0.34	mg/Kg	1	05/16/20	EK	SW6010D
Zinc	66.9	0.7	mg/Kg	1	05/16/20	EK	SW6010D
Percent Solid	95		%		05/15/20	HB	SW846-%Solid
Soil Extraction for SVOA	Completed				05/15/20	RR/EE	SW3545A
Mercury Digestion	Completed				05/18/20	A/VT/RA/	SW7471B
Total Metals Digest	Completed				05/15/20	S/AG	SW3050B

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
<u>Volatiles</u>							
1,1,1,2-Tetrachloroethane	ND	3.4	ug/Kg	1	05/16/20	JLI	SW8260C
1,1,1-Trichloroethane	ND	3.4	ug/Kg	1	05/16/20	JLI	SW8260C
1,1,2,2-Tetrachloroethane	ND	3.4	ug/Kg	1	05/16/20	JLI	SW8260C
1,1,2-Trichloroethane	ND	3.4	ug/Kg	1	05/16/20	JLI	SW8260C
1,1-Dichloroethane	ND	3.4	ug/Kg	1	05/16/20	JLI	SW8260C
1,1-Dichloroethene	ND	3.4	ug/Kg	1	05/16/20	JLI	SW8260C
1,1-Dichloropropene	ND	3.4	ug/Kg	1	05/16/20	JLI	SW8260C
1,2,3-Trichlorobenzene	ND	3.4	ug/Kg	1	05/16/20	JLI	SW8260C
1,2,3-Trichloropropane	ND	3.4	ug/Kg	1	05/16/20	JLI	SW8260C
1,2,4-Trichlorobenzene	ND	3.4	ug/Kg	1	05/16/20	JLI	SW8260C
1,2,4-Trimethylbenzene	ND	3.4	ug/Kg	1	05/16/20	JLI	SW8260C
1,2-Dibromo-3-chloropropane	ND	3.4	ug/Kg	1	05/16/20	JLI	SW8260C
1,2-Dibromoethane	ND	3.4	ug/Kg	1	05/16/20	JLI	SW8260C
1,2-Dichlorobenzene	ND	3.4	ug/Kg	1	05/16/20	JLI	SW8260C
1,2-Dichloroethane	ND	3.4	ug/Kg	1	05/16/20	JLI	SW8260C
1,2-Dichloropropane	ND	3.4	ug/Kg	1	05/16/20	JLI	SW8260C
1,3,5-Trimethylbenzene	ND	3.4	ug/Kg	1	05/16/20	JLI	SW8260C
1,3-Dichlorobenzene	ND	3.4	ug/Kg	1	05/16/20	JLI	SW8260C
1,3-Dichloropropane	ND	3.4	ug/Kg	1	05/16/20	JLI	SW8260C
1,4-Dichlorobenzene	ND	3.4	ug/Kg	1	05/16/20	JLI	SW8260C
2,2-Dichloropropane	ND	3.4	ug/Kg	1	05/16/20	JLI	SW8260C
2-Chlorotoluene	ND	3.4	ug/Kg	1	05/16/20	JLI	SW8260C
2-Hexanone	ND	17	ug/Kg	1	05/16/20	JLI	SW8260C
2-Isopropyltoluene	ND	3.4	ug/Kg	1	05/16/20	JLI	SW8260C
4-Chlorotoluene	ND	3.4	ug/Kg	1	05/16/20	JLI	SW8260C
4-Methyl-2-pentanone	ND	17	ug/Kg	1	05/16/20	JLI	SW8260C
Acetone	ND	17	ug/Kg	1	05/16/20	JLI	SW8260C
Acrylonitrile	ND	6.7	ug/Kg	1	05/16/20	JLI	SW8260C
Benzene	ND	3.4	ug/Kg	1	05/16/20	JLI	SW8260C
Bromobenzene	ND	3.4	ug/Kg	1	05/16/20	JLI	SW8260C
Bromochloromethane	ND	3.4	ug/Kg	1	05/16/20	JLI	SW8260C
Bromodichloromethane	ND	3.4	ug/Kg	1	05/16/20	JLI	SW8260C
Bromoform	ND	3.4	ug/Kg	1	05/16/20	JLI	SW8260C
Bromomethane	ND	3.4	ug/Kg	1	05/16/20	JLI	SW8260C
Carbon Disulfide	ND	3.4	ug/Kg	1	05/16/20	JLI	SW8260C
Carbon tetrachloride	ND	3.4	ug/Kg	1	05/16/20	JLI	SW8260C
Chlorobenzene	ND	3.4	ug/Kg	1	05/16/20	JLI	SW8260C
Chloroethane	ND	3.4	ug/Kg	1	05/16/20	JLI	SW8260C
Chloroform	ND	3.4	ug/Kg	1	05/16/20	JLI	SW8260C
Chloromethane	ND	3.4	ug/Kg	1	05/16/20	JLI	SW8260C
cis-1,2-Dichloroethene	ND	3.4	ug/Kg	1	05/16/20	JLI	SW8260C
cis-1,3-Dichloropropene	ND	3.4	ug/Kg	1	05/16/20	JLI	SW8260C
Dibromochloromethane	ND	3.4	ug/Kg	1	05/16/20	JLI	SW8260C
Dibromomethane	ND	3.4	ug/Kg	1	05/16/20	JLI	SW8260C
Dichlorodifluoromethane	ND	3.4	ug/Kg	1	05/16/20	JLI	SW8260C
Ethylbenzene	ND	3.4	ug/Kg	1	05/16/20	JLI	SW8260C
Hexachlorobutadiene	ND	3.4	ug/Kg	1	05/16/20	JLI	SW8260C
Isopropylbenzene	ND	3.4	ug/Kg	1	05/16/20	JLI	SW8260C

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
m&p-Xylene	ND	3.4	ug/Kg	1	05/16/20	JLI	SW8260C
Methyl Ethyl Ketone	ND	17	ug/Kg	1	05/16/20	JLI	SW8260C
Methyl t-butyl ether (MTBE)	ND	6.7	ug/Kg	1	05/16/20	JLI	SW8260C
Methylene chloride	ND	6.7	ug/Kg	1	05/16/20	JLI	SW8260C
Naphthalene	ND	3.4	ug/Kg	1	05/16/20	JLI	SW8260C
n-Butylbenzene	ND	3.4	ug/Kg	1	05/16/20	JLI	SW8260C
n-Propylbenzene	ND	3.4	ug/Kg	1	05/16/20	JLI	SW8260C
o-Xylene	ND	3.4	ug/Kg	1	05/16/20	JLI	SW8260C
p-Isopropyltoluene	ND	3.4	ug/Kg	1	05/16/20	JLI	SW8260C
sec-Butylbenzene	ND	3.4	ug/Kg	1	05/16/20	JLI	SW8260C
Styrene	ND	3.4	ug/Kg	1	05/16/20	JLI	SW8260C
tert-Butylbenzene	ND	3.4	ug/Kg	1	05/16/20	JLI	SW8260C
Tetrachloroethene	ND	3.4	ug/Kg	1	05/16/20	JLI	SW8260C
Tetrahydrofuran (THF)	ND	6.7	ug/Kg	1	05/16/20	JLI	SW8260C
Toluene	ND	3.4	ug/Kg	1	05/16/20	JLI	SW8260C
Total Xylenes	ND	3.4	ug/Kg	1	05/16/20	JLI	SW8260C
trans-1,2-Dichloroethene	ND	3.4	ug/Kg	1	05/16/20	JLI	SW8260C
trans-1,3-Dichloropropene	ND	3.4	ug/Kg	1	05/16/20	JLI	SW8260C
trans-1,4-dichloro-2-butene	ND	6.7	ug/Kg	1	05/16/20	JLI	SW8260C
Trichloroethene	ND	3.4	ug/Kg	1	05/16/20	JLI	SW8260C
Trichlorofluoromethane	ND	3.4	ug/Kg	1	05/16/20	JLI	SW8260C
Trichlorotrifluoroethane	ND	3.4	ug/Kg	1	05/16/20	JLI	SW8260C
Vinyl chloride	ND	3.4	ug/Kg	1	05/16/20	JLI	SW8260C
<u>QA/QC Surrogates</u>							
% 1,2-dichlorobenzene-d4	99		%	1	05/16/20	JLI	70 - 130 %
% Bromofluorobenzene	87		%	1	05/16/20	JLI	70 - 130 %
% Dibromofluoromethane	91		%	1	05/16/20	JLI	70 - 130 %
% Toluene-d8	96		%	1	05/16/20	JLI	70 - 130 %
<u>Semivolatiles</u>							
1,2,4,5-Tetrachlorobenzene	ND	240	ug/Kg	1	05/16/20	KCA	SW8270D
1,2,4-Trichlorobenzene	ND	240	ug/Kg	1	05/16/20	KCA	SW8270D
1,2-Dichlorobenzene	ND	240	ug/Kg	1	05/16/20	KCA	SW8270D
1,2-Diphenylhydrazine	ND	350	ug/Kg	1	05/16/20	KCA	SW8270D
1,3-Dichlorobenzene	ND	240	ug/Kg	1	05/16/20	KCA	SW8270D
1,4-Dichlorobenzene	ND	240	ug/Kg	1	05/16/20	KCA	SW8270D
2,4,5-Trichlorophenol	ND	240	ug/Kg	1	05/16/20	KCA	SW8270D
2,4,6-Trichlorophenol	ND	240	ug/Kg	1	05/16/20	KCA	SW8270D
2,4-Dichlorophenol	ND	240	ug/Kg	1	05/16/20	KCA	SW8270D
2,4-Dimethylphenol	ND	240	ug/Kg	1	05/16/20	KCA	SW8270D
2,4-Dinitrophenol	ND	350	ug/Kg	1	05/16/20	KCA	SW8270D
2,4-Dinitrotoluene	ND	240	ug/Kg	1	05/16/20	KCA	SW8270D
2,6-Dinitrotoluene	ND	240	ug/Kg	1	05/16/20	KCA	SW8270D
2-Chloronaphthalene	ND	240	ug/Kg	1	05/16/20	KCA	SW8270D
2-Chlorophenol	ND	240	ug/Kg	1	05/16/20	KCA	SW8270D
2-Methylnaphthalene	ND	240	ug/Kg	1	05/16/20	KCA	SW8270D
2-Methylphenol (o-cresol)	ND	240	ug/Kg	1	05/16/20	KCA	SW8270D
2-Nitroaniline	ND	350	ug/Kg	1	05/16/20	KCA	SW8270D
2-Nitrophenol	ND	240	ug/Kg	1	05/16/20	KCA	SW8270D
3&4-Methylphenol (m&p-cresol)	ND	350	ug/Kg	1	05/16/20	KCA	SW8270D

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
3,3'-Dichlorobenzidine	ND	240	ug/Kg	1	05/16/20	KCA	SW8270D
3-Nitroaniline	ND	350	ug/Kg	1	05/16/20	KCA	SW8270D
4,6-Dinitro-2-methylphenol	ND	350	ug/Kg	1	05/16/20	KCA	SW8270D
4-Bromophenyl phenyl ether	ND	350	ug/Kg	1	05/16/20	KCA	SW8270D
4-Chloro-3-methylphenol	ND	240	ug/Kg	1	05/16/20	KCA	SW8270D
4-Chloroaniline	ND	240	ug/Kg	1	05/16/20	KCA	SW8270D
4-Chlorophenyl phenyl ether	ND	240	ug/Kg	1	05/16/20	KCA	SW8270D
4-Nitroaniline	ND	560	ug/Kg	1	05/16/20	KCA	SW8270D
4-Nitrophenol	ND	240	ug/Kg	1	05/16/20	KCA	SW8270D
Acenaphthene	ND	240	ug/Kg	1	05/16/20	KCA	SW8270D
Acenaphthylene	ND	240	ug/Kg	1	05/16/20	KCA	SW8270D
Acetophenone	ND	240	ug/Kg	1	05/16/20	KCA	SW8270D
Aniline	ND	350	ug/Kg	1	05/16/20	KCA	SW8270D
Anthracene	ND	240	ug/Kg	1	05/16/20	KCA	SW8270D
Benz(a)anthracene	ND	240	ug/Kg	1	05/16/20	KCA	SW8270D
Benzidine	ND	240	ug/Kg	1	05/16/20	KCA	SW8270D
Benzo(a)pyrene	ND	240	ug/Kg	1	05/16/20	KCA	SW8270D
Benzo(b)fluoranthene	ND	240	ug/Kg	1	05/16/20	KCA	SW8270D
Benzo(ghi)perylene	ND	240	ug/Kg	1	05/16/20	KCA	SW8270D
Benzo(k)fluoranthene	ND	240	ug/Kg	1	05/16/20	KCA	SW8270D
Benzoic acid	ND	700	ug/Kg	1	05/16/20	KCA	SW8270D
Benzyl butyl phthalate	ND	240	ug/Kg	1	05/16/20	KCA	SW8270D
Bis(2-chloroethoxy)methane	ND	240	ug/Kg	1	05/16/20	KCA	SW8270D
Bis(2-chloroethyl)ether	ND	350	ug/Kg	1	05/16/20	KCA	SW8270D
Bis(2-chloroisopropyl)ether	ND	240	ug/Kg	1	05/16/20	KCA	SW8270D
Bis(2-ethylhexyl)phthalate	ND	240	ug/Kg	1	05/16/20	KCA	SW8270D
Carbazole	ND	350	ug/Kg	1	05/16/20	KCA	SW8270D
Chrysene	ND	240	ug/Kg	1	05/16/20	KCA	SW8270D
Dibenz(a,h)anthracene	ND	240	ug/Kg	1	05/16/20	KCA	SW8270D
Dibenzofuran	ND	240	ug/Kg	1	05/16/20	KCA	SW8270D
Diethyl phthalate	ND	240	ug/Kg	1	05/16/20	KCA	SW8270D
Dimethylphthalate	ND	240	ug/Kg	1	05/16/20	KCA	SW8270D
Di-n-butylphthalate	ND	350	ug/Kg	1	05/16/20	KCA	SW8270D
Di-n-octylphthalate	ND	240	ug/Kg	1	05/16/20	KCA	SW8270D
Fluoranthene	ND	240	ug/Kg	1	05/16/20	KCA	SW8270D
Fluorene	ND	240	ug/Kg	1	05/16/20	KCA	SW8270D
Hexachlorobenzene	ND	240	ug/Kg	1	05/16/20	KCA	SW8270D
Hexachlorobutadiene	ND	240	ug/Kg	1	05/16/20	KCA	SW8270D
Hexachlorocyclopentadiene	ND	240	ug/Kg	1	05/16/20	KCA	SW8270D
Hexachloroethane	ND	240	ug/Kg	1	05/16/20	KCA	SW8270D
Indeno(1,2,3-cd)pyrene	ND	240	ug/Kg	1	05/16/20	KCA	SW8270D
Isophorone	ND	1000	ug/Kg	1	05/16/20	KCA	SW8270D
Naphthalene	ND	240	ug/Kg	1	05/16/20	KCA	SW8270D
Nitrobenzene	ND	240	ug/Kg	1	05/16/20	KCA	SW8270D
N-Nitrosodimethylamine	ND	350	ug/Kg	1	05/16/20	KCA	SW8270D
N-Nitrosodi-n-propylamine	ND	240	ug/Kg	1	05/16/20	KCA	SW8270D
N-Nitrosodiphenylamine	ND	350	ug/Kg	1	05/16/20	KCA	SW8270D
Pentachloronitrobenzene	ND	350	ug/Kg	1	05/16/20	KCA	SW8270D
Pentachlorophenol	ND	350	ug/Kg	1	05/16/20	KCA	SW8270D

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Phenanthrene	ND	240	ug/Kg	1	05/16/20	KCA	SW8270D
Phenol	ND	240	ug/Kg	1	05/16/20	KCA	SW8270D
Pyrene	ND	240	ug/Kg	1	05/16/20	KCA	SW8270D
Pyridine	ND	350	ug/Kg	1	05/16/20	KCA	SW8270D
<u>QA/QC Surrogates</u>							
% 2,4,6-Tribromophenol	56		%	1	05/16/20	KCA	30 - 130 %
% 2-Fluorobiphenyl	66		%	1	05/16/20	KCA	30 - 130 %
% 2-Fluorophenol	69		%	1	05/16/20	KCA	30 - 130 %
% Nitrobenzene-d5	69		%	1	05/16/20	KCA	30 - 130 %
% Phenol-d5	75		%	1	05/16/20	KCA	30 - 130 %
% Terphenyl-d14	83		%	1	05/16/20	KCA	30 - 130 %
Field Extraction	Completed				05/14/20		SW5035A

1

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

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

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:

Per 1.4.6 of EPA method 8270D, 1,2-Diphenylhydrazine is unstable and readily converts to Azobenzene. Azobenzene is used for the calibration of 1,2-Diphenylhydrazine.

Please be advised that the NY 375 soil criteria for chromium are based on hexavalent chromium and trivalent chromium.

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample 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

May 20, 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

May 20, 2020

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

Sample Information

Matrix: SOIL
Location Code: WALDENE-IPARK
Rush Request: 48 Hour
P.O.#: I PARK 0118.41

Custody Information

Collected by: KW
Received by: LB
Analyzed by: see "By" below

Date

05/14/20
05/15/20

Time

14:50
16:16

Laboratory Data

SDG ID: GCF96460
Phoenix ID: CF96462

Project ID: I PARK 0118.41
Client ID: SS-3 (1-2')

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Aluminum	13700	52	mg/Kg	10	05/16/20	EK	SW6010D
Antimony	< 3.5	3.5	mg/Kg	1	05/16/20	EK	SW6010D
Arsenic	4.20	0.69	mg/Kg	1	05/16/20	EK	SW6010D
Barium	48.9	0.35	mg/Kg	1	05/16/20	EK	SW6010D
Beryllium	< 0.28	0.28	mg/Kg	1	05/16/20	EK	SW6010D
Calcium	15700	52	mg/Kg	10	05/16/20	EK	SW6010D
Cadmium	1.96	0.35	mg/Kg	1	05/16/20	EK	SW6010D
Chromium	15.1	0.35	mg/Kg	1	05/16/20	EK	SW6010D
Cobalt	11.2	0.35	mg/Kg	1	05/16/20	EK	SW6010D
Copper	38.9	0.7	mg/kg	1	05/16/20	EK	SW6010D
Iron	30300	52	mg/Kg	10	05/16/20	EK	SW6010D
Lead	18.0	0.35	mg/Kg	1	05/16/20	EK	SW6010D
Magnesium	8660	52	mg/Kg	10	05/16/20	EK	SW6010D
Manganese	1180	3.5	mg/Kg	10	05/16/20	EK	SW6010D
Mercury	< 0.03	0.03	mg/Kg	2	05/18/20	RS	SW7471B
Nickel	24.2	0.35	mg/Kg	1	05/16/20	EK	SW6010D
Potassium	1510	5.2	mg/Kg	1	05/16/20	EK	SW6010D
Selenium	< 1.4	1.4	mg/Kg	1	05/16/20	EK	SW6010D
Silver	< 0.35	0.35	mg/Kg	1	05/16/20	EK	SW6010D
Sodium	143	5.2	mg/Kg	1	05/16/20	EK	SW6010D
Thallium	< 3.1	3.1	mg/Kg	1	05/16/20	EK	SW6010D
Vanadium	14.5	0.35	mg/Kg	1	05/16/20	EK	SW6010D
Zinc	69.8	0.7	mg/Kg	1	05/16/20	EK	SW6010D
Percent Solid	96		%		05/15/20	HB	SW846-%Solid
Soil Extraction for SVOA	Completed				05/15/20	RR/EE	SW3545A
Mercury Digestion	Completed				05/18/20	A\VT\RA\	SW7471B
Total Metals Digest	Completed				05/15/20	S\AG	SW3050B

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
<u>Volatiles</u>							
1,1,1,2-Tetrachloroethane	ND	4.7	ug/Kg	1	05/16/20	JLI	SW8260C
1,1,1-Trichloroethane	ND	4.7	ug/Kg	1	05/16/20	JLI	SW8260C
1,1,2,2-Tetrachloroethane	ND	4.7	ug/Kg	1	05/16/20	JLI	SW8260C
1,1,2-Trichloroethane	ND	4.7	ug/Kg	1	05/16/20	JLI	SW8260C
1,1-Dichloroethane	ND	4.7	ug/Kg	1	05/16/20	JLI	SW8260C
1,1-Dichloroethene	ND	4.7	ug/Kg	1	05/16/20	JLI	SW8260C
1,1-Dichloropropene	ND	4.7	ug/Kg	1	05/16/20	JLI	SW8260C
1,2,3-Trichlorobenzene	ND	4.7	ug/Kg	1	05/16/20	JLI	SW8260C
1,2,3-Trichloropropane	ND	4.7	ug/Kg	1	05/16/20	JLI	SW8260C
1,2,4-Trichlorobenzene	ND	4.7	ug/Kg	1	05/16/20	JLI	SW8260C
1,2,4-Trimethylbenzene	ND	4.7	ug/Kg	1	05/16/20	JLI	SW8260C
1,2-Dibromo-3-chloropropane	ND	4.7	ug/Kg	1	05/16/20	JLI	SW8260C
1,2-Dibromoethane	ND	4.7	ug/Kg	1	05/16/20	JLI	SW8260C
1,2-Dichlorobenzene	ND	4.7	ug/Kg	1	05/16/20	JLI	SW8260C
1,2-Dichloroethane	ND	4.7	ug/Kg	1	05/16/20	JLI	SW8260C
1,2-Dichloropropane	ND	4.7	ug/Kg	1	05/16/20	JLI	SW8260C
1,3,5-Trimethylbenzene	ND	4.7	ug/Kg	1	05/16/20	JLI	SW8260C
1,3-Dichlorobenzene	ND	4.7	ug/Kg	1	05/16/20	JLI	SW8260C
1,3-Dichloropropane	ND	4.7	ug/Kg	1	05/16/20	JLI	SW8260C
1,4-Dichlorobenzene	ND	4.7	ug/Kg	1	05/16/20	JLI	SW8260C
2,2-Dichloropropane	ND	4.7	ug/Kg	1	05/16/20	JLI	SW8260C
2-Chlorotoluene	ND	4.7	ug/Kg	1	05/16/20	JLI	SW8260C
2-Hexanone	ND	23	ug/Kg	1	05/16/20	JLI	SW8260C
2-Isopropyltoluene	ND	4.7	ug/Kg	1	05/16/20	JLI	SW8260C
4-Chlorotoluene	ND	4.7	ug/Kg	1	05/16/20	JLI	SW8260C
4-Methyl-2-pentanone	ND	23	ug/Kg	1	05/16/20	JLI	SW8260C
Acetone	ND	23	ug/Kg	1	05/16/20	JLI	SW8260C
Acrylonitrile	ND	9.4	ug/Kg	1	05/16/20	JLI	SW8260C
Benzene	ND	4.7	ug/Kg	1	05/16/20	JLI	SW8260C
Bromobenzene	ND	4.7	ug/Kg	1	05/16/20	JLI	SW8260C
Bromochloromethane	ND	4.7	ug/Kg	1	05/16/20	JLI	SW8260C
Bromodichloromethane	ND	4.7	ug/Kg	1	05/16/20	JLI	SW8260C
Bromoform	ND	4.7	ug/Kg	1	05/16/20	JLI	SW8260C
Bromomethane	ND	4.7	ug/Kg	1	05/16/20	JLI	SW8260C
Carbon Disulfide	ND	4.7	ug/Kg	1	05/16/20	JLI	SW8260C
Carbon tetrachloride	ND	4.7	ug/Kg	1	05/16/20	JLI	SW8260C
Chlorobenzene	ND	4.7	ug/Kg	1	05/16/20	JLI	SW8260C
Chloroethane	ND	4.7	ug/Kg	1	05/16/20	JLI	SW8260C
Chloroform	ND	4.7	ug/Kg	1	05/16/20	JLI	SW8260C
Chloromethane	ND	4.7	ug/Kg	1	05/16/20	JLI	SW8260C
cis-1,2-Dichloroethene	ND	4.7	ug/Kg	1	05/16/20	JLI	SW8260C
cis-1,3-Dichloropropene	ND	4.7	ug/Kg	1	05/16/20	JLI	SW8260C
Dibromochloromethane	ND	4.7	ug/Kg	1	05/16/20	JLI	SW8260C
Dibromomethane	ND	4.7	ug/Kg	1	05/16/20	JLI	SW8260C
Dichlorodifluoromethane	ND	4.7	ug/Kg	1	05/16/20	JLI	SW8260C
Ethylbenzene	ND	4.7	ug/Kg	1	05/16/20	JLI	SW8260C
Hexachlorobutadiene	ND	4.7	ug/Kg	1	05/16/20	JLI	SW8260C
Isopropylbenzene	ND	4.7	ug/Kg	1	05/16/20	JLI	SW8260C

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
m&p-Xylene	ND	4.7	ug/Kg	1	05/16/20	JLI	SW8260C
Methyl Ethyl Ketone	ND	23	ug/Kg	1	05/16/20	JLI	SW8260C
Methyl t-butyl ether (MTBE)	ND	9.4	ug/Kg	1	05/16/20	JLI	SW8260C
Methylene chloride	ND	9.4	ug/Kg	1	05/16/20	JLI	SW8260C
Naphthalene	ND	4.7	ug/Kg	1	05/16/20	JLI	SW8260C
n-Butylbenzene	ND	4.7	ug/Kg	1	05/16/20	JLI	SW8260C
n-Propylbenzene	ND	4.7	ug/Kg	1	05/16/20	JLI	SW8260C
o-Xylene	ND	4.7	ug/Kg	1	05/16/20	JLI	SW8260C
p-Isopropyltoluene	ND	4.7	ug/Kg	1	05/16/20	JLI	SW8260C
sec-Butylbenzene	ND	4.7	ug/Kg	1	05/16/20	JLI	SW8260C
Styrene	ND	4.7	ug/Kg	1	05/16/20	JLI	SW8260C
tert-Butylbenzene	ND	4.7	ug/Kg	1	05/16/20	JLI	SW8260C
Tetrachloroethene	ND	4.7	ug/Kg	1	05/16/20	JLI	SW8260C
Tetrahydrofuran (THF)	ND	9.4	ug/Kg	1	05/16/20	JLI	SW8260C
Toluene	ND	4.7	ug/Kg	1	05/16/20	JLI	SW8260C
Total Xylenes	ND	4.7	ug/Kg	1	05/16/20	JLI	SW8260C
trans-1,2-Dichloroethene	ND	4.7	ug/Kg	1	05/16/20	JLI	SW8260C
trans-1,3-Dichloropropene	ND	4.7	ug/Kg	1	05/16/20	JLI	SW8260C
trans-1,4-dichloro-2-butene	ND	9.4	ug/Kg	1	05/16/20	JLI	SW8260C
Trichloroethene	ND	4.7	ug/Kg	1	05/16/20	JLI	SW8260C
Trichlorofluoromethane	ND	4.7	ug/Kg	1	05/16/20	JLI	SW8260C
Trichlorotrifluoroethane	ND	4.7	ug/Kg	1	05/16/20	JLI	SW8260C
Vinyl chloride	ND	4.7	ug/Kg	1	05/16/20	JLI	SW8260C
<u>QA/QC Surrogates</u>							
% 1,2-dichlorobenzene-d4	100		%	1	05/16/20	JLI	70 - 130 %
% Bromofluorobenzene	88		%	1	05/16/20	JLI	70 - 130 %
% Dibromofluoromethane	75		%	1	05/16/20	JLI	70 - 130 %
% Toluene-d8	95		%	1	05/16/20	JLI	70 - 130 %
<u>Semivolatiles</u>							
1,2,4,5-Tetrachlorobenzene	ND	240	ug/Kg	1	05/16/20	KCA	SW8270D
1,2,4-Trichlorobenzene	ND	240	ug/Kg	1	05/16/20	KCA	SW8270D
1,2-Dichlorobenzene	ND	240	ug/Kg	1	05/16/20	KCA	SW8270D
1,2-Diphenylhydrazine	ND	340	ug/Kg	1	05/16/20	KCA	SW8270D
1,3-Dichlorobenzene	ND	240	ug/Kg	1	05/16/20	KCA	SW8270D
1,4-Dichlorobenzene	ND	240	ug/Kg	1	05/16/20	KCA	SW8270D
2,4,5-Trichlorophenol	ND	240	ug/Kg	1	05/16/20	KCA	SW8270D
2,4,6-Trichlorophenol	ND	240	ug/Kg	1	05/16/20	KCA	SW8270D
2,4-Dichlorophenol	ND	240	ug/Kg	1	05/16/20	KCA	SW8270D
2,4-Dimethylphenol	ND	240	ug/Kg	1	05/16/20	KCA	SW8270D
2,4-Dinitrophenol	ND	340	ug/Kg	1	05/16/20	KCA	SW8270D
2,4-Dinitrotoluene	ND	240	ug/Kg	1	05/16/20	KCA	SW8270D
2,6-Dinitrotoluene	ND	240	ug/Kg	1	05/16/20	KCA	SW8270D
2-Chloronaphthalene	ND	240	ug/Kg	1	05/16/20	KCA	SW8270D
2-Chlorophenol	ND	240	ug/Kg	1	05/16/20	KCA	SW8270D
2-Methylnaphthalene	ND	240	ug/Kg	1	05/16/20	KCA	SW8270D
2-Methylphenol (o-cresol)	ND	240	ug/Kg	1	05/16/20	KCA	SW8270D
2-Nitroaniline	ND	340	ug/Kg	1	05/16/20	KCA	SW8270D
2-Nitrophenol	ND	240	ug/Kg	1	05/16/20	KCA	SW8270D
3&4-Methylphenol (m&p-cresol)	ND	340	ug/Kg	1	05/16/20	KCA	SW8270D

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
3,3'-Dichlorobenzidine	ND	240	ug/Kg	1	05/16/20	KCA	SW8270D
3-Nitroaniline	ND	340	ug/Kg	1	05/16/20	KCA	SW8270D
4,6-Dinitro-2-methylphenol	ND	340	ug/Kg	1	05/16/20	KCA	SW8270D
4-Bromophenyl phenyl ether	ND	340	ug/Kg	1	05/16/20	KCA	SW8270D
4-Chloro-3-methylphenol	ND	240	ug/Kg	1	05/16/20	KCA	SW8270D
4-Chloroaniline	ND	240	ug/Kg	1	05/16/20	KCA	SW8270D
4-Chlorophenyl phenyl ether	ND	240	ug/Kg	1	05/16/20	KCA	SW8270D
4-Nitroaniline	ND	550	ug/Kg	1	05/16/20	KCA	SW8270D
4-Nitrophenol	ND	240	ug/Kg	1	05/16/20	KCA	SW8270D
Acenaphthene	ND	240	ug/Kg	1	05/16/20	KCA	SW8270D
Acenaphthylene	ND	240	ug/Kg	1	05/16/20	KCA	SW8270D
Acetophenone	ND	240	ug/Kg	1	05/16/20	KCA	SW8270D
Aniline	ND	340	ug/Kg	1	05/16/20	KCA	SW8270D
Anthracene	ND	240	ug/Kg	1	05/16/20	KCA	SW8270D
Benz(a)anthracene	ND	240	ug/Kg	1	05/16/20	KCA	SW8270D
Benzidine	ND	240	ug/Kg	1	05/16/20	KCA	SW8270D
Benzo(a)pyrene	ND	240	ug/Kg	1	05/16/20	KCA	SW8270D
Benzo(b)fluoranthene	ND	240	ug/Kg	1	05/16/20	KCA	SW8270D
Benzo(ghi)perylene	ND	240	ug/Kg	1	05/16/20	KCA	SW8270D
Benzo(k)fluoranthene	ND	240	ug/Kg	1	05/16/20	KCA	SW8270D
Benzoic acid	ND	680	ug/Kg	1	05/16/20	KCA	SW8270D
Benzyl butyl phthalate	ND	240	ug/Kg	1	05/16/20	KCA	SW8270D
Bis(2-chloroethoxy)methane	ND	240	ug/Kg	1	05/16/20	KCA	SW8270D
Bis(2-chloroethyl)ether	ND	340	ug/Kg	1	05/16/20	KCA	SW8270D
Bis(2-chloroisopropyl)ether	ND	240	ug/Kg	1	05/16/20	KCA	SW8270D
Bis(2-ethylhexyl)phthalate	ND	240	ug/Kg	1	05/16/20	KCA	SW8270D
Carbazole	ND	340	ug/Kg	1	05/16/20	KCA	SW8270D
Chrysene	ND	240	ug/Kg	1	05/16/20	KCA	SW8270D
Dibenz(a,h)anthracene	ND	240	ug/Kg	1	05/16/20	KCA	SW8270D
Dibenzofuran	ND	240	ug/Kg	1	05/16/20	KCA	SW8270D
Diethyl phthalate	ND	240	ug/Kg	1	05/16/20	KCA	SW8270D
Dimethylphthalate	ND	240	ug/Kg	1	05/16/20	KCA	SW8270D
Di-n-butylphthalate	ND	340	ug/Kg	1	05/16/20	KCA	SW8270D
Di-n-octylphthalate	ND	240	ug/Kg	1	05/16/20	KCA	SW8270D
Fluoranthene	ND	240	ug/Kg	1	05/16/20	KCA	SW8270D
Fluorene	ND	240	ug/Kg	1	05/16/20	KCA	SW8270D
Hexachlorobenzene	ND	240	ug/Kg	1	05/16/20	KCA	SW8270D
Hexachlorobutadiene	ND	240	ug/Kg	1	05/16/20	KCA	SW8270D
Hexachlorocyclopentadiene	ND	240	ug/Kg	1	05/16/20	KCA	SW8270D
Hexachloroethane	ND	240	ug/Kg	1	05/16/20	KCA	SW8270D
Indeno(1,2,3-cd)pyrene	ND	240	ug/Kg	1	05/16/20	KCA	SW8270D
Isophorone	ND	3700	ug/Kg	1	05/16/20	KCA	SW8270D
Naphthalene	ND	240	ug/Kg	1	05/16/20	KCA	SW8270D
Nitrobenzene	ND	240	ug/Kg	1	05/16/20	KCA	SW8270D
N-Nitrosodimethylamine	ND	340	ug/Kg	1	05/16/20	KCA	SW8270D
N-Nitrosodi-n-propylamine	ND	240	ug/Kg	1	05/16/20	KCA	SW8270D
N-Nitrosodiphenylamine	ND	340	ug/Kg	1	05/16/20	KCA	SW8270D
Pentachloronitrobenzene	ND	340	ug/Kg	1	05/16/20	KCA	SW8270D
Pentachlorophenol	ND	340	ug/Kg	1	05/16/20	KCA	SW8270D

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Phenanthrene	ND	240	ug/Kg	1	05/16/20	KCA	SW8270D
Phenol	ND	240	ug/Kg	1	05/16/20	KCA	SW8270D
Pyrene	ND	240	ug/Kg	1	05/16/20	KCA	SW8270D
Pyridine	ND	340	ug/Kg	1	05/16/20	KCA	SW8270D
<u>QA/QC Surrogates</u>							
% 2,4,6-Tribromophenol	46		%	1	05/16/20	KCA	30 - 130 %
% 2-Fluorobiphenyl	68		%	1	05/16/20	KCA	30 - 130 %
% 2-Fluorophenol	51		%	1	05/16/20	KCA	30 - 130 %
% Nitrobenzene-d5	75		%	1	05/16/20	KCA	30 - 130 %
% Phenol-d5	78		%	1	05/16/20	KCA	30 - 130 %
% Terphenyl-d14	97		%	1	05/16/20	KCA	30 - 130 %
Field Extraction	Completed				05/14/20		SW5035A

1

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

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

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:

Per 1.4.6 of EPA method 8270D, 1,2-Diphenylhydrazine is unstable and readily converts to Azobenzene. Azobenzene is used for the calibration of 1,2-Diphenylhydrazine.

Please be advised that the NY 375 soil criteria for chromium are based on hexavalent chromium and trivalent chromium.

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample 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

May 20, 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

May 20, 2020

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

Sample Information

Matrix: SOIL
Location Code: WALDENE-IPARK
Rush Request: 48 Hour
P.O.#: I PARK 0118.41

Custody Information

Collected by: KW
Received by: LB
Analyzed by: see "By" below

Date

05/14/20
05/15/20

Time

9:50
16:16

Laboratory Data

SDG ID: GCF96460
Phoenix ID: CF96463

Project ID: I PARK 0118.41
Client ID: SS-4 (1-2')

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Aluminum	11000	51	mg/Kg	10	05/16/20	EK	SW6010D
Antimony	< 3.4	3.4	mg/Kg	1	05/16/20	EK	SW6010D
Arsenic	4.05	0.68	mg/Kg	1	05/16/20	EK	SW6010D
Barium	72.4	0.34	mg/Kg	1	05/16/20	EK	SW6010D
Beryllium	< 0.27	0.27	mg/Kg	1	05/16/20	EK	SW6010D
Calcium	61500	51	mg/Kg	10	05/16/20	EK	SW6010D
Cadmium	1.63	0.34	mg/Kg	1	05/16/20	EK	SW6010D
Chromium	19.6	0.34	mg/Kg	1	05/16/20	EK	SW6010D
Cobalt	9.50	0.34	mg/Kg	1	05/16/20	EK	SW6010D
Copper	29.4	0.7	mg/kg	1	05/16/20	EK	SW6010D
Iron	24000	51	mg/Kg	10	05/16/20	EK	SW6010D
Lead	35.2	0.34	mg/Kg	1	05/16/20	EK	SW6010D
Magnesium	17900	51	mg/Kg	10	05/16/20	EK	SW6010D
Manganese	645	3.4	mg/Kg	10	05/16/20	EK	SW6010D
Mercury	< 0.03	0.03	mg/Kg	2	05/18/20	RS	SW7471B
Nickel	20.0	0.34	mg/Kg	1	05/16/20	EK	SW6010D
Potassium	2460	5.1	mg/Kg	1	05/16/20	EK	SW6010D
Selenium	< 1.4	1.4	mg/Kg	1	05/16/20	EK	SW6010D
Silver	< 0.34	0.34	mg/Kg	1	05/16/20	EK	SW6010D
Sodium	343	5.1	mg/Kg	1	05/16/20	EK	SW6010D
Thallium	< 3.0	3.0	mg/Kg	1	05/16/20	EK	SW6010D
Vanadium	17.0	0.34	mg/Kg	1	05/16/20	EK	SW6010D
Zinc	53.4	0.7	mg/Kg	1	05/16/20	EK	SW6010D
Percent Solid	96		%		05/15/20	HB	SW846-%Solid
Soil Extraction for SVOA	Completed				05/15/20	RR/EE	SW3545A
Mercury Digestion	Completed				05/18/20	A\VT\RA\	SW7471B
Total Metals Digest	Completed				05/15/20	S\AG	SW3050B

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
<u>Volatiles</u>							
1,1,1,2-Tetrachloroethane	ND	5.5	ug/Kg	1	05/16/20	JLI	SW8260C
1,1,1-Trichloroethane	ND	5.5	ug/Kg	1	05/16/20	JLI	SW8260C
1,1,2,2-Tetrachloroethane	ND	5.5	ug/Kg	1	05/16/20	JLI	SW8260C
1,1,2-Trichloroethane	ND	5.5	ug/Kg	1	05/16/20	JLI	SW8260C
1,1-Dichloroethane	ND	5.5	ug/Kg	1	05/16/20	JLI	SW8260C
1,1-Dichloroethene	ND	5.5	ug/Kg	1	05/16/20	JLI	SW8260C
1,1-Dichloropropene	ND	5.5	ug/Kg	1	05/16/20	JLI	SW8260C
1,2,3-Trichlorobenzene	ND	5.5	ug/Kg	1	05/16/20	JLI	SW8260C
1,2,3-Trichloropropane	ND	5.5	ug/Kg	1	05/16/20	JLI	SW8260C
1,2,4-Trichlorobenzene	ND	5.5	ug/Kg	1	05/16/20	JLI	SW8260C
1,2,4-Trimethylbenzene	ND	5.5	ug/Kg	1	05/16/20	JLI	SW8260C
1,2-Dibromo-3-chloropropane	ND	5.5	ug/Kg	1	05/16/20	JLI	SW8260C
1,2-Dibromoethane	ND	5.5	ug/Kg	1	05/16/20	JLI	SW8260C
1,2-Dichlorobenzene	ND	5.5	ug/Kg	1	05/16/20	JLI	SW8260C
1,2-Dichloroethane	ND	5.5	ug/Kg	1	05/16/20	JLI	SW8260C
1,2-Dichloropropane	ND	5.5	ug/Kg	1	05/16/20	JLI	SW8260C
1,3,5-Trimethylbenzene	ND	5.5	ug/Kg	1	05/16/20	JLI	SW8260C
1,3-Dichlorobenzene	ND	5.5	ug/Kg	1	05/16/20	JLI	SW8260C
1,3-Dichloropropane	ND	5.5	ug/Kg	1	05/16/20	JLI	SW8260C
1,4-Dichlorobenzene	ND	5.5	ug/Kg	1	05/16/20	JLI	SW8260C
2,2-Dichloropropane	ND	5.5	ug/Kg	1	05/16/20	JLI	SW8260C
2-Chlorotoluene	ND	5.5	ug/Kg	1	05/16/20	JLI	SW8260C
2-Hexanone	ND	28	ug/Kg	1	05/16/20	JLI	SW8260C
2-Isopropyltoluene	ND	5.5	ug/Kg	1	05/16/20	JLI	SW8260C
4-Chlorotoluene	ND	5.5	ug/Kg	1	05/16/20	JLI	SW8260C
4-Methyl-2-pentanone	ND	28	ug/Kg	1	05/16/20	JLI	SW8260C
Acetone	ND	28	ug/Kg	1	05/16/20	JLI	SW8260C
Acrylonitrile	ND	11	ug/Kg	1	05/16/20	JLI	SW8260C
Benzene	ND	5.5	ug/Kg	1	05/16/20	JLI	SW8260C
Bromobenzene	ND	5.5	ug/Kg	1	05/16/20	JLI	SW8260C
Bromochloromethane	ND	5.5	ug/Kg	1	05/16/20	JLI	SW8260C
Bromodichloromethane	ND	5.5	ug/Kg	1	05/16/20	JLI	SW8260C
Bromoform	ND	5.5	ug/Kg	1	05/16/20	JLI	SW8260C
Bromomethane	ND	5.5	ug/Kg	1	05/16/20	JLI	SW8260C
Carbon Disulfide	ND	5.5	ug/Kg	1	05/16/20	JLI	SW8260C
Carbon tetrachloride	ND	5.5	ug/Kg	1	05/16/20	JLI	SW8260C
Chlorobenzene	ND	5.5	ug/Kg	1	05/16/20	JLI	SW8260C
Chloroethane	ND	5.5	ug/Kg	1	05/16/20	JLI	SW8260C
Chloroform	ND	5.5	ug/Kg	1	05/16/20	JLI	SW8260C
Chloromethane	ND	5.5	ug/Kg	1	05/16/20	JLI	SW8260C
cis-1,2-Dichloroethene	ND	5.5	ug/Kg	1	05/16/20	JLI	SW8260C
cis-1,3-Dichloropropene	ND	5.5	ug/Kg	1	05/16/20	JLI	SW8260C
Dibromochloromethane	ND	5.5	ug/Kg	1	05/16/20	JLI	SW8260C
Dibromomethane	ND	5.5	ug/Kg	1	05/16/20	JLI	SW8260C
Dichlorodifluoromethane	ND	5.5	ug/Kg	1	05/16/20	JLI	SW8260C
Ethylbenzene	ND	5.5	ug/Kg	1	05/16/20	JLI	SW8260C
Hexachlorobutadiene	ND	5.5	ug/Kg	1	05/16/20	JLI	SW8260C
Isopropylbenzene	ND	5.5	ug/Kg	1	05/16/20	JLI	SW8260C

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
m&p-Xylene	ND	5.5	ug/Kg	1	05/16/20	JLI	SW8260C
Methyl Ethyl Ketone	ND	28	ug/Kg	1	05/16/20	JLI	SW8260C
Methyl t-butyl ether (MTBE)	ND	11	ug/Kg	1	05/16/20	JLI	SW8260C
Methylene chloride	ND	11	ug/Kg	1	05/16/20	JLI	SW8260C
Naphthalene	ND	5.5	ug/Kg	1	05/16/20	JLI	SW8260C
n-Butylbenzene	ND	5.5	ug/Kg	1	05/16/20	JLI	SW8260C
n-Propylbenzene	ND	5.5	ug/Kg	1	05/16/20	JLI	SW8260C
o-Xylene	ND	5.5	ug/Kg	1	05/16/20	JLI	SW8260C
p-Isopropyltoluene	ND	5.5	ug/Kg	1	05/16/20	JLI	SW8260C
sec-Butylbenzene	ND	5.5	ug/Kg	1	05/16/20	JLI	SW8260C
Styrene	ND	5.5	ug/Kg	1	05/16/20	JLI	SW8260C
tert-Butylbenzene	ND	5.5	ug/Kg	1	05/16/20	JLI	SW8260C
Tetrachloroethene	ND	5.5	ug/Kg	1	05/16/20	JLI	SW8260C
Tetrahydrofuran (THF)	ND	11	ug/Kg	1	05/16/20	JLI	SW8260C
Toluene	ND	5.5	ug/Kg	1	05/16/20	JLI	SW8260C
Total Xylenes	ND	5.5	ug/Kg	1	05/16/20	JLI	SW8260C
trans-1,2-Dichloroethene	ND	5.5	ug/Kg	1	05/16/20	JLI	SW8260C
trans-1,3-Dichloropropene	ND	5.5	ug/Kg	1	05/16/20	JLI	SW8260C
trans-1,4-dichloro-2-butene	ND	11	ug/Kg	1	05/16/20	JLI	SW8260C
Trichloroethene	ND	5.5	ug/Kg	1	05/16/20	JLI	SW8260C
Trichlorofluoromethane	ND	5.5	ug/Kg	1	05/16/20	JLI	SW8260C
Trichlorotrifluoroethane	ND	5.5	ug/Kg	1	05/16/20	JLI	SW8260C
Vinyl chloride	ND	5.5	ug/Kg	1	05/16/20	JLI	SW8260C
<u>QA/QC Surrogates</u>							
% 1,2-dichlorobenzene-d4	100		%	1	05/16/20	JLI	70 - 130 %
% Bromofluorobenzene	89		%	1	05/16/20	JLI	70 - 130 %
% Dibromofluoromethane	44		%	1	05/16/20	JLI	70 - 130 %
% Toluene-d8	96		%	1	05/16/20	JLI	70 - 130 %

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Semivolatiles

1,2,4,5-Tetrachlorobenzene	ND	240	ug/Kg	1	05/16/20	KCA	SW8270D
1,2,4-Trichlorobenzene	ND	240	ug/Kg	1	05/16/20	KCA	SW8270D
1,2-Dichlorobenzene	ND	240	ug/Kg	1	05/16/20	KCA	SW8270D
1,2-Diphenylhydrazine	ND	340	ug/Kg	1	05/16/20	KCA	SW8270D
1,3-Dichlorobenzene	ND	240	ug/Kg	1	05/16/20	KCA	SW8270D
1,4-Dichlorobenzene	ND	240	ug/Kg	1	05/16/20	KCA	SW8270D
2,4,5-Trichlorophenol	ND	240	ug/Kg	1	05/16/20	KCA	SW8270D
2,4,6-Trichlorophenol	ND	240	ug/Kg	1	05/16/20	KCA	SW8270D
2,4-Dichlorophenol	ND	240	ug/Kg	1	05/16/20	KCA	SW8270D
2,4-Dimethylphenol	ND	240	ug/Kg	1	05/16/20	KCA	SW8270D
2,4-Dinitrophenol	ND	340	ug/Kg	1	05/16/20	KCA	SW8270D
2,4-Dinitrotoluene	ND	240	ug/Kg	1	05/16/20	KCA	SW8270D
2,6-Dinitrotoluene	ND	240	ug/Kg	1	05/16/20	KCA	SW8270D
2-Chloronaphthalene	ND	240	ug/Kg	1	05/16/20	KCA	SW8270D
2-Chlorophenol	ND	240	ug/Kg	1	05/16/20	KCA	SW8270D
2-Methylnaphthalene	ND	240	ug/Kg	1	05/16/20	KCA	SW8270D
2-Methylphenol (o-cresol)	ND	240	ug/Kg	1	05/16/20	KCA	SW8270D
2-Nitroaniline	ND	340	ug/Kg	1	05/16/20	KCA	SW8270D
2-Nitrophenol	ND	240	ug/Kg	1	05/16/20	KCA	SW8270D
3&4-Methylphenol (m&p-cresol)	ND	340	ug/Kg	1	05/16/20	KCA	SW8270D

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
3,3'-Dichlorobenzidine	ND	240	ug/Kg	1	05/16/20	KCA	SW8270D
3-Nitroaniline	ND	340	ug/Kg	1	05/16/20	KCA	SW8270D
4,6-Dinitro-2-methylphenol	ND	340	ug/Kg	1	05/16/20	KCA	SW8270D
4-Bromophenyl phenyl ether	ND	340	ug/Kg	1	05/16/20	KCA	SW8270D
4-Chloro-3-methylphenol	ND	240	ug/Kg	1	05/16/20	KCA	SW8270D
4-Chloroaniline	ND	240	ug/Kg	1	05/16/20	KCA	SW8270D
4-Chlorophenyl phenyl ether	ND	240	ug/Kg	1	05/16/20	KCA	SW8270D
4-Nitroaniline	ND	550	ug/Kg	1	05/16/20	KCA	SW8270D
4-Nitrophenol	ND	240	ug/Kg	1	05/16/20	KCA	SW8270D
Acenaphthene	ND	240	ug/Kg	1	05/16/20	KCA	SW8270D
Acenaphthylene	ND	240	ug/Kg	1	05/16/20	KCA	SW8270D
Acetophenone	ND	240	ug/Kg	1	05/16/20	KCA	SW8270D
Aniline	ND	340	ug/Kg	1	05/16/20	KCA	SW8270D
Anthracene	ND	240	ug/Kg	1	05/16/20	KCA	SW8270D
Benz(a)anthracene	ND	240	ug/Kg	1	05/16/20	KCA	SW8270D
Benzidine	ND	240	ug/Kg	1	05/16/20	KCA	SW8270D
Benzo(a)pyrene	ND	240	ug/Kg	1	05/16/20	KCA	SW8270D
Benzo(b)fluoranthene	ND	240	ug/Kg	1	05/16/20	KCA	SW8270D
Benzo(ghi)perylene	ND	240	ug/Kg	1	05/16/20	KCA	SW8270D
Benzo(k)fluoranthene	ND	240	ug/Kg	1	05/16/20	KCA	SW8270D
Benzoic acid	ND	690	ug/Kg	1	05/16/20	KCA	SW8270D
Benzyl butyl phthalate	ND	240	ug/Kg	1	05/16/20	KCA	SW8270D
Bis(2-chloroethoxy)methane	ND	240	ug/Kg	1	05/16/20	KCA	SW8270D
Bis(2-chloroethyl)ether	ND	340	ug/Kg	1	05/16/20	KCA	SW8270D
Bis(2-chloroisopropyl)ether	ND	240	ug/Kg	1	05/16/20	KCA	SW8270D
Bis(2-ethylhexyl)phthalate	ND	240	ug/Kg	1	05/16/20	KCA	SW8270D
Carbazole	ND	340	ug/Kg	1	05/16/20	KCA	SW8270D
Chrysene	ND	240	ug/Kg	1	05/16/20	KCA	SW8270D
Dibenz(a,h)anthracene	ND	240	ug/Kg	1	05/16/20	KCA	SW8270D
Dibenzofuran	ND	240	ug/Kg	1	05/16/20	KCA	SW8270D
Diethyl phthalate	ND	240	ug/Kg	1	05/16/20	KCA	SW8270D
Dimethylphthalate	ND	240	ug/Kg	1	05/16/20	KCA	SW8270D
Di-n-butylphthalate	ND	340	ug/Kg	1	05/16/20	KCA	SW8270D
Di-n-octylphthalate	ND	240	ug/Kg	1	05/16/20	KCA	SW8270D
Fluoranthene	ND	240	ug/Kg	1	05/16/20	KCA	SW8270D
Fluorene	ND	240	ug/Kg	1	05/16/20	KCA	SW8270D
Hexachlorobenzene	ND	240	ug/Kg	1	05/16/20	KCA	SW8270D
Hexachlorobutadiene	ND	240	ug/Kg	1	05/16/20	KCA	SW8270D
Hexachlorocyclopentadiene	ND	240	ug/Kg	1	05/16/20	KCA	SW8270D
Hexachloroethane	ND	240	ug/Kg	1	05/16/20	KCA	SW8270D
Indeno(1,2,3-cd)pyrene	ND	240	ug/Kg	1	05/16/20	KCA	SW8270D
Isophorone	ND	21000	ug/Kg	1	05/16/20	KCA	SW8270D
Naphthalene	ND	240	ug/Kg	1	05/16/20	KCA	SW8270D
Nitrobenzene	ND	240	ug/Kg	1	05/16/20	KCA	SW8270D
N-Nitrosodimethylamine	ND	340	ug/Kg	1	05/16/20	KCA	SW8270D
N-Nitrosodi-n-propylamine	ND	240	ug/Kg	1	05/16/20	KCA	SW8270D
N-Nitrosodiphenylamine	ND	340	ug/Kg	1	05/16/20	KCA	SW8270D
Pentachloronitrobenzene	ND	340	ug/Kg	1	05/16/20	KCA	SW8270D
Pentachlorophenol	ND	340	ug/Kg	1	05/16/20	KCA	SW8270D

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference	
Phenanthrene	ND	240	ug/Kg	1	05/16/20	KCA	SW8270D	
Phenol	ND	240	ug/Kg	1	05/16/20	KCA	SW8270D	
Pyrene	ND	240	ug/Kg	1	05/16/20	KCA	SW8270D	
Pyridine	ND	340	ug/Kg	1	05/16/20	KCA	SW8270D	
<u>QA/QC Surrogates</u>								
% 2,4,6-Tribromophenol	25		%	1	05/16/20	KCA	30 - 130 %	3
% 2-Fluorobiphenyl	72		%	1	05/16/20	KCA	30 - 130 %	
% 2-Fluorophenol	<10		%	1	05/16/20	KCA	30 - 130 %	3
% Nitrobenzene-d5	74		%	1	05/16/20	KCA	30 - 130 %	
% Phenol-d5	38		%	1	05/16/20	KCA	30 - 130 %	
% Terphenyl-d14	96		%	1	05/16/20	KCA	30 - 130 %	
Field Extraction	Completed				05/14/20		SW5035A	1

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

3 = This parameter exceeds laboratory specified limits.

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

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:

Per 1.4.6 of EPA method 8270D, 1,2-Diphenylhydrazine is unstable and readily converts to Azobenzene. Azobenzene is used for the calibration of 1,2-Diphenylhydrazine.

Please be advised that the NY 375 soil criteria for chromium are based on hexavalent chromium and trivalent chromium.

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample 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

May 20, 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

May 20, 2020

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

Sample Information

Matrix: SOIL
Location Code: WALDENE-IPARK
Rush Request: 48 Hour
P.O.#: I PARK 0118.41

Custody Information

Collected by: KW
Received by: LB
Analyzed by: see "By" below

Date

05/14/20
05/15/20

Time

11:15
16:16

Laboratory Data

SDG ID: GCF96460
Phoenix ID: CF96464

Project ID: I PARK 0118.41
Client ID: SS-5 (3-4')

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Aluminum	11600	56	mg/Kg	10	05/16/20	EK	SW6010D
Antimony	< 3.8	3.8	mg/Kg	1	05/16/20	EK	SW6010D
Arsenic	3.94	0.75	mg/Kg	1	05/16/20	EK	SW6010D
Barium	45.2	0.38	mg/Kg	1	05/16/20	EK	SW6010D
Beryllium	< 0.30	0.30	mg/Kg	1	05/16/20	EK	SW6010D
Calcium	37400	56	mg/Kg	10	05/16/20	EK	SW6010D
Cadmium	1.72	0.38	mg/Kg	1	05/16/20	EK	SW6010D
Chromium	15.2	0.38	mg/Kg	1	05/16/20	EK	SW6010D
Cobalt	8.82	0.38	mg/Kg	1	05/16/20	EK	SW6010D
Copper	31.2	0.8	mg/kg	1	05/16/20	EK	SW6010D
Iron	25600	56	mg/Kg	10	05/16/20	EK	SW6010D
Lead	11.9	0.38	mg/Kg	1	05/16/20	EK	SW6010D
Magnesium	16300	56	mg/Kg	10	05/16/20	EK	SW6010D
Manganese	999	3.8	mg/Kg	10	05/16/20	EK	SW6010D
Mercury	< 0.03	0.03	mg/Kg	2	05/18/20	RS	SW7471B
Nickel	21.6	0.38	mg/Kg	1	05/16/20	EK	SW6010D
Potassium	1530	5.6	mg/Kg	1	05/16/20	EK	SW6010D
Selenium	< 1.5	1.5	mg/Kg	1	05/16/20	EK	SW6010D
Silver	< 0.38	0.38	mg/Kg	1	05/16/20	EK	SW6010D
Sodium	180	5.6	mg/Kg	1	05/16/20	EK	SW6010D
Thallium	< 3.4	3.4	mg/Kg	1	05/16/20	EK	SW6010D
Vanadium	14.0	0.38	mg/Kg	1	05/16/20	EK	SW6010D
Zinc	61.5	0.8	mg/Kg	1	05/16/20	EK	SW6010D
Percent Solid	95		%		05/15/20	HB	SW846-%Solid
Soil Extraction for SVOA	Completed				05/15/20	RR/EE	SW3545A
Mercury Digestion	Completed				05/18/20	A\VT\RA\	SW7471B
Total Metals Digest	Completed				05/15/20	S\AG	SW3050B

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
<u>Volatiles</u>							
1,1,1,2-Tetrachloroethane	ND	6.5	ug/Kg	1	05/16/20	JLI	SW8260C
1,1,1-Trichloroethane	ND	6.5	ug/Kg	1	05/16/20	JLI	SW8260C
1,1,2,2-Tetrachloroethane	ND	6.5	ug/Kg	1	05/16/20	JLI	SW8260C
1,1,2-Trichloroethane	ND	6.5	ug/Kg	1	05/16/20	JLI	SW8260C
1,1-Dichloroethane	ND	6.5	ug/Kg	1	05/16/20	JLI	SW8260C
1,1-Dichloroethene	ND	6.5	ug/Kg	1	05/16/20	JLI	SW8260C
1,1-Dichloropropene	ND	6.5	ug/Kg	1	05/16/20	JLI	SW8260C
1,2,3-Trichlorobenzene	ND	6.5	ug/Kg	1	05/16/20	JLI	SW8260C
1,2,3-Trichloropropane	ND	6.5	ug/Kg	1	05/16/20	JLI	SW8260C
1,2,4-Trichlorobenzene	ND	6.5	ug/Kg	1	05/16/20	JLI	SW8260C
1,2,4-Trimethylbenzene	ND	6.5	ug/Kg	1	05/16/20	JLI	SW8260C
1,2-Dibromo-3-chloropropane	ND	6.5	ug/Kg	1	05/16/20	JLI	SW8260C
1,2-Dibromoethane	ND	6.5	ug/Kg	1	05/16/20	JLI	SW8260C
1,2-Dichlorobenzene	ND	6.5	ug/Kg	1	05/16/20	JLI	SW8260C
1,2-Dichloroethane	ND	6.5	ug/Kg	1	05/16/20	JLI	SW8260C
1,2-Dichloropropane	ND	6.5	ug/Kg	1	05/16/20	JLI	SW8260C
1,3,5-Trimethylbenzene	ND	6.5	ug/Kg	1	05/16/20	JLI	SW8260C
1,3-Dichlorobenzene	ND	6.5	ug/Kg	1	05/16/20	JLI	SW8260C
1,3-Dichloropropane	ND	6.5	ug/Kg	1	05/16/20	JLI	SW8260C
1,4-Dichlorobenzene	ND	6.5	ug/Kg	1	05/16/20	JLI	SW8260C
2,2-Dichloropropane	ND	6.5	ug/Kg	1	05/16/20	JLI	SW8260C
2-Chlorotoluene	ND	6.5	ug/Kg	1	05/16/20	JLI	SW8260C
2-Hexanone	ND	33	ug/Kg	1	05/16/20	JLI	SW8260C
2-Isopropyltoluene	ND	6.5	ug/Kg	1	05/16/20	JLI	SW8260C
4-Chlorotoluene	ND	6.5	ug/Kg	1	05/16/20	JLI	SW8260C
4-Methyl-2-pentanone	ND	33	ug/Kg	1	05/16/20	JLI	SW8260C
Acetone	ND	33	ug/Kg	1	05/16/20	JLI	SW8260C
Acrylonitrile	ND	13	ug/Kg	1	05/16/20	JLI	SW8260C
Benzene	ND	6.5	ug/Kg	1	05/16/20	JLI	SW8260C
Bromobenzene	ND	6.5	ug/Kg	1	05/16/20	JLI	SW8260C
Bromochloromethane	ND	6.5	ug/Kg	1	05/16/20	JLI	SW8260C
Bromodichloromethane	ND	6.5	ug/Kg	1	05/16/20	JLI	SW8260C
Bromoform	ND	6.5	ug/Kg	1	05/16/20	JLI	SW8260C
Bromomethane	ND	6.5	ug/Kg	1	05/16/20	JLI	SW8260C
Carbon Disulfide	ND	6.5	ug/Kg	1	05/16/20	JLI	SW8260C
Carbon tetrachloride	ND	6.5	ug/Kg	1	05/16/20	JLI	SW8260C
Chlorobenzene	ND	6.5	ug/Kg	1	05/16/20	JLI	SW8260C
Chloroethane	ND	6.5	ug/Kg	1	05/16/20	JLI	SW8260C
Chloroform	ND	6.5	ug/Kg	1	05/16/20	JLI	SW8260C
Chloromethane	ND	6.5	ug/Kg	1	05/16/20	JLI	SW8260C
cis-1,2-Dichloroethene	ND	6.5	ug/Kg	1	05/16/20	JLI	SW8260C
cis-1,3-Dichloropropene	ND	6.5	ug/Kg	1	05/16/20	JLI	SW8260C
Dibromochloromethane	ND	6.5	ug/Kg	1	05/16/20	JLI	SW8260C
Dibromomethane	ND	6.5	ug/Kg	1	05/16/20	JLI	SW8260C
Dichlorodifluoromethane	ND	6.5	ug/Kg	1	05/16/20	JLI	SW8260C
Ethylbenzene	ND	6.5	ug/Kg	1	05/16/20	JLI	SW8260C
Hexachlorobutadiene	ND	6.5	ug/Kg	1	05/16/20	JLI	SW8260C
Isopropylbenzene	ND	6.5	ug/Kg	1	05/16/20	JLI	SW8260C

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
m&p-Xylene	ND	6.5	ug/Kg	1	05/16/20	JLI	SW8260C
Methyl Ethyl Ketone	ND	33	ug/Kg	1	05/16/20	JLI	SW8260C
Methyl t-butyl ether (MTBE)	ND	13	ug/Kg	1	05/16/20	JLI	SW8260C
Methylene chloride	ND	13	ug/Kg	1	05/16/20	JLI	SW8260C
Naphthalene	ND	6.5	ug/Kg	1	05/16/20	JLI	SW8260C
n-Butylbenzene	ND	6.5	ug/Kg	1	05/16/20	JLI	SW8260C
n-Propylbenzene	ND	6.5	ug/Kg	1	05/16/20	JLI	SW8260C
o-Xylene	ND	6.5	ug/Kg	1	05/16/20	JLI	SW8260C
p-Isopropyltoluene	ND	6.5	ug/Kg	1	05/16/20	JLI	SW8260C
sec-Butylbenzene	ND	6.5	ug/Kg	1	05/16/20	JLI	SW8260C
Styrene	ND	6.5	ug/Kg	1	05/16/20	JLI	SW8260C
tert-Butylbenzene	ND	6.5	ug/Kg	1	05/16/20	JLI	SW8260C
Tetrachloroethene	ND	6.5	ug/Kg	1	05/16/20	JLI	SW8260C
Tetrahydrofuran (THF)	ND	13	ug/Kg	1	05/16/20	JLI	SW8260C
Toluene	ND	6.5	ug/Kg	1	05/16/20	JLI	SW8260C
Total Xylenes	ND	6.5	ug/Kg	1	05/16/20	JLI	SW8260C
trans-1,2-Dichloroethene	ND	6.5	ug/Kg	1	05/16/20	JLI	SW8260C
trans-1,3-Dichloropropene	ND	6.5	ug/Kg	1	05/16/20	JLI	SW8260C
trans-1,4-dichloro-2-butene	ND	13	ug/Kg	1	05/16/20	JLI	SW8260C
Trichloroethene	ND	6.5	ug/Kg	1	05/16/20	JLI	SW8260C
Trichlorofluoromethane	ND	6.5	ug/Kg	1	05/16/20	JLI	SW8260C
Trichlorotrifluoroethane	ND	6.5	ug/Kg	1	05/16/20	JLI	SW8260C
Vinyl chloride	ND	6.5	ug/Kg	1	05/16/20	JLI	SW8260C
<u>QA/QC Surrogates</u>							
% 1,2-dichlorobenzene-d4	100		%	1	05/16/20	JLI	70 - 130 %
% Bromofluorobenzene	88		%	1	05/16/20	JLI	70 - 130 %
% Dibromofluoromethane	75		%	1	05/16/20	JLI	70 - 130 %
% Toluene-d8	95		%	1	05/16/20	JLI	70 - 130 %
<u>Semivolatiles</u>							
1,2,4,5-Tetrachlorobenzene	ND	240	ug/Kg	1	05/16/20	KCA	SW8270D
1,2,4-Trichlorobenzene	ND	240	ug/Kg	1	05/16/20	KCA	SW8270D
1,2-Dichlorobenzene	ND	240	ug/Kg	1	05/16/20	KCA	SW8270D
1,2-Diphenylhydrazine	ND	350	ug/Kg	1	05/16/20	KCA	SW8270D
1,3-Dichlorobenzene	ND	240	ug/Kg	1	05/16/20	KCA	SW8270D
1,4-Dichlorobenzene	ND	240	ug/Kg	1	05/16/20	KCA	SW8270D
2,4,5-Trichlorophenol	ND	240	ug/Kg	1	05/16/20	KCA	SW8270D
2,4,6-Trichlorophenol	ND	240	ug/Kg	1	05/16/20	KCA	SW8270D
2,4-Dichlorophenol	ND	240	ug/Kg	1	05/16/20	KCA	SW8270D
2,4-Dimethylphenol	ND	240	ug/Kg	1	05/16/20	KCA	SW8270D
2,4-Dinitrophenol	ND	350	ug/Kg	1	05/16/20	KCA	SW8270D
2,4-Dinitrotoluene	ND	240	ug/Kg	1	05/16/20	KCA	SW8270D
2,6-Dinitrotoluene	ND	240	ug/Kg	1	05/16/20	KCA	SW8270D
2-Chloronaphthalene	ND	240	ug/Kg	1	05/16/20	KCA	SW8270D
2-Chlorophenol	ND	240	ug/Kg	1	05/16/20	KCA	SW8270D
2-Methylnaphthalene	ND	240	ug/Kg	1	05/16/20	KCA	SW8270D
2-Methylphenol (o-cresol)	ND	240	ug/Kg	1	05/16/20	KCA	SW8270D
2-Nitroaniline	ND	350	ug/Kg	1	05/16/20	KCA	SW8270D
2-Nitrophenol	ND	240	ug/Kg	1	05/16/20	KCA	SW8270D
3&4-Methylphenol (m&p-cresol)	ND	350	ug/Kg	1	05/16/20	KCA	SW8270D

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
3,3'-Dichlorobenzidine	ND	240	ug/Kg	1	05/16/20	KCA	SW8270D
3-Nitroaniline	ND	350	ug/Kg	1	05/16/20	KCA	SW8270D
4,6-Dinitro-2-methylphenol	ND	350	ug/Kg	1	05/16/20	KCA	SW8270D
4-Bromophenyl phenyl ether	ND	350	ug/Kg	1	05/16/20	KCA	SW8270D
4-Chloro-3-methylphenol	ND	240	ug/Kg	1	05/16/20	KCA	SW8270D
4-Chloroaniline	ND	240	ug/Kg	1	05/16/20	KCA	SW8270D
4-Chlorophenyl phenyl ether	ND	240	ug/Kg	1	05/16/20	KCA	SW8270D
4-Nitroaniline	ND	560	ug/Kg	1	05/16/20	KCA	SW8270D
4-Nitrophenol	ND	240	ug/Kg	1	05/16/20	KCA	SW8270D
Acenaphthene	ND	240	ug/Kg	1	05/16/20	KCA	SW8270D
Acenaphthylene	ND	240	ug/Kg	1	05/16/20	KCA	SW8270D
Acetophenone	ND	240	ug/Kg	1	05/16/20	KCA	SW8270D
Aniline	ND	350	ug/Kg	1	05/16/20	KCA	SW8270D
Anthracene	ND	240	ug/Kg	1	05/16/20	KCA	SW8270D
Benz(a)anthracene	ND	240	ug/Kg	1	05/16/20	KCA	SW8270D
Benzidine	ND	240	ug/Kg	1	05/16/20	KCA	SW8270D
Benzo(a)pyrene	ND	240	ug/Kg	1	05/16/20	KCA	SW8270D
Benzo(b)fluoranthene	ND	240	ug/Kg	1	05/16/20	KCA	SW8270D
Benzo(ghi)perylene	ND	240	ug/Kg	1	05/16/20	KCA	SW8270D
Benzo(k)fluoranthene	ND	240	ug/Kg	1	05/16/20	KCA	SW8270D
Benzoic acid	ND	700	ug/Kg	1	05/16/20	KCA	SW8270D
Benzyl butyl phthalate	ND	240	ug/Kg	1	05/16/20	KCA	SW8270D
Bis(2-chloroethoxy)methane	ND	240	ug/Kg	1	05/16/20	KCA	SW8270D
Bis(2-chloroethyl)ether	ND	350	ug/Kg	1	05/16/20	KCA	SW8270D
Bis(2-chloroisopropyl)ether	ND	240	ug/Kg	1	05/16/20	KCA	SW8270D
Bis(2-ethylhexyl)phthalate	ND	240	ug/Kg	1	05/16/20	KCA	SW8270D
Carbazole	ND	350	ug/Kg	1	05/16/20	KCA	SW8270D
Chrysene	ND	240	ug/Kg	1	05/16/20	KCA	SW8270D
Dibenz(a,h)anthracene	ND	240	ug/Kg	1	05/16/20	KCA	SW8270D
Dibenzofuran	ND	240	ug/Kg	1	05/16/20	KCA	SW8270D
Diethyl phthalate	ND	240	ug/Kg	1	05/16/20	KCA	SW8270D
Dimethylphthalate	ND	240	ug/Kg	1	05/16/20	KCA	SW8270D
Di-n-butylphthalate	ND	350	ug/Kg	1	05/16/20	KCA	SW8270D
Di-n-octylphthalate	ND	240	ug/Kg	1	05/16/20	KCA	SW8270D
Fluoranthene	ND	240	ug/Kg	1	05/16/20	KCA	SW8270D
Fluorene	ND	240	ug/Kg	1	05/16/20	KCA	SW8270D
Hexachlorobenzene	ND	240	ug/Kg	1	05/16/20	KCA	SW8270D
Hexachlorobutadiene	ND	240	ug/Kg	1	05/16/20	KCA	SW8270D
Hexachlorocyclopentadiene	ND	240	ug/Kg	1	05/16/20	KCA	SW8270D
Hexachloroethane	ND	240	ug/Kg	1	05/16/20	KCA	SW8270D
Indeno(1,2,3-cd)pyrene	ND	240	ug/Kg	1	05/16/20	KCA	SW8270D
Isophorone	ND	1500	ug/Kg	1	05/16/20	KCA	SW8270D
Naphthalene	ND	240	ug/Kg	1	05/16/20	KCA	SW8270D
Nitrobenzene	ND	240	ug/Kg	1	05/16/20	KCA	SW8270D
N-Nitrosodimethylamine	ND	350	ug/Kg	1	05/16/20	KCA	SW8270D
N-Nitrosodi-n-propylamine	ND	240	ug/Kg	1	05/16/20	KCA	SW8270D
N-Nitrosodiphenylamine	ND	350	ug/Kg	1	05/16/20	KCA	SW8270D
Pentachloronitrobenzene	ND	350	ug/Kg	1	05/16/20	KCA	SW8270D
Pentachlorophenol	ND	350	ug/Kg	1	05/16/20	KCA	SW8270D

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference	
Phenanthrene	ND	240	ug/Kg	1	05/16/20	KCA	SW8270D	
Phenol	ND	240	ug/Kg	1	05/16/20	KCA	SW8270D	
Pyrene	ND	240	ug/Kg	1	05/16/20	KCA	SW8270D	
Pyridine	ND	350	ug/Kg	1	05/16/20	KCA	SW8270D	
<u>QA/QC Surrogates</u>								
% 2,4,6-Tribromophenol	21		%	1	05/16/20	KCA	30 - 130 %	3
% 2-Fluorobiphenyl	50		%	1	05/16/20	KCA	30 - 130 %	
% 2-Fluorophenol	30		%	1	05/16/20	KCA	30 - 130 %	
% Nitrobenzene-d5	48		%	1	05/16/20	KCA	30 - 130 %	
% Phenol-d5	51		%	1	05/16/20	KCA	30 - 130 %	
% Terphenyl-d14	69		%	1	05/16/20	KCA	30 - 130 %	
Field Extraction	Completed				05/14/20		SW5035A	1

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

3 = This parameter exceeds laboratory specified limits.

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

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:

Per 1.4.6 of EPA method 8270D, 1,2-Diphenylhydrazine is unstable and readily converts to Azobenzene. Azobenzene is used for the calibration of 1,2-Diphenylhydrazine.

Please be advised that the NY 375 soil criteria for chromium are based on hexavalent chromium and trivalent chromium.

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample 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

May 20, 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



QA/QC Report

May 20, 2020

QA/QC Data

SDG I.D.: GCF96460

Parameter	Blank	Blk RL	Sample Result	Dup Result	Dup RPD	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
QA/QC Batch 530179 (mg/kg), QC Sample No: CF96351 2X (CF96460, CF96461, CF96462, CF96463, CF96464)													
Mercury - Soil	BRL	0.03	0.11	0.11	0	121	118	2.5	95.9	92.8	3.3	70 - 130	30
Comment:													

Additional Mercury criteria: LCS acceptance range for waters is 80-120% and for soils is 70-130%. MS acceptance range is 75-125%.

QA/QC Batch 530099 (mg/kg), QC Sample No: CF96397 (CF96460, CF96461, CF96462, CF96463, CF96464)

ICP Metals - Soil

Aluminum	BRL	5.0	10500	13400	24.3	121	105	14.2	NC			75 - 125	35
Antimony	BRL	3.3	<3.3	<3.5	NC	113	119	5.2	95.4			75 - 125	35
Arsenic	BRL	0.67	5.41	6.18	13.3	117	103	12.7	102			75 - 125	35
Barium	BRL	0.33	226	287	23.8	116	101	13.8	130			75 - 125	35 m
Beryllium	BRL	0.27	0.39	0.42	NC	118	102	14.5	105			75 - 125	35
Cadmium	BRL	0.33	1.59	1.84	NC	115	101	13.0	101			75 - 125	35
Calcium	BRL	5.0	8200	9150	11.0	113	99.1	13.1	NC			75 - 125	35
Chromium	BRL	0.33	25.4	31.4	21.1	115	102	12.0	105			75 - 125	35
Cobalt	BRL	0.33	8.46	9.73	14.0	121	103	16.1	102			75 - 125	35
Copper	BRL	0.67	56.6	64.0	12.3	115	101	13.0	103			75 - 125	35
Iron	BRL	5.0	17500	19200	9.30	112	98.2	13.1	NC			75 - 125	35
Lead	BRL	0.33	235	298	23.6	119	103	14.4	108			75 - 125	35
Magnesium	BRL	5.0	4010	5040	22.8	124	106	15.7	NC			75 - 125	35
Manganese	BRL	0.33	266	275	3.30	114	98.6	14.5	121			75 - 125	35
Nickel	BRL	0.33	16.7	18.2	8.60	119	102	15.4	105			75 - 125	35
Potassium	BRL	5.0	2490	2970	17.6	120	103	15.2	NC			75 - 125	35
Selenium	BRL	1.3	<1.3	<1.4	NC	120	104	14.3	102			75 - 125	35
Silver	BRL	0.33	<0.33	<0.35	NC	113	99.5	12.7	102			75 - 125	35
Sodium	BRL	5.0	151	179	17.0	106	86.7	20.0	NC			75 - 125	35
Thallium	BRL	3.0	<3.0	<3.1	NC	116	102	12.8	99.5			75 - 125	35
Vanadium	BRL	0.33	29.6	35.5	18.1	121	106	13.2	107			75 - 125	35
Zinc	BRL	0.67	223	260	15.3	118	103	13.6	>130			75 - 125	35 m

Comment:

Additional Criteria: LCS acceptance range is 80-120% MS acceptance range 75-125%.

m = This parameter is outside laboratory MS/MSD specified recovery limits.



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

May 20, 2020

QA/QC Data

SDG I.D.: GCF96460

Parameter	Blank	Blk RL	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits	
QA/QC Batch 530095 (ug/kg), QC Sample No: CF96385 (CF96460, CF96461, CF96462, CF96463, CF96464)											
Semivolatiles - Soil											
1,2,4,5-Tetrachlorobenzene	ND	230	65	71	8.8	75	71	5.5	40 - 140	30	
1,2,4-Trichlorobenzene	ND	230	61	67	9.4	71	69	2.9	40 - 140	30	
1,2-Dichlorobenzene	ND	180	52	58	10.9	64	62	3.2	40 - 140	30	
1,2-Diphenylhydrazine	ND	230	62	68	9.2	68	73	7.1	40 - 140	30	
1,3-Dichlorobenzene	ND	230	49	55	11.5	60	59	1.7	40 - 140	30	
1,4-Dichlorobenzene	ND	230	52	57	9.2	62	62	0.0	40 - 140	30	
2,4,5-Trichlorophenol	ND	230	85	93	9.0	94	87	7.7	40 - 140	30	
2,4,6-Trichlorophenol	ND	130	81	91	11.6	90	85	5.7	30 - 130	30	
2,4-Dichlorophenol	ND	130	75	83	10.1	86	81	6.0	30 - 130	30	
2,4-Dimethylphenol	ND	230	75	82	8.9	79	79	0.0	30 - 130	30	
2,4-Dinitrophenol	ND	230	86	97	12.0	88	51	53.2	30 - 130	30	r
2,4-Dinitrotoluene	ND	130	78	88	12.0	94	87	7.7	30 - 130	30	
2,6-Dinitrotoluene	ND	130	86	95	9.9	99	94	5.2	40 - 140	30	
2-Chloronaphthalene	ND	230	66	72	8.7	75	74	1.3	40 - 140	30	
2-Chlorophenol	ND	230	66	75	12.8	82	77	6.3	30 - 130	30	
2-Methylnaphthalene	ND	230	65	73	11.6	76	72	5.4	40 - 140	30	
2-Methylphenol (o-cresol)	ND	230	62	79	24.1	85	81	4.8	40 - 140	30	
2-Nitroaniline	ND	330	136	147	7.8	163	154	5.7	40 - 140	30	I,m
2-Nitrophenol	ND	230	77	83	7.5	84	76	10.0	40 - 140	30	
3&4-Methylphenol (m&p-cresol)	ND	230	71	80	11.9	86	81	6.0	30 - 130	30	
3,3'-Dichlorobenzidine	ND	130	78	83	6.2	109	108	0.9	40 - 140	30	
3-Nitroaniline	ND	330	77	91	16.7	119	114	4.3	40 - 140	30	
4,6-Dinitro-2-methylphenol	ND	230	82	93	12.6	88	63	33.1	30 - 130	30	r
4-Bromophenyl phenyl ether	ND	230	74	80	7.8	83	80	3.7	40 - 140	30	
4-Chloro-3-methylphenol	ND	230	80	87	8.4	90	84	6.9	30 - 130	30	
4-Chloroaniline	ND	230	51	59	14.5	73	73	0.0	40 - 140	30	
4-Chlorophenyl phenyl ether	ND	230	70	77	9.5	80	76	5.1	40 - 140	30	
4-Nitroaniline	ND	230	81	87	7.1	89	84	5.8	40 - 140	30	
4-Nitrophenol	ND	230	76	87	13.5	85	75	12.5	30 - 130	30	
Acenaphthene	ND	230	70	75	6.9	78	76	2.6	30 - 130	30	
Acenaphthylene	ND	130	69	75	8.3	78	80	2.5	40 - 140	30	
Acetophenone	ND	230	58	67	14.4	72	69	4.3	40 - 140	30	
Aniline	ND	330	33	43	26.3	65	60	8.0	40 - 140	30	I
Anthracene	ND	230	71	77	8.1	80	79	1.3	40 - 140	30	
Benz(a)anthracene	ND	230	74	81	9.0	86	97	12.0	40 - 140	30	
Benzidine	ND	330	<10	<10	NC	35	35	0.0	40 - 140	30	I,m
Benzo(a)pyrene	ND	130	80	87	8.4	94	115	20.1	40 - 140	30	
Benzo(b)fluoranthene	ND	160	88	94	6.6	102	121	17.0	40 - 140	30	
Benzo(ghi)perylene	ND	230	74	78	5.3	83	96	14.5	40 - 140	30	
Benzo(k)fluoranthene	ND	230	59	62	5.0	68	83	19.9	40 - 140	30	
Benzoic Acid	ND	670	83	102	20.5	18	<10	NC	30 - 130	30	m

QA/QC Data

SDG I.D.: GCF96460

Parameter	Blank	Blk RL	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
Benzyl butyl phthalate	ND	230	73	81	10.4	84	79	6.1	40 - 140	30
Bis(2-chloroethoxy)methane	ND	230	61	68	10.9	70	68	2.9	40 - 140	30
Bis(2-chloroethyl)ether	ND	130	48	55	13.6	55	54	1.8	40 - 140	30
Bis(2-chloroisopropyl)ether	ND	230	43	46	6.7	49	48	2.1	40 - 140	30
Bis(2-ethylhexyl)phthalate	ND	230	73	80	9.2	82	77	6.3	40 - 140	30
Carbazole	ND	230	74	82	10.3	84	82	2.4	40 - 140	30
Chrysene	ND	230	72	78	8.0	83	94	12.4	40 - 140	30
Dibenz(a,h)anthracene	ND	130	76	79	3.9	88	93	5.5	40 - 140	30
Dibenzofuran	ND	230	70	76	8.2	78	75	3.9	40 - 140	30
Diethyl phthalate	ND	230	75	82	8.9	85	81	4.8	40 - 140	30
Dimethylphthalate	ND	230	72	79	9.3	82	78	5.0	40 - 140	30
Di-n-butylphthalate	ND	670	80	88	9.5	90	85	5.7	40 - 140	30
Di-n-octylphthalate	ND	230	81	89	9.4	92	85	7.9	40 - 140	30
Fluoranthene	ND	230	73	81	10.4	85	89	4.6	40 - 140	30
Fluorene	ND	230	70	76	8.2	79	76	3.9	40 - 140	30
Hexachlorobenzene	ND	130	68	73	7.1	78	74	5.3	40 - 140	30
Hexachlorobutadiene	ND	230	60	64	6.5	68	68	0.0	40 - 140	30
Hexachlorocyclopentadiene	ND	230	51	53	3.8	52	42	21.3	40 - 140	30
Hexachloroethane	ND	130	48	54	11.8	59	57	3.4	40 - 140	30
Indeno(1,2,3-cd)pyrene	ND	230	77	80	3.8	88	104	16.7	40 - 140	30
Isophorone	ND	130	58	63	8.3	66	64	3.1	40 - 140	30
Naphthalene	ND	230	58	64	9.8	66	66	0.0	40 - 140	30
Nitrobenzene	ND	130	60	68	12.5	73	69	5.6	40 - 140	30
N-Nitrosodimethylamine	ND	230	36	40	10.5	41	42	2.4	40 - 140	30
N-Nitrosodi-n-propylamine	ND	130	58	64	9.8	69	66	4.4	40 - 140	30
N-Nitrosodiphenylamine	ND	130	78	87	10.9	90	85	5.7	40 - 140	30
Pentachloronitrobenzene	ND	230	76	83	8.8	89	83	7.0	40 - 140	30
Pentachlorophenol	ND	230	74	81	9.0	86	72	17.7	30 - 130	30
Phenanthrene	ND	130	69	75	8.3	79	77	2.6	40 - 140	30
Phenol	ND	230	63	71	11.9	77	71	8.1	30 - 130	30
Pyrene	ND	230	77	85	9.9	89	95	6.5	30 - 130	30
Pyridine	ND	230	30	34	12.5	33	34	3.0	40 - 140	30
% 2,4,6-Tribromophenol	45	%	76	83	8.8	81	75	7.7	30 - 130	30
% 2-Fluorobiphenyl	65	%	59	63	6.6	64	64	0.0	30 - 130	30
% 2-Fluorophenol	59	%	57	66	14.6	71	68	4.3	30 - 130	30
% Nitrobenzene-d5	64	%	56	64	13.3	68	64	6.1	30 - 130	30
% Phenol-d5	67	%	64	72	11.8	76	72	5.4	30 - 130	30
% Terphenyl-d14	79	%	77	86	11.0	85	83	2.4	30 - 130	30

Comment:

Additional 8270 criteria: 20% of compounds can be outside of acceptance criteria as long as recovery is at least 10%. (Acid surrogates acceptance range for aqueous samples: 15-110%, for soils 30-130%)

QA/QC Batch 530277 (ug/kg), QC Sample No: CF96090 (CF96460, CF96461, CF96462, CF96463, CF96464)

Volatiles - Soil (Low Level)

1,1,1,2-Tetrachloroethane	ND	5.0	91	92	1.1				70 - 130	30
1,1,1-Trichloroethane	ND	5.0	82	85	3.6				70 - 130	30
1,1,2,2-Tetrachloroethane	ND	3.0	94	97	3.1				70 - 130	30
1,1,2-Trichloroethane	ND	5.0	90	90	0.0				70 - 130	30
1,1-Dichloroethane	ND	5.0	89	93	4.4				70 - 130	30
1,1-Dichloroethene	ND	5.0	85	90	5.7				70 - 130	30
1,1-Dichloropropene	ND	5.0	85	87	2.3				70 - 130	30
1,2,3-Trichlorobenzene	ND	5.0	94	95	1.1				70 - 130	30
1,2,3-Trichloropropane	ND	5.0	86	90	4.5				70 - 130	30

QA/QC Data

SDG I.D.: GCF96460

Parameter	Blank	Blk RL	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
1,2,4-Trichlorobenzene	ND	5.0	96	97	1.0				70 - 130	30
1,2,4-Trimethylbenzene	ND	1.0	91	95	4.3				70 - 130	30
1,2-Dibromo-3-chloropropane	ND	5.0	92	95	3.2				70 - 130	30
1,2-Dibromoethane	ND	5.0	91	92	1.1				70 - 130	30
1,2-Dichlorobenzene	ND	5.0	95	96	1.0				70 - 130	30
1,2-Dichloroethane	ND	5.0	80	82	2.5				70 - 130	30
1,2-Dichloropropane	ND	5.0	88	89	1.1				70 - 130	30
1,3,5-Trimethylbenzene	ND	1.0	93	96	3.2				70 - 130	30
1,3-Dichlorobenzene	ND	5.0	95	98	3.1				70 - 130	30
1,3-Dichloropropane	ND	5.0	90	91	1.1				70 - 130	30
1,4-Dichlorobenzene	ND	5.0	94	96	2.1				70 - 130	30
2,2-Dichloropropane	ND	5.0	80	83	3.7				70 - 130	30
2-Chlorotoluene	ND	5.0	94	97	3.1				70 - 130	30
2-Hexanone	ND	25	70	74	5.6				70 - 130	30
2-Isopropyltoluene	ND	5.0	90	94	4.3				70 - 130	30
4-Chlorotoluene	ND	5.0	93	97	4.2				70 - 130	30
4-Methyl-2-pentanone	ND	25	76	79	3.9				70 - 130	30
Acetone	ND	10	67	71	5.8				70 - 130	30
Acrylonitrile	ND	5.0	82	87	5.9				70 - 130	30
Benzene	ND	1.0	92	94	2.2				70 - 130	30
Bromobenzene	ND	5.0	96	98	2.1				70 - 130	30
Bromochloromethane	ND	5.0	97	99	2.0				70 - 130	30
Bromodichloromethane	ND	5.0	87	88	1.1				70 - 130	30
Bromoform	ND	5.0	94	96	2.1				70 - 130	30
Bromomethane	ND	5.0	98	102	4.0				70 - 130	30
Carbon Disulfide	ND	5.0	78	82	5.0				70 - 130	30
Carbon tetrachloride	ND	5.0	82	86	4.8				70 - 130	30
Chlorobenzene	ND	5.0	94	96	2.1				70 - 130	30
Chloroethane	ND	5.0	69	73	5.6				70 - 130	30
Chloroform	ND	5.0	86	89	3.4				70 - 130	30
Chloromethane	ND	5.0	81	84	3.6				70 - 130	30
cis-1,2-Dichloroethene	ND	5.0	92	98	6.3				70 - 130	30
cis-1,3-Dichloropropene	ND	5.0	84	84	0.0				70 - 130	30
Dibromochloromethane	ND	3.0	96	97	1.0				70 - 130	30
Dibromomethane	ND	5.0	87	87	0.0				70 - 130	30
Dichlorodifluoromethane	ND	5.0	78	82	5.0				70 - 130	30
Ethylbenzene	ND	1.0	94	96	2.1				70 - 130	30
Hexachlorobutadiene	ND	5.0	92	96	4.3				70 - 130	30
Isopropylbenzene	ND	1.0	94	97	3.1				70 - 130	30
m&p-Xylene	ND	2.0	93	95	2.1				70 - 130	30
Methyl ethyl ketone	ND	5.0	72	75	4.1				70 - 130	30
Methyl t-butyl ether (MTBE)	ND	1.0	76	78	2.6				70 - 130	30
Methylene chloride	ND	5.0	76	78	2.6				70 - 130	30
Naphthalene	ND	5.0	96	100	4.1				70 - 130	30
n-Butylbenzene	ND	1.0	95	100	5.1				70 - 130	30
n-Propylbenzene	ND	1.0	94	99	5.2				70 - 130	30
o-Xylene	ND	2.0	92	95	3.2				70 - 130	30
p-Isopropyltoluene	ND	1.0	96	100	4.1				70 - 130	30
sec-Butylbenzene	ND	1.0	100	104	3.9				70 - 130	30
Styrene	ND	5.0	93	95	2.1				70 - 130	30
tert-Butylbenzene	ND	1.0	92	96	4.3				70 - 130	30
Tetrachloroethene	ND	5.0	91	94	3.2				70 - 130	30
Tetrahydrofuran (THF)	ND	5.0	79	83	4.9				70 - 130	30

QA/QC Data

SDG I.D.: GCF96460

Parameter	Blank	Blk RL	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
Toluene	ND	1.0	92	93	1.1				70 - 130	30
trans-1,2-Dichloroethene	ND	5.0	85	88	3.5				70 - 130	30
trans-1,3-Dichloropropene	ND	5.0	81	81	0.0				70 - 130	30
trans-1,4-dichloro-2-butene	ND	5.0	83	86	3.6				70 - 130	30
Trichloroethene	ND	5.0	91	94	3.2				70 - 130	30
Trichlorofluoromethane	ND	5.0	79	83	4.9				70 - 130	30
Trichlorotrifluoroethane	ND	5.0	86	91	5.6				70 - 130	30
Vinyl chloride	ND	5.0	85	89	4.6				70 - 130	30
% 1,2-dichlorobenzene-d4	98	%	98	99	1.0				70 - 130	30
% Bromofluorobenzene	88	%	92	92	0.0				70 - 130	30
% Dibromofluoromethane	94	%	97	97	0.0				70 - 130	30
% Toluene-d8	96	%	95	94	1.1				70 - 130	30

Comment:

The Low Level MS/MSD are not reported for this batch.

Additional 8260 criteria: 10% of LCS/LCSD compounds can be outside of acceptance criteria as long as recovery is 40-160%, 25-160% for Chloroethane-HL and Trichlorofluoromethane-HL.

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

m = This parameter is outside laboratory MS/MSD specified recovery limits.

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

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

RPD - Relative Percent Difference

LCS - Laboratory Control Sample

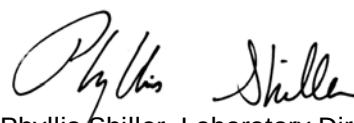
LCSD - Laboratory Control Sample Duplicate

MS - Matrix Spike

MS Dup - Matrix Spike Duplicate

NC - No Criteria

Intf - Interference



Phyllis Shiller, Laboratory Director

May 20, 2020

Wednesday, May 20, 2020

Criteria: NY: 375, 375RS

State: NY

Sample Criteria Exceedances Report

GCF96460 - WALDENE-IPARK

SampNo	Acode	Phoenix Analyte	Criteria	Result	RL	Criteria	RL Criteria	Analysis Units
CF96460	MN-SM	Manganese	NY / 375-6.8 Metals / Unrestricted Use Soil	1720	31	1600	1600	mg/Kg

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



Analysis Comments

May 20, 2020

SDG I.D.: GCF96460

The following analysis comments are made regarding exceptions to criteria not already noted in the Analysis Report or QA/QC Report:

SVOA Narration

CHEM07 05/15/20-2: CF96460, CF96461, CF96462, CF96463, CF96464

For 8270 full list, the DDT breakdown and pentachlorophenol & benzidine peak tailing were evaluated in the DFTPP tune and were found to be in control.

For 8270 BN list, benzidine peak tailing was evaluated in the DFTPP tune and was found to be in control.

The following Initial Calibration compounds did not meet recommended response factors: 2-Nitrophenol 0.050 (0.1), % 2,4,6-Tribromophenol 0.049 (0.05), Hexachlorobenzene 0.082 (0.1)

The following Initial Calibration compounds did not meet minimum response factors: % 2,4,6-Tribromophenol 0.049 (0.05)

The following Continuing Calibration compounds did not meet recommended response factors: 2-Nitrophenol 0.054 (0.1), Hexachlorobenzene 0.082 (0.1)

The following Continuing Calibration compounds did not meet minimum response factors: None.

Up to eight compounds can be outside of ICAL %RSD criteria and up to sixteen compounds can be outside of CCAL %Dev criteria if less than 40%.

VOA Narration

CHEM03 05/15/20-2: CF96460, CF96461, CF96462, CF96463, CF96464

The following Initial Calibration compounds did not meet RSD% criteria: Acetone 25% (20%), Chloroethane 28% (20%), Methyl Ethyl Ketone 21% (20%), Methylene chloride 26% (20%)

The following Initial Calibration compounds did not meet maximum RSD% criteria: None.

The following Initial Calibration compounds did not meet recommended response factors: Acetone 0.086 (0.1), Tetrachloroethene 0.197 (0.2)

The following Initial Calibration compounds did not meet minimum response factors: None.

Up to eight compounds can be outside of ICAL %RSD criteria and up to sixteen compounds can be outside of CCAL %Dev criteria if less than 40%.



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



NY Temperature Narration

May 20, 2020

SDG I.D.: GCF96460

The samples in this delivery group were received at 2.6°C.
(Note acceptance criteria for relevant matrices is above freezing up to 6°C)

PHOENIX
Environmental Laboratories, Inc.

587 East Middle Turnpike, P.O. Box 370, Manchester, CT 06040
Email: info@phoenixlabs.com Fax (860) 645-0823

Experimental Laboratories, Inc.

Customer: Carl Monheit Sr. Director of Dev.
Address: Park East Fishkill, LLC
485 West Autumn Ave
Greenwich, CT 06030

Project: Park 011841
Report to: Nora Brew
Invoice to: Carl Monneif
QUOTE # :

Project P.O.: Park 0118.41

This section MUST be completed with Bottle Quantities.

Client Sample - Information - Identification

Client Sample - Information - Identification
 Kern and Wagers Date: 5/14/20

Matrix Code:

DW=Drinking Water **GW**=Ground Water **SW**=Surface Water **WW**=Waste Water
RW=Raw Water **SE**=Sediment **SL**=Sludge **S**=Soil **SD**=Solid **W**=Wipe
OIL=Oil **B**=Bulk **L**=Liquid

HOENIX USE ONLY	SAMPLE #	Customer Sample Identification	Sample Matrix	Date Sampled	Time Sampled
	210400	SS-1 (1-2')	S	5/14/20	1300
	210401	SS-2 (1-2')	S	5/14/20	1230
	210402	SS-3 (1-2')	S	5/14/20	1145
	210403	SS-4 (1-2')	S	5/14/20	0950
	210404	SS-5 (3-4')	S	5/14/20	1115

Analysis Request

Analysis Request

Relinquished by:

Accepted by:

Time:

Turnaround:

2

1000

NY

Data Format

Comments, Special Requirements or Regulations:

What State were samples collected?

Data Package

Data Package

☐ NJ Reduced Deliv. *

☒ NY Enhanced (ASP B)

☐ Other

6CF 96460

Lori Bailey

From: Michael Lapman
Sent: Friday, May 15, 2020 02:48 PM
To: Lori Bailey
Subject: Re: Walden.....do you know what metals they want

TAL Metals.

Thank you Lori!!

Have a nice weekend!!!

Regards,
Michael Lapman
Phoenix Environmental Laboratories, Inc.
587 East Middle Turnpike
Manchester, CT 06040
Direct Line: 917.449.0850
Laboratory: 860.812.0086
www.phoenixlabs.com



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From: Lori Bailey <lori@phoenixlabs.com>
Date: Friday, May 15, 2020 at 2:41 PM
To: Michael Lapman <michael@phoenixlabs.com>
Subject: Walden.....do you know what metals they want

Lori Bailey
Client Services Representative
Phoenix Environmental Laboratories
587 East Middle Turnpike
Manchester, CT 06040
Ph: 1-860-645-1102
Fx: 1-860-645-0823



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ATTACHMENT B
SEPTEMBER 2020 INDOOR AIR SAMPLING RESULTS FOR B330 LINK
(SAMPLE IA4014)

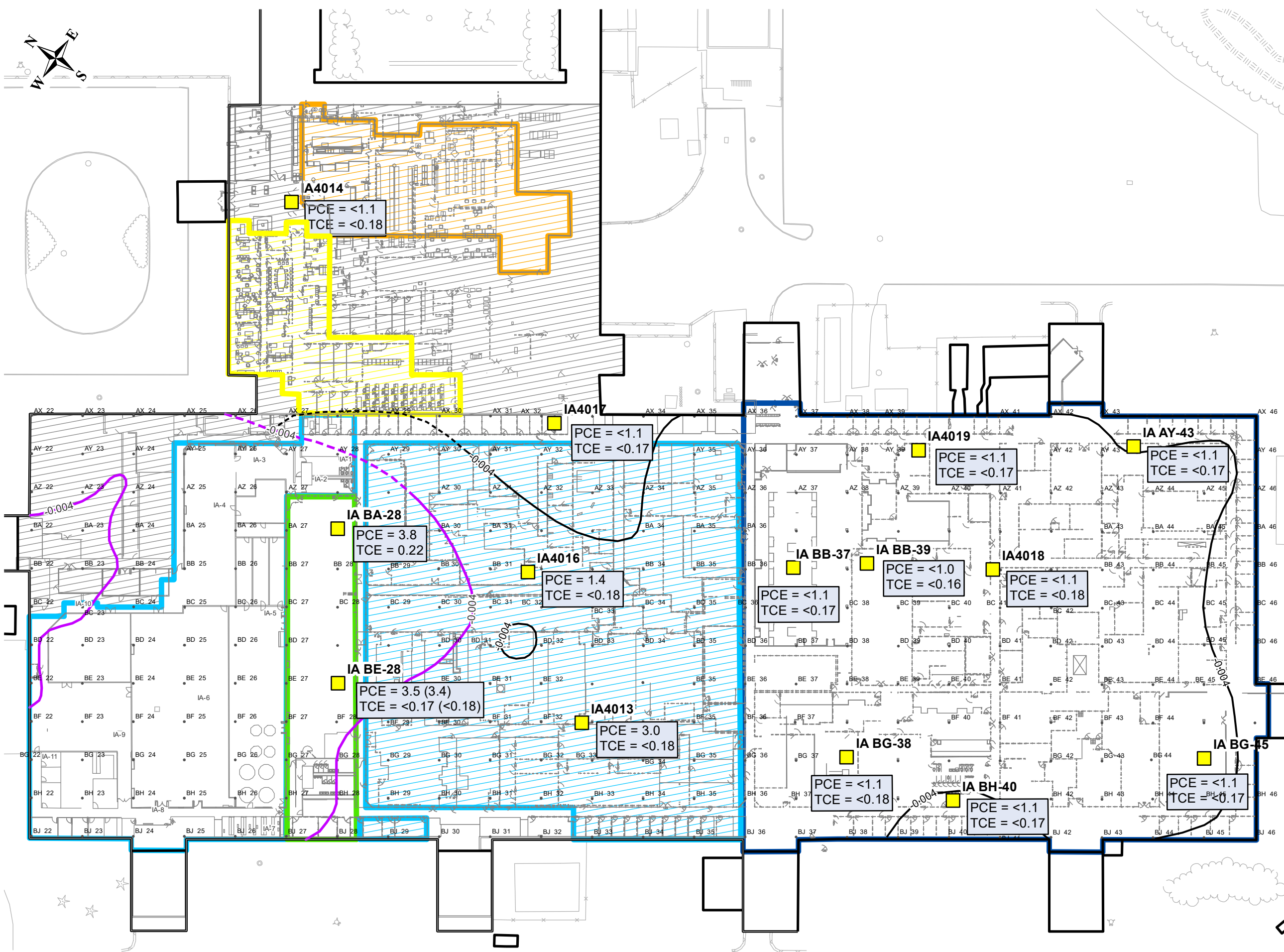


Figure 5
Summary of PCE and TCE
Concentrations in 8-Hour Indoor
Air Samples

Subslab Depressurization Completion
and Startup Report - Building 330D
Central and South System

Former IBM East Fishkill Facility
Hopewell Junction, New York

Drawn By: E. Wright
Designed By: C. Murphy
Reviewed By: D. Shea
Project No: 2999.19
Date: November 2020

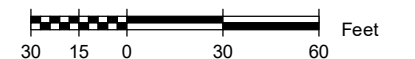
Figure Narrative

This figure shows tetrachloroethene (PCE) and trichloroethene (TCE) results for indoor air samples collected in Building 330D on September 29, 2020 while the SSD system was operating. The samples were collected as approximately 8-hour time-weighted average samples using 6-L SUMMA canisters. Results are shown in micrograms per cubic meter ($\mu\text{g}/\text{m}^3$). Refer to Appendix C of this report for the full list of sampling results.

Refer to previous figures for additional notes and legend.

Legend

- Indoor Air Location
- Tetrachloroethene (PCE) sample result ($\mu\text{g}/\text{m}^3$)
- Trichloroethene (TCE) sample result ($\mu\text{g}/\text{m}^3$)
- () Indicates field duplicate



APPENDIX B
INDOOR AIR QUALITY QUESTIONNAIRE/BUILDING INVENTORY

Sprout
Green
0118.41NEW 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 Marri Wright Date/Time Prepared 14:00 / 5-6-21Preparer's Affiliation Project Scientist Phone No. 845Purpose of Investigation Collection of indoor air samples

1. OCCUPANT:

Interviewed: ☒ Y ☐ NLast Name: Montefusco First Name: ShawnAddress: iPark East Fishkill LLCCounty: DutchessCell Home Phone: (845) 705-4003 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
IndustrialSchool
ChurchCommercial/Multi-use
Other: _____

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

Ranch
Raised Ranch
Cape Cod
Duplex
Modular

2-Family
Split Level
Contemporary
Apartment House
Log Home

3-Family
Colonial
Mobile Home
Townhouses/Condos
Other: N/A

If multiple units, how many? N/A

If the property is commercial, type?

Business Type(s) Commercial Bakery

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

Other characteristics:

Number of floors 1

Building age 1980's

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

N/A

Infiltration into air ducts

moderate N/A KN

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

- a. Above grade construction: wood frame concrete stone brick
- b. Basement type: full crawlspace slab other N/A
- c. Basement floor: concrete dirt stone other N/A
- d. Basement floor: uncovered covered covered with N/A
- e. Concrete floor: unsealed sealed sealed with _____
- f. Foundation walls: poured block stone other N/A
- g. Foundation walls: unsealed sealed sealed with _____
- h. The basement is: 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: _____ (feet) lowest level on grade

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

N/A

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)

<u>Hot air circulation</u>	Heat pump	Hot water baseboard	
Space Heaters	Stream radiation	Radiant floor	
Electric baseboard	Wood stove	Outdoor wood boiler	Other _____

The primary type of fuel used is:

Natural Gas	Fuel Oil	Kerosene
Electric	Propane	Solar
Wood	Coal	

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

1st Floor

midway dental, sprout creek, crepini

2nd Floor

cafeteria

3rd Floor

4th Floor

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? _____

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? throughout space
- k. Is there new carpet, drapes or other textiles? Y / ☒ N Where & When? _____
- 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: coming from floor sealant applied earlier in week

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? _____

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)
 Yes, use dry-cleaning infrequently (monthly or less)
 Yes, work at a dry-cleaning service

No
☒ Unknown

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: _____

Global Foundation

10. RELOCATION INFORMATION (for oil spill residential emergency)

a. Provide reasons why relocation is recommended: _____

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 Work Plan

First Floor:

See Work Plan

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 Workplan

Make & Model of field instrument used: PID Minikaze 3000

[illegible]

**** 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 – May 6, 2021
Former IBM East Fishkill Facility – Building 710 (330 Link)
SPROUT CREEK BAKERY



Photo #1: Sikaflex Was Being Used Throughout Open Tenant Space



Photo #2: Box of Sikaflex

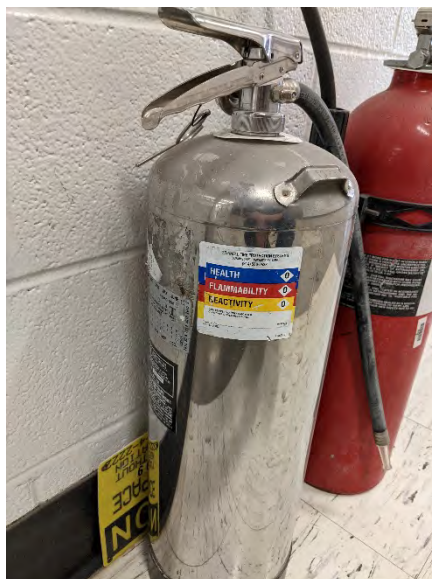


Photo #3: Fire Extinguishers Near Column AN31

**SECTION 1. IDENTIFICATION**

Product name : Sikaflex®-15 LM

Company name : Sika Corporation
201 Polito Avenue
Lyndhurst, NJ 07071
USA
www.sikausa.com

Telephone : (201) 933-8800

Telefax : (201) 804-1076

E-mail address : ehs@sika-corp.com

Emergency telephone : CHEMTREC: 800-424-9300
INTERNATIONAL: +1-703-527-3887

Recommended use of the chemical and restrictions on use : For further information, refer to product data sheet.

SECTION 2. HAZARDS IDENTIFICATION**GHS classification in accordance with the OSHA Hazard Communication Standard (29 CFR 1910.1200)**

Skin sensitization : Category 1

Carcinogenicity (Inhalation) : Category 1A

Specific target organ toxicity - repeated exposure (Inhalation) : Category 2

GHS label elements

Hazard pictograms : 

Signal Word : Danger

Hazard Statements : H317 May cause an allergic skin reaction.
H350 May cause cancer by inhalation.
H373 May cause damage to organs through prolonged or repeated exposure if inhaled.

Precautionary Statements : **Prevention:**



P201 Obtain special instructions before use.
 P202 Do not handle until all safety precautions have been read and understood.
 P260 Do not breathe dust/ fume/ gas/ mist/ vapors/ spray.
 P272 Contaminated work clothing must not be allowed out of the workplace.
 P280 Wear protective gloves/ protective clothing/ eye protection/ face protection.

Response:

P302 + P352 IF ON SKIN: Wash with plenty of soap and water.
 P308 + P313 IF exposed or concerned: Get medical advice/ attention.
 P333 + P313 If skin irritation or rash occurs: Get medical advice/ attention.
 P362 + P364 Take off contaminated clothing and wash it before reuse.

Storage:

P405 Store locked up.

Disposal:

P501 Dispose of contents/ container to an approved waste disposal plant.

Additional Labeling

There are no ingredients with unknown acute toxicity used in a mixture at a concentration $\geq 1\%$.

Other hazards

Intentional misuse by deliberate concentration and inhalation of vapor may be harmful or fatal.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS
Mixtures**Components**

Chemical name	CAS-No.	Classification	Concentration (% w/w)
xylene	1330-20-7	Flam. Liq. 3; H226 Acute Tox. 4; H332 Acute Tox. 4; H312 Skin Irrit. 2; H315 Eye Irrit. 2A; H319 STOT SE 3; H335 STOT RE 2; H373 Asp. Tox. 1; H304	$\geq 1 - < 5$
Isophoronedialdimine	932742-30-8	Skin Sens. 1B; H317	$\geq 1 - < 5$
ethylbenzene	100-41-4	Flam. Liq. 2; H225 Acute Tox. 4; H332 Carc. 2; H351 STOT RE 2; H373 Asp. Tox. 1; H304	$\geq 0.1 - < 1$



Quartz (SiO ₂)	14808-60-7	Eye Irrit. 2A; H319 Carc. 1A; H350i STOT RE 1; H372 STOT SE 3; H335	>= 0.1 - < 1
Pentamethyl piperidylsebacate	41556-26-7	Skin Sens. 1A; H317	>= 0.1 - < 1

Actual concentration is withheld as a trade secret

SECTION 4. FIRST AID MEASURES

- General advice : Move out of dangerous area.
Consult a physician.
Show this material safety data sheet to the doctor in attendance.
- If inhaled : Move to fresh air.
Consult a physician after significant exposure.
- In case of skin contact : Take off contaminated clothing and shoes immediately.
Wash off with soap and plenty of water.
If symptoms persist, call a physician.
- In case of eye contact : Remove contact lenses.
Keep eye wide open while rinsing.
If eye irritation persists, consult a specialist.
- If swallowed : Clean mouth with water and drink afterwards plenty of water.
Do not induce vomiting without medical advice.
Do not give milk or alcoholic beverages.
Never give anything by mouth to an unconscious person.
Obtain medical attention.
- Most important symptoms and effects, both acute and delayed : sensitizing effects
Allergic reactions
May cause an allergic skin reaction.
May cause cancer by inhalation.
May cause damage to organs through prolonged or repeated exposure if inhaled.
- Notes to physician : Treat symptomatically.

SECTION 5. FIRE-FIGHTING MEASURES

- Suitable extinguishing media : Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.
- Further information : Collect contaminated fire extinguishing water separately. This must not be discharged into drains.
Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.
- Special protective equipment for fire-fighters : In the event of fire, wear self-contained breathing apparatus.



SECTION 6. ACCIDENTAL RELEASE MEASURES

- Personal precautions, protective equipment and emergency procedures : Use personal protective equipment.
Deny access to unprotected persons.
- Environmental precautions : Do not flush into surface water or sanitary sewer system.
Local authorities should be advised if significant spillages cannot be contained.
- Methods and materials for containment and cleaning up : Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust).
Keep in suitable, closed containers for disposal.

SECTION 7. HANDLING AND STORAGE

- Advice on protection against fire and explosion : Normal measures for preventive fire protection.
- Advice on safe handling : Avoid exceeding the given occupational exposure limits (see section 8).
Do not get in eyes, on skin, or on clothing.
For personal protection see section 8.
Persons with a history of skin sensitization problems or asthma, allergies, chronic or recurrent respiratory disease should not be employed in any process in which this mixture is being used.
Smoking, eating and drinking should be prohibited in the application area.
Follow standard hygiene measures when handling chemical products.
- Conditions for safe storage : Store in original container.
Keep container tightly closed in a dry and well-ventilated place.
Observe label precautions.
Store in accordance with local regulations.

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION
Ingredients with workplace control parameters

Components	CAS-No.	Value type (Form of exposure)	Control parameters / Permissible concentration	Basis
xylene	1330-20-7	TWA	100 ppm 435 mg/m ³	OSHA Z-1
		TWA	100 ppm 435 mg/m ³	OSHA Z-1
		TWA	100 ppm	ACGIH



		STEL	150 ppm	ACGIH
		STEL	150 ppm 655 mg/m ³	OSHA P0
		TWA	100 ppm 435 mg/m ³	OSHA P0
ethylbenzene	100-41-4	TWA	100 ppm 435 mg/m ³	OSHA Z-1
		TWA	100 ppm 435 mg/m ³	OSHA P0
		STEL	125 ppm 545 mg/m ³	OSHA P0
Quartz (SiO ₂)	14808-60-7	TWA (Respirable particulate matter)	0.025 mg/m ³	ACGIH
		TWA (Respirable dust)	0.05 mg/m ³	OSHA Z-1
		TWA (respirable)	10 mg/m ³ / %SiO ₂ +2	OSHA Z-3
		TWA (respirable)	250 mppcf / %SiO ₂ +5	OSHA Z-3
		TWA (respirable dust fraction)	0.1 mg/m ³	OSHA P0
		TWA (Respirable particulate matter)	0.025 mg/m ³ (Silica)	ACGIH
		TWA (respirable dust fraction)	0.1 mg/m ³	OSHA P0
		TWA (Respirable particulate matter)	0.025 mg/m ³	ACGIH
		TWA (Respirable particulate matter)	0.025 mg/m ³ (Silica)	ACGIH

The above constituents are the only constituents of the product which have a PEL, TLV or other recommended exposure limit. At this time, the other constituents have no known exposure limits.

Engineering measures : Use of adequate ventilation should be sufficient to control worker exposure to airborne contaminants. If the use of this product generates dust, fumes, gas, vapor or mist, use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure below any recommended or statutory limits.

Personal protective equipment

Respiratory protection : Use a properly fitted NIOSH approved air-purifying or air-fed respirator complying with an approved standard if a risk as-



assessment indicates this is necessary.

The filter class for the respirator must be suitable for the maximum expected contaminant concentration (gas/vapor/aerosol/particulates) that may arise when handling the product. If this concentration is exceeded, self-contained breathing apparatus must be used.

Hand protection	:	Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary.
Eye protection	:	Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary.
Skin and body protection	:	Choose body protection in relation to its type, to the concentration and amount of dangerous substances, and to the specific work-place.
Hygiene measures	:	Avoid contact with skin, eyes and clothing. Wash hands before breaks and immediately after handling the product. Remove contaminated clothing and protective equipment before entering eating areas. Wash thoroughly after handling.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	:	paste
Color	:	various
Odor	:	aromatic
Odor Threshold	:	No data available
pH	:	Not applicable
Melting point/range / Freezing point	:	No data available
Boiling point/boiling range	:	No data available
Flash point	:	Not applicable
Evaporation rate	:	No data available
Flammability (solid, gas)	:	No data available
Upper explosion limit / Upper flammability limit	:	No data available
Lower explosion limit / Lower	:	No data available



flammability limit

Vapor pressure : 0.01 hpa

Relative vapor density : No data available

Density : ca. 1.36 g/cm³ (68 °F / 20 °C)

Solubility(ies)

Water solubility : insoluble

Solubility in other solvents : No data available

Partition coefficient: n-octanol/water : No data available

Autoignition temperature : No data available

Decomposition temperature : No data available

Viscosity

Viscosity, dynamic : No data available

Viscosity, kinematic : > 20.5 mm²/s (104 °F / 40 °C)

Explosive properties : No data available

Oxidizing properties : No data available

Volatile organic compounds (VOC) content : 33 g/l

SECTION 10. STABILITY AND REACTIVITY

Reactivity : No dangerous reaction known under conditions of normal use.

Chemical stability : The product is chemically stable.

Possibility of hazardous reactions : Stable under recommended storage conditions.

Conditions to avoid : No data available

Incompatible materials : No data available

Hazardous decomposition products : No decomposition if stored and applied as directed.

SECTION 11. TOXICOLOGICAL INFORMATION**Acute toxicity**

Not classified based on available information.

**Components:****xylene:**

Acute oral toxicity : LD50 Oral (Rat): 3,523 mg/kg

Acute dermal toxicity : LD50 Dermal (Rabbit): 1,700 mg/kg

Isophoronedialdimine:

Acute oral toxicity : LD50 Oral (Rat): > 2,000 mg/kg

Acute dermal toxicity : LD50 Dermal (Rabbit): > 2,000 mg/kg

ethylbenzene:

Acute oral toxicity : LD50 Oral (Rat): 3,500 mg/kg

Acute dermal toxicity : LD50 Dermal (Rabbit): 5,510 mg/kg

Skin corrosion/irritation

Not classified based on available information.

Serious eye damage/eye irritation

Not classified based on available information.

Respiratory or skin sensitization**Skin sensitization**

May cause an allergic skin reaction.

Respiratory sensitization

Not classified based on available information.

Germ cell mutagenicity

Not classified based on available information.

Carcinogenicity

May cause cancer by inhalation.

IARC	Group 1: Carcinogenic to humans	
	Quartz (SiO ₂)	14808-60-7
	(Silica dust, crystalline)	
	Group 2B: Possibly carcinogenic to humans	
	titanium dioxide	13463-67-7
	Group 2B: Possibly carcinogenic to humans	
	Carbon black	1333-86-4
	Group 2B: Possibly carcinogenic to humans	
	ethylbenzene	100-41-4
OSHA	OSHA specifically regulated carcinogen	
	Quartz (SiO ₂)	14808-60-7
	(crystalline silica)	
NTP	Known to be human carcinogen	
	Quartz (SiO ₂)	14808-60-7



(Silica, Crystalline (Respirable Size))

Reproductive toxicity

Not classified based on available information.

STOT-single exposure

Not classified based on available information.

STOT-repeated exposure

May cause damage to organs through prolonged or repeated exposure if inhaled.

Once sensitized, a severe allergic reaction may occur when subsequently exposed to very low levels.

Aspiration toxicity

Not classified based on available information.

Further information**Product:**

Remarks

: Carbon black (1333-86-4)

Animal Toxicity:

Rat, oral, duration 2 year

Effect: no tumors

Mouse, oral, duration 2 years

Effect: no tumors

Mouse, dermal, duration 18 months

Effect: no skin tumors

Rat, inhalation, duration 2 years

Target organ: lungs

Effect: inflammation, fibrosis, tumors

Note: Tumors in the rat lung are considered to be related to the "particle overload phenomenon" rather than to a specific chemical effect of carbon black itself in the lung. These effects in rats have been reported in many studies on other poorly soluble inorganic particles and appear to be rat specific. Tumors have not been observed in other species (i.e., mouse and hamster) for carbon black or other poorly soluble particles under similar circumstances and study conditions. Mortality studies (human data): A study on carbon black production workers in the UK (Sorahan, 2001) found an increased risk of lung cancer in two of the five plants studied; however, the increase was not related to the dose of carbon black. Thus, the authors did not consider the increased risk in lung cancer to be due to carbon black exposure. A German study of carbon black workers at one plant (Morfeld, 2006; Buechte, 2006) found a similar increase in lung cancer risk but, like the Sorahan, 2001 (UK study) found no association with carbon black exposure. A large US study of 18 plants showed a reduction in lung cancer risk in carbon black production workers (DEll, 2006). Based upon these studies, the February 2006 Working Group at the International Agency for Research on Cancer (IARC) concluded that the human evidence for carcinogenicity was inadequate (IARC, 2010). Since the IARC evaluation of carbon black, Sorahan and Har-



rington (2007) have re-analyzed the UK study data using an alternative exposure hypothesis and found a positive association with carbon black exposure in two of the five plants. The same exposure hypothesis was applied by Morfeld and McCunney (2009) to the German cohort; in contrast, they found no association between carbon black exposure and lung cancer risk and, thus, no support for the alternative exposure hypothesis used by Sorahan and Harrington.

Overall, as a result of these detailed investigations, no causative link between carbon black exposure and cancer risk in humans has been demonstrated.

IARC CANCER CLASSIFICATION: In 2006 IARC re-affirmed its 1995 finding that there is "inadequate evidence" from human health studies to assess whether carbon black causes cancer in humans. IARC concluded that there is "sufficient evidence" in experimental animal studies for the carcinogenicity of carbon black. IARC's overall evaluation is that carbon black is "possibly carcinogenic to humans" (Group 2B)". This conclusion was based on IARC's guidelines, which generally require such a classification if one species exhibits carcinogenicity in two or more animal studies (IARC, 2010).

Solvent extracts of carbon black were used in one study of rats in which skin tumors were found after dermal application and several studies of mice in which sarcomas were found following subcutaneous injection. IARC concluded that there was "sufficient evidence" that carbon black extracts can cause cancer in animals (Group 2B).

ICGIH CANCER CLASSIFICATION: Confirmed Animal Carcinogen with Unknown Relevance to Humans (Category A3 Carcinogen).

ASSESSMENT: Applying the guidelines of self-classification under the Globally Harmonized System of Classification and Labeling of Chemicals, carbon black is not classified as a carcinogen. Lung tumors are induced in rats as a result of repeated exposure to inert, poorly soluble particles like carbon black and other poorly soluble particles. Rats tumors are a result of a secondary non-genotoxic mechanism that has questionable relevance for classification in humans. In support of this opinion, the CLP Guidance for Specific Target Organ Toxicity - Repeated Exposure (STOT-RE), cites lung overload under mechanisms not relevant to humans. Human health studies show that exposure to carbon black does not increase the risk to carcinogenicity.

Titanium dioxide (13463-67-7)

In lifetime inhalation studies of rats, airborne respirable-size titanium dioxide particles have shown to cause an increase in lung tumors at concentrations associated with substantial particle lung burdens and consequential pulmonary overload and inflammation. The potential for these adverse health effects appears to be closely related to the particle size and the amount of the exposed surface area that comes into contact



with the lung. However, tests with other laboratory animals such as mice and hamsters, indicate that rats are significantly more susceptible to the pulmonary overload and inflammation that causes lung cancer. Epidemiological studies do not suggest an increased risk of cancer in humans from occupational exposure to titanium dioxide. Titanium dioxide has been characterized by IARC as possibly carcinogenic to humans (Group 2B) through inhalation (not ingestion). It has not been characterized as a potential carcinogen by either NTP or OSHA.

Quartz (14808-60-7): This classification is relevant when exposed to Quartz (silicon dioxide) in dust or powder form only, including cured product that is subject to sanding, grinding, cutting, or other surface preparation activities.

SECTION 12. ECOLOGICAL INFORMATION

Ecotoxicity

Components:

Isophoronedialdimine:

Toxicity to fish : LC50 (Fish): 87.2 mg/l
Exposure time: 96 h

Toxicity to daphnia and other : EC50 (Daphnia): > 100 mg/l
aquatic invertebrates Exposure time: 48 h

Toxicity to algae/aquatic : EC50 (Desmodesmus subspicatus (green algae)): 180.4 mg/l
plants Exposure time: 72 h

ethylbenzene:

Persistence and degradability

No data available

Bioaccumulative potential

No data available

Mobility in soil

No data available

Other adverse effects

Product:

Additional ecological information : Do not empty into drains; dispose of this material and its container in a safe way.
Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.



SECTION 13. DISPOSAL CONSIDERATIONS**Disposal methods**

- Waste from residues : Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements.
- Contaminated packaging : Empty containers should be taken to an approved waste handling site for recycling or disposal.

SECTION 14. TRANSPORT INFORMATION**International Regulations****IATA-DGR**

Not regulated as a dangerous good

IMDG-Code

Not regulated as a dangerous good

Domestic regulation**49 CFR**

Not regulated as a dangerous good

SECTION 15. REGULATORY INFORMATION

- TSCA list** : All chemical substances in this product are either listed on the TSCA Inventory or are in compliance with a TSCA Inventory exemption.

EPCRA - Emergency Planning and Community Right-to-Know**CERCLA Reportable Quantity**

This material does not contain any components with a CERCLA RQ.

SARA 304 Extremely Hazardous Substances Reportable Quantity

This material does not contain any components with a section 304 EHS RQ.

SARA 302 Extremely Hazardous Substances Threshold Planning Quantity

This material does not contain any components with a section 302 EHS TPQ.

- SARA 311/312 Hazards** : Respiratory or skin sensitization
Carcinogenicity
Specific target organ toxicity (single or repeated exposure)

- SARA 313** : The following components are subject to reporting levels established by SARA Title III, Section 313:

xylene	1330-20-7	>= 1 - < 5 %
ethylbenzene	100-41-4	>= 0.1 - < 1 %

**Clean Air Act**

The following chemical(s) are listed as HAP under the U.S. Clean Air Act, Section 112 (40 CFR 61):
xylene 1330-20-7 $\geq 1 - < 5 \%$

California Prop 65

WARNING: Cancer and Reproductive Harm -
www.P65Warnings.ca.gov

SECTION 16. OTHER INFORMATION**Full text of other abbreviations**

ACGIH	:	USA. ACGIH Threshold Limit Values (TLV)
OSHA P0	:	USA. OSHA - TABLE Z-1 Limits for Air Contaminants - 1910.1000
OSHA Z-1	:	USA. Occupational Exposure Limits (OSHA) - Table Z-1 Limits for Air Contaminants
OSHA Z-3	:	USA. Occupational Exposure Limits (OSHA) - Table Z-3 Mineral Dusts
ACGIH / TWA	:	8-hour, time-weighted average
ACGIH / STEL	:	Short-term exposure limit
OSHA P0 / TWA	:	8-hour time weighted average
OSHA P0 / STEL	:	Short-term exposure limit
OSHA Z-1 / TWA	:	8-hour time weighted average
OSHA Z-3 / TWA	:	8-hour time weighted average

Notes to Reader

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Revision Date 09/04/2020

100000004486
US / Z8

APPENDIX C
PHOTOGRAPHIC LOG OF SAMPLING LOCATIONS

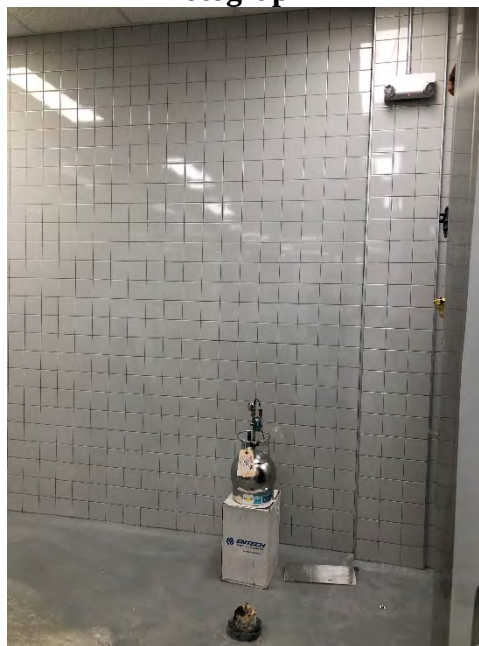
Building 710 (330 Link) Sprout Creek Bakery
Site Photographs – May 6, 2021

Photograph #1



Sample Location SCIA-01,
Inside Entrance from Lobby

Photograph #2



Sample Location SCIA-02,
Sinks Area

Photograph #3



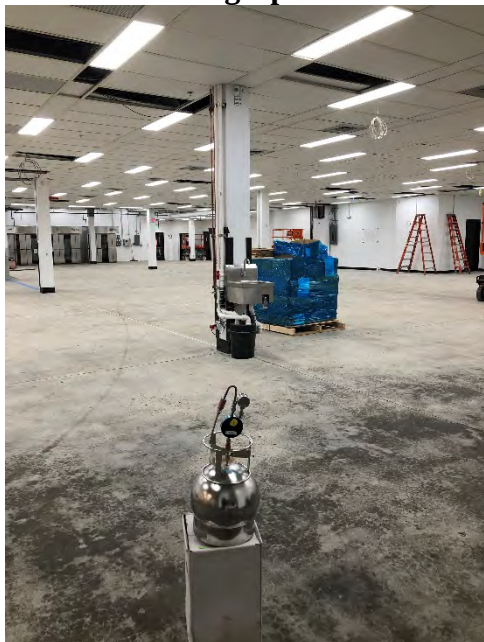
Sample Location SCIA-03,
Conveyor Area

Photograph #4



Sample Location SCIA-04 and SC-Dup,
Production Area

Photograph #5



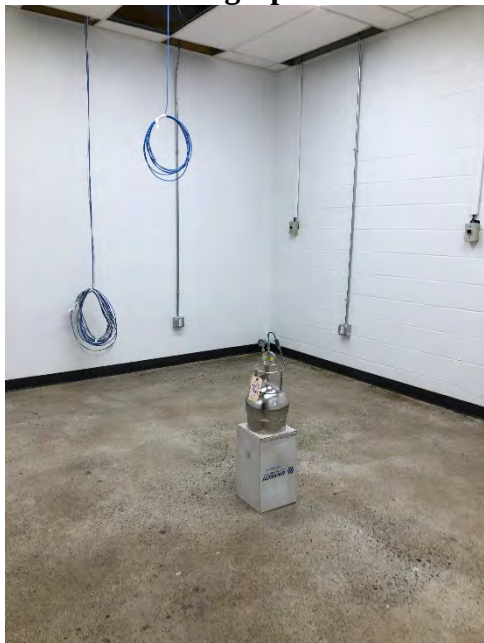
Sample Location SCIA-05,
Production Area

Photograph #6



Sample Location SCIA-06/SCSSV-06,
Near Walk-In Box

Photograph #7



Sample Location SCIA-07,
Office

Photograph #8



Sample Location SCIA-08/SCSSV-08,
Electrical Closet

APPENDIX D
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
SPROUT CREEK

GCI26486

Ver 1

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NY ANALYTICAL SERVICES PROTOCOL DATA PACKAGE

Environmental Business Consultants
215 EAST 124TH ST NY NY

GCI51166

Ver 1



Thursday, July 08, 2021

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

Project ID: SPROUT CREEK
SDG ID: GCI26486
Sample ID#s: CI26486 - CI26498

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.

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: SPROUT CREEK
Laboratory Project: GCI26486



Environmental Laboratories, Inc.
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NY Analytical Services Protocol Format

July 08, 2021

SDG I.D.: GCI26486

Walden Environmental Engineering PLLC SPROUT CREEK

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.



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NY Analytical Services Protocol Format

July 08, 2021

SDG I.D.: GCI26486

Walden Environmental Engineering PLLC SPROUT CREEK

Laboratory Chronicle

Sample	Analysis	Collection Date	Prep Date	Analysis Date	Analyst	Hold Time Met
CI26486	Volatiles (TO15)	05/06/21	05/08/21	05/08/21	KCA	Y
CI26487	Volatiles (TO15)	05/06/21	05/10/21	05/10/21	KCA	Y
CI26488	Volatiles (TO15)	05/06/21	05/08/21	05/08/21	KCA	Y
CI26489	Volatiles (TO15)	05/06/21	05/10/21	05/10/21	KCA	Y
CI26490	Volatiles (TO15)	05/06/21	05/10/21	05/10/21	KCA	Y
CI26491	Volatiles (TO15)	05/06/21	05/08/21	05/08/21	KCA	Y
CI26492	Volatiles (TO15)	05/06/21	05/10/21	05/10/21	KCA	Y
CI26493	Volatiles (TO15)	05/06/21	05/10/21	05/10/21	KCA	Y
CI26494	Volatiles (TO15)	05/06/21	05/10/21	05/10/21	KCA	Y
CI26495	Volatiles (TO15)	05/06/21	05/10/21	05/10/21	KCA	Y
CI26496	Volatiles (TO15)	05/06/21	05/10/21	05/10/21	KCA	Y
CI26497	Volatiles (TO15)	05/06/21	05/10/21	05/10/21	KCA	Y
CI26498	Volatiles (TO15)	05/06/21	05/10/21	05/10/21	KCA	Y



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



Sample Id Cross Reference

July 08, 2021

SDG I.D.: GCI26486

Project ID: SPROUT CREEK

Client Id	Lab Id	Matrix
SCIA-01	CI26486	AIR
SCIA-02	CI26487	AIR
SCIA-03	CI26488	AIR
SCIA-04	CI26489	AIR
SCIA-05	CI26490	AIR
SCIA-06	CI26491	AIR
SCIA-07	CI26492	AIR
SCIA-08	CI26493	AIR
SC-DUP	CI26494	AIR
SC-FB	CI26495	AIR
SCSSV-06	CI26496	AIR
SCSSV-08	CI26497	AIR
SCAA-01	CI26498	AIR



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



Analysis Report

July 08, 2021

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

Sample Information

Matrix: AIR
Location Code: WALDENE-IPARK
Rush Request: Standard
P.O.#:
Canister Id: 28595

Custody Information

Collected by: KAW
Received by: LB
Analyzed by: see "By" below

Date

05/06/21 16:16
05/07/21 16:10

Time

Project ID: SPROUT CREEK
Client ID: SCIA-01

Laboratory Data

SDG ID: GCI26486
Phoenix ID: CI26486

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	05/08/21	KCA	1
1,1-Dichloroethene	ND	0.050	0.050	ND	0.20	0.20	05/08/21	KCA	1
1,2,4-Trichlorobenzene	ND	0.250	0.250	ND	1.85	1.85	05/08/21	KCA	1
1,2-Dichlorobenzene	ND	0.150	0.150	ND	0.90	0.90	05/08/21	KCA	1
1,3-Dichlorobenzene	ND	0.150	0.150	ND	0.90	0.90	05/08/21	KCA	1
1,4-Dichlorobenzene	ND	0.150	0.150	ND	0.90	0.90	05/08/21	KCA	1
Acetone	3.37	1.00	1.00	8.00	2.37	2.37	05/08/21	KCA	1
Benzene	ND	0.050	0.050	ND	0.16	0.16	05/08/21	KCA	1
Carbon Tetrachloride	0.086	0.020	0.020	0.54	0.13	0.13	05/08/21	KCA	1
Chlorobenzene	ND	0.200	0.200	ND	0.92	0.92	05/08/21	KCA	1
Cis-1,2-Dichloroethene	ND	0.050	0.050	ND	0.20	0.20	05/08/21	KCA	1
Dichlorodifluoromethane	0.400	0.200	0.200	1.98	0.99	0.99	05/08/21	KCA	1
Ethylbenzene	13.4	0.150	0.150	58.2	0.65	0.65	05/08/21	KCA	1
m,p-Xylene	47.9	0.150	0.150	208	0.65	0.65	05/08/21	KCA	1
Methylene Chloride	0.462	0.400	0.400	1.60	1.39	1.39	05/08/21	KCA	1
o-Xylene	10.0	0.150	0.150	43.4	0.65	0.65	05/08/21	KCA	1
Tetrachloroethene	ND	0.100	0.100	ND	0.68	0.68	05/08/21	KCA	1
Toluene	0.422	0.200	0.200	1.59	0.75	0.75	05/08/21	KCA	1
Trichloroethene	ND	0.037	0.037	ND	0.20	0.20	05/08/21	KCA	1
Trichlorofluoromethane	0.407	0.150	0.150	2.29	0.84	0.84	05/08/21	KCA	1
Trichlorotrifluoroethane	ND	0.150	0.150	ND	1.15	1.15	05/08/21	KCA	1
Vinyl Chloride	ND	0.020	0.020	ND	0.05	0.05	05/08/21	KCA	1
<u>QA/QC Surrogates/Internals</u>									
% Bromofluorobenzene	104	%	%	104	%	%	05/08/21	KCA	1
% IS-1,4-Difluorobenzene	94	%	%	94	%	%	05/08/21	KCA	1
% IS-Bromochloromethane	95	%	%	95	%	%	05/08/21	KCA	1

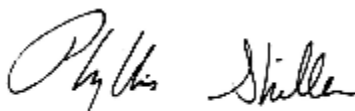
Parameter	ppbv Result	ppbv RL	LOD/ MDL	ug/m3 Result	ug/m3 RL	LOD/ MDL	Date/Time	By	Dilution
% IS-Chlorobenzene-d5	94	%	%	94	%	%	05/08/21	KCA	1

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

July 08, 2021

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

July 08, 2021

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

Sample Information

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

Custody Information

Collected by: KAW
Received by: LB
Analyzed by: see "By" below

Date

05/06/21 15:19
05/07/21 16:10

Time

Project ID: SPROUT CREEK
Client ID: SCIA-02

Laboratory Data

SDG ID: GCI26486
Phoenix ID: CI26487

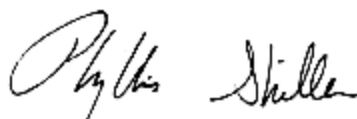
Parameter	ppbv Result	ppbv RL	LOD/ MDL	ug/m3 Result	ug/m3 RL	LOD/ MDL	Date/Time	By	Dilution
<u>Volatiles (TO15)</u>									
1,1,1-Trichloroethane	ND	0.200	0.200	ND	1.09	1.09	05/08/21	KCA	1
1,1-Dichloroethene	ND	0.050	0.050	ND	0.20	0.20	05/08/21	KCA	1
1,2,4-Trichlorobenzene	ND	0.250	0.250	ND	1.85	1.85	05/08/21	KCA	1
1,2-Dichlorobenzene	ND	0.150	0.150	ND	0.90	0.90	05/08/21	KCA	1
1,3-Dichlorobenzene	ND	0.150	0.150	ND	0.90	0.90	05/08/21	KCA	1
1,4-Dichlorobenzene	ND	0.150	0.150	ND	0.90	0.90	05/08/21	KCA	1
Acetone	2.85	1.00	1.00	6.77	2.37	2.37	05/08/21	KCA	1
Benzene	0.051	0.050	0.050	0.16	0.16	0.16	05/08/21	KCA	1
Carbon Tetrachloride	0.082	0.020	0.020	0.52	0.13	0.13	05/08/21	KCA	1
Chlorobenzene	ND	0.200	0.200	ND	0.92	0.92	05/08/21	KCA	1
Cis-1,2-Dichloroethene	ND	0.050	0.050	ND	0.20	0.20	05/08/21	KCA	1
Dichlorodifluoromethane	0.393	0.200	0.200	1.94	0.99	0.99	05/08/21	KCA	1
Ethylbenzene	29.0	0.150	0.150	126	0.65	0.65	05/08/21	KCA	1
m,p-Xylene	102	0.750	0.750	443	3.25	3.25	05/10/21	KCA	5
Methylene Chloride	0.441	0.400	0.400	1.53	1.39	1.39	05/08/21	KCA	1
o-Xylene	22.5	0.150	0.150	97.6	0.65	0.65	05/08/21	KCA	1
Tetrachloroethene	ND	0.100	0.100	ND	0.68	0.68	05/08/21	KCA	1
Toluene	0.506	0.200	0.200	1.91	0.75	0.75	05/08/21	KCA	1
Trichloroethene	ND	0.037	0.037	ND	0.20	0.20	05/08/21	KCA	1
Trichlorofluoromethane	0.387	0.150	0.150	2.17	0.84	0.84	05/08/21	KCA	1
Trichlorotrifluoroethane	ND	0.150	0.150	ND	1.15	1.15	05/08/21	KCA	1
Vinyl Chloride	ND	0.020	0.020	ND	0.05	0.05	05/08/21	KCA	1
<u>QA/QC Surrogates/Internals</u>									
% Bromofluorobenzene	105	%	%	105	%	%	05/08/21	KCA	1
% IS-1,4-Difluorobenzene	92	%	%	92	%	%	05/08/21	KCA	1
% IS-Bromochloromethane	96	%	%	96	%	%	05/08/21	KCA	1

Parameter	ppbv Result	ppbv RL	LOD/ MDL	ug/m3 Result	ug/m3 RL	LOD/ MDL	Date/Time	By	Dilution
% IS-Chlorobenzene-d5	93	%	%	93	%	%	05/08/21	KCA	1
% Bromofluorobenzene (5x)	100	%	%	100	%	%	05/10/21	KCA	5
% IS-1,4-Difluorobenzene (5x)	78	%	%	78	%	%	05/10/21	KCA	5
% IS-Bromochloromethane (5x)	76	%	%	76	%	%	05/10/21	KCA	5
% IS-Chlorobenzene-d5 (5x)	78	%	%	78	%	%	05/10/21	KCA	5

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

July 08, 2021

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

July 08, 2021

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

Sample Information

Matrix: AIR
Location Code: WALDENE-IPARK
Rush Request: Standard
P.O.#:
Canister Id: 19786

Custody Information

Collected by: KAW
Received by: LB
Analyzed by: see "By" below

Date

05/06/21 15:56
05/07/21 16:10

Time

Project ID: SPROUT CREEK
Client ID: SCIA-03

Laboratory Data

SDG ID: GCI26486
Phoenix ID: CI26488

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	05/08/21	KCA	1
1,1-Dichloroethene	ND	0.050	0.050	ND	0.20	0.20	05/08/21	KCA	1
1,2,4-Trichlorobenzene	ND	0.250	0.250	ND	1.85	1.85	05/08/21	KCA	1
1,2-Dichlorobenzene	ND	0.150	0.150	ND	0.90	0.90	05/08/21	KCA	1
1,3-Dichlorobenzene	ND	0.150	0.150	ND	0.90	0.90	05/08/21	KCA	1
1,4-Dichlorobenzene	ND	0.150	0.150	ND	0.90	0.90	05/08/21	KCA	1
Acetone	4.03	1.00	1.00	9.6	2.37	2.37	05/08/21	KCA	1
Benzene	ND	0.050	0.050	ND	0.16	0.16	05/08/21	KCA	1
Carbon Tetrachloride	0.087	0.020	0.020	0.55	0.13	0.13	05/08/21	KCA	1
Chlorobenzene	ND	0.200	0.200	ND	0.92	0.92	05/08/21	KCA	1
Cis-1,2-Dichloroethene	ND	0.050	0.050	ND	0.20	0.20	05/08/21	KCA	1
Dichlorodifluoromethane	0.387	0.200	0.200	1.91	0.99	0.99	05/08/21	KCA	1
Ethylbenzene	13.6	0.150	0.150	59.0	0.65	0.65	05/08/21	KCA	1
m,p-Xylene	50.1	0.150	0.150	217	0.65	0.65	05/08/21	KCA	1
Methylene Chloride	0.444	0.400	0.400	1.54	1.39	1.39	05/08/21	KCA	1
o-Xylene	10.2	0.150	0.150	44.3	0.65	0.65	05/08/21	KCA	1
Tetrachloroethene	ND	0.100	0.100	ND	0.68	0.68	05/08/21	KCA	1
Toluene	0.437	0.200	0.200	1.65	0.75	0.75	05/08/21	KCA	1
Trichloroethene	ND	0.037	0.037	ND	0.20	0.20	05/08/21	KCA	1
Trichlorofluoromethane	0.407	0.150	0.150	2.29	0.84	0.84	05/08/21	KCA	1
Trichlorotrifluoroethane	ND	0.150	0.150	ND	1.15	1.15	05/08/21	KCA	1
Vinyl Chloride	ND	0.020	0.020	ND	0.05	0.05	05/08/21	KCA	1
<u>QA/QC Surrogates/Internals</u>									
% Bromofluorobenzene	103	%	%	103	%	%	05/08/21	KCA	1
% IS-1,4-Difluorobenzene	95	%	%	95	%	%	05/08/21	KCA	1
% IS-Bromochloromethane	98	%	%	98	%	%	05/08/21	KCA	1

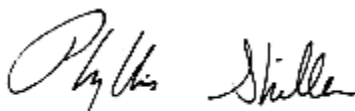
Parameter	ppbv Result	ppbv RL	LOD/ MDL	ug/m3 Result	ug/m3 RL	LOD/ MDL	Date/Time	By	Dilution
% IS-Chlorobenzene-d5	97	%	%	97	%	%	05/08/21	KCA	1

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 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

July 08, 2021

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

July 08, 2021

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

Sample Information

Matrix: AIR
Location Code: WALDENE-IPARK
Rush Request: Standard
P.O.#:
Canister Id: 489

Custody Information

Collected by: KAW
Received by: LB
Analyzed by: see "By" below

Date

05/06/21 15:35
05/07/21 16:10

Time

Project ID: SPROUT CREEK
Client ID: SCIA-04

Laboratory Data

SDG ID: GCI26486
Phoenix ID: CI26489

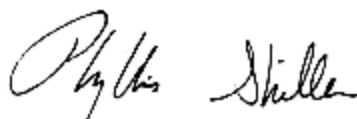
Parameter	ppbv Result	ppbv RL	LOD/ MDL	ug/m3 Result	ug/m3 RL	LOD/ MDL	Date/Time	By	Dilution
<u>Volatiles (TO15)</u>									
1,1,1-Trichloroethane	ND	0.200	0.200	ND	1.09	1.09	05/08/21	KCA	1
1,1-Dichloroethene	ND	0.050	0.050	ND	0.20	0.20	05/08/21	KCA	1
1,2,4-Trichlorobenzene	ND	0.250	0.250	ND	1.85	1.85	05/08/21	KCA	1
1,2-Dichlorobenzene	ND	0.150	0.150	ND	0.90	0.90	05/08/21	KCA	1
1,3-Dichlorobenzene	ND	0.150	0.150	ND	0.90	0.90	05/08/21	KCA	1
1,4-Dichlorobenzene	ND	0.150	0.150	ND	0.90	0.90	05/08/21	KCA	1
Acetone	3.34	1.00	1.00	7.93	2.37	2.37	05/08/21	KCA	1
Benzene	0.050	0.050	0.050	0.16	0.16	0.16	05/08/21	KCA	1
Carbon Tetrachloride	0.078	0.020	0.020	0.49	0.13	0.13	05/08/21	KCA	1
Chlorobenzene	ND	0.200	0.200	ND	0.92	0.92	05/08/21	KCA	1
Cis-1,2-Dichloroethene	ND	0.050	0.050	ND	0.20	0.20	05/08/21	KCA	1
Dichlorodifluoromethane	0.432	0.200	0.200	2.13	0.99	0.99	05/08/21	KCA	1
Ethylbenzene	24.7	0.150	0.150	107	0.65	0.65	05/08/21	KCA	1
m,p-Xylene	85.8	0.750	0.750	372	3.25	3.25	05/10/21	KCA	5
Methylene Chloride	0.606	0.400	0.400	2.10	1.39	1.39	05/08/21	KCA	1
o-Xylene	19.0	0.150	0.150	82.5	0.65	0.65	05/08/21	KCA	1
Tetrachloroethene	ND	0.100	0.100	ND	0.68	0.68	05/08/21	KCA	1
Toluene	0.473	0.200	0.200	1.78	0.75	0.75	05/08/21	KCA	1
Trichloroethene	ND	0.037	0.037	ND	0.20	0.20	05/08/21	KCA	1
Trichlorofluoromethane	0.426	0.150	0.150	2.39	0.84	0.84	05/08/21	KCA	1
Trichlorotrifluoroethane	ND	0.150	0.150	ND	1.15	1.15	05/08/21	KCA	1
Vinyl Chloride	ND	0.020	0.020	ND	0.05	0.05	05/08/21	KCA	1
<u>QA/QC Surrogates/Internals</u>									
% Bromofluorobenzene	105	%	%	105	%	%	05/08/21	KCA	1
% IS-1,4-Difluorobenzene	93	%	%	93	%	%	05/08/21	KCA	1
% IS-Bromochloromethane	94	%	%	94	%	%	05/08/21	KCA	1

Parameter	ppbv Result	ppbv RL	LOD/ MDL	ug/m3 Result	ug/m3 RL	LOD/ MDL	Date/Time	By	Dilution
% IS-Chlorobenzene-d5	93	%	%	93	%	%	05/08/21	KCA	1
% Bromofluorobenzene (5x)	102	%	%	102	%	%	05/10/21	KCA	5
% IS-1,4-Difluorobenzene (5x)	73	%	%	73	%	%	05/10/21	KCA	5
% IS-Bromochloromethane (5x)	72	%	%	72	%	%	05/10/21	KCA	5
% IS-Chlorobenzene-d5 (5x)	76	%	%	76	%	%	05/10/21	KCA	5

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

July 08, 2021

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

July 08, 2021

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

Sample Information

Matrix: AIR
Location Code: WALDENE-IPARK
Rush Request: Standard
P.O.#:
Canister Id: 12859

Custody Information

Collected by: KAW
Received by: LB
Analyzed by: see "By" below

Date

05/06/21 15:35
05/07/21 16:10

Time

Project ID: SPROUT CREEK
Client ID: SCIA-05

Laboratory Data

SDG ID: GCI26486
Phoenix ID: CI26490

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	05/08/21	KCA	1
1,1-Dichloroethene	ND	0.050	0.050	ND	0.20	0.20	05/08/21	KCA	1
1,2,4-Trichlorobenzene	ND	0.250	0.250	ND	1.85	1.85	05/08/21	KCA	1
1,2-Dichlorobenzene	ND	0.150	0.150	ND	0.90	0.90	05/08/21	KCA	1
1,3-Dichlorobenzene	ND	0.150	0.150	ND	0.90	0.90	05/08/21	KCA	1
1,4-Dichlorobenzene	ND	0.150	0.150	ND	0.90	0.90	05/08/21	KCA	1
Acetone	45.0	2.00	2.00	107	4.75	4.75	05/10/21	KCA	2
Benzene	ND	0.050	0.050	ND	0.16	0.16	05/08/21	KCA	1
Carbon Tetrachloride	0.078	0.020	0.020	0.49	0.13	0.13	05/08/21	KCA	1
Chlorobenzene	ND	0.200	0.200	ND	0.92	0.92	05/08/21	KCA	1
Cis-1,2-Dichloroethene	ND	0.050	0.050	ND	0.20	0.20	05/08/21	KCA	1
Dichlorodifluoromethane	0.395	0.200	0.200	1.95	0.99	0.99	05/08/21	KCA	1
Ethylbenzene	7.99	0.150	0.150	34.7	0.65	0.65	05/08/21	KCA	1
m,p-Xylene	28.8	0.150	0.150	125	0.65	0.65	05/08/21	KCA	1
Methylene Chloride	0.455	0.400	0.400	1.58	1.39	1.39	05/08/21	KCA	1
o-Xylene	5.89	0.150	0.150	25.6	0.65	0.65	05/08/21	KCA	1
Tetrachloroethene	ND	0.100	0.100	ND	0.68	0.68	05/08/21	KCA	1
Toluene	0.418	0.200	0.200	1.57	0.75	0.75	05/08/21	KCA	1
Trichloroethene	ND	0.037	0.037	ND	0.20	0.20	05/08/21	KCA	1
Trichlorofluoromethane	0.426	0.150	0.150	2.39	0.84	0.84	05/08/21	KCA	1
Trichlorotrifluoroethane	ND	0.150	0.150	ND	1.15	1.15	05/08/21	KCA	1
Vinyl Chloride	ND	0.020	0.020	ND	0.05	0.05	05/08/21	KCA	1
<u>QA/QC Surrogates/Internals</u>									
% Bromofluorobenzene	103	%	%	103	%	%	05/08/21	KCA	1
% IS-1,4-Difluorobenzene	93	%	%	93	%	%	05/08/21	KCA	1
% IS-Bromochloromethane	96	%	%	96	%	%	05/08/21	KCA	1

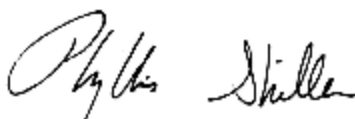
Parameter	ppbv Result	ppbv RL	LOD/ MDL	ug/m3 Result	ug/m3 RL	LOD/ MDL	Date/Time	By	Dilution
% IS-Chlorobenzene-d5	94	%	%	94	%	%	05/08/21	KCA	1
% Bromofluorobenzene (2x)	104	%	%	104	%	%	05/10/21	KCA	2
% IS-1,4-Difluorobenzene (2x)	70	%	%	70	%	%	05/10/21	KCA	2
% IS-Bromochloromethane (2x)	68	%	%	68	%	%	05/10/21	KCA	2
% IS-Chlorobenzene-d5 (2x)	72	%	%	72	%	%	05/10/21	KCA	2

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

July 08, 2021

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

July 08, 2021

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

Sample Information

Matrix: AIR
Location Code: WALDENE-IPARK
Rush Request: Standard
P.O.#:
Canister Id: 461

Custody Information

Collected by: KAW
Received by: LB
Analyzed by: see "By" below

Date

05/06/21 15:16
05/07/21 16:10

Time

Project ID: SPROUT CREEK
Client ID: SCIA-06

Laboratory Data

SDG ID: GCI26486
Phoenix ID: CI26491

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	05/08/21	KCA	1
1,1-Dichloroethene	ND	0.050	0.050	ND	0.20	0.20	05/08/21	KCA	1
1,2,4-Trichlorobenzene	ND	0.250	0.250	ND	1.85	1.85	05/08/21	KCA	1
1,2-Dichlorobenzene	ND	0.150	0.150	ND	0.90	0.90	05/08/21	KCA	1
1,3-Dichlorobenzene	ND	0.150	0.150	ND	0.90	0.90	05/08/21	KCA	1
1,4-Dichlorobenzene	ND	0.150	0.150	ND	0.90	0.90	05/08/21	KCA	1
Acetone	24.1	1.00	1.00	57.2	2.37	2.37	05/08/21	KCA	1
Benzene	0.053	0.050	0.050	0.17	0.16	0.16	05/08/21	KCA	1
Carbon Tetrachloride	0.071	0.020	0.020	0.45	0.13	0.13	05/08/21	KCA	1
Chlorobenzene	ND	0.200	0.200	ND	0.92	0.92	05/08/21	KCA	1
Cis-1,2-Dichloroethene	ND	0.050	0.050	ND	0.20	0.20	05/08/21	KCA	1
Dichlorodifluoromethane	0.396	0.200	0.200	1.96	0.99	0.99	05/08/21	KCA	1
Ethylbenzene	17.9	0.150	0.150	77.7	0.65	0.65	05/08/21	KCA	1
m,p-Xylene	65.4	0.150	0.150	284	0.65	0.65	05/08/21	KCA	1
Methylene Chloride	0.440	0.400	0.400	1.53	1.39	1.39	05/08/21	KCA	1
o-Xylene	13.5	0.150	0.150	58.6	0.65	0.65	05/08/21	KCA	1
Tetrachloroethene	ND	0.100	0.100	ND	0.68	0.68	05/08/21	KCA	1
Toluene	0.436	0.200	0.200	1.64	0.75	0.75	05/08/21	KCA	1
Trichloroethene	ND	0.037	0.037	ND	0.20	0.20	05/08/21	KCA	1
Trichlorofluoromethane	0.400	0.150	0.150	2.25	0.84	0.84	05/08/21	KCA	1
Trichlorotrifluoroethane	ND	0.150	0.150	ND	1.15	1.15	05/08/21	KCA	1
Vinyl Chloride	ND	0.020	0.020	ND	0.05	0.05	05/08/21	KCA	1
<u>QA/QC Surrogates/Internals</u>									
% Bromofluorobenzene	104	%	%	104	%	%	05/08/21	KCA	1
% IS-1,4-Difluorobenzene	93	%	%	93	%	%	05/08/21	KCA	1
% IS-Bromochloromethane	96	%	%	96	%	%	05/08/21	KCA	1

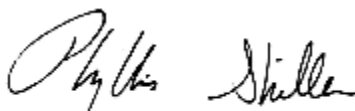
Parameter	ppbv Result	ppbv RL	LOD/ MDL	ug/m3 Result	ug/m3 RL	LOD/ MDL	Date/Time	By	Dilution
% IS-Chlorobenzene-d5	93	%	%	93	%	%	05/08/21	KCA	1

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

July 08, 2021

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

July 08, 2021

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

Sample Information

Matrix: AIR
Location Code: WALDENE-IPARK
Rush Request: Standard
P.O.#:
Canister Id: 12872

Custody Information

Collected by: KAW
Received by: LB
Analyzed by: see "By" below

Date

05/06/21 17:03
05/07/21 16:10

Time

Project ID: SPROUT CREEK
Client ID: SCIA-07

Laboratory Data

SDG ID: GCI26486
Phoenix ID: CI26492

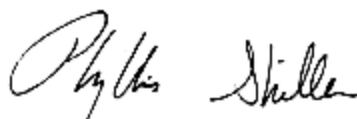
Parameter	ppbv Result	ppbv RL	LOD/ MDL	ug/m3 Result	ug/m3 RL	LOD/ MDL	Date/Time	By	Dilution
Volatiles (TO15)									
1,1,1-Trichloroethane	ND	0.200	0.200	ND	1.09	1.09	05/08/21	KCA	1
1,1-Dichloroethene	ND	0.050	0.050	ND	0.20	0.20	05/08/21	KCA	1
1,2,4-Trichlorobenzene	ND	0.250	0.250	ND	1.85	1.85	05/08/21	KCA	1
1,2-Dichlorobenzene	ND	0.150	0.150	ND	0.90	0.90	05/08/21	KCA	1
1,3-Dichlorobenzene	ND	0.150	0.150	ND	0.90	0.90	05/08/21	KCA	1
1,4-Dichlorobenzene	ND	0.150	0.150	ND	0.90	0.90	05/08/21	KCA	1
Acetone	27.4	1.00	1.00	65.0	2.37	2.37	05/08/21	KCA	1
Benzene	ND	0.050	0.050	ND	0.16	0.16	05/08/21	KCA	1
Carbon Tetrachloride	0.079	0.020	0.020	0.50	0.13	0.13	05/08/21	KCA	1
Chlorobenzene	ND	0.200	0.200	ND	0.92	0.92	05/08/21	KCA	1
Cis-1,2-Dichloroethene	ND	0.050	0.050	ND	0.20	0.20	05/08/21	KCA	1
Dichlorodifluoromethane	0.395	0.200	0.200	1.95	0.99	0.99	05/08/21	KCA	1
Ethylbenzene	32.7	0.150	0.150	142	0.65	0.65	05/08/21	KCA	1
m,p-Xylene	119	0.750	0.750	516	3.25	3.25	05/10/21	KCA	5
Methylene Chloride	0.437	0.400	0.400	1.52	1.39	1.39	05/08/21	KCA	1
o-Xylene	25.6	0.150	0.150	111	0.65	0.65	05/08/21	KCA	1
Tetrachloroethene	ND	0.100	0.100	ND	0.68	0.68	05/08/21	KCA	1
Toluene	0.478	0.200	0.200	1.80	0.75	0.75	05/08/21	KCA	1
Trichloroethene	ND	0.037	0.037	ND	0.20	0.20	05/08/21	KCA	1
Trichlorofluoromethane	0.412	0.150	0.150	2.31	0.84	0.84	05/08/21	KCA	1
Trichlorotrifluoroethane	ND	0.150	0.150	ND	1.15	1.15	05/08/21	KCA	1
Vinyl Chloride	ND	0.020	0.020	ND	0.05	0.05	05/08/21	KCA	1
QA/QC Surrogates/Internals									
% Bromofluorobenzene	107	%	%	107	%	%	05/08/21	KCA	1
% IS-1,4-Difluorobenzene	93	%	%	93	%	%	05/08/21	KCA	1
% IS-Bromochloromethane	94	%	%	94	%	%	05/08/21	KCA	1

Parameter	ppbv Result	ppbv RL	LOD/ MDL	ug/m3 Result	ug/m3 RL	LOD/ MDL	Date/Time	By	Dilution
% IS-Chlorobenzene-d5	95	%	%	95	%	%	05/08/21	KCA	1
% Bromofluorobenzene (5x)	102	%	%	102	%	%	05/10/21	KCA	5
% IS-1,4-Difluorobenzene (5x)	69	%	%	69	%	%	05/10/21	KCA	5
% IS-Bromochloromethane (5x)	68	%	%	68	%	%	05/10/21	KCA	5
% IS-Chlorobenzene-d5 (5x)	72	%	%	72	%	%	05/10/21	KCA	5

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

July 08, 2021

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

July 08, 2021

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

Sample Information

Matrix: AIR
Location Code: WALDENE-IPARK
Rush Request: Standard
P.O.#:
Canister Id: 19634

Custody Information

Collected by: KAW
Received by: LB
Analyzed by: see "By" below

Date

05/06/21 14:51
05/07/21 16:10

Time

Project ID: SPROUT CREEK
Client ID: SCIA-08

Laboratory Data

SDG ID: GCI26486
Phoenix ID: CI26493

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	05/10/21	KCA	1
1,1-Dichloroethene	ND	0.050	0.050	ND	0.20	0.20	05/10/21	KCA	1
1,2,4-Trichlorobenzene	ND	0.250	0.250	ND	1.85	1.85	05/10/21	KCA	1
1,2-Dichlorobenzene	ND	0.150	0.150	ND	0.90	0.90	05/10/21	KCA	1
1,3-Dichlorobenzene	ND	0.150	0.150	ND	0.90	0.90	05/10/21	KCA	1
1,4-Dichlorobenzene	ND	0.150	0.150	ND	0.90	0.90	05/10/21	KCA	1
Acetone	13.7	1.00	1.00	32.5	2.37	2.37	05/10/21	KCA	1
Benzene	0.078	0.050	0.050	0.25	0.16	0.16	05/10/21	KCA	1
Carbon Tetrachloride	0.071	0.020	0.020	0.45	0.13	0.13	05/10/21	KCA	1
Chlorobenzene	ND	0.200	0.200	ND	0.92	0.92	05/10/21	KCA	1
Cis-1,2-Dichloroethene	ND	0.050	0.050	ND	0.20	0.20	05/10/21	KCA	1
Dichlorodifluoromethane	0.408	0.200	0.200	2.02	0.99	0.99	05/10/21	KCA	1
Ethylbenzene	6.21	0.150	0.150	26.9	0.65	0.65	05/10/21	KCA	1
m,p-Xylene	21.7	0.150	0.150	94.2	0.65	0.65	05/10/21	KCA	1
Methylene Chloride	0.479	0.400	0.400	1.66	1.39	1.39	05/10/21	KCA	1
o-Xylene	4.45	0.150	0.150	19.3	0.65	0.65	05/10/21	KCA	1
Tetrachloroethene	0.250	0.100	0.100	1.69	0.68	0.68	05/10/21	KCA	1
Toluene	0.393	0.200	0.200	1.48	0.75	0.75	05/10/21	KCA	1
Trichloroethene	0.066	0.037	0.037	0.35	0.20	0.20	05/10/21	KCA	1
Trichlorofluoromethane	0.394	0.150	0.150	2.21	0.84	0.84	05/10/21	KCA	1
Trichlorotrifluoroethane	ND	0.150	0.150	ND	1.15	1.15	05/10/21	KCA	1
Vinyl Chloride	ND	0.020	0.020	ND	0.05	0.05	05/10/21	KCA	1
<u>QA/QC Surrogates/Internals</u>									
% Bromofluorobenzene	102	%	%	102	%	%	05/10/21	KCA	1
% IS-1,4-Difluorobenzene	77	%	%	77	%	%	05/10/21	KCA	1
% IS-Bromochloromethane	77	%	%	77	%	%	05/10/21	KCA	1

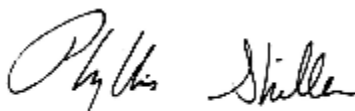
Parameter	ppbv Result	ppbv RL	LOD/ MDL	ug/m3 Result	ug/m3 RL	LOD/ MDL	Date/Time	By	Dilution
% IS-Chlorobenzene-d5	81	%	%	81	%	%	05/10/21	KCA	1

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 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

July 08, 2021

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

July 08, 2021

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

Sample Information

Matrix: AIR
Location Code: WALDENE-IPARK
Rush Request: Standard
P.O.#:
Canister Id: 16005

Custody Information

Collected by: KAW
Received by: LB
Analyzed by: see "By" below

Date

05/06/21 11:52
05/07/21 16:10

Time

Project ID: SPROUT CREEK
Client ID: SC-DUP

Laboratory Data

SDG ID: GCI26486
Phoenix ID: CI26494

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	05/10/21	KCA	1
1,1-Dichloroethene	ND	0.050	0.050	ND	0.20	0.20	05/10/21	KCA	1
1,2,4-Trichlorobenzene	ND	0.250	0.250	ND	1.85	1.85	05/10/21	KCA	1
1,2-Dichlorobenzene	ND	0.150	0.150	ND	0.90	0.90	05/10/21	KCA	1
1,3-Dichlorobenzene	ND	0.150	0.150	ND	0.90	0.90	05/10/21	KCA	1
1,4-Dichlorobenzene	ND	0.150	0.150	ND	0.90	0.90	05/10/21	KCA	1
Acetone	3.27	1.00	1.00	7.76	2.37	2.37	05/10/21	KCA	1
Benzene	0.050	0.050	0.050	0.16	0.16	0.16	05/10/21	KCA	1
Carbon Tetrachloride	0.066	0.020	0.020	0.41	0.13	0.13	05/10/21	KCA	1
Chlorobenzene	ND	0.200	0.200	ND	0.92	0.92	05/10/21	KCA	1
Cis-1,2-Dichloroethene	ND	0.050	0.050	ND	0.20	0.20	05/10/21	KCA	1
Dichlorodifluoromethane	0.415	0.200	0.200	2.05	0.99	0.99	05/10/21	KCA	1
Ethylbenzene	19.0	0.150	0.150	82.5	0.65	0.65	05/10/21	KCA	1
m,p-Xylene	67.6	0.150	0.150	293	0.65	0.65	05/10/21	KCA	1
Methylene Chloride	0.452	0.400	0.400	1.57	1.39	1.39	05/10/21	KCA	1
o-Xylene	14.2	0.150	0.150	61.6	0.65	0.65	05/10/21	KCA	1
Tetrachloroethene	ND	0.100	0.100	ND	0.68	0.68	05/10/21	KCA	1
Toluene	0.459	0.200	0.200	1.73	0.75	0.75	05/10/21	KCA	1
Trichloroethene	ND	0.037	0.037	ND	0.20	0.20	05/10/21	KCA	1
Trichlorofluoromethane	0.389	0.150	0.150	2.18	0.84	0.84	05/10/21	KCA	1
Trichlorotrifluoroethane	ND	0.150	0.150	ND	1.15	1.15	05/10/21	KCA	1
Vinyl Chloride	ND	0.020	0.020	ND	0.05	0.05	05/10/21	KCA	1
QA/QC Surrogates/Internals									
% Bromofluorobenzene	103	%	%	103	%	%	05/10/21	KCA	1
% IS-1,4-Difluorobenzene	76	%	%	76	%	%	05/10/21	KCA	1
% IS-Bromochloromethane	75	%	%	75	%	%	05/10/21	KCA	1

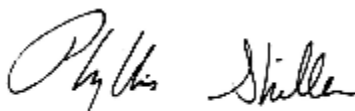
Parameter	ppbv Result	ppbv RL	LOD/ MDL	ug/m3 Result	ug/m3 RL	LOD/ MDL	Date/Time	By	Dilution
% IS-Chlorobenzene-d5	80	%	%	80	%	%	05/10/21	KCA	1

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.

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Phyllis Shiller, Laboratory Director

July 08, 2021

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

July 08, 2021

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

Sample Information

Matrix: AIR
Location Code: WALDENE-IPARK
Rush Request: Standard
P.O.#:
Canister Id: 216

Custody Information

Collected by: KAW
Received by: LB
Analyzed by: see "By" below

Date

05/06/21 11:05
05/07/21 16:10

Time

Project ID: SPROUT CREEK
Client ID: SC-FB

Laboratory Data

SDG ID: GCI26486
Phoenix ID: CI26495

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	05/10/21	KCA	1
1,1-Dichloroethene	ND	0.050	0.050	ND	0.20	0.20	05/10/21	KCA	1
1,2,4-Trichlorobenzene	ND	0.250	0.250	ND	1.85	1.85	05/10/21	KCA	1
1,2-Dichlorobenzene	ND	0.150	0.150	ND	0.90	0.90	05/10/21	KCA	1
1,3-Dichlorobenzene	ND	0.150	0.150	ND	0.90	0.90	05/10/21	KCA	1
1,4-Dichlorobenzene	ND	0.150	0.150	ND	0.90	0.90	05/10/21	KCA	1
Acetone	ND	1.00	1.00	ND	2.37	2.37	05/10/21	KCA	1
Benzene	0.304	0.050	0.050	0.97	0.16	0.16	05/10/21	KCA	1
Carbon Tetrachloride	ND	0.020	0.020	ND	0.13	0.13	05/10/21	KCA	1
Chlorobenzene	ND	0.200	0.200	ND	0.92	0.92	05/10/21	KCA	1
Cis-1,2-Dichloroethene	ND	0.050	0.050	ND	0.20	0.20	05/10/21	KCA	1
Dichlorodifluoromethane	ND	0.200	0.200	ND	0.99	0.99	05/10/21	KCA	1
Ethylbenzene	ND	0.150	0.150	ND	0.65	0.65	05/10/21	KCA	1
m,p-Xylene	0.306	0.150	0.150	1.33	0.65	0.65	05/10/21	KCA	1
Methylene Chloride	ND	0.400	0.400	ND	1.39	1.39	05/10/21	KCA	1
o-Xylene	ND	0.150	0.150	ND	0.65	0.65	05/10/21	KCA	1
Tetrachloroethene	ND	0.100	0.100	ND	0.68	0.68	05/10/21	KCA	1
Toluene	ND	0.200	0.200	ND	0.75	0.75	05/10/21	KCA	1
Trichloroethene	ND	0.037	0.037	ND	0.20	0.20	05/10/21	KCA	1
Trichlorofluoromethane	ND	0.150	0.150	ND	0.84	0.84	05/10/21	KCA	1
Trichlorotrifluoroethane	ND	0.150	0.150	ND	1.15	1.15	05/10/21	KCA	1
Vinyl Chloride	ND	0.020	0.020	ND	0.05	0.05	05/10/21	KCA	1
QA/QC Surrogates/Internals									
% Bromofluorobenzene	99	%	%	99	%	%	05/10/21	KCA	1
% IS-1,4-Difluorobenzene	73	%	%	73	%	%	05/10/21	KCA	1
% IS-Bromochloromethane	71	%	%	71	%	%	05/10/21	KCA	1

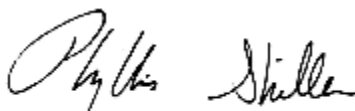
Parameter	ppbv Result	ppbv RL	LOD/ MDL	ug/m3 Result	ug/m3 RL	LOD/ MDL	Date/Time	By	Dilution
% IS-Chlorobenzene-d5	77	%	%	77	%	%	05/10/21	KCA	1

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

July 08, 2021

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

July 08, 2021

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

Sample Information

Matrix: AIR
Location Code: WALDENE-IPARK
Rush Request: Standard
P.O.#:
Canister Id: 19816

Custody Information

Collected by: KAW
Received by: LB
Analyzed by: see "By" below

Date

05/06/21 15:18
05/07/21 16:10

Time

Project ID: SPROUT CREEK
Client ID: SCSSV-06

Laboratory Data

SDG ID: GCI26486
Phoenix ID: CI26496

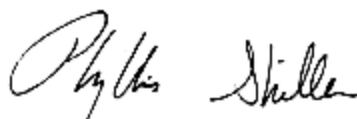
Parameter	ppbv Result	ppbv RL	LOD/ MDL	ug/m3 Result	ug/m3 RL	LOD/ MDL	Date/Time	By	Dilution
<u>Volatiles (TO15)</u>									
1,1,1-Trichloroethane	ND	0.200	0.200	ND	1.09	1.09	05/10/21	KCA	1
1,1-Dichloroethene	ND	0.050	0.050	ND	0.20	0.20	05/10/21	KCA	1
1,2,4-Trichlorobenzene	ND	0.250	0.250	ND	1.85	1.85	05/10/21	KCA	1
1,2-Dichlorobenzene	ND	0.150	0.150	ND	0.90	0.90	05/10/21	KCA	1
1,3-Dichlorobenzene	ND	0.150	0.150	ND	0.90	0.90	05/10/21	KCA	1
1,4-Dichlorobenzene	ND	0.150	0.150	ND	0.90	0.90	05/10/21	KCA	1
Acetone	1.54	1.00	1.00	3.66	2.37	2.37	05/10/21	KCA	1
Benzene	ND	0.050	0.050	ND	0.16	0.16	05/10/21	KCA	1
Carbon Tetrachloride	0.065	0.020	0.020	0.41	0.13	0.13	05/10/21	KCA	1
Chlorobenzene	ND	0.200	0.200	ND	0.92	0.92	05/10/21	KCA	1
Cis-1,2-Dichloroethene	ND	0.050	0.050	ND	0.20	0.20	05/10/21	KCA	1
Dichlorodifluoromethane	2.91	0.200	0.200	14.4	0.99	0.99	05/10/21	KCA	1
Ethylbenzene	0.223	0.150	0.150	0.97	0.65	0.65	05/10/21	KCA	1
m,p-Xylene	0.788	0.150	0.150	3.42	0.65	0.65	05/10/21	KCA	1
Methylene Chloride	ND	0.400	0.400	ND	1.39	1.39	05/10/21	KCA	1
o-Xylene	0.231	0.150	0.150	1.00	0.65	0.65	05/10/21	KCA	1
Tetrachloroethene	43.1	18.4	18.4	292	125	125	05/10/21	KCA	184
Toluene	0.351	0.200	0.200	1.32	0.75	0.75	05/10/21	KCA	1
Trichloroethene	0.881	0.037	0.037	4.73	0.20	0.20	05/10/21	KCA	1
Trichlorofluoromethane	1.81	0.150	0.150	10.2	0.84	0.84	05/10/21	KCA	1
Trichlorotrifluoroethane	1380	27.6	27.6	10600	211	211	05/10/21	KCA	184
Vinyl Chloride	ND	0.020	0.020	ND	0.05	0.05	05/10/21	KCA	1
<u>QA/QC Surrogates/Internals</u>									
% Bromofluorobenzene	102	%	%	102	%	%	05/10/21	KCA	1
% IS-1,4-Difluorobenzene	73	%	%	73	%	%	05/10/21	KCA	1
% IS-Bromochloromethane	72	%	%	72	%	%	05/10/21	KCA	1

Parameter	ppbv Result	ppbv RL	LOD/ MDL	ug/m3 Result	ug/m3 RL	LOD/ MDL	Date/Time	By	Dilution
% IS-Chlorobenzene-d5	75	%	%	75	%	%	05/10/21	KCA	1
% Bromofluorobenzene (184x)	99	%	%	99	%	%	05/10/21	KCA	184
% IS-1,4-Difluorobenzene (184x)	67	%	%	67	%	%	05/10/21	KCA	184
% IS-Bromochloromethane (184x)	66	%	%	66	%	%	05/10/21	KCA	184
% IS-Chlorobenzene-d5 (184x)	71	%	%	71	%	%	05/10/21	KCA	184

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

July 08, 2021

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

July 08, 2021

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

Sample Information

Matrix: AIR
Location Code: WALDENE-IPARK
Rush Request: Standard
P.O.#:
Canister Id: 11290

Custody Information

Collected by: KAW
Received by: LB
Analyzed by: see "By" below

Date

05/06/21 15:14
05/07/21 16:10

Time

Project ID: SPROUT CREEK
Client ID: SCSSV-08

Laboratory Data

SDG ID: GCI26486
Phoenix ID: CI26497

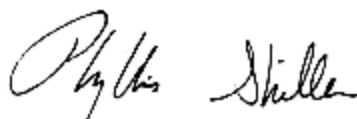
Parameter	ppbv Result	ppbv RL	LOD/ MDL	ug/m3 Result	ug/m3 RL	LOD/ MDL	Date/Time	By	Dilution
<u>Volatiles (TO15)</u>									
1,1,1-Trichloroethane	ND	0.200	0.200	ND	1.09	1.09	05/10/21	KCA	1
1,1-Dichloroethene	ND	0.050	0.050	ND	0.20	0.20	05/10/21	KCA	1
1,2,4-Trichlorobenzene	ND	0.250	0.250	ND	1.85	1.85	05/10/21	KCA	1
1,2-Dichlorobenzene	ND	0.150	0.150	ND	0.90	0.90	05/10/21	KCA	1
1,3-Dichlorobenzene	ND	0.150	0.150	ND	0.90	0.90	05/10/21	KCA	1
1,4-Dichlorobenzene	ND	0.150	0.150	ND	0.90	0.90	05/10/21	KCA	1
Acetone	1.15	1.00	1.00	2.73	2.37	2.37	05/10/21	KCA	1
Benzene	0.103	0.050	0.050	0.33	0.16	0.16	05/10/21	KCA	1
Carbon Tetrachloride	0.077	0.020	0.020	0.48	0.13	0.13	05/10/21	KCA	1
Chlorobenzene	ND	0.200	0.200	ND	0.92	0.92	05/10/21	KCA	1
Cis-1,2-Dichloroethene	50.3	7.97	7.97	199	31.6	31.6	05/10/21	KCA	159.3
Dichlorodifluoromethane	2.42	0.200	0.200	12.0	0.99	0.99	05/10/21	KCA	1
Ethylbenzene	0.174	0.150	0.150	0.76	0.65	0.65	05/10/21	KCA	1
m,p-Xylene	0.701	0.150	0.150	3.04	0.65	0.65	05/10/21	KCA	1
Methylene Chloride	ND	0.400	0.400	ND	1.39	1.39	05/10/21	KCA	1
o-Xylene	0.197	0.150	0.150	0.85	0.65	0.65	05/10/21	KCA	1
Tetrachloroethene	309	15.9	15.9	2090	108	108	05/10/21	KCA	159.3
Toluene	ND	0.200	0.200	ND	0.75	0.75	05/10/21	KCA	1
Trichloroethene	36.7	0.037	0.037	197	0.20	0.20	05/10/21	KCA	1
Trichlorofluoromethane	0.430	0.150	0.150	2.41	0.84	0.84	05/10/21	KCA	1
Trichlorotrifluoroethane	12.6	0.150	0.150	96.5	1.15	1.15	05/10/21	KCA	1
Vinyl Chloride	ND	0.020	0.020	ND	0.05	0.05	05/10/21	KCA	1
<u>QA/QC Surrogates/Internals</u>									
% Bromofluorobenzene	99	%	%	99	%	%	05/10/21	KCA	1
% IS-1,4-Difluorobenzene	73	%	%	73	%	%	05/10/21	KCA	1
% IS-Bromochloromethane	73	%	%	73	%	%	05/10/21	KCA	1

Parameter	ppbv Result	ppbv RL	LOD/ MDL	ug/m3 Result	ug/m3 RL	LOD/ MDL	Date/Time	By	Dilution
% IS-Chlorobenzene-d5	78	%	%	78	%	%	05/10/21	KCA	1
% Bromofluorobenzene (159.3x)	99	%	%	99	%	%	05/10/21	KCA	159.3
% IS-1,4-Difluorobenzene (159.3x)	66	%	%	66	%	%	05/10/21	KCA	159.3
% IS-Bromochloromethane (159.3x)	66	%	%	66	%	%	05/10/21	KCA	159.3
% IS-Chlorobenzene-d5 (159.3x)	71	%	%	71	%	%	05/10/21	KCA	159.3

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

July 08, 2021

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

July 08, 2021

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

Sample Information

Matrix: AIR
Location Code: WALDENE-IPARK
Rush Request: Standard
P.O.#:
Canister Id: 13645

Custody Information

Collected by: KAW
Received by: LB
Analyzed by: see "By" below

Date

05/06/21 13:44
05/07/21 16:10

Time

Project ID: SPROUT CREEK
Client ID: SCAA-01

Laboratory Data

SDG ID: GCI26486
Phoenix ID: CI26498

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	05/10/21	KCA	1
1,1-Dichloroethene	ND	0.050	0.050	ND	0.20	0.20	05/10/21	KCA	1
1,2,4-Trichlorobenzene	ND	0.250	0.250	ND	1.85	1.85	05/10/21	KCA	1
1,2-Dichlorobenzene	ND	0.150	0.150	ND	0.90	0.90	05/10/21	KCA	1
1,3-Dichlorobenzene	ND	0.150	0.150	ND	0.90	0.90	05/10/21	KCA	1
1,4-Dichlorobenzene	ND	0.150	0.150	ND	0.90	0.90	05/10/21	KCA	1
Acetone	1.56	1.00	1.00	3.70	2.37	2.37	05/10/21	KCA	1
Benzene	ND	0.050	0.050	ND	0.16	0.16	05/10/21	KCA	1
Carbon Tetrachloride	0.074	0.020	0.020	0.47	0.13	0.13	05/10/21	KCA	1
Chlorobenzene	ND	0.200	0.200	ND	0.92	0.92	05/10/21	KCA	1
Cis-1,2-Dichloroethene	ND	0.050	0.050	ND	0.20	0.20	05/10/21	KCA	1
Dichlorodifluoromethane	0.415	0.200	0.200	2.05	0.99	0.99	05/10/21	KCA	1
Ethylbenzene	ND	0.150	0.150	ND	0.65	0.65	05/10/21	KCA	1
m,p-Xylene	0.155	0.150	0.150	0.67	0.65	0.65	05/10/21	KCA	1
Methylene Chloride	0.587	0.400	0.400	2.04	1.39	1.39	05/10/21	KCA	1
o-Xylene	ND	0.150	0.150	ND	0.65	0.65	05/10/21	KCA	1
Tetrachloroethene	ND	0.100	0.100	ND	0.68	0.68	05/10/21	KCA	1
Toluene	ND	0.200	0.200	ND	0.75	0.75	05/10/21	KCA	1
Trichloroethene	ND	0.037	0.037	ND	0.20	0.20	05/10/21	KCA	1
Trichlorofluoromethane	0.631	0.150	0.150	3.54	0.84	0.84	05/10/21	KCA	1
Trichlorotrifluoroethane	ND	0.150	0.150	ND	1.15	1.15	05/10/21	KCA	1
Vinyl Chloride	ND	0.020	0.020	ND	0.05	0.05	05/10/21	KCA	1
<u>QA/QC Surrogates/Internals</u>									
% Bromofluorobenzene	100	%	%	100	%	%	05/10/21	KCA	1
% IS-1,4-Difluorobenzene	74	%	%	74	%	%	05/10/21	KCA	1
% IS-Bromochloromethane	71	%	%	71	%	%	05/10/21	KCA	1

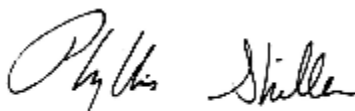
Parameter	ppbv Result	ppbv RL	LOD/ MDL	ug/m3 Result	ug/m3 RL	LOD/ MDL	Date/Time	By	Dilution
% IS-Chlorobenzene-d5	76	%	%	76	%	%	05/10/21	KCA	1

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 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

July 08, 2021

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

July 08, 2021

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

Location Code: WALDENE-IPARK

SDG I.D.: GCI26486

Project ID: SPROUT CREEK

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
SCIA-01	CI26486	28595	6.0L	7027	04/22/21	-30	-9	10.8	10.8	0.0	-30	-9	05/06/21 09:16	05/06/21 16:16
SCIA-02	CI26487	23329	6.0L	3256	04/22/21	-30	-7	10.8	12.9	17.7	-29	-8	05/06/21 09:02	05/06/21 15:19
SCIA-03	CI26488	19786	6.0L	3504	04/22/21	-30	-8	10.8	11.3	4.5	-30	-9	05/06/21 09:11	05/06/21 15:56
SCIA-04	CI26489	489	6.0L	5043	04/22/21	-30	-8	10.8	10.9	0.9	-29	-9	05/06/21 08:58	05/06/21 15:35
SCIA-05	CI26490	12859	6.0L	3258	04/22/21	-30	-9	10.8	11.0	1.8	-29	-9	05/06/21 08:46	05/06/21 15:35
SCIA-06	CI26491	461	6.0L	3964	04/22/21	-30	-10	10.8	10.8	0.0	-29	-9	05/06/21 08:52	05/06/21 15:16
SCIA-07	CI26492	12872	6.0L	4979	04/22/21	-30	-9	10.8	10.3	4.7	-28	-9	05/06/21 09:55	05/06/21 17:03
SCIA-08	CI26493	19634	6.0L	7022	04/22/21	-30	-10	10.8	11.0	1.8	-28	-9	05/06/21 08:32	05/06/21 14:51
SC-DUP	CI26494	16005	6.0L	4488	04/22/21	-30	-9	10.8	11.5	6.3	-30	-9	05/06/21 08:57	05/06/21 15:52
SC-FB	CI26495	216	6.0L	5352	04/22/21	-30	-9	10.8	11.4	5.4	-30	-9	05/06/21 10:26	05/06/21 11:05
SCSSV-06	CI26496	19816	6.0L	5659	04/22/21	-30	-10	10.8	11.4	5.4	-29	-9	05/06/21 08:52	05/06/21 15:18
SCSSV-08	CI26497	11290	6.0L	6992	04/22/21	-30	-9	10.8	10.8	0.0	-30	-8.5	05/06/21 08:31	05/06/21 15:14
SCAA-01	CI26498	13645	6.0L	5389	04/22/21	-30	-10	10.8	11.0	1.8	-29	-9	05/06/21 07:35	05/06/21 13:44



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QA/QC Report

July 08, 2021

QA/QC Data

SDG I.D.: GCI26486

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 574601 (ppbv), QC Sample No: CI26489 (CI26486, CI26487, CI26488, CI26489, CI26490, CI26491, CI26492)

Volatiles

1,1,1-Trichloroethane	ND	0.200	ND	1.09	116	115	ND	ND	ND	ND	NC	70 - 130	25
1,1-Dichloroethene	ND	0.050	ND	0.20	122	122	ND	ND	ND	ND	NC	70 - 130	25
1,2,4-Trichlorobenzene	ND	0.250	ND	1.85	141	129	ND	ND	ND	ND	NC	70 - 130	25
1,2-Dichlorobenzene	ND	0.150	ND	0.90	114	113	ND	ND	ND	ND	NC	70 - 130	25
1,3-Dichlorobenzene	ND	0.150	ND	0.90	114	113	ND	ND	ND	ND	NC	70 - 130	25
1,4-Dichlorobenzene	ND	0.150	ND	0.90	112	111	ND	ND	ND	ND	NC	70 - 130	25
Acetone	ND	1.00	ND	2.37	114	110	7.93	7.60	3.34	3.20	NC	70 - 130	25
Benzene	ND	0.050	ND	0.16	100	102	0.16	ND	0.050	ND	NC	70 - 130	25
Carbon Tetrachloride	ND	0.020	ND	0.13	120	119	0.49	0.47	0.078	0.075	NC	70 - 130	25
Chlorobenzene	ND	0.200	ND	0.92	108	107	ND	ND	ND	ND	NC	70 - 130	25
Cis-1,2-Dichloroethene	ND	0.050	ND	0.20	118	121	ND	ND	ND	ND	NC	70 - 130	25
Dichlorodifluoromethane	ND	0.200	ND	0.99	97	92	2.13	1.99	0.432	0.403	NC	70 - 130	25
Ethylbenzene	ND	0.150	ND	0.65	107	107	107	106	24.7	24.5	0.8	70 - 130	25
m,p-Xylene	ND	0.150	ND	0.65	113	111	389	384	89.7	88.6	1.2	70 - 130	25
Methylene Chloride	ND	0.400	ND	1.39	108	107	2.10	2.14	0.606	0.617	NC	70 - 130	25
o-Xylene	ND	0.150	ND	0.65	108	106	82.5	80.3	19.0	18.5	2.7	70 - 130	25
Tetrachloroethene	ND	0.100	ND	0.68	110	107	ND	ND	ND	ND	NC	70 - 130	25
Toluene	ND	0.200	ND	0.75	108	107	1.78	1.75	0.473	0.465	NC	70 - 130	25
Trichloroethene	ND	0.037	ND	0.20	112	110	ND	ND	ND	ND	NC	70 - 130	25
Trichlorofluoromethane	ND	0.150	ND	0.84	124	123	2.39	2.24	0.426	0.399	NC	70 - 130	25
Trichlorotrifluoroethane	ND	0.150	ND	1.15	116	115	ND	ND	ND	ND	NC	70 - 130	25
Vinyl Chloride	ND	0.020	ND	0.05	116	114	ND	ND	ND	ND	NC	70 - 130	25
% Bromofluorobenzene	101	%	101	%	105	103	105	105	105	105	NC	70 - 130	25
% IS-1,4-Difluorobenzene	103	%	103	%	103	107	93	95	93	95	NC	60 - 140	25
% IS-Bromochloromethane	105	%	105	%	106	109	94	97	94	97	NC	60 - 140	25
% IS-Chlorobenzene-d5	101	%	101	%	105	108	93	95	93	95	NC	60 - 140	25

QA/QC Batch 574676 (ppbv), QC Sample No: CI26493 (CI26487 (5X) , CI26489 (5X) , CI26490 (2X) , CI26492 (5X) , CI26493, CI26494, CI26495, CI26496 (1X, 184X) , CI26497 (1X, 159.3X) , CI26498)

Volatiles

1,1,1-Trichloroethane	ND	0.200	ND	1.09	112	110	ND	ND	ND	ND	NC	70 - 130	25
1,1-Dichloroethene	ND	0.050	ND	0.20	118	115	ND	ND	ND	ND	NC	70 - 130	25
1,2,4-Trichlorobenzene	ND	0.250	ND	1.85	125	127	ND	ND	ND	ND	NC	70 - 130	25
1,2-Dichlorobenzene	ND	0.150	ND	0.90	113	112	ND	ND	ND	ND	NC	70 - 130	25
1,3-Dichlorobenzene	ND	0.150	ND	0.90	113	111	ND	ND	ND	ND	NC	70 - 130	25
1,4-Dichlorobenzene	ND	0.150	ND	0.90	112	112	ND	ND	ND	ND	NC	70 - 130	25
Acetone	ND	1.00	ND	2.37	100	97	32.5	29.4	13.7	12.4	10.0	70 - 130	25
Benzene	ND	0.050	ND	0.16	101	99	0.25	0.22	0.078	0.069	NC	70 - 130	25
Carbon Tetrachloride	ND	0.020	ND	0.13	117	115	0.45	0.50	0.071	0.079	NC	70 - 130	25
Chlorobenzene	ND	0.200	ND	0.92	109	107	ND	ND	ND	ND	NC	70 - 130	25
Cis-1,2-Dichloroethene	ND	0.050	ND	0.20	118	117	ND	ND	ND	ND	NC	70 - 130	25
Dichlorodifluoromethane	ND	0.200	ND	0.99	92	89	2.02	1.96	0.408	0.396	NC	70 - 130	25

QA/QC Data

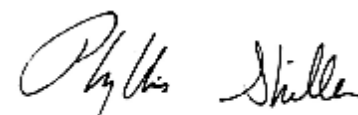
SDG I.D.: GCI26486

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
Ethylbenzene	ND	0.150	ND	0.65	106	107	26.9	26.3	6.21	6.07	2.3	70 - 130	25
m,p-Xylene	ND	0.150	ND	0.65	112	110	94.2	94.2	21.7	21.7	0.0	70 - 130	25
Methylene Chloride	ND	0.400	ND	1.39	101	98	1.66	1.42	0.479	0.409	NC	70 - 130	25
o-Xylene	ND	0.150	ND	0.65	110	106	19.3	19.1	4.45	4.40	1.1	70 - 130	25
Tetrachloroethene	ND	0.100	ND	0.68	108	107	1.69	1.29	0.250	0.191	NC	70 - 130	25
Toluene	ND	0.200	ND	0.75	105	106	1.48	1.38	0.393	0.367	NC	70 - 130	25
Trichloroethene	ND	0.037	ND	0.20	112	110	0.35	0.24	0.066	0.044	NC	70 - 130	25
Trichlorofluoromethane	ND	0.150	ND	0.84	121	116	2.21	2.22	0.394	0.396	NC	70 - 130	25
Trichlorotrifluoroethane	ND	0.150	ND	1.15	116	111	ND	ND	ND	ND	NC	70 - 130	25
Vinyl Chloride	ND	0.020	ND	0.05	110	106	ND	ND	ND	ND	NC	70 - 130	25
% Bromofluorobenzene	98	%	98	%	102	103	102	100	102	100	NC	70 - 130	25
% IS-1,4-Difluorobenzene	84	%	84	%	91	90	77	76	77	76	NC	60 - 140	25
% IS-Bromochloromethane	84	%	84	%	89	91	77	75	77	75	NC	60 - 140	25
% IS-Chlorobenzene-d5	86	%	86	%	93	93	81	79	81	79	NC	60 - 140	25

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

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

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


 Phyllis Shiller, Laboratory Director
 July 08, 2021

Sample Criteria Exceedances Report

Criteria: None

State: NY

GCI26486 - WALDENE-IPARK

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 exceedances. All efforts are made to ensure the accuracy of the data (obtained from appropriate agencies). A lack of exceedance information does not necessarily suggest conformance to the criteria. It is ultimately the site professional's responsibility to determine appropriate compliance.



587 East Middle Turnpike, P.O. Box 370, Manchester, CT 06040
Email: info@phoenixlabs.com Fax (860) 645-0823
Client Services (860) 645-1102

Data Delivery:

☐ Fax #
☒ Email: ke.wright@walden-associates.com

Report to: Nora Brew Invoice to: Carl Monheit Project Name: Sprout Creek
Address: 16 Springside Dr. BAYNLY 11771 Address: 485 West Main Ave Location: B710(330)
Project Mgr: Nora Brew P.O. #: Greenwich, CT 06850 State: NY
Phone #: (516) 624-7200 Quote #: Park 0118.41 Sampled by: KAWI

Phoenix ID #	Client Sample ID	Canister ID #	Canister Size (L)	LAB USE ONLY			Flow Regulator ID #	Flow Controller Setting (ml/min)	Sampling Start Time	Sampling End Time	Sample Start Date	Canister Pressure at Start ("Hg)	Canister Pressure at End ("Hg)	Ambient/Indoor Air	MATRIX		ANALYSES		Is Canister Returned Unused? Y/N
				Outgoing Canister Pressure ("Hg)	Incoming Canister Pressure ("Hg)	Canister ID #									Soil Gas	Grab (G) Composite (C)	TO-14	TO-15	
26486	SCIA-01	28595	6.0	-30	-9		7027	10.8	09:16	16:16	5/6/21	-30	-9	X	G		X		
26487	SCIA-02	23329			-7		3256		09:02	15:19	5/6/21	-29	-8	X	G		X		
26488	SCIA-03	19786			-8		3504		09:11	15:36	5/6/21	-30	-9	X	G		X		
26489	SCIA-04	489			-8		5043		08:58	15:35	5/6/21	-29	-9	X	G		X		
26490	SCIA-05	12859			-9		3258		08:46	15:35	5/6/21	-29	-9	X	G		X		
26491	SCIA-06	461			-10		3964		08:52	15:16	5/6/21	-29	-9	X	G		X		
26492	SCIA-07	12872			-9		4979		09:55	17:03	5/6/21	-28	-9	X	G		X		
26493	SCIA-08	19634			-10		7022		08:32	14:31	5/6/21	-28	-9	X	G		X		
26494	SCDUP	12605			-9		4488		08:57	15:32	5/6/21	-30	-9	X	G		X		
26495	SC-FB	216			-9		5352		10:26	11:05	5/6/21	-30	-9	X	G		X		

Accepted by: [Signature] Date: 5/12/21 Time: 11:43
Deliverable: ☐ RCP ☒ Excel ☐ Equis ☐
Criteria Requested: 5/31/21 MCP ☐ Other: ☐
State where samples collected: NY GISKey ☐
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.
Signature: [Signature] Date: _____
INSTRUCTIONS, QC REQUIREMENTS, REGULATORY INFORMATION:
- IS "special use" code noted" SCIA
Modified TO-15 as per project QAPP

587 East Middle Turnpike, P.O. Box 370, Manchester, CT 06040
Email: info@phoenixlabs.com Fax (860) 645-0823
Client Services (860) 645-1102

Data Delivery:

☐ Fax #:
☒ Email: Kawright@wa1dgm-associates.com

07/08/2011

Report to: Nora Brew, P.E.
Address: 16 Spring St Apt 6 Bay NY 11771
Project Mgr: Nora Brew
Phone #: (516) 624-7200

Invoice to: Carl Wenhert
Address: 485 West Putnam Ave
P.O. #: Greenwich CT 06860
Quote #: 1 Park 0118.4-1

Project Name: Sprout Creek
Location: 0710 (330)
State: NEW YORK
Sampled by: KAW

Is Canister Returned Unused? Y/N

Phoenix ID #	Client Sample ID	Canister ID #	Canister Size (L)	Outgoing Canister Pressure ("Hg)	Incoming Canister Pressure ("Hg)	Flow Regulator ID #	Flow Controller Setting (ml/min)	Sampling Start Time	Sampling End Time	Sample Start Date	Canister Pressure at Start ("Hg)	Canister Pressure at End ("Hg)	Ambient/Indoor Air	Soil Gas	Grab (G) Composite (C)	TO-14	TO-15	ANALYSES
26496	SCSSV-06	19810	6.0	-30	-10	5659	10.8	08:52	15:18	5/6/21	-29	-9	X	G	G	X	X	
26497	SCSSV-08	11290	1	-9	-9	4998		08:31	15:14	5/6/21	-30	-8.5	X	G	G	X	X	
26498	SCAA-01	13645	1	-10	-10	5389		07:35	13:44	5/6/21	-29	-9	X	G	G	X	X	
		468				4490					-15							N

Relinquished by: [Signature] Accepted by: [Signature]
Date: 5/7/21 11:45 Date: 5/7/21 16:10

Criteria Requested: None Deliverable: None
Excel ☒ RCP ☐ MCP ☐
PDF ☒ Other: ☐
GISKey ☐

State where samples collected: NY

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.

Signature: [Signature] Date: 5/7/21



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

NY ANALYTICAL SERVICES PROTOCOL
DATA PACKAGE

Client: Walden Environmental Engineering PLLC

SPROUT CREEK

Laboratory Project: GCI26486

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: GCI26486

Volatile Air Conformance / Non-Conformance Summary

Project ID / Client ID: SPROUT CREEK, 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: CI26489 LCS

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

Sample: CI26489 LCSD

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

Sample: CI26493 LCS

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

Sample: CI26493 LCSD

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

Form 4 (Method Blank):

File: CHEM24 0507_08.D

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

File: CHEM24 0510_07.D

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

Form 5 (Tune):

File: CHEM24 0421_02.D

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

File: CHEM24 0507_03.D

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

File: CHEM24 0510_02.D

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

Form 6 (Initial Calibration):

Calibration: CHEM24 04/21/21 - 04/22/21

100% of method compounds met criteria.

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

Calibration: CHEM24 04/22/21 - 04/22/21

SDG: GCI26486

Volatile Air Conformance / Non-Conformance Summary

Project ID / Client ID: SPROUT CREEK, Walden Environmental Engineering PLLC

100% of method compounds met criteria.

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

Form 7 (Continuing Calibration):

File: CHEM24 0507_03.D (Opening)

100% of method compounds met criteria.

The following compounds did not meet maximum % deviations: 1,2,4-Trichlorobenzene -23.0% (20), 1,2,4-Trichlorobenzene(sim) - 41.0% (20)

File: CHEM24 0510_02.D (Opening)

100% of method compounds met criteria.

The following compounds did not meet maximum % deviations: 1,2,4-Trichlorobenzene 42.0% (20), 1,2,4-Trichlorobenzene(sim) 36.0% (20)

Form 8 (Internal Standard and Retention Time):

File: CHEM24 - 24AIR_0421.M / 0507_03.D Full

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

File: CHEM24 - 24AIR_0421.M / 0507_03.D Sim

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

File: CHEM24 - 24AIR_0421.M / 0510_02.D Full

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

File: CHEM24 - 24AIR_0421.M / 0510_02.D Sim

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

File: CHEM24 - 24AIR_0421.M / Average Full

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

File: CHEM24 - 24AIR_0421.M / Average Sim

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



05/17/21

Alejandro Paredes

Project Manager

Lab Name:	Phoenix Environmental Labs	Client:	WALDENE-IPARK
Lab Code:	Phoenix	Case No.:	SDG: GC126486
QC Batch Id:	574601	QC Sample Id:	CI26489

	CLIENT ID	LAB ID	SMC1 BFB #				TOT OUT
01	CI26489 LCS	CI26489 LCS	105				0
02	CI26489 LCSD	CI26489 LCSD	103				0
03	CI26489 BLANK	CI26489 BLANK	101				0
04	SCIA-01	CI26486	104				0
05	SCIA-02	CI26487	105				0
06	SCIA-03	CI26488	103				0
07	SCIA-04	CI26489	105				0
08	SCIA-04 DUP	CI26489 DUP	105				0
09	SCIA-05	CI26490	103				0
10	SCIA-06	CI26491	104				0
11	SCIA-07	CI26492	107				0
12							
13							
14							
15							
16							
17							
18							
19							
20							
21							
22							
23							
24							
25							
26							
27							
28							
29							
30							

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

Page 47 of 358

Lab Name:	Phoenix Environmental Labs	Client:	WALDENE-IPARK
Lab Code:	Phoenix	Case No.:	SDG: GC126486
QC Batch Id:	574676	QC Sample Id:	CI26493

	CLIENT ID	LAB ID	SMC1 BFB #				TOT OUT
01	CI26493 LCS	CI26493 LCS	102				0
02	CI26493 LCSD	CI26493 LCSD	103				0
03	CI26493 BLANK	CI26493 BLANK	98				0
04	SCIA-08	CI26493	102				0
05	SCIA-08 DUP	CI26493 DUP	100				0
06	SC-DUP	CI26494	103				0
07	SC-FB	CI26495	100				0
08	SCSSV-06	CI26496	102				0
09	SCSSV-08	CI26497	99				0
10	SCAA-01	CI26498	100				0
11	SCIA-02 5X	CI26487 5X	100				0
12	SCIA-04 5X	CI26489 5X	102				0
13	SCIA-05 2X	CI26490 2X	104				0
14	SCIA-07 5X	CI26492 5X	102				0
15	SCSSV-06 184X	CI26496 184X	99				0
16	SCSSV-08 159.3X	CI26497 159.3X	99				0
17							
18							
19							
20							
21							
22							
23							
24							
25							
26							
27							
28							
29							
30							

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

Page 48 of 358

LCS - Client Id: CI26493 LCSD

FORM III AIR

4A
AIR METHOD BLANK SUMMARY

Client ID

CI26489 BLANK

Lab Name: Phoenix Environmental Labs

Client: WALDENE-IPARK

Lab Code: Phoenix Case No.: _____

SAS No.: _____

SDG No.: GCI26486

Lab File ID: 0507_08.D

Lab Sample ID: CI26489 BLK

Date Analyzed: 05/07/2021

Time Analyzed: 18:10

GC Column: RTX-VMS

Lab Batch ID: 574601

Instrument ID: CHEM24

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	CI26489 LCS	CI26489 LCS	0507_05.D	16:09
02	CI26489 LCSD	CI26489 LCS	0507_06.D	17:01
03	SCIA-01	CI26486	0507_18.D	01:20
04	SCIA-02	CI26487	0507_19.D	02:02
05	SCIA-03	CI26488	0507_20.D	02:57
06	SCIA-04	CI26489	0507_21.D	03:39
07	SCIA-04 DUP	CI26489 DUP	0507_22.D	04:20
08	SCIA-05	CI26490	0507_23.D	05:01
09	SCIA-06	CI26491	0507_24.D	05:43
10	SCIA-07	CI26492	0507_25.D	06:24
11				
12				
13				
14				
15				
16				
17				
18				
19				
20				

COMMENTS:

FORM IV AIR

4A
AIR METHOD BLANK SUMMARY

Client ID

CI26493 BLANK

Lab Name: Phoenix Environmental Labs

Client: WALDENE-IPARK

Lab Code: Phoenix Case No.: _____

SAS No.: _____

SDG No.: GCI26486

Lab File ID: 0510_07.D

Lab Sample ID: CI26493 BLK

Date Analyzed: 05/10/2021

Time Analyzed: 10:22

GC Column: RTX-VMS

Lab Batch ID: 574676

Instrument ID: CHEM24

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	CI26493 LCS	CI26493 LCS	0510_04.D	08:42
02	CI26493 LCSD	CI26493 LCS	0510_05.D	09:19
03	SCIA-08	CI26493	0510_08.D	11:04
04	SCIA-08 DUP	CI26493 DUP	0510_09.D	11:45
05	SC-DUP	CI26494	0510_10.D	12:27
06	SC-FB	CI26495	0510_11.D	13:08
07	SCSSV-06	CI26496	0510_12.D	13:49
08	SCSSV-08	CI26497	0510_13.D	14:31
09	SCAA-01	CI26498	0510_14.D	15:12
10	SCIA-02 5X	CI26487 5X	0510_22.D	20:07
11	SCIA-04 5X	CI26489 5X	0510_23.D	20:41
12	SCIA-05 2X	CI26490 2X	0510_24.D	21:18
13	SCIA-07 5X	CI26492 5X	0510_25.D	21:52
14	SCSSV-06 184X	CI26496 184X	0510_26.D	22:24
15	SCSSV-08 159.3X	CI26497 159.3X	0510_27.D	22:57
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.: GCI26486

Lab File ID: 0421_02.D

BFB Injection Date: 04/21/21

Instrument ID: CHEM24

BFB Injection Time: 22:17

GC Column: RTX-VMS

Heated Purge: (Y/N) Y

AutoFind: Scans 1653, 1654, 1655; Background Corrected with Scan 1644

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	8.0 - 40.0% of mass 95	28.2
75	30.0 - 66.0% of mass 95	46.4
95	Base Peak, 100% relative abundance	100.0
96	5.0 - 9.0% of mass 95	6.7
173	Less than 2.0% of mass 174	0.0 (0.0)1
174	50.0 - 120.0% of mass 95	93.9
175	4.0 - 9.0% of mass 174	7.6 (7.1)1
176	93.0 - 101.0% of mass 174	94.9 (89.1)1
177	5.0 - 9.0% of mass 176	6.9 (6.1)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	0421_03.D	04/21/21	22:47	
02	ICAL 0.035	0.035	0421_04.D	04/21/21	23:16	
03	ICAL 0.05	0.05	0421_05.D	04/22/21	00:34	
04	ICAL 0.1	0.10	0421_06.D	04/22/21	01:06	
05	ICAL 0.25	0.20	0421_07.D	04/22/21	01:39	
06	ICAL 0.5	0.50	0421_08.D	04/22/21	02:14	
07	ICAL 2.5	2.5	0421_09.D	04/22/21	02:49	
08	ICAL 5	5.0	0421_10.D	04/22/21	03:21	
09	ICAL 25	25	0421_11.D	04/22/21	03:57	
10	ICAL 40	40	0421_12.D	04/22/21	04:37	
11	ICAL 1	1ppb	0421_14.D	04/22/21	05:40	
12	ICAL 10	10ppb	0421_15.D	04/22/21	06:12	
13						
14						
15						
16						
17						
18						
19						
20						
21						
22						
23						
24						
25						

(*) Outside 24 hr clock

FORM V AIR

CLPBFB

Data Path : H:\AIR2021\CHEM24\04APR\21A\
 Data File : 0421_02.D
 Acq On : 21 Apr 2021 10:17 pm
 Operator : Keith
 Sample : 0/0
 Misc :
 ALS Vial : 46 Sample Multiplier: 1

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

Method : H:\AIR2021\CHEM24\METHODS\24AIR_0421.M
 Title : VOA Standards for 5 point calibration
 Last Update : Thu Apr 22 08:12:43 2021

AutoFind: Scans 1653, 1654, 1655; Background Corrected with Scan 1644

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	8	40	28.2	62064	PASS
75	95	30	66	46.4	102224	PASS
95	95	100	100	100.0	220096	PASS
96	95	5	9	6.7	14695	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	120	93.9	206763	PASS
175	174	4	9	7.6	15650	PASS
176	174	93	101	94.9	196181	PASS
177	176	5	9	6.9	13497	PASS

24AIR_0421.M Thu Apr 22 08:16:10 2021

5B
AIR INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: Phoenix Environmental Labs

Client: WALDENE-IPARK

Lab Code: Phoenix Case No.: _____

SAS No.: _____

SDG No.: GCI26486

Lab File ID: 0507_03.D

BFB Injection Date: 05/07/21

Instrument ID: CHEM24

BFB Injection Time: 14:56

GC Column: RTX-VMS

Heated Purge: (Y/N) Y

AutoFind: Scans 1651, 1652, 1653; Background Corrected with Scan 1644

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	8.0 - 40.0% of mass 95	32.8
75	30.0 - 66.0% of mass 95	49.5
95	Base Peak, 100% relative abundance	100.0
96	5.0 - 9.0% of mass 95	6.4
173	Less than 2.0% of mass 174	0.0 (0.0)1
174	50.0 - 120.0% of mass 95	89.7
175	4.0 - 9.0% of mass 174	7.7 (6.9)1
176	93.0 - 101.0% of mass 174	95.6 (85.7)1
177	5.0 - 9.0% of mass 176	6.8 (5.8)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	CCAL 1	1ppb cc	0507_03.D	05/07/21	14:56	
02	CI26489 LCS	CI26489 LCS	0507_05.D	05/07/21	16:09	
03	CI26489 LCSD	CI26489 LCSD	0507_06.D	05/07/21	17:01	
04	CI26489 BLANK	CI26489 BLANK	0507_08.D	05/07/21	18:10	
05	SCIA-01	CI26486	0507_18.D	05/08/21	01:20	
06	SCIA-02	CI26487	0507_19.D	05/08/21	02:02	
07	SCIA-03	CI26488	0507_20.D	05/08/21	02:57	
08	SCIA-04	CI26489	0507_21.D	05/08/21	03:39	
09	SCIA-04 DUP	CI26489 DUP	0507_22.D	05/08/21	04:20	
10	SCIA-05	CI26490	0507_23.D	05/08/21	05:01	
11	SCIA-06	CI26491	0507_24.D	05/08/21	05:43	
12	SCIA-07	CI26492	0507_25.D	05/08/21	06:24	
13						
14						
15						
16						
17						
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19						
20						
21						
22						
23						
24						
25						

(*) Outside 24 hr clock

FORM V AIR

CLPBFB

Data Path : H:\AIR2021\CHEM24\05MAY\07\
 Data File : 0507_03.D
 Acq On : 7 May 2021 2:56 pm
 Operator : Keith
 Sample : 1ppb cc
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

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

Method : H:\AIR2021\CHEM24\METHODS\24AIR_0421.M
 Title : VOA Standards for 5 point calibration
 Last Update : Thu Apr 22 08:23:13 2021

AutoFind: Scans 1651, 1652, 1653; Background Corrected with Scan 1644

Target	Rel. to	Lower	Upper	Rel.	Raw	Result
Mass	Mass	Limit%	Limit%	Abn%	Abn	Pass/Fail
50	95	8	40	32.8	57973	PASS
75	95	30	66	49.5	87557	PASS
95	95	100	100	100.0	176725	PASS
96	95	5	9	6.4	11316	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	120	89.7	158536	PASS
175	174	4	9	7.7	12255	PASS
176	174	93	101	95.6	151509	PASS
177	176	5	9	6.8	10262	PASS

24AIR_0421.M Fri May 07 16:26:56 2021

5B
AIR INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: Phoenix Environmental Labs

Client: WALDENE-IPARK

Lab Code: Phoenix Case No.: _____

SAS No.: _____

SDG No.: GCI26486

Lab File ID: 0510_02.D

BFB Injection Date: 05/10/21

Instrument ID: CHEM24

BFB Injection Time: 07:32

GC Column: RTX-VMS

Heated Purge: (Y/N) Y

AutoFind: Scans 1651, 1652, 1653; Background Corrected with Scan 1642

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	8.0 - 40.0% of mass 95	29.0
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	6.5
173	Less than 2.0% of mass 174	0.4 (0.5)1
174	50.0 - 120.0% of mass 95	95.0
175	4.0 - 9.0% of mass 174	7.7 (7.3)1
176	93.0 - 101.0% of mass 174	96.1 (91.3)1
177	5.0 - 9.0% of mass 176	6.5 (5.9)1

1-Value is % mass 95

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

	CLIENT ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED	
01	CCAL 1	1ppb cc	0510_02.D	05/10/21	07:32	
02	CI26493 LCS	CI26493 LCS	0510_04.D	05/10/21	08:42	
03	CI26493 LCSD	CI26493 LCSD	0510_05.D	05/10/21	09:19	
04	CI26493 BLANK	CI26493 BLANK	0510_07.D	05/10/21	10:22	
05	SCIA-08	CI26493	0510_08.D	05/10/21	11:04	
06	SCIA-08 DUP	CI26493 DUP	0510_09.D	05/10/21	11:45	
07	SC-DUP	CI26494	0510_10.D	05/10/21	12:27	
08	SC-FB	CI26495	0510_11.D	05/10/21	13:08	
09	SCSSV-06	CI26496	0510_12.D	05/10/21	13:49	
10	SCSSV-08	CI26497	0510_13.D	05/10/21	14:31	
11	SCAA-01	CI26498	0510_14.D	05/10/21	15:12	
12	SCIA-02 5X	CI26487 5X	0510_22.D	05/10/21	20:07	
13	SCIA-04 5X	CI26489 5X	0510_23.D	05/10/21	20:41	
14	SCIA-05 2X	CI26490 2X	0510_24.D	05/10/21	21:18	
15	SCIA-07 5X	CI26492 5X	0510_25.D	05/10/21	21:52	
16	SCSSV-06 184X	CI26496 184X	0510_26.D	05/10/21	22:24	
17	SCSSV-08 159.3X	CI26497 159.3X	0510_27.D	05/10/21	22:57	
18						
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24						
25						

(*) Outside 24 hr clock

FORM V AIR

CLPBFB

Data Path : H:\AIR2021\CHEM24\05MAY\10\
 Data File : 0510_02.D
 Acq On : 10 May 2021 7:32 am
 Operator : Keith
 Sample : 1ppb cc
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

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

Method : H:\AIR2021\CHEM24\METHODS\24AIR_0421.M
 Title : VOA Standards for 5 point calibration
 Last Update : Thu Apr 22 08:23:13 2021

AutoFind: Scans 1651, 1652, 1653; Background Corrected with Scan 1642

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	8	40	29.0	59896	PASS
75	95	30	66	45.9	94717	PASS
95	95	100	100	100.0	206315	PASS
96	95	5	9	6.5	13427	PASS
173	174	0.00	2	0.5	892	PASS
174	95	50	120	95.0	195904	PASS
175	174	4	9	7.7	15000	PASS
176	174	93	101	96.1	188309	PASS
177	176	5	9	6.5	12237	PASS

24AIR_0421.M Mon May 10 09:56:01 2021

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.: GCI26486
 Lab Method / File Id: 24AIR_0421.M / Average Date Analyzed: 04/22/21
 Instrument ID: CHEM24 Time Analyzed: 5:40
 GC Column: _____ ID: 0.18 (mm) Heated Purge:(Y/N) Y

	IS1 (BCM) Area Avg #	RT Avg #	IS2 (DFB) Area Avg #	RT Avg #	IS3 (CBZ) Area Avg #	RT Avg #			LAB FILE ID
12 HOUR STD	168673	5.30	557838	7.24	282705	10.83			Average
UPPER LIMIT	236985	5.63	783762	7.57	397200	11.16			Average
LOWER LIMIT	100360	4.97	331913	6.91	168209	10.50			Average
CLIENT ID									
01 ICAL 0.25	168234	5.29	560563	7.24	282658	10.83			0421_07.D
02 ICAL 0.5	163491	5.29	536398	7.24	271397	10.83			0421_08.D
03 ICAL 2.5	164690	5.29	543332	7.24	279424	10.83			0421_09.D
04 ICAL 5	161930	5.29	535126	7.24	270891	10.83			0421_10.D
05 ICAL 25	164069	5.30	544326	7.24	276989	10.83			0421_11.D
06 ICAL 40	176247	5.31	586042	7.25	297788	10.83			0421_12.D
07 ICAL 1	175257	5.29	578680	7.23	293034	10.83			0421_14.D
08 ICAL 10	175465	5.29	578235	7.24	289458	10.83			0421_15.D
09									
10									
11									
12									
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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.: GCI26486
 Lab Method / File Id: 24AIR_0421.M / Average Date Analyzed: 04/22/21
 Instrument ID: CHEM24 Time Analyzed: 5:40
 GC Column: _____ ID: 0.18 (mm) Heated Purge:(Y/N) Y

	IS1 (BCM) Area Avg #	RT Avg #	IS2 (DFB) Area Avg #	RT Avg #	IS3 (CBZ) Area Avg #	RT Avg #			LAB FILE ID
12 HOUR STD	172710	5.30	554635	7.24	279615	10.83			Average
UPPER LIMIT	242657	5.63	779262	7.57	392859	11.16			Average
LOWER LIMIT	102762	4.97	330008	6.91	166371	10.50			Average
CLIENT ID									
01 ICAL 0.02	171220	5.30	561474	7.24	280784	10.83			0421_03.D
02 ICAL 0.035	170543	5.31	553866	7.25	270379	10.83			0421_04.D
03 ICAL 0.05	168311	5.30	539820	7.24	276618	10.83			0421_05.D
04 ICAL 0.1	174068	5.30	558854	7.24	281508	10.83			0421_06.D
05 ICAL 0.25	173355	5.29	560563	7.24	282658	10.83			0421_07.D
06 ICAL 0.5	168896	5.30	536398	7.24	271397	10.83			0421_08.D
07 ICAL 2.5	170376	5.30	543332	7.24	279424	10.83			0421_09.D
08 ICAL 5	167130	5.29	535126	7.24	270891	10.83			0421_10.D
09 ICAL 1	181886	5.29	578680	7.23	293034	10.83			0421_14.D
10 ICAL 10	181311	5.30	578235	7.24	289458	10.83			0421_15.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.: GCI26486
 Lab Method / File Id: 24AIR_0421.M / 0507_03.D Date Analyzed: 05/07/21
 Instrument ID: CHEM24 Time Analyzed: 14:56
 GC Column: RTX-VMS 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	134080	5.27	434324	7.22	228458	10.82			0507_03.D
UPPER LIMIT	188382	5.60	610225	7.55	320983	11.15			0507_03.D
LOWER LIMIT	79778	4.94	258423	6.89	135933	10.49			0507_03.D
CLIENT ID									
01 CCAL 1	134080	5.27	434324	7.22	228458	10.82			0507_03.D
02 CI26489 LCS	142191	5.27	449496	7.22	239103	10.82			0507_05.D
03 CI26489 LCSD	145955	5.27	463804	7.22	245607	10.82			0507_06.D
04 CI26489 BLANK	140345	5.27	448239	7.22	230926	10.82			0507_08.D
05 SCIA-01	127799	5.27	408087	7.22	214922	10.82			0507_18.D
06 SCIA-02	128191	5.27	400726	7.22	212992	10.82			0507_19.D
07 SCIA-03	130987	5.27	411662	7.22	220743	10.82			0507_20.D
08 SCIA-04	125862	5.27	402197	7.22	212995	10.82			0507_21.D
09 SCIA-04 DUP	130340	5.27	412447	7.23	217552	10.82			0507_22.D
10 SCIA-05	128331	5.27	406051	7.23	214218	10.82			0507_23.D
11 SCIA-06	128984	5.28	402104	7.22	213227	10.82			0507_24.D
12 SCIA-07	125979	5.27	404215	7.23	217154	10.82			0507_25.D
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.: GCI26486
 Lab Method / File Id: 24AIR_0421.M / 0507_03.D Date Analyzed: 05/07/21
 Instrument ID: CHEM24 Time Analyzed: 14:56
 GC Column: RTX-VMS 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	140703	5.28	434324	7.22	228458	10.82			0507_03.D
UPPER LIMIT	197688	5.61	610225	7.55	320983	11.15			0507_03.D
LOWER LIMIT	83718	4.95	258423	6.89	135933	10.49			0507_03.D
CLIENT ID									
01 CCAL 1	140703	5.28	434324	7.22	228458	10.82			0507_03.D
02 CI26489 LCS	147481	5.27	449496	7.22	239103	10.82			0507_05.D
03 CI26489 LCSD	150613	5.27	463804	7.22	245607	10.82			0507_06.D
04 CI26489 BLANK	145897	5.27	448239	7.22	230926	10.82			0507_08.D
05 SCIA-01	134992	5.27	408087	7.22	214922	10.82			0507_18.D
06 SCIA-02	134227	5.28	400726	7.22	212992	10.82			0507_19.D
07 SCIA-03	137271	5.28	411662	7.22	220743	10.82			0507_20.D
08 SCIA-04	133420	5.28	402197	7.22	212995	10.82			0507_21.D
09 SCIA-04 DUP	136347	5.28	412447	7.23	217552	10.82			0507_22.D
10 SCIA-05	134496	5.28	406051	7.23	214218	10.82			0507_23.D
11 SCIA-06	133487	5.28	402104	7.22	213227	10.82			0507_24.D
12 SCIA-07	132665	5.28	404215	7.23	217154	10.82			0507_25.D
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.: GCI26486
 Lab Method / File Id: 24AIR_0421.M / 0510_02.D Date Analyzed: 05/10/21
 Instrument ID: CHEM24 Time Analyzed: 7:32
 GC Column: RTX-VMS 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	175663	5.26	555074	7.21	278856	10.81			0510_02.D
UPPER LIMIT	246807	5.59	779879	7.54	391793	11.14			0510_02.D
LOWER LIMIT	104519	4.93	330269	6.88	165919	10.48			0510_02.D
CLIENT ID									
01 CCAL 1	175663	5.26	555074	7.21	278856	10.81			0510_02.D
02 CI26493 LCS	156948	5.27	504989	7.22	260292	10.82			0510_04.D
03 CI26493 LCSD	159419	5.27	501482	7.22	259532	10.81			0510_05.D
04 CI26493 BLANK	146786	5.26	464076	7.21	240937	10.81			0510_07.D
05 SCIA-08	134570	5.26	429673	7.21	225797	10.81			0510_08.D
06 SCIA-08 DUP	131809	5.26	420847	7.21	220879	10.81			0510_09.D
07 SC-DUP	132500	5.26	421054	7.21	223428	10.81			0510_10.D
08 SC-FB	125538	5.26	406028	7.21	213361	10.81			0510_11.D
09 SCSSV-06	125609	5.26	404318	7.22	210208	10.81			0510_12.D
10 SCSSV-08	127404	5.26	406220	7.21	218404	10.81			0510_13.D
11 SCAA-01	125408	5.26	410506	7.21	210806	10.81			0510_14.D
12 SCIA-02 5X	133768	5.26	433350	7.21	217759	10.81			0510_22.D
13 SCIA-04 5X	126609	5.26	405763	7.21	210928	10.80			0510_23.D
14 SCIA-05 2X	120033	5.26	389913	7.21	201552	10.80			0510_24.D
15 SCIA-07 5X	119255	5.25	382797	7.21	200934	10.80			0510_25.D
16 SCSSV-06 184X	116386	5.25	371515	7.21	196983	10.80			0510_26.D
17 SCSSV-08 159.3X	115995	5.25	367961	7.21	196635	10.80			0510_27.D
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.: GCI26486
 Lab Method / File Id: 24AIR_0421.M / 0510_02.D Date Analyzed: 05/10/21
 Instrument ID: CHEM24 Time Analyzed: 7:32
 GC Column: RTX-VMS 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	179728	5.27	555074	7.21	278856	10.81			0510_02.D
UPPER LIMIT	252518	5.60	779879	7.54	391793	11.14			0510_02.D
LOWER LIMIT	106938	4.94	330269	6.88	165919	10.48			0510_02.D
CLIENT ID									
01 CCAL 1	179728	5.27	555074	7.21	278856	10.81			0510_02.D
02 CI26493 LCS	163040	5.27	504989	7.22	260292	10.82			0510_04.D
03 CI26493 LCSD	163599	5.27	501482	7.22	259532	10.81			0510_05.D
04 CI26493 BLANK	151389	5.27	464076	7.21	240937	10.81			0510_07.D
05 SCIA-08	141495	5.26	429673	7.21	225797	10.81			0510_08.D
06 SCIA-08 DUP	136780	5.26	420847	7.21	220879	10.81			0510_09.D
07 SC-DUP	138087	5.26	421054	7.21	223428	10.81			0510_10.D
08 SC-FB	131268	5.26	406028	7.21	213361	10.81			0510_11.D
09 SCSSV-06	131194	5.26	404318	7.22	210208	10.81			0510_12.D
10 SCSSV-08	134462	5.26	406220	7.21	218404	10.81			0510_13.D
11 SCAA-01	132259	5.26	410506	7.21	210806	10.81			0510_14.D
12 SCIA-02 5X	139571	5.26	433350	7.21	217759	10.81			0510_22.D
13 SCIA-04 5X	132885	5.26	405763	7.21	210928	10.80			0510_23.D
14 SCIA-05 2X	128985	5.26	389913	7.21	201552	10.80			0510_24.D
15 SCIA-07 5X	125598	5.26	382797	7.21	200934	10.80			0510_25.D
16 SCSSV-06 184X	123293	5.26	371515	7.21	196983	10.80			0510_26.D
17 SCSSV-08 159.3X	122334	5.26	367961	7.21	196635	10.80			0510_27.D
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:	WALDENE-IPARK	Lab:	Phoenix Env. Labs
SDG No.:	GCI26486	Lab Sample ID:	CI26486
Canister:	28595	Lab File ID:	0507_18.D
Instrument:	CHEM24	Column:	RTX-VMS
Purge Volume	200 (cc)	Date Received:	05/07/21
		Date Analyzed:	05/08/21
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:\AIR2021\CHEM24\05MAY\07\
 Data File : 0507_18.D
 Acq On : 8 May 2021 1:20 am
 Operator : Keith
 Client ID : SCIA-01
 Lab ID : CI26486
 ALS Vial : 17 Sample Multiplier: 1

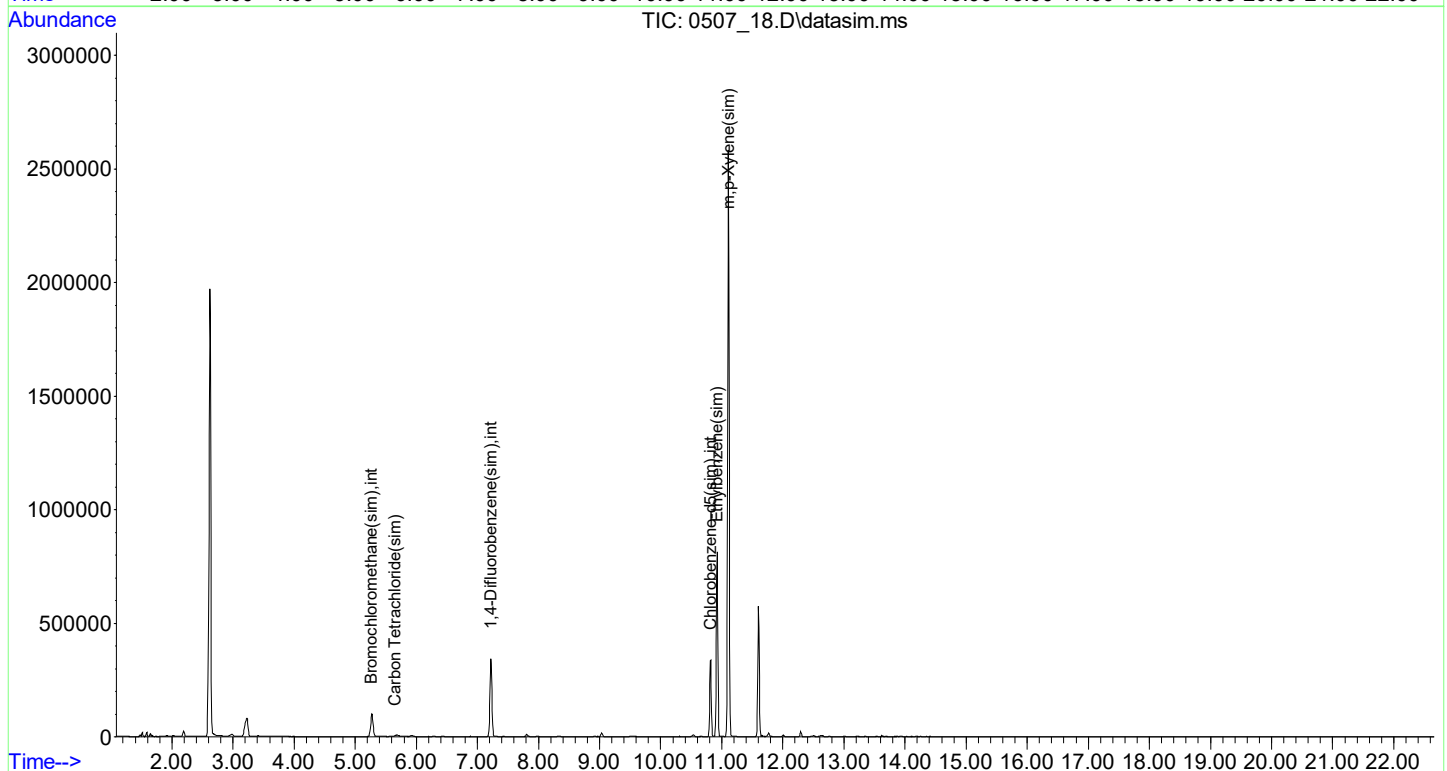
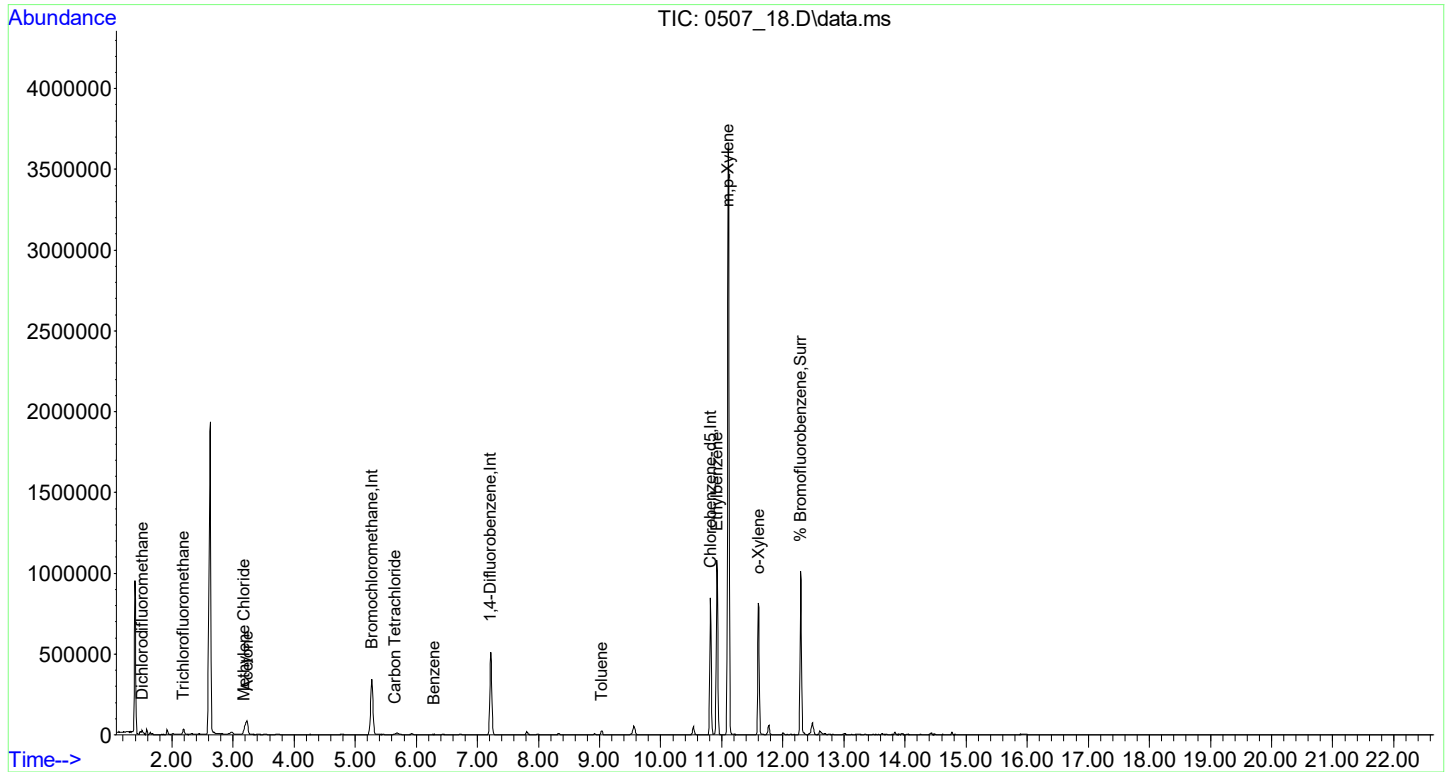
Quant Time: May 08 14:50:08 2021
 Quant Method : H:\AIR2021\CHEM24\METHODS\24AIR_0421.M
 Quant Title : VOA Standards for 5 point calibration
 QLast Update : Thu Apr 22 08:23:13 2021
 Response via : Initial Calibration

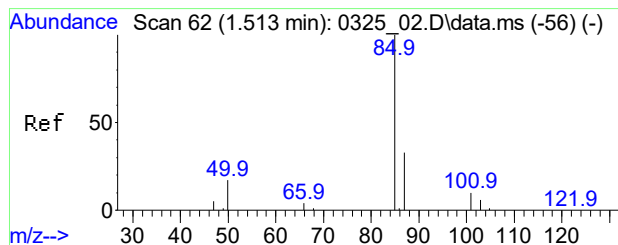
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	5.274	130	127799	10.000	ng	-0.02
36) 1,4-Difluorobenzene	7.220	114	408087	10.000	ng	-0.02
53) Chlorobenzene-d5	10.818	82	214922	10.000	ng	-0.01
80) Bromochloromethane(sim)	5.270	130	134992	10.000	ng	#-0.02
95) 1,4-Difluorobenzene(sim)	7.220	114	408087	10.000	ng	-0.02
105) Chlorobenzene-d5(sim)	10.818	82	214922	10.000	ng	-0.01
System Monitoring Compounds						
62) % Bromofluorobenzene	12.291	95	314450	10.432	ppbv	-0.01
Spiked Amount	10.000	Range	70 - 130	Recovery	=	104.30%
Target Compounds						
					Qvalue	
3) Dichlorodifluoromethane	1.512	85	11329	0.400	ppbv	100
12) Acetone	3.231	43	112366	3.366	ppbv	98
13) Trichlorofluoromethane	2.184	101	13627	0.407	ppbv	96
17) Methylene Chloride	3.176	49	10493	0.462	ppbv#	90
33) Benzene	6.295	78	1663	0.055	ppbv#	85
34) Carbon Tetrachloride	5.656	117	2637	0.083	ppbv	96
48) Toluene	9.034	91	15947	0.422	ppbv	98
56) Ethylbenzene	10.920	91	713359	13.414	ppbv	89
57) m,p-Xylene	11.106	91	1948162	47.918	ppbv	98
61) o-Xylene	11.600	91	441819	10.038	ppbv	98
86] Benzene(sim)	6.291	78	1747	0.047	ppbv#	91
87] Carbon Tetrachloride(sim)	5.652	117	2906m	0.086	ppbv	97
108] Ethylbenzene(sim)	10.923	91	798922	12.776	ppb	99
109] m,p-Xylene(sim)	11.106	91	1949432	46.278	ppbv	98

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

Data Path : H:\AIR2021\CHEM24\05MAY\07\
Data File : 0507_18.D
Acq On : 8 May 2021 1:20 am
Operator : Keith
Client ID : SCIA-01
Lab ID : CI26486
ALS Vial : 17 Sample Multiplier: 1

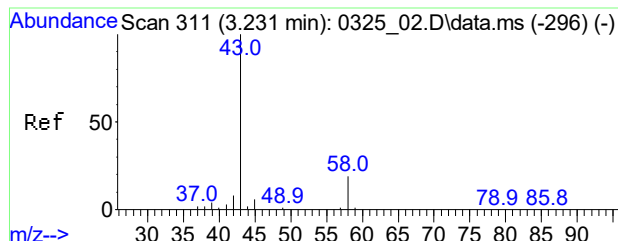
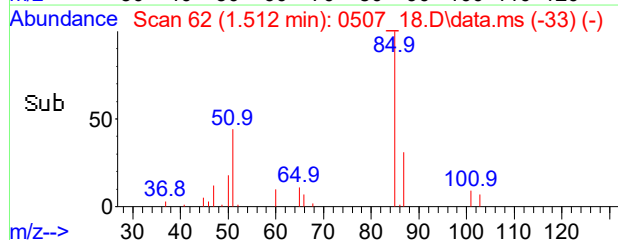
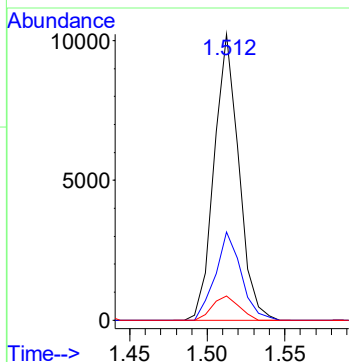
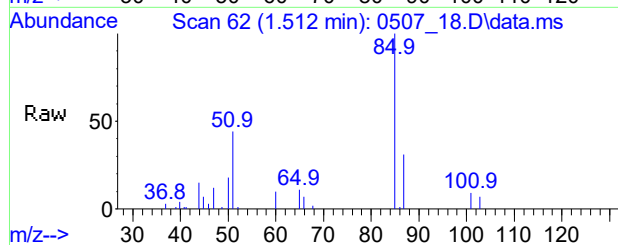
Quant Time: May 08 14:50:08 2021
Quant Method : H:\AIR2021\CHEM24\METHODS\24AIR_0421.M
Quant Title : VOA Standards for 5 point calibration
QLast Update : Thu Apr 22 08:23:13 2021
Response via : Initial Calibration





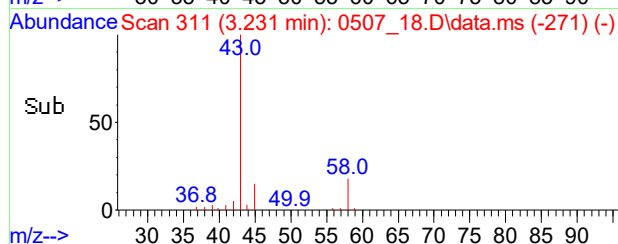
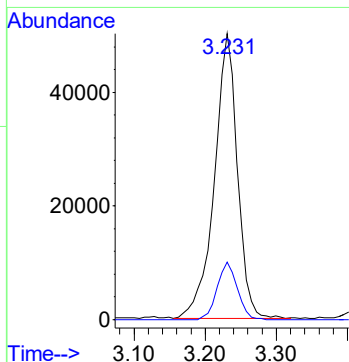
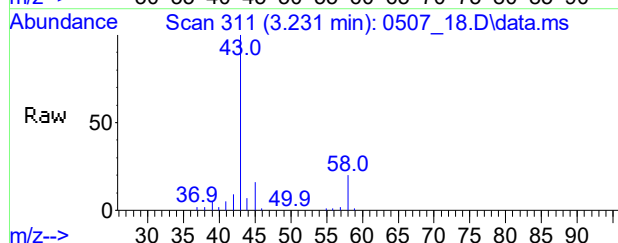
#3
Dichlorodifluoromethane
Conc: 8\$ 0.400 ppbv
RT: 1.512 min Scan# 62
Delta R.T. -0.001 min
Lab File: 0507_18.D
Acq: 8 May 2021 1:20 am

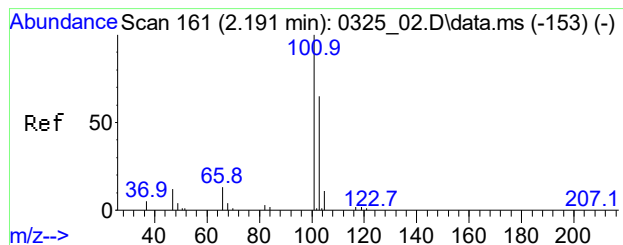
Tgt Ion: 85 Resp: 11329
Ion Ratio Lower Upper
85 100
87 32.4 25.8 38.8
101 9.2 7.3 10.9



#12
Acetone
Conc: 8\$ 3.366 ppbv
RT: 3.231 min Scan# 311
Delta R.T. -0.027 min
Lab File: 0507_18.D
Acq: 8 May 2021 1:20 am

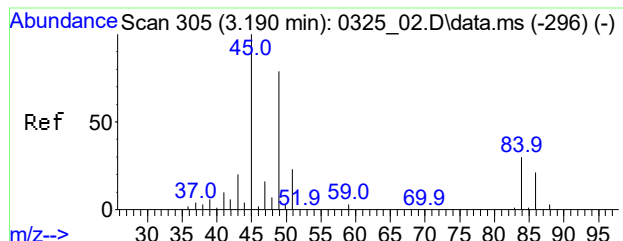
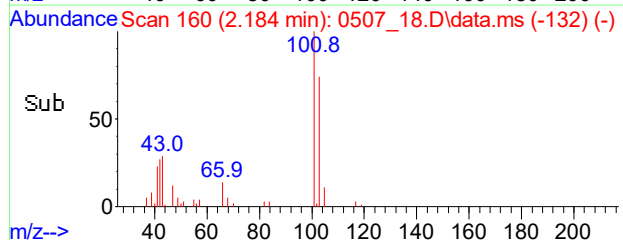
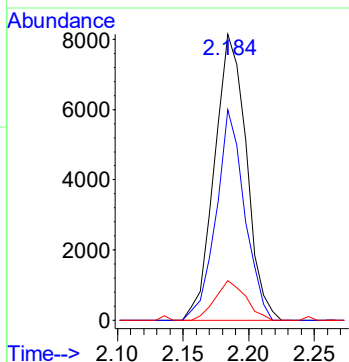
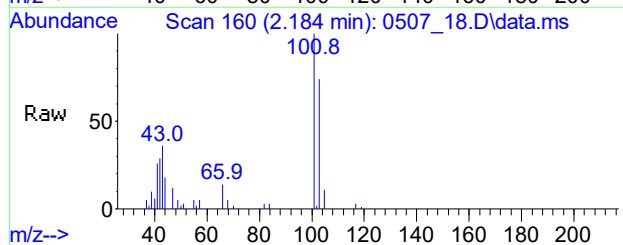
Tgt Ion: 43 Resp: 112366
Ion Ratio Lower Upper
43 100
58 17.6 15.0 22.4





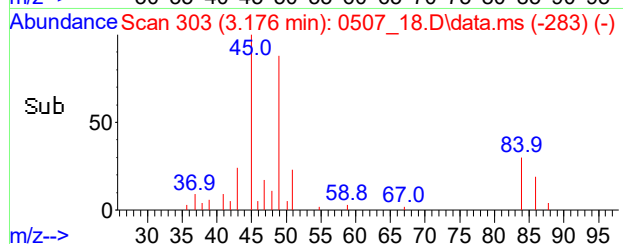
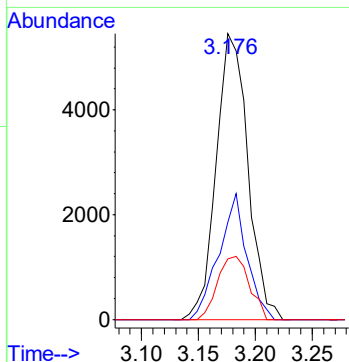
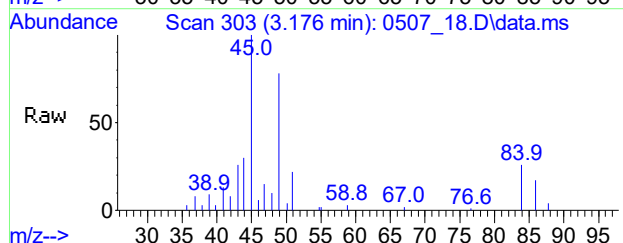
#13
Trichlorofluoromethane
Conc: 8\$ 0.407 ppbv
RT: 2.184 min Scan# 160
Delta R.T. -0.007 min
Lab File: 0507_18.D
Acq: 8 May 2021 1:20 am

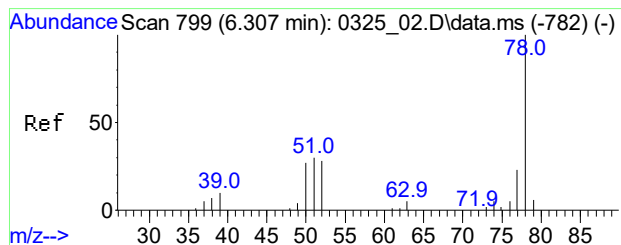
Tgt Ion	Ratio	Lower	Upper
101	100		
103	65.4	54.6	82.0
66	13.2	12.2	18.4



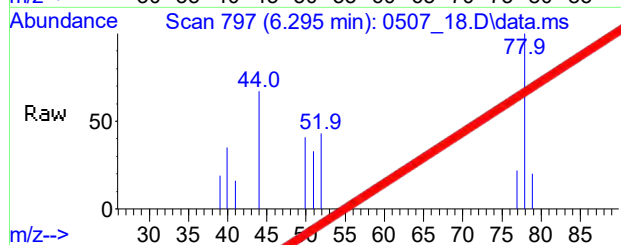
#17
Methylene Chloride
Conc: 8\$ 0.462 ppbv
RT: 3.176 min Scan# 303
Delta R.T. -0.014 min
Lab File: 0507_18.D
Acq: 8 May 2021 1:20 am

Tgt Ion	Ratio	Lower	Upper
49	100		
84	39.1	36.2	54.2
86	22.2	22.3	33.5#

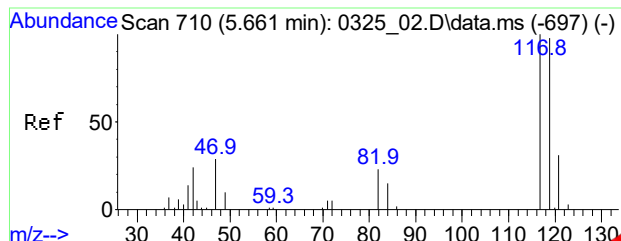
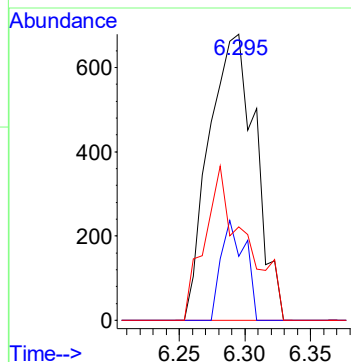
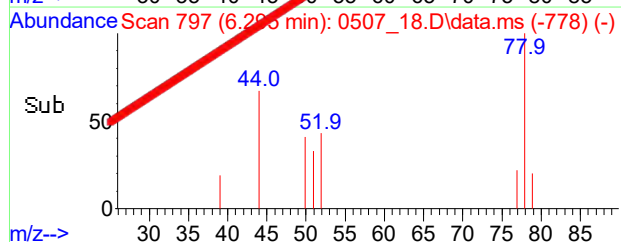




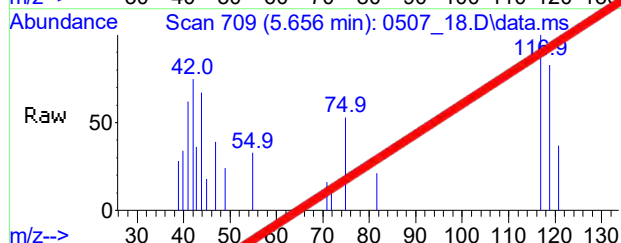
#33
Benzene
Conc: 8% Below Cal
RT: 6.295 min Scan# 797
Delta R.T. -0.019 min
Lab File: 0507_18.D
Acq: 8 May 2021 1:20 am



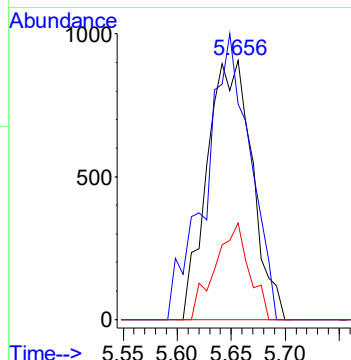
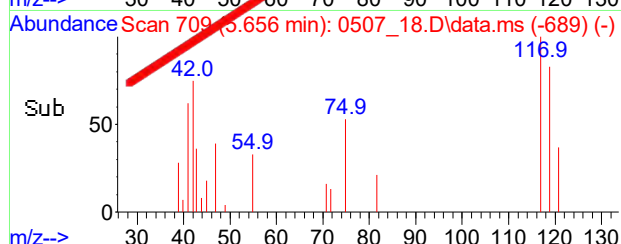
Tgt Ion: 78 Resp: 1663
Ion Ratio Lower Upper
78 100
77 17.9 19.1 28.7#
51 47.8 30.3 45.5#

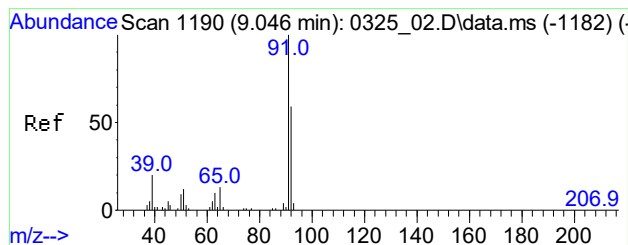


#34
Carbon Tetrachloride
Conc: 8% Below Cal
RT: 5.656 min Scan# 709
Delta R.T. -0.005 min
Lab File: 0507_18.D
Acq: 8 May 2021 1:20 am



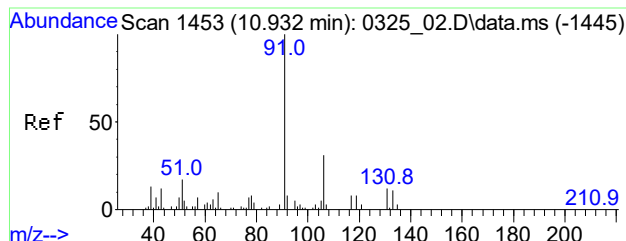
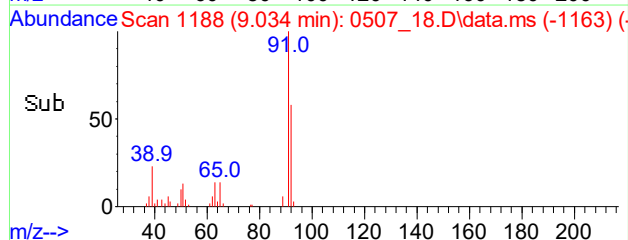
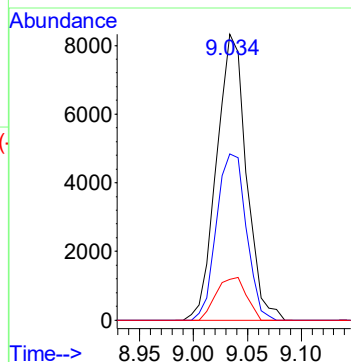
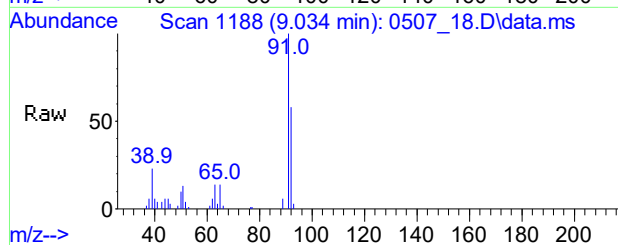
Tgt Ion: 117 Resp: 2637
Ion Ratio Lower Upper
117 100
119 108.3 85.1 125.1
121 28.1 11.0 51.0





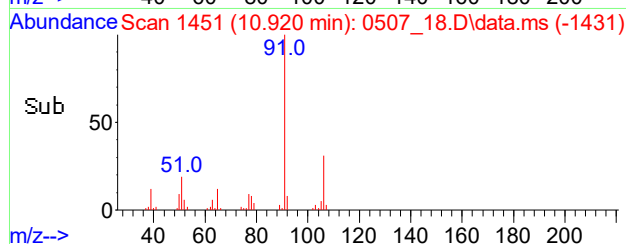
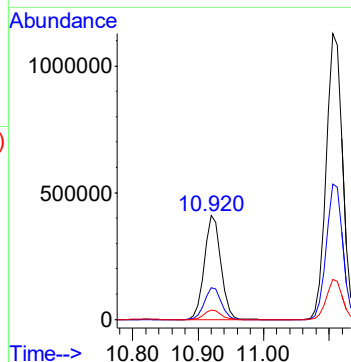
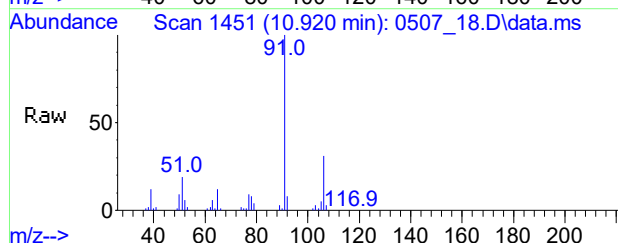
#48
Toluene
Conc: 8\$ 0.422 ppbv
RT: 9.034 min Scan# 1188
Delta R.T. -0.019 min
Lab File: 0507_18.D
Acq: 8 May 2021 1:20 am

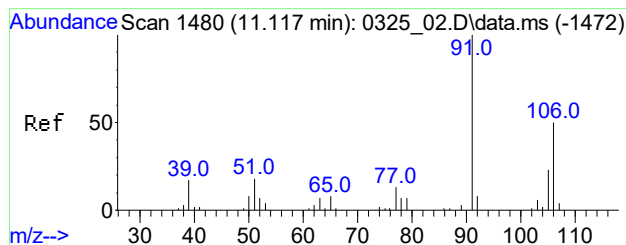
Tgt Ion: 91 Resp: 15947
Ion Ratio Lower Upper
91 100
92 58.1 47.4 71.2
65 15.1 10.2 15.4



#56
Ethylbenzene
Conc: 8\$ 13.414 ppbv
RT: 10.920 min Scan# 1451
Delta R.T. -0.012 min
Lab File: 0507_18.D
Acq: 8 May 2021 1:20 am

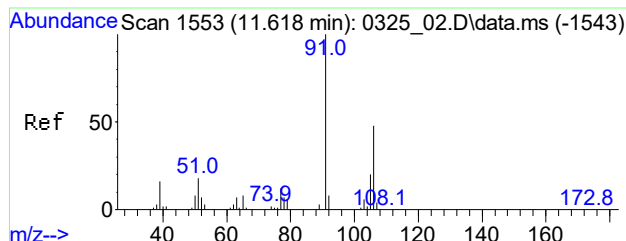
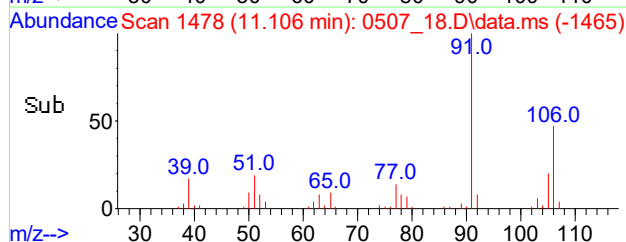
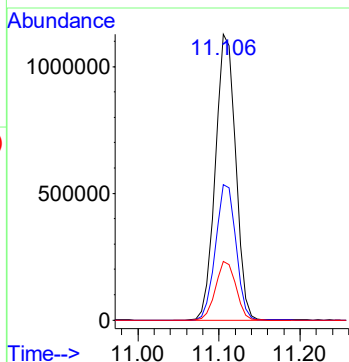
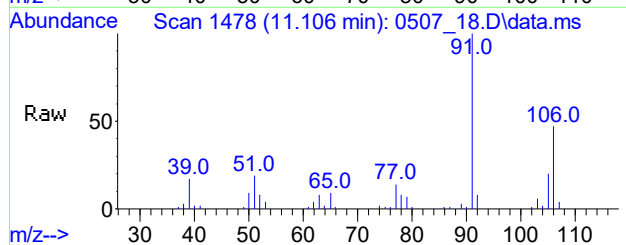
Tgt Ion: 91 Resp: 713359
Ion Ratio Lower Upper
91 100
106 30.9 17.7 57.7
77 9.1 0.0 32.7





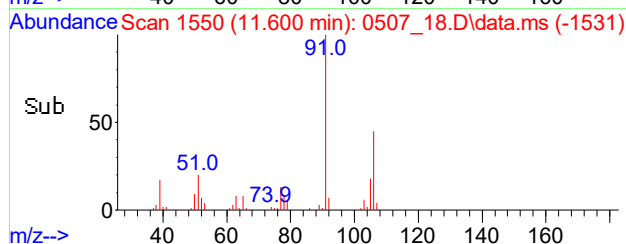
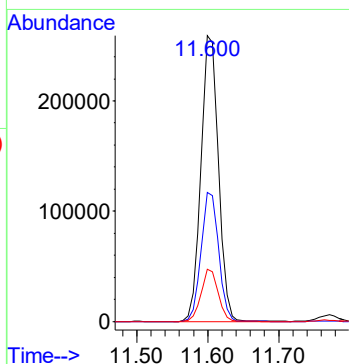
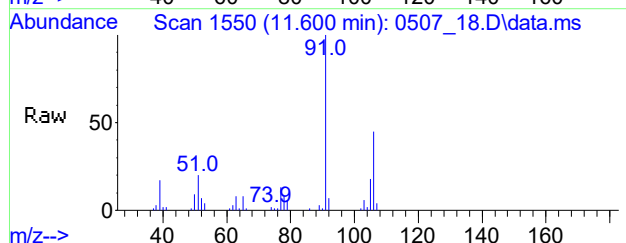
#57
m,p-Xylene
Conc: 8\$ 47.918 ppbv
RT: 11.106 min Scan# 1478
Delta R.T. -0.011 min
Lab File: 0507_18.D
Acq: 8 May 2021 1:20 am

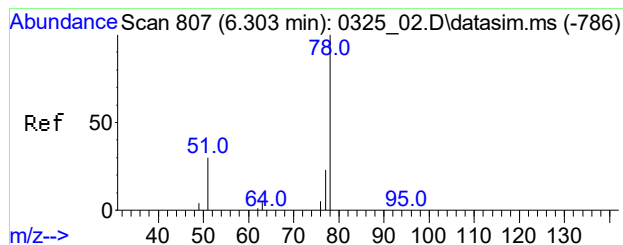
Tgt Ion: 91 Resp: 1948162
Ion Ratio Lower Upper
91 100
106 47.7 39.4 59.2
105 20.6 16.8 25.2



#61
o-Xylene
Conc: 8\$ 10.038 ppbv
RT: 11.600 min Scan# 1550
Delta R.T. -0.018 min
Lab File: 0507_18.D
Acq: 8 May 2021 1:20 am

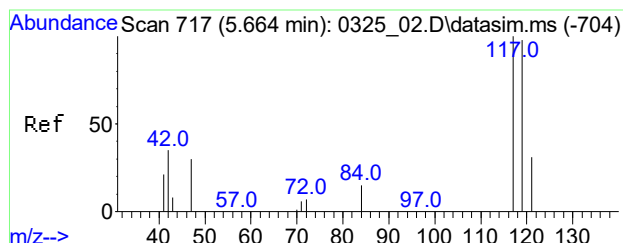
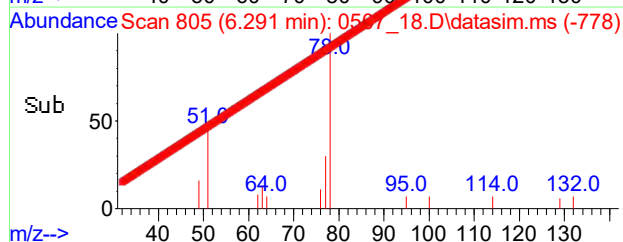
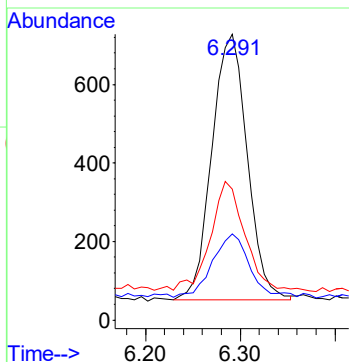
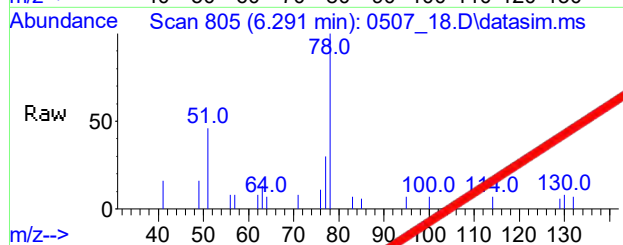
Tgt Ion: 91 Resp: 441819
Ion Ratio Lower Upper
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106 45.3 37.5 56.3
105 17.8 13.5 20.3





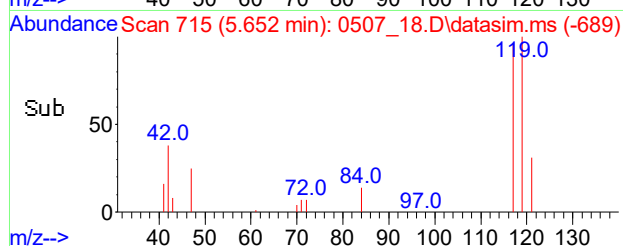
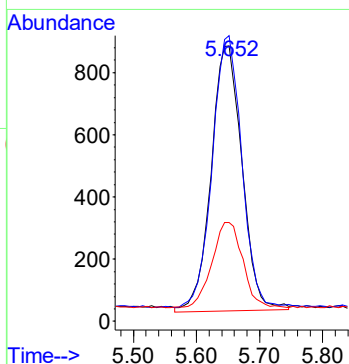
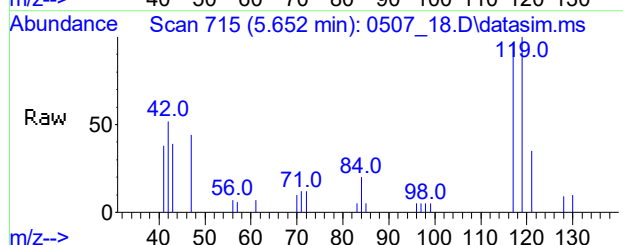
#86
Benzene(sim)
Conc: 8\$ Below Cal
RT: 6.291 min Scan# 805
Delta R.T. -0.012 min
Lab File: 0507_18.D
Acq: 8 May 2021 1:20 am

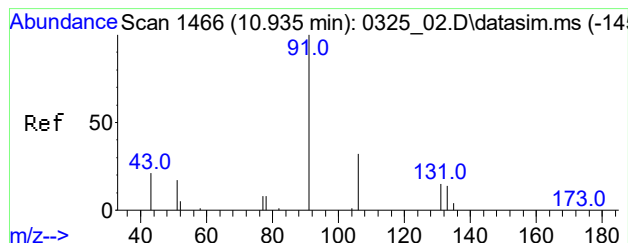
Tgt Ion: 78 Resp: 1747
Ion Ratio Lower Upper
78 100
77 23.8 18.6 28.0
51 40.5 25.4 38.2#



#87
Carbon Tetrachloride(sim)
Conc: 8\$ 0.086 ppbv
RT: 5.652 min Scan# 715
Delta R.T. -0.009 min
Lab File: 0507_18.D
Acq: 8 May 2021 1:20 am

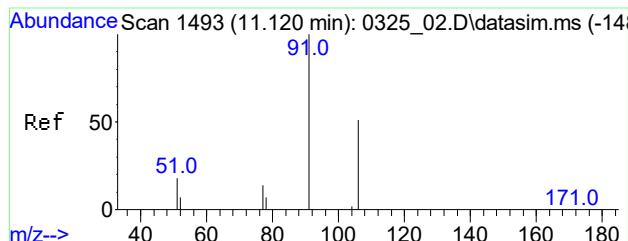
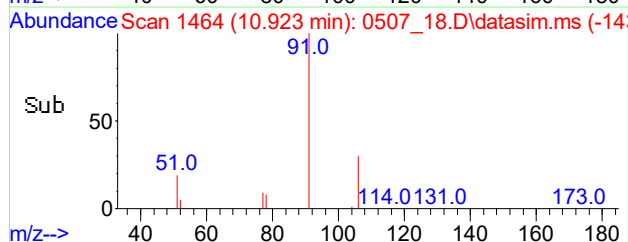
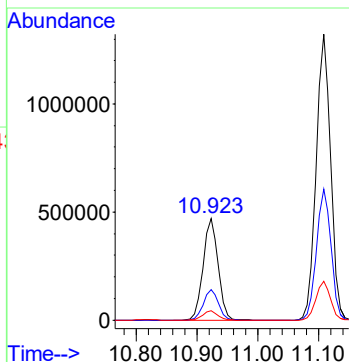
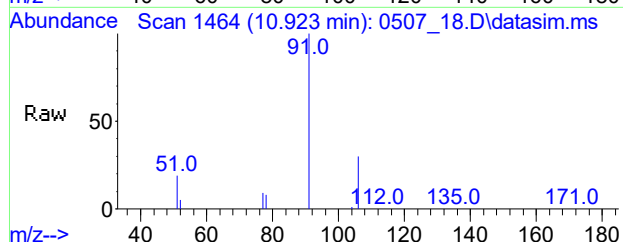
Tgt Ion: 117 Resp: 2906
Ion Ratio Lower Upper
117 100
119 89.7 84.7 127.1
121 25.5 21.1 31.7





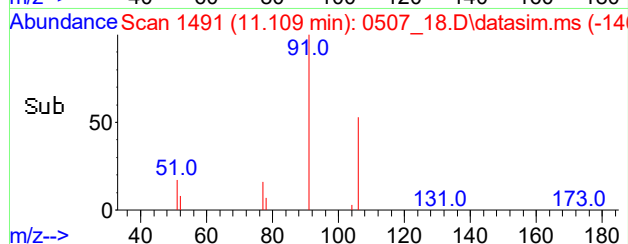
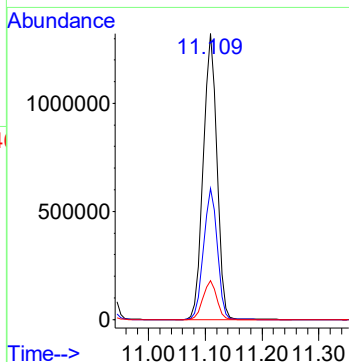
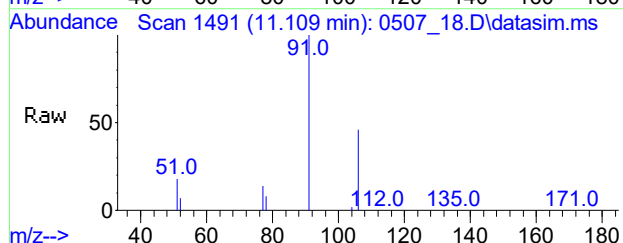
#108
Ethylbenzene(sim)
Conc: 8\$ 12.776 ppb
RT: 10.923 min Scan# 1464
Delta R.T. -0.012 min
Lab File: 0507_18.D
Acq: 8 May 2021 1:20 am

Tgt Ion: 91 Resp: 798922
Ion Ratio Lower Upper
91 100
106 30.3 24.8 37.2
77 9.0 7.5 11.3



#109
m,p-Xylene(sim)
Conc: 8\$ 46.278 ppbv
RT: 11.106 min Scan# 1491
Delta R.T. -0.011 min
Lab File: 0507_18.D
Acq: 8 May 2021 1:20 am

Tgt Ion: 91 Resp: 1949432
Ion Ratio Lower Upper
91 100
106 47.7 44.4 54.2
77 13.6 11.7 17.5



Dilution Factor: 1

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Data Path : H:\AIR2021\CHEM24\05MAY\07\
 Data File : 0507_19.D
 Acq On : 8 May 2021 2:02 am
 Operator : Keith
 Client ID : SCIA-02
 Lab ID : CI26487
 ALS Vial : 18 Sample Multiplier: 1

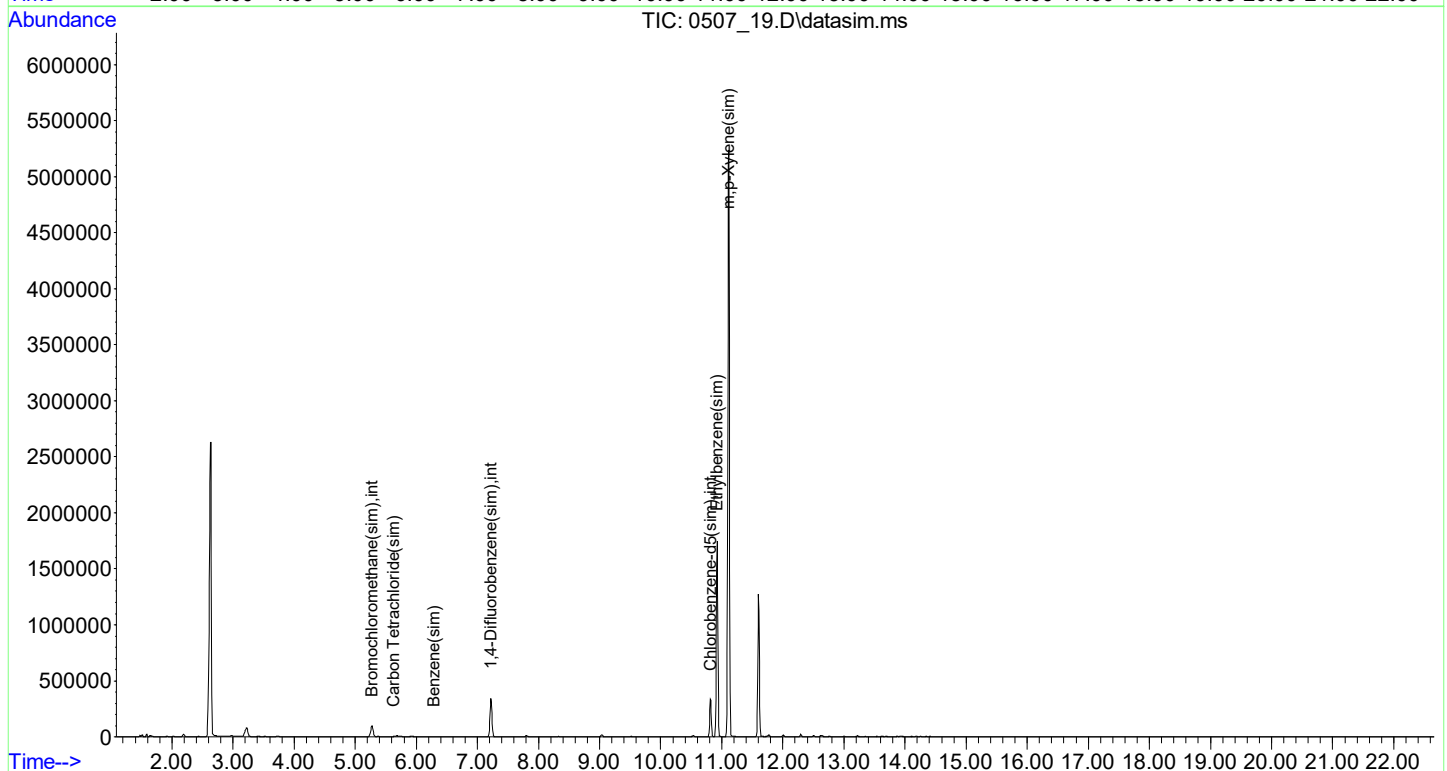
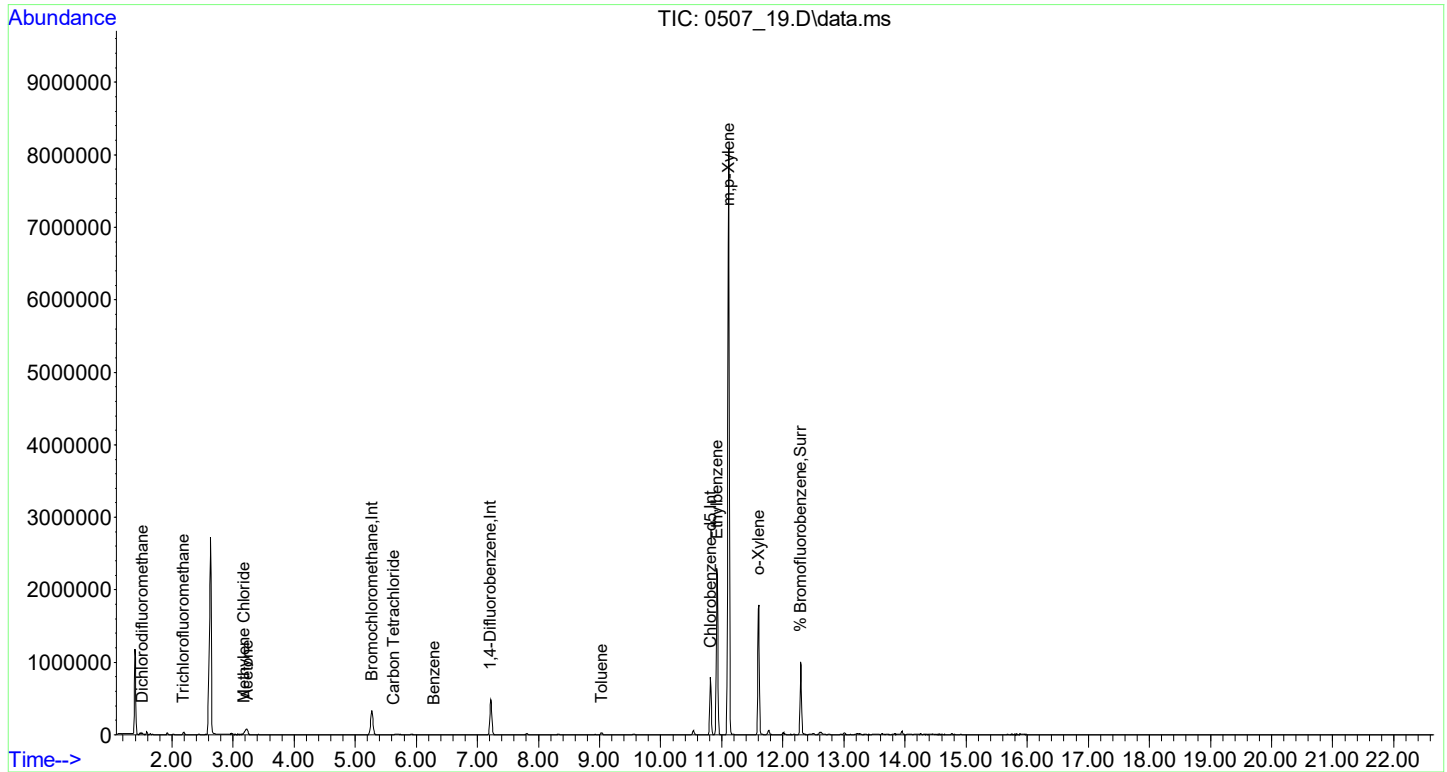
Quant Time: May 08 14:50:42 2021
 Quant Method : H:\AIR2021\CHEM24\METHODS\24AIR_0421.M
 Quant Title : VOA Standards for 5 point calibration
 QLast Update : Thu Apr 22 08:23:13 2021
 Response via : Initial Calibration

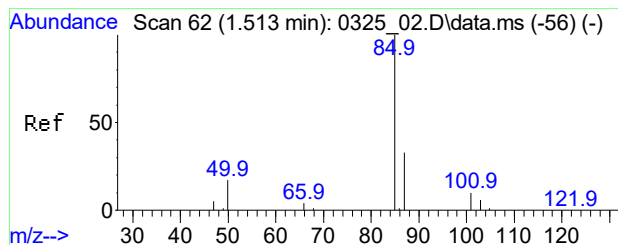
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	5.274	130	128191	10.000	ng	-0.02
36) 1,4-Difluorobenzene	7.220	114	400726	10.000	ng	-0.02
53) Chlorobenzene-d5	10.818	82	212992	10.000	ng	-0.01
80) Bromochloromethane(sim)	5.277	130	134227	10.000	ng	#-0.01
95) 1,4-Difluorobenzene(sim)	7.220	114	400726	10.000	ng	-0.02
105) Chlorobenzene-d5(sim)	10.818	82	212992	10.000	ng	-0.01
System Monitoring Compounds						
62) % Bromofluorobenzene	12.291	95	313403	10.491	ppbv	-0.01
Spiked Amount	10.000	Range	70 - 130	Recovery	=	104.90%
Target Compounds						
					Qvalue	
3) Dichlorodifluoromethane	1.512	85	11159	0.392	ppbv	96
12) Acetone	3.231	43	95255	2.845	ppbv	96
13) Trichlorofluoromethane	2.184	101	12985	0.387	ppbv	99
17) Methylene Chloride	3.176	49	10040	0.441	ppbv	94
33) Benzene	6.288	78	1651	0.054	ppbv#	86
34) Carbon Tetrachloride	5.634	117	2818	0.089	ppbv	92
48) Toluene	9.034	91	18780	0.506	ppbv	97
56) Ethylbenzene	10.920	91	1530070	29.033	ppbv	90
57) m, p-Xylene	11.113	91	4242407	105.294	ppbv	98
61) o-Xylene	11.607	91	983349	22.544	ppbv	98
86] Benzene(sim)	6.291	78	1898	0.051	ppbv	94
87] Carbon Tetrachloride(sim)	5.634	117	2738	0.082	ppbv#	83
108] Ethylbenzene(sim)	10.923	91	1730297	27.921	ppb	99
109] m, p-Xylene(sim)	11.113	91	4244263	101.667	ppbv	97

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

Data Path : H:\AIR2021\CHEM24\05MAY\07\
Data File : 0507_19.D
Acq On : 8 May 2021 2:02 am
Operator : Keith
Client ID : SCIA-02
Lab ID : CI26487
ALS Vial : 18 Sample Multiplier: 1

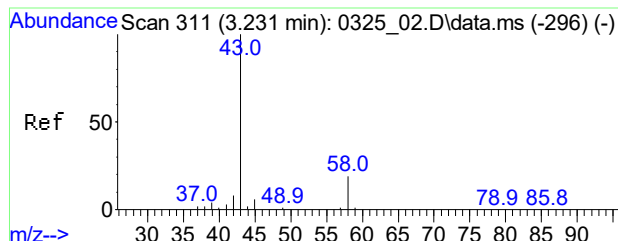
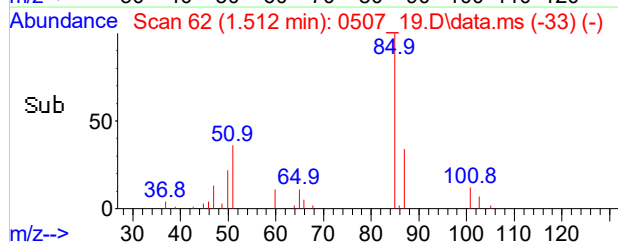
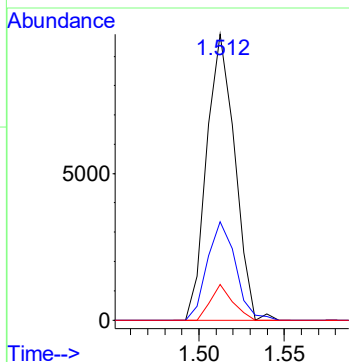
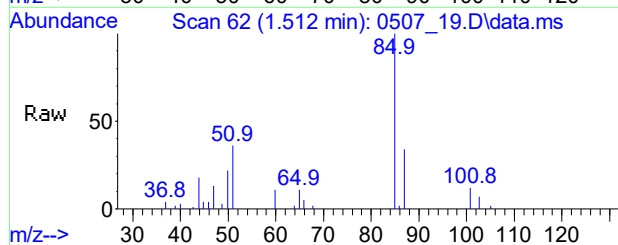
Quant Time: May 08 14:50:42 2021
Quant Method : H:\AIR2021\CHEM24\METHODS\24AIR_0421.M
Quant Title : VOA Standards for 5 point calibration
QLast Update : Thu Apr 22 08:23:13 2021
Response via : Initial Calibration





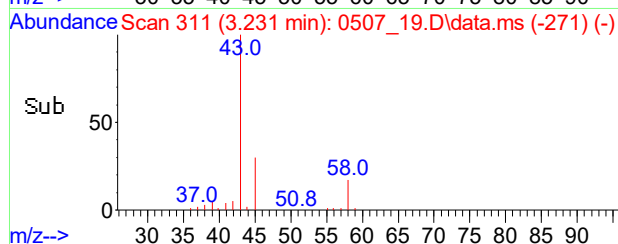
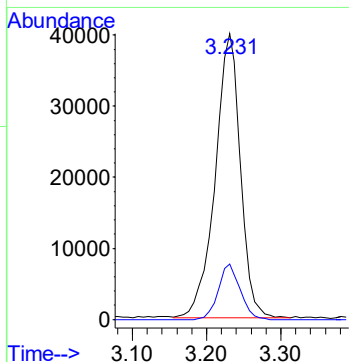
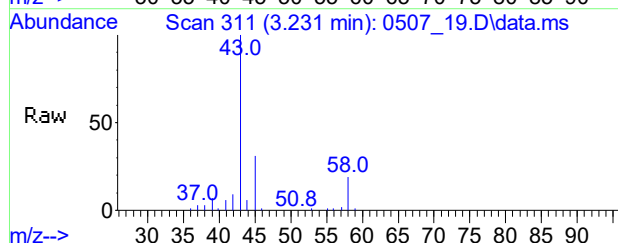
#3
Dichlorodifluoromethane
Conc: 8\$ 0.392 ppbv
RT: 1.512 min Scan# 62
Delta R.T. -0.001 min
Lab File: 0507_19.D
Acq: 8 May 2021 2:02 am

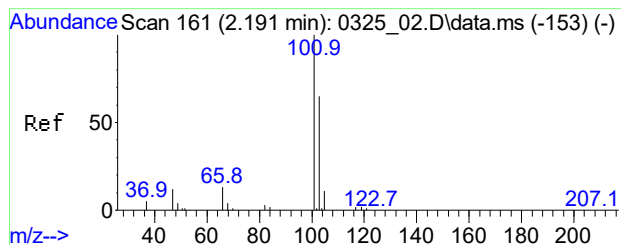
Tgt Ion: 85 Resp: 11159
Ion Ratio Lower Upper
85 100
87 34.7 25.8 38.8
101 9.8 7.3 10.9



#12
Acetone
Conc: 8\$ 2.845 ppbv
RT: 3.231 min Scan# 311
Delta R.T. -0.027 min
Lab File: 0507_19.D
Acq: 8 May 2021 2:02 am

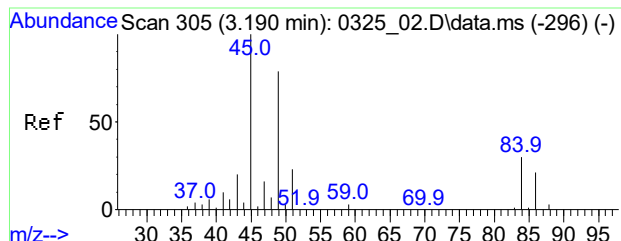
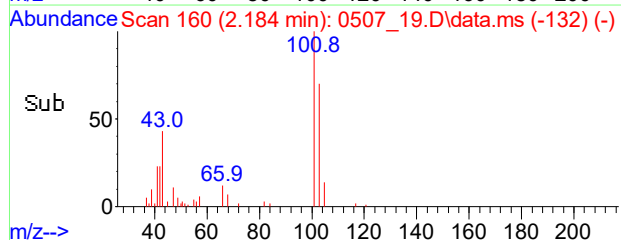
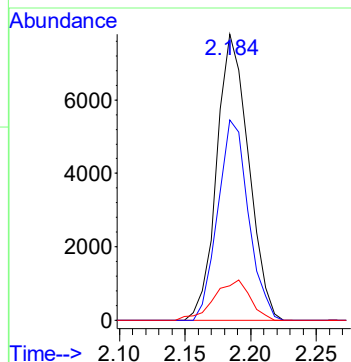
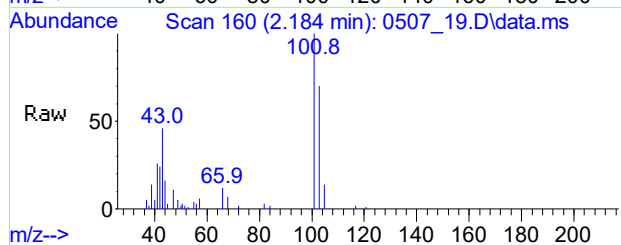
Tgt Ion: 43 Resp: 95255
Ion Ratio Lower Upper
43 100
58 16.9 15.0 22.4





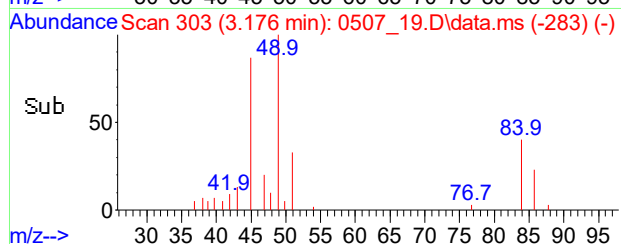
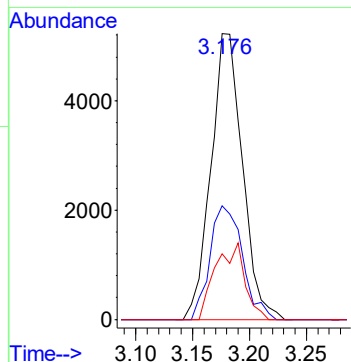
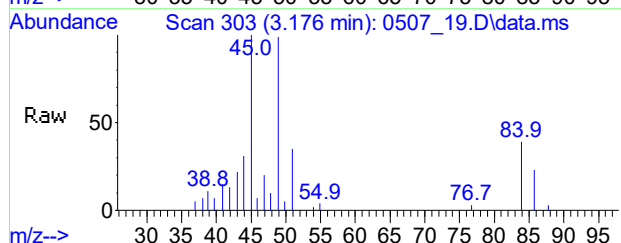
#13
Trichlorofluoromethane
Conc: 8\$ 0.387 ppbv
RT: 2.184 min Scan# 160
Delta R.T. -0.007 min
Lab File: 0507_19.D
Acq: 8 May 2021 2:02 am

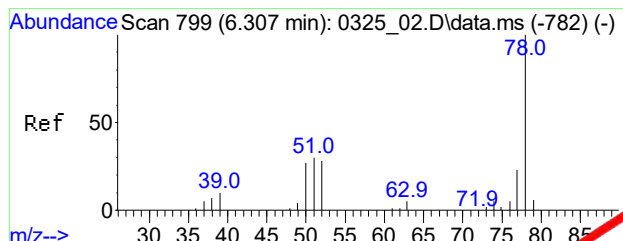
Tgt Ion	Ratio	Lower	Upper
101	100		
103	67.4	54.6	82.0
66	15.7	12.2	18.4



#17
Methylene Chloride
Conc: 8\$ 0.441 ppbv
RT: 3.176 min Scan# 303
Delta R.T. -0.014 min
Lab File: 0507_19.D
Acq: 8 May 2021 2:02 am

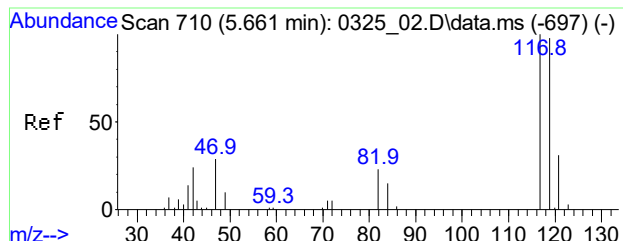
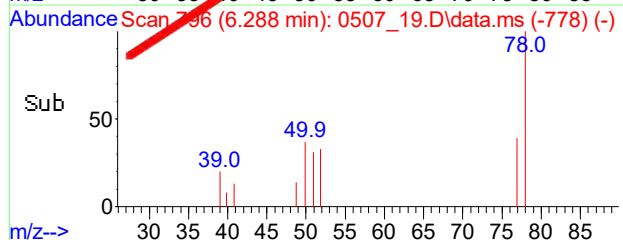
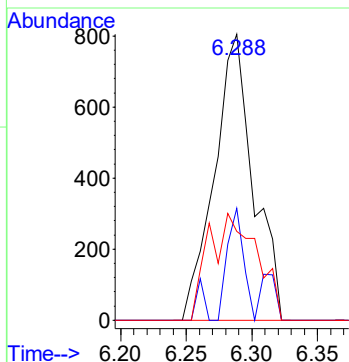
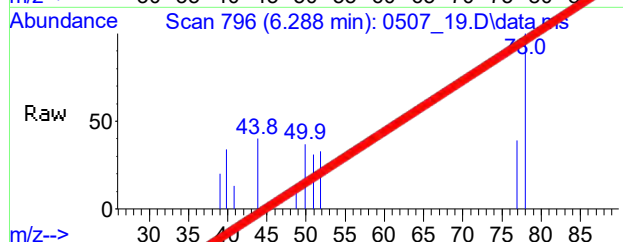
Tgt Ion	Ratio	Lower	Upper
49	100		
84	41.1	36.2	54.2
86	24.9	22.3	33.5





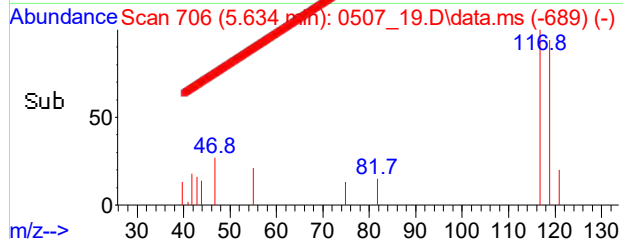
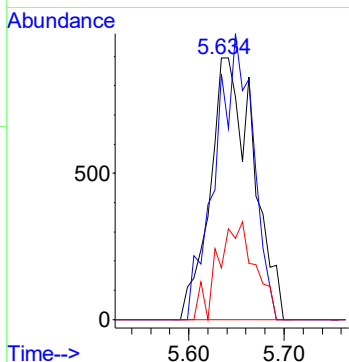
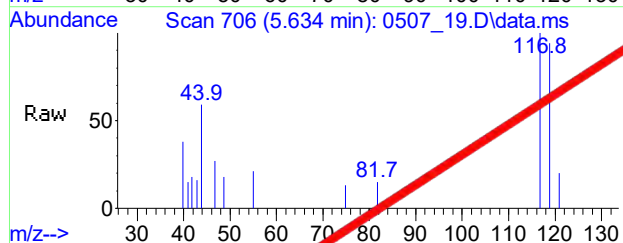
#33
Benzene
Conc: 8\$ Below Cal
RT: 6.288 min Scan# 796
Delta R.T. -0.026 min
Lab File: 0507_19.D
Acq: 8 May 2021 2:02 am

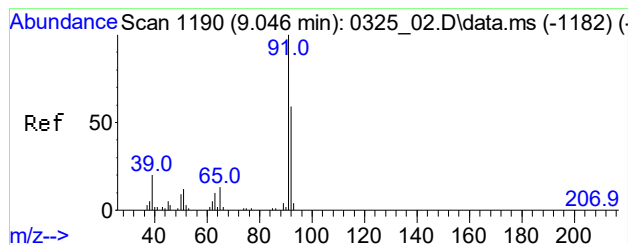
Tgt Ion: 78 Resp: 1651
Ion Ratio Lower Upper
78 100
77 16.4 19.1 28.7#
51 46.0 30.3 45.5#



#34
Carbon Tetrachloride
Conc: 8\$ Below Cal
RT: 5.634 min Scan# 706
Delta R.T. -0.027 min
Lab File: 0507_19.D
Acq: 8 May 2021 2:02 am

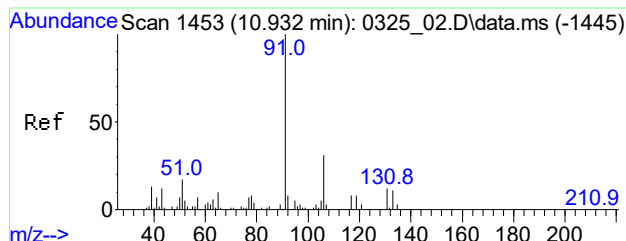
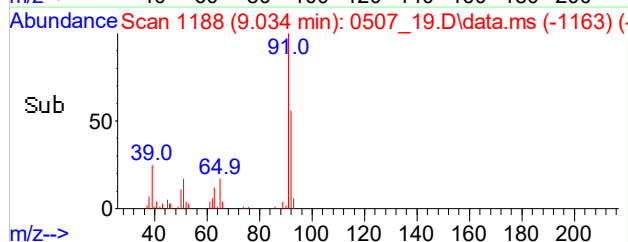
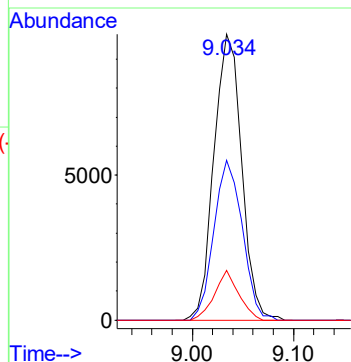
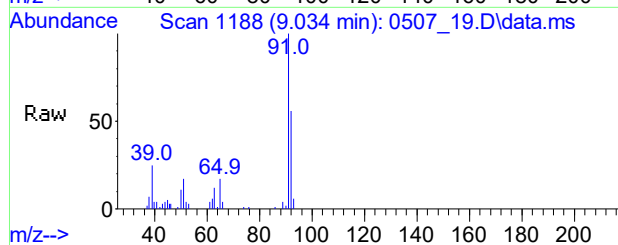
Tgt Ion: 117 Resp: 2818
Ion Ratio Lower Upper
117 100
119 94.9 85.1 125.1
121 32.0 11.0 51.0





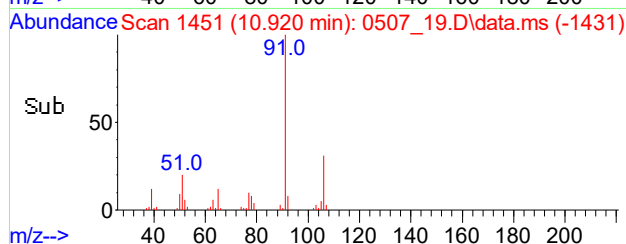
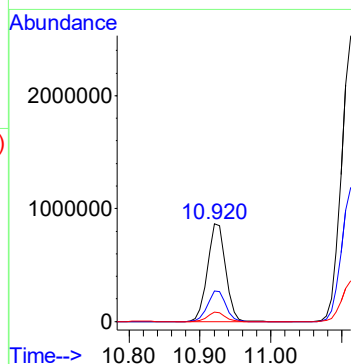
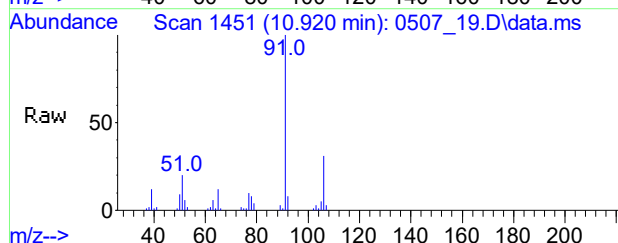
#48
Toluene
Conc: 8\$ 0.506 ppbv
RT: 9.034 min Scan# 1188
Delta R.T. -0.019 min
Lab File: 0507_19.D
Acq: 8 May 2021 2:02 am

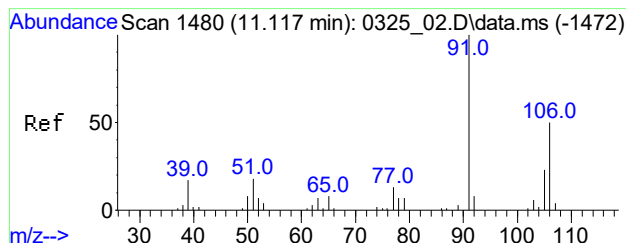
Tgt Ion: 91 Resp: 18780
Ion Ratio Lower Upper
91 100
92 57.2 47.4 71.2
65 15.1 10.2 15.4



#56
Ethylbenzene
Conc: 8\$ 29.033 ppbv
RT: 10.920 min Scan# 1451
Delta R.T. -0.012 min
Lab File: 0507_19.D
Acq: 8 May 2021 2:02 am

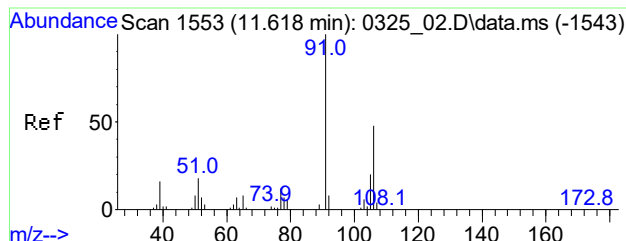
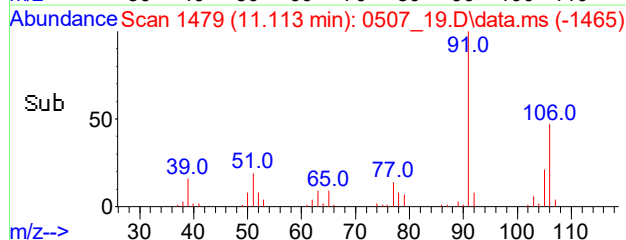
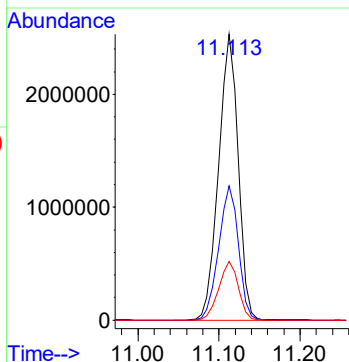
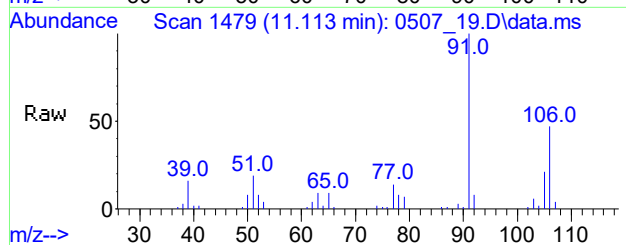
Tgt Ion: 91 Resp: 1530070
Ion Ratio Lower Upper
91 100
106 31.2 17.7 57.7
77 9.2 0.0 32.7





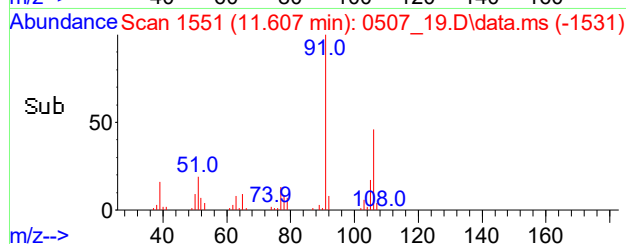
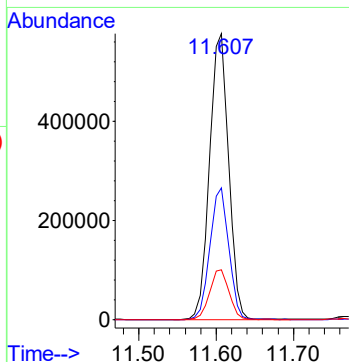
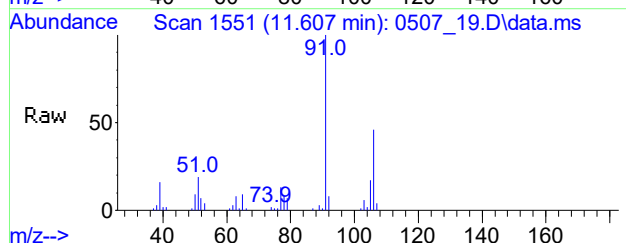
#57
m,p-Xylene
Conc: 8\$ 105.294 ppbv
RT: 11.113 min Scan# 1479
Delta R.T. -0.004 min
Lab File: 0507_19.D
Acq: 8 May 2021 2:02 am

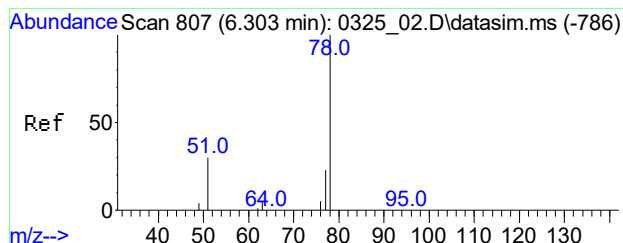
Tgt Ion: 91 Resp: 4242407
Ion Ratio Lower Upper
91 100
106 47.4 39.4 59.2
105 20.5 16.8 25.2



#61
o-Xylene
Conc: 8\$ 22.544 ppbv
RT: 11.607 min Scan# 1551
Delta R.T. -0.011 min
Lab File: 0507_19.D
Acq: 8 May 2021 2:02 am

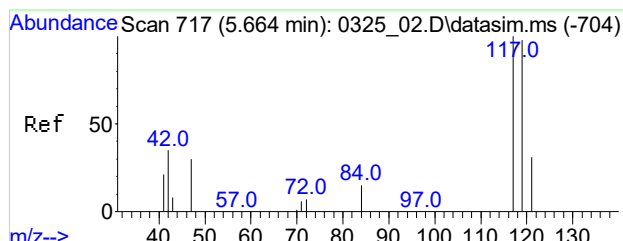
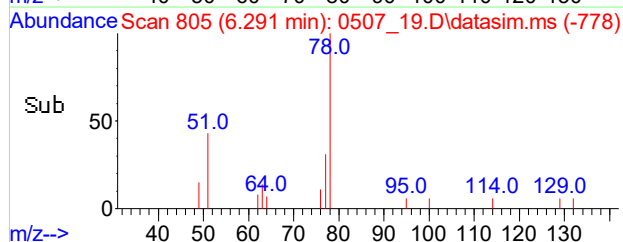
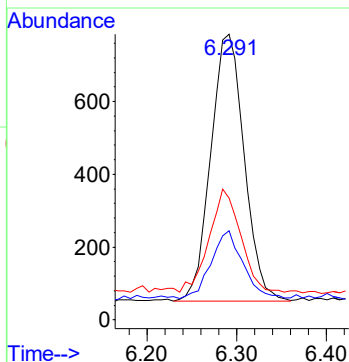
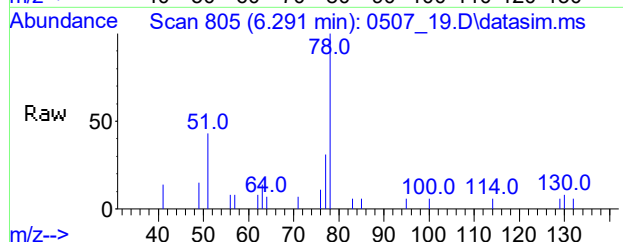
Tgt Ion: 91 Resp: 983349
Ion Ratio Lower Upper
91 100
106 45.4 37.5 56.3
105 17.6 13.5 20.3





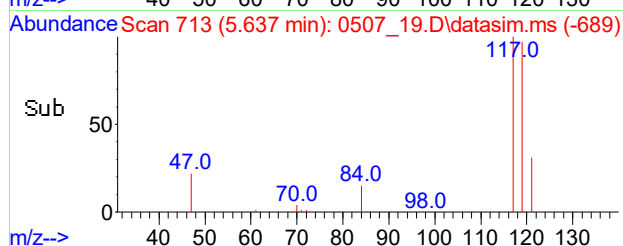
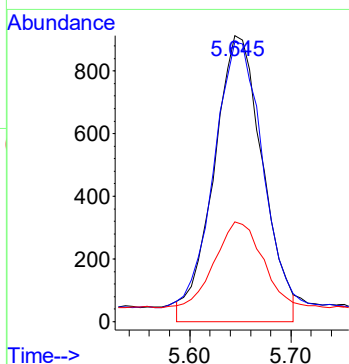
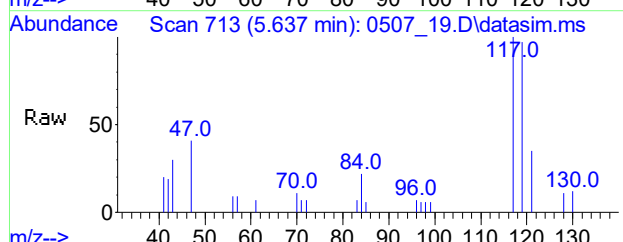
#86
Benzene(sim)
Conc: 8\$ 0.051 ppbv
RT: 6.291 min Scan# 805
Delta R.T. -0.012 min
Lab File: 0507_19.D
Acq: 8 May 2021 2:02 am

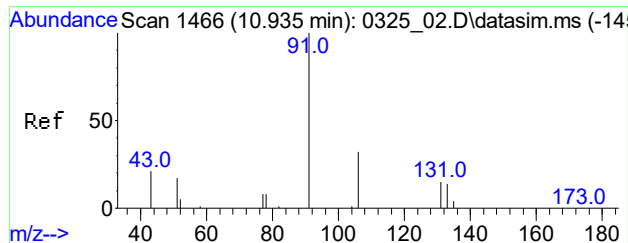
Tgt Ion: 78 Resp: 1898
Ion Ratio Lower Upper
78 100
77 23.0 18.6 28.0
51 37.2 25.4 38.2



#87
Carbon Tetrachloride(sim)
Conc: 8\$ 0.082 ppbv
RT: 5.634 min Scan# 713
Delta R.T. -0.027 min
Lab File: 0507_19.D
Acq: 8 May 2021 2:02 am

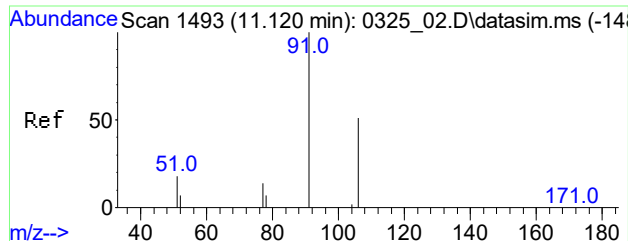
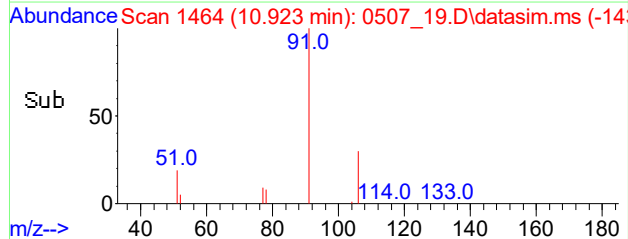
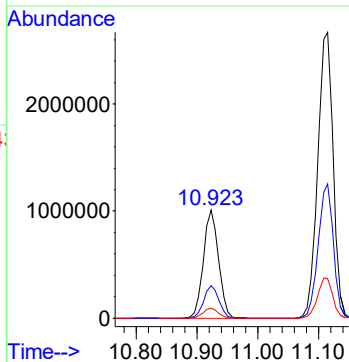
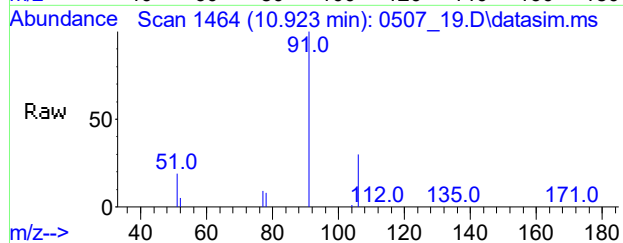
Tgt Ion: 117 Resp: 2738
Ion Ratio Lower Upper
117 100
119 89.0 84.7 127.1
121 17.4 21.1 31.7#





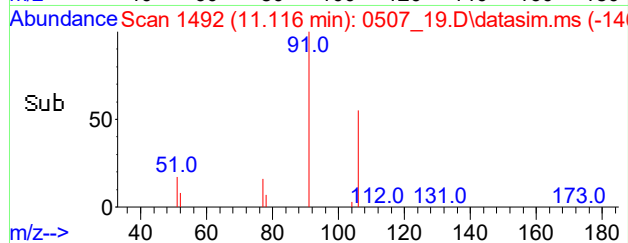
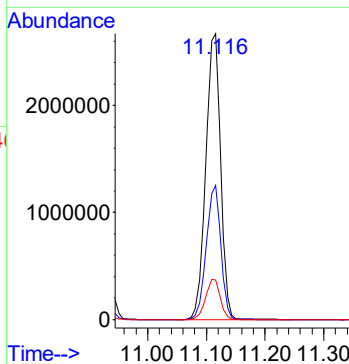
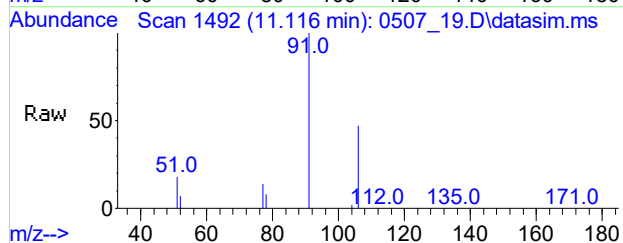
#108
Ethylbenzene(sim)
Conc: 8\$ 27.921 ppb
RT: 10.923 min Scan# 1464
Delta R.T. -0.012 min
Lab File: 0507_19.D
Acq: 8 May 2021 2:02 am

Tgt Ion: 91 Resp: 1730297
Ion Ratio Lower Upper
91 100
106 30.1 24.8 37.2
77 9.1 7.5 11.3



#109
m,p-Xylene(sim)
Conc: 8\$ 101.667 ppbv
RT: 11.113 min Scan# 1492
Delta R.T. -0.004 min
Lab File: 0507_19.D
Acq: 8 May 2021 2:02 am

Tgt Ion: 91 Resp: 4244263
Ion Ratio Lower Upper
91 100
106 47.3 44.4 54.2
77 13.8 11.7 17.5



CLIENT ID

Client: WALDENE-IPARK Lab: Phoenix Env. Labs

SDG No.: GCI26486

Lab Sample ID: CI26487 5X

Canister: 23329

Lab File ID: 0510 22.D

Instrument: CHEM24 Column: RTX-VMS

Date Received: 05/07/21

Purge Volume	200	(cc)

Date Analyzed: 05/10/21

Matrix: AIR

Dilution Factor: 5

CONCENTRATION UNITS: (ppbv or ug/m3) ppbv

FORM I AIR

07/08/2021

Data Path : H:\AIR2021\CHEM24\05MAY\10\
 Data File : 0510_22.D
 Acq On : 10 May 2021 8:07 pm
 Operator : Keith
 Client ID : SCIA-02 5X
 Lab ID : CI26487 5X
 ALS Vial : 22 Sample Multiplier: 1

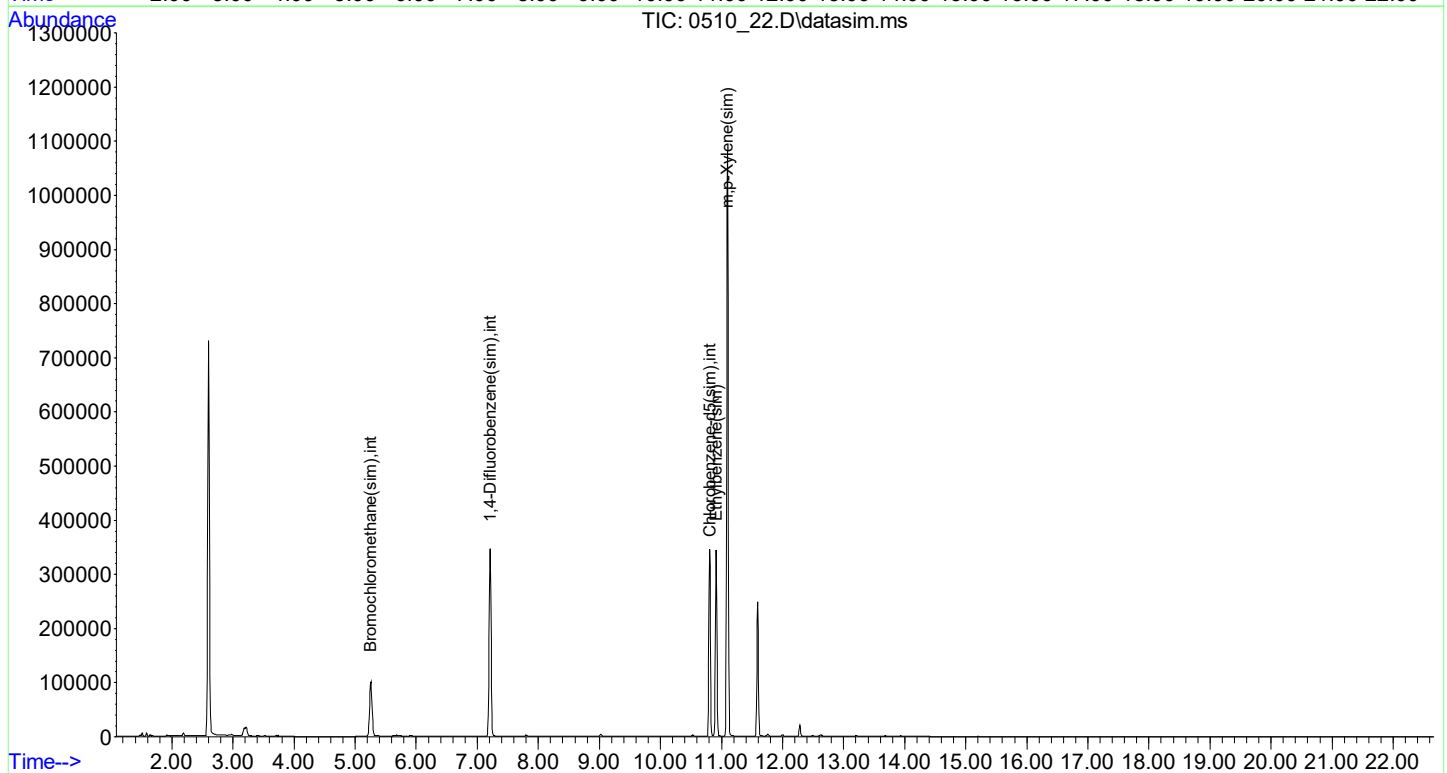
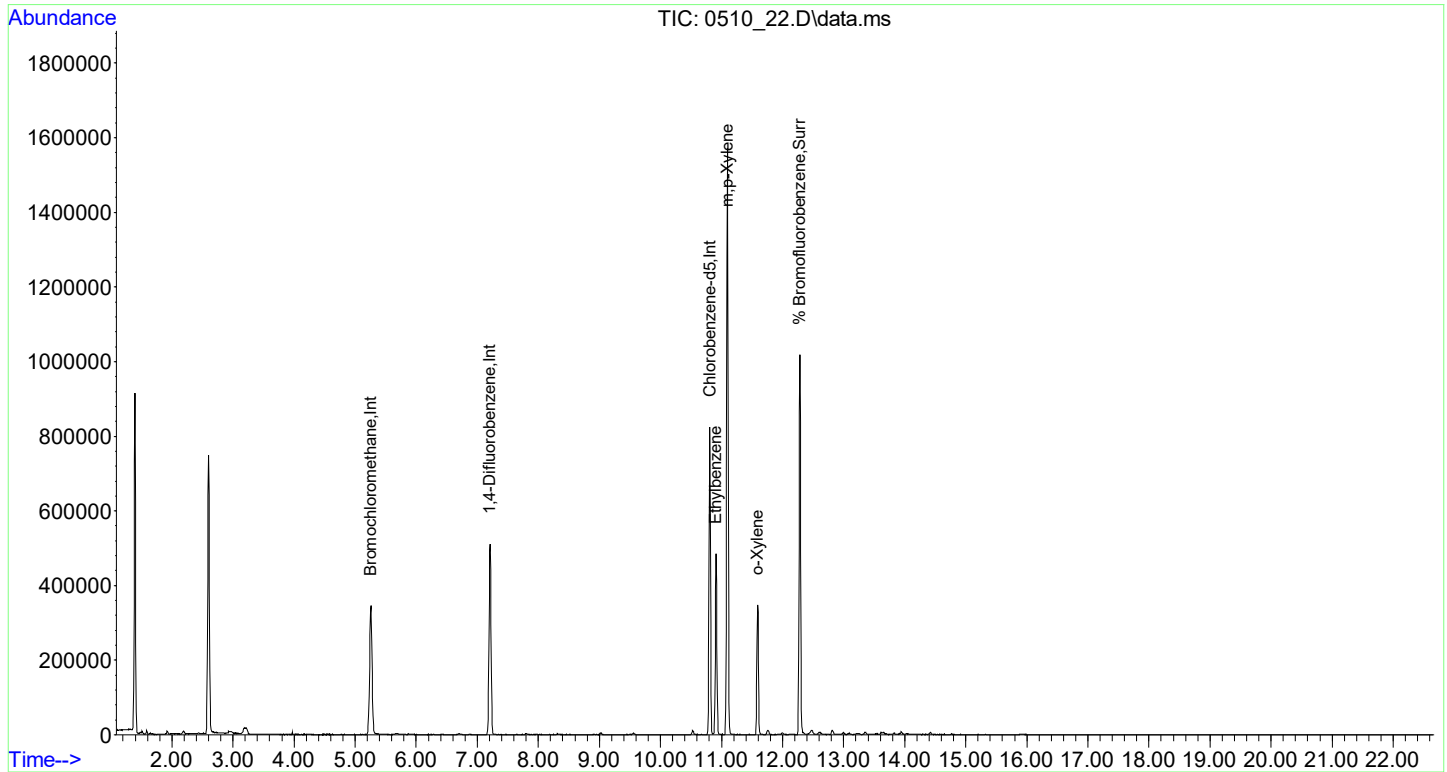
Quant Time: May 11 08:34:47 2021
 Quant Method : H:\AIR2021\CHEM24\METHODS\24AIR_0421.M
 Quant Title : VOA Standards for 5 point calibration
 QLast Update : Thu Apr 22 08:23:13 2021
 Response via : Initial Calibration

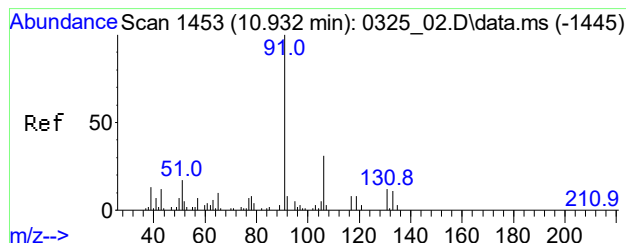
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	5.257	130	133768	10.000	ng	-0.04
36) 1,4-Difluorobenzene	7.211	114	433350	10.000	ng	-0.03
53) Chlorobenzene-d5	10.808	82	217759	10.000	ng	-0.02
80) Bromochloromethane(sim)	5.260	130	139571	10.000	ng	#-0.03
95) 1,4-Difluorobenzene(sim)	7.211	114	433350	10.000	ng	-0.03
105) Chlorobenzene-d5(sim)	10.808	82	217759	10.000	ng	-0.02
System Monitoring Compounds						
62) % Bromofluorobenzene	12.283	95	306841	10.047	ppbv	-0.02
Spiked Amount	10.000	Range	70 - 130	Recovery	= 100.50%	
Target Compounds						
56) Ethylbenzene	10.911	91	308466	5.725	ppbv	90
57) m,p-Xylene	11.097	91	839607	20.382	ppbv	98
61) o-Xylene	11.591	91	190994	4.283	ppbv	97
108] Ethylbenzene(sim)	10.914	91	345890	5.459	ppb	98
109] m,p-Xylene(sim)	11.097	91	840110	19.684	ppbv	97

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

Data Path : H:\AIR2021\CHEM24\05MAY\10\
Data File : 0510_22.D
Acq On : 10 May 2021 8:07 pm
Operator : Keith
Client ID : SCIA-02 5X
Lab ID : CI26487 5X
ALS Vial : 22 Sample Multiplier: 1

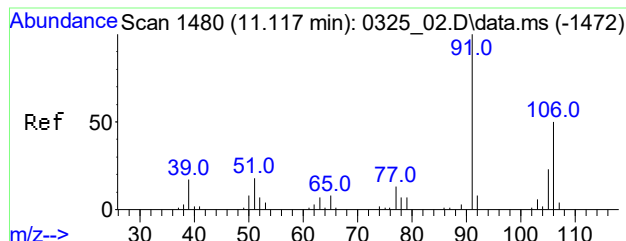
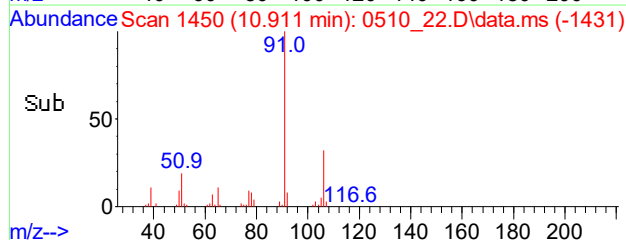
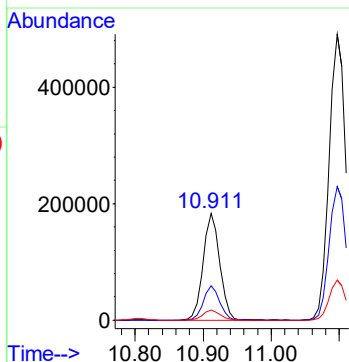
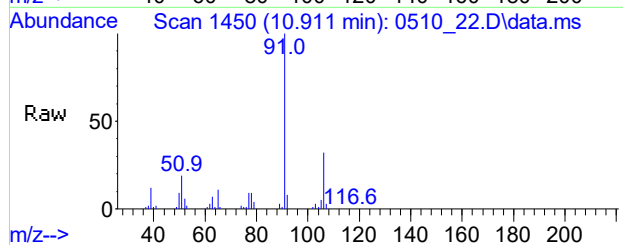
Quant Time: May 11 08:34:47 2021
Quant Method : H:\AIR2021\CHEM24\METHODS\24AIR_0421.M
Quant Title : VOA Standards for 5 point calibration
QLast Update : Thu Apr 22 08:23:13 2021
Response via : Initial Calibration





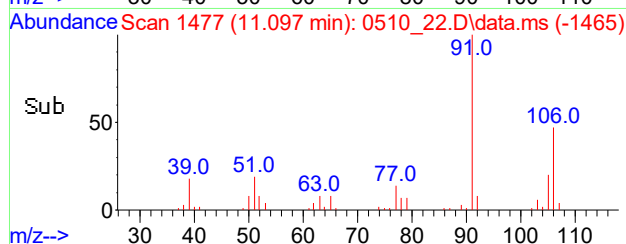
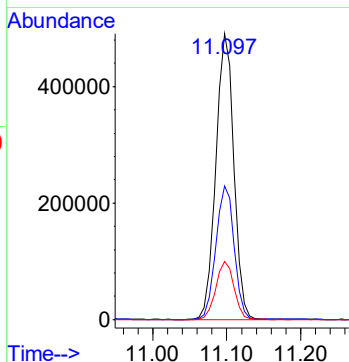
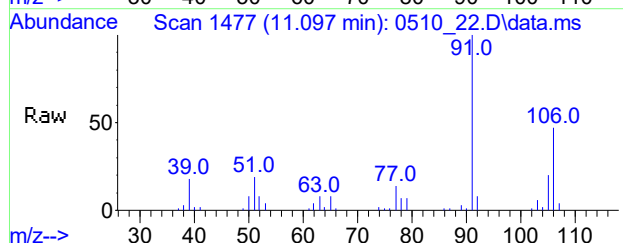
#56
Ethylbenzene
Conc: 8\$ 5.725 ppbv
RT: 10.911 min Scan# 1450
Delta R.T. -0.021 min
Lab File: 0510_22.D
Acq: 10 May 2021 8:07 pm

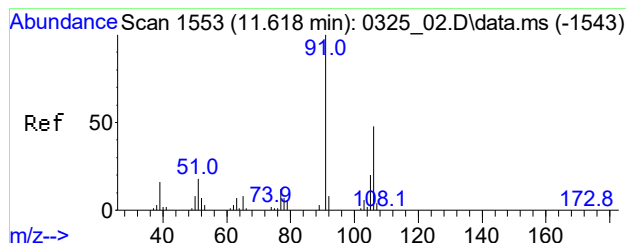
Tgt Ion	Ratio	Lower	Upper
91	100		
106	31.2	17.7	57.7
77	9.2	0.0	32.7



#57
m,p-Xylene
Conc: 8\$ 20.382 ppbv
RT: 11.097 min Scan# 1477
Delta R.T. -0.020 min
Lab File: 0510_22.D
Acq: 10 May 2021 8:07 pm

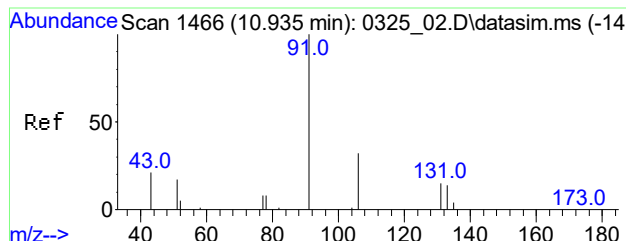
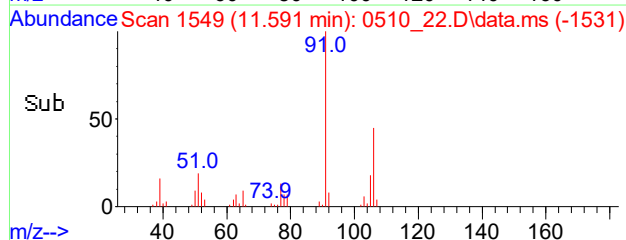
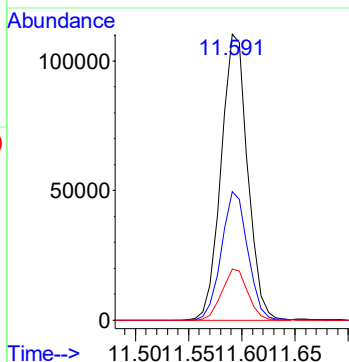
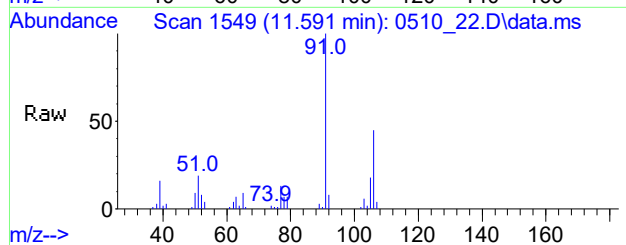
Tgt Ion	Ratio	Lower	Upper
91	100		
106	47.4	39.4	59.2
105	20.4	16.8	25.2





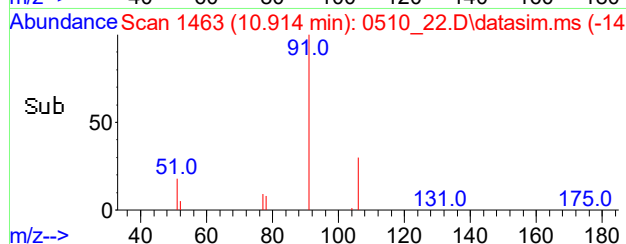
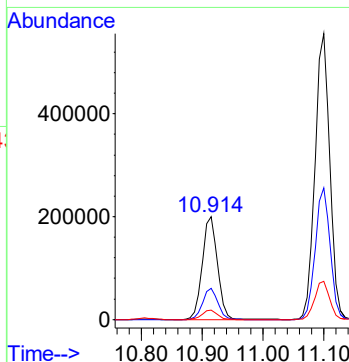
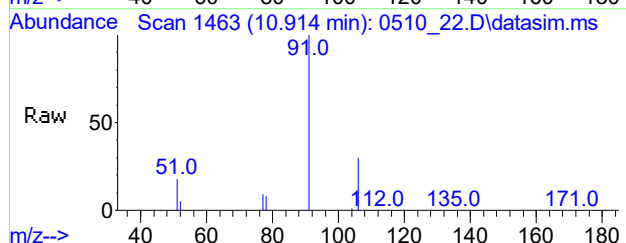
#61
o-Xylene
Conc: 8\$ 4.283 ppbv
RT: 11.591 min Scan# 1549
Delta R.T. -0.027 min
Lab File: 0510_22.D
Acq: 10 May 2021 8:07 pm

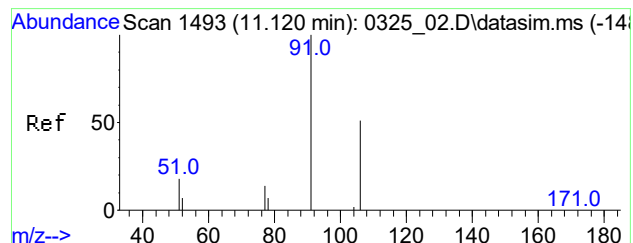
Tgt Ion: 91 Resp: 190994
Ion Ratio Lower Upper
91 100
106 44.7 37.5 56.3
105 17.3 13.5 20.3



#108
Ethylbenzene(sim)
Conc: 8\$ 5.459 ppb
RT: 10.914 min Scan# 1463
Delta R.T. -0.021 min
Lab File: 0510_22.D
Acq: 10 May 2021 8:07 pm

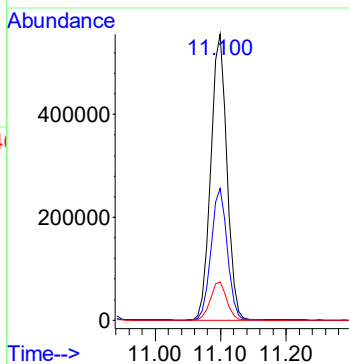
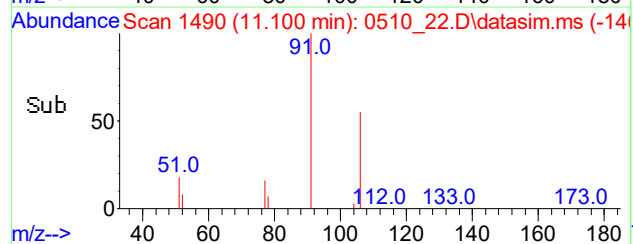
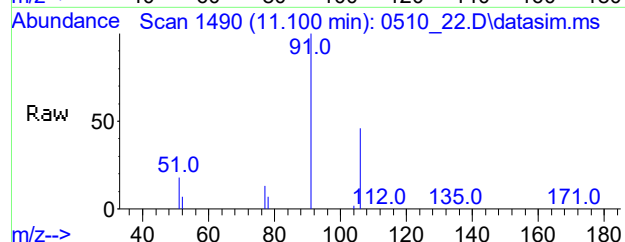
Tgt Ion: 91 Resp: 345890
Ion Ratio Lower Upper
91 100
106 30.1 24.8 37.2
77 9.0 7.5 11.3





#109
 m,p-Xylene(sim)
 Conc: 8\$ 19.684 ppbv
 RT: 11.097 min Scan# 1490
 Delta R.T. -0.020 min
 Lab File: 0510_22.D
 Acq: 10 May 2021 8:07 pm

Tgt Ion: 91 Resp: 840110
 Ion Ratio Lower Upper
 91 100
 106 47.4 44.4 54.2
 77 13.6 11.7 17.5



Client:	WALDENE-IPARK	Lab:	Phoenix Env. Labs
SDG No.:	GCI26486	Lab Sample ID:	CI26488
Canister:	19786	Lab File ID:	0507_20.D
Instrument:	CHEM24	Column:	RTX-VMS
Purge Volume	200 (cc)	Date Received:	05/07/21
Matrix:	AIR	Date Analyzed:	05/08/21
		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:\AIR2021\CHEM24\05MAY\07\
 Data File : 0507_20.D
 Acq On : 8 May 2021 2:57 am
 Operator : Keith
 Client ID : SCIA-03
 Lab ID : CI26488
 ALS Vial : 19 Sample Multiplier: 1

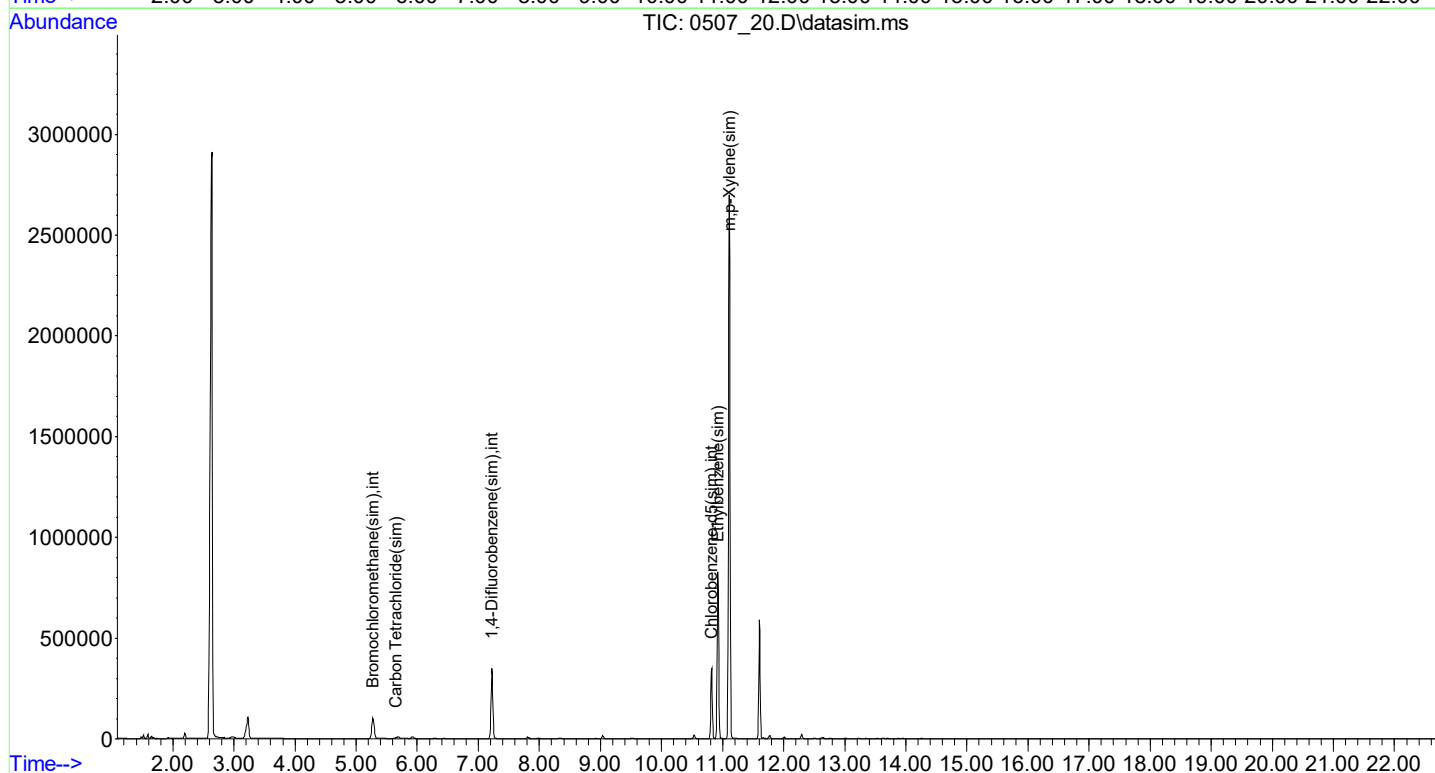
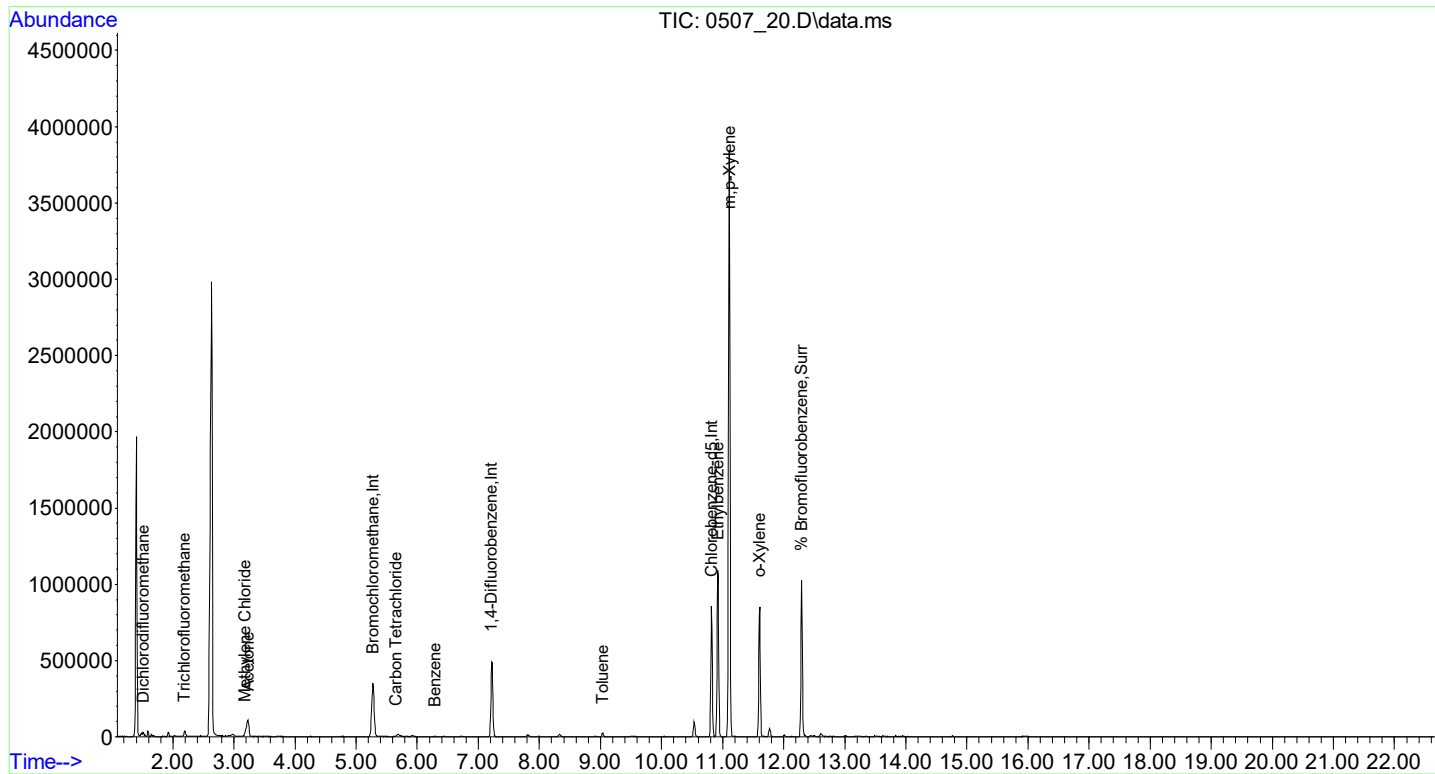
Quant Time: May 08 14:50:57 2021
 Quant Method : H:\AIR2021\CHEM24\METHODS\24AIR_0421.M
 Quant Title : VOA Standards for 5 point calibration
 QLast Update : Thu Apr 22 08:23:13 2021
 Response via : Initial Calibration

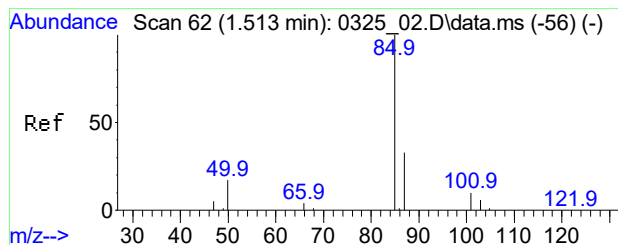
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	5.274	130	130987	10.000	ng	-0.02
36) 1,4-Difluorobenzene	7.220	114	411662	10.000	ng	-0.02
53) Chlorobenzene-d5	10.818	82	220743	10.000	ng	-0.01
80) Bromochloromethane(sim)	5.277	130	137271	10.000	ng	#-0.01
95) 1,4-Difluorobenzene(sim)	7.220	114	411662	10.000	ng	-0.02
105) Chlorobenzene-d5(sim)	10.818	82	220743	10.000	ng	-0.01
System Monitoring Compounds						
62) % Bromofluorobenzene	12.298	95	318425	10.285	ppbv	0.00
Spiked Amount	10.000	Range	70 - 130	Recovery	=	102.90%
Target Compounds						
					Qvalue	
3) Dichlorodifluoromethane	1.512	85	11256	0.387	ppbv#	97
12) Acetone	3.231	43	138035	4.034	ppbv	98
13) Trichlorofluoromethane	2.191	101	13958	0.407	ppbv	94
17) Methylene Chloride	3.183	49	10334	0.444	ppbv	90
33) Benzene	6.295	78	1681	0.054	ppbv#	47
34) Carbon Tetrachloride	5.656	117	2971	0.091	ppbv	84
48) Toluene	9.041	91	16656	0.437	ppbv	96
56) Ethylbenzene	10.920	91	742891	13.601	ppbv	89
57) m,p-Xylene	11.113	91	2091924	50.097	ppbv	98
61) o-Xylene	11.607	91	461334	10.205	ppbv	98
86] Benzene(sim)	6.291	78	1757	0.046	ppbv#	89
87] Carbon Tetrachloride(sim)	5.656	117	2971	0.087	ppbv#	61
108] Ethylbenzene(sim)	10.923	91	833428	12.976	ppb	99
109] m,p-Xylene(sim)	11.113	91	2093940	48.397	ppbv	97

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

Data Path : H:\AIR2021\CHEM24\05MAY\07\
Data File : 0507_20.D
Acq On : 8 May 2021 2:57 am
Operator : Keith
Client ID : SCIA-03
Lab ID : CI26488
ALS Vial : 19 Sample Multiplier: 1

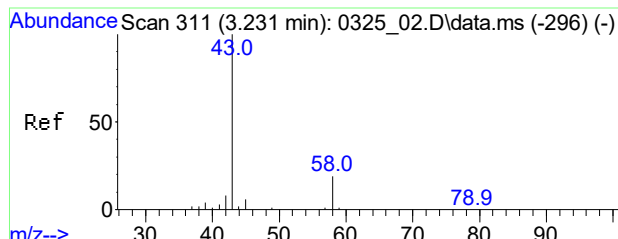
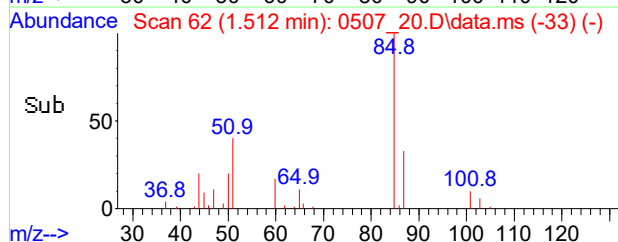
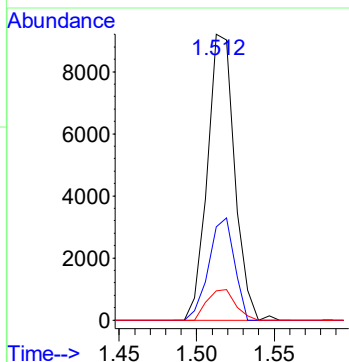
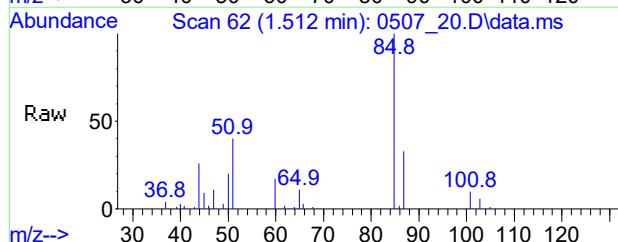
Quant Time: May 08 14:50:57 2021
Quant Method : H:\AIR2021\CHEM24\METHODS\24AIR_0421.M
Quant Title : VOA Standards for 5 point calibration
QLast Update : Thu Apr 22 08:23:13 2021
Response via : Initial Calibration





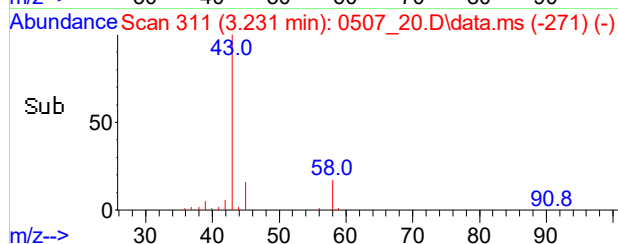
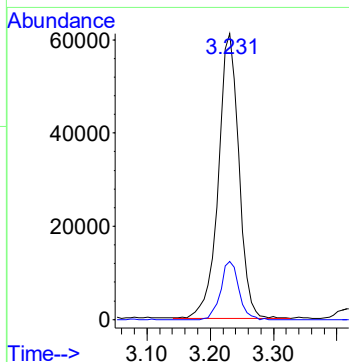
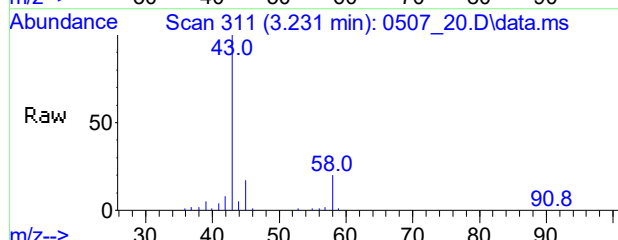
#3
Dichlorodifluoromethane
Conc: 8\$ 0.387 ppbv
RT: 1.512 min Scan# 62
Delta R.T. -0.001 min
Lab File: 0507_20.D
Acq: 8 May 2021 2:57 am

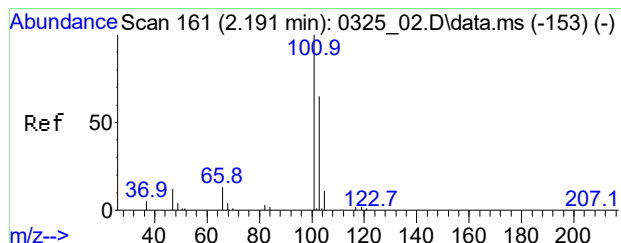
Tgt Ion: 85 Resp: 11256
Ion Ratio Lower Upper
85 100
87 33.6 25.8 38.8
101 11.1 7.3 10.9#



#12
Acetone
Conc: 8\$ 4.034 ppbv
RT: 3.231 min Scan# 311
Delta R.T. -0.027 min
Lab File: 0507_20.D
Acq: 8 May 2021 2:57 am

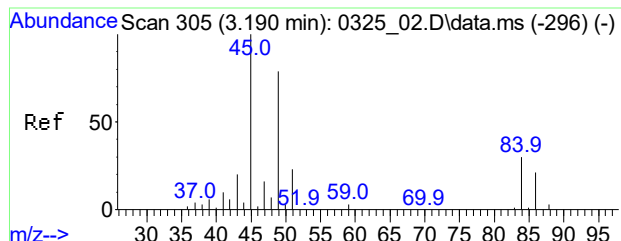
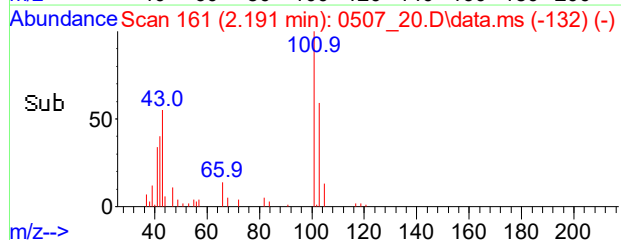
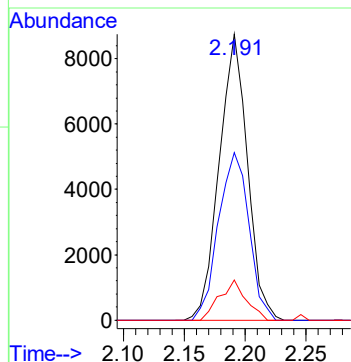
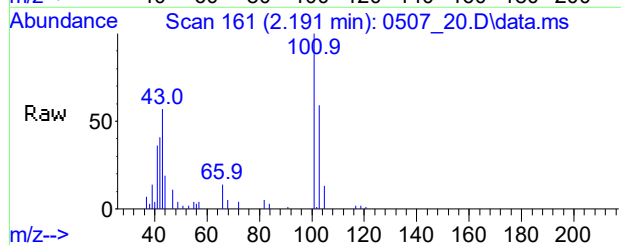
Tgt Ion: 43 Resp: 138035
Ion Ratio Lower Upper
43 100
58 18.0 15.0 22.4





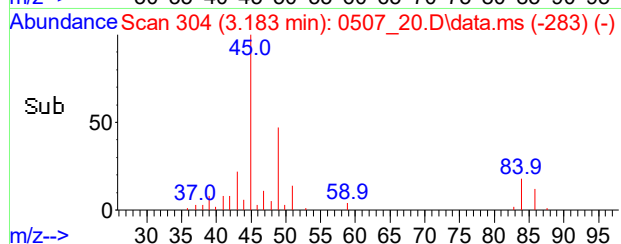
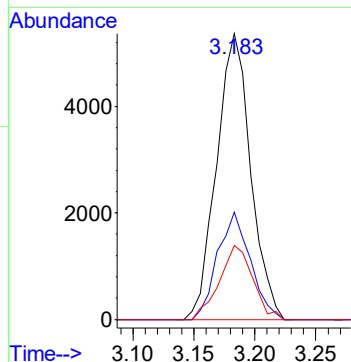
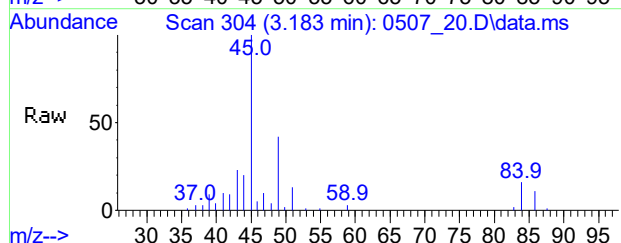
#13
Trichlorofluoromethane
Conc: 8\$ 0.407 ppbv
RT: 2.191 min Scan# 161
Delta R.T. -0.000 min
Lab File: 0507_20.D
Acq: 8 May 2021 2:57 am

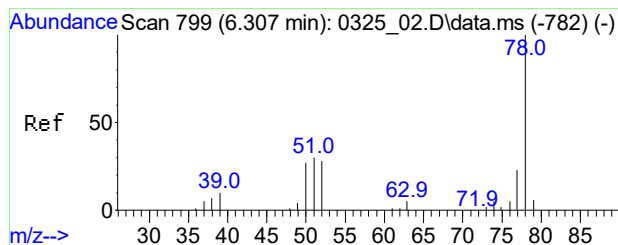
Tgt Ion	Ratio	Lower	Upper
101	100		
103	63.3	54.6	82.0
66	13.1	12.2	18.4



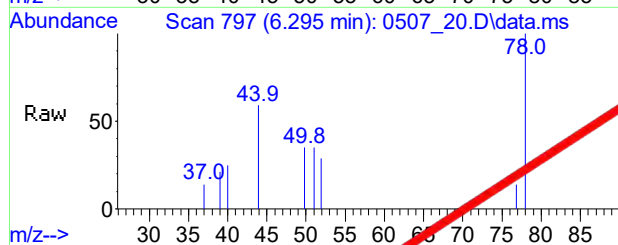
#17
Methylene Chloride
Conc: 8\$ 0.444 ppbv
RT: 3.183 min Scan# 304
Delta R.T. -0.007 min
Lab File: 0507_20.D
Acq: 8 May 2021 2:57 am

Tgt Ion	Ratio	Lower	Upper
49	100		
84	36.2	36.2	54.2
86	25.4	22.3	33.5

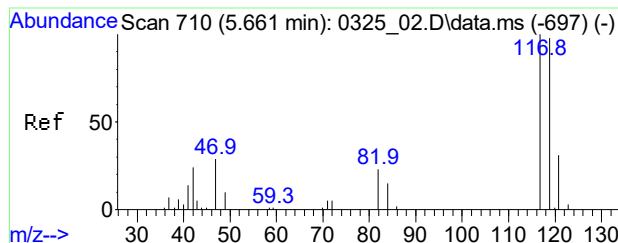
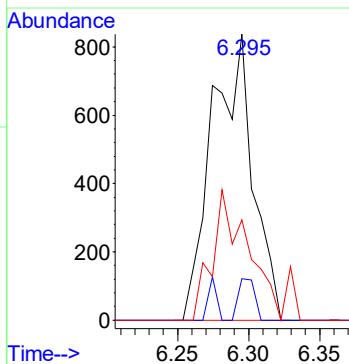
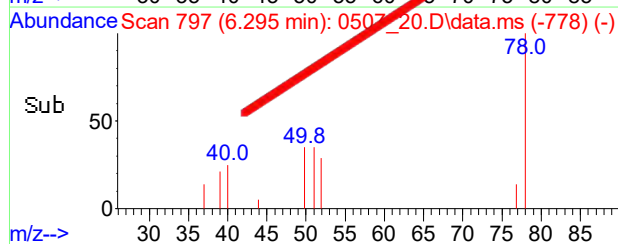




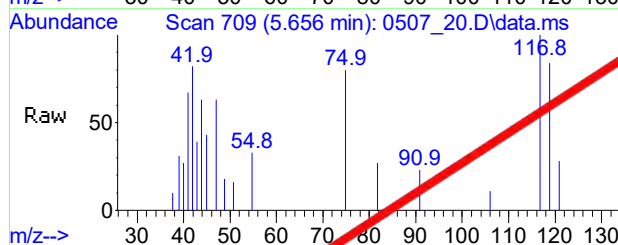
#33
Benzene
Conc: 8\$ Below Cal
RT: 6.295 min Scan# 797
Delta R.T. -0.019 min
Lab File: 0507_20.D
Acq: 8 May 2021 2:57 am



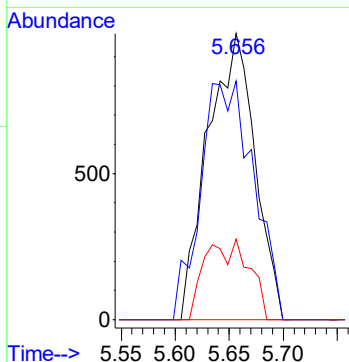
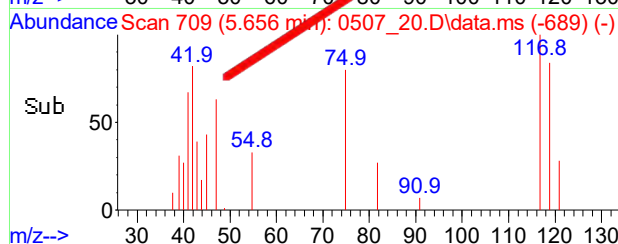
Tgt Ion: 78 Resp: 1681
Ion Ratio Lower Upper
78 100
77 5.8 19.1 28.7#
51 0.0 30.3 45.5#

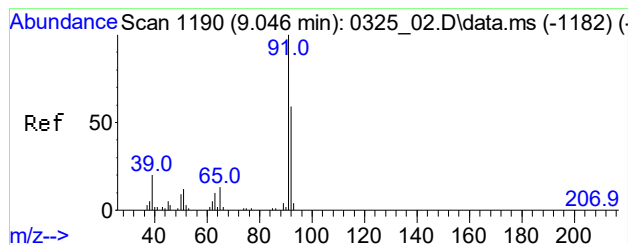


#34
Carbon Tetrachloride
Conc: 8\$ Below Cal
RT: 5.656 min Scan# 709
Delta R.T. -0.005 min
Lab File: 0507_20.D
Acq: 8 May 2021 2:57 am



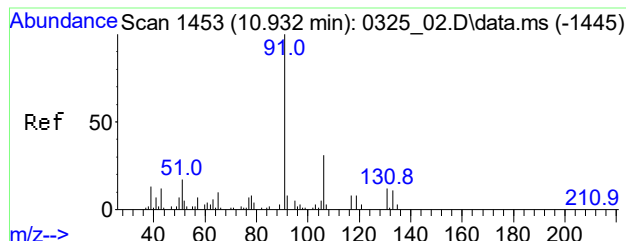
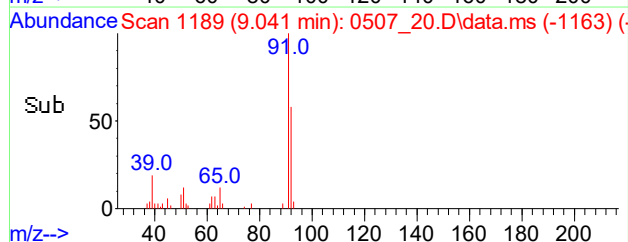
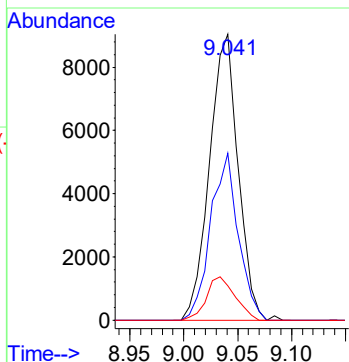
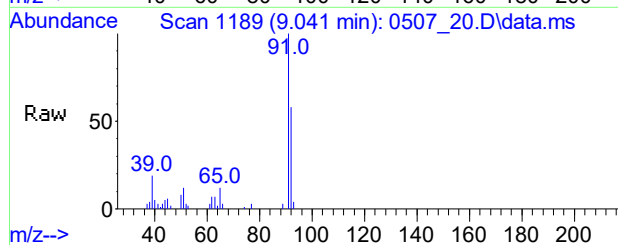
Tgt Ion: 117 Resp: 2971
Ion Ratio Lower Upper
117 100
119 93.2 85.1 125.1
121 15.0 11.0 51.0





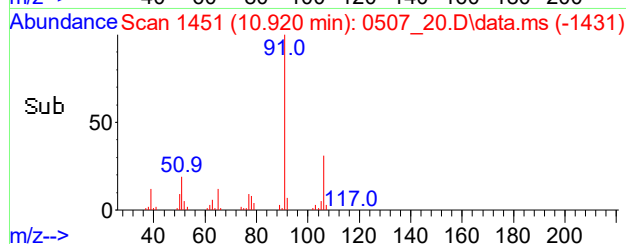
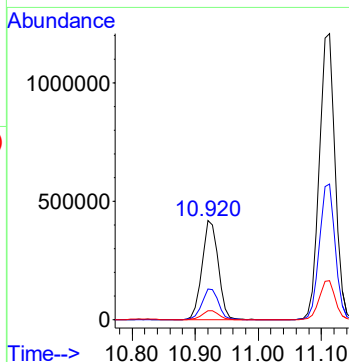
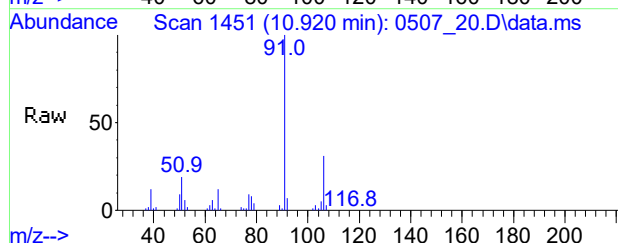
#48
Toluene
Conc: 8\$ 0.437 ppbv
RT: 9.041 min Scan# 1189
Delta R.T. -0.012 min
Lab File: 0507_20.D
Acq: 8 May 2021 2:57 am

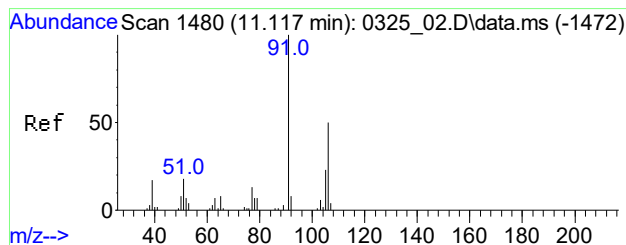
Tgt Ion: 91 Resp: 16656
Ion Ratio Lower Upper
91 100
92 56.4 47.4 71.2
65 15.2 10.2 15.4



#56
Ethylbenzene
Conc: 8\$ 13.601 ppbv
RT: 10.920 min Scan# 1451
Delta R.T. -0.012 min
Lab File: 0507_20.D
Acq: 8 May 2021 2:57 am

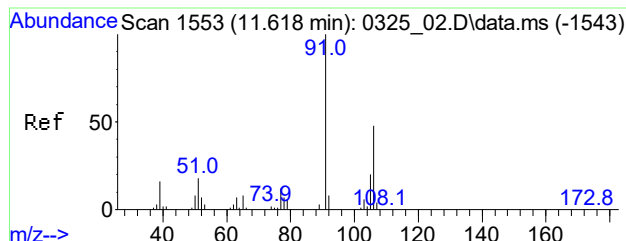
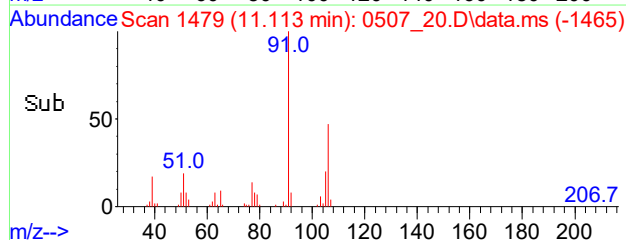
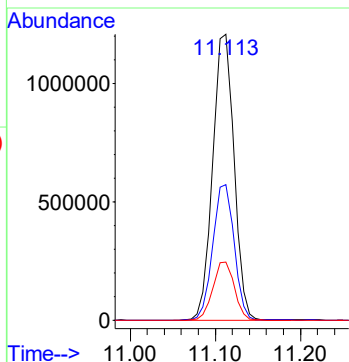
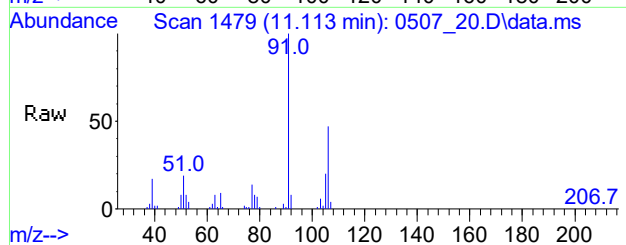
Tgt Ion: 91 Resp: 742891
Ion Ratio Lower Upper
91 100
106 30.9 17.7 57.7
77 9.0 0.0 32.7





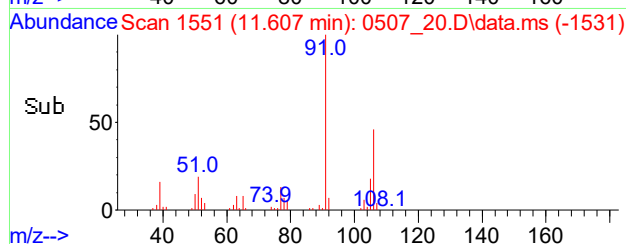
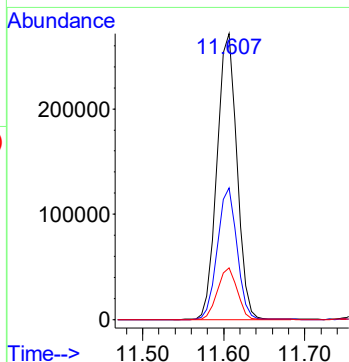
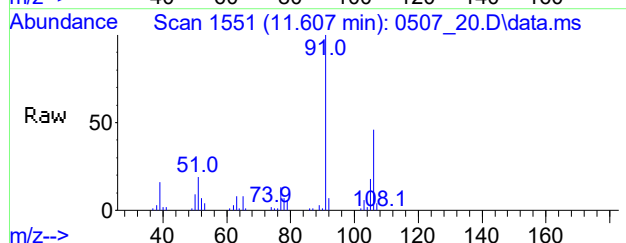
#57
m,p-Xylene
Conc: 8\$ 50.097 ppbv
RT: 11.113 min Scan# 1479
Delta R.T. -0.004 min
Lab File: 0507_20.D
Acq: 8 May 2021 2:57 am

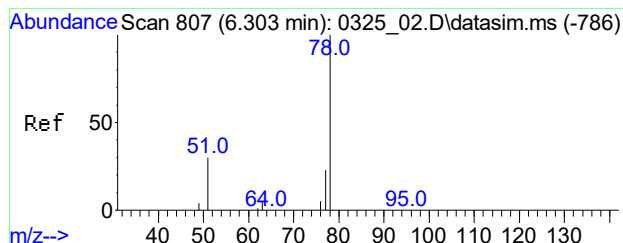
Tgt Ion: 91 Resp: 2091924
Ion Ratio Lower Upper
91 100
106 47.5 39.4 59.2
105 20.3 16.8 25.2



#61
o-Xylene
Conc: 8\$ 10.205 ppbv
RT: 11.607 min Scan# 1551
Delta R.T. -0.011 min
Lab File: 0507_20.D
Acq: 8 May 2021 2:57 am

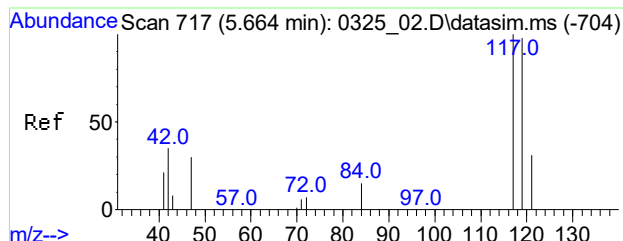
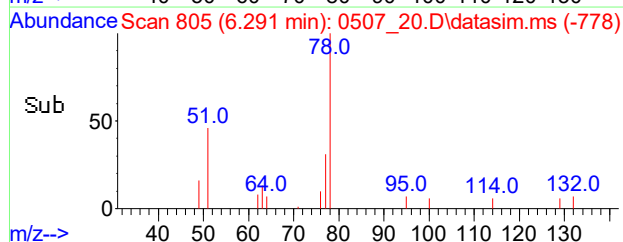
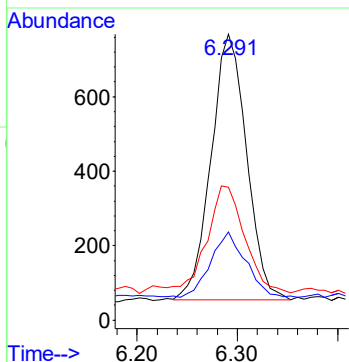
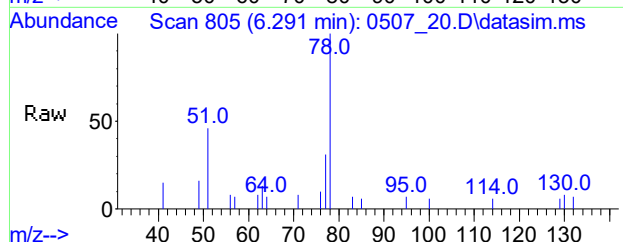
Tgt Ion: 91 Resp: 461334
Ion Ratio Lower Upper
91 100
106 45.3 37.5 56.3
105 17.9 13.5 20.3





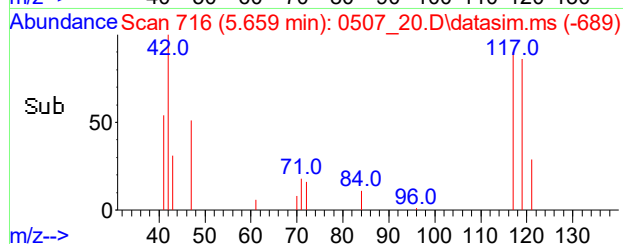
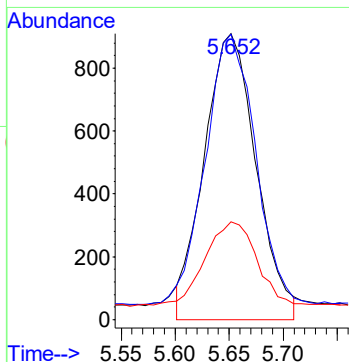
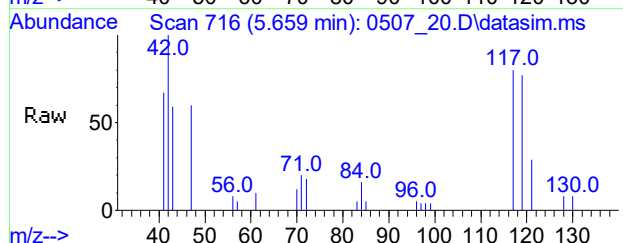
#86
Benzene(sim)
Conc: 8\$ Below Cal
RT: 6.291 min Scan# 805
Delta R.T. -0.012 min
Lab File: 0507_20.D
Acq: 8 May 2021 2:57 am

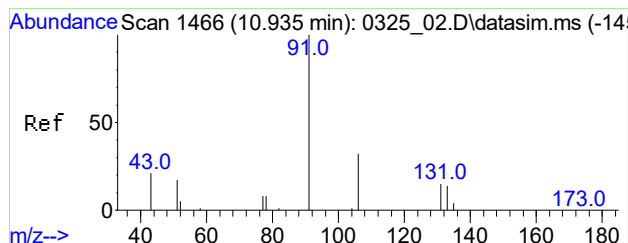
Tgt Ion: 78 Resp: 1757
Ion Ratio Lower Upper
78 100
77 24.2 18.6 28.0
51 41.8 25.4 38.2#



#87
Carbon Tetrachloride(sim)
Conc: 8\$ 0.087 ppbv
RT: 5.656 min Scan# 716
Delta R.T. -0.005 min
Lab File: 0507_20.D
Acq: 8 May 2021 2:57 am

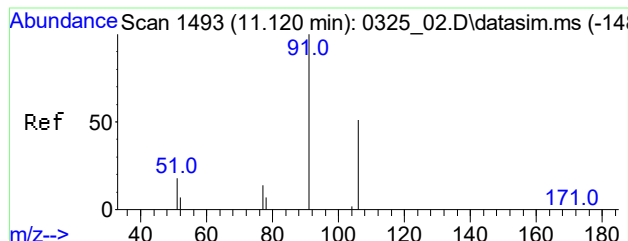
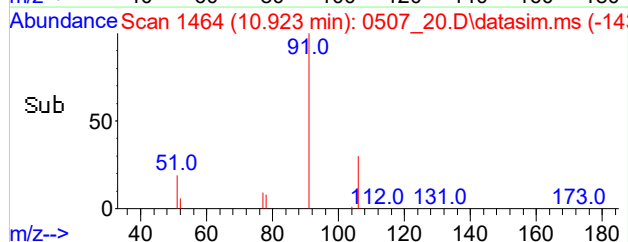
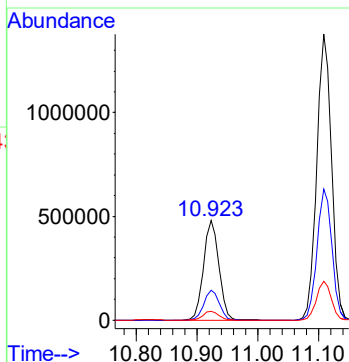
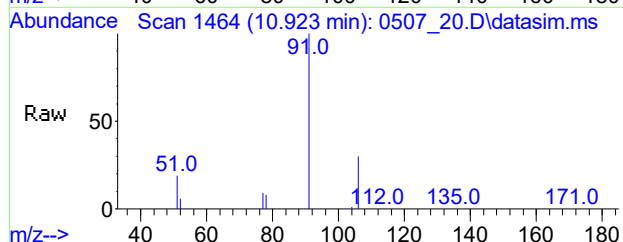
Tgt Ion: 117 Resp: 2971
Ion Ratio Lower Upper
117 100
119 61.6 84.7 127.1#
121 15.0 21.1 31.7#





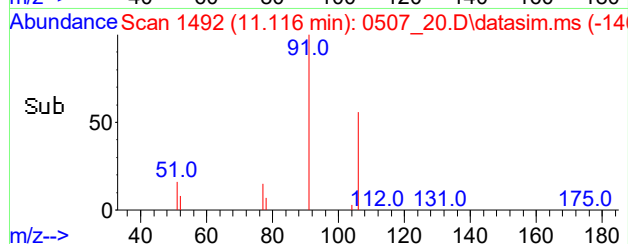
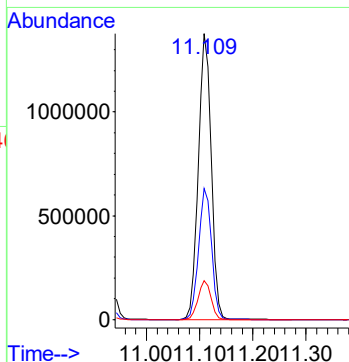
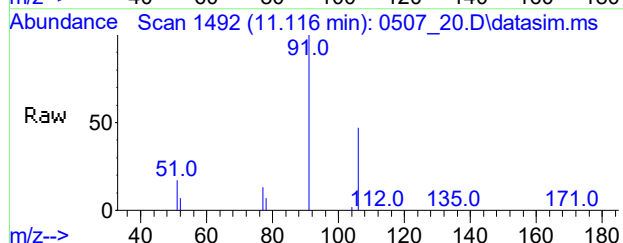
#108
Ethylbenzene(sim)
Conc: 8\$ 12.976 ppb
RT: 10.923 min Scan# 1464
Delta R.T. -0.012 min
Lab File: 0507_20.D
Acq: 8 May 2021 2:57 am

Tgt Ion: 91 Resp: 833428
Ion Ratio Lower Upper
91 100
106 30.1 24.8 37.2
77 9.1 7.5 11.3



#109
m,p-Xylene(sim)
Conc: 8\$ 48.397 ppbv
RT: 11.113 min Scan# 1492
Delta R.T. -0.004 min
Lab File: 0507_20.D
Acq: 8 May 2021 2:57 am

Tgt Ion: 91 Resp: 2093940
Ion Ratio Lower Upper
91 100
106 47.5 44.4 54.2
77 13.6 11.7 17.5



Client:	WALDENE-IPARK	Lab:	Phoenix Env. Labs
SDG No.:	GCI26486	Lab Sample ID:	CI26489
Canister:	489	Lab File ID:	0507_21.D
Instrument:	CHEM24	Column:	RTX-VMS
Purge Volume	200 (cc)	Date Received:	05/07/21
Matrix:	AIR	Date Analyzed:	05/08/21
		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:\AIR2021\CHEM24\05MAY\07\
 Data File : 0507_21.D
 Acq On : 8 May 2021 3:39 am
 Operator : Keith
 Client ID : SCIA-04
 Lab ID : CI26489
 ALS Vial : 20 Sample Multiplier: 1

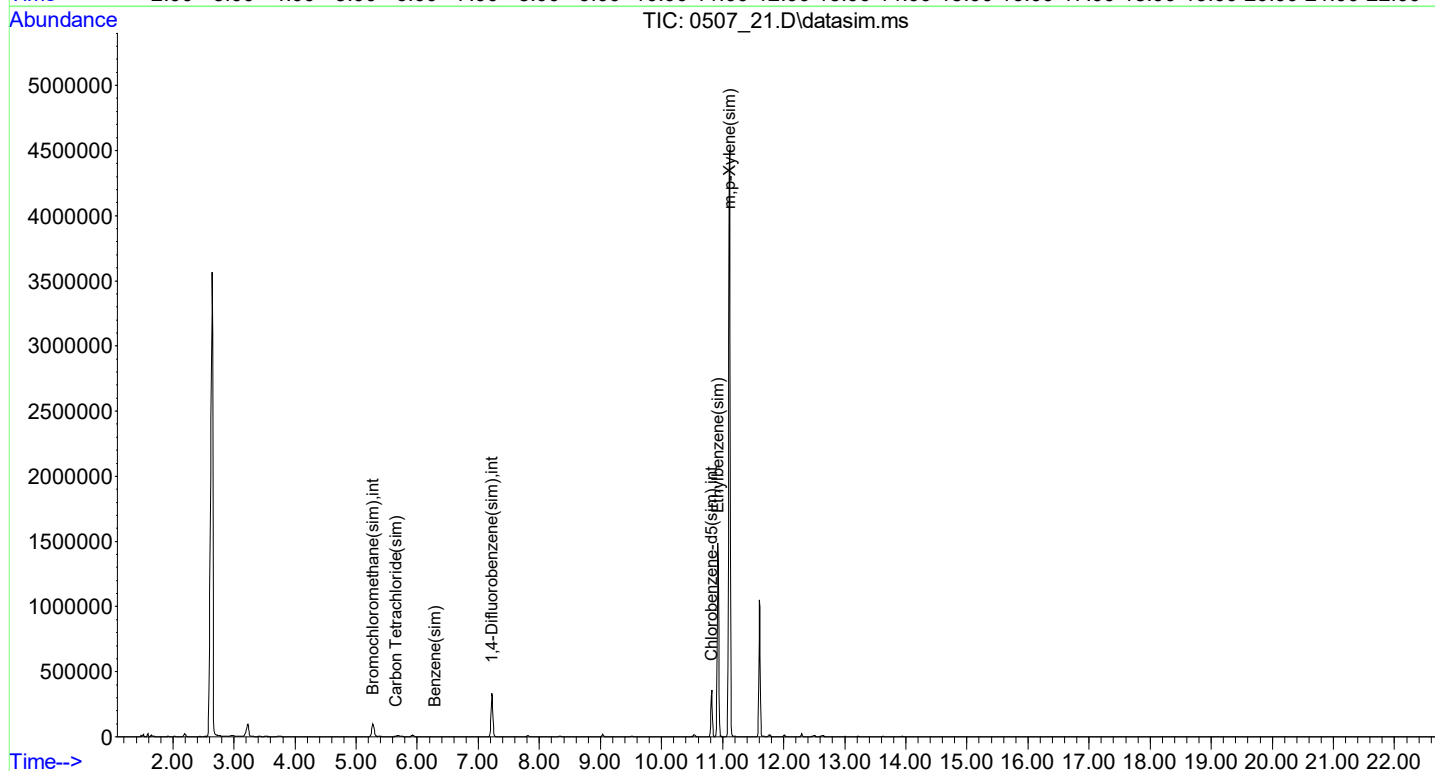
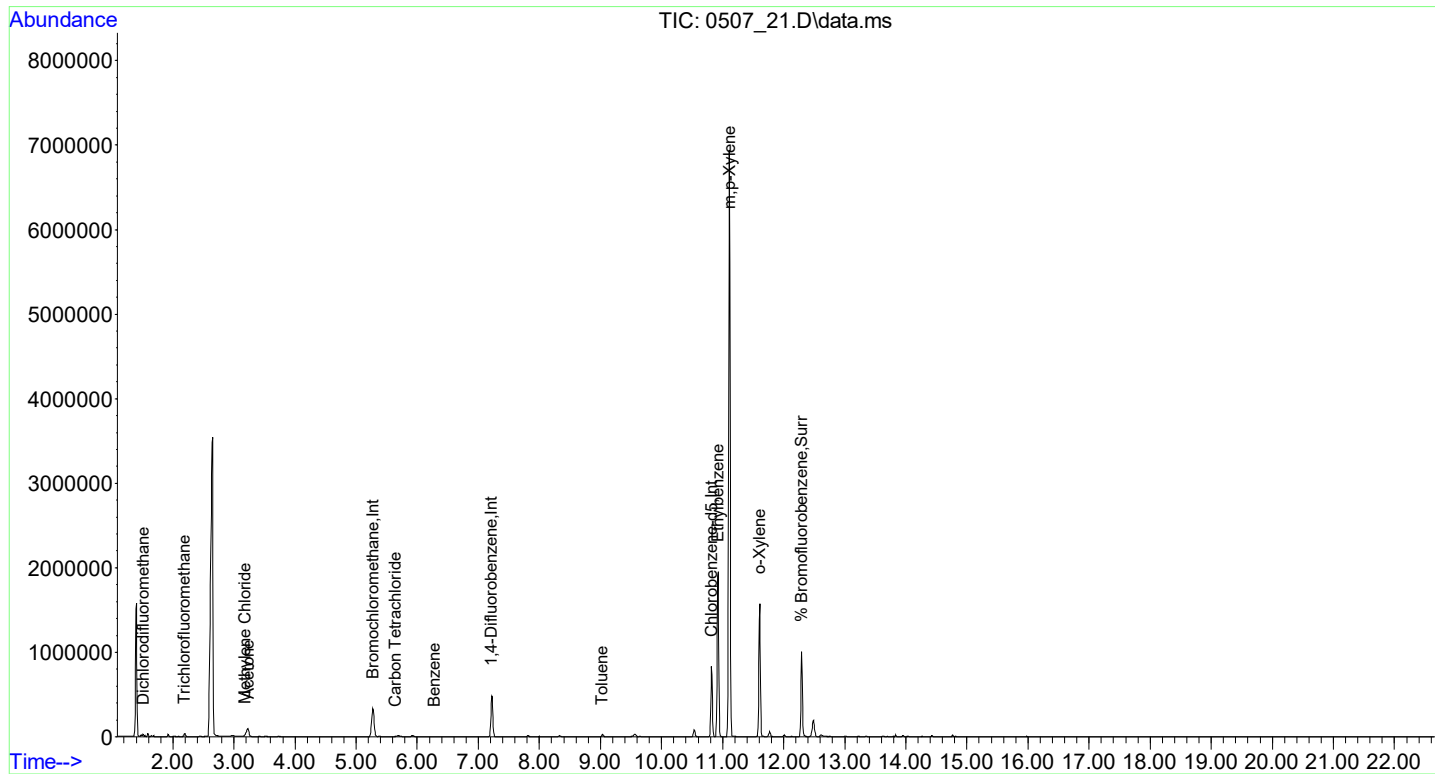
Quant Time: May 08 14:51:32 2021
 Quant Method : H:\AIR2021\CHEM24\METHODS\24AIR_0421.M
 Quant Title : VOA Standards for 5 point calibration
 QLast Update : Thu Apr 22 08:23:13 2021
 Response via : Initial Calibration

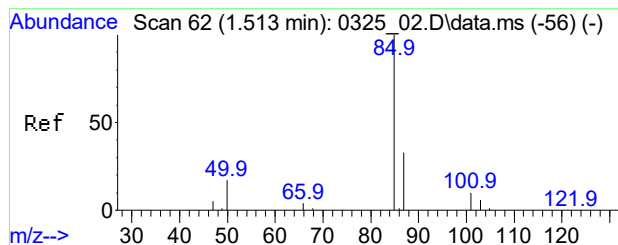
Compound		R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards							
1) Bromochloromethane		5.274	130	125862	10.000	ng	-0.02
36) 1,4-Difluorobenzene		7.220	114	402197	10.000	ng	-0.02
53) Chlorobenzene-d5		10.818	82	212995	10.000	ng	-0.01
80) Bromochloromethane(sim)		5.277	130	133420	10.000	ng	#-0.01
95) 1,4-Difluorobenzene(sim)		7.220	114	402197	10.000	ng	-0.02
105) Chlorobenzene-d5(sim)		10.818	82	212995	10.000	ng	-0.01
System Monitoring Compounds							
62) % Bromofluorobenzene		12.298	95	312714	10.468	ppbv	0.00
Spiked Amount	10.000	Range	70 - 130	Recovery	= 104.70%		
Target Compounds							
						Qvalue	
3) Dichlorodifluoromethane		1.512	85	12058	0.432	ppbv	98
12) Acetone		3.231	43	109786	3.339	ppbv	99
13) Trichlorofluoromethane		2.191	101	14033	0.426	ppbv	92
17) Methylene Chloride		3.183	49	13565	0.606	ppbv	91
33) Benzene		6.288	78	1668	0.056	ppbv	93
34) Carbon Tetrachloride		5.649	117	2787	0.089	ppbv#	54
48) Toluene		9.034	91	17607	0.473	ppbv	95
56) Ethylbenzene		10.927	91	1299579	24.659	ppbv	90
57) m,p-Xylene		11.113	91	3614648	89.712	ppbv	98
61) o-Xylene		11.607	91	827833	18.979	ppbv	98
86] Benzene(sim)		6.291	78	1853	0.050	ppbv#	92
87] Carbon Tetrachloride(sim)		5.649	117	2588	0.078	ppbv#	50
108] Ethylbenzene(sim)		10.923	91	1457750	23.522	ppb	98
109] m,p-Xylene(sim)		11.113	91	3616313	86.624	ppbv	97

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

Data Path : H:\AIR2021\CHEM24\05MAY\07\
Data File : 0507_21.D
Acq On : 8 May 2021 3:39 am
Operator : Keith
Client ID : SCIA-04
Lab ID : CI26489
ALS Vial : 20 Sample Multiplier: 1

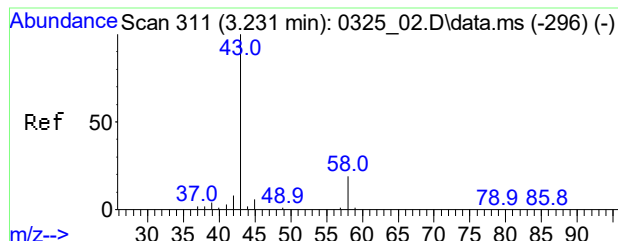
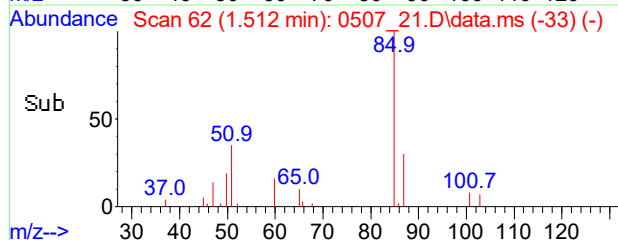
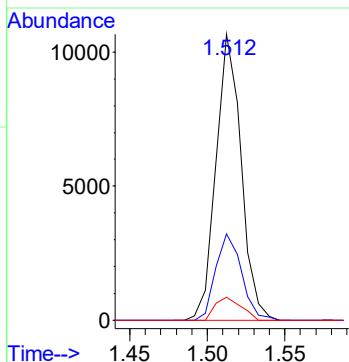
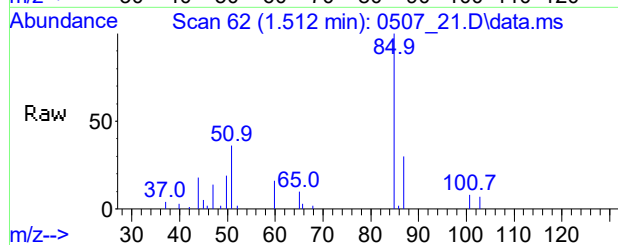
Quant Time: May 08 14:51:32 2021
Quant Method : H:\AIR2021\CHEM24\METHODS\24AIR_0421.M
Quant Title : VOA Standards for 5 point calibration
QLast Update : Thu Apr 22 08:23:13 2021
Response via : Initial Calibration





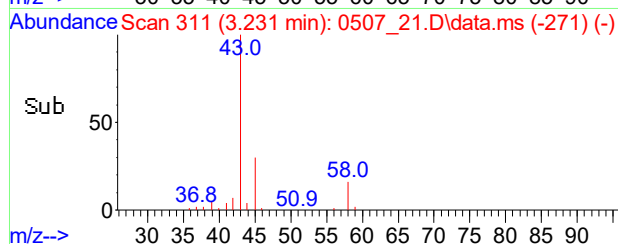
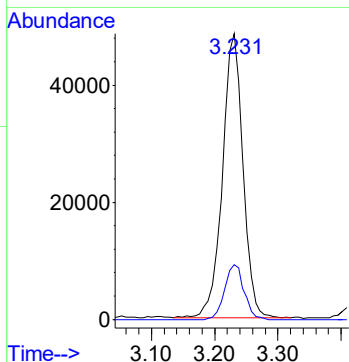
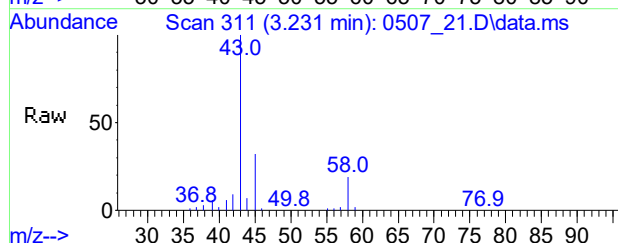
#3
Dichlorodifluoromethane
Conc: 8\$ 0.432 ppbv
RT: 1.512 min Scan# 62
Delta R.T. -0.001 min
Lab File: 0507_21.D
Acq: 8 May 2021 3:39 am

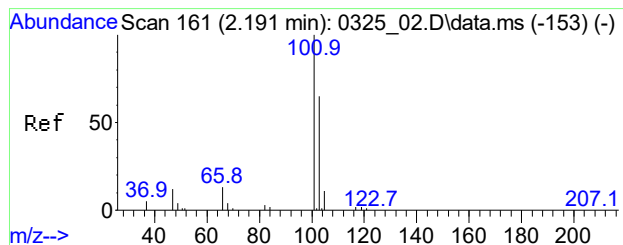
Tgt Ion: 85 Resp: 12058
Ion Ratio Lower Upper
85 100
87 31.1 25.8 38.8
101 8.3 7.3 10.9



#12
Acetone
Conc: 8\$ 3.339 ppbv
RT: 3.231 min Scan# 311
Delta R.T. -0.027 min
Lab File: 0507_21.D
Acq: 8 May 2021 3:39 am

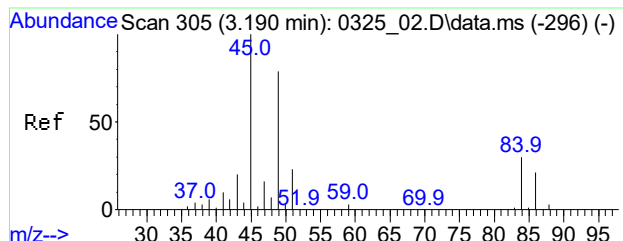
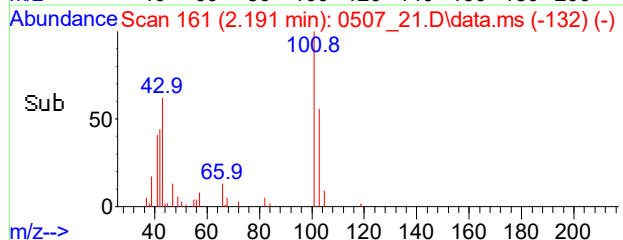
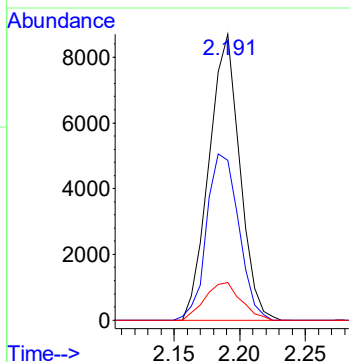
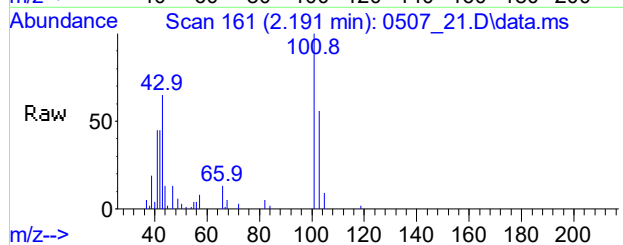
Tgt Ion: 43 Resp: 109786
Ion Ratio Lower Upper
43 100
58 18.1 15.0 22.4





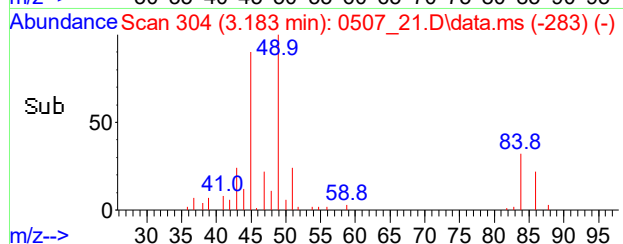
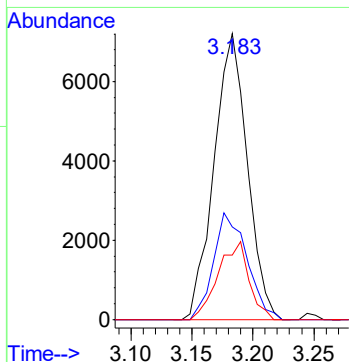
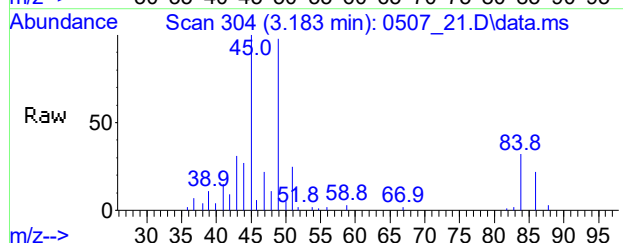
#13
Trichlorofluoromethane
Conc: 8\$ 0.426 ppbv
RT: 2.191 min Scan# 161
Delta R.T. -0.000 min
Lab File: 0507_21.D
Acq: 8 May 2021 3:39 am

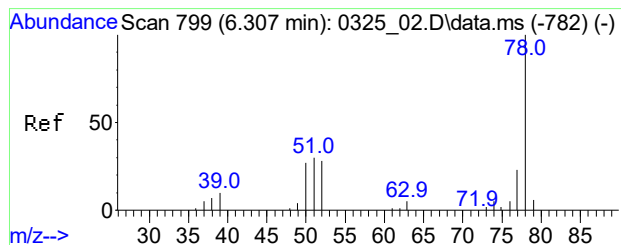
Tgt Ion: 101 Resp: 14033
Ion Ratio Lower Upper
101 100
103 60.8 54.6 82.0
66 15.4 12.2 18.4



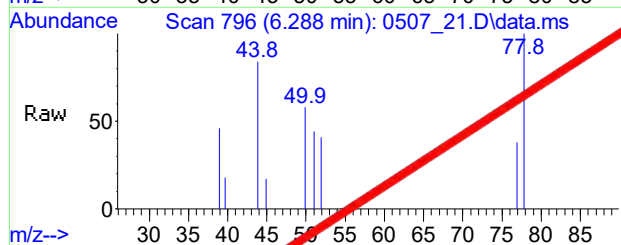
#17
Methylene Chloride
Conc: 8\$ 0.606 ppbv
RT: 3.183 min Scan# 304
Delta R.T. -0.007 min
Lab File: 0507_21.D
Acq: 8 May 2021 3:39 am

Tgt Ion: 49 Resp: 13565
Ion Ratio Lower Upper
49 100
84 37.5 36.2 54.2
86 25.3 22.3 33.5

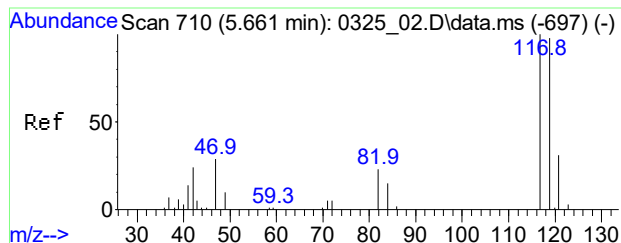
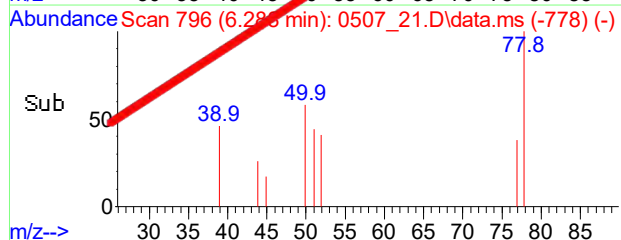
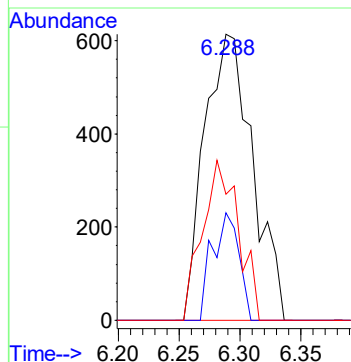




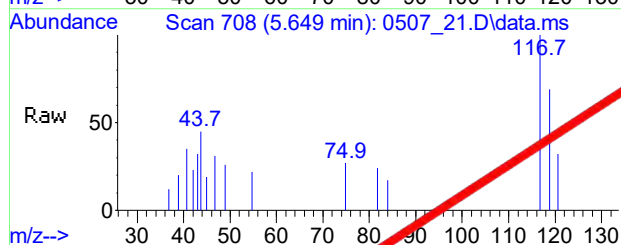
#33
Benzene
Conc: 8% Below Cal
RT: 6.288 min Scan# 796
Delta R.T. -0.026 min
Lab File: 0507_21.D
Acq: 8 May 2021 3:39 am



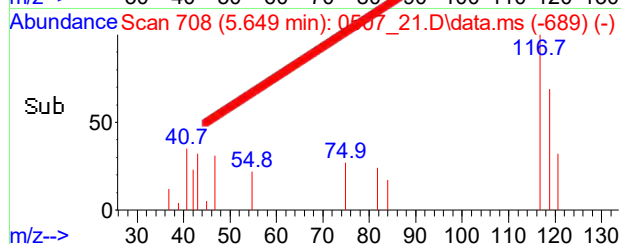
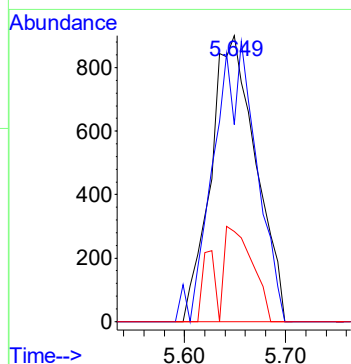
Tgt Ion: 78 Resp: 1668
Ion Ratio Lower Upper
78 100
77 20.6 19.1 28.7
51 41.8 30.3 45.5

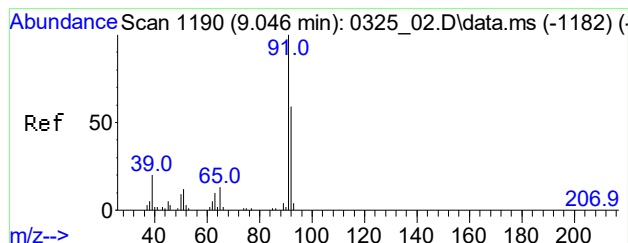


#34
Carbon Tetrachloride
Conc: 8% Below Cal
RT: 5.649 min Scan# 708
Delta R.T. -0.012 min
Lab File: 0507_21.D
Acq: 8 May 2021 3:39 am



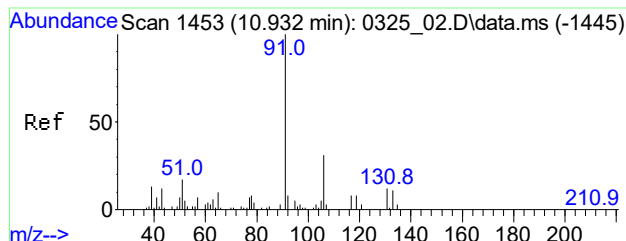
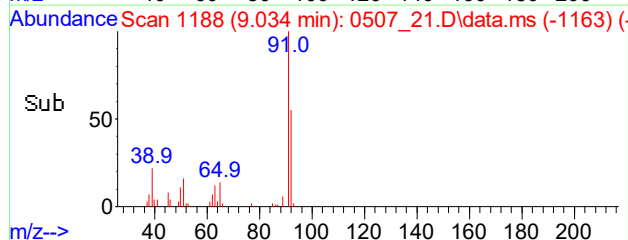
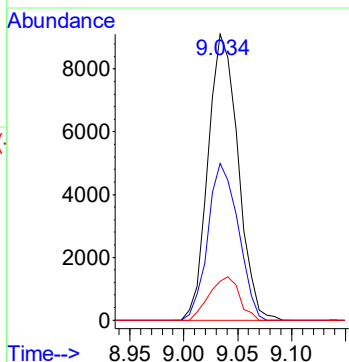
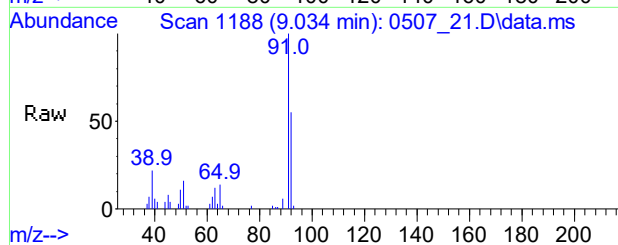
Tgt Ion: 117 Resp: 2787
Ion Ratio Lower Upper
117 100
119 49.4 85.1 125.1#
121 20.6 11.0 51.0





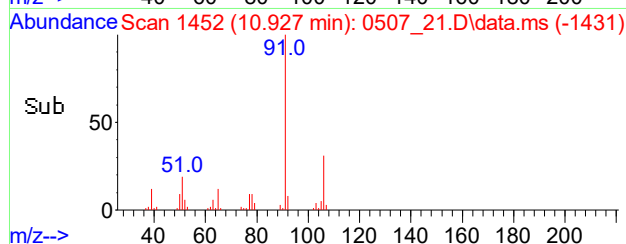
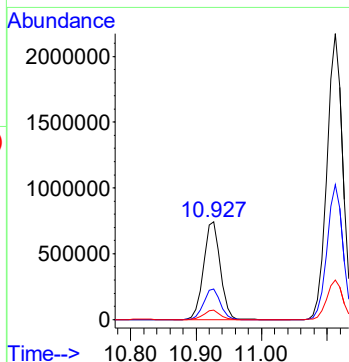
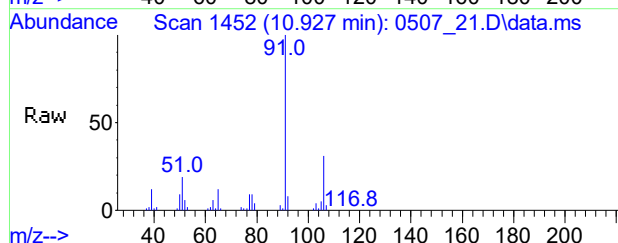
#48
Toluene
Conc: 8\$ 0.473 ppbv
RT: 9.034 min Scan# 1188
Delta R.T. -0.019 min
Lab File: 0507_21.D
Acq: 8 May 2021 3:39 am

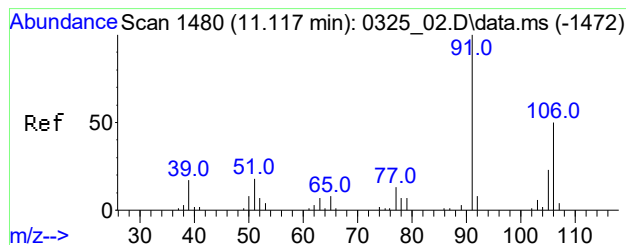
Tgt Ion: 91 Resp: 17607
Ion Ratio Lower Upper
91 100
92 55.6 47.4 71.2
65 15.1 10.2 15.4



#56
Ethylbenzene
Conc: 8\$ 24.659 ppbv
RT: 10.927 min Scan# 1452
Delta R.T. -0.005 min
Lab File: 0507_21.D
Acq: 8 May 2021 3:39 am

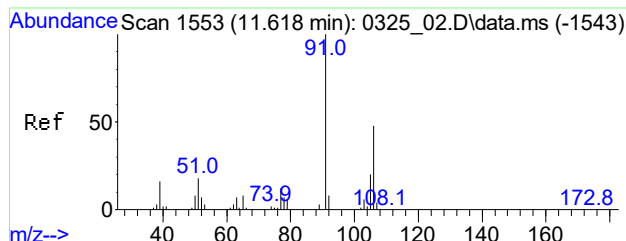
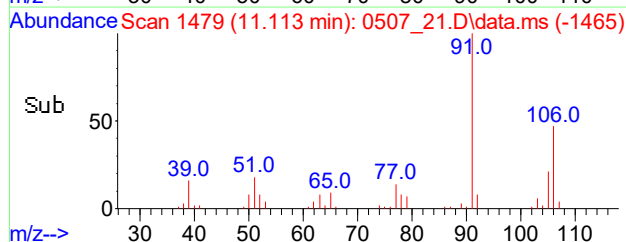
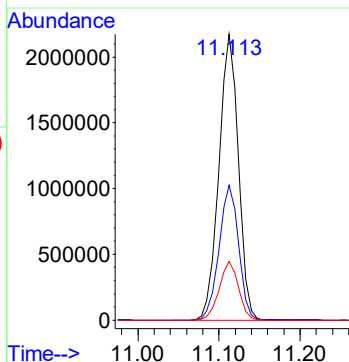
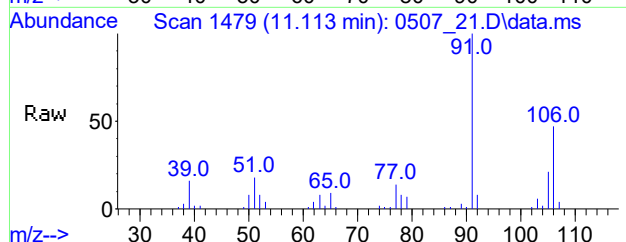
Tgt Ion: 91 Resp: 1299579
Ion Ratio Lower Upper
91 100
106 31.1 17.7 57.7
77 9.2 0.0 32.7





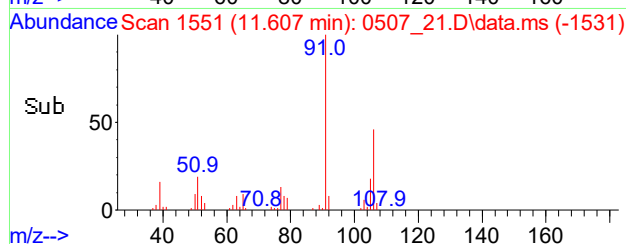
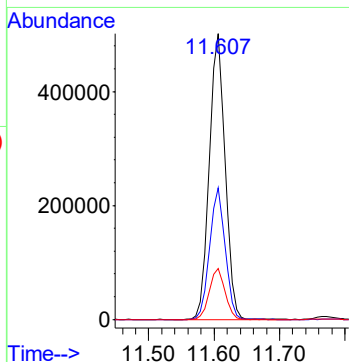
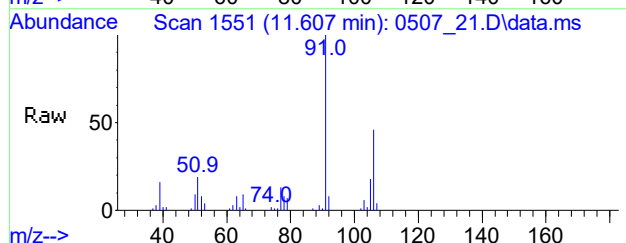
#57
m,p-Xylene
Conc: 8\$ 89.712 ppbv
RT: 11.113 min Scan# 1479
Delta R.T. -0.004 min
Lab File: 0507_21.D
Acq: 8 May 2021 3:39 am

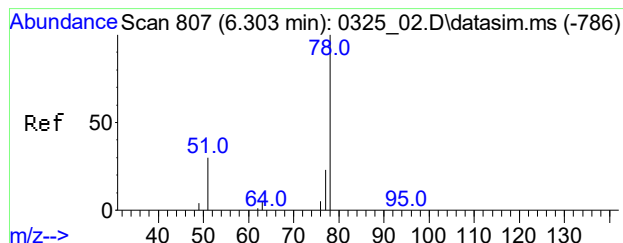
Tgt Ion: 91 Resp: 3614648
Ion Ratio Lower Upper
91 100
106 47.3 39.4 59.2
105 20.4 16.8 25.2



#61
o-Xylene
Conc: 8\$ 18.979 ppbv
RT: 11.607 min Scan# 1551
Delta R.T. -0.011 min
Lab File: 0507_21.D
Acq: 8 May 2021 3:39 am

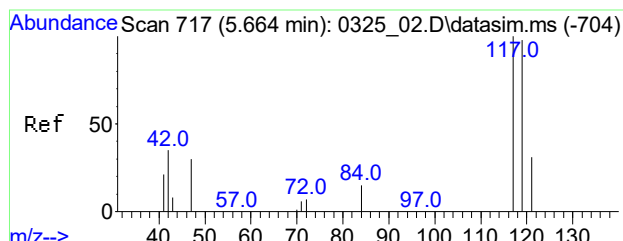
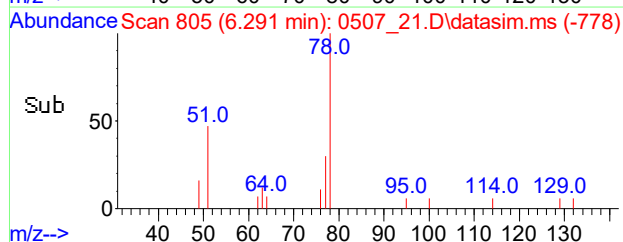
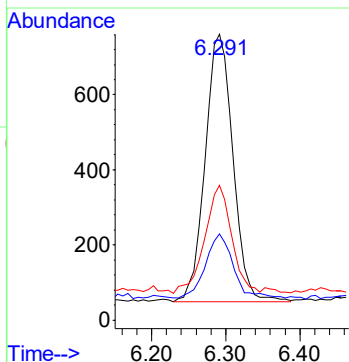
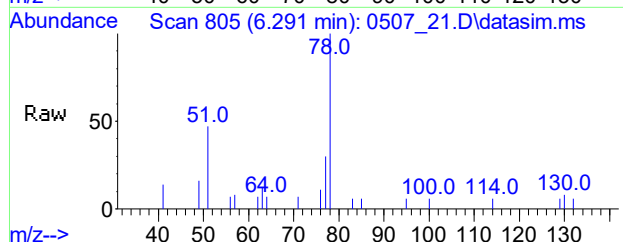
Tgt Ion: 91 Resp: 827833
Ion Ratio Lower Upper
91 100
106 45.3 37.5 56.3
105 17.7 13.5 20.3





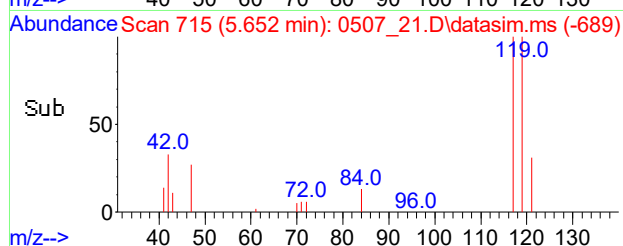
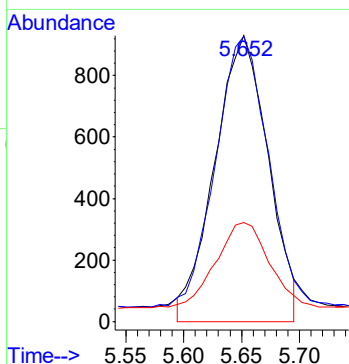
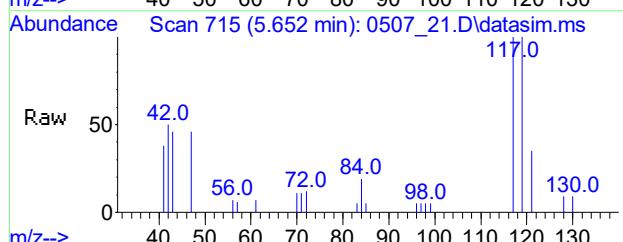
#86
Benzene(sim)
Conc: 8\$ 0.050 ppbv
RT: 6.291 min Scan# 805
Delta R.T. -0.012 min
Lab File: 0507_21.D
Acq: 8 May 2021 3:39 am

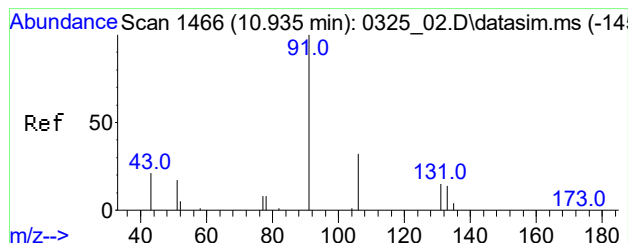
Tgt Ion: 78 Resp: 1853
Ion Ratio Lower Upper
78 100
77 23.4 18.6 28.0
51 39.6 25.4 38.2#



#87
Carbon Tetrachloride(sim)
Conc: 8\$ 0.078 ppbv
RT: 5.649 min Scan# 715
Delta R.T. -0.012 min
Lab File: 0507_21.D
Acq: 8 May 2021 3:39 am

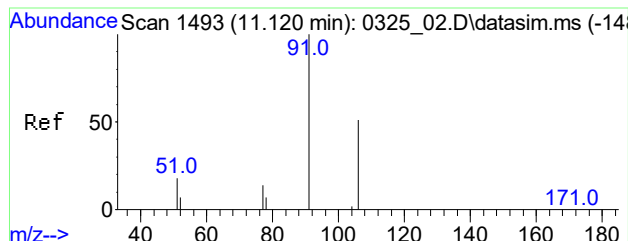
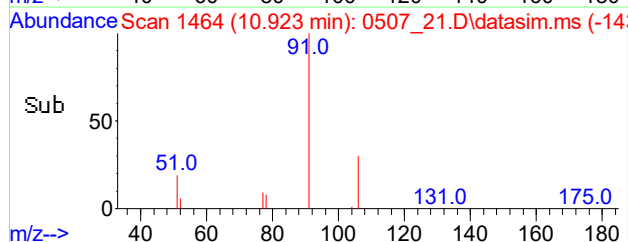
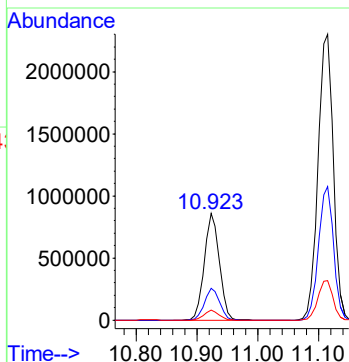
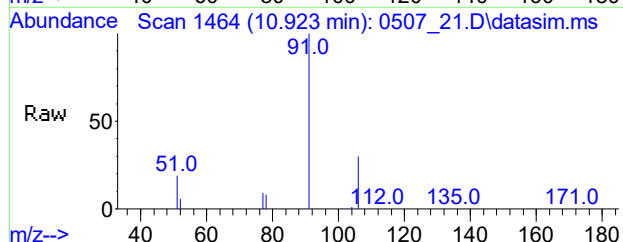
Tgt Ion: 117 Resp: 2588
Ion Ratio Lower Upper
117 100
119 50.3 84.7 127.1#
121 8.1 21.1 31.7#





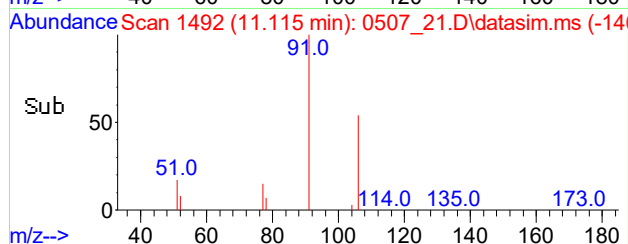
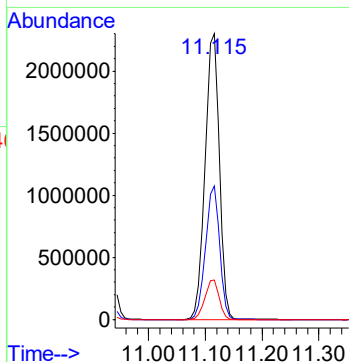
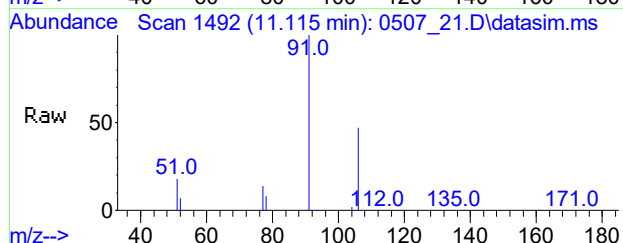
#108
Ethylbenzene(sim)
Conc: 8\$ 23.522 ppb
RT: 10.923 min Scan# 1464
Delta R.T. -0.012 min
Lab File: 0507_21.D
Acq: 8 May 2021 3:39 am

Tgt Ion: 91 Resp: 1457750
Ion Ratio Lower Upper
91 100
106 30.0 24.8 37.2
77 9.1 7.5 11.3



#109
m,p-Xylene(sim)
Conc: 8\$ 86.624 ppbv
RT: 11.113 min Scan# 1492
Delta R.T. -0.004 min
Lab File: 0507_21.D
Acq: 8 May 2021 3:39 am

Tgt Ion: 91 Resp: 3616313
Ion Ratio Lower Upper
91 100
106 47.3 44.4 54.2
77 13.8 11.7 17.5



CLIENT ID

Client: WALDENE-IPARK Lab: Phoenix Env. Labs

SDG No.: GCI26486

Lab Sample ID: CI26489 5X

Canister: 489

Lab File ID: 0510 23.D

Instrument: CHEM24 Column: RTX-VMS

Date Received: 05/07/21

Purge Volume	200	(cc)

Date Analyzed: 05/10/21

Matrix: AIR

Dilution Factor: 5

CONCENTRATION UNITS: (ppbv or ug/m3) ppbv

FORM I AIR

r=Result Reported U=Not Detected D=Reported Dilution E/J=Estimated Value X=Not Used S=Lab Solvent
This form 1 and the associated quantitation report are filtered for detected compounds in the undiluted analysis.

Data Path : H:\AIR2021\CHEM24\05MAY\10\
 Data File : 0510_23.D
 Acq On : 10 May 2021 8:41 pm
 Operator : Keith
 Client ID : SCIA-04 5X
 Lab ID : CI26489 5X
 ALS Vial : 23 Sample Multiplier: 1

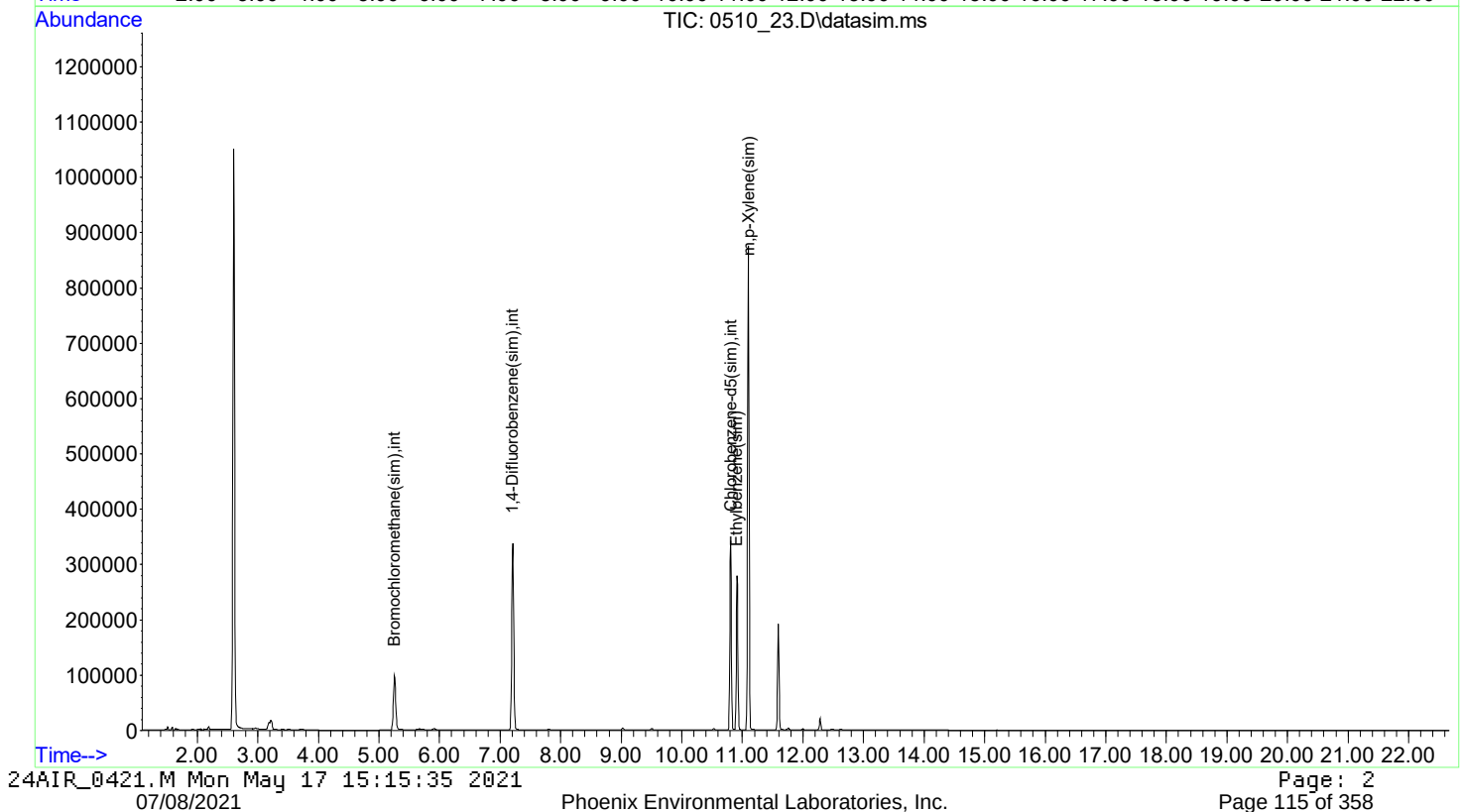
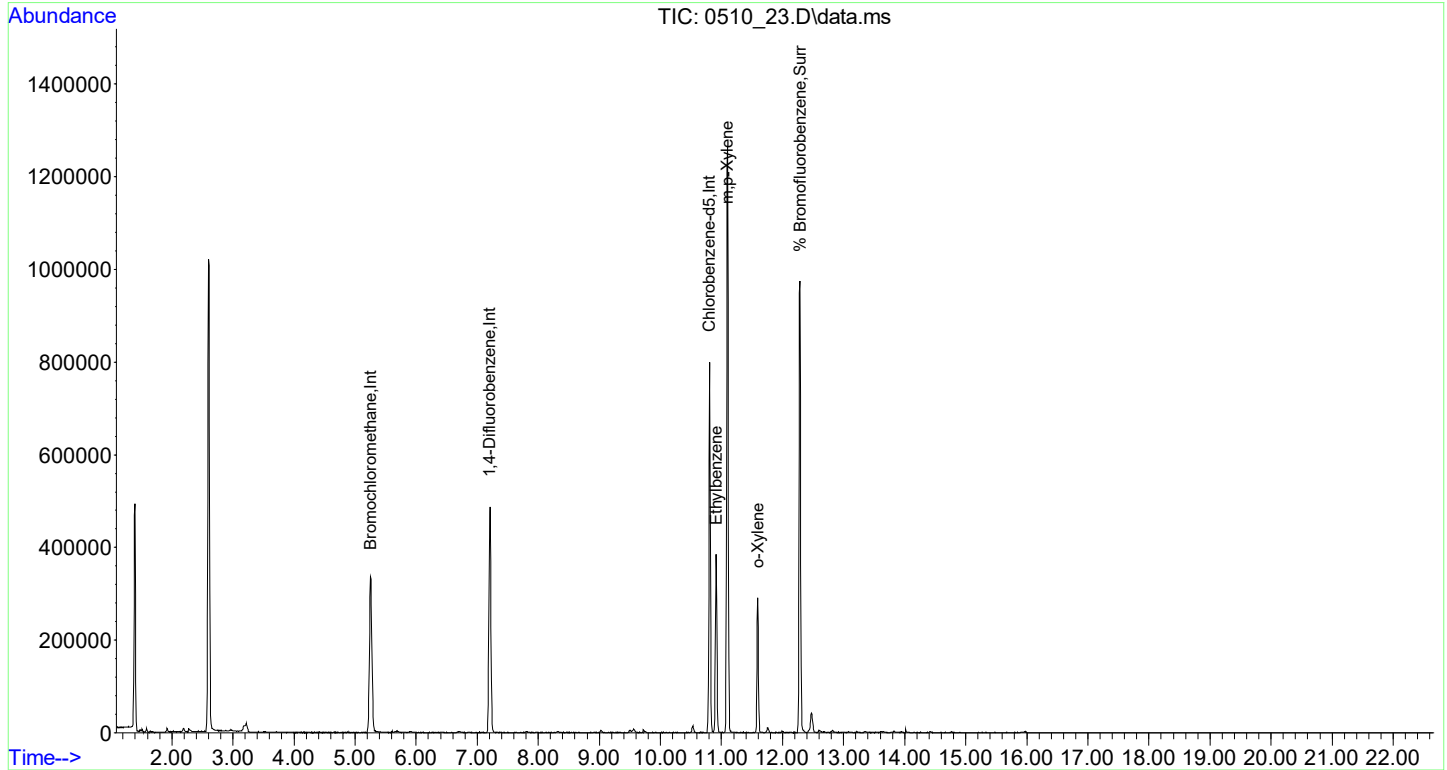
Quant Time: May 11 08:34:52 2021
 Quant Method : H:\AIR2021\CHEM24\METHODS\24AIR_0421.M
 Quant Title : VOA Standards for 5 point calibration
 QLast Update : Thu Apr 22 08:23:13 2021
 Response via : Initial Calibration

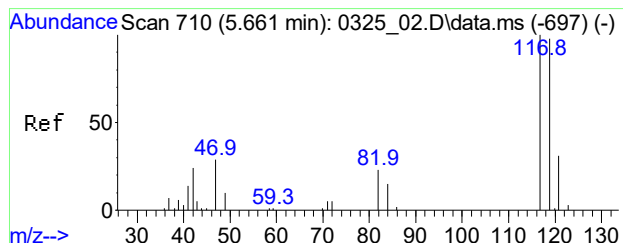
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	5.260	130	126609	10.000	ng	-0.03
36) 1,4-Difluorobenzene	7.206	114	405763	10.000	ng	-0.03
53) Chlorobenzene-d5	10.804	82	210928	10.000	ng	-0.03
80) Bromochloromethane(sim)	5.255	130	132885	10.000	ng	#-0.03
95) 1,4-Difluorobenzene(sim)	7.206	114	405763	10.000	ng	-0.03
105) Chlorobenzene-d5(sim)	10.804	82	210928	10.000	ng	-0.03
System Monitoring Compounds						
62) % Bromofluorobenzene	12.285	95	302052	10.210	ppbv	-0.02
Spiked Amount	10.000	Range	70 - 130	Recovery	= 102.10%	
Target Compounds						
					Qvalue	
34) Carbon Tetrachloride	5.642	117	604	0.019	ppbv#	65
56) Ethylbenzene	10.914	91	246489	4.723	ppbv	91
57) m,p-Xylene	11.099	91	685011	17.168	ppbv	98
61) o-Xylene	11.593	91	150941	3.494	ppbv	99
108] Ethylbenzene(sim)	10.910	91	280493	4.570	ppb	98
109] m,p-Xylene(sim)	11.099	91	685485	16.581	ppbv	98

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

Data Path : H:\AIR2021\CHEM24\05MAY\10\
Data File : 0510_23.D
Acq On : 10 May 2021 8:41 pm
Operator : Keith
Client ID : SCIA-04 5X
Lab ID : CI26489 5X
ALS Vial : 23 Sample Multiplier: 1

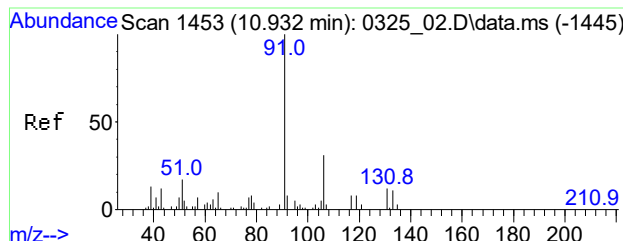
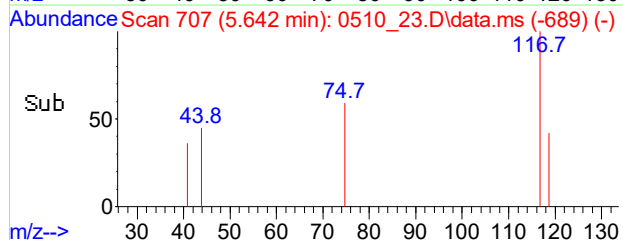
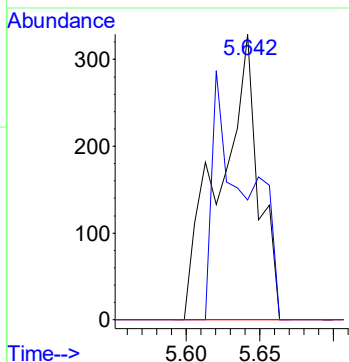
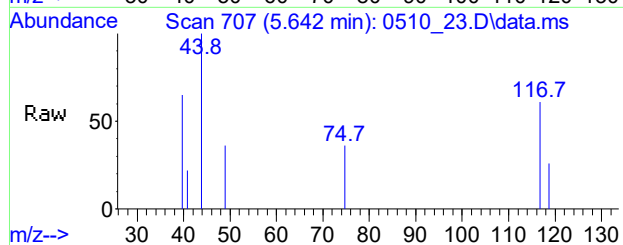
Quant Time: May 11 08:34:52 2021
Quant Method : H:\AIR2021\CHEM24\METHODS\24AIR_0421.M
Quant Title : VOA Standards for 5 point calibration
QLast Update : Thu Apr 22 08:23:13 2021
Response via : Initial Calibration





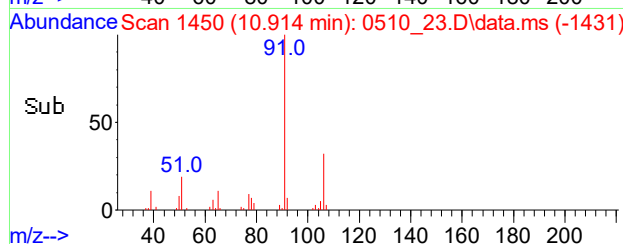
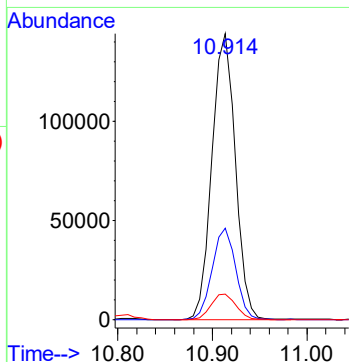
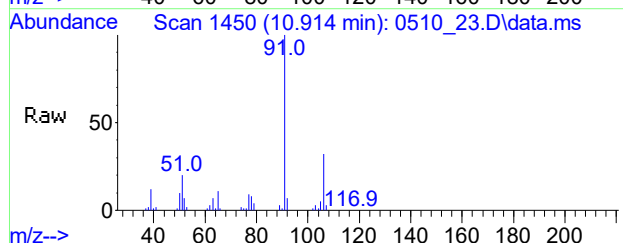
#34
Carbon Tetrachloride
Conc: 8\$ Below Cal
RT: 5.642 min Scan# 707
Delta R.T. -0.019 min
Lab File: 0510_23.D
Acq: 10 May 2021 8:41 pm

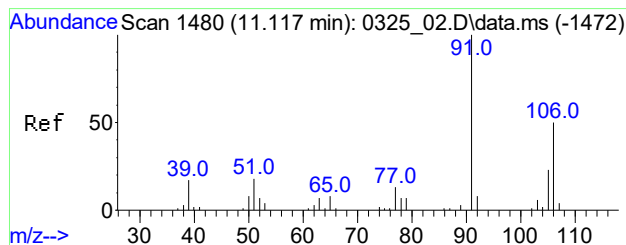
Tgt Ion: 117 Resp: 604
Ion Ratio Lower Upper
117 100
119 75.7 85.1 125.1#
121 0.0 11.0 51.0#



#56
Ethylbenzene
Conc: 8\$ 4.723 ppbv
RT: 10.914 min Scan# 1450
Delta R.T. -0.018 min
Lab File: 0510_23.D
Acq: 10 May 2021 8:41 pm

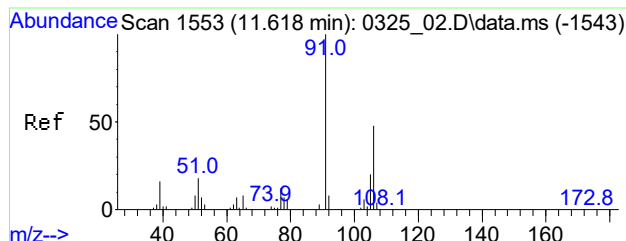
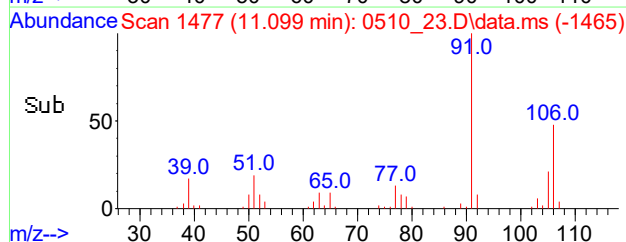
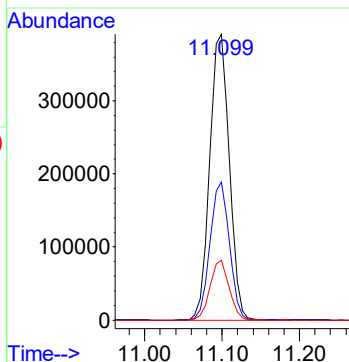
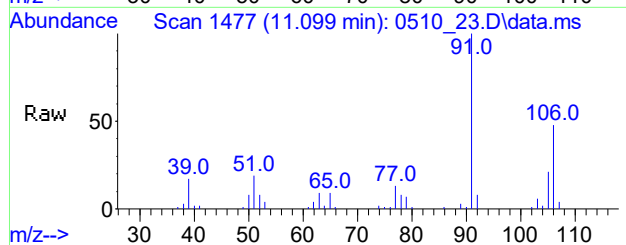
Tgt Ion: 91 Resp: 246489
Ion Ratio Lower Upper
91 100
106 32.1 17.7 57.7
77 9.4 0.0 32.7





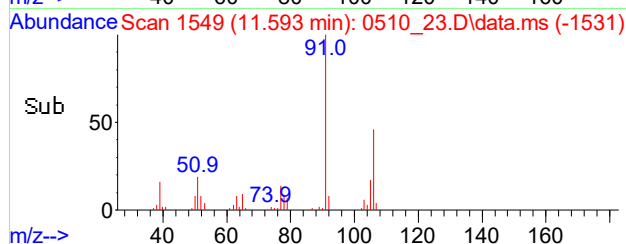
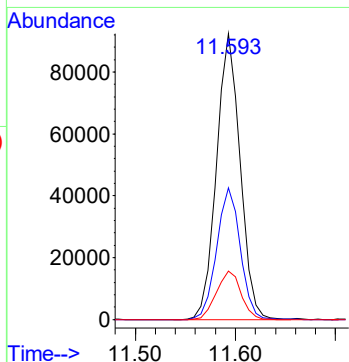
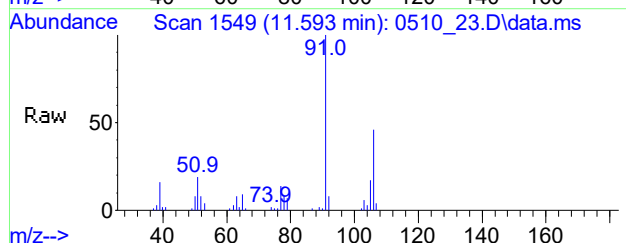
#57
m,p-Xylene
Conc: 8\$ 17.168 ppbv
RT: 11.099 min Scan# 1477
Delta R.T. -0.018 min
Lab File: 0510_23.D
Acq: 10 May 2021 8:41 pm

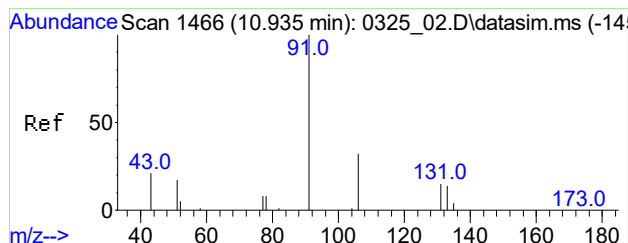
Tgt Ion	Ratio	Lower	Upper
91	100		
106	47.8	39.4	59.2
105	20.3	16.8	25.2



#61
o-Xylene
Conc: 8\$ 3.494 ppbv
RT: 11.593 min Scan# 1549
Delta R.T. -0.025 min
Lab File: 0510_23.D
Acq: 10 May 2021 8:41 pm

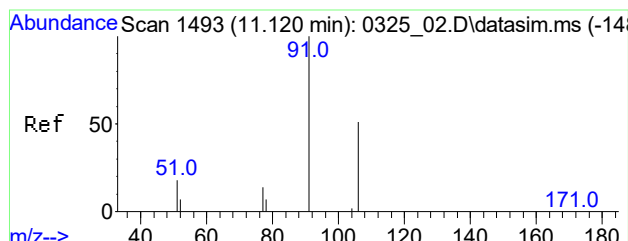
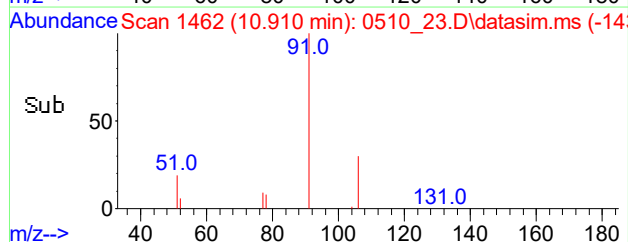
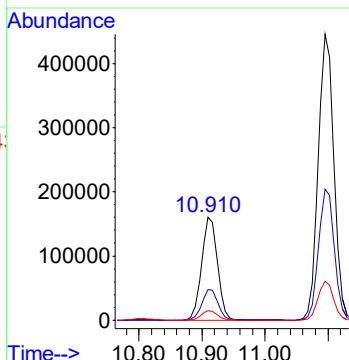
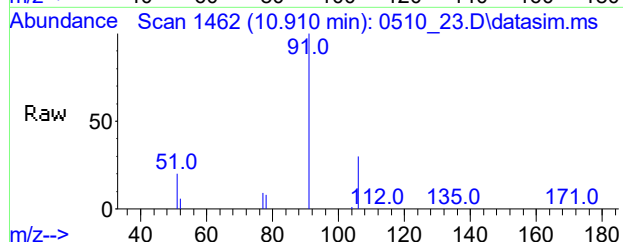
Tgt Ion	Ratio	Lower	Upper
91	100		
106	46.0	37.5	56.3
105	17.7	13.5	20.3





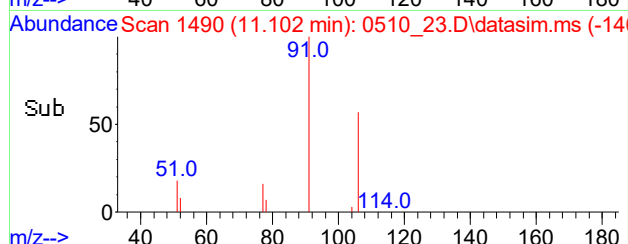
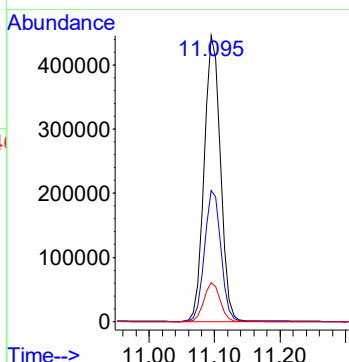
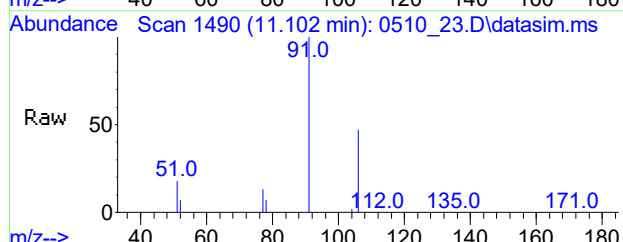
#108
Ethylbenzene(sim)
Conc: 8\$ 4.570 ppb
RT: 10.910 min Scan# 1462
Delta R.T. -0.025 min
Lab File: 0510_23.D
Acq: 10 May 2021 8:41 pm

Tgt Ion: 91 Resp: 280493
Ion Ratio Lower Upper
91 100
106 30.0 24.8 37.2
77 9.1 7.5 11.3



#109
m,p-Xylene(sim)
Conc: 8\$ 16.581 ppbv
RT: 11.099 min Scan# 1490
Delta R.T. -0.018 min
Lab File: 0510_23.D
Acq: 10 May 2021 8:41 pm

Tgt Ion: 91 Resp: 685485
Ion Ratio Lower Upper
91 100
106 47.8 44.4 54.2
77 13.6 11.7 17.5



Client:	WALDENE-IPARK	Lab:	Phoenix Env. Labs
SDG No.:	GCI26486	Lab Sample ID:	CI26490
Canister:	12859	Lab File ID:	0507_23.D
Instrument:	CHEM24	Column:	RTX-VMS
Purge Volume	200 (cc)	Date Received:	05/07/21
		Date Analyzed:	05/08/21
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:\AIR2021\CHEM24\05MAY\07\
 Data File : 0507_23.D
 Acq On : 8 May 2021 5:01 am
 Operator : Keith
 Client ID : SCIA-05
 Lab ID : CI26490
 ALS Vial : 22 Sample Multiplier: 1

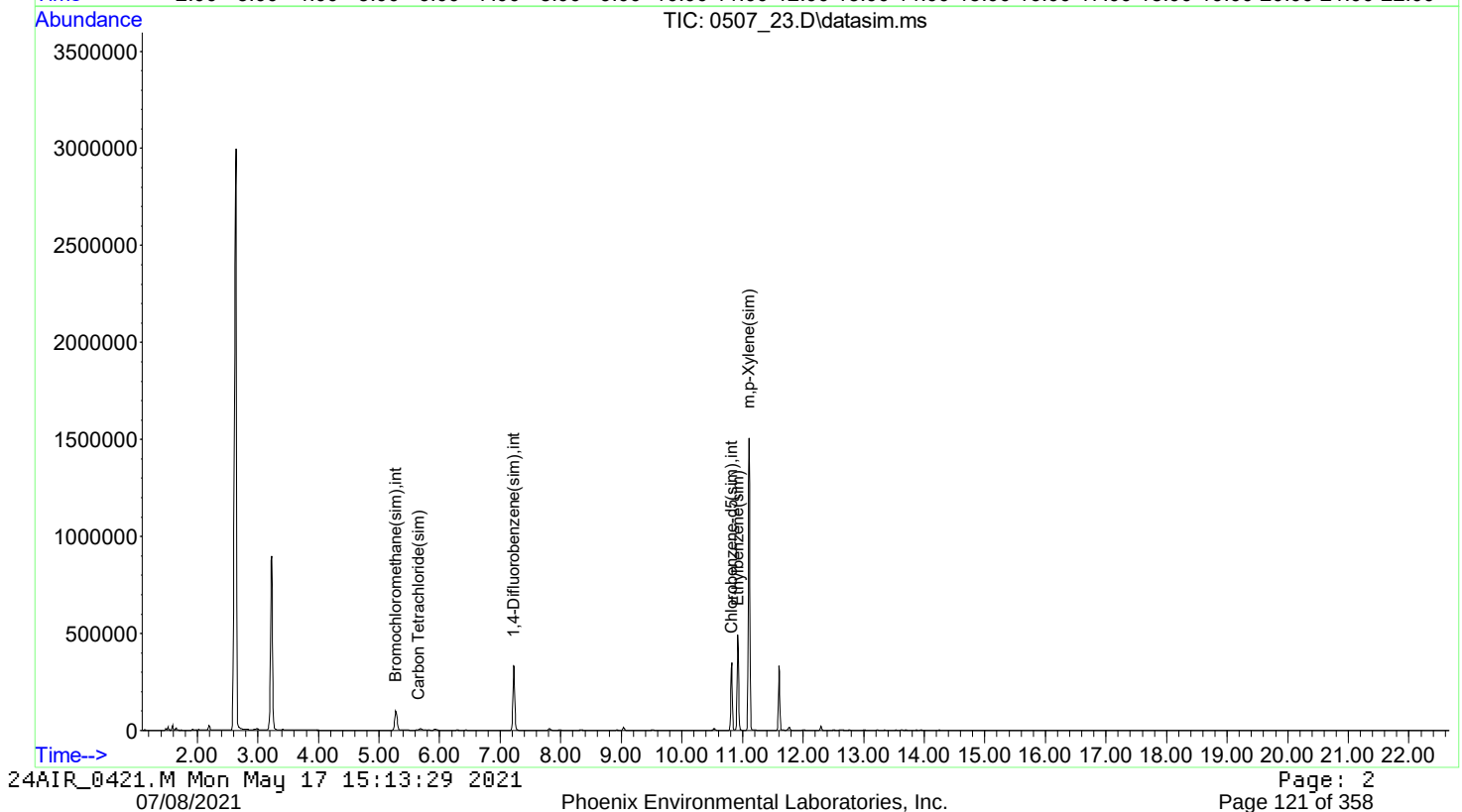
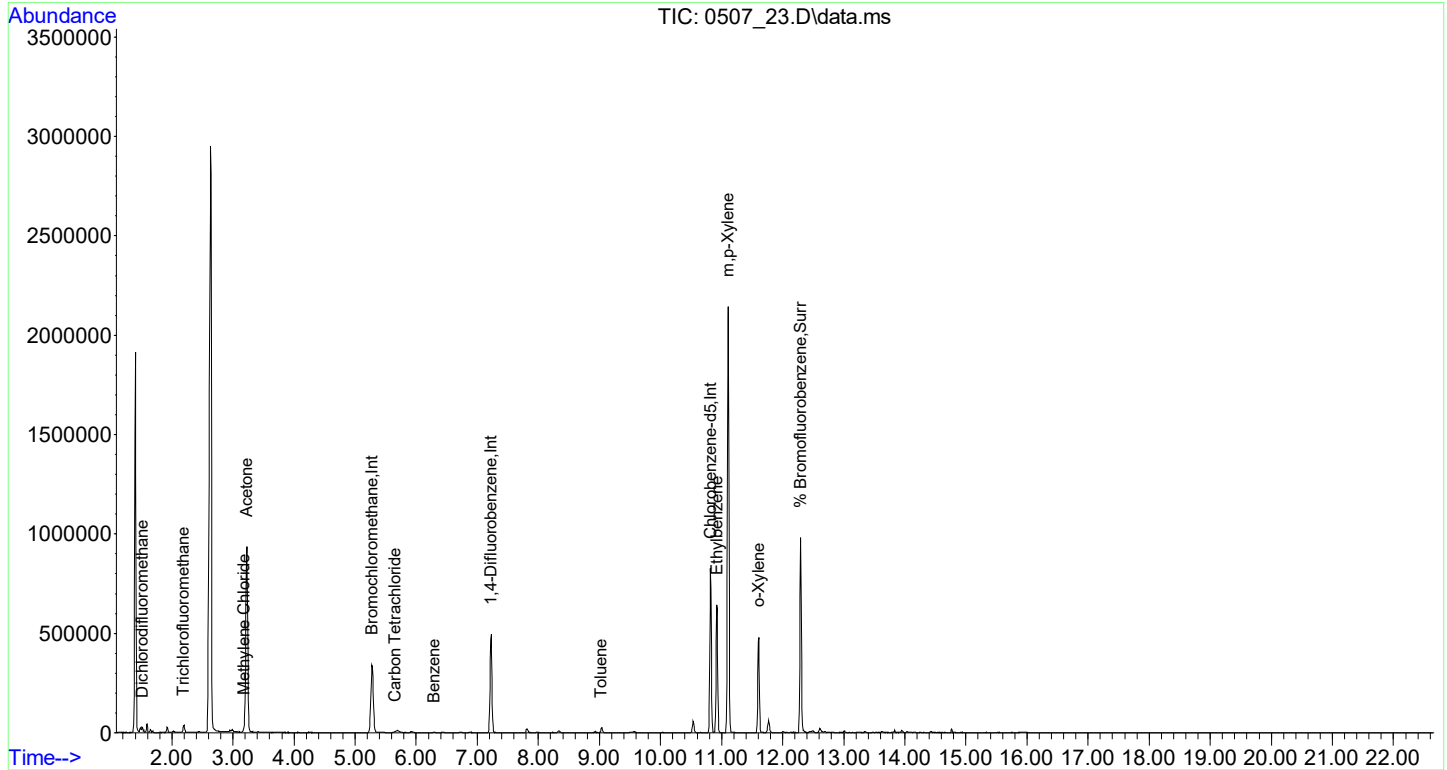
Quant Time: May 08 14:52:16 2021
 Quant Method : H:\AIR2021\CHEM24\METHODS\24AIR_0421.M
 Quant Title : VOA Standards for 5 point calibration
 QLast Update : Thu Apr 22 08:23:13 2021
 Response via : Initial Calibration

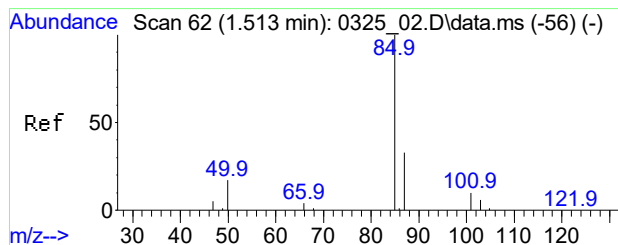
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	5.274	130	128331	10.000	ng	-0.02
36) 1,4-Difluorobenzene	7.226	114	406051	10.000	ng	-0.01
53) Chlorobenzene-d5	10.818	82	214218	10.000	ng	-0.01
80) Bromochloromethane(sim)	5.277	130	134496	10.000	ng	#-0.01
95) 1,4-Difluorobenzene(sim)	7.226	114	406051	10.000	ng	-0.01
105) Chlorobenzene-d5(sim)	10.818	82	214218	10.000	ng	-0.01
System Monitoring Compounds						
62) % Bromofluorobenzene	12.298	95	308001	10.252	ppbv	0.00
Spiked Amount	10.000	Range	70 - 130	Recovery	=	102.50%
Target Compounds						
						Qvalue
3) Dichlorodifluoromethane	1.519	85	11238	0.395	ppbv	98
12) Acetone	3.224	43	1353283	40.368	ppbv	97
13) Trichlorofluoromethane	2.191	101	14303	0.426	ppbv	95
17) Methylene Chloride	3.183	49	10384	0.455	ppbv#	87
33) Benzene	6.295	78	1558	0.051	ppbv#	93
34) Carbon Tetrachloride	5.656	117	2608	0.082	ppbv	98
48) Toluene	9.034	91	15712	0.418	ppbv#	99
56) Ethylbenzene	10.920	91	423438	7.989	ppbv	89
57) m, p-Xylene	11.106	91	1165228	28.755	ppbv	98
61) o-Xylene	11.607	91	258400	5.890	ppbv	98
87] Carbon Tetrachloride(sim)	5.656	117	2608	0.078	ppbv#	80
108] Ethylbenzene(sim)	10.923	91	478455	7.676	ppb	98
109] m, p-Xylene(sim)	11.106	91	1166772	27.789	ppbv	98

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

Data Path : H:\AIR2021\CHEM24\05MAY\07\
Data File : 0507_23.D
Acq On : 8 May 2021 5:01 am
Operator : Keith
Client ID : SCIA-05
Lab ID : CI26490
ALS Vial : 22 Sample Multiplier: 1

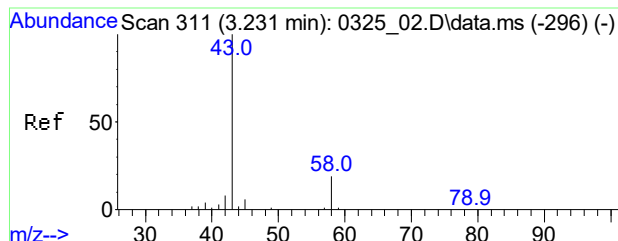
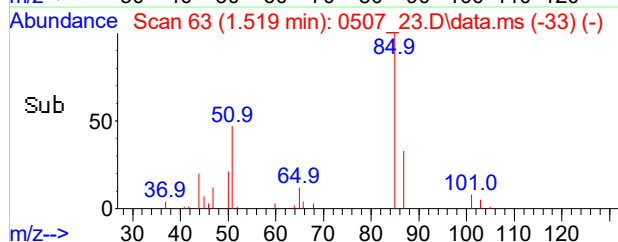
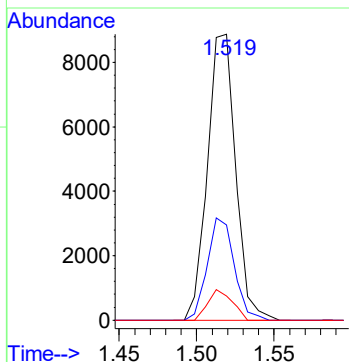
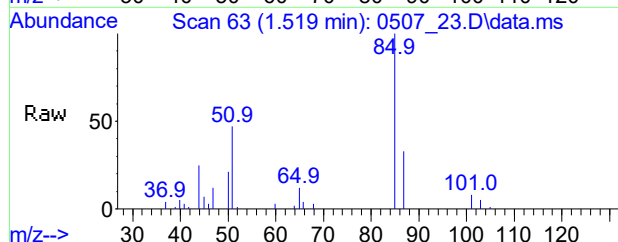
Quant Time: May 08 14:52:16 2021
Quant Method : H:\AIR2021\CHEM24\METHODS\24AIR_0421.M
Quant Title : VOA Standards for 5 point calibration
QLast Update : Thu Apr 22 08:23:13 2021
Response via : Initial Calibration





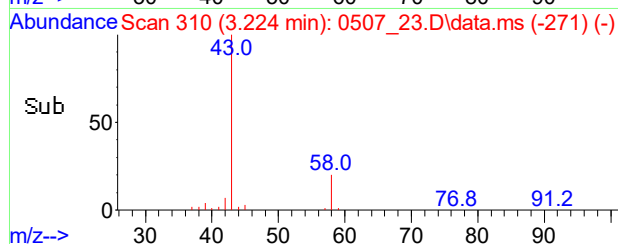
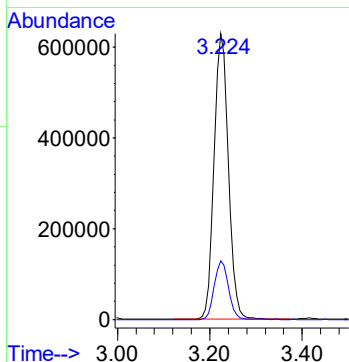
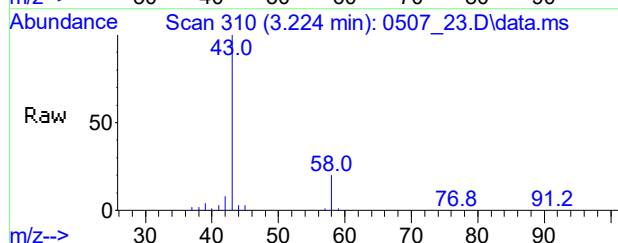
#3
Dichlorodifluoromethane
Conc: 8% 0.395 ppbv
RT: 1.519 min Scan# 63
Delta R.T. 0.006 min
Lab File: 0507_23.D
Acq: 8 May 2021 5:01 am

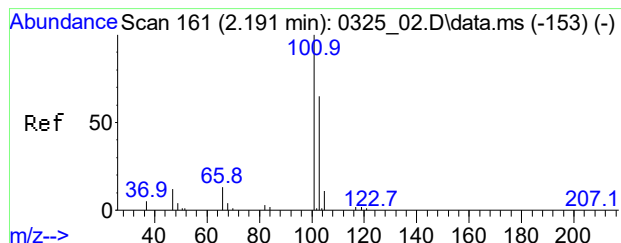
Tgt Ion: 85 Resp: 11238
Ion Ratio Lower Upper
85 100
87 34.0 25.8 38.8
101 9.3 7.3 10.9



#12
Acetone
Conc: 8% 40.368 ppbv
RT: 3.224 min Scan# 310
Delta R.T. -0.034 min
Lab File: 0507_23.D
Acq: 8 May 2021 5:01 am

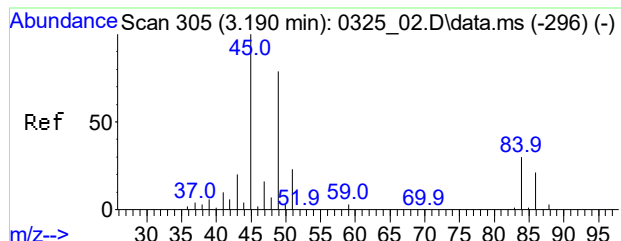
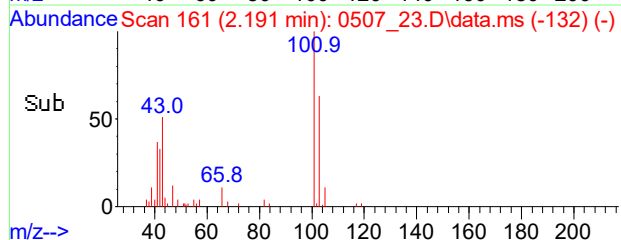
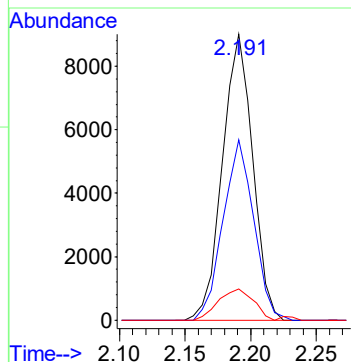
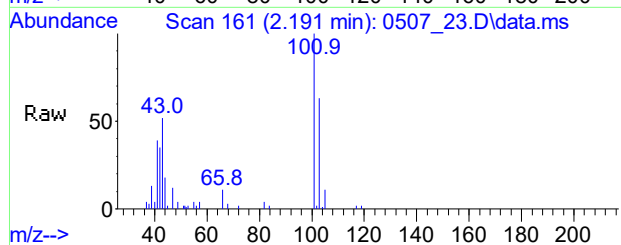
Tgt Ion: 43 Resp: 1353283
Ion Ratio Lower Upper
43 100
58 20.2 15.0 22.4





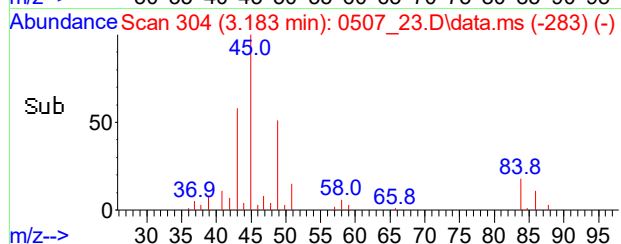
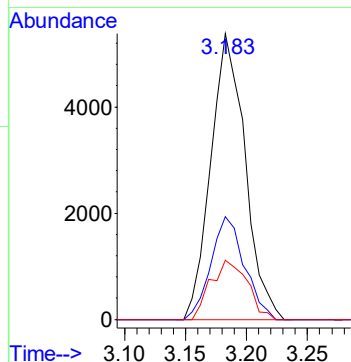
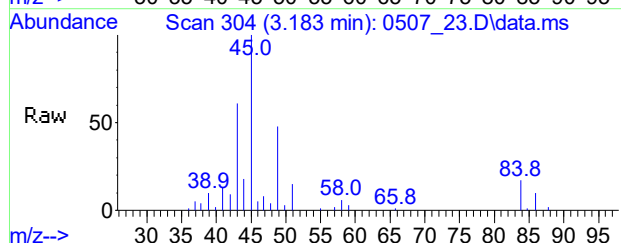
#13
Trichlorofluoromethane
Conc: 8\$ 0.426 ppbv
RT: 2.191 min Scan# 161
Delta R.T. -0.000 min
Lab File: 0507_23.D
Acq: 8 May 2021 5:01 am

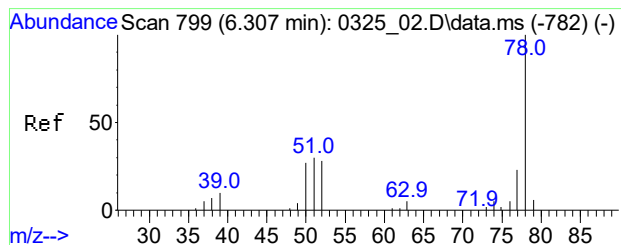
Tgt Ion	Ratio	Lower	Upper
101	100		
103	64.0	54.6	82.0
66	12.6	12.2	18.4



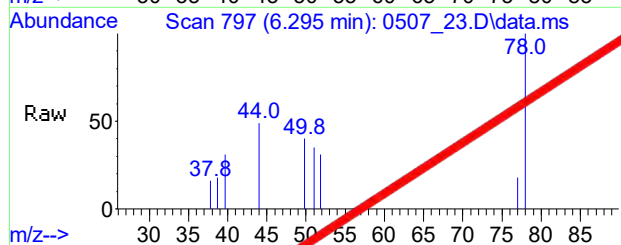
#17
Methylene Chloride
Conc: 8\$ 0.455 ppbv
RT: 3.183 min Scan# 304
Delta R.T. -0.007 min
Lab File: 0507_23.D
Acq: 8 May 2021 5:01 am

Tgt Ion	Ratio	Lower	Upper
49	100		
84	35.3	36.2	54.2#
86	22.2	22.3	33.5#

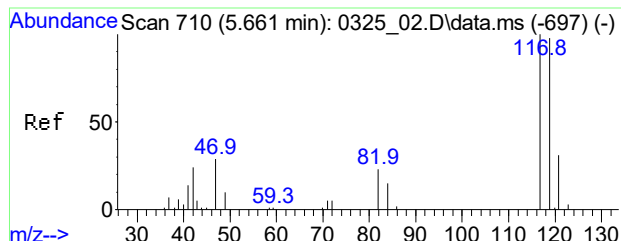
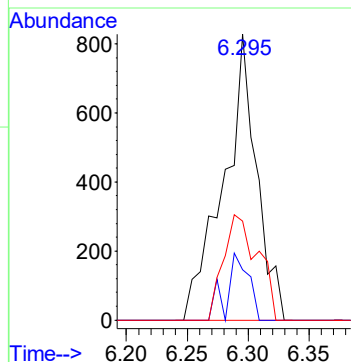
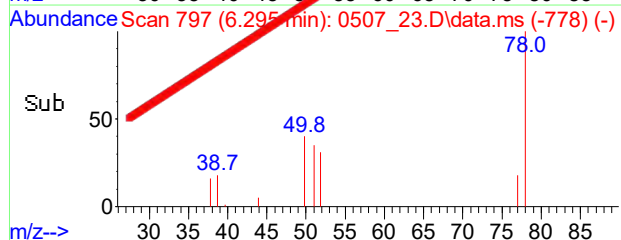




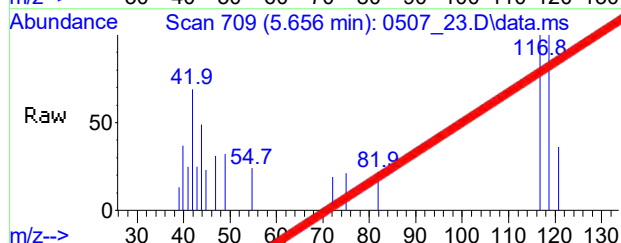
#33
Benzene
Conc: 8% Below Cal
RT: 6.295 min Scan# 797
Delta R.T. -0.019 min
Lab File: 0507_23.D
Acq: 8 May 2021 5:01 am



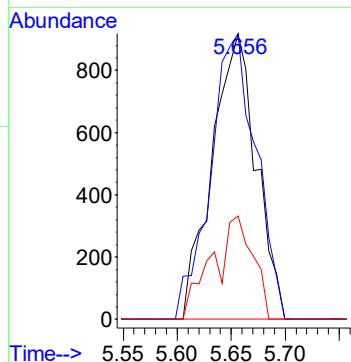
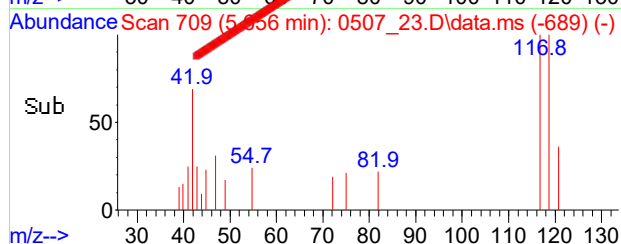
Tgt Ion: 78 Resp: 1558
Ion Ratio Lower Upper
78 100
77 15.3 19.1 28.7#
51 38.1 30.3 45.5

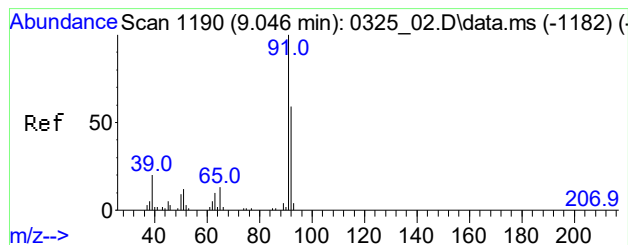


#34
Carbon Tetrachloride
Conc: 8% Below Cal
RT: 5.656 min Scan# 709
Delta R.T. -0.005 min
Lab File: 0507_23.D
Acq: 8 May 2021 5:01 am



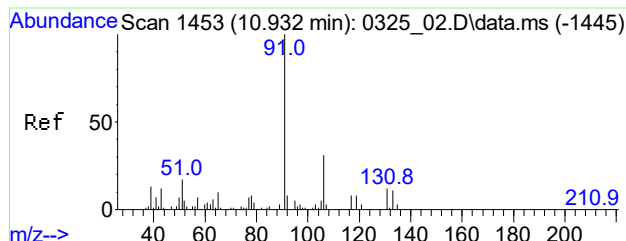
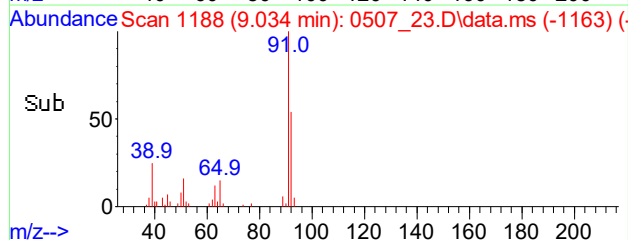
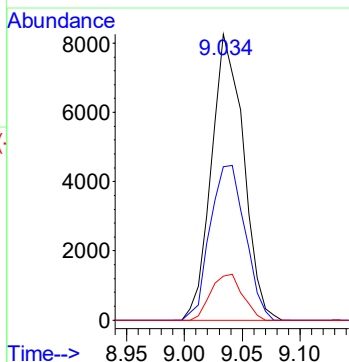
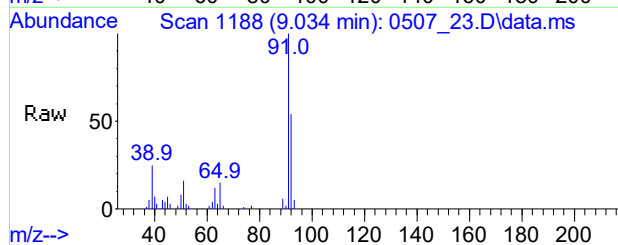
Tgt Ion: 117 Resp: 2608
Ion Ratio Lower Upper
117 100
119 103.0 85.1 125.1
121 33.1 11.0 51.0





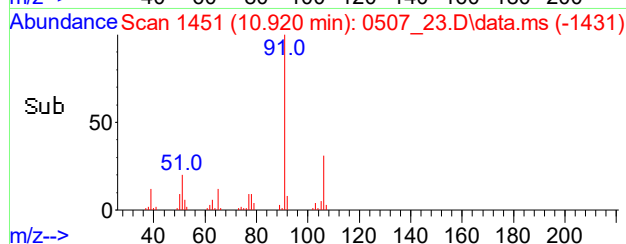
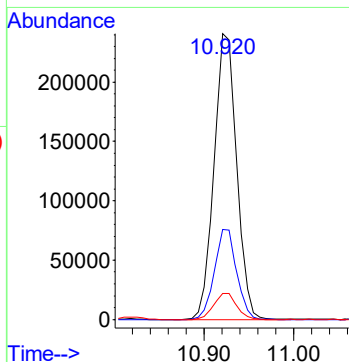
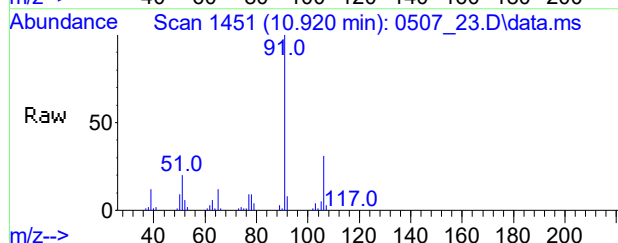
#48
Toluene
Conc: 8\$ 0.418 ppbv
RT: 9.034 min Scan# 1188
Delta R.T. -0.019 min
Lab File: 0507_23.D
Acq: 8 May 2021 5:01 am

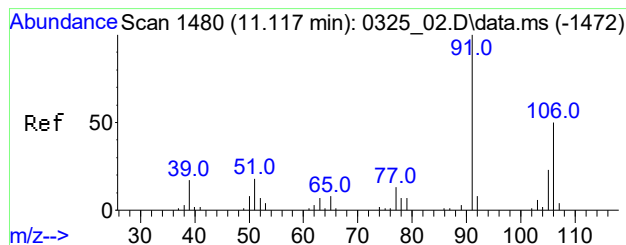
Tgt Ion: 91 Resp: 15712
Ion Ratio Lower Upper
91 100
92 59.3 47.4 71.2
65 15.8 10.2 15.4#



#56
Ethylbenzene
Conc: 8\$ 7.989 ppbv
RT: 10.920 min Scan# 1451
Delta R.T. -0.012 min
Lab File: 0507_23.D
Acq: 8 May 2021 5:01 am

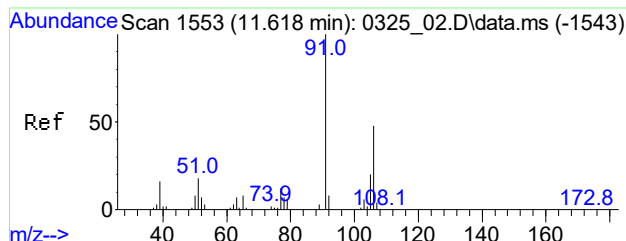
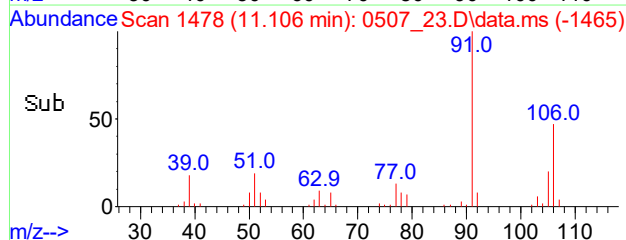
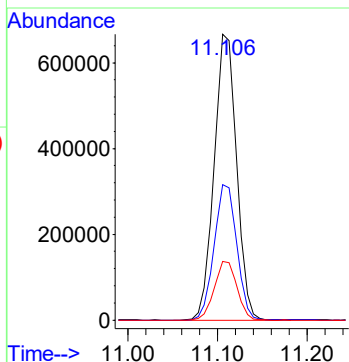
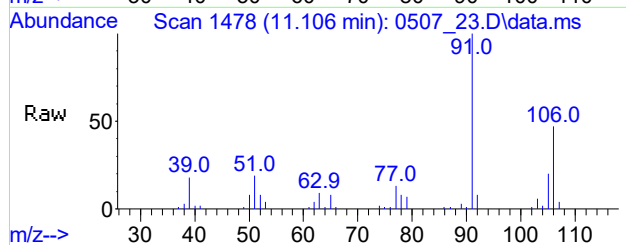
Tgt Ion: 91 Resp: 423438
Ion Ratio Lower Upper
91 100
106 30.9 17.7 57.7
77 9.2 0.0 32.7





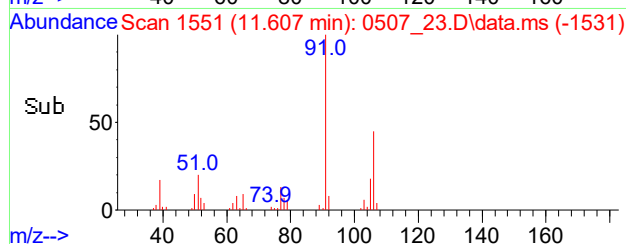
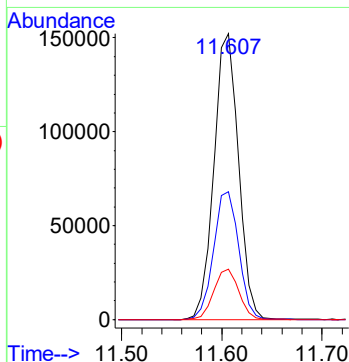
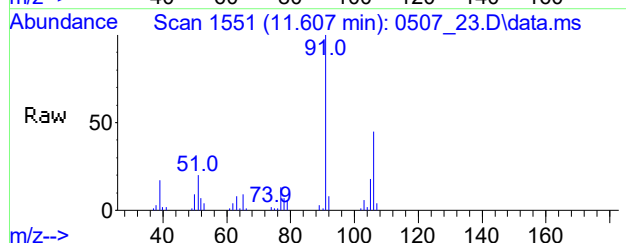
#57
m,p-Xylene
Conc: 8\$ 28.755 ppbv
RT: 11.106 min Scan# 1478
Delta R.T. -0.011 min
Lab File: 0507_23.D
Acq: 8 May 2021 5:01 am

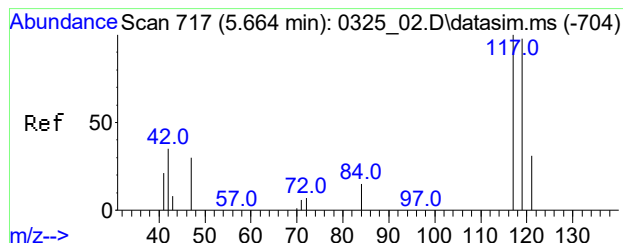
Tgt Ion: 91 Resp: 1165228
Ion Ratio Lower Upper
91 100
106 47.7 39.4 59.2
105 20.6 16.8 25.2



#61
o-Xylene
Conc: 8\$ 5.890 ppbv
RT: 11.607 min Scan# 1551
Delta R.T. -0.011 min
Lab File: 0507_23.D
Acq: 8 May 2021 5:01 am

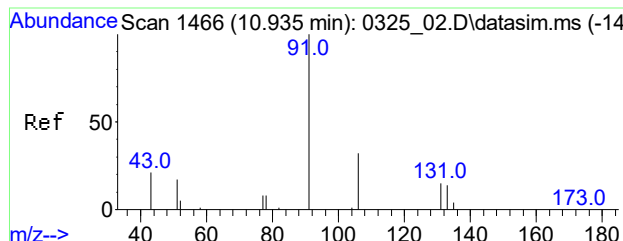
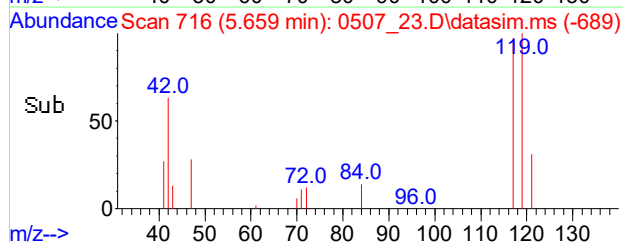
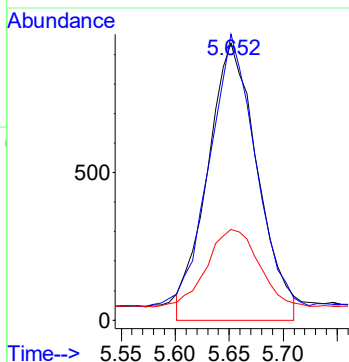
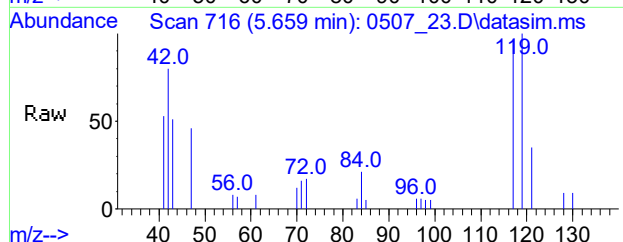
Tgt Ion: 91 Resp: 258400
Ion Ratio Lower Upper
91 100
106 45.8 37.5 56.3
105 17.9 13.5 20.3





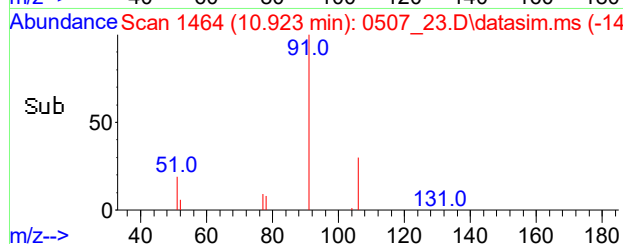
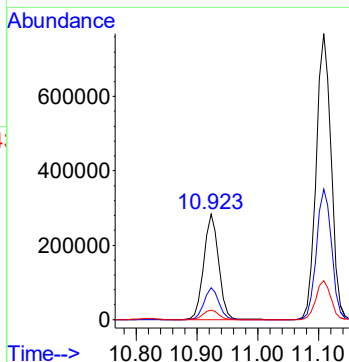
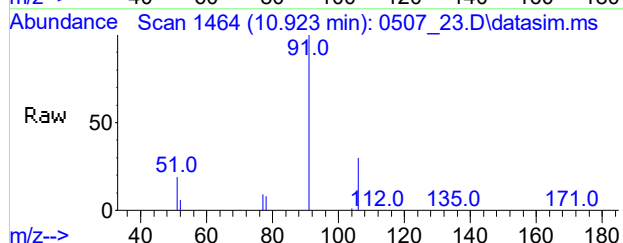
#87
Carbon Tetrachloride(sim)
Conc: 8\$ 0.078 ppbv
RT: 5.656 min Scan# 716
Delta R.T. -0.005 min
Lab File: 0507_23.D
Acq: 8 May 2021 5:01 am

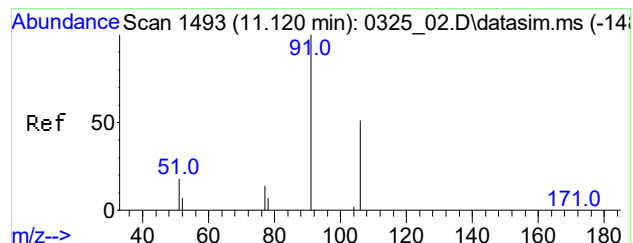
Tgt Ion: 117 Resp: 2608
Ion Ratio Lower Upper
117 100
119 84.5 84.7 127.1#
121 16.6 21.1 31.7#



#108
Ethylbenzene(sim)
Conc: 8\$ 7.676 ppb
RT: 10.923 min Scan# 1464
Delta R.T. -0.012 min
Lab File: 0507_23.D
Acq: 8 May 2021 5:01 am

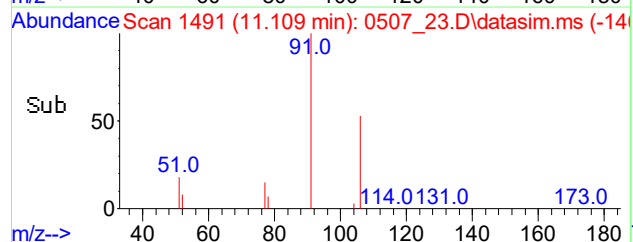
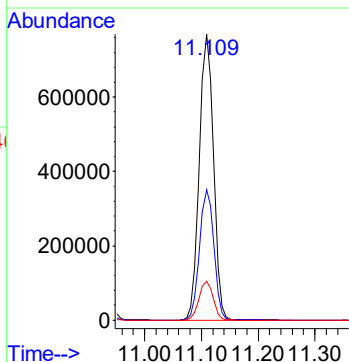
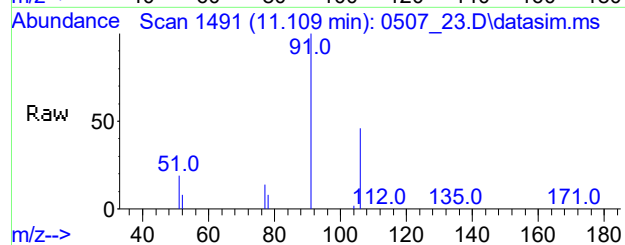
Tgt Ion: 91 Resp: 478455
Ion Ratio Lower Upper
91 100
106 30.0 24.8 37.2
77 9.0 7.5 11.3





#109
 m,p-Xylene(sim)
 Conc: 8\$ 27.789 ppbv
 RT: 11.106 min Scan# 1491
 Delta R.T. -0.011 min
 Lab File: 0507_23.D
 Acq: 8 May 2021 5:01 am

Tgt Ion: 91 Resp: 1166772
 Ion Ratio Lower Upper
 91 100
 106 47.6 44.4 54.2
 77 13.6 11.7 17.5



CLIENT ID

SCIA-05 2X

Dilution Factor: 2

[illegible]

Data Path : H:\AIR2021\CHEM24\05MAY\10\
 Data File : 0510_24.D
 Acq On : 10 May 2021 9:18 pm
 Operator : Keith
 Client ID : SCIA-05 2X
 Lab ID : CI26490 2X
 ALS Vial : 24 Sample Multiplier: 1

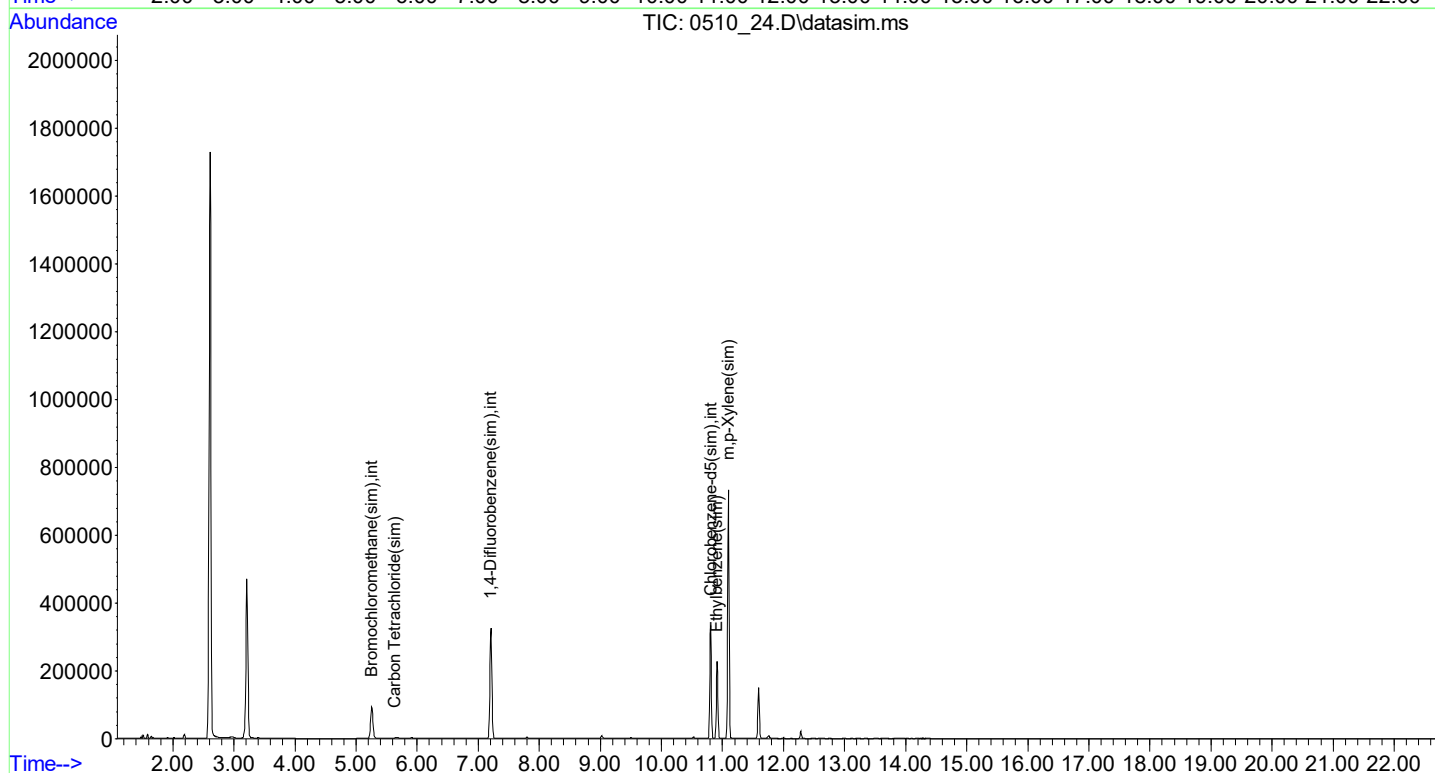
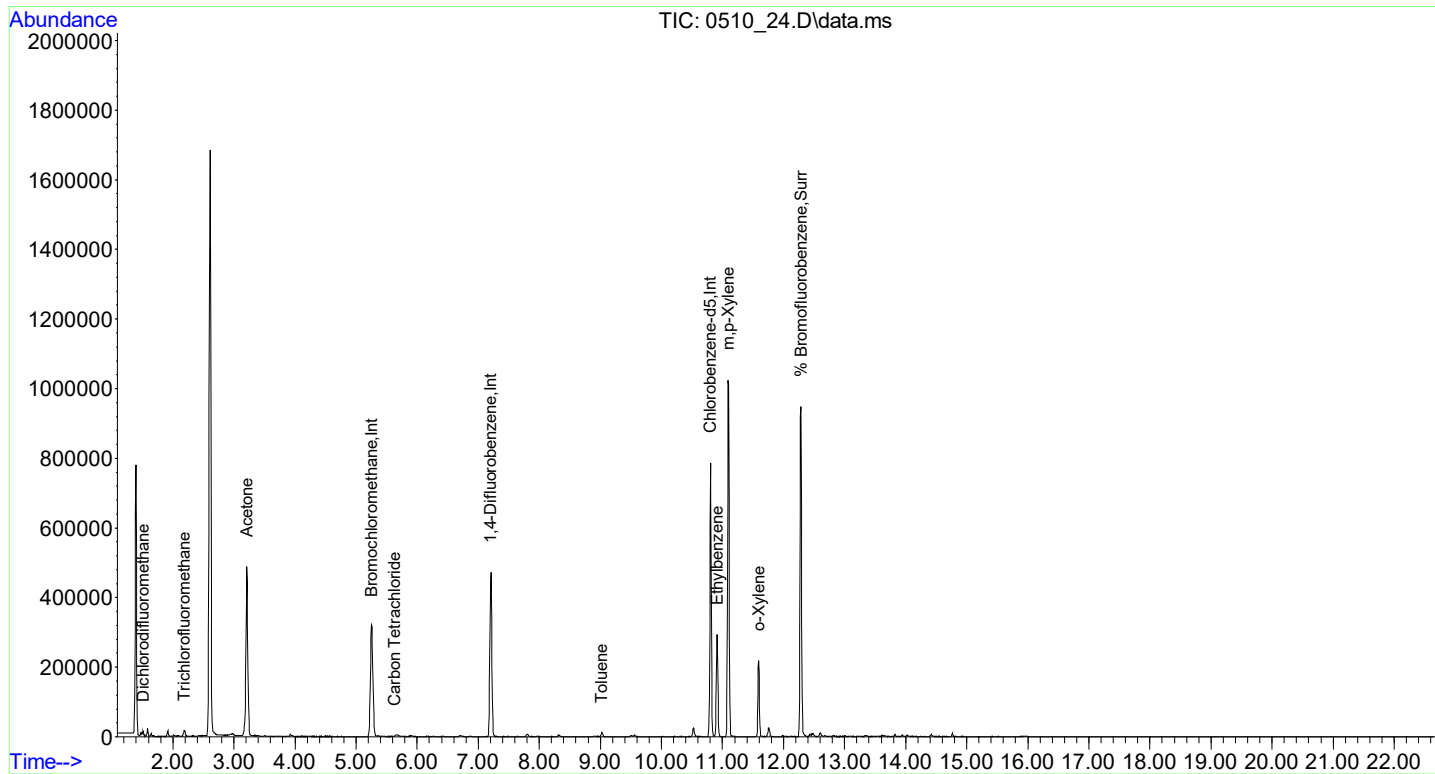
Quant Time: May 11 08:34:57 2021
 Quant Method : H:\AIR2021\CHEM24\METHODS\24AIR_0421.M
 Quant Title : VOA Standards for 5 point calibration
 QLast Update : Thu Apr 22 08:23:13 2021
 Response via : Initial Calibration

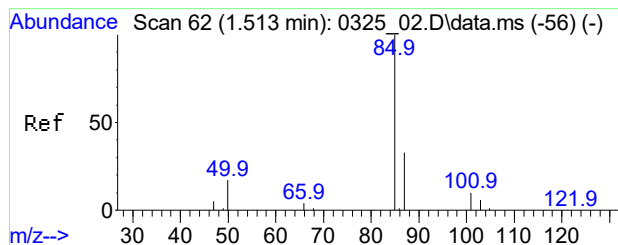
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	5.260	130	120033	10.000	ng	-0.03
36) 1,4-Difluorobenzene	7.206	114	389913	10.000	ng	-0.03
53) Chlorobenzene-d5	10.804	82	201552	10.000	ng	-0.03
80) Bromochloromethane(sim)	5.255	130	128985	10.000	ng	#-0.03
95) 1,4-Difluorobenzene(sim)	7.206	114	389913	10.000	ng	-0.03
105) Chlorobenzene-d5(sim)	10.804	82	201552	10.000	ng	-0.03
System Monitoring Compounds						
62) % Bromofluorobenzene	12.285	95	293558	10.385	ppbv	-0.02
Spiked Amount	10.000	Range	70 - 130	Recovery	= 103.80%	
Target Compounds						
					Qvalue	
3) Dichlorodifluoromethane	1.513	85	6227	0.234	ppbv	100
12) Acetone	3.210	43	705837	22.510	ppbv	97
13) Trichlorofluoromethane	2.184	101	6650	0.212	ppbv	97
34) Carbon Tetrachloride	5.635	117	1308	0.044	ppbv#	84
48) Toluene	9.020	91	8090	0.224	ppbv	93
56) Ethylbenzene	10.914	91	197021	3.951	ppbv	90
57) m,p-Xylene	11.092	91	550251	14.432	ppbv	98
61) o-Xylene	11.593	91	121097	2.934	ppbv	98
87] Carbon Tetrachloride(sim)	5.635	117	881	0.027	ppbv#	66
108] Ethylbenzene(sim)	10.910	91	223237	3.807	ppb	98
109] m,p-Xylene(sim)	11.092	91	550356	13.932	ppbv	98

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

Data Path : H:\AIR2021\CHEM24\05MAY\10\
Data File : 0510_24.D
Acq On : 10 May 2021 9:18 pm
Operator : Keith
Client ID : SCIA-05 2X
Lab ID : CI26490 2X
ALS Vial : 24 Sample Multiplier: 1

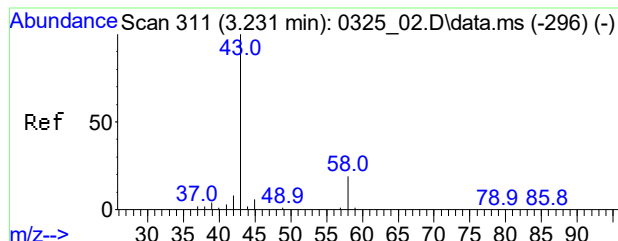
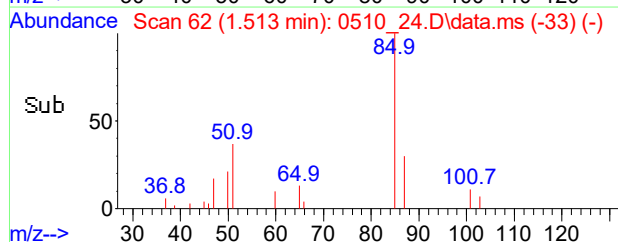
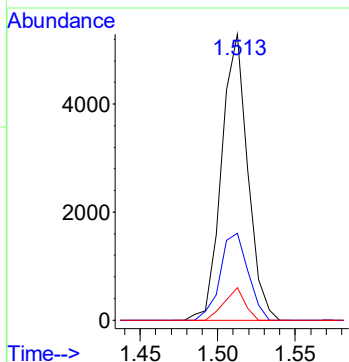
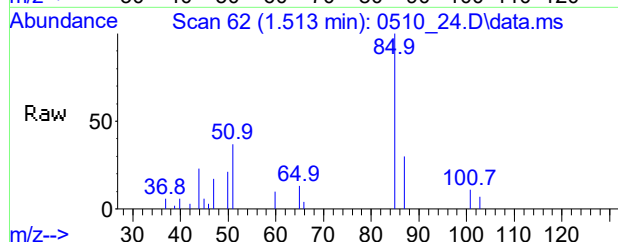
Quant Time: May 11 08:34:57 2021
Quant Method : H:\AIR2021\CHEM24\METHODS\24AIR_0421.M
Quant Title : VOA Standards for 5 point calibration
QLast Update : Thu Apr 22 08:23:13 2021
Response via : Initial Calibration





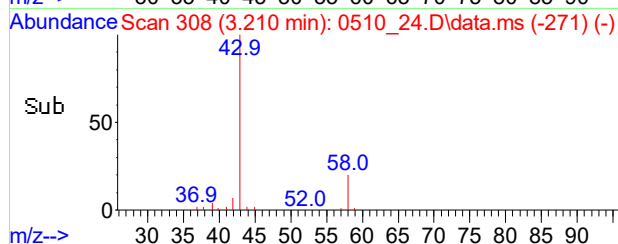
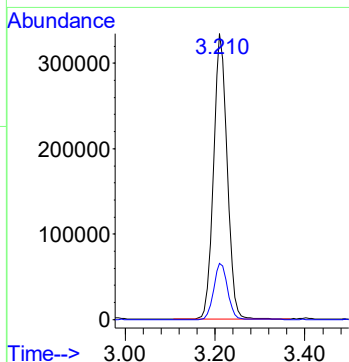
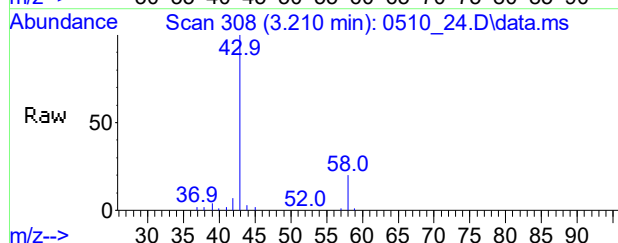
#3
Dichlorodifluoromethane
Conc: 8\$ 0.234 ppbv
RT: 1.513 min Scan# 62
Delta R.T. -0.000 min
Lab File: 0510_24.D
Acq: 10 May 2021 9:18 pm

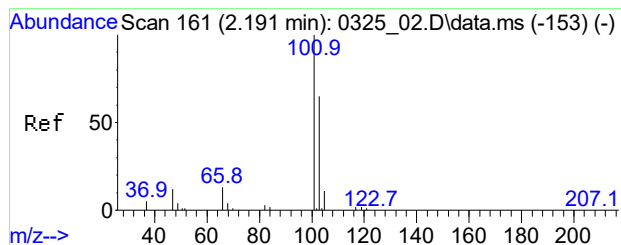
Tgt Ion: 85 Resp: 6227
Ion Ratio Lower Upper
85 100
87 32.5 25.8 38.8
101 9.0 7.3 10.9



#12
Acetone
Conc: 8\$ 22.510 ppbv
RT: 3.210 min Scan# 308
Delta R.T. -0.048 min
Lab File: 0510_24.D
Acq: 10 May 2021 9:18 pm

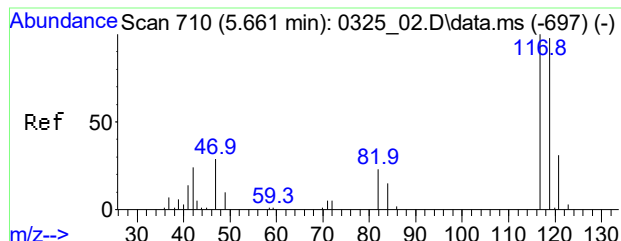
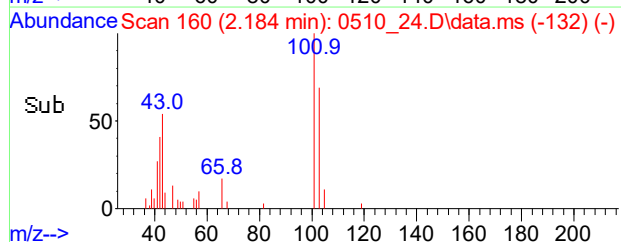
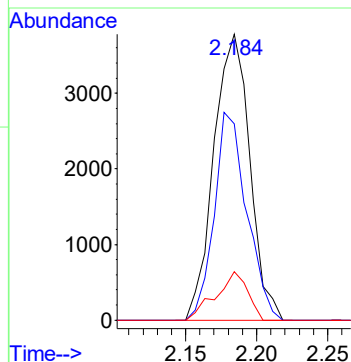
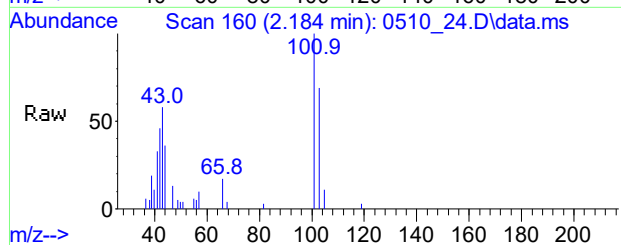
Tgt Ion: 43 Resp: 705837
Ion Ratio Lower Upper
43 100
58 19.9 15.0 22.4





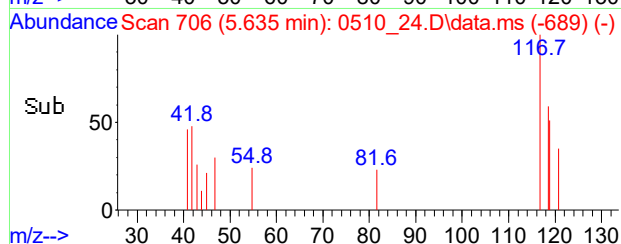
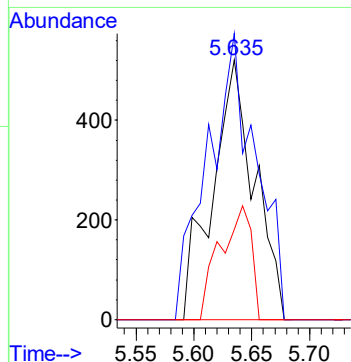
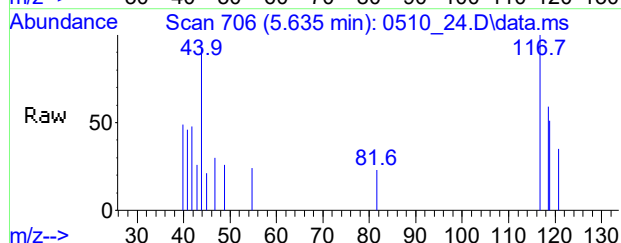
#13
Trichlorofluoromethane
Conc: 8\$ 0.212 ppbv
RT: 2.184 min Scan# 160
Delta R.T. -0.007 min
Lab File: 0510_24.D
Acq: 10 May 2021 9:18 pm

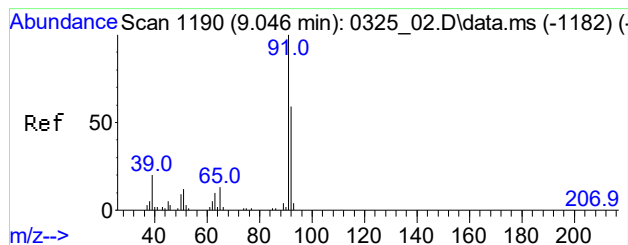
Tgt Ion: 101 Resp: 6650
Ion Ratio Lower Upper
101 100
103 65.6 54.6 82.0
66 15.0 12.2 18.4



#34
Carbon Tetrachloride
Conc: 8\$ Below Cal
RT: 5.635 min Scan# 706
Delta R.T. -0.026 min
Lab File: 0510_24.D
Acq: 10 May 2021 9:18 pm

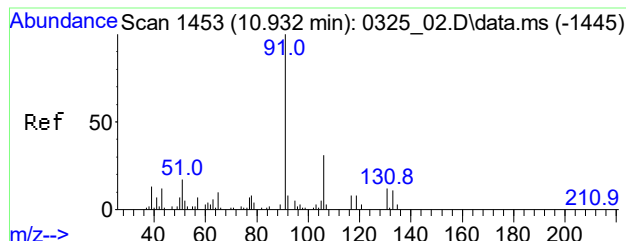
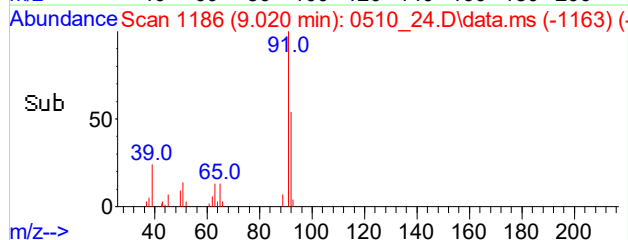
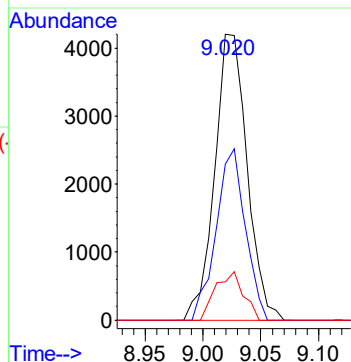
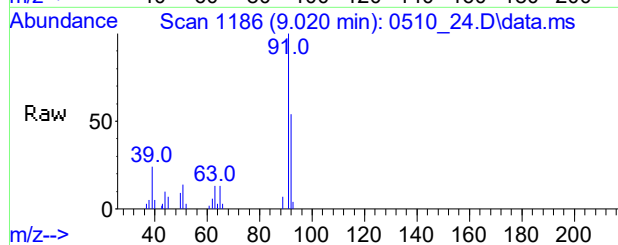
Tgt Ion: 117 Resp: 1308
Ion Ratio Lower Upper
117 100
119 125.7 85.1 125.1#
121 32.6 11.0 51.0





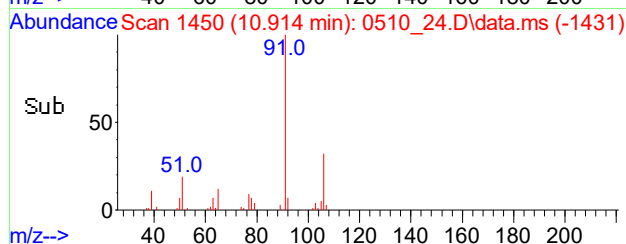
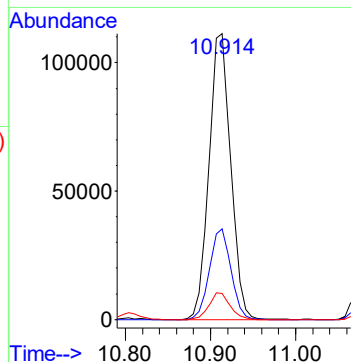
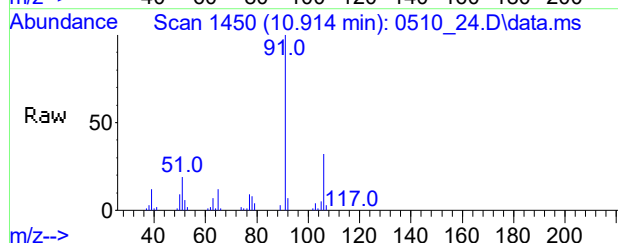
#48
Toluene
Conc: 8\$ 0.224 ppbv
RT: 9.020 min Scan# 1186
Delta R.T. -0.033 min
Lab File: 0510_24.D
Acq: 10 May 2021 9:18 pm

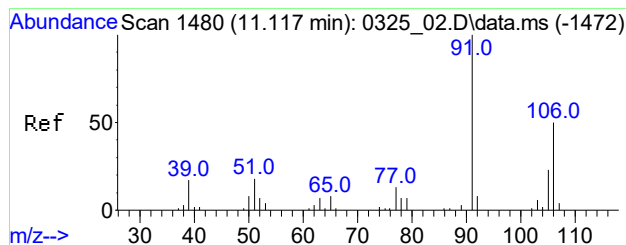
Tgt Ion: 91 Resp: 8090
Ion Ratio Lower Upper
91 100
92 53.9 47.4 71.2
65 14.5 10.2 15.4



#56
Ethylbenzene
Conc: 8\$ 3.951 ppbv
RT: 10.914 min Scan# 1450
Delta R.T. -0.018 min
Lab File: 0510_24.D
Acq: 10 May 2021 9:18 pm

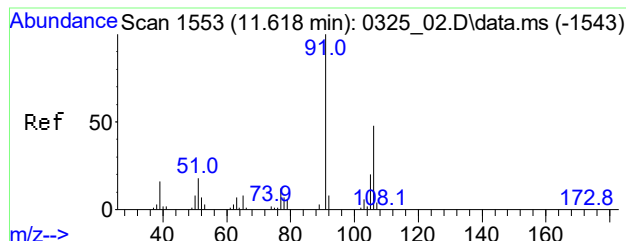
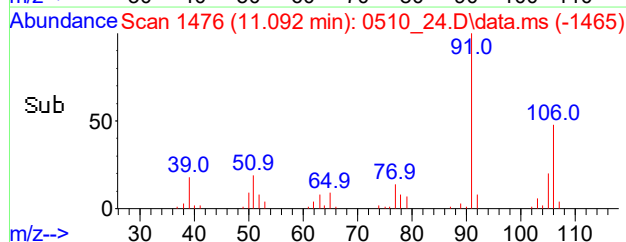
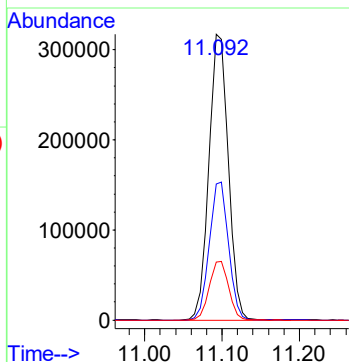
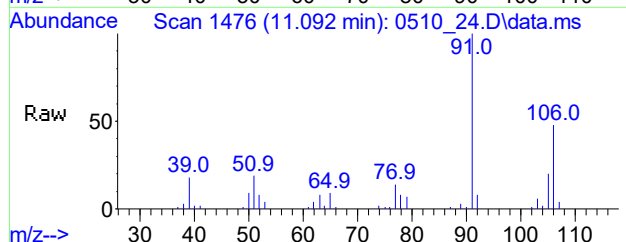
Tgt Ion: 91 Resp: 197021
Ion Ratio Lower Upper
91 100
106 31.4 17.7 57.7
77 9.0 0.0 32.7





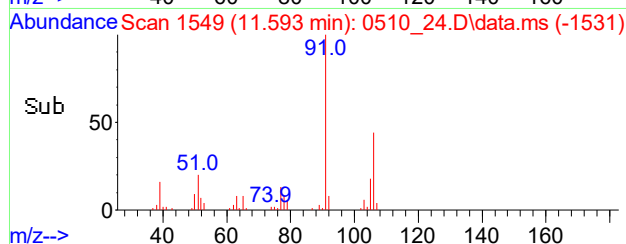
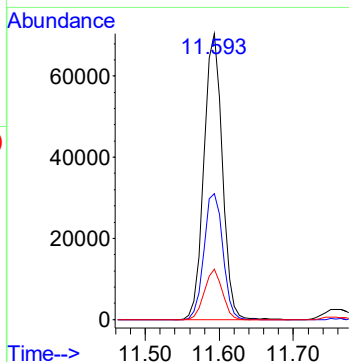
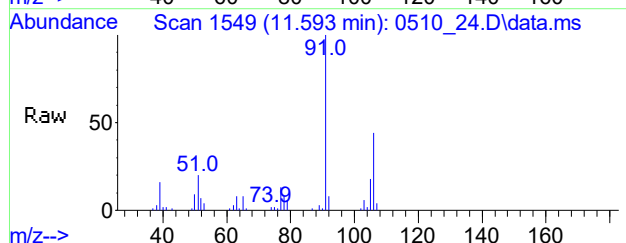
#57
m,p-Xylene
Conc: 8\$ 14.432 ppbv
RT: 11.092 min Scan# 1476
Delta R.T. -0.025 min
Lab File: 0510_24.D
Acq: 10 May 2021 9:18 pm

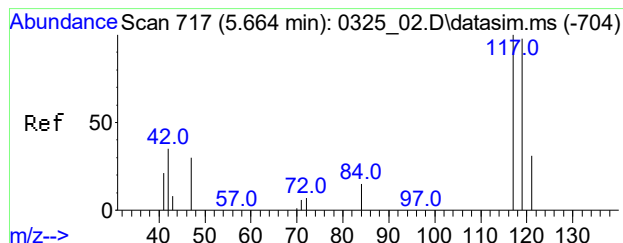
Tgt Ion	Ratio	Lower	Upper
91	100		
106	47.8	39.4	59.2
105	20.6	16.8	25.2



#61
o-Xylene
Conc: 8\$ 2.934 ppbv
RT: 11.593 min Scan# 1549
Delta R.T. -0.025 min
Lab File: 0510_24.D
Acq: 10 May 2021 9:18 pm

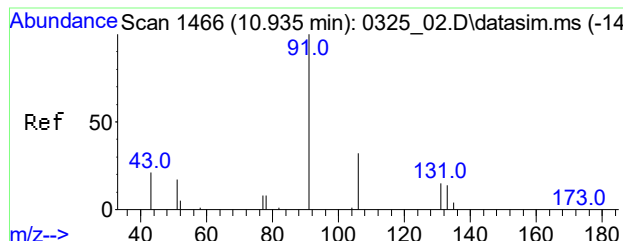
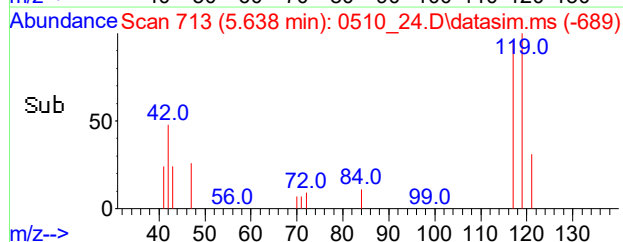
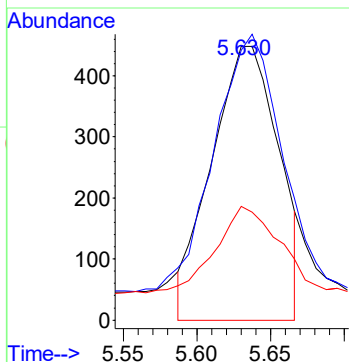
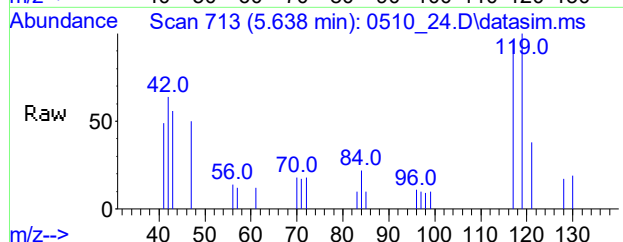
Tgt Ion	Ratio	Lower	Upper
91	100		
106	45.2	37.5	56.3
105	17.1	13.5	20.3





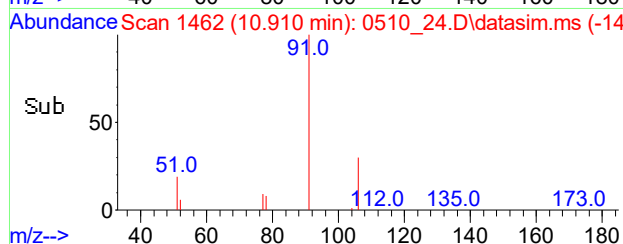
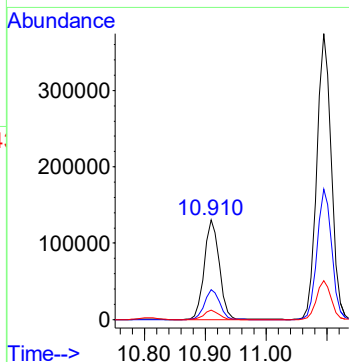
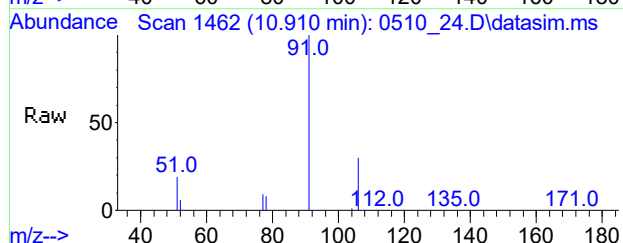
#87
Carbon Tetrachloride(sim)
Conc: 8\$ 0.027 ppbv
RT: 5.635 min Scan# 713
Delta R.T. -0.026 min
Lab File: 0510_24.D
Acq: 10 May 2021 9:18 pm

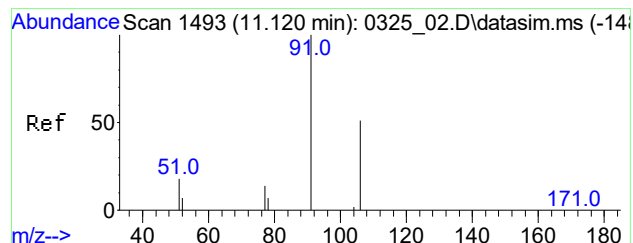
Tgt Ion	Ratio	Lower	Upper
117	100		
119	70.8	84.7	127.1#
121	43.2	21.1	31.7#



#108
Ethylbenzene(sim)
Conc: 8\$ 3.807 ppb
RT: 10.910 min Scan# 1462
Delta R.T. -0.025 min
Lab File: 0510_24.D
Acq: 10 May 2021 9:18 pm

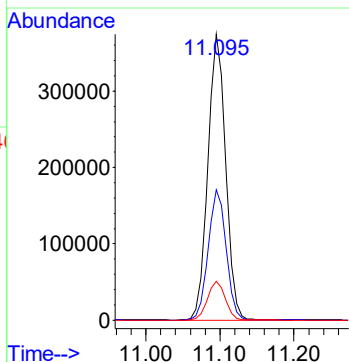
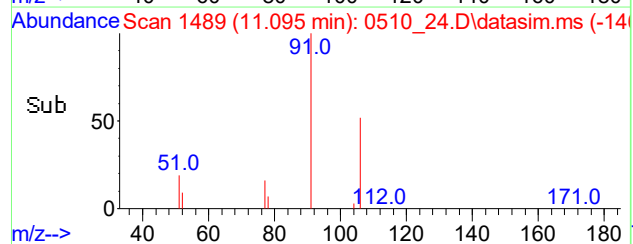
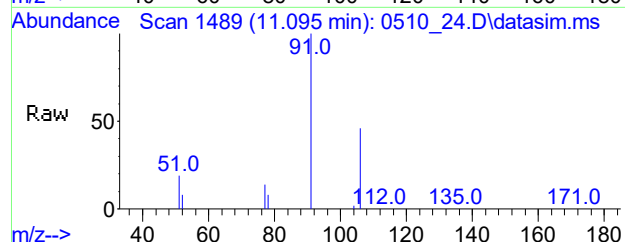
Tgt Ion	Ratio	Lower	Upper
91	100		
106	30.0	24.8	37.2
77	9.1	7.5	11.3





#109
 m,p-Xylene(sim)
 Conc: 8\$ 13.932 ppbv
 RT: 11.092 min Scan# 1489
 Delta R.T. -0.025 min
 Lab File: 0510_24.D
 Acq: 10 May 2021 9:18 pm

Tgt Ion	Ratio	Lower	Upper
91	100		
106	47.8	44.4	54.2
77	13.4	11.7	17.5



Client:	WALDENE-IPARK	Lab:	Phoenix Env. Labs
SDG No.:	GCI26486	Lab Sample ID:	CI26491
Canister:	461	Lab File ID:	0507_24.D
Instrument:	CHEM24	Column:	RTX-VMS
Purge Volume	200 (cc)	Date Received:	05/07/21
		Date Analyzed:	05/08/21
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:\AIR2021\CHEM24\05MAY\07\
 Data File : 0507_24.D
 Acq On : 8 May 2021 5:43 am
 Operator : Keith
 Client ID : SCIA-06
 Lab ID : CI26491
 ALS Vial : 23 Sample Multiplier: 1

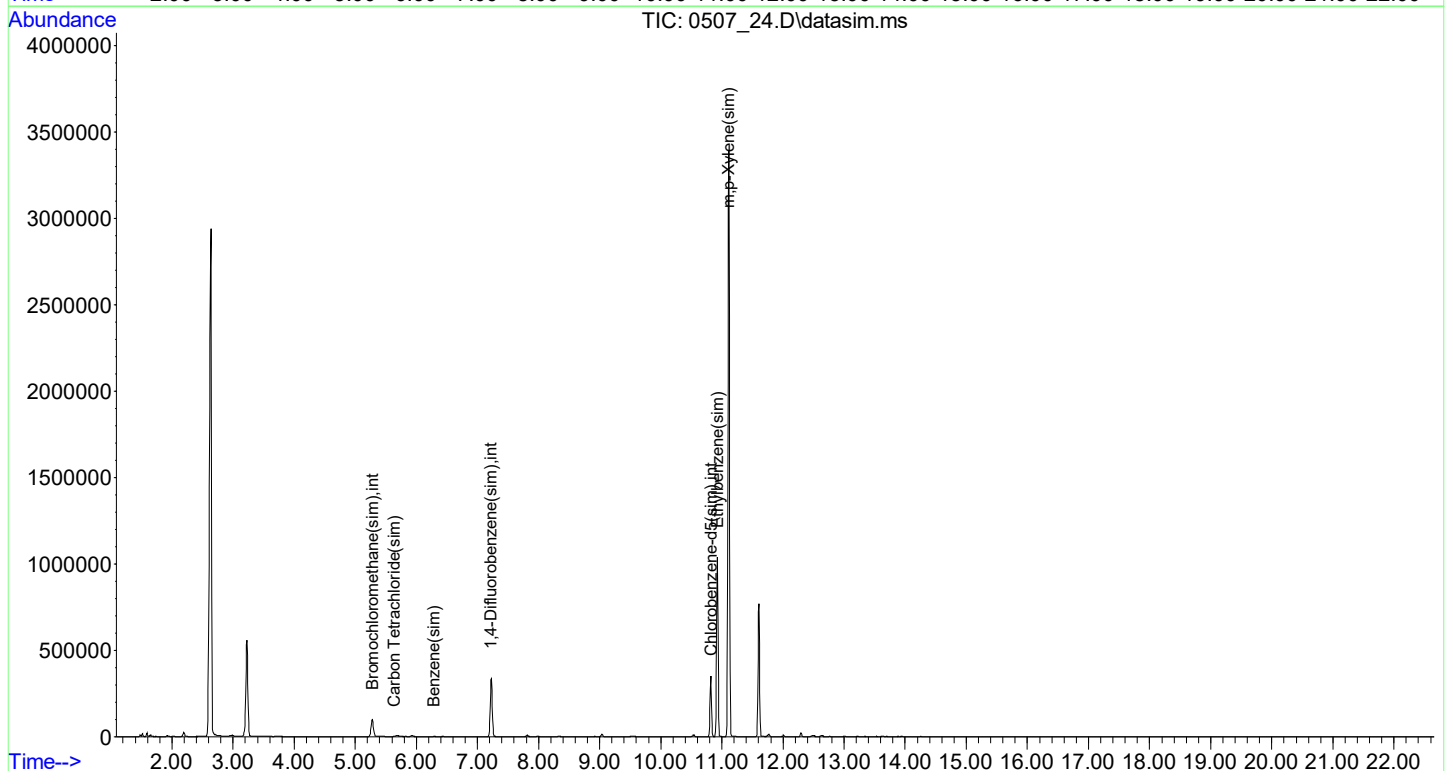
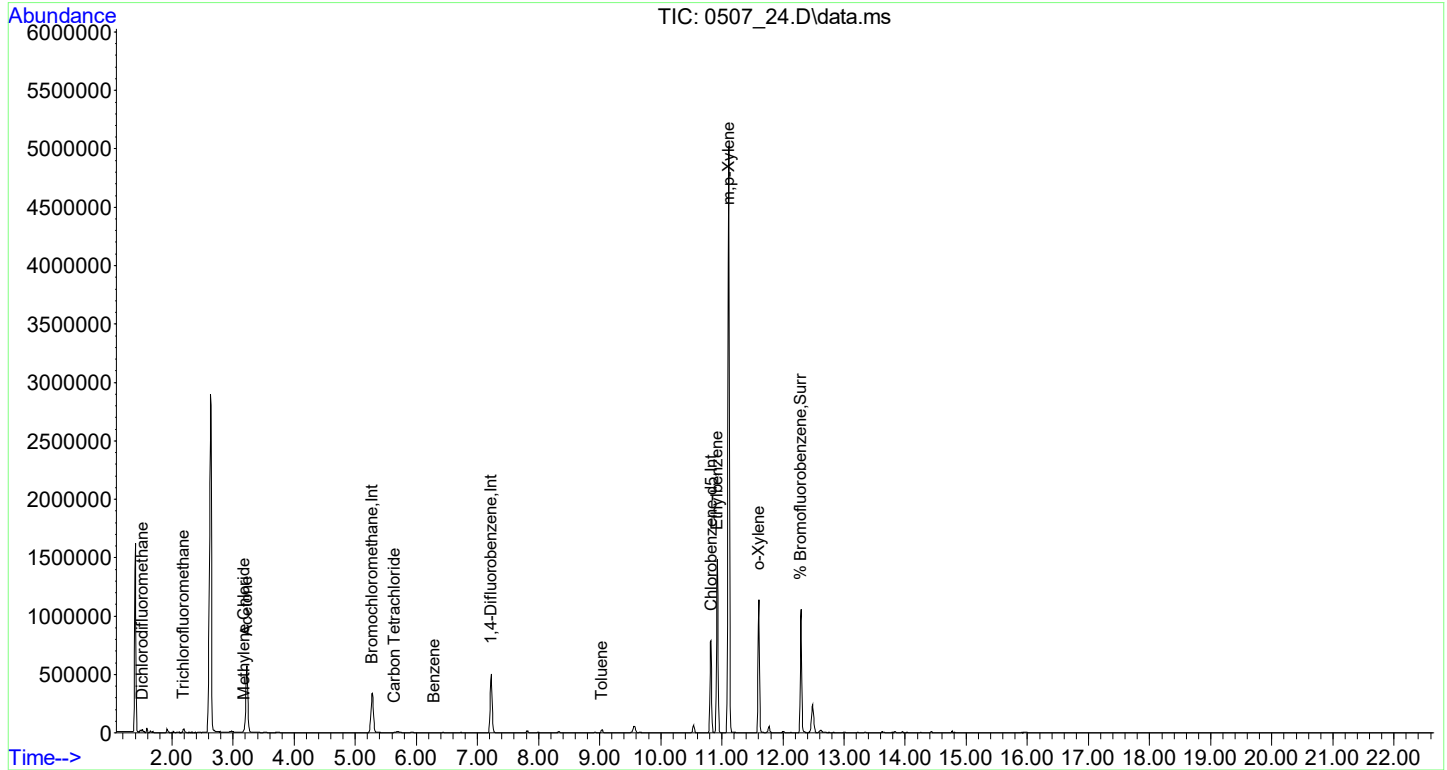
Quant Time: May 08 14:52:48 2021
 Quant Method : H:\AIR2021\CHEM24\METHODS\24AIR_0421.M
 Quant Title : VOA Standards for 5 point calibration
 QLast Update : Thu Apr 22 08:23:13 2021
 Response via : Initial Calibration

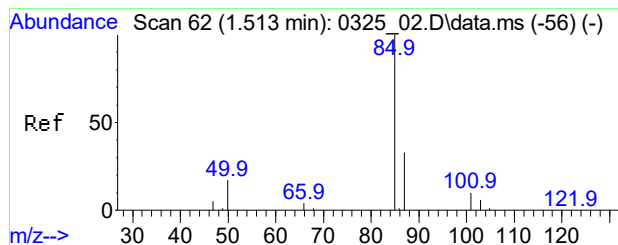
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	5.279	130	128984	10.000	ng	-0.01
36) 1,4-Difluorobenzene	7.225	114	402104	10.000	ng	-0.01
53) Chlorobenzene-d5	10.822	82	213227	10.000	ng	0.00
80) Bromochloromethane(sim)	5.282	130	133487	10.000	ng	# 0.00
95) 1,4-Difluorobenzene(sim)	7.225	114	402104	10.000	ng	-0.01
105) Chlorobenzene-d5(sim)	10.822	82	213227	10.000	ng	0.00
System Monitoring Compounds						
62) % Bromofluorobenzene	12.296	95	312386	10.446	ppbv	0.00
Spiked Amount	10.000	Range	70 - 130	Recovery	=	104.50%
Target Compounds						
					Qvalue	
3) Dichlorodifluoromethane	1.513	85	11314	0.395	ppbv	94
12) Acetone	3.224	43	811712	24.090	ppbv	97
13) Trichlorofluoromethane	2.191	101	13492	0.400	ppbv	92
17) Methylene Chloride	3.183	49	10089	0.440	ppbv#	86
33) Benzene	6.286	78	1883	0.061	ppbv#	90
34) Carbon Tetrachloride	5.640	117	2606	0.081	ppbv	100
48) Toluene	9.039	91	16234	0.436	ppbv#	97
56) Ethylbenzene	10.925	91	946353	17.937	ppbv	90
57) m,p-Xylene	11.110	91	2637168	65.381	ppbv	98
61) o-Xylene	11.604	91	589593	13.502	ppbv	99
86] Benzene(sim)	6.296	78	1930	0.052	ppbv#	90
87] Carbon Tetrachloride(sim)	5.640	117	2359	0.071	ppbv	97
108] Ethylbenzene(sim)	10.928	91	1061893	17.116	ppb	99
109] m,p-Xylene(sim)	11.110	91	2638890	63.142	ppbv	97

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

Data Path : H:\AIR2021\CHEM24\05MAY\07\
Data File : 0507_24.D
Acq On : 8 May 2021 5:43 am
Operator : Keith
Client ID : SCIA-06
Lab ID : CI26491
ALS Vial : 23 Sample Multiplier: 1

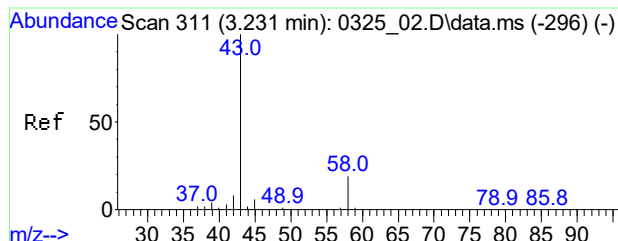
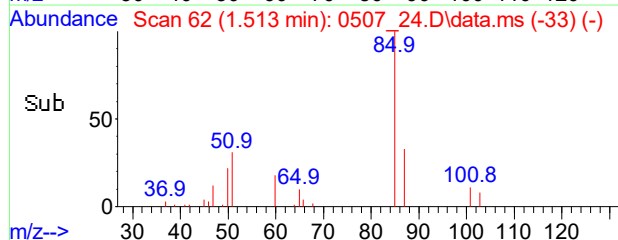
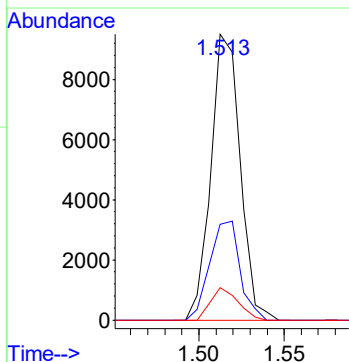
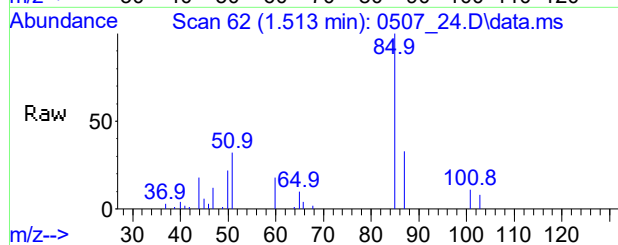
Quant Time: May 08 14:52:48 2021
Quant Method : H:\AIR2021\CHEM24\METHODS\24AIR_0421.M
Quant Title : VOA Standards for 5 point calibration
QLast Update : Thu Apr 22 08:23:13 2021
Response via : Initial Calibration





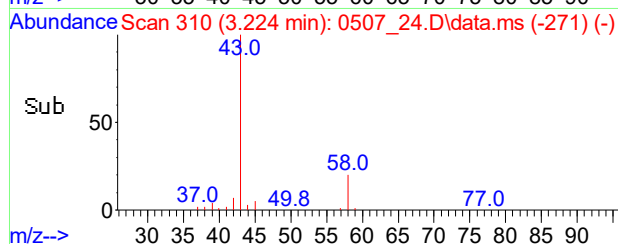
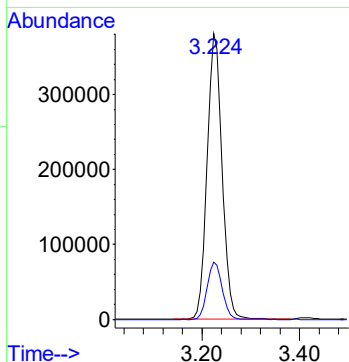
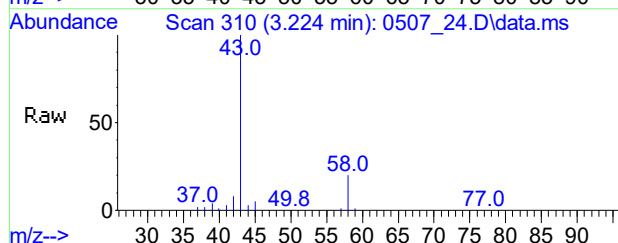
#3
Dichlorodifluoromethane
Conc: 8% 0.395 ppbv
RT: 1.513 min Scan# 62
Delta R.T. -0.000 min
Lab File: 0507_24.D
Acq: 8 May 2021 5:43 am

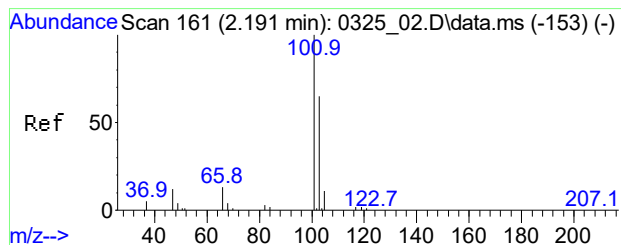
Tgt Ion: 85 Resp: 11314
Ion Ratio Lower Upper
85 100
87 35.8 25.8 38.8
101 10.6 7.3 10.9



#12
Acetone
Conc: 8% 24.090 ppbv
RT: 3.224 min Scan# 310
Delta R.T. -0.034 min
Lab File: 0507_24.D
Acq: 8 May 2021 5:43 am

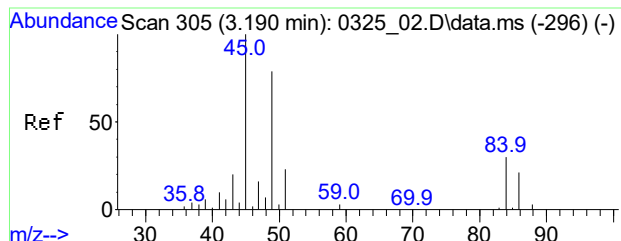
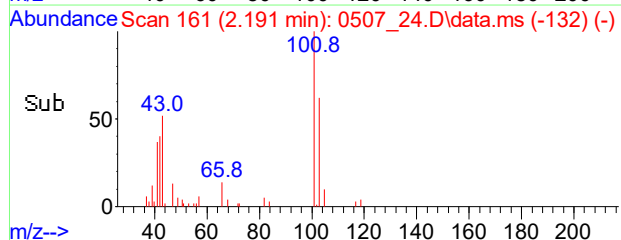
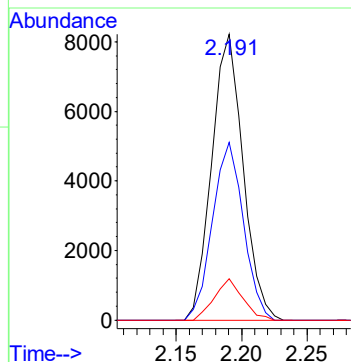
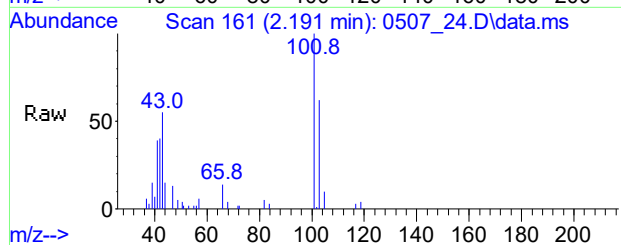
Tgt Ion: 43 Resp: 811712
Ion Ratio Lower Upper
43 100
58 20.2 15.0 22.4





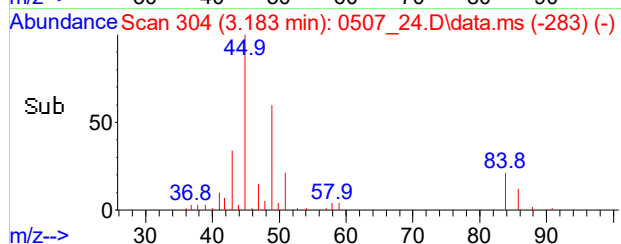
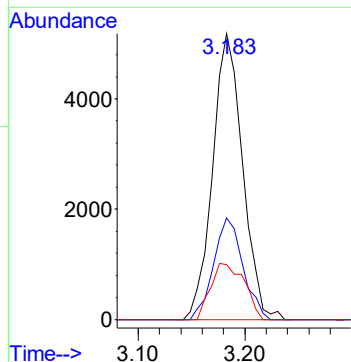
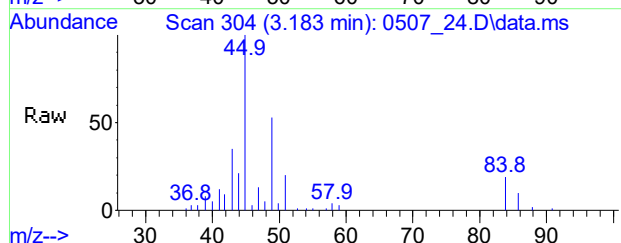
#13
Trichlorofluoromethane
Conc: 8\$ 0.400 ppbv
RT: 2.191 min Scan# 161
Delta R.T. -0.000 min
Lab File: 0507_24.D
Acq: 8 May 2021 5:43 am

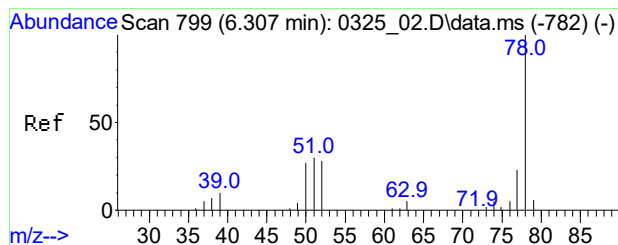
Tgt Ion	Ratio	Lower	Upper
101	100		
103	61.3	54.6	82.0
66	13.1	12.2	18.4



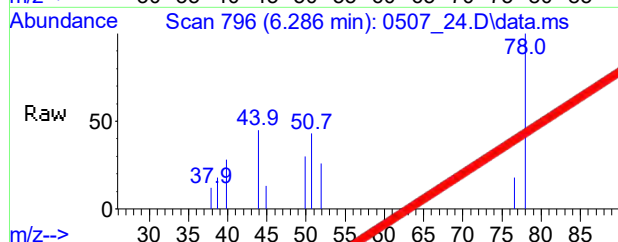
#17
Methylene Chloride
Conc: 8\$ 0.440 ppbv
RT: 3.183 min Scan# 304
Delta R.T. -0.007 min
Lab File: 0507_24.D
Acq: 8 May 2021 5:43 am

Tgt Ion	Ratio	Lower	Upper
49	100		
84	34.8	36.2	54.2#
86	22.0	22.3	33.5#

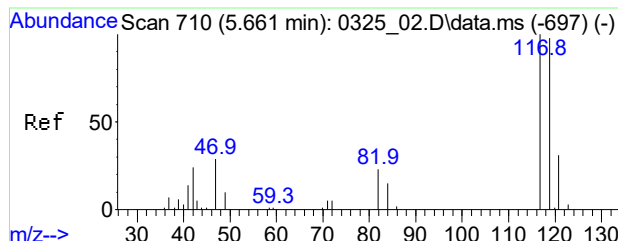
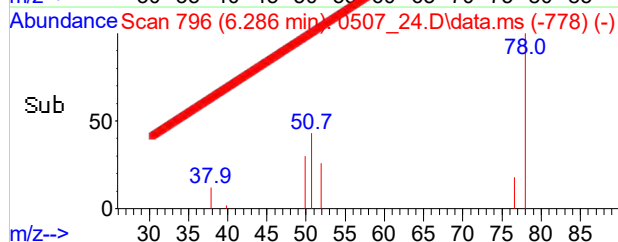
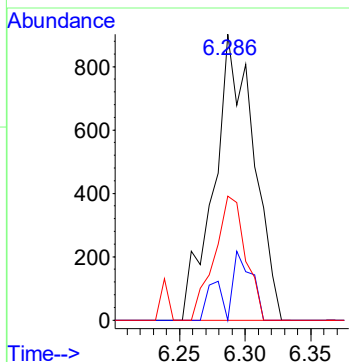




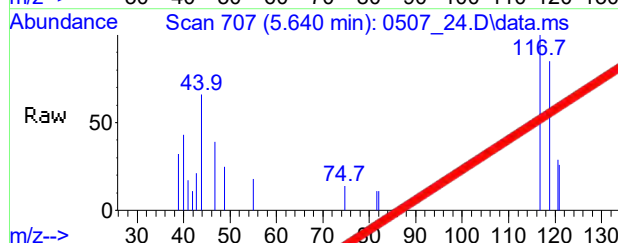
#33
Benzene
Conc: 8% Below Cal
RT: 6.286 min Scan# 796
Delta R.T. -0.028 min
Lab File: 0507_24.D
Acq: 8 May 2021 5:43 am



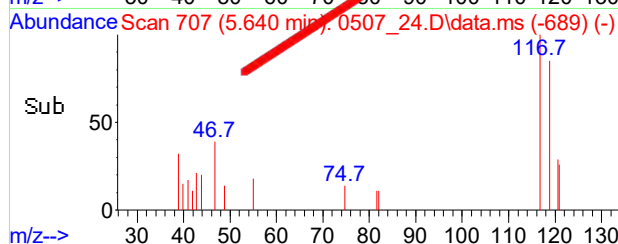
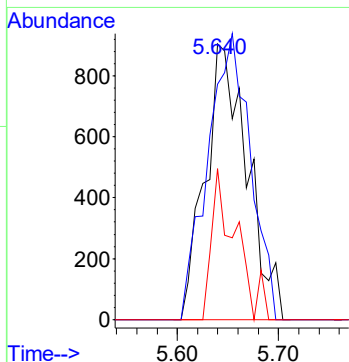
Tgt Ion: 78 Resp: 1883
Ion Ratio Lower Upper
78 100
77 16.3 19.1 28.7#
51 34.1 30.3 45.5

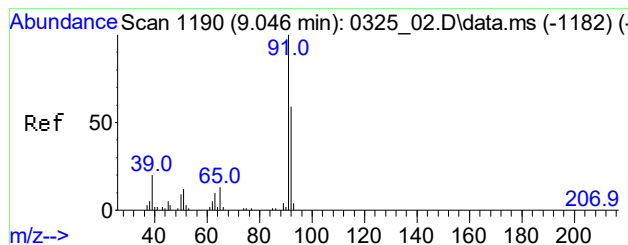


#34
Carbon Tetrachloride
Conc: 8% Below Cal
RT: 5.640 min Scan# 707
Delta R.T. -0.021 min
Lab File: 0507_24.D
Acq: 8 May 2021 5:43 am



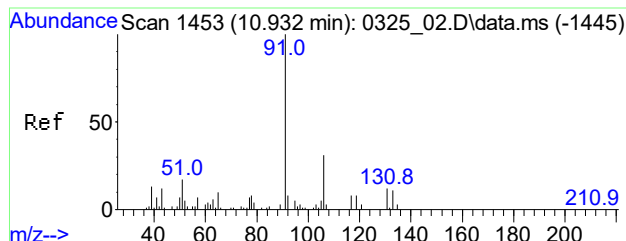
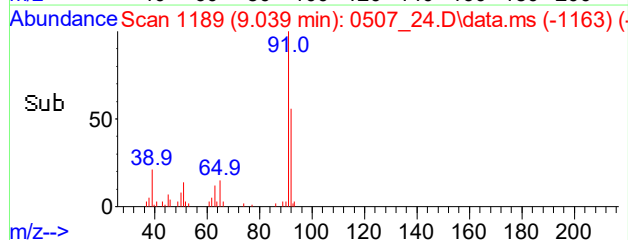
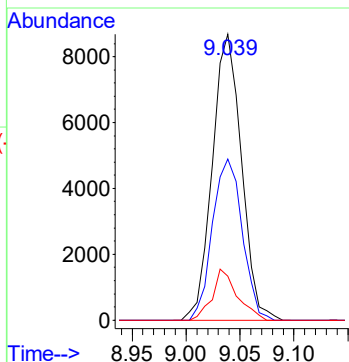
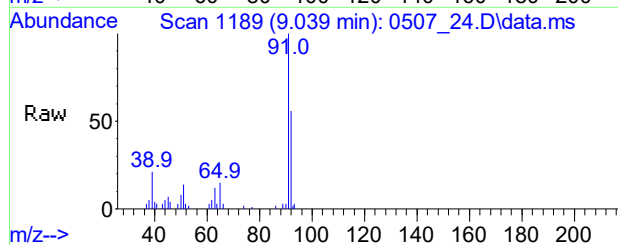
Tgt Ion: 117 Resp: 2606
Ion Ratio Lower Upper
117 100
119 104.9 85.1 125.1
121 31.7 11.0 51.0





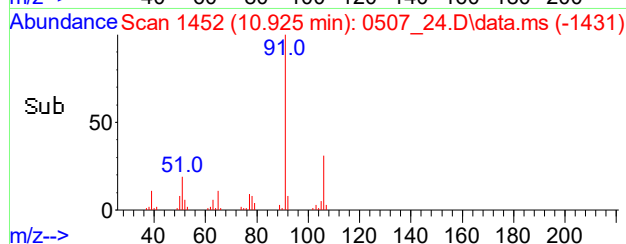
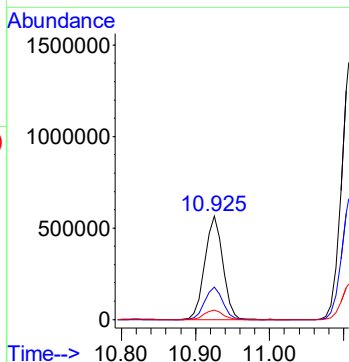
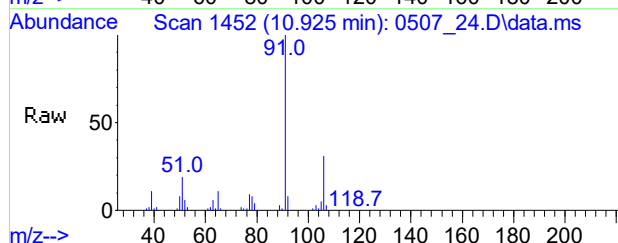
#48
Toluene
Conc: 8\$ 0.436 ppbv
RT: 9.039 min Scan# 1189
Delta R.T. -0.014 min
Lab File: 0507_24.D
Acq: 8 May 2021 5:43 am

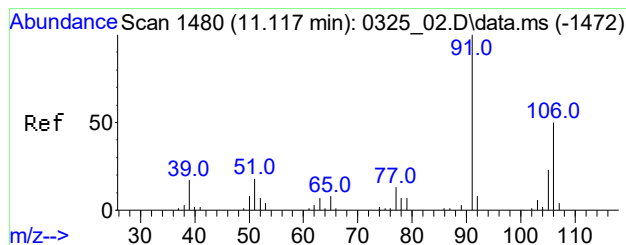
Tgt Ion: 91 Resp: 16234
Ion Ratio Lower Upper
91 100
92 57.7 47.4 71.2
65 15.4 10.2 15.4#



#56
Ethylbenzene
Conc: 8\$ 17.937 ppbv
RT: 10.925 min Scan# 1452
Delta R.T. -0.007 min
Lab File: 0507_24.D
Acq: 8 May 2021 5:43 am

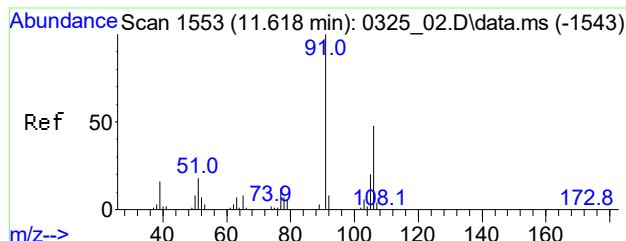
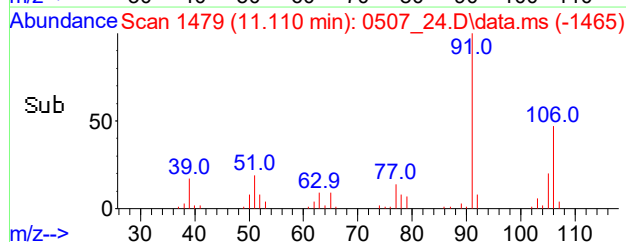
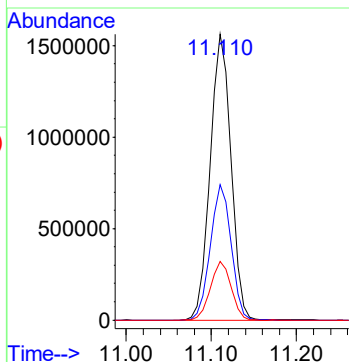
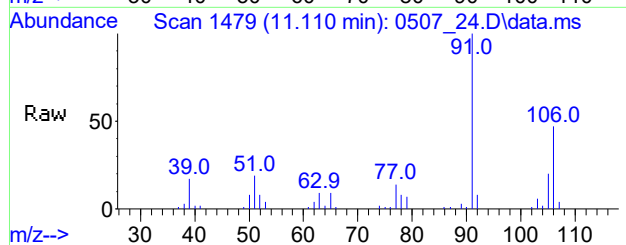
Tgt Ion: 91 Resp: 946353
Ion Ratio Lower Upper
91 100
106 31.4 17.7 57.7
77 9.2 0.0 32.7





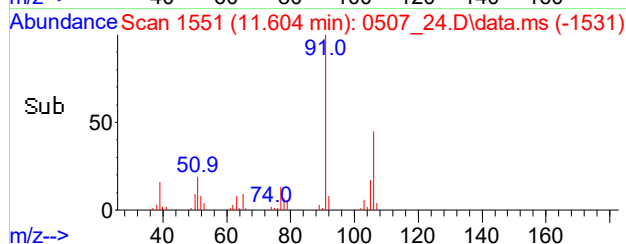
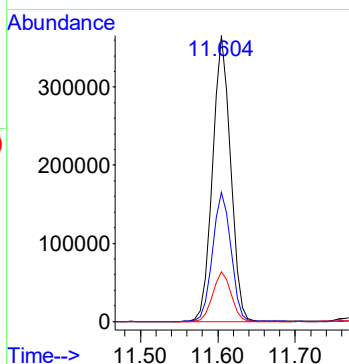
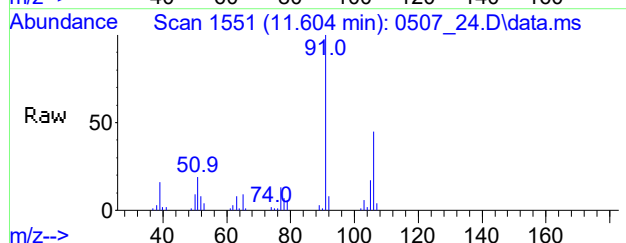
#57
m,p-Xylene
Conc: 8\$ 65.381 ppbv
RT: 11.110 min Scan# 1479
Delta R.T. -0.007 min
Lab File: 0507_24.D
Acq: 8 May 2021 5:43 am

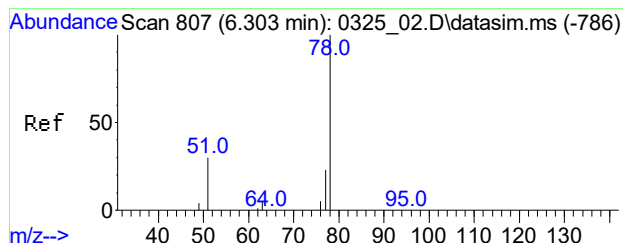
Tgt Ion: 91 Resp: 2637168
Ion Ratio Lower Upper
91 100
106 47.3 39.4 59.2
105 20.5 16.8 25.2



#61
o-Xylene
Conc: 8\$ 13.502 ppbv
RT: 11.604 min Scan# 1551
Delta R.T. -0.014 min
Lab File: 0507_24.D
Acq: 8 May 2021 5:43 am

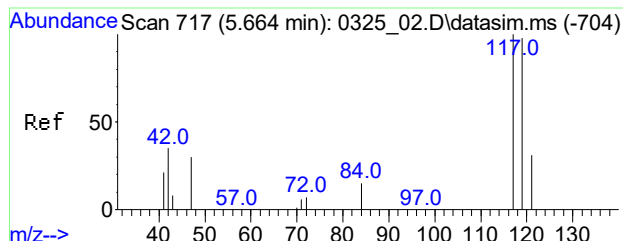
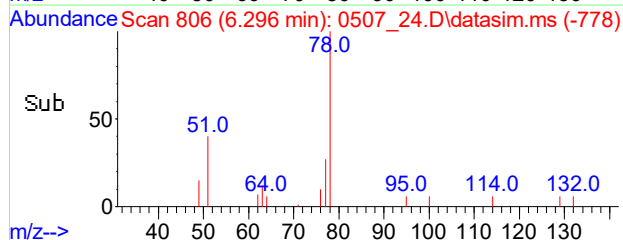
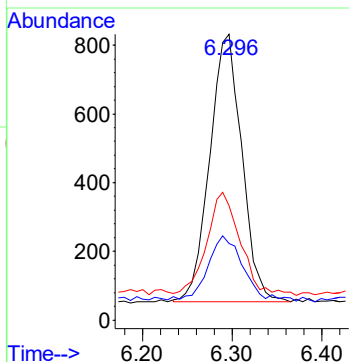
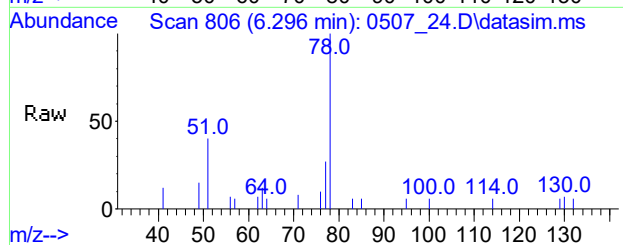
Tgt Ion: 91 Resp: 589593
Ion Ratio Lower Upper
91 100
106 46.1 37.5 56.3
105 17.7 13.5 20.3





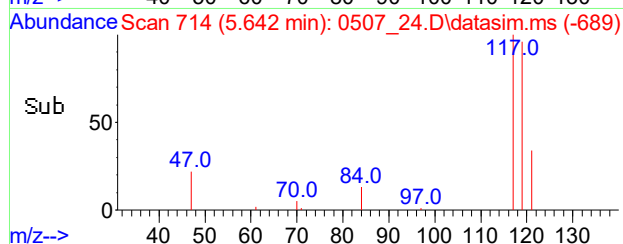
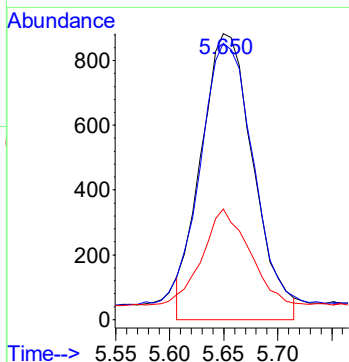
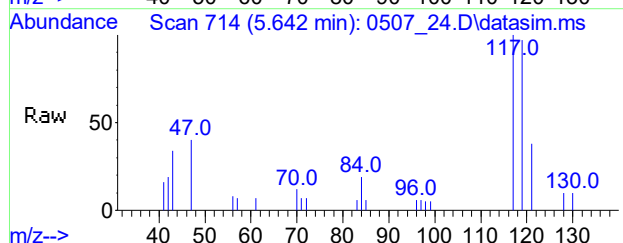
#86
Benzene(sim)
Conc: 8\$ 0.052 ppbv
RT: 6.296 min Scan# 806
Delta R.T. -0.007 min
Lab File: 0507_24.D
Acq: 8 May 2021 5:43 am

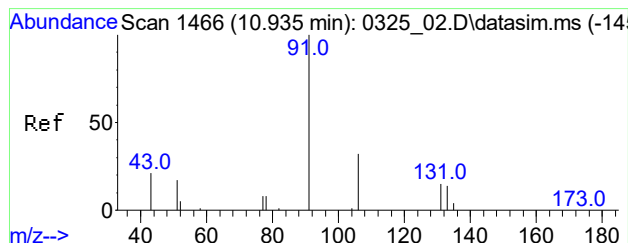
Tgt Ion: 78 Resp: 1930
Ion Ratio Lower Upper
78 100
77 24.0 18.6 28.0
51 40.5 25.4 38.2#



#87
Carbon Tetrachloride(sim)
Conc: 8\$ 0.071 ppbv
RT: 5.640 min Scan# 714
Delta R.T. -0.021 min
Lab File: 0507_24.D
Acq: 8 May 2021 5:43 am

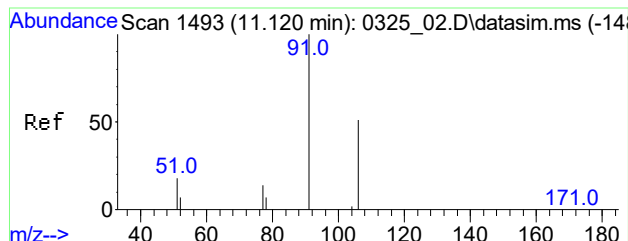
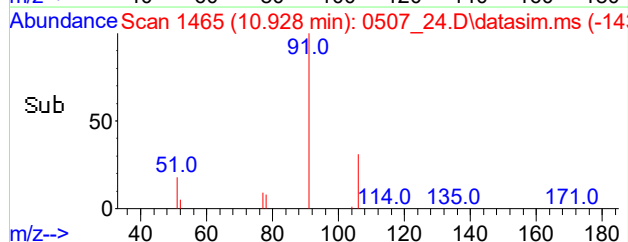
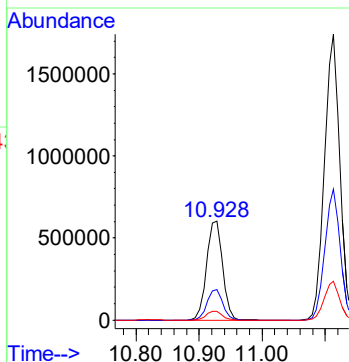
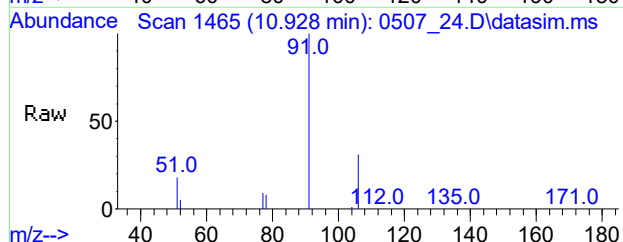
Tgt Ion: 117 Resp: 2359
Ion Ratio Lower Upper
117 100
119 109.6 84.7 127.1
121 26.3 21.1 31.7





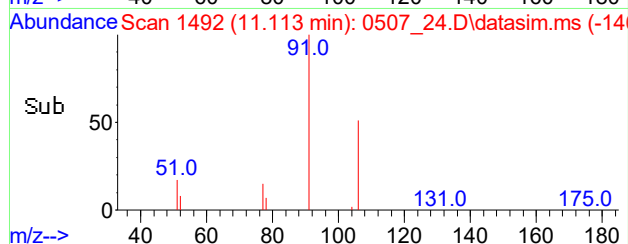
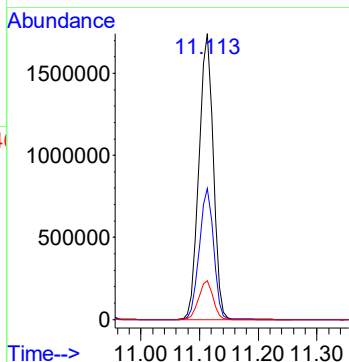
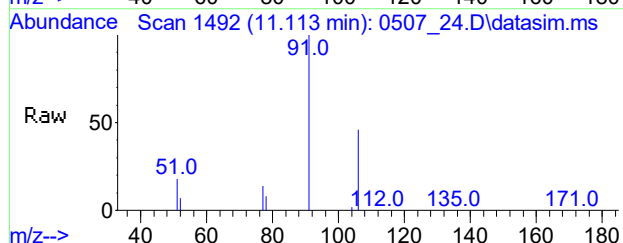
#108
Ethylbenzene(sim)
Conc: 8\$ 17.116 ppb
RT: 10.928 min Scan# 1465
Delta R.T. -0.007 min
Lab File: 0507_24.D
Acq: 8 May 2021 5:43 am

Tgt Ion: 91 Resp: 1061893
Ion Ratio Lower Upper
91 100
106 30.1 24.8 37.2
77 9.1 7.5 11.3



#109
m,p-Xylene(sim)
Conc: 8\$ 63.142 ppbv
RT: 11.110 min Scan# 1492
Delta R.T. -0.007 min
Lab File: 0507_24.D
Acq: 8 May 2021 5:43 am

Tgt Ion: 91 Resp: 2638890
Ion Ratio Lower Upper
91 100
106 47.3 44.4 54.2
77 13.7 11.7 17.5



Client:	WALDENE-IPARK	Lab:	Phoenix Env. Labs
SDG No.:	GCI26486	Lab Sample ID:	CI26492
Canister:	12872	Lab File ID:	0507_25.D
Instrument:	CHEM24	Column:	RTX-VMS
		Date Received:	05/07/21
Purge Volume	200 (cc)	Date Analyzed:	05/08/21
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:\AIR2021\CHEM24\05MAY\07\
 Data File : 0507_25.D
 Acq On : 8 May 2021 6:24 am
 Operator : Keith
 Client ID : SCIA-07
 Lab ID : CI26492
 ALS Vial : 24 Sample Multiplier: 1

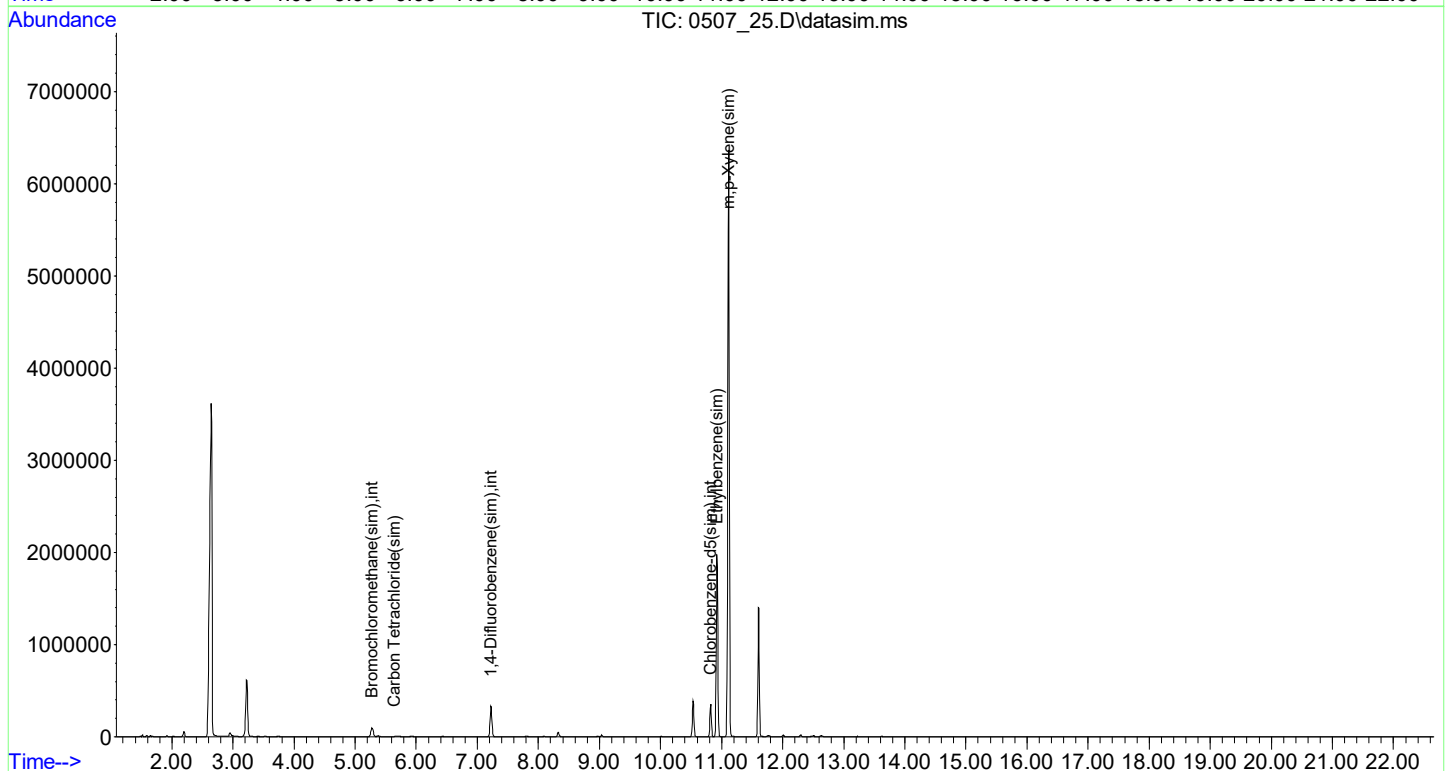
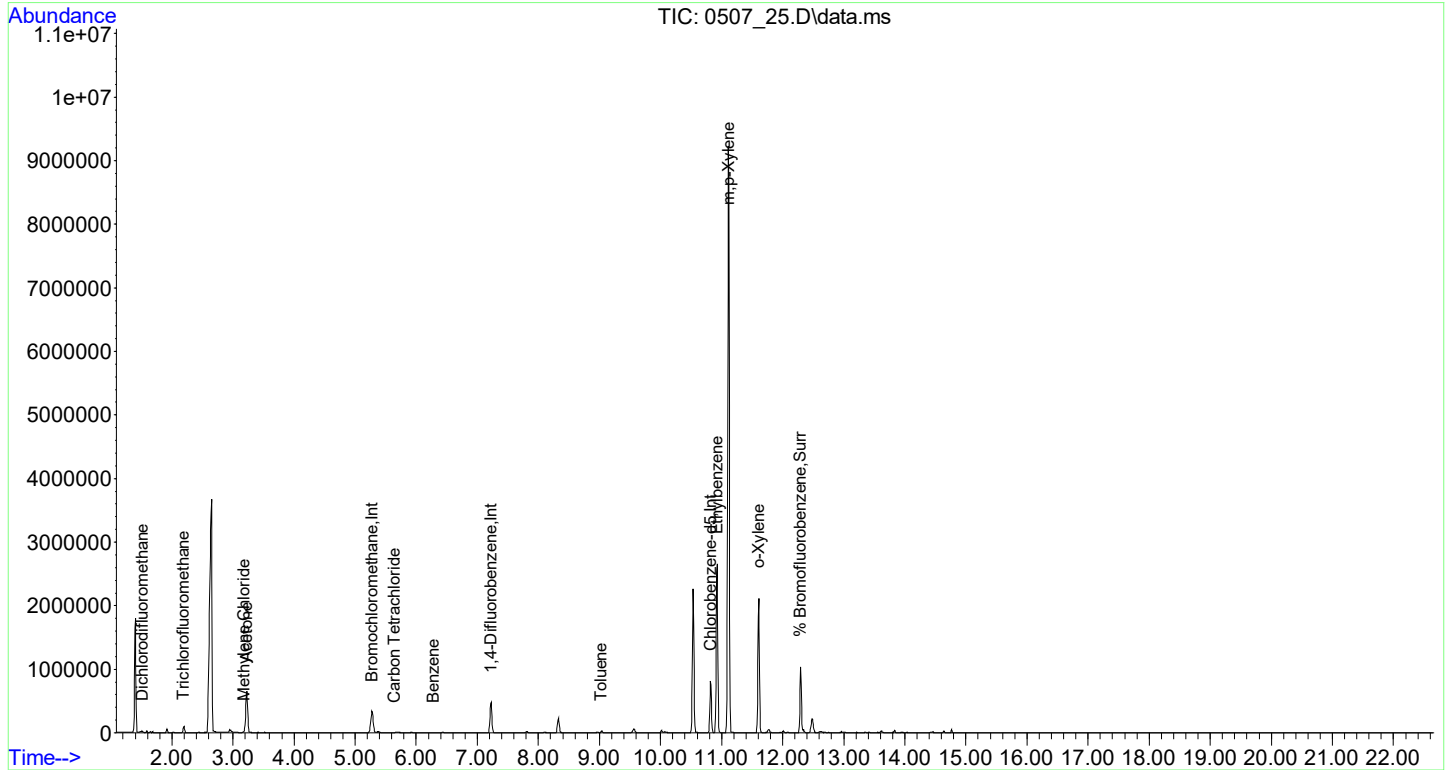
Quant Time: May 08 14:53:12 2021
 Quant Method : H:\AIR2021\CHEM24\METHODS\24AIR_0421.M
 Quant Title : VOA Standards for 5 point calibration
 QLast Update : Thu Apr 22 08:23:13 2021
 Response via : Initial Calibration

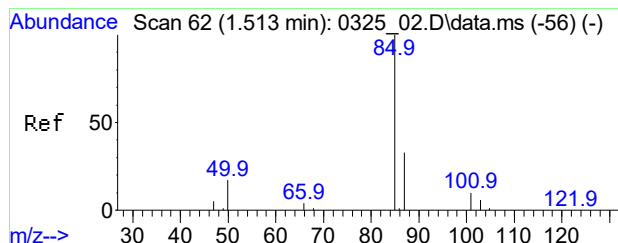
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	5.274	130	125979	10.000	ng	-0.02
36) 1,4-Difluorobenzene	7.226	114	404215	10.000	ng	-0.01
53) Chlorobenzene-d5	10.818	82	217154	10.000	ng	-0.01
80) Bromochloromethane(sim)	5.277	130	132665	10.000	ng	#-0.01
95) 1,4-Difluorobenzene(sim)	7.226	114	404215	10.000	ng	-0.01
105) Chlorobenzene-d5(sim)	10.818	82	217154	10.000	ng	-0.01
System Monitoring Compounds						
62) % Bromofluorobenzene	12.291	95	325297	10.681	ppbv	-0.01
Spiked Amount	10.000	Range	70 - 130	Recovery	= 106.80%	
Target Compounds						
					Qvalue	
3) Dichlorodifluoromethane	1.512	85	11027	0.395	ppbv	97
12) Acetone	3.224	43	903325	27.449	ppbv	96
13) Trichlorofluoromethane	2.184	101	13589	0.412	ppbv	95
17) Methylene Chloride	3.183	49	9790	0.437	ppbv	91
33) Benzene	6.281	78	1591	0.053	ppbv#	91
34) Carbon Tetrachloride	5.642	117	2613	0.084	ppbv	93
48) Toluene	9.034	91	17870	0.477	ppbv	96
56) Ethylbenzene	10.927	91	1758935	32.736	ppbv	90
57) m, p-Xylene	11.113	91	4960663	120.761	ppbv	98
61) o-Xylene	11.607	91	1140051	25.636	ppbv	98
86] Benzene(sim)	6.291	78	1734	0.047	ppbv	95
87] Carbon Tetrachloride(sim)	5.642	117	2613	0.079	ppbv#	9
108] Ethylbenzene(sim)	10.923	91	1968346	31.153	ppb	99
109] m, p-Xylene(sim)	11.113	91	4964678	116.645	ppbv	97

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

Data Path : H:\AIR2021\CHEM24\05MAY\07\
Data File : 0507_25.D
Acq On : 8 May 2021 6:24 am
Operator : Keith
Client ID : SCIA-07
Lab ID : CI26492
ALS Vial : 24 Sample Multiplier: 1

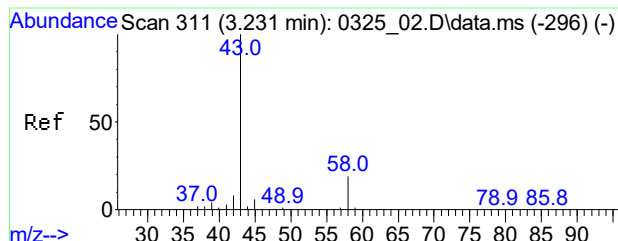
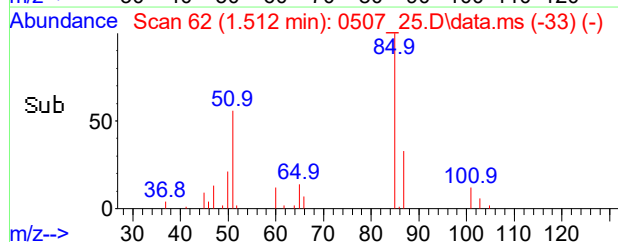
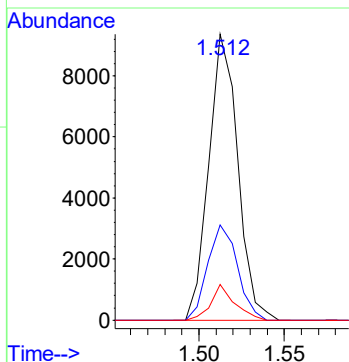
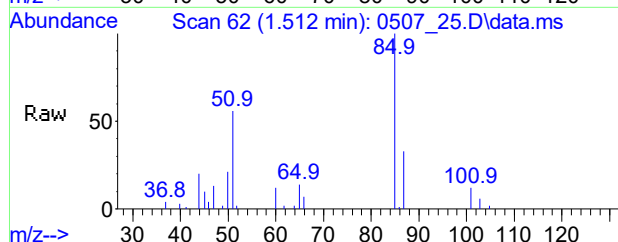
Quant Time: May 08 14:53:12 2021
Quant Method : H:\AIR2021\CHEM24\METHODS\24AIR_0421.M
Quant Title : VOA Standards for 5 point calibration
QLast Update : Thu Apr 22 08:23:13 2021
Response via : Initial Calibration





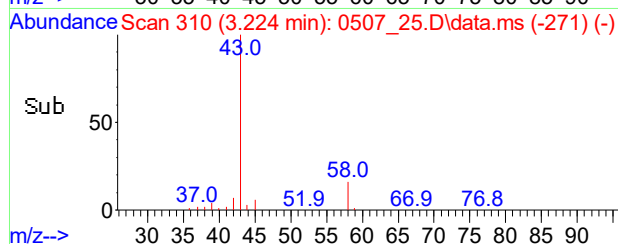
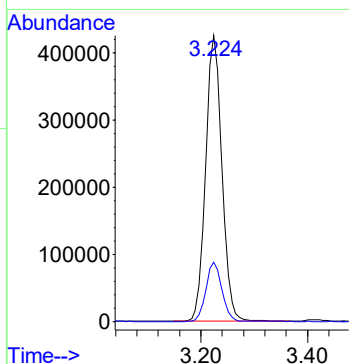
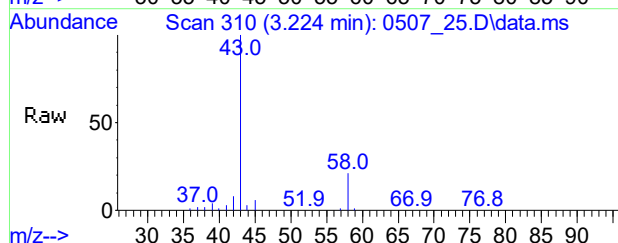
#3
Dichlorodifluoromethane
Conc: 8\$ 0.395 ppbv
RT: 1.512 min Scan# 62
Delta R.T. -0.001 min
Lab File: 0507_25.D
Acq: 8 May 2021 6:24 am

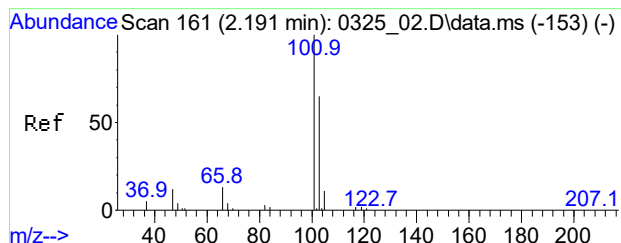
Tgt Ion: 85 Resp: 11027
Ion Ratio Lower Upper
85 100
87 34.2 25.8 38.8
101 10.1 7.3 10.9



#12
Acetone
Conc: 8\$ 27.449 ppbv
RT: 3.224 min Scan# 310
Delta R.T. -0.034 min
Lab File: 0507_25.D
Acq: 8 May 2021 6:24 am

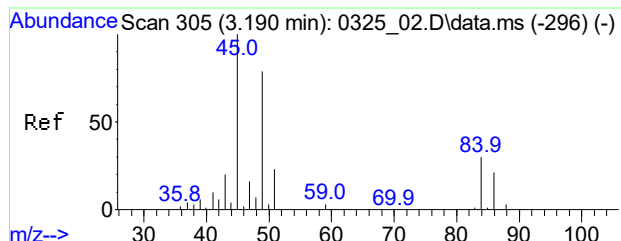
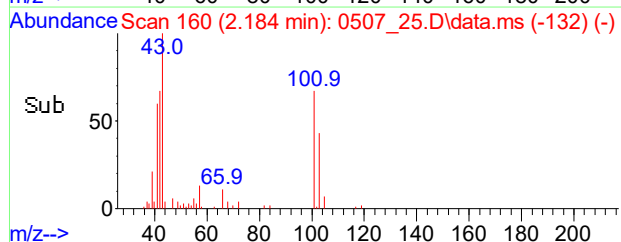
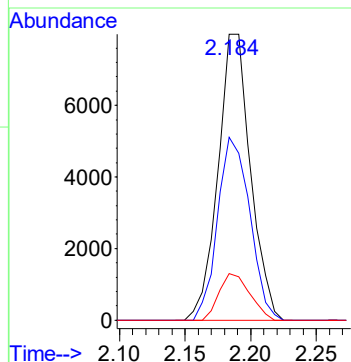
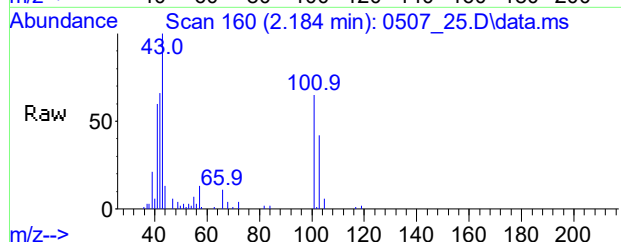
Tgt Ion: 43 Resp: 903325
Ion Ratio Lower Upper
43 100
58 20.3 15.0 22.4





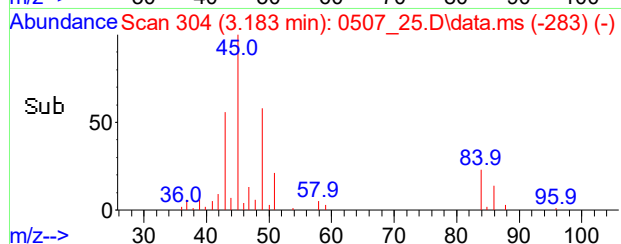
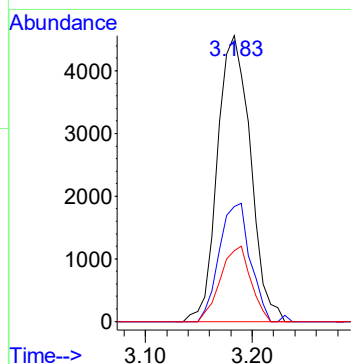
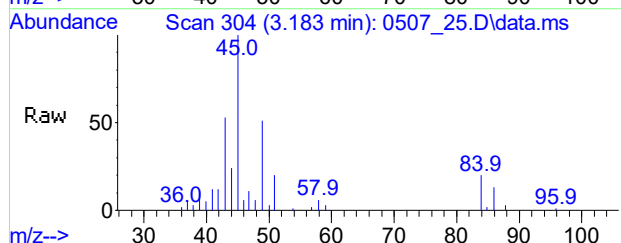
#13
Trichlorofluoromethane
Conc: 8\$ 0.412 ppbv
RT: 2.184 min Scan# 160
Delta R.T. -0.007 min
Lab File: 0507_25.D
Acq: 8 May 2021 6:24 am

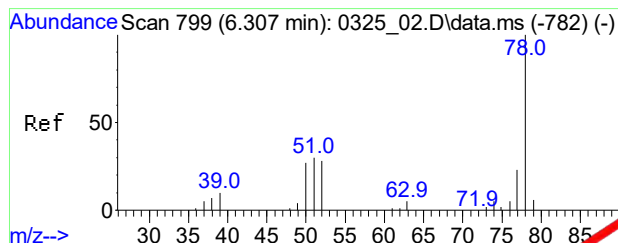
Tgt Ion	Ratio	Lower	Upper
101	100		
103	63.4	54.6	82.0
66	15.4	12.2	18.4



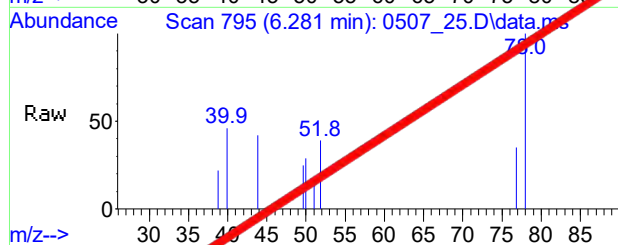
#17
Methylene Chloride
Conc: 8\$ 0.437 ppbv
RT: 3.183 min Scan# 304
Delta R.T. -0.007 min
Lab File: 0507_25.D
Acq: 8 May 2021 6:24 am

Tgt Ion	Ratio	Lower	Upper
49	100		
84	38.8	36.2	54.2
86	24.1	22.3	33.5

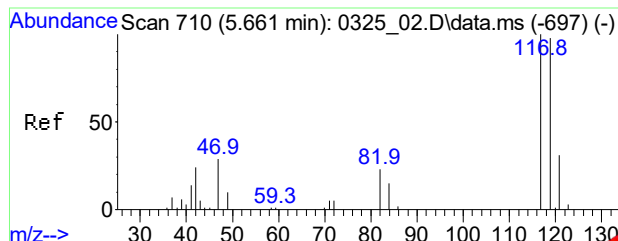
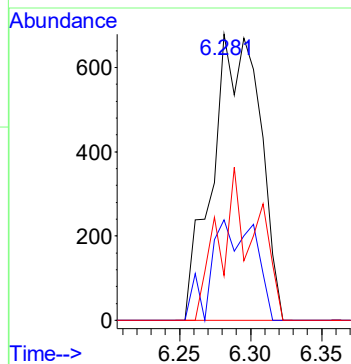
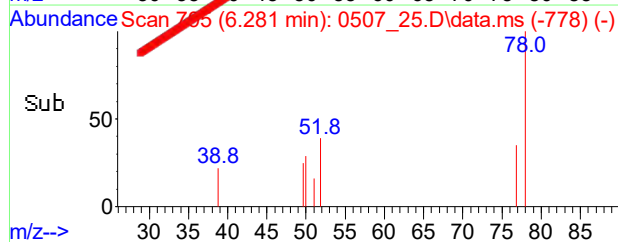




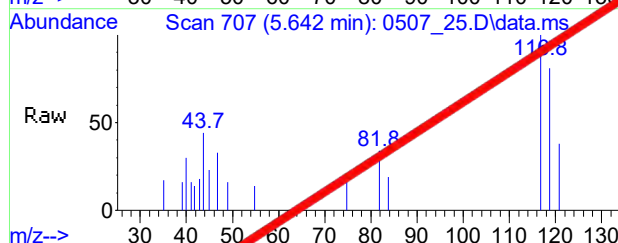
#33
Benzene
Conc: 8\$ Below Cal
RT: 6.281 min Scan# 795
Delta R.T. -0.033 min
Lab File: 0507_25.D
Acq: 8 May 2021 6:24 am



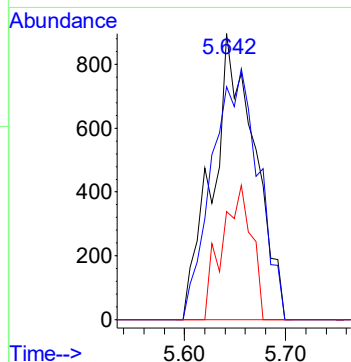
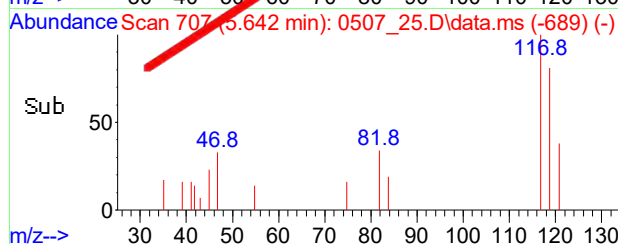
Tgt Ion: 78 Resp: 1591
Ion Ratio Lower Upper
78 100
77 32.1 19.1 28.7#
51 40.8 30.3 45.5

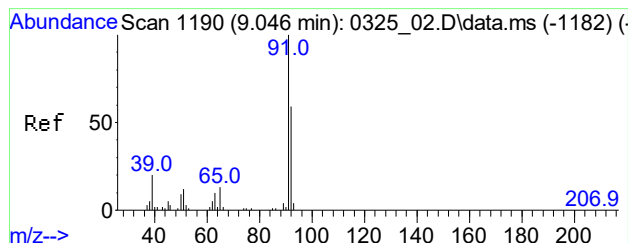


#34
Carbon Tetrachloride
Conc: 8\$ Below Cal
RT: 5.642 min Scan# 707
Delta R.T. -0.019 min
Lab File: 0507_25.D
Acq: 8 May 2021 6:24 am



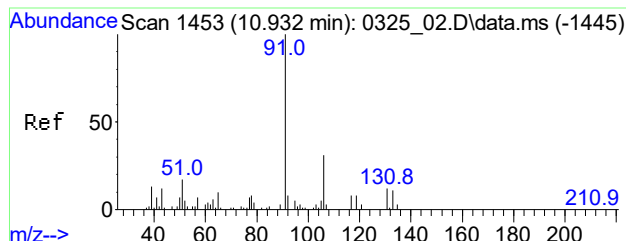
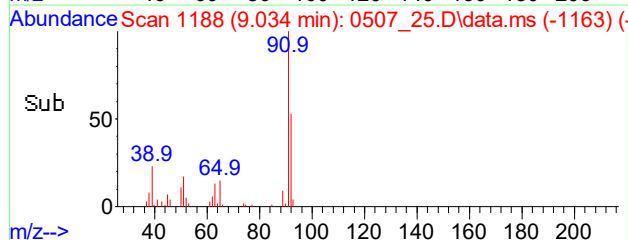
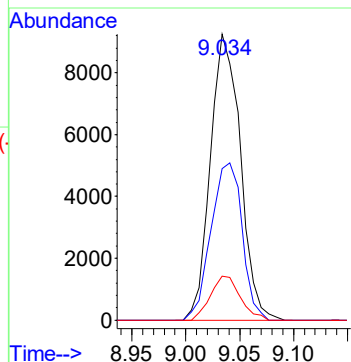
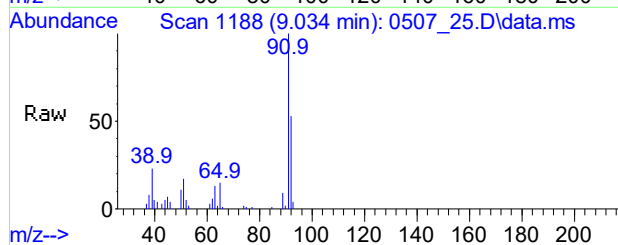
Tgt Ion: 117 Resp: 2613
Ion Ratio Lower Upper
117 100
119 96.4 85.1 125.1
121 32.8 11.0 51.0





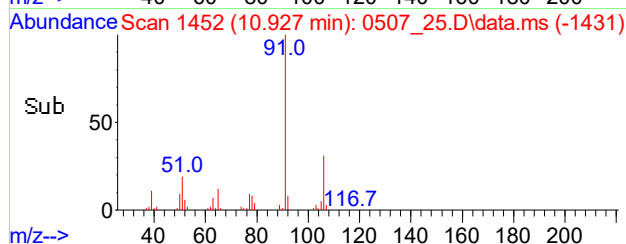
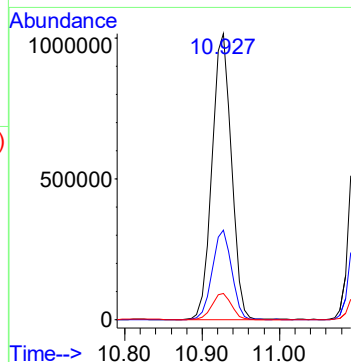
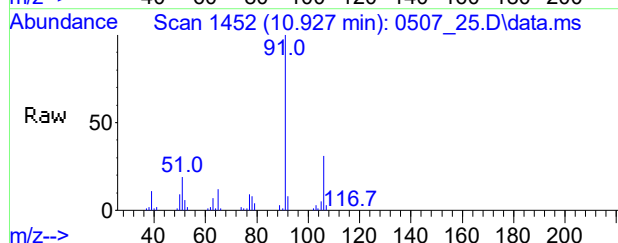
#48
Toluene
Conc: 8\$ 0.477 ppbv
RT: 9.034 min Scan# 1188
Delta R.T. -0.019 min
Lab File: 0507_25.D
Acq: 8 May 2021 6:24 am

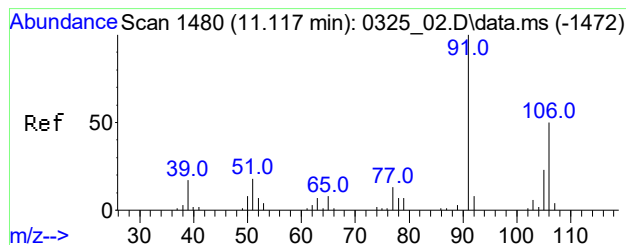
Tgt Ion: 91 Resp: 17870
Ion Ratio Lower Upper
91 100
92 56.9 47.4 71.2
65 15.4 10.2 15.4



#56
Ethylbenzene
Conc: 8\$ 32.736 ppbv
RT: 10.927 min Scan# 1452
Delta R.T. -0.005 min
Lab File: 0507_25.D
Acq: 8 May 2021 6:24 am

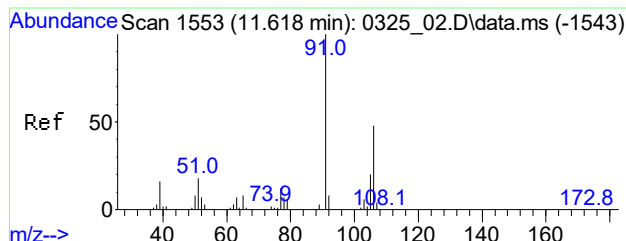
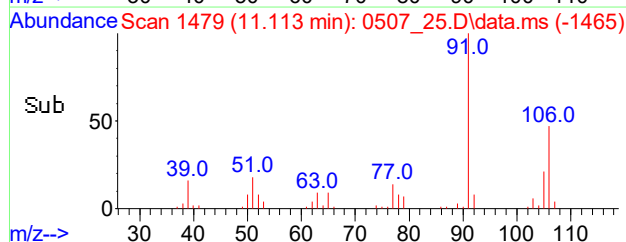
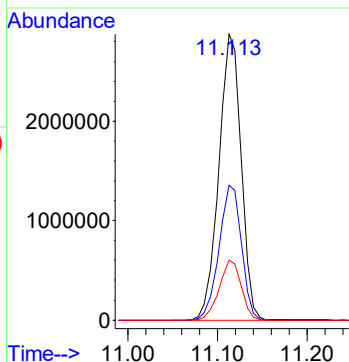
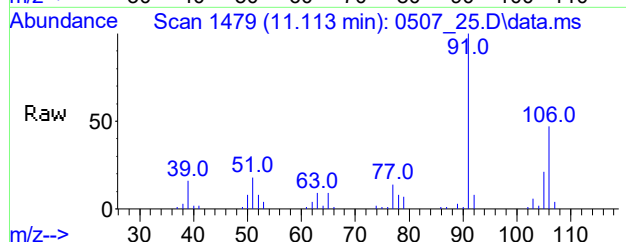
Tgt Ion: 91 Resp: 1758935
Ion Ratio Lower Upper
91 100
106 31.2 17.7 57.7
77 9.1 0.0 32.7





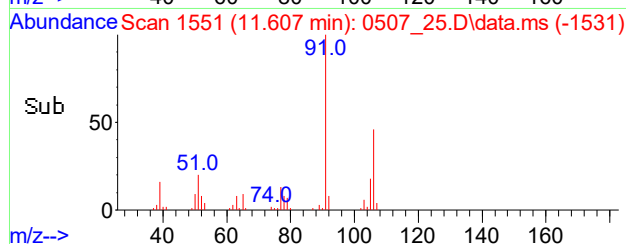
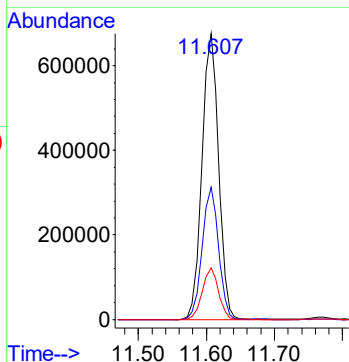
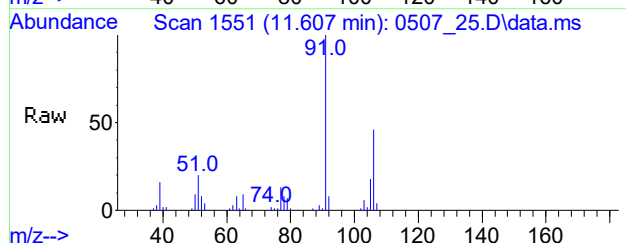
#57
m,p-Xylene
Conc: 8\$ 120.761 ppbv
RT: 11.113 min Scan# 1479
Delta R.T. -0.004 min
Lab File: 0507_25.D
Acq: 8 May 2021 6:24 am

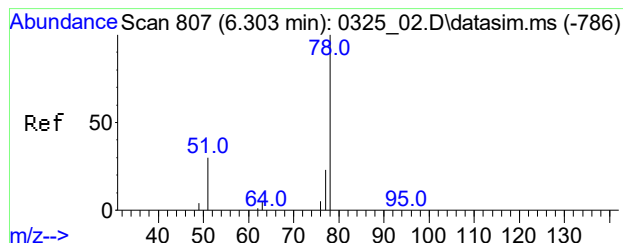
Tgt Ion: 91 Resp: 4960663
Ion Ratio Lower Upper
91 100
106 47.4 39.4 59.2
105 20.7 16.8 25.2



#61
o-Xylene
Conc: 8\$ 25.636 ppbv
RT: 11.607 min Scan# 1551
Delta R.T. -0.011 min
Lab File: 0507_25.D
Acq: 8 May 2021 6:24 am

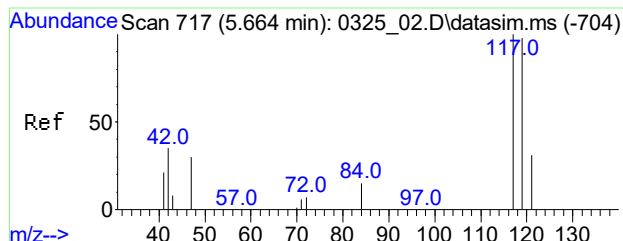
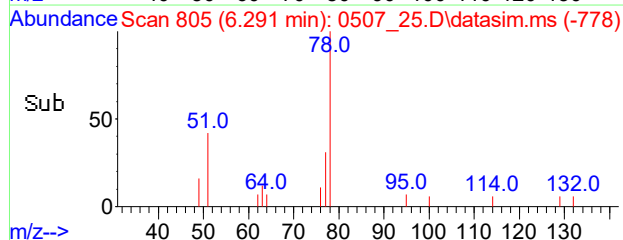
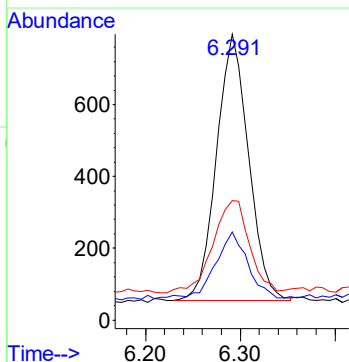
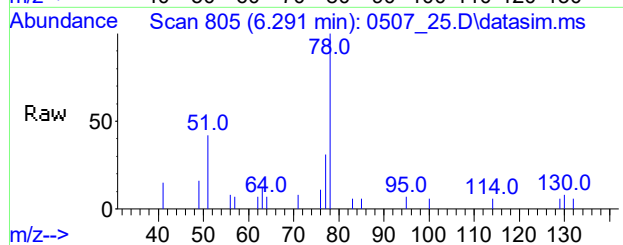
Tgt Ion: 91 Resp: 1140051
Ion Ratio Lower Upper
91 100
106 45.6 37.5 56.3
105 17.5 13.5 20.3





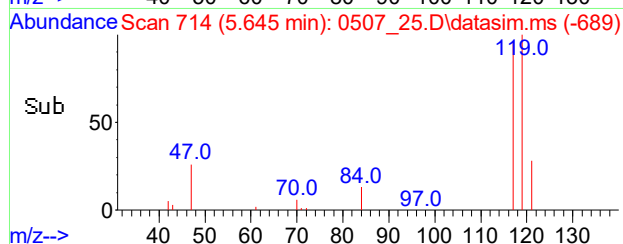
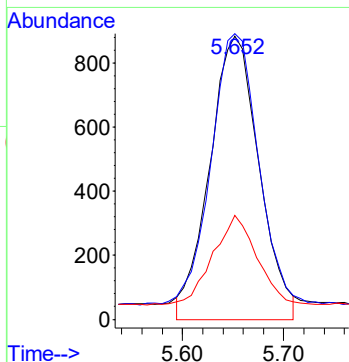
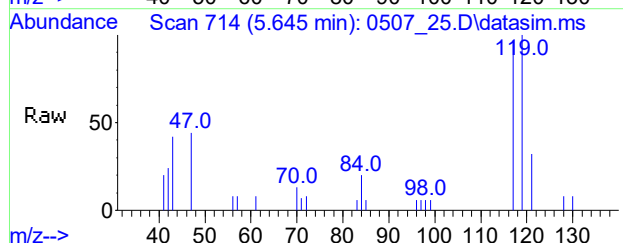
#86
Benzene(sim)
Conc: 8\$ Below Cal
RT: 6.291 min Scan# 805
Delta R.T. -0.012 min
Lab File: 0507_25.D
Acq: 8 May 2021 6:24 am

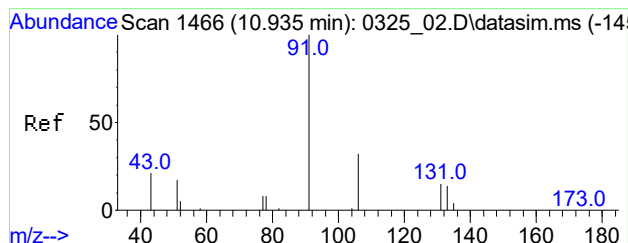
Tgt Ion: 78 Resp: 1734
Ion Ratio Lower Upper
78 100
77 24.2 18.6 28.0
51 36.3 25.4 38.2



#87
Carbon Tetrachloride(sim)
Conc: 8\$ 0.079 ppbv
RT: 5.642 min Scan# 714
Delta R.T. -0.019 min
Lab File: 0507_25.D
Acq: 8 May 2021 6:24 am

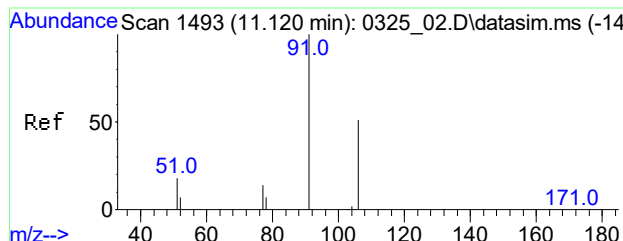
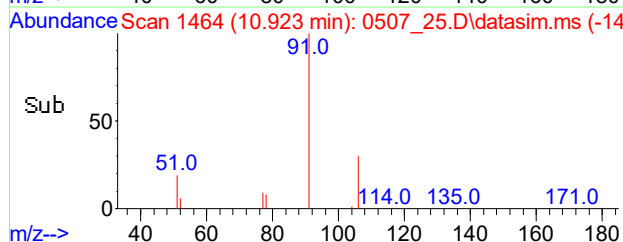
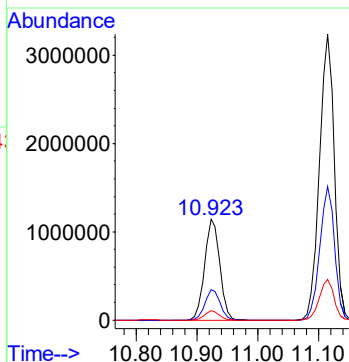
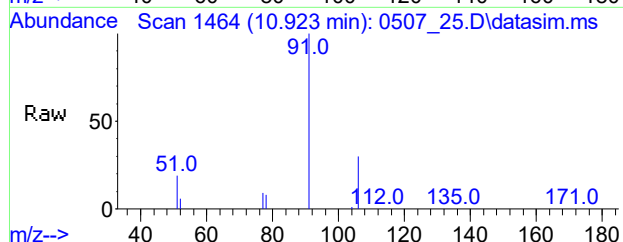
Tgt Ion: 117 Resp: 2613
Ion Ratio Lower Upper
117 100
119 0.0 84.7 127.1#
121 3.9 21.1 31.7#





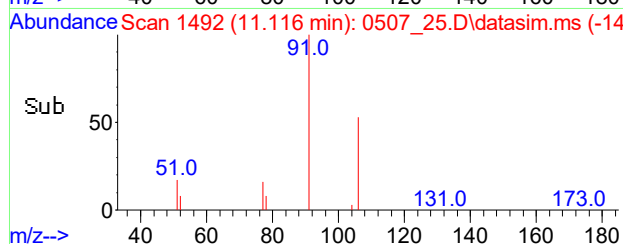
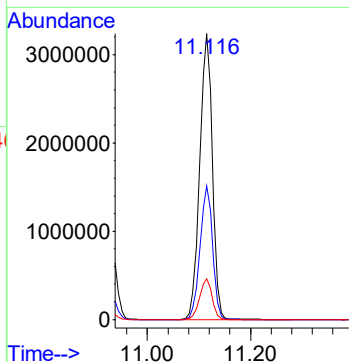
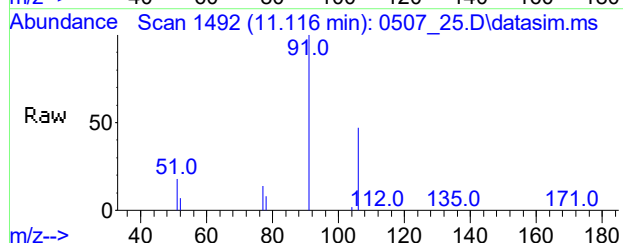
#108
Ethylbenzene(sim)
Conc: 8\$ 31.153 ppb
RT: 10.923 min Scan# 1464
Delta R.T. -0.012 min
Lab File: 0507_25.D
Acq: 8 May 2021 6:24 am

Tgt Ion: 91 Resp: 1968346
Ion Ratio Lower Upper
91 100
106 30.3 24.8 37.2
77 9.1 7.5 11.3



#109
m,p-Xylene(sim)
Conc: 8\$ 116.645 ppbv
RT: 11.113 min Scan# 1492
Delta R.T. -0.004 min
Lab File: 0507_25.D
Acq: 8 May 2021 6:24 am

Tgt Ion: 91 Resp: 4964678
Ion Ratio Lower Upper
91 100
106 47.4 44.4 54.2
77 14.0 11.7 17.5



CLIENT ID

SCIA-07 5X

Dilution Factor: 5

CONCENTRATION UNITS: (ppbv or ug/m3) ppbv

FORM I AIR

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Data Path : H:\AIR2021\CHEM24\05MAY\10\
 Data File : 0510_25.D
 Acq On : 10 May 2021 9:52 pm
 Operator : Keith
 Client ID : SCIA-07 5X
 Lab ID : CI26492 5X
 ALS Vial : 25 Sample Multiplier: 1

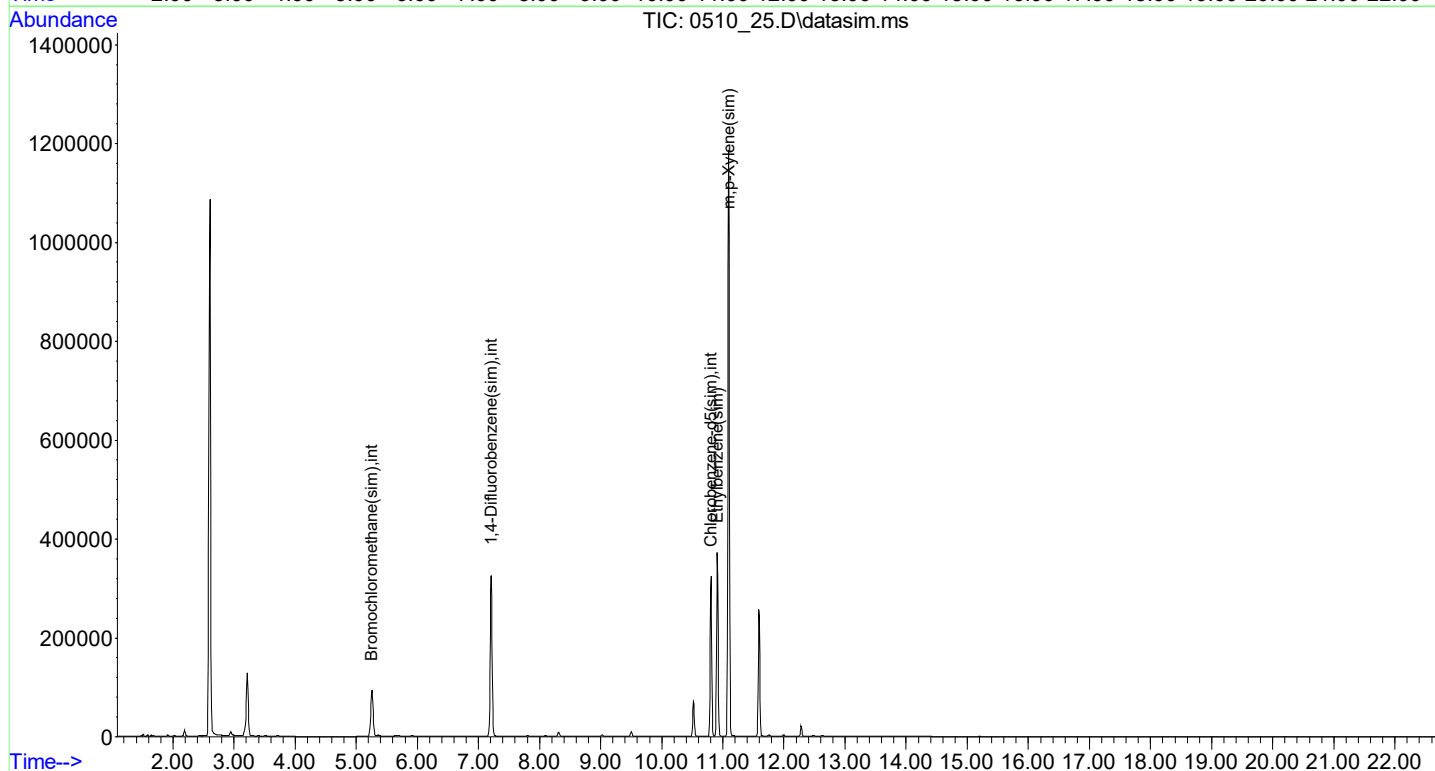
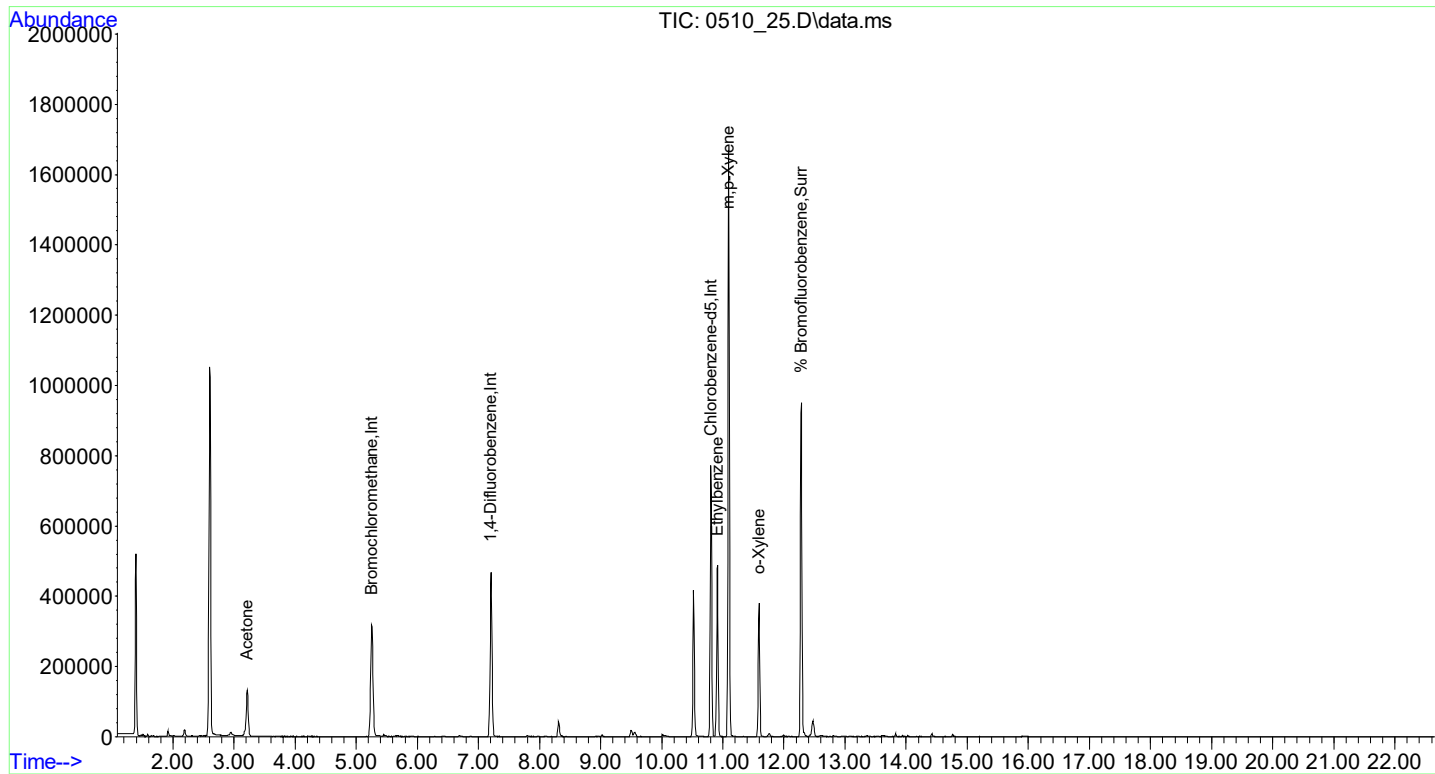
Quant Time: May 11 08:35:01 2021
 Quant Method : H:\AIR2021\CHEM24\METHODS\24AIR_0421.M
 Quant Title : VOA Standards for 5 point calibration
 QLast Update : Thu Apr 22 08:23:13 2021
 Response via : Initial Calibration

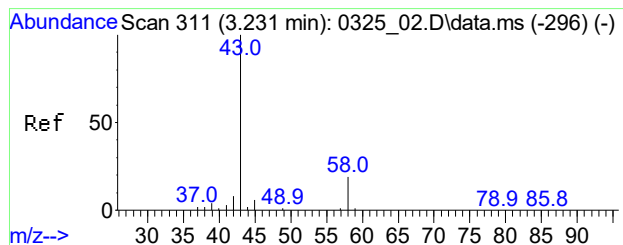
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	5.252	130	119255	10.000	ng	-0.04
36) 1,4-Difluorobenzene	7.206	114	382797	10.000	ng	-0.03
53) Chlorobenzene-d5	10.804	82	200934	10.000	ng	-0.03
80) Bromochloromethane(sim)	5.255	130	125598	10.000	ng	#-0.03
95) 1,4-Difluorobenzene(sim)	7.206	114	382797	10.000	ng	-0.03
105) Chlorobenzene-d5(sim)	10.804	82	200934	10.000	ng	-0.03
System Monitoring Compounds						
62) % Bromofluorobenzene	12.285	95	287789	10.212	ppbv	-0.02
Spiked Amount	10.000	Range	70 - 130	Recovery	=	102.10%
Target Compounds						Qvalue
12) Acetone	3.217	43	189739	6.091	ppbv	97
56) Ethylbenzene	10.914	91	325334	6.544	ppbv	90
57) m,p-Xylene	11.092	91	900979	23.704	ppbv	98
61) o-Xylene	11.593	91	202666	4.925	ppbv	98
108] Ethylbenzene(sim)	10.910	91	368178	6.298	ppb	98
109] m,p-Xylene(sim)	11.092	91	901621	22.894	ppbv	97

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

Data Path : H:\AIR2021\CHEM24\05MAY\10\
Data File : 0510_25.D
Acq On : 10 May 2021 9:52 pm
Operator : Keith
Client ID : SCIA-07 5X
Lab ID : CI26492 5X
ALS Vial : 25 Sample Multiplier: 1

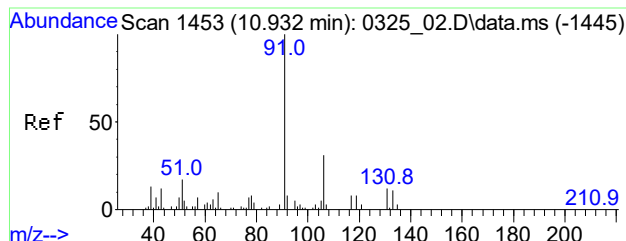
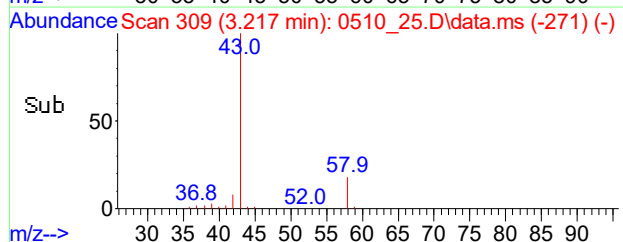
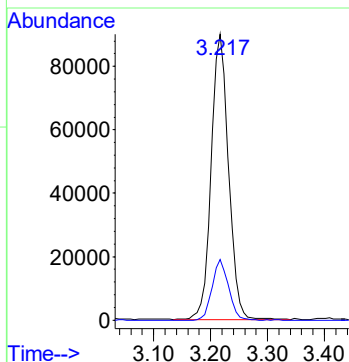
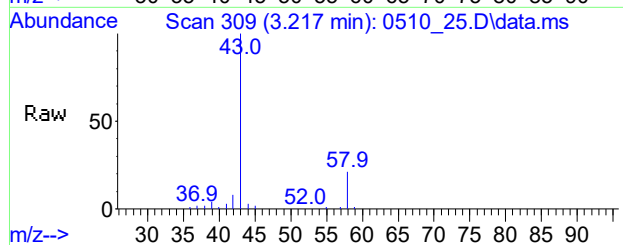
Quant Time: May 11 08:35:01 2021
Quant Method : H:\AIR2021\CHEM24\METHODS\24AIR_0421.M
Quant Title : VOA Standards for 5 point calibration
QLast Update : Thu Apr 22 08:23:13 2021
Response via : Initial Calibration





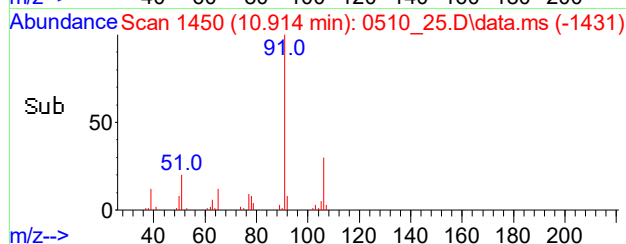
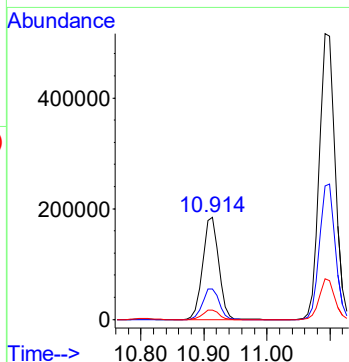
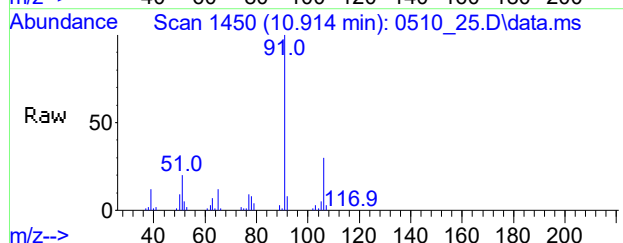
#12
Acetone
Conc: 8\$ 6.091 ppbv
RT: 3.217 min Scan# 309
Delta R.T. -0.041 min
Lab File: 0510_25.D
Acq: 10 May 2021 9:52 pm

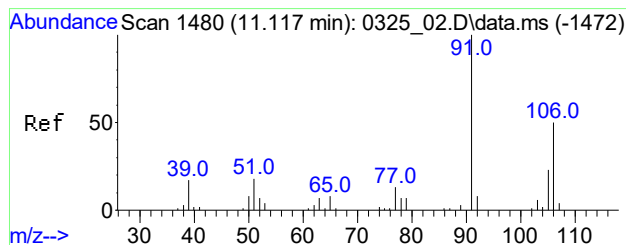
Tgt Ion: 43 Resp: 189739
Ion Ratio Lower Upper
43 100
58 20.0 15.0 22.4



#56
Ethylbenzene
Conc: 8\$ 6.544 ppbv
RT: 10.914 min Scan# 1450
Delta R.T. -0.018 min
Lab File: 0510_25.D
Acq: 10 May 2021 9:52 pm

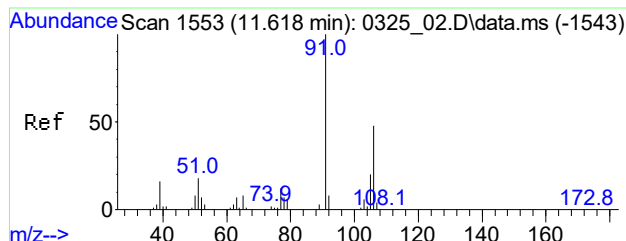
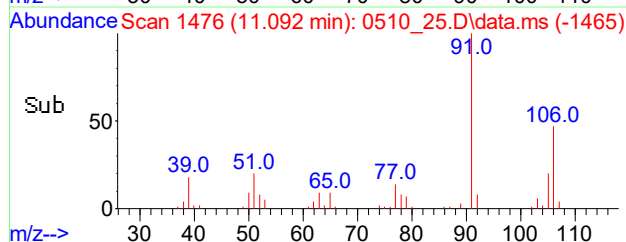
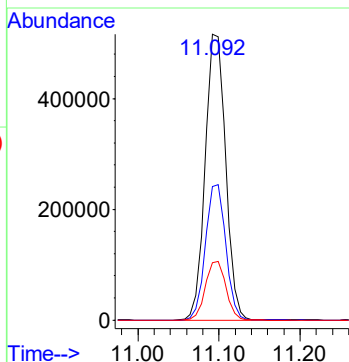
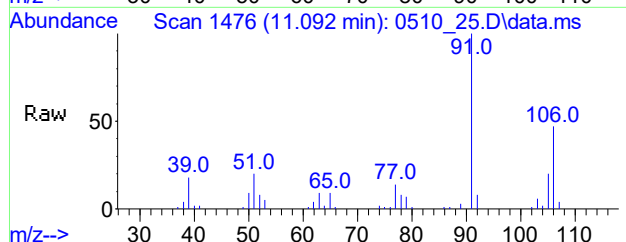
Tgt Ion: 91 Resp: 325334
Ion Ratio Lower Upper
91 100
106 31.1 17.7 57.7
77 9.5 0.0 32.7





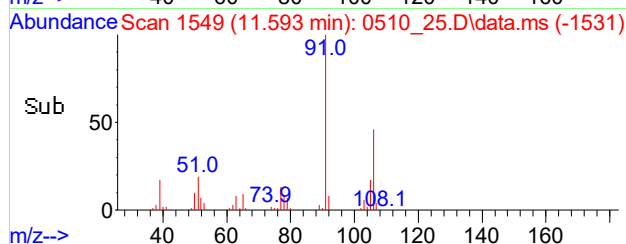
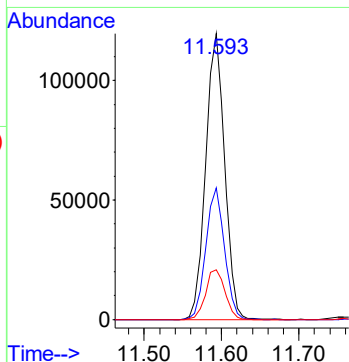
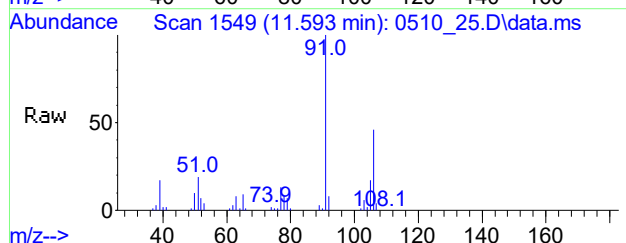
#57
m,p-Xylene
Conc: 8\$ 23.704 ppbv
RT: 11.092 min Scan# 1476
Delta R.T. -0.025 min
Lab File: 0510_25.D
Acq: 10 May 2021 9:52 pm

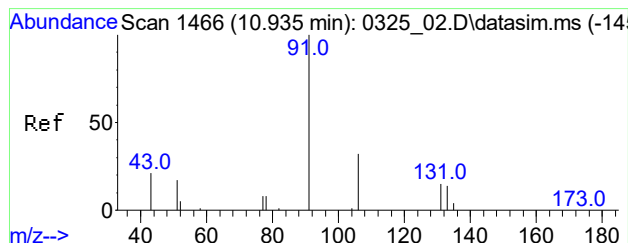
Tgt Ion	Ratio	Lower	Upper
91	100		
106	47.2	39.4	59.2
105	20.6	16.8	25.2



#61
o-Xylene
Conc: 8\$ 4.925 ppbv
RT: 11.593 min Scan# 1549
Delta R.T. -0.025 min
Lab File: 0510_25.D
Acq: 10 May 2021 9:52 pm

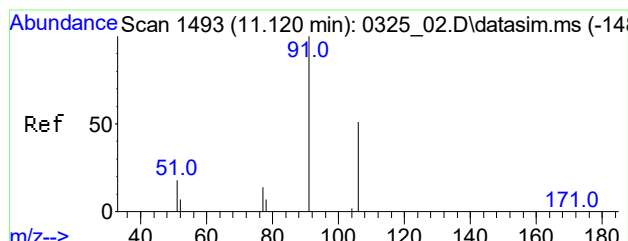
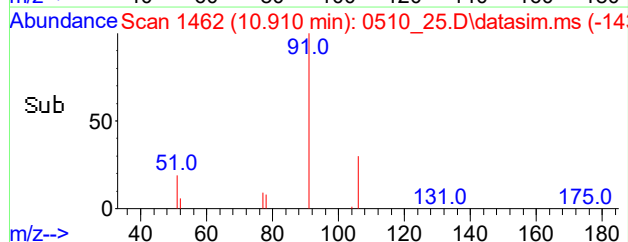
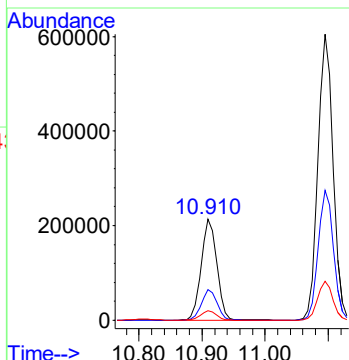
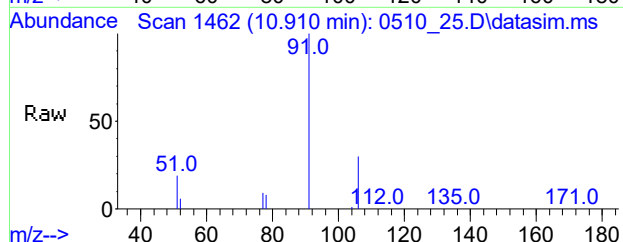
Tgt Ion	Ratio	Lower	Upper
91	100		
106	45.3	37.5	56.3
105	17.8	13.5	20.3





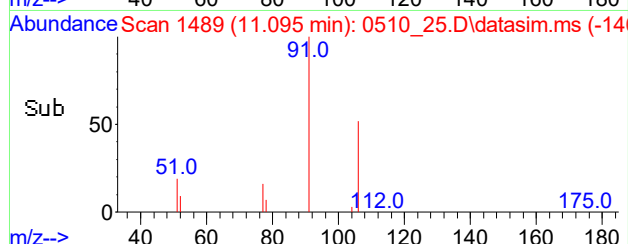
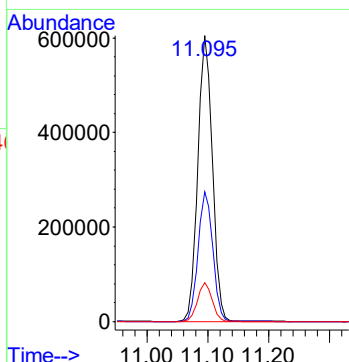
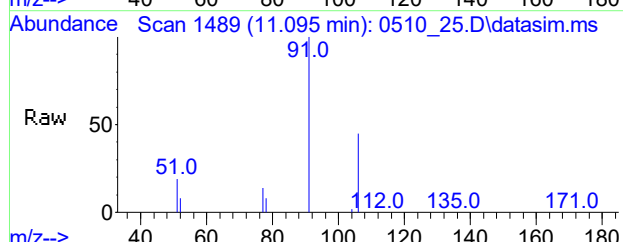
#108
Ethylbenzene(sim)
Conc: 8\$ 6.298 ppb
RT: 10.910 min Scan# 1462
Delta R.T. -0.025 min
Lab File: 0510_25.D
Acq: 10 May 2021 9:52 pm

Tgt Ion: 91 Resp: 368178
Ion Ratio Lower Upper
91 100
106 30.0 24.8 37.2
77 9.0 7.5 11.3



#109
m,p-Xylene(sim)
Conc: 8\$ 22.894 ppbv
RT: 11.092 min Scan# 1489
Delta R.T. -0.025 min
Lab File: 0510_25.D
Acq: 10 May 2021 9:52 pm

Tgt Ion: 91 Resp: 901621
Ion Ratio Lower Upper
91 100
106 47.1 44.4 54.2
77 13.7 11.7 17.5



Client:	<u>WALDENE-IPARK</u>	Lab:	<u>Phoenix Env. Labs</u>
SDG No.:	<u>GCI26486</u>	Lab Sample ID:	<u>CI26493</u>
Canister:	<u>19634</u>	Lab File ID:	<u>0510_08.D</u>
Instrument:	<u>CHEM24</u>	Column:	<u>RTX-VMS</u>
Purge Volume	<u>200</u> (cc)	Date Received:	<u>05/07/21</u>
Matrix:	<u>AIR</u>	Date Analyzed:	<u>05/10/21</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:\AIR2021\CHEM24\05MAY\10\
 Data File : 0510_08.D
 Acq On : 10 May 2021 11:04 am
 Operator : Keith
 Client ID : SCIA-08
 Lab ID : CI26493
 ALS Vial : 8 Sample Multiplier: 1

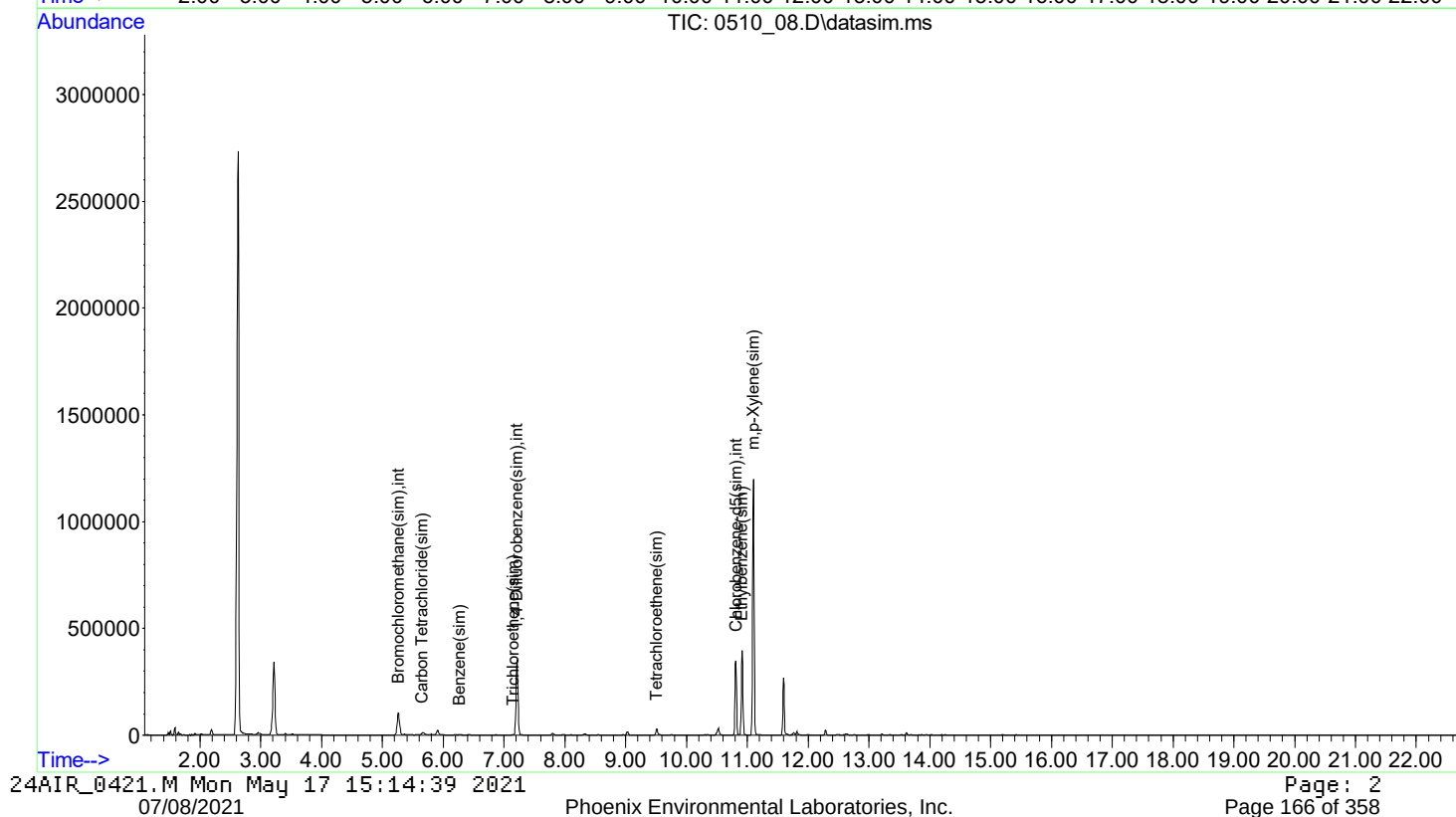
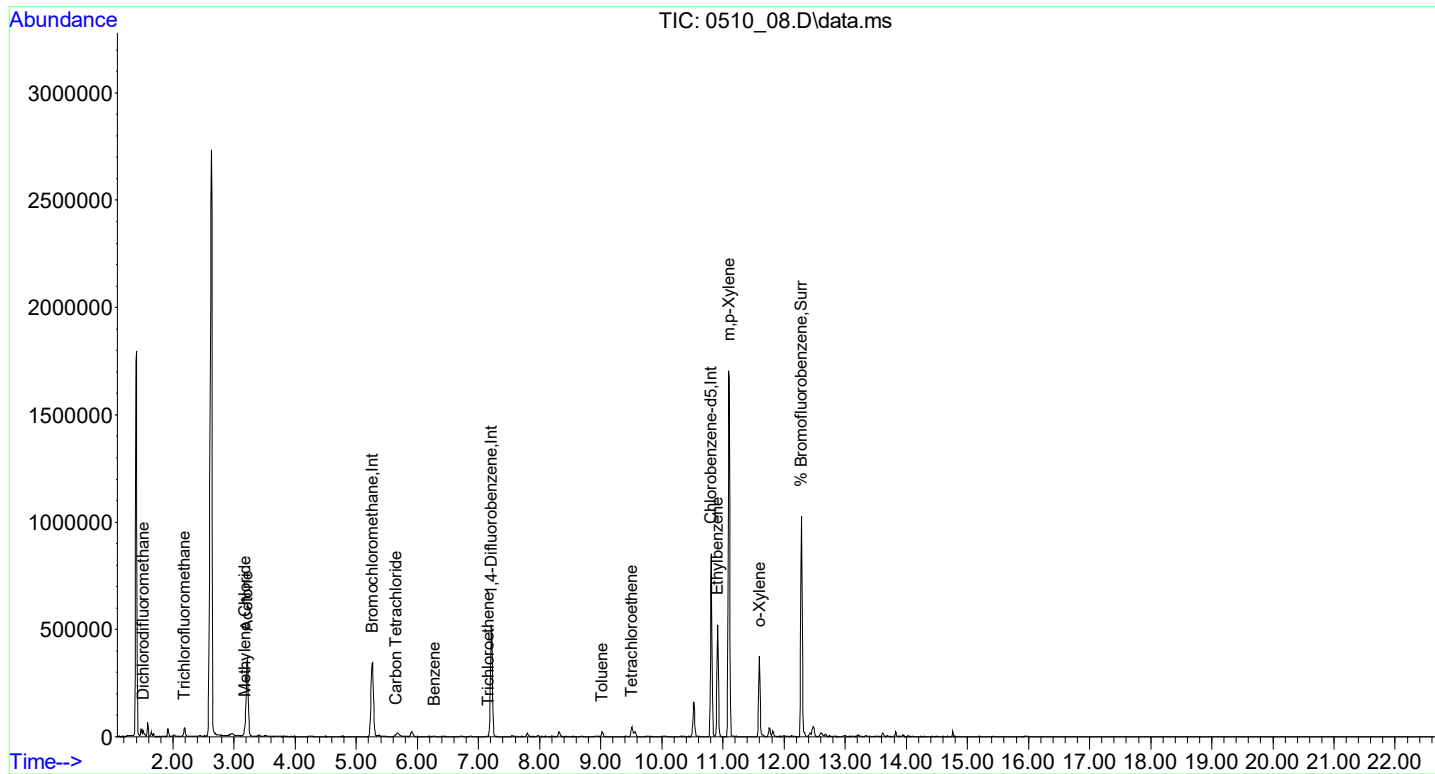
Quant Time: May 10 12:05:02 2021
 Quant Method : H:\AIR2021\CHEM24\METHODS\24AIR_0421.M
 Quant Title : VOA Standards for 5 point calibration
 QLast Update : Thu Apr 22 08:23:13 2021
 Response via : Initial Calibration

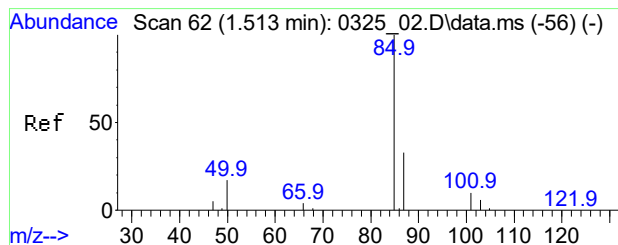
Compound		R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards							
1) Bromochloromethane		5.265	130	134570	10.000	ng	-0.03
36) 1,4-Difluorobenzene		7.211	114	429673	10.000	ng	-0.03
53) Chlorobenzene-d5		10.808	82	225797	10.000	ng	-0.02
80) Bromochloromethane(sim)		5.260	130	141495	10.000	ng	#-0.03
95) 1,4-Difluorobenzene(sim)		7.211	114	429673	10.000	ng	-0.03
105) Chlorobenzene-d5(sim)		10.808	82	225797	10.000	ng	-0.02
System Monitoring Compounds							
62) % Bromofluorobenzene		12.283	95	321832	10.163	ppbv	-0.02
Spiked Amount	10.000	Range	70 - 130	Recovery	=	101.60%	
Target Compounds							
3) Dichlorodifluoromethane		1.512	85	12182	0.408	ppbv	99
12) Acetone		3.217	43	480581	13.671	ppbv	96
13) Trichlorofluoromethane		2.184	101	13878	0.394	ppbv	94
17) Methylene Chloride		3.176	49	11459	0.479	ppbv	90
33) Benzene		6.280	78	2793	0.087	ppbv	97
34) Carbon Tetrachloride		5.647	117	2662	0.080	ppbv	92
39) Trichloroethene		7.156	130	1251	0.071	ppbv	96
48) Toluene		9.024	91	15614	0.392	ppbv	96
52) Tetrachloroethene		9.508	166	6159	0.250	ppbv	90
56) Ethylbenzene		10.911	91	347040	6.212	ppbv	90
57) m, p-Xylene		11.097	91	928238	21.732	ppbv	98
61) o-Xylene		11.598	91	205793	4.450	ppbv	98
86] Benzene(sim)		6.276	78	3050	0.078	ppbv	94
87] Carbon Tetrachloride(sim)		5.647	117	2518	0.071	ppbv	98
98] Trichloroethene(sim)		7.152	130	1279	0.066	ppbv	100
104] Tetrachloroethene(sim)		9.504	166	6605	0.250	ppbv	97
108] Ethylbenzene(sim)		10.914	91	389041	5.922	ppb	99
109] m, p-Xylene(sim)		11.097	91	928735	20.985	ppbv	98

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

Data Path : H:\AIR2021\CHEM24\05MAY\10\
Data File : 0510_08.D
Acq On : 10 May 2021 11:04 am
Operator : Keith
Client ID : SCIA-08
Lab ID : CI26493
ALS Vial : 8 Sample Multiplier: 1

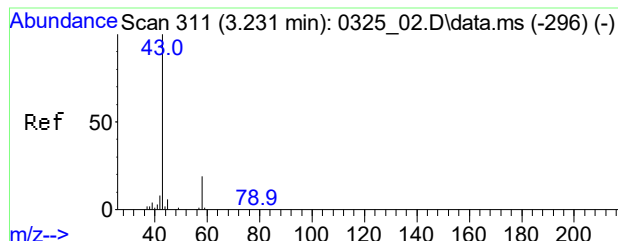
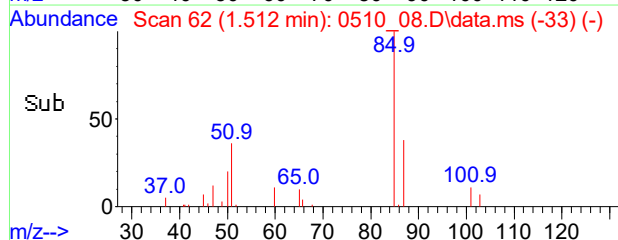
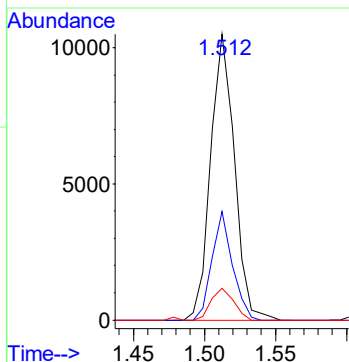
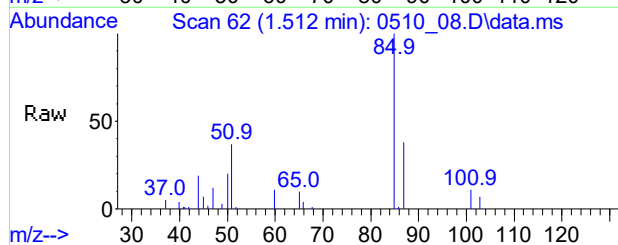
Quant Time: May 10 12:05:02 2021
Quant Method : H:\AIR2021\CHEM24\METHODS\24AIR_0421.M
Quant Title : VOA Standards for 5 point calibration
QLast Update : Thu Apr 22 08:23:13 2021
Response via : Initial Calibration





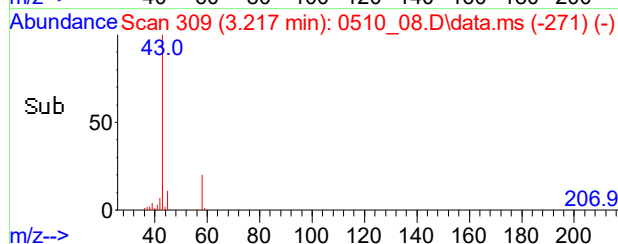
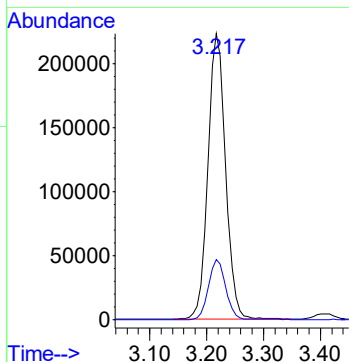
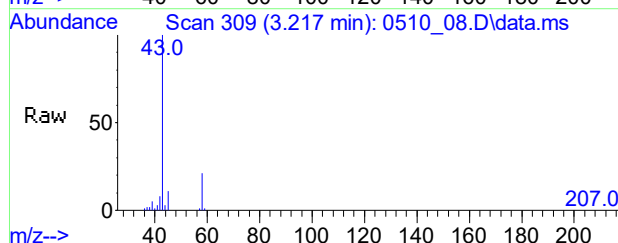
#3
Dichlorodifluoromethane
Conc: 8% 0.408 ppbv
RT: 1.512 min Scan# 62
Delta R.T. -0.001 min
Lab File: 0510_08.D
Acq: 10 May 2021 11:04 am

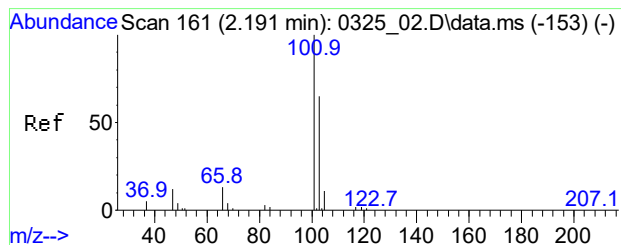
Tgt Ion: 85 Resp: 12182
Ion Ratio Lower Upper
85 100
87 32.6 25.8 38.8
101 10.6 7.3 10.9



#12
Acetone
Conc: 8% 13.671 ppbv
RT: 3.217 min Scan# 309
Delta R.T. -0.041 min
Lab File: 0510_08.D
Acq: 10 May 2021 11:04 am

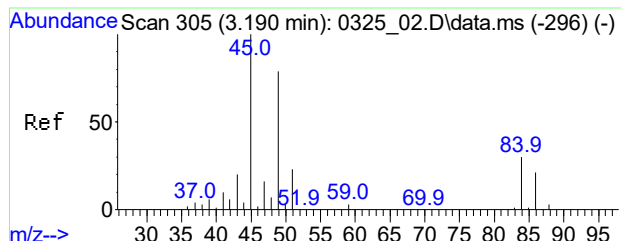
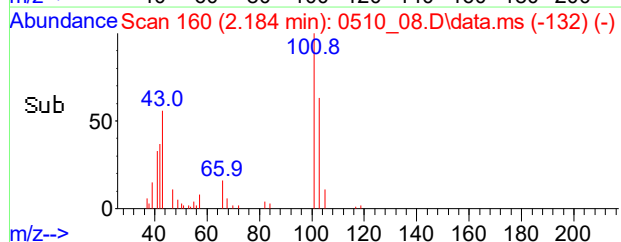
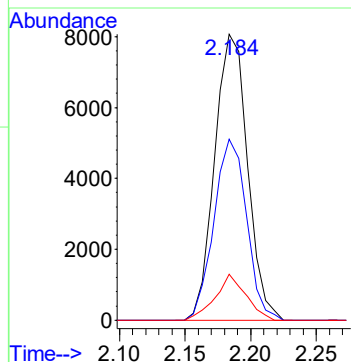
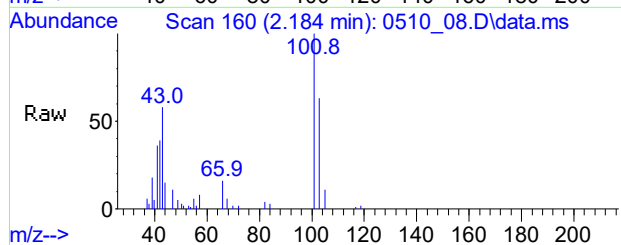
Tgt Ion: 43 Resp: 480581
Ion Ratio Lower Upper
43 100
58 20.5 15.0 22.4





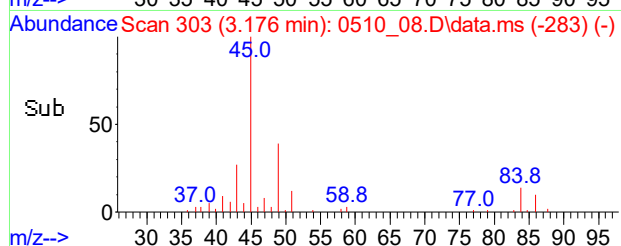
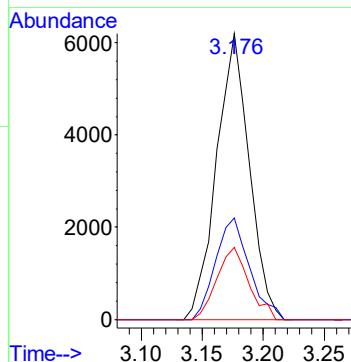
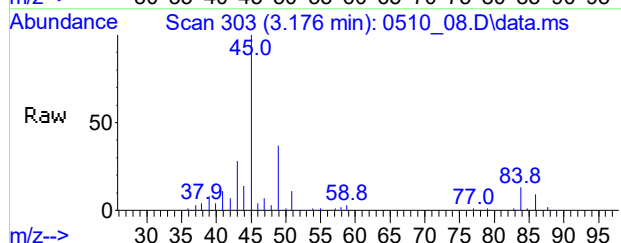
#13
Trichlorofluoromethane
Conc: 8\$ 0.394 ppbv
RT: 2.184 min Scan# 160
Delta R.T. -0.007 min
Lab File: 0510_08.D
Acq: 10 May 2021 11:04 am

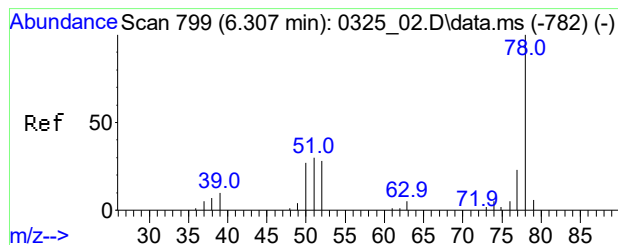
Tgt Ion	Ratio	Lower	Upper
101	100		
103	63.0	54.6	82.0
66	15.0	12.2	18.4



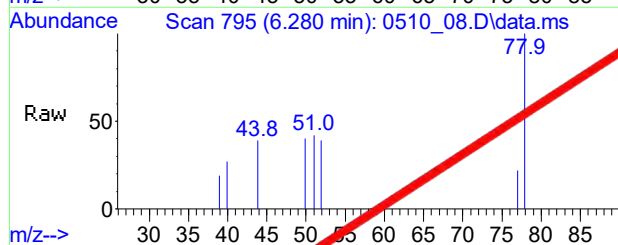
#17
Methylene Chloride
Conc: 8\$ 0.479 ppbv
RT: 3.176 min Scan# 303
Delta R.T. -0.014 min
Lab File: 0510_08.D
Acq: 10 May 2021 11:04 am

Tgt Ion	Ratio	Lower	Upper
49	100		
84	36.7	36.2	54.2
86	24.5	22.3	33.5

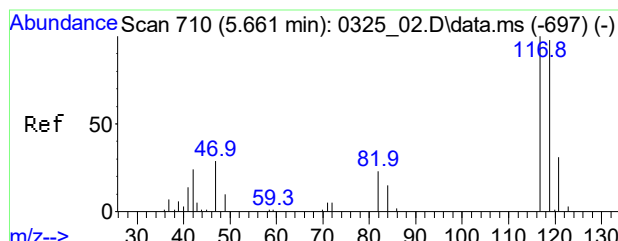
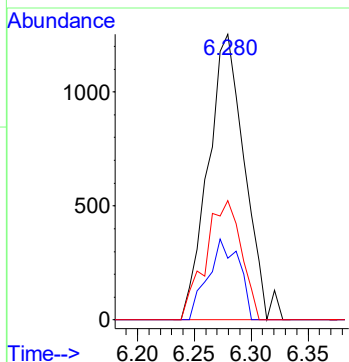
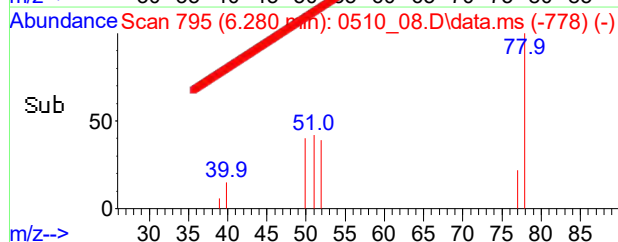




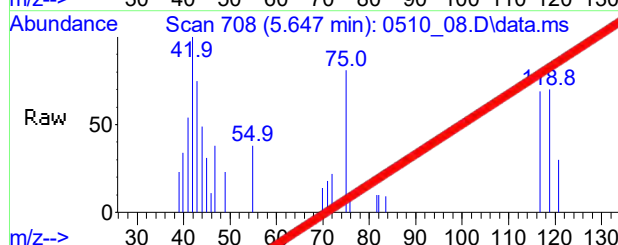
#33
Benzene
Conc: 8\$ Below Cal
RT: 6.280 min Scan# 795
Delta R.T. -0.024 min
Lab File: 0510_08.D
Acq: 10 May 2021 11:04 am



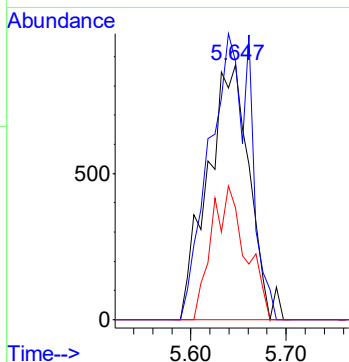
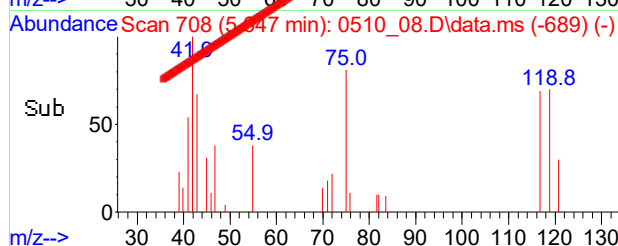
Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.1	19.1	28.7
51	41.0	30.3	45.5

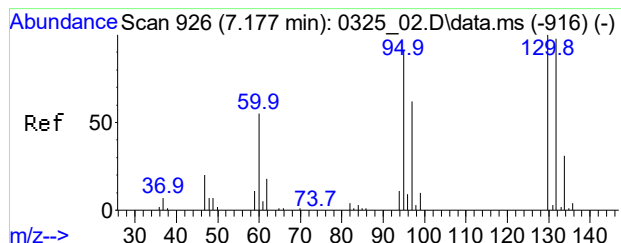


#34
Carbon Tetrachloride
Conc: 8\$ Below Cal
RT: 5.647 min Scan# 708
Delta R.T. -0.014 min
Lab File: 0510_08.D
Acq: 10 May 2021 11:04 am

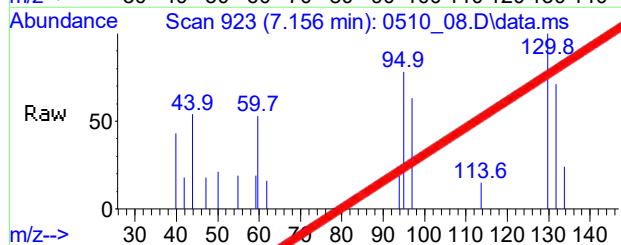


Tgt Ion	Ratio	Lower	Upper
117	100		
119	109.7	85.1	125.1
121	42.5	11.0	51.0

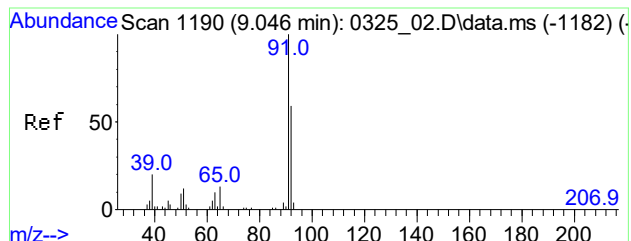
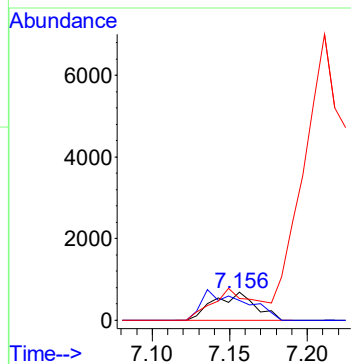
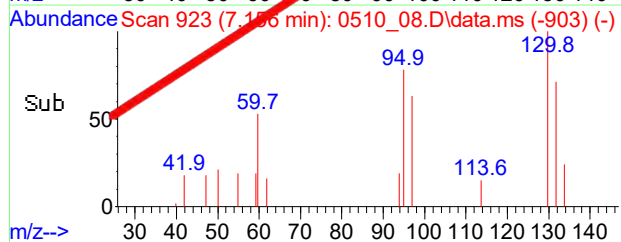




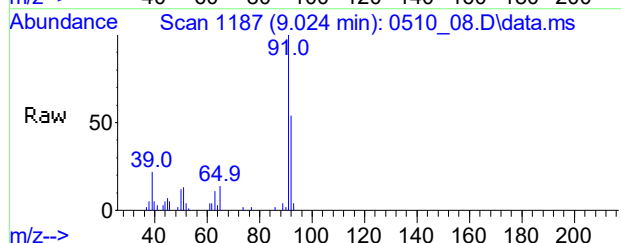
#39
Trichloroethene
Conc: 8\$ Below Cal
RT: 7.156 min Scan# 923
Delta R.T. -0.014 min
Lab File: 0510_08.D
Acq: 10 May 2021 11:04 am



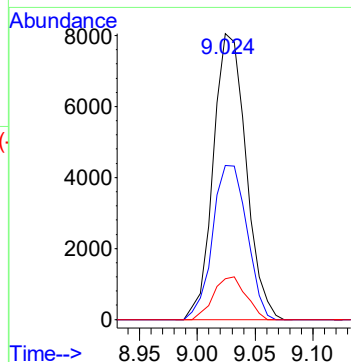
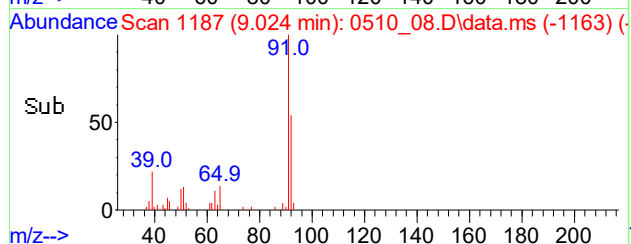
Tgt Ion: 130 Resp: 1251
Ion Ratio Lower Upper
130 100
132 114.0 87.1 130.7
95 108.2 88.9 133.3

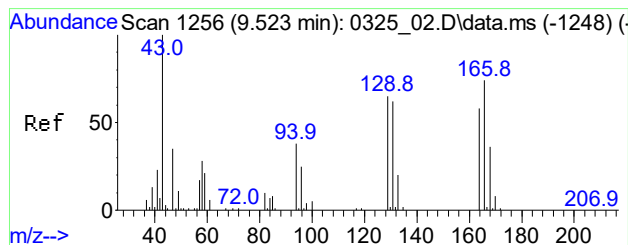


#48
Toluene
Conc: 8\$ 0.392 ppbv
RT: 9.024 min Scan# 1187
Delta R.T. -0.029 min
Lab File: 0510_08.D
Acq: 10 May 2021 11:04 am



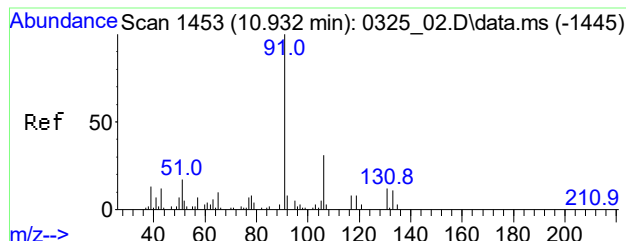
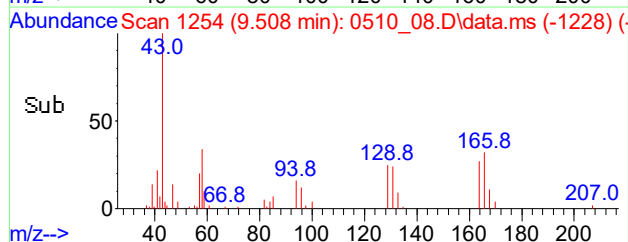
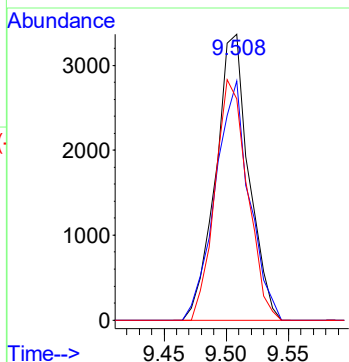
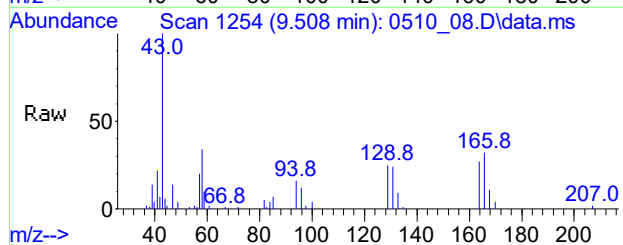
Tgt Ion: 91 Resp: 15614
Ion Ratio Lower Upper
91 100
92 56.6 47.4 71.2
65 14.8 10.2 15.4





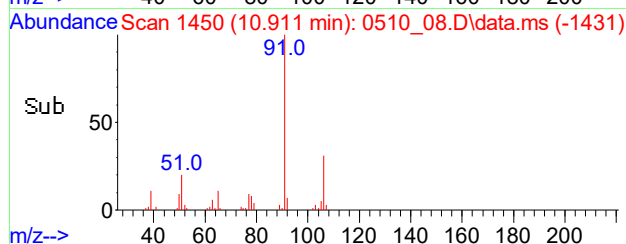
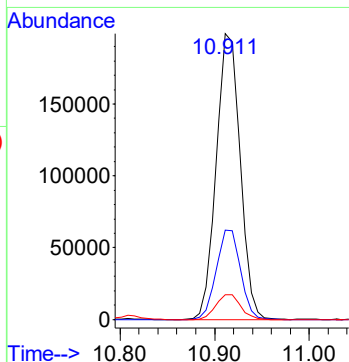
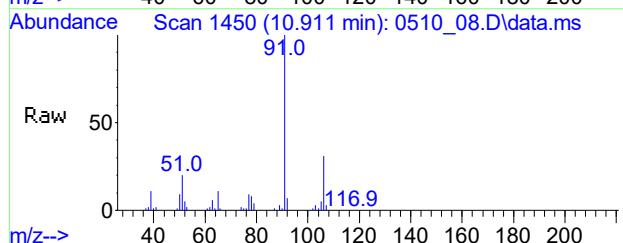
#52
Tetrachloroethene
Conc: 8\$ 0.250 ppbv
RT: 9.508 min Scan# 1254
Delta R.T. -0.015 min
Lab File: 0510_08.D
Acq: 10 May 2021 11:04 am

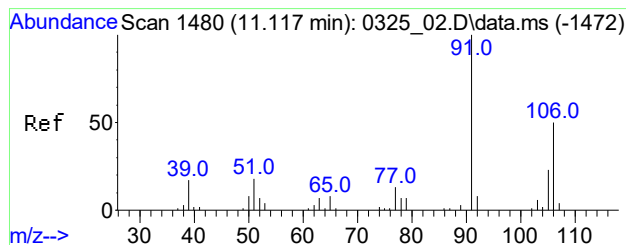
Tgt Ion: 166 Resp: 6159
Ion Ratio Lower Upper
166 100
164 86.0 63.2 94.8
129 82.0 56.9 85.3



#56
Ethylbenzene
Conc: 8\$ 6.212 ppbv
RT: 10.911 min Scan# 1450
Delta R.T. -0.021 min
Lab File: 0510_08.D
Acq: 10 May 2021 11:04 am

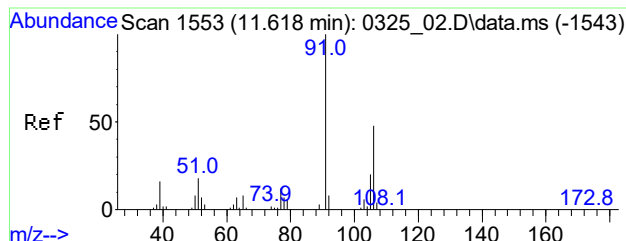
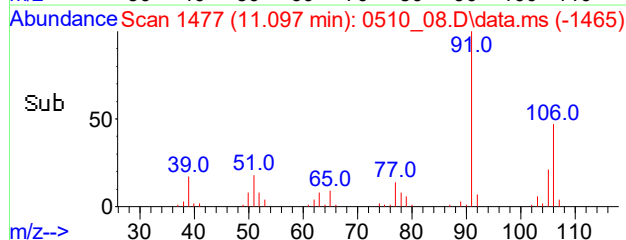
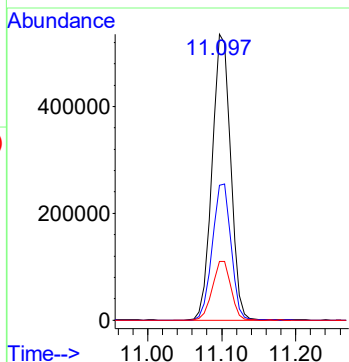
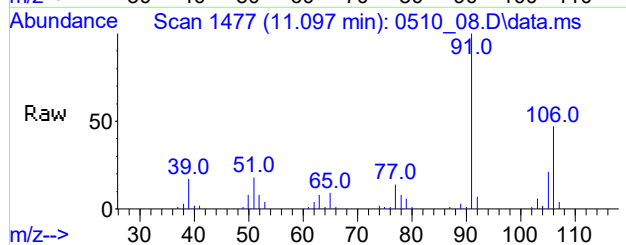
Tgt Ion: 91 Resp: 347040
Ion Ratio Lower Upper
91 100
106 31.6 17.7 57.7
77 9.0 0.0 32.7





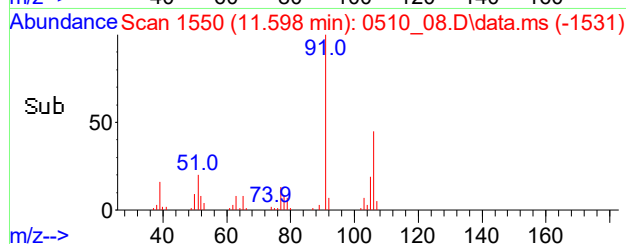
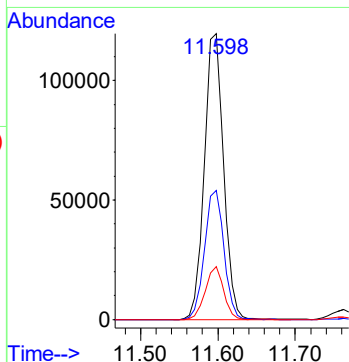
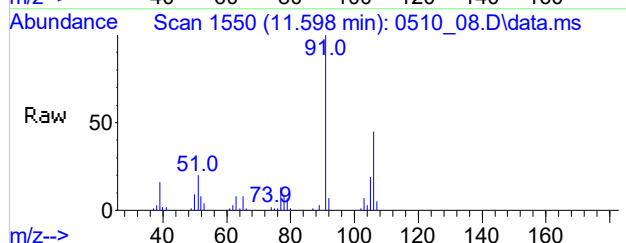
#57
m,p-Xylene
Conc: 8\$ 21.732 ppbv
RT: 11.097 min Scan# 1477
Delta R.T. -0.020 min
Lab File: 0510_08.D
Acq: 10 May 2021 11:04 am

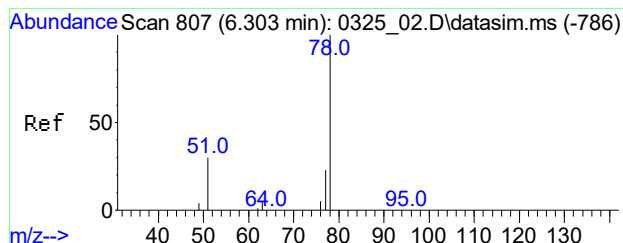
Tgt Ion	Ratio	Lower	Upper
91	100		
106	48.1	39.4	59.2
105	20.6	16.8	25.2



#61
o-Xylene
Conc: 8\$ 4.450 ppbv
RT: 11.598 min Scan# 1550
Delta R.T. -0.020 min
Lab File: 0510_08.D
Acq: 10 May 2021 11:04 am

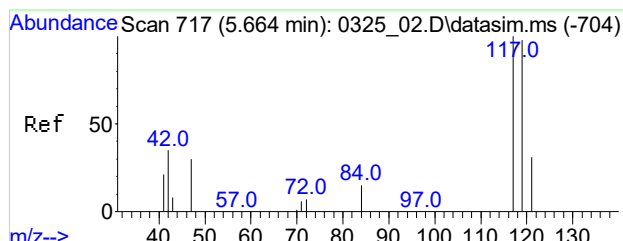
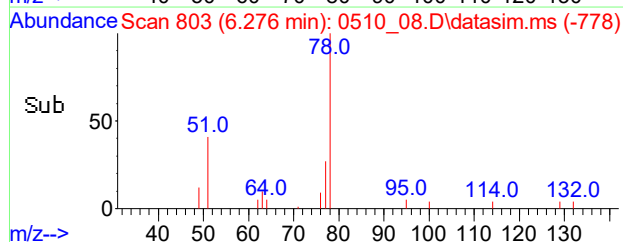
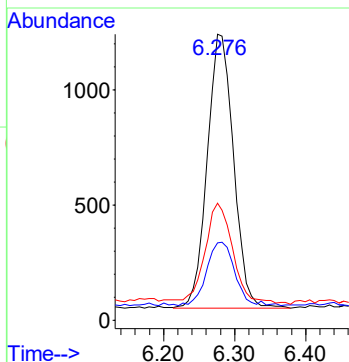
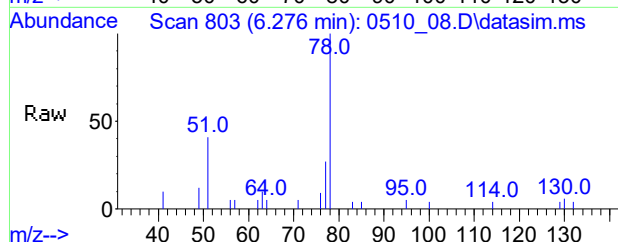
Tgt Ion	Ratio	Lower	Upper
91	100		
106	45.6	37.5	56.3
105	17.6	13.5	20.3





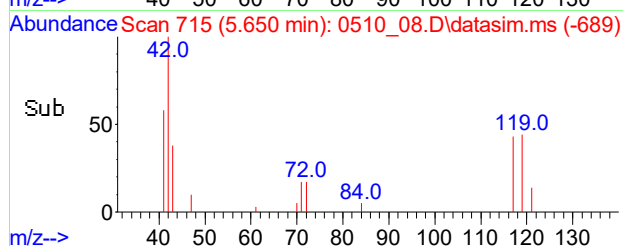
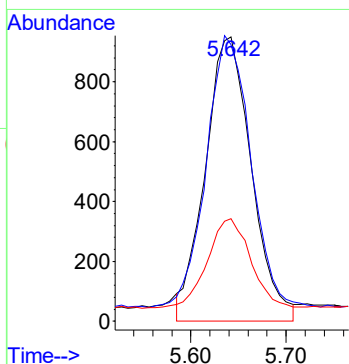
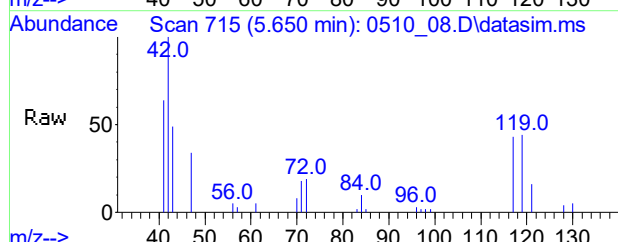
#86
Benzene(sim)
Conc: 8\$ 0.078 ppbv
RT: 6.276 min Scan# 803
Delta R.T. -0.027 min
Lab File: 0510_08.D
Acq: 10 May 2021 11:04 am

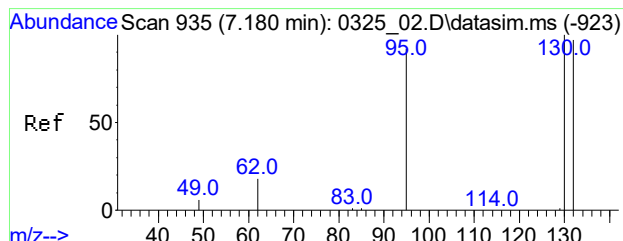
Tgt Ion: 78 Resp: 3050
Ion Ratio Lower Upper
78 100
77 23.9 18.6 28.0
51 37.5 25.4 38.2



#87
Carbon Tetrachloride(sim)
Conc: 8\$ 0.071 ppbv
RT: 5.647 min Scan# 715
Delta R.T. -0.014 min
Lab File: 0510_08.D
Acq: 10 May 2021 11:04 am

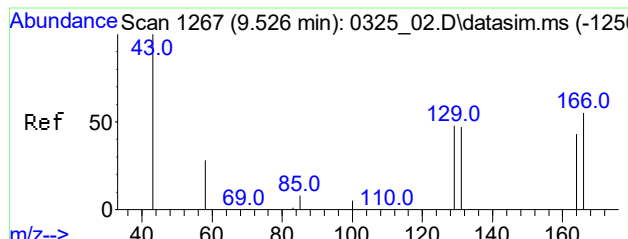
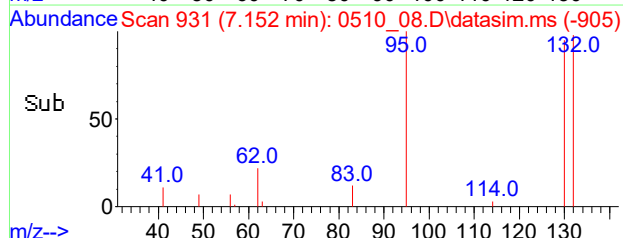
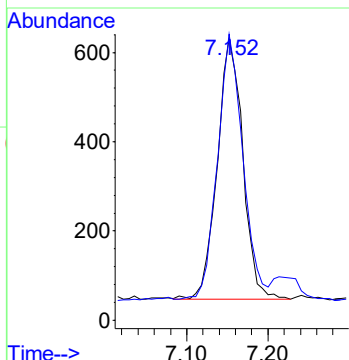
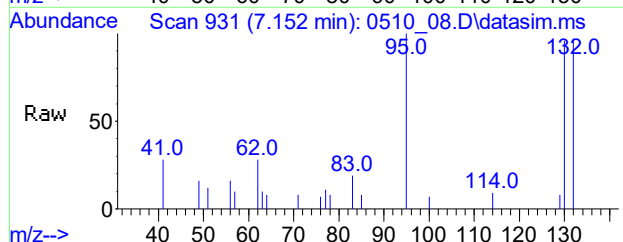
Tgt Ion: 117 Resp: 2518
Ion Ratio Lower Upper
117 100
119 105.6 84.7 127.1
121 22.0 21.1 31.7





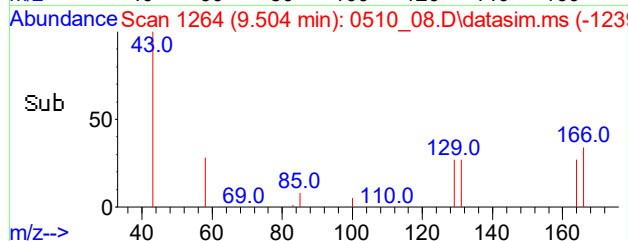
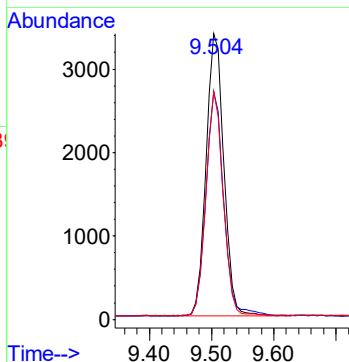
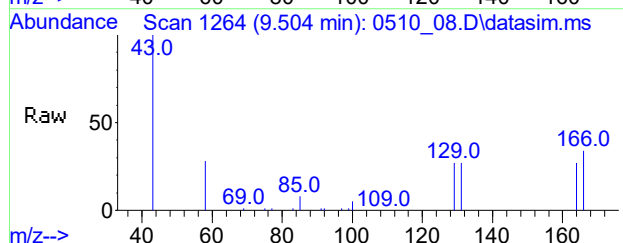
#98
Trichloroethene(sim)
Conc: 8\$ 0.066 ppbv
RT: 7.152 min Scan# 931
Delta R.T. -0.021 min
Lab File: 0510_08.D
Acq: 10 May 2021 11:04 am

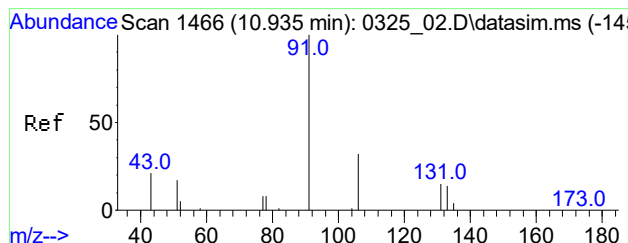
Tgt Ion:130 Resp: 1279
Ion Ratio Lower Upper
130 100
132 101.3 80.8 121.2



#104
Tetrachloroethene(sim)
Conc: 8\$ 0.250 ppbv
RT: 9.504 min Scan# 1264
Delta R.T. -0.022 min
Lab File: 0510_08.D
Acq: 10 May 2021 11:04 am

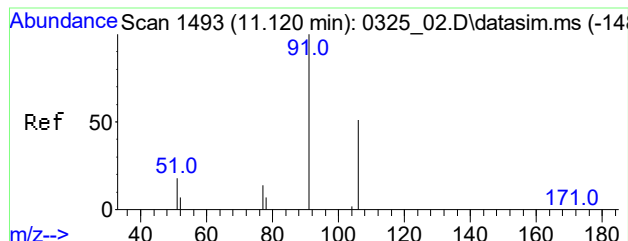
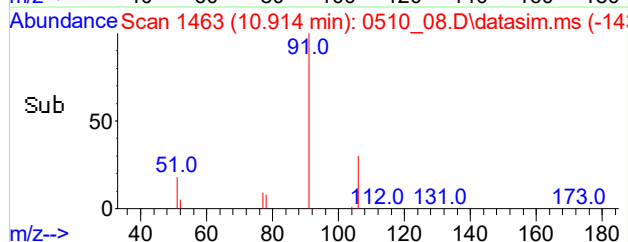
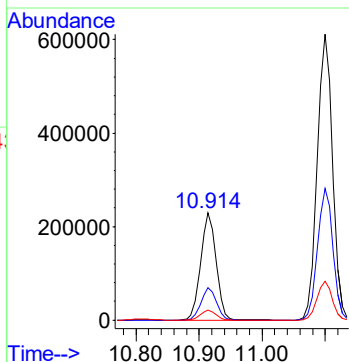
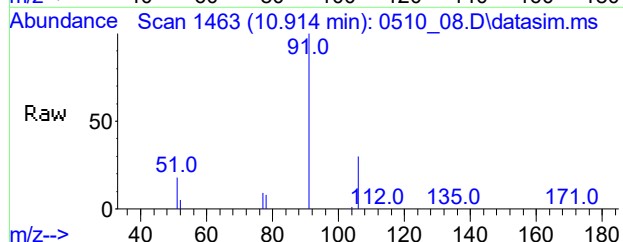
Tgt Ion:166 Resp: 6605
Ion Ratio Lower Upper
166 100
164 80.4 58.0 98.0
129 77.0 54.2 94.2





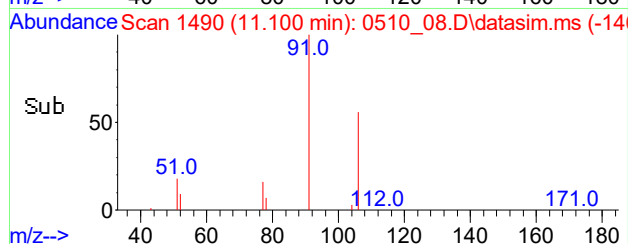
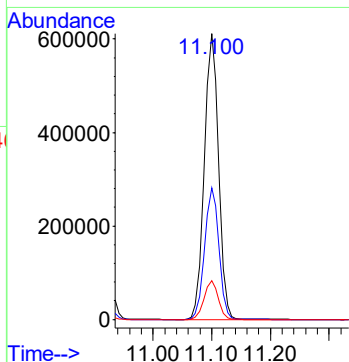
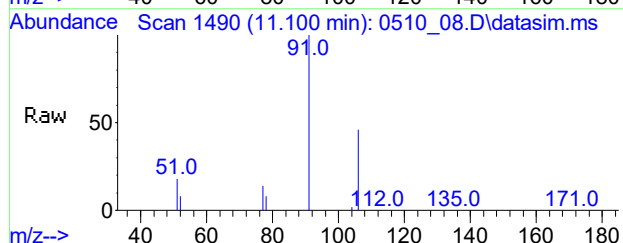
#108
Ethylbenzene(sim)
Conc: 8\$ 5.922 ppb
RT: 10.914 min Scan# 1463
Delta R.T. -0.021 min
Lab File: 0510_08.D
Acq: 10 May 2021 11:04 am

Tgt Ion: 91 Resp: 389041
Ion Ratio Lower Upper
91 100
106 30.2 24.8 37.2
77 8.9 7.5 11.3



#109
m,p-Xylene(sim)
Conc: 8\$ 20.985 ppbv
RT: 11.097 min Scan# 1490
Delta R.T. -0.020 min
Lab File: 0510_08.D
Acq: 10 May 2021 11:04 am

Tgt Ion: 91 Resp: 928735
Ion Ratio Lower Upper
91 100
106 48.1 44.4 54.2
77 13.4 11.7 17.5



Client: WALDENE-IPARK Lab: Phoenix Env. Labs

Lab Sample ID: CI26494

Lab File ID: 0510_10.DDate Received: 05/07/21Date Analyzed: 05/10/21Dilution Factor: 1

ppbv

FORM I AIR

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Data Path : H:\AIR2021\CHEM24\05MAY\10\
 Data File : 0510_10.D
 Acq On : 10 May 2021 12:27 pm
 Operator : Keith
 Client ID : SC-DUP
 Lab ID : CI26494
 ALS Vial : 10 Sample Multiplier: 1

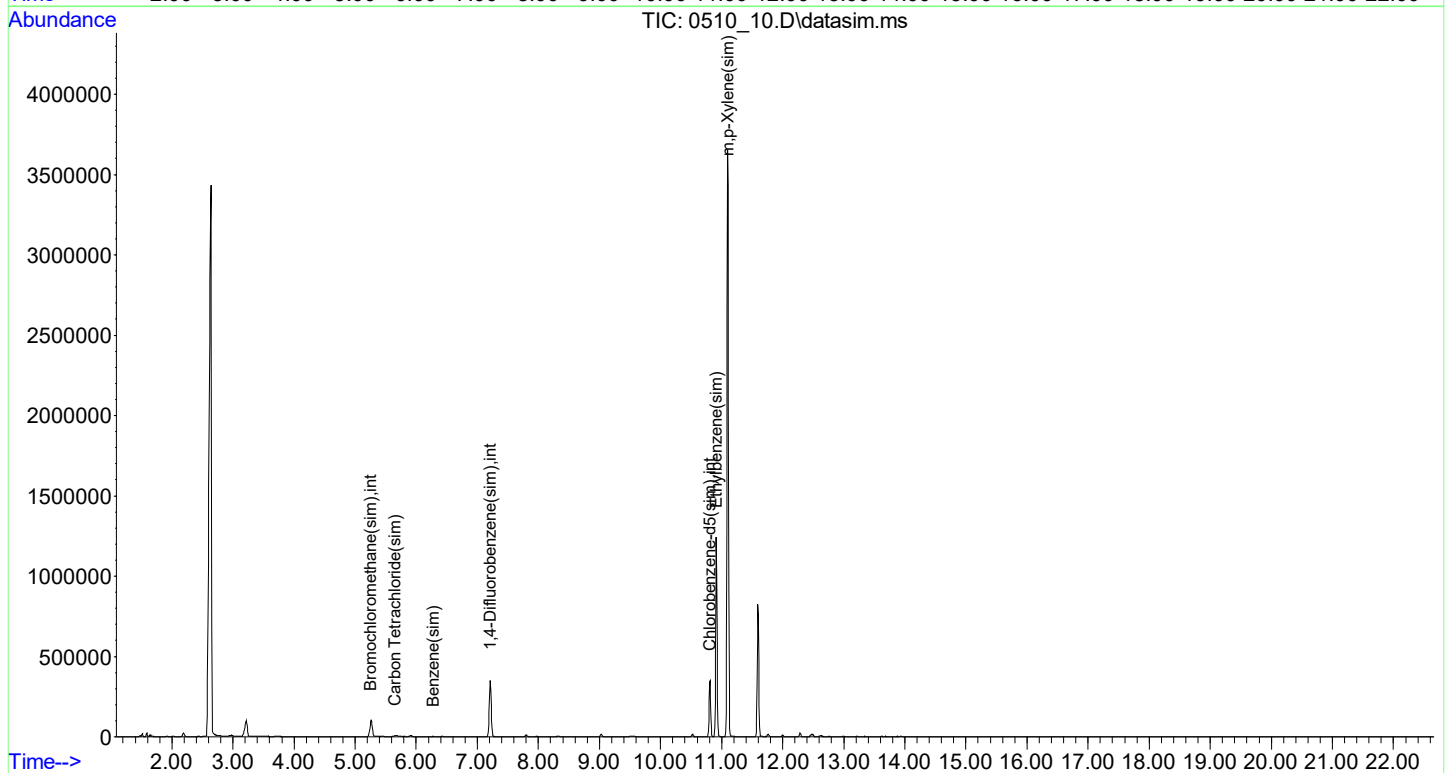
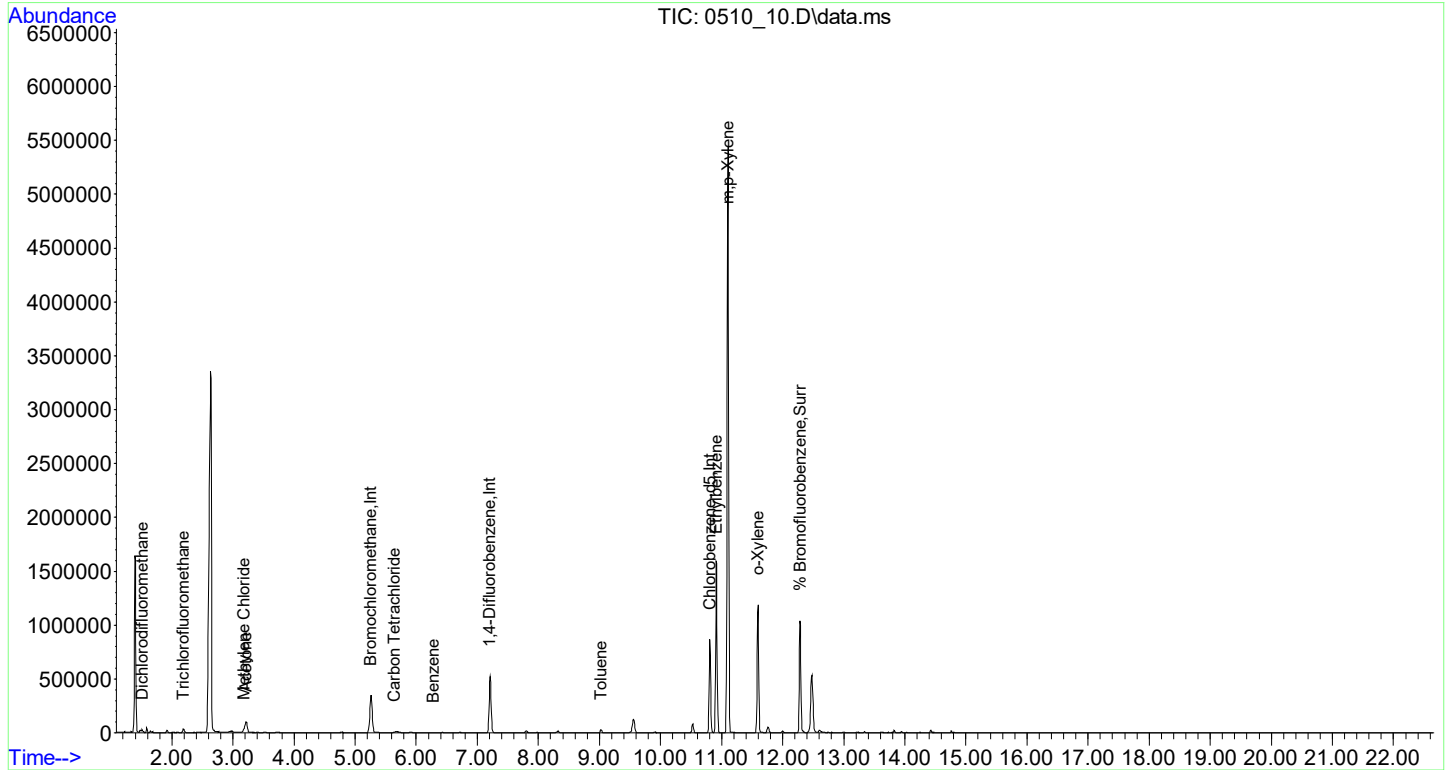
Quant Time: May 10 13:40:58 2021
 Quant Method : H:\AIR2021\CHEM24\METHODS\24AIR_0421.M
 Quant Title : VOA Standards for 5 point calibration
 QLast Update : Thu Apr 22 08:23:13 2021
 Response via : Initial Calibration

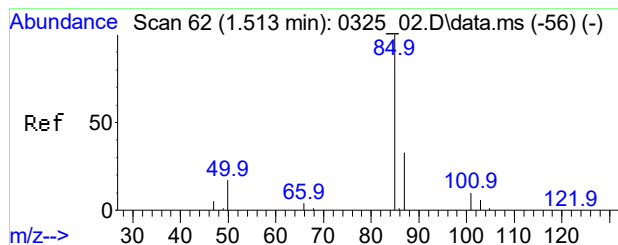
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	5.257	130	132500	10.000	ng	-0.04
36) 1,4-Difluorobenzene	7.211	114	421054	10.000	ng	-0.03
53) Chlorobenzene-d5	10.808	82	223428	10.000	ng	-0.02
80) Bromochloromethane(sim)	5.260	130	138087	10.000	ng	#-0.03
95) 1,4-Difluorobenzene(sim)	7.211	114	421054	10.000	ng	-0.03
105) Chlorobenzene-d5(sim)	10.808	82	223428	10.000	ng	-0.02
System Monitoring Compounds						
62) % Bromofluorobenzene	12.283	95	323200	10.314	ppbv	-0.02
Spiked Amount	10.000	Range	70 - 130	Recovery	=	103.10%
Target Compounds						
						Qvalue
3) Dichlorodifluoromethane	1.512	85	12197	0.415	ppbv	94
12) Acetone	3.217	43	113226	3.271	ppbv	99
13) Trichlorofluoromethane	2.184	101	13482	0.389	ppbv	95
17) Methylene Chloride	3.176	49	10634	0.452	ppbv	89
33) Benzene	6.286	78	1818	0.058	ppbv	91
34) Carbon Tetrachloride	5.647	117	2521	0.077	ppbv	94
48) Toluene	9.024	91	17903	0.459	ppbv	98
56) Ethylbenzene	10.918	91	1049791	18.989	ppbv	90
57) m,p-Xylene	11.104	91	2858838	67.641	ppbv	98
61) o-Xylene	11.598	91	649531	14.196	ppbv	99
86] Benzene(sim)	6.282	78	1915	0.050	ppbv	94
87] Carbon Tetrachloride(sim)	5.647	117	2279	0.066	ppbv#	80
108] Ethylbenzene(sim)	10.914	91	1174704	18.070	ppb	99
109] m,p-Xylene(sim)	11.104	91	2860353	65.317	ppbv	97

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

Data Path : H:\AIR2021\CHEM24\05MAY\10\
Data File : 0510_10.D
Acq On : 10 May 2021 12:27 pm
Operator : Keith
Client ID : SC-DUP
Lab ID : CI26494
ALS Vial : 10 Sample Multiplier: 1

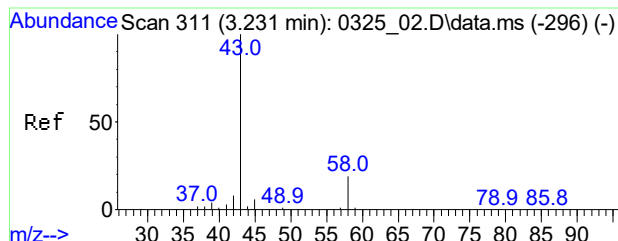
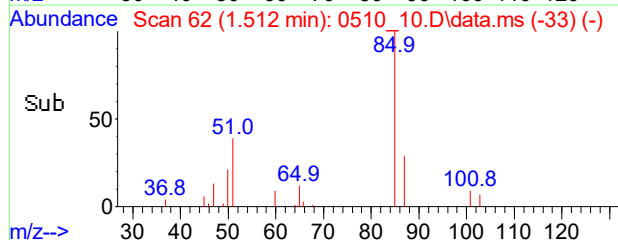
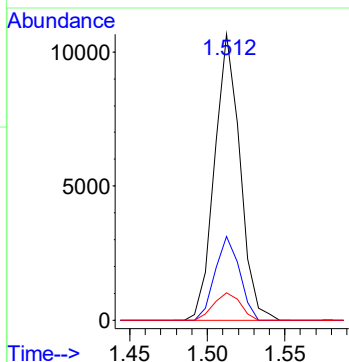
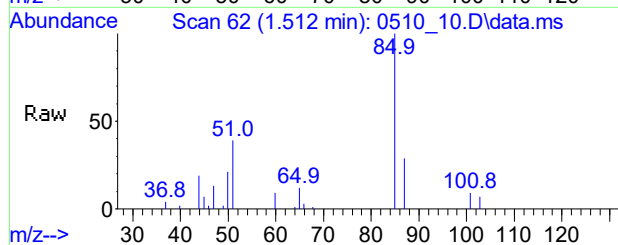
Quant Time: May 10 13:40:58 2021
Quant Method : H:\AIR2021\CHEM24\METHODS\24AIR_0421.M
Quant Title : VOA Standards for 5 point calibration
QLast Update : Thu Apr 22 08:23:13 2021
Response via : Initial Calibration





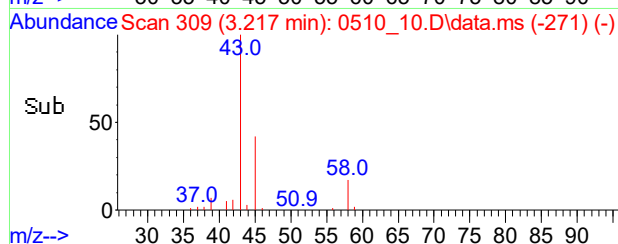
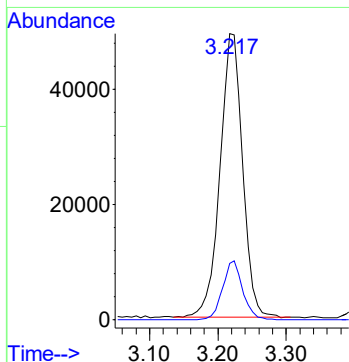
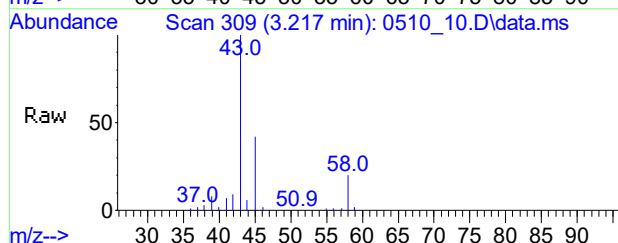
#3
Dichlorodifluoromethane
Conc: 8% 0.415 ppbv
RT: 1.512 min Scan# 62
Delta R.T. -0.001 min
Lab File: 0510_10.D
Acq: 10 May 2021 12:27 pm

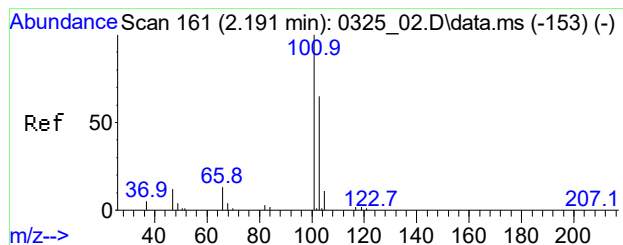
Tgt Ion: 85 Resp: 12197
Ion Ratio Lower Upper
85 100
87 28.1 25.8 38.8
101 9.9 7.3 10.9



#12
Acetone
Conc: 8% 3.271 ppbv
RT: 3.217 min Scan# 309
Delta R.T. -0.041 min
Lab File: 0510_10.D
Acq: 10 May 2021 12:27 pm

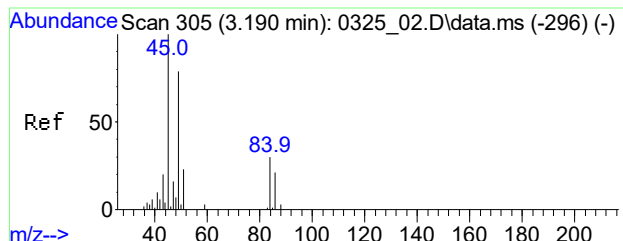
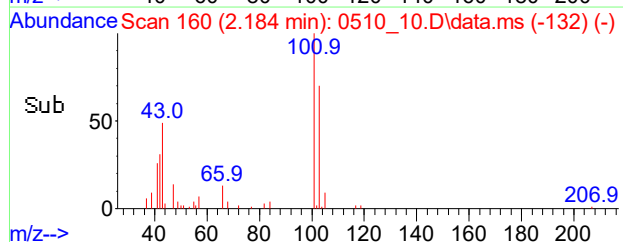
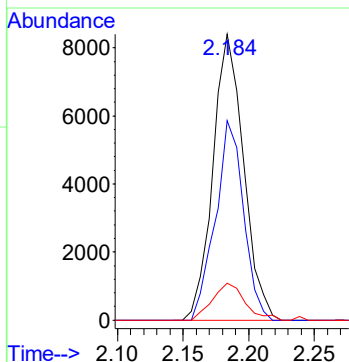
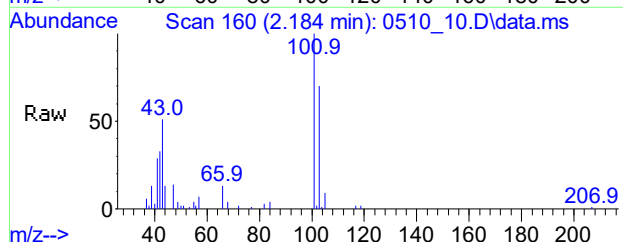
Tgt Ion: 43 Resp: 113226
Ion Ratio Lower Upper
43 100
58 18.3 15.0 22.4





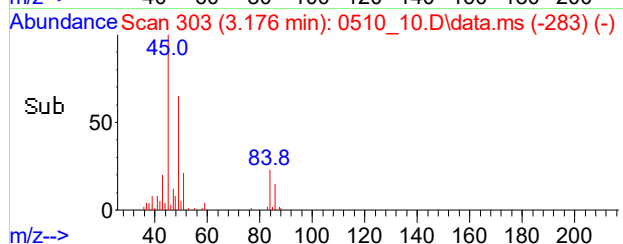
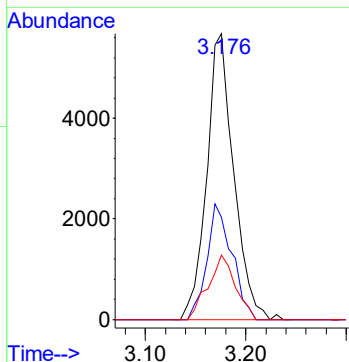
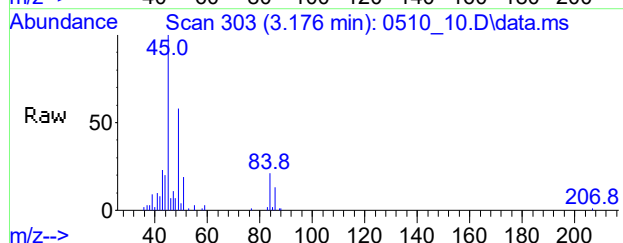
#13
Trichlorofluoromethane
Conc: 8\$ 0.389 ppbv
RT: 2.184 min Scan# 160
Delta R.T. -0.007 min
Lab File: 0510_10.D
Acq: 10 May 2021 12:27 pm

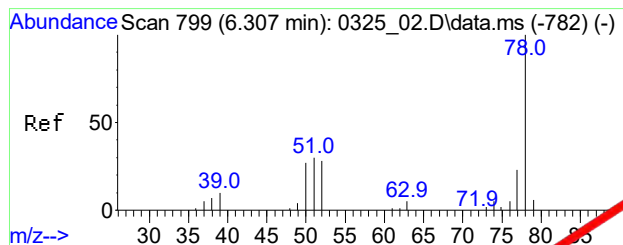
Tgt Ion	Ratio	Lower	Upper
101	100		
103	63.8	54.6	82.0
66	13.7	12.2	18.4



#17
Methylene Chloride
Conc: 8\$ 0.452 ppbv
RT: 3.176 min Scan# 303
Delta R.T. -0.014 min
Lab File: 0510_10.D
Acq: 10 May 2021 12:27 pm

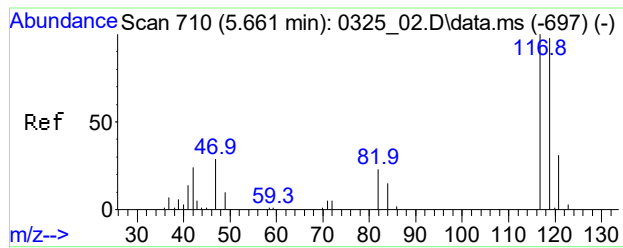
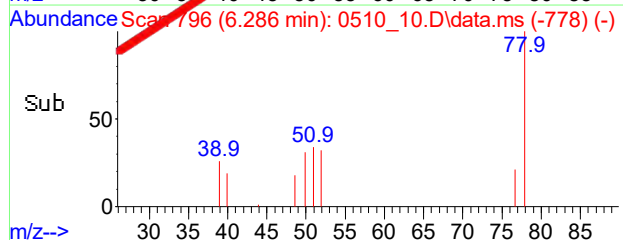
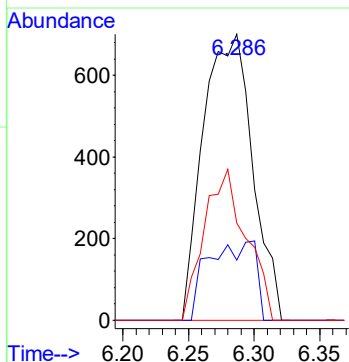
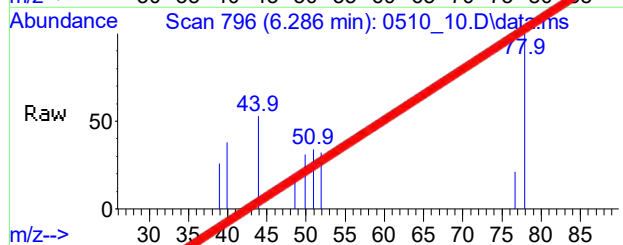
Tgt Ion	Ratio	Lower	Upper
49	100		
84	37.4	36.2	54.2
86	22.7	22.3	33.5





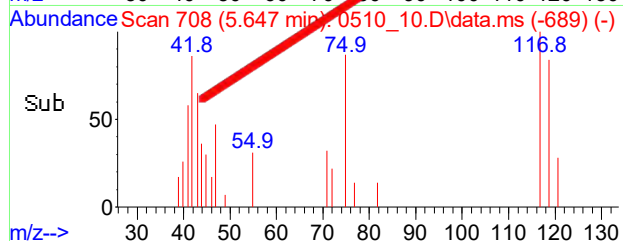
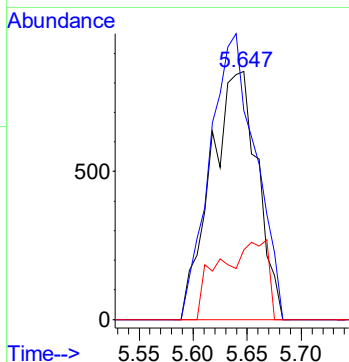
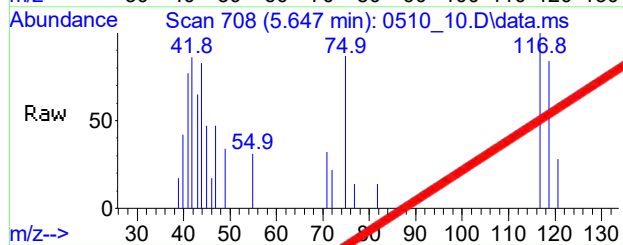
#33
Benzene
Conc: 8% Below Cal
RT: 6.286 min Scan# 796
Delta R.T. -0.028 min
Lab File: 0510_10.D
Acq: 10 May 2021 12:27 pm

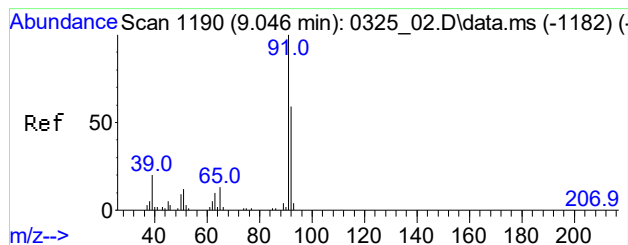
Tgt Ion	Ratio	Lower	Upper
78	100		
77	26.4	19.1	28.7
51	44.8	30.3	45.5



#34
Carbon Tetrachloride
Conc: 8% Below Cal
RT: 5.647 min Scan# 708
Delta R.T. -0.014 min
Lab File: 0510_10.D
Acq: 10 May 2021 12:27 pm

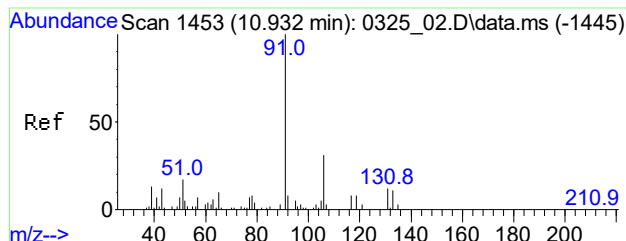
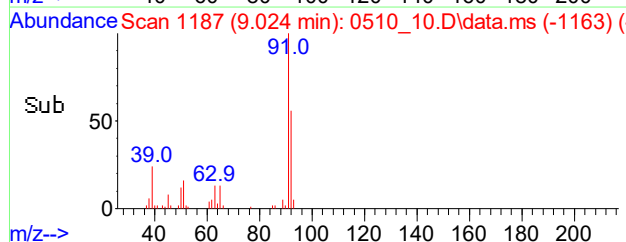
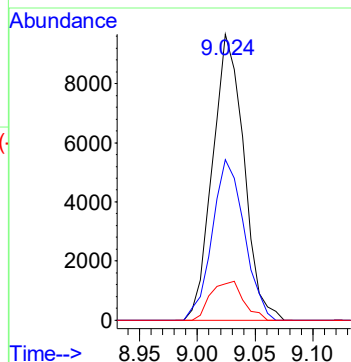
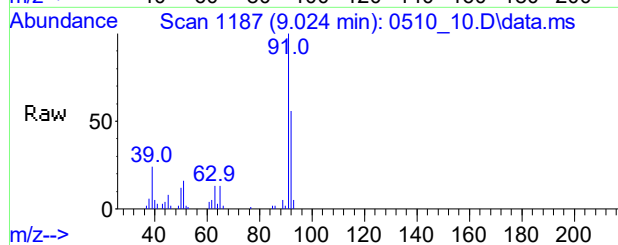
Tgt Ion	Ratio	Lower	Upper
117	100		
119	112.2	85.1	125.1
121	33.0	11.0	51.0





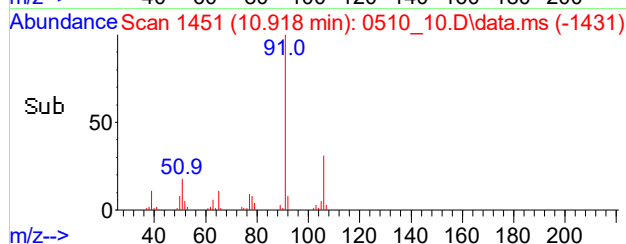
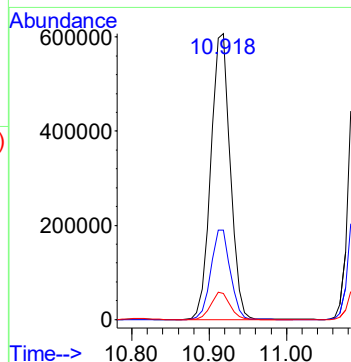
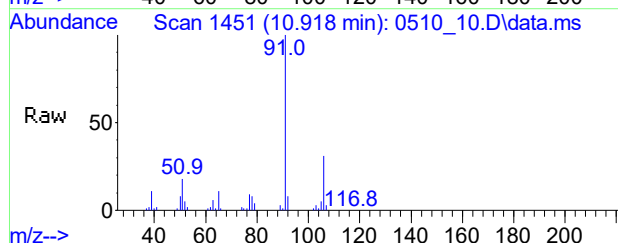
#48
Toluene
Conc: 8\$ 0.459 ppbv
RT: 9.024 min Scan# 1187
Delta R.T. -0.029 min
Lab File: 0510_10.D
Acq: 10 May 2021 12:27 pm

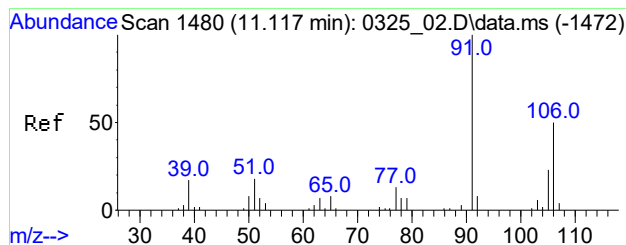
Tgt Ion: 91 Resp: 17903
Ion Ratio Lower Upper
91 100
92 57.8 47.4 71.2
65 14.3 10.2 15.4



#56
Ethylbenzene
Conc: 8\$ 18.989 ppbv
RT: 10.918 min Scan# 1451
Delta R.T. -0.014 min
Lab File: 0510_10.D
Acq: 10 May 2021 12:27 pm

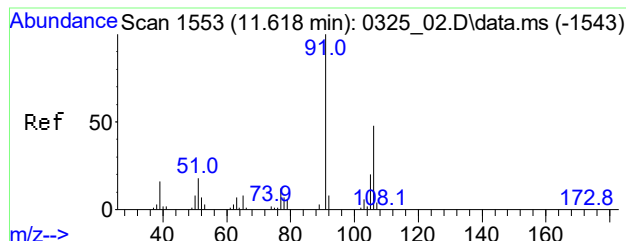
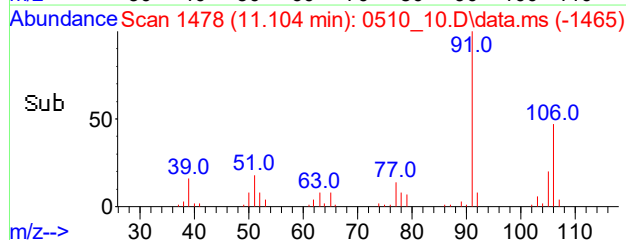
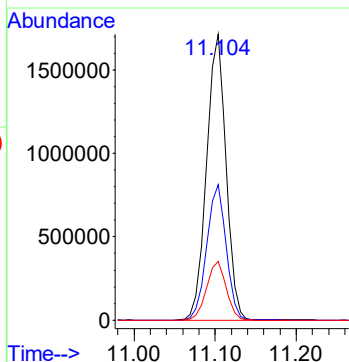
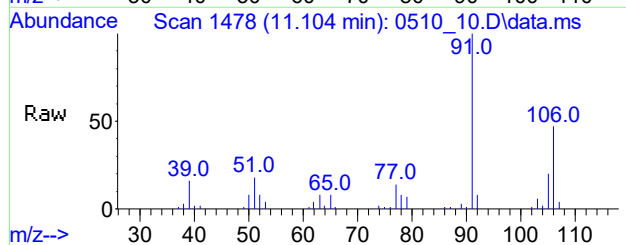
Tgt Ion: 91 Resp: 1049791
Ion Ratio Lower Upper
91 100
106 31.4 17.7 57.7
77 9.4 0.0 32.7





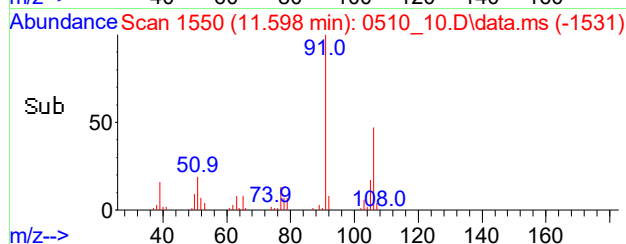
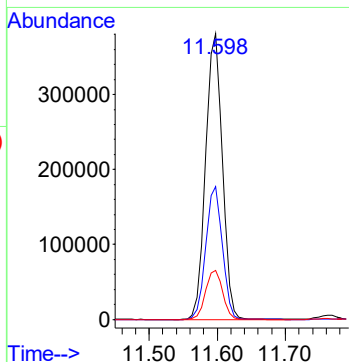
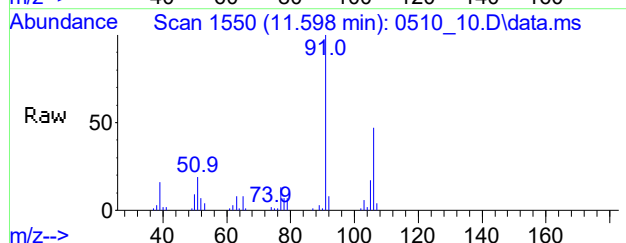
#57
m,p-Xylene
Conc: 8\$ 67.641 ppbv
RT: 11.104 min Scan# 1478
Delta R.T. -0.013 min
Lab File: 0510_10.D
Acq: 10 May 2021 12:27 pm

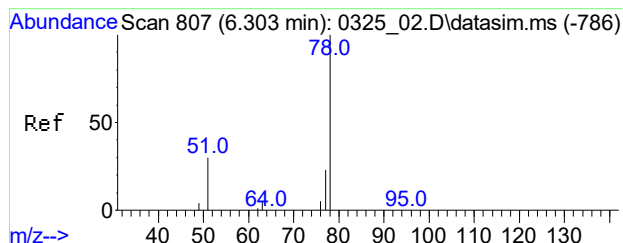
Tgt Ion: 91 Resp: 2858838
Ion Ratio Lower Upper
91 100
106 47.3 39.4 59.2
105 20.7 16.8 25.2



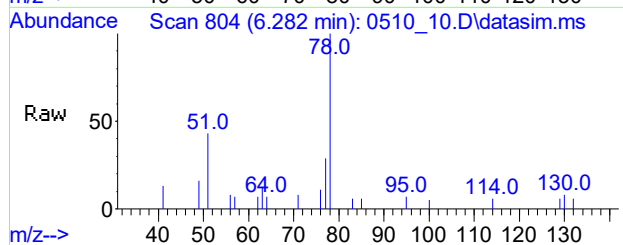
#61
o-Xylene
Conc: 8\$ 14.196 ppbv
RT: 11.598 min Scan# 1550
Delta R.T. -0.020 min
Lab File: 0510_10.D
Acq: 10 May 2021 12:27 pm

Tgt Ion: 91 Resp: 649531
Ion Ratio Lower Upper
91 100
106 46.0 37.5 56.3
105 17.5 13.5 20.3

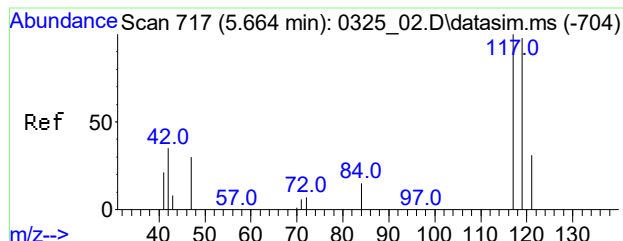
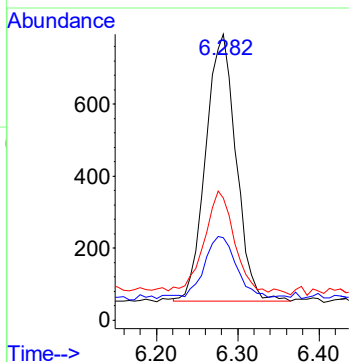
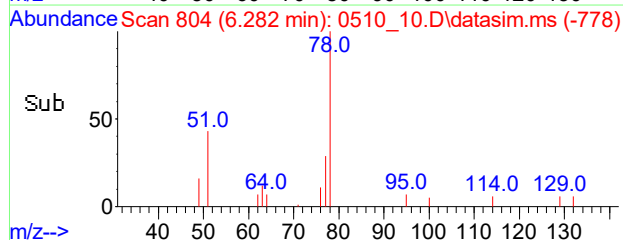




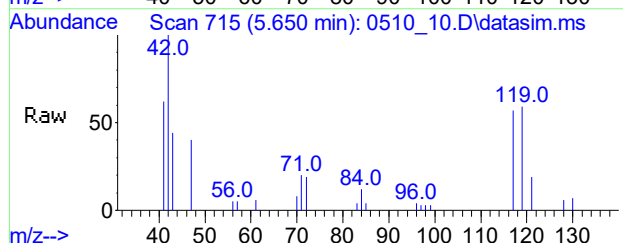
#86
Benzene(sim)
Conc: 8\$ 0.050 ppbv
RT: 6.282 min Scan# 804
Delta R.T. -0.021 min
Lab File: 0510_10.D
Acq: 10 May 2021 12:27 pm



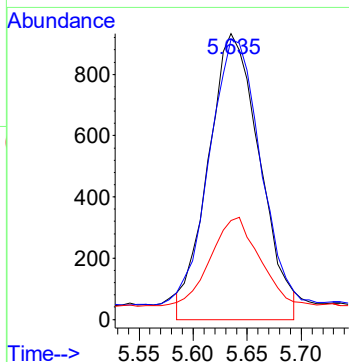
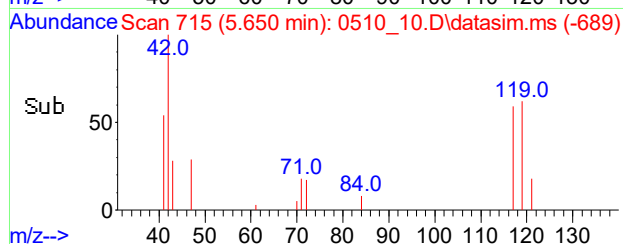
Tgt Ion: 78 Resp: 1915
Ion Ratio Lower Upper
78 100
77 22.8 18.6 28.0
51 36.9 25.4 38.2

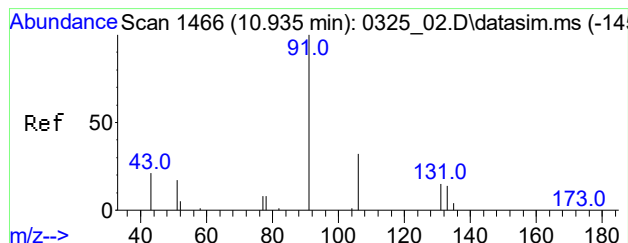


#87
Carbon Tetrachloride(sim)
Conc: 8\$ 0.066 ppbv
RT: 5.647 min Scan# 715
Delta R.T. -0.014 min
Lab File: 0510_10.D
Acq: 10 May 2021 12:27 pm



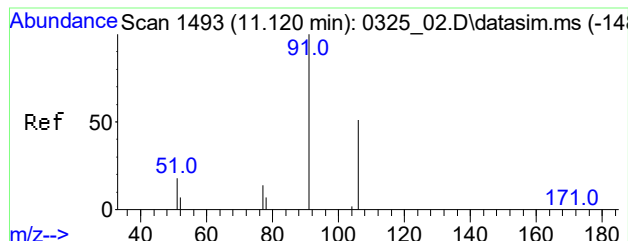
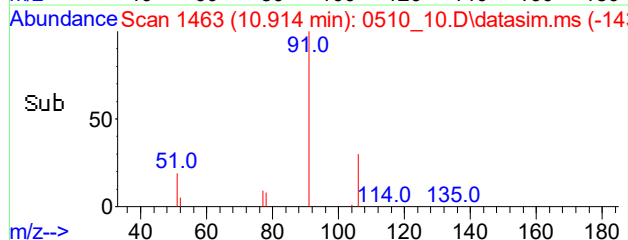
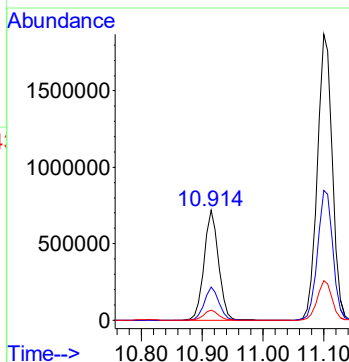
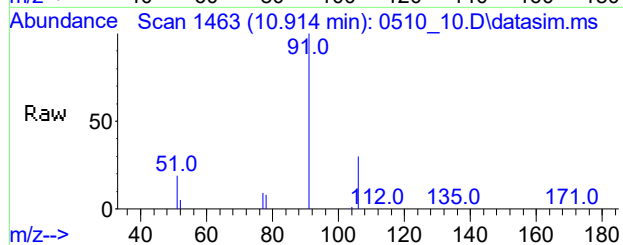
Tgt Ion: 117 Resp: 2279
Ion Ratio Lower Upper
117 100
119 124.1 84.7 127.1
121 10.5 21.1 31.7#





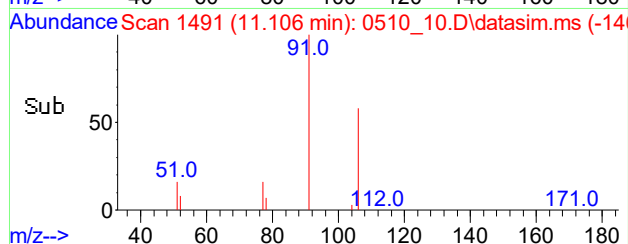
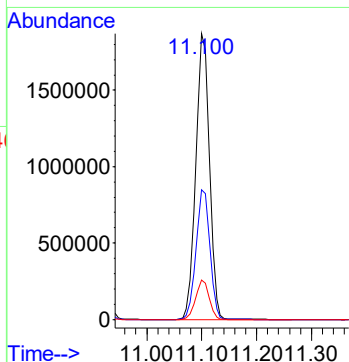
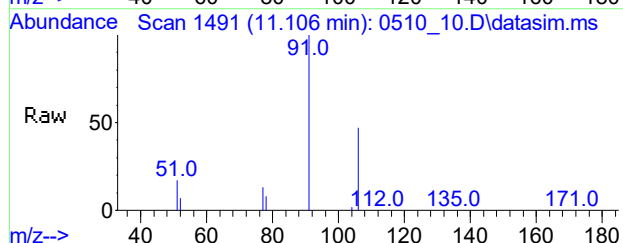
#108
Ethylbenzene(sim)
Conc: 8\$ 18.070 ppb
RT: 10.914 min Scan# 1463
Delta R.T. -0.021 min
Lab File: 0510_10.D
Acq: 10 May 2021 12:27 pm

Tgt Ion: 91 Resp: 1174704
Ion Ratio Lower Upper
91 100
106 30.2 24.8 37.2
77 9.1 7.5 11.3



#109
m,p-Xylene(sim)
Conc: 8\$ 65.317 ppbv
RT: 11.104 min Scan# 1491
Delta R.T. -0.013 min
Lab File: 0510_10.D
Acq: 10 May 2021 12:27 pm

Tgt Ion: 91 Resp: 2860353
Ion Ratio Lower Upper
91 100
106 47.3 44.4 54.2
77 13.7 11.7 17.5



Client: WALDENE-IPARK Lab: Phoenix Env. Labs

SC-FB

SDG No.: GC|26486

Lab Sample ID: CI26495

Canister: 216

Lab File ID: 0510 11.D

Instrument: CHEM24 Column: RTX-VMS

Date Received: 05/07/21

Purge Volume	200	(cc)

Date Analyzed: 05/10/21

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:\AIR2021\CHEM24\05MAY\10\
 Data File : 0510_11.D
 Acq On : 10 May 2021 1:08 pm
 Operator : Keith
 Client ID : SC-FB
 Lab ID : CI26495
 ALS Vial : 11 Sample Multiplier: 1

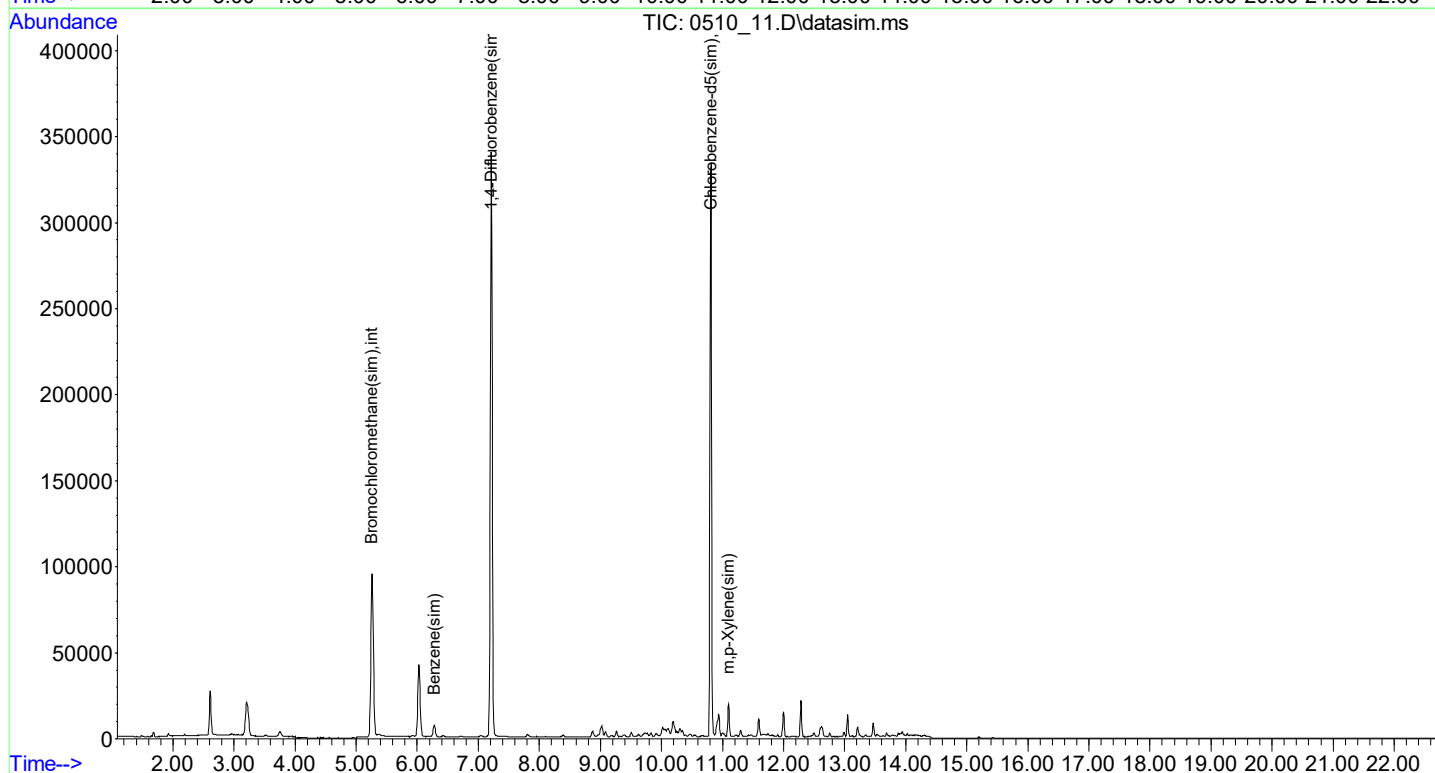
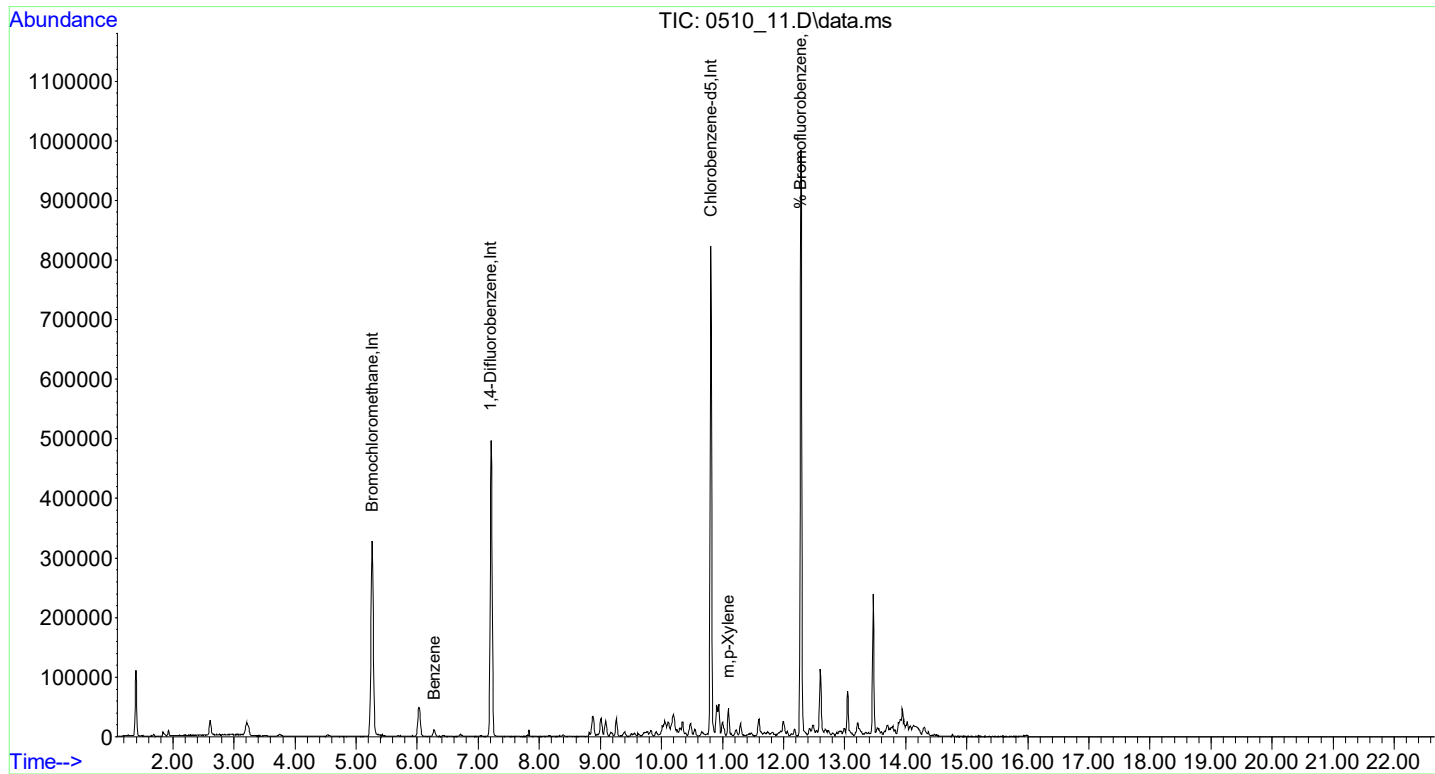
Quant Time: May 10 13:41:22 2021
 Quant Method : H:\AIR2021\CHEM24\METHODS\24AIR_0421.M
 Quant Title : VOA Standards for 5 point calibration
 QLast Update : Thu Apr 22 08:23:13 2021
 Response via : Initial Calibration

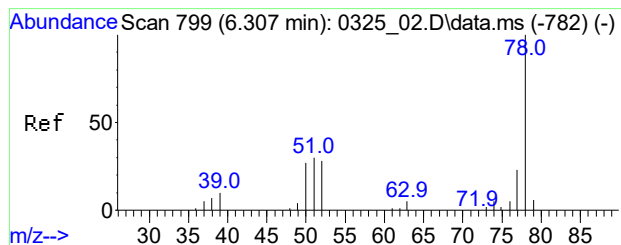
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	5.265	130	125538	10.000	ng	-0.03
36) 1,4-Difluorobenzene	7.211	114	406028	10.000	ng	-0.03
53) Chlorobenzene-d5	10.808	82	213361	10.000	ng	-0.02
80) Bromochloromethane(sim)	5.260	130	131268	10.000	ng	#-0.03
95) 1,4-Difluorobenzene(sim)	7.211	114	406028	10.000	ng	-0.03
105) Chlorobenzene-d5(sim)	10.808	82	213361	10.000	ng	-0.02
System Monitoring Compounds						
62) % Bromofluorobenzene	12.283	95	297684	9.948	ppbv	-0.02
Spiked Amount	10.000	Range	70 - 130	Recovery	=	99.50%
Target Compounds						
					Qvalue	
33) Benzene	6.280	78	9066	0.304	ppbv	96
57) m,p-Xylene	11.097	91	12806	0.317	ppbv	95
86] Benzene(sim)	6.282	78	9786	0.271	ppbv	96
109] m,p-Xylene(sim)	11.097	91	12806	0.306	ppbv	95

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

Data Path : H:\AIR2021\CHEM24\05MAY\10\
Data File : 0510_11.D
Acq On : 10 May 2021 1:08 pm
Operator : Keith
Client ID : SC-FB
Lab ID : CI26495
ALS Vial : 11 Sample Multiplier: 1

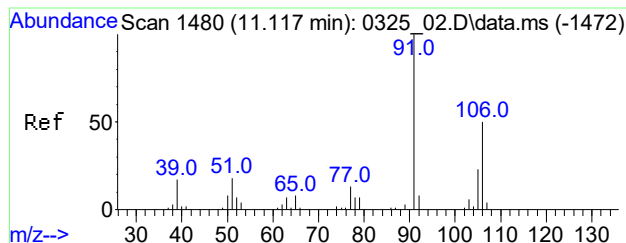
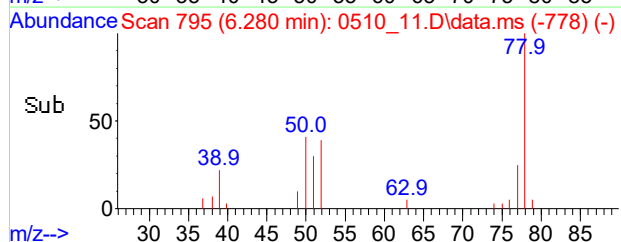
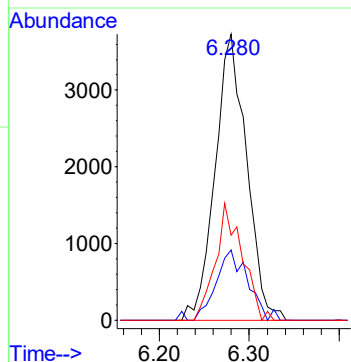
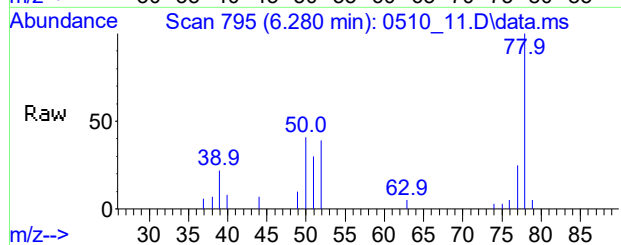
Quant Time: May 10 13:41:22 2021
Quant Method : H:\AIR2021\CHEM24\METHODS\24AIR_0421.M
Quant Title : VOA Standards for 5 point calibration
QLast Update : Thu Apr 22 08:23:13 2021
Response via : Initial Calibration





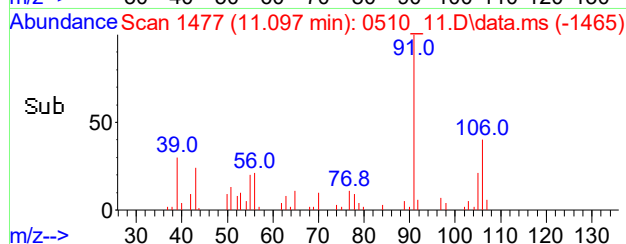
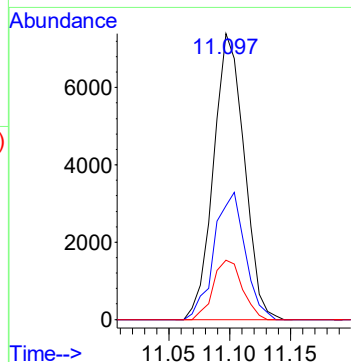
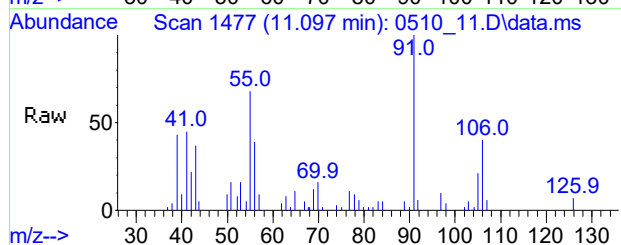
#33
Benzene
Conc: 8\$ 0.304 ppbv
RT: 6.280 min Scan# 795
Delta R.T. -0.034 min
Lab File: 0510_11.D
Acq: 10 May 2021 1:08 pm

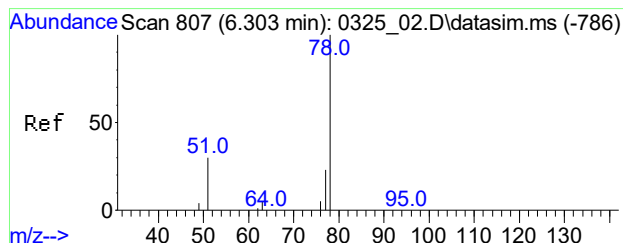
Tgt Ion: 78	Resp:	9066
Ion Ratio	Lower	Upper
78	100	
77	24.8	19.1 28.7
51	34.9	30.3 45.5



#57
m,p-Xylene
Conc: 8\$ 0.317 ppbv
RT: 11.097 min Scan# 1477
Delta R.T. -0.020 min
Lab File: 0510_11.D
Acq: 10 May 2021 1:08 pm

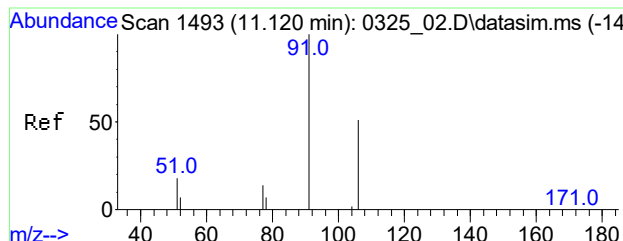
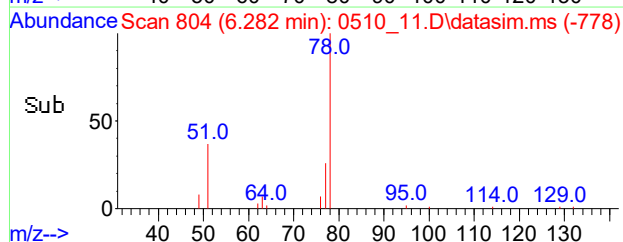
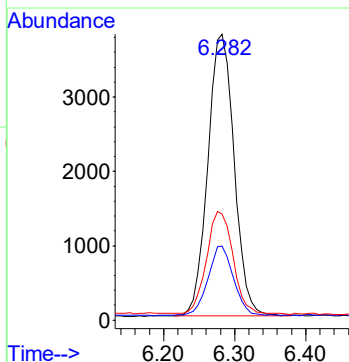
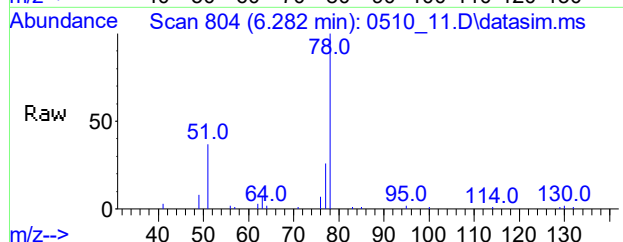
Tgt Ion: 91	Resp:	12806
Ion Ratio	Lower	Upper
91	100	
106	45.1	39.4 59.2
105	19.7	16.8 25.2





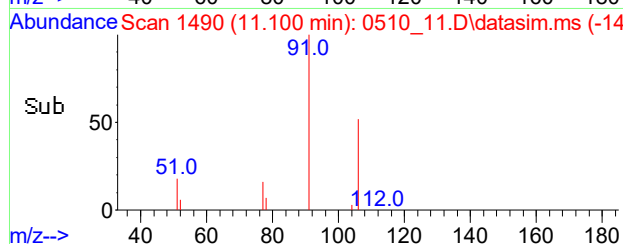
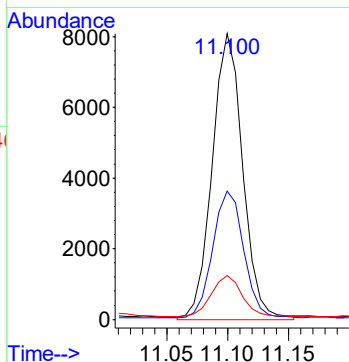
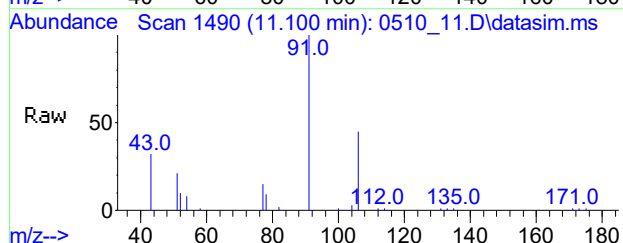
#86
Benzene(sim)
Conc: 8\$ 0.271 ppbv
RT: 6.282 min Scan# 804
Delta R.T. -0.021 min
Lab File: 0510_11.D
Acq: 10 May 2021 1:08 pm

Tgt Ion: 78 Resp: 9786
Ion Ratio Lower Upper
78 100
77 23.6 18.6 28.0
51 35.8 25.4 38.2



#109
m,p-Xylene(sim)
Conc: 8\$ 0.306 ppbv
RT: 11.097 min Scan# 1490
Delta R.T. -0.020 min
Lab File: 0510_11.D
Acq: 10 May 2021 1:08 pm

Tgt Ion: 91 Resp: 12806
Ion Ratio Lower Upper
91 100
106 45.1 44.4 54.2
77 14.9 11.7 17.5



Data Path : H:\AIR2021\CHEM24\05MAY\10\
 Data File : 0510_12.D
 Acq On : 10 May 2021 1:49 pm
 Operator : Keith
 Client ID : SCSSV-06
 Lab ID : CI26496
 ALS Vial : 12 Sample Multiplier: 1

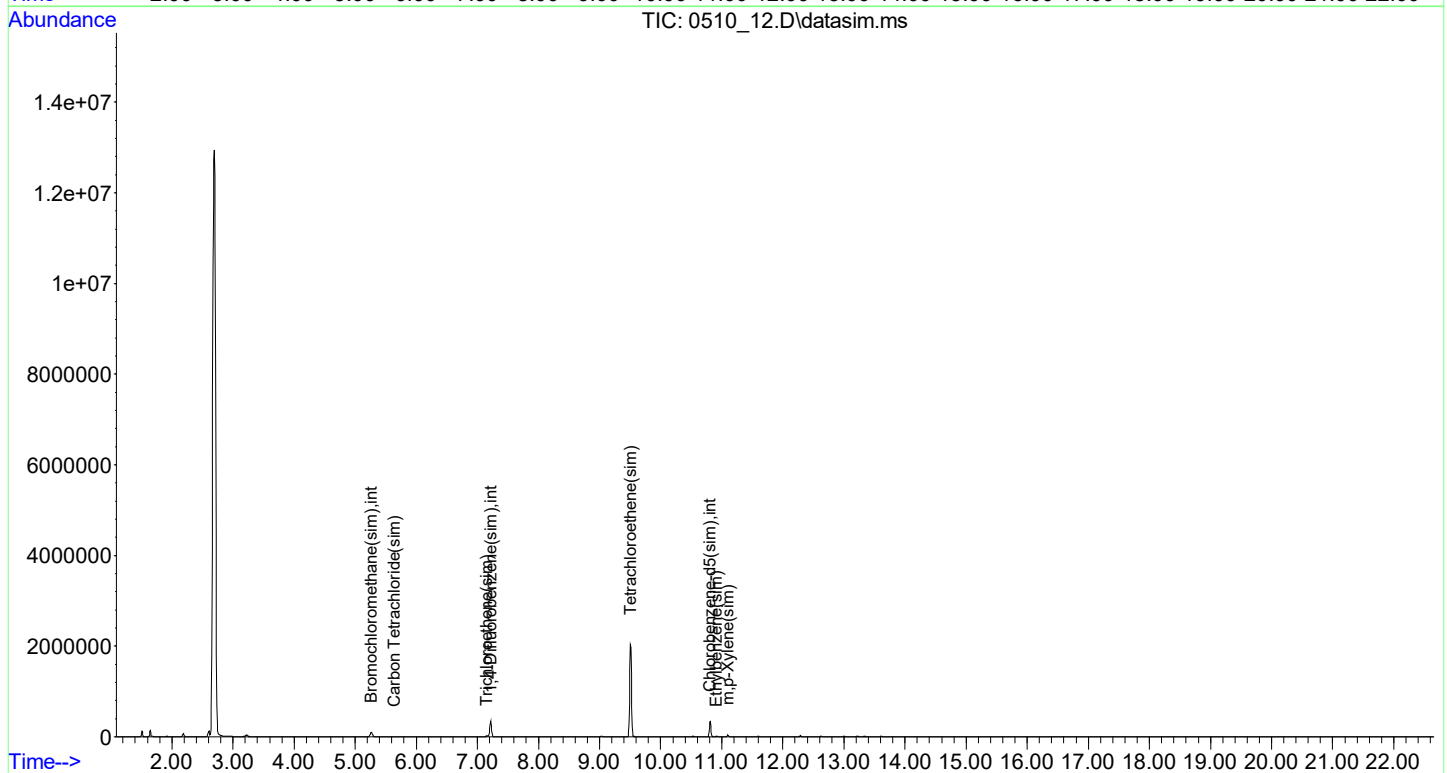
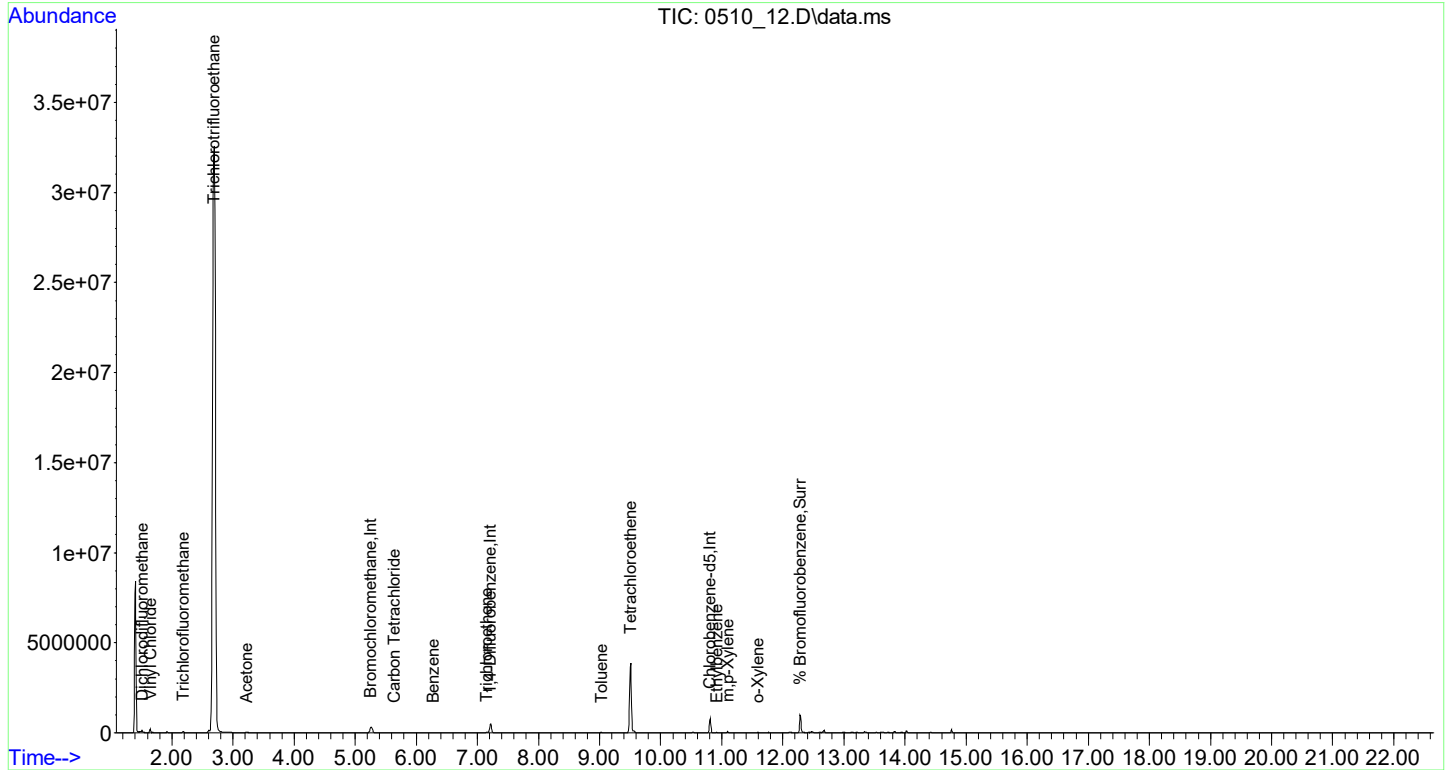
Quant Time: May 10 15:45:48 2021
 Quant Method : H:\AIR2021\CHEM24\METHODS\24AIR_0421.M
 Quant Title : VOA Standards for 5 point calibration
 QLast Update : Thu Apr 22 08:23:13 2021
 Response via : Initial Calibration

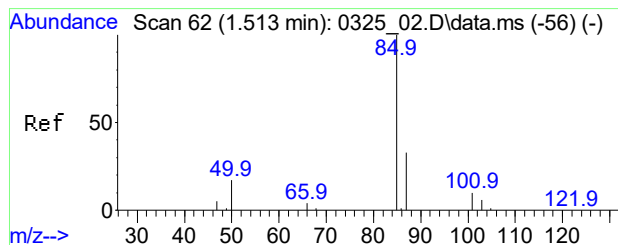
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	5.258	130	125609	10.000	ng	-0.04
36) 1,4-Difluorobenzene	7.218	114	404318	10.000	ng	-0.02
53) Chlorobenzene-d5	10.809	82	210208	10.000	ng	-0.02
80) Bromochloromethane(sim)	5.260	130	131194	10.000	ng	#-0.03
95) 1,4-Difluorobenzene(sim)	7.218	114	404318	10.000	ng	-0.02
105) Chlorobenzene-d5(sim)	10.809	82	210208	10.000	ng	-0.02
System Monitoring Compounds						
62) % Bromofluorobenzene	12.284	95	302149	10.249	ppbv	-0.02
Spiked Amount	10.000	Range	70 - 130	Recovery	=	102.50%
Target Compounds						
					Qvalue	
3) Dichlorodifluoromethane	1.513	85	81086	2.911	ppbv	100
6) Vinyl Chloride	1.650	62	584	0.044	ppbv#	1
12) Acetone	3.224	43	50485	1.539	ppbv	97
13) Trichlorofluoromethane	2.184	101	59609	1.813	ppbv	95
21) Trichlorotrifluoroethane	2.690	101	20093538	878.556	ppbv	94
33) Benzene	6.287	78	1680	0.056	ppbv#	86
34) Carbon Tetrachloride	5.640	117	2325	0.075	ppbv	95
39) Trichloroethene	7.156	130	14590	0.881	ppbv	92
48) Toluene	9.032	91	13120	0.350	ppbv#	98
52) Tetrachloroethene	9.509	166	1099530	47.352	ppbv	96
56) Ethylbenzene	10.919	91	11600	0.223	ppbv	94
57) m, p-Xylene	11.097	91	31327	0.788	ppbv	98
61) o-Xylene	11.598	91	9933	0.231	ppbv	98
86] Benzene(sim)	6.283	78	1786	0.049	ppbv#	86
87] Carbon Tetrachloride(sim)	5.640	117	2124	0.065	ppbv#	89
98] Trichloroethene(sim)	7.152	130	15750	0.865	ppbv	100
104] Tetrachloroethene(sim)	9.504	166	1152628	46.372	ppbv	98
108] Ethylbenzene(sim)	10.915	91	13247	0.217	ppb	99
109] m, p-Xylene(sim)	11.097	91	31245	0.758	ppbv	98

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

Data Path : H:\AIR2021\CHEM24\05MAY\10\
Data File : 0510_12.D
Acq On : 10 May 2021 1:49 pm
Operator : Keith
Client ID : SCSSV-06
Lab ID : CI26496
ALS Vial : 12 Sample Multiplier: 1

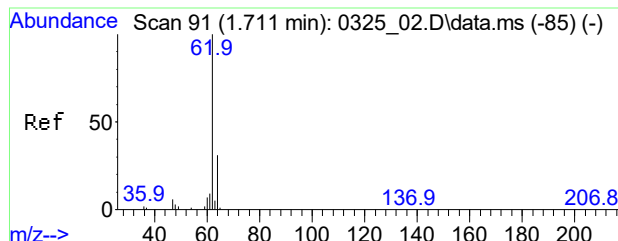
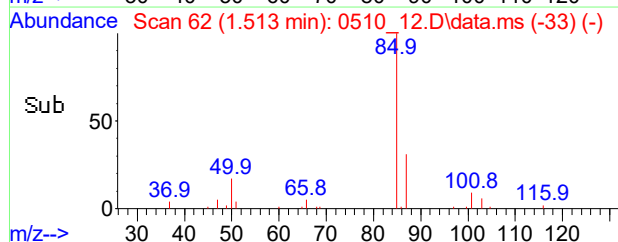
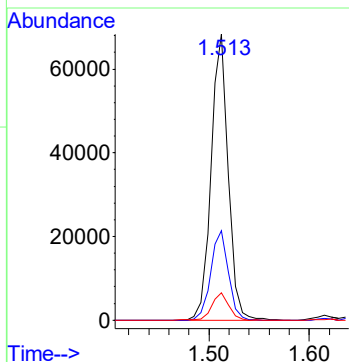
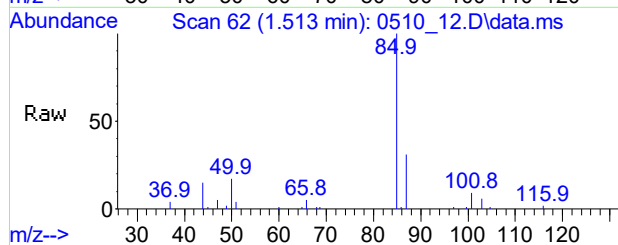
Quant Time: May 10 15:45:48 2021
Quant Method : H:\AIR2021\CHEM24\METHODS\24AIR_0421.M
Quant Title : VOA Standards for 5 point calibration
QLast Update : Thu Apr 22 08:23:13 2021
Response via : Initial Calibration





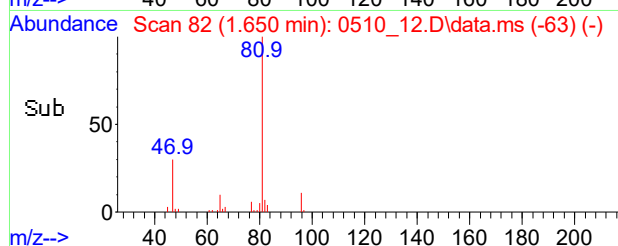
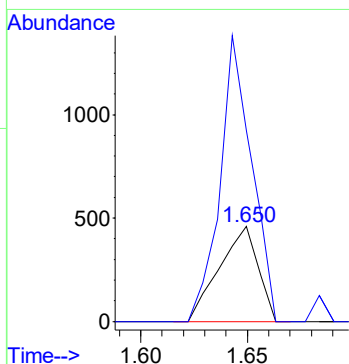
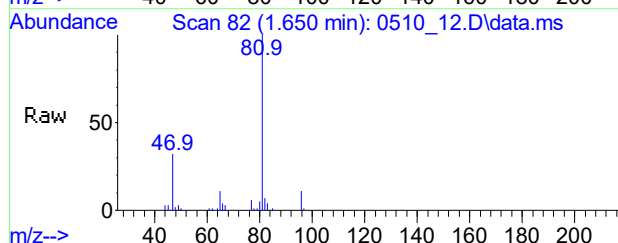
#3
Dichlorodifluoromethane
Conc: 8\$ 2.911 ppbv
RT: 1.513 min Scan# 62
Delta R.T. -0.000 min
Lab File: 0510_12.D
Acq: 10 May 2021 1:49 pm

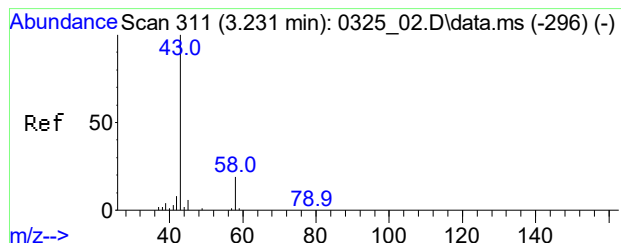
Tgt Ion: 85 Resp: 81086
Ion Ratio Lower Upper
85 100
87 32.2 25.8 38.8
101 9.6 7.3 10.9



#6
Vinyl Chloride
Conc: 8\$ Below Cal
RT: 1.650 min Scan# 82
Delta R.T. -0.068 min
Lab File: 0510_12.D
Acq: 10 May 2021 1:49 pm

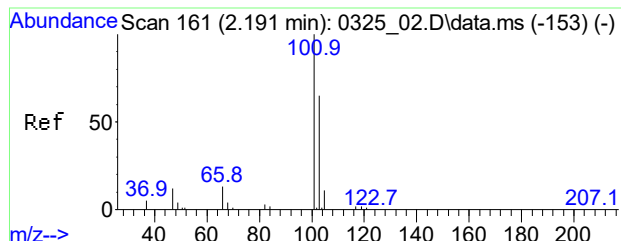
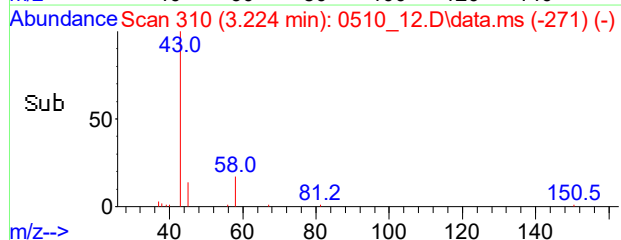
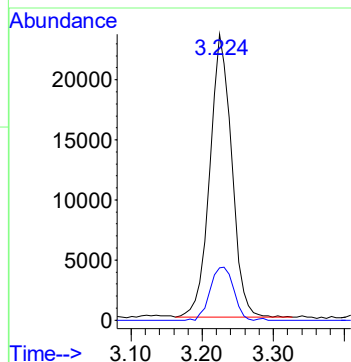
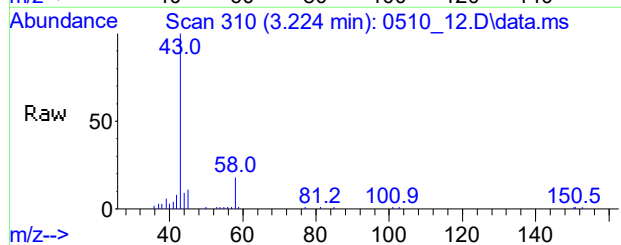
Tgt Ion: 62 Resp: 584
Ion Ratio Lower Upper
62 100
64 246.2 10.9 50.9#





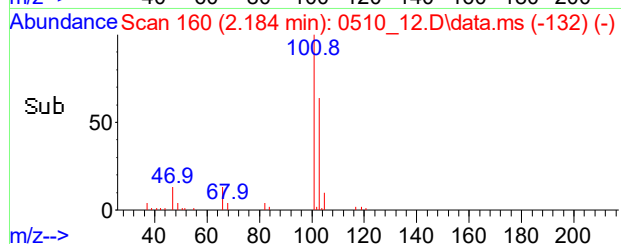
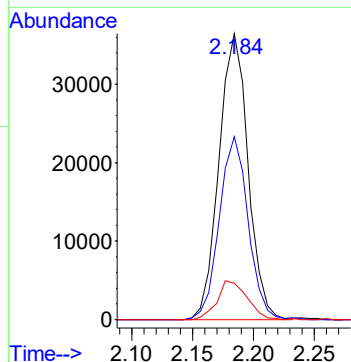
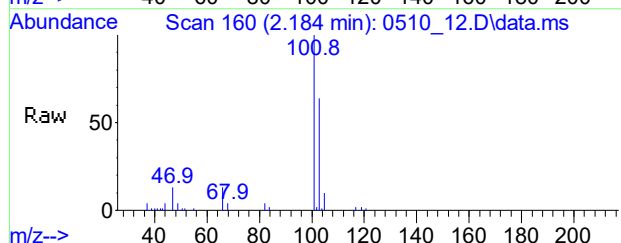
#12
Acetone
Conc: 8\$ 1.539 ppbv
RT: 3.224 min Scan# 310
Delta R.T. -0.034 min
Lab File: 0510_12.D
Acq: 10 May 2021 1:49 pm

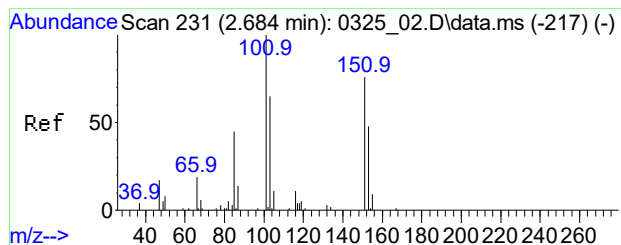
Tgt Ion: 43 Resp: 50485
Ion Ratio Lower Upper
43 100
58 19.8 15.0 22.4



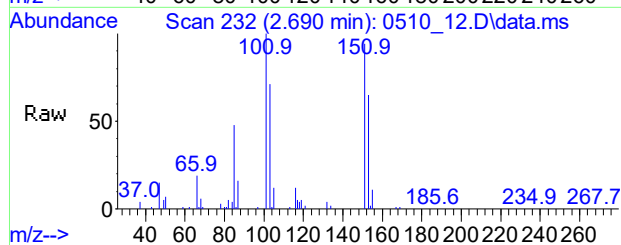
#13
Trichlorofluoromethane
Conc: 8\$ 1.813 ppbv
RT: 2.184 min Scan# 160
Delta R.T. -0.007 min
Lab File: 0510_12.D
Acq: 10 May 2021 1:49 pm

Tgt Ion: 101 Resp: 59609
Ion Ratio Lower Upper
101 100
103 63.5 54.6 82.0
66 13.9 12.2 18.4

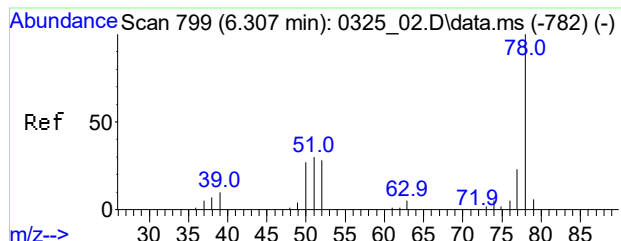
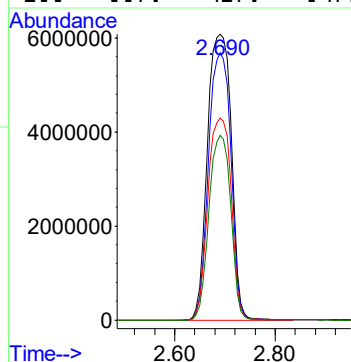
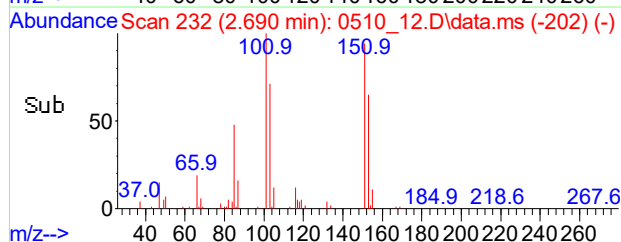




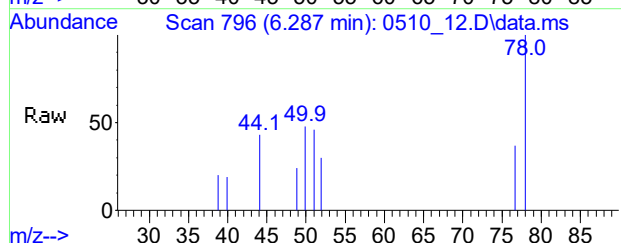
#21
Trichlorotrifluoroethane
Conc: 8\$ 878.556 ppbv
RT: 2.690 min Scan# 232
Delta R.T. 0.006 min
Lab File: 0510_12.D
Acq: 10 May 2021 1:49 pm



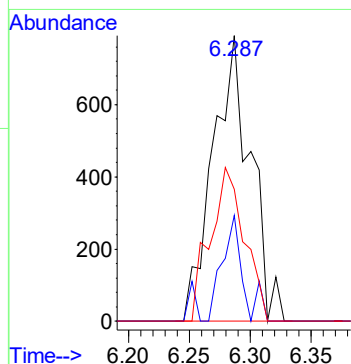
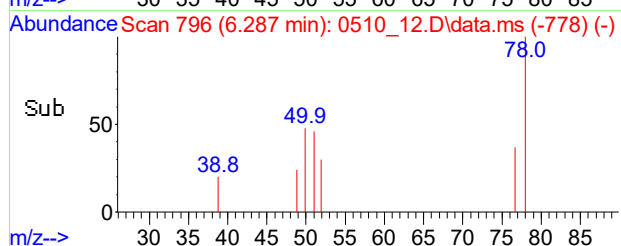
Tgt Ion: 101 Resp: 20093538
Ion Ratio Lower Upper
101 100
151 87.6 63.8 95.8
103 68.7 54.6 81.8
153 58.9 42.9 64.3

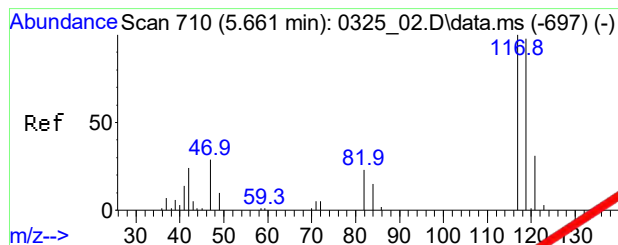


#33
Benzene
Conc: 8\$ Below Cal
RT: 6.287 min Scan# 796
Delta R.T. -0.027 min
Lab File: 0510_12.D
Acq: 10 May 2021 1:49 pm



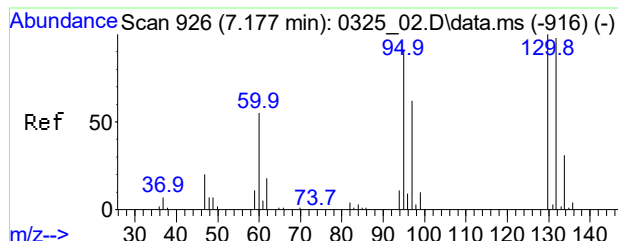
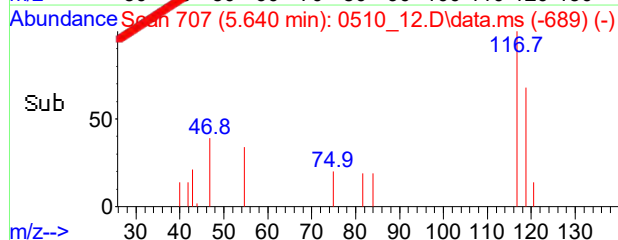
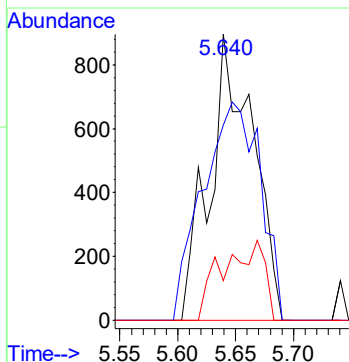
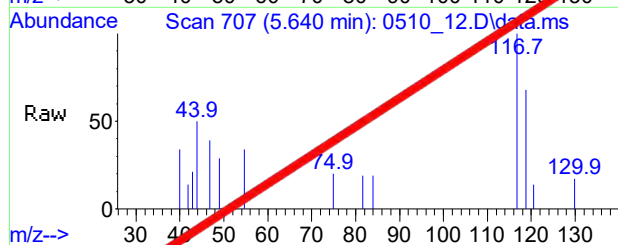
Tgt Ion: 78 Resp: 1680
Ion Ratio Lower Upper
78 100
77 20.2 19.1 28.7
51 49.2 30.3 45.5#





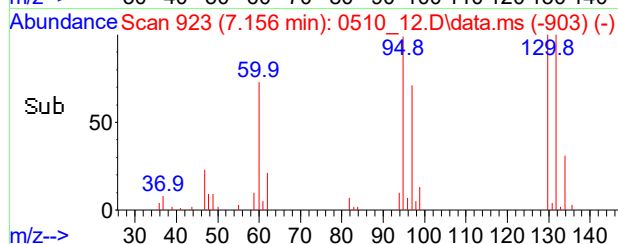
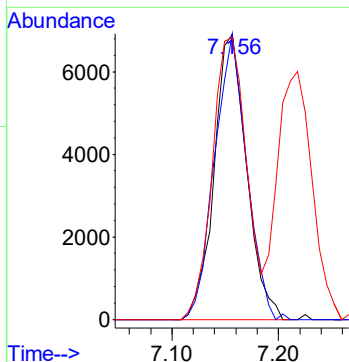
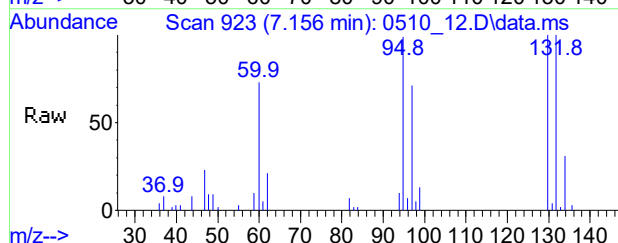
#34
Carbon Tetrachloride
Conc: 8\$ Below Cal
RT: 5.640 min Scan# 707
Delta R.T. -0.021 min
Lab File: 0510_12.D
Acq: 10 May 2021 1:49 pm

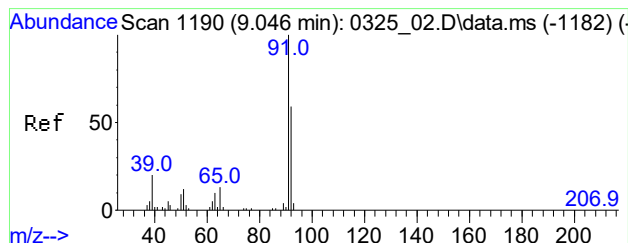
Tgt Ion	Ratio	Lower	Upper
117	100		
119	100.9	85.1	125.1
121	26.6	11.0	51.0



#39
Trichloroethene
Conc: 8\$ 0.881 ppbv
RT: 7.156 min Scan# 923
Delta R.T. -0.014 min
Lab File: 0510_12.D
Acq: 10 May 2021 1:49 pm

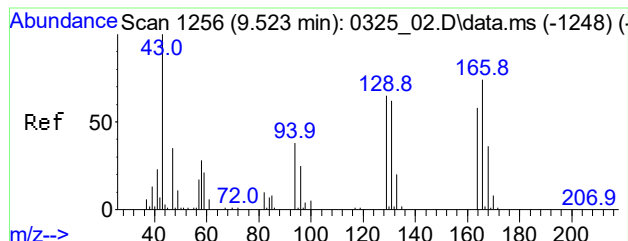
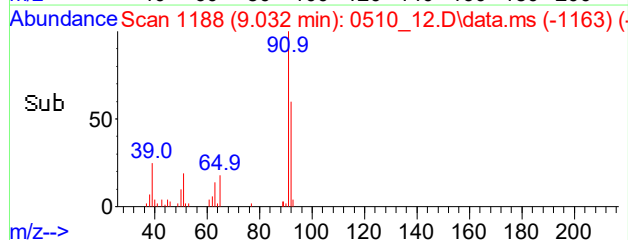
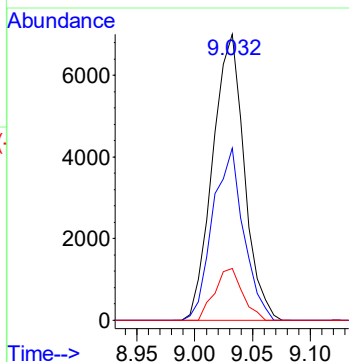
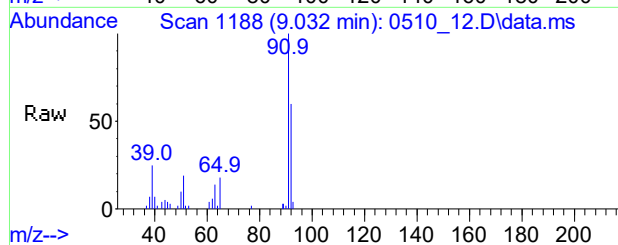
Tgt Ion	Ratio	Lower	Upper
130	100		
132	99.1	87.1	130.7
95	103.9	88.9	133.3





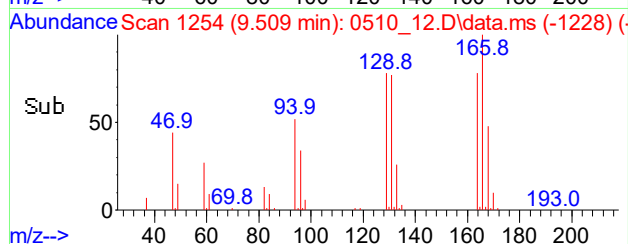
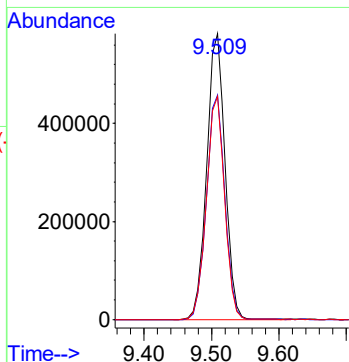
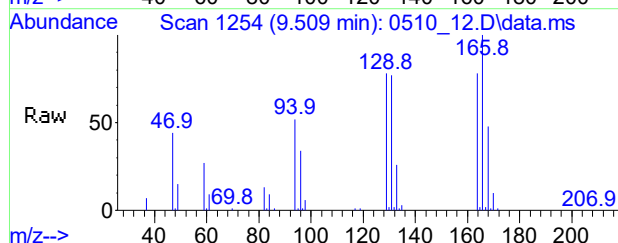
#48
Toluene
Conc: 8\$ 0.350 ppbv
RT: 9.032 min Scan# 1188
Delta R.T. -0.021 min
Lab File: 0510_12.D
Acq: 10 May 2021 1:49 pm

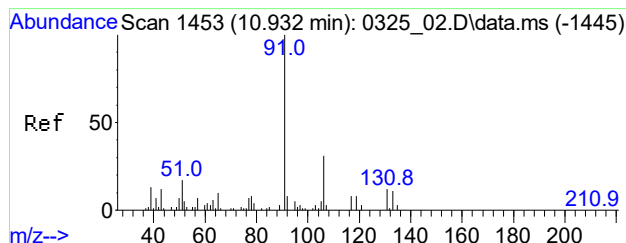
Tgt Ion: 91 Resp: 13120
Ion Ratio Lower Upper
91 100
92 58.9 47.4 71.2
65 15.9 10.2 15.4#



#52
Tetrachloroethene
Conc: 8\$ 47.352 ppbv
RT: 9.509 min Scan# 1254
Delta R.T. -0.014 min
Lab File: 0510_12.D
Acq: 10 May 2021 1:49 pm

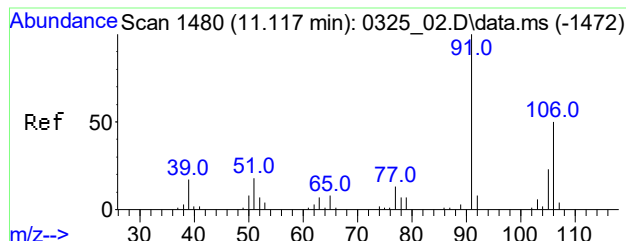
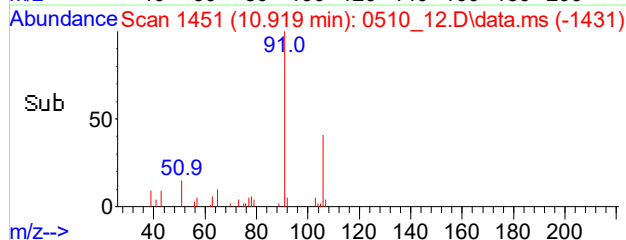
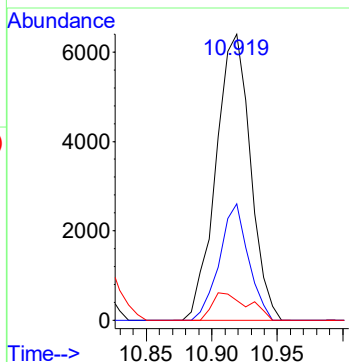
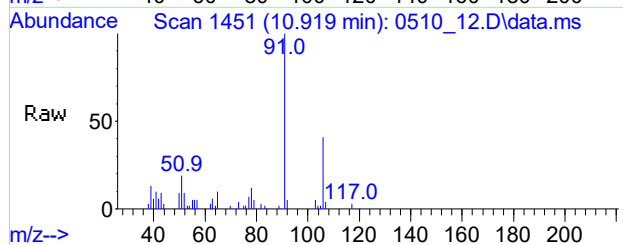
Tgt Ion: 166 Resp: 1099530
Ion Ratio Lower Upper
166 100
164 78.9 63.2 94.8
129 77.6 56.9 85.3





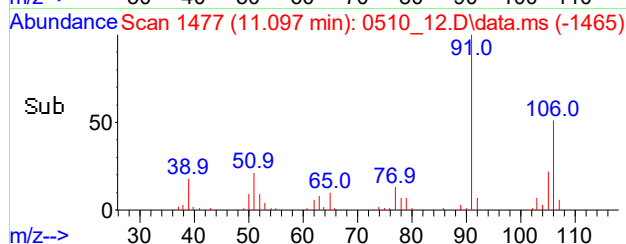
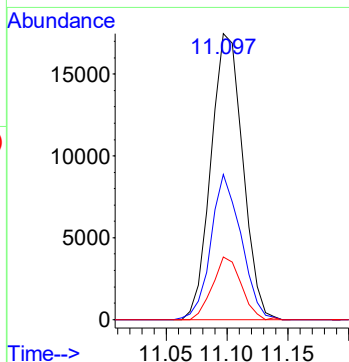
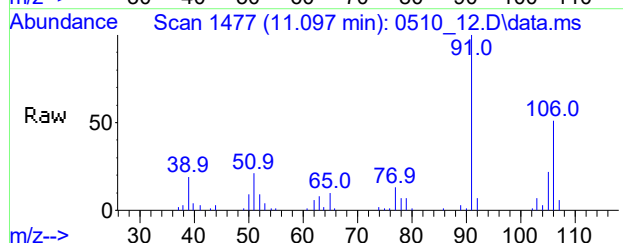
#56
Ethylbenzene
Conc: 8\$ 0.223 ppbv
RT: 10.919 min Scan# 1451
Delta R.T. -0.013 min
Lab File: 0510_12.D
Acq: 10 May 2021 1:49 pm

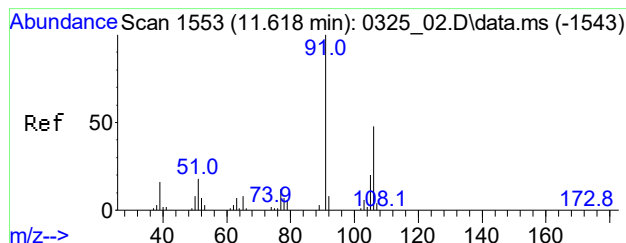
Tgt Ion	Ratio	Lower	Upper
91	100		
106	34.3	17.7	57.7
77	9.9	0.0	32.7



#57
m,p-Xylene
Conc: 8\$ 0.788 ppbv
RT: 11.097 min Scan# 1477
Delta R.T. -0.020 min
Lab File: 0510_12.D
Acq: 10 May 2021 1:49 pm

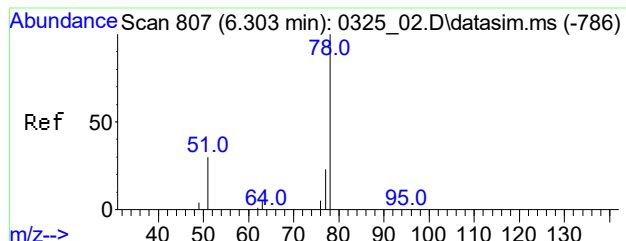
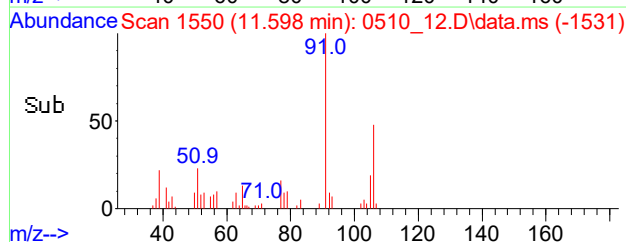
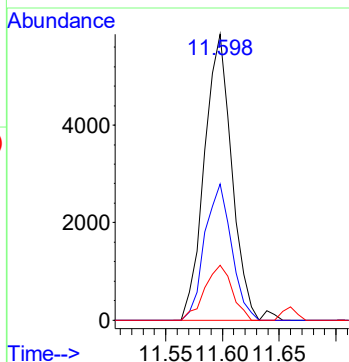
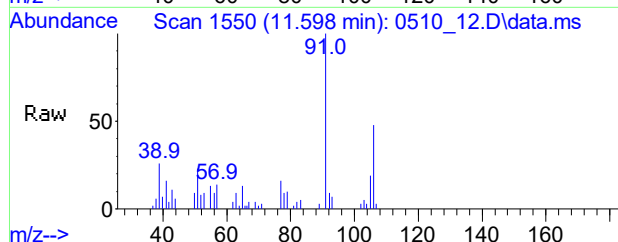
Tgt Ion	Ratio	Lower	Upper
91	100		
106	48.3	39.4	59.2
105	19.7	16.8	25.2





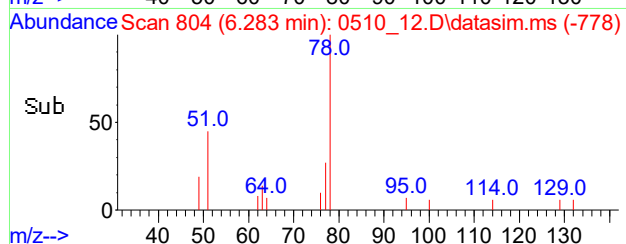
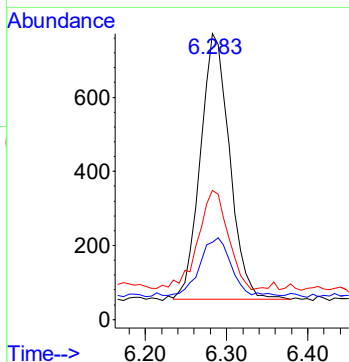
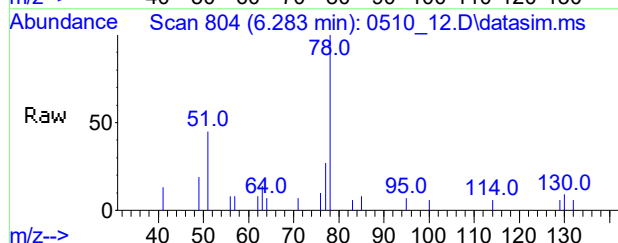
#61
o-Xylene
Conc: 8\$ 0.231 ppbv
RT: 11.598 min Scan# 1550
Delta R.T. -0.020 min
Lab File: 0510_12.D
Acq: 10 May 2021 1:49 pm

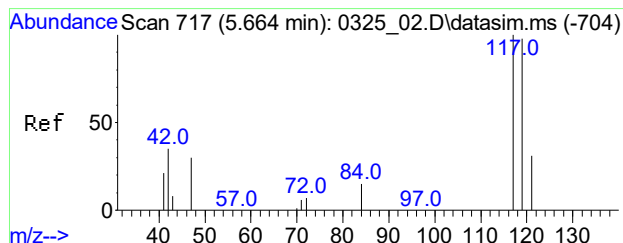
Tgt Ion: 91 Resp: 9933
Ion Ratio Lower Upper
91 100
106 46.2 37.5 56.3
105 19.1 13.5 20.3



#86
Benzene(sim)
Conc: 8\$ Below Cal
RT: 6.283 min Scan# 804
Delta R.T. -0.020 min
Lab File: 0510_12.D
Acq: 10 May 2021 1:49 pm

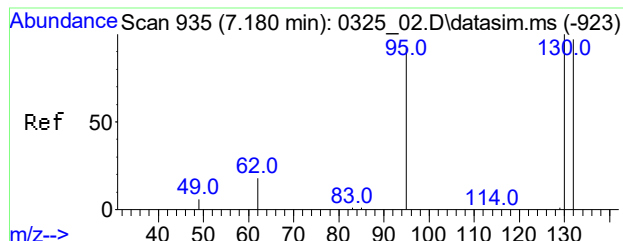
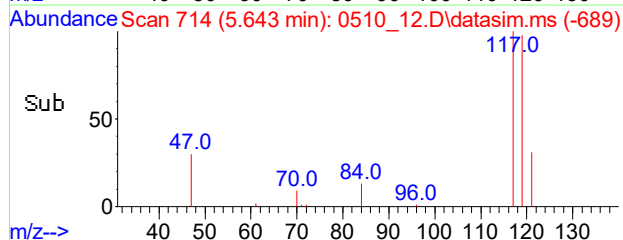
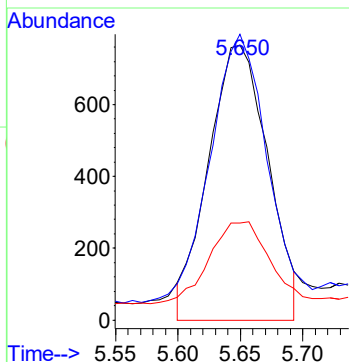
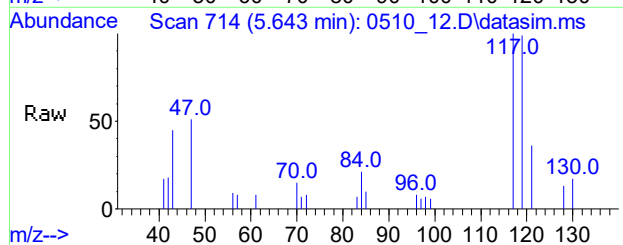
Tgt Ion: 78 Resp: 1786
Ion Ratio Lower Upper
78 100
77 22.6 18.6 28.0
51 44.5 25.4 38.2#





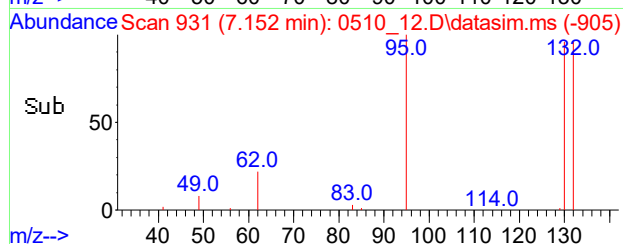
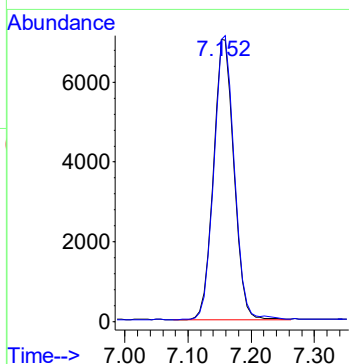
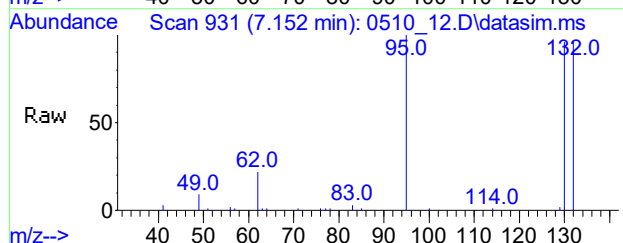
#87
Carbon Tetrachloride(sim)
Conc: 8\$ 0.065 ppbv
RT: 5.640 min Scan# 714
Delta R.T. -0.021 min
Lab File: 0510_12.D
Acq: 10 May 2021 1:49 pm

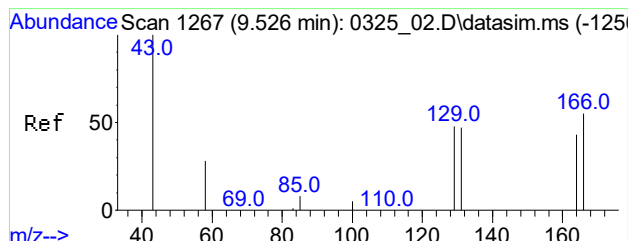
Tgt Ion: 117 Resp: 2124
Ion Ratio Lower Upper
117 100
119 110.4 84.7 127.1
121 6.5 21.1 31.7#



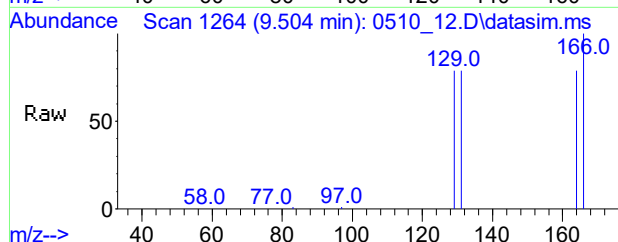
#98
Trichloroethene(sim)
Conc: 8\$ 0.865 ppbv
RT: 7.152 min Scan# 931
Delta R.T. -0.021 min
Lab File: 0510_12.D
Acq: 10 May 2021 1:49 pm

Tgt Ion: 130 Resp: 15750
Ion Ratio Lower Upper
130 100
132 101.3 80.8 121.2

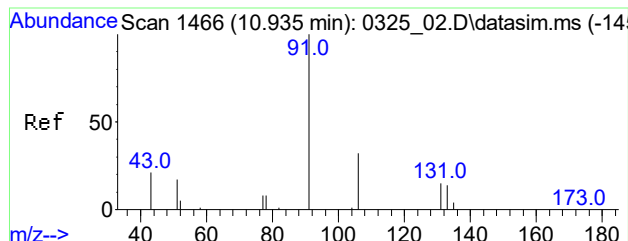
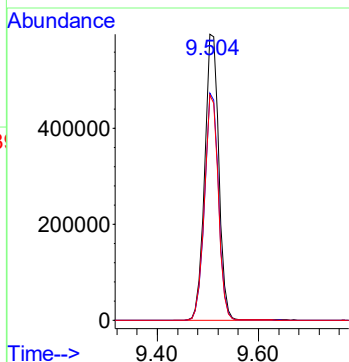
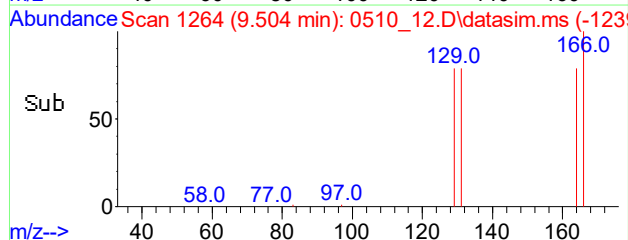




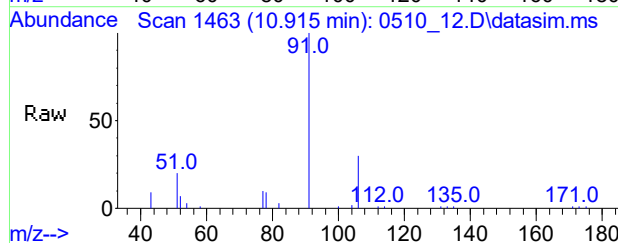
#104
Tetrachloroethene(sim)
Conc: 8\$ 46.372 ppbv
RT: 9.504 min Scan# 1264
Delta R.T. -0.022 min
Lab File: 0510_12.D
Acq: 10 May 2021 1:49 pm



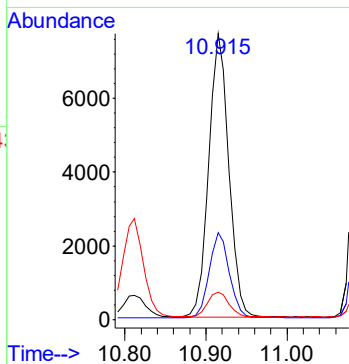
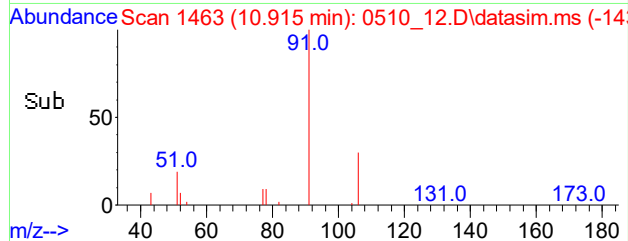
Tgt Ion:166 Resp: 1152628
Ion Ratio Lower Upper
166 100
164 78.5 58.0 98.0
129 77.7 54.2 94.2

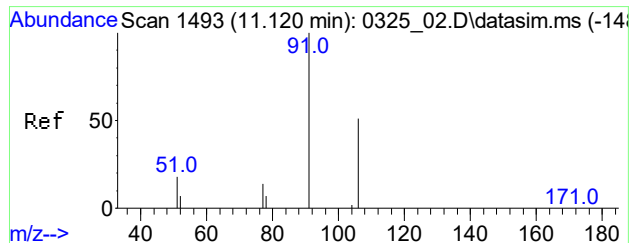


#108
Ethylbenzene(sim)
Conc: 8\$ 0.217 ppb
RT: 10.915 min Scan# 1463
Delta R.T. -0.020 min
Lab File: 0510_12.D
Acq: 10 May 2021 1:49 pm



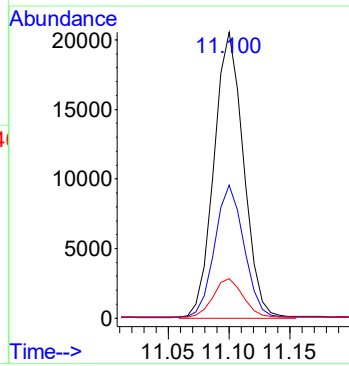
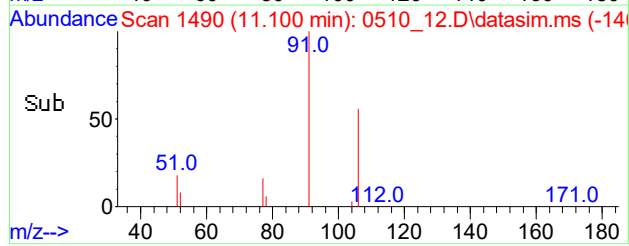
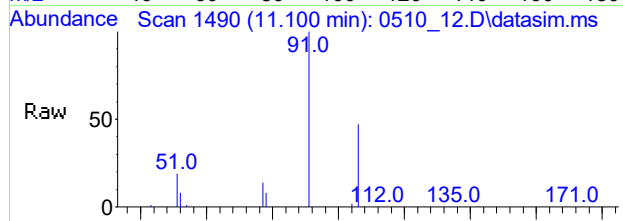
Tgt Ion: 91 Resp: 13247
Ion Ratio Lower Upper
91 100
106 30.0 24.8 37.2
77 9.5 7.5 11.3





#109
 m,p-Xylene(sim)
 Conc: 8\$ 0.758 ppbv
 RT: 11.097 min Scan# 1490
 Delta R.T. -0.020 min
 Lab File: 0510_12.D
 Acq: 10 May 2021 1:49 pm

Tgt Ion	91	Resp	31245
Ion Ratio	Lower	Upper	
91	100		
106	48.4	44.4	54.2
77	13.5	11.7	17.5



Client:	WALDENE-IPARK	Lab:	Phoenix Env. Labs
SDG No.:	GCI26486	Lab Sample ID:	CI26496 184X
Canister:	19816	Lab File ID:	0510_26.D
Instrument:	CHEM24	Column:	RTX-VMS
Purge Volume	200 (cc)	Date Received:	05/07/21
		Date Analyzed:	05/10/21
Matrix:	AIR	Dilution Factor:	184

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
This form 1 and the associated quantitation report are filtered for detected compounds in the undiluted analysis.

Data Path : H:\AIR2021\CHEM24\05MAY\10\
 Data File : 0510_26.D
 Acq On : 10 May 2021 10:24 pm
 Operator : Keith
 Client ID : SCSSV-06 184X
 Lab ID : CI26496 184X
 ALS Vial : 26 Sample Multiplier: 1

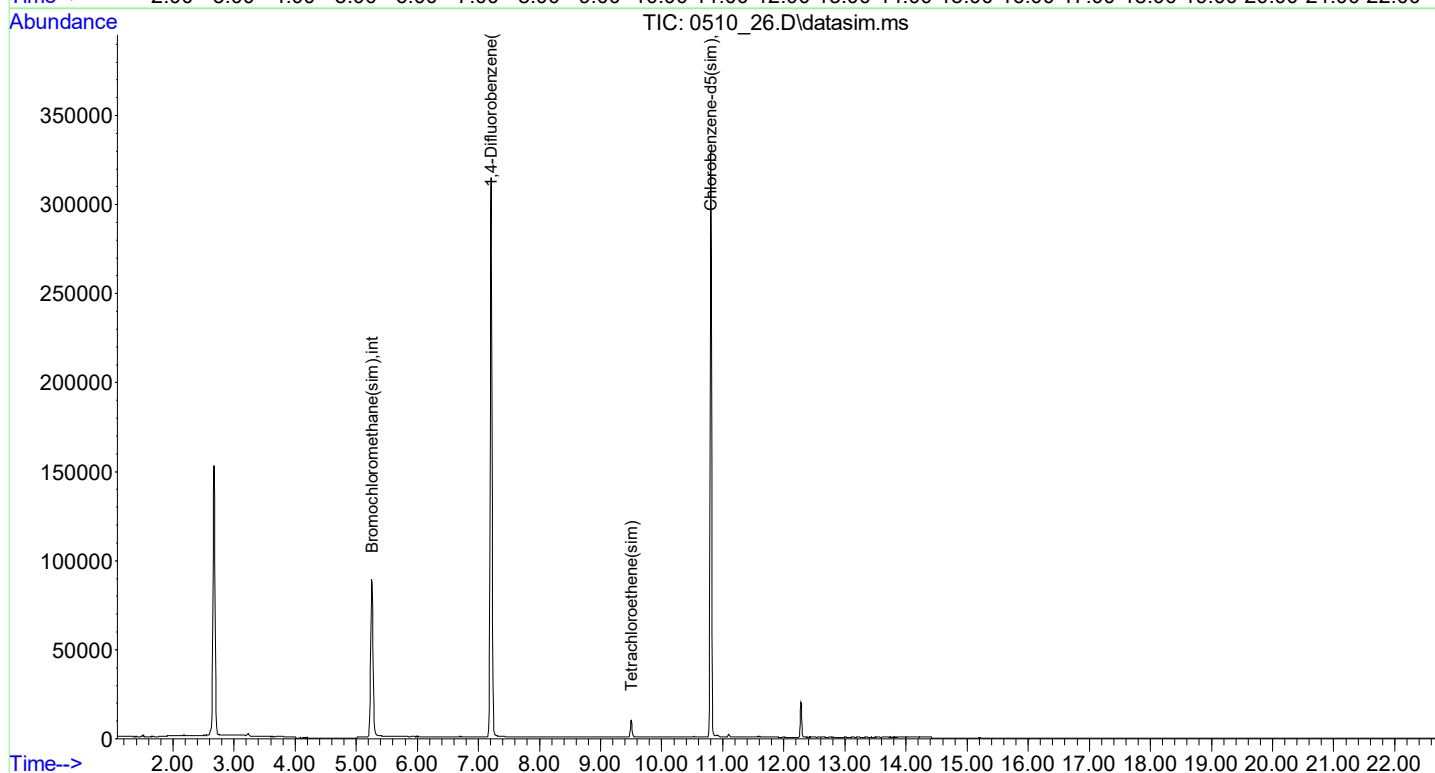
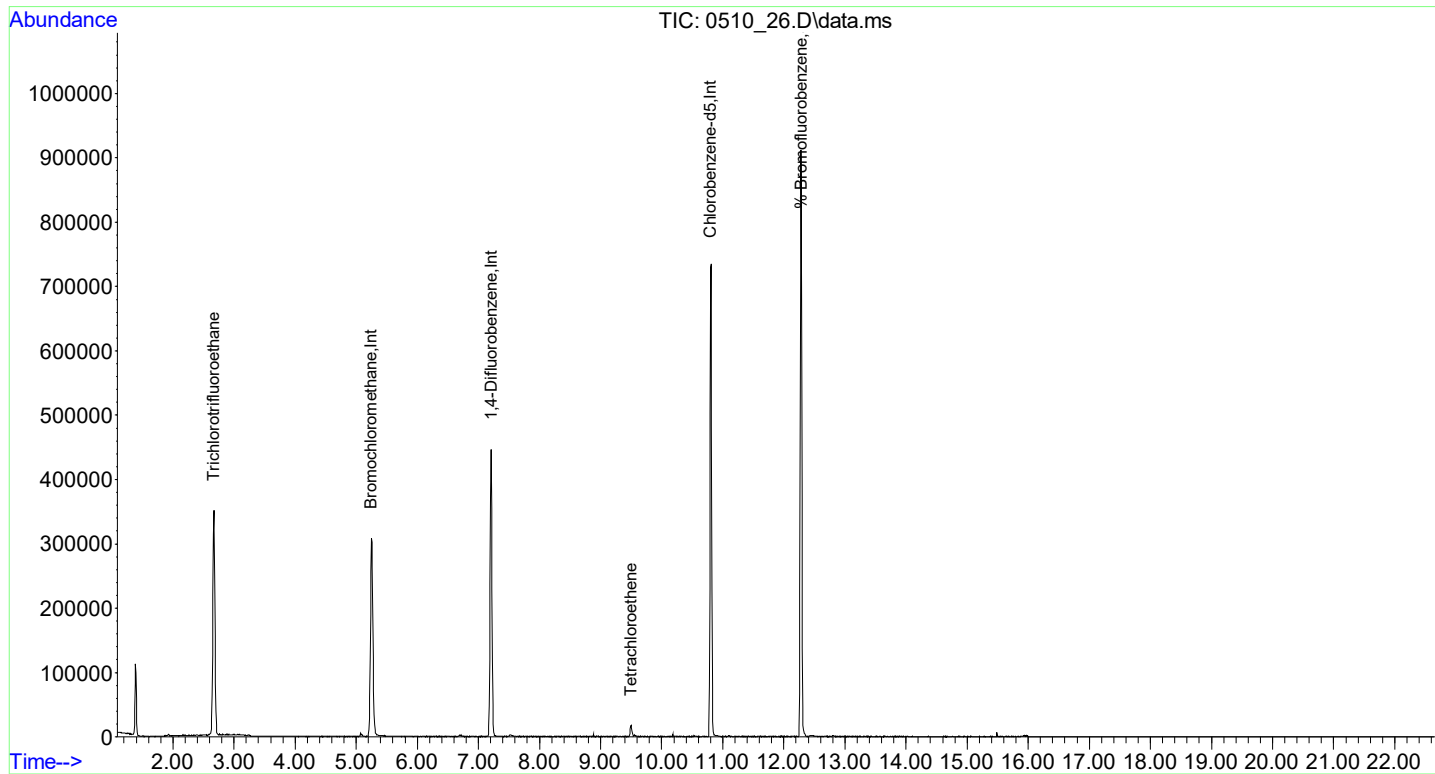
Quant Time: May 11 08:35:06 2021
 Quant Method : H:\AIR2021\CHEM24\METHODS\24AIR_0421.M
 Quant Title : VOA Standards for 5 point calibration
 QLast Update : Thu Apr 22 08:23:13 2021
 Response via : Initial Calibration

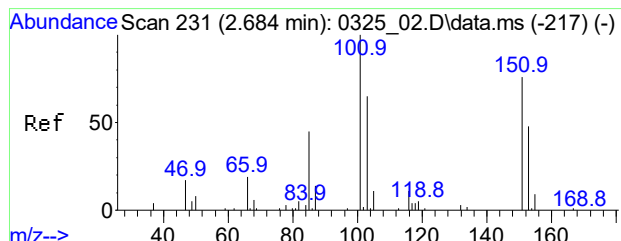
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	5.250	130	116386	10.000	ng	-0.04
36) 1,4-Difluorobenzene	7.211	114	371515	10.000	ng	-0.03
53) Chlorobenzene-d5	10.802	82	196983	10.000	ng	-0.03
80) Bromochloromethane(sim)	5.260	130	123293	10.000	ng	#-0.03
95) 1,4-Difluorobenzene(sim)	7.211	114	371515	10.000	ng	-0.03
105) Chlorobenzene-d5(sim)	10.802	82	196983	10.000	ng	-0.03
System Monitoring Compounds						
62) % Bromofluorobenzene	12.283	95	274098	9.921	ppbv	-0.02
Spiked Amount	10.000	Range	70 - 130	Recovery	=	99.20%
Target Compounds						
21) Trichlorotrifluoroethane	2.670	101	158819	7.494	ppbv	96
52) Tetrachloroethene	9.501	166	4984	0.234	ppbv	91
104] Tetrachloroethene(sim)	9.504	166	5408	0.237	ppbv	98

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

Data Path : H:\AIR2021\CHEM24\05MAY\10\
Data File : 0510_26.D
Acq On : 10 May 2021 10:24 pm
Operator : Keith
Client ID : SCSSV-06 184X
Lab ID : CI26496 184X
ALS Vial : 26 Sample Multiplier: 1

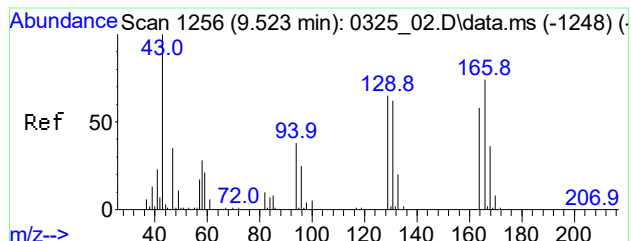
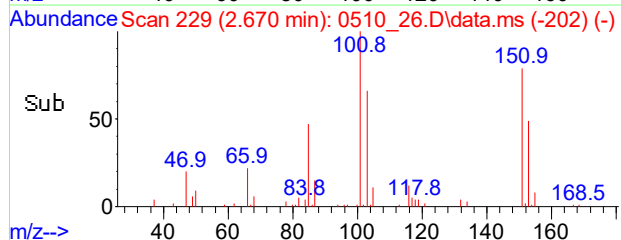
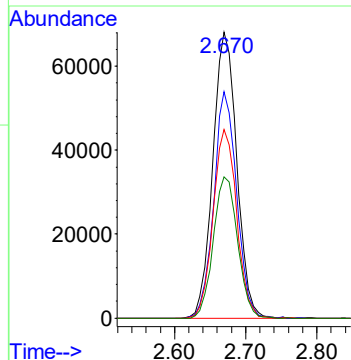
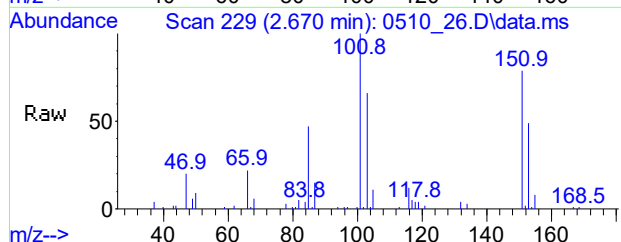
Quant Time: May 11 08:35:06 2021
Quant Method : H:\AIR2021\CHEM24\METHODS\24AIR_0421.M
Quant Title : VOA Standards for 5 point calibration
QLast Update : Thu Apr 22 08:23:13 2021
Response via : Initial Calibration





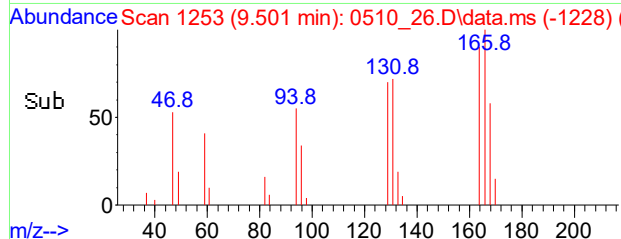
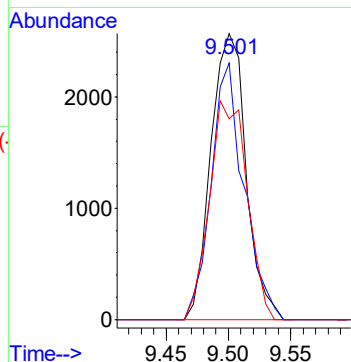
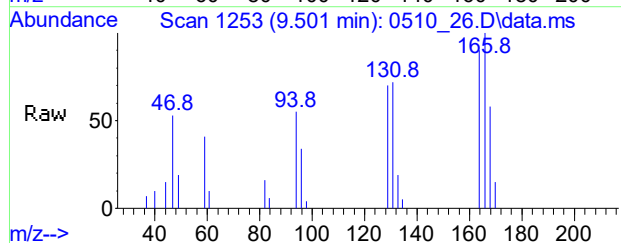
#21
Trichlorotrifluoroethane
Conc: 8\$ 7.494 ppbv
RT: 2.670 min Scan# 229
Delta R.T. -0.014 min
Lab File: 0510_26.D
Acq: 10 May 2021 10:24 pm

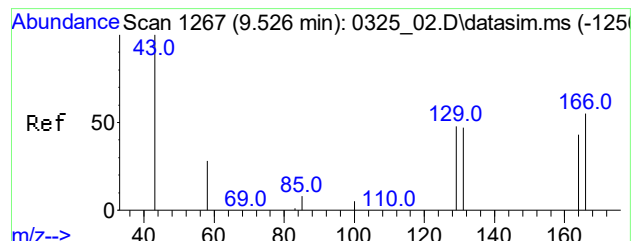
Tgt Ion:	101	Resp:	158819
Ion Ratio	Lower	Upper	
101	100		
151	75.8	63.8	95.8
103	65.0	54.6	81.8
153	50.0	42.9	64.3



#52
Tetrachloroethene
Conc: 8\$ 0.234 ppbv
RT: 9.501 min Scan# 1253
Delta R.T. -0.022 min
Lab File: 0510_26.D
Acq: 10 May 2021 10:24 pm

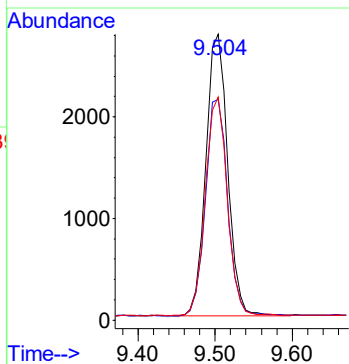
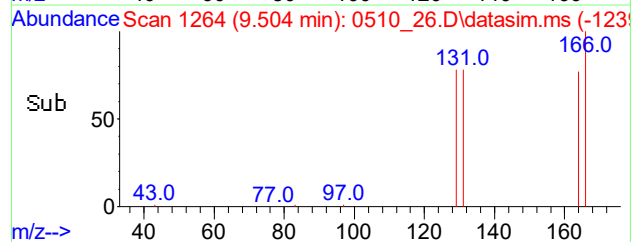
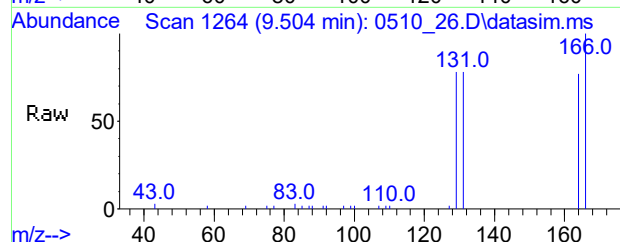
Tgt Ion:	166	Resp:	4984
Ion Ratio	Lower	Upper	
166	100		
164	83.7	63.2	94.8
129	81.8	56.9	85.3





#104
 Tetrachloroethene(sim)
 Conc: 8\$ 0.237 ppbv
 RT: 9.504 min Scan# 1264
 Delta R.T. -0.022 min
 Lab File: 0510_26.D
 Acq: 10 May 2021 10:24 pm

Tgt Ion	Ratio	Resp	Lower	Upper
166	100	5408		
164	78.4		58.0	98.0
129	77.7		54.2	94.2



Client:	WALDENE-IPARK	Lab:	Phoenix Env. Labs
SDG No.:	GCI26486	Lab Sample ID:	CI26497
Canister:	11290	Lab File ID:	0510_13.D
Instrument:	CHEM24	Column:	RTX-VMS
Purge Volume	200 (cc)	Date Received:	05/07/21
Matrix:	AIR	Date Analyzed:	05/10/21
		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:\AIR2021\CHEM24\05MAY\10\
 Data File : 0510_13.D
 Acq On : 10 May 2021 2:31 pm
 Operator : Keith
 Client ID : SCSSV-08
 Lab ID : CI26497
 ALS Vial : 13 Sample Multiplier: 1

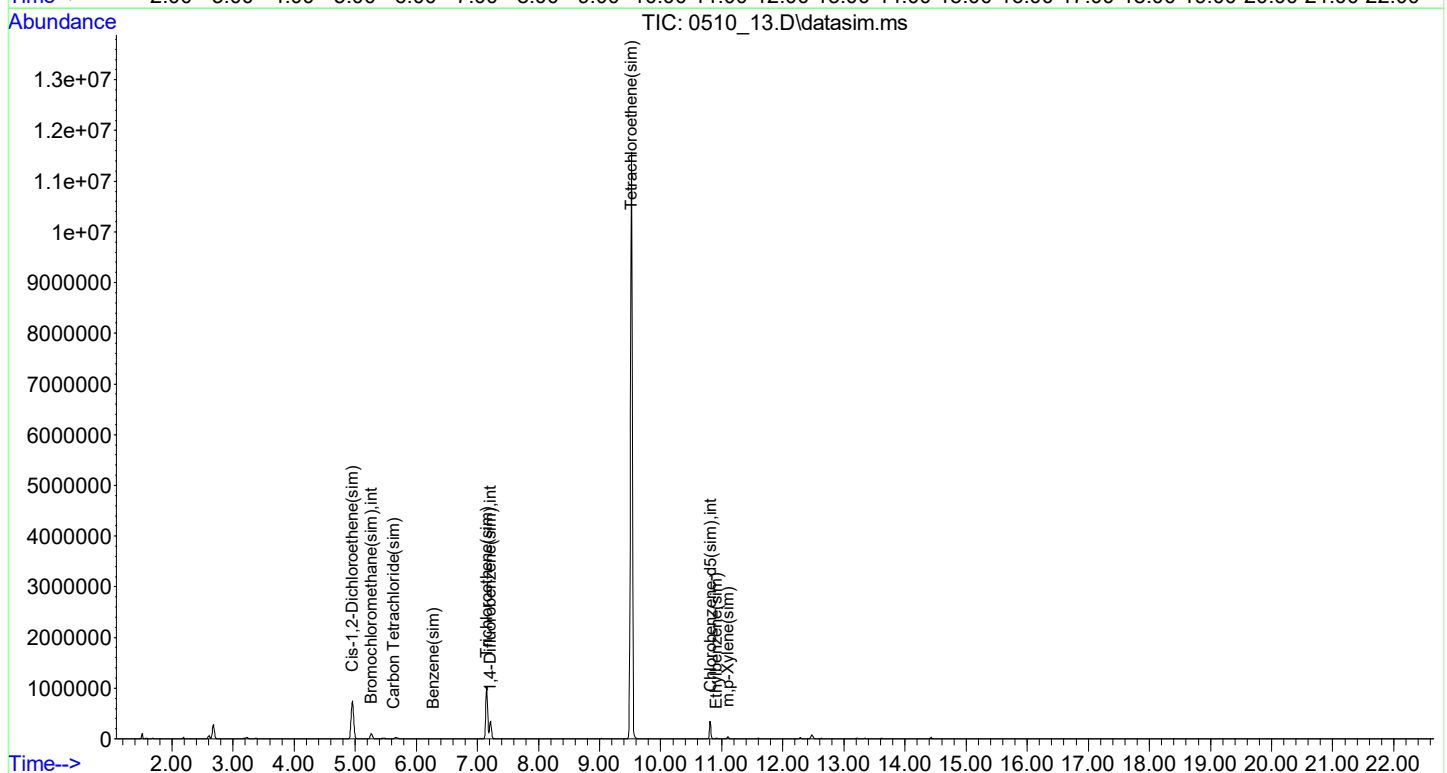
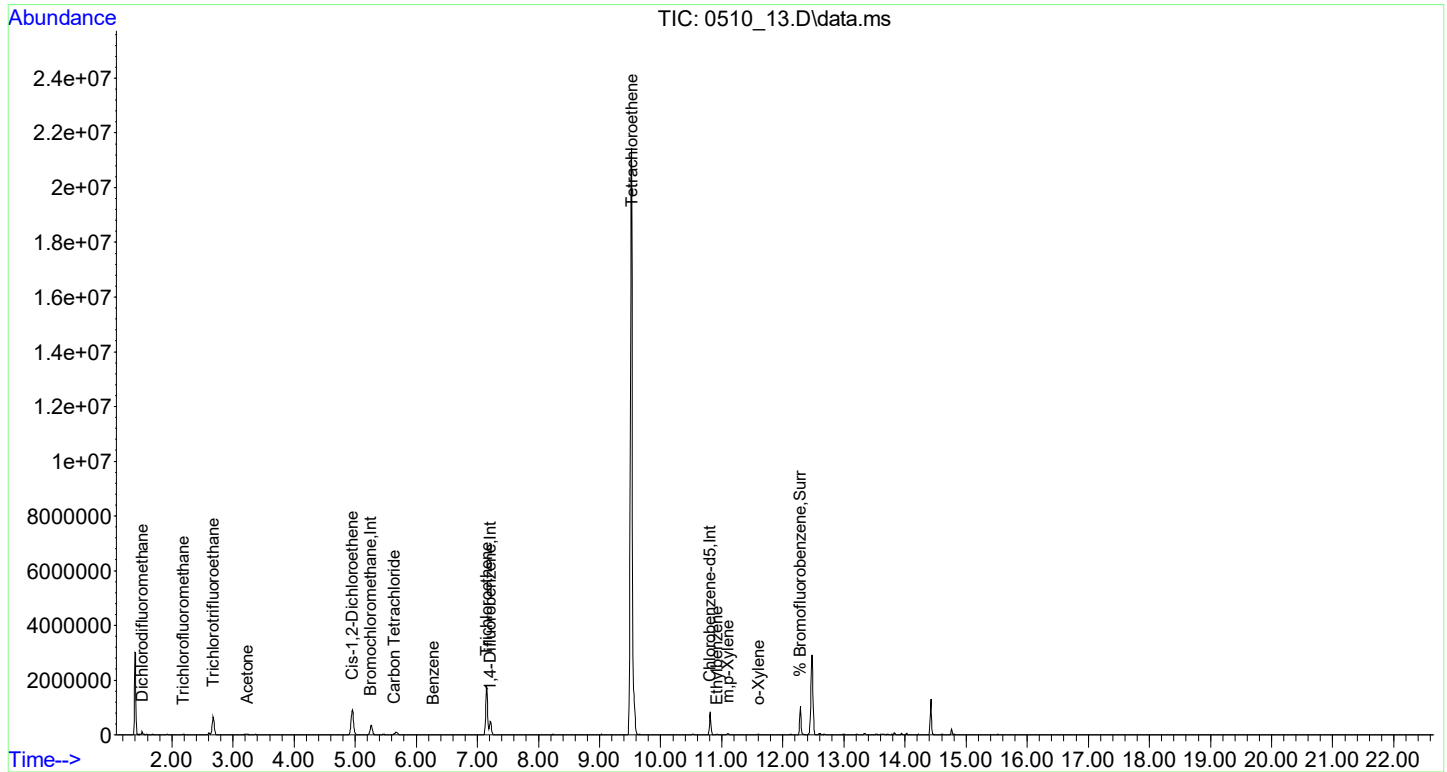
Quant Time: May 10 15:47:08 2021
 Quant Method : H:\AIR2021\CHEM24\METHODS\24AIR_0421.M
 Quant Title : VOA Standards for 5 point calibration
 QLast Update : Thu Apr 22 08:23:13 2021
 Response via : Initial Calibration

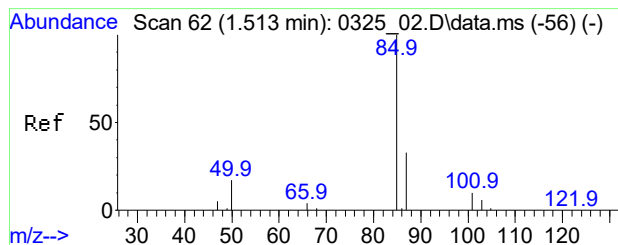
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	5.260	130	127404	10.000	ng	-0.03
36) 1,4-Difluorobenzene	7.213	114	406220	10.000	ng	-0.03
53) Chlorobenzene-d5	10.811	82	218404	10.000	ng	-0.02
80) Bromochloromethane(sim)	5.263	130	134462	10.000	ng	#-0.03
95) 1,4-Difluorobenzene(sim)	7.213	114	406220	10.000	ng	-0.03
105) Chlorobenzene-d5(sim)	10.811	82	218404	10.000	ng	-0.02
System Monitoring Compounds						
62) % Bromofluorobenzene	12.285	95	303737	9.916	ppbv	-0.02
Spiked Amount	10.000	Range	70 - 130	Recovery	=	99.20%
Target Compounds						
					Qvalue	
3) Dichlorodifluoromethane	1.513	85	68445	2.422	ppbv	99
12) Acetone	3.231	43	38272	1.150	ppbv	100
13) Trichlorofluoromethane	2.184	101	14319	0.429	ppbv	96
21) Trichlorotrifluoroethane	2.677	101	292428	12.606	ppbv	97
26) Cis-1,2-Dichloroethene	4.952	61	1075568	47.599	ppbv	98
33) Benzene	6.282	78	3586	0.118	ppbv	92
34) Carbon Tetrachloride	5.642	117	2200	0.070	ppbv	97
39) Trichloroethene	7.151	130	609998	36.663	ppbv	94
52) Tetrachloroethene	9.525	166	7053065	302.322	ppbv	95
56) Ethylbenzene	10.921	91	9430	0.174	ppbv	95
57) m, p-Xylene	11.099	91	28944	0.701	ppbv	99
61) o-Xylene	11.600	91	8814	0.197	ppbv	91
86] Benzene(sim)	6.278	78	3823	0.103	ppbv	96
87] Carbon Tetrachloride(sim)	5.638	117	2579m	0.077	ppbv	91
92] Cis-1,2-Dichloroethene...	4.955	61	1145472	44.235	ppbv	94
98] Trichloroethene(sim)	7.154	130	655369	35.838	ppbv	99
104] Tetrachloroethene(sim)	9.521	166	7261793	290.788	ppbv	97
108] Ethylbenzene(sim)	10.917	91	11084	0.174	ppb	98
109] m, p-Xylene(sim)	11.099	91	28944	0.676	ppbv	99

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

Data Path : H:\AIR2021\CHEM24\05MAY\10\
Data File : 0510_13.D
Acq On : 10 May 2021 2:31 pm
Operator : Keith
Client ID : SCSSV-08
Lab ID : CI26497
ALS Vial : 13 Sample Multiplier: 1

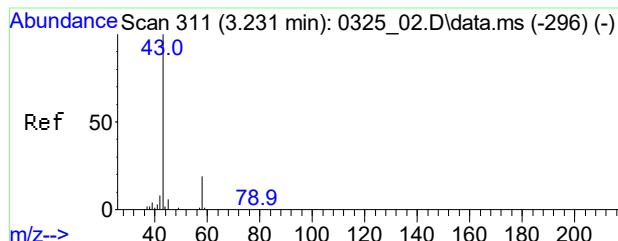
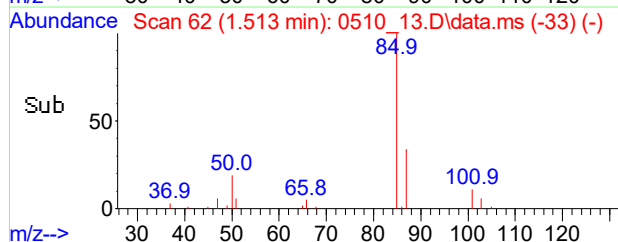
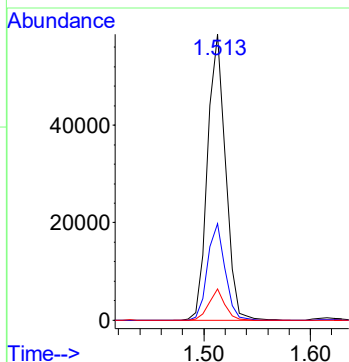
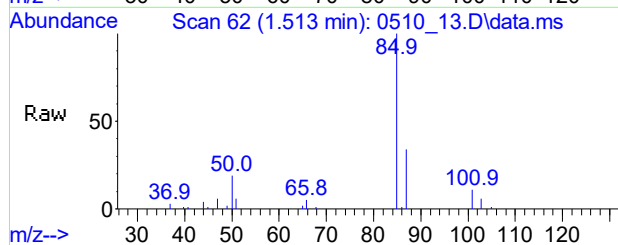
Quant Time: May 10 15:47:08 2021
Quant Method : H:\AIR2021\CHEM24\METHODS\24AIR_0421.M
Quant Title : VOA Standards for 5 point calibration
QLast Update : Thu Apr 22 08:23:13 2021
Response via : Initial Calibration





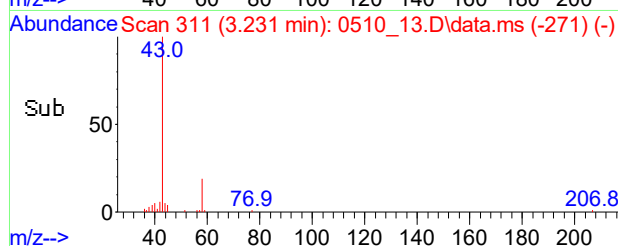
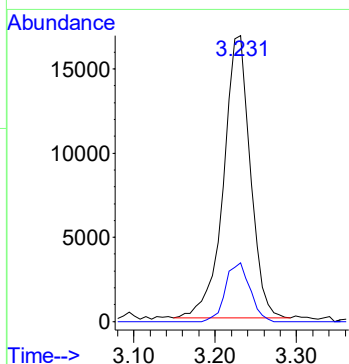
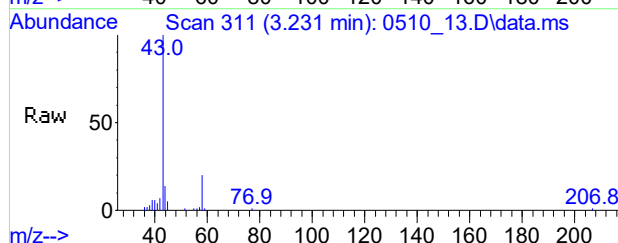
#3
Dichlorodifluoromethane
Conc: 8\$ 2.422 ppbv
RT: 1.513 min Scan# 62
Delta R.T. -0.000 min
Lab File: 0510_13.D
Acq: 10 May 2021 2:31 pm

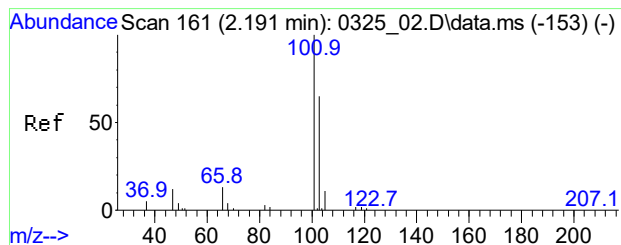
Tgt Ion: 85 Resp: 68445
Ion Ratio Lower Upper
85 100
87 32.9 25.8 38.8
101 9.6 7.3 10.9



#12
Acetone
Conc: 8\$ 1.150 ppbv
RT: 3.231 min Scan# 311
Delta R.T. -0.027 min
Lab File: 0510_13.D
Acq: 10 May 2021 2:31 pm

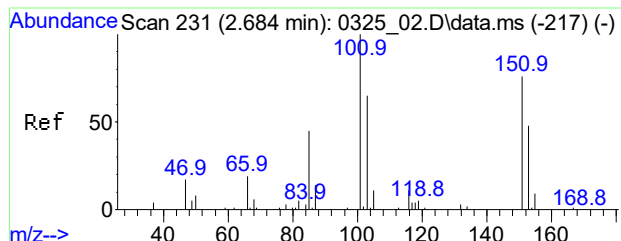
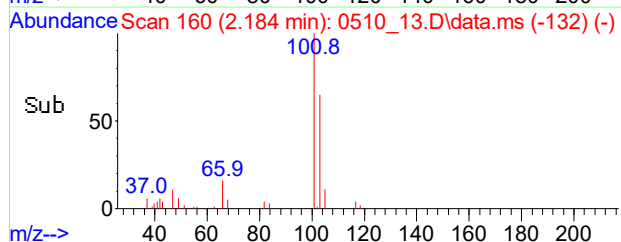
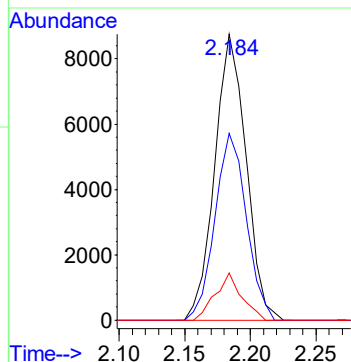
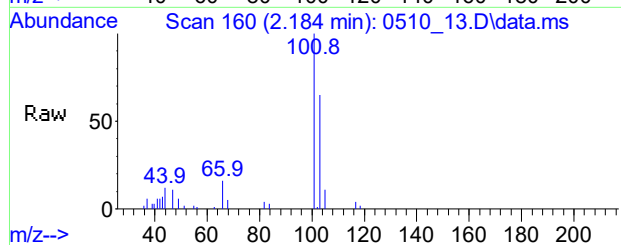
Tgt Ion: 43 Resp: 38272
Ion Ratio Lower Upper
43 100
58 18.9 15.0 22.4





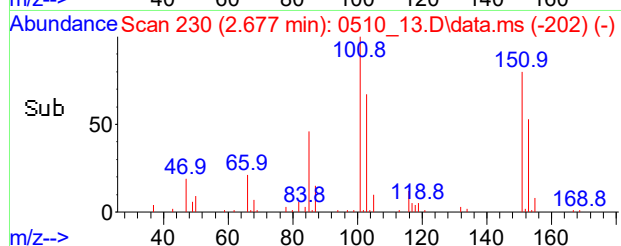
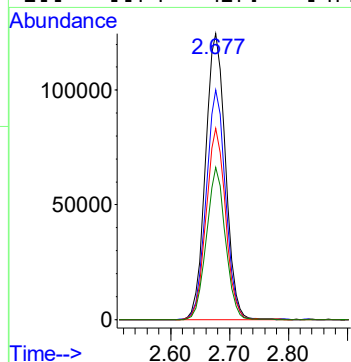
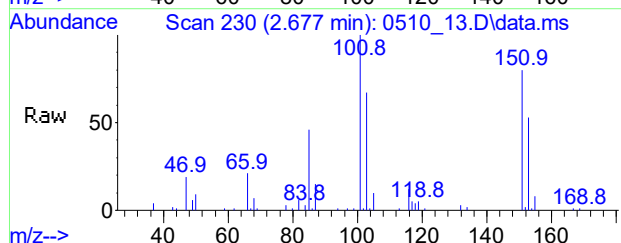
#13
Trichlorofluoromethane
Conc: 8\$ 0.429 ppbv
RT: 2.184 min Scan# 160
Delta R.T. -0.007 min
Lab File: 0510_13.D
Acq: 10 May 2021 2:31 pm

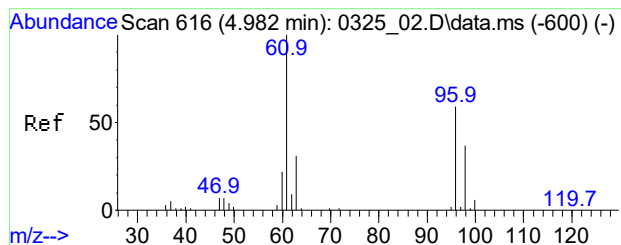
Tgt Ion	Ratio	Lower	Upper
101	100		
103	65.4	54.6	82.0
66	13.9	12.2	18.4



#21
Trichlorotrifluoroethane
Conc: 8\$ 12.606 ppbv
RT: 2.677 min Scan# 230
Delta R.T. -0.007 min
Lab File: 0510_13.D
Acq: 10 May 2021 2:31 pm

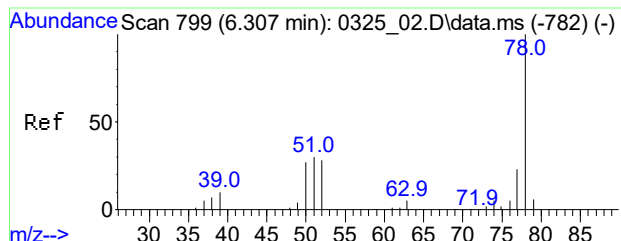
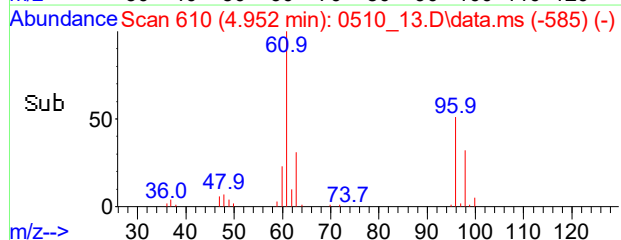
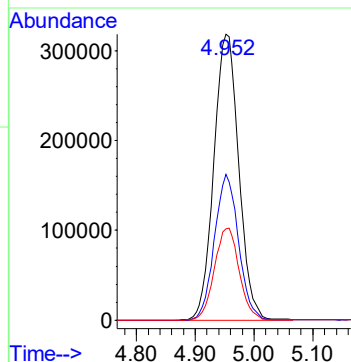
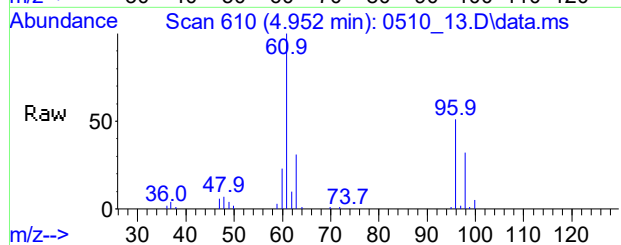
Tgt Ion	Ratio	Lower	Upper
101	100		
151	78.1	63.8	95.8
103	65.1	54.6	81.8
153	50.4	42.9	64.3





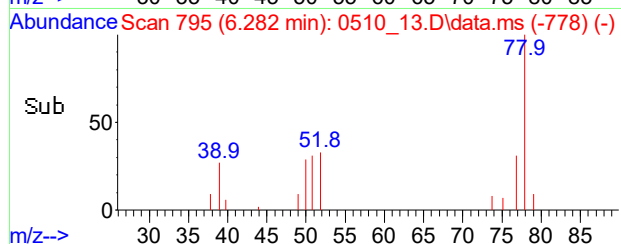
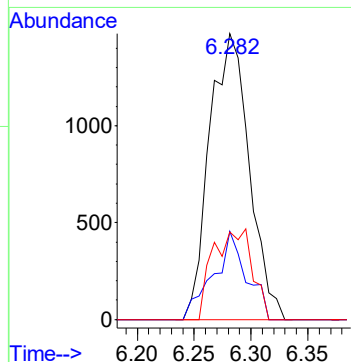
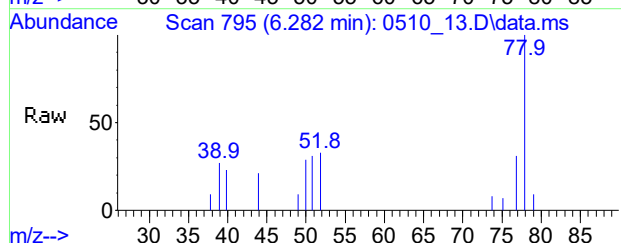
#26
Cis-1,2-Dichloroethene
Conc: 8\$ 47.599 ppbv
RT: 4.952 min Scan# 610
Delta R.T. -0.025 min
Lab File: 0510_13.D
Acq: 10 May 2021 2:31 pm

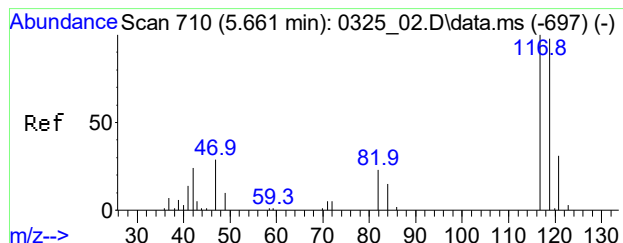
Tgt Ion: 61 Resp: 1075568
Ion Ratio Lower Upper
61 100
96 49.4 40.9 61.3
98 32.0 26.6 40.0



#33
Benzene
Conc: 8\$ Below Cal
RT: 6.282 min Scan# 795
Delta R.T. -0.032 min
Lab File: 0510_13.D
Acq: 10 May 2021 2:31 pm

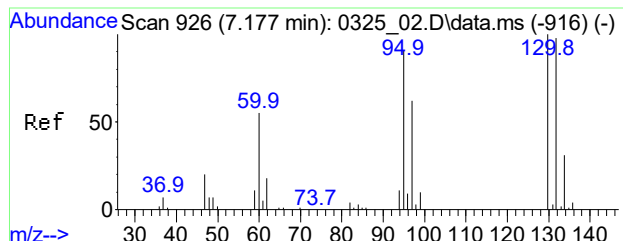
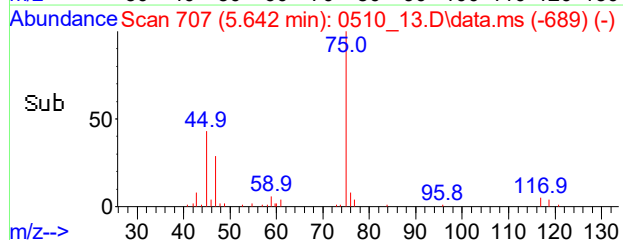
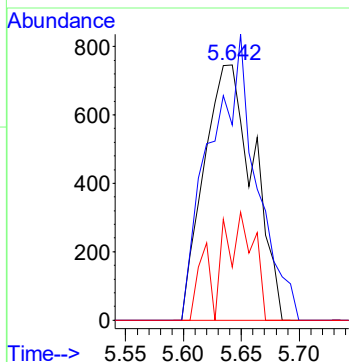
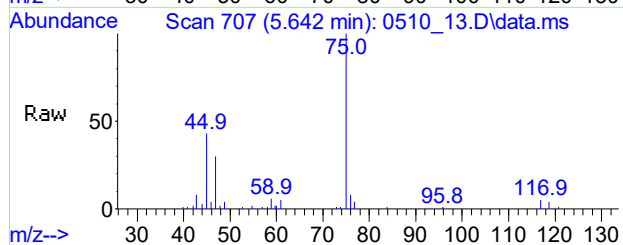
Tgt Ion: 78 Resp: 3586
Ion Ratio Lower Upper
78 100
77 25.7 19.1 28.7
51 31.0 30.3 45.5





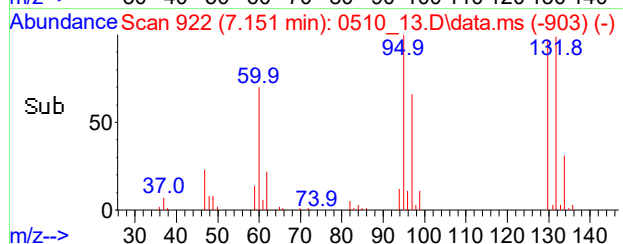
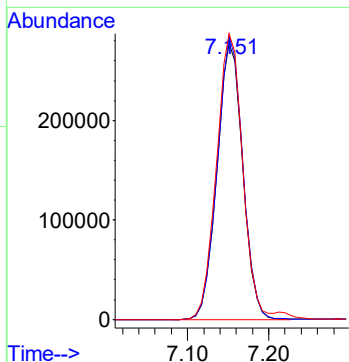
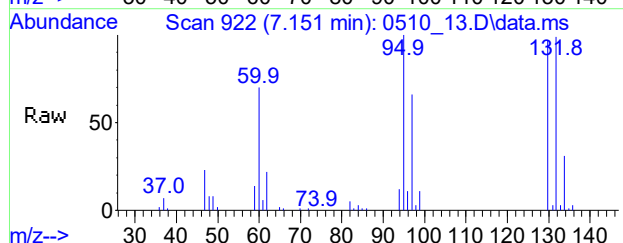
#34
Carbon Tetrachloride
Conc: 8\$ Below Cal
RT: 5.642 min Scan# 707
Delta R.T. -0.019 min
Lab File: 0510_13.D
Acq: 10 May 2021 2:31 pm

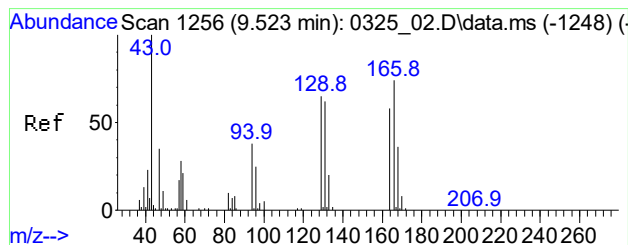
Tgt Ion	Ratio	Lower	Upper
117	100		
119	104.4	85.1	125.1
121	23.9	11.0	51.0



#39
Trichloroethene
Conc: 8\$ 36.663 ppbv
RT: 7.151 min Scan# 922
Delta R.T. -0.019 min
Lab File: 0510_13.D
Acq: 10 May 2021 2:31 pm

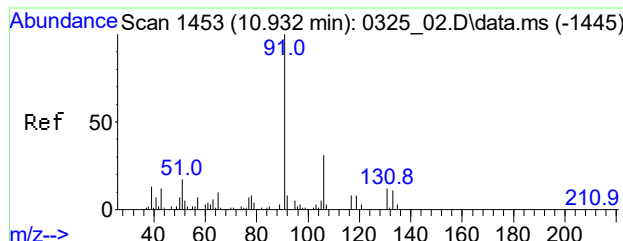
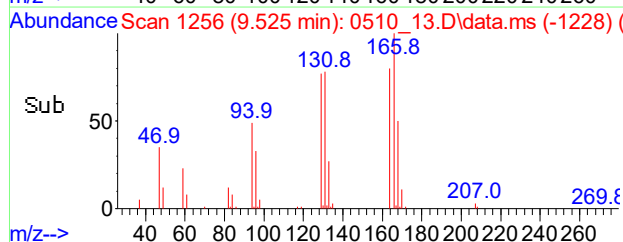
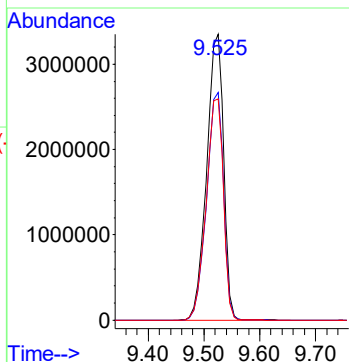
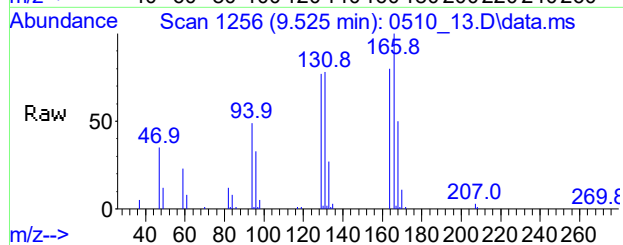
Tgt Ion	Ratio	Lower	Upper
130	100		
132	101.4	87.1	130.7
95	106.6	88.9	133.3





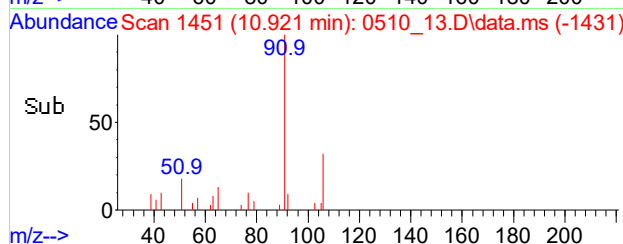
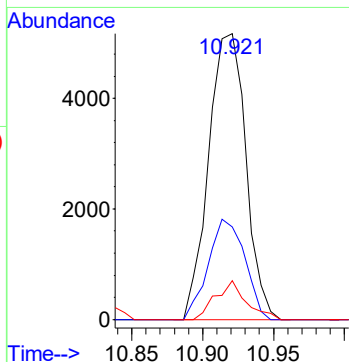
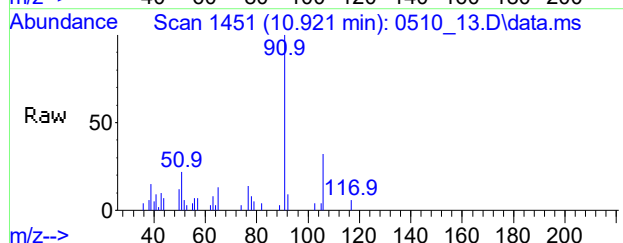
#52
Tetrachloroethene
Conc: 8\$ 302.322 ppbv
RT: 9.525 min Scan# 1256
Delta R.T. 0.002 min
Lab File: 0510_13.D
Acq: 10 May 2021 2:31 pm

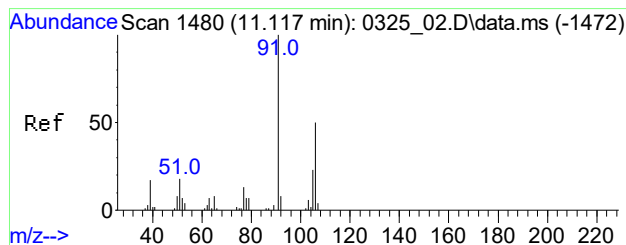
Tgt Ion: 166 Resp: 7053065
Ion Ratio Lower Upper
166 100
164 79.6 63.2 94.8
129 78.7 56.9 85.3



#56
Ethylbenzene
Conc: 8\$ 0.174 ppbv
RT: 10.921 min Scan# 1451
Delta R.T. -0.011 min
Lab File: 0510_13.D
Acq: 10 May 2021 2:31 pm

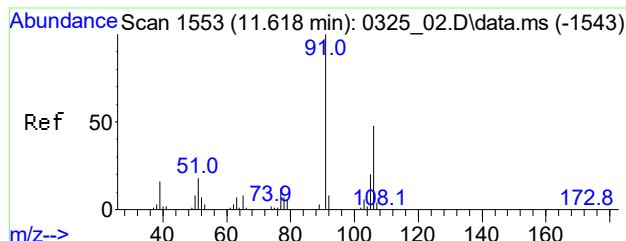
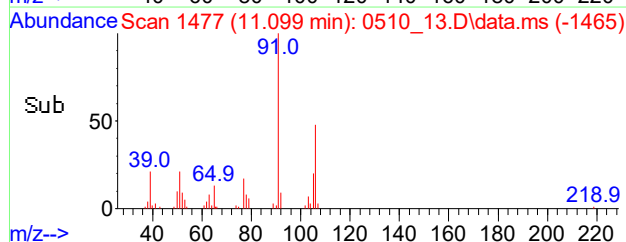
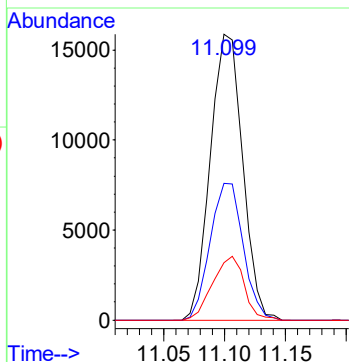
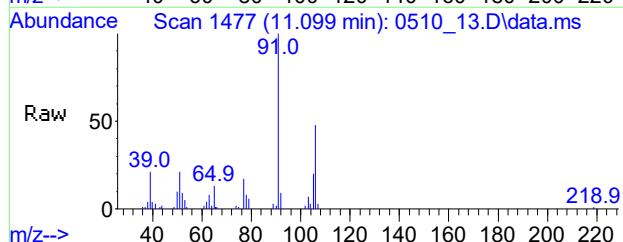
Tgt Ion: 91 Resp: 9430
Ion Ratio Lower Upper
91 100
106 34.4 17.7 57.7
77 11.0 0.0 32.7





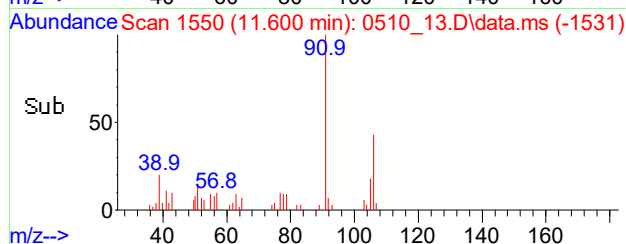
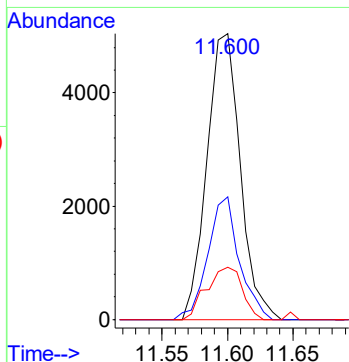
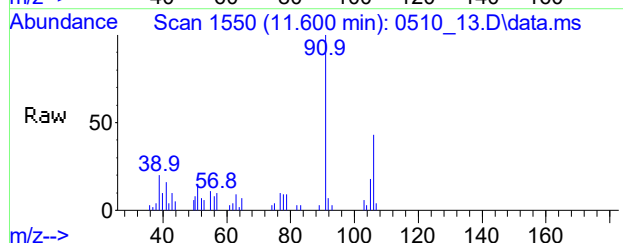
#57
m,p-Xylene
Conc: 8\$ 0.701 ppbv
RT: 11.099 min Scan# 1477
Delta R.T. -0.018 min
Lab File: 0510_13.D
Acq: 10 May 2021 2:31 pm

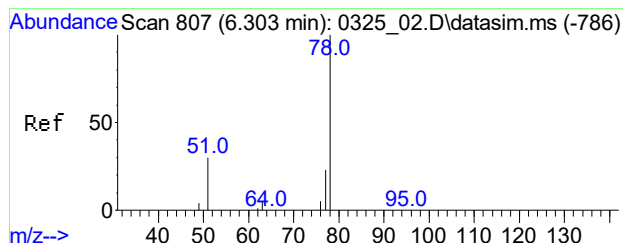
Tgt Ion	Ratio	Lower	Upper
91	100		
106	49.0	39.4	59.2
105	21.9	16.8	25.2



#61
o-Xylene
Conc: 8\$ 0.197 ppbv
RT: 11.600 min Scan# 1550
Delta R.T. -0.018 min
Lab File: 0510_13.D
Acq: 10 May 2021 2:31 pm

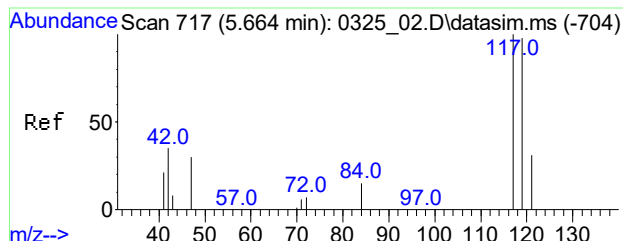
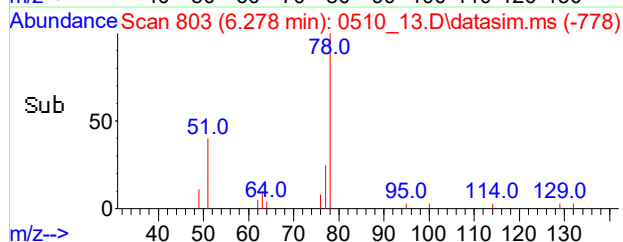
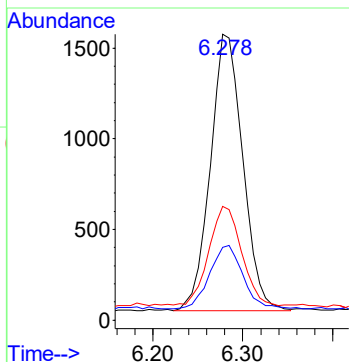
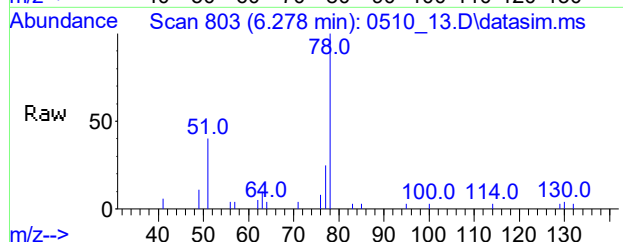
Tgt Ion	Ratio	Lower	Upper
91	100		
106	40.4	37.5	56.3
105	19.7	13.5	20.3





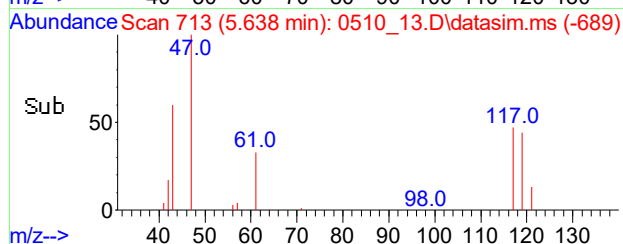
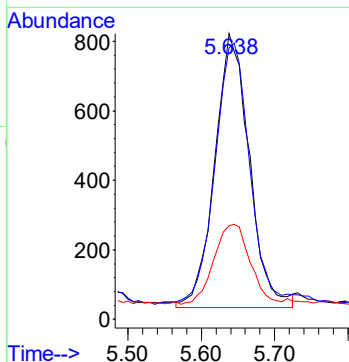
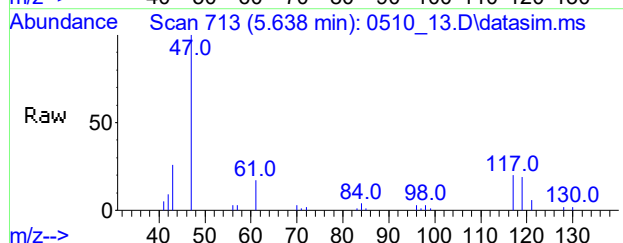
#86
Benzene(sim)
Conc: 8\$ 0.103 ppbv
RT: 6.278 min Scan# 803
Delta R.T. -0.025 min
Lab File: 0510_13.D
Acq: 10 May 2021 2:31 pm

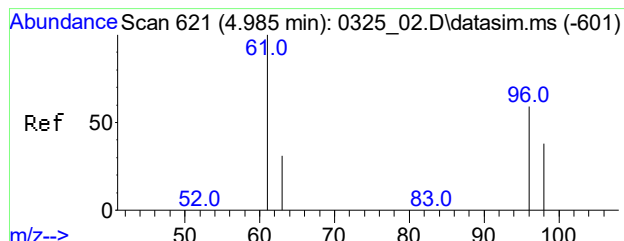
Tgt Ion: 78 Resp: 3823
Ion Ratio Lower Upper
78 100
77 23.8 18.6 28.0
51 35.6 25.4 38.2



#87
Carbon Tetrachloride(sim)
Conc: 8\$ 0.077 ppbv
RT: 5.638 min Scan# 713
Delta R.T. -0.023 min
Lab File: 0510_13.D
Acq: 10 May 2021 2:31 pm

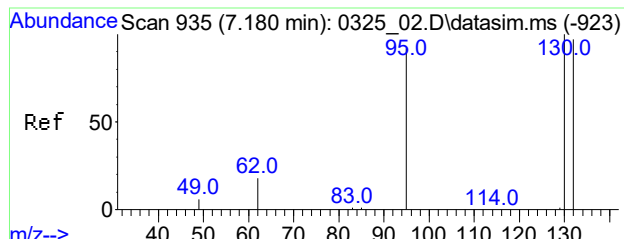
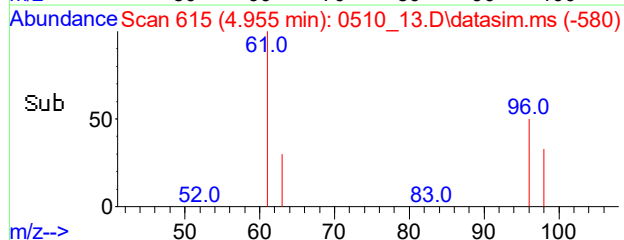
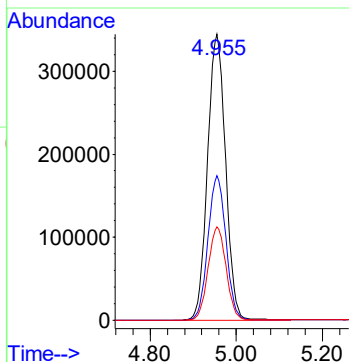
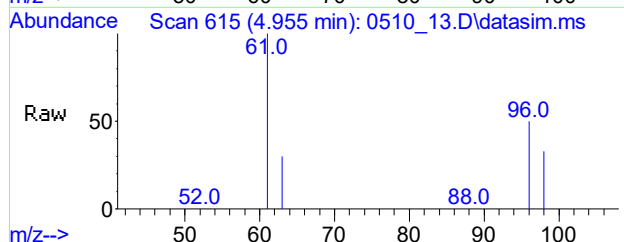
Tgt Ion: 117 Resp: 2579
Ion Ratio Lower Upper
117 100
119 83.7 84.7 127.1#
121 15.0 21.1 31.7#





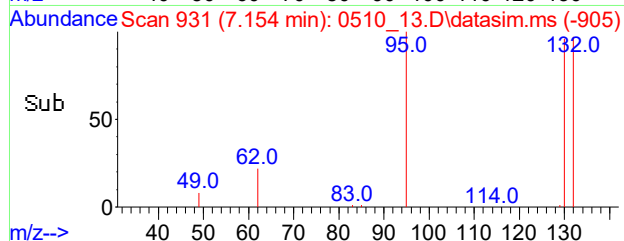
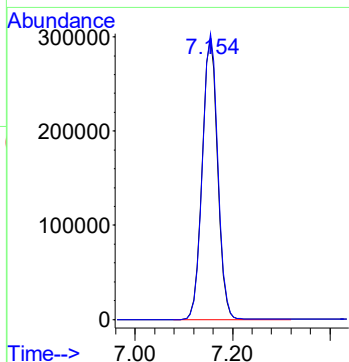
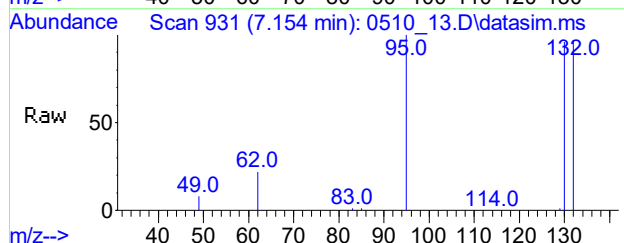
#92
Cis-1,2-Dichloroethene(sim)
Conc: 8\$ 44.235 ppbv
RT: 4.955 min Scan# 615
Delta R.T. -0.025 min
Lab File: 0510_13.D
Acq: 10 May 2021 2:31 pm

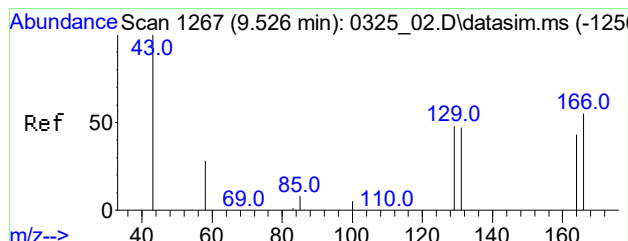
Tgt Ion	Ratio	Lower	Upper
61	100		
96	50.3	44.2	66.2
98	32.7	27.8	41.8



#98
Trichloroethene(sim)
Conc: 8\$ 35.838 ppbv
RT: 7.154 min Scan# 931
Delta R.T. -0.019 min
Lab File: 0510_13.D
Acq: 10 May 2021 2:31 pm

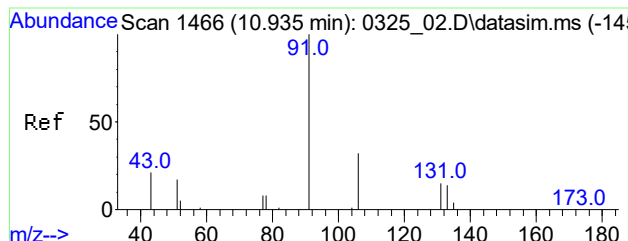
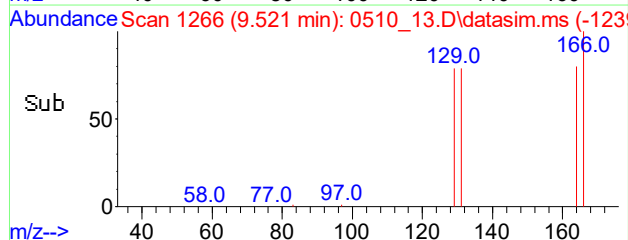
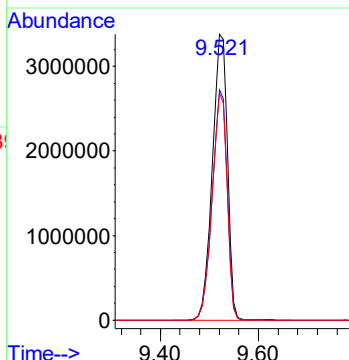
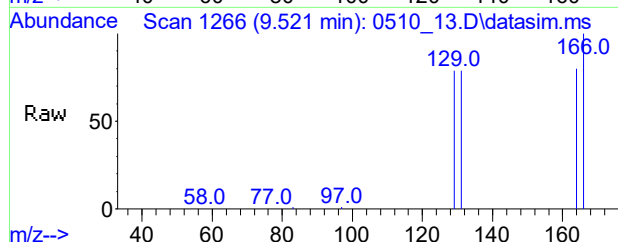
Tgt Ion	Ratio	Lower	Upper
130	100		
132	101.5	80.8	121.2





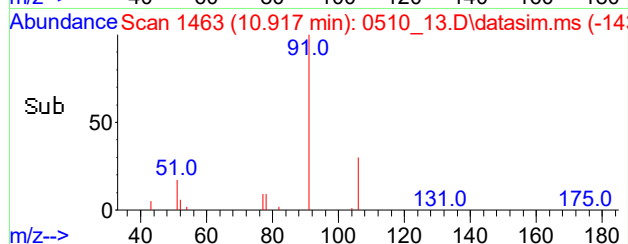
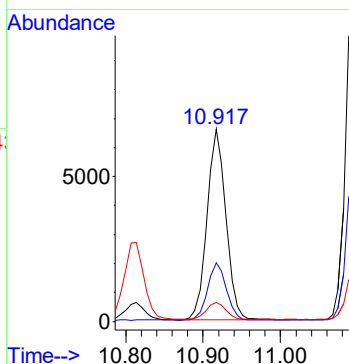
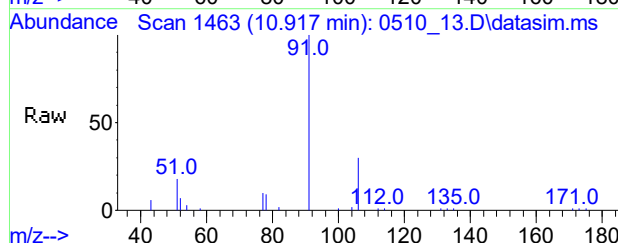
#104
Tetrachloroethene(sim)
Conc: 8\$ 290.788 ppbv
RT: 9.521 min Scan# 1266
Delta R.T. -0.005 min
Lab File: 0510_13.D
Acq: 10 May 2021 2:31 pm

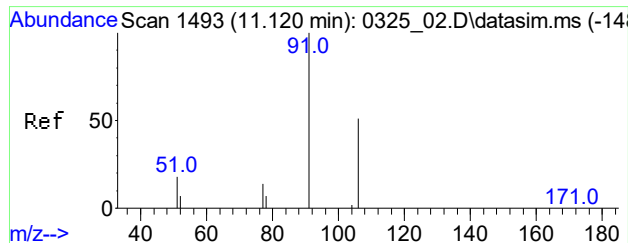
Tgt Ion: 166 Resp: 7261793
Ion Ratio Lower Upper
166 100
164 79.6 58.0 98.0
129 78.6 54.2 94.2



#108
Ethylbenzene(sim)
Conc: 8\$ 0.174 ppb
RT: 10.917 min Scan# 1463
Delta R.T. -0.018 min
Lab File: 0510_13.D
Acq: 10 May 2021 2:31 pm

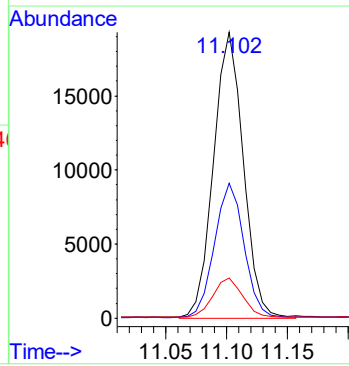
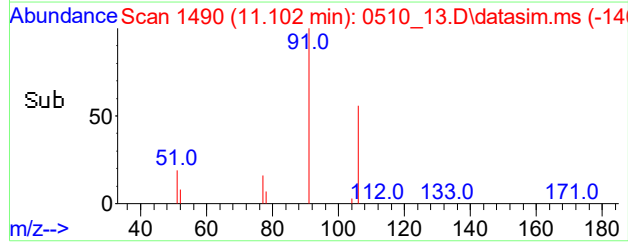
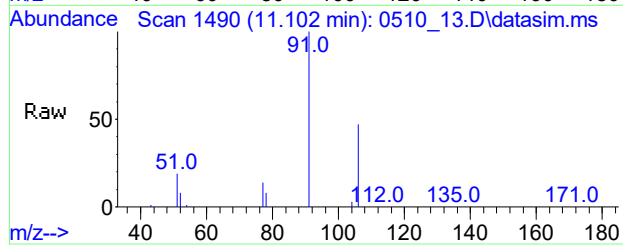
Tgt Ion: 91 Resp: 11084
Ion Ratio Lower Upper
91 100
106 30.0 24.8 37.2
77 9.0 7.5 11.3





#109
 m,p-Xylene(sim)
 Conc: 8\$ 0.676 ppbv
 RT: 11.099 min Scan# 1490
 Delta R.T. -0.018 min
 Lab File: 0510_13.D
 Acq: 10 May 2021 2:31 pm

Tgt Ion: 91 Resp: 28944
 Ion Ratio Lower Upper
 91 100
 106 49.0 44.4 54.2
 77 15.3 11.7 17.5



SCSSV-08 159.3X

ppbv

CAS NO.	COMPOUND	CONC.	Q	MDL	PQL	R
75-71-8	Dichlorodifluoromethane	31.9	U	31.9	31.9	
67-64-1	Acetone	159	U	159	159	
75-69-4	Trichlorofluoromethane	23.9	U	23.9	23.9	
76-13-1	Trichlorotrifluoroethane	23.9	U	23.9	23.9	
156-59-2	Cis-1,2-Dichloroethene	50.3	D	7.97	7.97	r
79-01-6	Trichloroethene	40.1	X	5.89	5.89	
127-18-4	Tetrachloroethene	309	D	15.9	15.9	r
95-47-6	o-Xylene	23.9	U	23.9	23.9	
71-43-2	Benzene(sim)	7.97	U	7.97	7.97	
56-23-5	Carbon Tetrachloride(sim)	3.19	U	3.19	3.19	
100-41-4	Ethylbenzene(sim)	23.9	U	23.9	23.9	
179601-23-1	m,p-Xylene(sim)	23.9	U	23.9	23.9	

r=Result Reported U=Not Detected D=Reported Dilution E/J=Estimated Value X=Not Used S=Lab Solvent
This form 1 and the associated quantitation report are filtered for detected compounds in the undiluted analysis.

Data Path : H:\AIR2021\CHEM24\05MAY\10\
 Data File : 0510_27.D
 Acq On : 10 May 2021 10:57 pm
 Operator : Keith
 Client ID : SCSSV-08 159.3X
 Lab ID : CI26497 159.3X
 ALS Vial : 27 Sample Multiplier: 1

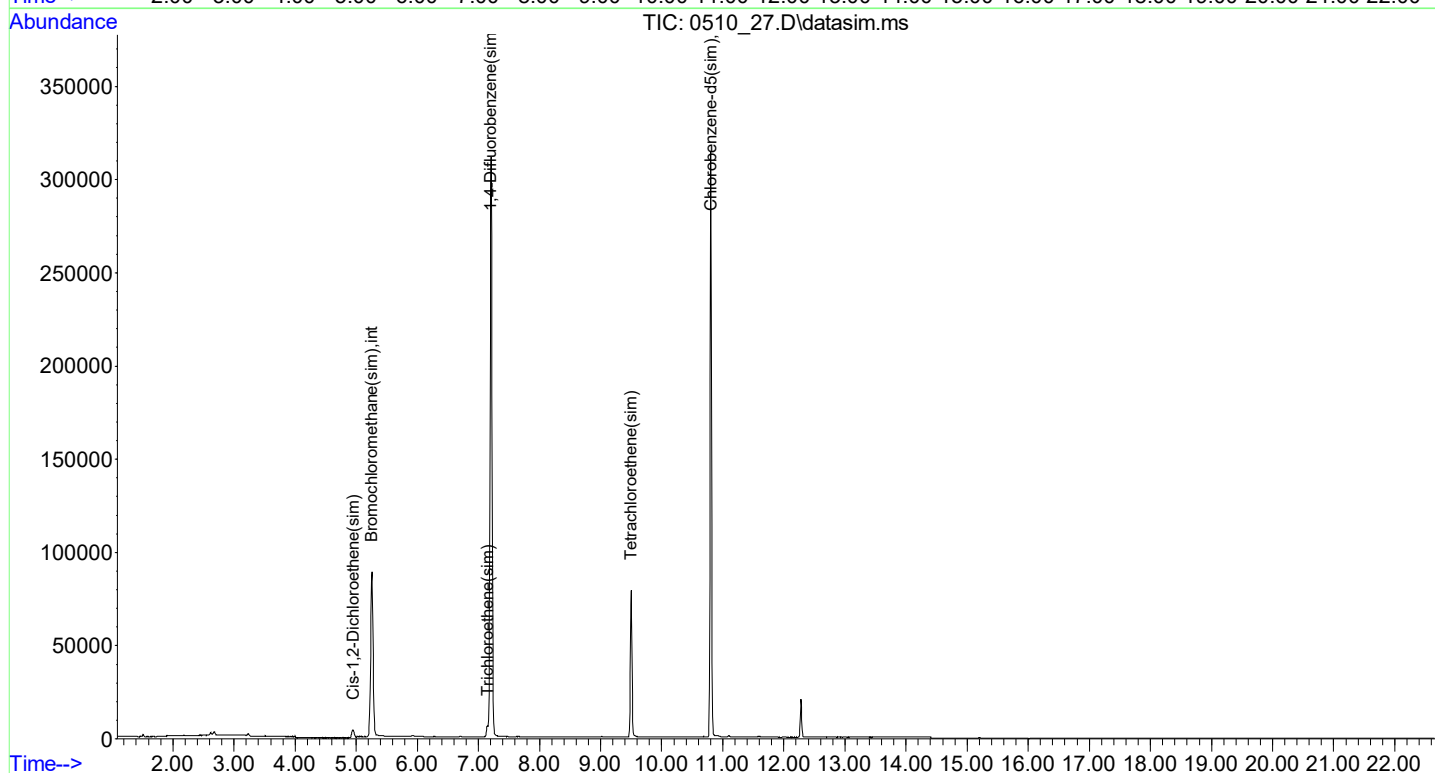
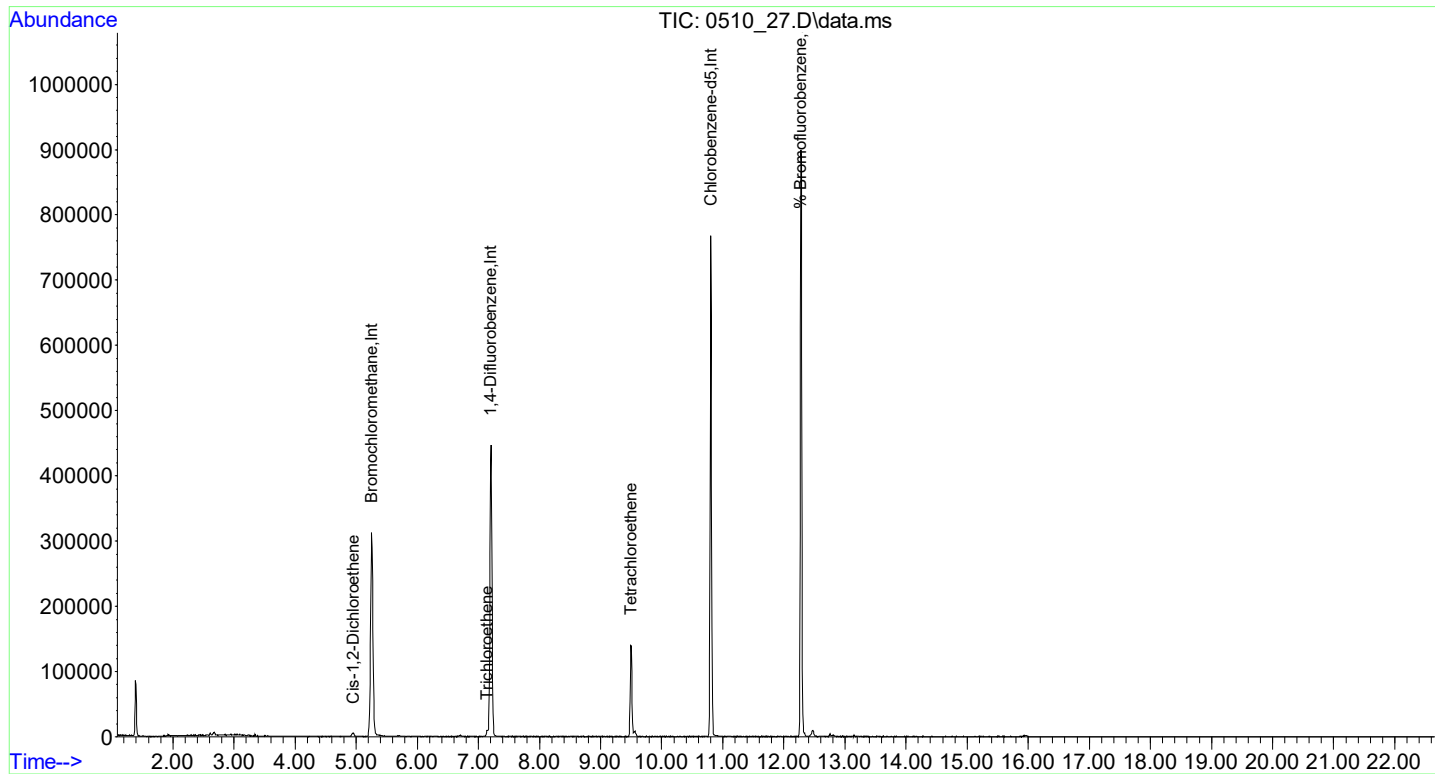
Quant Time: May 11 08:35:11 2021
 Quant Method : H:\AIR2021\CHEM24\METHODS\24AIR_0421.M
 Quant Title : VOA Standards for 5 point calibration
 QLast Update : Thu Apr 22 08:23:13 2021
 Response via : Initial Calibration

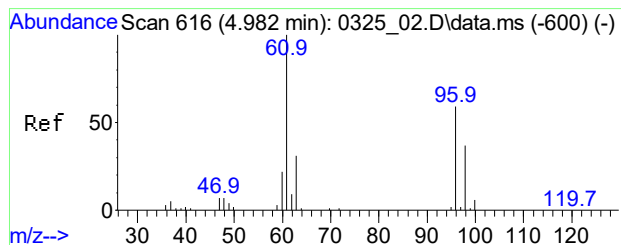
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	5.253	130	115995	10.000	ng	-0.04
36) 1,4-Difluorobenzene	7.206	114	367961	10.000	ng	-0.03
53) Chlorobenzene-d5	10.804	82	196635	10.000	ng	-0.03
80) Bromochloromethane(sim)	5.255	130	122334	10.000	ng	#-0.03
95) 1,4-Difluorobenzene(sim)	7.206	114	367961	10.000	ng	-0.03
105) Chlorobenzene-d5(sim)	10.804	82	196635	10.000	ng	-0.03
System Monitoring Compounds						
62) % Bromofluorobenzene	12.279	95	273019	9.900	ppbv	-0.02
Spiked Amount	10.000	Range	70 - 130	Recovery	=	99.00%
Target Compounds						
					Qvalue	
26) Cis-1,2-Dichloroethene	4.952	61	6501	0.316	ppbv#	85
39) Trichloroethene	7.144	130	3794	0.252	ppbv	89
52) Tetrachloroethene	9.496	166	40994	1.940	ppbv	96
92] Cis-1,2-Dichloroethene...	4.950	61	6184	0.262	ppbv	97
98] Trichloroethene(sim)	7.147	130	3917	0.236	ppbv	99
104] Tetrachloroethene(sim)	9.499	166	44216	1.955	ppbv	97

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

Data Path : H:\AIR2021\CHEM24\05MAY\10\
Data File : 0510_27.D
Acq On : 10 May 2021 10:57 pm
Operator : Keith
Client ID : SCSSV-08 159.3X
Lab ID : CI26497 159.3X
ALS Vial : 27 Sample Multiplier: 1

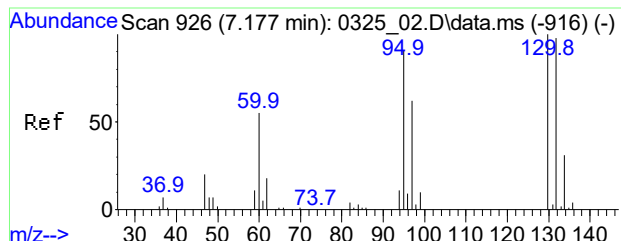
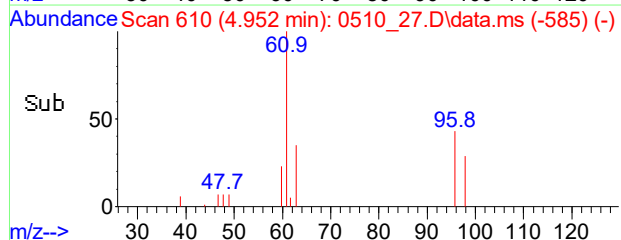
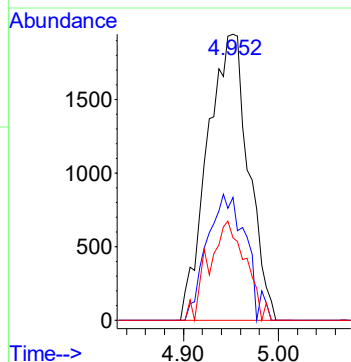
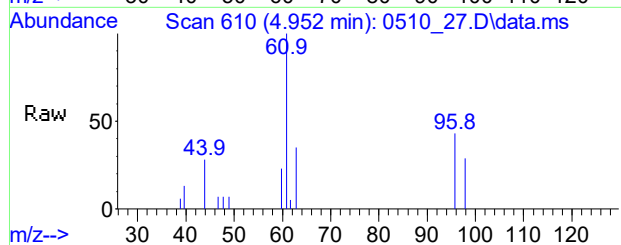
Quant Time: May 11 08:35:11 2021
Quant Method : H:\AIR2021\CHEM24\METHODS\24AIR_0421.M
Quant Title : VOA Standards for 5 point calibration
QLast Update : Thu Apr 22 08:23:13 2021
Response via : Initial Calibration





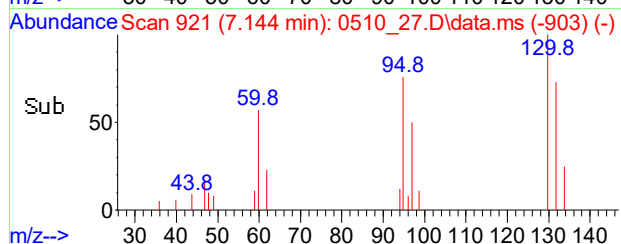
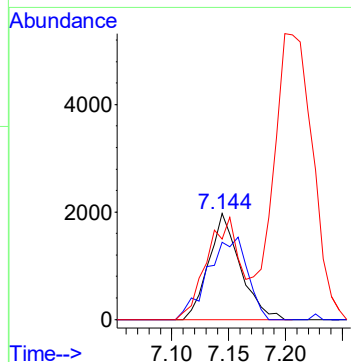
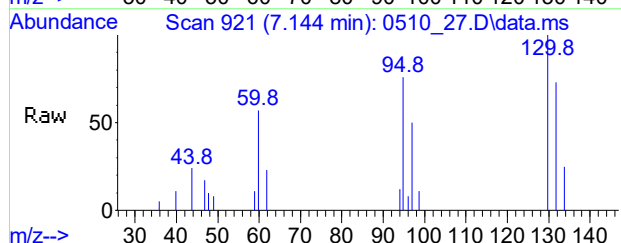
#26
Cis-1,2-Dichloroethene
Conc: 8\$ 0.316 ppbv
RT: 4.952 min Scan# 610
Delta R.T. -0.025 min
Lab File: 0510_27.D
Acq: 10 May 2021 10:57 pm

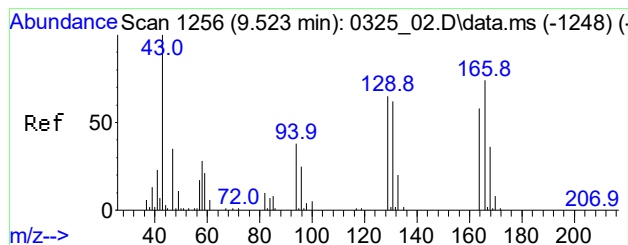
Tgt Ion: 61 Resp: 6501
Ion Ratio Lower Upper
61 100
96 37.6 40.9 61.3#
98 27.9 26.6 40.0



#39
Trichloroethene
Conc: 8\$ 0.252 ppbv
RT: 7.144 min Scan# 921
Delta R.T. -0.026 min
Lab File: 0510_27.D
Acq: 10 May 2021 10:57 pm

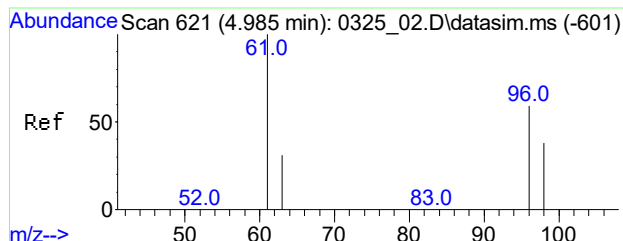
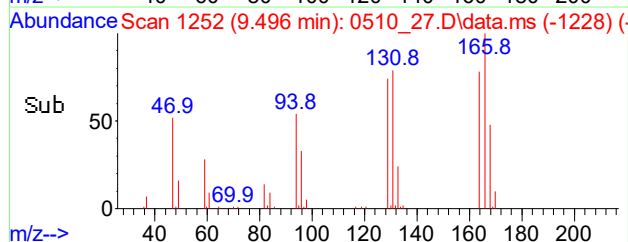
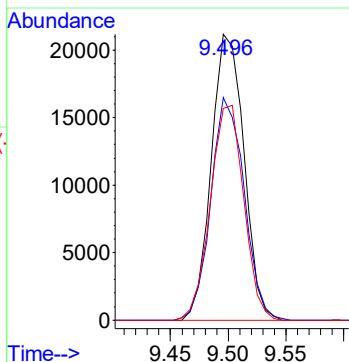
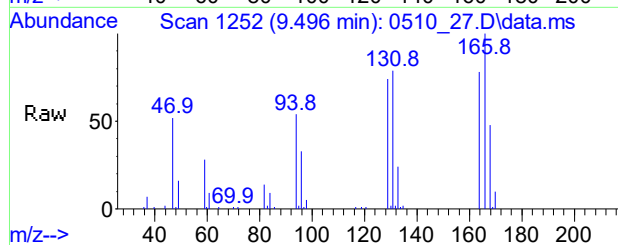
Tgt Ion: 130 Resp: 3794
Ion Ratio Lower Upper
130 100
132 96.8 87.1 130.7
95 99.1 88.9 133.3





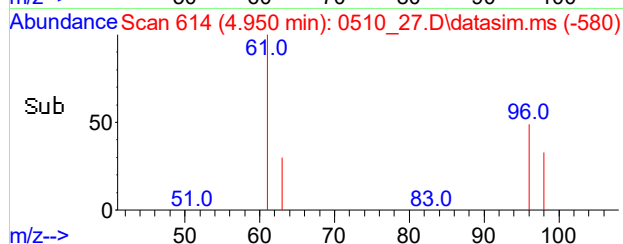
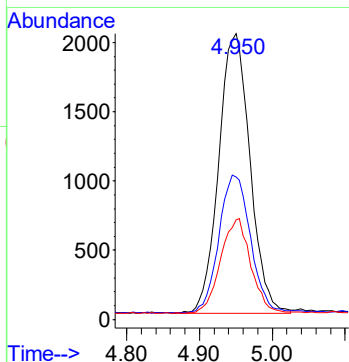
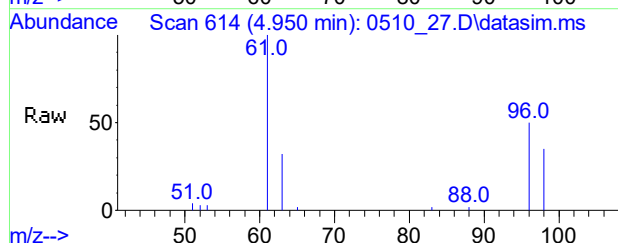
#52
Tetrachloroethene
Conc: 8\$ 1.940 ppbv
RT: 9.496 min Scan# 1252
Delta R.T. -0.027 min
Lab File: 0510_27.D
Acq: 10 May 2021 10:57 pm

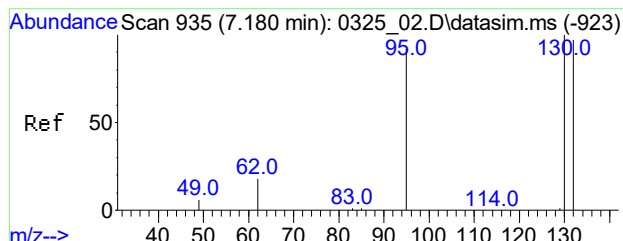
Tgt Ion: 166 Resp: 40994
Ion Ratio Lower Upper
166 100
164 79.5 63.2 94.8
129 77.0 56.9 85.3



#92
Cis-1,2-Dichloroethene(sim)
Conc: 8\$ 0.262 ppbv
RT: 4.950 min Scan# 614
Delta R.T. -0.030 min
Lab File: 0510_27.D
Acq: 10 May 2021 10:57 pm

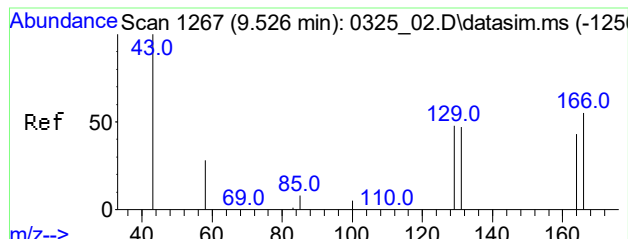
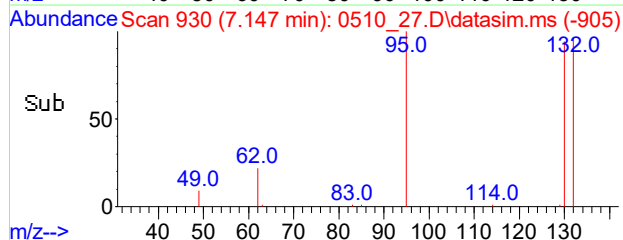
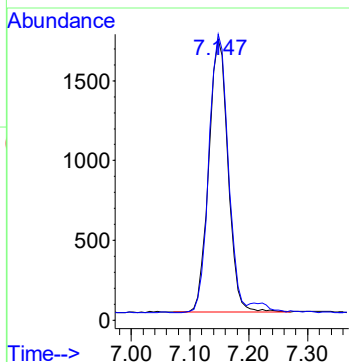
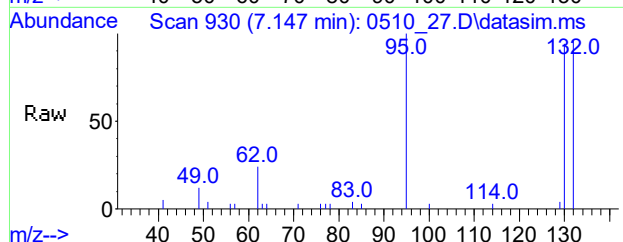
Tgt Ion: 61 Resp: 6184
Ion Ratio Lower Upper
61 100
96 52.2 44.2 66.2
98 34.0 27.8 41.8





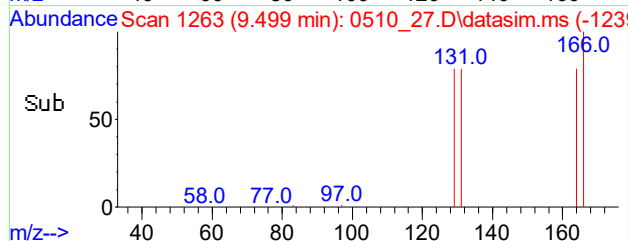
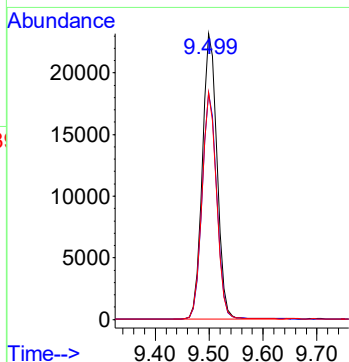
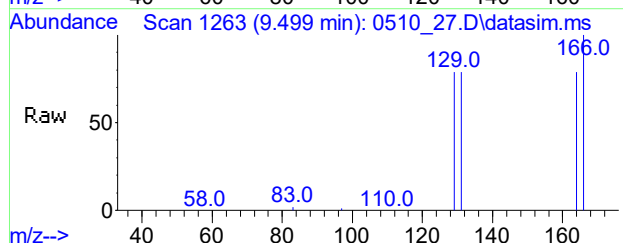
#98
Trichloroethene(sim)
Conc: 8\$ 0.236 ppbv
RT: 7.147 min Scan# 930
Delta R.T. -0.026 min
Lab File: 0510_27.D
Acq: 10 May 2021 10:57 pm

Tgt Ion:130 Resp: 3917
Ion Ratio Lower Upper
130 100
132 101.7 80.8 121.2



#104
Tetrachloroethene(sim)
Conc: 8\$ 1.955 ppbv
RT: 9.499 min Scan# 1263
Delta R.T. -0.027 min
Lab File: 0510_27.D
Acq: 10 May 2021 10:57 pm

Tgt Ion:166 Resp: 44216
Ion Ratio Lower Upper
166 100
164 78.8 58.0 98.0
129 78.3 54.2 94.2



Dilution Factor: 1

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Data Path : H:\AIR2021\CHEM24\05MAY\10\
 Data File : 0510_14.D
 Acq On : 10 May 2021 3:12 pm
 Operator : Keith
 Client ID : SCAA-01
 Lab ID : CI26498
 ALS Vial : 14 Sample Multiplier: 1

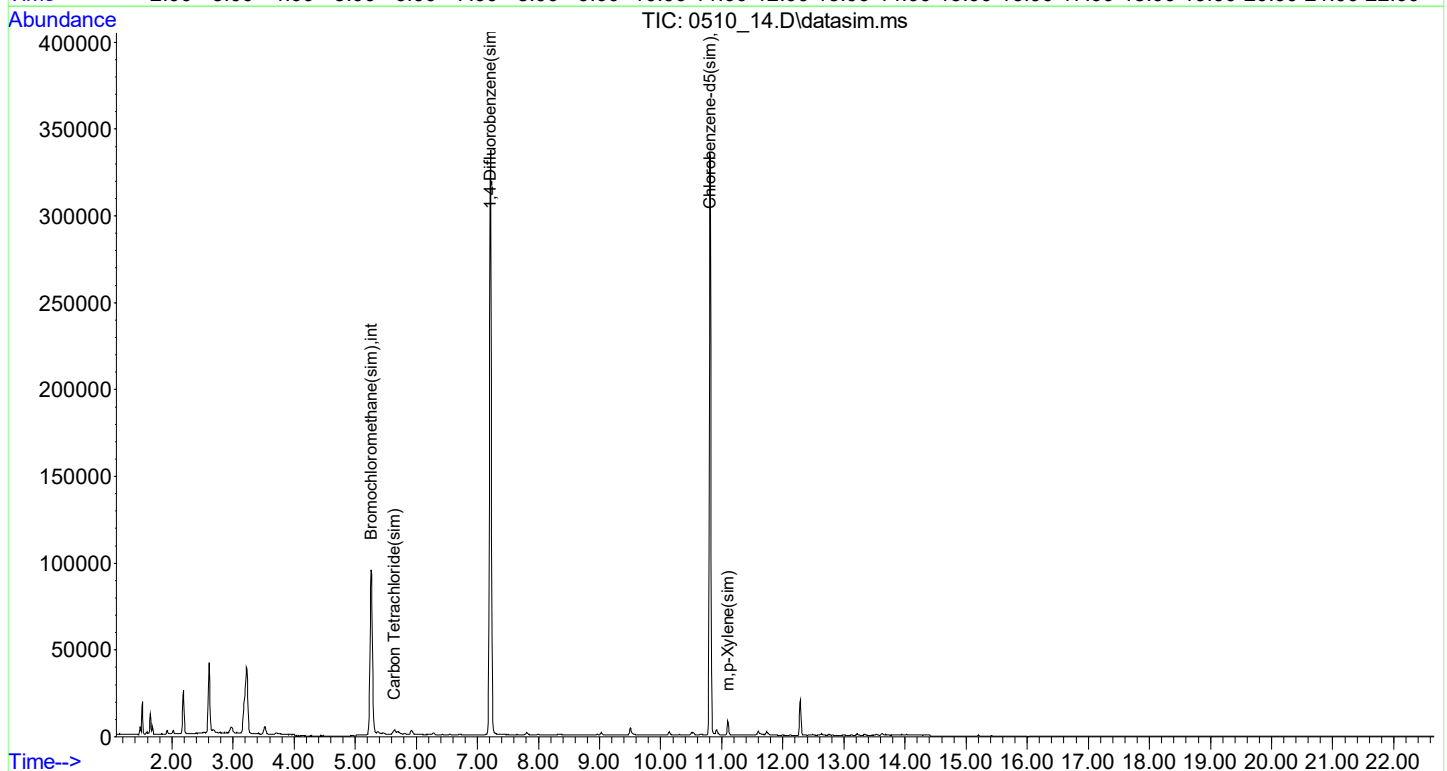
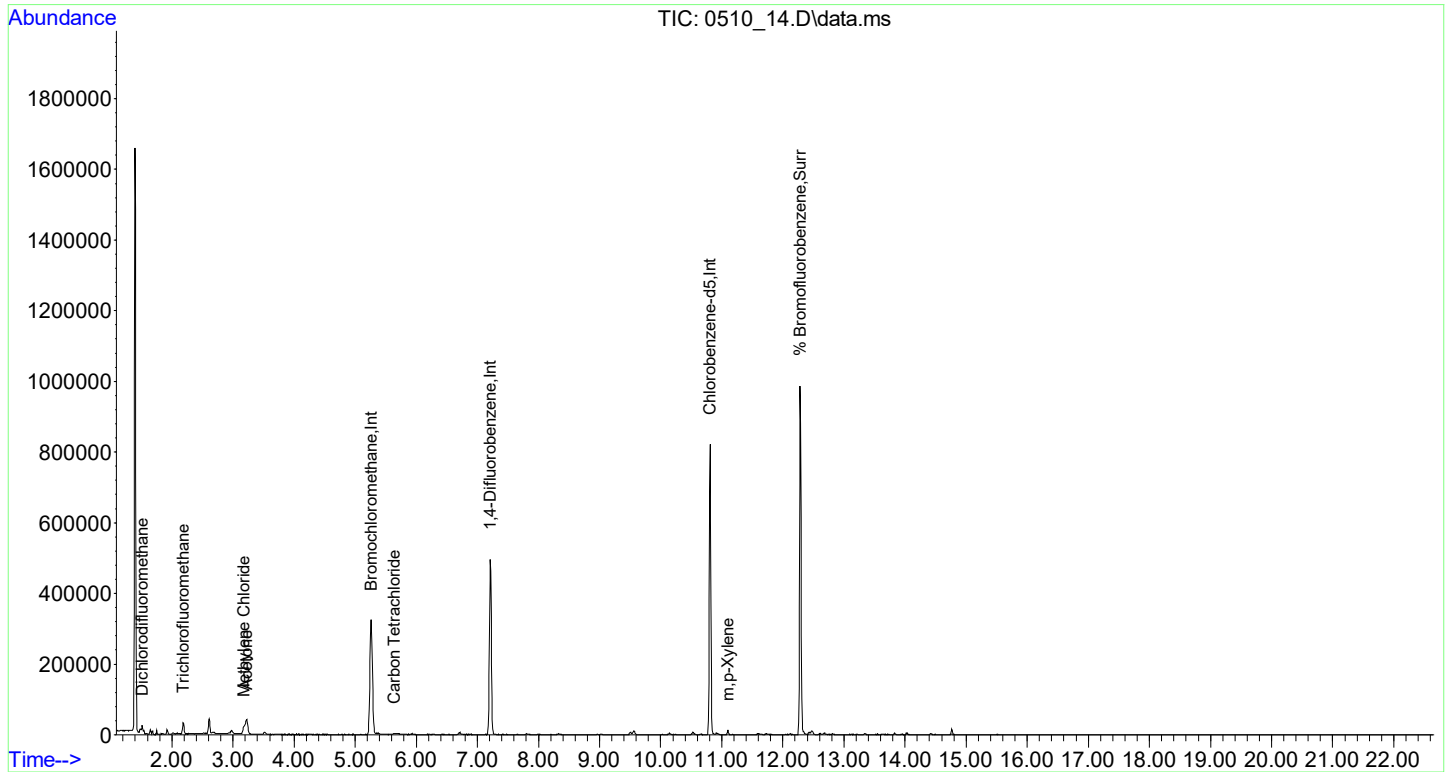
Quant Time: May 10 15:47:14 2021
 Quant Method : H:\AIR2021\CHEM24\METHODS\24AIR_0421.M
 Quant Title : VOA Standards for 5 point calibration
 QLast Update : Thu Apr 22 08:23:13 2021
 Response via : Initial Calibration

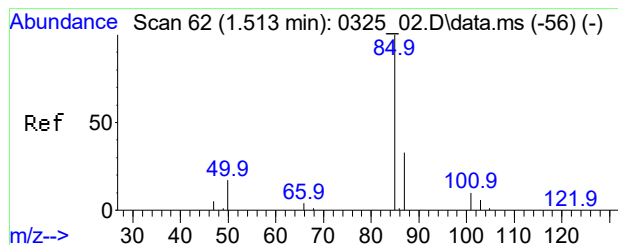
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	5.265	130	125408	10.000	ng	-0.03
36) 1,4-Difluorobenzene	7.211	114	410506	10.000	ng	-0.03
53) Chlorobenzene-d5	10.809	82	210806	10.000	ng	-0.02
80) Bromochloromethane(sim)	5.261	130	132259	10.000	ng	#-0.03
95) 1,4-Difluorobenzene(sim)	7.211	114	410506	10.000	ng	-0.03
105) Chlorobenzene-d5(sim)	10.809	82	210806	10.000	ng	-0.02
System Monitoring Compounds						
62) % Bromofluorobenzene	12.283	95	294553	9.963	ppbv	-0.02
Spiked Amount	10.000	Range	70 - 130	Recovery	=	99.60%
Target Compounds						
						Qvalue
3) Dichlorodifluoromethane	1.513	85	11554	0.415	ppbv	97
12) Acetone	3.224	43	50940	1.555	ppbv	99
13) Trichlorofluoromethane	2.184	101	20701	0.631	ppbv	99
17) Methylene Chloride	3.176	49	13078	0.587	ppbv	90
34) Carbon Tetrachloride	5.640	117	2976	0.096	ppbv	87
57) m,p-Xylene	11.097	91	6422	0.161	ppbv	95
87] Carbon Tetrachloride(sim)	5.640	117	2435	0.074	ppbv#	97
109] m,p-Xylene(sim)	11.097	91	6422	0.155	ppbv	96

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

Data Path : H:\AIR2021\CHEM24\05MAY\10\
Data File : 0510_14.D
Acq On : 10 May 2021 3:12 pm
Operator : Keith
Client ID : SCAA-01
Lab ID : CI26498
ALS Vial : 14 Sample Multiplier: 1

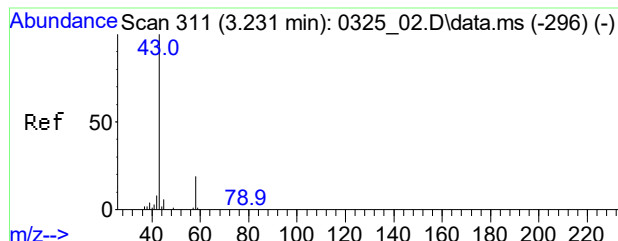
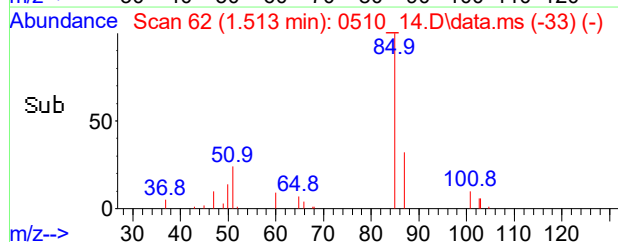
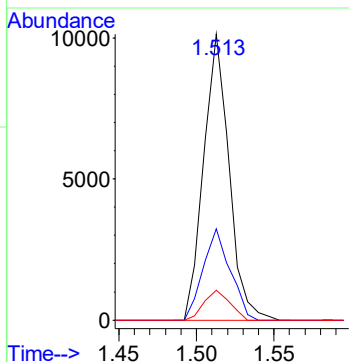
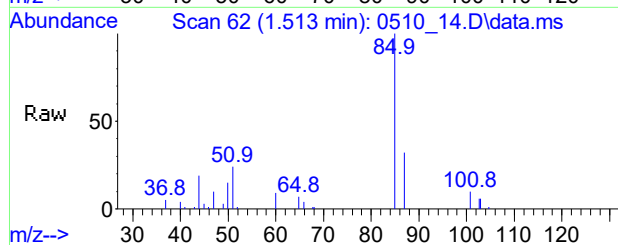
Quant Time: May 10 15:47:14 2021
Quant Method : H:\AIR2021\CHEM24\METHODS\24AIR_0421.M
Quant Title : VOA Standards for 5 point calibration
QLast Update : Thu Apr 22 08:23:13 2021
Response via : Initial Calibration





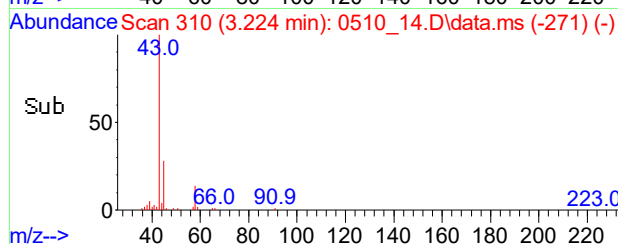
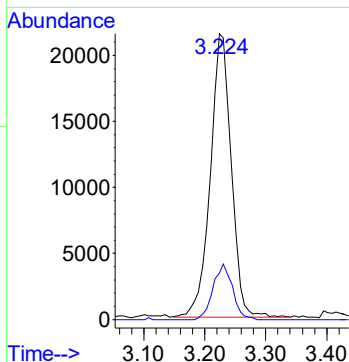
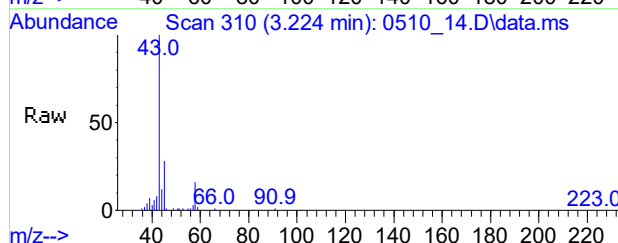
#3
Dichlorodifluoromethane
Conc: 8\$ 0.415 ppbv
RT: 1.513 min Scan# 62
Delta R.T. -0.000 min
Lab File: 0510_14.D
Acq: 10 May 2021 3:12 pm

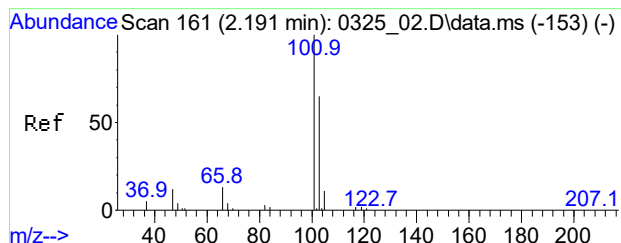
Tgt Ion: 85 Resp: 11554
Ion Ratio Lower Upper
85 100
87 34.1 25.8 38.8
101 10.6 7.3 10.9



#12
Acetone
Conc: 8\$ 1.555 ppbv
RT: 3.224 min Scan# 310
Delta R.T. -0.034 min
Lab File: 0510_14.D
Acq: 10 May 2021 3:12 pm

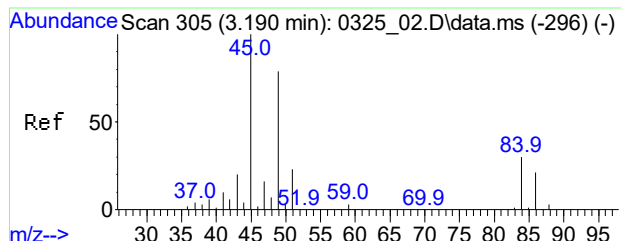
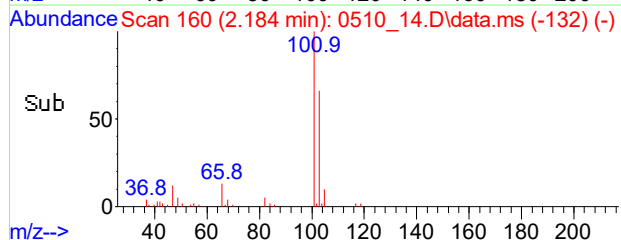
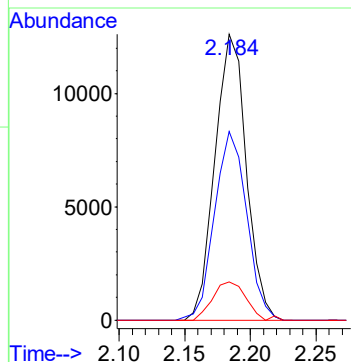
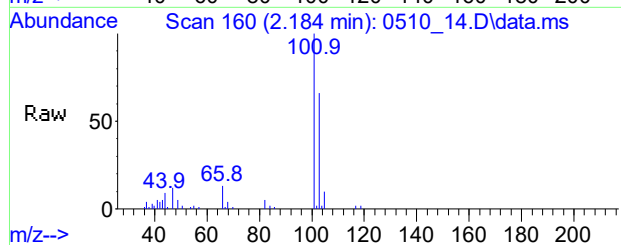
Tgt Ion: 43 Resp: 50940
Ion Ratio Lower Upper
43 100
58 18.0 15.0 22.4





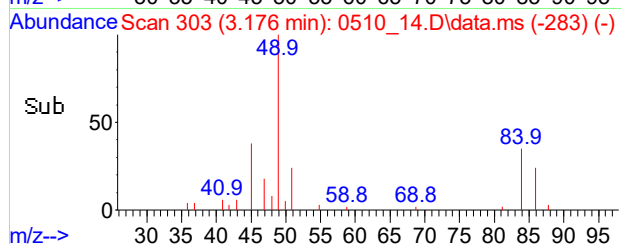
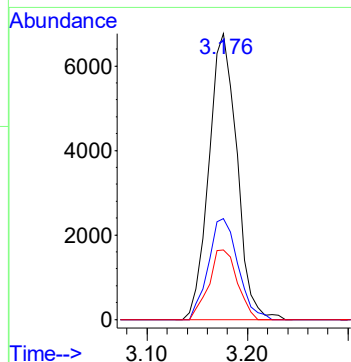
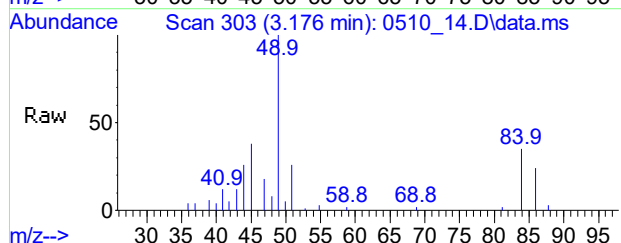
#13
Trichlorofluoromethane
Conc: 8\$ 0.631 ppbv
RT: 2.184 min Scan# 160
Delta R.T. -0.007 min
Lab File: 0510_14.D
Acq: 10 May 2021 3:12 pm

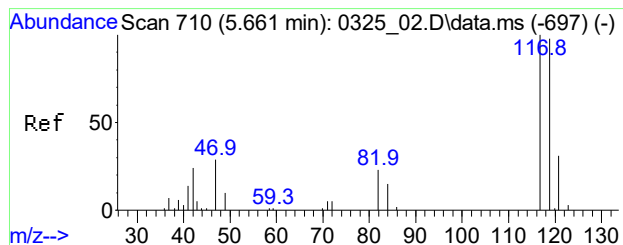
Tgt Ion	Ratio	Lower	Upper
101	100		
103	67.7	54.6	82.0
66	14.5	12.2	18.4



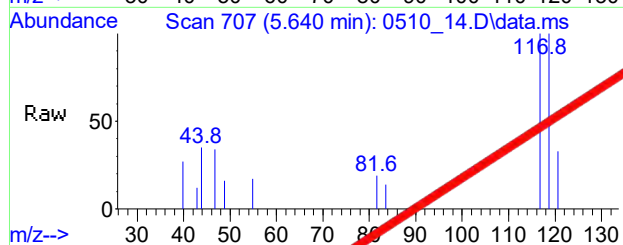
#17
Methylene Chloride
Conc: 8\$ 0.587 ppbv
RT: 3.176 min Scan# 303
Delta R.T. -0.014 min
Lab File: 0510_14.D
Acq: 10 May 2021 3:12 pm

Tgt Ion	Ratio	Lower	Upper
49	100		
84	37.4	36.2	54.2
86	24.7	22.3	33.5

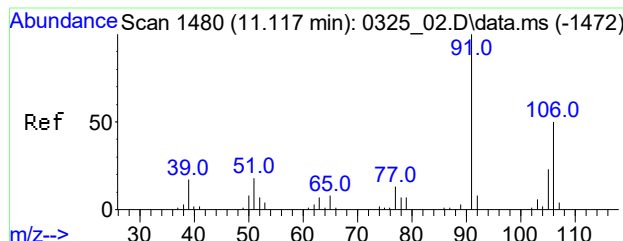
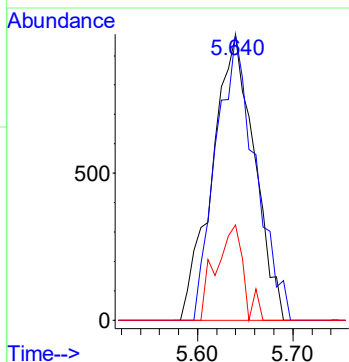
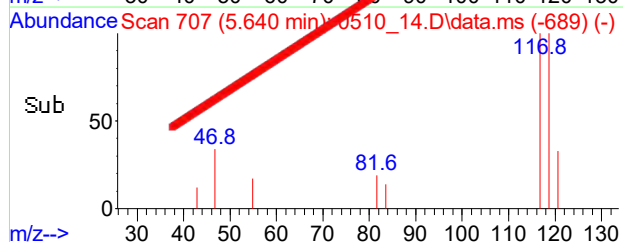




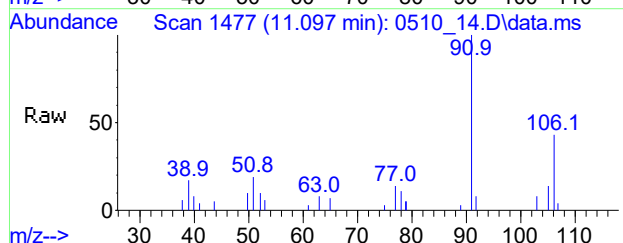
#34
Carbon Tetrachloride
Conc: 8% Below Cal
RT: 5.640 min Scan# 707
Delta R.T. -0.021 min
Lab File: 0510_14.D
Acq: 10 May 2021 3:12 pm



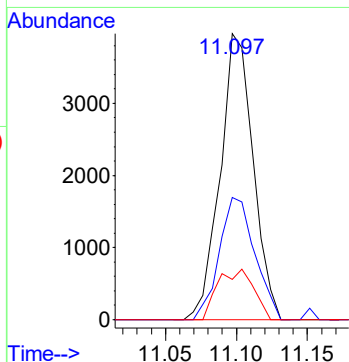
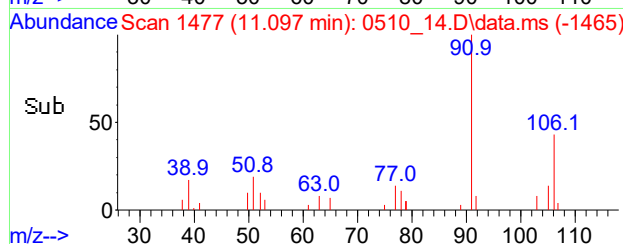
Tgt Ion: 117 Resp: 2976
Ion Ratio Lower Upper
117 100
119 93.4 85.1 125.1
121 21.7 11.0 51.0

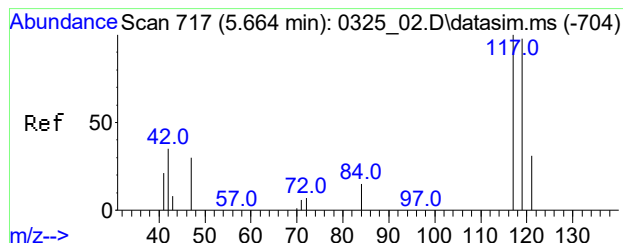


#57
m,p-Xylene
Conc: 8% 0.161 ppbv
RT: 11.097 min Scan# 1477
Delta R.T. -0.020 min
Lab File: 0510_14.D
Acq: 10 May 2021 3:12 pm



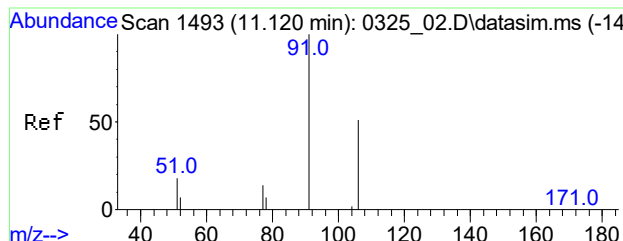
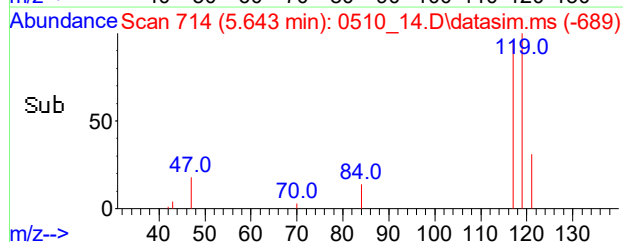
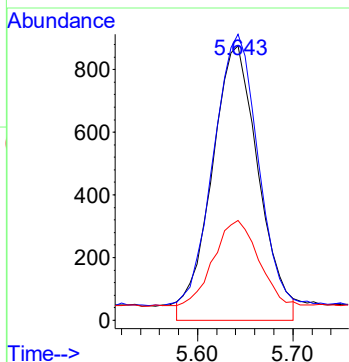
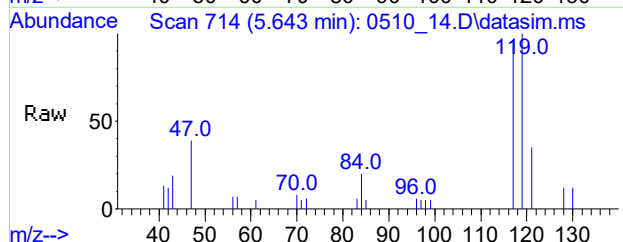
Tgt Ion: 91 Resp: 6422
Ion Ratio Lower Upper
91 100
106 45.9 39.4 59.2
105 19.2 16.8 25.2





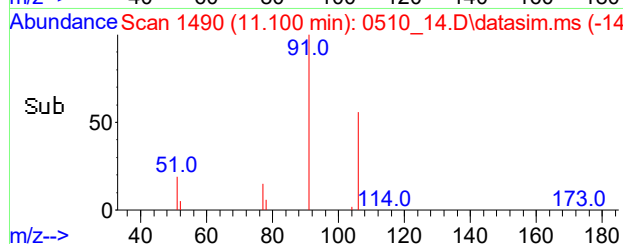
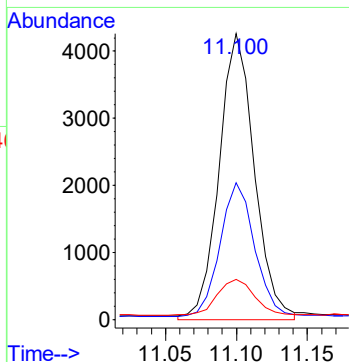
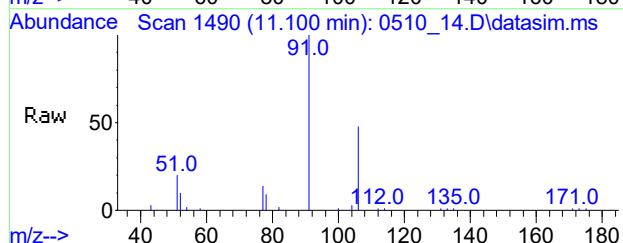
#87
Carbon Tetrachloride(sim)
Conc: 8\$ 0.074 ppbv
RT: 5.640 min Scan# 714
Delta R.T. -0.021 min
Lab File: 0510_14.D
Acq: 10 May 2021 3:12 pm

Tgt Ion: 117 Resp: 2435
Ion Ratio Lower Upper
117 100
119 106.4 84.7 127.1
121 20.8 21.1 31.7#



#109
m,p-Xylene(sim)
Conc: 8\$ 0.155 ppbv
RT: 11.097 min Scan# 1490
Delta R.T. -0.020 min
Lab File: 0510_14.D
Acq: 10 May 2021 3:12 pm

Tgt Ion: 91 Resp: 6422
Ion Ratio Lower Upper
91 100
106 45.9 44.4 54.2
77 15.0 11.7 17.5



Response Factor Report Chem24

Method Path : H:\AIR2021\CHEM24\METHODS\
 Method File : 24AIR_0421.M
 Title : VOA Standards for 5 point calibration
 Last Update : Thu Apr 22 08:23:13 2021
 Response Via : Initial Calibration

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

.035=0421_04.D 0.05=0421_05.D 0.1=0421_06.D 0.2=0421_07.D 0.5=0421_08.D 1.0=0421_14.D 2.5=0421_09.D 5.0=0421_10.D
 10=0421_15.D 25=0421_11.D 40=0421_12.D 0.02=0421_03.D

Compound	.035	0.05	0.1	0.2	0.5	1.0	2.5	5.0	10	25	40	0.02	Avg	%RSD
1) Int Bromochloromethane	-----ISTD-----													
3) Dichlorodifluo...			2.435	2.258	2.036	2.290	2.129	2.627	2.351	2.086	1.749		2.218	11.46
6) Vinyl Chloride			1.191	1.105	0.978	1.021	0.982	1.119	1.046	1.069	1.013		1.058	6.63
12) Acetone				2.841	2.621	2.506	2.565	2.664	2.563	2.657	2.481		2.612	4.35
13) Trichlorofluor...			2.753	2.559	2.557	2.520	2.545	2.789	2.594	2.710	2.527		2.617	3.99
16) 1,1-Dichloroet...			1.860	1.856	1.728	1.825	1.778	1.948	1.764	1.859	1.759		1.820	3.80
17) Methylene Chlo...				1.808	1.746	1.803	1.744	1.900	1.813	1.848	1.554		1.777	5.82
21) Trichlorotrifl...			1.994	1.759	1.793	1.733	1.760	1.910	1.797	1.874	1.768		1.821	4.76
26) Cis-1,2-Dichlo...			1.783	1.788	1.780	1.768	1.792	1.881	1.818	1.757	1.595		1.774	4.29
32) 1,1,1-Trichlor...			2.368	2.213	2.120	2.228	2.245	2.432	2.298	2.393	2.246		2.282	4.36
33) Benzene			2.350	2.324	2.298	2.394	2.289	2.494	2.401	2.483	2.380		2.379	3.09
34) Carbon Tetrach...			2.343	2.322	2.525	2.380	2.430	2.677	2.519	2.648	2.486		2.481	5.07
36) Int 1,4-Difluorobenzene	-----ISTD-----													
39) Trichloroethene			0.404	0.384	0.398	0.402	0.403	0.438	0.418	0.428	0.410		0.410	3.99
48) Toluene			0.918	0.898	0.920	0.899	0.900	0.963	0.948	0.969	0.919		0.926	2.96
52) Tetrachloroethene			0.553	0.570	0.573	0.565	0.564	0.605	0.586	0.594	0.558		0.574	3.03
53) Int Chlorobenzene-d5	-----ISTD-----													
55) Chlorobenzene			1.555	1.533	1.596	1.550	1.538	1.675	1.673	1.695	1.610		1.603	3.99
56) Ethylbenzene			2.445	2.274	2.529	2.435	2.375	2.601	2.571	2.615	2.424		2.474	4.59
57) m,p-Xylene			1.886	1.842	1.909	1.519	1.860	2.036	2.012	2.040	1.919		1.892	8.37
61) o-Xylene			2.050	2.016	2.031	1.998	1.931	2.127	2.087	2.134	2.056		2.048	3.11
62) Surr% Bromofluorob...			1.410	1.381	1.378	1.415	1.380	1.399	1.404	1.456	1.399		1.403	1.73
71) 1,3-Dichlorobe...			1.491	1.238	1.397	1.491	1.459	1.595	1.562	1.619	1.512		1.485	7.77
72) 1,4-Dichlorobe...			1.552	1.242	1.353	1.436	1.376	1.508	1.506	1.586	1.500		1.451	7.56
75) 1,2-Dichlorobe...			1.256	0.943	1.049	1.138	1.115	1.185	1.210	1.298	1.231		1.158	9.58
77) qfi 1,2,4-Trichlor...				0.070	0.272	1.206	1.937	4.388	8.175	28.82	38.38		Coef R2	0.980
80) int Bromochloromethane...	-----ISTD-----													
82) Vinyl Chloride...			1.389	1.318	1.140	1.046	1.047	1.087	1.052	1.172			1.156	11.35
86) Benzene(sim)			2.989	2.935	2.582	2.473	2.476	2.489	2.460				3.642	2.756
87) Carbon Tetrach...			2.546	2.885	2.225	2.236	2.444	2.294	2.345	2.594			2.911	2.498
88) 1,1-Dichloroet...			2.185	2.281	1.915	1.857	1.831	1.861	1.846	2.014			2.622	2.046
92) Cis-1,2-Dichlo...			1.848	1.976	1.753	1.785	1.904	1.846	1.791	2.067			2.362	1.926
95) int 1,4-Difluorobenzen...	-----ISTD-----													
98) Trichloroethen...			0.436	0.462	0.422	0.417	0.427	0.422	0.426	0.460			0.579	0.450
104) Tetrachloroeth...			0.566	0.625	0.581	0.579	0.589	0.578	0.587	0.628	0.605		0.809	0.615
105) int Chlorobenzene-d5(sim)	-----ISTD-----													
108) Ethylbenzene(sim)			2.848	2.833	2.711	2.604	2.680	2.665	2.618				4.318	2.910

Response Factor Report Chem24

Method Path : H:\AIR2021\CHEM24\METHODS\

Method File : 24AIR_0421.M

Title : VOA Standards for 5 point calibration

109)	m,p-Xylene(sim)	2.203	2.042	1.886	1.842	1.910	1.900	1.862	2.036		1.960	6.29
116)	1,4-Dichlorobe...	1.808	1.806	1.606	1.348	1.474	1.591	1.539	1.701	2.399	1.697	17.84
121)	qfi 1,2,4-Trichlor...	0.037	0.095	0.114	0.075	0.283	1.393	2.387		0.028	Coef R2	0.91@

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

6B
AIR INITIAL CALIBRATION DATA

Lab Name: Phoenix Environmental Labs
Lab Code: Phoenix
Instrument ID: CHEM24
Heated Purge (Y/N): Y
GC Column: _____

Client: WALDENE-IPARK
SDG No.: GCI26486
Calibration Date From: 04/22/21 01:39
Calibration Date Thru: 04/22/21 06:12
Method File: 24AIR_0421.M

Laboratory File Ids

RRF1	0421_03.D	RRF2	0421_04.D	RRF3	0421_05.D	RRF4	0421_06.D	RRF5	0421_07.D	RRF6	0421_08.D	RRF7	0421_14.D	RRF8	0421_09.D	RRF9	0421_10.D	RRF10	0421_15.D	RRF11	0421_11.D	RRF12	0421_12.D		
COMPOUND		RRF1 0.02	RRF2 0.035	RRF3 0.05	RRF4 0.1	RRF5 0.2	RRF6 0.5	RRF7 1	RRF8 2.5	RRF9 5	RRF10 10	RRF11 25	RRF12 40	— RRF	% RSD										
Dichlorodifluoromethane					2.435	2.258	2.036	2.290	2.129	2.627	2.351	2.086	1.749	2.218	11.46										
Vinyl Chloride					1.191	1.105	0.978	1.021	0.982	1.119	1.046	1.069	1.013	1.058	6.63										
Acetone						2.841	2.621	2.506	2.565	2.664	2.563	2.657	2.481	2.612	4.35										
Trichlorofluoromethane					2.753	2.559	2.557	2.520	2.545	2.789	2.594	2.710	2.527	2.617	3.99										
1,1-Dichloroethene					1.860	1.856	1.728	1.825	1.778	1.948	1.764	1.859	1.759	1.820	3.80										
Methylene Chloride						1.808	1.746	1.803	1.744	1.900	1.813	1.848	1.554	1.777	5.82										
Trichlorotrifluoroethane					1.994	1.759	1.793	1.733	1.760	1.910	1.797	1.874	1.768	1.821	4.76										
Cis-1,2-Dichloroethene					1.783	1.788	1.780	1.768	1.792	1.881	1.818	1.757	1.595	1.774	4.29										
1,1,1-Trichloroethane					2.368	2.213	2.120	2.228	2.245	2.432	2.298	2.393	2.246	2.282	4.36										
Benzene					2.350	2.324	2.298	2.394	2.289	2.494	2.401	2.483	2.380	2.379	3.09										
Carbon Tetrachloride					2.343	2.322	2.525	2.380	2.430	2.677	2.519	2.648	2.486	2.481	5.07										
Trichloroethene					0.404	0.384	0.398	0.402	0.403	0.438	0.418	0.428	0.410	0.410	3.99										
Toluene					0.918	0.898	0.920	0.899	0.900	0.963	0.948	0.969	0.919	0.926	2.96										
Tetrachloroethene					0.553	0.570	0.573	0.565	0.564	0.605	0.586	0.594	0.558	0.574	3.03										
Chlorobenzene					1.555	1.533	1.596	1.550	1.538	1.675	1.673	1.695	1.610	1.603	3.99										
Ethylbenzene					2.445	2.274	2.529	2.435	2.375	2.601	2.571	2.615	2.424	2.474	4.59										
m,p-Xylene					1.886	1.842	1.909	1.519	1.860	2.036	2.012	2.040	1.919	1.892	8.37										
o-Xylene					2.050	2.016	2.031	1.998	1.931	2.127	2.087	2.134	2.056	2.048	3.11										
1,3-Dichlorobenzene					1.491	1.238	1.397	1.491	1.459	1.595	1.562	1.619	1.512	1.485	7.77										
1,4-Dichlorobenzene					1.552	1.242	1.353	1.436	1.376	1.508	1.506	1.586	1.500	1.451	7.56										
1,2-Dichlorobenzene					1.256	0.943	1.049	1.138	1.115	1.185	1.210	1.298	1.231	1.158	9.58										
1,2,4-Trichlorobenzene		qfi				0.070	0.272	1.206	1.937	4.388	8.175	28.820	38.380	Coef R2	0.98										
Vinyl Chloride(sim)			1.389	1.318	1.140	1.046	1.047	1.087	1.052	1.172				1.156	11.35										
Benzene(sim)		3.642	2.989	2.935	2.582	2.473	2.476	2.489	2.460					2.756	15.14										
Carbon Tetrachloride(sim)		2.911	2.546	2.885	2.225	2.236	2.444	2.294	2.345	2.594				2.498	10.43										

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

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

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

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

Phoenix Environmental Laboratories, Inc.

FORM VI-AIR

6B

Client: WALDENE-IPARK

SDG No.: GCI26486

Calibration Date From: 04/22/21 01:39

Calibration Date Thru: 04/22/21 06:12

Method File: 24AIR 0421.M

RRF1	0421_03.D	RRF2	0421_04.D	RRF3	0421_05.D	RRF4	0421_06.D	RRF5	0421_07.D	RRF6	0421_08.D
RRF7	0421_14.D	RRF8	0421_09.D	RRF9	0421_10.D	RRF10	0421_15.D	RRF11	0421_11.D	RRF12	0421_12.D

[illegible]

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

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

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

Phoenix Environmental Laboratories, Inc.

FORM VI AIR

Quantitation Report (RF) (QT Reviewed)

Data Path : H:\AIR2021\CHEM24\04APR\21A\
 Data File : 0421_03.D
 Acq On : 21 Apr 2021 10:47 pm
 Operator : Keith
 Client ID : ICAL 0.02
 Lab ID : 0.02
 ALS Vial : 47 Sample Multiplier: 1

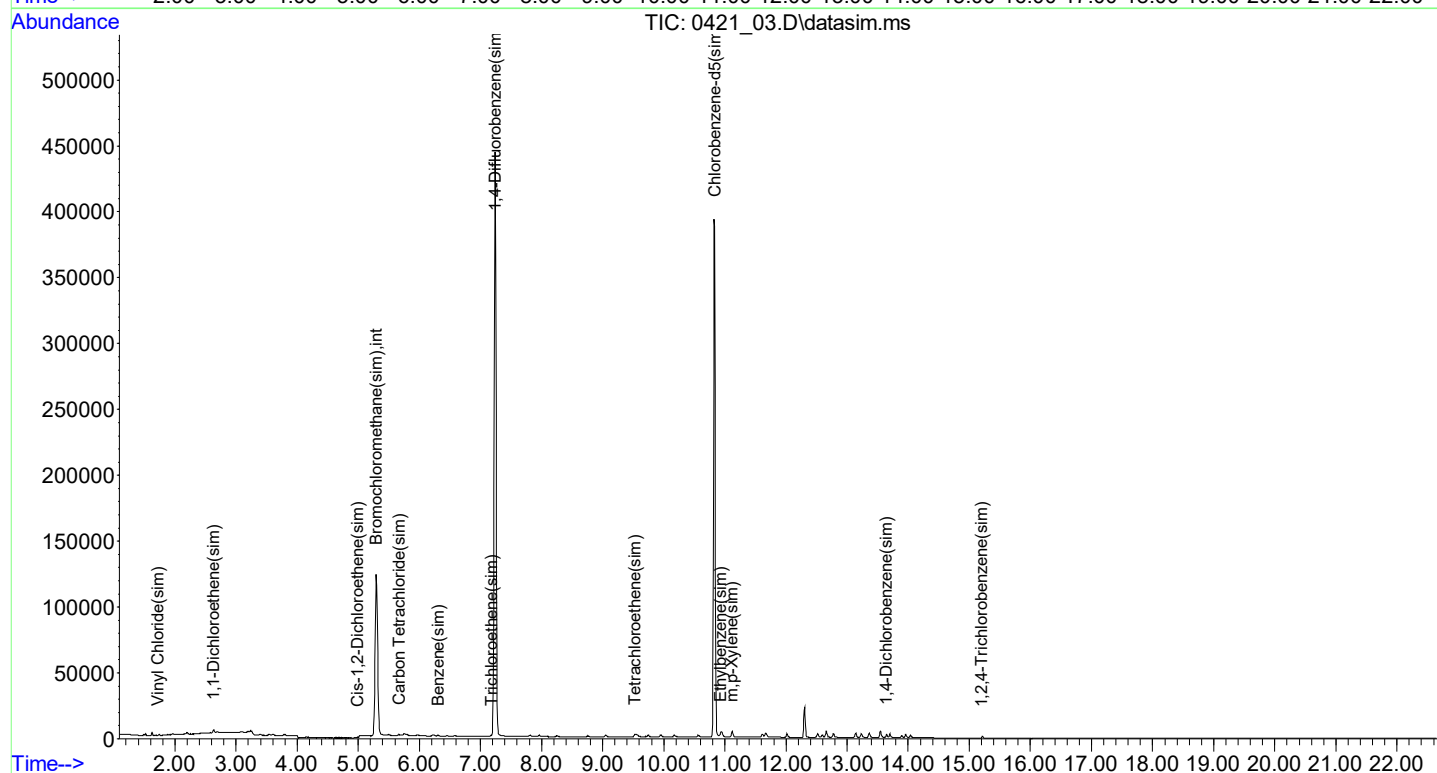
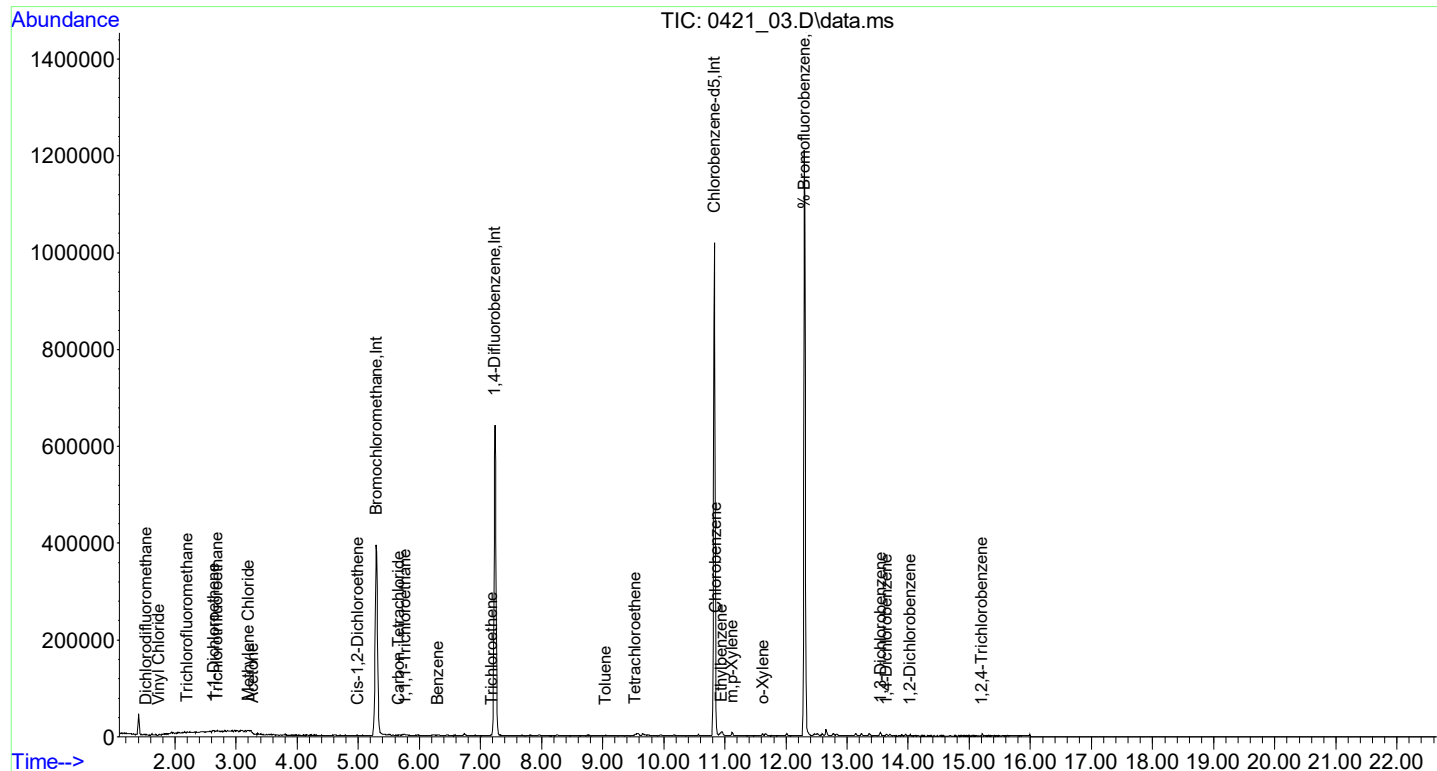
Quant Time: Apr 22 08:17:06 2021
 Quant Method : H:\AIR2021\CHEM24\METHODS\24AIR_0421.M
 Quant Title : VOA Standards for 5 point calibration
 QLast Update : Thu Apr 22 08:15:54 2021
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	5.293	130	164872	10.000	ng	0.00
36) 1,4-Difluorobenzene	7.238	114	561474	10.000	ng	0.00
53) Chlorobenzene-d5	10.829	82	280784	10.000	ng	0.00
80) Bromochloromethane(sim)	5.296	130	171220	10.000	ng	# 0.00
95) 1,4-Difluorobenzene(sim)	7.238	114	561474	10.000	ng	0.00
105) Chlorobenzene-d5(sim)	10.829	82	280784	10.000	ng	0.00
System Monitoring Compounds						
62) % Bromofluorobenzene	12.302	95	385099	9.786	ppbv	0.00
Spiked Amount	10.000	Range	70 - 130	Recovery	=	97.90%
Target Compounds						
					Qvalue	
3) Dichlorodifluoromethane	1.526	85	1130	0.031	ppbv#	92
6) Vinyl Chloride	1.732	62	468	0.027	ppbv	98
12) Acetone	3.272	43	3531	0.082	ppbv	99
13) Trichlorofluoromethane	2.197	101	1160	0.027	ppbv#	80
16) 1,1-Dichloroethene	2.636	61	694	0.023	ppbv#	29
17) Methylene Chloride	3.203	49	1011	0.035	ppbv#	52
21) Trichlorotrifluoroethane	2.690	101	886	0.030	ppbv#	86
26) Cis-1,2-Dichloroethene	4.992	61	774	0.026	ppbv#	89
32) 1,1,1-Trichloroethane	5.769	97	926	0.025	ppbv#	27
33) Benzene	6.300	78	1443	0.037	ppbv#	60
34) Carbon Tetrachloride	5.668	117	532	0.013	ppbv#	38
39) Trichloroethene	7.183	130	439	0.019	ppbv#	38
48) Toluene	9.046	91	1523	0.029	ppbv#	87
52) Tetrachloroethene	9.530	166	901	0.028	ppbv	92
55) Chlorobenzene	10.850	112	1331	0.030	ppbv#	1
56) Ethylbenzene	10.939	91	2420	0.035	ppbv	86
57) m,p-Xylene	11.117	91	3607	0.068	ppbv	96
61) o-Xylene	11.618	91	1964	0.034	ppbv#	88
71) 1,3-Dichlorobenzene	13.548	146	1236	0.030	ppbv#	87
72) 1,4-Dichlorobenzene	13.646	146	1353	0.033	ppbv	87
75) 1,2-Dichlorobenzene	14.035	146	949	0.029	ppbv#	84
77) 1,2,4-Trichlorobenzene	15.204	180	117	0.012	ppbv#	66
82] Vinyl Chloride(sim)	1.728	62	553	0.028	ppbv	99
86] Benzene(sim)	6.310	78	1247	0.026	ppbv	97
87] Carbon Tetrachloride(sim)	5.671	117	997m	0.023	ppbv	45
88] 1,1-Dichloroethene(sim)	2.632	61	898	0.026	ppbv#	85
92] Cis-1,2-Dichloroethene...	4.990	61	809	0.025	ppbv	92
98] Trichloroethene(sim)	7.180	130	650	0.026	ppbv	95
104] Tetrachloroethene(sim)	9.525	166	909	0.026	ppbv	95
108] Ethylbenzene(sim)	10.935	91	2425	0.030	ppb	99
109] m,p-Xylene(sim)	11.117	91	3607	0.066	ppbv#	91
116] 1,4-Dichlorobenzene(sim)	13.649	146	1347	0.028	ppbv	98
121] 1,2,4-Trichlorobenzene...	15.207	180	255m	0.030	ppbv	15

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

Data Path : H:\AIR2021\CHEM24\04APR\21A\
Data File : 0421_03.D
Acq On : 21 Apr 2021 10:47 pm
Operator : Keith
Client ID : ICAL 0.02
Lab ID : 0.02
ALS Vial : 47 Sample Multiplier: 1

Quant Time: Apr 22 08:17:06 2021
Quant Method : H:\AIR2021\CHEM24\METHODS\24AIR_0421.M
Quant Title : VOA Standards for 5 point calibration
QLast Update : Thu Apr 22 08:15:54 2021
Response via : Initial Calibration



Quantitation Report (RF) (QT Reviewed)

Data Path : H:\AIR2021\CHEM24\04APR\21A\
 Data File : 0421_04.D
 Acq On : 21 Apr 2021 11:16 pm
 Operator : Keith
 Client ID : ICAL 0.035
 Lab ID : 0.035
 ALS Vial : 48 Sample Multiplier: 1

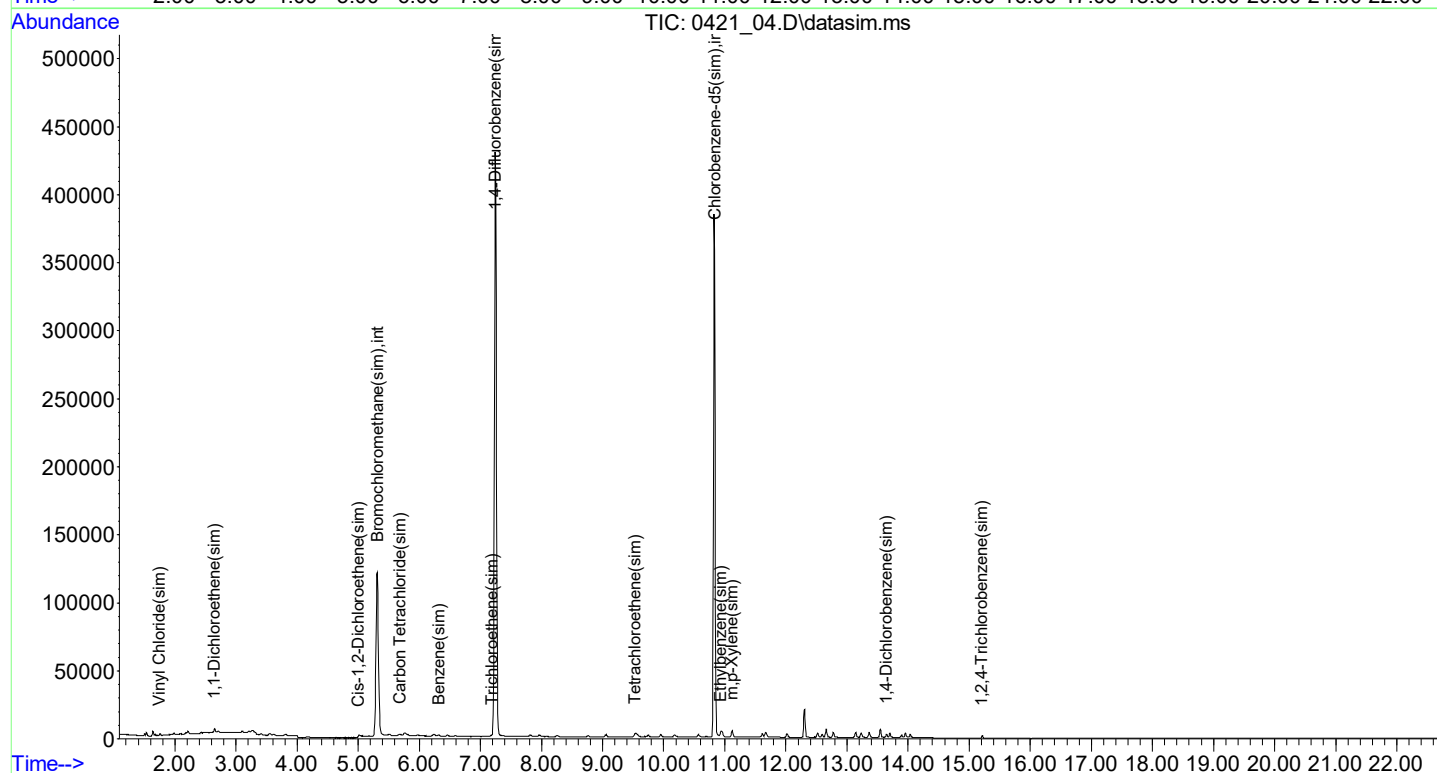
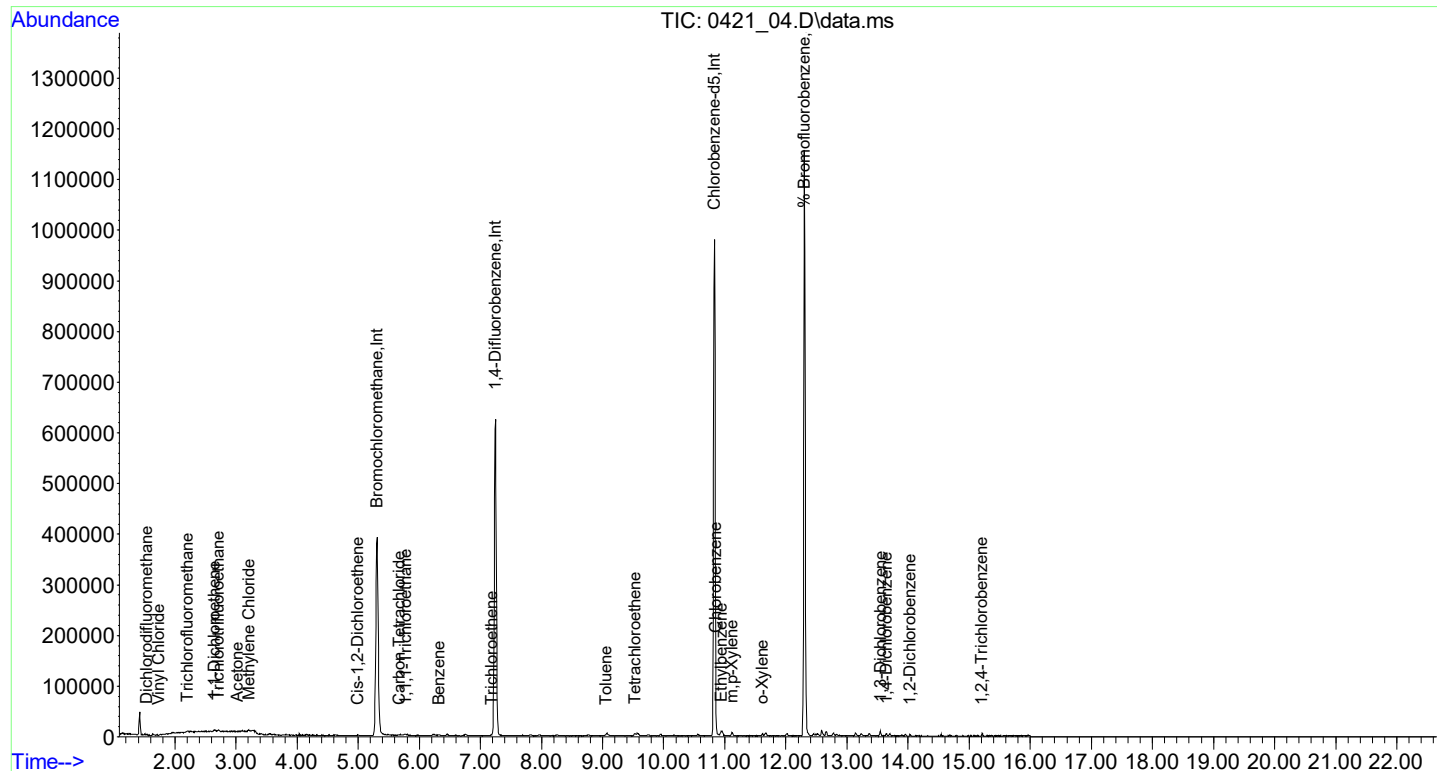
Quant Time: Apr 22 08:18:54 2021
 Quant Method : H:\AIR2021\CHEM24\METHODS\24AIR_0421.M
 Quant Title : VOA Standards for 5 point calibration
 QLast Update : Thu Apr 22 08:17:19 2021
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	5.310	130	165201	10.000	ng	0.02
36) 1,4-Difluorobenzene	7.247	114	553866	10.000	ng	0.00
53) Chlorobenzene-d5	10.831	82	270379	10.000	ng	0.00
80) Bromochloromethane(sim)	5.313	130	170543	10.000	ng	# 0.02
95) 1,4-Difluorobenzene(sim)	7.247	114	553866	10.000	ng	0.00
105) Chlorobenzene-d5(sim)	10.831	82	270379	10.000	ng	0.00
System Monitoring Compounds						
62) % Bromofluorobenzene	12.304	95	360091	9.502	ppbv	0.00
Spiked Amount	10.000	Range	70 - 130	Recovery	=	95.00%
Target Compounds						
					Qvalue	
3) Dichlorodifluoromethane	1.540	85	1678	0.046	ppbv	98
6) Vinyl Chloride	1.739	62	1029	0.059	ppbv	90
12) Acetone	3.026	43	474	0.011	ppbv	95
13) Trichlorofluoromethane	2.211	101	1720	0.040	ppbv#	94
16) 1,1-Dichloroethene	2.649	61	1305	0.043	ppbv#	74
17) Methylene Chloride	3.217	49	1454	0.050	ppbv#	78
21) Trichlorotrifluoroethane	2.711	101	1319	0.044	ppbv#	92
26) Cis-1,2-Dichloroethene	4.997	61	1037	0.035	ppbv#	83
32) 1,1,1-Trichloroethane	5.779	97	1566	0.042	ppbv	89
33) Benzene	6.323	78	1651	0.042	ppbv#	76
34) Carbon Tetrachloride	5.671	117	1742	0.043	ppbv	87
39) Trichloroethene	7.178	130	882	0.039	ppbv#	75
48) Toluene	9.056	91	1957	0.038	ppbv	95
52) Tetrachloroethene	9.525	166	1060	0.033	ppbv	94
55) Chlorobenzene	10.852	112	1533	0.035	ppbv#	1
56) Ethylbenzene	10.941	91	2556	0.038	ppbv	89
57) m,p-Xylene	11.119	91	4169	0.082	ppbv	95
61) o-Xylene	11.614	91	2196	0.040	ppbv	96
71) 1,3-Dichlorobenzene	13.550	146	1715	0.043	ppbv	92
72) 1,4-Dichlorobenzene	13.648	146	1729	0.044	ppbv#	86
75) 1,2-Dichlorobenzene	14.030	146	1073	0.034	ppbv#	86
77) 1,2,4-Trichlorobenzene	15.203	180	232	0.025	ppbv#	62
82] Vinyl Chloride(sim)	1.741	62	829	0.042	ppbv	98
86] Benzene(sim)	6.319	78	1784	0.038	ppbv	96
87] Carbon Tetrachloride(sim)	5.681	117	1520m	0.036	ppbv	35
88] 1,1-Dichloroethene(sim)	2.645	61	1304	0.037	ppbv	95
92] Cis-1,2-Dichloroethene...	5.005	61	1103	0.034	ppbv	95
98] Trichloroethene(sim)	7.188	130	846	0.034	ppbv	100
104] Tetrachloroethene(sim)	9.528	166	1098	0.032	ppbv	100
108] Ethylbenzene(sim)	10.937	91	2695	0.034	ppb	99
109] m,p-Xylene(sim)	11.119	91	4169	0.079	ppbv	95
116] 1,4-Dichlorobenzene(sim)	13.651	146	1711	0.037	ppbv	97
121] 1,2,4-Trichlorobenzene...	15.210	180	331m	0.040	ppbv	62

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

Data Path : H:\AIR2021\CHEM24\04APR\21A\
Data File : 0421_04.D
Acq On : 21 Apr 2021 11:16 pm
Operator : Keith
Client ID : ICAL 0.035
Lab ID : 0.035
ALS Vial : 48 Sample Multiplier: 1

Quant Time: Apr 22 08:18:54 2021
Quant Method : H:\AIR2021\CHEM24\METHODS\24AIR_0421.M
Quant Title : VOA Standards for 5 point calibration
QLast Update : Thu Apr 22 08:17:19 2021
Response via : Initial Calibration



Quantitation Report (RF) (QT Reviewed)

Data Path : H:\AIR2021\CHEM24\04APR\21A\
 Data File : 0421_05.D
 Acq On : 22 Apr 2021 12:34 am
 Operator : Keith
 Client ID : ICAL 0.05
 Lab ID : 0.05
 ALS Vial : 49 Sample Multiplier: 1

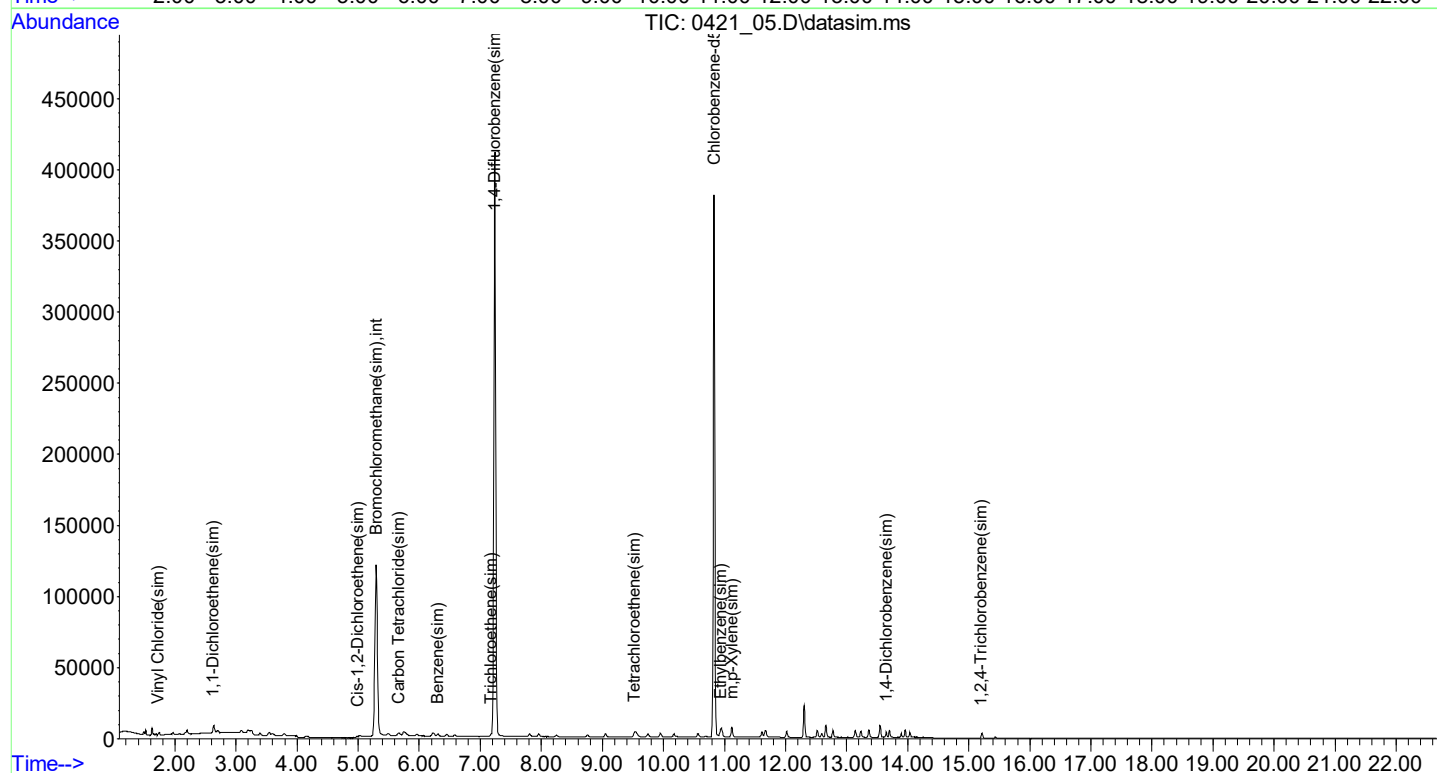
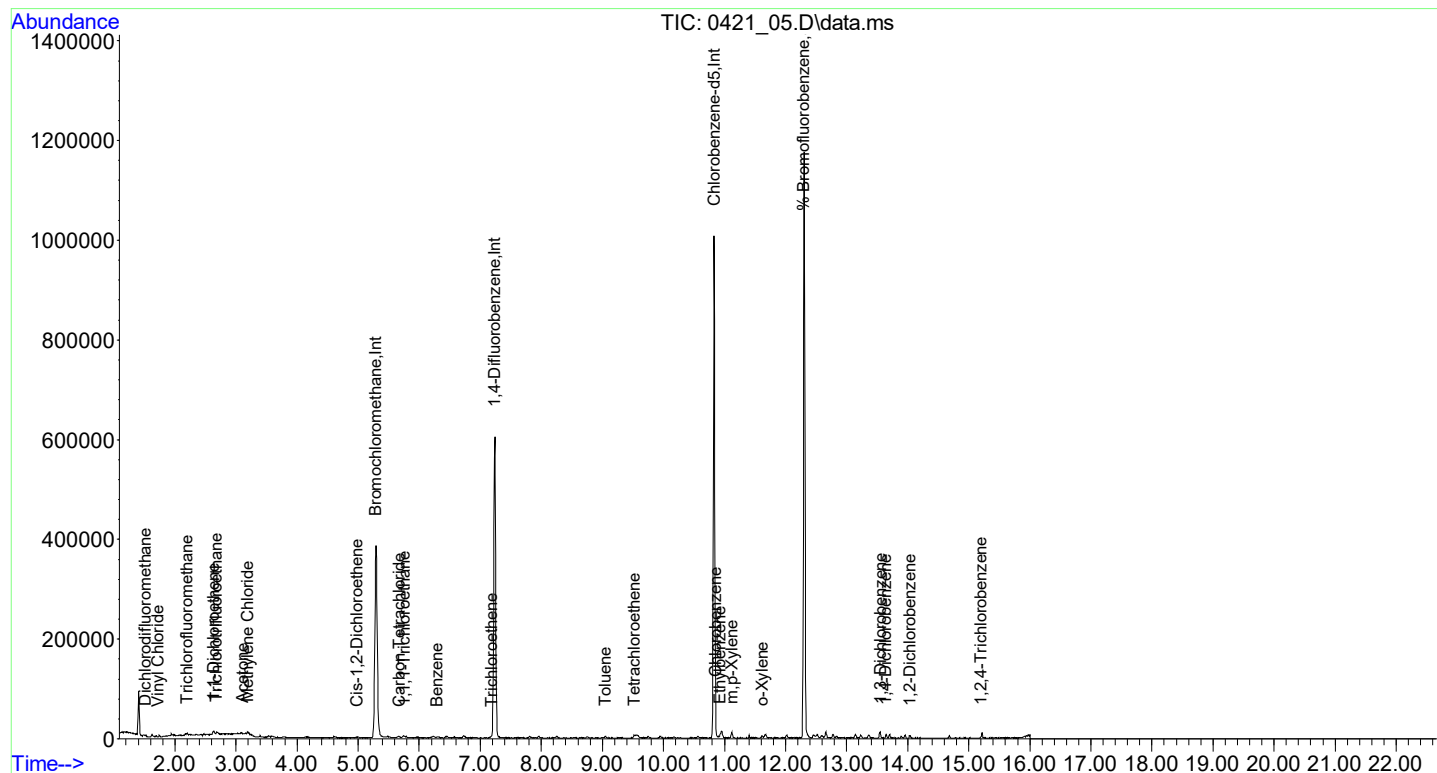
Quant Time: Apr 22 08:19:53 2021
 Quant Method : H:\AIR2021\CHEM24\METHODS\24AIR_0421.M
 Quant Title : VOA Standards for 5 point calibration
 QLast Update : Thu Apr 22 08:19:05 2021
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	5.293	130	162687	10.000	ng	0.00
36) 1,4-Difluorobenzene	7.238	114	539820	10.000	ng	0.00
53) Chlorobenzene-d5	10.829	82	276618	10.000	ng	0.00
80) Bromochloromethane(sim)	5.296	130	168311	10.000	ng	# 0.00
95) 1,4-Difluorobenzene(sim)	7.238	114	539820	10.000	ng	0.00
105) Chlorobenzene-d5(sim)	10.829	82	276618	10.000	ng	0.00
System Monitoring Compounds						
62) % Bromofluorobenzene	12.302	95	373137	9.624	ppbv	0.00
Spiked Amount	10.000	Range	70 - 130	Recovery	=	96.20%
Target Compounds						
					Qvalue	
3) Dichlorodifluoromethane	1.519	85	2095	0.058	ppbv#	96
6) Vinyl Chloride	1.725	62	1145	0.067	ppbv	95
12) Acetone	3.108	43	275	0.006	ppbv	97
13) Trichlorofluoromethane	2.197	101	2490	0.058	ppbv#	96
16) 1,1-Dichloroethene	2.636	61	1904	0.064	ppbv#	82
17) Methylene Chloride	3.196	49	2256	0.078	ppbv	96
21) Trichlorotrifluoroethane	2.683	101	1800	0.061	ppbv	90
26) Cis-1,2-Dichloroethene	4.982	61	1488	0.052	ppbv#	87
32) 1,1,1-Trichloroethane	5.762	97	2137	0.058	ppbv	92
33) Benzene	6.300	78	2401	0.062	ppbv#	90
34) Carbon Tetrachloride	5.675	117	2166	0.054	ppbv	97
39) Trichloroethene	7.183	130	1279	0.058	ppbv	91
48) Toluene	9.053	91	2901	0.058	ppbv#	95
52) Tetrachloroethene	9.522	166	1615	0.052	ppbv	92
55) Chlorobenzene	10.856	112	2204	0.050	ppbv#	1
56) Ethylbenzene	10.932	91	3684	0.054	ppbv	92
57) m,p-Xylene	11.124	91	5648	0.108	ppbv	96
61) o-Xylene	11.618	91	2854	0.050	ppbv#	96
71) 1,3-Dichlorobenzene	13.555	146	2332	0.057	ppbv	89
72) 1,4-Dichlorobenzene	13.646	146	2230	0.056	ppbv	97
75) 1,2-Dichlorobenzene	14.035	146	1907	0.060	ppbv	97
77) 1,2,4-Trichlorobenzene	15.209	180	696	0.072	ppbv#	74
82] Vinyl Chloride(sim)	1.728	62	1109	0.057	ppbv	99
86] Benzene(sim)	6.310	78	2470	0.053	ppbv	98
87] Carbon Tetrachloride(sim)	5.664	117	2428m	0.058	ppbv	87
88] 1,1-Dichloroethene(sim)	2.632	61	1920	0.056	ppbv	98
92] Cis-1,2-Dichloroethene...	4.995	61	1663	0.051	ppbv	97
98] Trichloroethene(sim)	7.180	130	1247	0.051	ppbv	98
104] Tetrachloroethene(sim)	9.525	166	1687	0.051	ppbv	98
108] Ethylbenzene(sim)	10.935	91	3918	0.049	ppb	100
109] m,p-Xylene(sim)	11.124	91	5648	0.104	ppbv	95
116] 1,4-Dichlorobenzene(sim)	13.649	146	2498	0.053	ppbv	98
121] 1,2,4-Trichlorobenzene...	15.207	180	856m	0.101	ppbv	94

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

Data Path : H:\AIR2021\CHEM24\04APR\21A\
Data File : 0421_05.D
Acq On : 22 Apr 2021 12:34 am
Operator : Keith
Client ID : ICAL 0.05
Lab ID : 0.05
ALS Vial : 49 Sample Multiplier: 1

Quant Time: Apr 22 08:19:53 2021
Quant Method : H:\AIR2021\CHEM24\METHODS\24AIR_0421.M
Quant Title : VOA Standards for 5 point calibration
QLast Update : Thu Apr 22 08:19:05 2021
Response via : Initial Calibration



Quantitation Report (RF) (QT Reviewed)

Data Path : H:\AIR2021\CHEM24\04APR\21A\
 Data File : 0421_06.D
 Acq On : 22 Apr 2021 1:06 am
 Operator : Keith
 Client ID : ICAL 0.1
 Lab ID : 0.10
 ALS Vial : 50 Sample Multiplier: 1

Quant Time: Apr 22 08:20:19 2021
 Quant Method : H:\AIR2021\CHEM24\METHODS\24AIR_0421.M
 Quant Title : VOA Standards for 5 point calibration
 QLast Update : Thu Apr 22 08:20:04 2021
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	5.286	130	167340	10.000	ng	0.00
36) 1,4-Difluorobenzene	7.238	114	558854	10.000	ng	0.00
53) Chlorobenzene-d5	10.829	82	281508	10.000	ng	0.00
80) Bromochloromethane(sim)	5.296	130	174068	10.000	ng	# 0.00
95) 1,4-Difluorobenzene(sim)	7.238	114	558854	10.000	ng	0.00
105) Chlorobenzene-d5(sim)	10.829	82	281508	10.000	ng	0.00

System Monitoring Compounds

62) % Bromofluorobenzene	12.302	95	396916	10.060	ppbv	0.00
Spiked Amount	10.000	Range	70 - 130	Recovery	=	100.60%

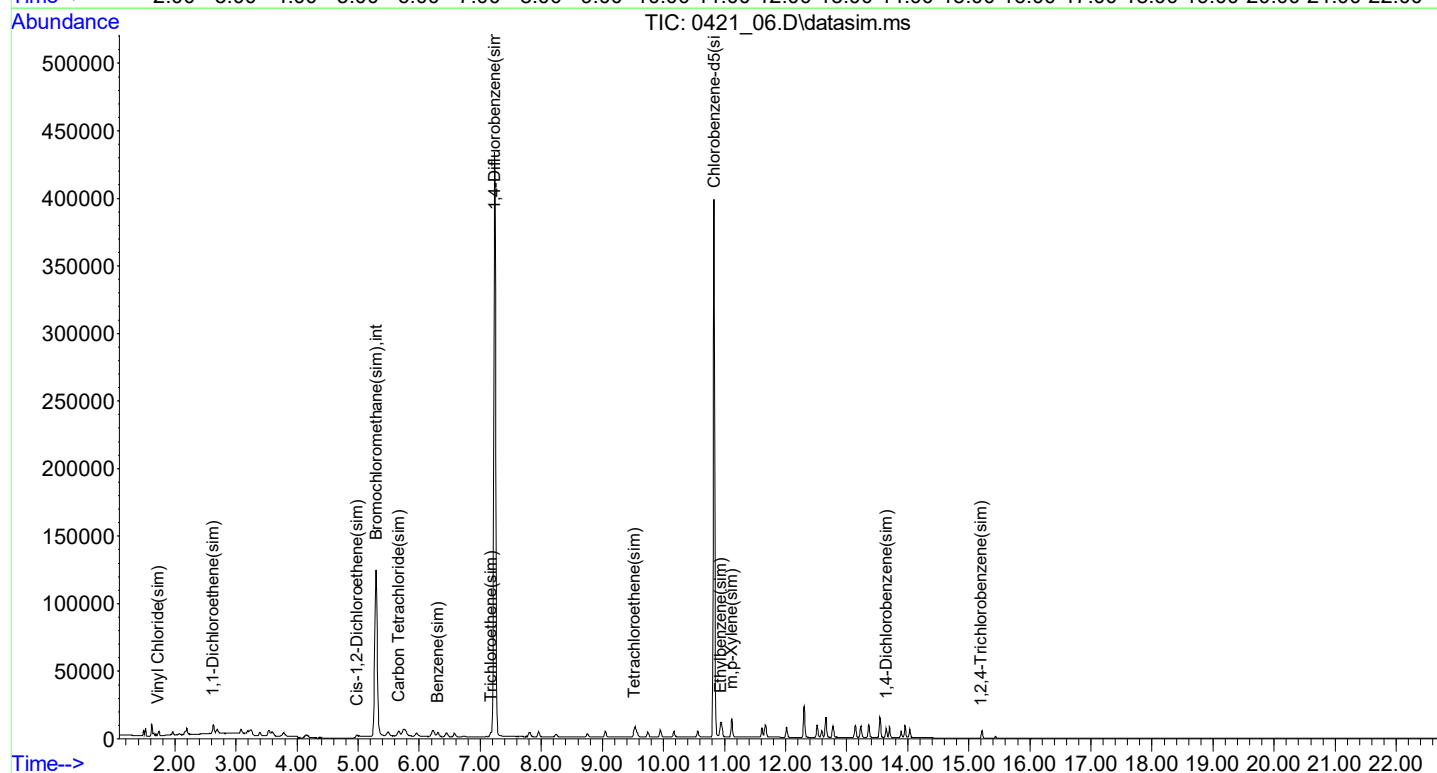
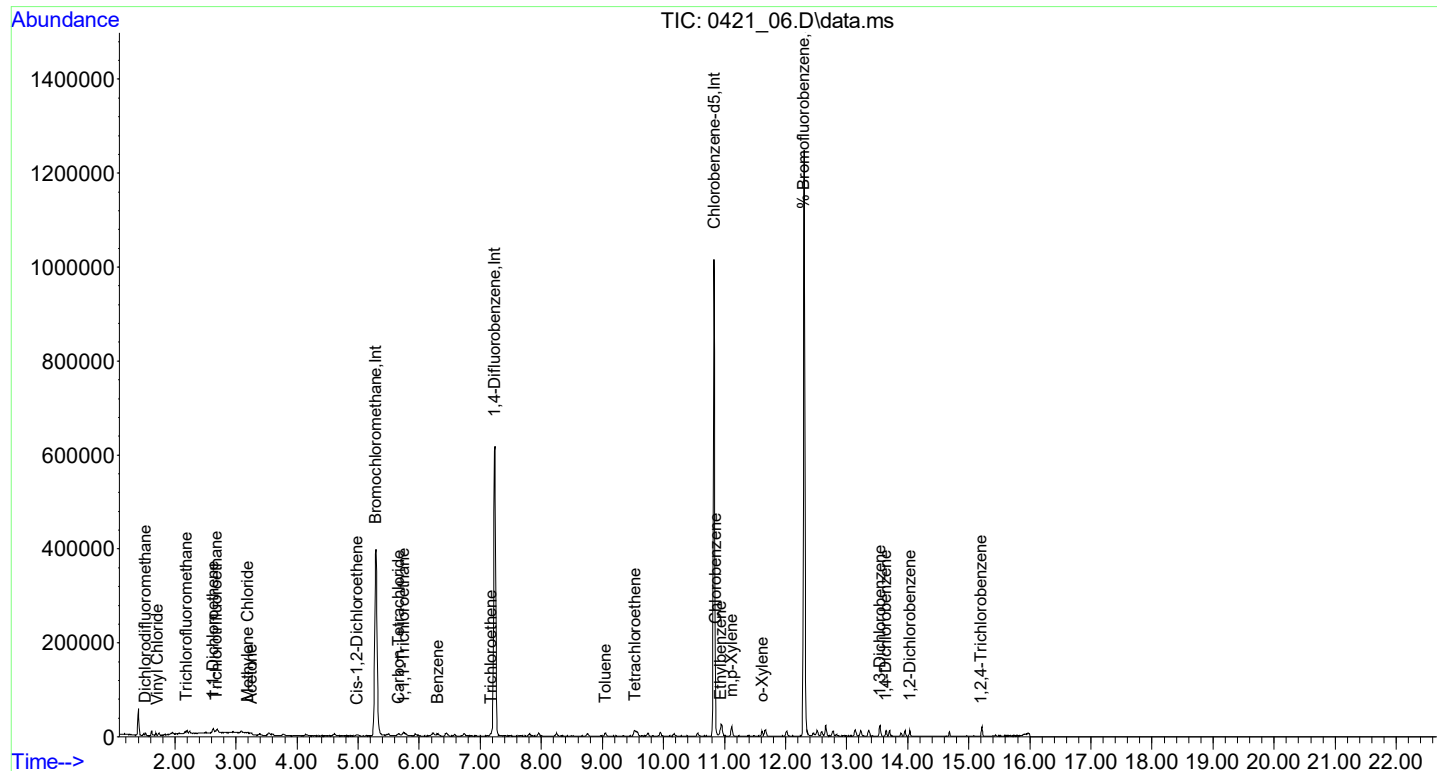
Target Compounds

						Qvalue
3) Dichlorodifluoromethane	1.519	85	4075	0.110	ppbv	98
6) Vinyl Chloride	1.718	62	1993	0.113	ppbv	91
12) Acetone	3.251	43	5568	0.127	ppbv	96
13) Trichlorofluoromethane	2.191	101	4607	0.105	ppbv	95
16) 1,1-Dichloroethene	2.629	61	3113	0.102	ppbv#	83
17) Methylene Chloride	3.190	49	3635	0.122	ppbv	93
21) Trichlorotrifluoroethane	2.683	101	3336	0.109	ppbv	95
26) Cis-1,2-Dichloroethene	4.987	61	2983	0.101	ppbv#	49
32) 1,1,1-Trichloroethane	5.755	97	3962	0.104	ppbv	95
33) Benzene	6.307	78	3932	0.099	ppbv#	89
34) Carbon Tetrachloride	5.661	117	3921	0.094	ppbv	95
39) Trichloroethene	7.170	130	2256	0.099	ppbv	87
48) Toluene	9.053	91	5132	0.099	ppbv	98
52) Tetrachloroethene	9.530	166	3088	0.096	ppbv	98
55) Chlorobenzene	10.850	112	4377	0.097	ppbv#	55
56) Ethylbenzene	10.932	91	6882	0.099	ppbv	97
57) m,p-Xylene	11.117	91	10621	0.199	ppbv	93
61) o-Xylene	11.618	91	5772	0.100	ppbv	98
71) 1,3-Dichlorobenzene	13.548	146	4198	0.100	ppbv	97
72) 1,4-Dichlorobenzene	13.646	146	4368	0.107	ppbv	94
75) 1,2-Dichlorobenzene	14.035	146	3536	0.108	ppbv	97
77) 1,2,4-Trichlorobenzene	15.202	180	1087	0.110	ppbv#	86
82] Vinyl Chloride(sim)	1.721	62	1985	0.099	ppbv	96
86] Benzene(sim)	6.303	78	4495	0.094	ppbv	99
87] Carbon Tetrachloride(sim)	5.661	117	3873	0.089	ppbv#	93
88] 1,1-Dichloroethene(sim)	2.625	61	3334	0.094	ppbv	99
92] Cis-1,2-Dichloroethene...	4.985	61	3052	0.091	ppbv	98
98] Trichloroethene(sim)	7.179	130	2357	0.094	ppbv	100
104] Tetrachloroethene(sim)	9.525	166	3248	0.095	ppbv	99
108] Ethylbenzene(sim)	10.935	91	7633	0.093	ppb	99
109] m,p-Xylene(sim)	11.117	91	10621	0.192	ppbv#	92
116] 1,4-Dichlorobenzene(sim)	13.649	146	4521	0.095	ppbv	97
121] 1,2,4-Trichlorobenzene...	15.202	180	1052	0.116	ppbv	89

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

Data Path : H:\AIR2021\CHEM24\04APR\21A\
Data File : 0421_06.D
Acq On : 22 Apr 2021 1:06 am
Operator : Keith
Client ID : ICAL 0.1
Lab ID : 0.10
ALS Vial : 50 Sample Multiplier: 1

Quant Time: Apr 22 08:20:19 2021
Quant Method : H:\AIR2021\CHEM24\METHODS\24AIR_0421.M
Quant Title : VOA Standards for 5 point calibration
QLast Update : Thu Apr 22 08:20:04 2021
Response via : Initial Calibration



Quantitation Report (RF) (QT Reviewed)

Data Path : H:\AIR2021\CHEM24\04APR\21A\
 Data File : 0421_07.D
 Acq On : 22 Apr 2021 1:39 am
 Operator : Keith
 Client ID : ICAL 0.25
 Lab ID : 0.20
 ALS Vial : 51 Sample Multiplier: 1

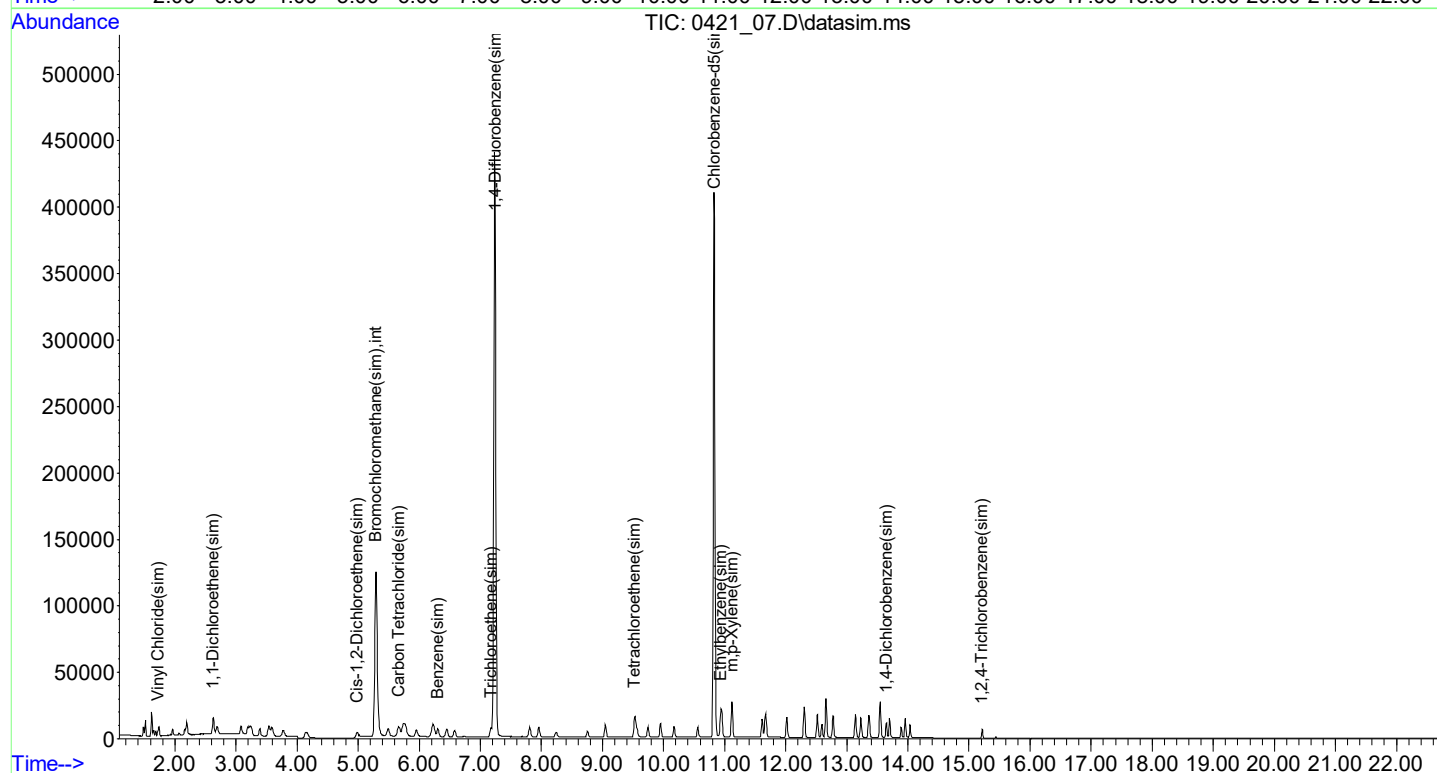
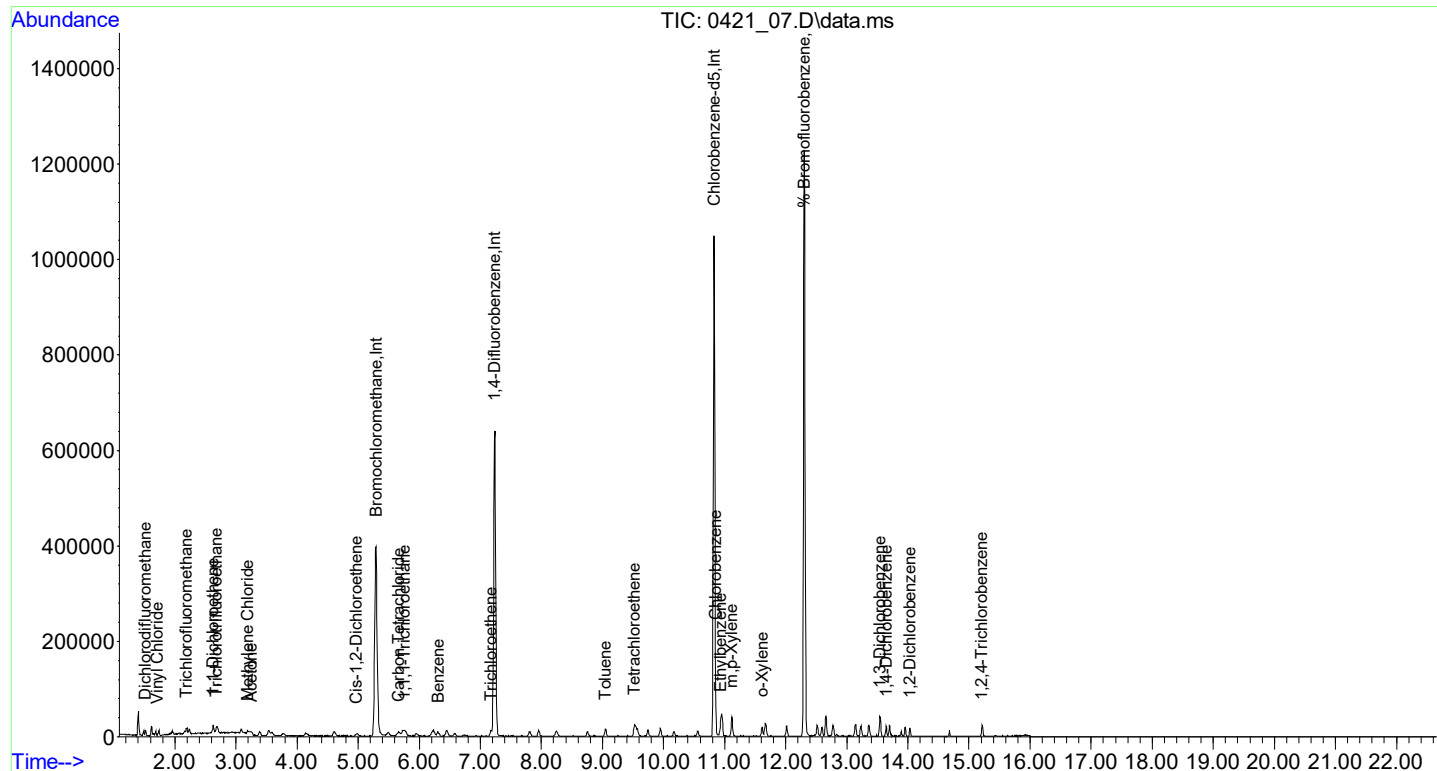
Quant Time: Apr 22 08:15:34 2021
 Quant Method : H:\AIR2021\CHEM24\METHODS\24AIR_0421.M
 Quant Title : VOA Standards for 5 point calibration
 QLast Update : Thu Apr 22 08:15:23 2021
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	5.294	130	168234	10.000	ng	0.00
36) 1,4-Difluorobenzene	7.238	114	560563	10.000	ng	0.00
53) Chlorobenzene-d5	10.829	82	282658	10.000	ng	0.00
80) Bromochloromethane(sim)	5.289	130	173355	10.000	ng	# 0.00
95) 1,4-Difluorobenzene(sim)	7.238	114	560563	10.000	ng	0.00
105) Chlorobenzene-d5(sim)	10.829	82	282658	10.000	ng	0.00
System Monitoring Compounds						
62) % Bromofluorobenzene	12.303	95	390335	9.832	ppbv	0.00
Spiked Amount	10.000	Range	70 - 130	Recovery	=	98.30%
Target Compounds						
						Qvalue
3) Dichlorodifluoromethane	1.513	85	7596	0.204	ppbv	99
6) Vinyl Chloride	1.718	62	3718	0.209	ppbv	99
12) Acetone	3.258	43	9560	0.218	ppbv	98
13) Trichlorofluoromethane	2.191	101	8609	0.196	ppbv	95
16) 1,1-Dichloroethene	2.622	61	6246	0.204	ppbv	98
17) Methylene Chloride	3.190	49	6085	0.204	ppbv	96
21) Trichlorotrifluoroethane	2.684	101	5918	0.193	ppbv	95
26) Cis-1,2-Dichloroethene	4.977	61	6017	0.202	ppbv	96
32) 1,1,1-Trichloroethane	5.755	97	7447	0.194	ppbv	96
33) Benzene	6.314	78	7821	0.195	ppbv	95
34) Carbon Tetrachloride	5.661	117	7812	0.187	ppbv	92
39) Trichloroethene	7.170	130	4309	0.188	ppbv	94
48) Toluene	9.053	91	10067	0.194	ppbv	98
52) Tetrachloroethene	9.523	166	6395	0.199	ppbv	96
55) Chlorobenzene	10.850	112	8668	0.191	ppbv#	68
56) Ethylbenzene	10.932	91	12855	0.184	ppbv	87
57) m,p-Xylene	11.117	91	20821	0.389	ppbv	99
61) o-Xylene	11.618	91	11399	0.197	ppbv	97
71) 1,3-Dichlorobenzene	13.549	146	6997	0.167	ppbv	95
72) 1,4-Dichlorobenzene	13.646	146	7022	0.171	ppbv	97
75) 1,2-Dichlorobenzene	14.035	146	5330	0.163	ppbv	99
77) 1,2,4-Trichlorobenzene	15.207	180	691	0.069	ppbv#	74
82] Vinyl Chloride(sim)	1.721	62	3625	0.181	ppbv	98
86] Benzene(sim)	6.303	78	8573	0.179	ppbv	99
87] Carbon Tetrachloride(sim)	5.661	117	7753	0.179	ppbv	89
88] 1,1-Dichloroethene(sim)	2.625	61	6440	0.182	ppbv	99
92] Cis-1,2-Dichloroethene...	4.980	61	6188	0.185	ppbv	95
98] Trichloroethene(sim)	7.173	130	4674	0.185	ppbv	100
104] Tetrachloroethene(sim)	9.526	166	6489	0.188	ppbv	99
108] Ethylbenzene(sim)	10.935	91	14720	0.179	ppb	100
109] m,p-Xylene(sim)	11.117	91	20821	0.376	ppbv	98
116] 1,4-Dichlorobenzene(sim)	13.649	146	7618	0.159	ppbv	98
121] 1,2,4-Trichlorobenzene...	15.207	180	691	0.070	ppbv	78

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

Data Path : H:\AIR2021\CHEM24\04APR\21A\
Data File : 0421_07.D
Acq On : 22 Apr 2021 1:39 am
Operator : Keith
Client ID : ICAL 0.25
Lab ID : 0.20
ALS Vial : 51 Sample Multiplier: 1

Quant Time: Apr 22 08:15:34 2021
Quant Method : H:\AIR2021\CHEM24\METHODS\24AIR_0421.M
Quant Title : VOA Standards for 5 point calibration
QLast Update : Thu Apr 22 08:15:23 2021
Response via : Initial Calibration



Quantitation Report (RF) (QT Reviewed)

Data Path : H:\AIR2021\CHEM24\04APR\21A\
 Data File : 0421_08.D
 Acq On : 22 Apr 2021 2:14 am
 Operator : Keith
 Client ID : ICAL 0.5
 Lab ID : 0.50
 ALS Vial : 52 Sample Multiplier: 1

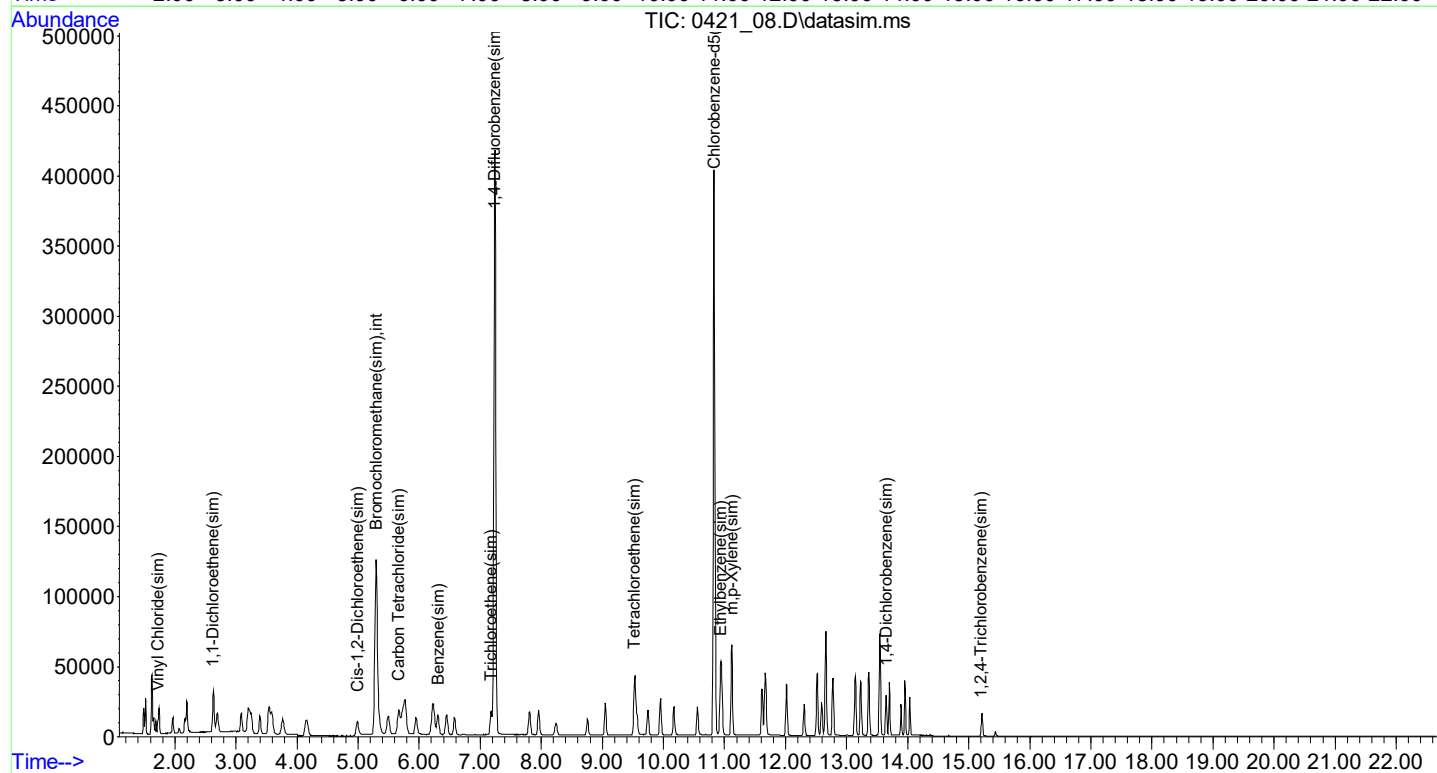
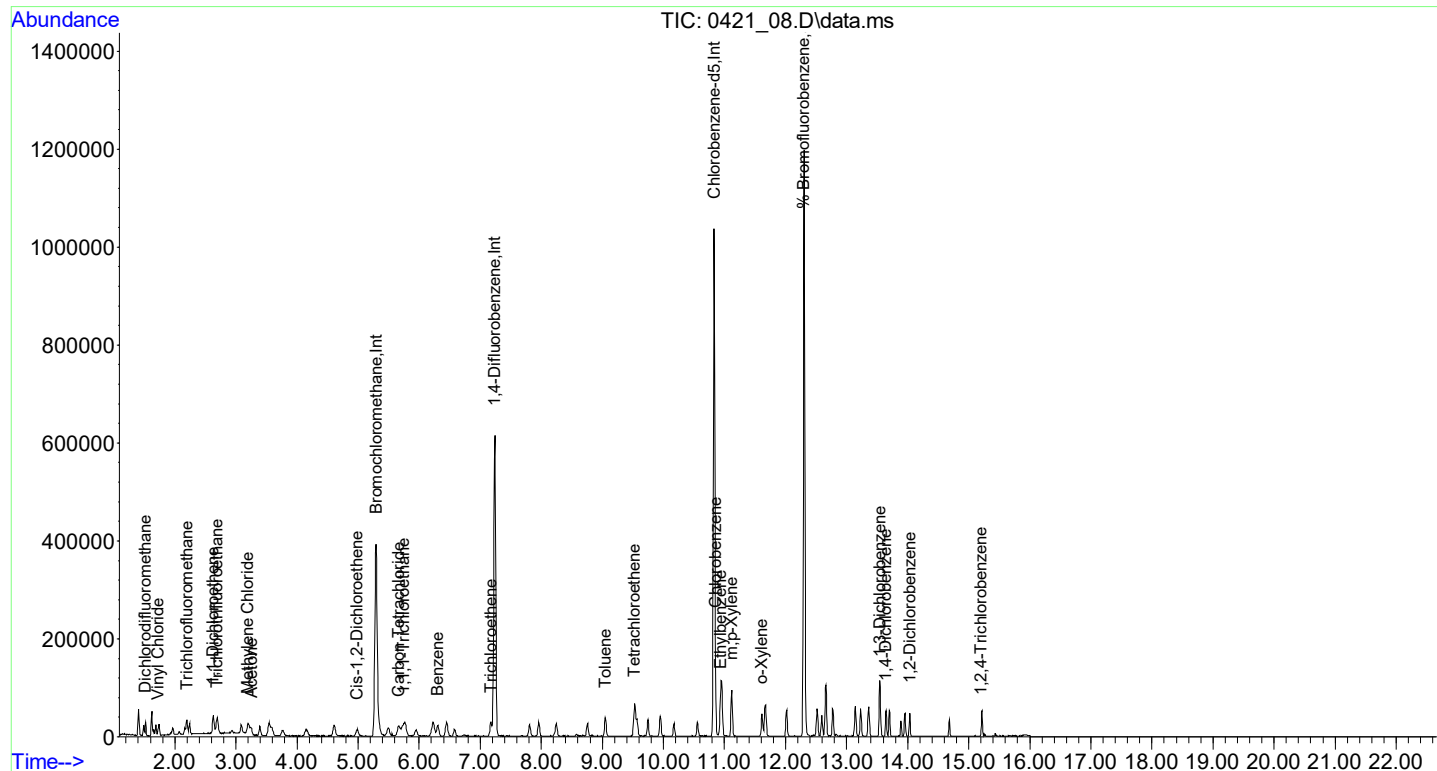
Quant Time: Apr 22 08:15:12 2021
 Quant Method : H:\AIR2021\CHEM24\METHODS\24AIR_0421.M
 Quant Title : VOA Standards for 5 point calibration
 QLast Update : Thu Apr 22 08:15:00 2021
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	5.294	130	163491	10.000	ng	0.00
36) 1,4-Difluorobenzene	7.238	114	536398	10.000	ng	0.00
53) Chlorobenzene-d5	10.830	82	271397	10.000	ng	0.00
80) Bromochloromethane(sim)	5.297	130	168896	10.000	ng	# 0.00
95) 1,4-Difluorobenzene(sim)	7.238	114	536398	10.000	ng	0.00
105) Chlorobenzene-d5(sim)	10.830	82	271397	10.000	ng	0.00
System Monitoring Compounds						
62) % Bromofluorobenzene	12.303	95	374087	9.783	ppbv	0.00
Spiked Amount	10.000	Range	70 - 130	Recovery	=	97.80%
Target Compounds						
					Qvalue	
3) Dichlorodifluoromethane	1.519	85	16647	0.459	ppbv	99
6) Vinyl Chloride	1.725	62	7996	0.462	ppbv	100
12) Acetone	3.251	43	21422	0.502	ppbv	100
13) Trichlorofluoromethane	2.198	101	20899	0.488	ppbv	97
16) 1,1-Dichloroethene	2.629	61	14122	0.475	ppbv	98
17) Methylene Chloride	3.197	49	14274	0.491	ppbv	99
21) Trichlorotrifluoroethane	2.691	101	14655	0.492	ppbv	98
26) Cis-1,2-Dichloroethene	4.982	61	14549	0.502	ppbv	99
32) 1,1,1-Trichloroethane	5.748	97	17327	0.464	ppbv	97
33) Benzene	6.307	78	18782	0.483	ppbv	98
34) Carbon Tetrachloride	5.661	117	20638	0.509	ppbv	95
39) Trichloroethene	7.170	130	10679	0.486	ppbv	98
48) Toluene	9.047	91	24673	0.497	ppbv	99
52) Tetrachloroethene	9.523	166	15381	0.499	ppbv	97
55) Chlorobenzene	10.850	112	21653	0.498	ppbv	85
56) Ethylbenzene	10.933	91	34314	0.511	ppbv	97
57) m,p-Xylene	11.118	91	51822	1.009	ppbv	98
61) o-Xylene	11.612	91	27566	0.496	ppbv	99
71) 1,3-Dichlorobenzene	13.549	146	18959	0.470	ppbv	98
72) 1,4-Dichlorobenzene	13.646	146	18363	0.466	ppbv	99
75) 1,2-Dichlorobenzene	14.036	146	14228	0.453	ppbv	98
77) 1,2,4-Trichlorobenzene	15.203	180	2595	0.266	ppbv	96
82] Vinyl Chloride(sim)	1.721	62	8842	0.453	ppbv	99
86] Benzene(sim)	6.310	78	20907	0.449	ppbv	100
87] Carbon Tetrachloride(sim)	5.661	117	20638	0.489	ppbv	93
88] 1,1-Dichloroethene(sim)	2.625	61	15461	0.447	ppbv	99
92] Cis-1,2-Dichloroethene...	4.990	61	16079	0.494	ppbv	95
98] Trichloroethene(sim)	7.180	130	11455	0.474	ppbv	100
104] Tetrachloroethene(sim)	9.526	166	15786	0.479	ppbv	100
108] Ethylbenzene(sim)	10.935	91	36367	0.461	ppb	100
109] m,p-Xylene(sim)	11.118	91	51824	0.974	ppbv	99
116] 1,4-Dichlorobenzene(sim)	13.649	146	20005	0.434	ppbv	100

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

Data Path : H:\AIR2021\CHEM24\04APR\21A\
Data File : 0421_08.D
Acq On : 22 Apr 2021 2:14 am
Operator : Keith
Client ID : ICAL 0.5
Lab ID : 0.50
ALS Vial : 52 Sample Multiplier: 1

Quant Time: Apr 22 08:15:12 2021
Quant Method : H:\AIR2021\CHEM24\METHODS\24AIR_0421.M
Quant Title : VOA Standards for 5 point calibration
QLast Update : Thu Apr 22 08:15:00 2021
Response via : Initial Calibration



Quantitation Report (RF) (QT Reviewed)

Data Path : H:\AIR2021\CHEM24\04APR\21A\
 Data File : 0421_09.D
 Acq On : 22 Apr 2021 2:49 am
 Operator : Keith
 Client ID : ICAL 2.5
 Lab ID : 2.5
 ALS Vial : 53 Sample Multiplier: 1

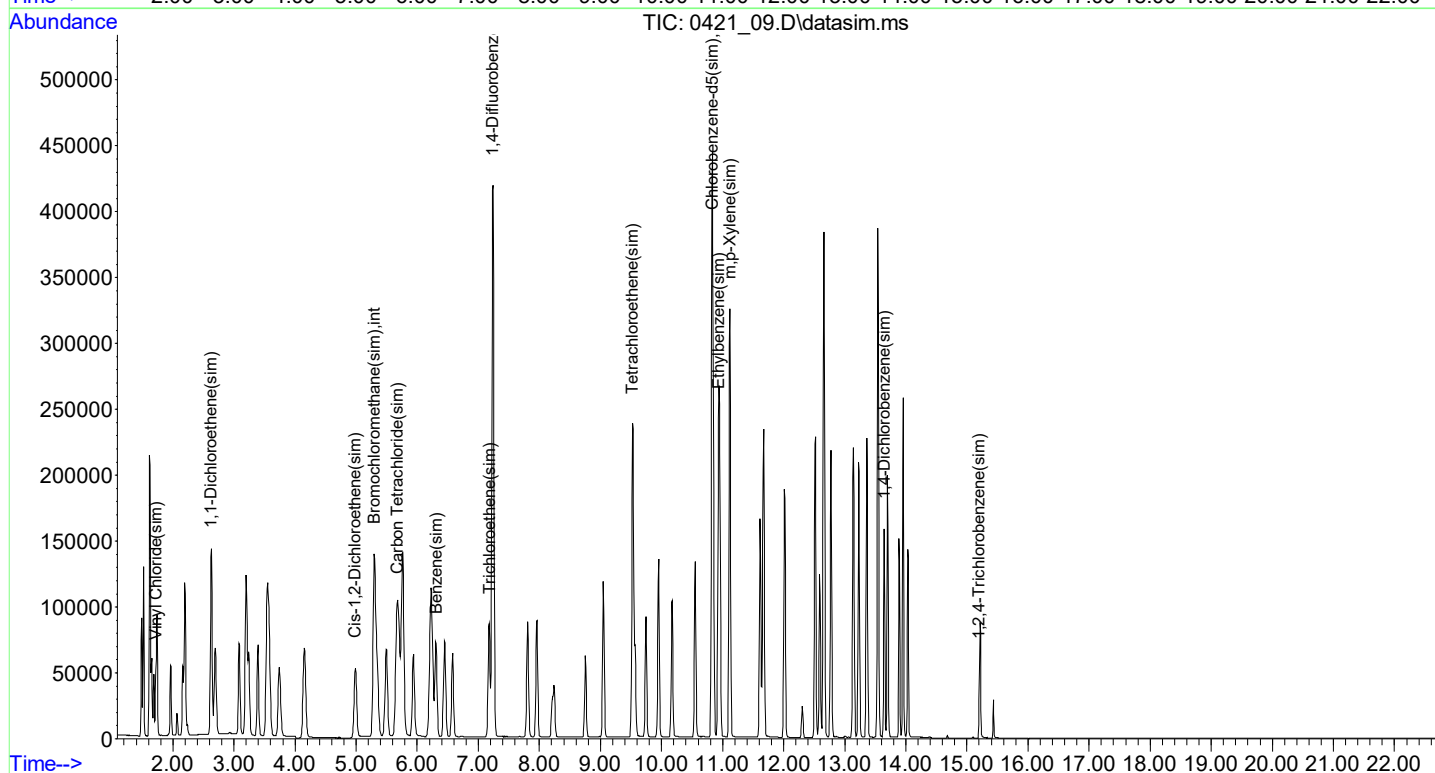
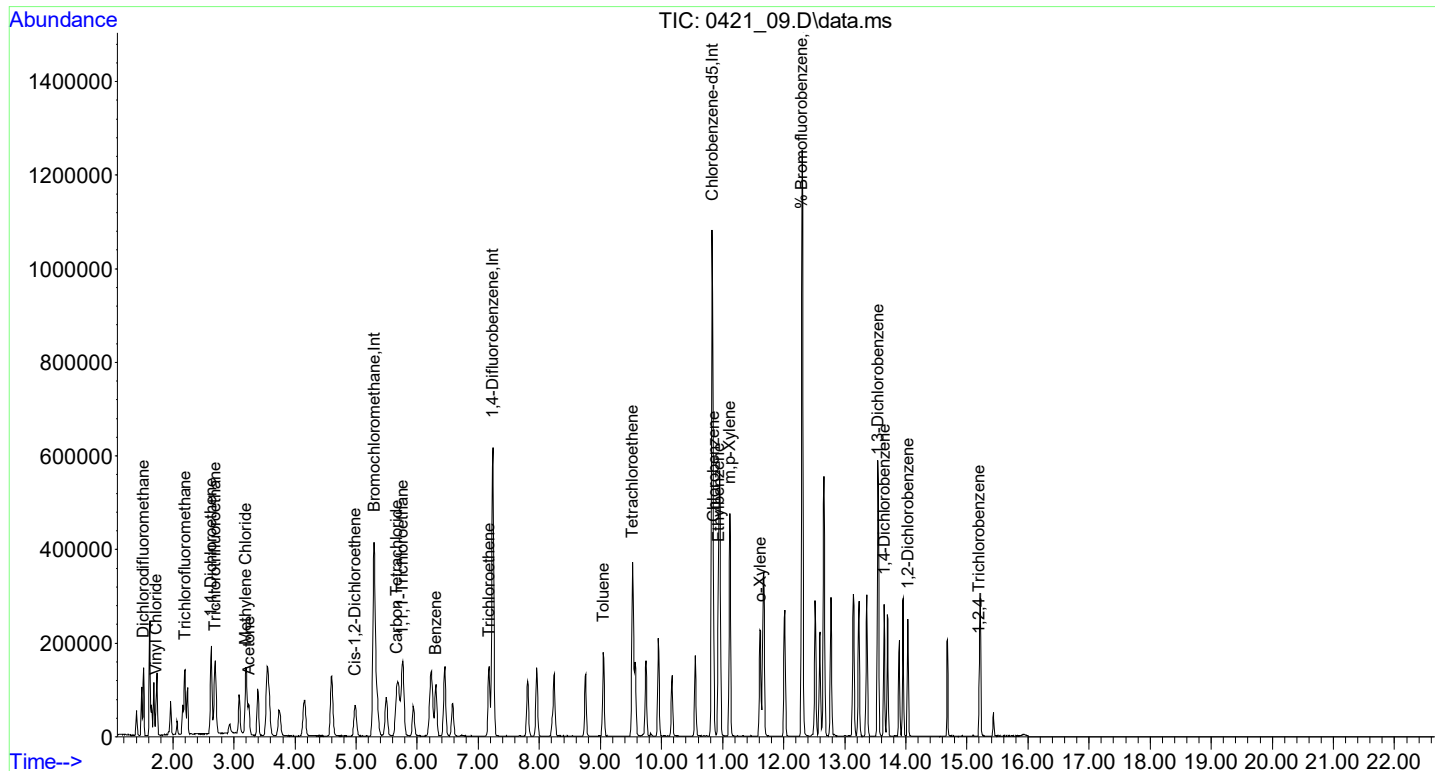
Quant Time: Apr 22 08:14:51 2021
 Quant Method : H:\AIR2021\CHEM24\METHODS\24AIR_0421.M
 Quant Title : VOA Standards for 5 point calibration
 QLast Update : Thu Apr 22 08:14:38 2021
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	5.293	130	164690	10.000	ng	0.00
36) 1,4-Difluorobenzene	7.238	114	543332	10.000	ng	0.00
53) Chlorobenzene-d5	10.829	82	279424	10.000	ng	0.00
80) Bromochloromethane(sim)	5.296	130	170376	10.000	ng	# 0.00
95) 1,4-Difluorobenzene(sim)	7.238	114	543332	10.000	ng	0.00
105) Chlorobenzene-d5(sim)	10.829	82	279424	10.000	ng	0.00
System Monitoring Compounds						
62) % Bromofluorobenzene	12.303	95	385539	9.753	ppbv	0.00
Spiked Amount	10.000	Range	70 - 130	Recovery	=	97.50%
Target Compounds						
					Qvalue	
3) Dichlorodifluoromethane	1.519	85	87650	2.400	ppbv	100
6) Vinyl Chloride	1.725	62	40446	2.321	ppbv	98
12) Acetone	3.244	43	105590	2.454	ppbv	99
13) Trichlorofluoromethane	2.197	101	104799	2.432	ppbv	99
16) 1,1-Dichloroethene	2.629	61	73216	2.443	ppbv	98
17) Methylene Chloride	3.190	49	71789	2.453	ppbv	99
21) Trichlorotrifluoroethane	2.690	101	72453	2.416	ppbv	99
26) Cis-1,2-Dichloroethene	4.982	61	73797	2.526	ppbv	98
32) 1,1,1-Trichloroethane	5.755	97	92427	2.459	ppbv	98
33) Benzene	6.307	78	94262	2.406	ppbv	98
34) Carbon Tetrachloride	5.668	117	100048	2.449	ppbv	100
39) Trichloroethene	7.177	130	54760	2.461	ppbv	98
48) Toluene	9.046	91	122266	2.430	ppbv	100
52) Tetrachloroethene	9.522	166	76659	2.457	ppbv	99
55) Chlorobenzene	10.850	112	107431	2.399	ppbv	98
56) Ethylbenzene	10.932	91	165919	2.400	ppbv	99
57) m,p-Xylene	11.117	91	259930	4.918	ppbv	100
61) o-Xylene	11.618	91	134911	2.358	ppbv	99
71) 1,3-Dichlorobenzene	13.548	146	101918	2.456	ppbv	99
72) 1,4-Dichlorobenzene	13.646	146	96123	2.371	ppbv	100
75) 1,2-Dichlorobenzene	14.035	146	77890	2.407	ppbv	99
77) 1,2,4-Trichlorobenzene	15.204	180	19817	1.819	ppbv	96
82] Vinyl Chloride(sim)	1.721	62	44814	2.275	ppbv	100
86] Benzene(sim)	6.310	78	104784	2.232	ppbv	100
87] Carbon Tetrachloride(sim)	5.668	117	99889	2.347	ppbv	99
88] 1,1-Dichloroethene(sim)	2.625	61	78612	2.255	ppbv	100
92] Cis-1,2-Dichloroethene...	4.985	61	76293	2.325	ppbv	98
98] Trichloroethene(sim)	7.180	130	57928	2.368	ppbv	100
104] Tetrachloroethene(sim)	9.525	166	79686	2.386	ppbv	100
108] Ethylbenzene(sim)	10.935	91	182873	2.249	ppb	100
109] m,p-Xylene(sim)	11.117	91	260116	4.749	ppbv	100
116] 1,4-Dichlorobenzene(sim)	13.649	146	107480	2.267	ppbv	100

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

Data Path : H:\AIR2021\CHEM24\04APR\21A\
Data File : 0421_09.D
Acq On : 22 Apr 2021 2:49 am
Operator : Keith
Client ID : ICAL 2.5
Lab ID : 2.5
ALS Vial : 53 Sample Multiplier: 1

Quant Time: Apr 22 08:14:51 2021
Quant Method : H:\AIR2021\CHEM24\METHODS\24AIR_0421.M
Quant Title : VOA Standards for 5 point calibration
QLast Update : Thu Apr 22 08:14:38 2021
Response via : Initial Calibration



Quantitation Report (RF) (QT Reviewed)

Data Path : H:\AIR2021\CHEM24\04APR\21A\
 Data File : 0421_10.D
 Acq On : 22 Apr 2021 3:21 am
 Operator : Keith
 Client ID : ICAL 5
 Lab ID : 5.0
 ALS Vial : 54 Sample Multiplier: 1

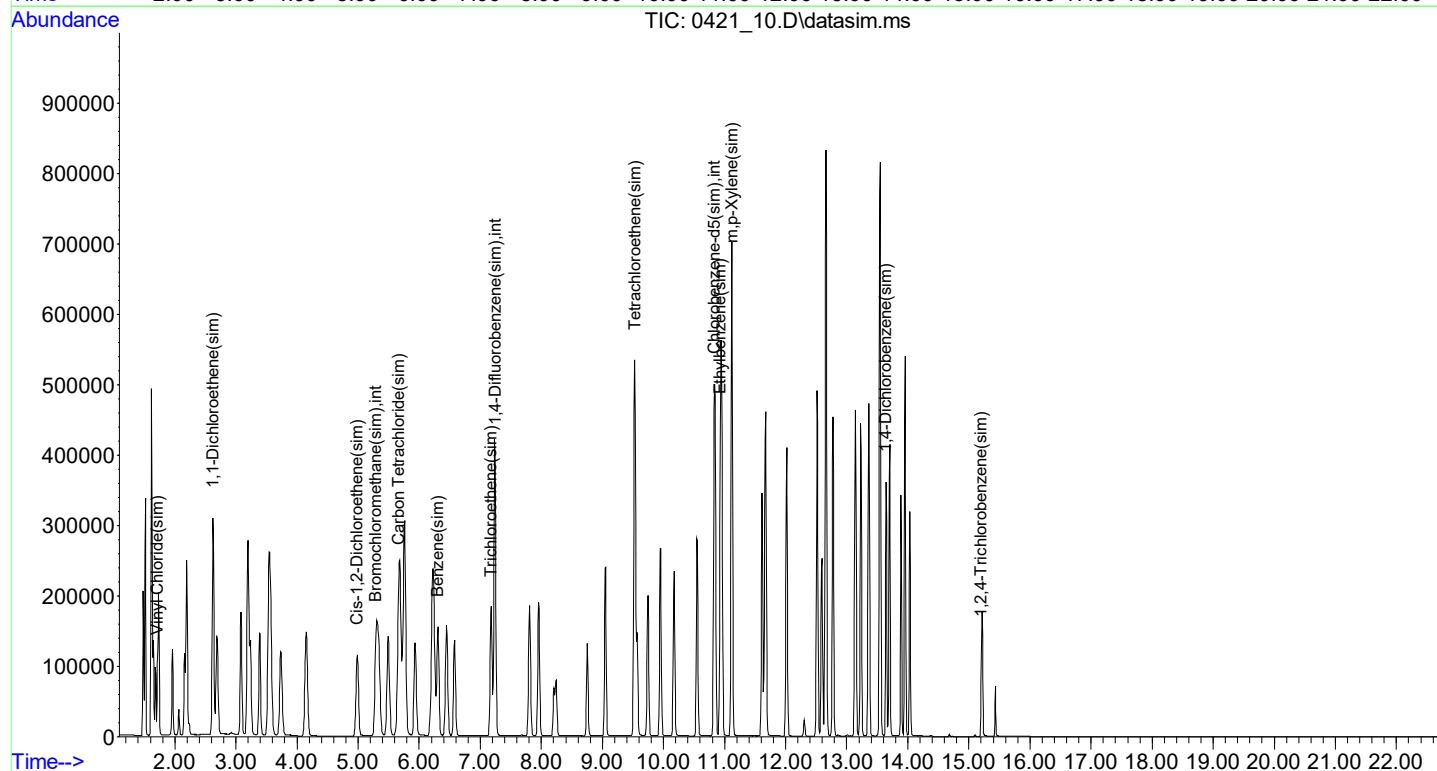
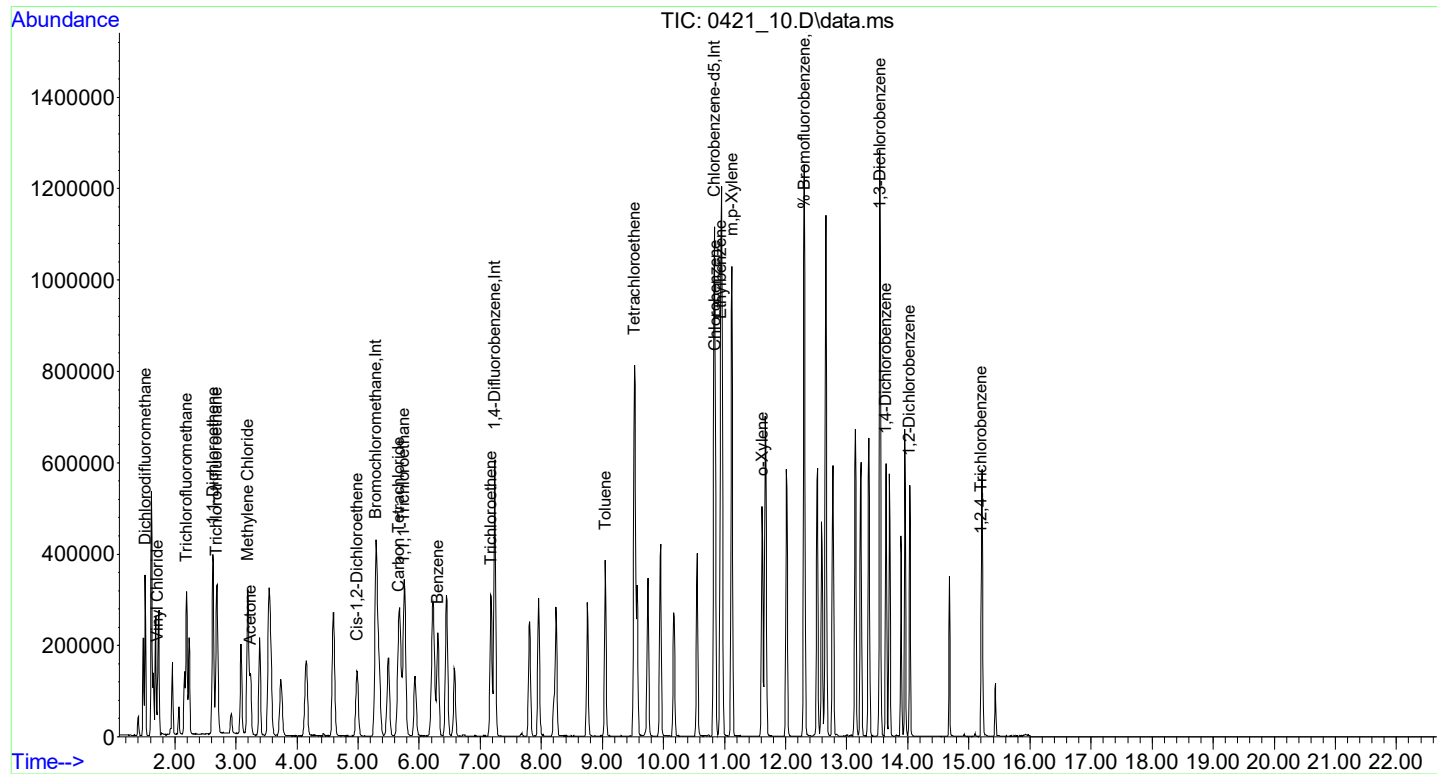
Quant Time: Apr 22 08:14:30 2021
 Quant Method : H:\AIR2021\CHEM24\METHODS\24AIR_0421.M
 Quant Title : VOA Standards for 5 point calibration
 QLast Update : Thu Apr 22 08:14:17 2021
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	5.289	130	161930	10.000	ng	-0.01
36) 1,4-Difluorobenzene	7.240	114	535126	10.000	ng	0.00
53) Chlorobenzene-d5	10.831	82	270891	10.000	ng	0.00
80) Bromochloromethane(sim)	5.291	130	167130	10.000	ng	#-0.01
95) 1,4-Difluorobenzene(sim)	7.240	114	535126	10.000	ng	0.00
105) Chlorobenzene-d5(sim)	10.831	82	270891	10.000	ng	0.00
System Monitoring Compounds						
62) % Bromofluorobenzene	12.304	95	378927	9.860	ppbv	0.00
Spiked Amount	10.000	Range	70 - 130	Recovery	=	98.60%
Target Compounds						
						Qvalue
3) Dichlorodifluoromethane	1.513	85	212704	5.922	ppbv	100
6) Vinyl Chloride	1.718	62	90585	5.286	ppbv	99
12) Acetone	3.238	43	215705	5.099	ppbv	100
13) Trichlorofluoromethane	2.191	101	225824	5.329	ppbv	100
16) 1,1-Dichloroethene	2.622	61	157751	5.354	ppbv	99
17) Methylene Chloride	3.190	49	153868	5.347	ppbv	99
21) Trichlorotrifluoroethane	2.684	101	154679	5.246	ppbv	100
26) Cis-1,2-Dichloroethene	4.982	61	152285	5.302	ppbv	98
32) 1,1,1-Trichloroethane	5.750	97	196946	5.329	ppbv	99
33) Benzene	6.302	78	201951	5.242	ppbv	100
34) Carbon Tetrachloride	5.663	117	216746	5.395	ppbv	99
39) Trichloroethene	7.172	130	117267	5.350	ppbv	99
48) Toluene	9.048	91	257566	5.198	ppbv	100
52) Tetrachloroethene	9.525	166	162008	5.271	ppbv	100
55) Chlorobenzene	10.845	112	226810	5.225	ppbv	99
56) Ethylbenzene	10.934	91	352335	5.257	ppbv	99
57) m,p-Xylene	11.120	91	551500	10.762	ppbv	99
61) o-Xylene	11.614	91	288056	5.193	ppbv	99
71) 1,3-Dichlorobenzene	13.544	146	216073	5.371	ppbv	100
72) 1,4-Dichlorobenzene	13.641	146	204298	5.198	ppbv	100
75) 1,2-Dichlorobenzene	14.031	146	160533	5.116	ppbv	99
77) 1,2,4-Trichlorobenzene	15.204	180	46121	3.879	ppbv	96
82] Vinyl Chloride(sim)	1.714	62	97948	5.068	ppbv	100
86] Benzene(sim)	6.305	78	221582	4.811	ppbv	100
87] Carbon Tetrachloride(sim)	5.663	117	216746	5.192	ppbv	99
88] 1,1-Dichloroethene(sim)	2.625	61	168282	4.922	ppbv	100
92] Cis-1,2-Dichloroethene...	4.985	61	172741	5.367	ppbv	98
98] Trichloroethene(sim)	7.175	130	123081	5.109	ppbv	100
104] Tetrachloroethene(sim)	9.528	166	168040	5.108	ppbv	100
108] Ethylbenzene(sim)	10.930	91	386434	4.903	ppb	100
109] m,p-Xylene(sim)	11.120	91	551500	10.387	ppbv	99
116] 1,4-Dichlorobenzene(sim)	13.644	146	230388	5.012	ppbv	99

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

Data Path : H:\AIR2021\CHEM24\04APR\21A\
Data File : 0421_10.D
Acq On : 22 Apr 2021 3:21 am
Operator : Keith
Client ID : ICAL 5
Lab ID : 5.0
ALS Vial : 54 Sample Multiplier: 1

Quant Time: Apr 22 08:14:30 2021
Quant Method : H:\AIR2021\CHEM24\METHODS\24AIR_0421.M
Quant Title : VOA Standards for 5 point calibration
QLast Update : Thu Apr 22 08:14:17 2021
Response via : Initial Calibration



Quantitation Report (RF) (QT Reviewed)

Data Path : H:\AIR2021\CHEM24\04APR\21A\
 Data File : 0421_11.D
 Acq On : 22 Apr 2021 3:57 am
 Operator : Keith
 Client ID : ICAL 25
 Lab ID : 25
 ALS Vial : 55 Sample Multiplier: 1

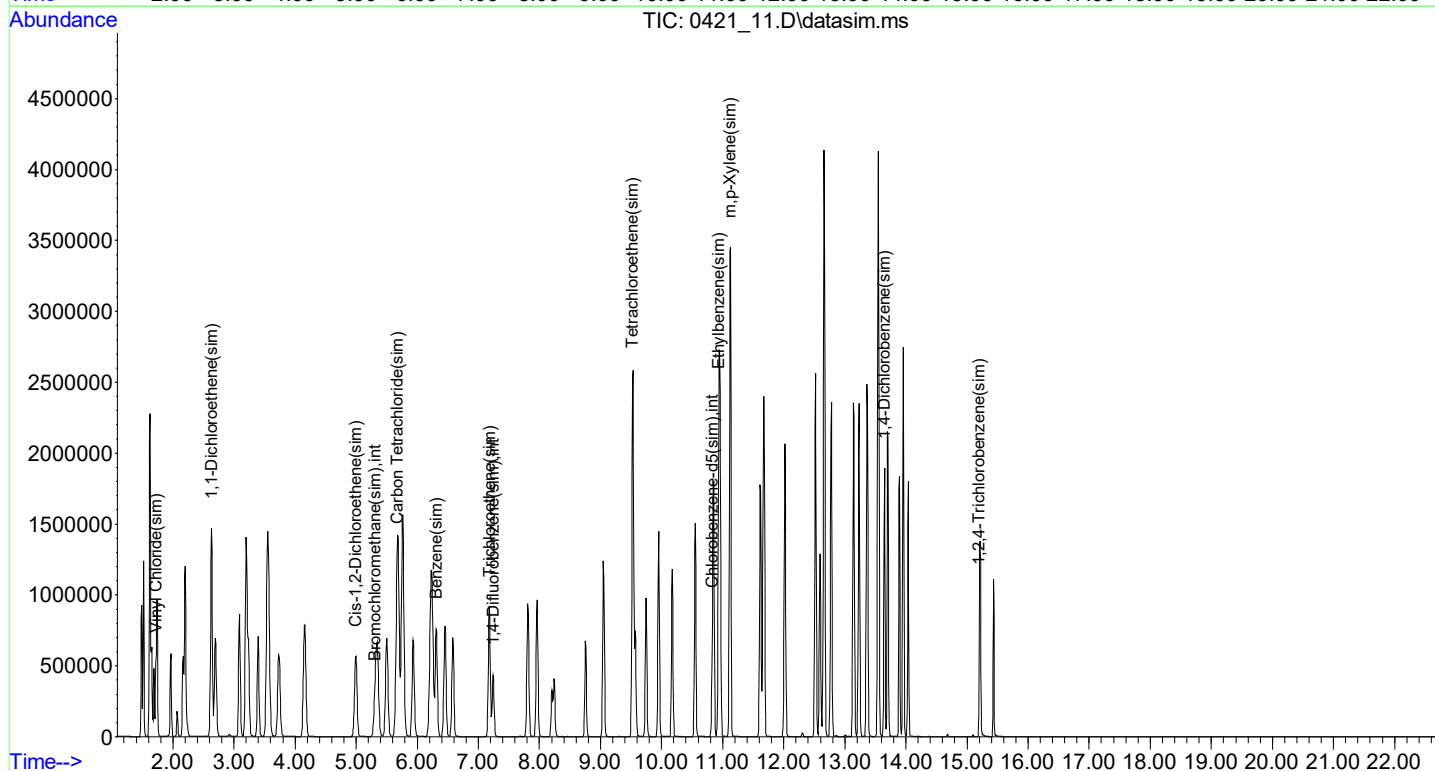
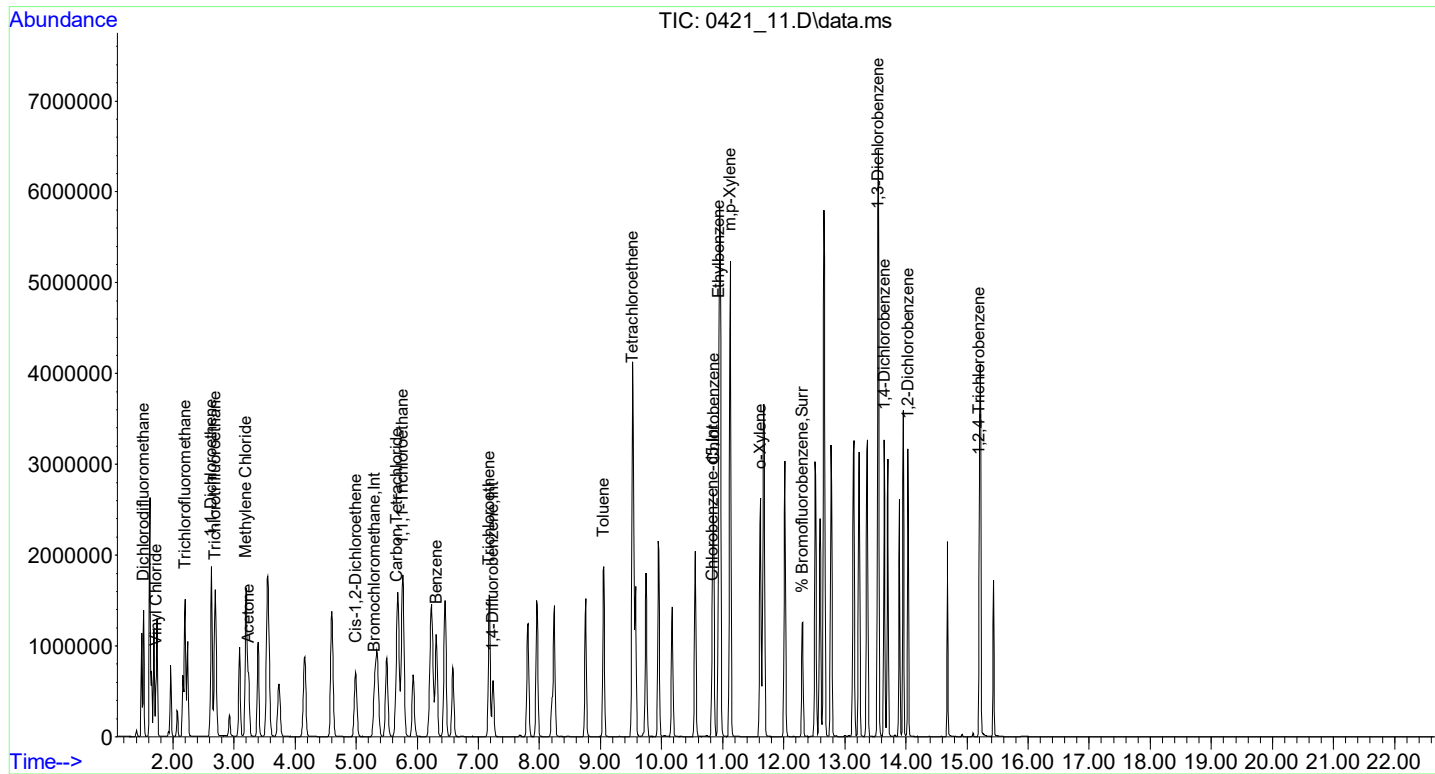
Quant Time: Apr 22 08:14:06 2021
 Quant Method : H:\AIR2021\CHEM24\METHODS\24AIR_0421.M
 Quant Title : VOA Standards for 5 point calibration
 QLast Update : Thu Apr 22 08:13:53 2021
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	5.301	130	164069	10.000	ng	0.00
36) 1,4-Difluorobenzene	7.238	114	544326	10.000	ng	0.00
53) Chlorobenzene-d5	10.829	82	276989	10.000	ng	0.00
80) Bromochloromethane(sim)	5.304	130	170161	10.000	ng	# 0.00
95) 1,4-Difluorobenzene(sim)	7.238	114	544326	10.000	ng	0.00
105) Chlorobenzene-d5(sim)	10.829	82	276989	10.000	ng	0.00
System Monitoring Compounds						
62) % Bromofluorobenzene	12.303	95	403415	10.358	ppbv	0.00
Spiked Amount	10.000	Range	70 - 130	Recovery	=	103.60%
Target Compounds						
					Qvalue	
3) Dichlorodifluoromethane	1.519	85	855653	23.513	ppbv	100
6) Vinyl Chloride	1.725	62	438277	25.244	ppbv	99
12) Acetone	3.238	43	1089909	25.430	ppbv	99
13) Trichlorofluoromethane	2.198	101	1111497	25.886	ppbv	100
16) 1,1-Dichloroethene	2.629	61	762387	25.536	ppbv	99
17) Methylene Chloride	3.196	49	757867	25.991	ppbv	99
21) Trichlorotrifluoroethane	2.690	101	768739	25.733	ppbv	100
26) Cis-1,2-Dichloroethene	4.992	61	720792	24.770	ppbv	98
32) 1,1,1-Trichloroethane	5.762	97	981400	26.207	ppbv	99
33) Benzene	6.314	78	1018352	26.088	ppbv	100
34) Carbon Tetrachloride	5.668	117	1085956	26.678	ppbv	100
39) Trichloroethene	7.177	130	582773	26.140	ppbv	99
48) Toluene	9.053	91	1318331	26.157	ppbv	100
52) Tetrachloroethene	9.523	166	807801	25.840	ppbv	99
55) Chlorobenzene	10.850	112	1173442	26.436	ppbv	100
56) Ethylbenzene	10.939	91	1810649	26.419	ppbv	100
57) m, p-Xylene	11.124	91	2825540	53.926	ppbv	100
61) o-Xylene	11.618	91	1477421	26.046	ppbv	99
71) 1,3-Dichlorobenzene	13.548	146	1120908	27.251	ppbv	99
72) 1,4-Dichlorobenzene	13.646	146	1098571	27.333	ppbv	100
75) 1,2-Dichlorobenzene	14.035	146	898683	28.011	ppbv	100
77) 1,2,4-Trichlorobenzene	15.202	180	483531	30.660	ppbv	99
82] Vinyl Chloride(sim)	1.721	62	472304	24.003	ppbv	100
86] Benzene(sim)	6.310	78	1114249	23.762	ppbv	99
87] Carbon Tetrachloride(sim)	5.668	117	1085956	25.550	ppbv	100
88] 1,1-Dichloroethene(sim)	2.632	61	818809	23.521	ppbv	99
92] Cis-1,2-Dichloroethene...	4.995	61	871550	26.596	ppbv	99
98] Trichloroethene(sim)	7.180	130	615978	25.138	ppbv	100
104] Tetrachloroethene(sim)	9.525	166	835538	24.969	ppbv	100
108] Ethylbenzene(sim)	10.935	91	1969525	24.438	ppb	100
109] m, p-Xylene(sim)	11.124	91	2826802	52.069	ppbv	100
116] 1,4-Dichlorobenzene(sim)	13.649	146	1222058	26.002	ppbv	100

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

Data Path : H:\AIR2021\CHEM24\04APR\21A\
Data File : 0421_11.D
Acq On : 22 Apr 2021 3:57 am
Operator : Keith
Client ID : ICAL 25
Lab ID : 25
ALS Vial : 55 Sample Multiplier: 1

Quant Time: Apr 22 08:14:06 2021
Quant Method : H:\AIR2021\CHEM24\METHODS\24AIR_0421.M
Quant Title : VOA Standards for 5 point calibration
QLast Update : Thu Apr 22 08:13:53 2021
Response via : Initial Calibration



Quantitation Report (RF) (QT Reviewed)

Data Path : H:\AIR2021\CHEM24\04APR\21A\
 Data File : 0421_12.D
 Acq On : 22 Apr 2021 4:37 am
 Operator : Keith
 Client ID : ICAL 40
 Lab ID : 40
 ALS Vial : 56 Sample Multiplier: 1

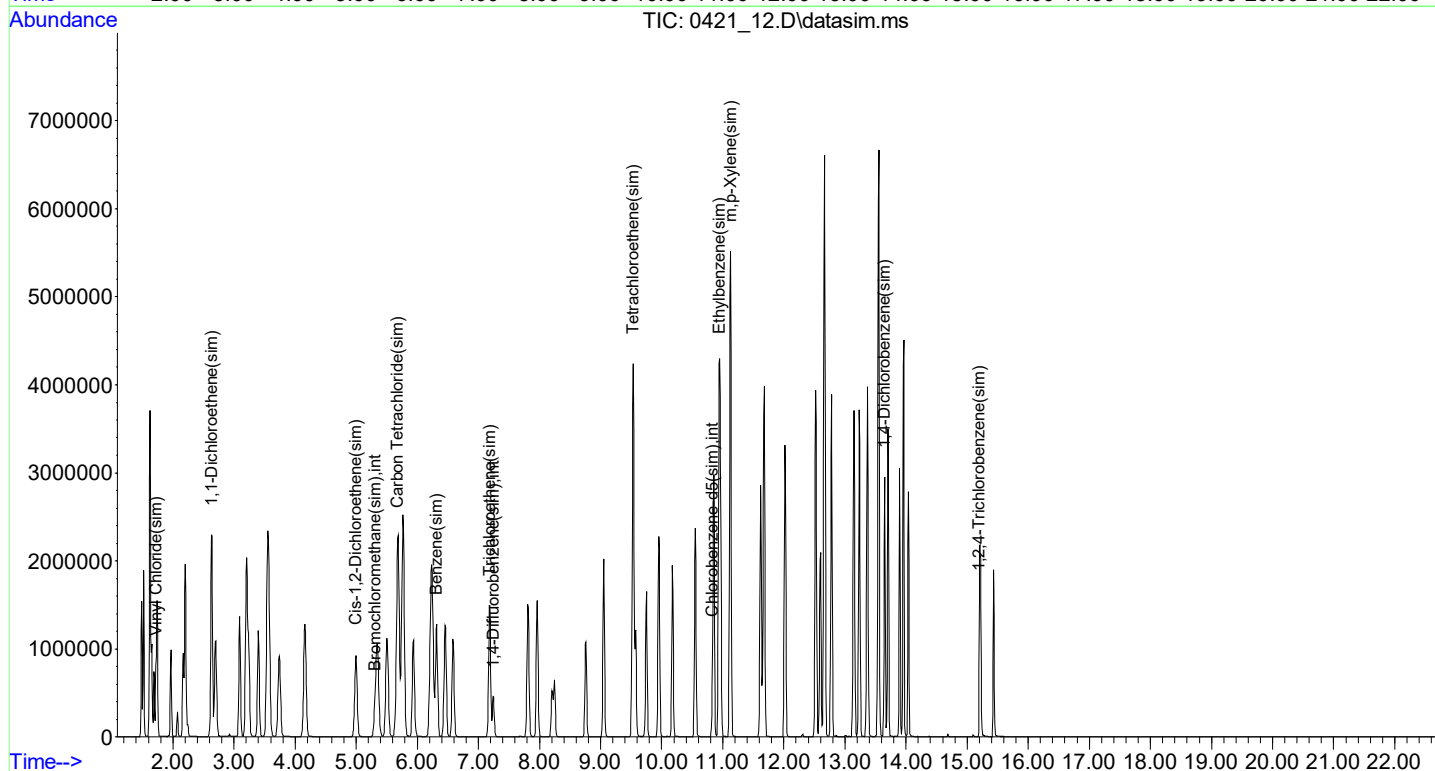
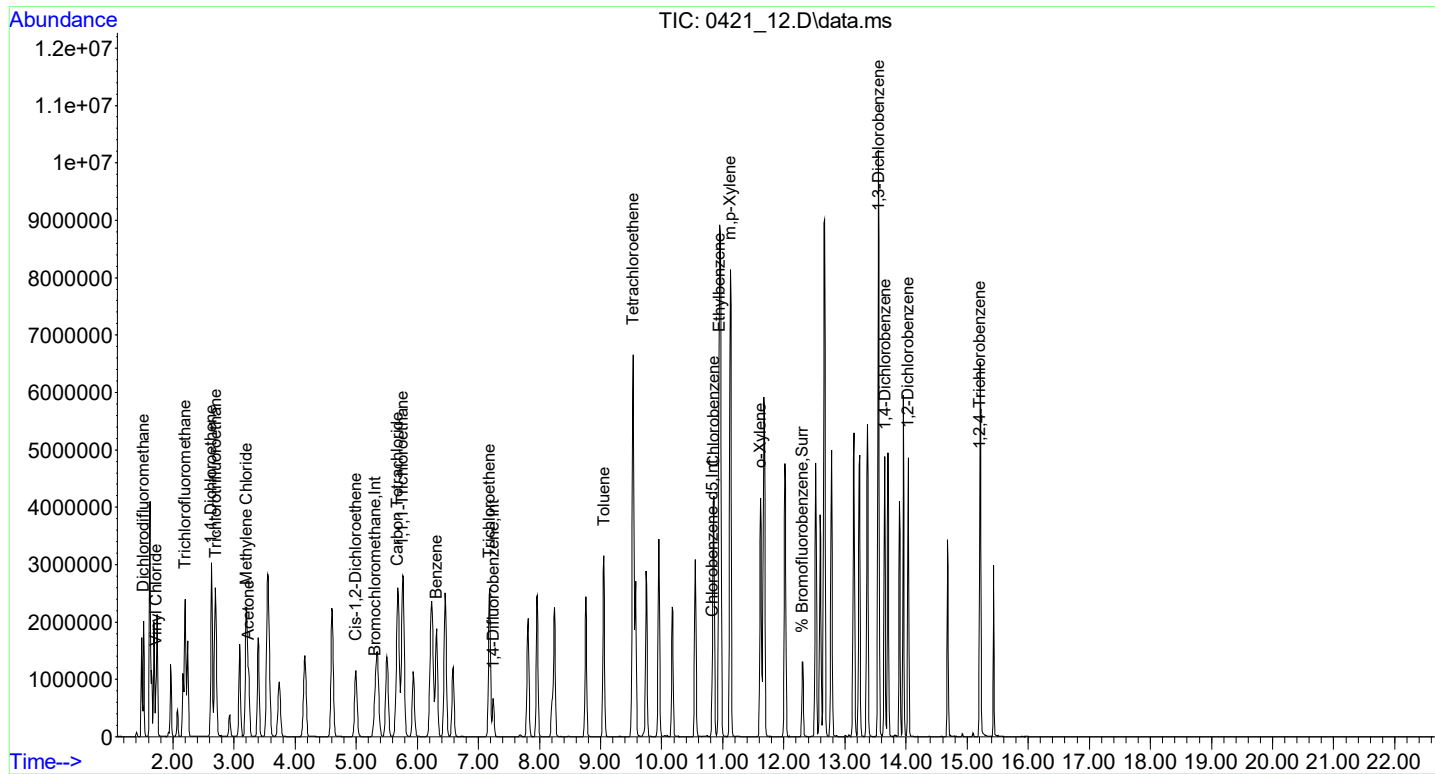
Quant Time: Apr 22 08:13:41 2021
 Quant Method : H:\AIR2021\CHEM24\METHODS\24AIR_0421.M
 Quant Title : VOA Standards for 5 point calibration
 QLast Update : Thu Apr 22 08:13:28 2021
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	5.308	130	176247	10.000	ng	0.02
36) 1,4-Difluorobenzene	7.245	114	586042	10.000	ng	0.00
53) Chlorobenzene-d5	10.830	82	297788	10.000	ng	0.00
80) Bromochloromethane(sim)	5.304	130	181331	10.000	ng	# 0.00
95) 1,4-Difluorobenzene(sim)	7.245	114	586042	10.000	ng	0.00
105) Chlorobenzene-d5(sim)	10.830	82	297788	10.000	ng	0.00
System Monitoring Compounds						
62) % Bromofluorobenzene	12.303	95	416571	9.923	ppbv	0.00
Spiked Amount	10.000	Range	70 - 130	Recovery	=	99.20%
Target Compounds						
						Qvalue
3) Dichlorodifluoromethane	1.519	85	1233160	31.546	ppbv	100
6) Vinyl Chloride	1.725	62	714463	38.308	ppbv	100
12) Acetone	3.238	43	1749187	37.992	ppbv	100
13) Trichlorofluoromethane	2.198	101	1781271	38.619	ppbv	99
16) 1,1-Dichloroethene	2.629	61	1239874	38.660	ppbv	99
17) Methylene Chloride	3.197	49	1095772	34.983	ppbv	99
21) Trichlorotrifluoroethane	2.697	101	1246486	38.842	ppbv	100
26) Cis-1,2-Dichloroethene	4.992	61	1124488	35.973	ppbv	99
32) 1,1,1-Trichloroethane	5.762	97	1583690	39.368	ppbv	100
33) Benzene	6.314	78	1677717	40.010	ppbv	99
34) Carbon Tetrachloride	5.676	117	1752432	40.076	ppbv	100
39) Trichloroethene	7.184	130	960935	40.034	ppbv	99
48) Toluene	9.054	91	2153954	39.695	ppbv	99
52) Tetrachloroethene	9.530	166	1308170	38.868	ppbv	99
55) Chlorobenzene	10.850	112	1917322	40.177	ppbv	100
56) Ethylbenzene	10.939	91	2887510	39.188	ppbv	100
57) m,p-Xylene	11.125	91	4572501	81.171	ppbv	99
61) o-Xylene	11.619	91	2449257	40.163	ppbv	99
71) 1,3-Dichlorobenzene	13.555	146	1801281	40.734	ppbv	99
72) 1,4-Dichlorobenzene	13.653	146	1786607	41.347	ppbv	100
75) 1,2-Dichlorobenzene	14.036	146	1465800	42.497	ppbv	100
82] Vinyl Chloride(sim)	1.721	62	771123	36.775	ppbv	100
86] Benzene(sim)	6.317	78	1842900	36.881	ppbv	100
87] Carbon Tetrachloride(sim)	5.676	117	1752432	38.690	ppbv	100
88] 1,1-Dichloroethene(sim)	2.632	61	1330631	35.869	ppbv	100
92] Cis-1,2-Dichloroethene...	4.995	61	1391089	39.835	ppbv	99
98] Trichloroethene(sim)	7.187	130	1016674	38.536	ppbv	100
104] Tetrachloroethene(sim)	9.533	166	1352004	37.527	ppbv	100
108] Ethylbenzene(sim)	10.942	91	3139909	36.239	ppb	100
109] m,p-Xylene(sim)	11.125	91	4575080	78.385	ppbv	99
116] 1,4-Dichlorobenzene(sim)	13.649	146	1975492	39.097	ppbv	99

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

Data Path : H:\AIR2021\CHEM24\04APR\21A\
Data File : 0421_12.D
Acq On : 22 Apr 2021 4:37 am
Operator : Keith
Client ID : ICAL 40
Lab ID : 40
ALS Vial : 56 Sample Multiplier: 1

Quant Time: Apr 22 08:13:41 2021
Quant Method : H:\AIR2021\CHEM24\METHODS\24AIR_0421.M
Quant Title : VOA Standards for 5 point calibration
QLast Update : Thu Apr 22 08:13:28 2021
Response via : Initial Calibration



Data Path : H:\AIR2021\CHEM24\04APR\21A\
 Data File : 0421_14.D
 Acq On : 22 Apr 2021 5:40 am
 Operator : Keith
 Client ID : ICAL 1
 Lab ID : 1ppb
 ALS Vial : 58 Sample Multiplier: 1

Quant Time: Apr 22 08:23:52 2021
 Quant Title :
 QLast Update : Thu Apr 22 08:23:13 2021
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	5.294	130	175257	10.000	ng	0.00
36) 1,4-Difluorobenzene	7.232	114	578680	10.000	ng	0.00
53) Chlorobenzene-d5	10.829	82	293034	10.000	ng	0.00
80) Bromochloromethane(sim)	5.289	130	181886	10.000	ng	# 0.00
95) 1,4-Difluorobenzene(sim)	7.232	114	578680	10.000	ng	0.00
105) Chlorobenzene-d5(sim)	10.829	82	293034	10.000	ng	0.00

System Monitoring Compounds

62) % Bromofluorobenzene	12.303	95	414682	10.090	ppbv	0.00
Spiked Amount	10.000	Range	70 - 130	Recovery	=	100.90%

Target Compounds

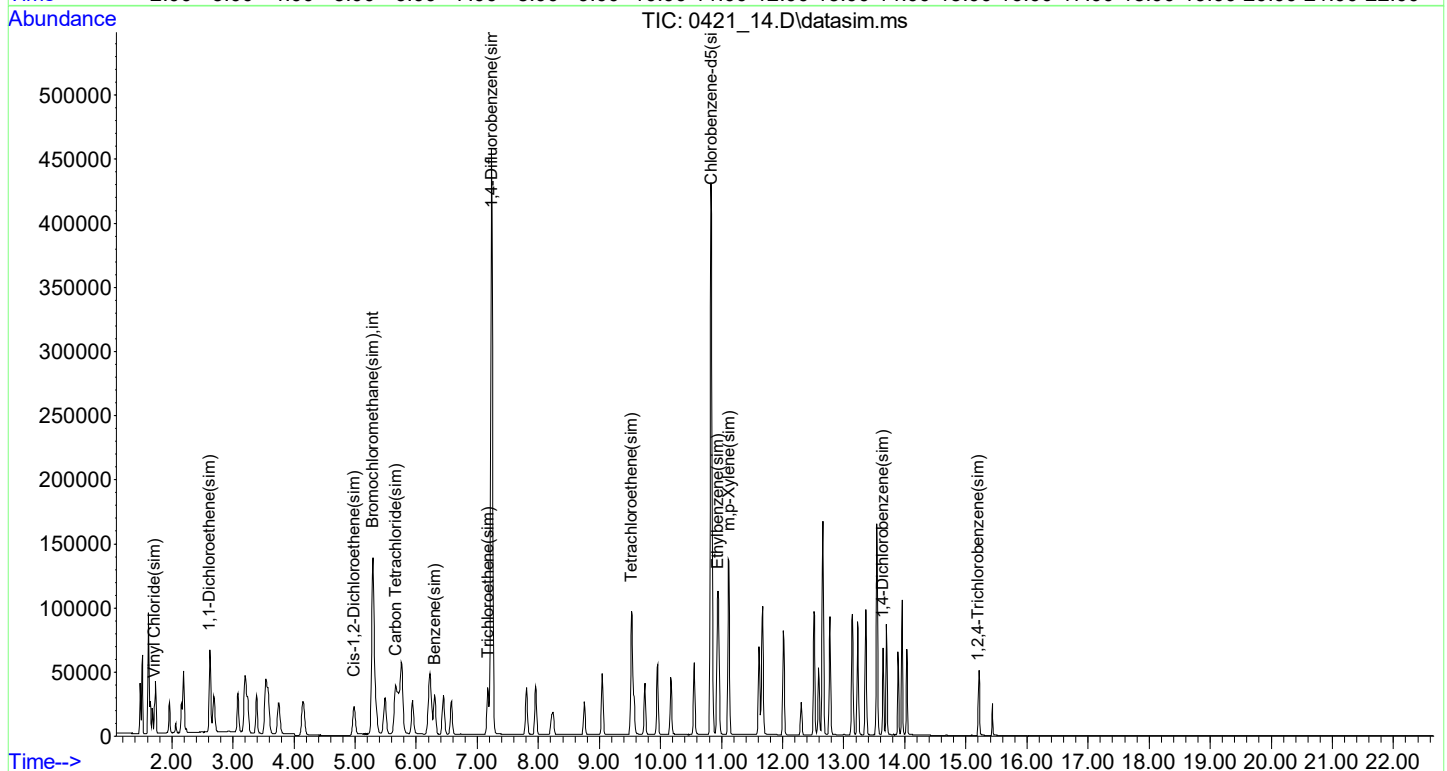
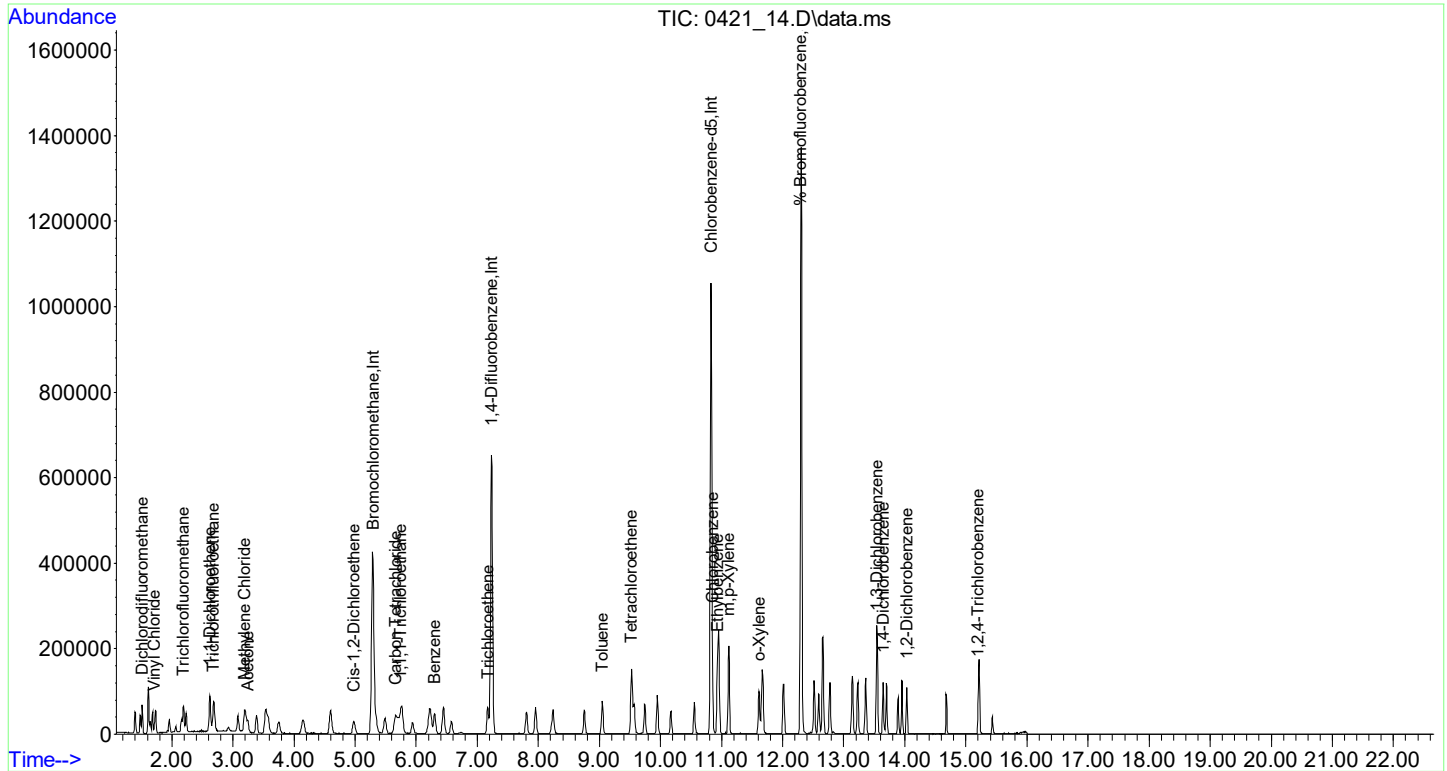
						Qvalue
3) Dichlorodifluoromethane	1.513	85	40135	1.033	ppbv	100
6) Vinyl Chloride	1.718	62	17890	0.965	ppbv	99
12) Acetone	3.245	43	43918	0.959	ppbv	97
13) Trichlorofluoromethane	2.191	101	44160	0.963	ppbv	96
16) 1,1-Dichloroethene	2.622	61	31990	1.003	ppbv	96
17) Methylene Chloride	3.190	49	31607	1.015	ppbv	96
21) Trichlorotrifluoroethane	2.684	101	30365	0.952	ppbv	98
26) Cis-1,2-Dichloroethene	4.982	61	30989	0.997	ppbv	94
32) 1,1,1-Trichloroethane	5.748	97	39040	0.976	ppbv	96
33) Benzene	6.300	78	41957	1.006	ppbv	94
34) Carbon Tetrachloride	5.661	117	41719	0.959	ppbv	97
39) Trichloroethene	7.177	130	23286	0.982	ppbv	89
48) Toluene	9.046	91	52011	0.971	ppbv	97
52) Tetrachloroethene	9.523	166	32697	0.984	ppbv	99
55) Chlorobenzene	10.850	112	45412	0.967	ppbv#	67
56) Ethylbenzene	10.932	91	71364	0.984	ppbv	89
57) m, p-Xylene	11.117	91	111372	2.009	ppbv	99
61) o-Xylene	11.611	91	58544	0.976	ppbv	97
71) 1,3-Dichlorobenzene	13.549	146	43697	1.004	ppbv	95
72) 1,4-Dichlorobenzene	13.646	146	42077	0.990	ppbv	97
75) 1,2-Dichlorobenzene	14.035	146	33355	0.983	ppbv	97
77) 1,2,4-Trichlorobenzene	15.204	180	12706	1.206	ppbv#	75
82] Vinyl Chloride(sim)	1.714	62	19747	0.939	ppbv	98
86] Benzene(sim)	6.303	78	45215	0.902	ppbv	99
87] Carbon Tetrachloride(sim)	5.661	117	41662	0.917	ppbv#	95
88] 1,1-Dichloroethene(sim)	2.618	61	33793	0.908	ppbv	99
92] Cis-1,2-Dichloroethene...	4.980	61	33522	0.957	ppbv	98
98] Trichloroethene(sim)	7.173	130	24426	0.938	ppbv	100
104] Tetrachloroethene(sim)	9.526	166	33454	0.940	ppbv	100
108] Ethylbenzene(sim)	10.935	91	78084	0.916	ppb	100
109] m, p-Xylene(sim)	11.117	91	111372	1.939	ppbv	98
116] 1,4-Dichlorobenzene(sim)	13.642	146	46593	0.937	ppbv	98
121] 1,2,4-Trichlorobenzene...	15.204	180	12706	1.393	ppbv#	73

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

Quantitation Report (RF) (No Status)

Data Path : H:\AIR2021\CHEM24\04APR\21A\
 Data File : 0421_14.D
 Acq On : 22 Apr 2021 5:40 am
 Operator : Keith
 Client ID : ICAL 1
 Lab ID : 1ppb
 ALS Vial : 58 Sample Multiplier: 1

Quant Time: Apr 22 08:23:52 2021
 Quant Title :
 QLast Update : Thu Apr 22 08:23:13 2021
 Response via : Initial Calibration



Quantitation Report (RF) (QT Reviewed)

Data Path : H:\AIR2021\CHEM24\04APR\21A\
 Data File : 0421_15.D
 Acq On : 22 Apr 2021 6:12 am
 Operator : Keith
 Client ID : ICAL 10
 Lab ID : 10ppb
 ALS Vial : 59 Sample Multiplier: 1

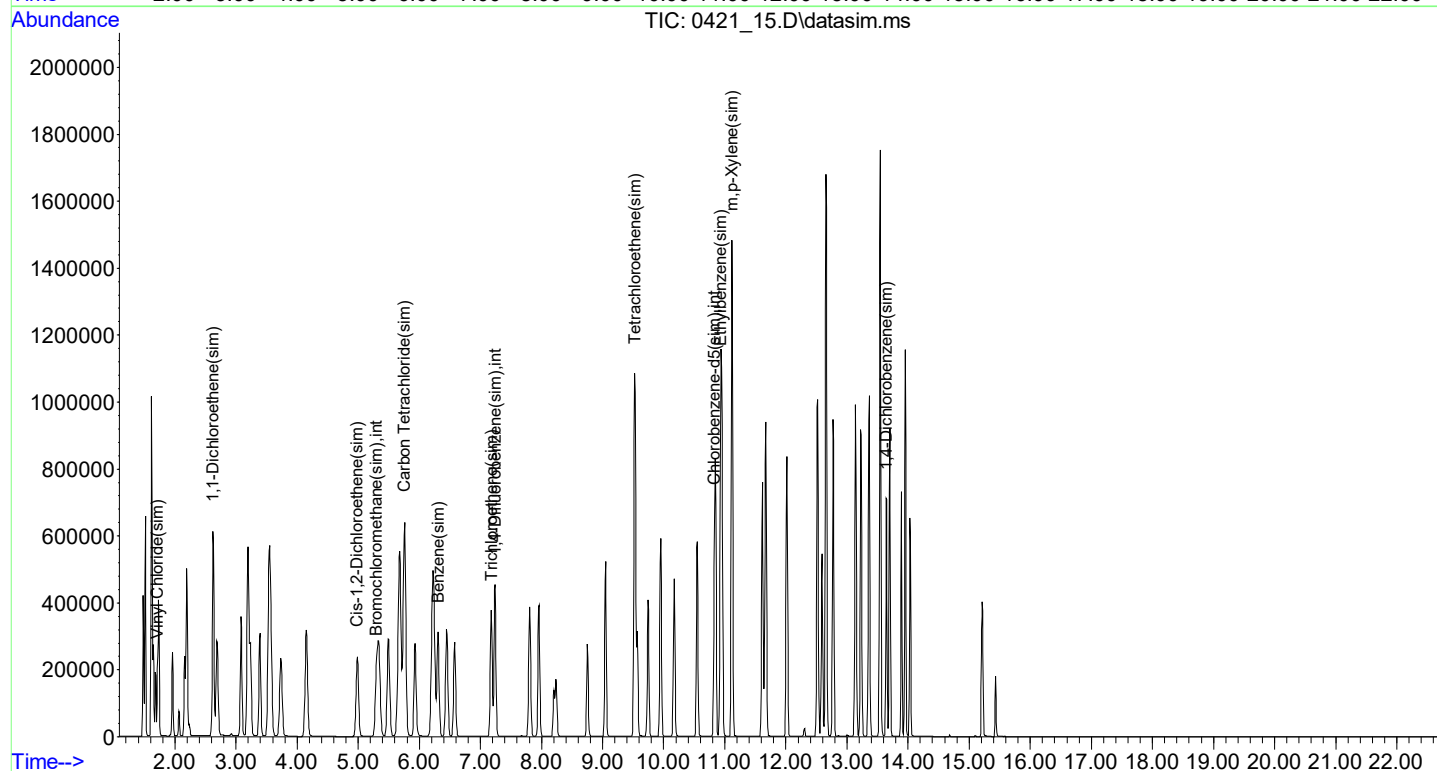
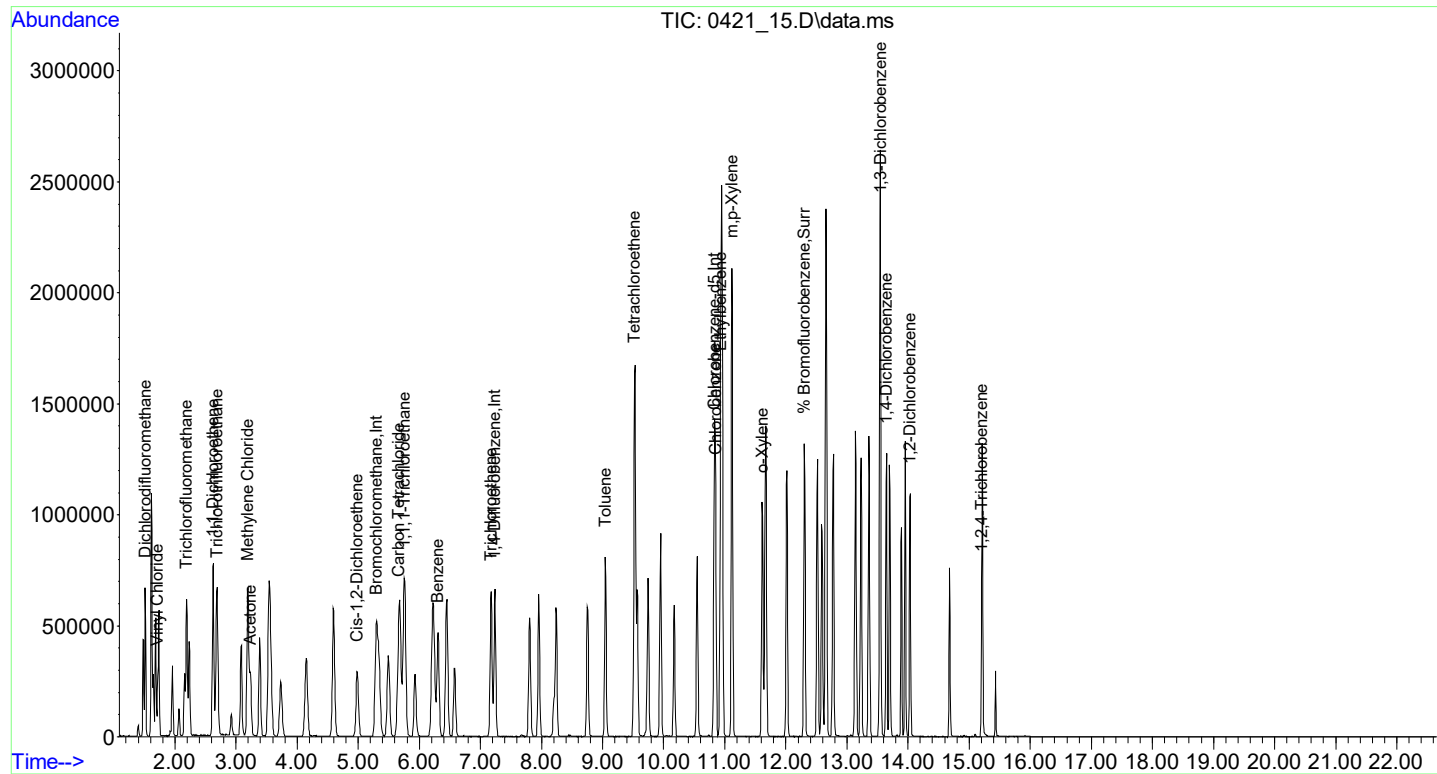
Quant Time: Apr 22 08:24:12 2021
 Quant Method : H:\AIR2021\CHEM24\METHODS\24AIR_0421.M
 Quant Title : VOA Standards for 5 point calibration
 QLast Update : Thu Apr 22 08:23:13 2021
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	5.293	130	175465	10.000	ng	0.00
36) 1,4-Difluorobenzene	7.238	114	578235	10.000	ng	0.00
53) Chlorobenzene-d5	10.829	82	289458	10.000	ng	0.00
80) Bromochloromethane(sim)	5.296	130	181311	10.000	ng	# 0.00
95) 1,4-Difluorobenzene(sim)	7.238	114	578235	10.000	ng	0.00
105) Chlorobenzene-d5(sim)	10.829	82	289458	10.000	ng	0.00
System Monitoring Compounds						
62) % Bromofluorobenzene	12.302	95	406472	10.012	ppbv	0.00
Spiked Amount	10.000	Range	70 - 130	Recovery	= 100.10%	
Target Compounds						
					Qvalue	
3) Dichlorodifluoromethane	1.512	85	412558	10.601	ppbv	99
6) Vinyl Chloride	1.718	62	183482	9.882	ppbv	98
12) Acetone	3.237	43	449798	9.813	ppbv	98
13) Trichlorofluoromethane	2.191	101	455204	9.913	ppbv	96
16) 1,1-Dichloroethene	2.622	61	309444	9.692	ppbv	97
17) Methylene Chloride	3.190	49	318199	10.204	ppbv	95
21) Trichlorotrifluoroethane	2.690	101	315332	9.870	ppbv	97
26) Cis-1,2-Dichloroethene	4.982	61	319019	10.251	ppbv	96
32) 1,1,1-Trichloroethane	5.755	97	403205	10.068	ppbv	98
33) Benzene	6.307	78	421410	10.095	ppbv	92
34) Carbon Tetrachloride	5.668	117	442014	10.153	ppbv	96
39) Trichloroethene	7.177	130	241701	10.206	ppbv	92
48) Toluene	9.046	91	548106	10.237	ppbv	97
52) Tetrachloroethene	9.522	166	338718	10.200	ppbv	98
55) Chlorobenzene	10.850	112	484152	10.437	ppbv#	58
56) Ethylbenzene	10.932	91	744207	10.391	ppbv	90
57) m,p-Xylene	11.117	91	1164899	21.274	ppbv	100
61) o-Xylene	11.611	91	604137	10.192	ppbv	98
71) 1,3-Dichlorobenzene	13.548	146	452202	10.520	ppbv	95
72) 1,4-Dichlorobenzene	13.646	146	435803	10.376	ppbv	97
75) 1,2-Dichlorobenzene	14.035	146	350303	10.448	ppbv	98
77) 1,2,4-Trichlorobenzene	15.202	180	99799	8.175	ppbv#	75
82] Vinyl Chloride(sim)	1.714	62	199905	9.535	ppbv	98
86] Benzene(sim)	6.310	78	463428	9.275	ppbv	99
87] Carbon Tetrachloride(sim)	5.755	117	46653	1.030	ppbv	94
88] 1,1-Dichloroethene(sim)	2.625	61	338377	9.123	ppbv	99
92] Cis-1,2-Dichloroethene...	4.985	61	365357	10.463	ppbv	98
98] Trichloroethene(sim)	7.180	130	256486	9.853	ppbv	100
104] Tetrachloroethene(sim)	9.525	166	350024	9.847	ppbv	100
108] Ethylbenzene(sim)	10.935	91	813799	9.663	ppb	100
109] m,p-Xylene(sim)	11.117	91	1166919	20.568	ppbv	99
116] 1,4-Dichlorobenzene(sim)	13.649	146	483372	9.842	ppbv	98

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

Data Path : H:\AIR2021\CHEM24\04APR\21A\
Data File : 0421_15.D
Acq On : 22 Apr 2021 6:12 am
Operator : Keith
Client ID : ICAL 10
Lab ID : 10ppb
ALS Vial : 59 Sample Multiplier: 1

Quant Time: Apr 22 08:24:12 2021
Quant Method : H:\AIR2021\CHEM24\METHODS\24AIR_0421.M
Quant Title : VOA Standards for 5 point calibration
QLast Update : Thu Apr 22 08:23:13 2021
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.: GCI26486

Instrument: CHEM24 Calibration Date: 05/07/21 Time: 14:56

Lab File Id: 0507_03.D Init. Calib. Date(s): 04/21/21 04/22/21

Heated Purge (Y/N): Y Init. Calib. Times: 22:47 06:12

GC Column: RTX-VMS Method File: 24AIR_0421.M

COMPOUND	RRF	RRF1	RRF MIN	%D	% D LIMITS
Dichlorodifluoromethane	2.218	2.653		-19.6	30
Vinyl Chloride	1.058	1.066		-0.8	30
Acetone	2.612	3.309		-26.7	30
Trichlorofluoromethane	2.617	3.173		-21.2	30
1,1-Dichloroethene	1.820	1.998		-9.8	30
Methylene Chloride	1.777	2.036		-14.6	30
Trichlorotrifluoroethane	1.821	2.015		-10.7	30
Cis-1,2-Dichloroethene	1.774	1.972		-11.2	30
1,1,1-Trichloroethane	2.282	2.531		-10.9	30
Benzene	2.379	2.337		1.8	30
Carbon Tetrachloride	2.481	2.816		-13.5	30
Trichloroethene	0.410	0.415		-1.2	30
Toluene	0.926	0.888		4.1	30
Tetrachloroethene	0.574	0.590		-2.8	30
Chlorobenzene	1.603	1.570		2.1	30
Ethylbenzene	2.474	2.450		1.0	30
m,p-Xylene	1.892	1.501		20.7	30
o-Xylene	2.048	1.990		2.8	30
1,3-Dichlorobenzene	1.485	1.466		1.3	30
1,4-Dichlorobenzene	1.451	1.442		0.6	30
1,2-Dichlorobenzene	1.158	1.163		-0.4	30
1,2,4-Trichlorobenzene qfi	1.000	1.23		-23.0 #	20
Vinyl Chloride(sim)	1.156	1.124		2.8	30
Benzene(sim)	2.756	2.470		10.4	30
Carbon Tetrachloride(sim)	2.498	2.684		-7.4	30
1,1-Dichloroethene(sim)	2.046	2.099		-2.6	30
Cis-1,2-Dichloroethene(sim)	1.926	2.004		-4.0	30
Trichloroethene(sim)	0.450	0.442		1.8	30
Tetrachloroethene(sim)	0.615	0.601		2.3	30
Ethylbenzene(sim)	2.910	2.730		6.2	30
m,p-Xylene(sim)	1.960	1.877		4.2	30
1,4-Dichlorobenzene(sim)	1.697	1.610		5.1	30
1,2,4-Trichlorobenzene(sim) qfi	1.000	1.41		-41.0 #	20
% Bromofluorobenzene	1.403	1.410		-0.5	30

(*) Recommended RRF not met (+) %D exceeds criteria % (#) %D exceeds (maximum) criteria

%D: 20% of target compounds are allowed to be above criteria %, but must be less than the (maximum) %D

(#) Maximum %D not met.

Evaluate Continuing Calibration Report

Data Path : H:\AIR2021\CHEM24\05MAY\07\
 Data File : 0507_03.D
 Acq On : 7 May 2021 2:56 pm
 Operator : Keith
 Client ID : BFB TUNE - CCAL 1
 Lab ID : 1ppb cc - 1ppb cc
 ALS Vial : 2 Sample Multiplier: 1

Quant Time: May 07 16:26:12 2021
 Quant Method : H:\AIR2021\CHEM24\METHODS\24AIR_0421.M
 Quant Title : VOA Standards for 5 point calibration
 QLast Update : Thu Apr 22 08:23:13 2021
 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	77
3	Dichlorodifluoromethane	2.218	2.653	-19.6	
6	Vinyl Chloride	1.058	1.066	-0.8	
12	Acetone	2.612	3.309	-26.7	
13	Trichlorofluoromethane	2.617	3.173	-21.2	
16	1,1-Dichloroethene	1.820	1.998	-9.8	
17	Methylene Chloride	1.777	2.036	-14.6	
21	Trichlorotrifluoroethane	1.821	2.015	-10.7	
26	Cis-1,2-Dichloroethene	1.774	1.972	-11.2	
32	1,1,1-Trichloroethane	2.282	2.531	-10.9	
33	Benzene	2.379	2.337	1.8	
34	Carbon Tetrachloride	2.481	2.816	-13.5	
36 Int	1,4-Difluorobenzene	1.000	1.000	0.0	75
39	Trichloroethene	0.410	0.415	-1.2	
48	Toluene	0.926	0.888	4.1	
52	Tetrachloroethene	0.574	0.590	-2.8	
53 Int	Chlorobenzene-d5	1.000	1.000	0.0	78
55	Chlorobenzene	1.603	1.570	2.1	
56	Ethylbenzene	2.474	2.450	1.0	
57	m,p-Xylene	1.892	1.501	20.7	
61	o-Xylene	2.048	1.990	2.8	
62 Surr	% Bromofluorobenzene	1.403	1.410	-0.5	
71	1,3-Dichlorobenzene	1.485	1.466	1.3	
72	1,4-Dichlorobenzene	1.451	1.442	0.6	
75	1,2-Dichlorobenzene	1.158	1.163	-0.4	
77 qf	1,2,4-Trichlorobenzene	1.000	1.235	-23.5	
80 int	Bromochloromethane(sim)	1.000	1.000	0.0	77
82	Vinyl Chloride(sim)	1.156	1.124	2.8	
86	Benzene(sim)	2.756	2.470	10.4	
87	Carbon Tetrachloride(sim)	2.498	2.684	-7.4	
88	1,1-Dichloroethene(sim)	2.046	2.099	-2.6	
92	Cis-1,2-Dichloroethene(sim)	1.926	2.004	-4.0	
95 int	1,4-Difluorobenzene(sim)	1.000	1.000	0.0	75
98	Trichloroethene(sim)	0.450	0.442	1.8	
104	Tetrachloroethene(sim)	0.615	0.601	2.3	
105 int	Chlorobenzene-d5(sim)	1.000	1.000	0.0	78
108	Ethylbenzene(sim)	2.910	2.730	6.2	
109	m,p-Xylene(sim)	1.960	1.877	4.2	
116	1,4-Dichlorobenzene(sim)	1.697	1.610	5.1	
121 qf	1,2,4-Trichlorobenzene(sim)	1.000	1.408	-40.8	

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

Data Path : H:\AIR2021\CHEM24\05MAY\07\
 Data File : 0507_03.D
 Acq On : 7 May 2021 2:56 pm
 Operator : Keith
 Client ID : BFB TUNE - CCAL 1
 Lab ID : 1ppb cc - 1ppb cc
 ALS Vial : 2 Sample Multiplier: 1

Quant Time: May 07 16:26:12 2021
 Quant Method : H:\AIR2021\CHEM24\METHODS\24AIR_0421.M
 Quant Title : VOA Standards for 5 point calibration
 QLast Update : Thu Apr 22 08:23:13 2021
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	5.274	130	134080	10.000	ng	-0.02
36) 1,4-Difluorobenzene	7.220	114	434324	10.000	ng	-0.02
53) Chlorobenzene-d5	10.818	82	228458	10.000	ng	-0.01
80) Bromochloromethane(sim)	5.277	130	140703	10.000	ng	#-0.01
95) 1,4-Difluorobenzene(sim)	7.220	114	434324	10.000	ng	-0.02
105) Chlorobenzene-d5(sim)	10.818	82	228458	10.000	ng	-0.01

System Monitoring Compounds

62) % Bromofluorobenzene	12.291	95	322161	10.055	ppbv	-0.01
Spiked Amount	10.000	Range	70 - 130	Recovery	=	100.50%

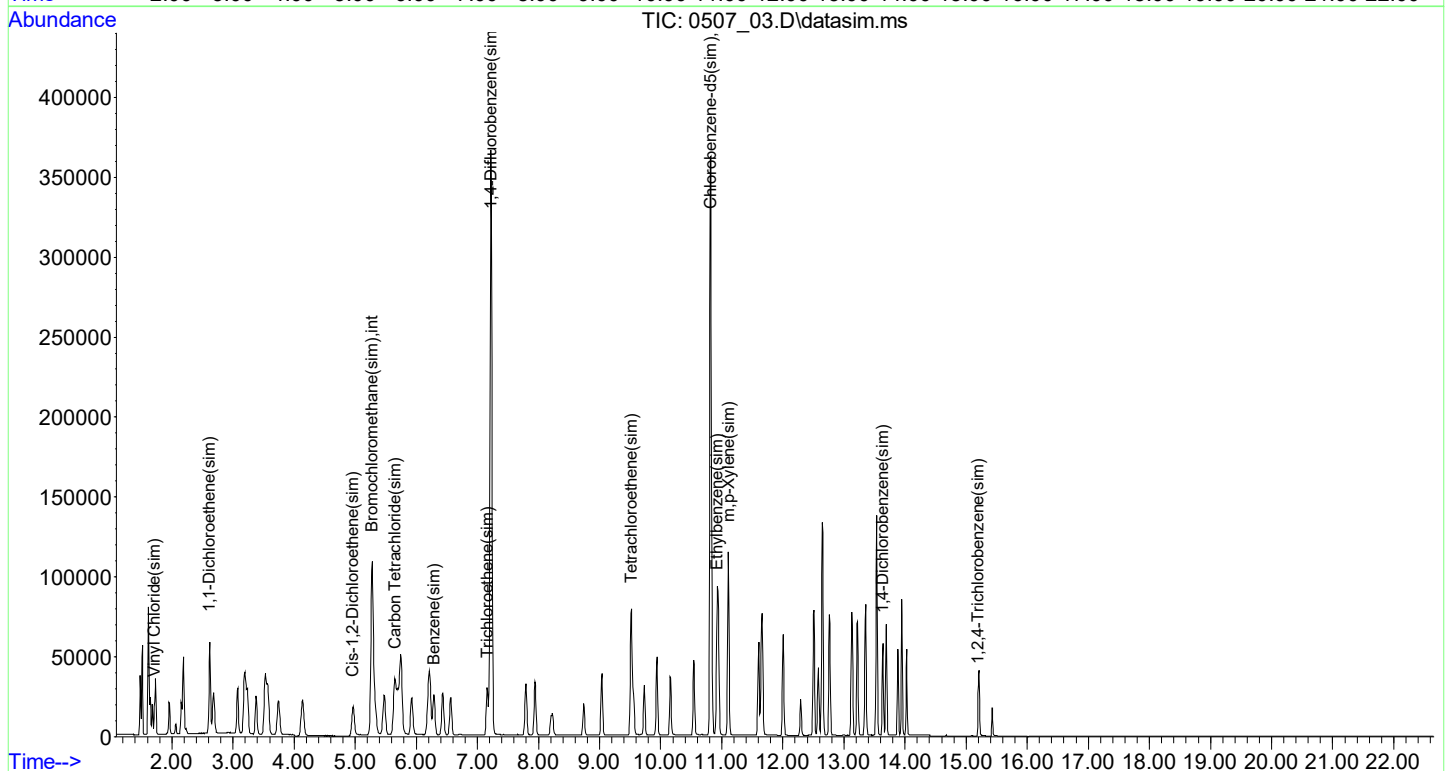
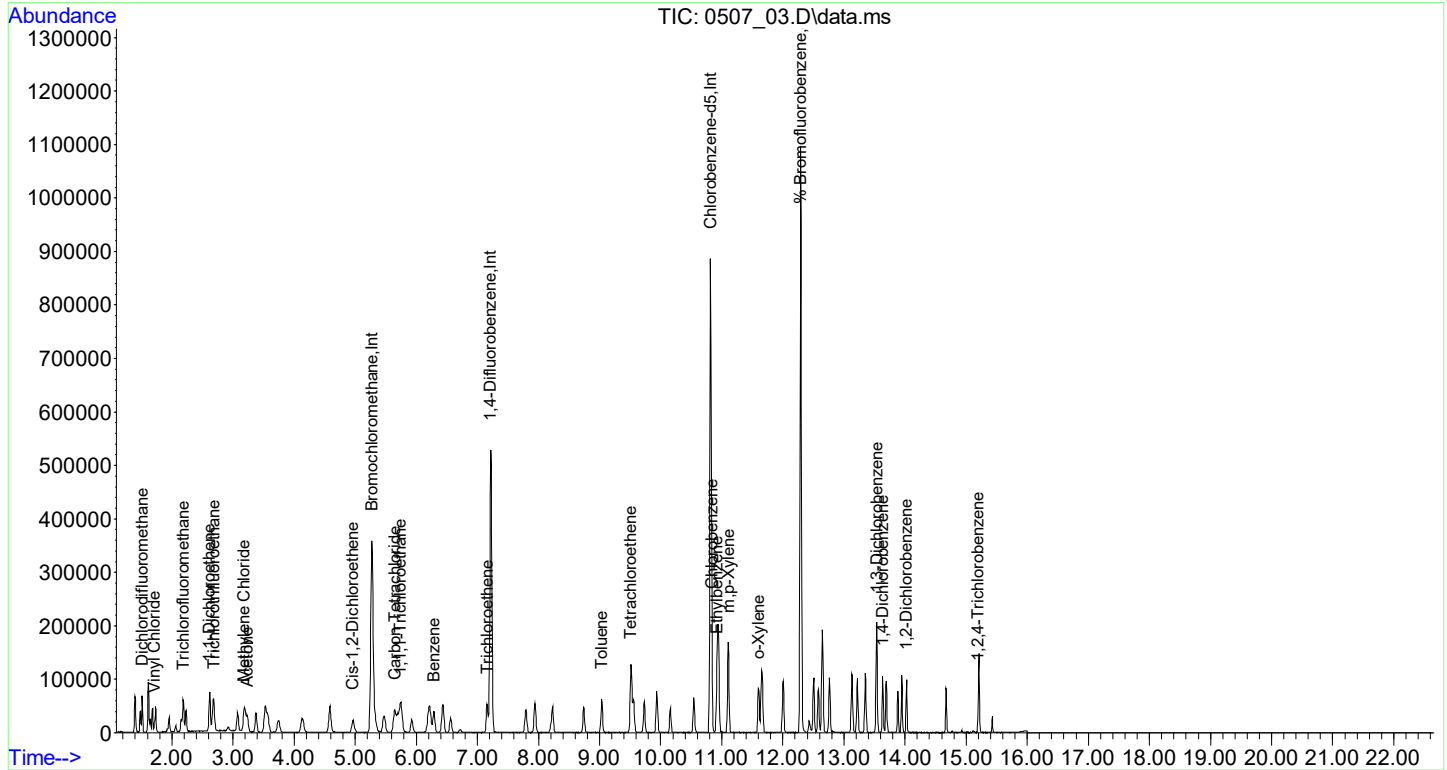
Target Compounds

						Qvalue
3) Dichlorodifluoromethane	1.513	85	35568	1.196	ppbv	97
6) Vinyl Chloride	1.711	62	14292	1.007	ppbv	97
12) Acetone	3.238	43	44370	1.267	ppbv	98
13) Trichlorofluoromethane	2.184	101	42546	1.213	ppbv	96
16) 1,1-Dichloroethene	2.615	61	26795	1.098	ppbv#	93
17) Methylene Chloride	3.176	49	27300	1.146	ppbv	88
21) Trichlorotrifluoroethane	2.684	101	27020	1.107	ppbv	96
26) Cis-1,2-Dichloroethene	4.962	61	26435	1.112	ppbv	99
32) 1,1,1-Trichloroethane	5.735	97	33937	1.109	ppbv	97
33) Benzene	6.288	78	31341	0.982	ppbv	98
34) Carbon Tetrachloride	5.649	117	37758	1.135	ppbv	99
39) Trichloroethene	7.158	130	18014	1.013	ppbv	93
48) Toluene	9.034	91	38580	0.959	ppbv#	97
52) Tetrachloroethene	9.510	166	25624	1.027	ppbv	97
55) Chlorobenzene	10.838	112	35868	0.980	ppbv#	68
56) Ethylbenzene	10.921	91	55972	0.990	ppbv	89
57) m,p-Xylene	11.106	91	85751	1.984	ppbv	99
61) o-Xylene	11.600	91	45453	0.972	ppbv	96
71) 1,3-Dichlorobenzene	13.537	146	33484	0.987	ppbv	94
72) 1,4-Dichlorobenzene	13.635	146	32938	0.994	ppbv	94
75) 1,2-Dichlorobenzene	14.024	146	26559	1.004	ppbv	97
77) 1,2,4-Trichlorobenzene	15.198	180	10152	1.235	ppbv#	79
82] Vinyl Chloride(sim)	1.714	62	15815	0.972	ppbv	97
86] Benzene(sim)	6.291	78	34755	0.896	ppbv	95
87] Carbon Tetrachloride(sim)	5.649	117	37758	1.074	ppbv#	97
88] 1,1-Dichloroethene(sim)	2.618	61	29538	1.026	ppbv	96
92] Cis-1,2-Dichloroethene...	4.965	61	28198	1.041	ppbv	94
98] Trichloroethene(sim)	7.161	130	19216	0.983	ppbv	99
104] Tetrachloroethene(sim)	9.513	166	26104	0.978	ppbv	98
108] Ethylbenzene(sim)	10.923	91	62378	0.938	ppb	99
109] m,p-Xylene(sim)	11.106	91	85751	1.915	ppbv	98
116] 1,4-Dichlorobenzene(sim)	13.638	146	36771	0.949	ppbv	98
121] 1,2,4-Trichlorobenzene...	15.198	180	10002	1.408	ppbv#	80

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

Data Path : H:\AIR2021\CHEM24\05MAY\07\
Data File : 0507_03.D
Acq On : 7 May 2021 2:56 pm
Operator : Keith
Client ID : BFB TUNE - CCAL 1
Lab ID : 1ppb cc - 1ppb cc
ALS Vial : 2 Sample Multiplier: 1

Quant Time: May 07 16:26:12 2021
Quant Method : H:\AIR2021\CHEM24\METHODS\24AIR_0421.M
Quant Title : VOA Standards for 5 point calibration
QLast Update : Thu Apr 22 08:23:13 2021
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.: GCI26486

Instrument: CHEM24 Calibration Date: 05/10/21 Time: 07:32

Lab File Id: 0510_02.D Init. Calib. Date(s): 04/21/21 04/22/21

Heated Purge (Y/N): Y Init. Calib. Times: 22:47 06:12

GC Column: RTX-VMS Method File: 24AIR_0421.M

COMPOUND	RRF	RRF1	RRF MIN	%D	% D LIMITS
Dichlorodifluoromethane	2.218	2.478		-11.7	30
Vinyl Chloride	1.058	1.118		-5.7	30
Acetone	2.612	2.870		-9.9	30
Trichlorofluoromethane	2.617	2.764		-5.6	30
1,1-Dichloroethene	1.820	1.990		-9.3	30
Methylene Chloride	1.777	1.673		5.9	30
Trichlorotrifluoroethane	1.821	1.866		-2.5	30
Cis-1,2-Dichloroethene	1.774	1.895		-6.8	30
1,1,1-Trichloroethane	2.282	2.371		-3.9	30
Benzene	2.379	2.340		1.6	30
Carbon Tetrachloride	2.481	2.622		-5.7	30
Trichloroethene	0.410	0.406		1.0	30
Toluene	0.926	0.923		0.3	30
Tetrachloroethene	0.574	0.579		-0.9	30
Chlorobenzene	1.603	1.594		0.6	30
Ethylbenzene	2.474	2.493		-0.8	30
m,p-Xylene	1.892	1.544		18.4	30
o-Xylene	2.048	1.978		3.4	30
1,3-Dichlorobenzene	1.485	1.436		3.3	30
1,4-Dichlorobenzene	1.451	1.346		7.2	30
1,2-Dichlorobenzene	1.158	1.059		8.5	30
1,2,4-Trichlorobenzene qfi	1.000	0.58		42.0 #	20
Vinyl Chloride(sim)	1.156	1.163		-0.6	30
Benzene(sim)	2.756	2.471		10.3	30
Carbon Tetrachloride(sim)	2.498	2.562		-2.6	30
1,1-Dichloroethene(sim)	2.046	2.004		2.1	30
Cis-1,2-Dichloroethene(sim)	1.926	1.969		-2.2	30
Trichloroethene(sim)	0.450	0.443		1.6	30
Tetrachloroethene(sim)	0.615	0.602		2.1	30
Ethylbenzene(sim)	2.910	2.718		6.6	30
m,p-Xylene(sim)	1.960	1.930		1.5	30
1,4-Dichlorobenzene(sim)	1.697	1.482		12.7	30
1,2,4-Trichlorobenzene(sim) qfi	1.000	0.64		36.0 #	20
% Bromofluorobenzene	1.403	1.371		2.3	30

(*) Recommended RRF not met (+) %D exceeds criteria % (#) %D exceeds (maximum) criteria

%D: 20% of target compounds are allowed to be above criteria %, but must be less than the (maximum) %D

(#) Maximum %D not met.

Evaluate Continuing Calibration Report

Data Path : H:\AIR2021\CHEM24\05MAY\10\
 Data File : 0510_02.D
 Acq On : 10 May 2021 7:32 am
 Operator : Keith
 Client ID : BFB TUNE - CCAL 1
 Lab ID : 1ppb cc - 1ppb cc
 ALS Vial : 2 Sample Multiplier: 1

Quant Time: May 10 09:55:11 2021
 Quant Method : H:\AIR2021\CHEM24\METHODS\24AIR_0421.M
 Quant Title : VOA Standards for 5 point calibration
 QLast Update : Thu Apr 22 08:23:13 2021
 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	100
3	Dichlorodifluoromethane	2.218	2.478	-11.7	
6	Vinyl Chloride	1.058	1.118	-5.7	
12	Acetone	2.612	2.870	-9.9	
13	Trichlorofluoromethane	2.617	2.764	-5.6	
16	1,1-Dichloroethene	1.820	1.990	-9.3	
17	Methylene Chloride	1.777	1.673	5.9	
21	Trichlorotrifluoroethane	1.821	1.866	-2.5	
26	Cis-1,2-Dichloroethene	1.774	1.895	-6.8	
32	1,1,1-Trichloroethane	2.282	2.371	-3.9	
33	Benzene	2.379	2.340	1.6	
34	Carbon Tetrachloride	2.481	2.622	-5.7	
36 Int	1,4-Difluorobenzene	1.000	1.000	0.0	96
39	Trichloroethene	0.410	0.406	1.0	
48	Toluene	0.926	0.923	0.3	
52	Tetrachloroethene	0.574	0.579	-0.9	
53 Int	Chlorobenzene-d5	1.000	1.000	0.0	95
55	Chlorobenzene	1.603	1.594	0.6	
56	Ethylbenzene	2.474	2.493	-0.8	
57	m,p-Xylene	1.892	1.544	18.4	
61	o-Xylene	2.048	1.978	3.4	
62 Surr	% Bromofluorobenzene	1.403	1.371	2.3	
71	1,3-Dichlorobenzene	1.485	1.436	3.3	
72	1,4-Dichlorobenzene	1.451	1.346	7.2	
75	1,2-Dichlorobenzene	1.158	1.059	8.5	
77 qf	1,2,4-Trichlorobenzene	1.000	0.581	41.9#	
80 int	Bromochloromethane(sim)	1.000	1.000	0.0	99
82	Vinyl Chloride(sim)	1.156	1.163	-0.6	
86	Benzene(sim)	2.756	2.471	10.3	
87	Carbon Tetrachloride(sim)	2.498	2.562	-2.6	
88	1,1-Dichloroethene(sim)	2.046	2.004	2.1	
92	Cis-1,2-Dichloroethene(sim)	1.926	1.969	-2.2	
95 int	1,4-Difluorobenzene(sim)	1.000	1.000	0.0	96
98	Trichloroethene(sim)	0.450	0.443	1.6	
104	Tetrachloroethene(sim)	0.615	0.602	2.1	
105 int	Chlorobenzene-d5(sim)	1.000	1.000	0.0	95
108	Ethylbenzene(sim)	2.910	2.718	6.6	
109	m,p-Xylene(sim)	1.960	1.930	1.5	
116	1,4-Dichlorobenzene(sim)	1.697	1.482	12.7	
121 qf	1,2,4-Trichlorobenzene(sim)	1.000	0.642	35.8#	

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

Data Path : H:\AIR2021\CHEM24\05MAY\10\
 Data File : 0510_02.D
 Acq On : 10 May 2021 7:32 am
 Operator : Keith
 Client ID : BFB TUNE - CCAL 1
 Lab ID : 1ppb cc - 1ppb cc
 ALS Vial : 2 Sample Multiplier: 1

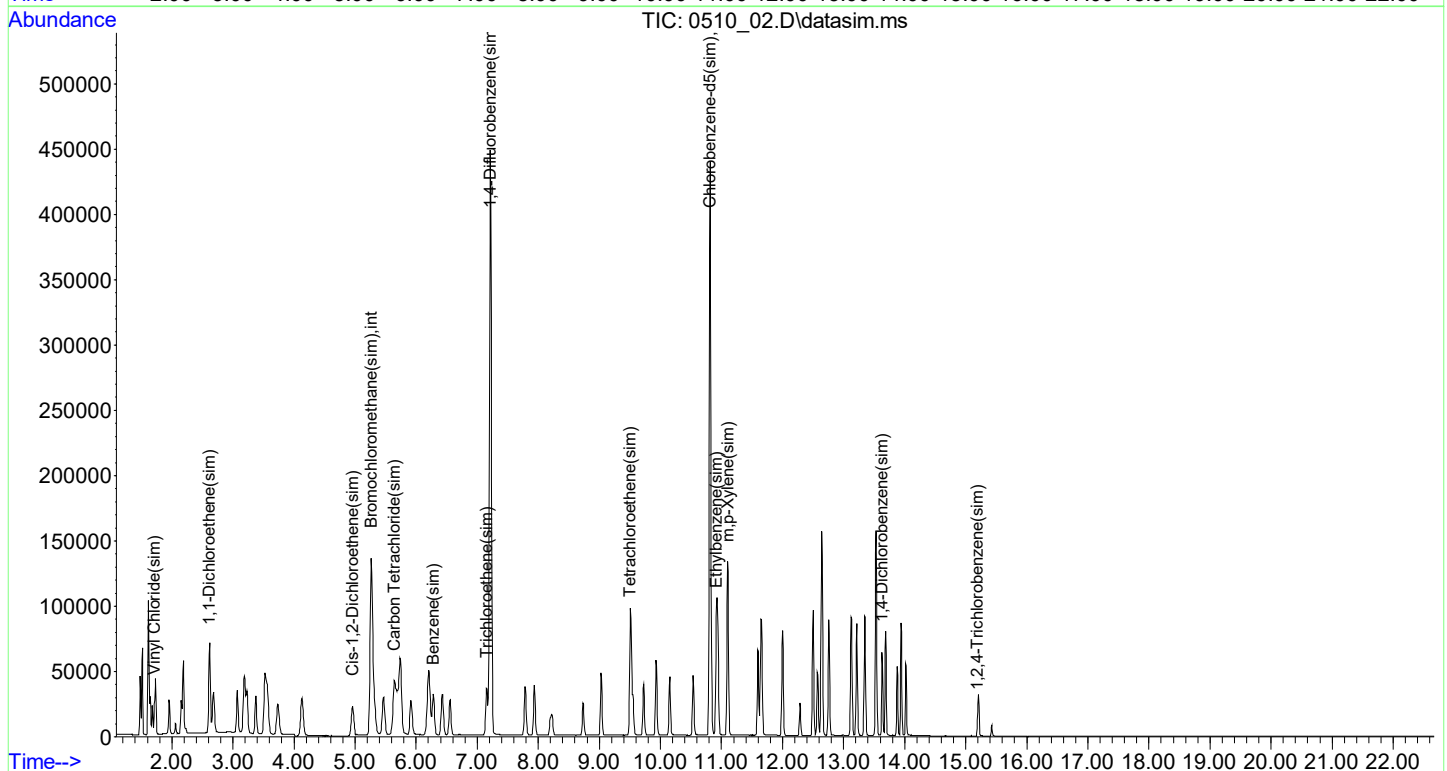
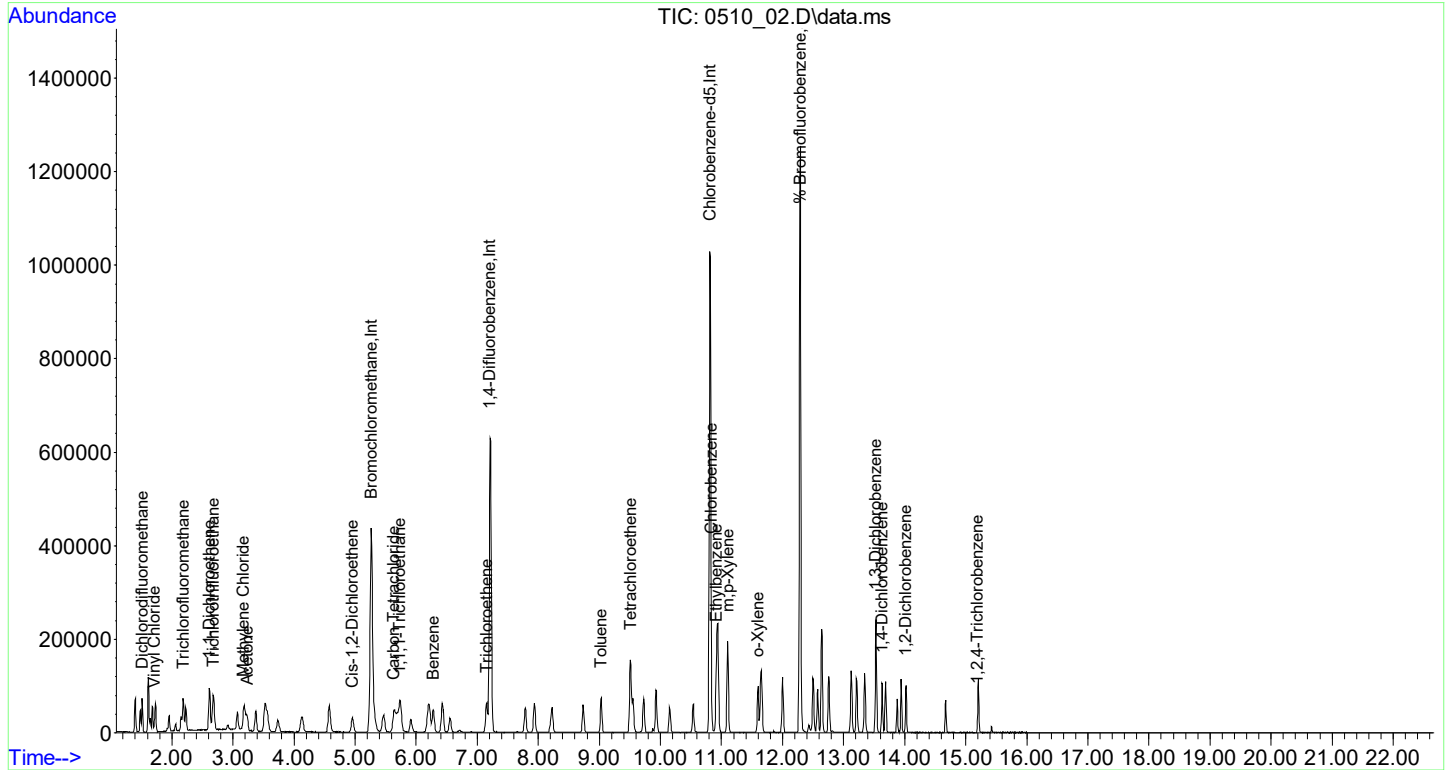
Quant Time: May 10 09:55:11 2021
 Quant Method : H:\AIR2021\CHEM24\METHODS\24AIR_0421.M
 Quant Title : VOA Standards for 5 point calibration
 QLast Update : Thu Apr 22 08:23:13 2021
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	5.265	130	175663	10.000	ng	-0.03
36) 1,4-Difluorobenzene	7.211	114	555074	10.000	ng	-0.03
53) Chlorobenzene-d5	10.809	82	278856	10.000	ng	-0.02
80) Bromochloromethane(sim)	5.268	130	179728	10.000	ng	#-0.02
95) 1,4-Difluorobenzene(sim)	7.211	114	555074	10.000	ng	-0.03
105) Chlorobenzene-d5(sim)	10.809	82	278856	10.000	ng	-0.02
System Monitoring Compounds						
62) % Bromofluorobenzene	12.290	95	382185	9.772	ppbv	-0.01
Spiked Amount	10.000	Range	70 - 130	Recovery	=	97.70%
Target Compounds						
						Qvalue
3) Dichlorodifluoromethane	1.513	85	43529	1.117	ppbv	99
6) Vinyl Chloride	1.718	62	19646	1.057	ppbv	96
12) Acetone	3.231	43	50407	1.098	ppbv	99
13) Trichlorofluoromethane	2.184	101	48558	1.056	ppbv	98
16) 1,1-Dichloroethene	2.615	61	34960	1.094	ppbv	95
17) Methylene Chloride	3.176	49	29385	0.941	ppbv	92
21) Trichlorotrifluoroethane	2.684	101	32781	1.025	ppbv	98
26) Cis-1,2-Dichloroethene	4.957	61	33291	1.069	ppbv	96
32) 1,1,1-Trichloroethane	5.726	97	41658	1.039	ppbv	97
33) Benzene	6.280	78	41103	0.983	ppbv	95
34) Carbon Tetrachloride	5.640	117	46055	1.057	ppbv	96
39) Trichloroethene	7.156	130	22537	0.991	ppbv	94
48) Toluene	9.032	91	51210	0.996	ppbv	96
52) Tetrachloroethene	9.508	166	32163	1.009	ppbv	94
55) Chlorobenzene	10.829	112	44454	0.995	ppbv#	67
56) Ethylbenzene	10.918	91	69522	1.008	ppbv	90
57) m,p-Xylene	11.104	91	107649	2.041	ppbv	99
61) o-Xylene	11.598	91	55155	0.966	ppbv	97
71) 1,3-Dichlorobenzene	13.529	146	40050	0.967	ppbv	94
72) 1,4-Dichlorobenzene	13.626	146	37531	0.928	ppbv	97
75) 1,2-Dichlorobenzene	14.022	146	29522	0.914	ppbv	98
77) 1,2,4-Trichlorobenzene	15.193	180	5734	0.581	ppbv#	81
82] Vinyl Chloride(sim)	1.714	62	20909	1.006	ppbv	99
86] Benzene(sim)	6.283	78	44413	0.897	ppbv	99
87] Carbon Tetrachloride(sim)	5.640	117	46055	1.026	ppbv#	93
88] 1,1-Dichloroethene(sim)	2.611	61	36020	0.980	ppbv	99
92] Cis-1,2-Dichloroethene...	4.960	61	35386	1.022	ppbv	96
98] Trichloroethene(sim)	7.152	130	24611	0.985	ppbv	100
104] Tetrachloroethene(sim)	9.504	166	33438	0.980	ppbv	99
108] Ethylbenzene(sim)	10.914	91	75799	0.934	ppb	99
109] m,p-Xylene(sim)	11.104	91	107649	1.970	ppbv	99
116] 1,4-Dichlorobenzene(sim)	13.629	146	41324	0.873	ppbv	98
121] 1,2,4-Trichlorobenzene...	15.193	180	5735	0.642	ppbv#	79

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

Data Path : H:\AIR2021\CHEM24\05MAY\10\
Data File : 0510_02.D
Acq On : 10 May 2021 7:32 am
Operator : Keith
Client ID : BFB TUNE - CCAL 1
Lab ID : 1ppb cc - 1ppb cc
ALS Vial : 2 Sample Multiplier: 1

Quant Time: May 10 09:55:11 2021
Quant Method : H:\AIR2021\CHEM24\METHODS\24AIR_0421.M
Quant Title : VOA Standards for 5 point calibration
QLast Update : Thu Apr 22 08:23:13 2021
Response via : Initial Calibration



Data Path : H:\AIR2021\CHEM24\05MAY\07\
 Data File : 0507_05.D
 Acq On : 7 May 2021 4:09 pm
 Operator : Keith
 Client ID : CI26489 LCS
 Lab ID : CI26489 LCS
 ALS Vial : 4 Sample Multiplier: 1

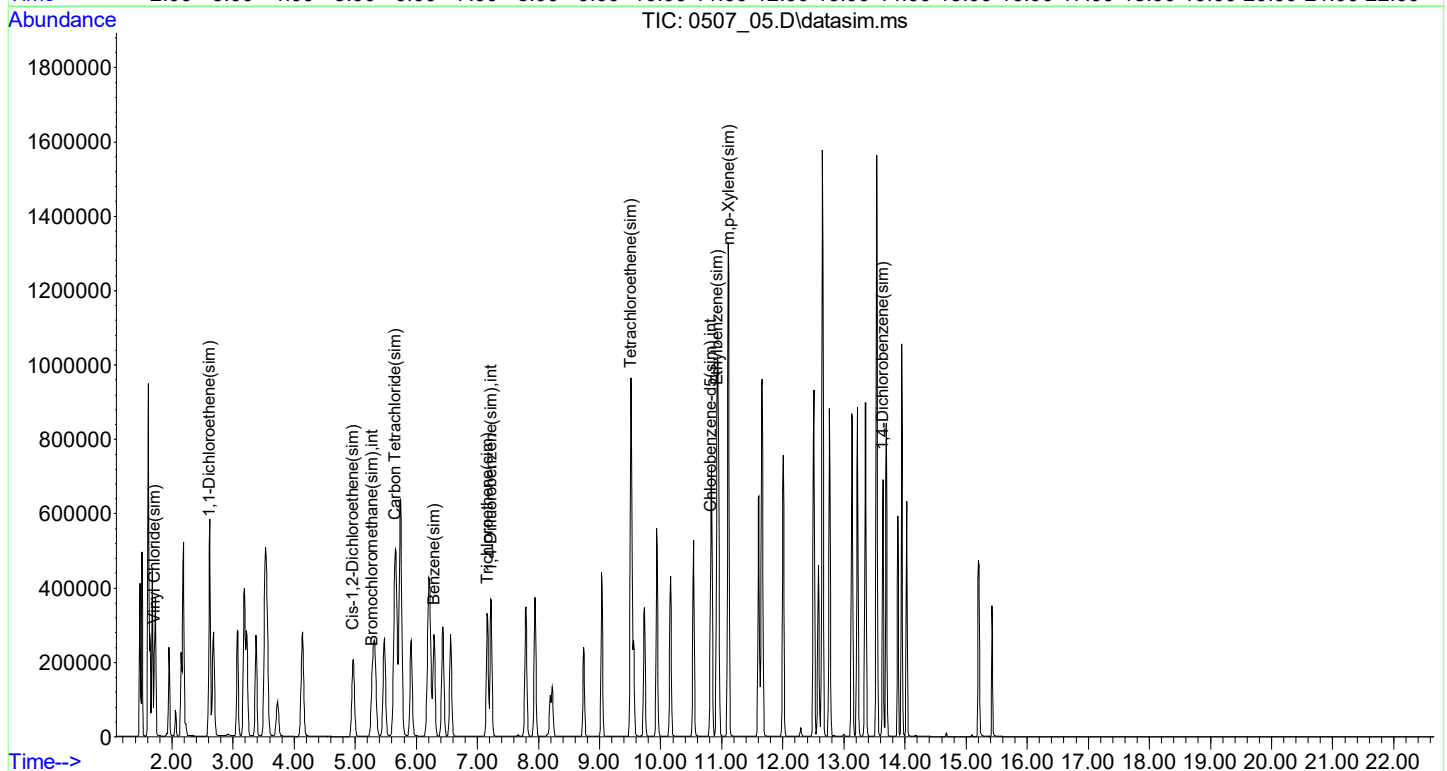
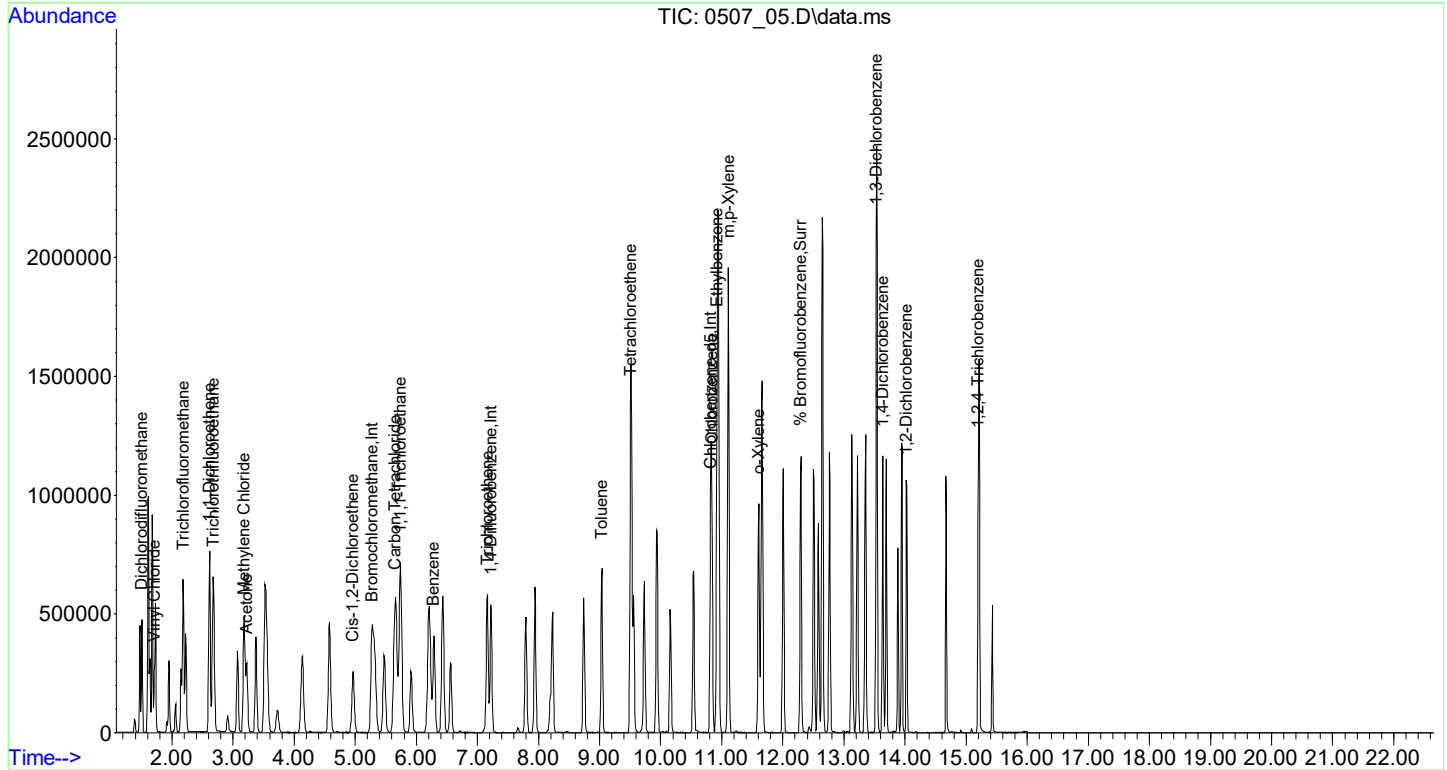
Quant Time: May 08 14:43:26 2021
 Quant Method : H:\AIR2021\CHEM24\METHODS\24AIR_0421.M
 Quant Title : VOA Standards for 5 point calibration
 QLast Update : Thu Apr 22 08:23:13 2021
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	5.272	130	142191	10.000	ng	-0.02
36) 1,4-Difluorobenzene	7.225	114	449496	10.000	ng	-0.01
53) Chlorobenzene-d5	10.815	82	239103	10.000	ng	-0.01
80) Bromochloromethane(sim)	5.275	130	147481	10.000	ng	#-0.01
95) 1,4-Difluorobenzene(sim)	7.225	114	449496	10.000	ng	-0.01
105) Chlorobenzene-d5(sim)	10.815	82	239103	10.000	ng	-0.01
System Monitoring Compounds						
62) % Bromofluorobenzene	12.296	95	351730	10.489	ppbv	0.00
Spiked Amount	10.000	Range	70 - 130	Recovery	= 104.90%	
Target Compounds						
					Qvalue	
3) Dichlorodifluoromethane	1.506	85	306168	9.708	ppbv	99
6) Vinyl Chloride	1.711	62	174710	11.611	ppbv	96
12) Acetone	3.224	43	424619	11.432	ppbv	99
13) Trichlorofluoromethane	2.184	101	462608	12.432	ppbv	96
16) 1,1-Dichloroethene	2.615	61	316041	12.214	ppbv#	92
17) Methylene Chloride	3.176	49	273691	10.831	ppbv	89
21) Trichlorotrifluoroethane	2.677	101	300842	11.620	ppbv	97
26) Cis-1,2-Dichloroethene	4.962	61	297854	11.811	ppbv	98
32) 1,1,1-Trichloroethane	5.740	97	377591	11.634	ppbv	96
33) Benzene	6.286	78	339935	10.048	ppbv	98
34) Carbon Tetrachloride	5.654	117	421924	11.960	ppbv	97
39) Trichloroethene	7.163	130	205819	11.180	ppbv	93
48) Toluene	9.039	91	448542	10.777	ppbv	97
52) Tetrachloroethene	9.508	166	283004	10.963	ppbv	96
55) Chlorobenzene	10.836	112	412174	10.757	ppbv#	58
56) Ethylbenzene	10.925	91	633248	10.704	ppbv	90
57) m,p-Xylene	11.110	91	1020556	22.564	ppbv	99
61) o-Xylene	11.604	91	529575	10.815	ppbv	98
71) 1,3-Dichlorobenzene	13.535	146	404413	11.390	ppbv	94
72) 1,4-Dichlorobenzene	13.639	146	390077	11.243	ppbv	97
75) 1,2-Dichlorobenzene	14.029	146	316710	11.436	ppbv	99
77) 1,2,4-Trichlorobenzene	15.199	180	159951	14.098	ppbv#	73
82] Vinyl Chloride(sim)	1.714	62	187060	10.968	ppbv	97
86] Benzene(sim)	6.289	78	380363	9.359	ppbv	97
87] Carbon Tetrachloride(sim)	5.654	117	421924	11.453	ppbv#	94
88] 1,1-Dichloroethene(sim)	2.611	61	337485	11.186	ppbv	96
92] Cis-1,2-Dichloroethene...	4.965	61	326865	11.508	ppbv	95
98] Trichloroethene(sim)	7.159	130	218634	10.805	ppbv	100
104] Tetrachloroethene(sim)	9.511	166	290627	10.517	ppbv	98
108] Ethylbenzene(sim)	10.921	91	712660	10.244	ppb	99
109] m,p-Xylene(sim)	11.110	91	1020956	21.785	ppbv	98
116] 1,4-Dichlorobenzene(sim)	13.636	146	443022	10.920	ppbv	98

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

Data Path : H:\AIR2021\CHEM24\05MAY\07\
Data File : 0507_05.D
Acq On : 7 May 2021 4:09 pm
Operator : Keith
Client ID : CI26489 LCS
Lab ID : CI26489 LCS
ALS Vial : 4 Sample Multiplier: 1

Quant Time: May 08 14:43:26 2021
Quant Method : H:\AIR2021\CHEM24\METHODS\24AIR_0421.M
Quant Title : VOA Standards for 5 point calibration
QLast Update : Thu Apr 22 08:23:13 2021
Response via : Initial Calibration



C126489 LCSD

Lab Sample ID: CI26489 LCS

Lab File ID: 0507 06.D

Instrument: CHEM24 Column: RTX-VMS Date Received: 05/07/21

Purge Volume	200	(cc)	Date Analyzed:	05/07/21

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:\AIR2021\CHEM24\05MAY\07\
 Data File : 0507_06.D
 Acq On : 7 May 2021 5:01 pm
 Operator : Keith
 Client ID : CI26489 LCSD
 Lab ID : CI26489 LCSD
 ALS Vial : 5 Sample Multiplier: 1

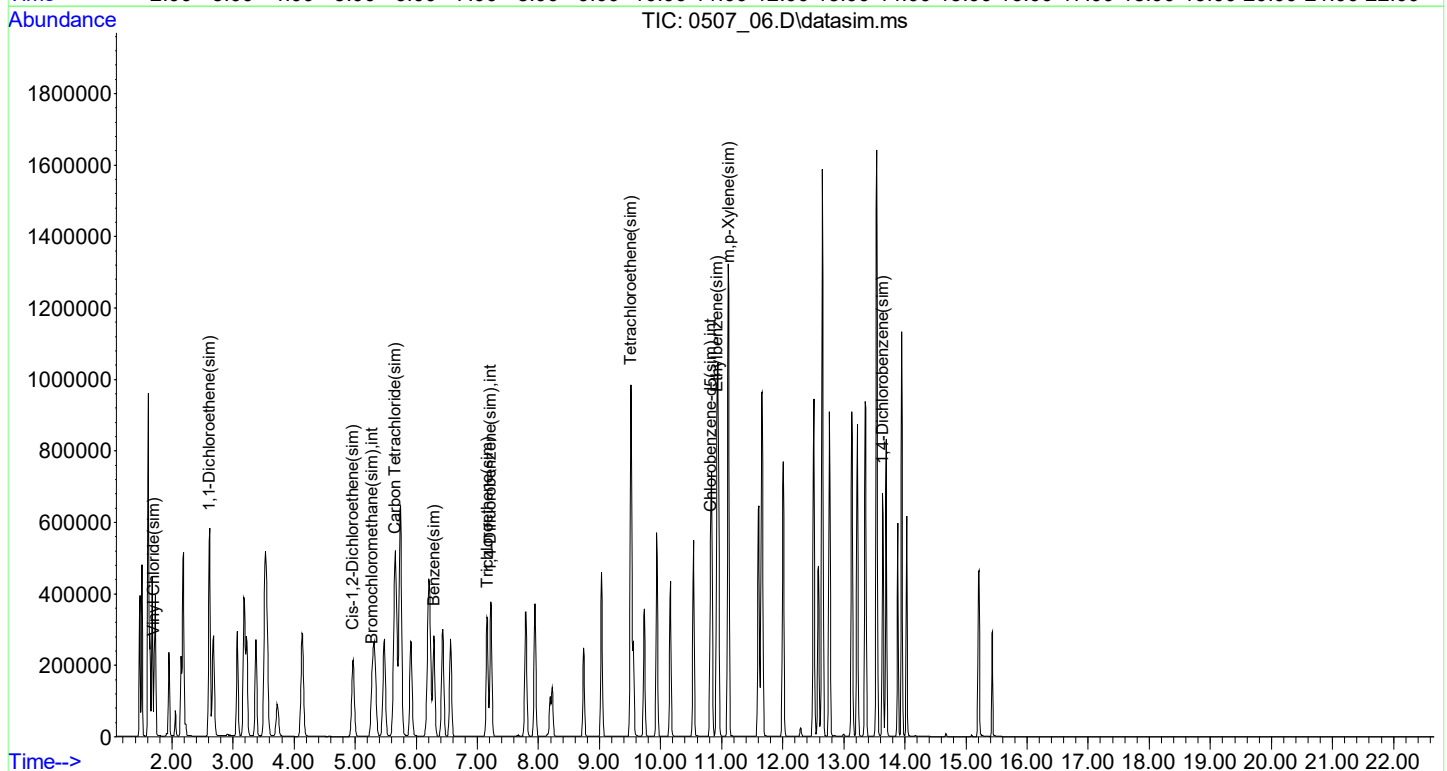
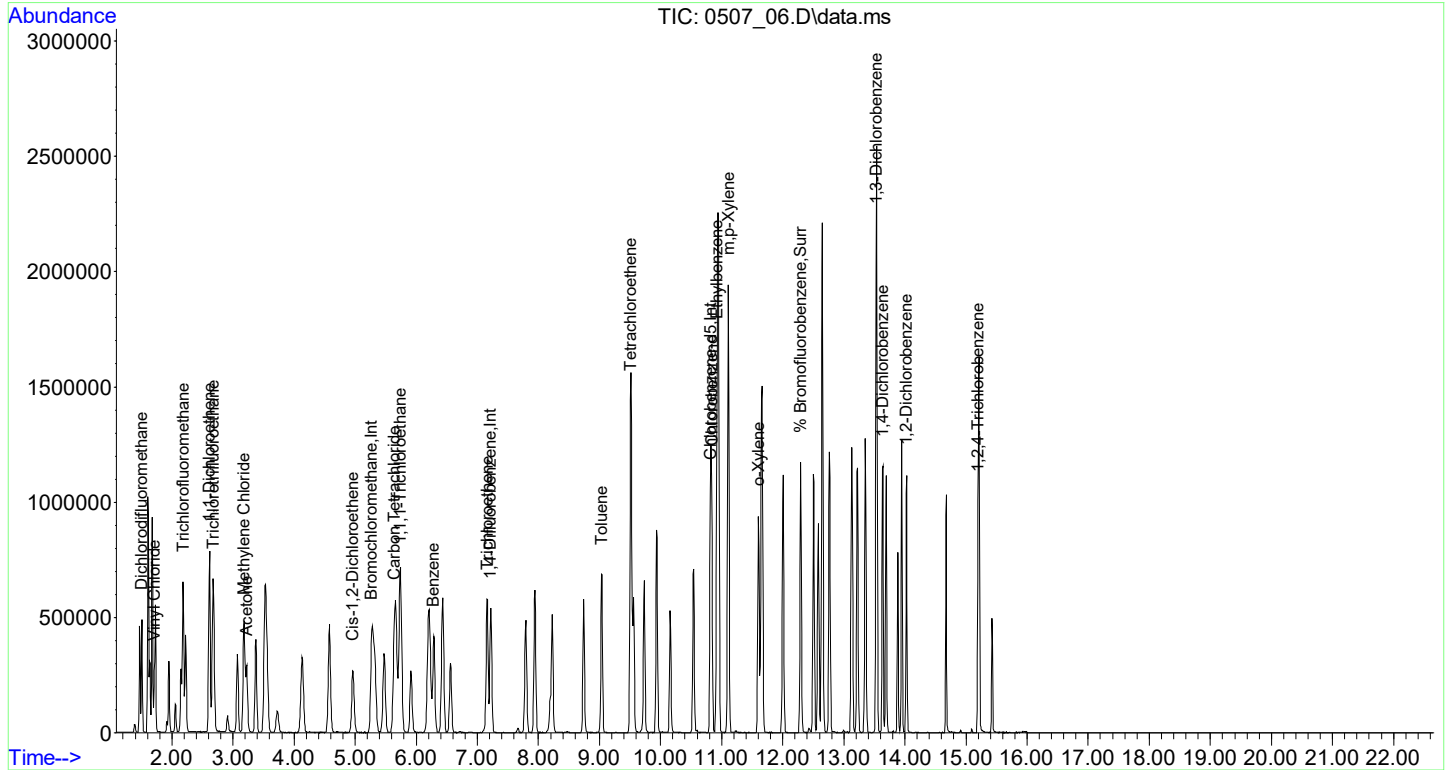
Quant Time: May 08 14:43:31 2021
 Quant Method : H:\AIR2021\CHEM24\METHODS\24AIR_0421.M
 Quant Title : VOA Standards for 5 point calibration
 QLast Update : Thu Apr 22 08:23:13 2021
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	5.272	130	145955	10.000	ng	-0.02
36) 1,4-Difluorobenzene	7.218	114	463804	10.000	ng	-0.02
53) Chlorobenzene-d5	10.815	82	245607	10.000	ng	-0.01
80) Bromochloromethane(sim)	5.275	130	150613	10.000	ng	#-0.01
95) 1,4-Difluorobenzene(sim)	7.218	114	463804	10.000	ng	-0.02
105) Chlorobenzene-d5(sim)	10.815	82	245607	10.000	ng	-0.01
System Monitoring Compounds						
62) % Bromofluorobenzene	12.296	95	356395	10.346	ppbv	0.00
Spiked Amount	10.000	Range	70 - 130	Recovery	=	103.50%
Target Compounds						
					Qvalue	
3) Dichlorodifluoromethane	1.506	85	296368	9.155	ppbv	99
6) Vinyl Chloride	1.711	62	176231	11.410	ppbv	96
12) Acetone	3.224	43	419138	10.993	ppbv	100
13) Trichlorofluoromethane	2.184	101	467987	12.252	ppbv	96
16) 1,1-Dichloroethene	2.615	61	323170	12.168	ppbv	92
17) Methylene Chloride	3.176	49	277450	10.696	ppbv	89
21) Trichlorotrifluoroethane	2.677	101	305877	11.510	ppbv	96
26) Cis-1,2-Dichloroethene	4.962	61	314310	12.142	ppbv	98
32) 1,1,1-Trichloroethane	5.733	97	382252	11.474	ppbv	96
33) Benzene	6.286	78	352848	10.161	ppbv	97
34) Carbon Tetrachloride	5.647	117	432219	11.936	ppbv	96
39) Trichloroethene	7.163	130	208838	10.994	ppbv	93
48) Toluene	9.039	91	458739	10.682	ppbv	98
52) Tetrachloroethene	9.508	166	285534	10.720	ppbv	97
55) Chlorobenzene	10.836	112	421762	10.716	ppbv#	58
56) Ethylbenzene	10.925	91	649496	10.687	ppbv	90
57) m,p-Xylene	11.110	91	1026959	22.104	ppbv	99
61) o-Xylene	11.604	91	532422	10.585	ppbv	98
71) 1,3-Dichlorobenzene	13.535	146	410953	11.268	ppbv	95
72) 1,4-Dichlorobenzene	13.639	146	396664	11.130	ppbv	96
75) 1,2-Dichlorobenzene	14.029	146	322372	11.332	ppbv	99
77) 1,2,4-Trichlorobenzene	15.197	180	147623	12.947	ppbv#	76
82] Vinyl Chloride(sim)	1.707	62	190040	10.911	ppbv	98
86] Benzene(sim)	6.289	78	394084	9.495	ppbv	97
87] Carbon Tetrachloride(sim)	5.647	117	432219	11.489	ppbv#	94
88] 1,1-Dichloroethene(sim)	2.611	61	341065	11.069	ppbv	96
92] Cis-1,2-Dichloroethene...	4.965	61	336428	11.599	ppbv	95
98] Trichloroethene(sim)	7.159	130	223499	10.704	ppbv	99
104] Tetrachloroethene(sim)	9.511	166	298339	10.463	ppbv	98
108] Ethylbenzene(sim)	10.921	91	728061	10.188	ppb	99
109] m,p-Xylene(sim)	11.110	91	1026959	21.333	ppbv	99
116] 1,4-Dichlorobenzene(sim)	13.636	146	446179	10.706	ppbv	98

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

Data Path : H:\AIR2021\CHEM24\05MAY\07\
Data File : 0507_06.D
Acq On : 7 May 2021 5:01 pm
Operator : Keith
Client ID : CI26489 LCSD
Lab ID : CI26489 LCSD
ALS Vial : 5 Sample Multiplier: 1

Quant Time: May 08 14:43:31 2021
Quant Method : H:\AIR2021\CHEM24\METHODS\24AIR_0421.M
Quant Title : VOA Standards for 5 point calibration
QLast Update : Thu Apr 22 08:23:13 2021
Response via : Initial Calibration



Client: WALDENE-IPARK Lab: Phoenix Env. Labs

Lab Sample ID: C126489 BL

Lab File ID: 0507 08.D

Purge Volume	200	(cc)	Date Analyzed:	05/07/21

Matrix: AIR Dilution Factor: 1

CONCENTRATION UNITS: (ppbv or ug/m3) ppbv

FORM I AIR

Data Path : H:\AIR2021\CHEM24\05MAY\07\
 Data File : 0507_08.D
 Acq On : 7 May 2021 6:10 pm
 Operator : Keith
 Client ID : CI26489 BLANK
 Lab ID : CI26489 BLANK
 ALS Vial : 7 Sample Multiplier: 1

Quant Time: May 08 14:45:59 2021
 Quant Method : H:\AIR2021\CHEM24\METHODS\24AIR_0421.M
 Quant Title : VOA Standards for 5 point calibration
 QLast Update : Thu Apr 22 08:23:13 2021
 Response via : Initial Calibration

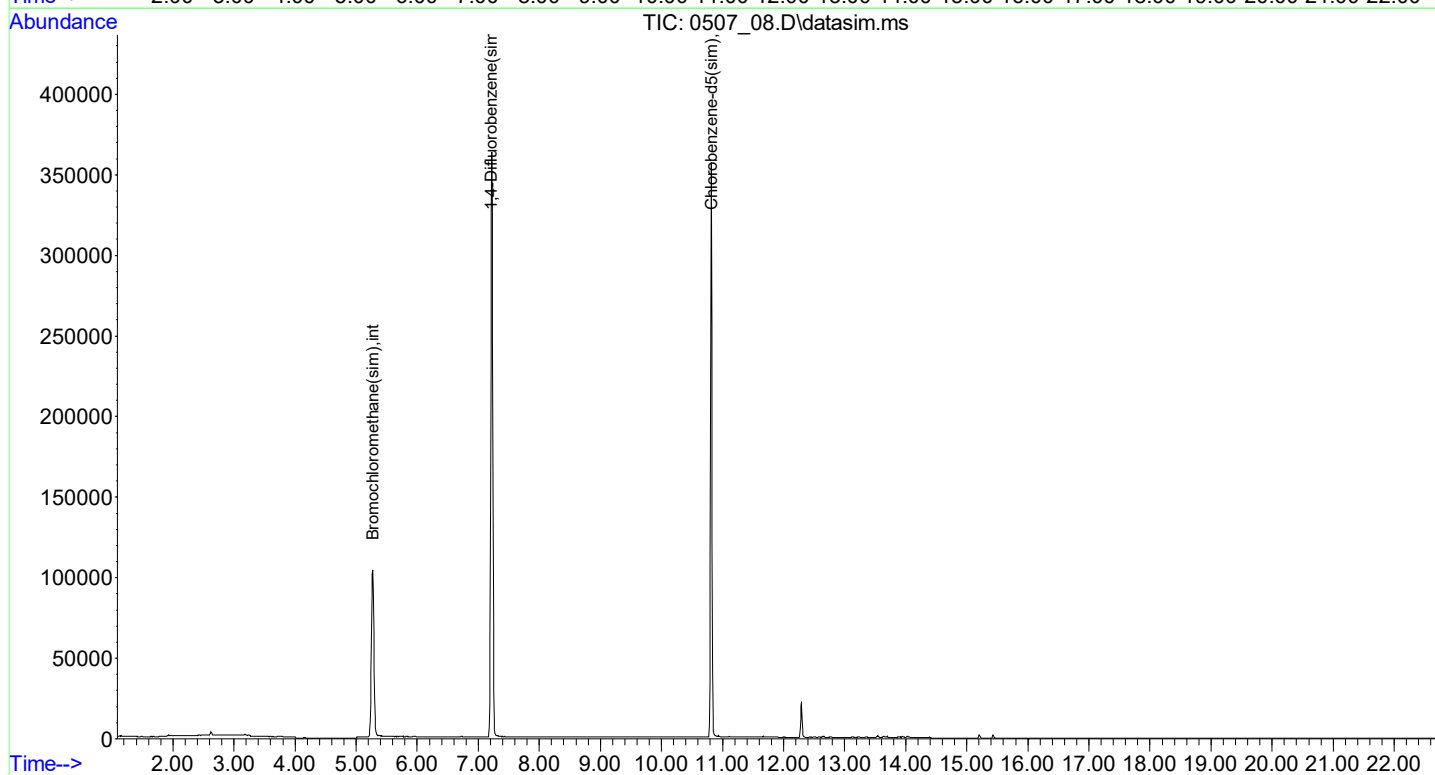
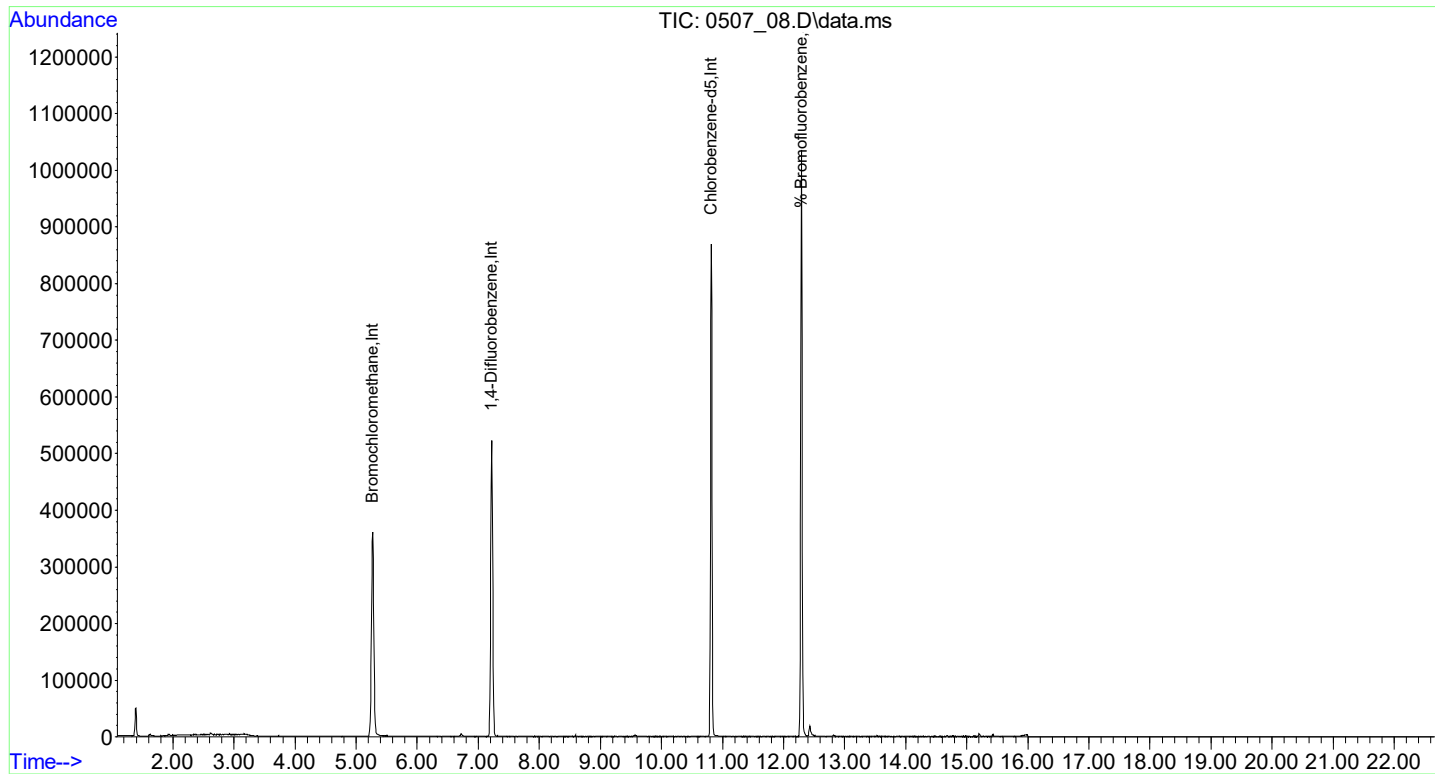
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	5.272	130	140345	10.000	ng	-0.02
36) 1,4-Difluorobenzene	7.218	114	448239	10.000	ng	-0.02
53) Chlorobenzene-d5	10.815	82	230926	10.000	ng	-0.01
80) Bromochloromethane(sim)	5.275	130	145897	10.000	ng	#-0.01
95) 1,4-Difluorobenzene(sim)	7.218	114	448239	10.000	ng	-0.02
105) Chlorobenzene-d5(sim)	10.815	82	230926	10.000	ng	-0.01
System Monitoring Compounds						
62) % Bromofluorobenzene	12.290	95	326916	10.094	ppbv	-0.01
Spiked Amount	10.000	Range	70 - 130	Recovery	=	100.90%

Target Compounds	Qvalue

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

Data Path : H:\AIR2021\CHEM24\05MAY\07\
Data File : 0507_08.D
Acq On : 7 May 2021 6:10 pm
Operator : Keith
Client ID : CI26489 BLANK
Lab ID : CI26489 BLANK
ALS Vial : 7 Sample Multiplier: 1

Quant Time: May 08 14:45:59 2021
Quant Method : H:\AIR2021\CHEM24\METHODS\24AIR_0421.M
Quant Title : VOA Standards for 5 point calibration
QLast Update : Thu Apr 22 08:23:13 2021
Response via : Initial Calibration



Client:	WALDENE-IPARK	Lab:	Phoenix Env. Labs
SDG No.:	GCI26486	Lab Sample ID:	CI26489 DUP
Canister:	489	Lab File ID:	0507_22.D
Instrument:	CHEM24	Column:	RTX-VMS
Purge Volume	200 (cc)	Date Received:	05/07/21
Matrix:	AIR	Date Analyzed:	05/08/21
		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:\AIR2021\CHEM24\05MAY\07\
 Data File : 0507_22.D
 Acq On : 8 May 2021 4:20 am
 Operator : Keith
 Client ID : SCIA-04 DUP
 Lab ID : CI26489 DUP
 ALS Vial : 21 Sample Multiplier: 1

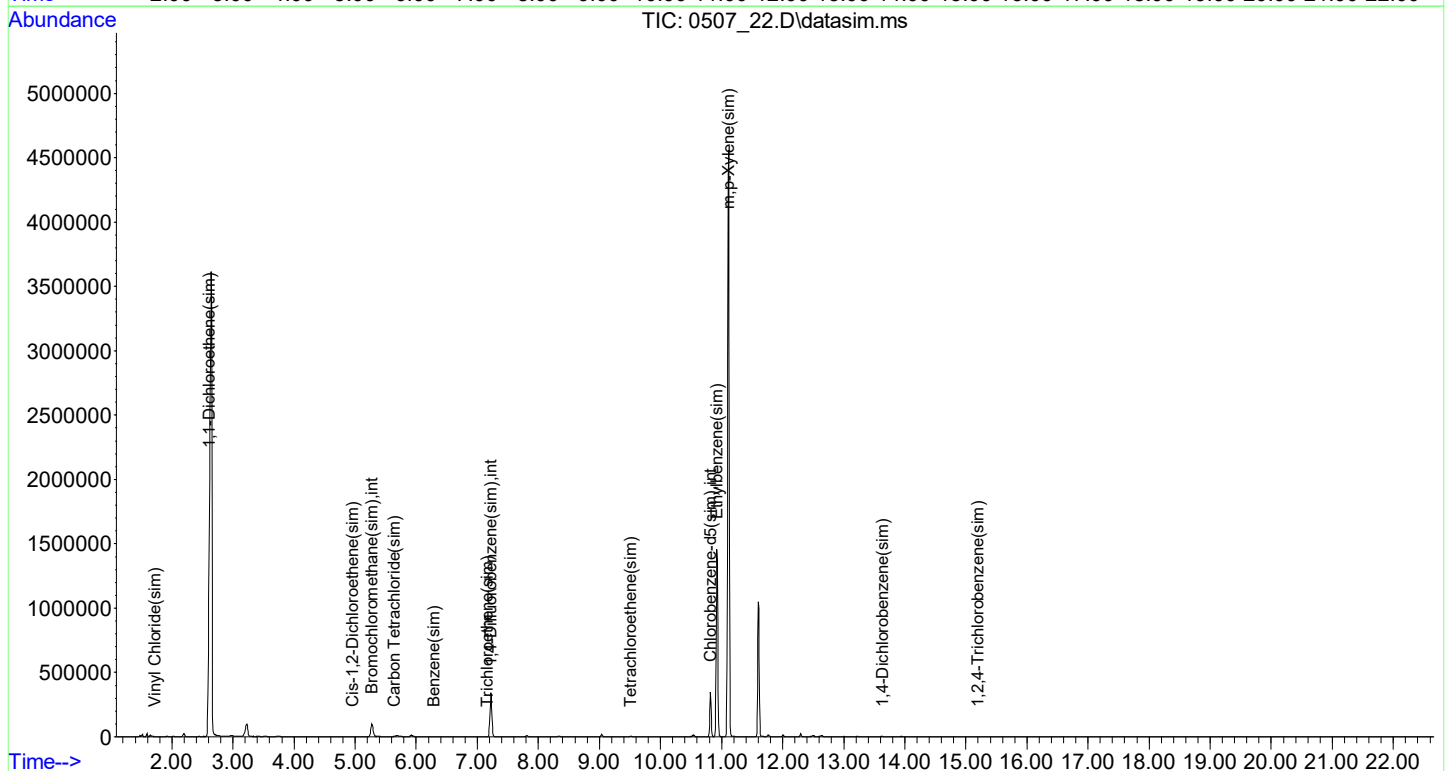
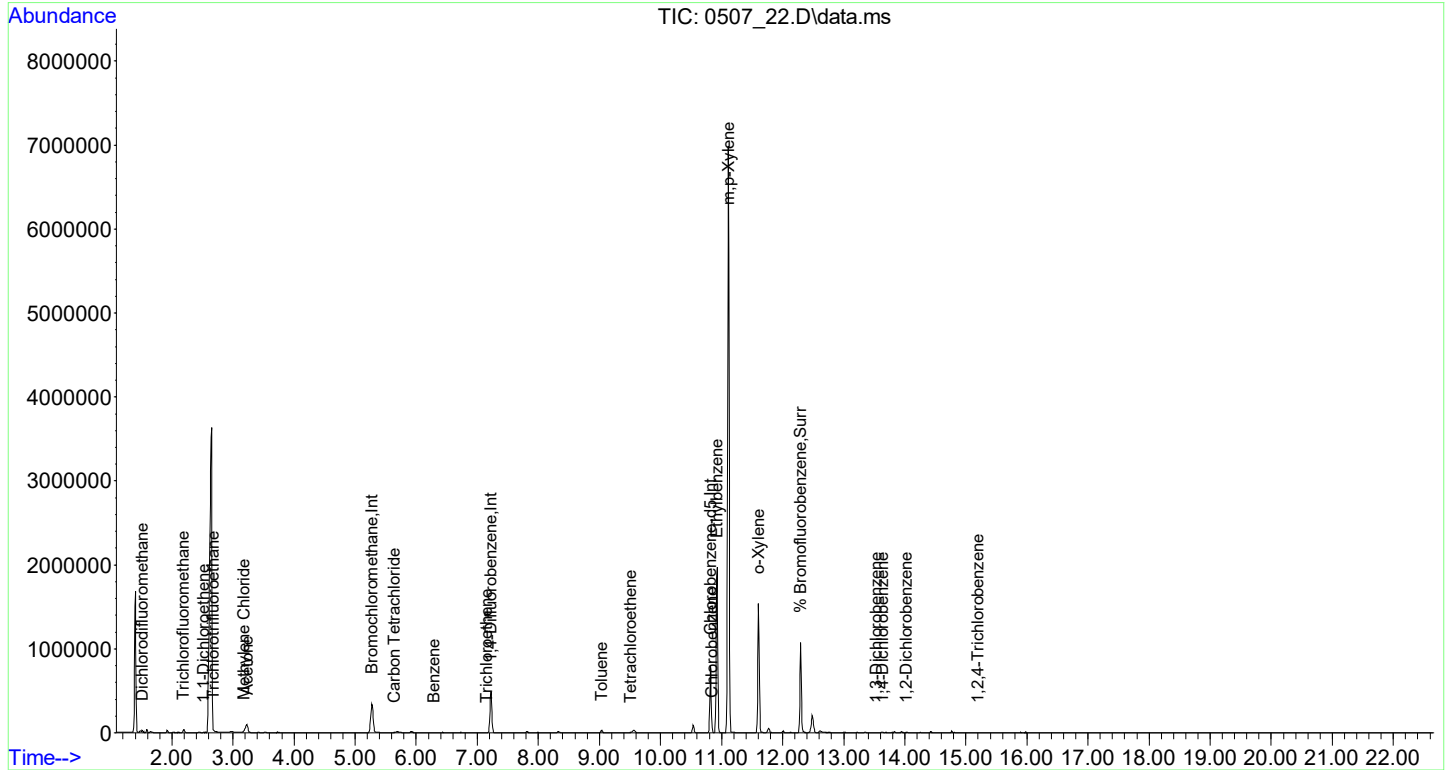
Quant Time: May 08 14:51:51 2021
 Quant Method : H:\AIR2021\CHEM24\METHODS\24AIR_0421.M
 Quant Title : VOA Standards for 5 point calibration
 QLast Update : Thu Apr 22 08:23:13 2021
 Response via : Initial Calibration

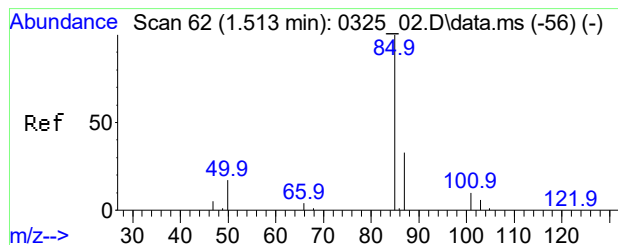
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	5.274	130	130340	10.000	ng	-0.02
36) 1,4-Difluorobenzene	7.226	114	412447	10.000	ng	-0.01
53) Chlorobenzene-d5	10.818	82	217552	10.000	ng	-0.01
80) Bromochloromethane(sim)	5.277	130	136347	10.000	ng	#-0.01
95) 1,4-Difluorobenzene(sim)	7.226	114	412447	10.000	ng	-0.01
105) Chlorobenzene-d5(sim)	10.818	82	217552	10.000	ng	-0.01
System Monitoring Compounds						
62) % Bromofluorobenzene	12.298	95	319295	10.465	ppbv	0.00
Spiked Amount	10.000	Range	70 - 130	Recovery	= 104.60%	
Target Compounds						
					Qvalue	
3) Dichlorodifluoromethane	1.512	85	11642	0.403	ppbv	99
12) Acetone	3.231	43	109001	3.201	ppbv	99
13) Trichlorofluoromethane	2.191	101	13619	0.399	ppbv	100
17) Methylene Chloride	3.183	49	14296	0.617	ppbv#	85
34) Carbon Tetrachloride	5.642	117	2700	0.083	ppbv	99
48) Toluene	9.041	91	17763	0.465	ppbv	98
52) Tetrachloroethene	9.510	166	1177	0.050	ppbv	85
56) Ethylbenzene	10.927	91	1320373	24.529	ppbv	89
57) m, p-Xylene	11.113	91	3646049	88.596	ppbv	98
61) o-Xylene	11.607	91	825882	18.537	ppbv	99
84] Trichlorofluoromethane...	2.187	101	14335	0.372	ppbv	99
86] Benzene(sim)	6.291	78	1808	0.048	ppbv	90
87] Carbon Tetrachloride(sim)	5.642	117	2554	0.075	ppbv#	39
108] Ethylbenzene(sim)	10.923	91	1477929	23.348	ppb	99
109] m, p-Xylene(sim)	11.113	91	3648244	85.559	ppbv	98
110] o-Xylene(sim)	11.603	91	926735	17.927	ppb	98

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

Data Path : H:\AIR2021\CHEM24\05MAY\07\
Data File : 0507_22.D
Acq On : 8 May 2021 4:20 am
Operator : Keith
Client ID : SCIA-04 DUP
Lab ID : CI26489 DUP
ALS Vial : 21 Sample Multiplier: 1

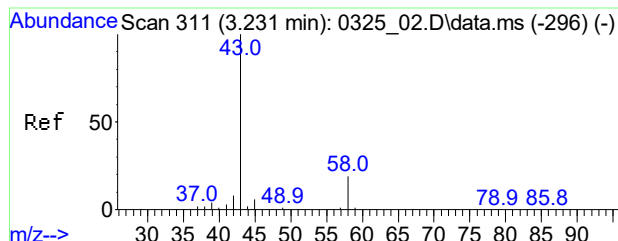
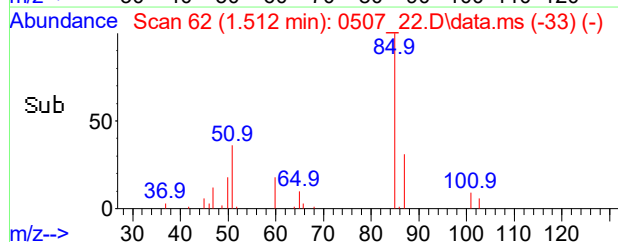
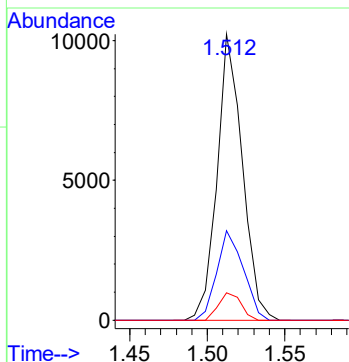
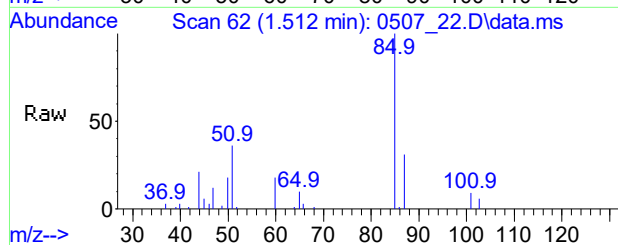
Quant Time: May 08 14:51:51 2021
Quant Method : H:\AIR2021\CHEM24\METHODS\24AIR_0421.M
Quant Title : VOA Standards for 5 point calibration
QLast Update : Thu Apr 22 08:23:13 2021
Response via : Initial Calibration





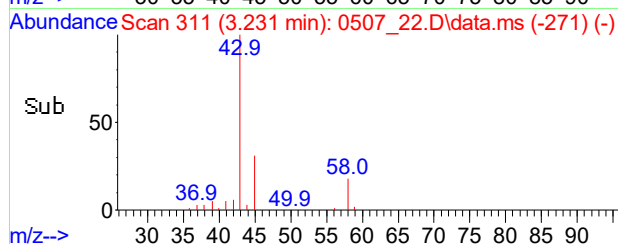
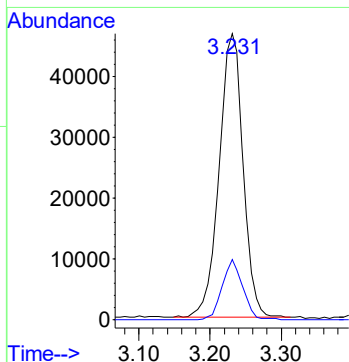
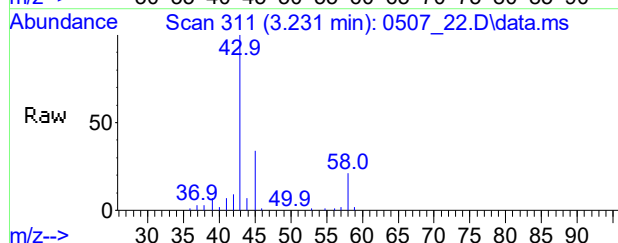
#3
Dichlorodifluoromethane
Conc: 8\$ 0.403 ppbv
RT: 1.512 min Scan# 62
Delta R.T. -0.001 min
Lab File: 0507_22.D
Acq: 8 May 2021 4:20 am

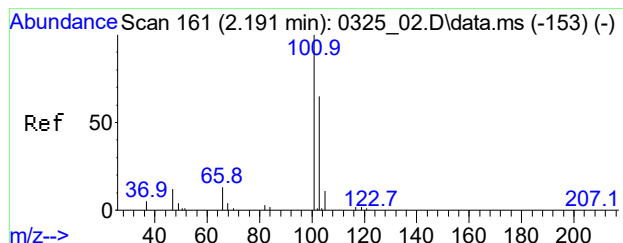
Tgt Ion: 85 Resp: 11642
Ion Ratio Lower Upper
85 100
87 32.7 25.8 38.8
101 8.5 7.3 10.9



#12
Acetone
Conc: 8\$ 3.201 ppbv
RT: 3.231 min Scan# 311
Delta R.T. -0.027 min
Lab File: 0507_22.D
Acq: 8 May 2021 4:20 am

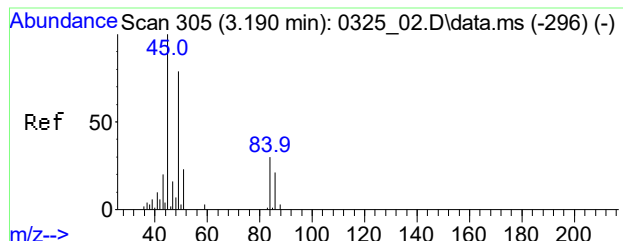
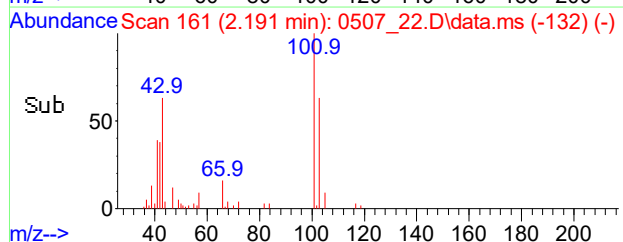
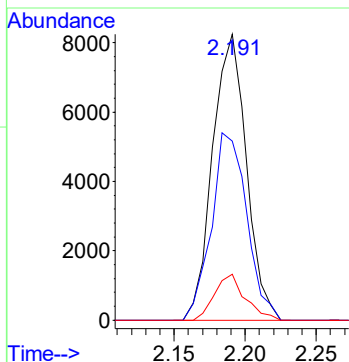
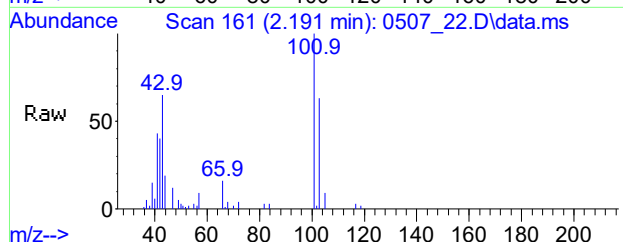
Tgt Ion: 43 Resp: 109001
Ion Ratio Lower Upper
43 100
58 18.1 15.0 22.4





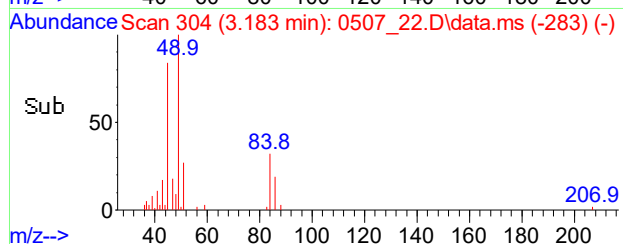
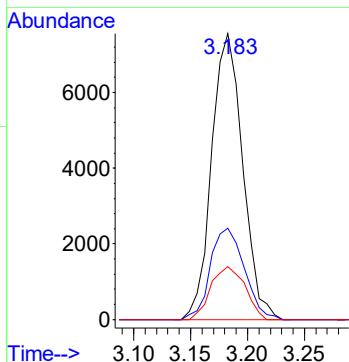
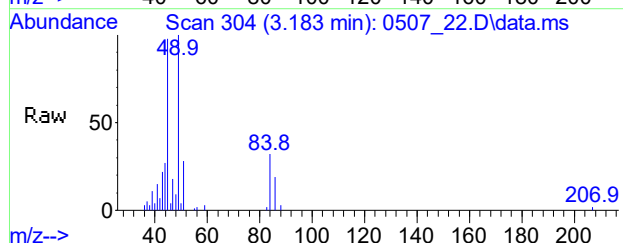
#13
Trichlorofluoromethane
Conc: 8\$ 0.399 ppbv
RT: 2.191 min Scan# 161
Delta R.T. -0.000 min
Lab File: 0507_22.D
Acq: 8 May 2021 4:20 am

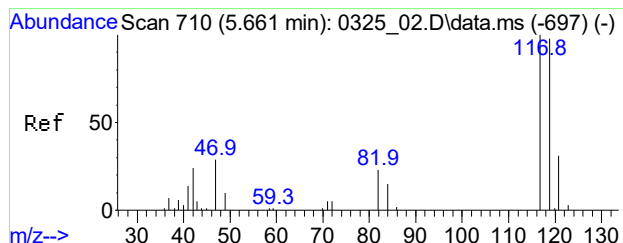
Tgt Ion: 101 Resp: 13619
Ion Ratio Lower Upper
101 100
103 68.4 54.6 82.0
66 14.5 12.2 18.4



#17
Methylene Chloride
Conc: 8\$ 0.617 ppbv
RT: 3.183 min Scan# 304
Delta R.T. -0.007 min
Lab File: 0507_22.D
Acq: 8 May 2021 4:20 am

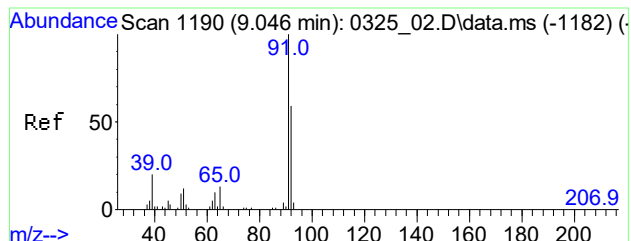
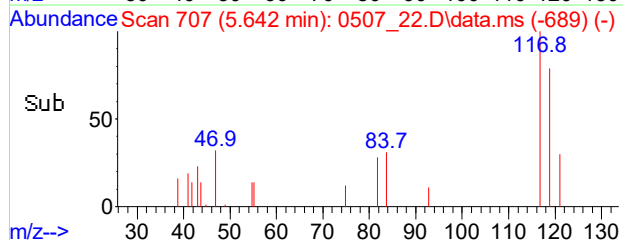
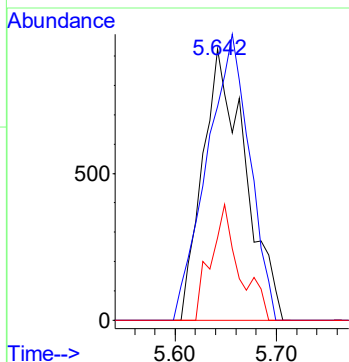
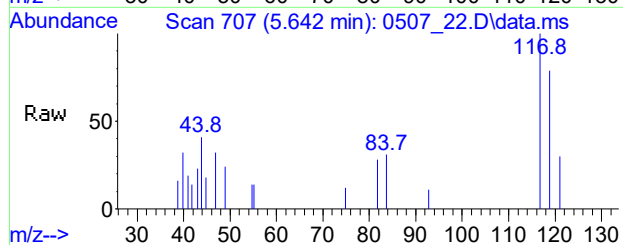
Tgt Ion: 49 Resp: 14296
Ion Ratio Lower Upper
49 100
84 35.1 36.2 54.2#
86 20.4 22.3 33.5#





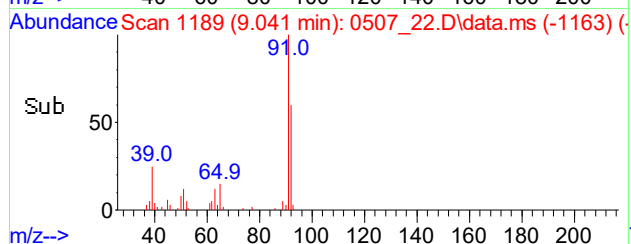
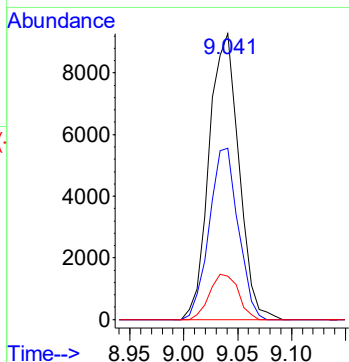
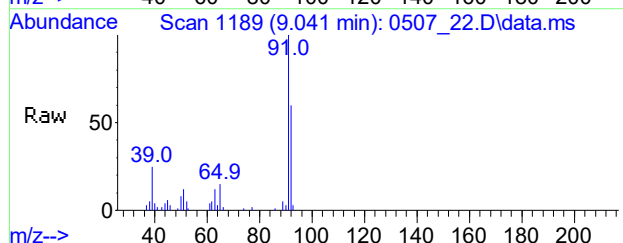
#34
Carbon Tetrachloride
Conc: 8\$ Below Cal
RT: 5.642 min Scan# 707
Delta R.T. -0.019 min
Lab File: 0507_22.D
Acq: 8 May 2021 4:20 am

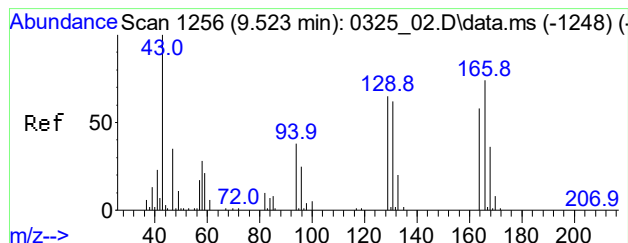
Tgt Ion	Ratio	Lower	Upper
117	100		
119	105.6	85.1	125.1
121	28.6	11.0	51.0



#48
Toluene
Conc: 8\$ 0.465 ppbv
RT: 9.041 min Scan# 1189
Delta R.T. -0.012 min
Lab File: 0507_22.D
Acq: 8 May 2021 4:20 am

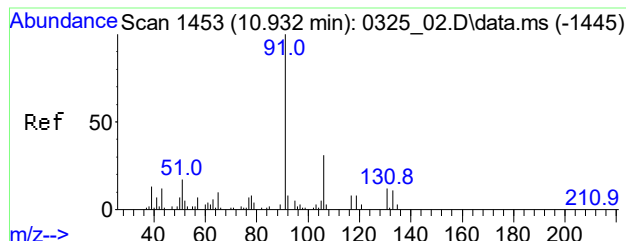
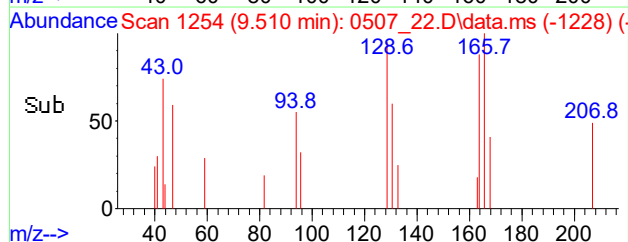
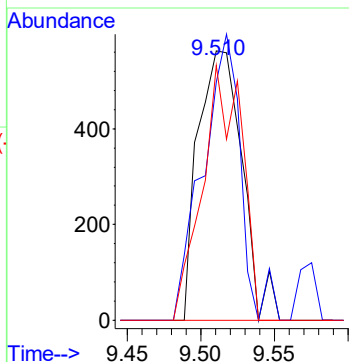
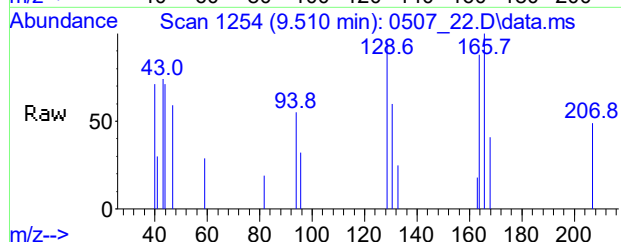
Tgt Ion	Ratio	Lower	Upper
91	100		
92	58.4	47.4	71.2
65	15.2	10.2	15.4





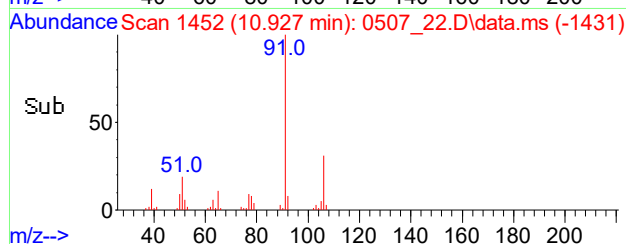
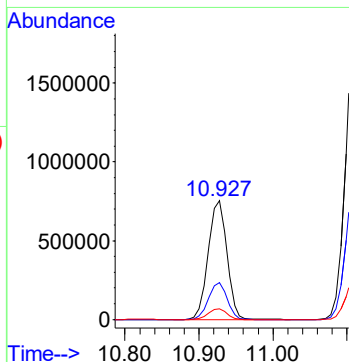
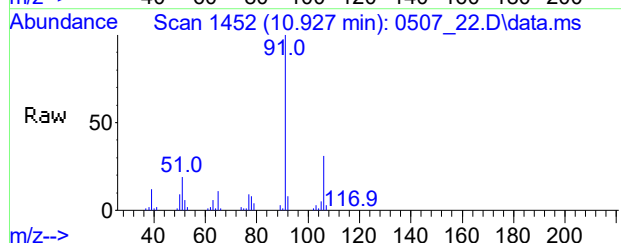
#52
Tetrachloroethene
Conc: 8\$ Below Cal
RT: 9.510 min Scan# 1254
Delta R.T. -0.013 min
Lab File: 0507_22.D
Acq: 8 May 2021 4:20 am

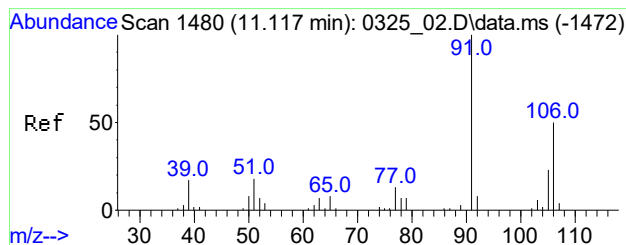
Tgt Ion: 166 Resp: 1177
Ion Ratio Lower Upper
166 100
164 91.9 63.2 94.8
129 84.5 56.9 85.3



#56
Ethylbenzene
Conc: 8\$ 24.529 ppbv
RT: 10.927 min Scan# 1452
Delta R.T. -0.005 min
Lab File: 0507_22.D
Acq: 8 May 2021 4:20 am

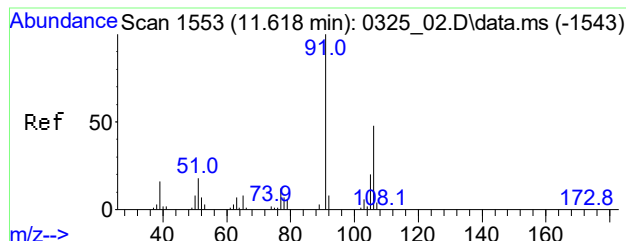
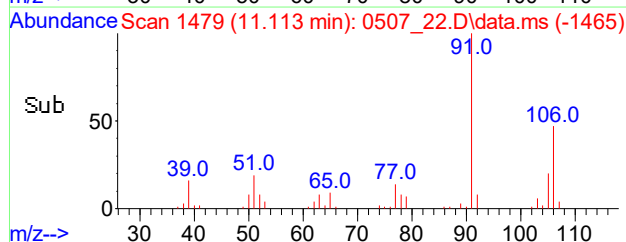
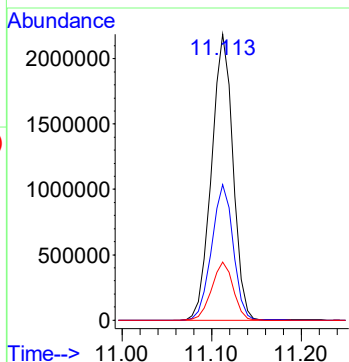
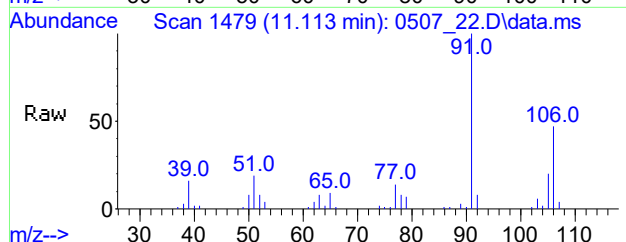
Tgt Ion: 91 Resp: 1320373
Ion Ratio Lower Upper
91 100
106 30.9 17.7 57.7
77 9.0 0.0 32.7





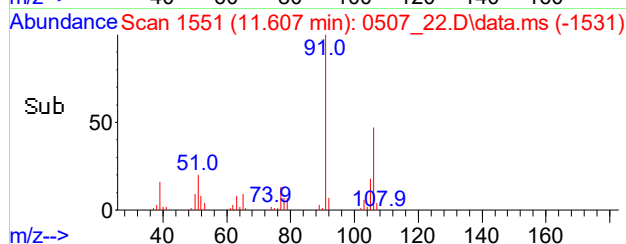
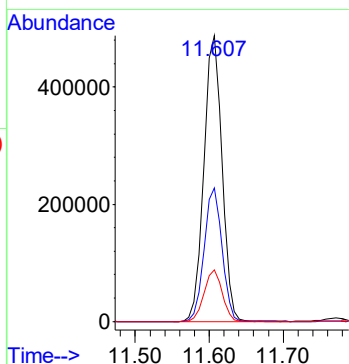
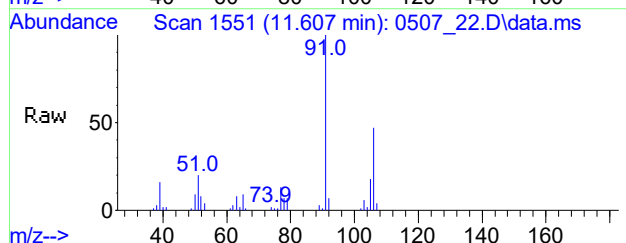
#57
m,p-Xylene
Conc: 8\$ 88.596 ppbv
RT: 11.113 min Scan# 1479
Delta R.T. -0.004 min
Lab File: 0507_22.D
Acq: 8 May 2021 4:20 am

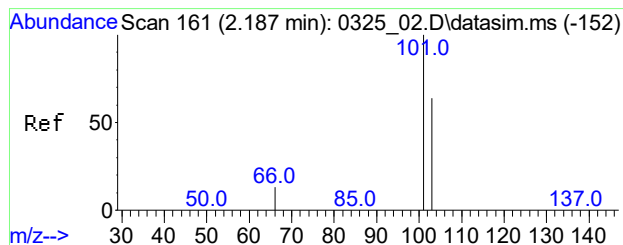
Tgt Ion: 91 Resp: 3646049
Ion Ratio Lower Upper
91 100
106 47.7 39.4 59.2
105 20.4 16.8 25.2



#61
o-Xylene
Conc: 8\$ 18.537 ppbv
RT: 11.607 min Scan# 1551
Delta R.T. -0.011 min
Lab File: 0507_22.D
Acq: 8 May 2021 4:20 am

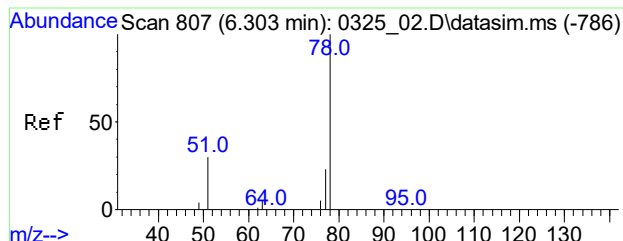
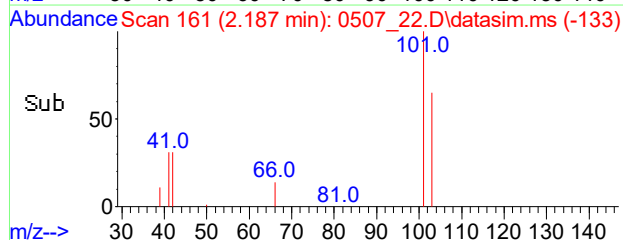
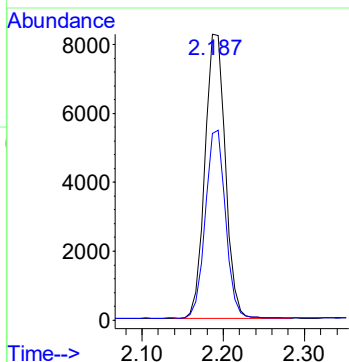
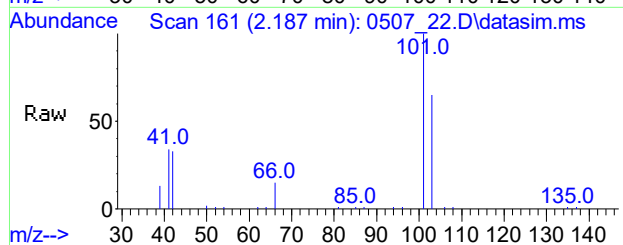
Tgt Ion: 91 Resp: 825882
Ion Ratio Lower Upper
91 100
106 46.2 37.5 56.3
105 18.0 13.5 20.3





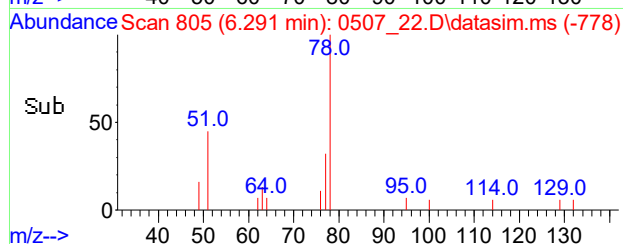
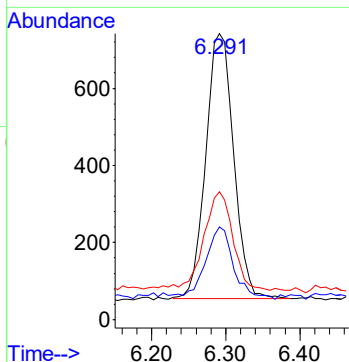
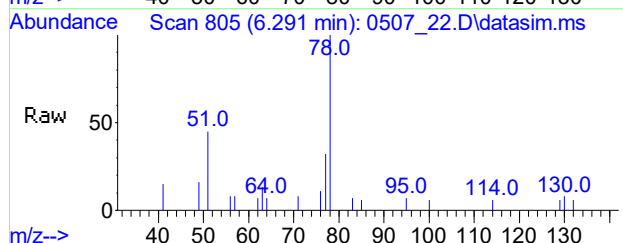
#84
Trichlorofluoromethane(sim)
Conc: 8\$ 0.372 ppbv
RT: 2.187 min Scan# 161
Delta R.T. -0.007 min
Lab File: 0507_22.D
Acq: 8 May 2021 4:20 am

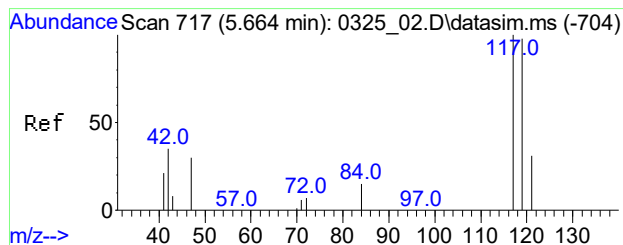
Tgt Ion	Ratio	Lower	Upper
101	100		
103	65.1	52.6	78.8



#86
Benzene(sim)
Conc: 8\$ Below Cal
RT: 6.291 min Scan# 805
Delta R.T. -0.012 min
Lab File: 0507_22.D
Acq: 8 May 2021 4:20 am

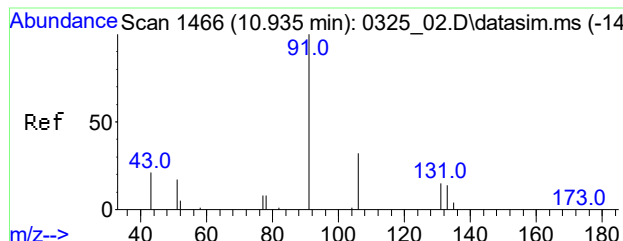
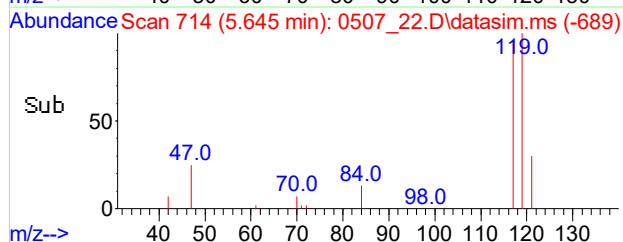
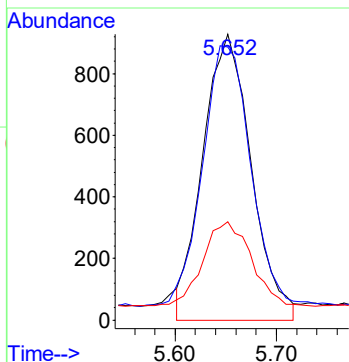
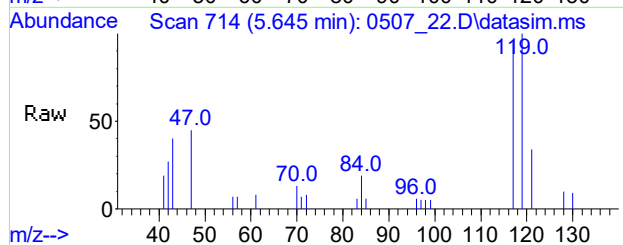
Tgt Ion	Ratio	Lower	Upper
78	100		
77	27.0	18.6	28.0
51	37.9	25.4	38.2





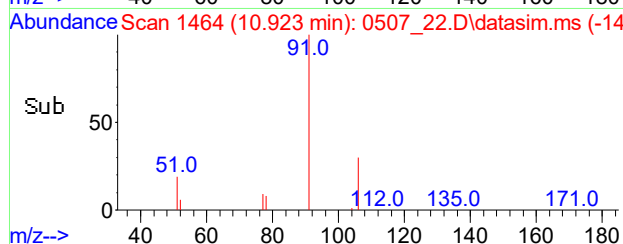
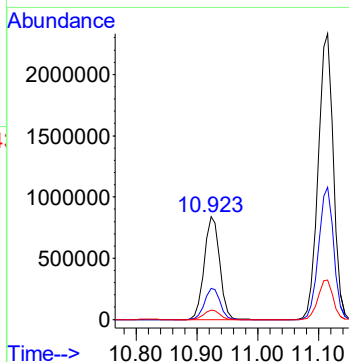
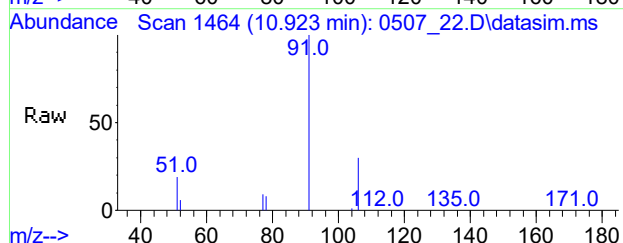
#87
Carbon Tetrachloride(sim)
Conc: 8\$ 0.075 ppbv
RT: 5.642 min Scan# 714
Delta R.T. -0.019 min
Lab File: 0507_22.D
Acq: 8 May 2021 4:20 am

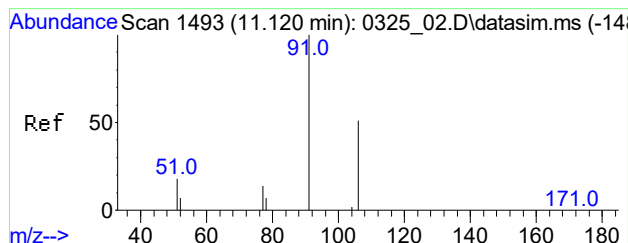
Tgt Ion: 117 Resp: 2554
Ion Ratio Lower Upper
117 100
119 40.0 84.7 127.1#
121 0.0 21.1 31.7#



#108
Ethylbenzene(sim)
Conc: 8\$ 23.348 ppb
RT: 10.923 min Scan# 1464
Delta R.T. -0.012 min
Lab File: 0507_22.D
Acq: 8 May 2021 4:20 am

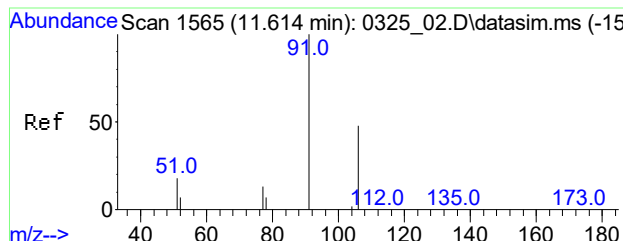
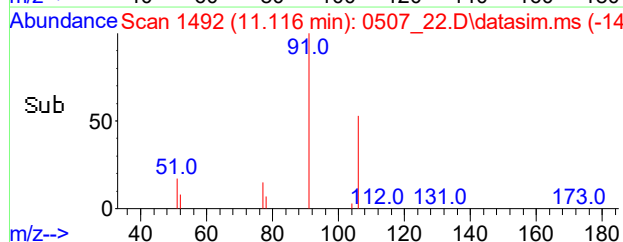
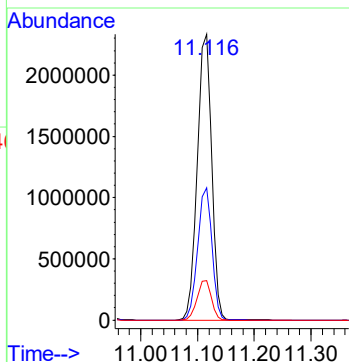
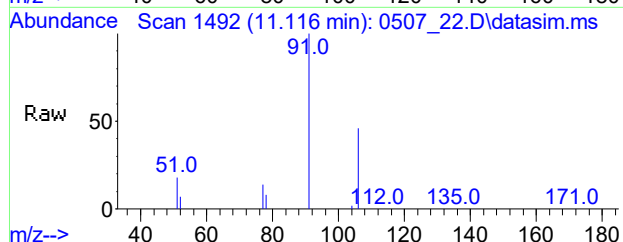
Tgt Ion: 91 Resp: 1477929
Ion Ratio Lower Upper
91 100
106 30.2 24.8 37.2
77 9.1 7.5 11.3





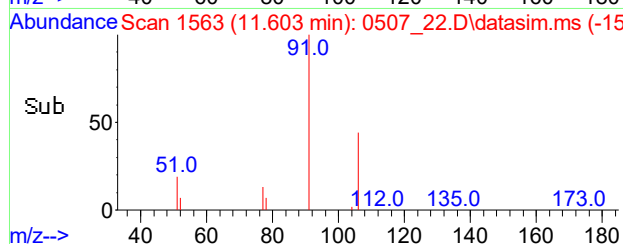
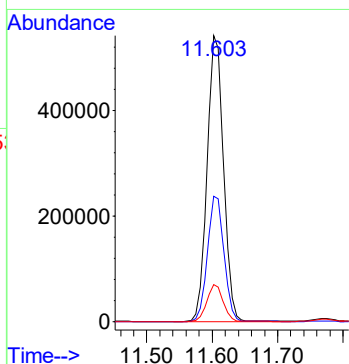
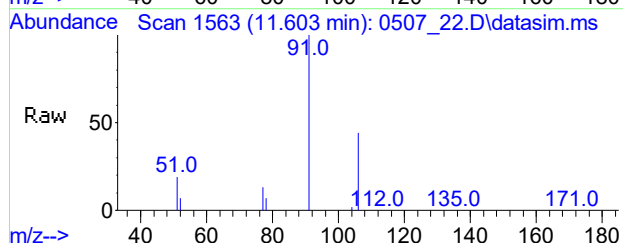
#109
m,p-Xylene(sim)
Conc: 8\$ 85.559 ppbv
RT: 11.113 min Scan# 1492
Delta R.T. -0.004 min
Lab File: 0507_22.D
Acq: 8 May 2021 4:20 am

Tgt Ion: 91 Resp: 3648244
Ion Ratio Lower Upper
91 100
106 47.7 44.4 54.2
77 13.9 11.7 17.5



#110
o-Xylene(sim)
Conc: 8\$ 17.927 ppb
RT: 11.603 min Scan# 1563
Delta R.T. -0.011 min
Lab File: 0507_22.D
Acq: 8 May 2021 4:20 am

Tgt Ion: 91 Resp: 926735
Ion Ratio Lower Upper
91 100
106 44.2 36.6 54.8
77 12.8 10.1 15.1



Data Path : H:\AIR2021\CHEM24\05MAY\10\
 Data File : 0510_04.D
 Acq On : 10 May 2021 8:42 am
 Operator : Keith
 Client ID : CI26493 LCS
 Lab ID : CI26493 LCS
 ALS Vial : 4 Sample Multiplier: 1

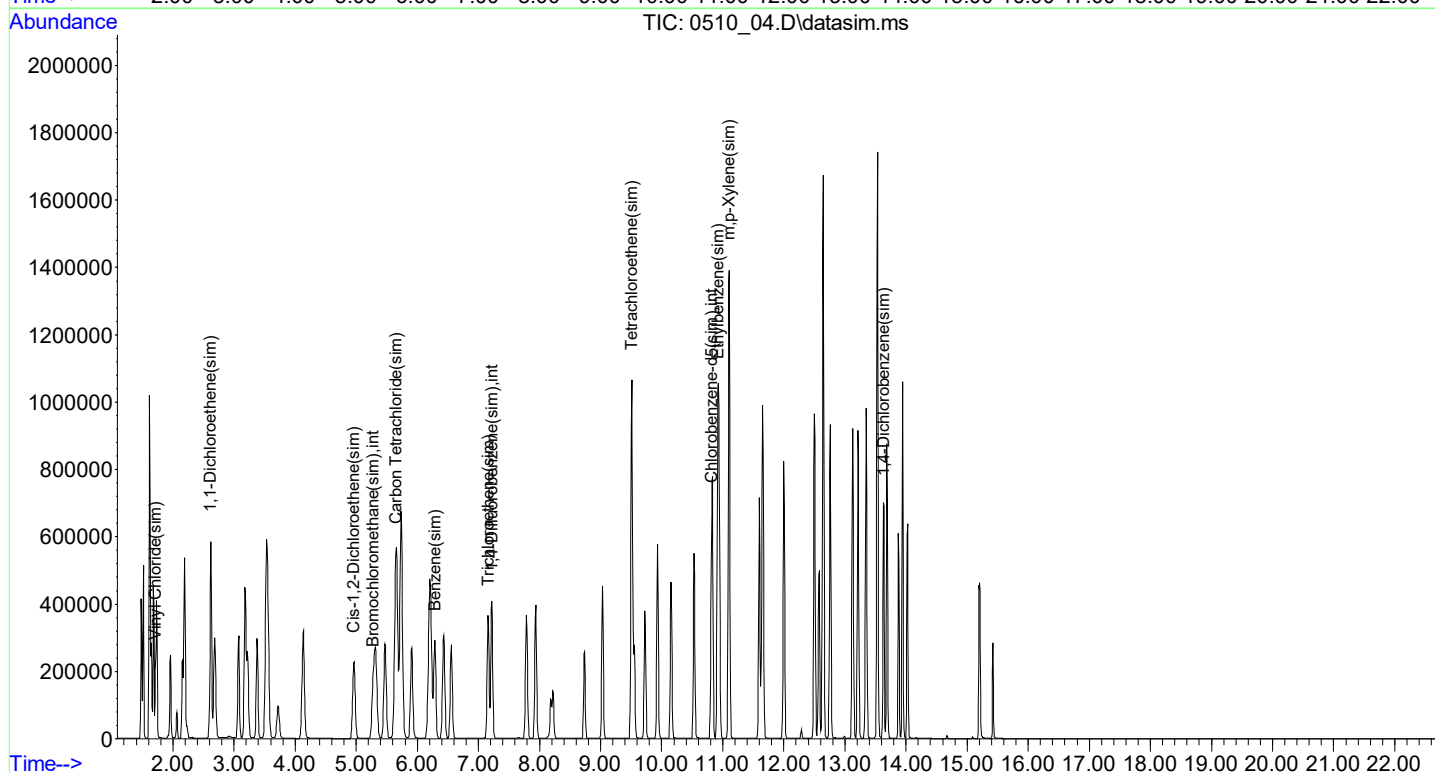
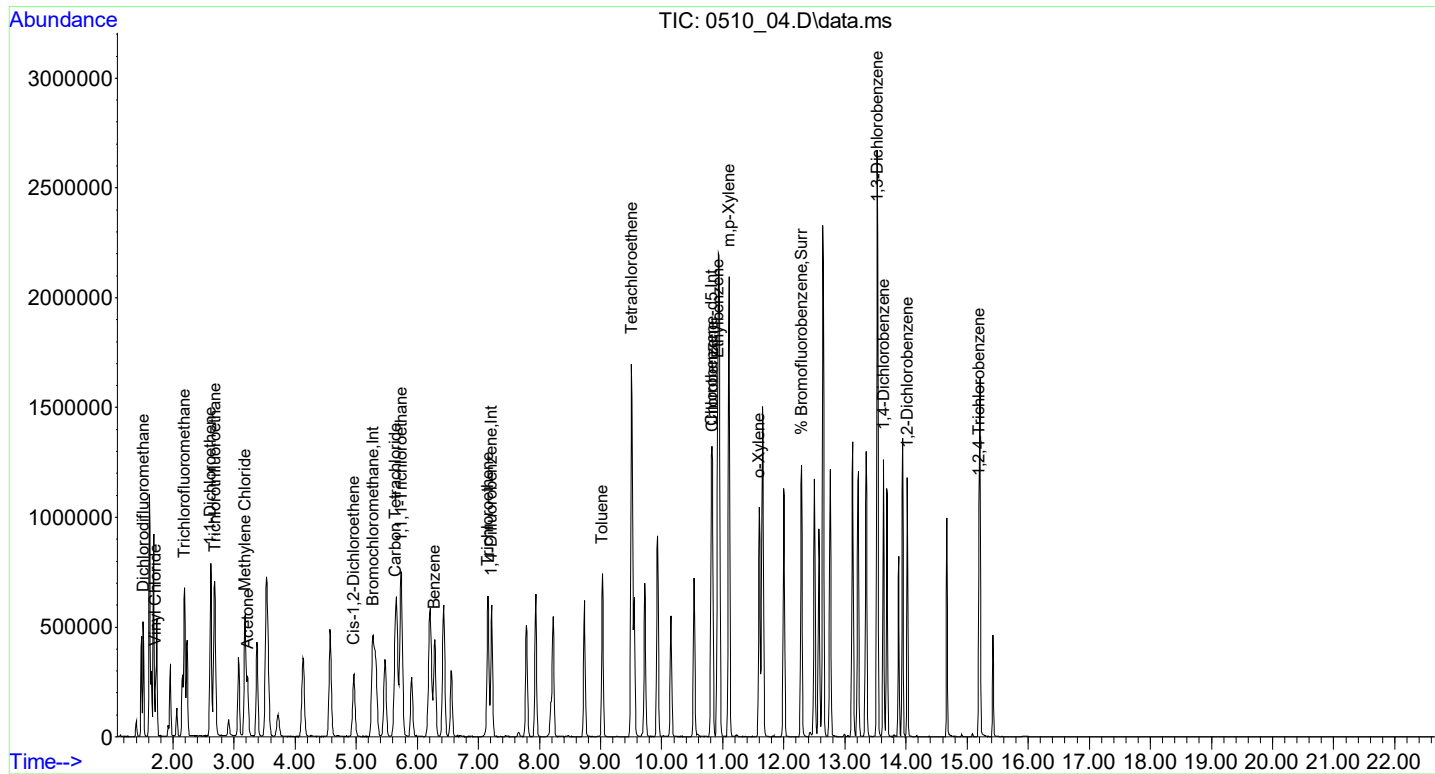
Quant Time: May 10 09:55:20 2021
 Quant Method : H:\AIR2021\CHEM24\METHODS\24AIR_0421.M
 Quant Title : VOA Standards for 5 point calibration
 QLast Update : Thu Apr 22 08:23:13 2021
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	5.272	130	156948	10.000	ng	-0.02
36) 1,4-Difluorobenzene	7.218	114	504989	10.000	ng	-0.02
53) Chlorobenzene-d5	10.815	82	260292	10.000	ng	-0.01
80) Bromochloromethane(sim)	5.275	130	163040	10.000	ng	#-0.01
95) 1,4-Difluorobenzene(sim)	7.218	114	504989	10.000	ng	-0.02
105) Chlorobenzene-d5(sim)	10.815	82	260292	10.000	ng	-0.01
System Monitoring Compounds						
62) % Bromofluorobenzene	12.290	95	373102	10.220	ppbv	-0.01
Spiked Amount	10.000	Range	70 - 130	Recovery	= 102.20%	
Target Compounds						
					Qvalue	
3) Dichlorodifluoromethane	1.512	85	318814	9.159	ppbv	99
6) Vinyl Chloride	1.718	62	182023	10.960	ppbv	97
12) Acetone	3.224	43	408390	9.961	ppbv	99
13) Trichlorofluoromethane	2.191	101	497106	12.103	ppbv	96
16) 1,1-Dichloroethene	2.615	61	336743	11.791	ppbv	94
17) Methylene Chloride	3.176	49	282993	10.146	ppbv	92
21) Trichlorotrifluoroethane	2.683	101	330352	11.560	ppbv	97
26) Cis-1,2-Dichloroethene	4.962	61	328573	11.804	ppbv	99
32) 1,1,1-Trichloroethane	5.733	97	401933	11.220	ppbv	96
33) Benzene	6.286	78	377772	10.117	ppbv	95
34) Carbon Tetrachloride	5.647	117	456521	11.724	ppbv	97
39) Trichloroethene	7.156	130	230691	11.154	ppbv	91
48) Toluene	9.032	91	492690	10.537	ppbv	98
52) Tetrachloroethene	9.508	166	314506	10.844	ppbv	97
55) Chlorobenzene	10.829	112	453233	10.866	ppbv#	57
56) Ethylbenzene	10.918	91	685764	10.648	ppbv	90
57) m,p-Xylene	11.103	91	1098681	22.313	ppbv	99
61) o-Xylene	11.598	91	586292	10.999	ppbv	97
71) 1,3-Dichlorobenzene	13.535	146	435538	11.268	ppbv	95
72) 1,4-Dichlorobenzene	13.633	146	421933	11.171	ppbv	97
75) 1,2-Dichlorobenzene	14.022	146	341369	11.323	ppbv	98
77) 1,2,4-Trichlorobenzene	15.194	180	149626	12.492	ppbv#	75
82] Vinyl Chloride(sim)	1.714	62	195627	10.376	ppbv	97
86] Benzene(sim)	6.289	78	418077	9.305	ppbv	98
87] Carbon Tetrachloride(sim)	5.647	117	456521	11.210	ppbv#	95
88] 1,1-Dichloroethene(sim)	2.618	61	359160	10.768	ppbv	98
92] Cis-1,2-Dichloroethene...	4.965	61	349538	11.132	ppbv	97
98] Trichloroethene(sim)	7.159	130	241037	10.603	ppbv	100
104] Tetrachloroethene(sim)	9.511	166	323370	10.416	ppbv	99
108] Ethylbenzene(sim)	10.921	91	759499	10.028	ppb	99
109] m,p-Xylene(sim)	11.103	91	1100391	21.569	ppbv	98
116] 1,4-Dichlorobenzene(sim)	13.636	146	470200	10.646	ppbv	98

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

Data Path : H:\AIR2021\CHEM24\05MAY\10\
Data File : 0510_04.D
Acq On : 10 May 2021 8:42 am
Operator : Keith
Client ID : CI26493 LCS
Lab ID : CI26493 LCS
ALS Vial : 4 Sample Multiplier: 1

Quant Time: May 10 09:55:20 2021
Quant Method : H:\AIR2021\CHEM24\METHODS\24AIR_0421.M
Quant Title : VOA Standards for 5 point calibration
QLast Update : Thu Apr 22 08:23:13 2021
Response via : Initial Calibration



C126493 LCSD

Lab Sample ID: CI26493 LCS

Lab File ID: 0510 05.D

Instrument: CHEM24 Column: RTX-VMS Date Received: 05/07/21

Purge Volume	200	(cc)	Date Analyzed:	05/10/21

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:\AIR2021\CHEM24\05MAY\10\
 Data File : 0510_05.D
 Acq On : 10 May 2021 9:19 am
 Operator : Keith
 Client ID : CI26493 LCSD
 Lab ID : CI26493 LCSD
 ALS Vial : 5 Sample Multiplier: 1

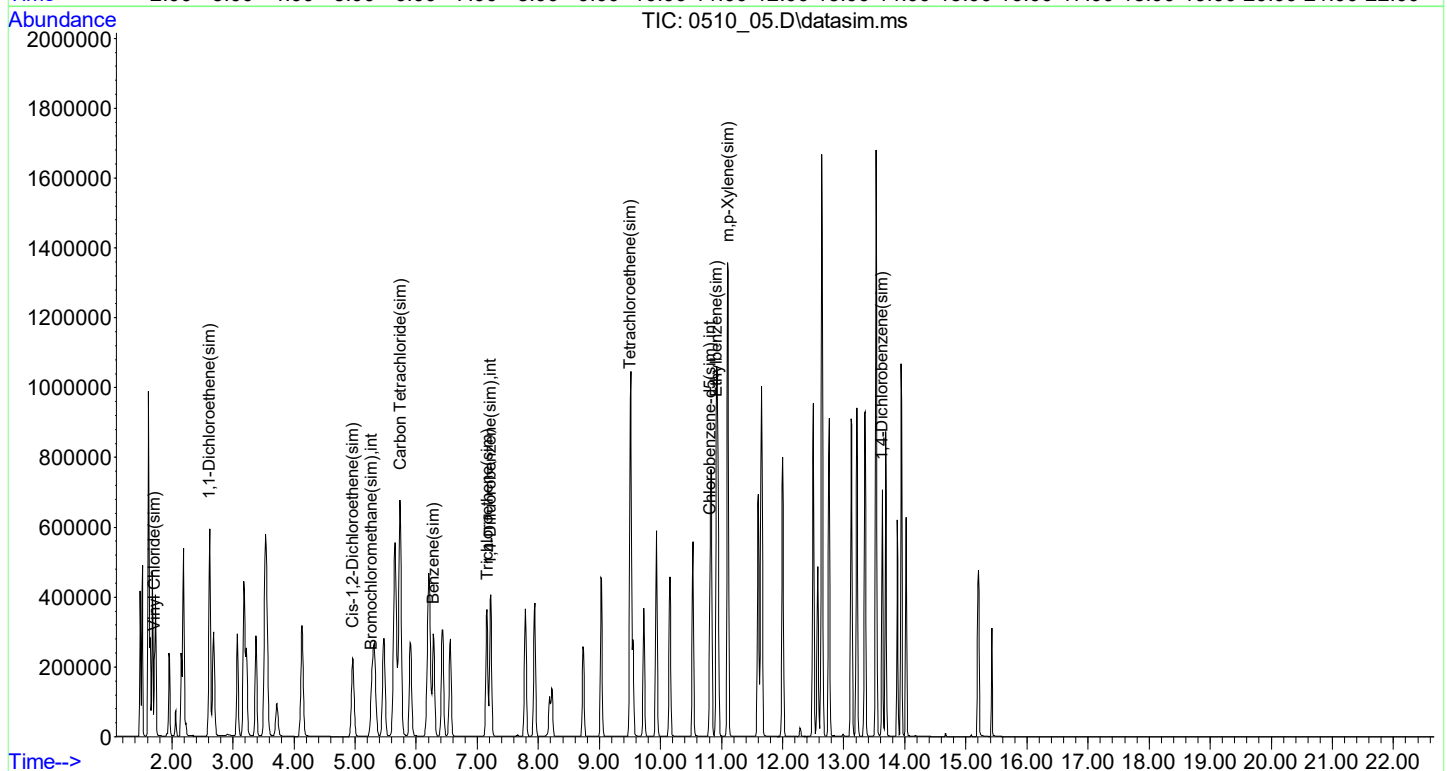
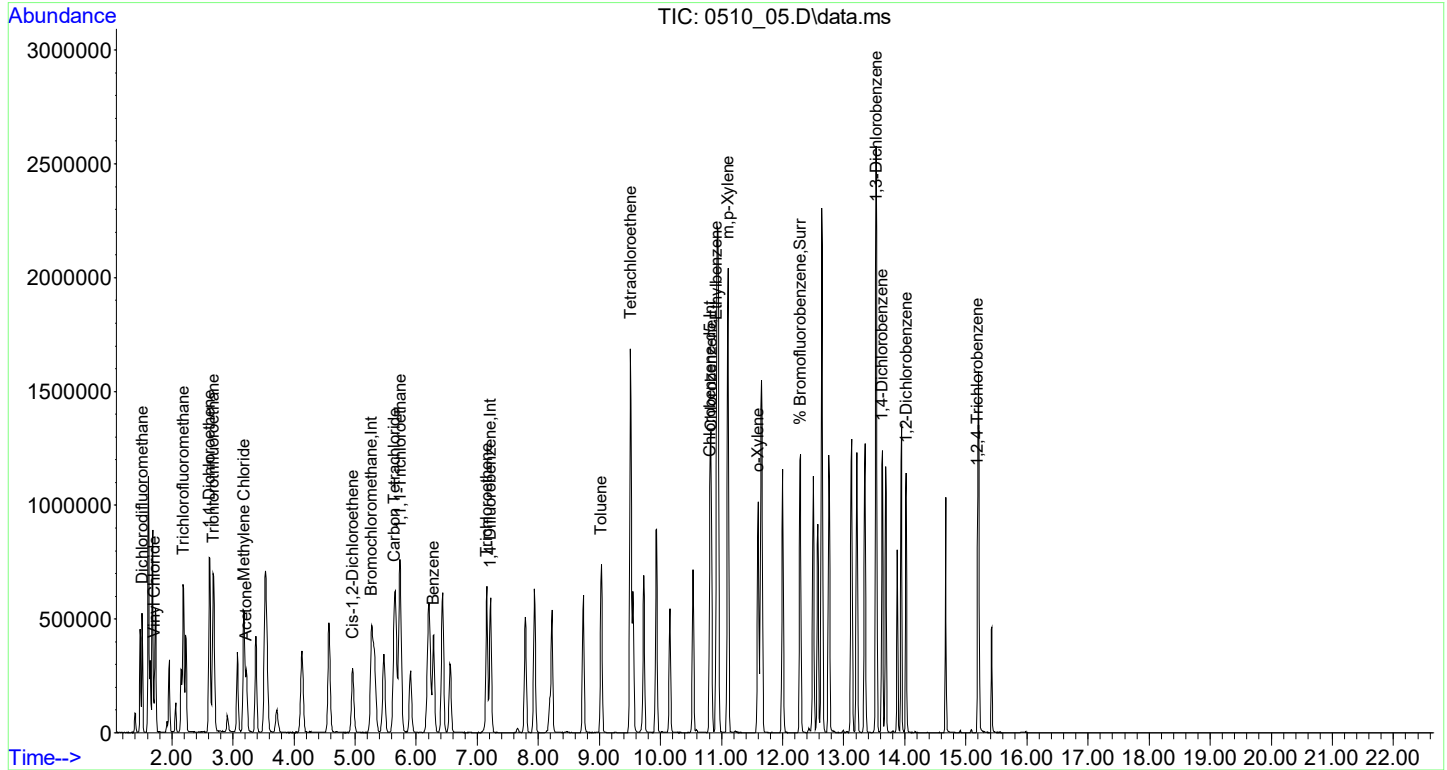
Quant Time: May 10 09:55:24 2021
 Quant Method : H:\AIR2021\CHEM24\METHODS\24AIR_0421.M
 Quant Title : VOA Standards for 5 point calibration
 QLast Update : Thu Apr 22 08:23:13 2021
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	5.272	130	159419	10.000	ng	-0.02
36) 1,4-Difluorobenzene	7.218	114	501482	10.000	ng	-0.02
53) Chlorobenzene-d5	10.809	82	259532	10.000	ng	-0.02
80) Bromochloromethane(sim)	5.268	130	163599	10.000	ng	#-0.02
95) 1,4-Difluorobenzene(sim)	7.218	114	501482	10.000	ng	-0.02
105) Chlorobenzene-d5(sim)	10.809	82	259532	10.000	ng	-0.02
System Monitoring Compounds						
62) % Bromofluorobenzene	12.290	95	374085	10.277	ppbv	-0.01
Spiked Amount	10.000	Range	70 - 130	Recovery	=	102.80%
Target Compounds						
					Qvalue	
3) Dichlorodifluoromethane	1.513	85	315091	8.911	ppbv	99
6) Vinyl Chloride	1.718	62	179219	10.624	ppbv	97
12) Acetone	3.217	43	403594	9.691	ppbv	100
13) Trichlorofluoromethane	2.184	101	485571	11.639	ppbv	96
16) 1,1-Dichloroethene	2.615	61	333018	11.480	ppbv	94
17) Methylene Chloride	3.176	49	278308	9.823	ppbv	92
21) Trichlorotrifluoroethane	2.677	101	322820	11.121	ppbv	97
26) Cis-1,2-Dichloroethene	4.962	61	329545	11.655	ppbv	99
32) 1,1,1-Trichloroethane	5.733	97	400260	11.000	ppbv	96
33) Benzene	6.287	78	376109	9.916	ppbv	95
34) Carbon Tetrachloride	5.647	117	455885	11.526	ppbv	95
39) Trichloroethene	7.156	130	226103	11.008	ppbv	91
48) Toluene	9.032	91	494434	10.648	ppbv	97
52) Tetrachloroethene	9.508	166	308067	10.697	ppbv	97
55) Chlorobenzene	10.829	112	446613	10.738	ppbv#	58
56) Ethylbenzene	10.918	91	684997	10.667	ppbv	90
57) m, p-Xylene	11.104	91	1080087	22.000	ppbv	99
61) o-Xylene	11.598	91	561320	10.561	ppbv	98
71) 1,3-Dichlorobenzene	13.536	146	426767	11.073	ppbv	95
72) 1,4-Dichlorobenzene	13.633	146	421880	11.203	ppbv	96
75) 1,2-Dichlorobenzene	14.022	146	336648	11.199	ppbv	98
77) 1,2,4-Trichlorobenzene	15.194	180	152573	12.719	ppbv#	74
82] Vinyl Chloride(sim)	1.714	62	193658	10.237	ppbv	97
86] Benzene(sim)	6.283	78	414868	9.202	ppbv	98
87] Carbon Tetrachloride(sim)	5.733	117	43258	1.059	ppbv	95
88] 1,1-Dichloroethene(sim)	2.618	61	354265	10.585	ppbv	97
92] Cis-1,2-Dichloroethene...	4.960	61	347814	11.039	ppbv	95
98] Trichloroethene(sim)	7.159	130	239112	10.592	ppbv	100
104] Tetrachloroethene(sim)	9.504	166	318660	10.336	ppbv	99
108] Ethylbenzene(sim)	10.914	91	758494	10.045	ppb	99
109] m, p-Xylene(sim)	11.104	91	1080510	21.241	ppbv	98
116] 1,4-Dichlorobenzene(sim)	13.629	146	468355	10.636	ppbv	98

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

Data Path : H:\AIR2021\CHEM24\05MAY\10\
Data File : 0510_05.D
Acq On : 10 May 2021 9:19 am
Operator : Keith
Client ID : CI26493 LCSD
Lab ID : CI26493 LCSD
ALS Vial : 5 Sample Multiplier: 1

Quant Time: May 10 09:55:24 2021
Quant Method : H:\AIR2021\CHEM24\METHODS\24AIR_0421.M
Quant Title : VOA Standards for 5 point calibration
QLast Update : Thu Apr 22 08:23:13 2021
Response via : Initial Calibration



Data Path : H:\AIR2021\CHEM24\05MAY\10\
 Data File : 0510_07.D
 Acq On : 10 May 2021 10:22 am
 Operator : Keith
 Client ID : CI26493 BLANK
 Lab ID : CI26493 BLANK
 ALS Vial : 7 Sample Multiplier: 1

Quant Time: May 10 11:55:13 2021
 Quant Method : H:\AIR2021\CHEM24\METHODS\24AIR_0421.M
 Quant Title : VOA Standards for 5 point calibration
 QLast Update : Thu Apr 22 08:23:13 2021
 Response via : Initial Calibration

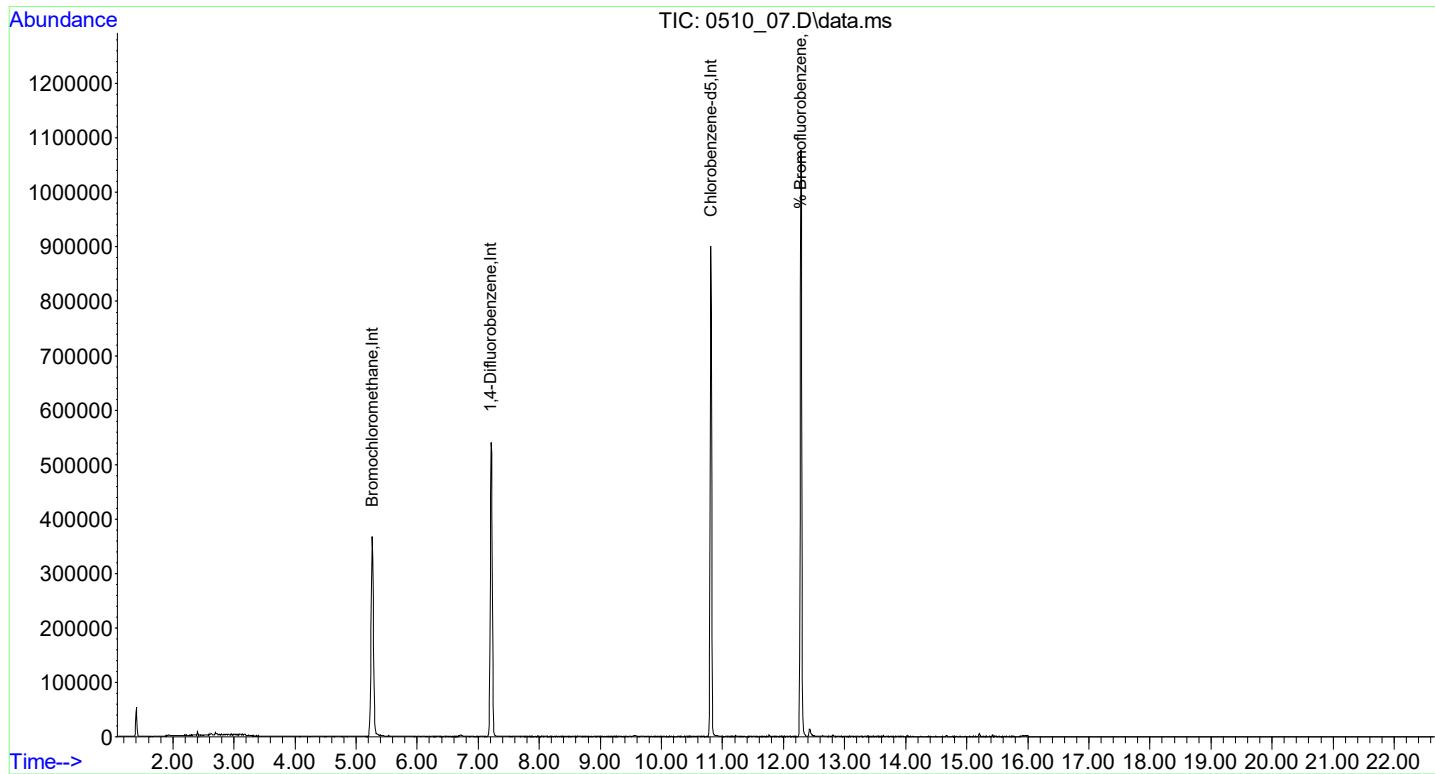
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	5.265	130	146786	10.000	ng	-0.03
36) 1,4-Difluorobenzene	7.211	114	464076	10.000	ng	-0.03
53) Chlorobenzene-d5	10.809	82	240937	10.000	ng	-0.02
80) Bromochloromethane(sim)	5.268	130	151389	10.000	ng	#-0.02
95) 1,4-Difluorobenzene(sim)	7.211	114	464076	10.000	ng	-0.03
105) Chlorobenzene-d5(sim)	10.809	82	240937	10.000	ng	-0.02
System Monitoring Compounds						
62) % Bromofluorobenzene	12.283	95	332656	9.844	ppbv	-0.02
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:\AIR2021\CHEM24\05MAY\10\
Data File : 0510_07.D
Acq On : 10 May 2021 10:22 am
Operator : Keith
Client ID : CI26493 BLANK
Lab ID : CI26493 BLANK
ALS Vial : 7 Sample Multiplier: 1

Quant Time: May 10 11:55:13 2021
Quant Method : H:\AIR2021\CHEM24\METHODS\24AIR_0421.M
Quant Title : VOA Standards for 5 point calibration
QLast Update : Thu Apr 22 08:23:13 2021
Response via : Initial Calibration



Client:	WALDENE-IPARK	Lab:	Phoenix Env. Labs
SDG No.:	GCI26486	Lab Sample ID:	CI26493 DUP
Canister:	19634	Lab File ID:	0510_09.D
Instrument:	CHEM24	Column:	RTX-VMS
Purge Volume	200 (cc)	Date Received:	05/07/21
		Date Analyzed:	05/10/21
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:\AIR2021\CHEM24\05MAY\10\
 Data File : 0510_09.D
 Acq On : 10 May 2021 11:45 am
 Operator : Keith
 Client ID : SCIA-08 DUP
 Lab ID : CI26493 DUP
 ALS Vial : 9 Sample Multiplier: 1

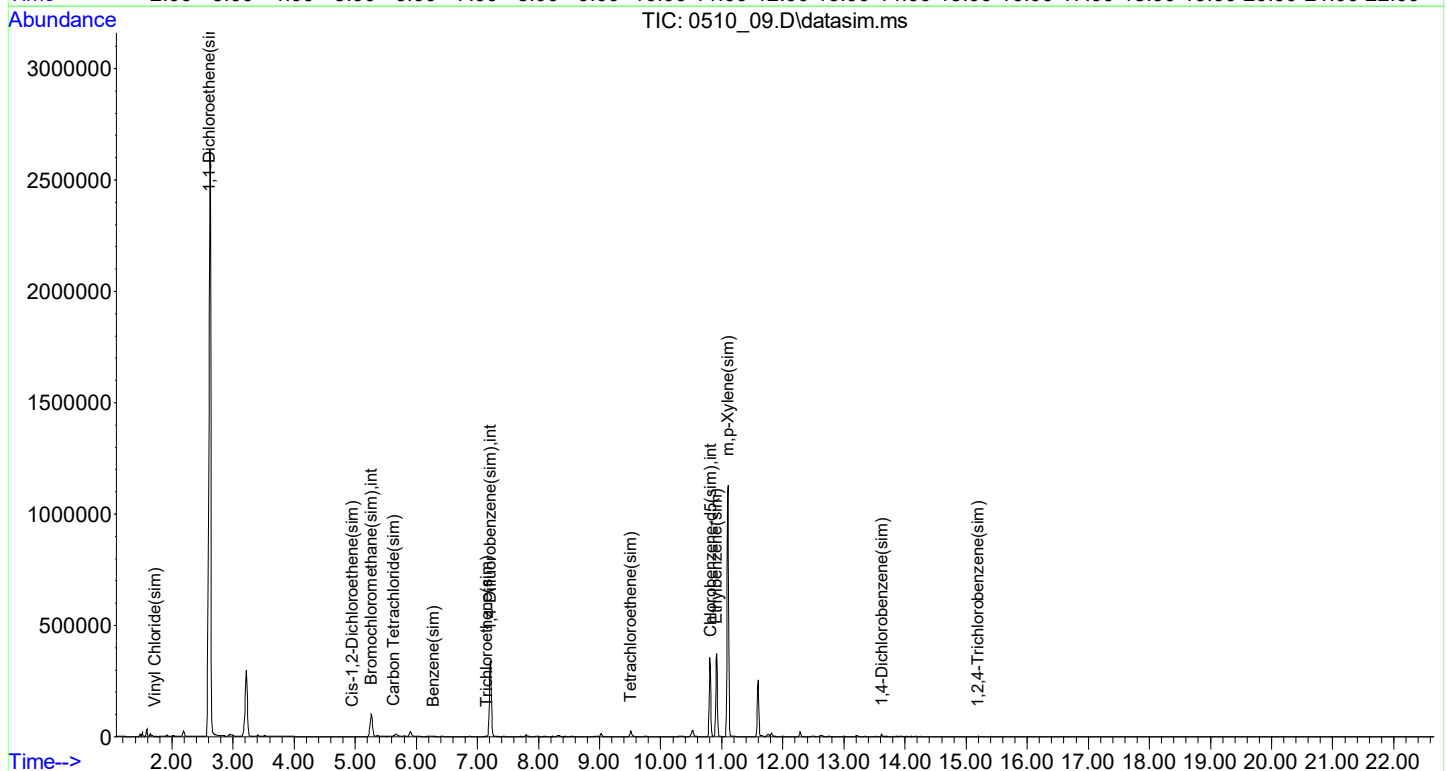
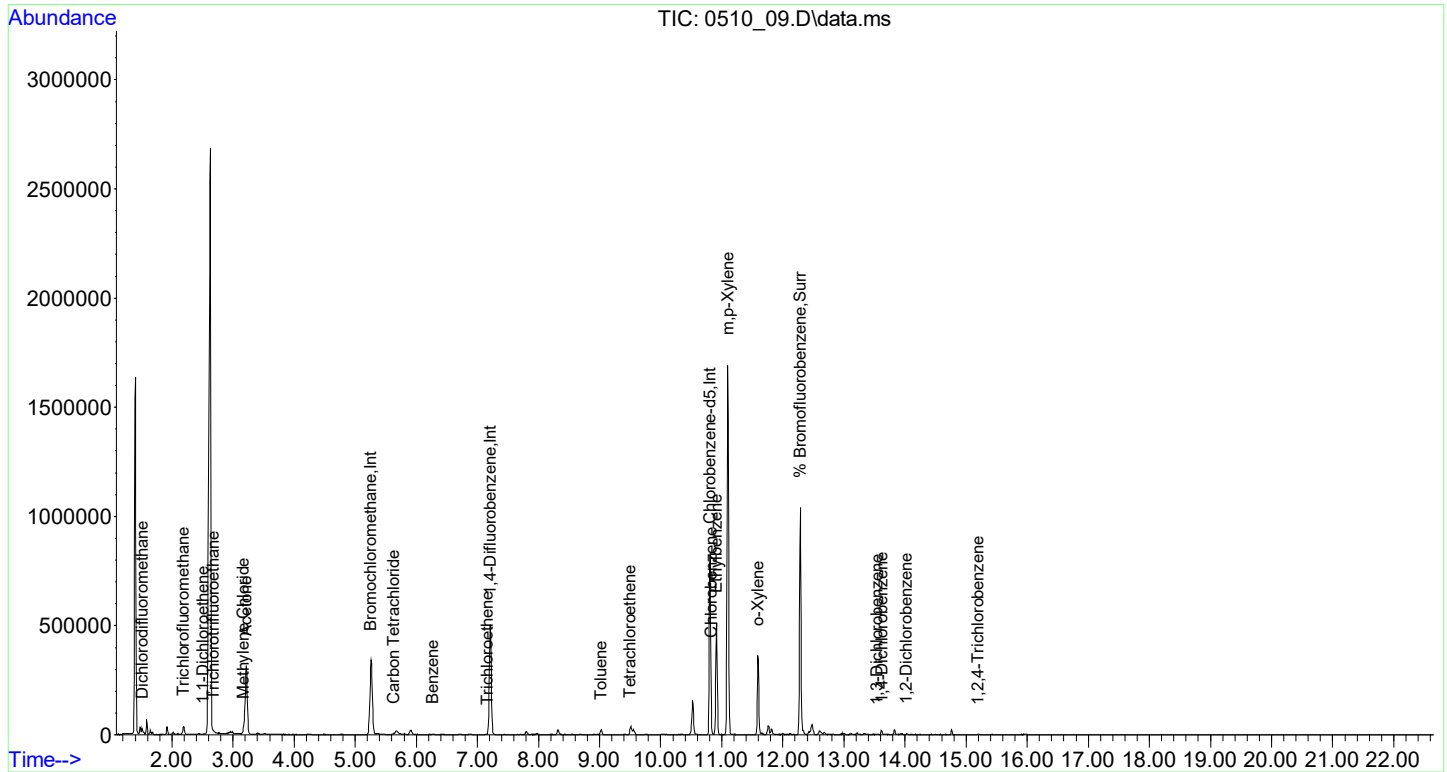
Quant Time: May 10 12:13:44 2021
 Quant Method : H:\AIR2021\CHEM24\METHODS\24AIR_0421.M
 Quant Title : VOA Standards for 5 point calibration
 QLast Update : Thu Apr 22 08:23:13 2021
 Response via : Initial Calibration

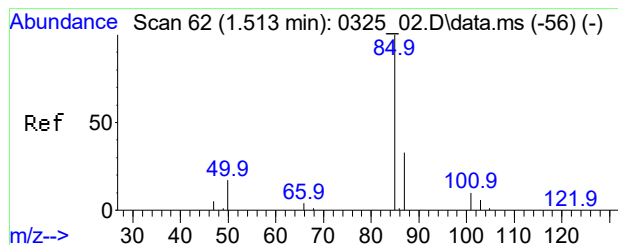
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	5.260	130	131809	10.000	ng	-0.03
36) 1,4-Difluorobenzene	7.213	114	420847	10.000	ng	-0.03
53) Chlorobenzene-d5	10.811	82	220879	10.000	ng	-0.02
80) Bromochloromethane(sim)	5.263	130	136780	10.000	ng	#-0.03
95) 1,4-Difluorobenzene(sim)	7.213	114	420847	10.000	ng	-0.03
105) Chlorobenzene-d5(sim)	10.811	82	220879	10.000	ng	-0.02
System Monitoring Compounds						
62) % Bromofluorobenzene	12.285	95	309961	10.006	ppbv	-0.02
Spiked Amount	10.000	Range	70 - 130	Recovery	=	100.10%
Target Compounds						
					Qvalue	
3) Dichlorodifluoromethane	1.512	85	11565	0.396	ppbv	98
12) Acetone	3.217	43	425530	12.358	ppbv	97
13) Trichlorofluoromethane	2.191	101	13654	0.396	ppbv	97
17) Methylene Chloride	3.169	49	9586	0.409	ppbv#	86
34) Carbon Tetrachloride	5.634	117	2738	0.084	ppbv	93
39) Trichloroethene	7.158	130	832	0.048	ppbv	86
48) Toluene	9.027	91	14292	0.367	ppbv#	96
52) Tetrachloroethene	9.503	166	4636	0.192	ppbv	93
56) Ethylbenzene	10.914	91	331454	6.065	ppbv	90
57) m, p-Xylene	11.099	91	905336	21.668	ppbv	98
61) o-Xylene	11.593	91	199084	4.401	ppbv	98
84] Trichlorofluoromethane...	2.187	101	13956	0.361	ppbv	99
86] Benzene(sim)	6.277	78	2583	0.069	ppbv	94
87] Carbon Tetrachloride(sim)	5.634	117	2683	0.079	ppbv	90
98] Trichloroethene(sim)	7.154	130	838	0.044	ppbv	99
104] Tetrachloroethene(sim)	9.506	166	4933	0.191	ppbv	96
108] Ethylbenzene(sim)	10.916	91	374408	5.826	ppb	99
109] m, p-Xylene(sim)	11.099	91	905336	20.912	ppbv	97
110] o-Xylene(sim)	11.596	91	221880	4.227	ppb	98

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

Data Path : H:\AIR2021\CHEM24\05MAY\10\
Data File : 0510_09.D
Acq On : 10 May 2021 11:45 am
Operator : Keith
Client ID : SCIA-08 DUP
Lab ID : CI26493 DUP
ALS Vial : 9 Sample Multiplier: 1

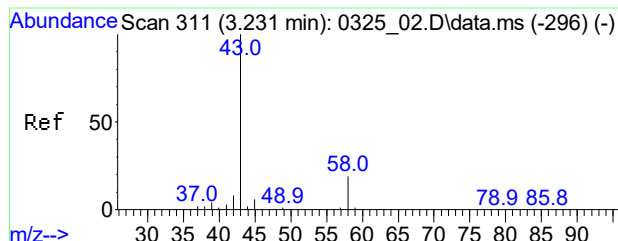
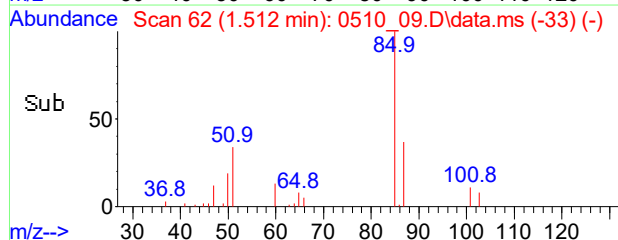
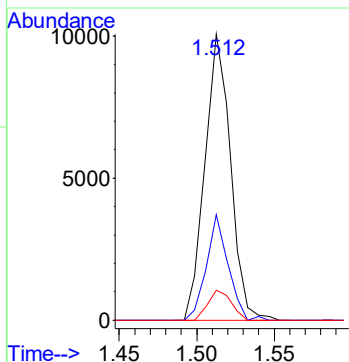
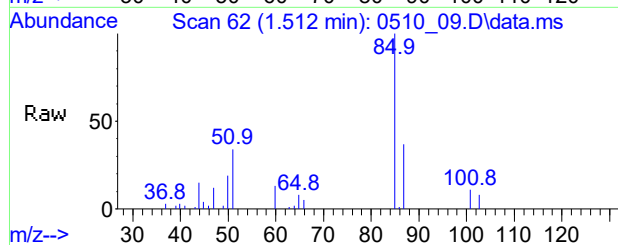
Quant Time: May 10 12:13:44 2021
Quant Method : H:\AIR2021\CHEM24\METHODS\24AIR_0421.M
Quant Title : VOA Standards for 5 point calibration
QLast Update : Thu Apr 22 08:23:13 2021
Response via : Initial Calibration





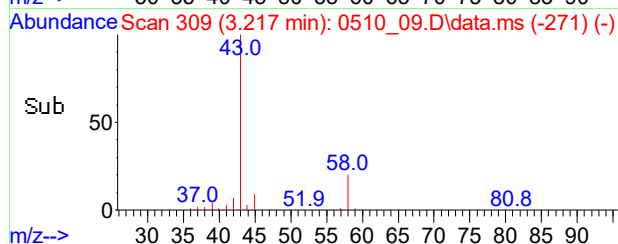
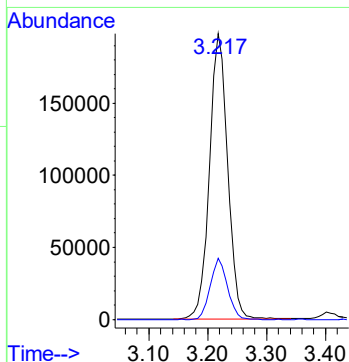
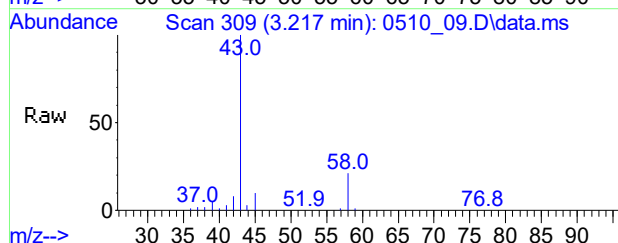
#3
Dichlorodifluoromethane
Conc: 8\$ 0.396 ppbv
RT: 1.512 min Scan# 62
Delta R.T. -0.001 min
Lab File: 0510_09.D
Acq: 10 May 2021 11:45 am

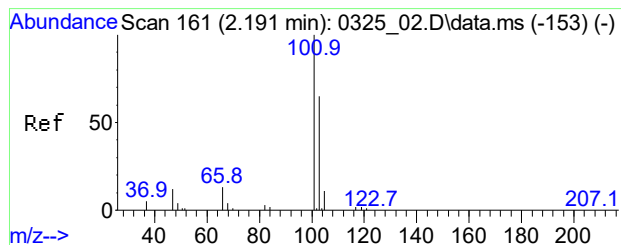
Tgt Ion: 85 Resp: 11565
Ion Ratio Lower Upper
85 100
87 31.3 25.8 38.8
101 9.5 7.3 10.9



#12
Acetone
Conc: 8\$ 12.358 ppbv
RT: 3.217 min Scan# 309
Delta R.T. -0.041 min
Lab File: 0510_09.D
Acq: 10 May 2021 11:45 am

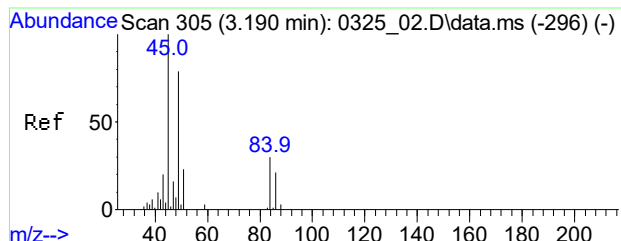
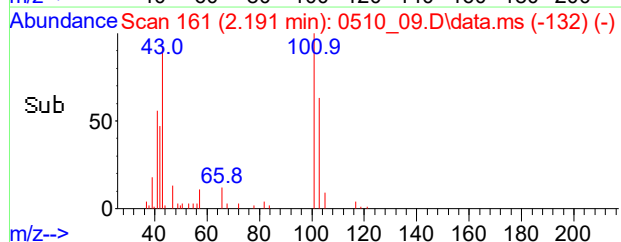
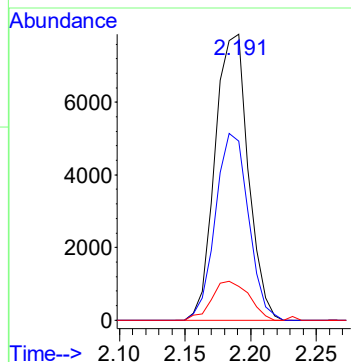
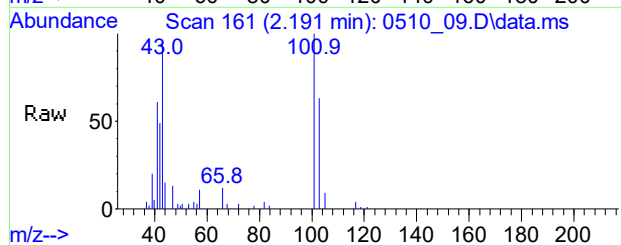
Tgt Ion: 43 Resp: 425530
Ion Ratio Lower Upper
43 100
58 20.2 15.0 22.4





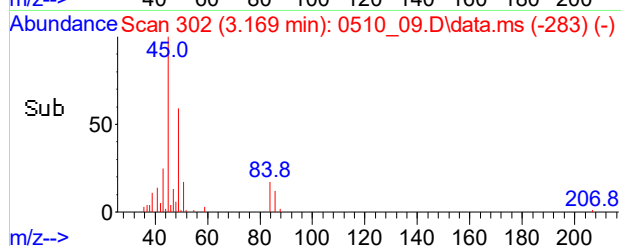
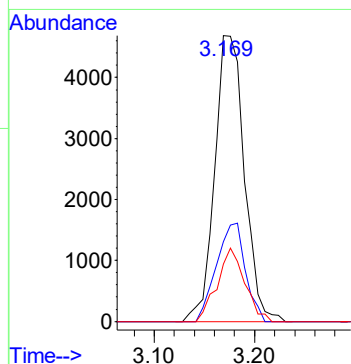
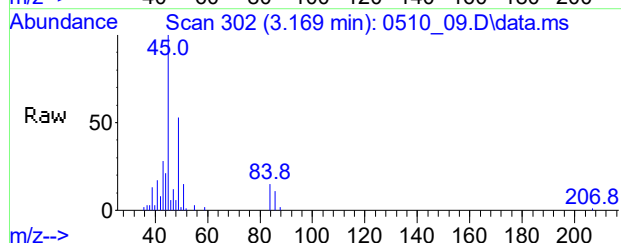
#13
Trichlorofluoromethane
Conc: 8\$ 0.396 ppbv
RT: 2.191 min Scan# 161
Delta R.T. -0.000 min
Lab File: 0510_09.D
Acq: 10 May 2021 11:45 am

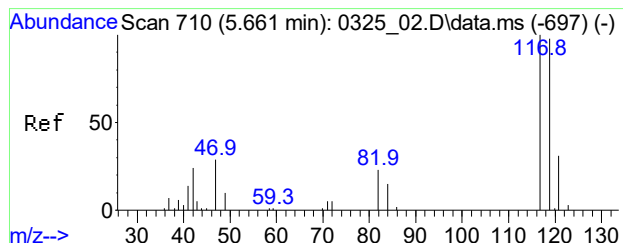
Tgt Ion	Ratio	Lower	Upper
101	100		
103	65.2	54.6	82.0
66	15.4	12.2	18.4



#17
Methylene Chloride
Conc: 8\$ 0.409 ppbv
RT: 3.169 min Scan# 302
Delta R.T. -0.021 min
Lab File: 0510_09.D
Acq: 10 May 2021 11:45 am

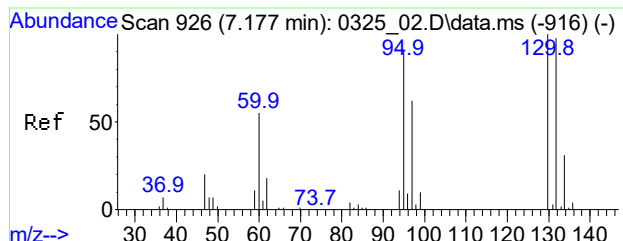
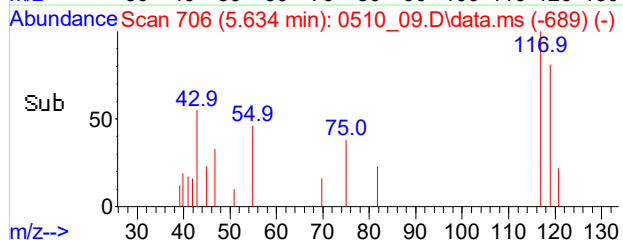
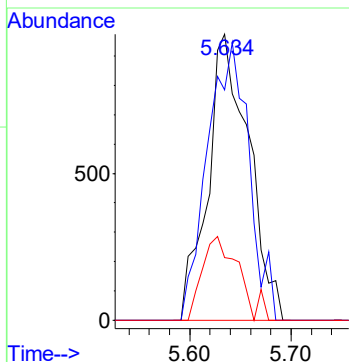
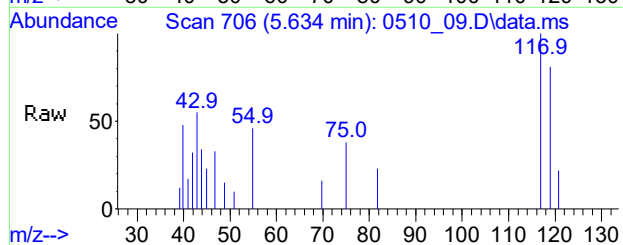
Tgt Ion	Ratio	Lower	Upper
49	100		
84	33.5	36.2	54.2#
86	23.8	22.3	33.5





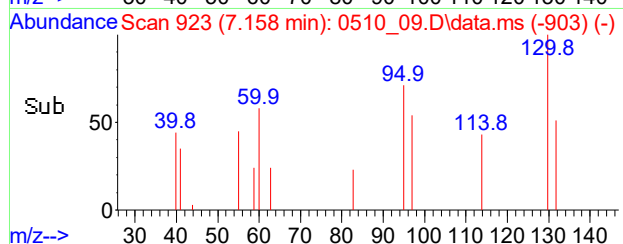
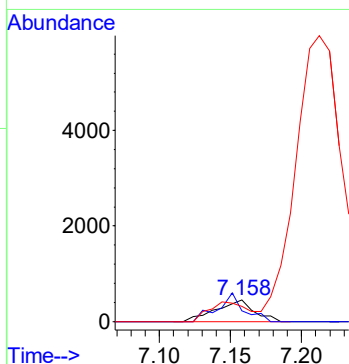
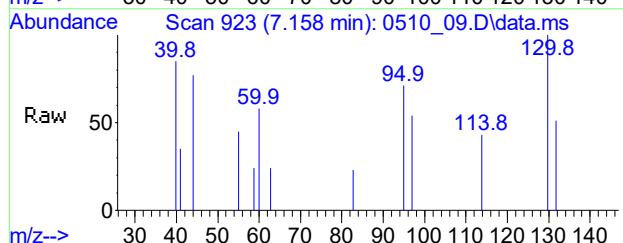
#34
Carbon Tetrachloride
Conc: 8\$ Below Cal
RT: 5.634 min Scan# 706
Delta R.T. -0.027 min
Lab File: 0510_09.D
Acq: 10 May 2021 11:45 am

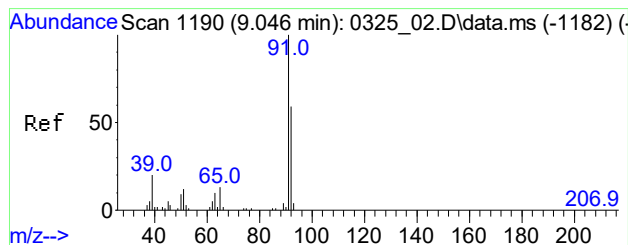
Tgt Ion	Ratio	Lower	Upper
117	100		
119	98.5	85.1	125.1
121	26.1	11.0	51.0



#39
Trichloroethene
Conc: 8\$ Below Cal
RT: 7.158 min Scan# 923
Delta R.T. -0.012 min
Lab File: 0510_09.D
Acq: 10 May 2021 11:45 am

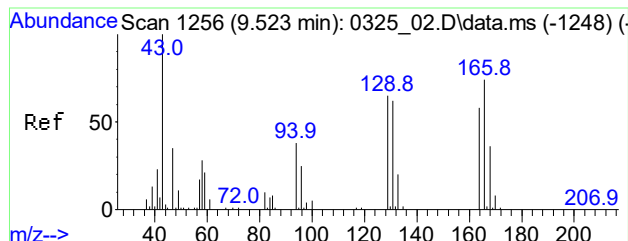
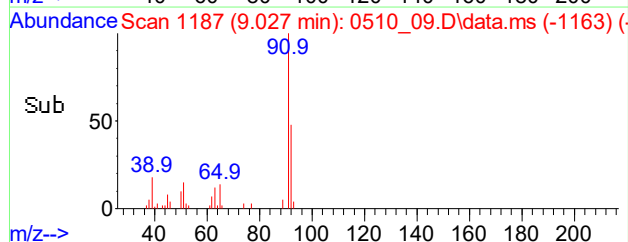
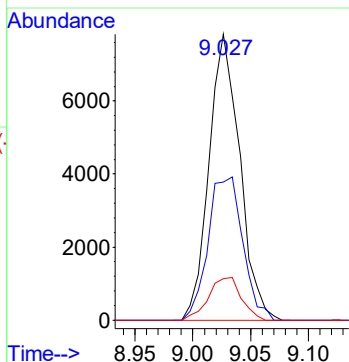
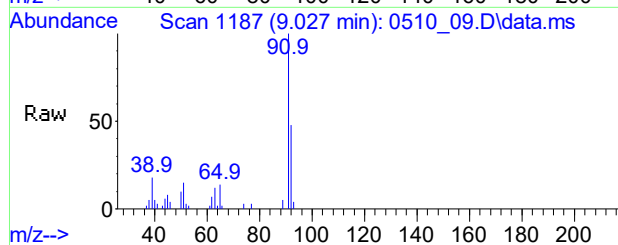
Tgt Ion	Ratio	Lower	Upper
130	100		
132	90.6	87.1	130.7
95	98.9	88.9	133.3





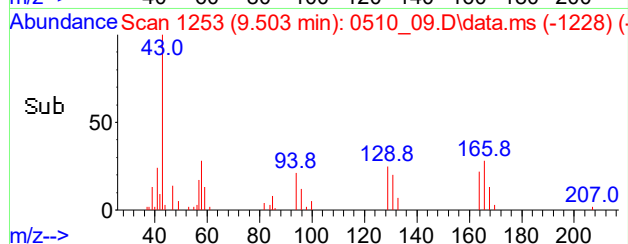
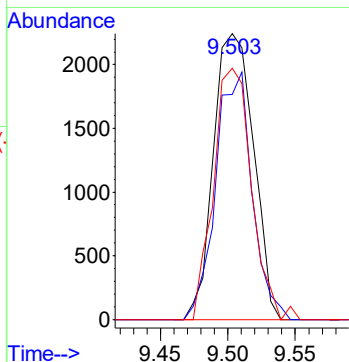
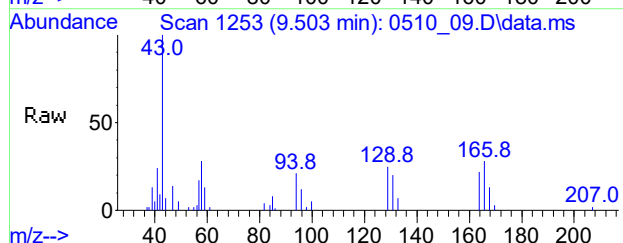
#48
Toluene
Conc: 8\$ 0.367 ppbv
RT: 9.027 min Scan# 1187
Delta R.T. -0.026 min
Lab File: 0510_09.D
Acq: 10 May 2021 11:45 am

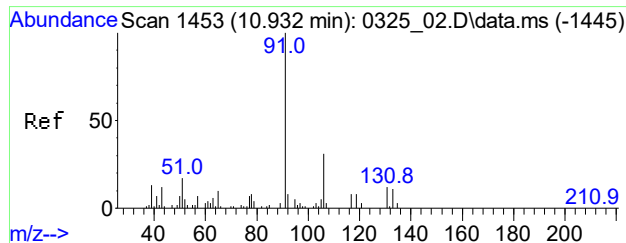
Tgt Ion: 91 Resp: 14292
Ion Ratio Lower Upper
91 100
92 56.6 47.4 71.2
65 15.9 10.2 15.4#



#52
Tetrachloroethene
Conc: 8\$ 0.192 ppbv
RT: 9.503 min Scan# 1253
Delta R.T. -0.020 min
Lab File: 0510_09.D
Acq: 10 May 2021 11:45 am

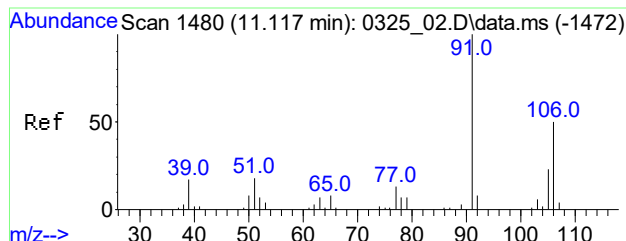
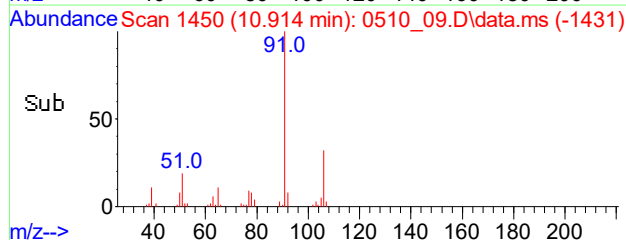
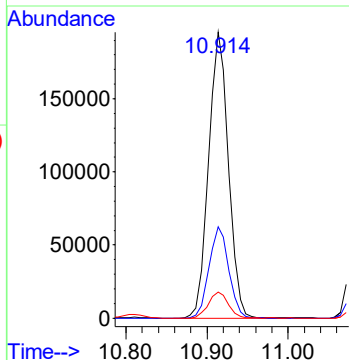
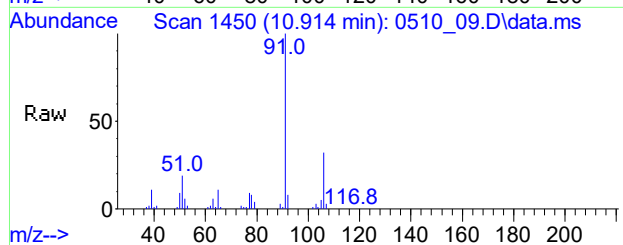
Tgt Ion: 166 Resp: 4636
Ion Ratio Lower Upper
166 100
164 78.5 63.2 94.8
129 83.3 56.9 85.3





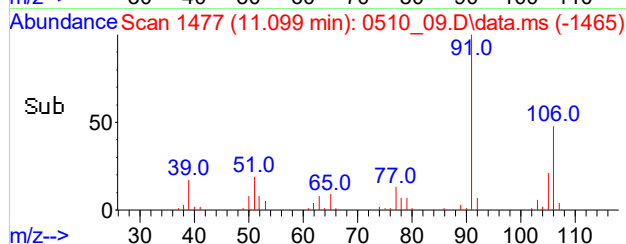
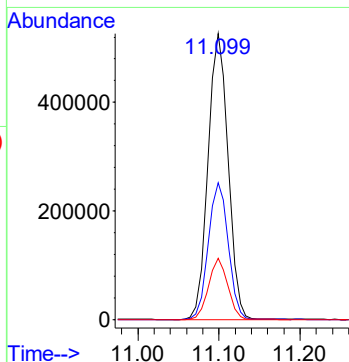
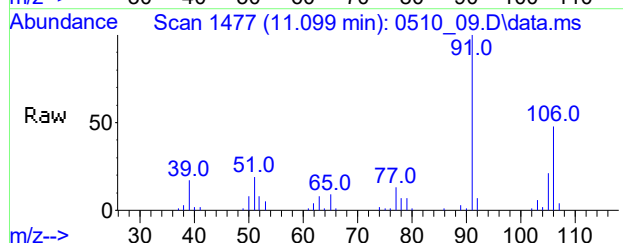
#56
Ethylbenzene
Conc: 8\$ 6.065 ppbv
RT: 10.914 min Scan# 1450
Delta R.T. -0.018 min
Lab File: 0510_09.D
Acq: 10 May 2021 11:45 am

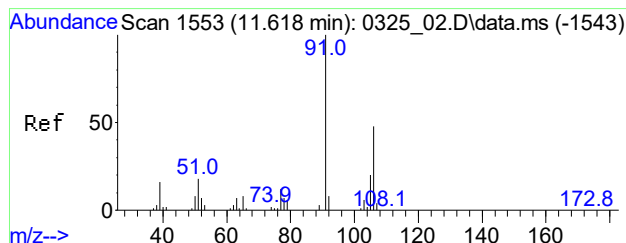
Tgt Ion	Ratio	Lower	Upper
91	100		
106	31.7	17.7	57.7
77	9.1	0.0	32.7



#57
m,p-Xylene
Conc: 8\$ 21.668 ppbv
RT: 11.099 min Scan# 1477
Delta R.T. -0.018 min
Lab File: 0510_09.D
Acq: 10 May 2021 11:45 am

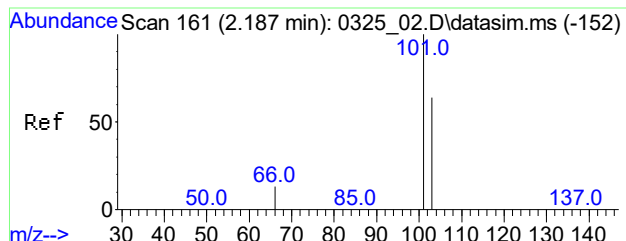
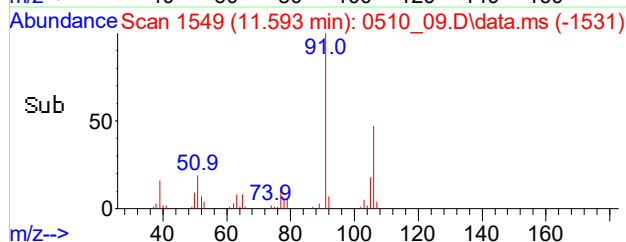
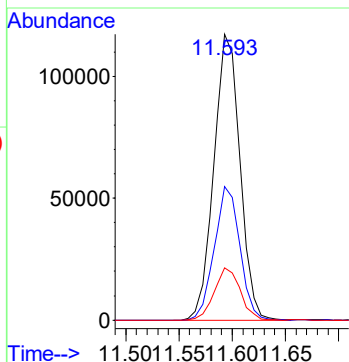
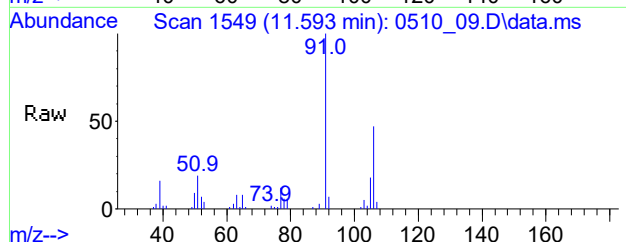
Tgt Ion	Ratio	Lower	Upper
91	100		
106	47.5	39.4	59.2
105	20.5	16.8	25.2





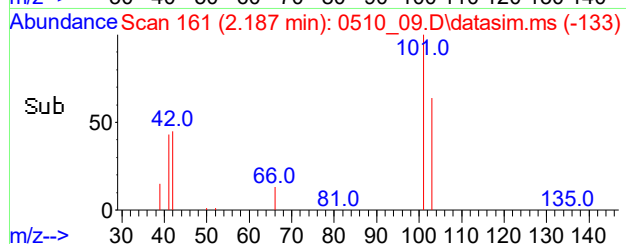
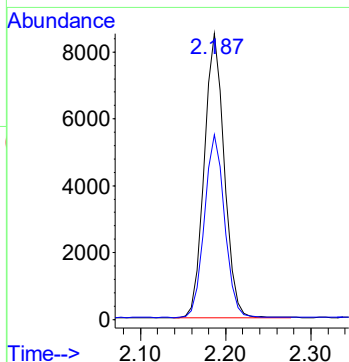
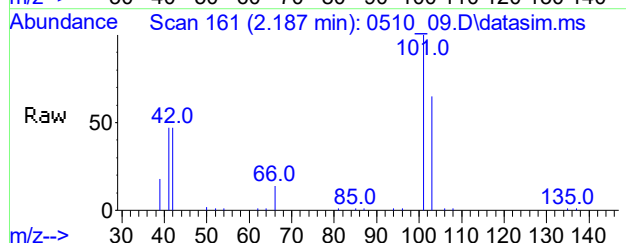
#61
o-Xylene
Conc: 8\$ 4.401 ppbv
RT: 11.593 min Scan# 1549
Delta R.T. -0.025 min
Lab File: 0510_09.D
Acq: 10 May 2021 11:45 am

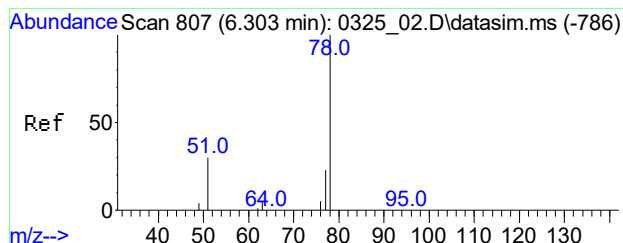
Tgt Ion: 91 Resp: 199084
Ion Ratio Lower Upper
91 100
106 45.8 37.5 56.3
105 18.3 13.5 20.3



#84
Trichlorofluoromethane(sim)
Conc: 8\$ 0.361 ppbv
RT: 2.187 min Scan# 161
Delta R.T. -0.007 min
Lab File: 0510_09.D
Acq: 10 May 2021 11:45 am

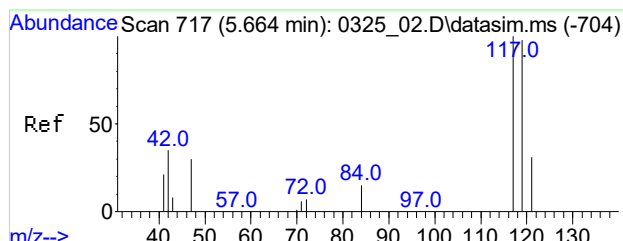
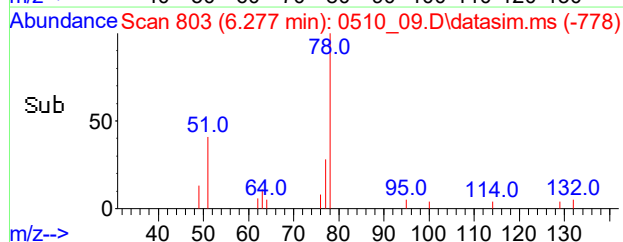
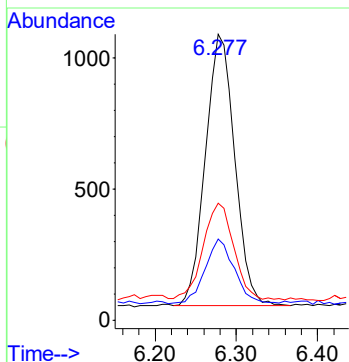
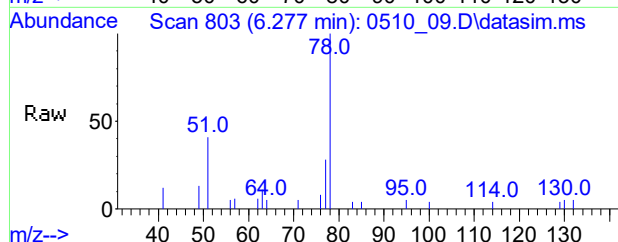
Tgt Ion: 101 Resp: 13956
Ion Ratio Lower Upper
101 100
103 64.9 52.6 78.8





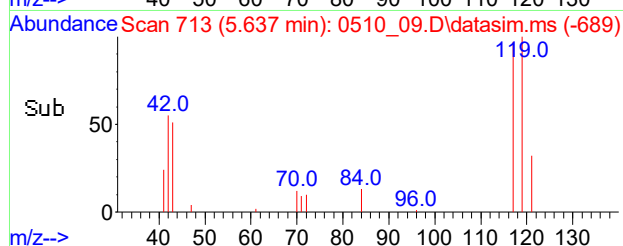
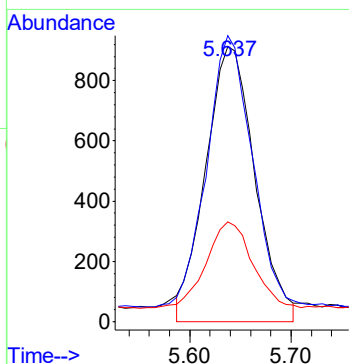
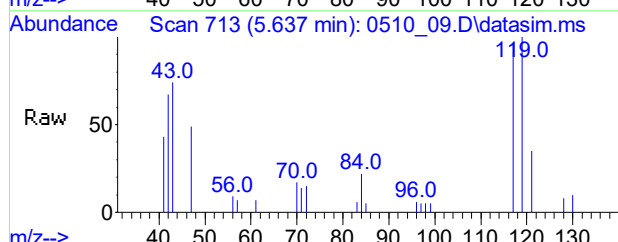
#86
Benzene(sim)
Conc: 8\$ 0.069 ppbv
RT: 6.277 min Scan# 803
Delta R.T. -0.026 min
Lab File: 0510_09.D
Acq: 10 May 2021 11:45 am

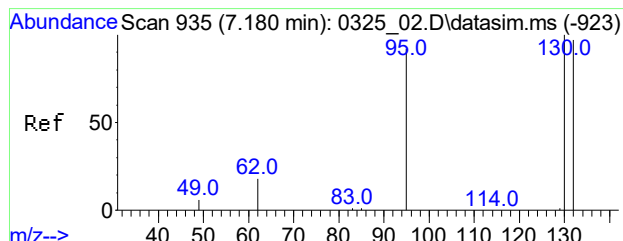
Tgt Ion: 78 Resp: 2583
Ion Ratio Lower Upper
78 100
77 23.1 18.6 28.0
51 37.4 25.4 38.2



#87
Carbon Tetrachloride(sim)
Conc: 8\$ 0.079 ppbv
RT: 5.634 min Scan# 713
Delta R.T. -0.027 min
Lab File: 0510_09.D
Acq: 10 May 2021 11:45 am

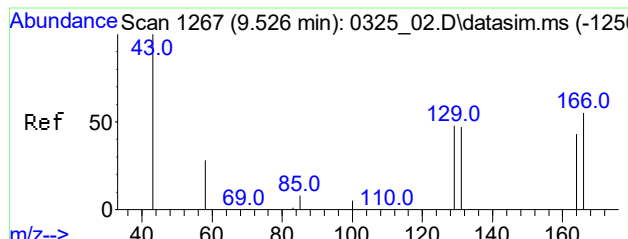
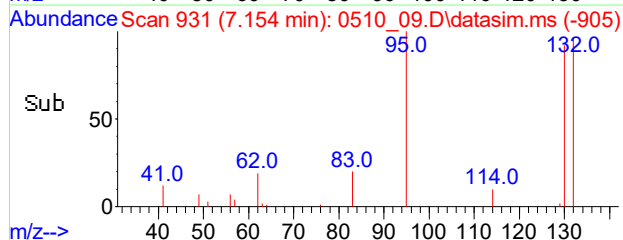
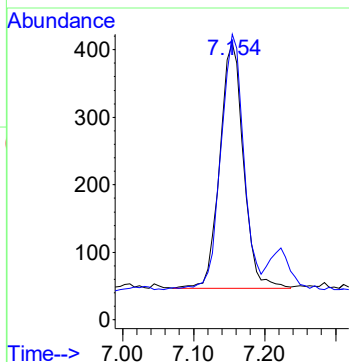
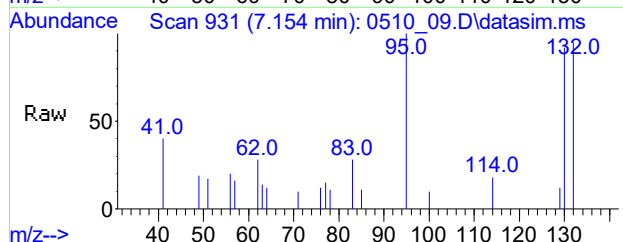
Tgt Ion: 117 Resp: 2683
Ion Ratio Lower Upper
117 100
119 94.4 84.7 127.1
121 23.3 21.1 31.7





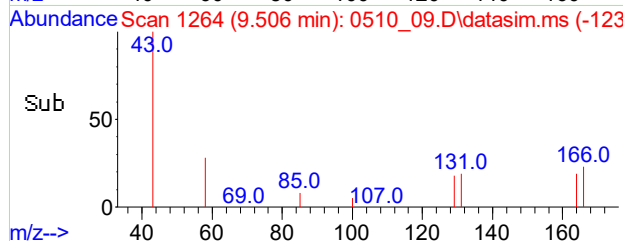
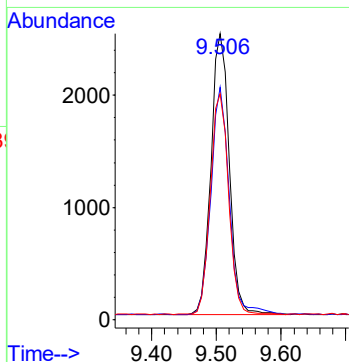
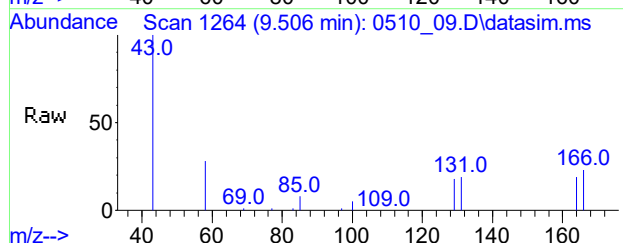
#98
Trichloroethene(sim)
Conc: 8\$ 0.044 ppbv
RT: 7.154 min Scan# 931
Delta R.T. -0.019 min
Lab File: 0510_09.D
Acq: 10 May 2021 11:45 am

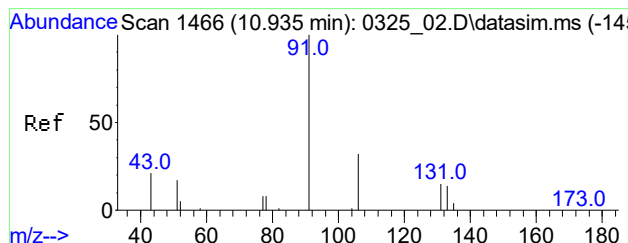
Tgt Ion:130 Resp: 838
Ion Ratio Lower Upper
130 100
132 102.5 80.8 121.2



#104
Tetrachloroethene(sim)
Conc: 8\$ 0.191 ppbv
RT: 9.506 min Scan# 1264
Delta R.T. -0.020 min
Lab File: 0510_09.D
Acq: 10 May 2021 11:45 am

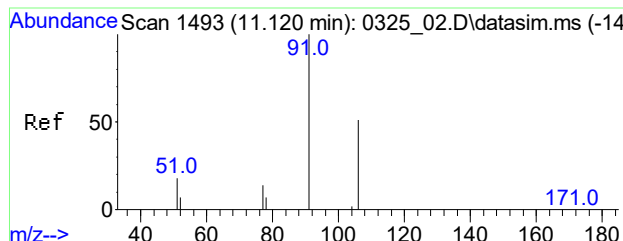
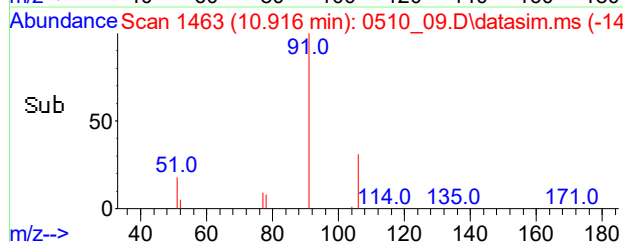
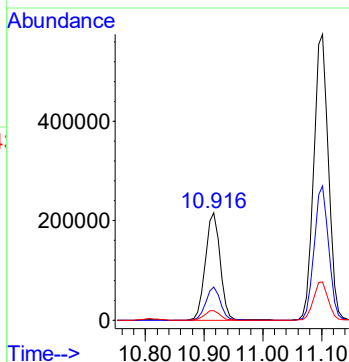
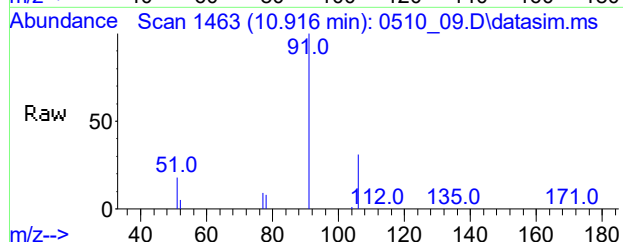
Tgt Ion:166 Resp: 4933
Ion Ratio Lower Upper
166 100
164 80.9 58.0 98.0
129 78.1 54.2 94.2





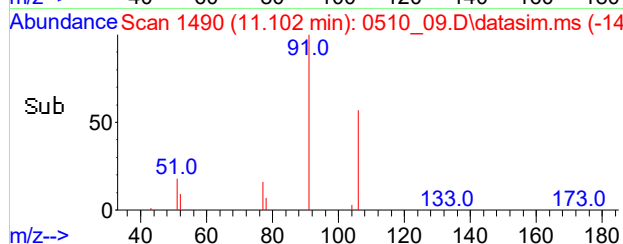
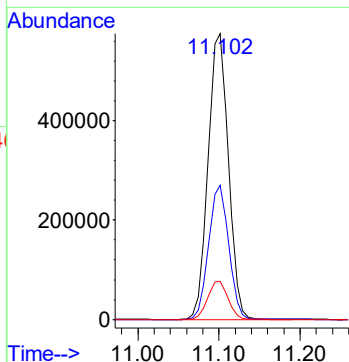
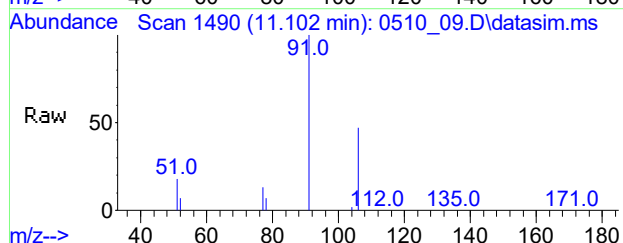
#108
Ethylbenzene(sim)
Conc: 8\$ 5.826 ppb
RT: 10.916 min Scan# 1463
Delta R.T. -0.019 min
Lab File: 0510_09.D
Acq: 10 May 2021 11:45 am

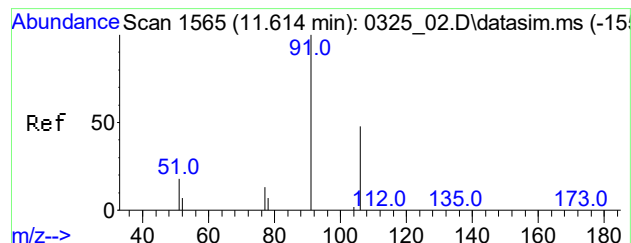
Tgt Ion: 91 Resp: 374408
Ion Ratio Lower Upper
91 100
106 30.3 24.8 37.2
77 9.0 7.5 11.3



#109
m,p-Xylene(sim)
Conc: 8\$ 20.912 ppbv
RT: 11.099 min Scan# 1490
Delta R.T. -0.018 min
Lab File: 0510_09.D
Acq: 10 May 2021 11:45 am

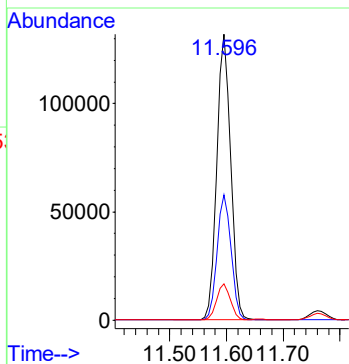
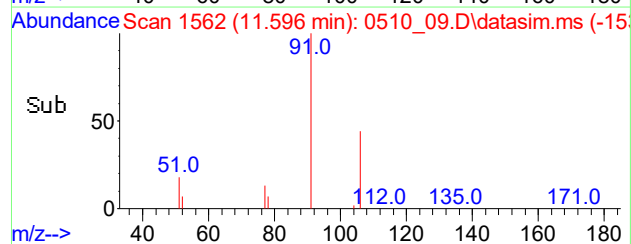
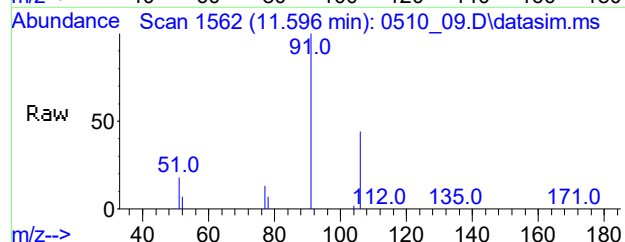
Tgt Ion: 91 Resp: 905336
Ion Ratio Lower Upper
91 100
106 47.5 44.4 54.2
77 13.4 11.7 17.5





#110
o-Xylene(sim)
Conc: 8\$ 4.227 ppb
RT: 11.596 min Scan# 1562
Delta R.T. -0.018 min
Lab File: 0510_09.D
Acq: 10 May 2021 11:45 am

Tgt Ion	Ratio	Lower	Upper
91	100		
106	44.2	36.6	54.8
77	12.7	10.1	15.1



IND CAN CERT 11290

ppbv

R

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

Data Path : H:\AIR2021\CHEM20\04APR\19\
 Data File : 0419_23.D
 Acq On : 20 Apr 2021 2:56 am
 Operator :
 Client ID : IND CAN CERT 11290
 Lab ID : IND CAN CERT 11290
 ALS Vial : 57 Sample Multiplier: 1

Quant Time: Apr 20 08:43:23 2021
 Quant Method : H:\AIR2021\CHEM20\METHODS\20_AIR_0419.M
 Quant Title : VOA Standards for 5 point calibration
 QLast Update : Tue Apr 20 08:39:08 2021
 Response via : Initial Calibration

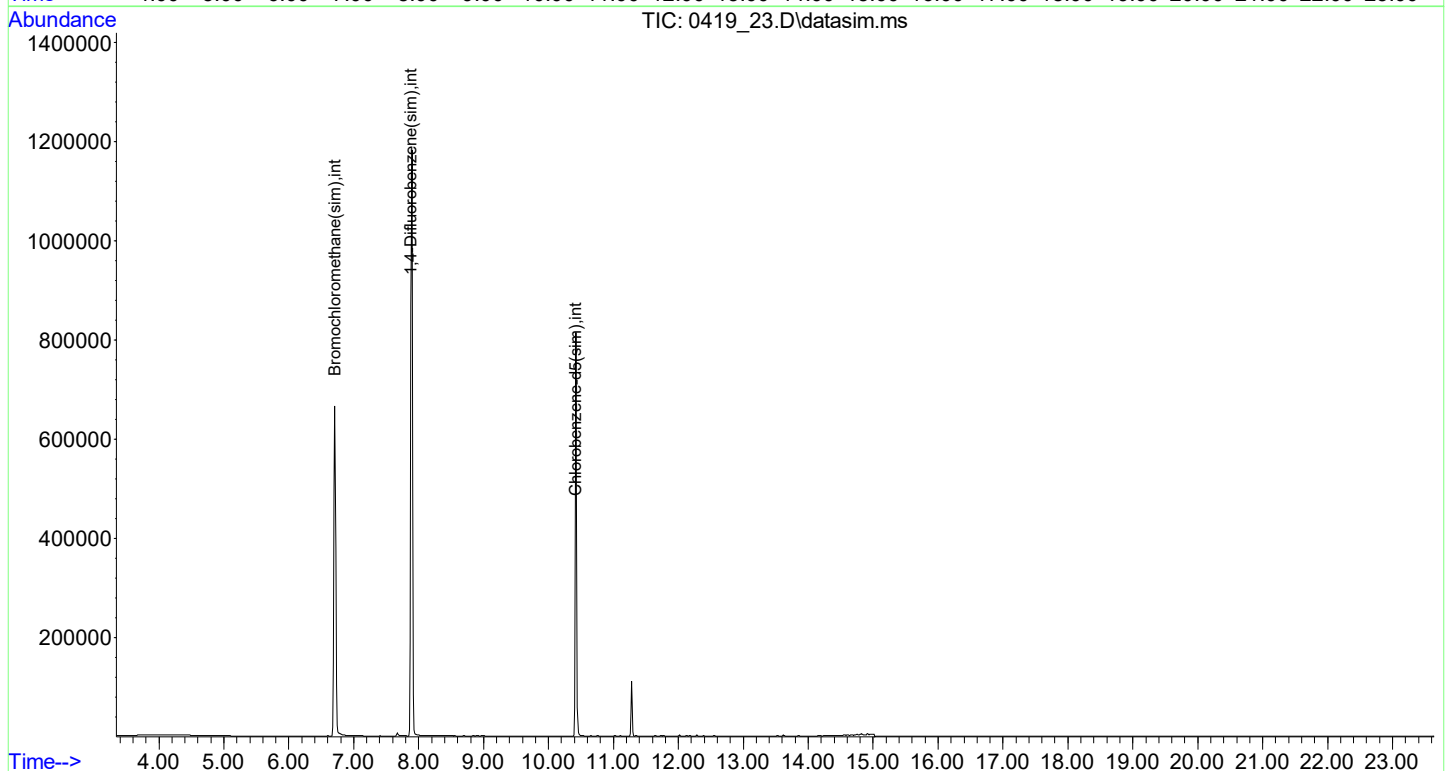
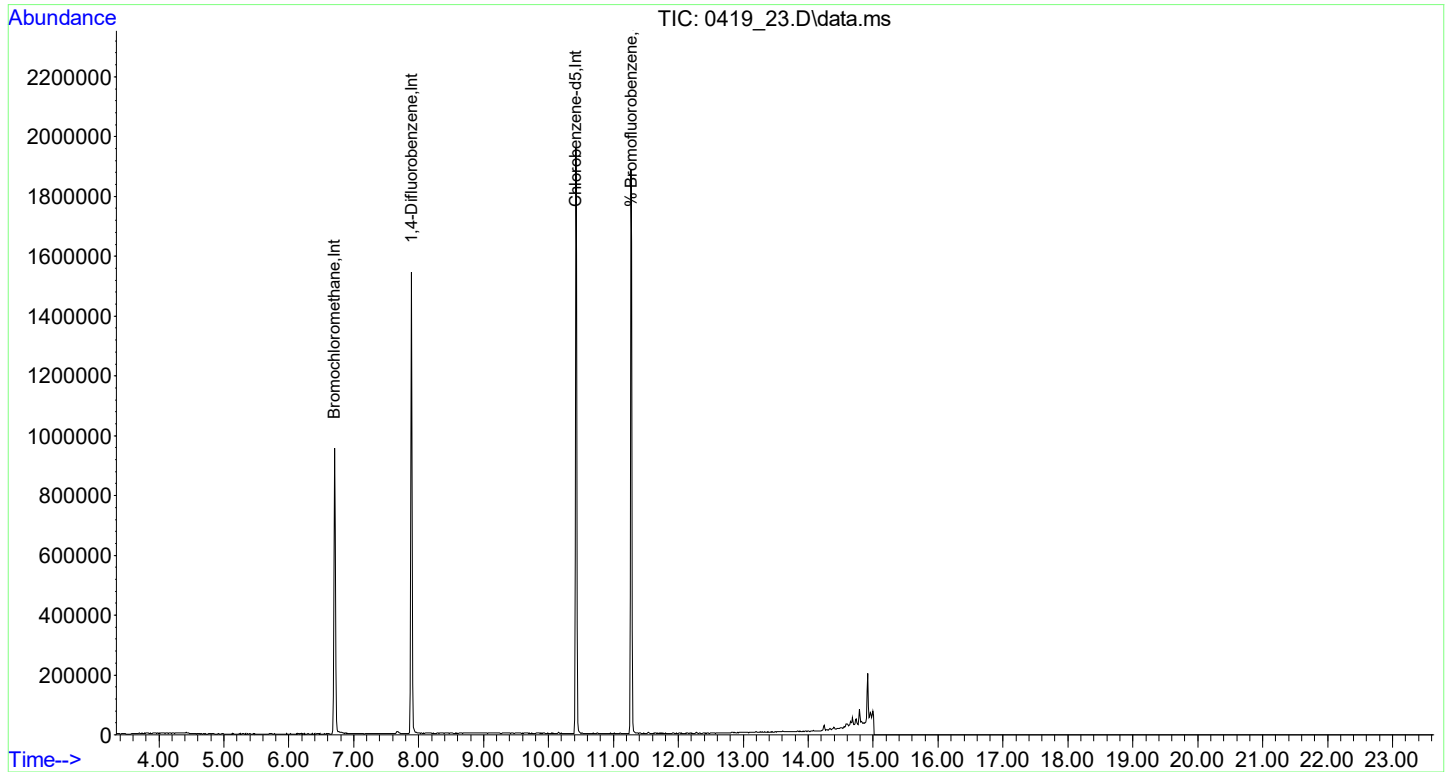
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	6.704	130	304031	10.000	ng	0.00
37) 1,4-Difluorobenzene	7.889	114	1066603	10.000	ng	0.00
54) Chlorobenzene-d5	10.420	82	459386	10.000	ng	0.00
81) Bromochloromethane(sim)	6.710	130	332195	10.000	ng	# 0.00
96) 1,4-Difluorobenzene(sim)	7.889	114	1065255	10.000	ng	0.00
106) Chlorobenzene-d5(sim)	10.420	82	459386	10.000	ng	0.00
System Monitoring Compounds						
63) % Bromofluorobenzene	11.270	95	552652	9.698	ppbv	0.00
Spiked Amount	10.000	Range	70 - 130	Recovery	=	97.00%

Target Compounds	Qvalue

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

Data Path : H:\AIR2021\CHEM20\04APR\19\
Data File : 0419_23.D
Acq On : 20 Apr 2021 2:56 am
Operator :
Client ID : IND CAN CERT 11290
Lab ID : IND CAN CERT 11290
ALS Vial : 57 Sample Multiplier: 1

Quant Time: Apr 20 08:43:23 2021
Quant Method : H:\AIR2021\CHEM20\METHODS\20_AIR_0419.M
Quant Title : VOA Standards for 5 point calibration
QLast Update : Tue Apr 20 08:39:08 2021
Response via : Initial Calibration



Data Path : H:\AIR2021\CHEM20\03MAR\05\
 Data File : 0305_13.D
 Acq On : 5 Mar 2021 6:35 pm
 Operator :
 Client ID : IND CAN CERT 12859
 Lab ID : IND CAN CERT 12859
 ALS Vial : 12 Sample Multiplier: 1

Quant Time: Mar 08 10:01:14 2021
 Quant Method : H:\AIR2021\CHEM20\METHODS\20_AIR_0226.M
 Quant Title : VOA Standards for 5 point calibration
 QLast Update : Mon Mar 01 08:40:43 2021
 Response via : Initial Calibration

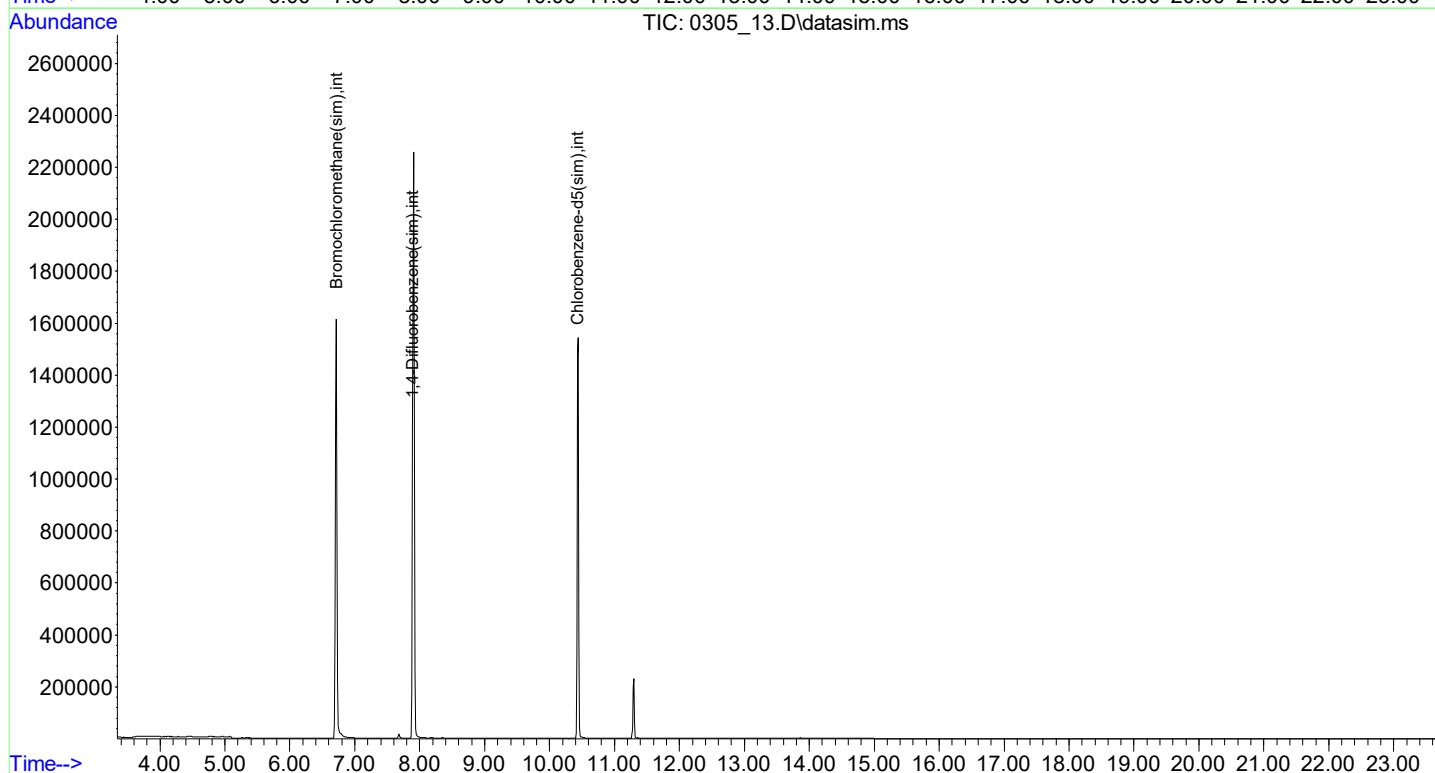
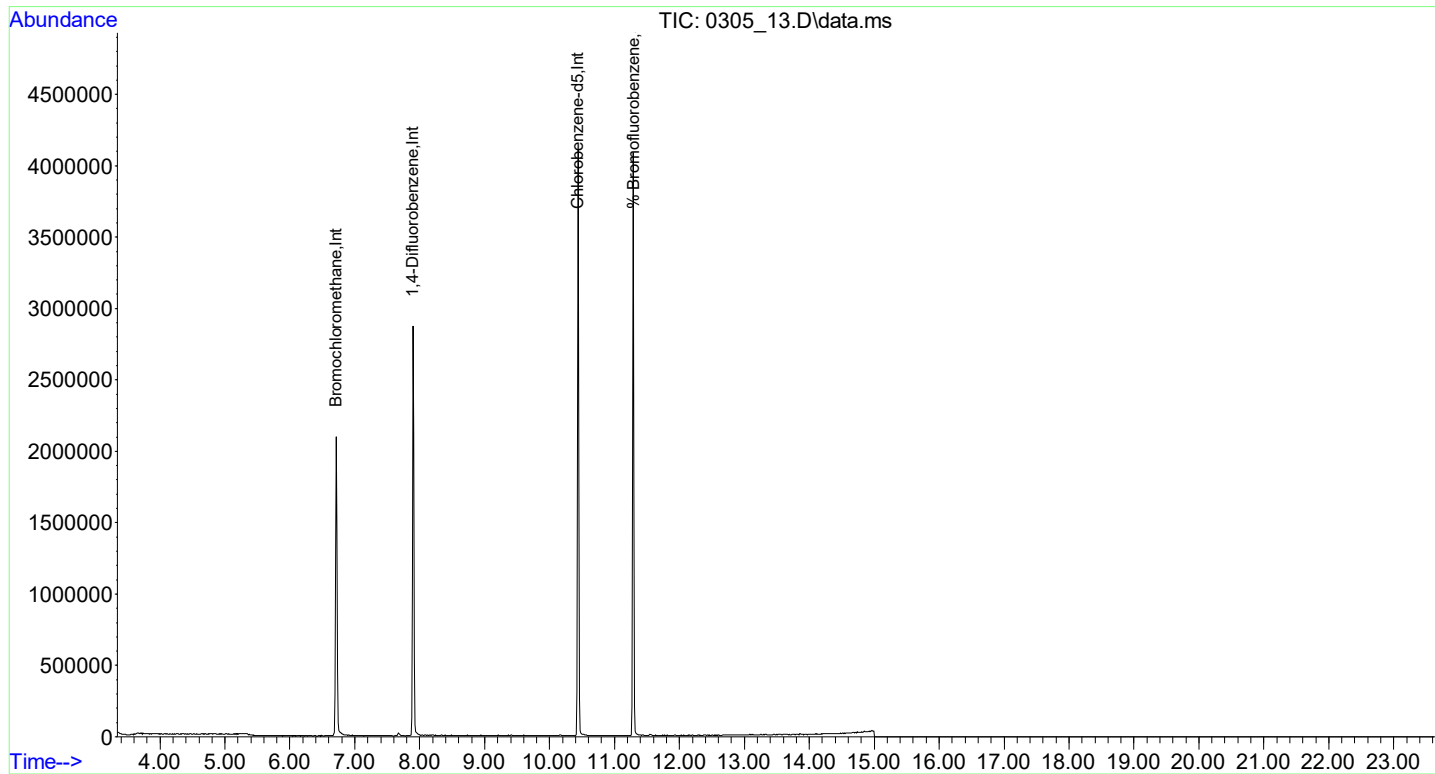
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	6.712	130	482705	10.000	ng	-0.01
37) 1,4-Difluorobenzene	7.897	114	1763873	10.000	ng	-0.01
54) Chlorobenzene-d5	10.438	82	826982	10.000	ng	0.00
81) Bromochloromethane(sim)	6.717	130	554252	10.000	ng	# 0.00
96) 1,4-Difluorobenzene(sim)	7.897	114	1763873	10.000	ng	-0.01
106) Chlorobenzene-d5(sim)	10.438	82	826982	10.000	ng	0.00
System Monitoring Compounds						
63) % Bromofluorobenzene	11.288	95	937099	9.640	ppbv	0.00
Spiked Amount	10.000	Range	70 - 130	Recovery	=	96.40%

Target Compounds	Qvalue

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

Data Path : H:\AIR2021\CHEM20\03MAR\05\
Data File : 0305_13.D
Acq On : 5 Mar 2021 6:35 pm
Operator :
Client ID : IND CAN CERT 12859
Lab ID : IND CAN CERT 12859
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Mar 08 10:01:14 2021
Quant Method : H:\AIR2021\CHEM20\METHODS\20_AIR_0226.M
Quant Title : VOA Standards for 5 point calibration
QLast Update : Mon Mar 01 08:40:43 2021
Response via : Initial Calibration



Dilution Factor: 1

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Data Path : H:\AIR2021\CHEM20\04APR\19\
 Data File : 0419_27.D
 Acq On : 20 Apr 2021 5:32 am
 Operator :
 Client ID : IND CAN CERT 12872
 Lab ID : IND CAN CERT 12872
 ALS Vial : 61 Sample Multiplier: 1

Quant Time: Apr 20 08:43:58 2021
 Quant Method : H:\AIR2021\CHEM20\METHODS\20_AIR_0419.M
 Quant Title : VOA Standards for 5 point calibration
 QLast Update : Tue Apr 20 08:39:08 2021
 Response via : Initial Calibration

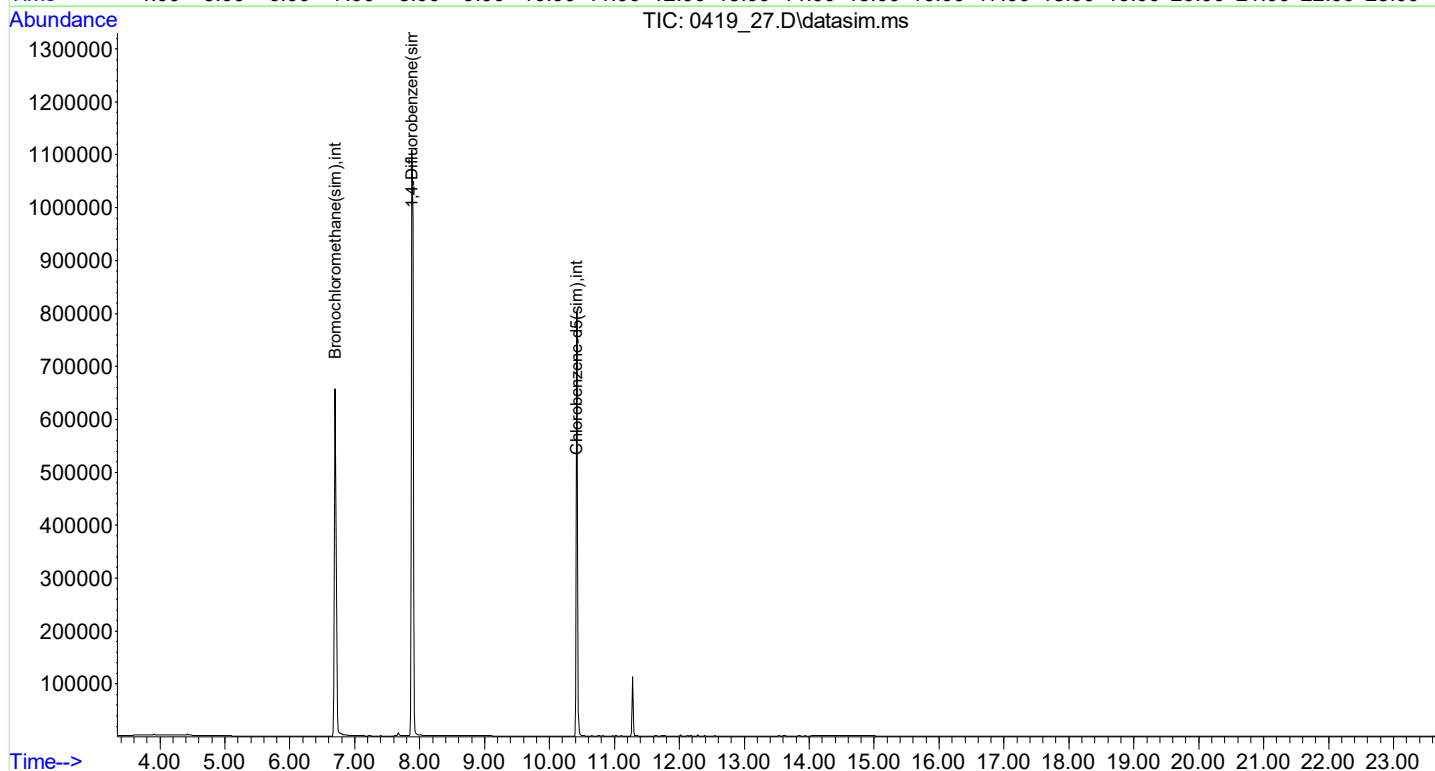
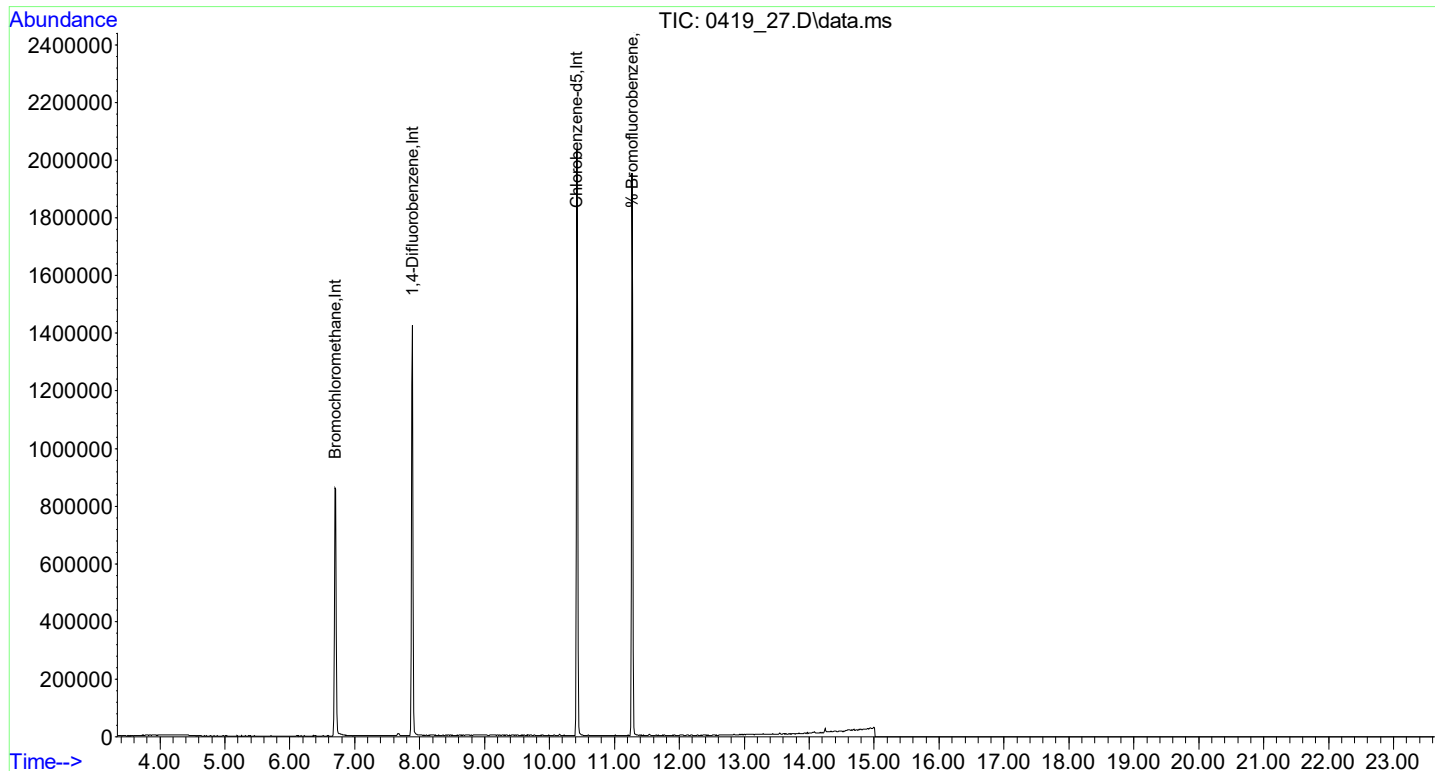
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	6.704	130	304482	10.000	ng	0.00
37) 1,4-Difluorobenzene	7.889	114	1073305	10.000	ng	0.00
54) Chlorobenzene-d5	10.420	82	460173	10.000	ng	0.00
81) Bromochloromethane(sim)	6.699	130	330933	10.000	ng	#-0.01
96) 1,4-Difluorobenzene(sim)	7.889	114	1073305	10.000	ng	0.00
106) Chlorobenzene-d5(sim)	10.420	82	460173	10.000	ng	0.00
System Monitoring Compounds						
63) % Bromofluorobenzene	11.270	95	548743	9.613	ppbv	0.00
Spiked Amount	10.000	Range	70 - 130	Recovery	=	96.10%

Target Compounds	Qvalue

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

Data Path : H:\AIR2021\CHEM20\04APR\19\
Data File : 0419_27.D
Acq On : 20 Apr 2021 5:32 am
Operator :
Client ID : IND CAN CERT 12872
Lab ID : IND CAN CERT 12872
ALS Vial : 61 Sample Multiplier: 1

Quant Time: Apr 20 08:43:58 2021
Quant Method : H:\AIR2021\CHEM20\METHODS\20_AIR_0419.M
Quant Title : VOA Standards for 5 point calibration
QLast Update : Tue Apr 20 08:39:08 2021
Response via : Initial Calibration



Client:	WALDENE-IPARK	Lab:	Phoenix Env. Labs
SDG No.:	GCI26486	Lab Sample ID:	IND CAN CERT 13645
Canister:	CANBL	Lab File ID:	0419_33.D
Instrument:	CHEM20	Column:	
Purge Volume	200 (cc)	Date Analyzed:	04/20/21
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:\AIR2021\CHEM20\04APR\19\
 Data File : 0419_33.D
 Acq On : 20 Apr 2021 9:25 am
 Operator :
 Client ID : IND CAN CERT 13645
 Lab ID : IND CAN CERT 13645
 ALS Vial : 67 Sample Multiplier: 1

Quant Time: Apr 20 10:39:45 2021
 Quant Method : H:\AIR2021\CHEM20\METHODS\20_AIR_0419.M
 Quant Title : VOA Standards for 5 point calibration
 QLast Update : Tue Apr 20 08:39:08 2021
 Response via : Initial Calibration

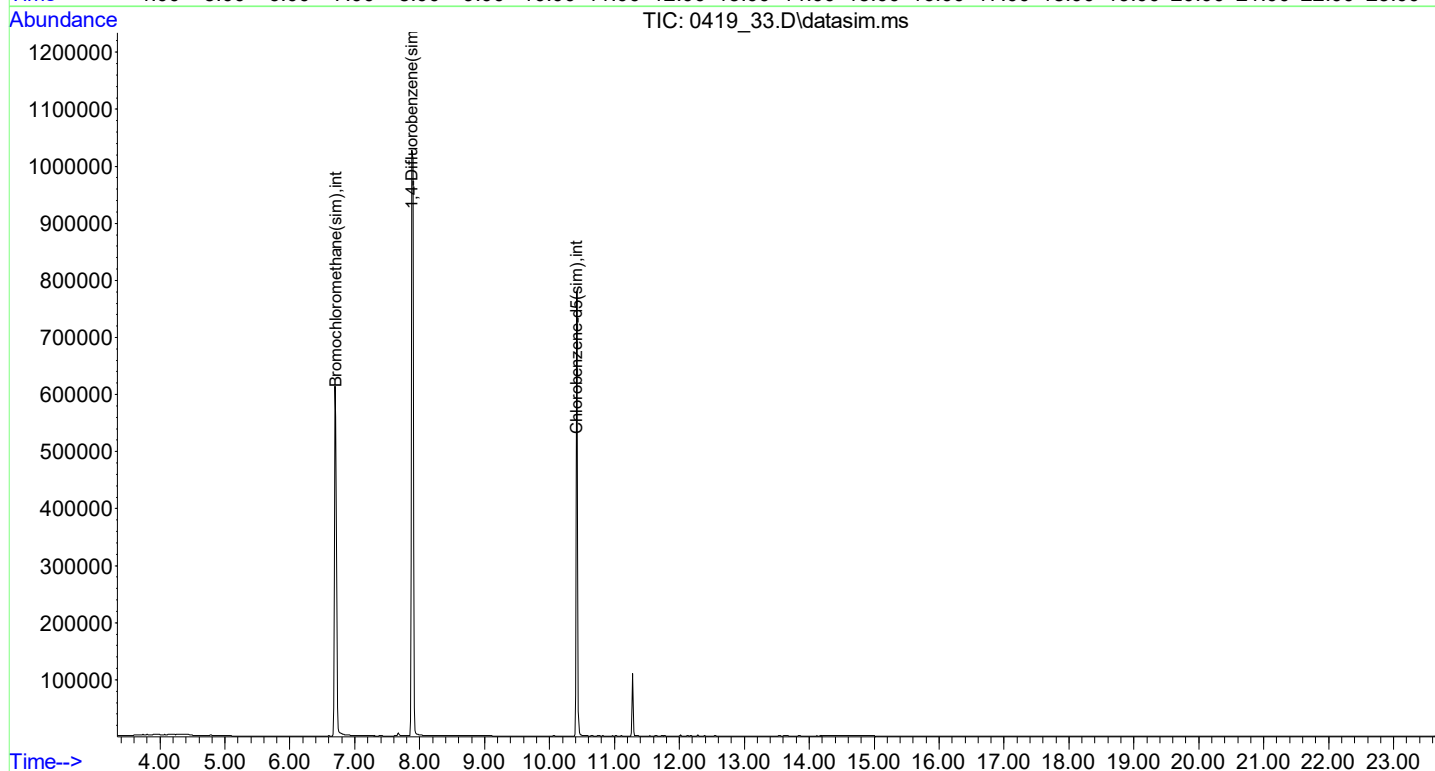
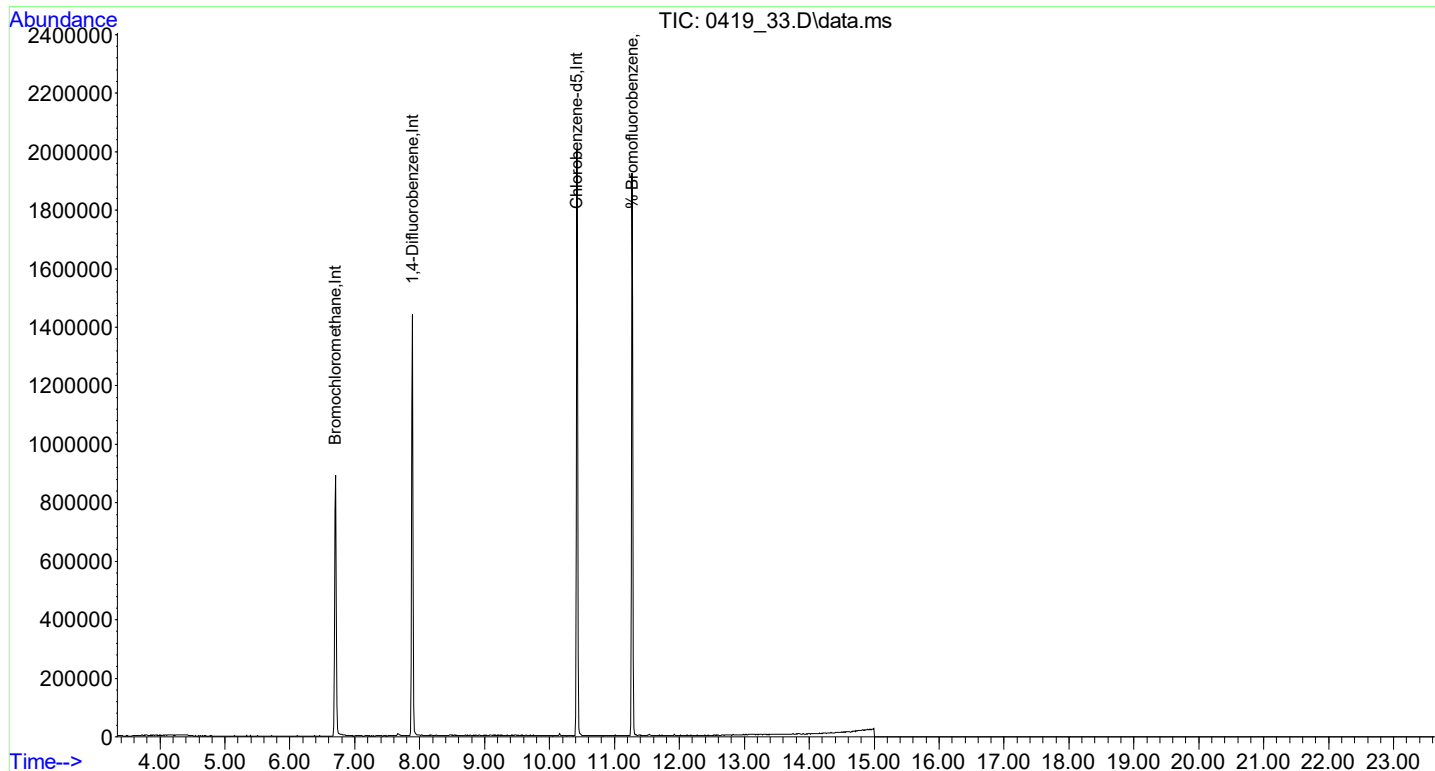
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	6.704	130	295996	10.000	ng	0.00
37) 1,4-Difluorobenzene	7.889	114	1045162	10.000	ng	0.00
54) Chlorobenzene-d5	10.420	82	448834	10.000	ng	0.00
81) Bromochloromethane(sim)	6.710	130	324131	10.000	ng	# 0.00
96) 1,4-Difluorobenzene(sim)	7.889	114	1044571	10.000	ng	0.00
106) Chlorobenzene-d5(sim)	10.420	82	448834	10.000	ng	0.00
System Monitoring Compounds						
63) % Bromofluorobenzene	11.270	95	535497	9.618	ppbv	0.00
Spiked Amount	10.000	Range	70 - 130	Recovery	=	96.20%

Target Compounds	Qvalue

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

Data Path : H:\AIR2021\CHEM20\04APR\19\
Data File : 0419_33.D
Acq On : 20 Apr 2021 9:25 am
Operator :
Client ID : IND CAN CERT 13645
Lab ID : IND CAN CERT 13645
ALS Vial : 67 Sample Multiplier: 1

Quant Time: Apr 20 10:39:45 2021
Quant Method : H:\AIR2021\CHEM20\METHODS\20_AIR_0419.M
Quant Title : VOA Standards for 5 point calibration
QLast Update : Tue Apr 20 08:39:08 2021
Response via : Initial Calibration



Client: WALDENE-IPARK Lab: Phoenix Env. Labs

SDG No.: GCI26486 Lab Sample ID: IND CAN CERT 19634

Instrument: CHEM20 Column: Date Received:

Matrix: AIR Dilution Factor: 1

CONCENTRATION UNITS: (ppbv or ug/m3) ppbv

FORM I AIR

07/08/2021

Data Path : H:\AIR2021\CHEM20\03MAR\31\
 Data File : 0331_20.D
 Acq On : 31 Mar 2021 9:43 pm
 Operator :
 Client ID : IND CAN CERT 19634
 Lab ID : IND CAN CERT 19634
 ALS Vial : 20 Sample Multiplier: 1

Quant Time: Apr 01 08:22:38 2021
 Quant Method : H:\AIR2021\CHEM20\METHODS\20_AIR_0329.M
 Quant Title : VOA Standards for 5 point calibration
 QLast Update : Mon Mar 29 13:12:48 2021
 Response via : Initial Calibration

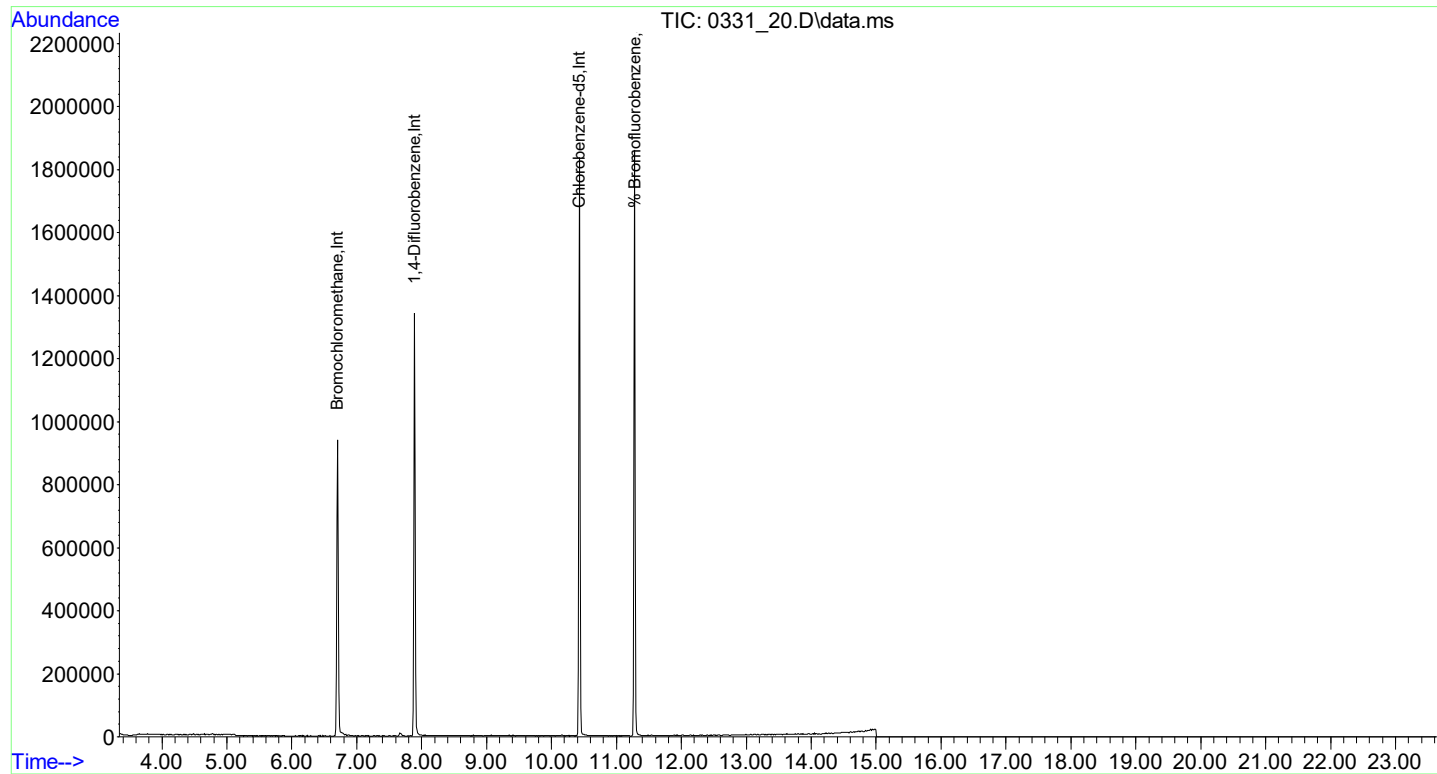
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	6.704	130	203033	10.000	ng	0.00
37) 1,4-Difluorobenzene	7.889	114	741225	10.000	ng	0.00
54) Chlorobenzene-d5	10.430	82	376751	10.000	ng	0.00
81) Bromochloromethane(sim)	6.710	130	231151	10.000	ng	# 0.00
96) 1,4-Difluorobenzene(sim)	7.889	114	740256	10.000	ng	0.00
106) Chlorobenzene-d5(sim)	10.430	82	376751	10.000	ng	0.00
System Monitoring Compounds						
63) % Bromofluorobenzene	11.281	95	431751	9.724	ppbv	0.00
Spiked Amount	10.000	Range	70 - 130	Recovery	=	97.20%

Target Compounds	Qvalue

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

Data Path : H:\AIR2021\CHEM20\03MAR\31\
Data File : 0331_20.D
Acq On : 31 Mar 2021 9:43 pm
Operator :
Client ID : IND CAN CERT 19634
Lab ID : IND CAN CERT 19634
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Apr 01 08:22:38 2021
Quant Method : H:\AIR2021\CHEM20\METHODS\20_AIR_0329.M
Quant Title : VOA Standards for 5 point calibration
QLast Update : Mon Mar 29 13:12:48 2021
Response via : Initial Calibration



Client:	WALDENE-IPARK	Lab:	Phoenix Env. Labs
SDG No.:	GCI26486	Lab Sample ID:	IND CAN CERT 19786
Canister:	CANBL	Lab File ID:	0419_30.D
Instrument:	CHEM20	Column:	
Purge Volume	200 (cc)	Date Analyzed:	04/20/21
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:\AIR2021\CHEM20\04APR\19\
 Data File : 0419_30.D
 Acq On : 20 Apr 2021 7:29 am
 Operator :
 Client ID : IND CAN CERT 19786
 Lab ID : IND CAN CERT 19786
 ALS Vial : 64 Sample Multiplier: 1

Quant Time: Apr 20 08:45:27 2021
 Quant Method : H:\AIR2021\CHEM20\METHODS\20_AIR_0419.M
 Quant Title : VOA Standards for 5 point calibration
 QLast Update : Tue Apr 20 08:39:08 2021
 Response via : Initial Calibration

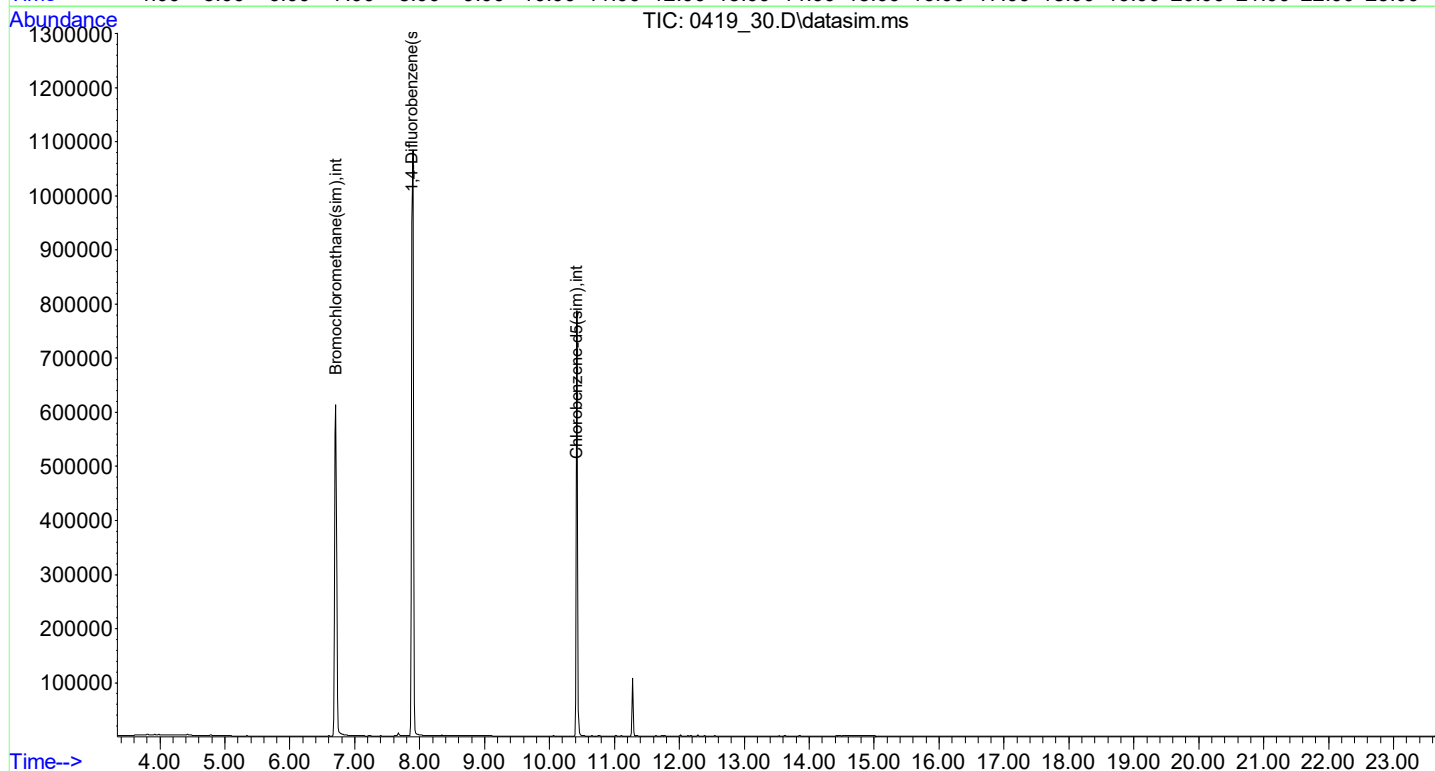
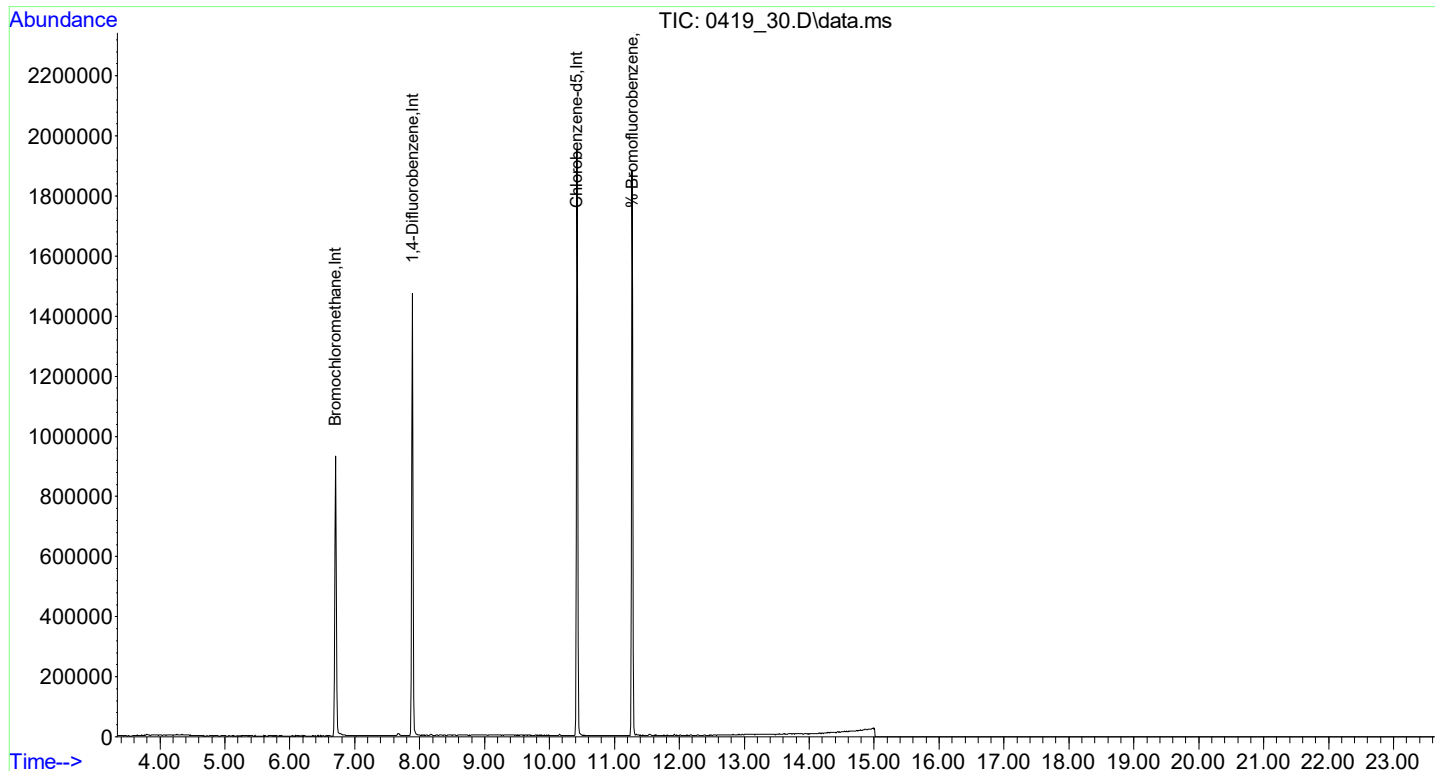
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	6.704	130	297773	10.000	ng	0.00
37) 1,4-Difluorobenzene	7.889	114	1049678	10.000	ng	0.00
54) Chlorobenzene-d5	10.420	82	444573	10.000	ng	0.00
81) Bromochloromethane(sim)	6.710	130	324651	10.000	ng	# 0.00
96) 1,4-Difluorobenzene(sim)	7.889	114	1048230	10.000	ng	0.00
106) Chlorobenzene-d5(sim)	10.420	82	444573	10.000	ng	0.00
System Monitoring Compounds						
63) % Bromofluorobenzene	11.271	95	535241	9.705	ppbv	0.00
Spiked Amount	10.000	Range	70 - 130	Recovery	=	97.10%

Target Compounds	Qvalue

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

Data Path : H:\AIR2021\CHEM20\04APR\19\
Data File : 0419_30.D
Acq On : 20 Apr 2021 7:29 am
Operator :
Client ID : IND CAN CERT 19786
Lab ID : IND CAN CERT 19786
ALS Vial : 64 Sample Multiplier: 1

Quant Time: Apr 20 08:45:27 2021
Quant Method : H:\AIR2021\CHEM20\METHODS\20_AIR_0419.M
Quant Title : VOA Standards for 5 point calibration
QLast Update : Tue Apr 20 08:39:08 2021
Response via : Initial Calibration



Client:	WALDENE-IPARK	Lab:	Phoenix Env. Labs
SDG No.:	GCI26486	Lab Sample ID:	IND CAN CERT 19816
Canister:	CANBL	Lab File ID:	0420_14.D
Instrument:	CHEM20	Column:	
Purge Volume	200 (cc)	Date Analyzed:	04/21/21
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:\AIR2021\CHEM20\04APR\19\
 Data File : 0420_14.D
 Acq On : 21 Apr 2021 9:23 am
 Operator :
 Client ID : IND CAN CERT 19816
 Lab ID : IND CAN CERT 19816
 ALS Vial : 94 Sample Multiplier: 1

Quant Time: Apr 21 10:41:28 2021
 Quant Method : H:\AIR2021\CHEM20\METHODS\20_AIR_0419.M
 Quant Title : VOA Standards for 5 point calibration
 QLast Update : Tue Apr 20 08:39:08 2021
 Response via : Initial Calibration

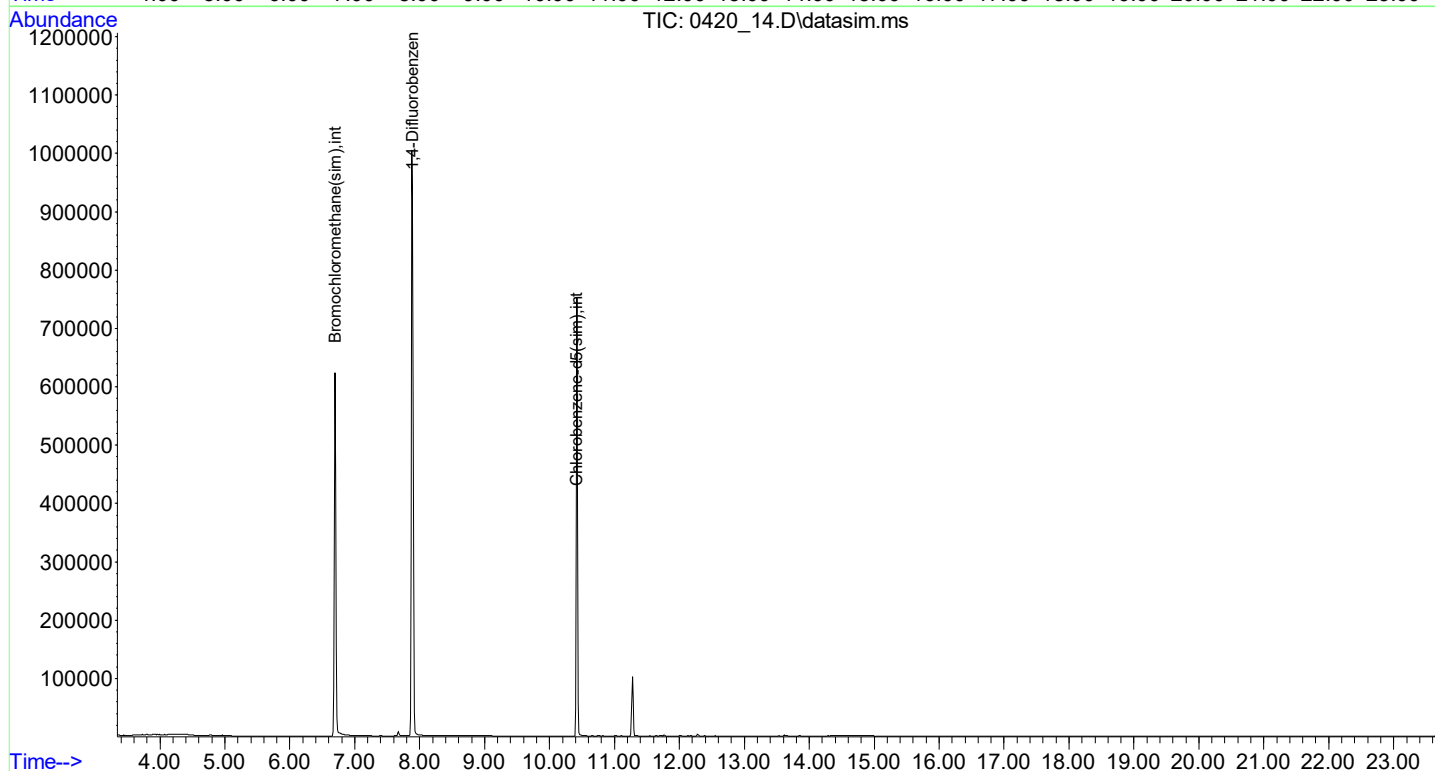
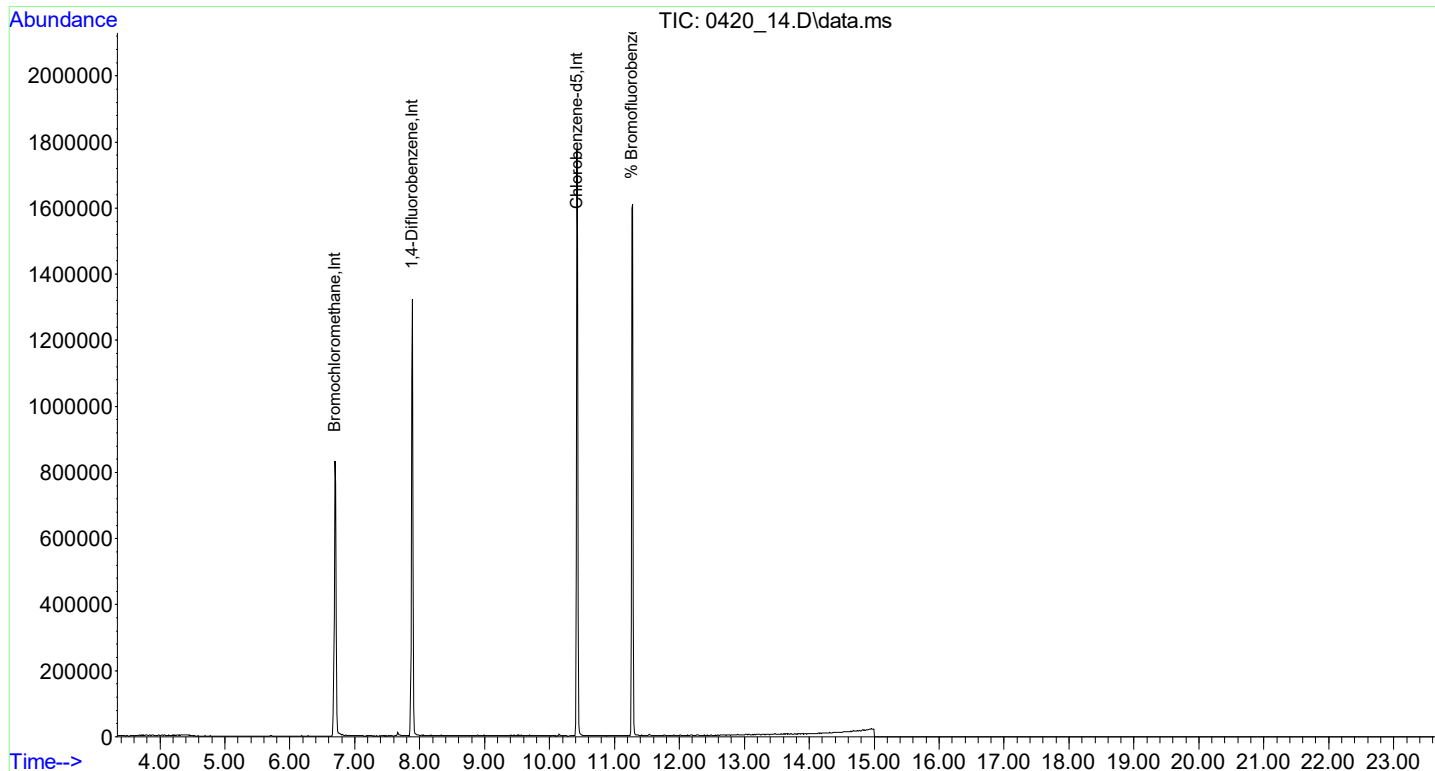
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	6.691	130	275609	10.000	ng	-0.01
37) 1,4-Difluorobenzene	7.886	114	984958	10.000	ng	0.00
54) Chlorobenzene-d5	10.417	82	413895	10.000	ng	0.00
81) Bromochloromethane(sim)	6.697	130	305403	10.000	ng	#-0.01
96) 1,4-Difluorobenzene(sim)	7.886	114	983947	10.000	ng	0.00
106) Chlorobenzene-d5(sim)	10.417	82	414302	10.000	ng	0.00
System Monitoring Compounds						
63) % Bromofluorobenzene	11.268	95	501254	9.763	ppbv	0.00
Spiked Amount	10.000	Range	70 - 130	Recovery	=	97.60%

Target Compounds	Qvalue

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

Data Path : H:\AIR2021\CHEM20\04APR\19\
Data File : 0420_14.D
Acq On : 21 Apr 2021 9:23 am
Operator :
Client ID : IND CAN CERT 19816
Lab ID : IND CAN CERT 19816
ALS Vial : 94 Sample Multiplier: 1

Quant Time: Apr 21 10:41:28 2021
Quant Method : H:\AIR2021\CHEM20\METHODS\20_AIR_0419.M
Quant Title : VOA Standards for 5 point calibration
QLast Update : Tue Apr 20 08:39:08 2021
Response via : Initial Calibration



Dilution Factor: 1

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Data Path : H:\AIR2021\CHEM20\04APR\19\
 Data File : 0419_26.D
 Acq On : 20 Apr 2021 4:53 am
 Operator :
 Client ID : IND CAN CERT 23329
 Lab ID : IND CAN CERT 23329
 ALS Vial : 60 Sample Multiplier: 1

Quant Time: Apr 20 08:43:50 2021
 Quant Method : H:\AIR2021\CHEM20\METHODS\20_AIR_0419.M
 Quant Title : VOA Standards for 5 point calibration
 QLast Update : Tue Apr 20 08:39:08 2021
 Response via : Initial Calibration

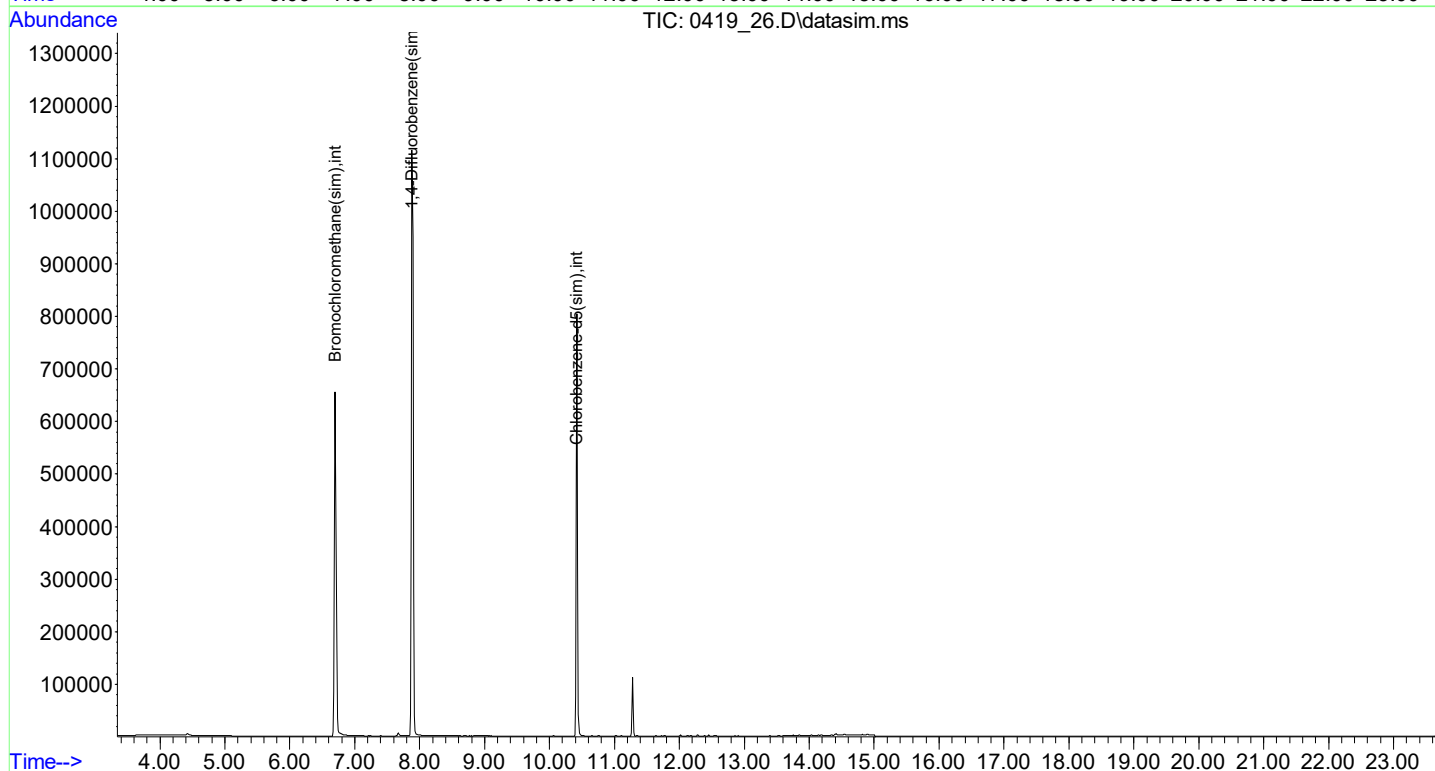
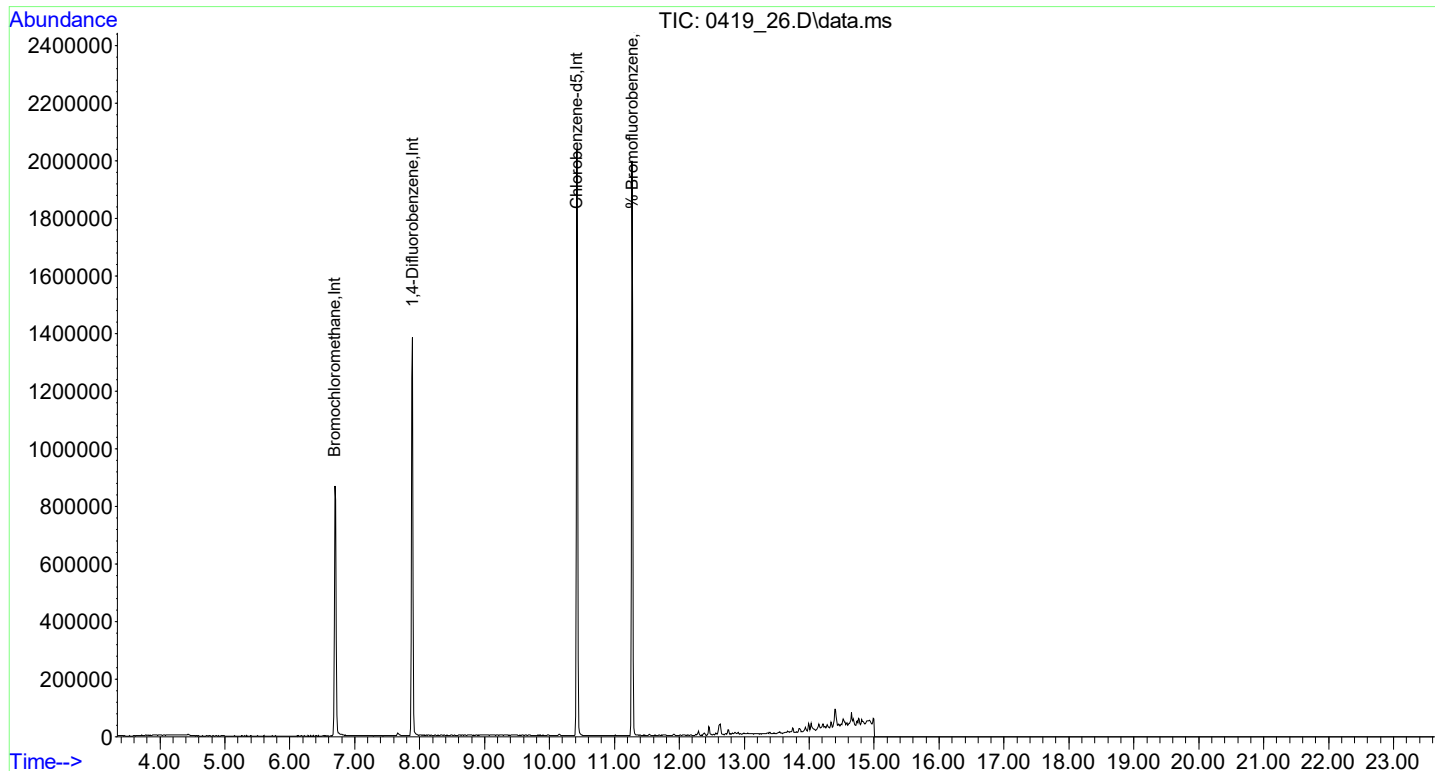
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	6.694	130	298764	10.000	ng	-0.01
37) 1,4-Difluorobenzene	7.889	114	1071984	10.000	ng	0.00
54) Chlorobenzene-d5	10.420	82	461828	10.000	ng	0.00
81) Bromochloromethane(sim)	6.699	130	329099	10.000	ng	#-0.01
96) 1,4-Difluorobenzene(sim)	7.889	114	1070746	10.000	ng	0.00
106) Chlorobenzene-d5(sim)	10.420	82	462597	10.000	ng	0.00
System Monitoring Compounds						
63) % Bromofluorobenzene	11.271	95	552289	9.640	ppbv	0.00
Spiked Amount	10.000	Range	70 - 130	Recovery	=	96.40%

Target Compounds	Qvalue

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

Data Path : H:\AIR2021\CHEM20\04APR\19\
Data File : 0419_26.D
Acq On : 20 Apr 2021 4:53 am
Operator :
Client ID : IND CAN CERT 23329
Lab ID : IND CAN CERT 23329
ALS Vial : 60 Sample Multiplier: 1

Quant Time: Apr 20 08:43:50 2021
Quant Method : H:\AIR2021\CHEM20\METHODS\20_AIR_0419.M
Quant Title : VOA Standards for 5 point calibration
QLast Update : Tue Apr 20 08:39:08 2021
Response via : Initial Calibration



Client: WALDENE-IPARK Lab: Phoenix Env. Labs

SDG No.: GCI26486 Lab Sample ID: IND CAN CERT 28595

Canister: CANBL Lab File ID: 0419 21.D

Instrument: CHEM20 Column: Date Received:

Purge Volume	200	(cc)	Date Analyzed:	04/20/21

Matrix: AIR Dilution Factor: 1

CONCENTRATION UNITS: (ppbv or ug/m3) ppbv

FORM I AIR

07/08/2021

Data Path : H:\AIR2021\CHEM20\04APR\19\
 Data File : 0419_21.D
 Acq On : 20 Apr 2021 1:38 am
 Operator :
 Client ID : IND CAN CERT 28595
 Lab ID : IND CAN CERT 28595
 ALS Vial : 55 Sample Multiplier: 1

Quant Time: Apr 20 08:43:11 2021
 Quant Method : H:\AIR2021\CHEM20\METHODS\20_AIR_0419.M
 Quant Title : VOA Standards for 5 point calibration
 QLast Update : Tue Apr 20 08:39:08 2021
 Response via : Initial Calibration

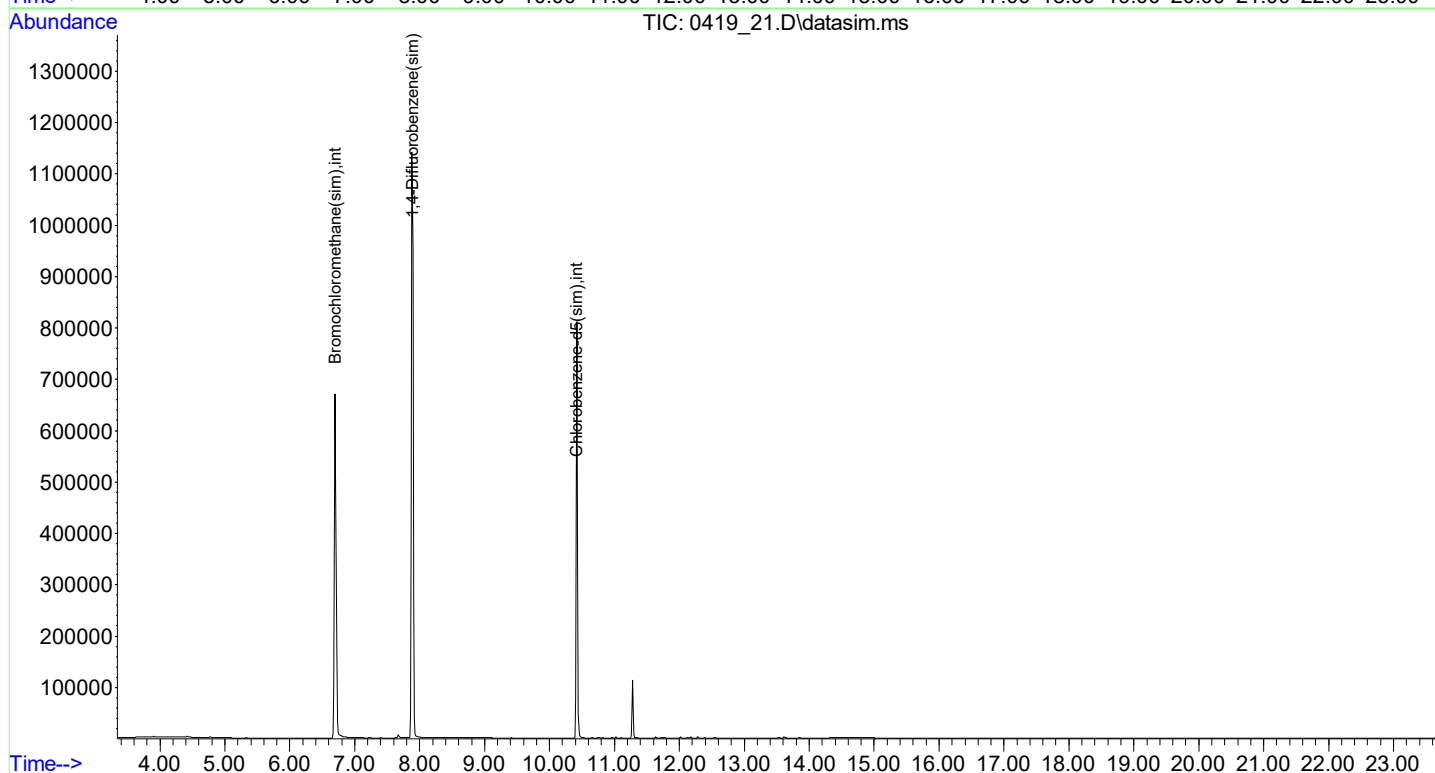
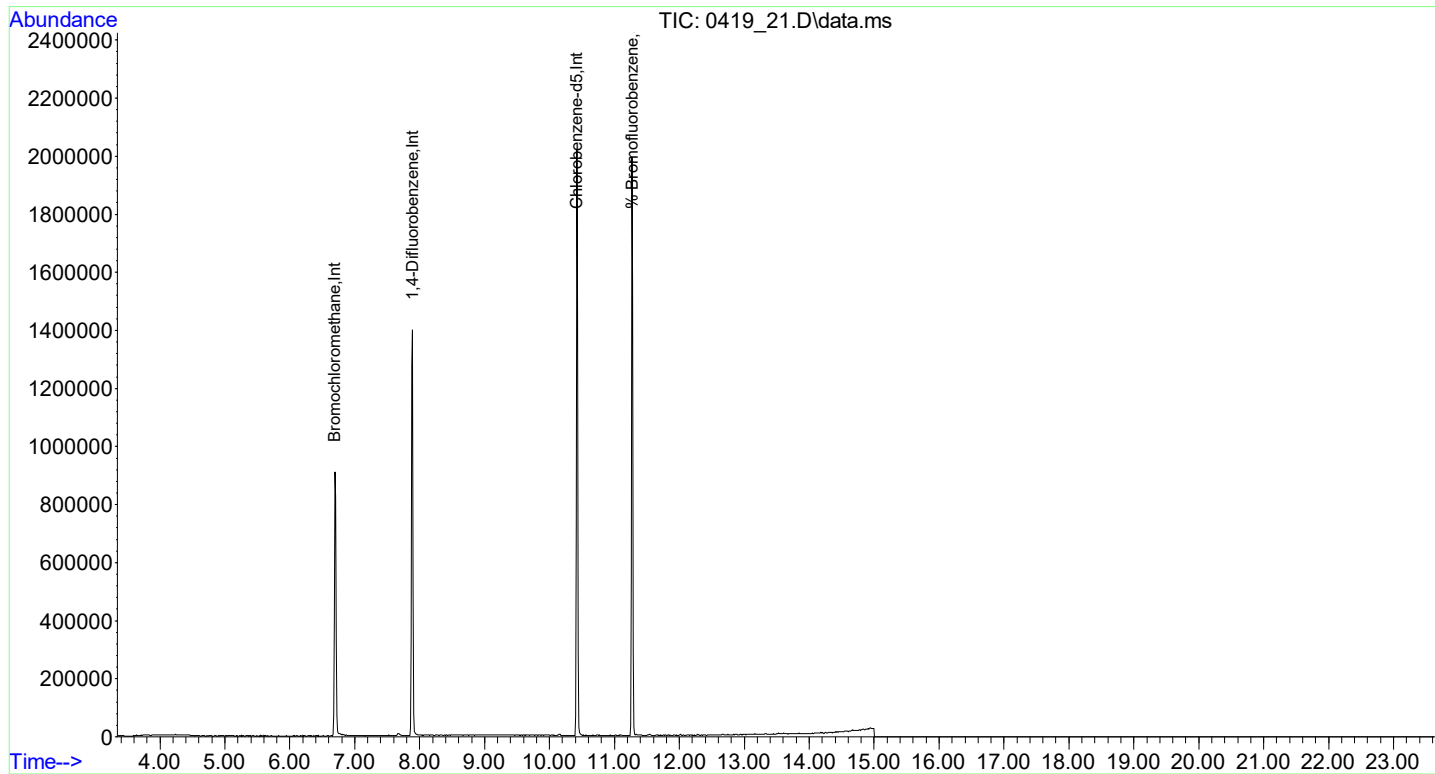
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	6.694	130	309399	10.000	ng	-0.01
37) 1,4-Difluorobenzene	7.889	114	1086380	10.000	ng	0.00
54) Chlorobenzene-d5	10.420	82	465539	10.000	ng	0.00
81) Bromochloromethane(sim)	6.699	130	334818	10.000	ng	#-0.01
96) 1,4-Difluorobenzene(sim)	7.889	114	1085471	10.000	ng	0.00
106) Chlorobenzene-d5(sim)	10.420	82	465539	10.000	ng	0.00
System Monitoring Compounds						
63) % Bromofluorobenzene	11.270	95	563188	9.752	ppbv	0.00
Spiked Amount	10.000	Range	70 - 130	Recovery	=	97.50%

Target Compounds	Qvalue

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

Data Path : H:\AIR2021\CHEM20\04APR\19\
Data File : 0419_21.D
Acq On : 20 Apr 2021 1:38 am
Operator :
Client ID : IND CAN CERT 28595
Lab ID : IND CAN CERT 28595
ALS Vial : 55 Sample Multiplier: 1

Quant Time: Apr 20 08:43:11 2021
Quant Method : H:\AIR2021\CHEM20\METHODS\20_AIR_0419.M
Quant Title : VOA Standards for 5 point calibration
QLast Update : Tue Apr 20 08:39:08 2021
Response via : Initial Calibration



Client:	WALDENE-IPARK	Lab:	Phoenix Env. Labs
SDG No.:	GCI26486	Lab Sample ID:	IND CAN CERT 216
Canister:	CANBL	Lab File ID:	0419_25.D
Instrument:	CHEM20	Column:	
Purge Volume	200 (cc)	Date Analyzed:	04/20/21
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:\AIR2021\CHEM20\04APR\19\
 Data File : 0419_25.D
 Acq On : 20 Apr 2021 4:14 am
 Operator :
 Client ID : IND CAN CERT 216
 Lab ID : IND CAN CERT 216
 ALS Vial : 59 Sample Multiplier: 1

Quant Time: Apr 20 08:43:41 2021
 Quant Method : H:\AIR2021\CHEM20\METHODS\20_AIR_0419.M
 Quant Title : VOA Standards for 5 point calibration
 QLast Update : Tue Apr 20 08:39:08 2021
 Response via : Initial Calibration

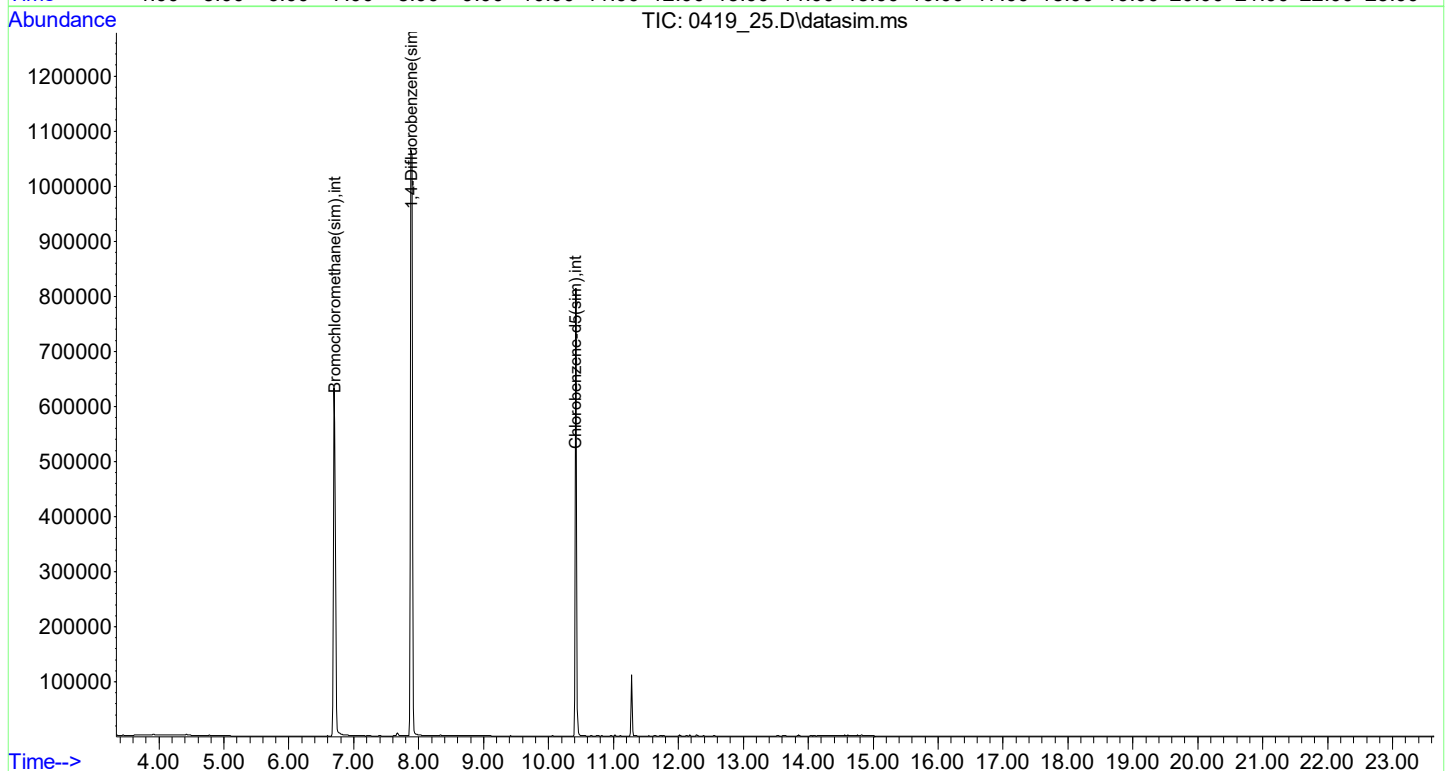
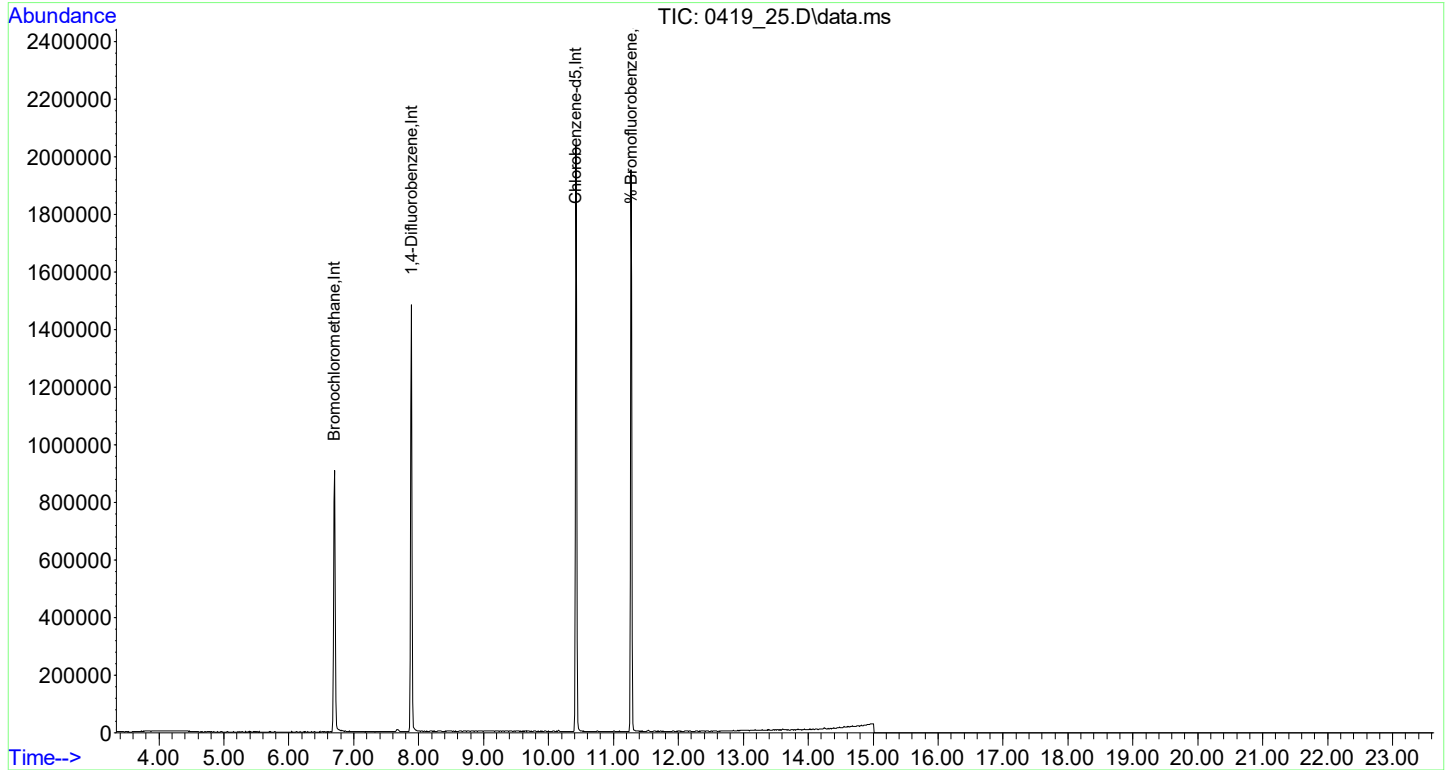
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	6.704	130	303797	10.000	ng	0.00
37) 1,4-Difluorobenzene	7.889	114	1077879	10.000	ng	0.00
54) Chlorobenzene-d5	10.420	82	462037	10.000	ng	0.00
81) Bromochloromethane(sim)	6.710	130	333588	10.000	ng	# 0.00
96) 1,4-Difluorobenzene(sim)	7.889	114	1077342	10.000	ng	0.00
106) Chlorobenzene-d5(sim)	10.420	82	462144	10.000	ng	0.00
System Monitoring Compounds						
63) % Bromofluorobenzene	11.270	95	561871	9.803	ppbv	0.00
Spiked Amount	10.000	Range	70 - 130	Recovery	=	98.00%

Target Compounds	Qvalue

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

Data Path : H:\AIR2021\CHEM20\04APR\19\
Data File : 0419_25.D
Acq On : 20 Apr 2021 4:14 am
Operator :
Client ID : IND CAN CERT 216
Lab ID : IND CAN CERT 216
ALS Vial : 59 Sample Multiplier: 1

Quant Time: Apr 20 08:43:41 2021
Quant Method : H:\AIR2021\CHEM20\METHODS\20_AIR_0419.M
Quant Title : VOA Standards for 5 point calibration
QLast Update : Tue Apr 20 08:39:08 2021
Response via : Initial Calibration



Data Path : H:\AIR2021\CHEM20\03MAR\31\
 Data File : 0331_06.D
 Acq On : 31 Mar 2021 12:33 pm
 Operator :
 Client ID : IND CAN CERT 461
 Lab ID : IND CAN CERT 461
 ALS Vial : 6 Sample Multiplier: 1

Quant Time: Mar 31 13:32:06 2021
 Quant Method : H:\AIR2021\CHEM20\METHODS\20_AIR_0329.M
 Quant Title : VOA Standards for 5 point calibration
 QLast Update : Mon Mar 29 13:12:48 2021
 Response via : Initial Calibration

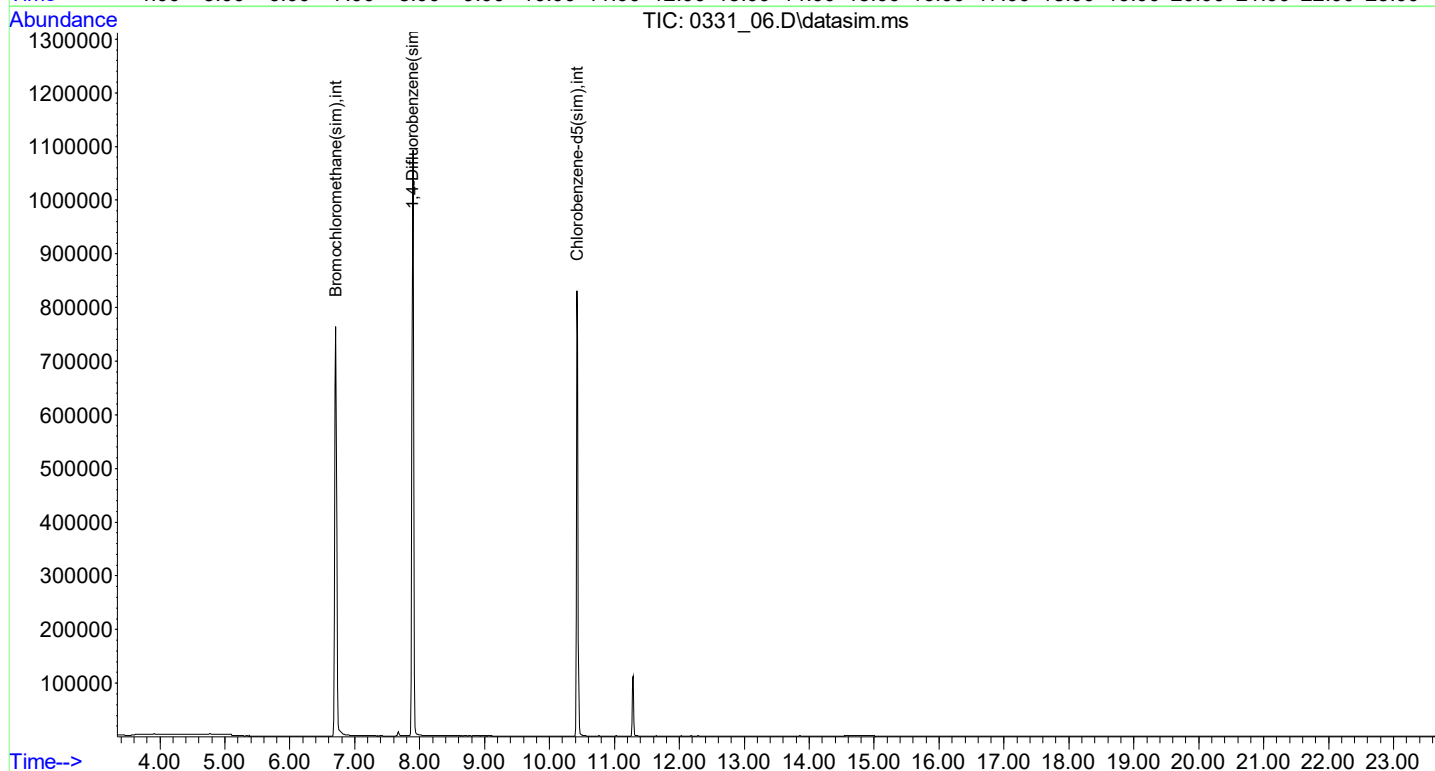
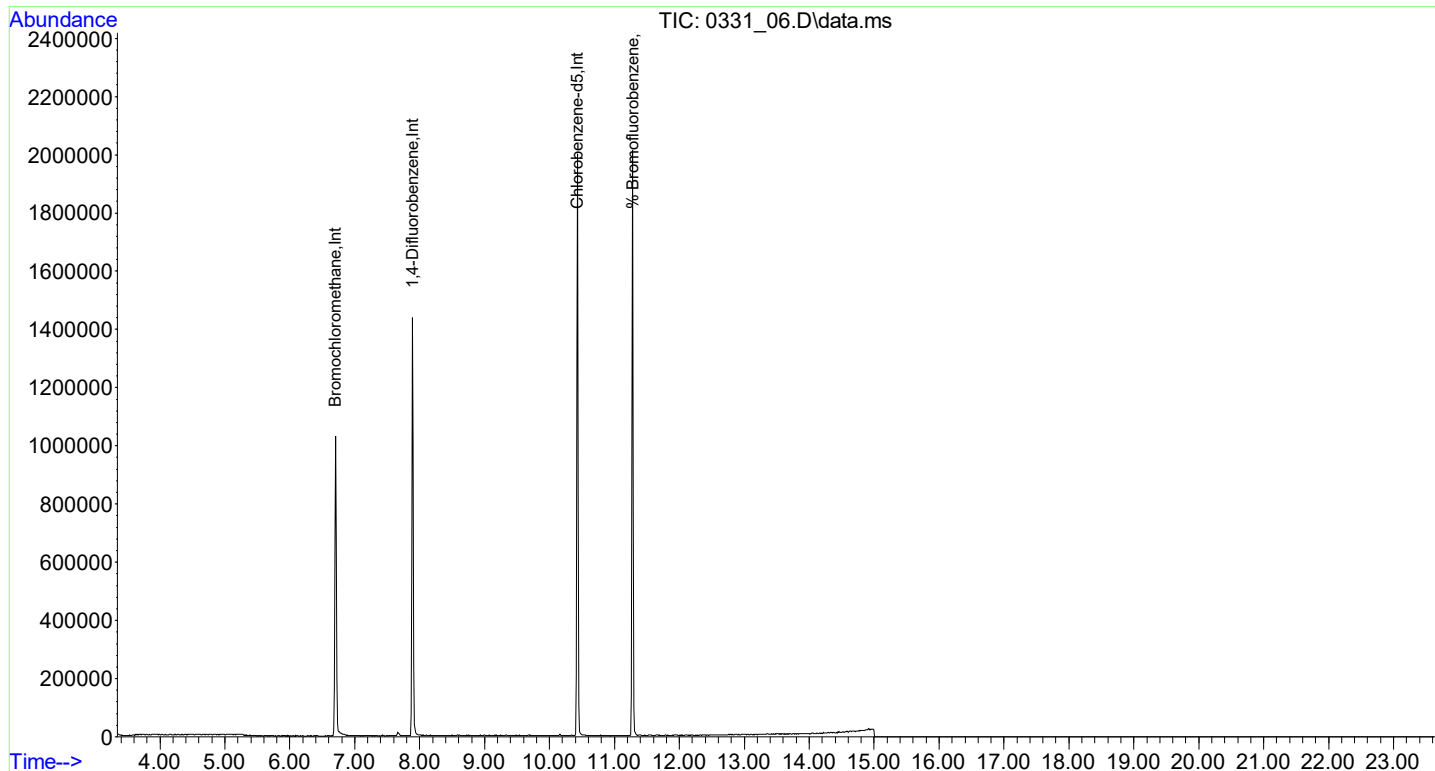
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	6.704	130	227556	10.000	ng	0.00
37) 1,4-Difluorobenzene	7.889	114	833052	10.000	ng	0.00
54) Chlorobenzene-d5	10.430	82	406812	10.000	ng	0.00
81) Bromochloromethane(sim)	6.710	130	258408	10.000	ng	# 0.00
96) 1,4-Difluorobenzene(sim)	7.889	114	833052	10.000	ng	0.00
106) Chlorobenzene-d5(sim)	10.430	82	406956	10.000	ng	0.00
System Monitoring Compounds						
63) % Bromofluorobenzene	11.281	95	471441	9.833	ppbv	0.00
Spiked Amount	10.000	Range	70 - 130	Recovery	=	98.30%

Target Compounds	Qvalue

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

Data Path : H:\AIR2021\CHEM20\03MAR\31\
Data File : 0331_06.D
Acq On : 31 Mar 2021 12:33 pm
Operator :
Client ID : IND CAN CERT 461
Lab ID : IND CAN CERT 461
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Mar 31 13:32:06 2021
Quant Method : H:\AIR2021\CHEM20\METHODS\20_AIR_0329.M
Quant Title : VOA Standards for 5 point calibration
QLast Update : Mon Mar 29 13:12:48 2021
Response via : Initial Calibration



Client:	WALDENE-IPARK	Lab:	Phoenix Env. Labs
SDG No.:	GCI26486	Lab Sample ID:	IND CAN CERT 489
Canister:	CANBL	Lab File ID:	0331_08.D
Instrument:	CHEM20	Column:	
Purge Volume	200 (cc)	Date Analyzed:	04/01/21
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:\AIR2021\CHEM20\03MAR\31\
 Data File : 0331_08.D
 Acq On : 31 Mar 2021 1:50 pm
 Operator :
 Client ID : IND CAN CERT 489
 Lab ID : IND CAN CERT 489
 ALS Vial : 8 Sample Multiplier: 1

Quant Time: Apr 01 08:21:37 2021
 Quant Method : H:\AIR2021\CHEM20\METHODS\20_AIR_0329.M
 Quant Title : VOA Standards for 5 point calibration
 QLast Update : Mon Mar 29 13:12:48 2021
 Response via : Initial Calibration

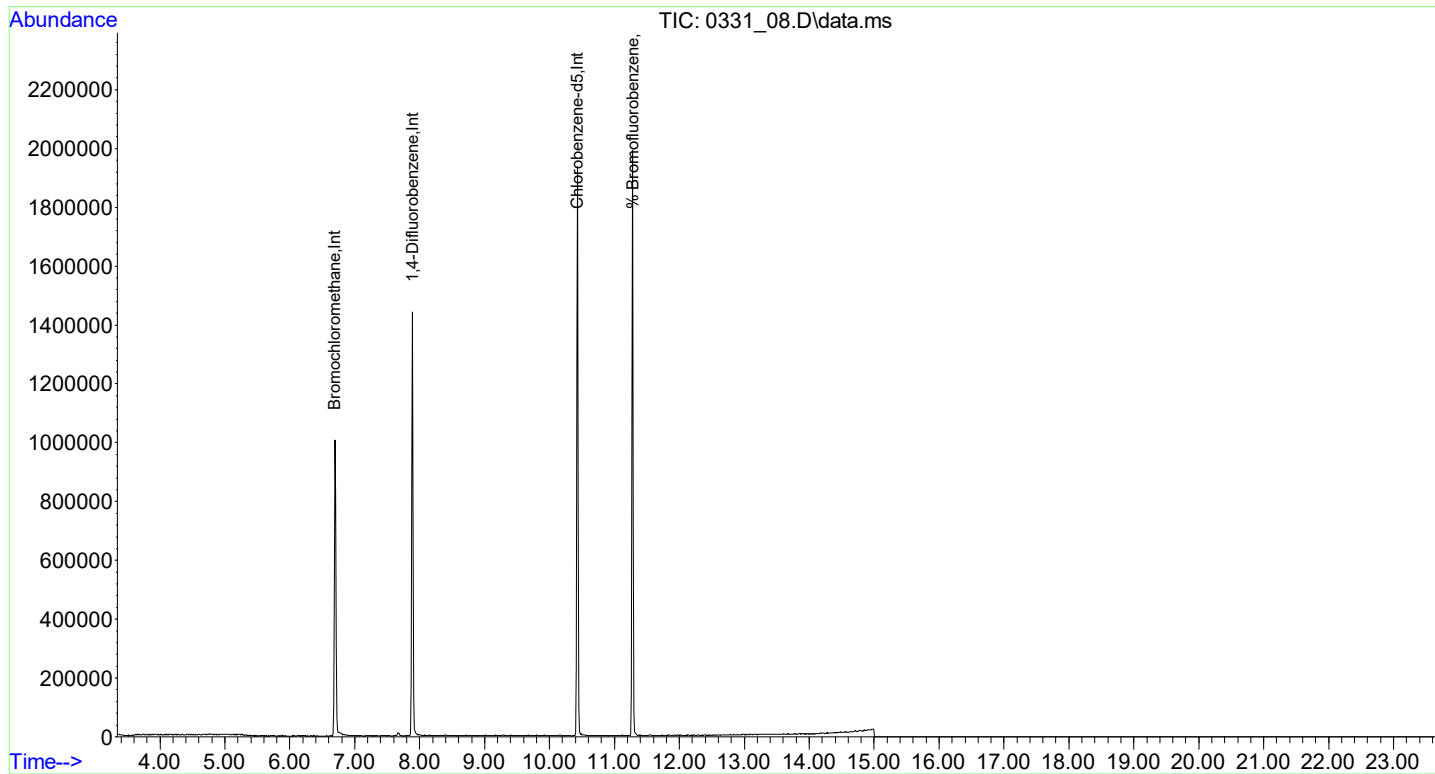
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	6.694	130	225831	10.000	ng	-0.01
37) 1,4-Difluorobenzene	7.889	114	812202	10.000	ng	0.00
54) Chlorobenzene-d5	10.430	82	405460	10.000	ng	0.00
81) Bromochloromethane(sim)	6.699	130	253314	10.000	ng	#-0.01
96) 1,4-Difluorobenzene(sim)	7.889	114	812202	10.000	ng	0.00
106) Chlorobenzene-d5(sim)	10.430	82	405460	10.000	ng	0.00
System Monitoring Compounds						
63) % Bromofluorobenzene	11.281	95	471276	9.862	ppbv	0.00
Spiked Amount	10.000	Range	70 - 130	Recovery	=	98.60%

Target Compounds	Qvalue

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

Data Path : H:\AIR2021\CHEM20\03MAR\31\
Data File : 0331_08.D
Acq On : 31 Mar 2021 1:50 pm
Operator :
Client ID : IND CAN CERT 489
Lab ID : IND CAN CERT 489
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Apr 01 08:21:37 2021
Quant Method : H:\AIR2021\CHEM20\METHODS\20_AIR_0329.M
Quant Title : VOA Standards for 5 point calibration
QLast Update : Mon Mar 29 13:12:48 2021
Response via : Initial Calibration



Injection Log

Data Directory: H:\AIR2021\CHEM20\03MAR\05\

Line	Vl	FileName	SampleName	MiscInfo	Injection Time
1)	1	0305_01.D	xxxxxxxxxx		03/05/21 7:36
2)	2	0305_02.D	xxxxxxxxxx		03/05/21 8:12
3)	3	0305_03.D	xxxxxxxxxx		03/05/21 8:47
4)	4	0305_04.D	xxxxxxxxxx		03/05/21 10:22
5)	5	0305_05.D	xxxxxxxxxx		03/05/21 11:01
6)	6	0305_06.D	xxxxxxxxxx		03/05/21 11:40
7)	7	0305_07.D	xxxxxxxxxx		03/05/21 12:20
8)	8	0305_08.D	xxxxxxxxxx		03/05/21 13:59
9)	8	0305_09.D	xxxxxxxxxx		03/05/21 14:52
10)	9	0305_10.D	xxxxxxxxxx		03/05/21 16:37
11)	10	0305_11.D	xxxxxxxxxx		03/05/21 17:17
12)	11	0305_12.D	xxxxxxxxxx		03/05/21 17:56
13)	12	0305_13.D	IND CAN CERT 12859	IND CAN CERT 12859	03/05/21 18:35
14)	13	0305_14.D	xxxxxxxxxx		03/05/21 19:14
15)	14	0305_15.D	xxxxxxxxxx		03/05/21 19:53
16)	15	0305_16.D	xxxxxxxxxx		03/05/21 20:32
17)	16	0305_17.D	xxxxxxxxxx		03/05/21 21:12
18)	17	0305_18.D	xxxxxxxxxx		03/05/21 21:51
19)	18	0305_19.D	xxxxxxxxxx		03/05/21 22:29
20)	19	0305_20.D	xxxxxxxxxx		03/05/21 23:09
21)	20	0305_21.D	xxxxxxxxxx		03/05/21 23:47
22)	21	0305_22.D	xxxxxxxxxx		03/06/21 0:26
23)	22	0305_23.D	xxxxxxxxxx		03/06/21 1:03

Injection Log

Data Directory: H:\AIR2021\CHEM20\03MAR\31\

Line	VL	FileName	SampleName	MiscInfo	Injection Time
1)	0	0331_22.D	xxxxxxxxxx		N/A
2)	1	0331_01.D	xxxxxxxxxx		03/31/21 9:24
3)	2	0331_02.D	xxxxxxxxxx		03/31/21 10:01
4)	3	0331_03.D	xxxxxxxxxx		03/31/21 10:36
5)	4	0331_04.D	xxxxxxxxxx		03/31/21 11:15
6)	5	0331_05.D	xxxxxxxxxx		03/31/21 11:54
7)	6	0331_06.D	IND CAN CERT 461	IND CAN CERT 461	03/31/21 12:33
8)	7	0331_07.D	xxxxxxxxxx		03/31/21 13:11
9)	8	0331_08.D	IND CAN CERT 489	IND CAN CERT 489	03/31/21 13:50
10)	9	0331_09.D	xxxxxxxxxx		03/31/21 14:29
11)	10	0331_10.D	xxxxxxxxxx		03/31/21 15:08
12)	11	0331_11.D	xxxxxxxxxx		03/31/21 15:47
13)	12	0331_12.D	xxxxxxxxxx		03/31/21 16:26
14)	13	0331_13.D	xxxxxxxxxx		03/31/21 17:05
15)	14	0331_14.D	xxxxxxxxxx		03/31/21 17:44
16)	15	0331_15.D	xxxxxxxxxx		03/31/21 18:29
17)	16	0331_16.D	xxxxxxxxxx		03/31/21 19:08
18)	17	0331_17.D	xxxxxxxxxx		03/31/21 19:47
19)	18	0331_18.D	xxxxxxxxxx		03/31/21 20:26
20)	19	0331_19.D	xxxxxxxxxx		03/31/21 21:04
21)	20	0331_20.D	IND CAN CERT 19634	IND CAN CERT 19634	03/31/21 21:43
22)	21	0331_21.D	xxxxxxxxxx		03/31/21 22:19

Injection Log

Data Directory: H:\AIR2021\CHEM20\04APR\19\

Line	VI	FileName	SampleName	MiscInfo	Injection Time
1)	0	0421_32.D	xxxxxxxxxx		N/A
2)	36	0419_01.D	xxxxxxxxxx		04/19/21 13:20
3)	37	0419_02.D	xxxxxxxxxx		04/19/21 13:55
4)	37	0419_03.D	xxxxxxxxxx		04/19/21 14:30
5)	38	0419_04.D	xxxxxxxxxx		04/19/21 15:06
6)	39	0419_05.D	xxxxxxxxxx		04/19/21 15:42
7)	40	0419_06.D	xxxxxxxxxx		04/19/21 16:18
8)	41	0419_07.D	xxxxxxxxxx		04/19/21 16:55
9)	42	0419_08.D	xxxxxxxxxx		04/19/21 17:33
10)	43	0419_09.D	xxxxxxxxxx		04/19/21 18:11
11)	44	0419_10.D	xxxxxxxxxx		04/19/21 18:48
12)	45	0419_11.D	xxxxxxxxxx		04/19/21 19:26
13)	46	0419_12.D	xxxxxxxxxx		04/19/21 20:06
14)	47	0419_13.D	xxxxxxxxxx		04/19/21 20:40
15)	48	0419_14.D	xxxxxxxxxx		04/19/21 21:17
16)	49	0419_15.D	xxxxxxxxxx		04/19/21 21:54
17)	50	0419_16.D	xxxxxxxxxx		04/19/21 22:32
18)	51	0419_17.D	xxxxxxxxxx		04/19/21 23:07
19)	52	0419_18.D	xxxxxxxxxx		04/19/21 23:42
20)	53	0419_19.D	xxxxxxxxxx		04/20/21 0:20
21)	54	0419_20.D	xxxxxxxxxx		04/20/21 0:59
22)	55	0419_21.D	IND CAN CERT 28595	IND CAN CERT 28595	04/20/21 1:38
23)	56	0419_22.D	xxxxxxxxxx		04/20/21 2:17
24)	57	0419_23.D	IND CAN CERT 11290	IND CAN CERT 11290	04/20/21 2:56
25)	58	0419_24.D	xxxxxxxxxx		04/20/21 3:35
26)	59	0419_25.D	IND CAN CERT 216	IND CAN CERT 216	04/20/21 4:14
27)	60	0419_26.D	IND CAN CERT 23329	IND CAN CERT 23329	04/20/21 4:53
28)	61	0419_27.D	IND CAN CERT 12872	IND CAN CERT 12872	04/20/21 5:32
29)	62	0419_28.D	xxxxxxxxxx		04/20/21 6:11
30)	63	0419_29.D	xxxxxxxxxx		04/20/21 6:50
31)	64	0419_30.D	IND CAN CERT 19786	IND CAN CERT 19786	04/20/21 7:29
32)	65	0419_31.D	xxxxxxxxxx		04/20/21 8:07
33)	66	0419_32.D	xxxxxxxxxx		04/20/21 8:46
34)	67	0419_33.D	IND CAN CERT 13645	IND CAN CERT 13645	04/20/21 9:25
35)	68	0419_34.D	xxxxxxxxxx		04/20/21 10:04
36)	69	0419_35.D	xxxxxxxxxx		04/20/21 10:44
37)	70	0419_36.D	xxxxxxxxxx		04/20/21 11:22
38)	71	0419_37.D	xxxxxxxxxx		04/20/21 12:01
39)	72	0419_38.D	xxxxxxxxxx		04/20/21 12:40
40)	73	0419_39.D	xxxxxxxxxx		04/20/21 13:19
41)	74	0419_40.D	xxxxxxxxxx		04/20/21 13:59
42)	75	0419_41.D	xxxxxxxxxx		04/20/21 14:38
43)	76	0419_42.D	xxxxxxxxxx		04/20/21 15:58
44)	77	0419_43.D	xxxxxxxxxx		04/20/21 16:37
45)	78	0419_44.D	xxxxxxxxxx		04/20/21 17:16
46)	79	0419_45.D	xxxxxxxxxx		04/20/21 17:56
47)	80	0419_46.D	xxxxxxxxxx		04/20/21 18:35
48)	81	0420_01.D	xxxxxxxxxx		04/20/21 19:11
49)	82	0420_02.D	xxxxxxxxxx		04/20/21 19:46
50)	83	0420_03.D	xxxxxxxxxx		04/20/21 20:25
51)	84	0420_04.D	xxxxxxxxxx		04/20/21 21:04
52)	85	0420_05.D	xxxxxxxxxx		04/20/21 21:44
53)	86	0420_06.D	xxxxxxxxxx		04/20/21 22:22
54)	87	0420_07.D	xxxxxxxxxx		04/20/21 23:01
55)	88	0420_08.D	xxxxxxxxxx		04/20/21 23:40
56)	89	0420_09.D	xxxxxxxxxx		04/21/21 0:19
57)	90	0420_10.D	xxxxxxxxxx		04/21/21 0:59
58)	91	0420_11.D	xxxxxxxxxx		04/21/21 1:38
59)	92	0420_12.D	xxxxxxxxxx		04/21/21 2:18
60)	93	0420_13.D	xxxxxxxxxx		04/21/21 8:44
61)	94	0420_14.D	IND CAN CERT 19816	IND CAN CERT 19816	04/21/21 9:23
62)	1	0420_15.D	xxxxxxxxxx		04/21/21 10:02
63)	2	0420_16.D	xxxxxxxxxx		04/21/21 12:12
64)	3	0420_17.D	xxxxxxxxxx		04/21/21 12:52
65)	4	0420_18.D	xxxxxxxxxx		04/21/21 13:31
66)	5	0420_19.D	xxxxxxxxxx		04/21/21 14:09
67)	6	0420_20.D	xxxxxxxxxx		04/21/21 14:48
68)	7	0421_01.D	xxxxxxxxxx		04/21/21 15:25

69)	8	0421_02.D	xxxxxxxxxx	04/21/21	16:01
70)	9	0421_03.D	xxxxxxxxxx	04/21/21	16:40
71)	1	0421_04.D	xxxxxxxxxx	04/21/21	17:14
72)	1	0421_05.D	xxxxxxxxxx	04/21/21	17:49
73)	1	0421_06.D	xxxxxxxxxx	04/21/21	18:40
74)	1	0421_07.D	xxxxxxxxxx	04/21/21	19:24
75)	2	0421_08.D	xxxxxxxxxx	04/21/21	20:09
76)	3	0421_09.D	xxxxxxxxxx	04/21/21	20:52
77)	4	0421_10.D	xxxxxxxxxx	04/21/21	21:35
78)	5	0421_11.D	xxxxxxxxxx	04/21/21	22:19
79)	6	0421_12.D	xxxxxxxxxx	04/21/21	23:01
80)	7	0421_13.D	xxxxxxxxxx	04/21/21	23:45
81)	8	0421_14.D	xxxxxxxxxx	04/22/21	0:29
82)	9	0421_15.D	xxxxxxxxxx	04/22/21	1:12
83)	10	0421_16.D	xxxxxxxxxx	04/22/21	1:58
84)	11	0421_17.D	xxxxxxxxxx	04/22/21	2:41
85)	12	0421_18.D	xxxxxxxxxx	04/22/21	3:27
86)	13	0421_19.D	xxxxxxxxxx	04/22/21	4:10
87)	14	0421_20.D	xxxxxxxxxx	04/22/21	4:52
88)	15	0421_21.D	xxxxxxxxxx	04/22/21	5:35
89)	16	0421_22.D	xxxxxxxxxx	04/22/21	6:17
90)	17	0421_23.D	xxxxxxxxxx	04/22/21	7:01
91)	18	0421_24.D	xxxxxxxxxx	04/22/21	7:44
92)	19	0421_25.D	xxxxxxxxxx	04/22/21	8:27
93)	20	0421_26.D	xxxxxxxxxx	04/22/21	9:12
94)	21	0421_27.D	xxxxxxxxxx	04/22/21	9:56
95)	22	0421_28.D	xxxxxxxxxx	04/22/21	10:33
96)	23	0421_29.D	xxxxxxxxxx	04/22/21	11:11
97)	24	0421_30.D	xxxxxxxxxx	04/22/21	11:48
98)	25	0421_31.D	xxxxxxxxxx	04/22/21	12:25

Injection Log

Data Directory: H:\AIR2021\CHEM24\04APR\21A\

Line	VI	FileName	SampleName	MiscInfo	Injection Time
1)	45	0421_01.D	xxxxxxxxxx		04/21/21 21:46
2)	46	0421_02.D	BFB TUNE	0/0	04/21/21 22:17
3)	47	0421_03.D	ICAL 0.02	0.02	04/21/21 22:47
4)	48	0421_04.D	ICAL 0.035	0.035	04/21/21 23:16
5)	49	0421_05.D	ICAL 0.05	0.05	04/22/21 0:34
6)	50	0421_06.D	ICAL 0.1	0.10	04/22/21 1:06
7)	51	0421_07.D	ICAL 0.25	0.20	04/22/21 1:39
8)	52	0421_08.D	ICAL 0.5	0.50	04/22/21 2:14
9)	53	0421_09.D	ICAL 2.5	2.5	04/22/21 2:49
10)	54	0421_10.D	ICAL 5	5.0	04/22/21 3:21
11)	55	0421_11.D	ICAL 25	25	04/22/21 3:57
12)	56	0421_12.D	ICAL 40	40	04/22/21 4:37
13)	57	0421_13.D	xxxxxxxxxx		04/22/21 5:07
14)	58	0421_14.D	ICAL 1	1ppb	04/22/21 5:40
15)	59	0421_15.D	ICAL 10	10ppb	04/22/21 6:12
16)	60	0421_16.D	xxxxxxxxxx		04/22/21 6:49
17)	61	0421_17.D	xxxxxxxxxx		04/22/21 7:20
18)	62	0421_18.D	xxxxxxxxxx		04/22/21 7:51
19)	63	0421_19.D	xxxxxxxxxx		04/22/21 9:52
20)	64	0421_20.D	xxxxxxxxxx		04/22/21 10:25
21)	65	0421_21.D	xxxxxxxxxx		04/22/21 10:57
22)	66	0421_22.D	xxxxxxxxxx		04/22/21 11:29
23)	67	0421_23.D	xxxxxxxxxx		04/22/21 12:01
24)	68	0421_24.D	xxxxxxxxxx		04/22/21 14:03
25)	69	0421_25.D	xxxxxxxxxx		04/22/21 14:45
26)	70	0421_26.D	xxxxxxxxxx		04/22/21 15:26
27)	71	0421_27.D	xxxxxxxxxx		04/22/21 16:08
28)	72	0421_28.D	xxxxxxxxxx		04/22/21 16:49
29)	73	0421_29.D	xxxxxxxxxx		04/22/21 17:31
30)	74	0421_30.D	xxxxxxxxxx		04/22/21 18:12
31)	75	0421_31.D	xxxxxxxxxx		04/22/21 18:54
32)	76	0421_32.D	xxxxxxxxxx		04/22/21 19:36
33)	77	0421_33.D	xxxxxxxxxx		04/22/21 20:17
34)	78	0421_34.D	xxxxxxxxxx		04/22/21 20:58
35)	79	0421_35.D	xxxxxxxxxx		04/22/21 21:40
36)	80	0421_36.D	xxxxxxxxxx		04/22/21 22:23
37)	81	0421_37.D	xxxxxxxxxx		04/22/21 22:56
38)	82	0421_38.D	xxxxxxxxxx		04/22/21 23:29
39)	83	0421_39.D	xxxxxxxxxx		04/23/21 0:03
40)	84	0421_40.D	xxxxxxxxxx		04/23/21 0:56
41)	85	0421_41.D	xxxxxxxxxx		04/23/21 1:49
42)	86	0421_42.D	xxxxxxxxxx		04/23/21 2:23
43)	87	0421_43.D	xxxxxxxxxx		04/23/21 2:56
44)	88	0421_44.D	xxxxxxxxxx		04/23/21 3:28
45)	89	0421_45.D	xxxxxxxxxx		04/23/21 4:01
46)	90	0421_46.D	xxxxxxxxxx		04/23/21 4:33
47)	91	0421_47.D	xxxxxxxxxx		04/23/21 5:07
48)	92	0421_48.D	xxxxxxxxxx		04/23/21 5:41
49)	93	0421_49.D	xxxxxxxxxx		04/23/21 6:18
50)	94	0421_50.D	xxxxxxxxxx		04/23/21 6:50
51)	95	0421_51.D	xxxxxxxxxx		04/23/21 7:22
52)	96	0421_52.D	xxxxxxxxxx		04/23/21 11:13
53)	97	0421_53.D	xxxxxxxxxx		04/23/21 11:56
54)	98	0421_54.D	xxxxxxxxxx		04/23/21 12:28
55)	99	0421_55.D	xxxxxxxxxx		04/23/21 13:01
56)	100	0421_56.D	xxxxxxxxxx		04/23/21 13:34
57)	101	0421_57.D	xxxxxxxxxx		04/23/21 14:13
58)	102	0421_58.D	xxxxxxxxxx		04/23/21 14:47
59)	103	0421_59.D	xxxxxxxxxx		04/23/21 15:27
60)	104	0421_60.D	xxxxxxxxxx		04/23/21 15:59
61)	105	0421_61.D	xxxxxxxxxx		04/23/21 18:30
62)	106	0421_62.D	xxxxxxxxxx		04/23/21 19:08
63)	107	0421_63.D	xxxxxxxxxx		04/23/21 19:45
64)	108	0421_64.D	xxxxxxxxxx		04/23/21 20:22
65)	109	0421_65.D	xxxxxxxxxx		04/23/21 20:54
66)	110	0421_66.D	xxxxxxxxxx		04/23/21 21:27
67)	111	0421_67.D	xxxxxxxxxx		04/23/21 21:59
68)	112	0421_68.D	xxxxxxxxxx		04/23/21 22:31

69)	113	0421_69.D	xxxxxxxxxx	04/23/21	23:03
70)	114	0421_70.D	xxxxxxxxxx	04/23/21	23:40
71)	115	0421_71.D	xxxxxxxxxx	04/24/21	0:35
72)	116	0421_72.D	xxxxxxxxxx	04/24/21	1:13
73)	117	0421_73.D	xxxxxxxxxx	04/24/21	1:50
74)	118	0421_74.D	xxxxxxxxxx	04/24/21	2:27
75)	119	0421_75.D	xxxxxxxxxx	04/24/21	2:59
76)	120	0421_76.D	xxxxxxxxxx	04/24/21	3:31
77)	121	0421_77.D	xxxxxxxxxx	04/24/21	4:03
78)	122	0421_78.D	xxxxxxxxxx	04/24/21	4:35
79)	123	0421_79.D	xxxxxxxxxx	04/24/21	5:09

Injection Log

Data Directory: H:\AIR2021\CHEM24\04APR\13\

Line	VL	FileName	SampleName	MiscInfo	Injection Time
1)	0	0413_19.D	xxxxxxxxxx		N/A
2)	1	0413_01.D	xxxxxxxxxx		04/13/21 12:06
3)	2	0413_02.D	xxxxxxxxxx		04/13/21 12:40
4)	3	0413_03.D	xxxxxxxxxx		04/13/21 13:09
5)	4	0413_04.D	xxxxxxxxxx		04/13/21 13:44
6)	5	0413_05.D	xxxxxxxxxx		04/13/21 14:14
7)	6	0413_06.D	xxxxxxxxxx		04/13/21 14:43
8)	7	0413_07.D	xxxxxxxxxx		04/13/21 15:24
9)	8	0413_08.D	xxxxxxxxxx		04/13/21 16:01
10)	9	0413_09.D	xxxxxxxxxx		04/13/21 16:37
11)	10	0413_10.D	xxxxxxxxxx		04/13/21 17:09
12)	11	0413_11.D	xxxxxxxxxx		04/13/21 17:39
13)	12	0413_12.D	xxxxxxxxxx		04/13/21 18:15
14)	13	0413_13.D	xxxxxxxxxx		04/13/21 18:47
15)	14	0413_14.D	xxxxxxxxxx		04/13/21 19:18
16)	15	0413_15.D	xxxxxxxxxx		04/13/21 19:49
17)	16	0413_16.D	xxxxxxxxxx		04/13/21 20:20
18)	17	0413_17.D	xxxxxxxxxx		04/13/21 20:53
19)	18	0413_18.D	xxxxxxxxxx		04/13/21 21:28
20)	19	0413_20.D	xxxxxxxxxx		04/14/21 0:42
21)	20	0413_21.D	xxxxxxxxxx		04/14/21 1:12
22)	21	0413_22.D	xxxxxxxxxx		04/14/21 1:44
23)	22	0413_23.D	xxxxxxxxxx		04/14/21 2:14
24)	23	0413_24.D	xxxxxxxxxx		04/14/21 2:46
25)	24	0413_25.D	xxxxxxxxxx		04/14/21 3:18
26)	25	0413_26.D	xxxxxxxxxx		04/14/21 3:50
27)	26	0413_27.D	xxxxxxxxxx		04/14/21 4:25
28)	27	0413_28.D	xxxxxxxxxx		04/14/21 7:16
29)	28	0413_29.D	xxxxxxxxxx		04/14/21 7:52
30)	29	0413_30.D	xxxxxxxxxx		04/14/21 8:27
31)	30	0413_31.D	xxxxxxxxxx		04/14/21 9:04
32)	31	0413_32.D	xxxxxxxxxx		04/14/21 9:56
33)	32	0413_33.D	xxxxxxxxxx		04/14/21 10:31
34)	33	0414_01.D	xxxxxxxxxx		04/14/21 11:04
35)	34	0414_02.D	xxxxxxxxxx		04/14/21 11:37
36)	35	0414_03.D	xxxxxxxxxx		04/14/21 12:14
37)	36	0414_04.D	xxxxxxxxxx		04/14/21 12:45
38)	37	0414_05.D	xxxxxxxxxx		04/14/21 13:15
39)	38	0414_06.D	xxxxxxxxxx		04/14/21 13:52
40)	39	0414_07.D	xxxxxxxxxx		04/14/21 14:28
41)	40	0414_08.D	xxxxxxxxxx		04/14/21 15:03
42)	41	0414_09.D	xxxxxxxxxx		04/14/21 15:40
43)	42	0414_10.D	xxxxxxxxxx		04/14/21 16:16
44)	43	0414_11.D	xxxxxxxxxx		04/14/21 16:48
45)	44	0414_12.D	xxxxxxxxxx		04/14/21 17:19
46)	45	0414_13.D	xxxxxxxxxx		04/14/21 17:51
47)	46	0414_14.D	xxxxxxxxxx		04/14/21 18:23
48)	47	0414_15.D	xxxxxxxxxx		04/14/21 18:55
49)	48	0414_16.D	xxxxxxxxxx		04/14/21 19:25
50)	49	0414_17.D	xxxxxxxxxx		04/14/21 19:56
51)	50	0414_18.D	xxxxxxxxxx		04/14/21 20:33
52)	51	0414_19.D	xxxxxxxxxx		04/14/21 21:09
53)	52	0414_20.D	xxxxxxxxxx		04/14/21 21:45
54)	53	0414_21.D	xxxxxxxxxx		04/14/21 22:21
55)	54	0414_22.D	xxxxxxxxxx		04/14/21 22:52
56)	55	0414_23.D	xxxxxxxxxx		04/14/21 23:27
57)	56	0414_24.D	xxxxxxxxxx		04/14/21 23:58
58)	57	0414_25.D	xxxxxxxxxx		04/15/21 0:29
59)	58	0414_26.D	xxxxxxxxxx		04/15/21 1:01
60)	59	0414_27.D	xxxxxxxxxx		04/15/21 1:36
61)	60	0414_28.D	xxxxxxxxxx		04/15/21 2:07
62)	61	0414_29.D	CANISTER BLK 2140	CANISTER BLK 2140	04/15/21 2:42
63)	62	0414_30.D	xxxxxxxxxx		04/15/21 6:56
64)	63	0414_31.D	xxxxxxxxxx		04/15/21 7:32
65)	64	0414_32.D	xxxxxxxxxx		04/15/21 10:00
66)	65	0414_33.D	xxxxxxxxxx		04/15/21 10:30

Injection Log

Data Directory: H:\AIR2021\CHEM24\05MAY\07\

Line	Vl	FileName	SampleName	MiscInfo	Injection Time
1)	0	0507_32.D	xxxxxxxxxx		N/A
2)	1	0507_01.D	xxxxxxxxxx		05/07/21 13:43
3)	2	0507_02.D	xxxxxxxxxx		05/07/21 14:21
4)	2	0507_03.D	BFB TUNE - CCAL 1	1ppb cc - 1ppb cc	05/07/21 14:56
5)	3	0507_04.D	xxxxxxxxxx		05/07/21 15:31
6)	4	0507_05.D	CI26489 LCS	CI26489 LCS	05/07/21 16:09
7)	5	0507_06.D	CI26489 LCSD	CI26489 LCSD	05/07/21 17:01
8)	6	0507_07.D	xxxxxxxxxx		05/07/21 17:36
9)	7	0507_08.D	CI26489 BLANK	CI26489 BLANK	05/07/21 18:10
10)	8	0507_09.D	xxxxxxxxxx		05/07/21 18:50
11)	9	0507_10.D	xxxxxxxxxx		05/07/21 19:34
12)	10	0507_11.D	xxxxxxxxxx		05/07/21 20:17
13)	11	0507_12.D	xxxxxxxxxx		05/07/21 21:00
14)	12	0507_13.D	xxxxxxxxxx		05/07/21 21:44
15)	13	0507_14.D	xxxxxxxxxx		05/07/21 22:27
16)	14	0507_15.D	xxxxxxxxxx		05/07/21 23:12
17)	15	0507_16.D	xxxxxxxxxx		05/07/21 23:55
18)	16	0507_17.D	xxxxxxxxxx		05/08/21 0:37
19)	17	0507_18.D	SCIA-01	CI26486	05/08/21 1:20
20)	18	0507_19.D	SCIA-02	CI26487	05/08/21 2:02
21)	19	0507_20.D	SCIA-03	CI26488	05/08/21 2:57
22)	20	0507_21.D	SCIA-04	CI26489	05/08/21 3:39
23)	21	0507_22.D	SCIA-04 DUP	CI26489 DUP	05/08/21 4:20
24)	22	0507_23.D	SCIA-05	CI26490	05/08/21 5:01
25)	23	0507_24.D	SCIA-06	CI26491	05/08/21 5:43
26)	24	0507_25.D	SCIA-07	CI26492	05/08/21 6:24
27)	25	0507_26.D	xxxxxxxxxx		05/08/21 6:57
28)	26	0507_27.D	xxxxxxxxxx		05/08/21 7:30
29)	27	0507_28.D	xxxxxxxxxx		05/08/21 8:03
30)	28	0507_29.D	xxxxxxxxxx		05/08/21 8:34
31)	29	0507_30.D	xxxxxxxxxx		05/08/21 9:08
32)	30	0507_31.D	xxxxxxxxxx		05/08/21 9:42

Injection Log

Data Directory: H:\AIR2021\CHEM24\05MAY\10\

Line	VL	FileName	SampleName	MiscInfo	Injection Time
1)	1	0510_01.D	xxxxxxxxxx		05/10/21 7:00
2)	2	0510_02.D	BFB TUNE - CCAL 1	1ppb cc - 1ppb cc	05/10/21 7:32
3)	3	0510_03.D	xxxxxxxxxx		05/10/21 8:05
4)	4	0510_04.D	CI26493 LCS	CI26493 LCS	05/10/21 8:42
5)	5	0510_05.D	CI26493 LCSD	CI26493 LCSD	05/10/21 9:19
6)	6	0510_06.D	xxxxxxxxxx		05/10/21 9:50
7)	7	0510_07.D	CI26493 BLANK	CI26493 BLANK	05/10/21 10:22
8)	8	0510_08.D	SCIA-08	CI26493	05/10/21 11:04
9)	9	0510_09.D	SCIA-08 DUP	CI26493 DUP	05/10/21 11:45
10)	10	0510_10.D	SC-DUP	CI26494	05/10/21 12:27
11)	11	0510_11.D	SC-FB	CI26495	05/10/21 13:08
12)	12	0510_12.D	SCSSV-06	CI26496	05/10/21 13:49
13)	13	0510_13.D	SCSSV-08	CI26497	05/10/21 14:31
14)	14	0510_14.D	SCAA-01	CI26498	05/10/21 15:12
15)	15	0510_15.D	xxxxxxxxxx		05/10/21 16:17
16)	16	0510_16.D	xxxxxxxxxx		05/10/21 16:50
17)	17	0510_17.D	xxxxxxxxxx		05/10/21 17:23
18)	18	0510_18.D	xxxxxxxxxx		05/10/21 17:56
19)	19	0510_19.D	xxxxxxxxxx		05/10/21 18:29
20)	20	0510_20.D	xxxxxxxxxx		05/10/21 19:01
21)	21	0510_21.D	xxxxxxxxxx		05/10/21 19:34
22)	22	0510_22.D	SCIA-02 5X	CI26487 5X	05/10/21 20:07
23)	23	0510_23.D	SCIA-04 5X	CI26489 5X	05/10/21 20:41
24)	24	0510_24.D	SCIA-05 2X	CI26490 2X	05/10/21 21:18
25)	25	0510_25.D	SCIA-07 5X	CI26492 5X	05/10/21 21:52
26)	26	0510_26.D	SCSSV-06 184X	CI26496 184X	05/10/21 22:24
27)	27	0510_27.D	SCSSV-08 159.3X	CI26497 159.3X	05/10/21 22:57
28)	28	0510_28.D	xxxxxxxxxx		05/10/21 23:34
29)	29	0510_29.D	xxxxxxxxxx		05/11/21 0:29
30)	30	0510_30.D	xxxxxxxxxx		05/11/21 1:06
31)	31	0510_31.D	xxxxxxxxxx		05/11/21 1:44
32)	32	0510_32.D	xxxxxxxxxx		05/11/21 2:21
33)	33	0510_33.D	xxxxxxxxxx		05/11/21 2:58
34)	34	0510_34.D	xxxxxxxxxx		05/11/21 3:30
35)	35	0510_35.D	xxxxxxxxxx		05/11/21 4:01
36)	36	0510_36.D	xxxxxxxxxx		05/11/21 4:34
37)	37	0510_37.D	xxxxxxxxxx		05/11/21 5:05
38)	38	0510_38.D	xxxxxxxxxx		05/11/21 5:35
39)	39	0511_01.D	xxxxxxxxxx		05/11/21 6:09
40)	40	0511_02.D	xxxxxxxxxx		05/11/21 6:42
41)	41	0511_03.D	xxxxxxxxxx		05/11/21 7:18
42)	42	0511_04.D	xxxxxxxxxx		05/11/21 7:49
43)	43	0511_05.D	xxxxxxxxxx		05/11/21 8:20
44)	44	0511_06.D	xxxxxxxxxx		05/11/21 9:38
45)	45	0511_07.D	xxxxxxxxxx		05/11/21 10:14
46)	46	0511_08.D	xxxxxxxxxx		05/11/21 10:50
47)	47	0511_09.D	xxxxxxxxxx		05/11/21 11:22
48)	48	0511_10.D	xxxxxxxxxx		05/11/21 11:54
49)	49	0511_11.D	xxxxxxxxxx		05/11/21 14:30
50)	50	0511_12.D	xxxxxxxxxx		05/11/21 18:31
51)	51	0511_13.D	xxxxxxxxxx		05/11/21 19:03
52)	52	0511_14.D	xxxxxxxxxx		05/11/21 20:04
53)	53	0511_15.D	xxxxxxxxxx		05/11/21 20:41
54)	54	0511_16.D	xxxxxxxxxx		05/11/21 21:18
55)	55	0511_17.D	xxxxxxxxxx		05/11/21 21:55
56)	56	0511_18.D	xxxxxxxxxx		05/11/21 22:32
57)	57	0511_19.D	xxxxxxxxxx		05/11/21 23:04
58)	58	0511_20.D	xxxxxxxxxx		05/11/21 23:37
59)	59	0511_21.D	xxxxxxxxxx		05/12/21 0:48
60)	60	0511_22.D	xxxxxxxxxx		05/12/21 1:21
61)	61	0511_23.D	xxxxxxxxxx		05/12/21 2:00
62)	63	0511_24.D	xxxxxxxxxx		05/12/21 2:37
63)	64	0511_25.D	xxxxxxxxxx		05/12/21 3:09
64)	65	0512_01.D	xxxxxxxxxx		05/12/21 3:43
65)	66	0512_02.D	xxxxxxxxxx		05/12/21 4:15
66)	10	0512_03.D	xxxxxxxxxx		05/12/21 4:52
67)	68	0512_04.D	xxxxxxxxxx		05/12/21 5:23
68)	69	0512_05.D	xxxxxxxxxx		05/12/21 5:54

APPENDIX E
DATA USABILITY SUMMARY REPORT (SEPTEMBER 2021)

**BUILDING 710 (310 LINK) SPROUT CREEK
BAKERY INDOOR AIR QUALITY SAMPLING
DATA USABILITY SUMMARY REPORT**

AT

**PARK 84
FORMER IBM EAST FISHKILL FACILITY**

SEPTEMBER 2021

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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Data Usability Summary Report

Sub-Slab Soil Vapor and Indoor Air Quality Investigation
iPark 84, Former IBM East Fishkill Facility
Building 710 (formerly Building 330 Link) – Sprout Creek Bakery

This Data Usability Summary Report (DUSR) has been prepared to validate the results of indoor air quality (IAQ) testing and sub-slab soil vapor (SSV) sampling conducted at Building 710 (Formerly 330 Link) in the space to be occupied by Sprout Creek Bakery, a manufacturer of baked goods. This sampling was conducted on May 6, 2021, in order to evaluate sub-slab vapor conditions at select locations and to verify that IAQ is acceptable before Sprout Creek Bakery takes occupancy and begins operations. Walden completed the IAQ and SSV testing in accordance with the *RCRA Facility Investigation (RFI) VOC Source Assessment Work Plan* (RFI Work Plan, prepared on behalf of IBM) dated June 15, 2009, by Sanborn, Head Engineering, PC; the *Building 710 (Formerly 330 Link) La Milpa De Rosa Space Retrofit Activities Work Plan* (Walden, May 2020); discussions with NYSDEC regarding the State's request for additional SSV sampling; and Walden's letter to NYSDEC regarding pre-occupancy testing in the Building 710 (Formerly Building 330 Link) tenant spaces, which was approved by NYSDEC on April 19, 2021.

A summary of the Sprout Creek Bakery IAQ and SSV sampling results was submitted to NYSDEC and NYSDOH in a report dated June 25, 2021. NYSDEC approved occupancy of the Sprout Creek Bakery space in a letter dated July 30, 2021.

This DUSR has been prepared in accordance with NYSDEC 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 Ms. Lathika Varanasi (Walden), whose experience and qualifications to prepare the DUSR for this project are presented in the attached resume (see Attachment A). The sub-slab soil vapor and air samples collected for laboratory analysis were submitted to Phoenix Environmental Laboratories, Inc. (Phoenix) of Manchester, Connecticut, a NYSDOH Environmental Laboratory Approval Program (ELAP) certified laboratory (NY Lab Registration #11301), and analyzed for volatile organic compounds (VOCs) via modified EPA Method TO-15 (full list) to achieve lower reporting limits via selective ion monitoring for TCE, vinyl chloride and carbon tetrachloride. The IAQ sample reporting limits are set forth in the NYSDEC-approved testing plan approved on April 19, 2021.

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 sub-slab soil vapor samples and 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 the *Building 710 (Formerly 330 Link) La Milpa De Rosa Space Retrofit Activities Work 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. One (1) duplicate sample was collected in relation to eight (8) indoor air samples, two (2) SSV samples and one (1) outdoor air sample. 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. Although there were a

few QA/QC data outliers with respect to compliance to protocol-required criteria, all other QA/QC acceptance criteria were 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 and reliability 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 for indoor air samples in the NYSDEC approved *Building 710 (Formerly 330 Link) La Milpa De Rosa Space Retrofit Activities Work 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 indoor air samples collected during the May 6, 2021 pre-occupancy sampling for the Sprout Creek Bakery space in Building 710 (formerly Building 330 Link).

Summary

In summary, the analytical data package review conducted while preparing this DUSR found that no significant data deficiencies, analytical protocol deviations, or quality control problems impacted the quality of the data. No significant QC exceedances were identified and it was determined that the data should not be rejected.

Prepared by:



Lathika Varanasi, Ph.D.

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Attachment A

Resume of Environmental Professional



Lathika Varanasi, Ph.D. Project Engineer



Project Engineer with experience in energy recovery/energy auditing of water and wastewater treatment facilities, wastewater treatment and renewable energy. She also has a strong background in environmental remediation, technical writing, techno-economic feasibility studies, engineering data analysis, analytical and organic chemistry.

EDUCATION

Ph.D. in Environmental Engineering, Michigan Technological University

LICENSES/ CERTIFICATIONS

NYSDEC 4-Hour
Erosion and Sediment
Control Training

Confined Space
Trained General
Industry

NFPA 70E: Standard
for Electrical Safety in
the Workplace

OSHA 10 Hour
General Industry

OSHA 40 Hour
HAZWOPER

SELECTED RELEVANT EXPERIENCE

- **Energy optimization of Water and Wastewater Treatment Plants:** Conducted energy consumption and process evaluations for equipment and process systems of water and wastewater treatment facilities and associated Combined Heat and Power (CHP) systems. Developed energy efficiency funding applications and quantified energy savings associated with treatment and process equipment as well as lighting and HVAC systems of water and wastewater treatment facilities. Developed energy conservation measures and provided recommendations for alternative low energy technologies for the upgrade of process operations and performances of water and wastewater treatment facilities. Created operation and maintenance manuals for water and wastewater treatment facilities.
- **Environmental Impact Assessment:** Evaluated sustainability, techno-economic feasibility of solar energy systems and analyzed energy consumption data to optimize energy efficiency for clients.
- **Energy optimization of Sewage Treatment Plants:** Established potential areas of energy optimization through data analysis of the unit processes of sewage treatment plants (STP), including pumps, blowers and compressors. Developed technical summaries of STP facilities' site operating manuals. Designed a template with the layout of unit processes of a sewage treatment plant and highlighted segments of high energy consumption for the stakeholders.
- **Wastewater Treatment:** Designed bench scale UV/Advanced Oxidation Processes (UV/AOPs) and investigated transformation of dissolved organic matter (DOM) of secondary effluent wastewater in the UV/AOPs. Characterized DOM transformation using ultra-high-resolution mass spectrometer. Identified specific low-molecular weight organic acids and chlorinated by-products formed due to interaction of DOM with UV/AOPs. Analyzed the role of DOM in reducing the treatment efficiency of UV-AOPs. Developed methods for the application of analytical chemistry instruments for data analysis. Prepared research reports, grant proposals, research proposals and journal articles.
- **Renewable Energy Applications:** Identified, analyzed and applied renewable and energy efficient technologies (Solar, Biomass, Biogas, Solar-LED) for industrial and community use. Made site visits to evaluate clients' operations and provided appropriate recommendations based on clients' requirements and project viability. Prepared detailed project reports, presentations, techno-economic feasibility studies and financial projections. Secured funds for renewable energy projects in rural areas by applying for seed grants.