Building 745 (Formerly 334)
QD Industries Pre-Occupancy
Indoor Air Quality Testing
Summary Report

at

iPark 84
Former IBM East Fishkill Facility

September 2020
(Updated March 2021 to Include
Data Usability Summary REport)

Prepared for:

Jessica LaClair
New York State Dept. of Environmental Conservation
Dept. of Environmental Remediation
625 Broadway
Albany, New York 12233-7013

WALDEN ENVIRONMENTAL ENGINEERING, PLLC

Industry Leader in Environmental Engineering Consulting

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

September 8, 2020
iPARK0118.43

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 745 (Formerly Building 334) QD Industries
Pre-Occupancy Indoor Air Quality Testing
Summary Report

Dear Ms. LaClair:

Walden Environmental Engineering, PLLC (Walden) has prepared this letter to summarize the results of the indoor air quality (IAQ) testing conducted on August 17, 2020 within the QD Industries (QD) space in Building 745 (formerly Building 334). Building 745 is owned by iPark East Fishkill (iPark). QD Industries is leasing space in Building 745 on the first-floor level for a mask manufacturing operation. Refer to Figure 1 for the site location map. Following completion of interior construction in the QD space, IAQ testing was conducted prior to tenant occupancy at locations on the first floor and in the basement and sub-basement spaces beneath the building as required by NYSDEC and NYSDOH. The purpose of the testing was to verify that IAQ is acceptable before QD Industries takes occupancy and begins operating in the space.

Walden, at the request of iPark, performed the IAQ testing in accordance with the *RCRA Facility Investigation (RFI) VOC Source Assessment Work Plan* (RFI Work Plan) dated June 15, 2009, prepared by Sanborn, Head Engineering, PC and Walden's IAQ Testing Plan letter (Testing Plan, dated July 9, 2020), which was approved by NYSDEC on July 23, 2020. A copy of the approved Testing Plan is included in Appendix A.

Summary of HVAC Conditions and Building Inventory

The QD Industries space in Building 745 is served by the existing HVAC system which has been re-energized. One unit (Unit #4) serves the space. Additionally, there are recirculation units

within the manufacturing space to achieve desired air quality. The HVAC system was operating during the IAQ sampling.

With the exception of incidental cleaning and sanitizing agents, chemicals are not stored within this tenant space. During the sampling, floor degreasers and materials associated with final machine construction were observed at the periphery of the QD 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 IAQ Testing

IAQ testing was conducted in accordance with the procedures outlined in the NYSDEC-approved RFI Work Plan and Testing Plan. Samples were collected using 6-liter, individually certified clean, stainless-steel Summa® canisters. The Summa® canisters were calibrated by the laboratory with individually certified 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 ten (10) locations throughout the QD space on the first floor and in the underlying basement and sub-basement areas, as depicted on Figures 2 and 3:

Sample ID	Representative Square Footage, approximate (ft^2)	Area Use
IA-1	576	Reception and office area
IA-2	10,536	Eastern portion of the manufacturing area
IA-3	10,331	Western portion of the manufacturing area
IA-4	5,453	Western common space
IA-5	4,224	Storage space
IA-6	3,727	Southeastern common space
IA-7	9,400	Southern basement space
IA-8	9,400	Northern basement space
IA-9	2,500	Eastern sub-basement space
IA-10	2,500	Western sub-basement space

A duplicate sample (DUPLICATE) was collected at location IA-5: Storage space. One (1) outdoor ambient air sample (AA-01) was collected adjacent to one of the 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 QD space and basement/sub-basement spaces and had the potential to impact the IAQ results. The following PID readings were recorded:

Sample ID	PID Reading (ppm)
IA-1	0.0
IA-2	0.0
IA-3	0.0
IA-4	0.0
IA-5	0.0
IA-6	0.0
IA-7	0.0
IA-8	0.0
IA-9	0.0
IA-10	0.0
AA-01	0.0

The PID screening measurements indicated no apparent air quality impacts. The presence of cleaning products and degreasers 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 laboratory analytical data are provided in Table 2. 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 QD 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 QD IAQ data compared to the 75th, 90th, 95th and 99th percentile indoor air BASE concentrations for reference in comparing the VOC data to typical indoor background concentrations.

All of the VOC concentrations detected in the QD IAQ samples were within or below the range of background concentrations listed in the USEPA BASE database as noted in Table 2, indicating that indoor air quality is acceptable. The data do not indicate any difference in indoor air quality reported for the first floor and basement/sub-basement sampling locations. Based on the results from the pre-occupancy IAQ testing presented herein, please confirm that the QD space within Building 745 (334) is suitable for tenant occupancy.

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

Very truly yours,
Walden Environmental Engineering, PLLC

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

Attachments:
Figure 1 – Site Location Map
Figure 2 – IAQ Sampling Locations in QD Industries First Floor Space Figure 3 – IAQ Sampling Locations in Basement/Sub-basement Areas

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

Appendix A - IAQ Testing Plan (Walden, July 9, 2020)
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 March 2021)

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

N

0 30 60 120 180

SCALE: 1"=60'

SITE PLAN

SCALE: 1" = 60'-0"

WALDEN ENVIRONMENTAL ENGINEERING, PLLC
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Walden Environmental Engineering

REVISION		
No.	DATE	COMMENTS

FOR: BUILDING 745 (FORMER 334)
iPark 84 Campus
2070 State Route 52
Hopewell Junction, NY 12533

DRAWING TITLE: SITE PLAN
BUILDING 745 (334)
QD INDUSTRIES

FIGURE NO: 1

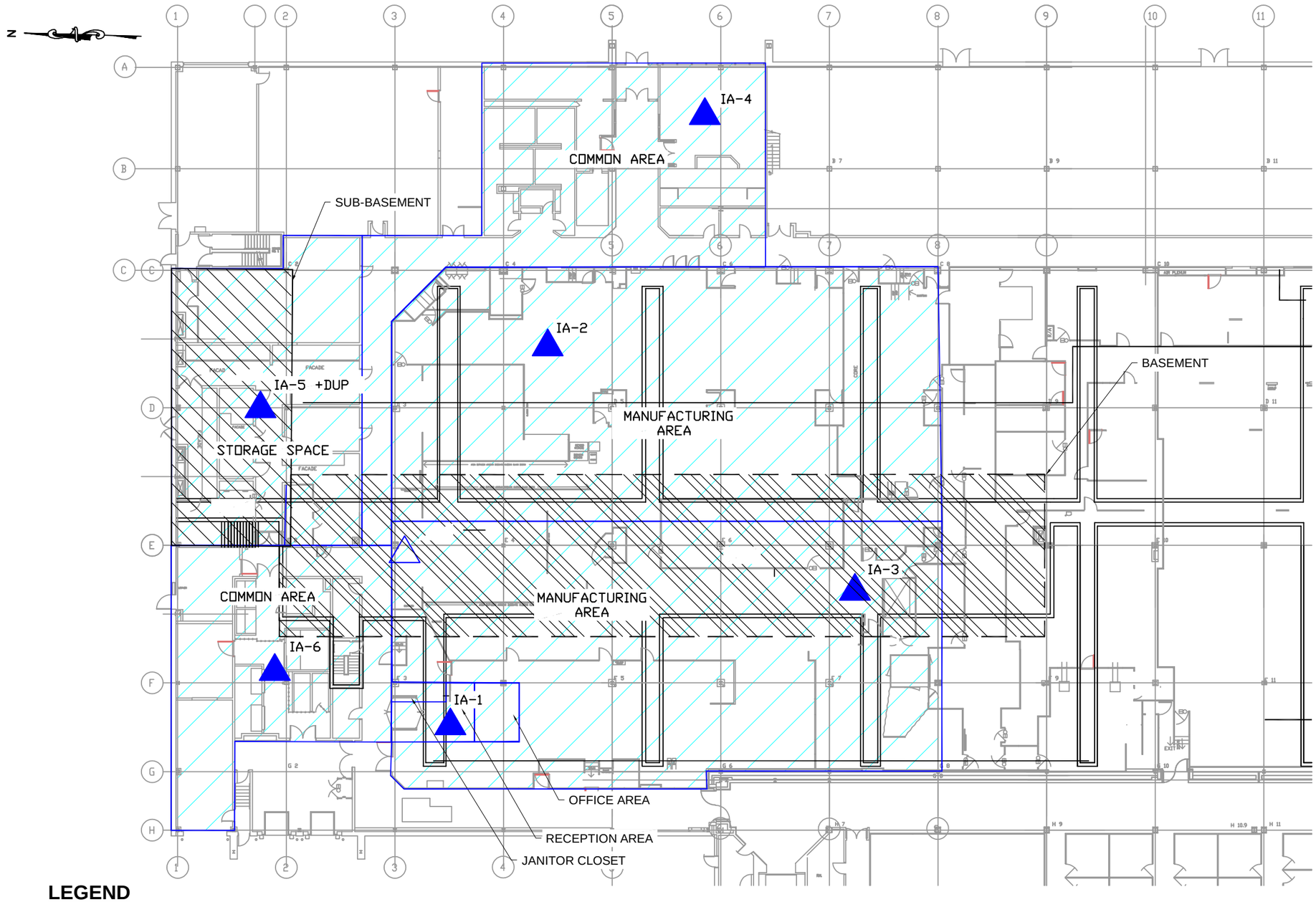
ISSUED

REVISION NO: 0

DESIGNED BY: NMB | DRAWN BY: EJK | JOB NO: IPARK118.43 | DATE: 2/5/20 | 11x17 | SHEET NO: 1 OF 1

APPROVED BY: JMH | SCALE: AS NOTED

CAD FILE NAME: Z:\iPark\118\iPark0118.43 - Bldg 334\Site Plan.dwg



AREA BY SQUARE FEET

SAMPLE ID	REPRESENTATIVE SQUARE FOOTAGE (FT^2)	AREA USE
IA-1	576	RECEPTION, JANITOR CLOSET AND OFFICE AREA
IA-2	10,536	EASTERN PORTION OF THE MANUFACTURING AREA
IA-3	10,331	WESTERN PORTION OF THE MANUFACTURING AREA
IA-4	5,453	EASTERN COMMON AREA
IA-5	4,224	STORAGE SPACE
IA-6	3,727	WESTERN COMMON SPACE
IA-7	9,400	BASEMENT
IA-8	9,400	BASEMENT
IA-9	2,500	BOTTOM OF STAIRWELL IN SUB-BASEMENT
IA-10	2,500	SUB-BASEMENT

LEGEND

- SAMPLING LOCATIONS
- AREA OUTLINE
- QD INDUSTRIES
- UNDERLYING SUB-BASEMENT LEVEL
- UNDERLYING BASEMENT LEVEL

IAQ SAMPLING LOCATIONS ON FIRST FLOOR

SCALE: 1" = 30'-0"

Walden Environmental Engineering

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0 15 30 60 90

SCALE: 1"=30'-0"

NO	DATE	REVISION COMMENTS

FOR:
IPARK CAMPUS
2070 ROUTE 52
HOPEWELL JUNCTION, NEW YORK

DRAWING TITLE:
IAQ SAMPLING LOCATIONS
BUILDING 745 QD INDUSTRIES

DRAWING NO: 2

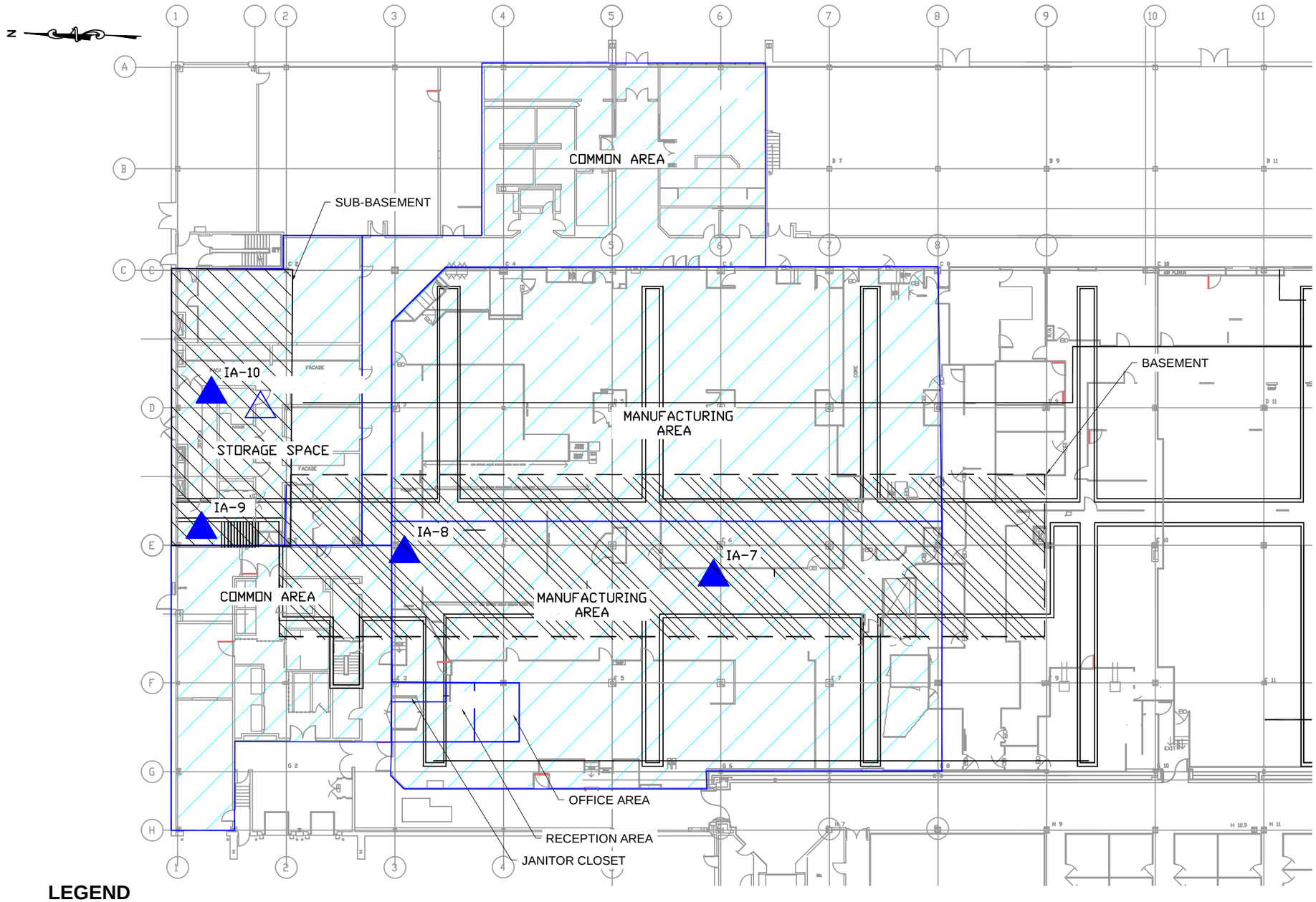
ISSUED

REVISION NO: 0

DESIGNED BY: EMJ/ EJK | DRAWN BY: EJK | JOB NO: iPARK0118.43 | DATE: 9/3/20 | 11x17

APPROVED BY: NB | SCALE: AS NOTED

CAD FILE NAME: Z:\iPark0118\iPark0118.43 - Bldg 334 - 60 day and SWMU Work Plan\IAQ Preoccupancy Sampling Plan\proposed iaq sampling location qd industries.dwg



AREA BY SQUARE FEET

SAMPLE ID	REPRESENTATIVE SQUARE FOOTAGE (FT^2)	AREA USE
IA-1	576	RECEPTION, JANITOR CLOSET AND OFFICE AREA
IA-2	10,536	EASTERN PORTION OF THE MANUFACTURING AREA
IA-3	10,331	WESTERN PORTION OF THE MANUFACTURING AREA
IA-4	5,453	EASTERN COMMON AREA
IA-5	4,224	STORAGE SPACE
IA-6	3,727	WESTERN COMMON SPACE
IA-7	9,400	BASEMENT
IA-8	9,400	BASEMENT
IA-9	2,500	BOTTOM OF STAIRWELL IN SUB-BASEMENT
IA-10	2,500	SUB-BASEMENT

LEGEND

- SAMPLING LOCATIONS
- AREA OUTLINE
- QD INDUSTRIES
- SUB-BASEMENT LEVEL
- BASEMENT LEVEL

IAQ SAMPLING LOCATIONS IN BASEMENT AREAS

SCALE: 1" = 30'-0"

Walden Environmental Engineering

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0 15 30 60 90

SCALE: 1"=30'-0"

NO	DATE	REVISION COMMENTS

FOR:
IPARK CAMPUS
2070 ROUTE 52
HOPEWELL JUNCTION, NEW YORK

DRAWING TITLE:
IAQ SAMPLING LOCATIONS
BUILDING 745 QD INDUSTRIES

DRAWING NO: 3

ISSUED

REVISION NO: 0

DESIGNED BY: EMJ/ EJK | DRAWN BY: EJK | JOB NO: iPARK0118.43 | DATE: 9/3/20 | 11x17

APPROVED BY: NB | SCALE: AS NOTED

CAD FILE NAME: Z:\iPark0118\iPark0118.43 - Bldg 334 - 60 day and SWMU Work Plan\IAQ Preoccupancy Sampling Plan\proposed iaq sampling location qd industries.dwg

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

TABLE 1
SUMMARY OF INDOOR AIR SAMPLE INFORMATION (AUGUST 17, 2020)
BUILDING 745 (FORMER 334) - QD INDUSTRIES

Sample Location	Building Floor	Sample Matrix	Canister Number	Regulator Number	Sample Height (feet above floor)	Start Time (24-hour format)	Start Pressure (mmHg)	PID Reading (ppm)	Stop Time (24-hour format)	Stop Pressure (mmHg)	Temperature (°F)	Location Description	Chemicals Observed Near Sample Location
IA-1	Ground	Indoor Air	28581	6987	2.5	8:45	-29	0.0	15:10	-9	72	Reception and office area	Sanitizing and cleaning products
IA-2	Ground	Indoor Air	28623	7020	2.5	8:36	-30	0.0	15:24	-9	72	Eastern portion of the manufacturing area	None observed
IA-3	Ground	Indoor Air	28571	7023	2.5	8:47	-28	0.0	15:11	-8	72	Western portion of the manufacturing area	Degreasing products
IA-4	Ground	Indoor Air	9767	7011	2.5	8:32	-30	0.0	15:05	-8.5	72	Western common space	None observed
IA-5	Ground	Indoor Air	471	3502	2.5	8:38	-30	0.0	15:08	-9	72	Storage space	None observed
IA-6	Ground	Indoor Air	23352	4987	2.5	8:42	-30	0.0	15:26	-9	72	Southeastern common space	None observed
IA-7	Basement	Indoor Air	215	5600	2.5	9:18	-27	0.0	15:20	-8	70	Southern Basement Space	None observed
IA-8	Basement	Indoor Air	19426	7004	2.5	9:16	-30	0.0	15:48	-8.5	70	Northern Basement Space	None observed
IA-9	Sub-Basement	Indoor Air	11292	3510	2.5	9:14	-30	0.0	15:48	-9	70	Eastern Sub-Basement Space	None observed
IA-10	Sub-Basement	Indoor Air	19859	7027	2.5	9:12	-30	0.0	15:46	-9	70	Western Sub-Basement Space	None observed
Duplicate	Ground	Indoor Air	19854	4976	2.5	8:38	-29	0.0	15:08	-9	72	Storage space	None observed
Ambient Air	Ground	Ambient Air	13639	5673	1	10:12	-30	0.0	16:43	-9.5	80 (AM), 85 (PM)	NW Front of Building	None observed
Field Blank	Ground	Nitrogen	23350	6990	NA	7:45	-29	0.0	8:15	-9	72		

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

TABLE 2
SUMMARY OF IAQ ANALYSIS (AUGUST 17, 2020)
BUILDING 745 (FORMER 334) - QD INDUSTRIES

	CAS Registry Number	NYSDOH Air Guideline Value	USEPA BASE Database Tables - Typical Background Concentrations for Indoor Air				Collection Date Sample ID Matrix	8/17/2020 IA-1 Air		8/17/2020 IA-2 Air		8/17/2020 IA-3 Air		8/17/2020 IA-4 Air		8/17/2020 IA-5 Air		8/17/2020 DUPLICATE Air		8/17/2020 IA-6 Air	
			75th Percentile	90th Percentile	95th Percentile	99th Percentile	Location	Reception and office area		Eastern portion manufacturing area		Western portion manufacturing area		Western common space		Storage space		Storage space		Southeastern common space	
							Units	Result	RL	Result	RL		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
1,1-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
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
1,2-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
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
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
Acetone	67-64-1		59.8	98.9	120.2	226.6	ug/m3	16.9	2.37	14.5	2.37	14.7	2.37	16.7	2.37	16.6	2.37	14.8	2.37	30.6	2.37
Benzene	71-43-2		5.1	9.4	12.5	25.0	ug/m3	0.25	0.16	0.23	0.16	0.27	0.16	0.28	0.16	0.24	0.16	0.21	0.16	0.27	0.16
Carbon Tetrachloride	56-23-5		<1.1	<1.3	0.7	0.9	ug/m3	0.53	0.13	0.52	0.13	0.51	0.13	0.53	0.13	0.52	0.13	0.52	0.13	0.54	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
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
Dichlorodifluoromethane	75-71-8		10.5	16.5	32.9	81.3	ug/m3	3.78	0.99	4.09	0.99	3.74	0.99	4.67	0.99	4.27	0.99	4.04	0.99	3.77	0.99
Ethylbenzene	100-41-4		3.4	5.7	7.6	18.5	ug/m3	< 0.65	0.65	< 0.65	0.65	< 0.65	0.65	< 0.65	0.65	< 0.65	0.65	< 0.65	0.65	< 0.65	0.65
m,p-Xylene	179601-23-1		12.2	22.2	28.5	67.6	ug/m3	0.66	0.65	< 0.65	0.65	< 0.65	0.65	< 0.65	0.65	< 0.65	0.65	< 0.65	0.65	< 0.65	0.65
Methylene Chloride	75-09-2	60	5.0	10.0	16.0	1155.6	ug/m3	< 1.39	1.39	< 1.39	1.39	< 1.39	1.39	< 1.39	1.39	< 1.39	1.39	< 1.39	1.39	< 1.39	1.39
o-Xylene	95-47-6		4.4	7.9	11.2	20.1	ug/m3	< 0.65	0.65	< 0.65	0.65	< 0.65	0.65	< 0.65	0.65	< 0.65	0.65	< 0.65	0.65	< 0.65	0.65
Tetrachloroethene	127-18-4	30	5.9	15.9	25.4	55.6	ug/m3	< 0.68	0.68	< 0.68	0.68	< 0.68	0.68	< 0.68	0.68	< 0.68	0.68	< 0.68	0.68	< 0.68	0.68
Toluene	108-88-3		25.9	43.0	70.8	348.9	ug/m3	0.85	0.75	< 0.75	0.75	0.81	0.75	< 0.75	0.75	0.76	0.75	< 0.75	0.75	1.01	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
Trichlorofluoromethane	75-69-4		6.7	18.1	54.0	860.6	ug/m3	32.1	0.84	34.5	0.84	32	0.84	41.9	0.84	48.1	0.84	48.6	0.84	28.3	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
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

Notes:

Concentrations are provided in micrograms per cubic meter ($\mu g/m^3$).

Highlighted analytes are included in the NYSDOH Decision Matrices.

Result Detected

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

TABLE 2
SUMMARY OF IAQ ANALYSIS (AUGUST 17, 2020)
BUILDING 745 (FORMER 334) - QD INDUSTRIES

			USEPA BASE Database Tables - Typical Background Concentrations for Indoor Air				Collection Date	8/17/2020		8/17/2020		8/17/2020		8/17/2020		8/17/2020		8/17/2020	
							Sample ID	IA-7		IA-8		IA-9		IA-10		AA-01		FB-01	
							Matrix	Air		Air		Air		Air		Air		Air	
	CAS Registry Number	**NYSDOH Air Guideline Value**	75th Percentile	90th Percentile	95th Percentile	99th Percentile	Location	Southern Basement Space		Northern Basement Space		Eastern sub-basement space		Western sub-basement space		NW Front of Building HVAC Intake		Nitrogen Field Blank	
							Units	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
1,1-Dichloroethene	75-35-4		<1.2	<1.4	<1.6	<1.7	ug/m3	< 0.20	0.20	< 0.20	0.20	< 0.20	0.20	< 0.20	0.20	< 0.20	0.20	< 0.20	0.20
1,2,4-Trichlorobenzene	120-82-1		<1.2	<6.8	<7.2	<8.1	ug/m3	< 1.85	1.85	< 1.85	1.85	< 1.85	1.85	< 1.85	1.85	< 1.85	1.85	< 1.85	1.85
1,2-Dichlorobenzene	95-50-1		<1.0	<1.2	<1.3	10.5	ug/m3	< 0.90	0.90	< 0.90	0.90	< 0.90	0.90	< 0.90	0.90	< 0.90	0.90	< 0.90	0.90
1,3-Dichlorobenzene	541-73-1		<1.1	<2.4	<2.5	<2.8	ug/m3	< 0.90	0.90	< 0.90	0.90	< 0.90	0.90	< 0.90	0.90	< 0.90	0.90	< 0.90	0.90
1,4-Dichlorobenzene	106-46-7		1.4	5.5	12.5	80.5	ug/m3	< 0.90	0.90	< 0.90	0.90	< 0.90	0.90	< 0.90	0.90	< 0.90	0.90	< 0.90	0.90
Acetone	67-64-1		59.8	98.9	120.2	226.6	ug/m3	12	2.37	14.2	2.37	16.5	2.37	17.9	2.37	11.2	2.37	< 2.37	2.37
Benzene	71-43-2		5.1	9.4	12.5	25.0	ug/m3	0.26	0.16	0.29	0.16	0.27	0.16	0.22	0.16	0.16	0.16	1.45	0.16
Carbon Tetrachloride	56-23-5		<1.1	<1.3	0.7	0.9	ug/m3	0.54	0.13	0.5	0.13	0.54	0.13	0.52	0.13	0.52	0.13	0.13	0.13
Chlorobenzene	108-90-7		<0.8	<0.9	<1.0	1.0	ug/m3	< 0.92	0.92	< 0.92	0.92	< 0.92	0.92	< 0.92	0.92	< 0.92	0.92	< 0.92	0.92
Cis-1,2-Dichloroethene	156-59-2		<1.2	<1.9	<2.0	<2.2	ug/m3	< 0.20	0.20	< 0.20	0.20	< 0.20	0.20	< 0.20	0.20	< 0.20	0.20	< 0.20	0.20
Dichlorodifluoromethane	75-71-8		10.5	16.5	32.9	81.3	ug/m3	3.78	0.99	3.98	0.99	3.91	0.99	6.52	0.99	1.78	0.99	< 0.99	0.99
Ethylbenzene	100-41-4		3.4	5.7	7.6	18.5	ug/m3	< 0.65	0.65	< 0.65	0.65	< 0.65	0.65	< 0.65	0.65	< 0.65	0.65	< 0.65	0.65
m,p-Xylene	179601-23-1		12.2	22.2	28.5	67.6	ug/m3	0.73	0.65	< 0.65	0.65	0.72	0.65	1.91	0.65	< 0.65	0.65	1.9	0.65
Methylene Chloride	75-09-2	60	5.0	10.0	16.0	1155.6	ug/m3	< 1.39	1.39	1.51	1.39	2.43	1.39	< 1.39	1.39	3.46	1.39	2.5	1.39
o-Xylene	95-47-6		4.4	7.9	11.2	20.1	ug/m3	< 0.65	0.65	< 0.65	0.65	< 0.65	0.65	0.79	0.65	< 0.65	0.65	1.27	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	1.03	0.68
Toluene	108-88-3		25.9	43.0	70.8	348.9	ug/m3	0.92	0.75	0.93	0.75	1.01	0.75	1.22	0.75	< 0.75	0.75	2.48	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
Trichlorofluoromethane	75-69-4		6.7	18.1	54.0	860.6	ug/m3	30.9	0.84	31.8	0.84	33.7	0.84	44.6	0.84	1.78	0.84	< 0.84	0.84
Trichlorotrifluoroethane	76-13-1		<3.0	3.5	9.4	19.7	ug/m3	< 1.15	1.15	< 1.15	1.15	< 1.15	1.15	< 1.15	1.15	< 1.15	1.15	< 1.15	1.15
Vinyl Chloride	75-01-4		<1.0	<1.9	<2.2	<2.6	ug/m3	< 0.05	0.05	< 0.05	0.05	< 0.05	0.05	< 0.05	0.05	< 0.05	0.05	< 0.05	0.05

Notes:

Concentrations are provided in micrograms per cubic meter ($\mu g/m^3$).

Highlighted analytes are included in the NYSDOH Decision Matrices.

Result Detected

APPENDIX A

IAQ TESTING PLAN (WALDEN, JULY 9, 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 I F: (518) 402-9773
www.dec.ny.gov

July 23, 2020

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

Re: Building 334 – QD Industries
Indoor Air Quality Testing 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 and Department of Health (Departments) have reviewed the Indoor Air Quality (IAQ) Testing Plan submitted by Walden Environmental Engineering, PLLC on behalf of National Resources on July 9, 2020. The Departments have also reviewed the additional information provided by Walden Environmental Engineering via email on July 17, 2020. The IAQ testing plan will evaluate the indoor air quality in QD Industries lease space within Building 334. QD Industries will be manufacturing face masks.

This IAQ Testing Plan is conditionally approved with the inclusion of a representative number of additional indoor air samples in the basement and sub-basement. If you have any questions, please feel free to contact me at (518) 402-9821.

Sincerely,

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. Kenney, NYSDOH
M. Schuck, NYSDOH

WALDEN ENVIRONMENTAL ENGINEERING

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

July 9, 2020
iPARK0118.43

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 745 (Formerly Building 334) – QD Industries
Indoor Air Quality Testing Plan

Dear Ms. LaClair:

Walden Environmental Engineering, PLLC (Walden) has prepared this letter to summarize the Indoor Air Quality (IAQ) testing proposed to evaluate indoor air quality within Building 745 (Formerly Building 334) at the Former IBM East Fishkill facility (Facility). A manufacturer of face masks (QD Industries) that will employ approximately twelve (12) people plans to lease 37,760 ft^2 of space in Building 745. It is understood that NYSDEC and NYSDOH require this sampling to be completed and the results reported to the State to verify that IAQ is acceptable in this space.

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

The proposed IAQ sampling locations are shown on Figure 1 and listed below. The actual sampling locations will be determined in the field. Any significant changes from the locations shown on Figure 1 will be discussed with NYSDEC and NYSDOH to gain the State's concurrence before sample collection begins. The QD Industries space in Building 745 is served by the existing HVAC system which will be re-energized. One unit (Unit #4) serves the space. Additionally, there are recirculation units within the manufacturing space to achieve desired air quality. The HVAC system

WALDEN ENVIRONMENTAL ENGINEERING

will be operating during the IAQ sampling. Building 334 is not served by any Sub Slab Depressurization Systems (SSDS).

Sample ID	Representative Square Footage (ft^2)	Area Use
IA-1	576	Reception and office area
IA-2	10,536	Eastern portion of the manufacturing area
IA-3	10,331	Western portion of the manufacturing area
IA-4	5,453	Western common space
IA-5	4,224	Storage space
IA-6	3,727	Southeastern common space

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

All samples will be submitted to Phoenix Labs of Manchester, CT, a NYSDOH ELAP certified laboratory (NYSDOH ELAP #11301) for analysis of VOC analytes via Method TO-15 (full list). A modified Method TO-15 as specified in the June 2009 *RFI Work Plan* will be used to achieve lower reporting limits via selective ion monitoring for TCE, vinyl chloride and carbon tetrachloride. The IAQ data will be evaluated, validated and presented in a summary report that will be submitted to NYSDEC and NYSDOH for review. Data generated during these Building 745 IAQ sampling activities will be shared with IBM. Note that iPark will provide the results of the IAQ sampling to the tenant within 45 days of receiving the validated data.

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

Very truly yours,
Walden Environmental Engineering, PLLC

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

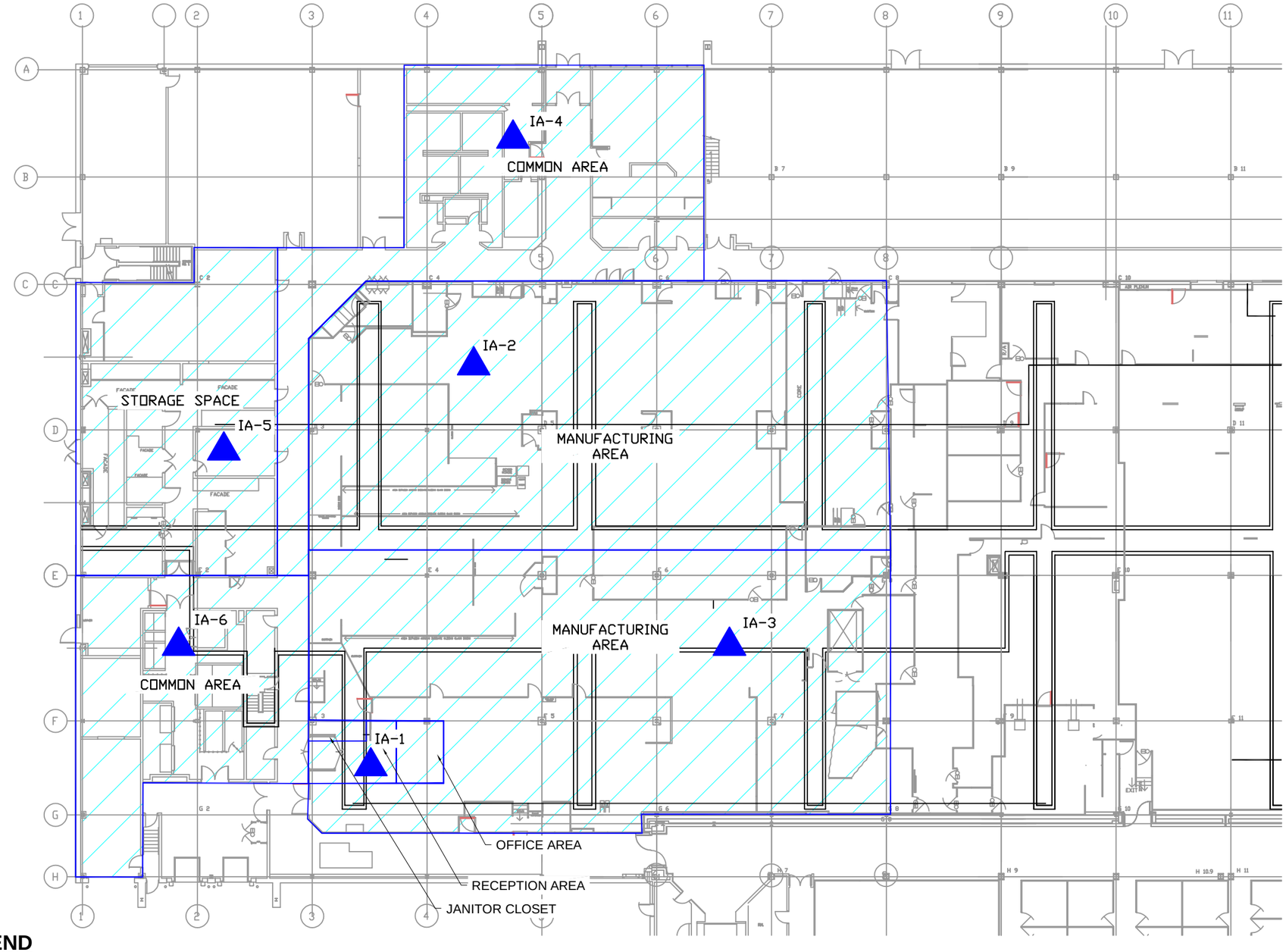
WALDEN ENVIRONMENTAL ENGINEERING

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

Z:\Ipark0118\Ipark0118.43 - Bldg 334 - 60 Day And SWMU Work Plan\IAQ Preoccupancy Sampling Plan\B334 IAQ Testing Plan Letter 7.9.2020.Docx

FIGURE 1

PROPOSED IAQ SAMPLING LOCATIONS



N

AREA BY SQUARE FEET

SAMPLE ID	REPRESENTATIVE SQUARE FOOTAGE (FT^2)	AREA USE
IA-1	576	RECEPTION, JANITOR CLOSET AND OFFICE AREA
IA-2	10,536	EASTERN PORTION OF THE MANUFACTURING AREA
IA-3	10,331	WESTERN PORTION OF THE MANUFACTURING AREA
IA-4	5,453	EASTERN COMMON AREA
IA-5	4,224	STORAGE SPACE
IA-6	3,727	WESTERN COMMON SPACE

LEGEND

PROPOSED SAMPLING LOCATIONS

AREA OUTLINE

QD INDUSTRIES

PROPOSED IAQ SAMPLING LOCATIONS

SCALE: 1" = 30'-0"

Walden Environmental Engineering

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
WWW.WALDENENVIRONMENTALENGINEERING.COM

0 15 30 60 90

SCALE: 1"=30'-0"

NO	DATE	REVISION COMMENTS

FOR:
IPARK CAMPUS
2070 ROUTE 52
HOPEWELL JUNCTION, NEW YORK

DRAWING TITLE:
PROPOSED IAQ SAMPLING LOCATIONS
BUILDING 745 QD INDUSTRIES

DRAWING NO: 1

ISSUED

REVISION NO: 0

DESIGNED BY: EMJ/ EJK | DRAWN BY: EJK | JOB NO: iPARK0118.43 | DATE: 6/25/20 | 11x17

APPROVED BY: NB | SCALE: AS NOTED

CAD FILE NAME: Z:\iPark0118\iPark0118.43 - Bldg 334 - 60 day and SWMU Work Plan\IAQ Preoccupancy Sampling Plan\proposed iaq sampling location qd industries.dwg

APPENDIX B

INDOOR AIR QUALITY QUESTIONNAIRE AND BUILDING INVENTORY

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

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

Preparer's Name Erica Johnston Date/Time Prepared 8/17/2020 11:00

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

Purpose of Investigation IAQ Testing

1. OCCUPANT:

Interviewed: Y / (N)

Last Name: _____ First Name: _____

Address: _____

County: _____

Home Phone: _____ 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: Montefusco First Name: Shawn

Address: 200 North Drive Hopewell Junction, NY 12533

County: Dutchess

Home Phone: 845-765-2110 Office Phone: _____

3. BUILDING CHARACTERISTICS

Type of Building: (Circle appropriate response)

Residential	School	Commercial/Multi-use
Industrial	Church	(Other:) Manufacturing (masks)

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

Ranch	2-Family	3-Family
Raised Ranch	Split Level	Colonial
Cape Cod	Contemporary	Mobile Home
Duplex	Apartment House	Townhouses/Condos
Modular	Log Home	Other:_____

If multiple units, how many? _____ N/A

If the property is commercial, type?

Business Type(s) Mask Manufacturing

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

Other characteristics:

Number of floors 1 + basement + sub-basement 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

stair wells / previously cleared out trenches

Airflow near source

N/A

Outdoor air infiltration

open doors, moderate

Infiltration into air ducts

moderate - HVAC open trench

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 partial
c. Basement floor:	concrete	dirt	stone	other _____
d. Basement floor:	uncovered	covered	covered with _____	
e. Concrete floor:	unsealed	sealed	sealed with unknown	
f. Foundation walls:	poured	block	stone	other _____
g. Foundation walls:	unsealed	sealed	sealed with unknown	
h. The basement is:	wet	damp	dry	moldy
i. The basement is:	finished	unfinished	partially finished	
j. Sump present?	Y / N			
k. Water in sump?	Y / N / not applicable			

Basement/Lowest level depth below grade: ~30' (feet)

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)

Hot air circulation	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 _____
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.

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	vacant/pipes for IW/chemicals. Subbasement holds tanks
1st Floor	QD industries/vacant
2nd Floor	n/a
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 #2 fuel tank in subbasement

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? QD Industries

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? Interior walls

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: _____

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

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

9. WATER AND SEWAGE

Water Supply: (Public Water) Drilled Well Driven Well Dug Well Other: _____

Sewage Disposal: (Public Sewer) Septic Tank Leach Field Dry Well Other: _____

10. RELOCATION INFORMATION (for oil spill residential emergency)

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

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

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

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

11. FLOOR PLANS

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

Basement:

See attached

First Floor:

See attached

12. OUTDOOR PLOT

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

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

See attached.

13. PRODUCT INVENTORY FORM

Make & Model of field instrument used: MiniRae 3000

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

Location	Product Description	Size (units)	Condition*	Chemical Ingredients	Field Instrument Reading (units)	Photo** Y / N
basement	penetrating lubricant	11oz	U	petrolleundistallates	0.0	Y
main floor	oil degreaser	2.5g	U	Nublend	0.0	Y
	tire mark remover	32 oz	U	NA Bioindustries	0.0	Y
	glass cleaner	1 g	U	easyglide	0.0	Y
	multisurface floor care	32 oz	U	simple green	0.0	Y
	glass cleaner w/ ammonia	32oz	U	simply done	0.0	Y
	(3) concrete stain	1 gal	UO	BEHR Premium	0.0	Y
	adhesive remover	24 Fl.oz	U	Goo gone	0.0	Y
	Gorilla glue	4 floz	U	Gorilla	0.0	Y
	hand sanitizer	16 floz	U	Santi Hands	0.0	Y
	(2) Pro Form	4 gal	U	adhesive/poxy	0.0	Y
	Fire extinguishers		U	all have own ingredients	0.0	Y
	1- dry chem		U	for what they are for		Y
	8 - CO_2		U			Y
	1 - AFFF/ABC		U			Y
sub basement	fuel tank	500g	U	storage tank	0.0	Y
	sanitary waste tank		U	storage tank	0.0	Y

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

Indoor Air Quality Questionnaire and Building Inventory
Product Inventory Photographs - August 17, 2020
Former IBM East Fishkill Facility – Building 745 (334) - QD Industries

Photo #1: IA-3, Western portion of the manufacturing area

Photo #2: IA-8, Northern basement space

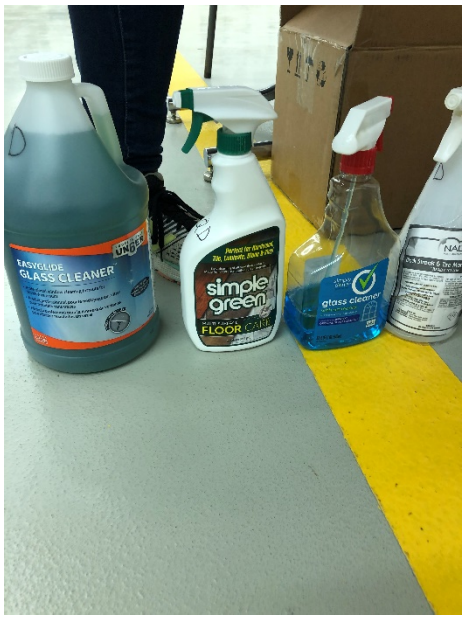


Photo #3: IA-1, Office/Reception, Janitor Closet Area

Photo #4: IA-1, Office/Reception, Janitor Closet Area

Photo #5: IA-1, Office/Reception, Janitor Closet Area

Photo #6: IA-1, Office/Reception, Janitor Closet Area

Photo #7: IA-1, Office/Reception, Janitor Closet Area

Photo #8: Collective fire extinguishers near IA-2

Photo #9: IA-10, Western sub-basement space

Photo #10: IA-10, Western sub-basement space

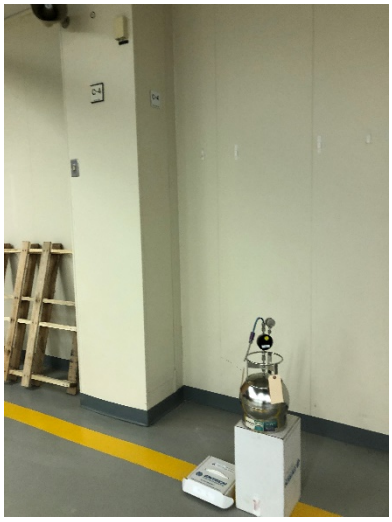
APPENDIX C
PHOTOGRAPHIC LOG OF SAMPLING LOCATIONS

Site Photographs
Building 745 (334), QD INDUSTRIES – August 17, 2020

Photograph #1

Sample Location IA-1,
Reception and office area

Photograph #2

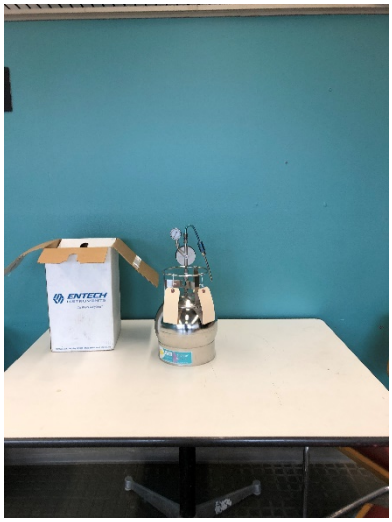


Sample Location IA-2,
Eastern portion of the manufacturing area

Photograph #3

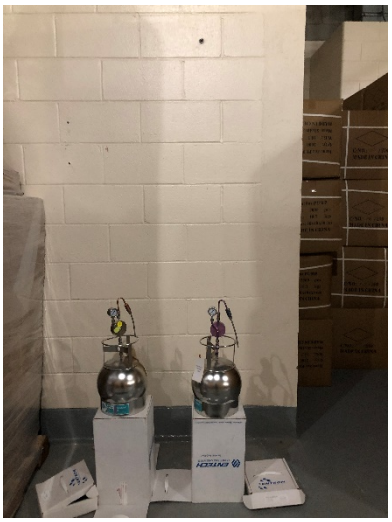
Sample Location IA-3,
Western portion of the manufacturing area

Photograph #4



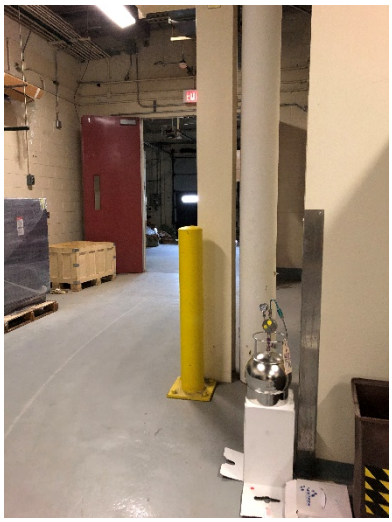
Sample Location IA-4,
Western common space

Photograph #5



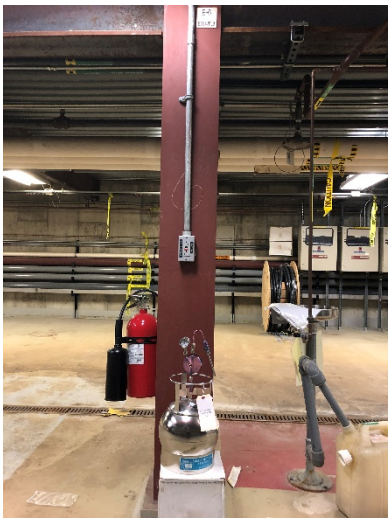
Sample Location IA-5,
Storage space

Photograph #6



Sample Location IA-6,
Southeastern common space

Photograph #7

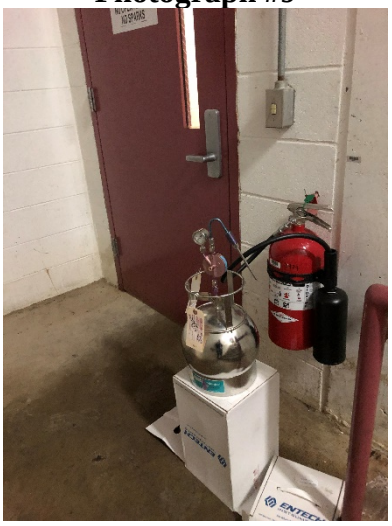


Sample Location IA-7,
Southern basement space

Photograph #8

Sample Location IA-8,
Northern basement space

Photograph #9



Sample Location IA-9,
Eastern sub-basement space

Photograph #10

Sample Location IA-10,
Western sub-basement space

Photograph #11

Sample Location AA-01,
NW front of building

APPENDIX D
LABORATORY ANALYTICAL REPORT (CATEGORY B DELIVERABLES)

PHOENIX
Environmental Laboratories, Inc.

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

NY ANALYTICAL SERVICES PROTOCOL DATA PACKAGE

Walden Environmental Engineering PLLC

IPARK 0118.43 QD INDUSTRIES

GCG56071

Ver 2

Data Package Table of Contents

PHOENIX
Environmental Laboratories, Inc.

Tuesday, December 08, 2020

Attn: Erica Johnston
Walden Environmental Engineering PLLC
16 Spring Street
Oyster Bay, NY 11771

Project ID: **IPARK 0118.43 QD INDUSTRIES**
SDG ID: **GCG56071**
Sample ID#s: CG56071 - CG56083

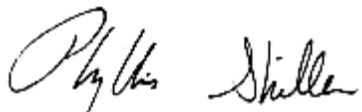
This laboratory is in compliance with the NELAC requirements of procedures used except where indicated.

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

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

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

Sincerely yours,



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

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

NY ANALYTICAL SERVICES PROTOCOL
DATA PACKAGE

Client: Walden Environmental Engineering PLLC

Project: IPARK 0118.43 QD INDUSTRIES

Laboratory Project: GCG56071

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

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

NY Analytical Services Protocol Format

December 08, 2020 **SDG I.D.: GCG56071**

Walden Environmental Engineering PLLC IPARK 0118.43 QD INDUSTRIES

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

NY # 11301

NY Analytical Services Protocol Format

December 08, 2020 **SDG I.D.: GCG56071**

Walden Environmental Engineering PLLC IPARK 0118.43 QD INDUSTRIES

Laboratory Chronicle

Sample	Analysis	Collection Date	Prep Date	Analysis Date	Analyst	Hold Time Met
CG56071	Volatiles (TO15)	08/17/20	08/18/20	08/18/20	AW	Y
CG56072	Volatiles (TO15)	08/17/20	08/19/20	08/19/20	AW	Y
CG56073	Volatiles (TO15)	08/17/20	08/19/20	08/19/20	AW	Y
CG56074	Volatiles (TO15)	08/17/20	08/19/20	08/19/20	AW	Y
CG56075	Volatiles (TO15)	08/17/20	08/19/20	08/19/20	AW	Y
CG56076	Volatiles (TO15)	08/17/20	08/19/20	08/19/20	AW	Y
CG56077	Volatiles (TO15)	08/17/20	08/19/20	08/19/20	AW	Y
CG56078	Volatiles (TO15)	08/17/20	08/19/20	08/19/20	AW	Y
CG56079	Volatiles (TO15)	08/17/20	08/19/20	08/19/20	AW	Y
CG56080	Volatiles (TO15)	08/17/20	08/19/20	08/19/20	AW	Y
CG56081	Volatiles (TO15)	08/17/20	08/19/20	08/19/20	AW	Y
CG56082	Volatiles (TO15)	08/17/20	08/19/20	08/19/20	AW	Y
CG56083	Volatiles (TO15)	08/17/20	08/19/20	08/19/20	AW	Y

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NY # 11301

Sample Id Cross Reference

December 08, 2020

SDG I.D.: GCG56071

Project ID: IPARK 0118.43 QD INDUSTRIES

Client Id	Lab Id	Matrix
FB-01 (FIELD BLANK)	CG56071	AIR
IA-03 (MANUFACTURING-W)	CG56072	AIR
IA-08 (BASEMENT-N)	CG56073	AIR
IA-07 (BASEMENT-S)	CG56074	AIR
IA-01 (OFFICE)	CG56075	AIR
AA-01	CG56076	AIR
IA-02 (MANUF. E)	CG56077	AIR
IA-04 (COMMON AREA)	CG56078	AIR
IA-05 (STORAGE)	CG56079	AIR
IA-06 (FUTURE COMMON AREA)	CG56080	AIR
IA-09 (SUBBASEMENT ROOM)	CG56081	AIR
IA-10 (SUBBASEMENT STAIRS)	CG56082	AIR
IA-DUP	CG56083	AIR

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ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

December 08, 2020

FOR: Attn: Erica Johnston
Walden Environmental Engineering PLLC
16 Spring Street
Oyster Bay, NY 11771

Sample Information		Custody Information		Date	Time
Matrix:	AIR	Collected by:	EJ	08/17/20	8:15
Location Code:	WALDENE-IPARK	Received by:	CP	08/18/20	16:26
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:	IPARK 0118.43				
Canister Id:	23350				

Laboratory Data

SDG ID: GCG56071
Phoenix ID: CG56071

Project ID: IPARK 0118.43 QD INDUSTRIES
Client ID: FB-01 (FIELD BLANK)

Parameter	ppbv Result	ppbv RL	LOD/ MDL	ug/m3 Result	ug/m3 RL	LOD/ MDL	Date/Time	By	Dilution
Volatiles (TO15)									
1,1,1-Trichloroethane	ND	*0.200*	0.200	ND	*1.09*	1.09	08/18/20	KCA	1
1,1-Dichloroethene	ND	*0.050*	0.050	ND	*0.20*	0.20	08/18/20	KCA	1
1,2,4-Trichlorobenzene	ND	*0.250*	0.250	ND	*1.85*	1.85	08/18/20	KCA	1
1,2-Dichlorobenzene	ND	*0.150*	0.150	ND	*0.90*	0.90	08/18/20	KCA	1
1,3-Dichlorobenzene	ND	*0.150*	0.150	ND	*0.90*	0.90	08/18/20	KCA	1
1,4-Dichlorobenzene	ND	*0.150*	0.150	ND	*0.90*	0.90	08/18/20	KCA	1
Acetone	ND	*1.00*	1.00	ND	*2.37*	2.37	08/18/20	KCA	1
Benzene	0.455	*0.050*	0.050	1.45	*0.16*	0.16	08/18/20	KCA	1
Carbon Tetrachloride	0.021	*0.020*	0.020	0.13	*0.13*	0.13	08/18/20	KCA	1
Chlorobenzene	ND	*0.200*	0.200	ND	*0.92*	0.92	08/18/20	KCA	1
Cis-1,2-Dichloroethene	ND	*0.050*	0.050	ND	*0.20*	0.20	08/18/20	KCA	1
Dichlorodifluoromethane	ND	*0.200*	0.200	ND	*0.99*	0.99	08/18/20	KCA	1
Ethylbenzene	ND	*0.150*	0.150	ND	*0.65*	0.65	08/18/20	KCA	1
m,p-Xylene	0.438	*0.150*	0.150	1.90	*0.65*	0.65	08/18/20	KCA	1
Methylene Chloride	0.720	*0.400*	0.400	2.50	*1.39*	1.39	08/18/20	KCA	1
o-Xylene	0.293	*0.150*	0.150	1.27	*0.65*	0.65	08/18/20	KCA	1
Tetrachloroethene	0.152	*0.100*	0.100	1.03	*0.68*	0.68	08/18/20	KCA	1
Toluene	0.659	*0.200*	0.200	2.48	*0.75*	0.75	08/18/20	KCA	1
Trichloroethene	ND	*0.037*	0.037	ND	*0.20*	0.20	08/18/20	KCA	1
Trichlorofluoromethane	ND	*0.150*	0.150	ND	*0.84*	0.84	08/18/20	KCA	1
Trichlorotrifluoroethane	ND	*0.150*	0.150	ND	*1.15*	1.15	08/18/20	KCA	1
Vinyl Chloride	ND	*0.020*	0.020	ND	*0.05*	0.05	08/18/20	KCA	1
QA/QC Surrogates/Internals									
% Bromofluorobenzene	99	*%*	%	99	*%*	%	08/18/20	KCA	1
% IS-1,4-Difluorobenzene	100	*%*	%	100	*%*	%	08/18/20	KCA	1
% IS-Bromochloromethane	99	*%*	%	99	*%*	%	08/18/20	KCA	1

Project ID: IPARK 0118.43 QD INDUSTRIES
Client ID: FB-01 (FIELD BLANK)

Phoenix I.D.: CG56071

Parameter	ppbv Result	ppbv RL	LOD/ MDL	ug/m3 Result	ug/m3 RL	LOD/ MDL	Date/Time	By	Dilution
% IS-Chlorobenzene-d5	100	%	%	100	%	%	08/18/20	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:

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.
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Phyllis Shiller, Laboratory Director
December 08, 2020
Reviewed and Released by: Greg Lawrence, Assistant Lab Director

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

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

December 08, 2020

FOR: Attn: Erica Johnston
Walden Environmental Engineering PLLC
16 Spring Street
Oyster Bay, NY 11771

Sample Information		Custody Information		Date	Time
Matrix:	AIR	Collected by:	EJ	08/17/20	15:11
Location Code:	WALDENE-IPARK	Received by:	CP	08/18/20	16:26
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:	IPARK 0118.43				
Canister Id:	28571				

Laboratory Data

SDG ID: GCG56071
Phoenix ID: CG56072

Project ID: IPARK 0118.43 QD INDUSTRIES
Client ID: IA-03 (MANUFACTURING-W)

Parameter	ppbv Result	ppbv RL	LOD/ MDL	ug/m3 Result	ug/m3 RL	LOD/ MDL	Date/Time	By	Dilution
Volatiles (TO15)									
1,1,1-Trichloroethane	ND	*0.200*	0.200	ND	*1.09*	1.09	08/19/20	KCA	1
1,1-Dichloroethene	ND	*0.050*	0.050	ND	*0.20*	0.20	08/19/20	KCA	1
1,2,4-Trichlorobenzene	ND	*0.250*	0.250	ND	*1.85*	1.85	08/19/20	KCA	1
1,2-Dichlorobenzene	ND	*0.150*	0.150	ND	*0.90*	0.90	08/19/20	KCA	1
1,3-Dichlorobenzene	ND	*0.150*	0.150	ND	*0.90*	0.90	08/19/20	KCA	1
1,4-Dichlorobenzene	ND	*0.150*	0.150	ND	*0.90*	0.90	08/19/20	KCA	1
Acetone	6.20	*1.00*	1.00	14.7	*2.37*	2.37	08/19/20	KCA	1
Benzene	0.086	*0.050*	0.050	0.27	*0.16*	0.16	08/19/20	KCA	1
Carbon Tetrachloride	0.081	*0.020*	0.020	0.51	*0.13*	0.13	08/19/20	KCA	1
Chlorobenzene	ND	*0.200*	0.200	ND	*0.92*	0.92	08/19/20	KCA	1
Cis-1,2-Dichloroethene	ND	*0.050*	0.050	ND	*0.20*	0.20	08/19/20	KCA	1
Dichlorodifluoromethane	0.757	*0.200*	0.200	3.74	*0.99*	0.99	08/19/20	KCA	1
Ethylbenzene	ND	*0.150*	0.150	ND	*0.65*	0.65	08/19/20	KCA	1
m,p-Xylene	ND	*0.150*	0.150	ND	*0.65*	0.65	08/19/20	KCA	1
Methylene Chloride	ND	*0.400*	0.400	ND	*1.39*	1.39	08/19/20	KCA	1
o-Xylene	ND	*0.150*	0.150	ND	*0.65*	0.65	08/19/20	KCA	1
Tetrachloroethene	ND	*0.100*	0.100	ND	*0.68*	0.68	08/19/20	KCA	1
Toluene	0.214	*0.200*	0.200	0.81	*0.75*	0.75	08/19/20	KCA	1
Trichloroethene	ND	*0.037*	0.037	ND	*0.20*	0.20	08/19/20	KCA	1
Trichlorofluoromethane	5.70	*0.150*	0.150	32.0	*0.84*	0.84	08/19/20	KCA	1
Trichlorotrifluoroethane	ND	*0.150*	0.150	ND	*1.15*	1.15	08/19/20	KCA	1
Vinyl Chloride	ND	*0.020*	0.020	ND	*0.05*	0.05	08/19/20	KCA	1
QA/QC Surrogates/Internals									
% Bromofluorobenzene	101	*%*	%	101	*%*	%	08/19/20	KCA	1
% IS-1,4-Difluorobenzene	96	*%*	%	96	*%*	%	08/19/20	KCA	1
% IS-Bromochloromethane	97	*%*	%	97	*%*	%	08/19/20	KCA	1

Parameter	ppbv Result	ppbv RL	LOD/ MDL	ug/m3 Result	ug/m3 RL	LOD/ MDL	Date/Time	By	Dilution
% IS-Chlorobenzene-d5	97	%	%	97	%	%	08/19/20	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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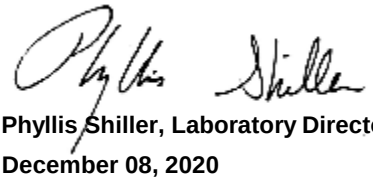

Phyllis Shiller, Laboratory Director
December 08, 2020
Reviewed and Released by: Greg Lawrence, Assistant Lab Director

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587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
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ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

December 08, 2020

FOR: Attn: Erica Johnston
Walden Environmental Engineering PLLC
16 Spring Street
Oyster Bay, NY 11771

Sample Information		Custody Information		Date	Time
Matrix:	AIR	Collected by:	EJ	08/17/20	15:46
Location Code:	WALDENE-IPARK	Received by:	CP	08/18/20	16:26
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:	IPARK 0118.43				
Canister Id:	19426				

Laboratory Data

SDG ID: GCG56071
Phoenix ID: CG56073

Project ID: IPARK 0118.43 QD INDUSTRIES
Client ID: IA-08 (BASEMENT-N)

Parameter	ppbv Result	ppbv RL	LOD/ MDL	ug/m3 Result	ug/m3 RL	LOD/ MDL	Date/Time	By	Dilution
Volatiles (TO15)									
1,1,1-Trichloroethane	ND	*0.200*	0.200	ND	*1.09*	1.09	08/19/20	KCA	1
1,1-Dichloroethene	ND	*0.050*	0.050	ND	*0.20*	0.20	08/19/20	KCA	1
1,2,4-Trichlorobenzene	ND	*0.250*	0.250	ND	*1.85*	1.85	08/19/20	KCA	1
1,2-Dichlorobenzene	ND	*0.150*	0.150	ND	*0.90*	0.90	08/19/20	KCA	1
1,3-Dichlorobenzene	ND	*0.150*	0.150	ND	*0.90*	0.90	08/19/20	KCA	1
1,4-Dichlorobenzene	ND	*0.150*	0.150	ND	*0.90*	0.90	08/19/20	KCA	1
Acetone	5.98	*1.00*	1.00	14.2	*2.37*	2.37	08/19/20	KCA	1
Benzene	0.090	*0.050*	0.050	0.29	*0.16*	0.16	08/19/20	KCA	1
Carbon Tetrachloride	0.080	*0.020*	0.020	0.50	*0.13*	0.13	08/19/20	KCA	1
Chlorobenzene	ND	*0.200*	0.200	ND	*0.92*	0.92	08/19/20	KCA	1
Cis-1,2-Dichloroethene	ND	*0.050*	0.050	ND	*0.20*	0.20	08/19/20	KCA	1
Dichlorodifluoromethane	0.806	*0.200*	0.200	3.98	*0.99*	0.99	08/19/20	KCA	1
Ethylbenzene	ND	*0.150*	0.150	ND	*0.65*	0.65	08/19/20	KCA	1
m,p-Xylene	ND	*0.150*	0.150	ND	*0.65*	0.65	08/19/20	KCA	1
Methylene Chloride	0.434	*0.400*	0.400	1.51	*1.39*	1.39	08/19/20	KCA	1
o-Xylene	ND	*0.150*	0.150	ND	*0.65*	0.65	08/19/20	KCA	1
Tetrachloroethene	ND	*0.100*	0.100	ND	*0.68*	0.68	08/19/20	KCA	1
Toluene	0.248	*0.200*	0.200	0.93	*0.75*	0.75	08/19/20	KCA	1
Trichloroethene	ND	*0.037*	0.037	ND	*0.20*	0.20	08/19/20	KCA	1
Trichlorofluoromethane	5.66	*0.150*	0.150	31.8	*0.84*	0.84	08/19/20	KCA	1
Trichlorotrifluoroethane	ND	*0.150*	0.150	ND	*1.15*	1.15	08/19/20	KCA	1
Vinyl Chloride	ND	*0.020*	0.020	ND	*0.05*	0.05	08/19/20	KCA	1
QA/QC Surrogates/Internals									
% Bromofluorobenzene	99	*%*	%	99	*%*	%	08/19/20	KCA	1
% IS-1,4-Difluorobenzene	98	*%*	%	98	*%*	%	08/19/20	KCA	1
% IS-Bromochloromethane	97	*%*	%	97	*%*	%	08/19/20	KCA	1

Parameter	ppbv Result	ppbv RL	LOD/ MDL	ug/m3 Result	ug/m3 RL	LOD/ MDL	Date/Time	By	Dilution
% IS-Chlorobenzene-d5	100	%	%	100	%	%	08/19/20	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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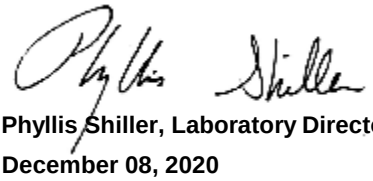

Phyllis Shiller, Laboratory Director
December 08, 2020
Reviewed and Released by: Greg Lawrence, Assistant Lab Director

PHOENIX

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

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

December 08, 2020

FOR: Attn: Erica Johnston
Walden Environmental Engineering PLLC
16 Spring Street
Oyster Bay, NY 11771

Sample Information		Custody Information		Date	Time
Matrix:	AIR	Collected by:	EJ	08/17/20	15:20
Location Code:	WALDENE-IPARK	Received by:	CP	08/18/20	16:26
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:	IPARK 0118.43				
Canister Id:	215				

Laboratory Data

SDG ID: GCG56071
Phoenix ID: CG56074

Project ID: IPARK 0118.43 QD INDUSTRIES
Client ID: IA-07 (BASEMENT-S)

Parameter	ppbv Result	ppbv RL	LOD/ MDL	ug/m3 Result	ug/m3 RL	LOD/ MDL	Date/Time	By	Dilution
Volatiles (TO15)									
1,1,1-Trichloroethane	ND	*0.200*	0.200	ND	*1.09*	1.09	08/19/20	KCA	1
1,1-Dichloroethene	ND	*0.050*	0.050	ND	*0.20*	0.20	08/19/20	KCA	1
1,2,4-Trichlorobenzene	ND	*0.250*	0.250	ND	*1.85*	1.85	08/19/20	KCA	1
1,2-Dichlorobenzene	ND	*0.150*	0.150	ND	*0.90*	0.90	08/19/20	KCA	1
1,3-Dichlorobenzene	ND	*0.150*	0.150	ND	*0.90*	0.90	08/19/20	KCA	1
1,4-Dichlorobenzene	ND	*0.150*	0.150	ND	*0.90*	0.90	08/19/20	KCA	1
Acetone	5.05	*1.00*	1.00	12.0	*2.37*	2.37	08/19/20	KCA	1
Benzene	0.081	*0.050*	0.050	0.26	*0.16*	0.16	08/19/20	KCA	1
Carbon Tetrachloride	0.086	*0.020*	0.020	0.54	*0.13*	0.13	08/19/20	KCA	1
Chlorobenzene	ND	*0.200*	0.200	ND	*0.92*	0.92	08/19/20	KCA	1
Cis-1,2-Dichloroethene	ND	*0.050*	0.050	ND	*0.20*	0.20	08/19/20	KCA	1
Dichlorodifluoromethane	0.765	*0.200*	0.200	3.78	*0.99*	0.99	08/19/20	KCA	1
Ethylbenzene	ND	*0.150*	0.150	ND	*0.65*	0.65	08/19/20	KCA	1
m,p-Xylene	0.169	*0.150*	0.150	0.73	*0.65*	0.65	08/19/20	KCA	1
Methylene Chloride	ND	*0.400*	0.400	ND	*1.39*	1.39	08/19/20	KCA	1
o-Xylene	ND	*0.150*	0.150	ND	*0.65*	0.65	08/19/20	KCA	1
Tetrachloroethene	ND	*0.100*	0.100	ND	*0.68*	0.68	08/19/20	KCA	1
Toluene	0.243	*0.200*	0.200	0.92	*0.75*	0.75	08/19/20	KCA	1
Trichloroethene	ND	*0.037*	0.037	ND	*0.20*	0.20	08/19/20	KCA	1
Trichlorofluoromethane	5.50	*0.150*	0.150	30.9	*0.84*	0.84	08/19/20	KCA	1
Trichlorotrifluoroethane	ND	*0.150*	0.150	ND	*1.15*	1.15	08/19/20	KCA	1
Vinyl Chloride	ND	*0.020*	0.020	ND	*0.05*	0.05	08/19/20	KCA	1
QA/QC Surrogates/Internals									
% Bromofluorobenzene	101	*%*	%	101	*%*	%	08/19/20	KCA	1
% IS-1,4-Difluorobenzene	98	*%*	%	98	*%*	%	08/19/20	KCA	1
% IS-Bromochloromethane	96	*%*	%	96	*%*	%	08/19/20	KCA	1

Parameter	ppbv Result	ppbv RL	LOD/ MDL	ug/m3 Result	ug/m3 RL	LOD/ MDL	Date/Time	By	Dilution
% IS-Chlorobenzene-d5	97	%	%	97	%	%	08/19/20	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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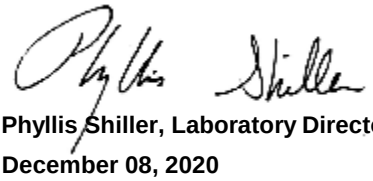

Phyllis Shiller, Laboratory Director
December 08, 2020
Reviewed and Released by: Greg Lawrence, Assistant Lab Director

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

NY # 11301

Analysis Report

December 08, 2020

FOR: Attn: Erica Johnston
Walden Environmental Engineering PLLC
16 Spring Street
Oyster Bay, NY 11771

Sample Information		Custody Information		Date	Time
Matrix:	AIR	Collected by:	EJ	08/17/20	15:10
Location Code:	WALDENE-IPARK	Received by:	CP	08/18/20	16:26
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:	IPARK 0118.43				
Canister Id:	28581				

Laboratory Data

SDG ID: GCG56071
Phoenix ID: CG56075

Project ID: IPARK 0118.43 QD INDUSTRIES
Client ID: IA-01 (OFFICE)

Parameter	ppbv Result	ppbv RL	LOD/ MDL	ug/m3 Result	ug/m3 RL	LOD/ MDL	Date/Time	By	Dilution
Volatiles (TO15)									
1,1,1-Trichloroethane	ND	*0.200*	0.200	ND	*1.09*	1.09	08/19/20	KCA	1
1,1-Dichloroethene	ND	*0.050*	0.050	ND	*0.20*	0.20	08/19/20	KCA	1
1,2,4-Trichlorobenzene	ND	*0.250*	0.250	ND	*1.85*	1.85	08/19/20	KCA	1
1,2-Dichlorobenzene	ND	*0.150*	0.150	ND	*0.90*	0.90	08/19/20	KCA	1
1,3-Dichlorobenzene	ND	*0.150*	0.150	ND	*0.90*	0.90	08/19/20	KCA	1
1,4-Dichlorobenzene	ND	*0.150*	0.150	ND	*0.90*	0.90	08/19/20	KCA	1
Acetone	7.13	*1.00*	1.00	16.9	*2.37*	2.37	08/19/20	KCA	1
Benzene	0.078	*0.050*	0.050	0.25	*0.16*	0.16	08/19/20	KCA	1
Carbon Tetrachloride	0.084	*0.020*	0.020	0.53	*0.13*	0.13	08/19/20	KCA	1
Chlorobenzene	ND	*0.200*	0.200	ND	*0.92*	0.92	08/19/20	KCA	1
Cis-1,2-Dichloroethene	ND	*0.050*	0.050	ND	*0.20*	0.20	08/19/20	KCA	1
Dichlorodifluoromethane	0.764	*0.200*	0.200	3.78	*0.99*	0.99	08/19/20	KCA	1
Ethylbenzene	ND	*0.150*	0.150	ND	*0.65*	0.65	08/19/20	KCA	1
m,p-Xylene	0.151	*0.150*	0.150	0.66	*0.65*	0.65	08/19/20	KCA	1
Methylene Chloride	ND	*0.400*	0.400	ND	*1.39*	1.39	08/19/20	KCA	1
o-Xylene	ND	*0.150*	0.150	ND	*0.65*	0.65	08/19/20	KCA	1
Tetrachloroethene	ND	*0.100*	0.100	ND	*0.68*	0.68	08/19/20	KCA	1
Toluene	0.225	*0.200*	0.200	0.85	*0.75*	0.75	08/19/20	KCA	1
Trichloroethene	ND	*0.037*	0.037	ND	*0.20*	0.20	08/19/20	KCA	1
Trichlorofluoromethane	5.72	*0.150*	0.150	32.1	*0.84*	0.84	08/19/20	KCA	1
Trichlorotrifluoroethane	ND	*0.150*	0.150	ND	*1.15*	1.15	08/19/20	KCA	1
Vinyl Chloride	ND	*0.020*	0.020	ND	*0.05*	0.05	08/19/20	KCA	1
QA/QC Surrogates/Internals									
% Bromofluorobenzene	99	*%*	%	99	*%*	%	08/19/20	KCA	1
% IS-1,4-Difluorobenzene	92	*%*	%	92	*%*	%	08/19/20	KCA	1
% IS-Bromochloromethane	93	*%*	%	93	*%*	%	08/19/20	KCA	1

Parameter	ppbv Result	ppbv RL	LOD/ MDL	ug/m3 Result	ug/m3 RL	LOD/ MDL	Date/Time	By	Dilution
% IS-Chlorobenzene-d5	94	%	%	94	%	%	08/19/20	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.

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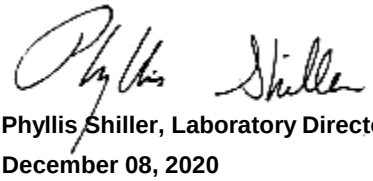

Phyllis Shiller, Laboratory Director
December 08, 2020
Reviewed and Released by: Greg Lawrence, Assistant Lab Director

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

NY # 11301

Analysis Report

December 08, 2020

FOR: Attn: Erica Johnston
Walden Environmental Engineering PLLC
16 Spring Street
Oyster Bay, NY 11771

Sample Information		Custody Information		Date	Time
Matrix:	AIR	Collected by:	EJ	08/17/20	16:43
Location Code:	WALDENE-IPARK	Received by:	CP	08/18/20	16:26
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:	IPARK 0118.43				
Canister Id:	13639				

Laboratory Data

SDG ID: GCG56071
Phoenix ID: CG56076

Project ID: IPARK 0118.43 QD INDUSTRIES
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	08/19/20	KCA	1
1,1-Dichloroethene	ND	*0.050*	0.050	ND	*0.20*	0.20	08/19/20	KCA	1
1,2,4-Trichlorobenzene	ND	*0.250*	0.250	ND	*1.85*	1.85	08/19/20	KCA	1
1,2-Dichlorobenzene	ND	*0.150*	0.150	ND	*0.90*	0.90	08/19/20	KCA	1
1,3-Dichlorobenzene	ND	*0.150*	0.150	ND	*0.90*	0.90	08/19/20	KCA	1
1,4-Dichlorobenzene	ND	*0.150*	0.150	ND	*0.90*	0.90	08/19/20	KCA	1
Acetone	4.70	*1.00*	1.00	11.2	*2.37*	2.37	08/19/20	KCA	1
Benzene	0.051	*0.050*	0.050	0.16	*0.16*	0.16	08/19/20	KCA	1
Carbon Tetrachloride	0.083	*0.020*	0.020	0.52	*0.13*	0.13	08/19/20	KCA	1
Chlorobenzene	ND	*0.200*	0.200	ND	*0.92*	0.92	08/19/20	KCA	1
Cis-1,2-Dichloroethene	ND	*0.050*	0.050	ND	*0.20*	0.20	08/19/20	KCA	1
Dichlorodifluoromethane	0.361	*0.200*	0.200	1.78	*0.99*	0.99	08/19/20	KCA	1
Ethylbenzene	ND	*0.150*	0.150	ND	*0.65*	0.65	08/19/20	KCA	1
m,p-Xylene	ND	*0.150*	0.150	ND	*0.65*	0.65	08/19/20	KCA	1
Methylene Chloride	0.998	*0.400*	0.400	3.46	*1.39*	1.39	08/19/20	KCA	1
o-Xylene	ND	*0.150*	0.150	ND	*0.65*	0.65	08/19/20	KCA	1
Tetrachloroethene	ND	*0.100*	0.100	ND	*0.68*	0.68	08/19/20	KCA	1
Toluene	ND	*0.200*	0.200	ND	*0.75*	0.75	08/19/20	KCA	1
Trichloroethene	ND	*0.037*	0.037	ND	*0.20*	0.20	08/19/20	KCA	1
Trichlorofluoromethane	0.317	*0.150*	0.150	1.78	*0.84*	0.84	08/19/20	KCA	1
Trichlorotrifluoroethane	ND	*0.150*	0.150	ND	*1.15*	1.15	08/19/20	KCA	1
Vinyl Chloride	ND	*0.020*	0.020	ND	*0.05*	0.05	08/19/20	KCA	1
QA/QC Surrogates/Internals									
% Bromofluorobenzene	101	*%*	%	101	*%*	%	08/19/20	KCA	1
% IS-1,4-Difluorobenzene	93	*%*	%	93	*%*	%	08/19/20	KCA	1
% IS-Bromochloromethane	93	*%*	%	93	*%*	%	08/19/20	KCA	1

Parameter	ppbv Result	ppbv RL	LOD/ MDL	ug/m3 Result	ug/m3 RL	LOD/ MDL	Date/Time	By	Dilution
% IS-Chlorobenzene-d5	95	%	%	95	%	%	08/19/20	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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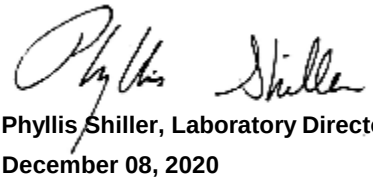

Phyllis Shiller, Laboratory Director
December 08, 2020
Reviewed and Released by: Greg Lawrence, Assistant Lab Director

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

NY # 11301

Analysis Report

December 08, 2020

FOR: Attn: Erica Johnston
Walden Environmental Engineering PLLC
16 Spring Street
Oyster Bay, NY 11771

Sample Information		Custody Information		Date	Time
Matrix:	AIR	Collected by:	EJ	08/17/20	15:24
Location Code:	WALDENE-IPARK	Received by:	CP	08/18/20	16:26
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:	IPARK 0118.43				
Canister Id:	28623				

Laboratory Data

SDG ID: GCG56071
Phoenix ID: CG56077

Project ID: IPARK 0118.43 QD INDUSTRIES
Client ID: IA-02 (MANUF. E)

Parameter	ppbv Result	ppbv RL	LOD/ MDL	ug/m3 Result	ug/m3 RL	LOD/ MDL	Date/Time	By	Dilution
Volatiles (TO15)									
1,1,1-Trichloroethane	ND	*0.200*	0.200	ND	*1.09*	1.09	08/19/20	KCA	1
1,1-Dichloroethene	ND	*0.050*	0.050	ND	*0.20*	0.20	08/19/20	KCA	1
1,2,4-Trichlorobenzene	ND	*0.250*	0.250	ND	*1.85*	1.85	08/19/20	KCA	1
1,2-Dichlorobenzene	ND	*0.150*	0.150	ND	*0.90*	0.90	08/19/20	KCA	1
1,3-Dichlorobenzene	ND	*0.150*	0.150	ND	*0.90*	0.90	08/19/20	KCA	1
1,4-Dichlorobenzene	ND	*0.150*	0.150	ND	*0.90*	0.90	08/19/20	KCA	1
Acetone	6.11	*1.00*	1.00	14.5	*2.37*	2.37	08/19/20	KCA	1
Benzene	0.071	*0.050*	0.050	0.23	*0.16*	0.16	08/19/20	KCA	1
Carbon Tetrachloride	0.083	*0.020*	0.020	0.52	*0.13*	0.13	08/19/20	KCA	1
Chlorobenzene	ND	*0.200*	0.200	ND	*0.92*	0.92	08/19/20	KCA	1
Cis-1,2-Dichloroethene	ND	*0.050*	0.050	ND	*0.20*	0.20	08/19/20	KCA	1
Dichlorodifluoromethane	0.828	*0.200*	0.200	4.09	*0.99*	0.99	08/19/20	KCA	1
Ethylbenzene	ND	*0.150*	0.150	ND	*0.65*	0.65	08/19/20	KCA	1
m,p-Xylene	ND	*0.150*	0.150	ND	*0.65*	0.65	08/19/20	KCA	1
Methylene Chloride	ND	*0.400*	0.400	ND	*1.39*	1.39	08/19/20	KCA	1
o-Xylene	ND	*0.150*	0.150	ND	*0.65*	0.65	08/19/20	KCA	1
Tetrachloroethene	ND	*0.100*	0.100	ND	*0.68*	0.68	08/19/20	KCA	1
Toluene	ND	*0.200*	0.200	ND	*0.75*	0.75	08/19/20	KCA	1
Trichloroethene	ND	*0.037*	0.037	ND	*0.20*	0.20	08/19/20	KCA	1
Trichlorofluoromethane	6.15	*0.150*	0.150	34.5	*0.84*	0.84	08/19/20	KCA	1
Trichlorotrifluoroethane	ND	*0.150*	0.150	ND	*1.15*	1.15	08/19/20	KCA	1
Vinyl Chloride	ND	*0.020*	0.020	ND	*0.05*	0.05	08/19/20	KCA	1
QA/QC Surrogates/Internals									
% Bromofluorobenzene	100	*%*	%	100	*%*	%	08/19/20	KCA	1
% IS-1,4-Difluorobenzene	92	*%*	%	92	*%*	%	08/19/20	KCA	1
% IS-Bromochloromethane	91	*%*	%	91	*%*	%	08/19/20	KCA	1

Parameter	ppbv Result	ppbv RL	LOD/ MDL	ug/m3 Result	ug/m3 RL	LOD/ MDL	Date/Time	By	Dilution
% IS-Chlorobenzene-d5	93	%	%	93	%	%	08/19/20	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.

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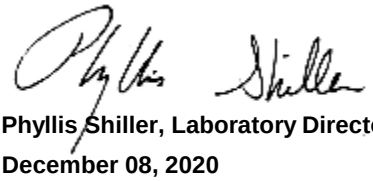

Phyllis Shiller, Laboratory Director
December 08, 2020
Reviewed and Released by: Greg Lawrence, Assistant Lab Director

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

NY # 11301

Analysis Report

December 08, 2020

FOR: Attn: Erica Johnston
Walden Environmental Engineering PLLC
16 Spring Street
Oyster Bay, NY 11771

Sample Information		Custody Information		Date	Time
Matrix:	AIR	Collected by:	EJ	08/17/20	15:05
Location Code:	WALDENE-IPARK	Received by:	CP	08/18/20	16:26
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:	IPARK 0118.43				
Canister Id:	9767				

Laboratory Data

SDG ID: GCG56071
Phoenix ID: CG56078

Project ID: IPARK 0118.43 QD INDUSTRIES
Client ID: IA-04 (COMMON AREA)

Parameter	ppbv Result	ppbv RL	LOD/ MDL	ug/m3 Result	ug/m3 RL	LOD/ MDL	Date/Time	By	Dilution
Volatiles (TO15)									
1,1,1-Trichloroethane	ND	*0.200*	0.200	ND	*1.09*	1.09	08/19/20	KCA	1
1,1-Dichloroethene	ND	*0.050*	0.050	ND	*0.20*	0.20	08/19/20	KCA	1
1,2,4-Trichlorobenzene	ND	*0.250*	0.250	ND	*1.85*	1.85	08/19/20	KCA	1
1,2-Dichlorobenzene	ND	*0.150*	0.150	ND	*0.90*	0.90	08/19/20	KCA	1
1,3-Dichlorobenzene	ND	*0.150*	0.150	ND	*0.90*	0.90	08/19/20	KCA	1
1,4-Dichlorobenzene	ND	*0.150*	0.150	ND	*0.90*	0.90	08/19/20	KCA	1
Acetone	7.04	*1.00*	1.00	16.7	*2.37*	2.37	08/19/20	KCA	1
Benzene	0.088	*0.050*	0.050	0.28	*0.16*	0.16	08/19/20	KCA	1
Carbon Tetrachloride	0.084	*0.020*	0.020	0.53	*0.13*	0.13	08/19/20	KCA	1
Chlorobenzene	ND	*0.200*	0.200	ND	*0.92*	0.92	08/19/20	KCA	1
Cis-1,2-Dichloroethene	ND	*0.050*	0.050	ND	*0.20*	0.20	08/19/20	KCA	1
Dichlorodifluoromethane	0.944	*0.200*	0.200	4.67	*0.99*	0.99	08/19/20	KCA	1
Ethylbenzene	ND	*0.150*	0.150	ND	*0.65*	0.65	08/19/20	KCA	1
m,p-Xylene	ND	*0.150*	0.150	ND	*0.65*	0.65	08/19/20	KCA	1
Methylene Chloride	ND	*0.400*	0.400	ND	*1.39*	1.39	08/19/20	KCA	1
o-Xylene	ND	*0.150*	0.150	ND	*0.65*	0.65	08/19/20	KCA	1
Tetrachloroethene	ND	*0.100*	0.100	ND	*0.68*	0.68	08/19/20	KCA	1
Toluene	ND	*0.200*	0.200	ND	*0.75*	0.75	08/19/20	KCA	1
Trichloroethene	ND	*0.037*	0.037	ND	*0.20*	0.20	08/19/20	KCA	1
Trichlorofluoromethane	7.46	*0.150*	0.150	41.9	*0.84*	0.84	08/19/20	KCA	1
Trichlorotrifluoroethane	ND	*0.150*	0.150	ND	*1.15*	1.15	08/19/20	KCA	1
Vinyl Chloride	ND	*0.020*	0.020	ND	*0.05*	0.05	08/19/20	KCA	1
QA/QC Surrogates/Internals									
% Bromofluorobenzene	100	*%*	%	100	*%*	%	08/19/20	KCA	1
% IS-1,4-Difluorobenzene	92	*%*	%	92	*%*	%	08/19/20	KCA	1
% IS-Bromochloromethane	92	*%*	%	92	*%*	%	08/19/20	KCA	1

Parameter	ppbv Result	ppbv RL	LOD/ MDL	ug/m3 Result	ug/m3 RL	LOD/ MDL	Date/Time	By	Dilution
% IS-Chlorobenzene-d5	93	%	%	93	%	%	08/19/20	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
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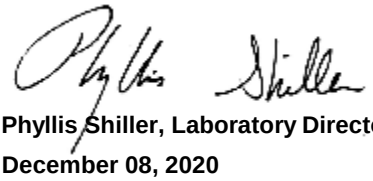

Phyllis Shiller, Laboratory Director
December 08, 2020
Reviewed and Released by: Greg Lawrence, Assistant Lab Director

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

NY # 11301

Analysis Report

December 08, 2020

FOR: Attn: Erica Johnston
Walden Environmental Engineering PLLC
16 Spring Street
Oyster Bay, NY 11771

Sample Information		Custody Information		Date	Time
Matrix:	AIR	Collected by:	EJ	08/17/20	15:08
Location Code:	WALDENE-IPARK	Received by:	CP	08/18/20	16:26
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:	IPARK 0118.43				
Canister Id:	471				

Laboratory Data

SDG ID: GCG56071
Phoenix ID: CG56079

Project ID: IPARK 0118.43 QD INDUSTRIES
Client ID: IA-05 (STORAGE)

Parameter	ppbv Result	ppbv RL	LOD/ MDL	ug/m3 Result	ug/m3 RL	LOD/ MDL	Date/Time	By	Dilution
Volatiles (TO15)									
1,1,1-Trichloroethane	ND	*0.200*	0.200	ND	*1.09*	1.09	08/19/20	KCA	1
1,1-Dichloroethene	ND	*0.050*	0.050	ND	*0.20*	0.20	08/19/20	KCA	1
1,2,4-Trichlorobenzene	ND	*0.250*	0.250	ND	*1.85*	1.85	08/19/20	KCA	1
1,2-Dichlorobenzene	ND	*0.150*	0.150	ND	*0.90*	0.90	08/19/20	KCA	1
1,3-Dichlorobenzene	ND	*0.150*	0.150	ND	*0.90*	0.90	08/19/20	KCA	1
1,4-Dichlorobenzene	ND	*0.150*	0.150	ND	*0.90*	0.90	08/19/20	KCA	1
Acetone	7.01	*1.00*	1.00	16.6	*2.37*	2.37	08/19/20	KCA	1
Benzene	0.074	*0.050*	0.050	0.24	*0.16*	0.16	08/19/20	KCA	1
Carbon Tetrachloride	0.083	*0.020*	0.020	0.52	*0.13*	0.13	08/19/20	KCA	1
Chlorobenzene	ND	*0.200*	0.200	ND	*0.92*	0.92	08/19/20	KCA	1
Cis-1,2-Dichloroethene	ND	*0.050*	0.050	ND	*0.20*	0.20	08/19/20	KCA	1
Dichlorodifluoromethane	0.865	*0.200*	0.200	4.27	*0.99*	0.99	08/19/20	KCA	1
Ethylbenzene	ND	*0.150*	0.150	ND	*0.65*	0.65	08/19/20	KCA	1
m,p-Xylene	ND	*0.150*	0.150	ND	*0.65*	0.65	08/19/20	KCA	1
Methylene Chloride	ND	*0.400*	0.400	ND	*1.39*	1.39	08/19/20	KCA	1
o-Xylene	ND	*0.150*	0.150	ND	*0.65*	0.65	08/19/20	KCA	1
Tetrachloroethene	ND	*0.100*	0.100	ND	*0.68*	0.68	08/19/20	KCA	1
Toluene	0.203	*0.200*	0.200	0.76	*0.75*	0.75	08/19/20	KCA	1
Trichloroethene	ND	*0.037*	0.037	ND	*0.20*	0.20	08/19/20	KCA	1
Trichlorofluoromethane	8.56	*0.150*	0.150	48.1	*0.84*	0.84	08/19/20	KCA	1
Trichlorotrifluoroethane	ND	*0.150*	0.150	ND	*1.15*	1.15	08/19/20	KCA	1
Vinyl Chloride	ND	*0.020*	0.020	ND	*0.05*	0.05	08/19/20	KCA	1
QA/QC Surrogates/Internals									
% Bromofluorobenzene	100	*%*	%	100	*%*	%	08/19/20	KCA	1
% IS-1,4-Difluorobenzene	88	*%*	%	88	*%*	%	08/19/20	KCA	1
% IS-Bromochloromethane	88	*%*	%	88	*%*	%	08/19/20	KCA	1

Parameter	ppbv Result	ppbv RL	LOD/ MDL	ug/m3 Result	ug/m3 RL	LOD/ MDL	Date/Time	By	Dilution
% IS-Chlorobenzene-d5	89	%	%	89	%	%	08/19/20	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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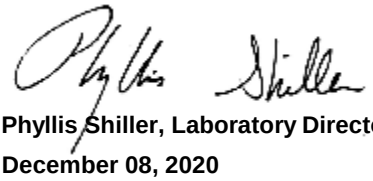

Phyllis Shiller, Laboratory Director
December 08, 2020
Reviewed and Released by: Greg Lawrence, Assistant Lab Director

PHOENIX

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

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

December 08, 2020

FOR: Attn: Erica Johnston
Walden Environmental Engineering PLLC
16 Spring Street
Oyster Bay, NY 11771

Sample Information		Custody Information		Date	Time
Matrix:	AIR	Collected by:	EJ	08/17/20	15:26
Location Code:	WALDENE-IPARK	Received by:	CP	08/18/20	16:26
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:	IPARK 0118.43				
Canister Id:	23352				

Laboratory Data

SDG ID: GCG56071
Phoenix ID: CG56080

Project ID: IPARK 0118.43 QD INDUSTRIES
Client ID: IA-06 (FUTURE COMMON AREA)

Parameter	ppbv Result	ppbv RL	LOD/ MDL	ug/m3 Result	ug/m3 RL	LOD/ MDL	Date/Time	By	Dilution
Volatiles (TO15)									
1,1,1-Trichloroethane	ND	*0.200*	0.200	ND	*1.09*	1.09	08/19/20	KCA	1
1,1-Dichloroethene	ND	*0.050*	0.050	ND	*0.20*	0.20	08/19/20	KCA	1
1,2,4-Trichlorobenzene	ND	*0.250*	0.250	ND	*1.85*	1.85	08/19/20	KCA	1
1,2-Dichlorobenzene	ND	*0.150*	0.150	ND	*0.90*	0.90	08/19/20	KCA	1
1,3-Dichlorobenzene	ND	*0.150*	0.150	ND	*0.90*	0.90	08/19/20	KCA	1
1,4-Dichlorobenzene	ND	*0.150*	0.150	ND	*0.90*	0.90	08/19/20	KCA	1
Acetone	12.9	*1.00*	1.00	30.6	*2.37*	2.37	08/19/20	KCA	1
Benzene	0.086	*0.050*	0.050	0.27	*0.16*	0.16	08/19/20	KCA	1
Carbon Tetrachloride	0.086	*0.020*	0.020	0.54	*0.13*	0.13	08/19/20	KCA	1
Chlorobenzene	ND	*0.200*	0.200	ND	*0.92*	0.92	08/19/20	KCA	1
Cis-1,2-Dichloroethene	ND	*0.050*	0.050	ND	*0.20*	0.20	08/19/20	KCA	1
Dichlorodifluoromethane	0.763	*0.200*	0.200	3.77	*0.99*	0.99	08/19/20	KCA	1
Ethylbenzene	ND	*0.150*	0.150	ND	*0.65*	0.65	08/19/20	KCA	1
m,p-Xylene	ND	*0.150*	0.150	ND	*0.65*	0.65	08/19/20	KCA	1
Methylene Chloride	ND	*0.400*	0.400	ND	*1.39*	1.39	08/19/20	KCA	1
o-Xylene	ND	*0.150*	0.150	ND	*0.65*	0.65	08/19/20	KCA	1
Tetrachloroethene	ND	*0.100*	0.100	ND	*0.68*	0.68	08/19/20	KCA	1
Toluene	0.269	*0.200*	0.200	1.01	*0.75*	0.75	08/19/20	KCA	1
Trichloroethene	ND	*0.037*	0.037	ND	*0.20*	0.20	08/19/20	KCA	1
Trichlorofluoromethane	5.04	*0.150*	0.150	28.3	*0.84*	0.84	08/19/20	KCA	1
Trichlorotrifluoroethane	ND	*0.150*	0.150	ND	*1.15*	1.15	08/19/20	KCA	1
Vinyl Chloride	ND	*0.020*	0.020	ND	*0.05*	0.05	08/19/20	KCA	1
QA/QC Surrogates/Internals									
% Bromofluorobenzene	98	*%*	%	98	*%*	%	08/19/20	KCA	1
% IS-1,4-Difluorobenzene	88	*%*	%	88	*%*	%	08/19/20	KCA	1
% IS-Bromochloromethane	87	*%*	%	87	*%*	%	08/19/20	KCA	1

Parameter	ppbv Result	ppbv RL	LOD/ MDL	ug/m3 Result	ug/m3 RL	LOD/ MDL	Date/Time	By	Dilution
% IS-Chlorobenzene-d5	89	%	%	89	%	%	08/19/20	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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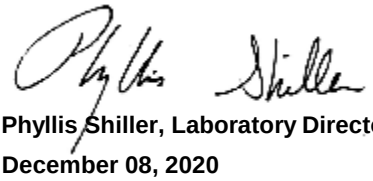

Phyllis Shiller, Laboratory Director
December 08, 2020
Reviewed and Released by: Greg Lawrence, Assistant Lab Director

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

NY # 11301

Analysis Report

December 08, 2020

FOR: Attn: Erica Johnston
Walden Environmental Engineering PLLC
16 Spring Street
Oyster Bay, NY 11771

Sample Information		Custody Information		Date	Time
Matrix:	AIR	Collected by:	EJ	08/17/20	15:48
Location Code:	WALDENE-IPARK	Received by:	CP	08/18/20	16:26
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:	IPARK 0118.43				
Canister Id:	11292				

Laboratory Data

SDG ID: GCG56071
Phoenix ID: CG56081

Project ID: IPARK 0118.43 QD INDUSTRIES
Client ID: IA-09 (SUBBASEMENT ROOM)

Parameter	ppbv Result	ppbv RL	LOD/ MDL	ug/m3 Result	ug/m3 RL	LOD/ MDL	Date/Time	By	Dilution
Volatiles (TO15)									
1,1,1-Trichloroethane	ND	*0.200*	0.200	ND	*1.09*	1.09	08/19/20	KCA	1
1,1-Dichloroethene	ND	*0.050*	0.050	ND	*0.20*	0.20	08/19/20	KCA	1
1,2,4-Trichlorobenzene	ND	*0.250*	0.250	ND	*1.85*	1.85	08/19/20	KCA	1
1,2-Dichlorobenzene	ND	*0.150*	0.150	ND	*0.90*	0.90	08/19/20	KCA	1
1,3-Dichlorobenzene	ND	*0.150*	0.150	ND	*0.90*	0.90	08/19/20	KCA	1
1,4-Dichlorobenzene	ND	*0.150*	0.150	ND	*0.90*	0.90	08/19/20	KCA	1
Acetone	6.96	*1.00*	1.00	16.5	*2.37*	2.37	08/19/20	KCA	1
Benzene	0.086	*0.050*	0.050	0.27	*0.16*	0.16	08/19/20	KCA	1
Carbon Tetrachloride	0.086	*0.020*	0.020	0.54	*0.13*	0.13	08/19/20	KCA	1
Chlorobenzene	ND	*0.200*	0.200	ND	*0.92*	0.92	08/19/20	KCA	1
Cis-1,2-Dichloroethene	ND	*0.050*	0.050	ND	*0.20*	0.20	08/19/20	KCA	1
Dichlorodifluoromethane	0.791	*0.200*	0.200	3.91	*0.99*	0.99	08/19/20	KCA	1
Ethylbenzene	ND	*0.150*	0.150	ND	*0.65*	0.65	08/19/20	KCA	1
m,p-Xylene	0.167	*0.150*	0.150	0.72	*0.65*	0.65	08/19/20	KCA	1
Methylene Chloride	0.701	*0.400*	0.400	2.43	*1.39*	1.39	08/19/20	KCA	1
o-Xylene	ND	*0.150*	0.150	ND	*0.65*	0.65	08/19/20	KCA	1
Tetrachloroethene	ND	*0.100*	0.100	ND	*0.68*	0.68	08/19/20	KCA	1
Toluene	0.268	*0.200*	0.200	1.01	*0.75*	0.75	08/19/20	KCA	1
Trichloroethene	ND	*0.037*	0.037	ND	*0.20*	0.20	08/19/20	KCA	1
Trichlorofluoromethane	6.01	*0.150*	0.150	33.7	*0.84*	0.84	08/19/20	KCA	1
Trichlorotrifluoroethane	ND	*0.150*	0.150	ND	*1.15*	1.15	08/19/20	KCA	1
Vinyl Chloride	ND	*0.020*	0.020	ND	*0.05*	0.05	08/19/20	KCA	1
QA/QC Surrogates/Internals									
% Bromofluorobenzene	100	*%*	%	100	*%*	%	08/19/20	KCA	1
% IS-1,4-Difluorobenzene	86	*%*	%	86	*%*	%	08/19/20	KCA	1
% IS-Bromochloromethane	86	*%*	%	86	*%*	%	08/19/20	KCA	1

Parameter	ppbv Result	ppbv RL	LOD/ MDL	ug/m3 Result	ug/m3 RL	LOD/ MDL	Date/Time	By	Dilution
% IS-Chlorobenzene-d5	89	%	%	89	%	%	08/19/20	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.

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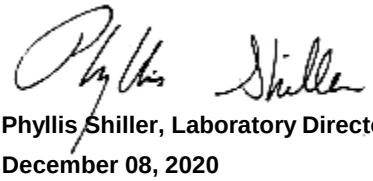

Phyllis Shiller, Laboratory Director
December 08, 2020
Reviewed and Released by: Greg Lawrence, Assistant Lab Director

PHOENIX

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

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

December 08, 2020

FOR: Attn: Erica Johnston
Walden Environmental Engineering PLLC
16 Spring Street
Oyster Bay, NY 11771

Sample Information		Custody Information		Date	Time
Matrix:	AIR	Collected by:	EJ	08/17/20	15:50
Location Code:	WALDENE-IPARK	Received by:	CP	08/18/20	16:26
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:	IPARK 0118.43				
Canister Id:	19859				

Laboratory Data

SDG ID: GCG56071
Phoenix ID: CG56082

Project ID: IPARK 0118.43 QD INDUSTRIES
Client ID: IA-10 (SUBBASEMENT STAIRS)

Parameter	ppbv Result	ppbv RL	LOD/ MDL	ug/m3 Result	ug/m3 RL	LOD/ MDL	Date/Time	By	Dilution
Volatiles (TO15)									
1,1,1-Trichloroethane	ND	*0.200*	0.200	ND	*1.09*	1.09	08/19/20	KCA	1
1,1-Dichloroethene	ND	*0.050*	0.050	ND	*0.20*	0.20	08/19/20	KCA	1
1,2,4-Trichlorobenzene	ND	*0.250*	0.250	ND	*1.85*	1.85	08/19/20	KCA	1
1,2-Dichlorobenzene	ND	*0.150*	0.150	ND	*0.90*	0.90	08/19/20	KCA	1
1,3-Dichlorobenzene	ND	*0.150*	0.150	ND	*0.90*	0.90	08/19/20	KCA	1
1,4-Dichlorobenzene	ND	*0.150*	0.150	ND	*0.90*	0.90	08/19/20	KCA	1
Acetone	7.54	*1.00*	1.00	17.9	*2.37*	2.37	08/19/20	KCA	1
Benzene	0.069	*0.050*	0.050	0.22	*0.16*	0.16	08/19/20	KCA	1
Carbon Tetrachloride	0.083	*0.020*	0.020	0.52	*0.13*	0.13	08/19/20	KCA	1
Chlorobenzene	ND	*0.200*	0.200	ND	*0.92*	0.92	08/19/20	KCA	1
Cis-1,2-Dichloroethene	ND	*0.050*	0.050	ND	*0.20*	0.20	08/19/20	KCA	1
Dichlorodifluoromethane	1.32	*0.200*	0.200	6.52	*0.99*	0.99	08/19/20	KCA	1
Ethylbenzene	ND	*0.150*	0.150	ND	*0.65*	0.65	08/19/20	KCA	1
m,p-Xylene	0.439	*0.150*	0.150	1.91	*0.65*	0.65	08/19/20	KCA	1
Methylene Chloride	ND	*0.400*	0.400	ND	*1.39*	1.39	08/19/20	KCA	1
o-Xylene	0.182	*0.150*	0.150	0.79	*0.65*	0.65	08/19/20	KCA	1
Tetrachloroethene	ND	*0.100*	0.100	ND	*0.68*	0.68	08/19/20	KCA	1
Toluene	0.324	*0.200*	0.200	1.22	*0.75*	0.75	08/19/20	KCA	1
Trichloroethene	ND	*0.037*	0.037	ND	*0.20*	0.20	08/19/20	KCA	1
Trichlorofluoromethane	7.94	*0.150*	0.150	44.6	*0.84*	0.84	08/19/20	KCA	1
Trichlorotrifluoroethane	ND	*0.150*	0.150	ND	*1.15*	1.15	08/19/20	KCA	1
Vinyl Chloride	ND	*0.020*	0.020	ND	*0.05*	0.05	08/19/20	KCA	1
QA/QC Surrogates/Internals									
% Bromofluorobenzene	102	*%*	%	102	*%*	%	08/19/20	KCA	1
% IS-1,4-Difluorobenzene	88	*%*	%	88	*%*	%	08/19/20	KCA	1
% IS-Bromochloromethane	89	*%*	%	89	*%*	%	08/19/20	KCA	1

Parameter	ppbv Result	ppbv RL	LOD/ MDL	ug/m3 Result	ug/m3 RL	LOD/ MDL	Date/Time	By	Dilution
% IS-Chlorobenzene-d5	89	%	%	89	%	%	08/19/20	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.

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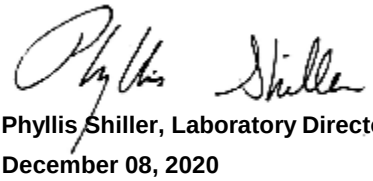

Phyllis Shiller, Laboratory Director
December 08, 2020
Reviewed and Released by: Greg Lawrence, Assistant Lab Director

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

NY # 11301

Analysis Report

December 08, 2020

FOR: Attn: Erica Johnston
Walden Environmental Engineering PLLC
16 Spring Street
Oyster Bay, NY 11771

Sample Information		Custody Information		Date	Time
Matrix:	AIR	Collected by:	EJ	08/17/20	15:08
Location Code:	WALDENE-IPARK	Received by:	CP	08/18/20	16:26
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:	IPARK 0118.43				
Canister Id:	19854				

Laboratory Data

SDG ID: GCG56071
Phoenix ID: CG56083

Project ID: IPARK 0118.43 QD INDUSTRIES
Client ID: IA-DUP

Parameter	ppbv Result	ppbv RL	LOD/ MDL	ug/m3 Result	ug/m3 RL	LOD/ MDL	Date/Time	By	Dilution
Volatiles (TO15)									
1,1,1-Trichloroethane	ND	*0.200*	0.200	ND	*1.09*	1.09	08/19/20	KCA	1
1,1-Dichloroethene	ND	*0.050*	0.050	ND	*0.20*	0.20	08/19/20	KCA	1
1,2,4-Trichlorobenzene	ND	*0.250*	0.250	ND	*1.85*	1.85	08/19/20	KCA	1
1,2-Dichlorobenzene	ND	*0.150*	0.150	ND	*0.90*	0.90	08/19/20	KCA	1
1,3-Dichlorobenzene	ND	*0.150*	0.150	ND	*0.90*	0.90	08/19/20	KCA	1
1,4-Dichlorobenzene	ND	*0.150*	0.150	ND	*0.90*	0.90	08/19/20	KCA	1
Acetone	6.24	*1.00*	1.00	14.8	*2.37*	2.37	08/19/20	KCA	1
Benzene	0.066	*0.050*	0.050	0.21	*0.16*	0.16	08/19/20	KCA	1
Carbon Tetrachloride	0.082	*0.020*	0.020	0.52	*0.13*	0.13	08/19/20	KCA	1
Chlorobenzene	ND	*0.200*	0.200	ND	*0.92*	0.92	08/19/20	KCA	1
Cis-1,2-Dichloroethene	ND	*0.050*	0.050	ND	*0.20*	0.20	08/19/20	KCA	1
Dichlorodifluoromethane	0.817	*0.200*	0.200	4.04	*0.99*	0.99	08/19/20	KCA	1
Ethylbenzene	ND	*0.150*	0.150	ND	*0.65*	0.65	08/19/20	KCA	1
m,p-Xylene	ND	*0.150*	0.150	ND	*0.65*	0.65	08/19/20	KCA	1
Methylene Chloride	ND	*0.400*	0.400	ND	*1.39*	1.39	08/19/20	KCA	1
o-Xylene	ND	*0.150*	0.150	ND	*0.65*	0.65	08/19/20	KCA	1
Tetrachloroethene	ND	*0.100*	0.100	ND	*0.68*	0.68	08/19/20	KCA	1
Toluene	ND	*0.200*	0.200	ND	*0.75*	0.75	08/19/20	KCA	1
Trichloroethene	ND	*0.037*	0.037	ND	*0.20*	0.20	08/19/20	KCA	1
Trichlorofluoromethane	8.65	*0.150*	0.150	48.6	*0.84*	0.84	08/19/20	KCA	1
Trichlorotrifluoroethane	ND	*0.150*	0.150	ND	*1.15*	1.15	08/19/20	KCA	1
Vinyl Chloride	ND	*0.020*	0.020	ND	*0.05*	0.05	08/19/20	KCA	1
QA/QC Surrogates/Internals									
% Bromofluorobenzene	99	*%*	%	99	*%*	%	08/19/20	KCA	1
% IS-1,4-Difluorobenzene	90	*%*	%	90	*%*	%	08/19/20	KCA	1
% IS-Bromochloromethane	88	*%*	%	88	*%*	%	08/19/20	KCA	1

Parameter	ppbv Result	ppbv RL	LOD/ MDL	ug/m3 Result	ug/m3 RL	LOD/ MDL	Date/Time	By	Dilution
% IS-Chlorobenzene-d5	91	%	%	91	%	%	08/19/20	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:

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

Phyllis Shiller, Laboratory Director
December 08, 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

NY # 11301

Canister Sampling Information

December 08, 2020

FOR: Attn: Erica Johnston
Walden Environmental Engineering PLLC
16 Spring Street
Oyster Bay, NY 11771

Location Code: WALDENE-IPARK

SDG I.D.: GCG56071

Project ID: IPARK 0118.43 QD INDUSTRIES

						Laboratory					Field			
Client Id	Lab Id	Canister Id	Canister Type	Reg. Id	Chk Out Date	Out Hg	In Hg	Out Flow	In Flow	Flow RPD	Start Hg	End Hg	Sampling Start Date	Sampling End Date
FB-01 (FIELD BLANK)	CG56071	23350	6.0L	6990	08/10/20	-30	-9	10.8	11	1.8	-29	-9	08/17/20 07:45	08/17/20 08:15
IA-03 (MANUFACTURI	CG56072	28571	6.0L	7023	08/10/20	-30	-9	10.8	10.9	0.9	-28	-8	08/17/20 08:47	08/17/20 15:11
IA-08 (BASEMENT-N)	CG56073	19426	6.0L	7004	08/10/20	-30	-8	10.8	10.9	0.9	-30	-9	08/17/20 09:16	08/17/20 15:46
IA-07 (BASEMENT-S)	CG56074	215	6.0L	5600	08/10/20	-30	-11	10.8	10.8	0.0	-30	-8	08/17/20 09:18	08/17/20 15:20
IA-01 (OFFICE)	CG56075	28581	6.0L	6987	08/10/20	-30	-9	10.8	10.8	0.0	-30	-9	08/17/20 08:45	08/17/20 15:10
AA-01	CG56076	13639	6.0L	5673	08/14/20	-30	-10	10.8	10.8	0.0	-30	-9.5	08/17/20 10:12	08/17/20 16:43
IA-02 (MANUF. E)	CG56077	28623	6.0L	7020	07/15/20	-30	-8	10.8	10.9	0.9	-30	-9	08/17/20 08:36	08/17/20 15:24
IA-04 (COMMON ARE	CG56078	9767	6.0L	7011	07/15/20	-30	-7	10.8	10.4	3.8	-30	-8.5	08/17/20 08:32	08/17/20 15:05
IA-05 (STORAGE)	CG56079	471	6.0L	3502	07/15/20	-30	-7	10.8	11	1.8	-30	-9	08/17/20 08:38	08/17/20 15:08
IA-06 (FUTURE COM	CG56080	23352	6.0L	4987	07/15/20	-30	-8	10.8	10.7	0.9	-30	-9	08/17/20 08:38	08/17/20 15:26
IA-09 (SUBBASEMEN	CG56081	11292	6.0L	3510	07/15/20	-30	-8	10.8	11.2	3.6	-30	-8.5	08/17/20 09:14	08/17/20 15:48
IA-10 (SUBBASEMEN	CG56082	19859	6.0L	7027	07/15/20	-30	-8	10.8	11.3	4.5	-30	-9	08/17/20 09:12	08/17/20 15:50
IA-DUP	CG56083	19854	6.0L	4976	07/15/20	-30	-9	10.8	11.6	7.1	-29	-9	08/17/20 08:38	08/17/20 15:08

PHOENIX

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

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

QA/QC Report

December 08, 2020

QA/QC Data

SDG I.D.: GCG56071

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 555330 (ppbv), QC Sample No: CG56077 (CG56071, CG56072, CG56073, CG56074, CG56075, CG56076, CG56077, CG56078, CG56079, CG56080, CG56081, CG56082, CG56083)													
Volatiles													
1,1,1-Trichloroethane	ND	0.200	ND	1.09	119	110	ND	ND	ND	ND	NC	70 - 130	25
1,1-Dichloroethene	ND	0.050	ND	0.20	114	108	ND	ND	ND	ND	NC	70 - 130	25
1,2,4-Trichlorobenzene	ND	0.250	ND	1.85	104	95	ND	ND	ND	ND	NC	70 - 130	25
1,2-Dichlorobenzene	ND	0.150	ND	0.90	111	101	ND	ND	ND	ND	NC	70 - 130	25
1,3-Dichlorobenzene	ND	0.150	ND	0.90	111	100	ND	ND	ND	ND	NC	70 - 130	25
1,4-Dichlorobenzene	ND	0.150	ND	0.90	113	102	ND	ND	ND	ND	NC	70 - 130	25
Acetone	ND	1.00	ND	2.37	103	99	14.5	14.9	6.11	6.28	2.7	70 - 130	25
Benzene	ND	0.050	ND	0.16	96	90	0.23	0.25	0.071	0.077	NC	70 - 130	25
Carbon Tetrachloride	ND	0.020	ND	0.13	122	112	0.52	0.52	0.083	0.082	NC	70 - 130	25
Chlorobenzene	ND	0.200	ND	0.92	106	95	ND	ND	ND	ND	NC	70 - 130	25
Cis-1,2-Dichloroethene	ND	0.050	ND	0.20	110	103	ND	ND	ND	ND	NC	70 - 130	25
Dichlorodifluoromethane	ND	0.200	ND	0.99	104	43	4.09	3.98	0.828	0.805	NC	70 - 130	25
Ethylbenzene	ND	0.150	ND	0.65	106	97	ND	ND	ND	ND	NC	70 - 130	25
m,p-Xylene	ND	0.150	ND	0.65	108	101	ND	ND	ND	ND	NC	70 - 130	25
Methylene Chloride	ND	0.400	ND	1.39	107	103	ND	ND	ND	ND	NC	70 - 130	25
o-Xylene	ND	0.150	ND	0.65	108	98	ND	ND	ND	ND	NC	70 - 130	25
Tetrachloroethene	ND	0.100	ND	0.68	106	99	ND	ND	ND	ND	NC	70 - 130	25
Toluene	ND	0.200	ND	0.75	103	98	ND	ND	ND	ND	NC	70 - 130	25
Trichloroethene	ND	0.037	ND	0.20	106	99	ND	ND	ND	ND	NC	70 - 130	25
Trichlorofluoromethane	ND	0.150	ND	0.84	122	115	34.5	35.1	6.15	6.25	1.6	70 - 130	25
Trichlorotrifluoroethane	ND	0.150	ND	1.15	111	105	ND	ND	ND	ND	NC	70 - 130	25
Vinyl Chloride	ND	0.020	ND	0.05	111	107	ND	ND	ND	ND	NC	70 - 130	25
% Bromofluorobenzene	101	%	101	%	104	102	100	100	100	100	NC	70 - 130	25
% IS-1,4-Difluorobenzene	99	%	99	%	93	98	92	90	92	90	NC	60 - 140	25
% IS-Bromochloromethane	98	%	98	%	92	97	91	89	91	89	NC	60 - 140	25
% IS-Chlorobenzene-d5	98	%	98	%	94	100	93	92	93	92	NC	60 - 140	25

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

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

Phyllis Shiller, Laboratory Director
December 08, 2020

Sample Criteria Exceedances Report

GCG56071 - WALDENE-IPARK

Criteria: None

State: NY

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

*** No Data to Display ***

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

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

Individual Regulator Certification

December 08, 2020

Sample Information

Matrix: AIR
Canister Id: 23350
Certification Date: 08/07/20 11:01 AM
Data File: H:\AIR2020\CHEM24\08AUG\06\0806_11.D\0806_11-24AIR_0802.rr
Project ID: IPARK 0118.43 QD INDUSTRIES
Client ID: FB-01 (FIELD BLANK)

SDG ID: GCG56071
Phoenix ID: CG56071

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

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

Individual Canister Certification

December 08, 2020

Sample Information

Matrix: AIR
Canister Id: 28571
Certification Date: 07/30/20 6:42 PM
Data File: H:\AIR2020\CHEM20\07JUL\29\0729_28.D\0729_28-20_AIR_0729.rr
Project ID: IPARK 0118.43 QD INDUSTRIES
Client ID: IA-03 (MANUFACTURING-W)

SDG ID: GCG56071
Phoenix ID: CG56072

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

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

Individual Canister Certification

December 08, 2020

Sample Information

Matrix: AIR
Canister Id: 19426
Certification Date: 07/30/20 4:07 PM
Data File: H:\AIR2020\CHEM20\07JUL\29\0729_24.D\0729_24-20_AIR_0729.rr
Project ID: IPARK 0118.43 QD INDUSTRIES
Client ID: IA-08 (BASEMENT-N)

SDG ID: GCG56071
Phoenix ID: CG56073

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

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

Individual Canister Certification

December 08, 2020

Sample Information

Matrix: AIR
Canister Id: 215
Certification Date: 07/30/20 2:10 PM
Data File: H:\AIR2020\CHEM20\07JUL\29\0729_21.D\0729_21-20_AIR_0729.rr
Project ID: IPARK 0118.43 QD INDUSTRIES
Client ID: IA-07 (BASEMENT-S)

SDG ID: GCG56071
Phoenix ID: CG56074

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

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

Individual Canister Certification

December 08, 2020

Sample Information

Matrix: AIR
Canister Id: 28581
Certification Date: 07/30/20 3:28 PM
Data File: H:\AIR2020\CHEM20\07JUL\29\0729_23.D\0729_23-20_AIR_0729.rr
Project ID: IPARK 0118.43 QD INDUSTRIES
Client ID: IA-01 (OFFICE)

SDG ID: GCG56071
Phoenix ID: CG56075

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

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

Individual Canister Certification

December 08, 2020

Sample Information

Matrix: AIR
Canister Id: 13639
Certification Date: 07/30/20 2:49 PM
Data File: H:\AIR2020\CHEM20\07JUL\29\0729_22.D\0729_22-20_AIR_0729.rr
Project ID: IPARK 0118.43 QD INDUSTRIES
Client ID: AA-01

SDG ID: GCG56071
Phoenix ID: CG56076

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

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

Individual Regulator Certification

December 08, 2020

Sample Information

Matrix: AIR
Canister Id: 28623
Certification Date: 07/13/20 11:31 PM
Data File: H:\AIR2020\CHEM20\07JUL\12A\0712_22.D\0712_22-20_AIR_0710.rr
Project ID: IPARK 0118.43 QD INDUSTRIES
Client ID: IA-02 (MANUF. E)

SDG ID: GCG56071
Phoenix ID: CG56077

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

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

Individual Regulator Certification

December 08, 2020

Sample Information

Matrix: AIR
Canister Id: 9767
Certification Date: 07/14/20 1:30 AM
Data File: H:\AIR2020\CHEM20\07JUL\12A\0712_25.D\0712_25-20_AIR_0710.rr
Project ID: IPARK 0118.43 QD INDUSTRIES
Client ID: IA-04 (COMMON AREA)

SDG ID: GCG56071
Phoenix ID: CG56078

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

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

Individual Canister Certification

December 08, 2020

Sample Information

Matrix: AIR
Canister Id: 471
Certification Date: 06/25/20 12:33 AM
Data File: H:\AIR2020\CHEM20\06JUN\24\0624_21.D\0624_21-20_AIR_0615.rr
Project ID: IPARK 0118.43 QD INDUSTRIES
Client ID: IA-05 (STORAGE)

SDG ID: GCG56071
Phoenix ID: CG56079

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

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

Individual Canister Certification

December 08, 2020

Sample Information

Matrix: AIR
Canister Id: 23352
Certification Date: 07/11/20 4:42 AM
Data File: H:\AIR2020\CHEM20\07JUL\10\0710_28.D\0710_28-20_AIR_0710.rr
Project ID: IPARK 0118.43 QD INDUSTRIES
Client ID: IA-06 (FUTURE COMMON AREA)

SDG ID: GCG56071
Phoenix ID: CG56080

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

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

Individual Canister Certification

December 08, 2020

Sample Information

Matrix: AIR
Canister Id: 11292
Certification Date: 06/19/20 3:55 PM
Data File: H:\AIR2020\CHEM24\06JUN\18\0618_20.D\0618_20-24AIR_0612.rr
Project ID: IPARK 0118.43 QD INDUSTRIES
Client ID: IA-09 (SUBBASEMENT ROOM)

SDG ID: GCG56071
Phoenix ID: CG56081

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

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

Individual Canister Certification

December 08, 2020

Sample Information

Matrix: AIR
Canister Id: 19859
Certification Date: 06/24/20 9:20 PM
Data File: H:\AIR2020\CHEM20\06JUN\24\0624_16.D\0624_16-20_AIR_0615.rr
Project ID: IPARK 0118.43 QD INDUSTRIES
Client ID: IA-10 (SUBBASEMENT STAIRS)

SDG ID: GCG56071
Phoenix ID: CG56082

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

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

Individual Regulator Certification

December 08, 2020

Sample Information

Matrix: AIR
Canister Id: 19854
Certification Date: 07/14/20 10:30 AM
Data File: H:\AIR2020\CHEM24\07JUL\12A\0714_11.D\0714_11-24AIR_0710.rr
Project ID: IPARK 0118.43 QD INDUSTRIES
Client ID: IA-DUP

SDG ID: GCG56071
Phoenix ID: CG56083

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

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

Received 8/10

CHAIN OF CUSTODY RECORD
AIR ANALYSES

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

WC IP

P.O. # iPark0118.43 Page 1 of 2

Data Delivery:
☐ Fax #:
☒ Email: ejohnston@walden-associates.com
☒ Phone #: 516-624-7200

Report to: Kerri
Customer: Walden - iPark
Address: 16 Spring Street
Oyster Bay, NY 11771

Project Name: iPark0118.43 - QD Industries
Invoice to: Carl Manhart : iPark
Sampled by: Erica Johnston

Data Format: (Circle) Equis (Excel) Other: PDF
Requested Deliverable: RCP (ASP CAT B) MCP NJ Deliverables
Quote Number:

Phoenix ID #	Client Sample ID	Canister ID #	Canister Size (L)	Outgoing Canister Pressure (" Hg)	Incoming Canister Pressure ("Hg)	Flow Regulator ID #	Flow Controller Setting (mL/min)	Sampling Start Time	Sampling End Time	Sample Start Date	Canister Pressure at Start (" Hg)	Canister Pressure at End ("Hg)	MATRIX: Ambient/Indoor Air	MATRIX: Soil Gas	MATRIX: Grab (G) Composite (C)	ANALYSES: TO-15	ANALYSES: APH	
		THIS SECTION FOR LAB USE ONLY																
S6071	FB-01 (Field Blank)	23350	6.0	-30	-9	6990	10.8	07:45	08:5	8/17/20	-29	-9	X		G	X		
S6072	IA-03 (Manufacturing W)	28571			-9	7023		08:47	15:11	8/17/20	-28	-8	X		G	X		
S6073	IA-08 (Basement - N)	19426			-8	7004		09:16	15:46	8/17/20	-30	-9	X		G	X		
S6074	IA-07 (Basement S)	215			-11	5600		09:18	15:20	8/17/20	-30	-8	X		G	X		
S6075	IA-01 (office)	28581	↓	↓	-9	6987	↓	08:45	15:10	8/17/20	-30	-9	X		G	X		
	6L 8hr																	
	IND CAN																	
	IND REG																	

Relinquished by: Kelly Wright — Date: 8/18/20 Time: 10:25
Accepted by: — Date: 8/18 Time: 1626

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: 8/17/2020

State Where Samples Collected:

Turnaround Time:
1 Day ☐
2 Day ☐
3 Day ☒
4 Day ☐
5 Day ☐

Requested Criteria: (Please Circle)

CT:	MA:	NJ:	NY:	PA:	VT:
TAC I/C	Indoor Air: Residential	Indoor Air: Residential	Vapor Intrusion	Indoor Air: Residential	Indoor Air: Residential
TAC RES	Ind/Commercial	Ind/Commercial		Non-residential	Industrial
SVVC I/C	Soil Gas: Residential	Soil Gas: Residential			Sub-slab: Residential
SVVC RES	Ind/Commercial	Ind/Commercial			Industrial
GWV I/C					
GWV CES					

SPECIAL INSTRUCTIONS, QC REQUIREMENTS, REGULATORY INFORMATION:
TO-15 "specialcalle list." See Bobbi/Greg
- modified TO-15 analysis per project QAPP.

PEL-115 Rev. 9/2019

PHOENIX
Environmental Laboratories, Inc.

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

WCP 2.3

Data Delivery:
☐ Fax #:
☒ Email: nbrew@walden-associates.com

12/08/2020

Report to:	Erica	Invoice to:	Carl Manhart - iPark	Project Name:	iPark0118.43
Address:	Walden - iPark (116 Spring St Oyster Bay)	Address:		Location:	QD Industries
Project Mgr:	Nora Brew	P.O. #	0118.43 - QD Industries	State:	B.334
Phone #	516-624-7200	Quote #	0118.43	Sampled by:	EMS

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	Is Canister Returned Unused? Y/N
		LAB USE ONLY											MATRIX			ANALYSES		
S6076	AA-01	13639	6.0	-30	-10	5673	10.8	10:12	16:43	8/17/20	-30	-9.5	X		G		X	N
S6077	IA-02 (mezzanine E)	28623			-8	7020		08:36	15:24		-30	-9	X		G		X	
S6078	IA-04 (common area)	9767			-7	7011		08:32	15:05		-30	-8.5	X		G		X	
S6079	IA-05 (stairwell)	471			-7	3502		08:38	15:08		-30	-9	X		G		X	
S6080	IA-06 (further mezzanine area)	23352			-8	4987		08:38	15:26		-30	-9	X		G		X	
S6081	IA-09 (subbasement room)	11292			-8	3510		09:14	15:40		-30	-8.5	X		G		X	
S6082	IA-10 (subbasement stairs)	14859	↓	↓	-8	7027	↓	09:12	15:36		-30	-9	X		G		X	
S6083	IA-Dup	19854	↓	↓	-9	4976	↓	08:38	15:08	↓	-29	-9	X		G		X	↓

Relinquished by:	Accepted by:	Date:	Time:
Ken Wright		8/18/20	10:25
		8/18/20	1626

Criteria Requested: **Deliverable:** RCP ☐ MCP ☐ **Data Format:** Excel ☒ Equis ☐ PDF ☒ Other: ☒ ASP Cat B GISKey ☐

State where samples collected: NY

SPECIAL INSTRUCTIONS, QC REQUIREMENTS, REGULATORY INFORMATION:
TO-15 "special code list." See Bobby/Greg modified TO-15 analytes per project QAPP

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: 8/17/2020

Phoenix Environmental Laboratories, Inc.

PHOENIX
Environmental Laboratories, Inc.

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

IPARK 0118.43 QD INDUSTRIES

Laboratory Project: GCG56071

Volatile TO15
Ver 2

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 indentification 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.

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

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

SDG: GCG56071

Volatile Air Conformance / Non-Conformance Summary

Project ID / Client ID: IPARK 0118.43 QD INDUSTRIES, 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: CG56077 LCS
All LCS recoveries met criteria with the following exceptions: None.

Sample: CG56077 LCSD
All LCS recoveries met criteria with the following exceptions: Dichlorodifluoromethane 43%

Form 4 (Method Blank):

File: CHEM24 0818_13.D
All compounds were non-detect with the following exceptions: None,

Form 5 (Tune):

File: CHEM24 0810_02.D
All Tune criteria was met with the following exceptions: None.

File: CHEM24 0818_08.D
All Tune criteria was met with the following exceptions: None.

Form 6 (Initial Calibration):

Calibration: CHEM24 08/10/20 - 08/10/20
100% of method compounds met criteria.
The following compounds did not meet maximum % deviations: None.

Calibration: CHEM24 08/10/20 - 08/10/20
100% of method compounds met criteria.
The following compounds did not meet maximum % deviations: None.

Form 7 (Continuing Calibration):

File: CHEM24 0818_08.D (Opening)
100% of method compounds met criteria.
The following compounds did not meet maximum % deviations: None.

Form 8 (Internal Standard and Retention Time):

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

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

SDG: GCG56071

Volatile Air Conformance / Non-Conformance Summary

Project ID / Client ID: IPARK 0118.43 QD INDUSTRIES, Walden Environmental Engineering PLLC

File: CHEM24 - 24AIR_0810_wal.M / 0818_08.D Full
All samples met internal standard area and retention time critieria with the following exceptions: None.

File: CHEM24 - 24AIR_0810_wal.M / 0818_08.D Sim
All samples met internal standard area and retention time critieria with the following exceptions: None.

File: CHEM24 - 24AIR_0810_wal.M / Average Full
All samples met internal standard area and retention time critieria with the following exceptions: None.

File: CHEM24 - 24AIR_0810_wal.M / Average Sim
All samples met internal standard area and retention time critieria with the following exceptions: None.

12/03/20

Alejandro Paredes
Project Manager

2C
AIR SYSTEM MONITORING COMPOUND RECOVERY

Lab Name: Phoenix Environmental Labs Client: WALDENE-IPARK

Lab Code: Phoenix Case No.: SDG: GCG56071

QC Batch Id: 555330 QC Sample Id: CG56077

	CLIENT ID	LAB ID	SMC1 BFB #				TOT OUT
01	CG56077 LCS	CG56077 LCS	104				0
02	CG56077 LCSD	CG56077 LCSD	102				0
03	CG56077 BLANK	CG56077 BLANK	101				0
04	FB-01 (FIELD BLANK)	CG56071	99				0
05	IA-03 (MANUFACTURING-W	CG56072	101				0
06	IA-08 (BASEMENT-N)	CG56073	99				0
07	IA-07 (BASEMENT-S)	CG56074	101				0
08	IA-01 (OFFICE)	CG56075	99				0
09	AA-01	CG56076	101				0
10	IA-02 (MANUF. E)	CG56077	100				0
11	IA-02 (MANUF. E) DUP	CG56077 DUP	100				0
12	IA-04 (COMMON AREA)	CG56078	100				0
13	IA-05 (STORAGE)	CG56079	100				0
14	IA-06 (FUTURE COMMON AI	CG56080	98				0
15	IA-09 (SUBBASEMENT ROO	CG56081	100				0
16	IA-10 (SUBBASEMENT STAI	CG56082	102				0
17	IA-DUP	CG56083	99				0
18							
19							
20							
21							
22							
23							
24							
25							
26							
27							
28							
29							
30							

			QC LIMITS
SMC1	BFB	Bromofluorobenzene	(70-130)

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

FORM II AIR

AIR LCS RECOVERY

Lab Name: Phoenix Environmental Labs Client: WALDENE-IPARK

Lab Code: Phoenix Case No: SAS No: SDG No GCG56071

LCS - Client Id: CG56077 LCS

COMPOUND	SPIKE ADDED (ppbv)		LCS CONCENTRATION (ppbv)	LCS % REC #	QC. LIMITS REC.	
Dichlorodifluoromethane	10		10.40	104	70	130
Vinyl Chloride	10		11.11	111	70	130
Acetone	10		10.30	103	70	130
Trichlorofluoromethane	10		12.23	122	70	130
1,1-Dichloroethene	10		11.44	114	70	130
Methylene Chloride	10		10.68	107	70	130
Trichlorotrifluoroethane	10		11.15	112	70	130
Cis-1,2-Dichloroethene	10		11.04	110	70	130
1,1,1-Trichloroethane	10		11.87	119	70	130
Benzene	10		9.641	96	70	130
Carbon Tetrachloride	10		12.17	122	70	130
Trichloroethene	10		10.60	106	70	130
Toluene	10		10.35	104	70	130
Tetrachloroethene	10		10.65	107	70	130
Chlorobenzene	10		10.56	106	70	130
Ethylbenzene	10		10.59	106	70	130
m,p-Xylene	20		21.53	108	70	130
o-Xylene	10		10.78	108	70	130
1,3-Dichlorobenzene	10		11.10	111	70	130
1,4-Dichlorobenzene	10		11.29	113	70	130
1,2-Dichlorobenzene	10		11.12	111	70	130
1,2,4-Trichlorobenzene	10		10.39	104	70	130

FORM III AIR

AIR LCS RECOVERY

Lab Name: Phoenix Environmental Labs Client: WALDENE-IPARK

Lab Code: Phoenix Case No: SAS No: SDG No GCG56071

LCS - Client Id: CG56077 LCSD

COMPOUND	SPIKE ADDED (ppbv)		LCS CONCENTRATION (ppbv)	LCS % REC #	QC. LIMITS REC.	
Dichlorodifluoromethane	10		4.300	43 *	70	130
Vinyl Chloride	10		10.67	107	70	130
Acetone	10		9.859	99	70	130
Trichlorofluoromethane	10		11.48	115	70	130
1,1-Dichloroethene	10		10.82	108	70	130
Methylene Chloride	10		10.28	103	70	130
Trichlorotrifluoroethane	10		10.49	105	70	130
Cis-1,2-Dichloroethene	10		10.28	103	70	130
1,1,1-Trichloroethane	10		11.04	110	70	130
Benzene	10		9.032	90	70	130
Carbon Tetrachloride	10		11.24	112	70	130
Trichloroethene	10		9.936	99	70	130
Toluene	10		9.751	98	70	130
Tetrachloroethene	10		9.927	99	70	130
Chlorobenzene	10		9.486	95	70	130
Ethylbenzene	10		9.651	97	70	130
m,p-Xylene	20		20.26	101	70	130
o-Xylene	10		9.836	98	70	130
1,3-Dichlorobenzene	10		10.04	100	70	130
1,4-Dichlorobenzene	10		10.25	103	70	130
1,2-Dichlorobenzene	10		10.07	101	70	130
1,2,4-Trichlorobenzene	10		9.508	95	70	130

FORM III AIR

4A

AIR METHOD BLANK SUMMARY

Client ID: CG56077 BLANK

Lab Name: Phoenix Environmental Labs Client:

Lab Code: Phoenix Case No.: SAS No.: SDG No.: GCG56071

Lab File ID: 0818_13.D Lab Sample ID: CG56077 BLK

Date Analyzed: 08/18/2020 Time Analyzed: 22:40

GC Column: RTX-VMS Lab Batch ID: 555330

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	CG56077 LCS	CG56077 LCS	0818_10.D	21:01
02	CG56077 LCSD	CG56077 LCS	0818_11.D	21:38
03	FB-01 (FIELD BLANK)	CG56071	0818_14.D	23:21
04	IA-03 (MANUFACTURING	CG56072	0818_15.D	00:01
05	IA-08 (BASEMENT-N)	CG56073	0818_16.D	00:42
06	IA-07 (BASEMENT-S)	CG56074	0818_17.D	01:23
07	IA-01 (OFFICE)	CG56075	0818_18.D	02:04
08	AA-01	CG56076	0818_19.D	02:45
09	IA-02 (MANUF. E)	CG56077	0818_20.D	03:26
10	IA-02 (MANUF. E) DUP	CG56077 DUP	0818_21.D	04:06
11	IA-04 (COMMON AREA)	CG56078	0818_22.D	04:46
12	IA-05 (STORAGE)	CG56079	0818_23.D	05:27
13	IA-06 (FUTURE COMMON	CG56080	0818_24.D	06:08
14	IA-09 (SUBBASEMENT R	CG56081	0818_25.D	08:24
15	IA-10 (SUBBASEMENT ST	CG56082	0818_26.D	09:05
16	IA-DUP	CG56083	0818_27.D	09:45
17				
18				
19				
20				

COMMENTS:

FORM IV AIR

5B
AIR INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: Phoenix Environmental Labs Client:

Lab Code: Phoenix Case No.: SAS No.: SDG No.: GCG56071

Lab File ID: 0810_02.D BFB Injection Date: 08/10/20

Instrument ID: CHEM24 BFB Injection Time: 09:35

GC Column: RTX-VMS Heated Purge: (Y/N) Y

AutoFind: Scans 1665, 1666, 1667; Background Corrected with Scan 1657

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE			
50	8.0 - 40.0% of mass 95	25.2			
75	30.0 - 66.0% of mass 95	40.6			
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	95.2			
175	4.0 - 9.0% of mass 174	7.7	(	7.3	)1
176	93.0 - 101.0% of mass 174	96.6	(	92.0	)1
177	5.0 - 9.0% of mass 176	6.6	(	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	0810_03.D	08/10/20	10:07	
02	ICAL 0.035	0.035	0810_04.D	08/10/20	10:38	
03	ICAL 0.05	0.05	0810_05.D	08/10/20	11:10	
04	ICAL 0.1	0.10	0810_06.D	08/10/20	11:55	
05	ICAL 0.5	0.5	0810_07.D	08/10/20	12:32	
06	ICAL 2.5	2.5	0810_08.D	08/10/20	13:08	
07	ICAL 5	5.0	0810_09.D	08/10/20	13:40	
08	ICAL 25	25	0810_10.D	08/10/20	14:17	
09	ICAL 40	40	0810_11.D	08/10/20	14:56	
10	ICAL 1	1ppb	0810_13.D	08/10/20	16:00	
11	ICAL 0.2	0.2ppb	0810_14.D	08/10/20	16:34	
12	ICAL 10	10ppb	0810_15.D	08/10/20	17:07	
13						
14						
15						
16						
17						
18						
19						
20						
21						
22						
23						
24						
25						

(*) Outside 24 hr clock

FORM V AIR

CLPBFB

Data Path : H:\AIR2020\CHEM24\08AUG\10\
Data File : 0810_02.D
Acq On : 10 Aug 2020 9:35 am
Operator : Keith
Sample : 0/0
Misc :
ALS Vial : 5 Sample Multiplier: 1

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

Method : H:\AIR2020\CHEM24\METHODS\24AIR_0810_wal.M
Title : VOA Standards for 5 point calibration
Last Update : Thu Dec 03 14:14:20 2020

AutoFind: Scans 1665, 1666, 1667; Background Corrected with Scan 1657

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	8	40	25.2	48328	PASS
75	95	30	66	40.6	77760	PASS
95	95	100	100	100.0	191701	PASS
96	95	5	9	6.4	12205	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	120	95.2	182592	PASS
175	174	4	9	7.7	14014	PASS
176	174	93	101	96.6	176341	PASS
177	176	5	9	6.6	11647	PASS

24AIR_0810_wal.M Thu Dec 03 14:14:56 2020

5B
AIR INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: Phoenix Environmental Labs Client:

Lab Code: Phoenix Case No.: SAS No.: SDG No.: GCG56071

Lab File ID: 0818_08.D BFB Injection Date: 08/18/20

Instrument ID: CHEM24 BFB Injection Time: 19:50

GC Column: RTX-VMS Heated Purge: (Y/N) Y

AutoFind: Scans 1667, 1668, 1669; Background Corrected with Scan 1659

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE			
50	8.0 - 40.0% of mass 95	30.5			
75	30.0 - 66.0% of mass 95	44.2			
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	93.9			
175	4.0 - 9.0% of mass 174	7.5	(	7.0	)1
176	93.0 - 101.0% of mass 174	96.0	(	90.2	)1
177	5.0 - 9.0% of mass 176	6.6	(	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	1.0ppb cc	0818_08.D	08/18/20	19:50	
02	CG56077 LCS	CG56077 LCS	0818_10.D	08/18/20	21:01	
03	CG56077 LCSD	CG56077 LCSD	0818_11.D	08/18/20	21:38	
04	CG56077 BLANK	CG56077 BLANK	0818_13.D	08/18/20	22:40	
05	FB-01 (FIELD BLANK)	CG56071	0818_14.D	08/18/20	23:21	
06	IA-03 (MANUFACTURING-W	CG56072	0818_15.D	08/19/20	00:01	
07	IA-08 (BASEMENT-N)	CG56073	0818_16.D	08/19/20	00:42	
08	IA-07 (BASEMENT-S)	CG56074	0818_17.D	08/19/20	01:23	
09	IA-01 (OFFICE)	CG56075	0818_18.D	08/19/20	02:04	
10	AA-01	CG56076	0818_19.D	08/19/20	02:45	
11	IA-02 (MANUF. E)	CG56077	0818_20.D	08/19/20	03:26	
12	IA-02 (MANUF. E) DUP	CG56077 DUP	0818_21.D	08/19/20	04:06	
13	IA-04 (COMMON AREA)	CG56078	0818_22.D	08/19/20	04:46	
14	IA-05 (STORAGE)	CG56079	0818_23.D	08/19/20	05:27	
15	IA-06 (FUTURE COMMON A	CG56080	0818_24.D	08/19/20	06:08	
16	IA-09 (SUBBASEMENT ROO	CG56081	0818_25.D	08/19/20	08:24	
17	IA-10 (SUBBASEMENT STA	CG56082	0818_26.D	08/19/20	09:05	
18	IA-DUP	CG56083	0818_27.D	08/19/20	09:45	
19						
20						
21						
22						
23						
24						
25						

(*) Outside 24 hr clock

FORM V AIR

CLPBFB

Data Path : H:\AIR2020\CHEM24\08AUG\18\
Data File : 0818_08.D
Acq On : 18 Aug 2020 7:50 pm
Operator : Keith
Sample : 1.0ppb cc
Misc :
ALS Vial : 133 Sample Multiplier: 1

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

Method : H:\AIR2020\CHEM24\METHODS\24AIR_0810_wal.M
Title : VOA Standards for 5 point calibration
Last Update : Thu Dec 03 14:14:20 2020

AutoFind: Scans 1667, 1668, 1669; Background Corrected with Scan 1659

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	8	40	30.5	42437	PASS
75	95	30	66	44.2	61611	PASS
95	95	100	100	100.0	139317	PASS
96	95	5	9	6.4	8952	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	120	93.9	130875	PASS
175	174	4	9	7.5	9752	PASS
176	174	93	101	96.0	125605	PASS
177	176	5	9	6.5	8226	PASS

24AIR_0810_wal.M Thu Dec 03 14:19:42 2020

8A
AIR INTERNAL STANDARD AREA AND RT SUMMARY
Full Scan

Lab Name: Phoenix Environmental Labs Client:

Lab Code: Phoenix Case No.: SAS No.: SDG No.: GCG56071

Lab Method / File Id: 24AIR_0810_wal.M / Average Date Analyzed: 08/10/20

Instrument ID: CHEM24 Time Analyzed: 16:00

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	156876		5.41		494927		7.34		209075		10.92				Average
	UPPER LIMIT	220410		5.74		695372		7.67		293750		11.25				Average
	LOWER LIMIT	93341		5.08		294481		7.01		124399		10.59				Average
	CLIENT ID															
01	ICAL 0.5	167059		5.41		535582		7.34		224642		10.91				0810_07.D
02	ICAL 2.5	158718		5.41		515221		7.34		211247		10.91				0810_08.D
03	ICAL 5	148846		5.41		481840		7.34		203865		10.92				0810_09.D
04	ICAL 25	155331		5.42		476120		7.35		205029		10.92				0810_10.D
05	ICAL 40	161680		5.42		487220		7.35		208624		10.92				0810_11.D
06	ICAL 1	159404		5.41		505713		7.34		214745		10.92				0810_13.D
07	ICAL 0.2	155283		5.41		490080		7.34		206551		10.92				0810_14.D
08	ICAL 10	148683		5.42		467637		7.34		197895		10.92				0810_15.D
09																
10																
11																
12																
13																
14																
15																
16																
17																
18																
19																
20																
21																
22																

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

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

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

FORM VIII VOA

8A
AIR INTERNAL STANDARD AREA AND RT SUMMARY
Sim Scan

Lab Name: Phoenix Environmental Labs Client:

Lab Code: Phoenix Case No.: SAS No.: SDG No.: GCG56071

Lab Method / File Id: 24AIR_0810_wal.M / Average Date Analyzed: 08/10/20

Instrument ID: CHEM24 Time Analyzed: 16:00

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	173190	5.41	520417	7.34	217945	10.91			Average
UPPER LIMIT	243332	5.74	731185	7.67	306213	11.24			Average
LOWER LIMIT	103048	5.08	309648	7.01	129677	10.58			Average
CLIENT ID									
01 ICAL 0.02	189812	5.41	579495	7.34	239993	10.91			0810_03.D
02 ICAL 0.035	176816	5.41	542337	7.34	226038	10.91			0810_04.D
03 ICAL 0.05	180256	5.41	546644	7.34	227360	10.91			0810_05.D
04 ICAL 0.1	179824	5.41	539617	7.34	227117	10.91			0810_06.D
05 ICAL 0.5	178292	5.41	535582	7.34	224642	10.91			0810_07.D
06 ICAL 2.5	171283	5.41	515221	7.34	211247	10.91			0810_08.D
07 ICAL 5	159240	5.42	481840	7.34	203865	10.92			0810_09.D
08 ICAL 1	171220	5.41	505713	7.34	214745	10.92			0810_13.D
09 ICAL 0.2	165585	5.42	490080	7.34	206551	10.92			0810_14.D
10 ICAL 10	159575	5.42	467637	7.34	197895	10.92			0810_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:

Lab Code: Phoenix Case No.: SAS No.: SDG No.: GCG56071

Lab Method / File Id: 24AIR_0810_wal.M / 0818_08.D Date Analyzed: 08/18/20

Instrument ID: CHEM24 Time Analyzed: 19:50

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	125966		5.41		386855		7.34		168340		10.92				0818_08.D
	UPPER LIMIT	176982		5.74		543531		7.67		236518		11.25				0818_08.D
	LOWER LIMIT	74950		5.08		230179		7.01		100162		10.59				0818_08.D
	CLIENT ID															
01	CCAL 1	125966		5.41		386855		7.34		168340		10.92				0818_08.D
02	CG56077 LCS	115722		5.42		361438		7.35		157590		10.91				0818_10.D
03	CG56077 LCSD	121717		5.41		380796		7.35		168273		10.92				0818_11.D
04	CG56077 BLANK	123894		5.41		384632		7.34		165001		10.92				0818_13.D
05	FB-01 (FIELD BLANK)	124413		5.42		385647		7.34		168291		10.91				0818_14.D
06	IA-03 (MANUFACTURING-V	122378		5.41		373097		7.34		163127		10.91				0818_15.D
07	IA-08 (BASEMENT-N)	121579		5.41		380294		7.34		167967		10.91				0818_16.D
08	IA-07 (BASEMENT-S)	121232		5.41		379007		7.34		163253		10.91				0818_17.D
09	IA-01 (OFFICE)	117145		5.41		357187		7.34		158805		10.92				0818_18.D
10	AA-01	117567		5.41		361645		7.34		159214		10.92				0818_19.D
11	IA-02 (MANUF. E)	115170		5.41		356558		7.34		156567		10.92				0818_20.D
12	IA-02 (MANUF. E) DUP	112199		5.41		349635		7.34		154536		10.92				0818_21.D
13	IA-04 (COMMON AREA)	115631		5.41		356591		7.34		155795		10.92				0818_22.D
14	IA-05 (STORAGE)	110604		5.41		339367		7.34		149789		10.92				0818_23.D
15	IA-06 (FUTURE COMMON A	109951		5.41		339344		7.34		150530		10.92				0818_24.D
16	IA-09 (SUBBASEMENT RO	108755		5.40		334286		7.33		149432		10.91				0818_25.D
17	IA-10 (SUBBASEMENT STA	111487		5.41		338827		7.34		149591		10.91				0818_26.D
18	IA-DUP	111059		5.41		346327		7.34		152905		10.91				0818_27.D
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:

Lab Code: Phoenix Case No.: SAS No.: SDG No.: GCG56071

Lab Method / File Id: 24AIR_0810_wal.M / 0818_08.D Date Analyzed: 08/18/20

Instrument ID: CHEM24 Time Analyzed: 19:50

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	136576		5.42		386855		7.34		168340		10.92				0818_08.D
	UPPER LIMIT	191889		5.75		543531		7.67		236518		11.25				0818_08.D
	LOWER LIMIT	81263		5.09		230179		7.01		100162		10.59				0818_08.D
	CLIENT ID															
01	CCAL 1	136576		5.42		386855		7.34		168340		10.92				0818_08.D
02	CG56077 LCS	125157		5.42		361438		7.35		157590		10.91				0818_10.D
03	CG56077 LCSD	133698		5.42		380796		7.35		168273		10.92				0818_11.D
04	CG56077 BLANK	134520		5.42		384632		7.34		165001		10.92				0818_13.D
05	FB-01 (FIELD BLANK)	134450		5.41		385647		7.34		168291		10.91				0818_14.D
06	IA-03 (MANUFACTURING-V	130330		5.42		373097		7.34		163127		10.91				0818_15.D
07	IA-08 (BASEMENT-N)	132878		5.41		380294		7.34		167967		10.91				0818_16.D
08	IA-07 (BASEMENT-S)	132816		5.41		379007		7.34		163253		10.91				0818_17.D
09	IA-01 (OFFICE)	126553		5.41		357187		7.34		158805		10.92				0818_18.D
10	AA-01	128145		5.41		361645		7.34		159214		10.92				0818_19.D
11	IA-02 (MANUF. E)	126005		5.41		356558		7.34		156567		10.92				0818_20.D
12	IA-02 (MANUF. E) DUP	124255		5.42		349635		7.34		154536		10.92				0818_21.D
13	IA-04 (COMMON AREA)	125132		5.42		356591		7.34		155795		10.92				0818_22.D
14	IA-05 (STORAGE)	120672		5.42		339367		7.34		149789		10.92				0818_23.D
15	IA-06 (FUTURE COMMON /	120115		5.41		339344		7.34		150530		10.92				0818_24.D
16	IA-09 (SUBBASEMENT RO	120491		5.41		334286		7.33		149432		10.91				0818_25.D
17	IA-10 (SUBBASEMENT STA	121963		5.41		338827		7.34		149591		10.91				0818_26.D
18	IA-DUP	122480		5.41		346327		7.34		152905		10.91				0818_27.D
19																
20																
21																
22																

IS1 (BCM) = Bromochloromethane
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RT UPPER LIMIT = +0.33 minutes of internal standard RT
RT LOWER LIMIT = -0.33 minutes of internal standard RT

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

FORM VIII VOA

1

AIR ANALYSIS DATA SHEET

CLIENT ID

FB-01 (FIELD BLANK)

Client: WALDENE-IPARK Lab: Phoenix Env. Labs

SDG No.: GCG56071 Lab Sample ID: CG56071

Canister: 23350 Lab File ID: 0818_14.D

Instrument: CHEM24 Column: RTX-VMS Date Received: 08/18/20

Purge Volume 200 (cc) Date Analyzed: 08/18/20

Matrix: AIR Dilution Factor: 1

CONCENTRATION UNITS: (ppbv or ug/m3) ppbv

CAS NO.	COMPOUND	CONC.	Q	MDL	PQL	R
75-71-8	Dichlorodifluoromethane	0.200	U	0.200	0.200	r
67-64-1	Acetone	1.00	U	1.00	1.00	r
75-69-4	Trichlorofluoromethane	0.150	U	0.150	0.150	r
75-09-2	Methylene Chloride	0.720	S	0.400	0.400	r
76-13-1	Trichlorotrifluoroethane	0.150	U	0.150	0.150	r
71-55-6	1,1,1-Trichloroethane	0.200	U	0.200	0.200	r
71-43-2	Benzene	0.455		0.050	0.050	r
108-88-3	Toluene	0.659		0.200	0.200	r
108-90-7	Chlorobenzene	0.200	U	0.200	0.200	r
100-41-4	Ethylbenzene	0.150	U	0.150	0.150	r
179601-23-1	m,p-Xylene	0.438		0.150	0.150	r
95-47-6	o-Xylene	0.293		0.150	0.150	r
541-73-1	1,3-Dichlorobenzene	0.150	U	0.150	0.150	r
95-50-1	1,2-Dichlorobenzene	0.150	U	0.150	0.150	r
120-82-1	1,2,4-Trichlorobenzene	0.250	U	0.250	0.250	r
75-01-4	Vinyl Chloride(sim)	0.020	U	0.020	0.020	r
56-23-5	Carbon Tetrachloride(sim)	0.021		0.020	0.020	r
75-35-4	1,1-Dichloroethene(sim)	0.050	U	0.050	0.050	r
156-59-2	Cis-1,2-Dichloroethene(sim)	0.050	U	0.050	0.050	r
79-01-6	Trichloroethene(sim)	0.037	U	0.037	0.037	r
127-18-4	Tetrachloroethene(sim)	0.152		0.100	0.100	r
106-46-7	1,4-Dichlorobenzene(sim)	0.150	U	0.150	0.150	r

FORM I AIR

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

Quantitation Report (QT Reviewed)

Data Path : H:\AIR2020\CHEM24\08AUG\18\
Data File : 0818_14.D
Acq On : 18 Aug 2020 11:21 pm
Operator : Keith
Client ID : FB-01 (FIELD BLANK)
Lab ID : CG56071
ALS Vial : 139 Sample Multiplier: 1

Quant Time: Dec 03 14:29:36 2020
Quant Method : H:\AIR2020\CHEM24\METHODS\24AIR_0810_wal.M
Quant Title : VOA Standards for 5 point calibration
QLast Update : Thu Dec 03 14:24:50 2020
Response via : Initial Calibration

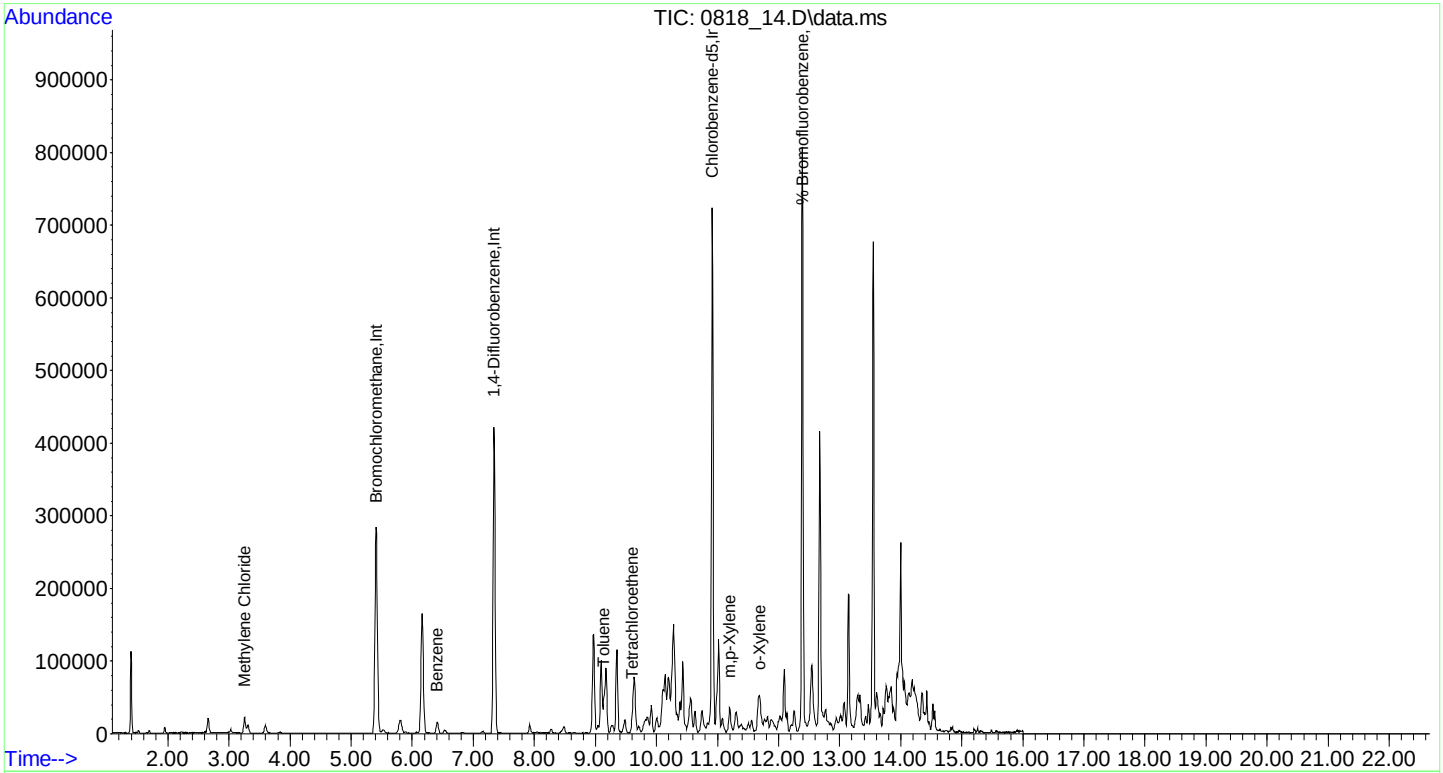
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Bromochloromethane	5.417	130	124413	10.000	ng		0.01
15) 1,4-Difluorobenzene	7.340	114	385647	10.000	ng		0.00
20) Chlorobenzene-d5	10.915	82	168291	10.000	ng		0.00
30) Bromochloromethane(sim)	5.413	130	134450	10.000	ng	#	0.00
41) 1,4-Difluorobenzene(sim)	7.340	114	385647	10.000	ng		0.00
47) Chlorobenzene-d5(sim)	10.915	82	168291	10.000	ng		0.00
System Monitoring Compounds							
25) % Bromofluorobenzene	12.389	95	256405	9.911	ppbv		0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 99.10%				
Target Compounds							Qvalue
7) Methylene Chloride	3.258	49	16082	0.720	ppbv		90
13) Benzene	6.409	78	12351	0.455	ppbv#		94
14) Carbon Tetrachloride	5.756	117	543	0.019	ppbv#		42
18) Toluene	9.138	91	23771	0.659	ppbv#		85
19) Tetrachloroethene	9.607	166	3243	0.147	ppbv#		75
23) m,p-Xylene	11.196	91	16150	0.438	ppbv		97
24) o-Xylene	11.697	91	11473	0.293	ppbv		95
34) Carbon Tetrachloride(sim)	5.766	117	669	0.021	ppbv		98
46) Tetrachloroethene(sim)	9.603	166	3780	0.152	ppbv		97
48) m,p-Xylene(sim)	11.199	91	17946	0.421	ppbv		97

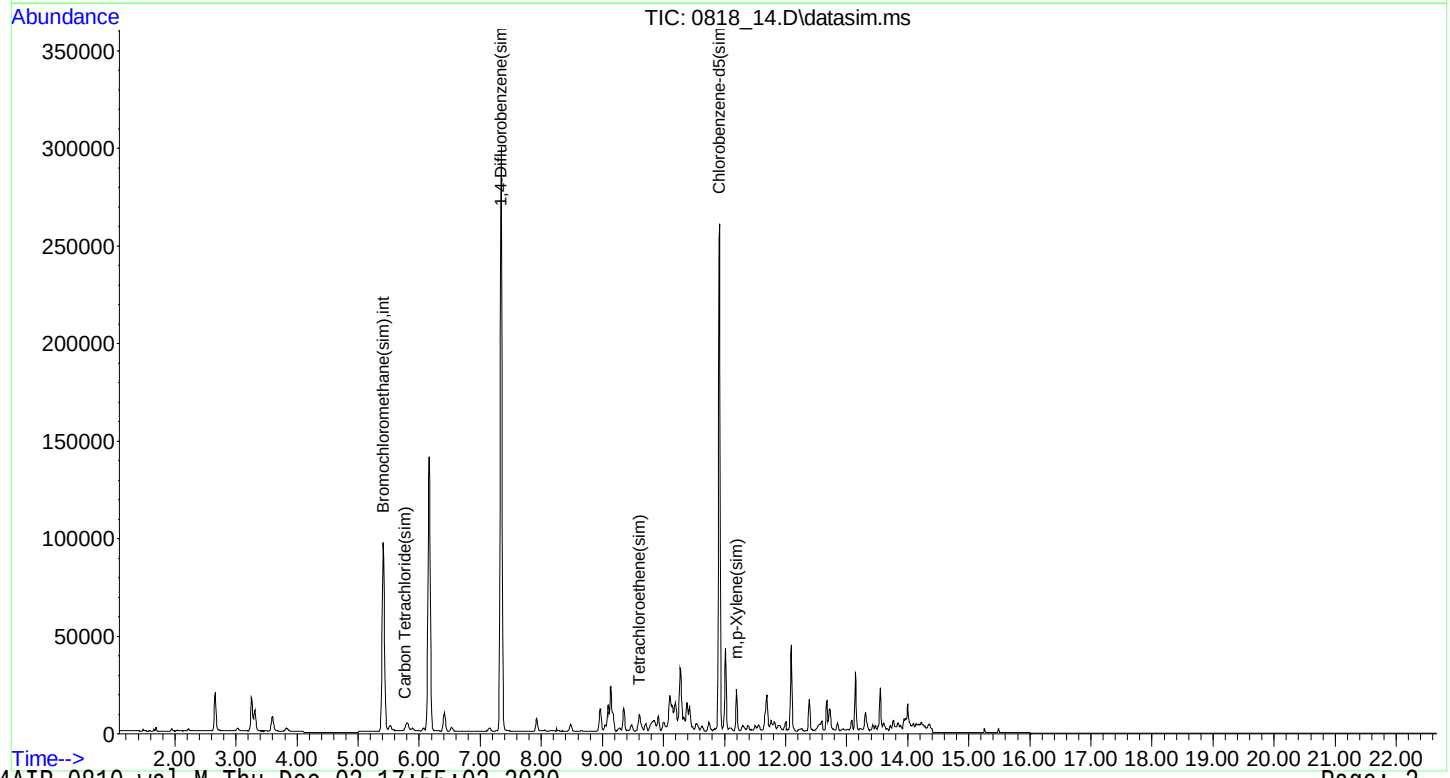
(#)out of range (m)manual integration reviewed by analyst (+)signals summed

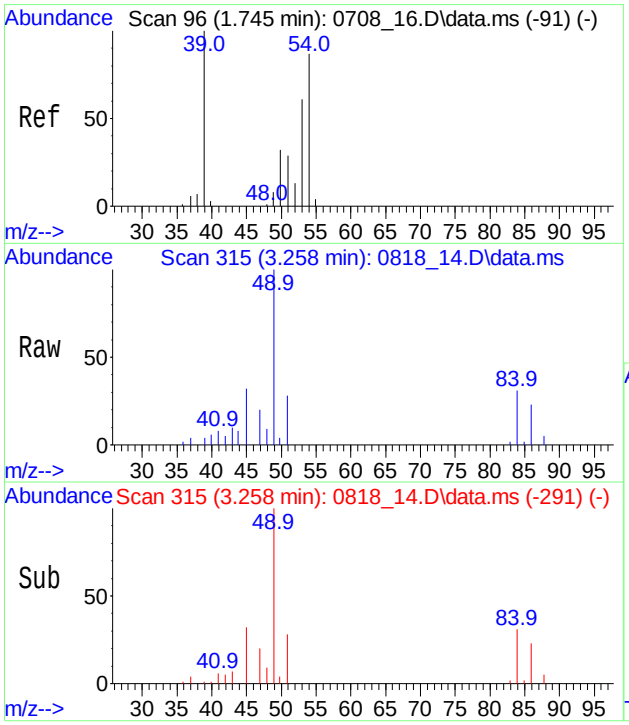
Quantitation Report (QT Reviewed)

Data Path : H:\AIR2020\CHEM24\08AUG\18\
Data File : 0818_14.D
Acq On : 18 Aug 2020 11:21 pm
Operator : Keith
Client ID : FB-01 (FIELD BLANK)
Lab ID : CG56071
ALS Vial : 139 Sample Multiplier: 1

Quant Time: Dec 03 14:29:36 2020
Quant Method : H:\AIR2020\CHEM24\METHODS\24AIR_0810_wal.M
Quant Title : VOA Standards for 5 point calibration
QLast Update : Thu Dec 03 14:24:50 2020
Response via : Initial Calibration



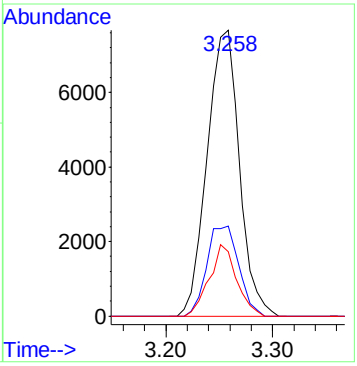


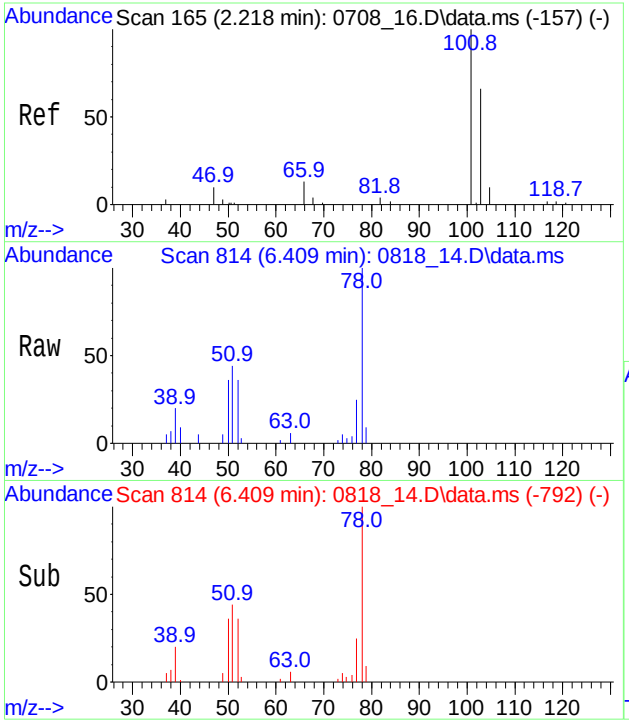


#7
Methylene Chloride
Conc: 8$ 0.720 ppbv
RT: 3.258 min Scan# 315
Delta R.T. 0.014 min
Lab File: 0818_14.D
Acq: 18 Aug 2020 11:21 pm

Tgt Ion: 49 Resp: 16082

Ion	Ratio	Lower	Upper
49	100		
84	31.2	30.6	46.0
86	21.1	19.8	29.6

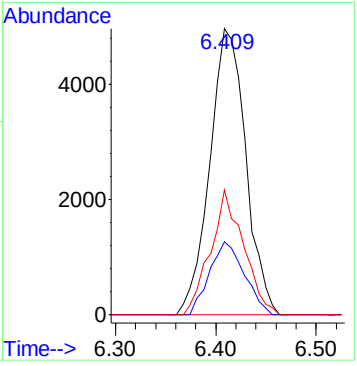


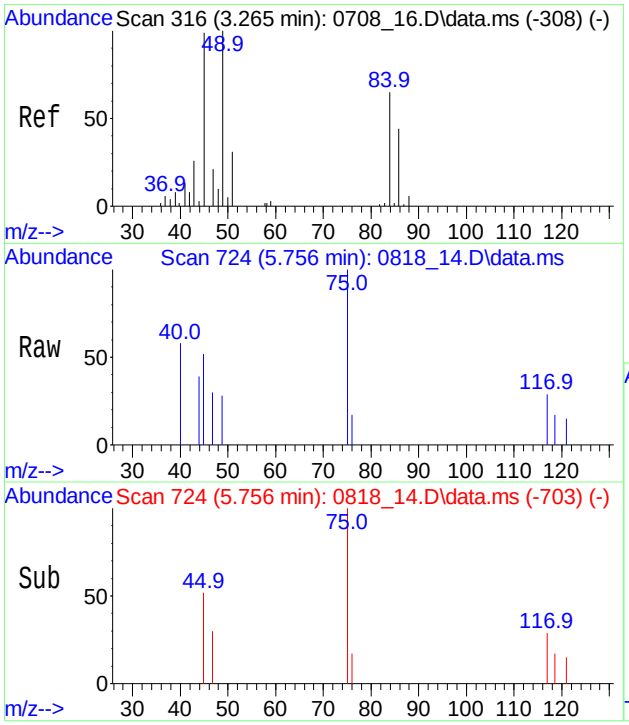


#13
Benzene
Conc: 8$ 0.455 ppbv
RT: 6.409 min Scan# 814
Delta R.T. 0.004 min
Lab File: 0818_14.D
Acq: 18 Aug 2020 11:21 pm

Tgt Ion: 78 Resp: 12351

Ion	Ratio	Lower	Upper
78	100		
77	24.6	12.2	18.4#
51	39.9	31.9	47.9

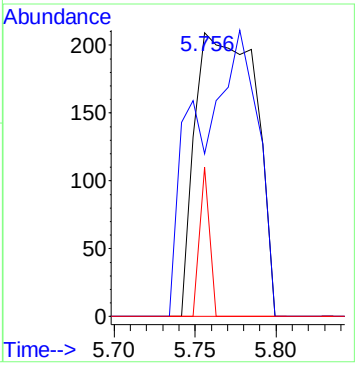


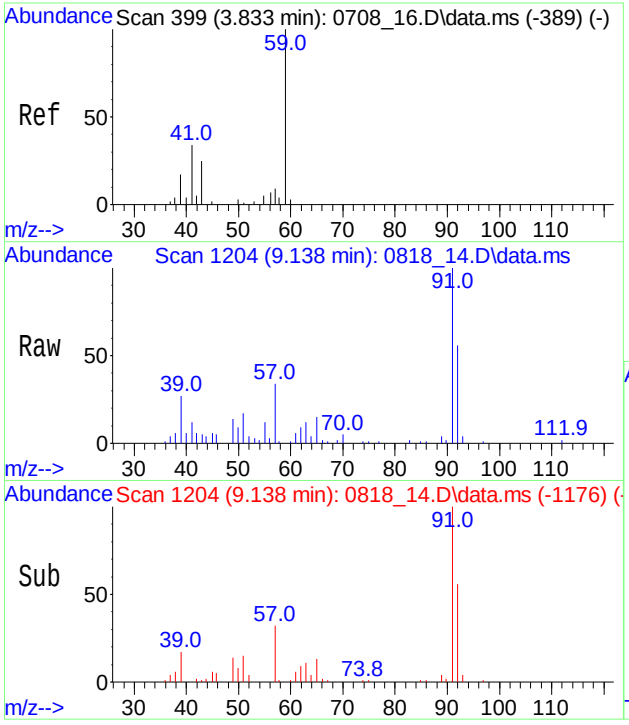


#14
Carbon Tetrachloride
Conc: 8$ Below Cal
RT: 5.756 min Scan# 724
Delta R.T. 0.004 min
Lab File: 0818_14.D
Acq: 18 Aug 2020 11:21 pm

Tgt Ion:117 Resp: 543

Ion	Ratio	Lower	Upper
117	100		
119	33.7	77.7	117.7#
121	8.8	1.8	41.8

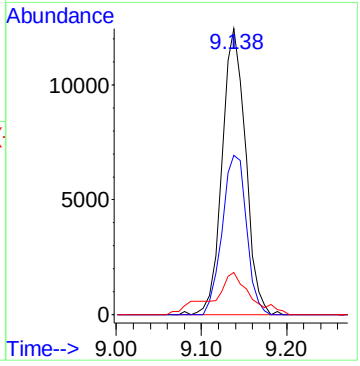


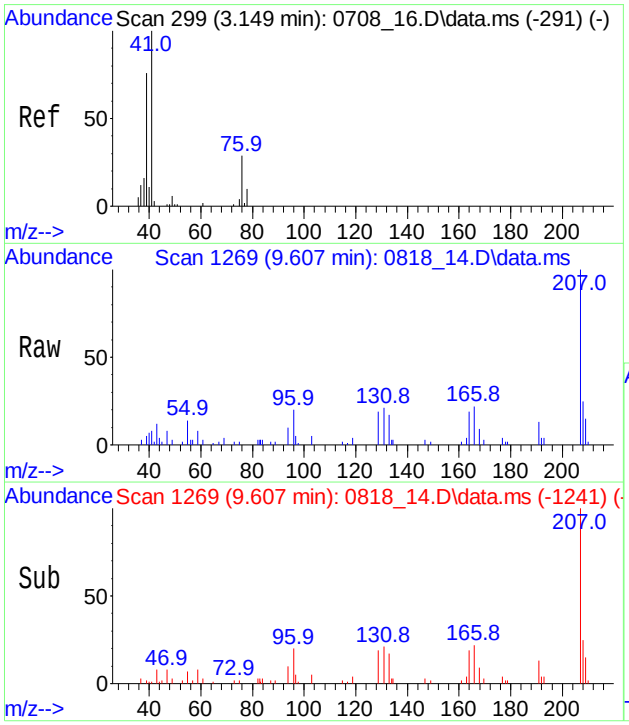


#18
Toluene
Conc: 8$ 0.659 ppbv
RT: 9.138 min Scan# 1204
Delta R.T. 0.004 min
Lab File: 0818_14.D
Acq: 18 Aug 2020 11:21 pm

Tgt Ion: 91 Resp: 23771

Ion	Ratio	Lower	Upper
91	100		
92	57.7	39.4	59.0
65	23.0	10.9	16.3#

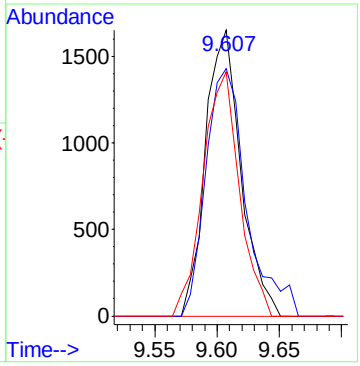


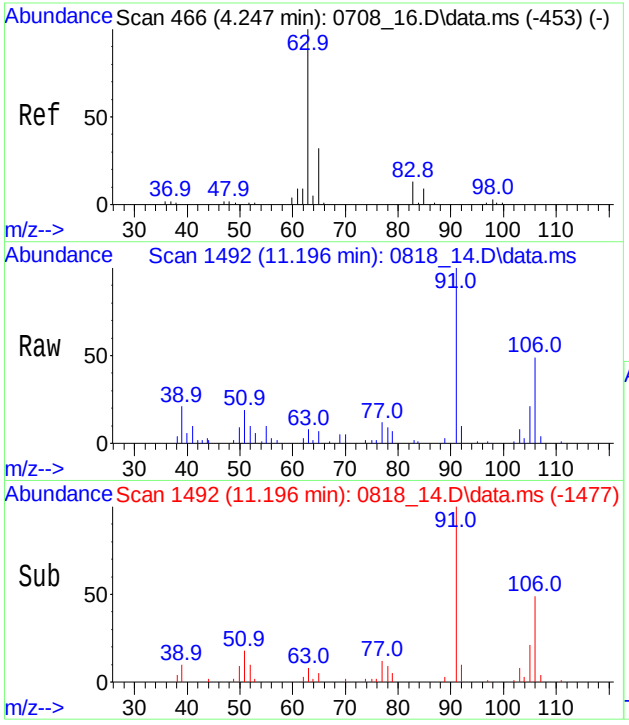


#19
Tetrachloroethene
Conc: 8$ 0.147 ppbv
RT: 9.607 min Scan# 1269
Delta R.T. 0.004 min
Lab File: 0818_14.D
Acq: 18 Aug 2020 11:21 pm

Tgt Ion:166 Resp: 3243

Ion	Ratio	Lower	Upper
166	100		
164	98.8	56.9	85.3#
129	87.4	59.1	88.7

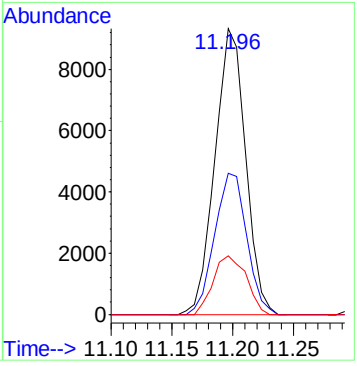


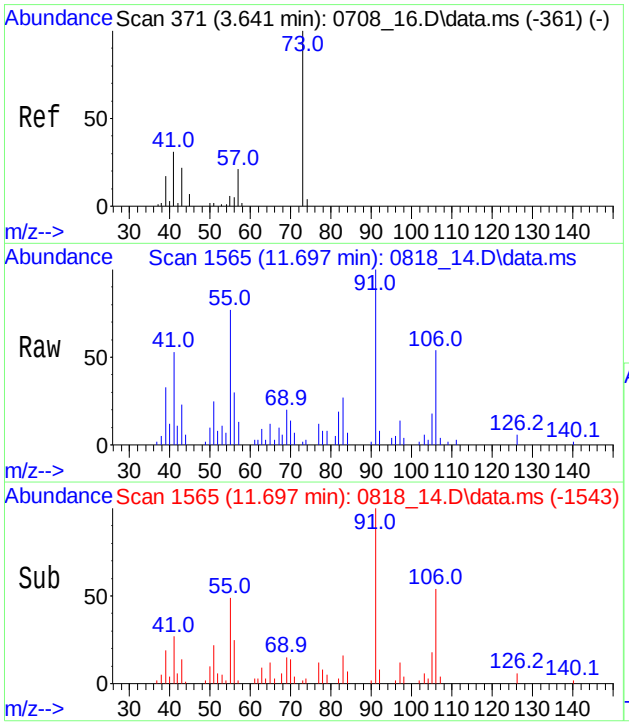


#23
m,p-Xylene
Conc: 8$ 0.438 ppbv
RT: 11.196 min Scan# 1492
Delta R.T. 0.004 min
Lab File: 0818_14.D
Acq: 18 Aug 2020 11:21 pm

Tgt Ion: 91 Resp: 16150

Ion	Ratio	Lower	Upper
91	100		
106	51.8	43.4	65.0
105	22.1	18.3	27.5

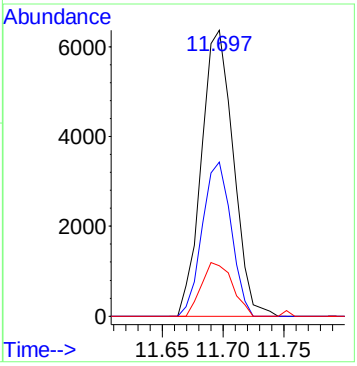


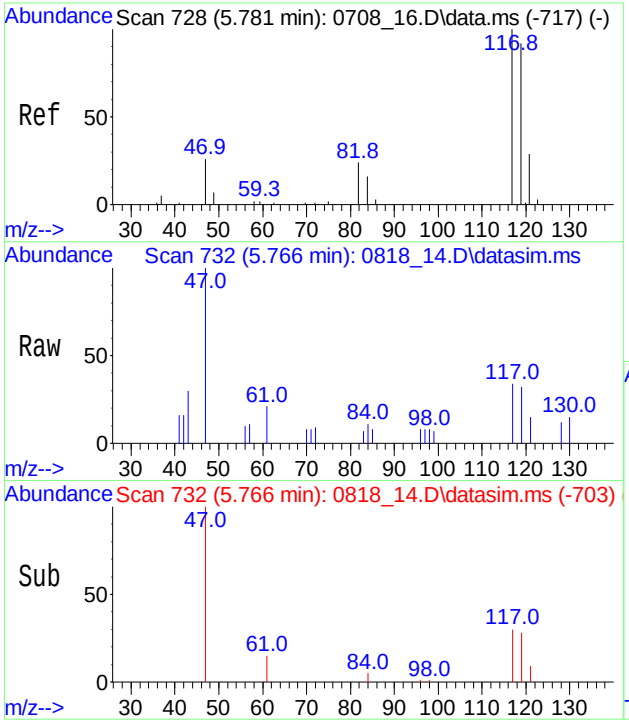


#24
o-Xylene
Conc: 8$ 0.293 ppbv
RT: 11.697 min Scan# 1565
Delta R.T. 0.004 min
Lab File: 0818_14.D
Acq: 18 Aug 2020 11:21 pm

Tgt Ion: 91 Resp: 11473

Ion	Ratio	Lower	Upper
91	100		
106	48.8	36.0	54.0
105	18.1	15.2	22.8

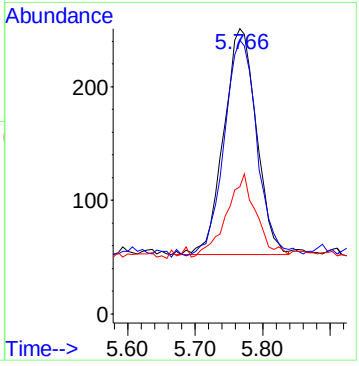


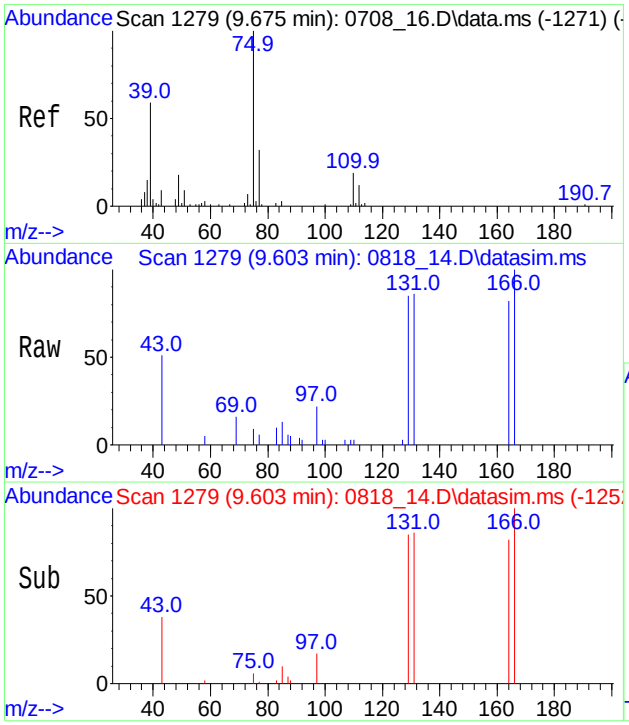


#34
Carbon Tetrachloride(sim)
Conc: 8$ 0.021 ppbv
RT: 5.766 min Scan# 732
Delta R.T. 0.012 min
Lab File: 0818_14.D
Acq: 18 Aug 2020 11:21 pm

Tgt Ion:117 Resp: 669

Ion	Ratio	Lower	Upper
117	100		
119	96.3	78.0	117.0
121	33.6	24.9	37.3

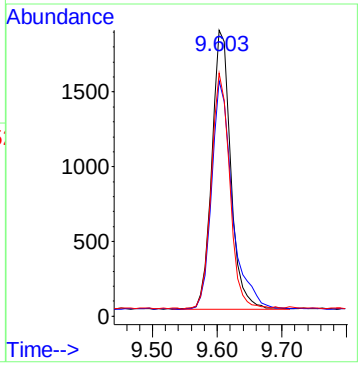


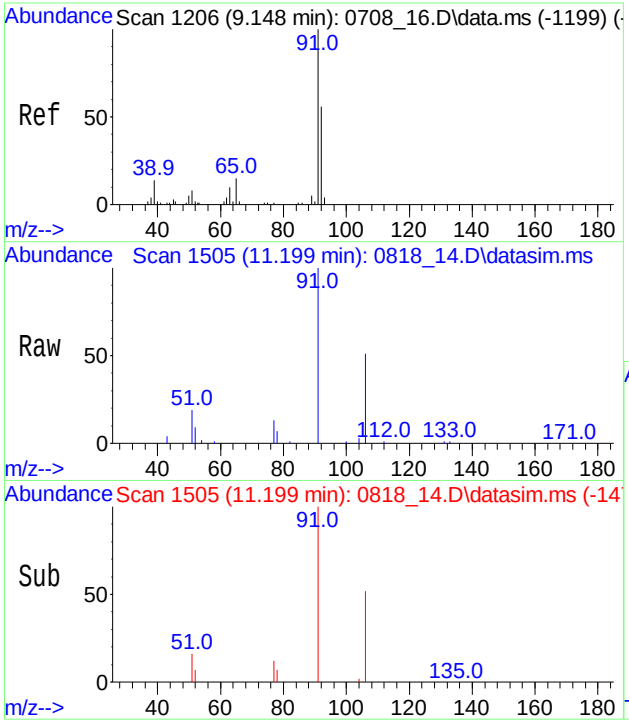


#46
Tetrachloroethene(sim)
Conc: 8$ 0.152 ppbv
RT: 9.603 min Scan# 1279
Delta R.T. -0.003 min
Lab File: 0818_14.D
Acq: 18 Aug 2020 11:21 pm

Tgt Ion:166 Resp: 3780

Ion	Ratio	Lower	Upper
166	100		
164	89.2	64.4	104.4
129	83.1	61.8	101.8

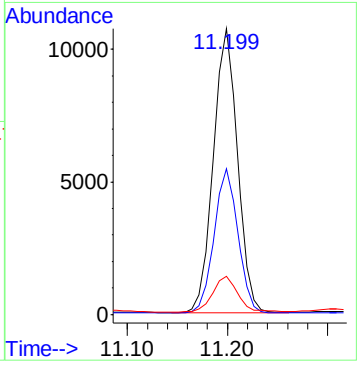




#48
m,p-Xylene(sim)
Conc: 8$ 0.421 ppbv
RT: 11.199 min Scan# 1505
Delta R.T. 0.004 min
Lab File: 0818_14.D
Acq: 18 Aug 2020 11:21 pm

Tgt Ion: 91 Resp: 17946

Ion	Ratio	Lower	Upper
91	100		
106	50.3	47.3	57.8
77	13.4	10.8	16.2



1

CLIENT ID

AIR ANALYSIS DATA SHEET

Client:	WALDENE-IPARK	Lab:	Phoenix Env. Labs	IA-03 (MANUFACTURING-W)	
SDG No.:	GCG56071			Lab Sample ID:	CG56072
Canister:	28571			Lab File ID:	0818_15.D
Instrument:	CHEM24	Column:	RTX-VMS	Date Received:	08/18/20
Purge Volume	200 (cc)			Date Analyzed:	08/19/20
Matrix:	AIR			Dilution Factor:	1

CONCENTRATION UNITS: (ppbv or ug/m3) ppbv

CAS NO.	COMPOUND	CONC.	Q	MDL	PQL	R
75-71-8	Dichlorodifluoromethane	0.757		0.200	0.200	r
67-64-1	Acetone	6.20	S	1.00	1.00	r
75-69-4	Trichlorofluoromethane	5.70		0.150	0.150	r
75-09-2	Methylene Chloride	0.400	U	0.400	0.400	r
76-13-1	Trichlorotrifluoroethane	0.150	U	0.150	0.150	r
71-55-6	1,1,1-Trichloroethane	0.200	U	0.200	0.200	r
71-43-2	Benzene	0.085		0.050	0.050	r
108-88-3	Toluene	0.214		0.200	0.200	r
108-90-7	Chlorobenzene	0.200	U	0.200	0.200	r
100-41-4	Ethylbenzene	0.150	U	0.150	0.150	r
95-47-6	o-Xylene	0.150	U	0.150	0.150	r
541-73-1	1,3-Dichlorobenzene	0.150	U	0.150	0.150	r
95-50-1	1,2-Dichlorobenzene	0.150	U	0.150	0.150	r
120-82-1	1,2,4-Trichlorobenzene	0.250	U	0.250	0.250	r
75-01-4	Vinyl Chloride(sim)	0.020	U	0.020	0.020	r
56-23-5	Carbon Tetrachloride(sim)	0.081		0.020	0.020	r
75-35-4	1,1-Dichloroethene(sim)	0.050	U	0.050	0.050	r
156-59-2	Cis-1,2-Dichloroethene(sim)	0.050	U	0.050	0.050	r
79-01-6	Trichloroethene(sim)	0.037	U	0.037	0.037	r
127-18-4	Tetrachloroethene(sim)	0.100	U	0.100	0.100	r
179601-23-1	m,p-Xylene(sim)	0.150	U	0.150	0.150	r
106-46-7	1,4-Dichlorobenzene(sim)	0.150	U	0.150	0.150	r

FORM I AIR

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

Quantitation Report (QT Reviewed)

Data Path : H:\AIR2020\CHEM24\08AUG\18\
Data File : 0818_15.D
Acq On : 19 Aug 2020 12:01 am
Operator : Keith
Client ID : IA-03 (MANUFACTURING-W)
Lab ID : CG56072
ALS Vial : 140 Sample Multiplier: 1

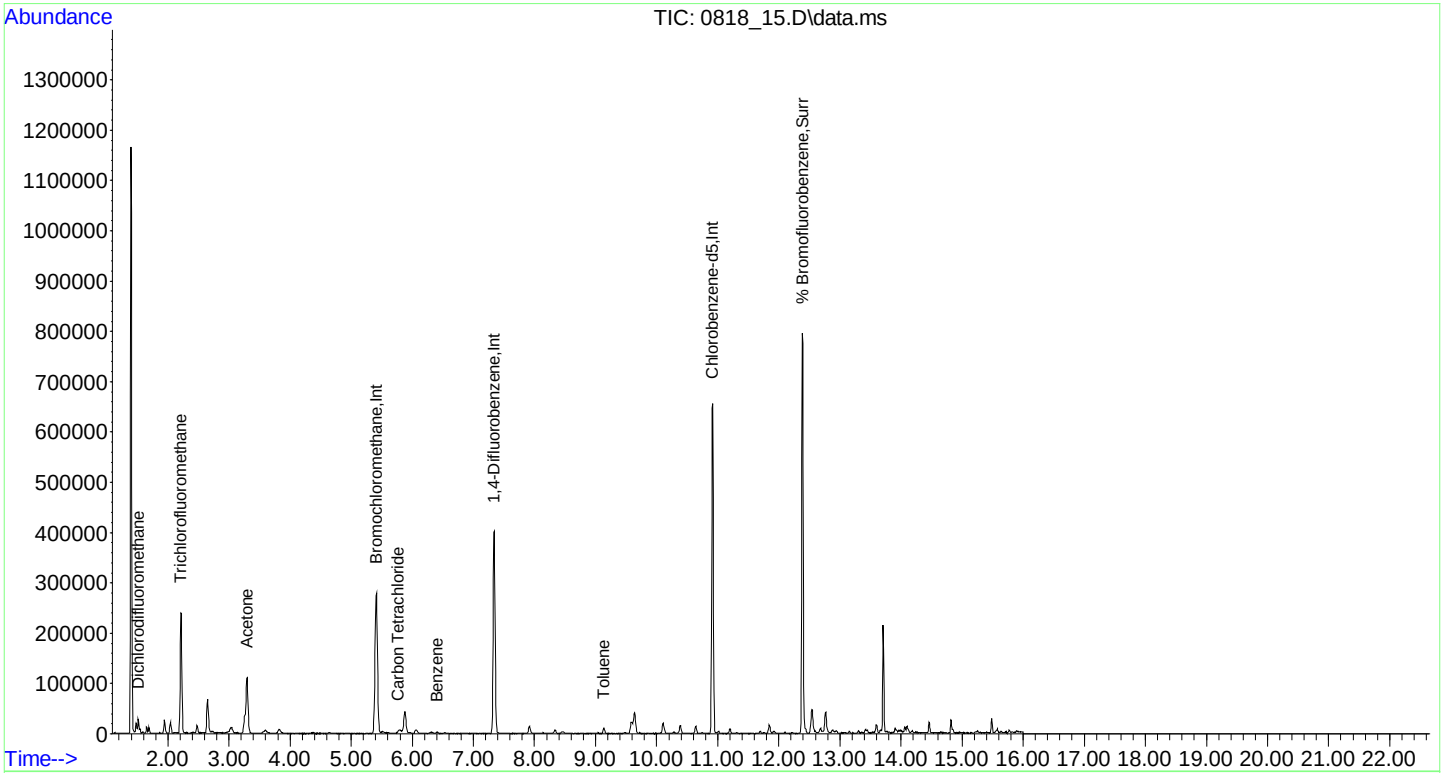
Quant Time: Dec 03 14:29:51 2020
Quant Method : H:\AIR2020\CHEM24\METHODS\24AIR_0810_wal.M
Quant Title : VOA Standards for 5 point calibration
QLast Update : Thu Dec 03 14:24:50 2020
Response via : Initial Calibration

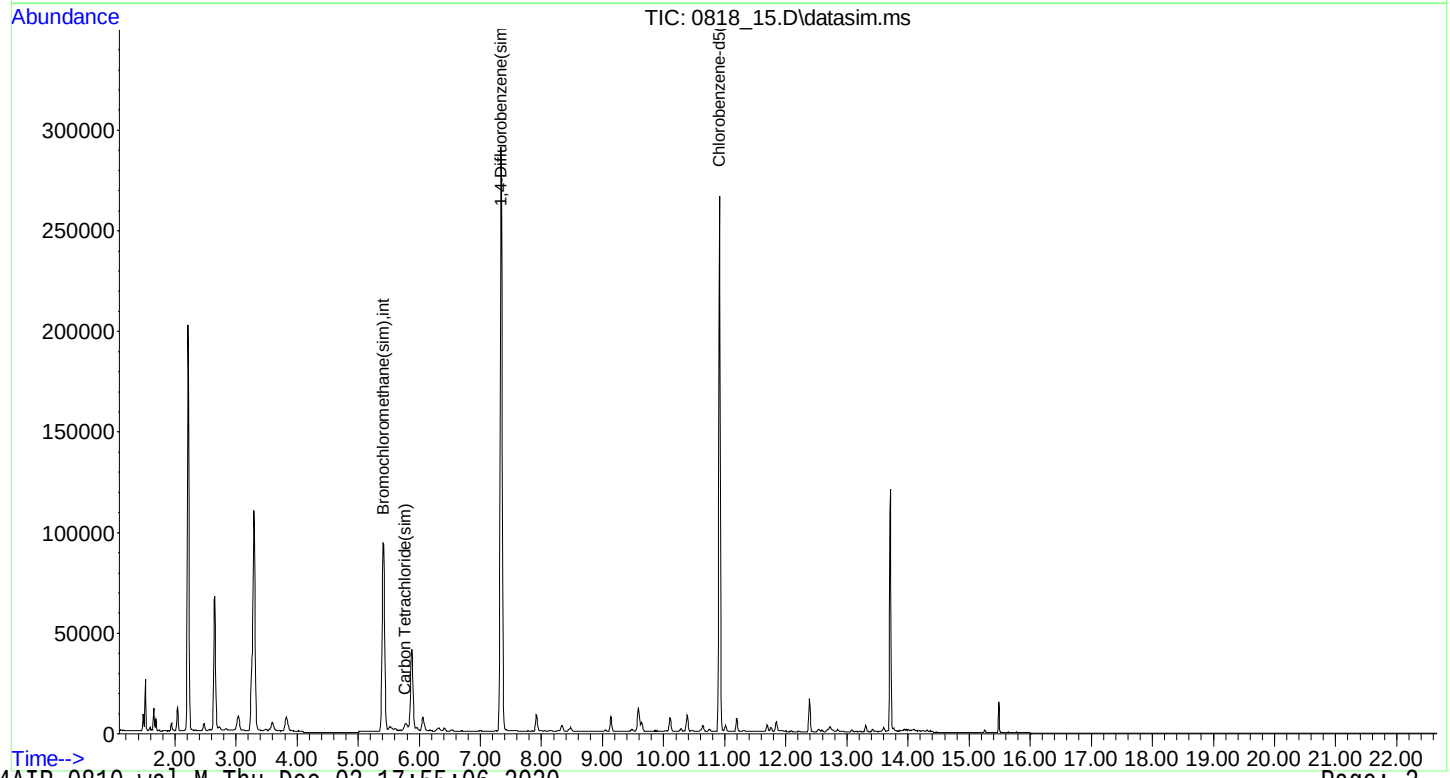
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Bromochloromethane	5.413	130	122378	10.000	ng		0.00
15) 1,4-Difluorobenzene	7.336	114	373097	10.000	ng		0.00
20) Chlorobenzene-d5	10.911	82	163127	10.000	ng		0.00
30) Bromochloromethane(sim)	5.416	130	130330	10.000	ng	#	0.00
41) 1,4-Difluorobenzene(sim)	7.336	114	373097	10.000	ng		0.00
47) Chlorobenzene-d5(sim)	10.911	82	163127	10.000	ng		0.00
System Monitoring Compounds							
25) % Bromofluorobenzene	12.385	95	252493	10.068	ppbv		0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 100.70%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.512	85	15061	0.757	ppbv		97
4) Acetone	3.299	43	170481	6.200	ppbv#		90
5) Trichlorofluoromethane	2.211	101	169244	5.703	ppbv		98
13) Benzene	6.411	78	2284	0.085	ppbv#		92
14) Carbon Tetrachloride	5.766	117	2415	0.084	ppbv		92
18) Toluene	9.134	91	7480	0.214	ppbv		90
34] Carbon Tetrachloride(sim)	5.769	117	2492	0.081	ppbv		99

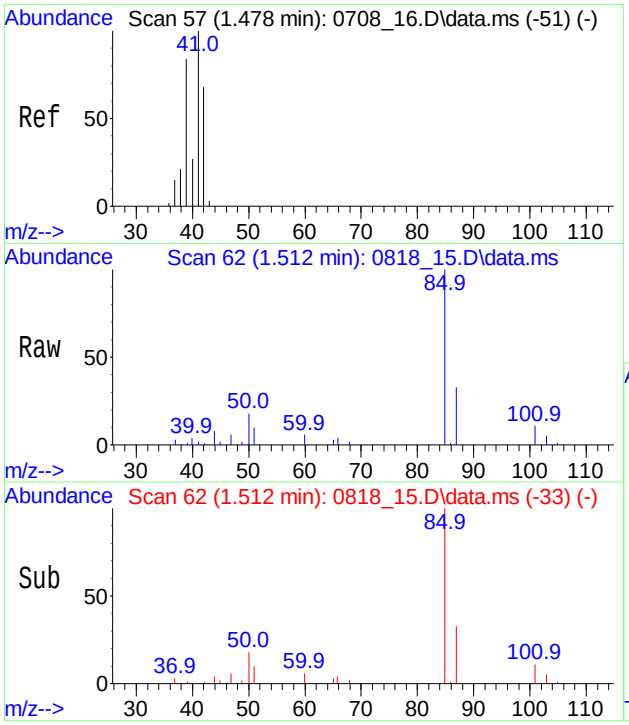
(#)out of range (m)manual integration reviewed by analyst (+)signals summed

Data Path : H:\AIR2020\CHEM24\08AUG\18\
Data File : 0818_15.D
Acq On : 19 Aug 2020 12:01 am
Operator : Keith
Client ID : IA-03 (MANUFACTURING-W)
Lab ID : CG56072
ALS Vial : 140 Sample Multiplier: 1

Quant Time: Dec 03 14:29:51 2020
Quant Method : H:\AIR2020\CHEM24\METHODS\24AIR_0810_wal.M
Quant Title : VOA Standards for 5 point calibration
QLast Update : Thu Dec 03 14:24:50 2020
Response via : Initial Calibration



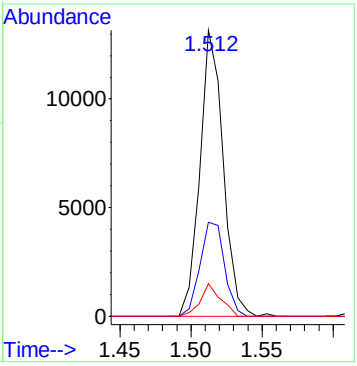


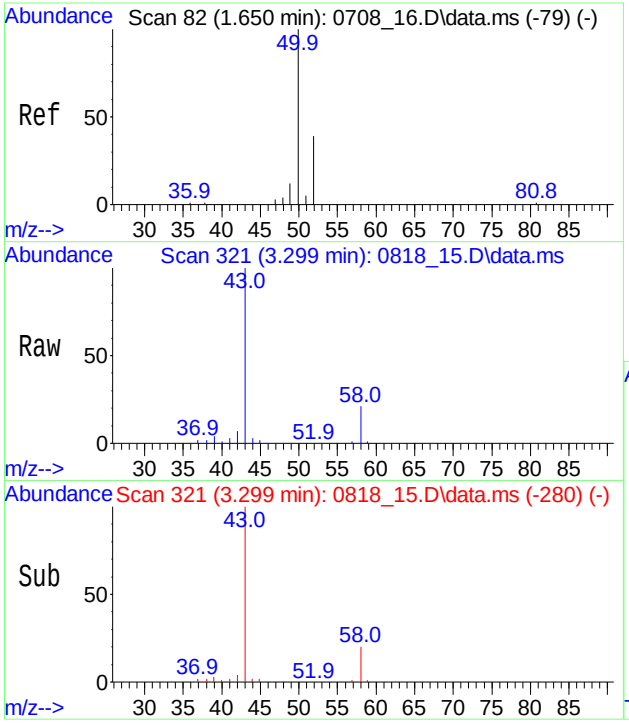


#2
Dichlorodifluoromethane
Conc: 8$ 0.757 ppbv
RT: 1.512 min Scan# 62
Delta R.T. -0.000 min
Lab File: 0818_15.D
Acq: 19 Aug 2020 12:01 am

Tgt Ion: 85 Resp: 15061

Ion	Ratio	Lower	Upper
85	100		
87	34.6	25.8	38.8
101	9.9	8.5	12.7

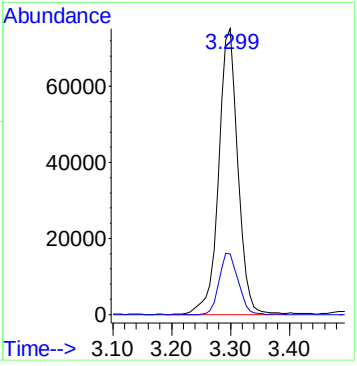


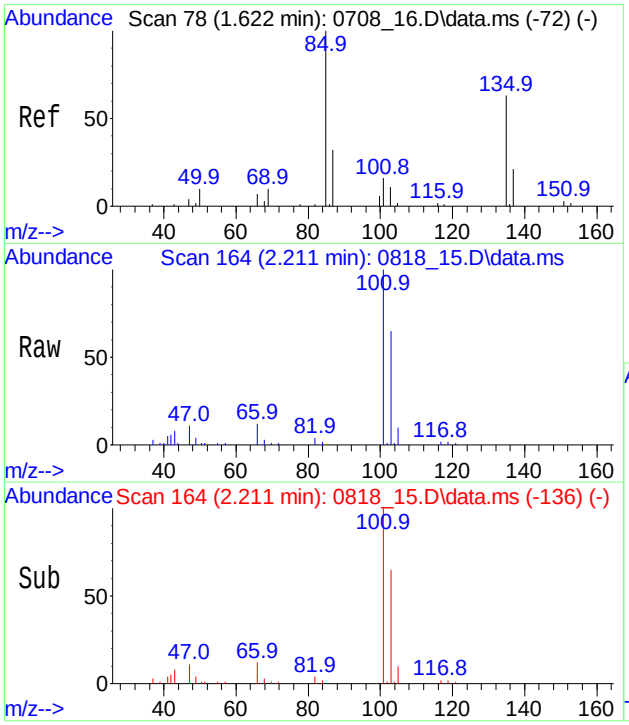


#4
Acetone
Conc: 8$ 6.200 ppbv
RT: 3.299 min Scan# 321
Delta R.T. -0.021 min
Lab File: 0818_15.D
Acq: 19 Aug 2020 12:01 am

Tgt Ion: 43 Resp: 170481

Ion	Ratio	Lower	Upper
43	100		
58	21.1	13.4	20.2#

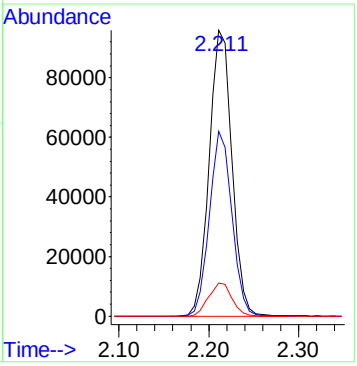


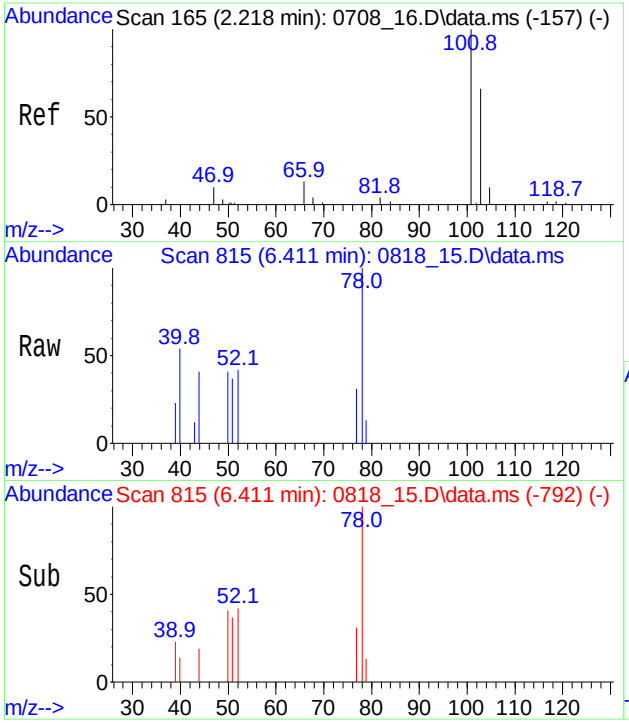


#5
Trichlorofluoromethane
Conc: 8$ 5.703 ppbv
RT: 2.211 min Scan# 164
Delta R.T. -0.007 min
Lab File: 0818_15.D
Acq: 19 Aug 2020 12:01 am

Tgt Ion:101 Resp: 169244

Ion	Ratio	Lower	Upper
101	100		
103	63.9	52.4	78.6
66	11.9	9.2	13.8

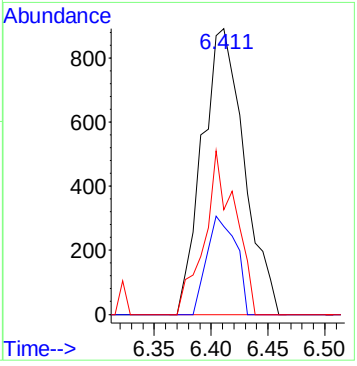


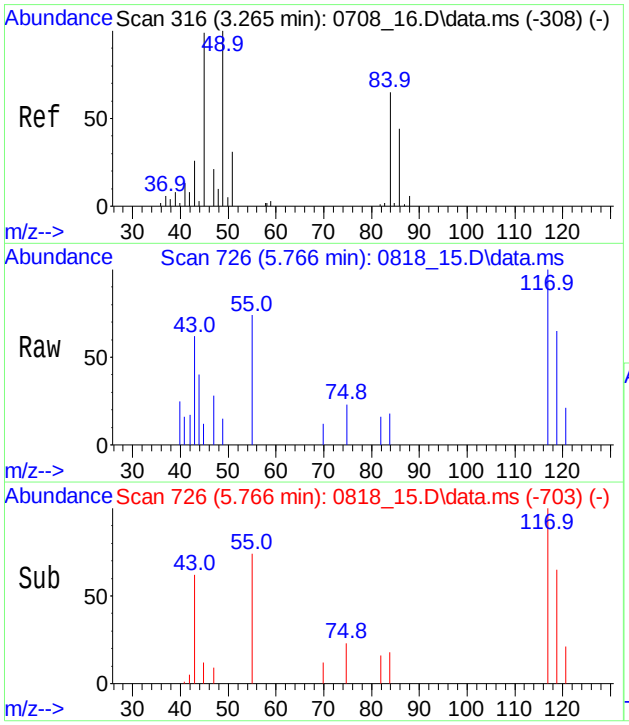


#13
Benzene
Conc: 8$ 0.085 ppbv
RT: 6.411 min Scan# 815
Delta R.T. 0.007 min
Lab File: 0818_15.D
Acq: 19 Aug 2020 12:01 am

Tgt Ion: 78 Resp: 2284

Ion	Ratio	Lower	Upper
78	100		
77	23.9	12.2	18.4#
51	42.0	31.9	47.9

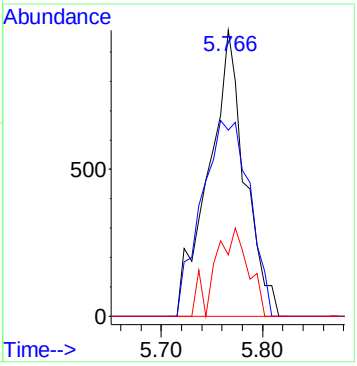


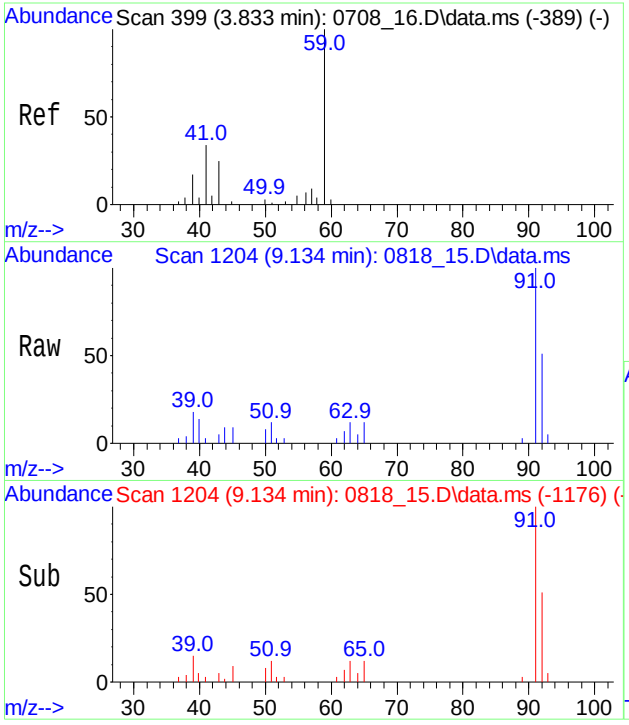


#14
Carbon Tetrachloride
Conc: 8$ Below Cal
RT: 5.766 min Scan# 726
Delta R.T. 0.014 min
Lab File: 0818_15.D
Acq: 19 Aug 2020 12:01 am

Tgt Ion:117 Resp: 2415

Ion	Ratio	Lower	Upper
117	100		
119	90.6	77.7	117.7
121	28.6	1.8	41.8

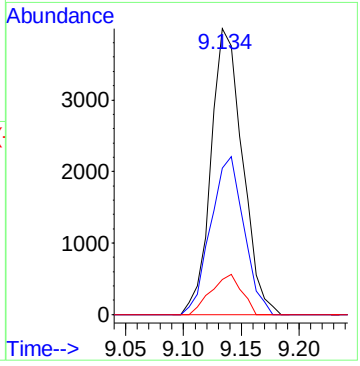


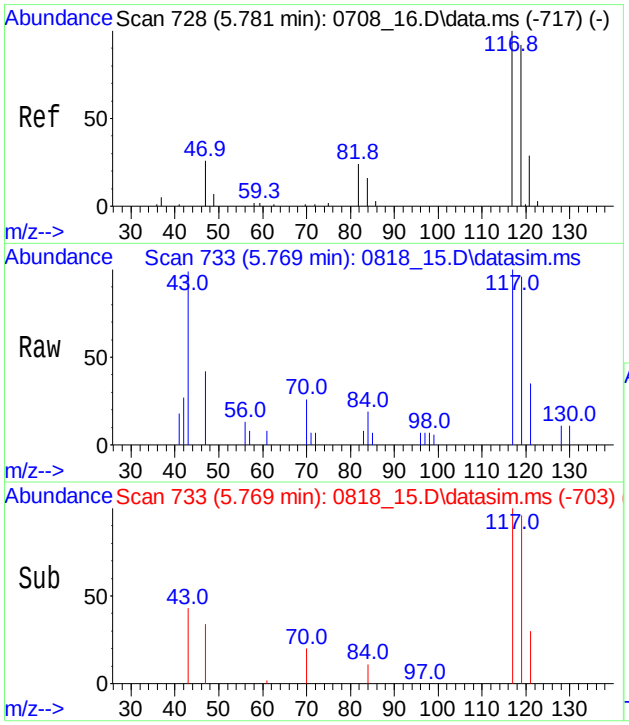


#18
Toluene
Conc: 8$ 0.214 ppbv
RT: 9.134 min Scan# 1204
Delta R.T. -0.000 min
Lab File: 0818_15.D
Acq: 19 Aug 2020 12:01 am

Tgt Ion: 91 Resp: 7480

Ion	Ratio	Lower	Upper
91	100		
92	58.1	39.4	59.0
65	13.6	10.9	16.3

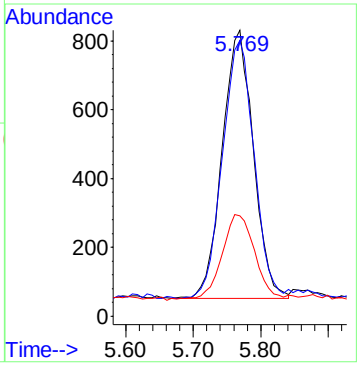




#34
Carbon Tetrachloride(sim)
Conc: 8$ 0.081 ppbv
RT: 5.769 min Scan# 733
Delta R.T. 0.014 min
Lab File: 0818_15.D
Acq: 19 Aug 2020 12:01 am

Tgt Ion:117 Resp: 2492

Ion	Ratio	Lower	Upper
117	100		
119	97.8	78.0	117.0
121	33.1	24.9	37.3



1

AIR ANALYSIS DATA SHEET

CLIENT ID: IA-08 (BASEMENT-N)

Client: WALDENE-IPARK Lab: Phoenix Env. Labs

SDG No.: GCG56071 Lab Sample ID: CG56073

Canister: 19426 Lab File ID: 0818_16.D

Instrument: CHEM24 Column: RTX-VMS Date Received: 08/18/20

Purge Volume 200 (cc) Date Analyzed: 08/19/20

Matrix: AIR Dilution Factor: 1

CONCENTRATION UNITS: (ppbv or ug/m3) ppbv

CAS NO.	COMPOUND	CONC.	Q	MDL	PQL	R
75-71-8	Dichlorodifluoromethane	0.806		0.200	0.200	r
67-64-1	Acetone	5.98	S	1.00	1.00	r
75-69-4	Trichlorofluoromethane	5.66		0.150	0.150	r
75-09-2	Methylene Chloride	0.434	S	0.400	0.400	r
76-13-1	Trichlorotrifluoroethane	0.150	U	0.150	0.150	r
71-55-6	1,1,1-Trichloroethane	0.200	U	0.200	0.200	r
71-43-2	Benzene	0.090		0.050	0.050	r
108-88-3	Toluene	0.248		0.200	0.200	r
108-90-7	Chlorobenzene	0.200	U	0.200	0.200	r
100-41-4	Ethylbenzene	0.150	U	0.150	0.150	r
95-47-6	o-Xylene	0.150	U	0.150	0.150	r
541-73-1	1,3-Dichlorobenzene	0.150	U	0.150	0.150	r
95-50-1	1,2-Dichlorobenzene	0.150	U	0.150	0.150	r
120-82-1	1,2,4-Trichlorobenzene	0.250	U	0.250	0.250	r
75-01-4	Vinyl Chloride(sim)	0.020	U	0.020	0.020	r
56-23-5	Carbon Tetrachloride(sim)	0.080		0.020	0.020	r
75-35-4	1,1-Dichloroethene(sim)	0.050	U	0.050	0.050	r
156-59-2	Cis-1,2-Dichloroethene(sim)	0.050	U	0.050	0.050	r
79-01-6	Trichloroethene(sim)	0.037	U	0.037	0.037	r
127-18-4	Tetrachloroethene(sim)	0.100	U	0.100	0.100	r
179601-23-1	m,p-Xylene(sim)	0.150	U	0.150	0.150	r
106-46-7	1,4-Dichlorobenzene(sim)	0.150	U	0.150	0.150	r

FORM I AIR

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

Quantitation Report (QT Reviewed)

Data Path : H:\AIR2020\CHEM24\08AUG\18\
Data File : 0818_16.D
Acq On : 19 Aug 2020 12:42 am
Operator : Keith
Client ID : IA-08 (BASEMENT-N)
Lab ID : CG56073
ALS Vial : 141 Sample Multiplier: 1

Quant Time: Dec 03 14:30:01 2020
Quant Method : H:\AIR2020\CHEM24\METHODS\24AIR_0810_wal.M
Quant Title : VOA Standards for 5 point calibration
QLast Update : Thu Dec 03 14:24:50 2020
Response via : Initial Calibration

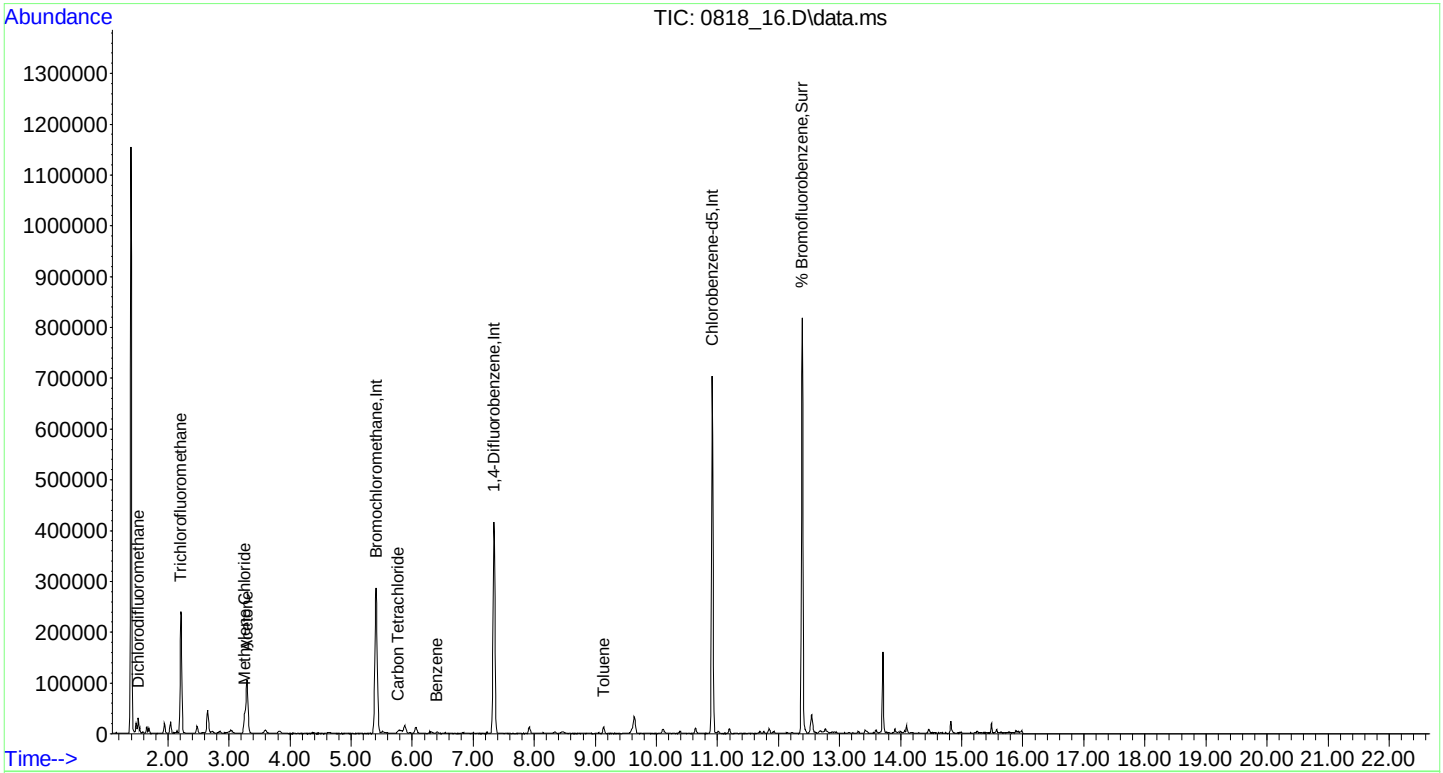
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Bromochloromethane	5.410	130	121579	10.000	ng		0.00
15) 1,4-Difluorobenzene	7.340	114	380294	10.000	ng		0.00
20) Chlorobenzene-d5	10.915	82	167967	10.000	ng		0.00
30) Bromochloromethane(sim)	5.413	130	132878	10.000	ng	#	0.00
41) 1,4-Difluorobenzene(sim)	7.340	114	380294	10.000	ng		0.00
47) Chlorobenzene-d5(sim)	10.915	82	167967	10.000	ng		0.00
System Monitoring Compounds							
25) % Bromofluorobenzene	12.389	95	254874	9.870	ppbv		0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 98.70%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.512	85	15938	0.806	ppbv		98
4) Acetone	3.299	43	163351	5.980	ppbv#		92
5) Trichlorofluoromethane	2.211	101	166952	5.663	ppbv		98
7) Methylene Chloride	3.251	49	9468	0.434	ppbv		93
13) Benzene	6.402	78	2384	0.090	ppbv#		92
14) Carbon Tetrachloride	5.770	117	2238	0.078	ppbv		88
18) Toluene	9.138	91	8809	0.247	ppbv		96
34] Carbon Tetrachloride(sim)	5.766	117	2513	0.080	ppbv		98

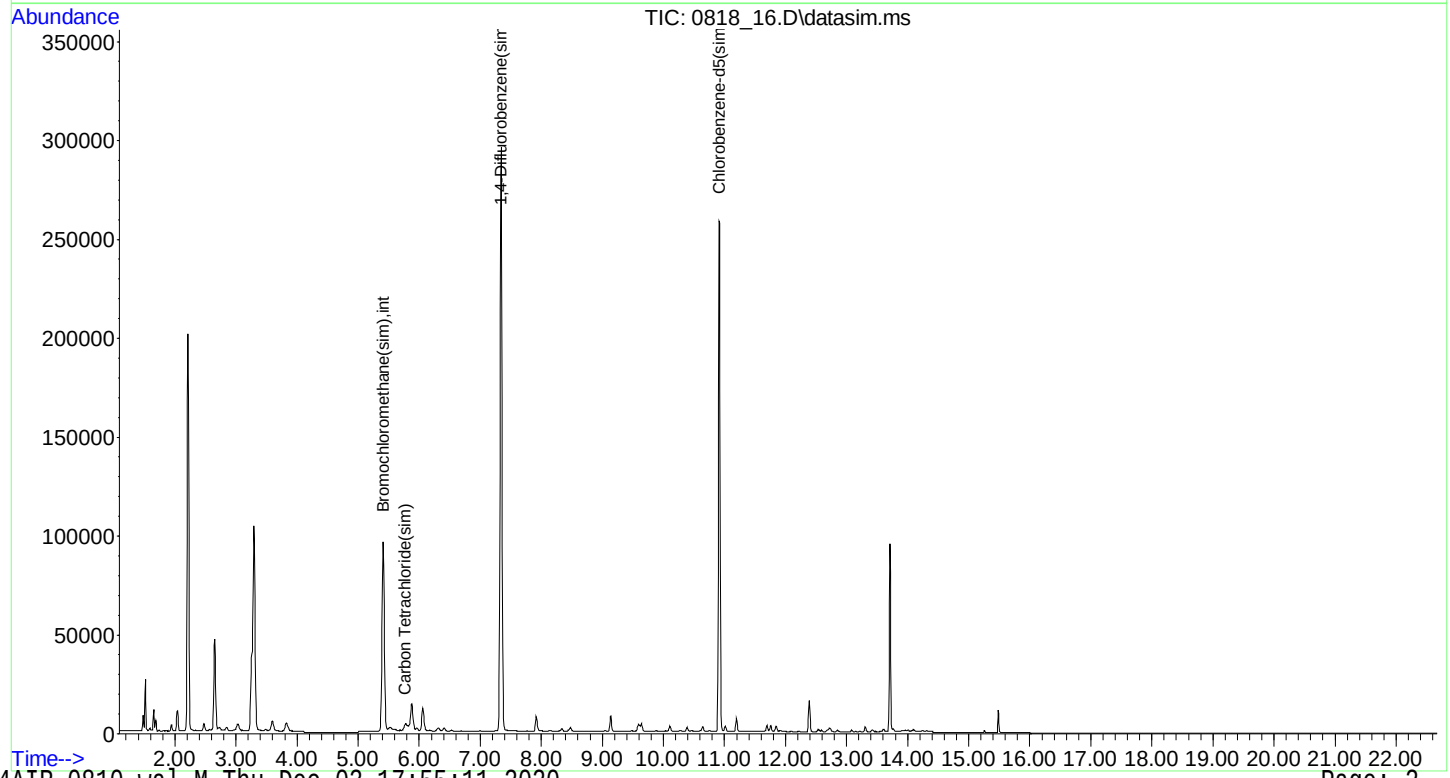
(#)out of range (m)manual integration reviewed by analyst (+)signals summed

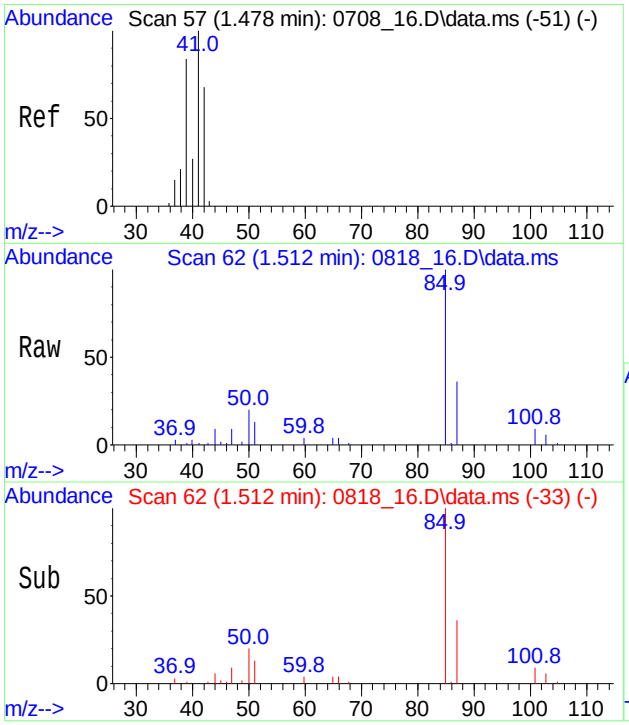
Quantitation Report (QT Reviewed)

Data Path : H:\AIR2020\CHEM24\08AUG\18\
Data File : 0818_16.D
Acq On : 19 Aug 2020 12:42 am
Operator : Keith
Client ID : IA-08 (BASEMENT-N)
Lab ID : CG56073
ALS Vial : 141 Sample Multiplier: 1

Quant Time: Dec 03 14:30:01 2020
Quant Method : H:\AIR2020\CHEM24\METHODS\24AIR_0810_wal.M
Quant Title : VOA Standards for 5 point calibration
QLast Update : Thu Dec 03 14:24:50 2020
Response via : Initial Calibration



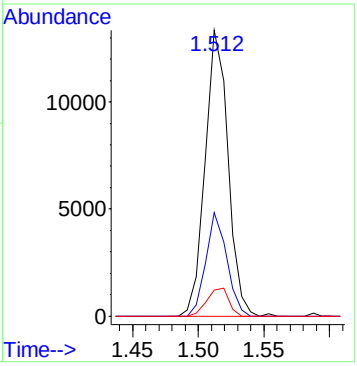


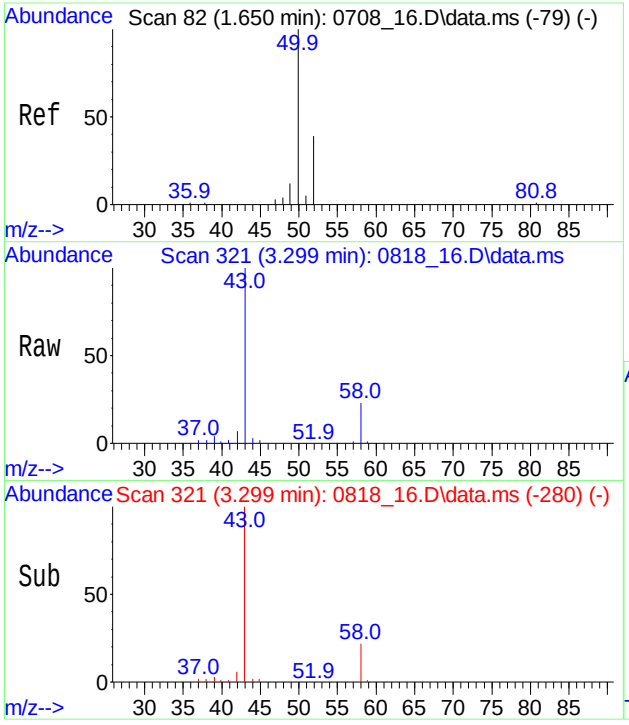


#2
Dichlorodifluoromethane
Conc: 8$ 0.806 ppbv
RT: 1.512 min Scan# 62
Delta R.T. 0.000 min
Lab File: 0818_16.D
Acq: 19 Aug 2020 12:42 am

Tgt Ion: 85 Resp: 15938

Ion	Ratio	Lower	Upper
85	100		
87	33.0	25.8	38.8
101	9.2	8.5	12.7

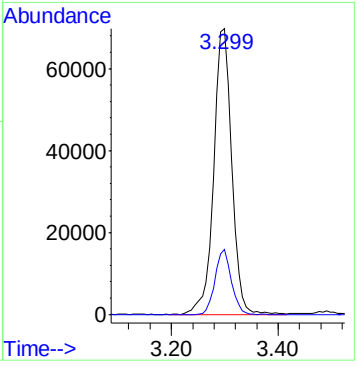


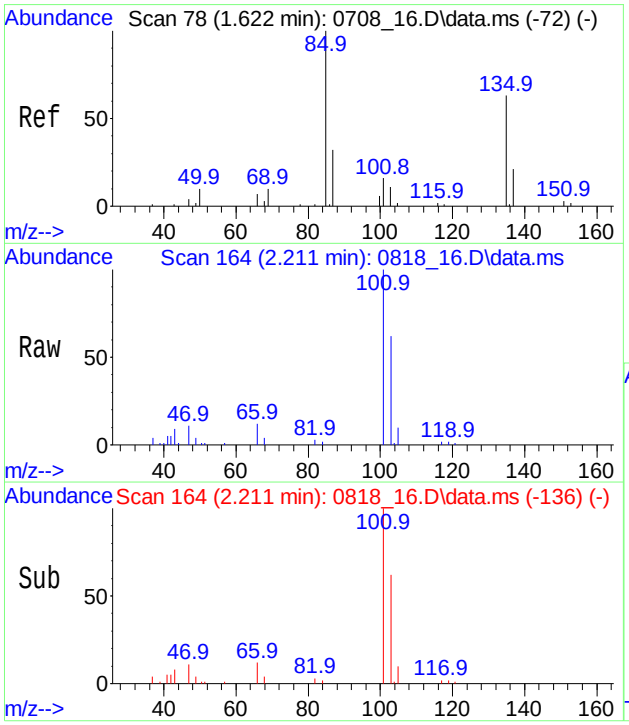


#4
Acetone
Conc: 8$ 5.980 ppbv
RT: 3.299 min Scan# 321
Delta R.T. -0.021 min
Lab File: 0818_16.D
Acq: 19 Aug 2020 12:42 am

Tgt Ion: 43 Resp: 163351

Ion	Ratio	Lower	Upper
43	100		
58	20.4	13.4	20.2#

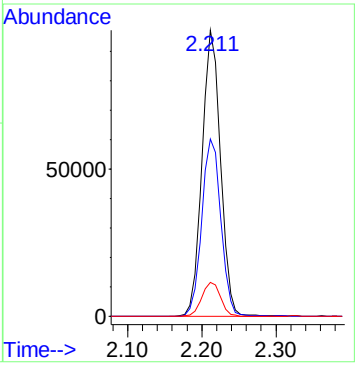


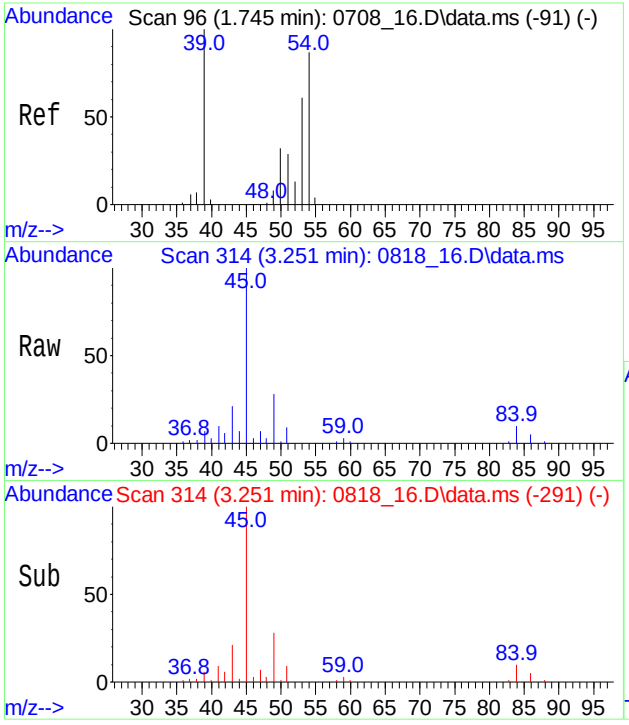


#5
Trichlorofluoromethane
Conc: 8$ 5.663 ppbv
RT: 2.211 min Scan# 164
Delta R.T. -0.007 min
Lab File: 0818_16.D
Acq: 19 Aug 2020 12:42 am

Tgt Ion:101 Resp: 166952

Ion	Ratio	Lower	Upper
101	100		
103	63.9	52.4	78.6
66	11.9	9.2	13.8

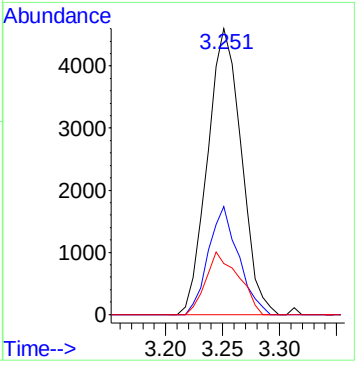


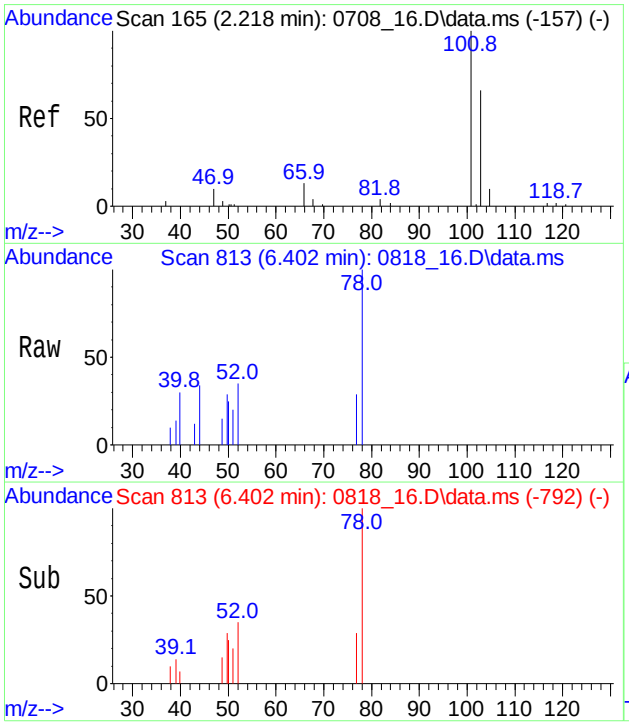


#7
Methylene Chloride
Conc: 8$ 0.434 ppbv
RT: 3.251 min Scan# 314
Delta R.T. 0.007 min
Lab File: 0818_16.D
Acq: 19 Aug 2020 12:42 am

Tgt Ion: 49 Resp: 9468

Ion	Ratio	Lower	Upper
49	100		
84	33.7	30.6	46.0
86	21.1	19.8	29.6

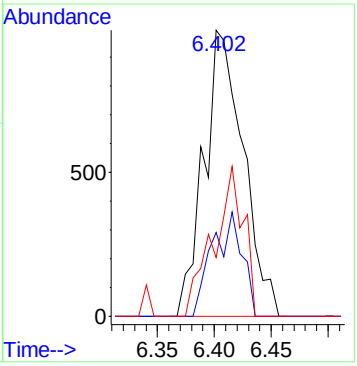


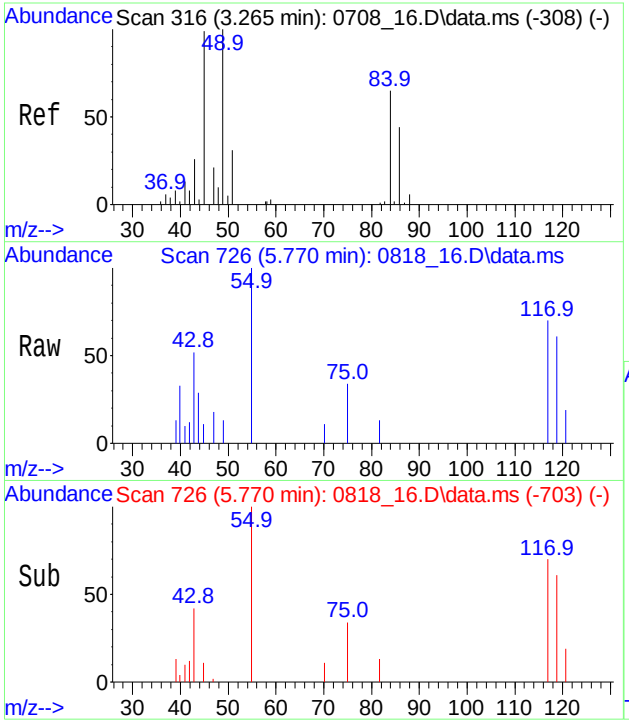


#13
Benzene
Conc: 8$ 0.090 ppbv
RT: 6.402 min Scan# 813
Delta R.T. -0.003 min
Lab File: 0818_16.D
Acq: 19 Aug 2020 12:42 am

Tgt Ion: 78 Resp: 2384

Ion	Ratio	Lower	Upper
78	100		
77	27.5	12.2	18.4#
51	39.8	31.9	47.9

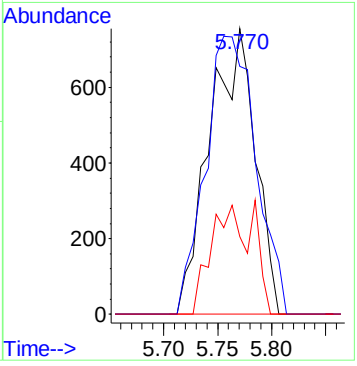


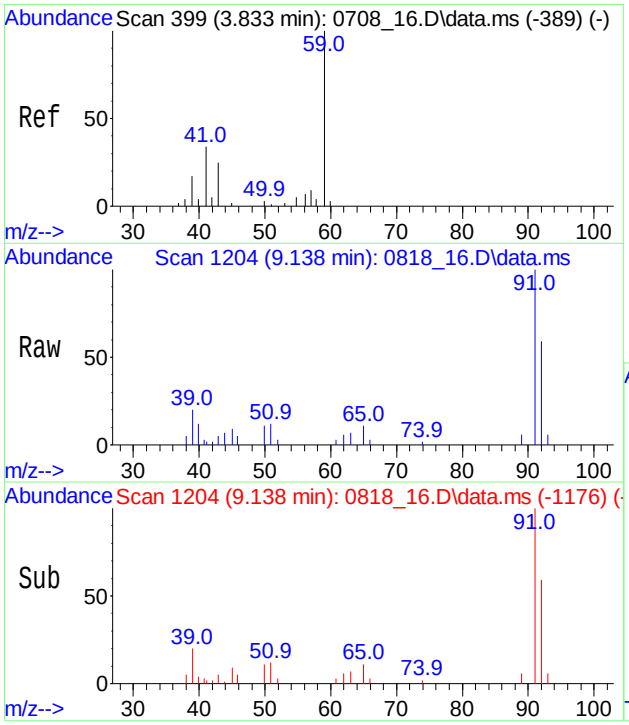


#14
Carbon Tetrachloride
Conc: 8$ Below Cal
RT: 5.770 min Scan# 726
Delta R.T. 0.019 min
Lab File: 0818_16.D
Acq: 19 Aug 2020 12:42 am

Tgt Ion:117 Resp: 2238

Ion	Ratio	Lower	Upper
117	100		
119	106.6	77.7	117.7
121	34.9	1.8	41.8

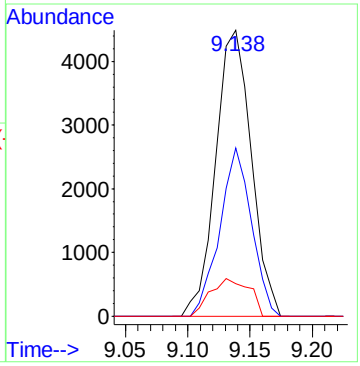


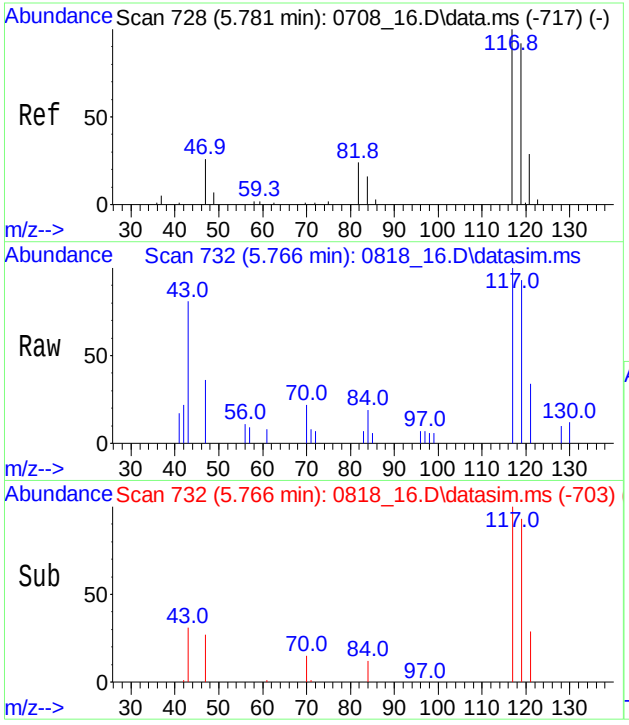


#18
Toluene
Conc: 8$ 0.247 ppbv
RT: 9.138 min Scan# 1204
Delta R.T. 0.004 min
Lab File: 0818_16.D
Acq: 19 Aug 2020 12:42 am

Tgt Ion: 91 Resp: 8809

Ion	Ratio	Lower	Upper
91	100		
92	52.5	39.4	59.0
65	14.4	10.9	16.3

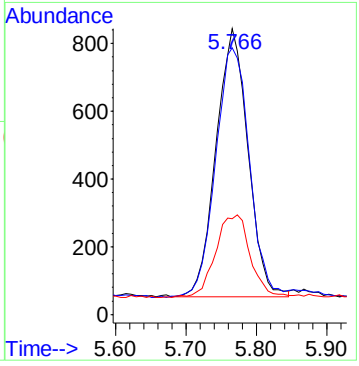




#34
Carbon Tetrachloride(sim)
Conc: 8$ 0.080 ppbv
RT: 5.766 min Scan# 732
Delta R.T. 0.012 min
Lab File: 0818_16.D
Acq: 19 Aug 2020 12:42 am

Tgt Ion:117 Resp: 2513

Ion	Ratio	Lower	Upper
117	100		
119	98.8	78.0	117.0
121	33.5	24.9	37.3



1

AIR ANALYSIS DATA SHEET

CLIENT ID: IA-07 (BASEMENT-S)

Client: WALDENE-IPARK Lab: Phoenix Env. Labs

SDG No.: GCG56071 Lab Sample ID: CG56074

Canister: 215 Lab File ID: 0818_17.D

Instrument: CHEM24 Column: RTX-VMS Date Received: 08/18/20

Purge Volume 200 (cc) Date Analyzed: 08/19/20

Matrix: AIR Dilution Factor: 1

CONCENTRATION UNITS: (ppbv or ug/m3) ppbv

CAS NO.	COMPOUND	CONC.	Q	MDL	PQL	R
75-71-8	Dichlorodifluoromethane	0.765		0.200	0.200	r
67-64-1	Acetone	5.05	S	1.00	1.00	r
75-69-4	Trichlorofluoromethane	5.50		0.150	0.150	r
75-09-2	Methylene Chloride	0.400	U	0.400	0.400	r
76-13-1	Trichlorotrifluoroethane	0.150	U	0.150	0.150	r
71-55-6	1,1,1-Trichloroethane	0.200	U	0.200	0.200	r
71-43-2	Benzene	0.081		0.050	0.050	r
108-88-3	Toluene	0.243		0.200	0.200	r
108-90-7	Chlorobenzene	0.200	U	0.200	0.200	r
100-41-4	Ethylbenzene	0.150	U	0.150	0.150	r
95-47-6	o-Xylene	0.150	U	0.150	0.150	r
541-73-1	1,3-Dichlorobenzene	0.150	U	0.150	0.150	r
95-50-1	1,2-Dichlorobenzene	0.150	U	0.150	0.150	r
120-82-1	1,2,4-Trichlorobenzene	0.250	U	0.250	0.250	r
75-01-4	Vinyl Chloride(sim)	0.020	U	0.020	0.020	r
56-23-5	Carbon Tetrachloride(sim)	0.086		0.020	0.020	r
75-35-4	1,1-Dichloroethene(sim)	0.050	U	0.050	0.050	r
156-59-2	Cis-1,2-Dichloroethene(sim)	0.050	U	0.050	0.050	r
79-01-6	Trichloroethene(sim)	0.037	U	0.037	0.037	r
127-18-4	Tetrachloroethene(sim)	0.100	U	0.100	0.100	r
179601-23-1	m,p-Xylene(sim)	0.169		0.150	0.150	r
106-46-7	1,4-Dichlorobenzene(sim)	0.150	U	0.150	0.150	r

FORM I AIR

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

Quantitation Report (QT Reviewed)

Data Path : H:\AIR2020\CHEM24\08AUG\18\
Data File : 0818_17.D
Acq On : 19 Aug 2020 1:23 am
Operator : Keith
Client ID : IA-07 (BASEMENT-S)
Lab ID : CG56074
ALS Vial : 142 Sample Multiplier: 1

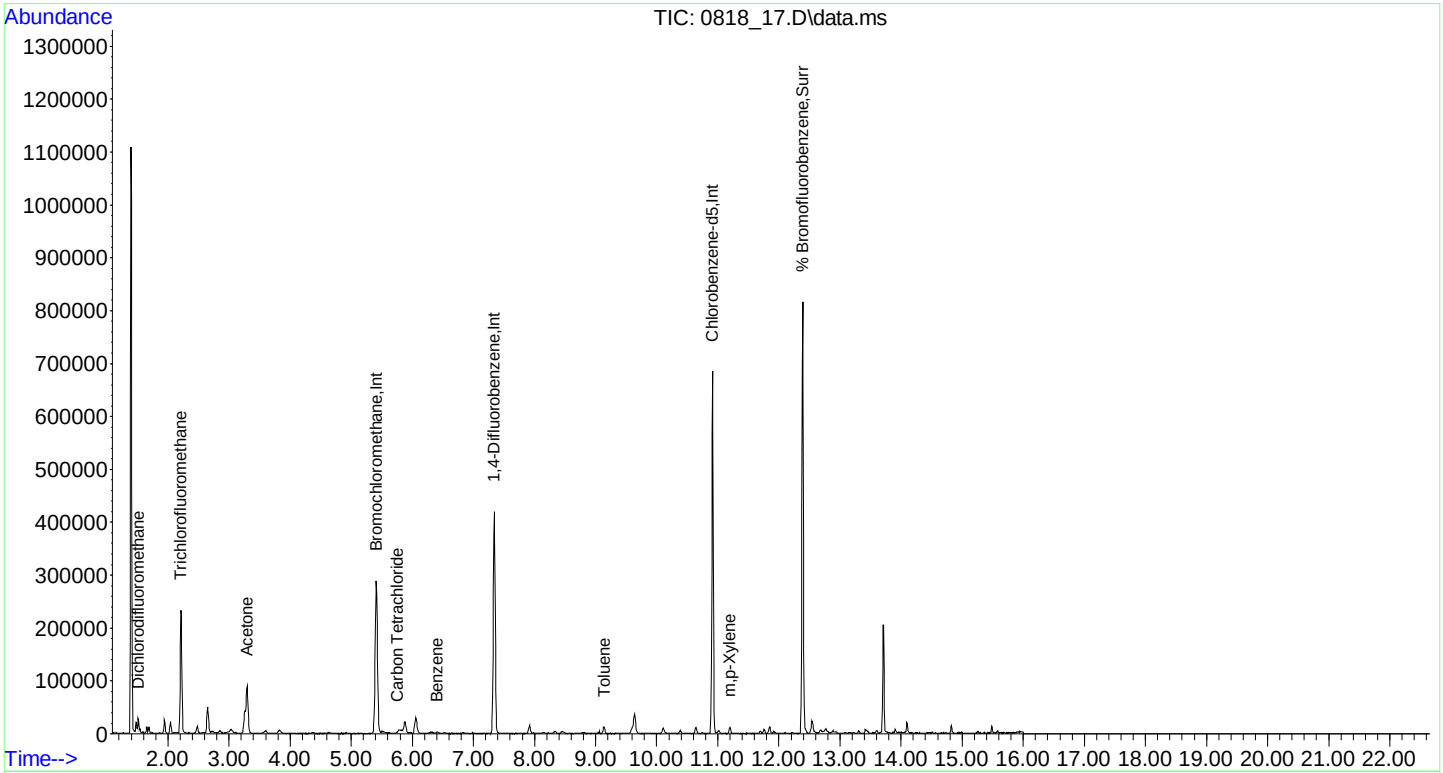
Quant Time: Dec 03 14:30:10 2020
Quant Method : H:\AIR2020\CHEM24\METHODS\24AIR_0810_wal.M
Quant Title : VOA Standards for 5 point calibration
QLast Update : Thu Dec 03 14:24:50 2020
Response via : Initial Calibration

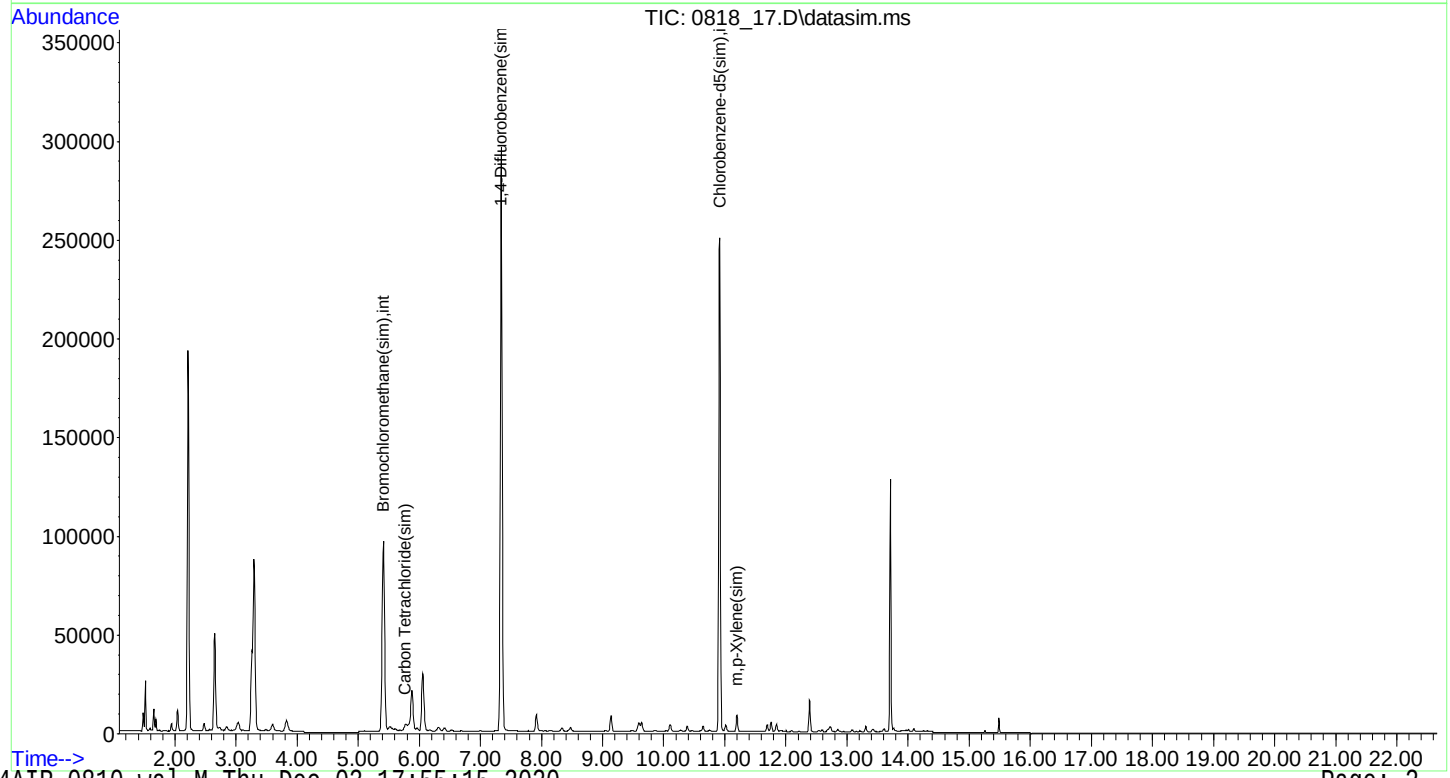
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Bromochloromethane	5.410	130	121232	10.000	ng		0.00
15) 1,4-Difluorobenzene	7.340	114	379007	10.000	ng		0.00
20) Chlorobenzene-d5	10.915	82	163253	10.000	ng		0.00
30) Bromochloromethane(sim)	5.413	130	132816	10.000	ng	#	0.00
41) 1,4-Difluorobenzene(sim)	7.340	114	379007	10.000	ng		0.00
47) Chlorobenzene-d5(sim)	10.915	82	163253	10.000	ng		0.00
System Monitoring Compounds							
25) % Bromofluorobenzene	12.389	95	253048	10.083	ppbv		0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 100.80%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.512	85	15083	0.765	ppbv		97
4) Acetone	3.299	43	137549	5.050	ppbv#		92
5) Trichlorofluoromethane	2.211	101	161671	5.500	ppbv		98
13) Benzene	6.409	78	2138	0.081	ppbv#		87
14) Carbon Tetrachloride	5.763	117	2579	0.090	ppbv		92
18) Toluene	9.138	91	8632	0.243	ppbv		92
23) m,p-Xylene	11.196	91	6155	0.172	ppbv		95
34] Carbon Tetrachloride(sim)	5.766	117	2697	0.086	ppbv		99
48] m,p-Xylene(sim)	11.199	91	6989	0.169	ppbv		97

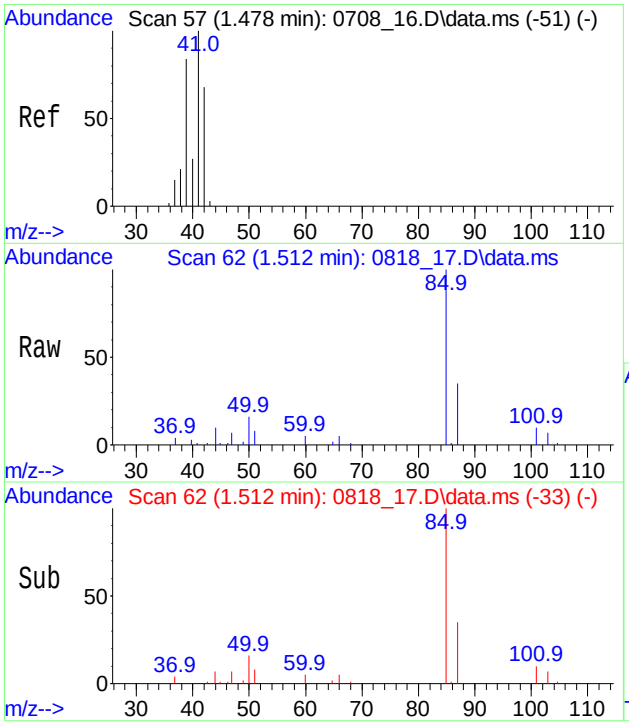
(#)out of range (m)manual integration reviewed by analyst (+)signals summed

Data Path : H:\AIR2020\CHEM24\08AUG\18\
Data File : 0818_17.D
Acq On : 19 Aug 2020 1:23 am
Operator : Keith
Client ID : IA-07 (BASEMENT-S)
Lab ID : CG56074
ALS Vial : 142 Sample Multiplier: 1

Quant Time: Dec 03 14:30:10 2020
Quant Method : H:\AIR2020\CHEM24\METHODS\24AIR_0810_wal.M
Quant Title : VOA Standards for 5 point calibration
QLast Update : Thu Dec 03 14:24:50 2020
Response via : Initial Calibration



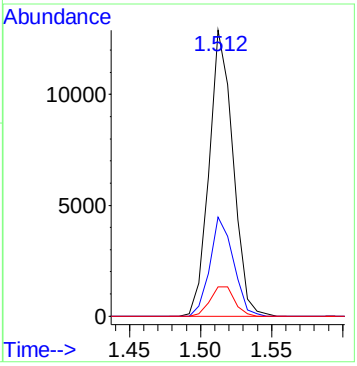


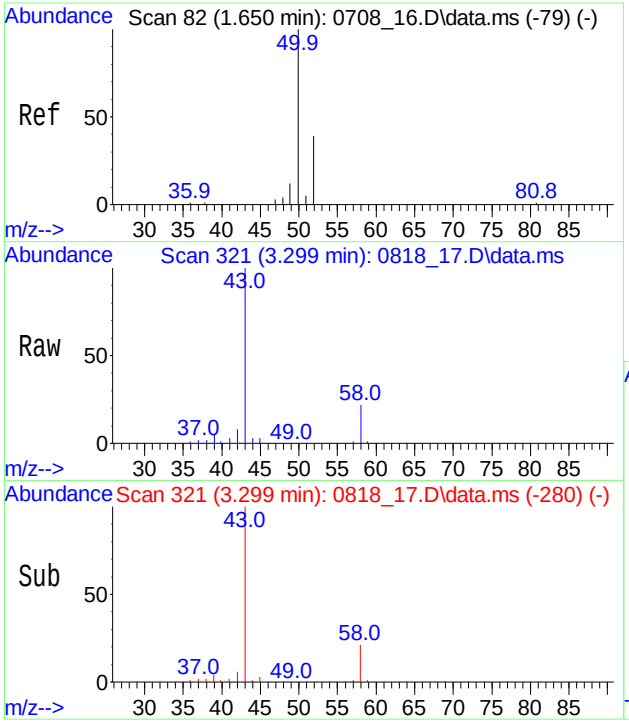


#2
Dichlorodifluoromethane
Conc: 8$ 0.765 ppbv
RT: 1.512 min Scan# 62
Delta R.T. 0.000 min
Lab File: 0818_17.D
Acq: 19 Aug 2020 1:23 am

Tgt Ion: 85 Resp: 15083

Ion	Ratio	Lower	Upper
85	100		
87	34.2	25.8	38.8
101	10.6	8.5	12.7

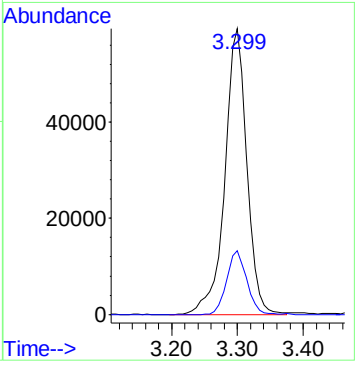


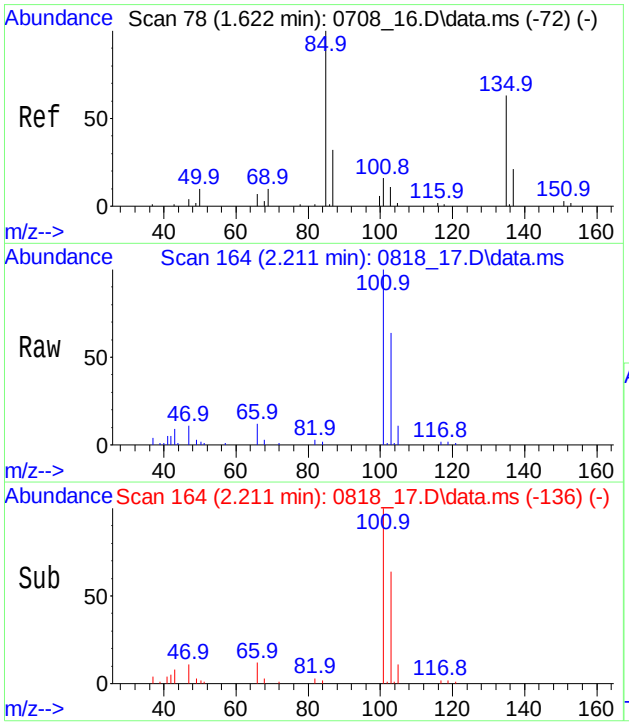


#4
Acetone
Conc: 8$ 5.050 ppbv
RT: 3.299 min Scan# 321
Delta R.T. -0.021 min
Lab File: 0818_17.D
Acq: 19 Aug 2020 1:23 am

Tgt Ion: 43 Resp: 137549

Ion	Ratio	Lower	Upper
43	100		
58	20.4	13.4	20.2#

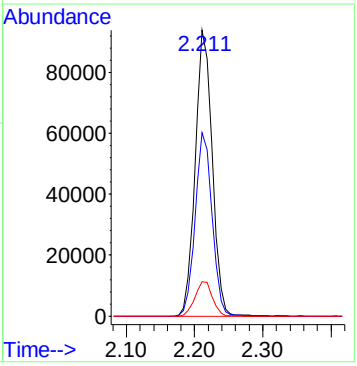


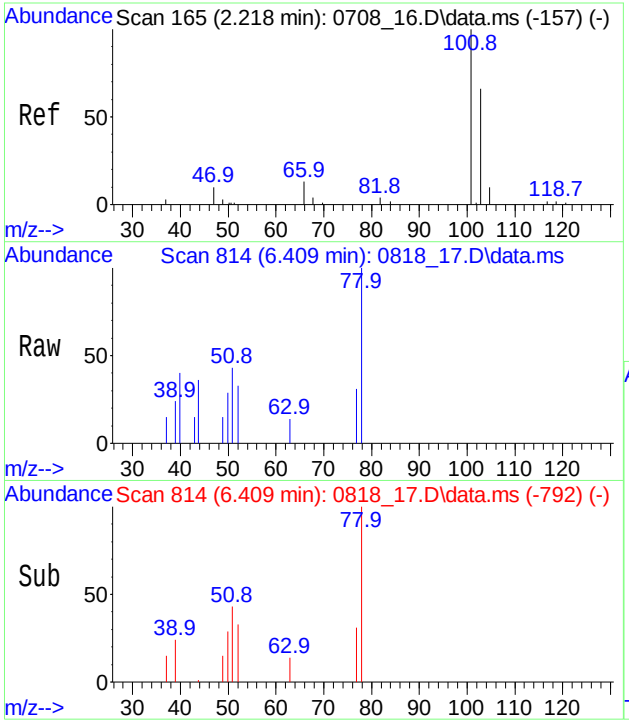


#5
Trichlorofluoromethane
Conc: 8$ 5.500 ppbv
RT: 2.211 min Scan# 164
Delta R.T. -0.007 min
Lab File: 0818_17.D
Acq: 19 Aug 2020 1:23 am

Tgt Ion:101 Resp: 161671

Ion	Ratio	Lower	Upper
101	100		
103	63.9	52.4	78.6
66	12.3	9.2	13.8

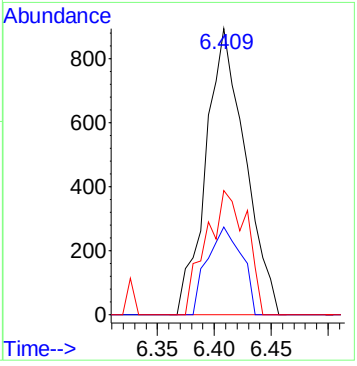


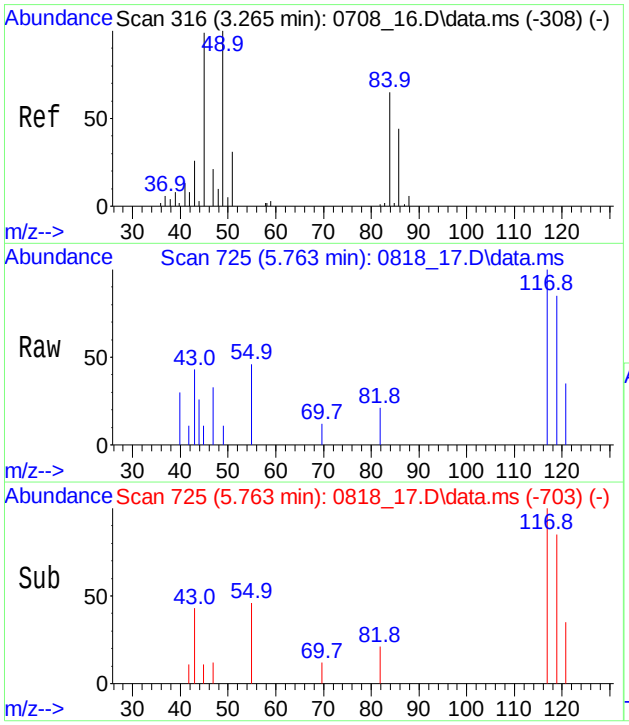


#13
Benzene
Conc: 8$ 0.081 ppbv
RT: 6.409 min Scan# 814
Delta R.T. 0.004 min
Lab File: 0818_17.D
Acq: 19 Aug 2020 1:23 am

Tgt Ion: 78 Resp: 2138

Ion	Ratio	Lower	Upper
78	100		
77	26.9	12.2	18.4#
51	44.8	31.9	47.9

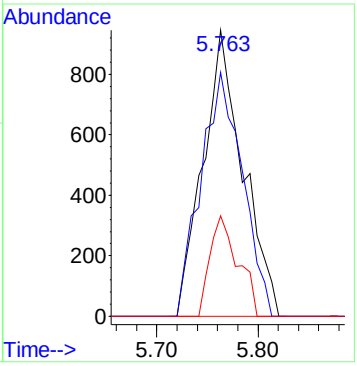


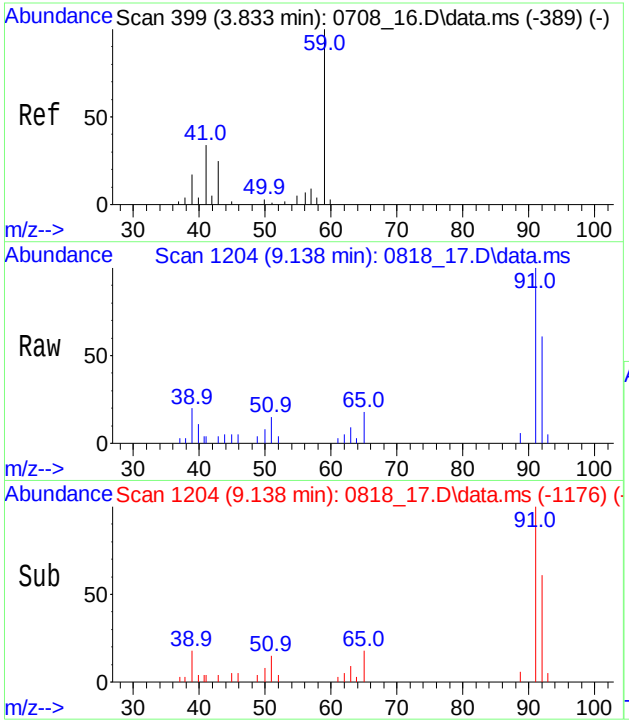


#14
Carbon Tetrachloride
Conc: 8$ Below Cal
RT: 5.763 min Scan# 725
Delta R.T. 0.012 min
Lab File: 0818_17.D
Acq: 19 Aug 2020 1:23 am

Tgt Ion:117 Resp: 2579

Ion	Ratio	Lower	Upper
117	100		
119	88.9	77.7	117.7
121	24.6	1.8	41.8

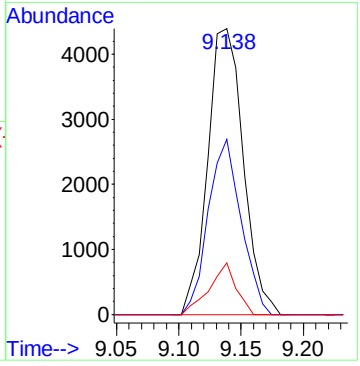


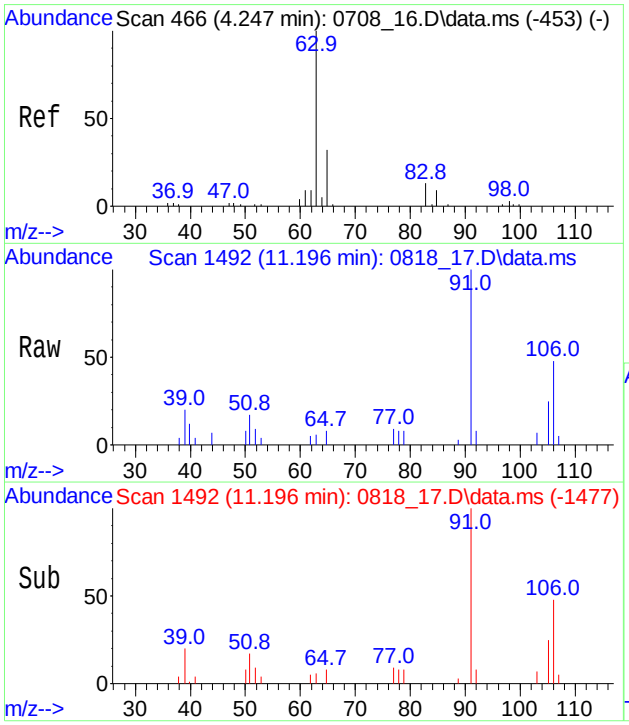


#18
Toluene
Conc: 8$ 0.243 ppbv
RT: 9.138 min Scan# 1204
Delta R.T. 0.004 min
Lab File: 0818_17.D
Acq: 19 Aug 2020 1:23 am

Tgt Ion: 91 Resp: 8632

Ion	Ratio	Lower	Upper
91	100		
92	56.6	39.4	59.0
65	13.5	10.9	16.3

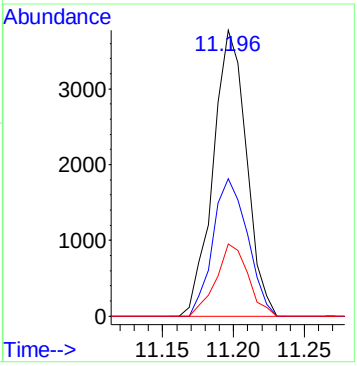


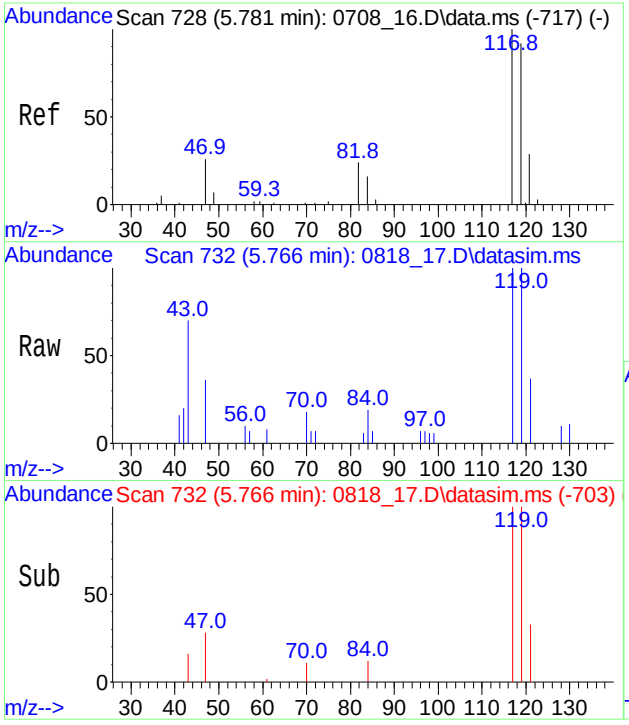


#23
m,p-Xylene
Conc: 8$ 0.172 ppbv
RT: 11.196 min Scan# 1492
Delta R.T. 0.004 min
Lab File: 0818_17.D
Acq: 19 Aug 2020 1:23 am

Tgt Ion: 91 Resp: 6155

Ion	Ratio	Lower	Upper
91	100		
106	50.0	43.4	65.0
105	24.3	18.3	27.5

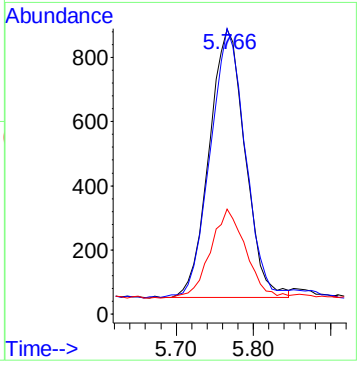


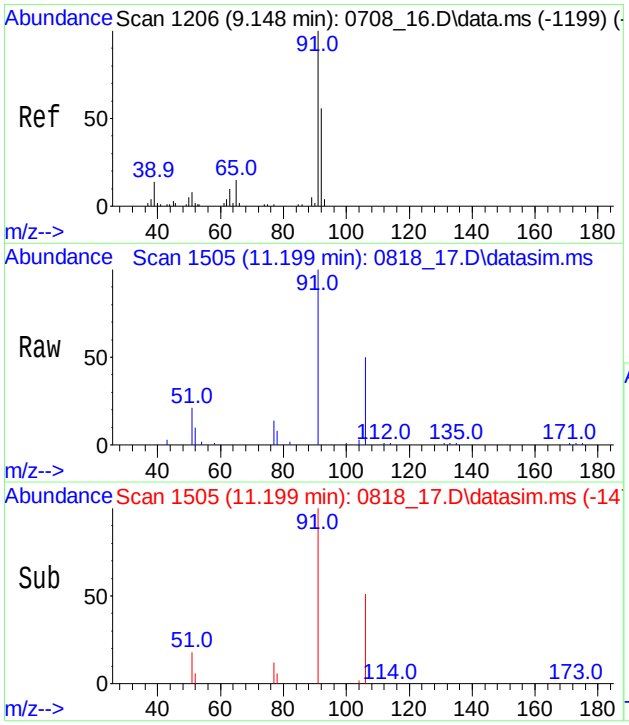


#34
Carbon Tetrachloride(sim)
Conc: 8$ 0.086 ppbv
RT: 5.766 min Scan# 732
Delta R.T. 0.012 min
Lab File: 0818_17.D
Acq: 19 Aug 2020 1:23 am

Tgt Ion:117 Resp: 2697

Ion	Ratio	Lower	Upper
117	100		
119	97.9	78.0	117.0
121	32.7	24.9	37.3

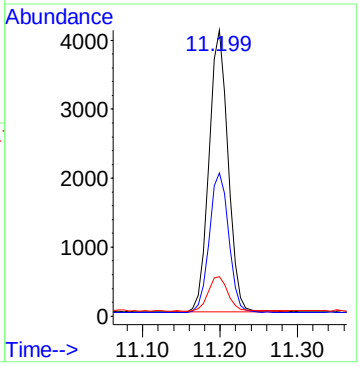




#48
m,p-Xylene(sim)
Conc: 8$ 0.169 ppbv
RT: 11.199 min Scan# 1505
Delta R.T. 0.004 min
Lab File: 0818_17.D
Acq: 19 Aug 2020 1:23 am

Tgt Ion: 91 Resp: 6989

Ion	Ratio	Lower	Upper
91	100		
106	50.6	47.3	57.8
77	12.8	10.8	16.2



1

CLIENT ID

AIR ANALYSIS DATA SHEET

IA-01 (OFFICE)

Client: WALDENE-IPARK Lab: Phoenix Env. Labs

SDG No.: GCG56071 Lab Sample ID: CG56075

Canister: 28581 Lab File ID: 0818_18.D

Instrument: CHEM24 Column: RTX-VMS Date Received: 08/18/20

Purge Volume 200 (cc) Date Analyzed: 08/19/20

Matrix: AIR Dilution Factor: 1

CONCENTRATION UNITS: (ppbv or ug/m3) ppbv

CAS NO.	COMPOUND	CONC.	Q	MDL	PQL	R
75-71-8	Dichlorodifluoromethane	0.764		0.200	0.200	r
67-64-1	Acetone	7.13	S	1.00	1.00	r
75-69-4	Trichlorofluoromethane	5.72		0.150	0.150	r
75-09-2	Methylene Chloride	0.400	U	0.400	0.400	r
76-13-1	Trichlorotrifluoroethane	0.150	U	0.150	0.150	r
71-55-6	1,1,1-Trichloroethane	0.200	U	0.200	0.200	r
71-43-2	Benzene	0.078		0.050	0.050	r
108-88-3	Toluene	0.225		0.200	0.200	r
108-90-7	Chlorobenzene	0.200	U	0.200	0.200	r
100-41-4	Ethylbenzene	0.150	U	0.150	0.150	r
95-47-6	o-Xylene	0.150	U	0.150	0.150	r
541-73-1	1,3-Dichlorobenzene	0.150	U	0.150	0.150	r
95-50-1	1,2-Dichlorobenzene	0.150	U	0.150	0.150	r
120-82-1	1,2,4-Trichlorobenzene	0.250	U	0.250	0.250	r
75-01-4	Vinyl Chloride(sim)	0.020	U	0.020	0.020	r
56-23-5	Carbon Tetrachloride(sim)	0.084		0.020	0.020	r
75-35-4	1,1-Dichloroethene(sim)	0.050	U	0.050	0.050	r
156-59-2	Cis-1,2-Dichloroethene(sim)	0.050	U	0.050	0.050	r
79-01-6	Trichloroethene(sim)	0.037	U	0.037	0.037	r
127-18-4	Tetrachloroethene(sim)	0.100	U	0.100	0.100	r
179601-23-1	m,p-Xylene(sim)	0.151		0.150	0.150	r
106-46-7	1,4-Dichlorobenzene(sim)	0.150	U	0.150	0.150	r

FORM I AIR

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

Quantitation Report (QT Reviewed)

Data Path : H:\AIR2020\CHEM24\08AUG\18\
Data File : 0818_18.D
Acq On : 19 Aug 2020 2:04 am
Operator : Keith
Client ID : IA-01 (OFFICE)
Lab ID : CG56075
ALS Vial : 143 Sample Multiplier: 1

Quant Time: Dec 03 14:30:21 2020
Quant Method : H:\AIR2020\CHEM24\METHODS\24AIR_0810_wal.M
Quant Title : VOA Standards for 5 point calibration
QLast Update : Thu Dec 03 14:24:50 2020
Response via : Initial Calibration

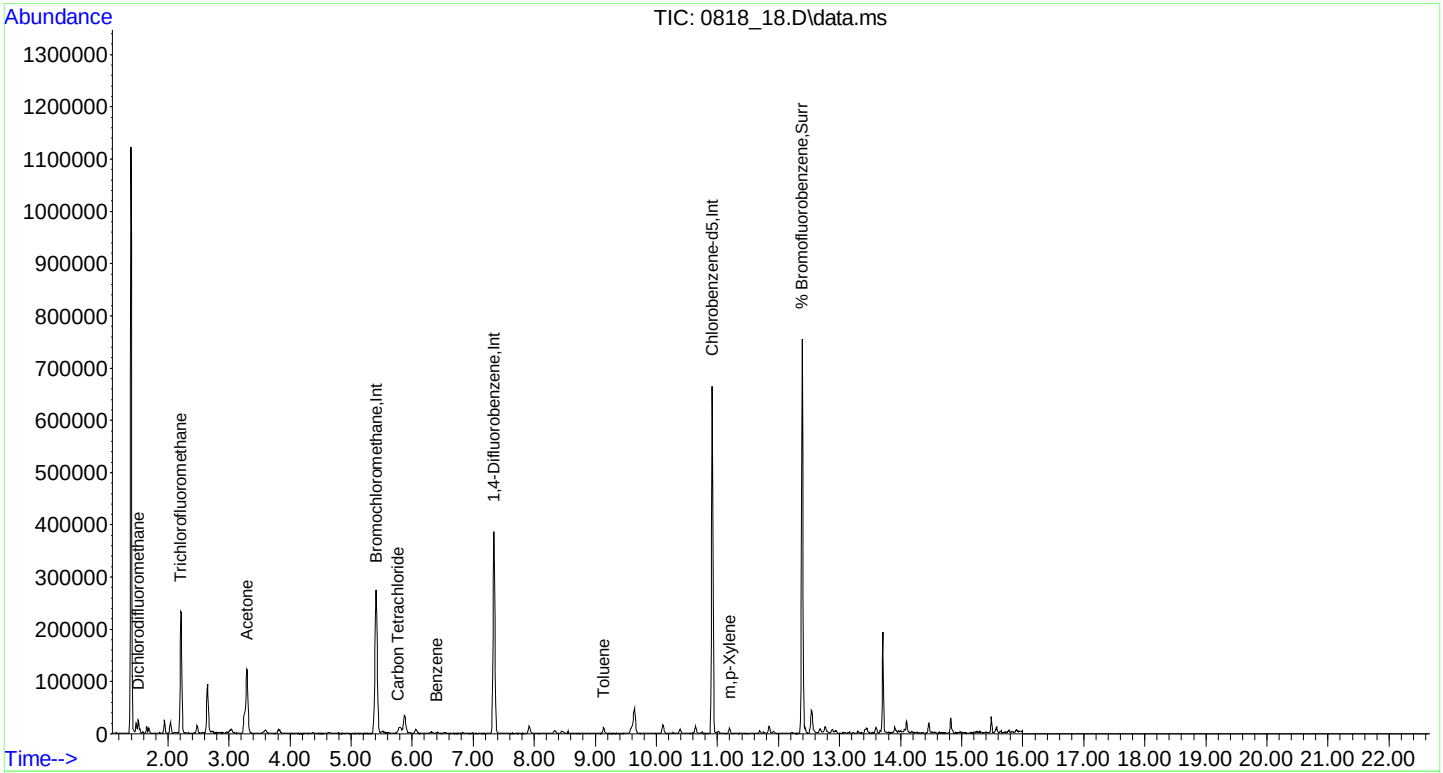
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Bromochloromethane	5.413	130	117145	10.000	ng		0.00
15) 1,4-Difluorobenzene	7.343	114	357187	10.000	ng		0.00
20) Chlorobenzene-d5	10.918	82	158805	10.000	ng		0.00
30) Bromochloromethane(sim)	5.408	130	126553	10.000	ng	#	0.00
41) 1,4-Difluorobenzene(sim)	7.343	114	357187	10.000	ng		0.00
47) Chlorobenzene-d5(sim)	10.918	82	158805	10.000	ng		0.00
System Monitoring Compounds							
25) % Bromofluorobenzene	12.385	95	242694	9.941	ppbv		0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 99.40%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.512	85	14550	0.764	ppbv		99
4) Acetone	3.292	43	187516	7.125	ppbv#		91
5) Trichlorofluoromethane	2.211	101	162579	5.724	ppbv		99
13) Benzene	6.405	78	2000	0.078	ppbv#		83
14) Carbon Tetrachloride	5.766	117	2490	0.090	ppbv		90
18) Toluene	9.134	91	7507	0.225	ppbv#		86
23) m,p-Xylene	11.199	91	5510	0.158	ppbv		95
34] Carbon Tetrachloride(sim)	5.762	117	2533	0.084	ppbv		98
48] m,p-Xylene(sim)	11.202	91	6060	0.151	ppbv		97

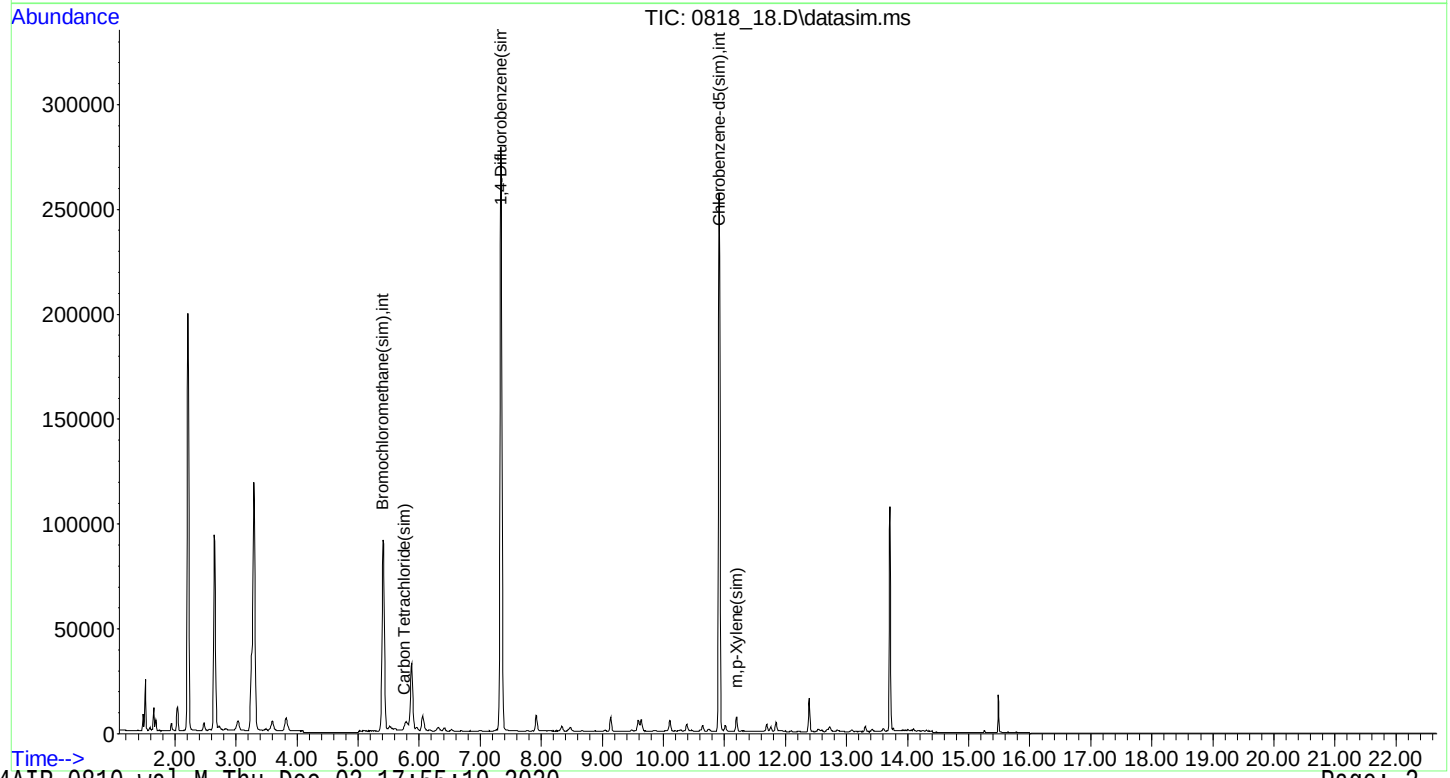
(#)out of range (m)manual integration reviewed by analyst (+)signals summed

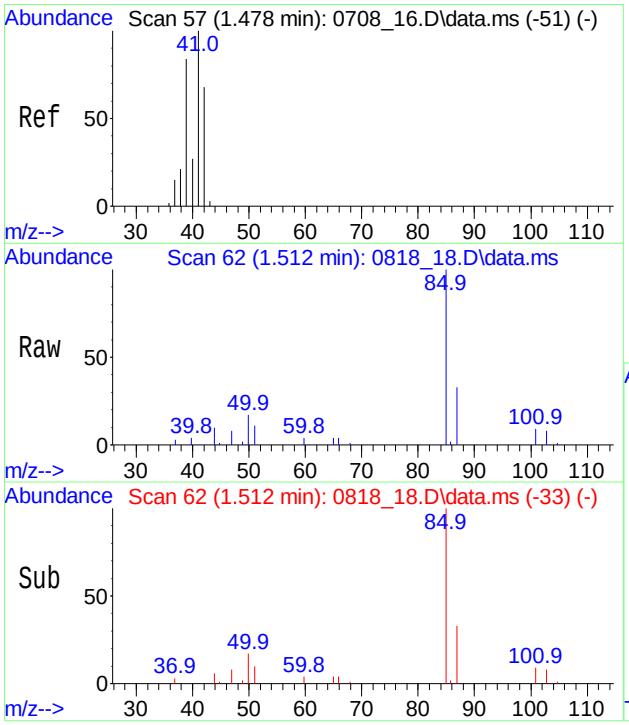
Quantitation Report (QT Reviewed)

Data Path : H:\AIR2020\CHEM24\08AUG\18\
Data File : 0818_18.D
Acq On : 19 Aug 2020 2:04 am
Operator : Keith
Client ID : IA-01 (OFFICE)
Lab ID : CG56075
ALS Vial : 143 Sample Multiplier: 1

Quant Time: Dec 03 14:30:21 2020
Quant Method : H:\AIR2020\CHEM24\METHODS\24AIR_0810_wal.M
Quant Title : VOA Standards for 5 point calibration
QLast Update : Thu Dec 03 14:24:50 2020
Response via : Initial Calibration



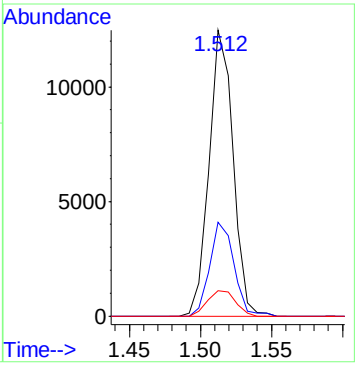


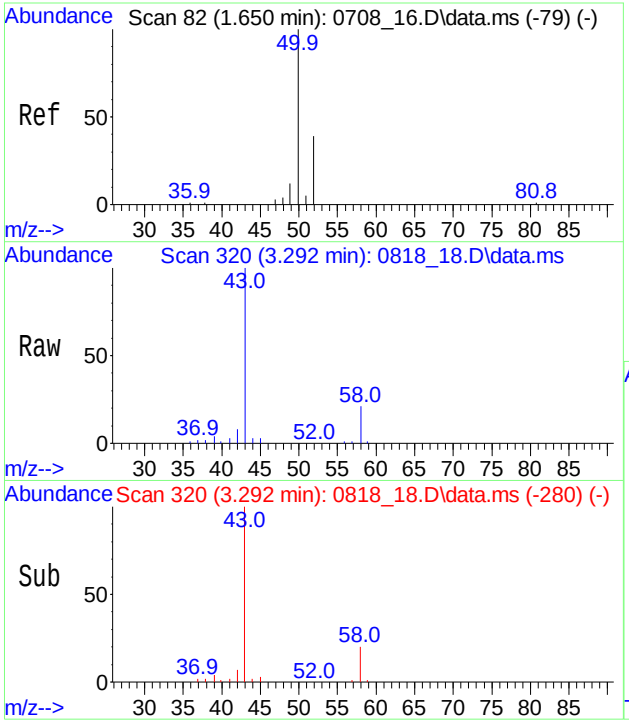


#2
Dichlorodifluoromethane
Conc: 8$ 0.764 ppbv
RT: 1.512 min Scan# 62
Delta R.T. 0.000 min
Lab File: 0818_18.D
Acq: 19 Aug 2020 2:04 am

Tgt Ion: 85 Resp: 14550

Ion	Ratio	Lower	Upper
85	100		
87	33.2	25.8	38.8
101	10.5	8.5	12.7

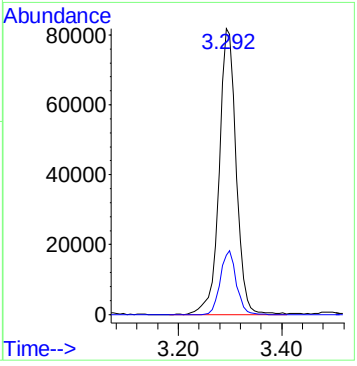


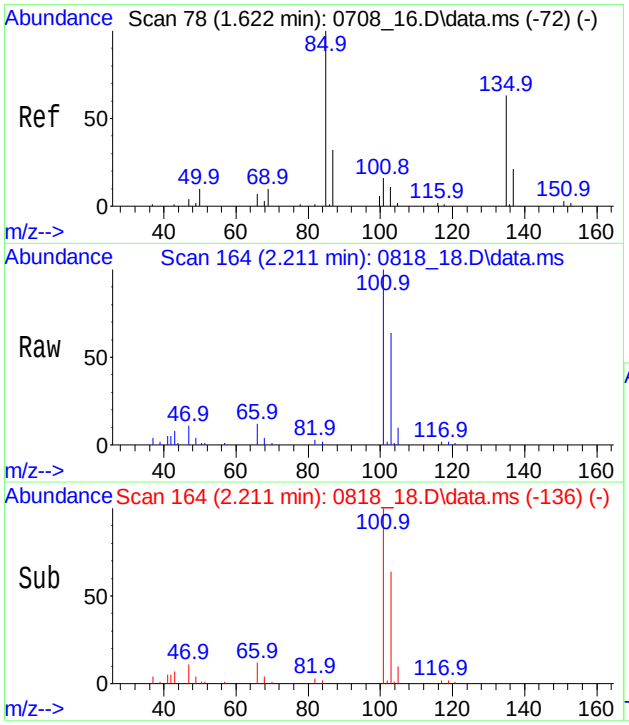


#4
Acetone
Conc: 8$ 7.125 ppbv
RT: 3.292 min Scan# 320
Delta R.T. -0.027 min
Lab File: 0818_18.D
Acq: 19 Aug 2020 2:04 am

Tgt Ion: 43 Resp: 187516

Ion	Ratio	Lower	Upper
43	100		
58	20.8	13.4	20.2#

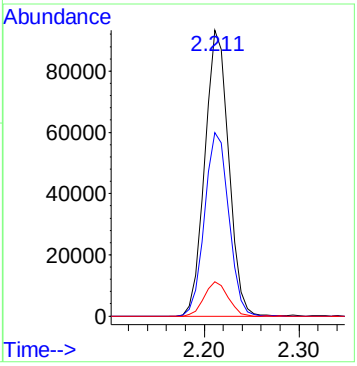


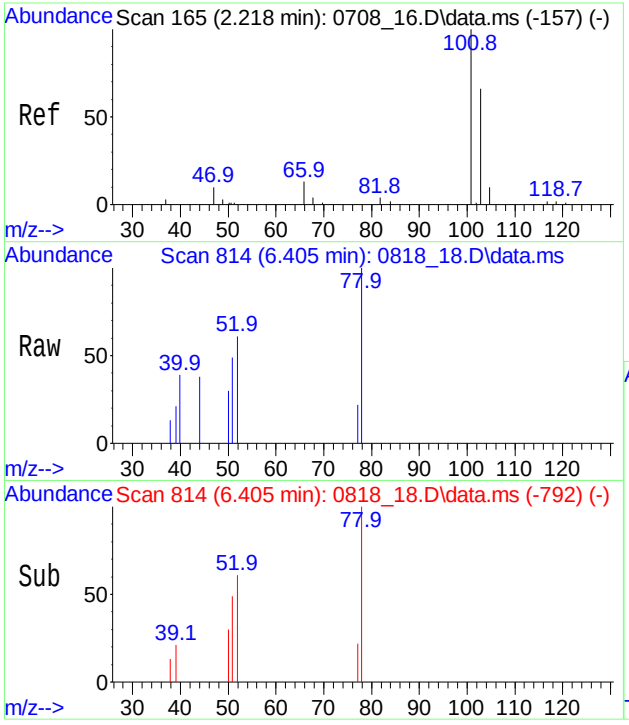


#5
Trichlorofluoromethane
Conc: 8$ 5.724 ppbv
RT: 2.211 min Scan# 164
Delta R.T. -0.007 min
Lab File: 0818_18.D
Acq: 19 Aug 2020 2:04 am

Tgt Ion:101 Resp: 162579

Ion	Ratio	Lower	Upper
101	100		
103	65.1	52.4	78.6
66	11.9	9.2	13.8

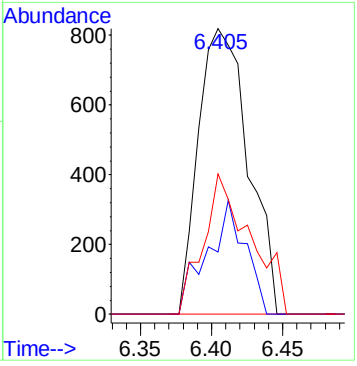


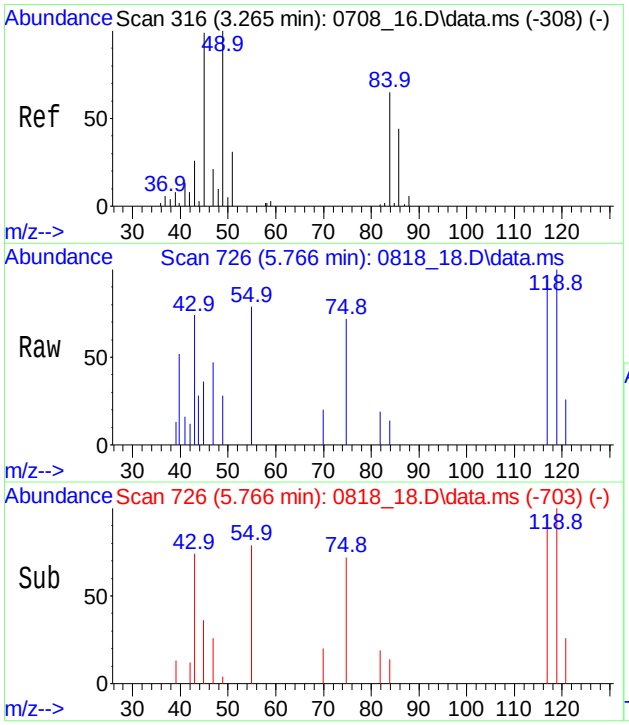


#13
Benzene
Conc: 8$ 0.078 ppbv
RT: 6.405 min Scan# 814
Delta R.T. 0.000 min
Lab File: 0818_18.D
Acq: 19 Aug 2020 2:04 am

Tgt Ion: 78 Resp: 2000

Ion	Ratio	Lower	Upper
78	100		
77	30.3	12.2	18.4#
51	46.3	31.9	47.9

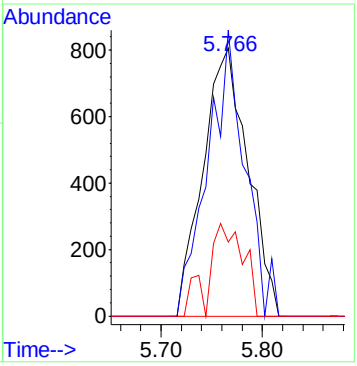


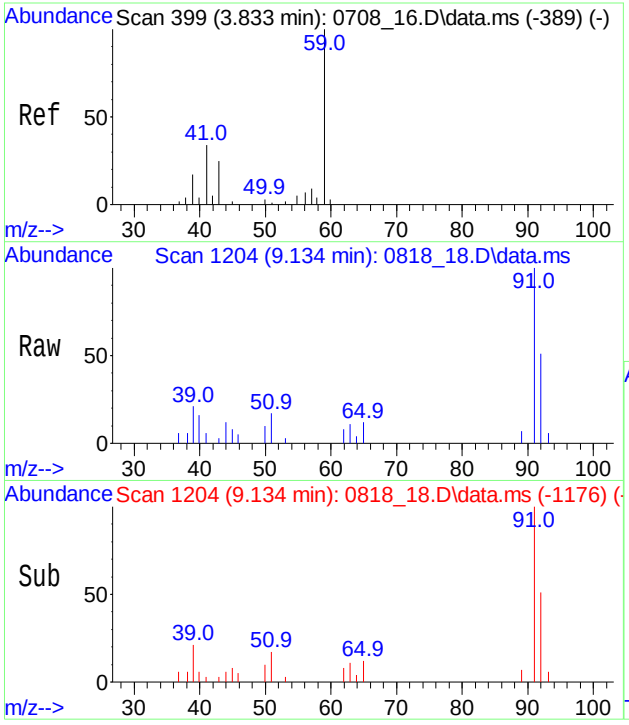


#14
Carbon Tetrachloride
Conc: 8$ Below Cal
RT: 5.766 min Scan# 726
Delta R.T. 0.014 min
Lab File: 0818_18.D
Acq: 19 Aug 2020 2:04 am

Tgt Ion:117 Resp: 2490

Ion	Ratio	Lower	Upper
117	100		
119	87.9	77.7	117.7
121	27.2	1.8	41.8

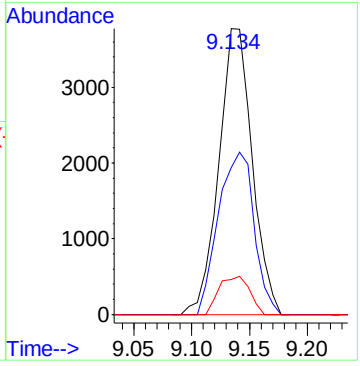


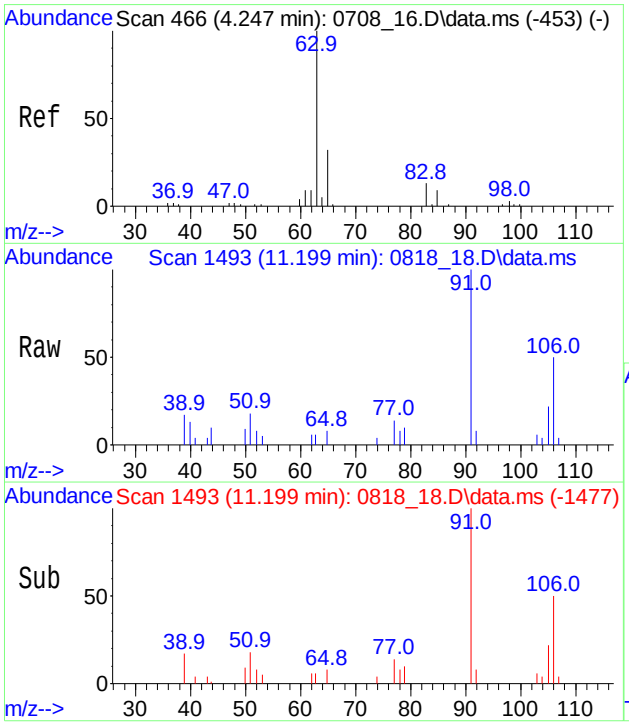


#18
Toluene
Conc: 8$ 0.225 ppbv
RT: 9.134 min Scan# 1204
Delta R.T. 0.000 min
Lab File: 0818_18.D
Acq: 19 Aug 2020 2:04 am

Tgt Ion: 91 Resp: 7507

Ion	Ratio	Lower	Upper
91	100		
92	60.6	39.4	59.0#
65	12.3	10.9	16.3

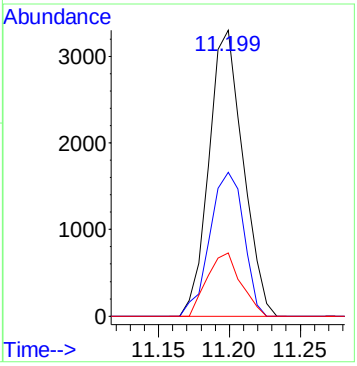


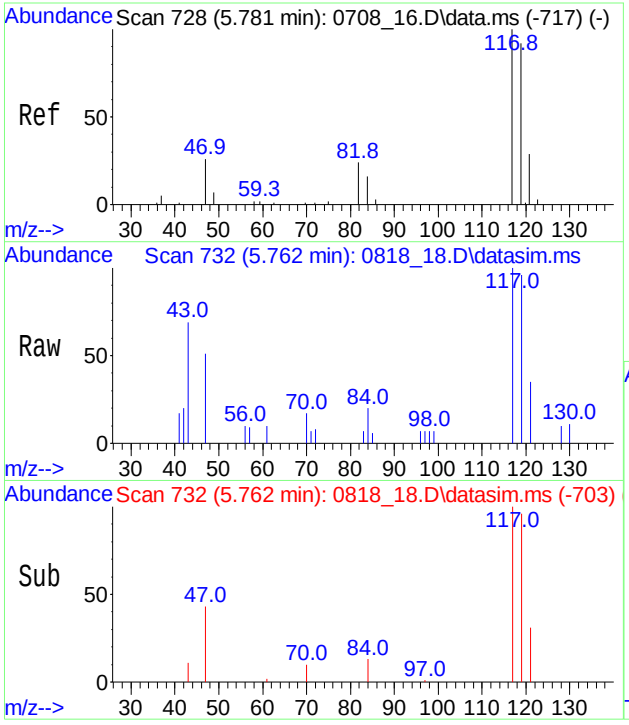


#23
m,p-Xylene
Conc: 8$ 0.158 ppbv
RT: 11.199 min Scan# 1493
Delta R.T. 0.007 min
Lab File: 0818_18.D
Acq: 19 Aug 2020 2:04 am

Tgt Ion: 91 Resp: 5510

Ion	Ratio	Lower	Upper
91	100		
106	50.2	43.4	65.0
105	21.8	18.3	27.5

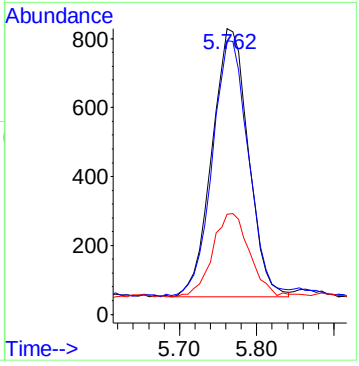


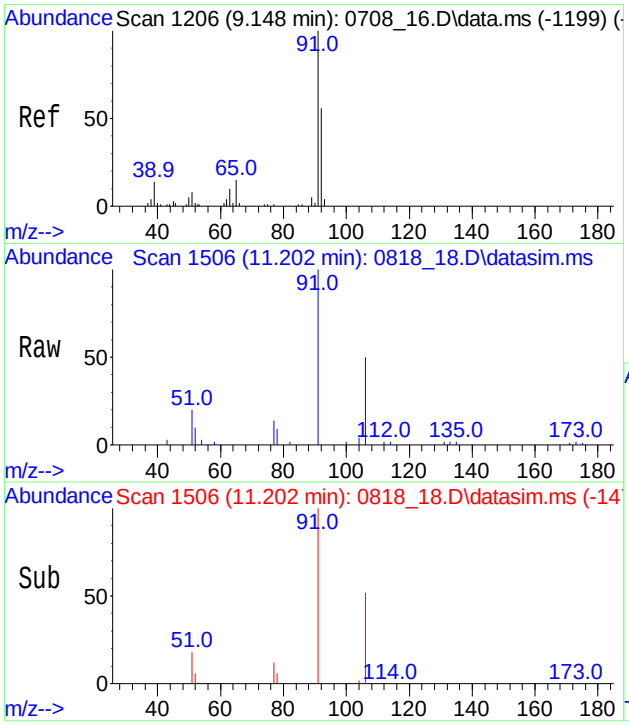


#34
Carbon Tetrachloride(sim)
Conc: 8$ 0.084 ppbv
RT: 5.762 min Scan# 732
Delta R.T. 0.007 min
Lab File: 0818_18.D
Acq: 19 Aug 2020 2:04 am

Tgt Ion:117 Resp: 2533

Ion	Ratio	Lower	Upper
117	100		
119	96.0	78.0	117.0
121	32.4	24.9	37.3

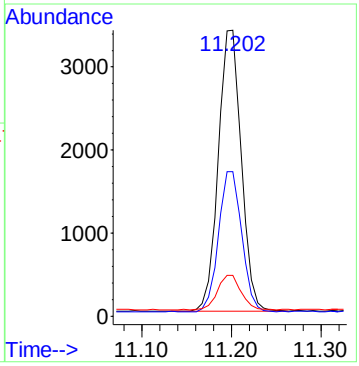




#48
m,p-Xylene(sim)
Conc: 8$ 0.151 ppbv
RT: 11.202 min Scan# 1506
Delta R.T. 0.007 min
Lab File: 0818_18.D
Acq: 19 Aug 2020 2:04 am

Tgt Ion: 91 Resp: 6060

Ion	Ratio	Lower	Upper
91	100		
106	50.3	47.3	57.8
77	13.0	10.8	16.2



1

CLIENT ID

AIR ANALYSIS DATA SHEET

AA-01

Client: WALDENE-IPARK Lab: Phoenix Env. Labs

SDG No.: GCG56071 Lab Sample ID: CG56076

Canister: 13639 Lab File ID: 0818_19.D

Instrument: CHEM24 Column: RTX-VMS Date Received: 08/18/20

Purge Volume 200 (cc) Date Analyzed: 08/19/20

Matrix: AIR Dilution Factor: 1

CONCENTRATION UNITS: (ppbv or ug/m3) ppbv

CAS NO.	COMPOUND	CONC.	Q	MDL	PQL	R
75-71-8	Dichlorodifluoromethane	0.361		0.200	0.200	r
67-64-1	Acetone	4.70	S	1.00	1.00	r
75-69-4	Trichlorofluoromethane	0.317		0.150	0.150	r
75-09-2	Methylene Chloride	0.998	S	0.400	0.400	r
76-13-1	Trichlorotrifluoroethane	0.150	U	0.150	0.150	r
71-55-6	1,1,1-Trichloroethane	0.200	U	0.200	0.200	r
71-43-2	Benzene	0.051		0.050	0.050	r
108-88-3	Toluene	0.200	U	0.200	0.200	r
108-90-7	Chlorobenzene	0.200	U	0.200	0.200	r
100-41-4	Ethylbenzene	0.150	U	0.150	0.150	r
95-47-6	o-Xylene	0.150	U	0.150	0.150	r
541-73-1	1,3-Dichlorobenzene	0.150	U	0.150	0.150	r
95-50-1	1,2-Dichlorobenzene	0.150	U	0.150	0.150	r
120-82-1	1,2,4-Trichlorobenzene	0.250	U	0.250	0.250	r
75-01-4	Vinyl Chloride(sim)	0.020	U	0.020	0.020	r
56-23-5	Carbon Tetrachloride(sim)	0.082		0.020	0.020	r
75-35-4	1,1-Dichloroethene(sim)	0.050	U	0.050	0.050	r
156-59-2	Cis-1,2-Dichloroethene(sim)	0.050	U	0.050	0.050	r
79-01-6	Trichloroethene(sim)	0.037	U	0.037	0.037	r
127-18-4	Tetrachloroethene(sim)	0.100	U	0.100	0.100	r
179601-23-1	m,p-Xylene(sim)	0.150	U	0.150	0.150	r
106-46-7	1,4-Dichlorobenzene(sim)	0.150	U	0.150	0.150	r

FORM I AIR

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

Quantitation Report (QT Reviewed)

Data Path : H:\AIR2020\CHEM24\08AUG\18\
Data File : 0818_19.D
Acq On : 19 Aug 2020 2:45 am
Operator : Keith
Client ID : AA-01
Lab ID : CG56076
ALS Vial : 144 Sample Multiplier: 1

Quant Time: Dec 03 14:30:31 2020
Quant Method : H:\AIR2020\CHEM24\METHODS\24AIR_0810_wal.M
Quant Title : VOA Standards for 5 point calibration
QLast Update : Thu Dec 03 14:24:50 2020
Response via : Initial Calibration

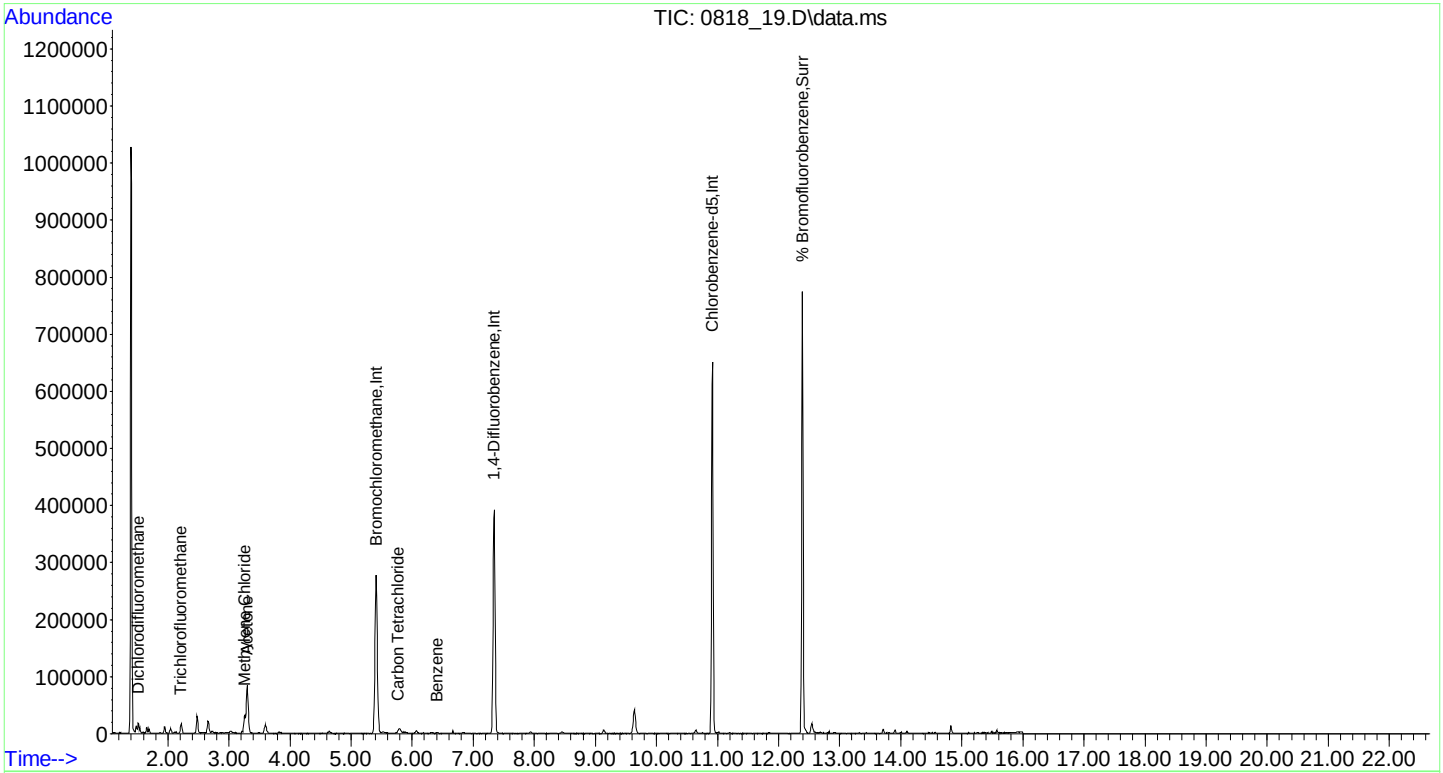
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Bromochloromethane	5.413	130	117567	10.000	ng		0.00
15) 1,4-Difluorobenzene	7.343	114	361645	10.000	ng		0.00
20) Chlorobenzene-d5	10.918	82	159214	10.000	ng		0.00
30) Bromochloromethane(sim)	5.409	130	128145	10.000	ng	#	0.00
41) 1,4-Difluorobenzene(sim)	7.343	114	361645	10.000	ng		0.00
47) Chlorobenzene-d5(sim)	10.918	82	159214	10.000	ng		0.00
System Monitoring Compounds							
25) % Bromofluorobenzene	12.392	95	247226	10.101	ppbv		0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 101.00%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.513	85	6905	0.361	ppbv		95
4) Acetone	3.299	43	124111	4.699	ppbv	#	90
5) Trichlorofluoromethane	2.211	101	9037	0.317	ppbv		98
7) Methylene Chloride	3.251	49	21076	0.998	ppbv		92
13) Benzene	6.412	78	1316	0.051	ppbv	#	81
14) Carbon Tetrachloride	5.766	117	2437	0.088	ppbv		97
34] Carbon Tetrachloride(sim)	5.769	117	2509	0.082	ppbv		99

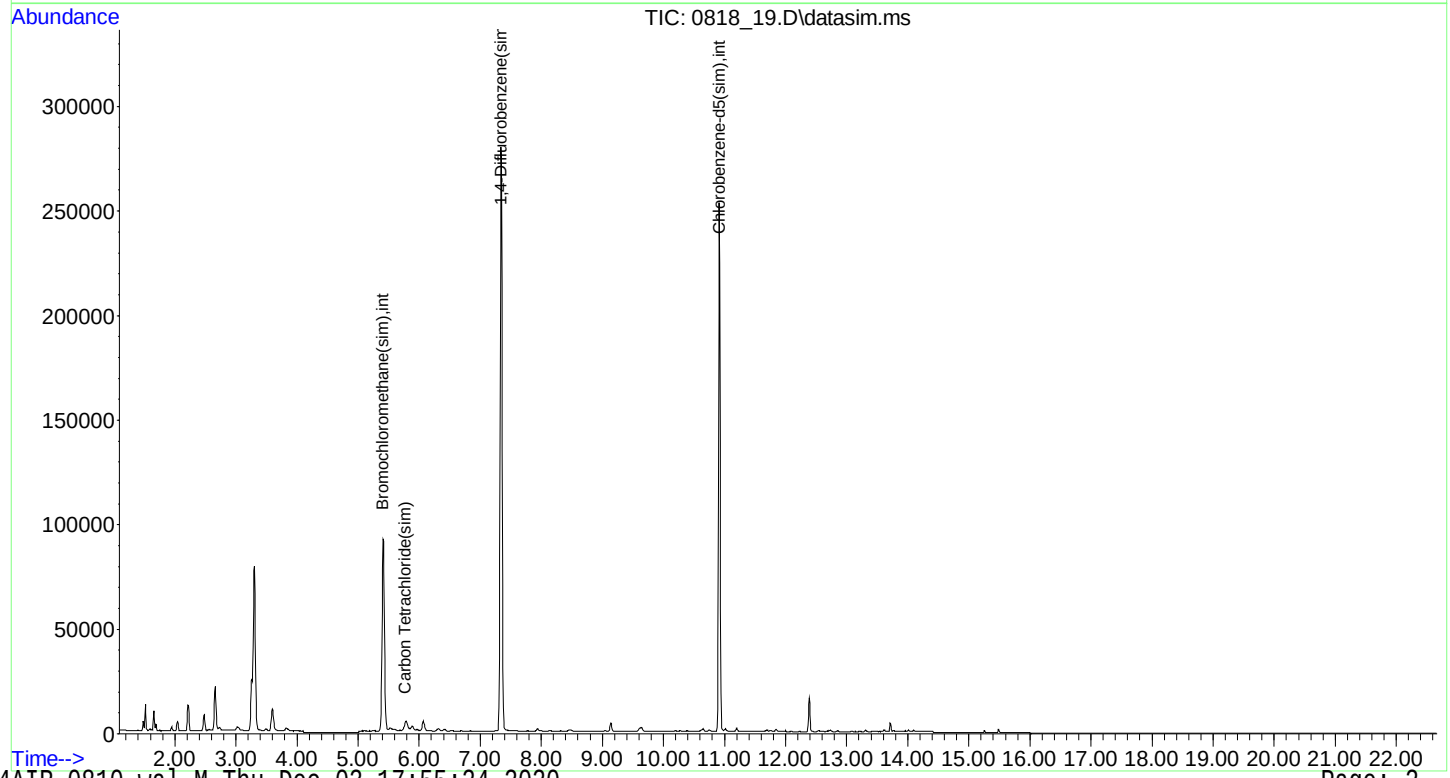
(#)out of range (m)manual integration reviewed by analyst (+)signals summed

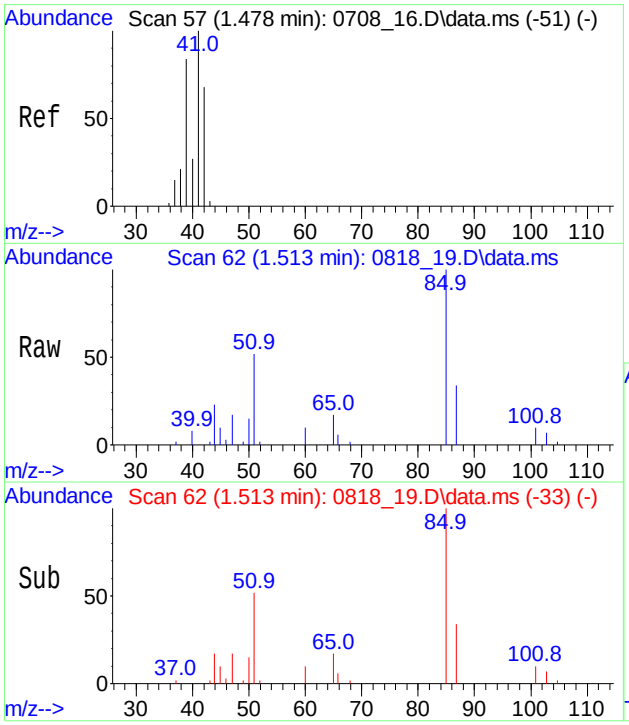
Quantitation Report (QT Reviewed)

Data Path : H:\AIR2020\CHEM24\08AUG\18\
Data File : 0818_19.D
Acq On : 19 Aug 2020 2:45 am
Operator : Keith
Client ID : AA-01
Lab ID : CG56076
ALS Vial : 144 Sample Multiplier: 1

Quant Time: Dec 03 14:30:31 2020
Quant Method : H:\AIR2020\CHEM24\METHODS\24AIR_0810_wal.M
Quant Title : VOA Standards for 5 point calibration
QLast Update : Thu Dec 03 14:24:50 2020
Response via : Initial Calibration



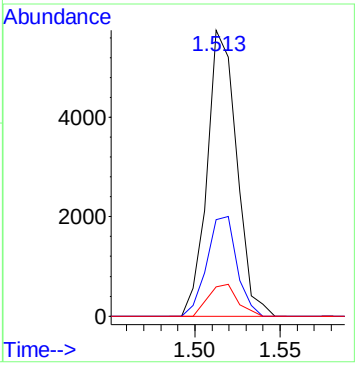


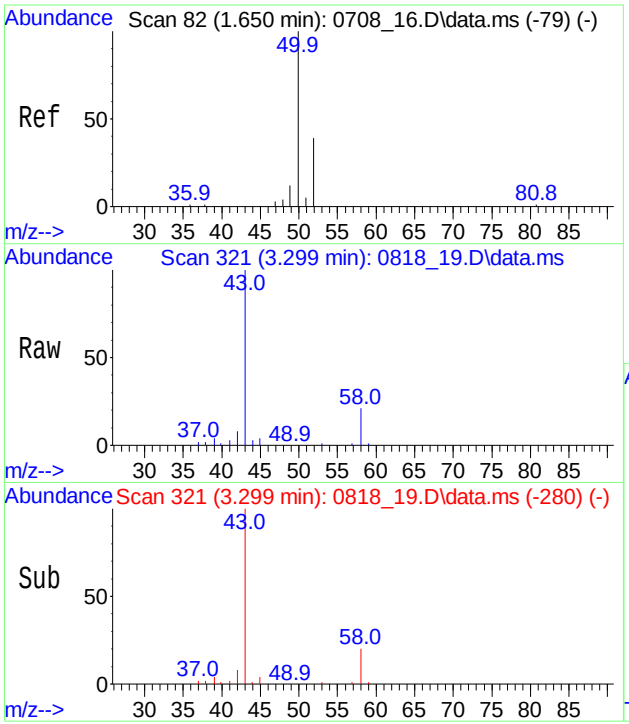


#2
Dichlorodifluoromethane
Conc: 8$ 0.361 ppbv
RT: 1.513 min Scan# 62
Delta R.T. 0.000 min
Lab File: 0818_19.D
Acq: 19 Aug 2020 2:45 am

Tgt Ion: 85 Resp: 6905

Ion	Ratio	Lower	Upper
85	100		
87	35.5	25.8	38.8
101	11.1	8.5	12.7

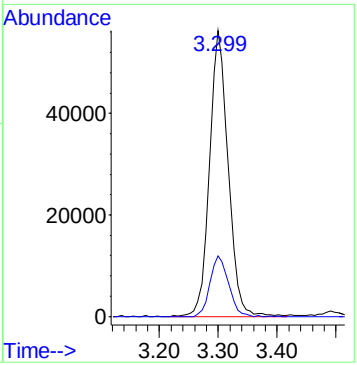


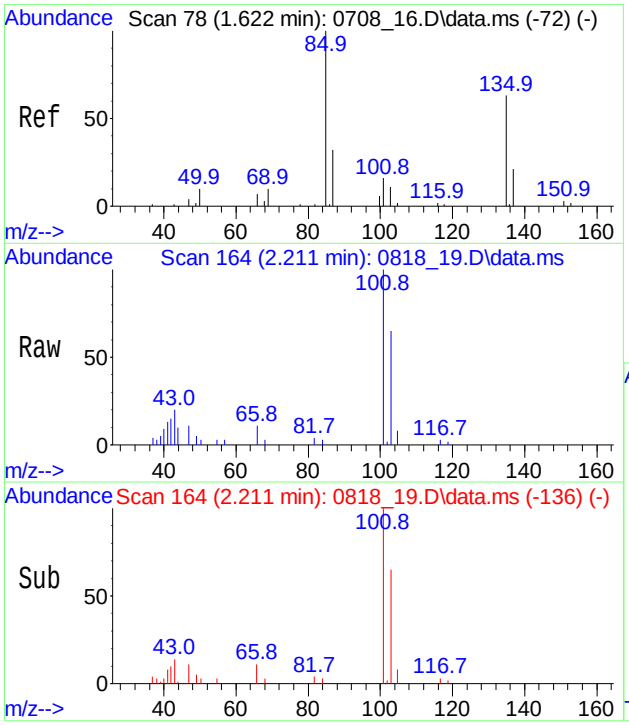


#4
Acetone
Conc: 8$ 4.699 ppbv
RT: 3.299 min Scan# 321
Delta R.T. -0.020 min
Lab File: 0818_19.D
Acq: 19 Aug 2020 2:45 am

Tgt Ion: 43 Resp: 124111

Ion	Ratio	Lower	Upper
43	100		
58	21.0	13.4	20.2#

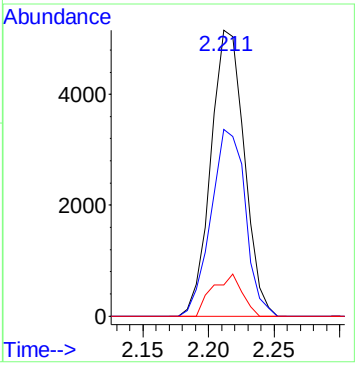


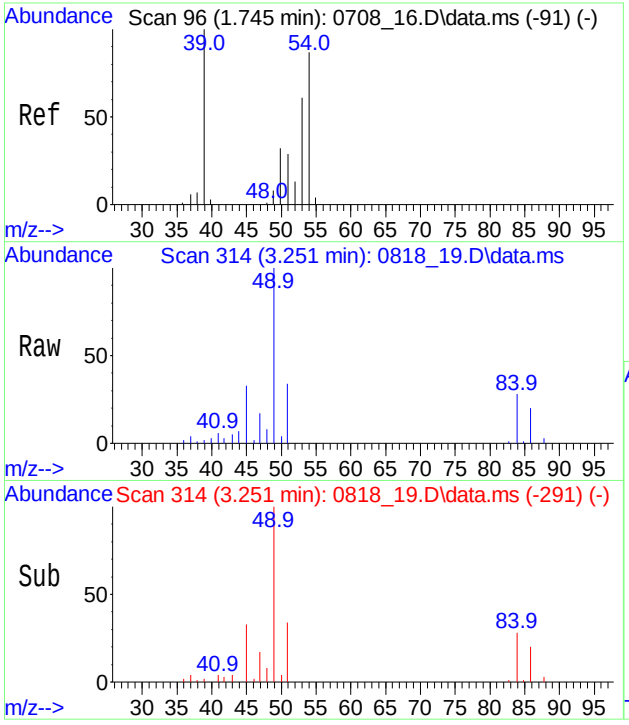


#5
Trichlorofluoromethane
Conc: 8$ 0.317 ppbv
RT: 2.211 min Scan# 164
Delta R.T. -0.007 min
Lab File: 0818_19.D
Acq: 19 Aug 2020 2:45 am

Tgt Ion:101 Resp: 9037

Ion	Ratio	Lower	Upper
101	100		
103	67.1	52.4	78.6
66	13.0	9.2	13.8

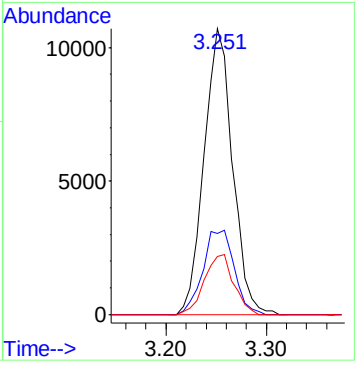


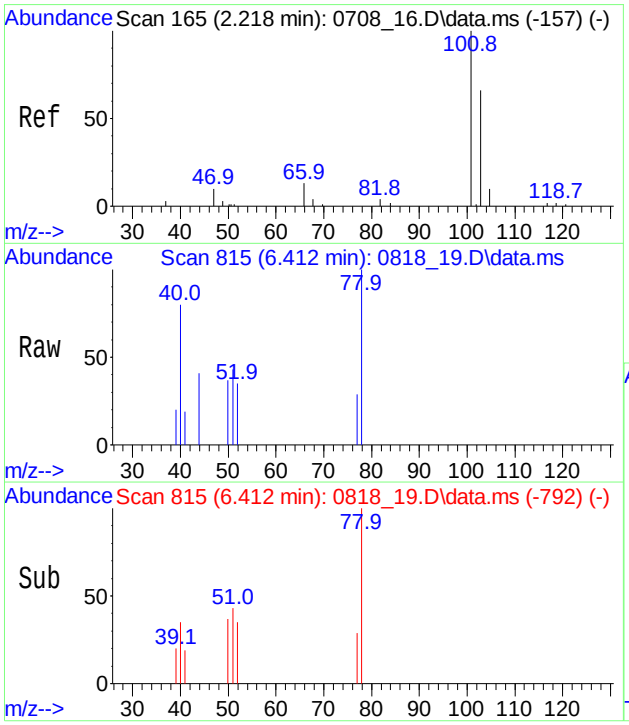


#7
Methylene Chloride
Conc: 8$ 0.998 ppbv
RT: 3.251 min Scan# 314
Delta R.T. 0.007 min
Lab File: 0818_19.D
Acq: 19 Aug 2020 2:45 am

Tgt Ion: 49 Resp: 21076

Ion	Ratio	Lower	Upper
49	100		
84	32.3	30.6	46.0
86	21.6	19.8	29.6

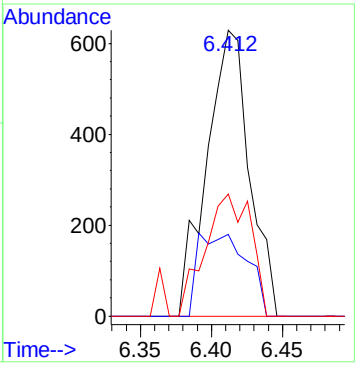


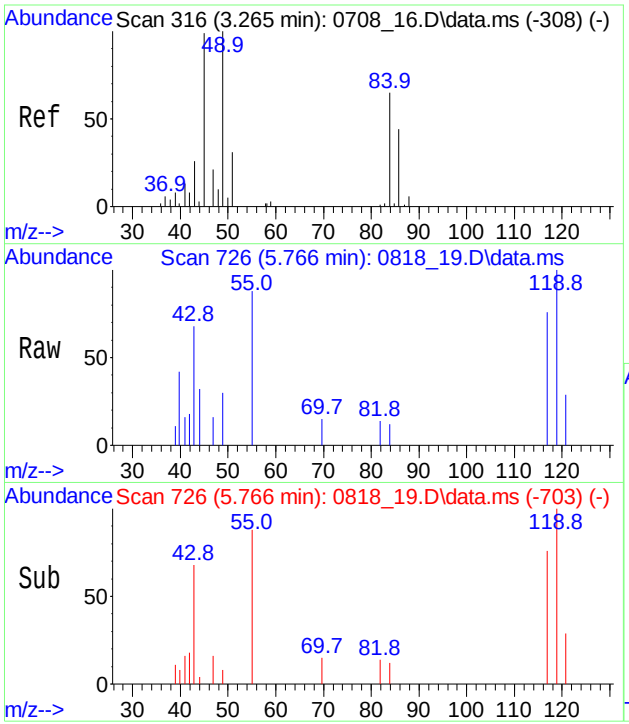


#13
Benzene
Conc: 8$ 0.051 ppbv
RT: 6.412 min Scan# 815
Delta R.T. 0.007 min
Lab File: 0818_19.D
Acq: 19 Aug 2020 2:45 am

Tgt Ion: 78 Resp: 1316

Ion	Ratio	Lower	Upper
78	100		
77	32.9	12.2	18.4#
51	45.9	31.9	47.9

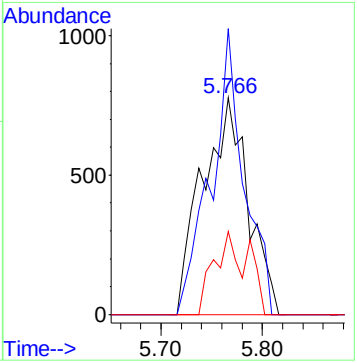


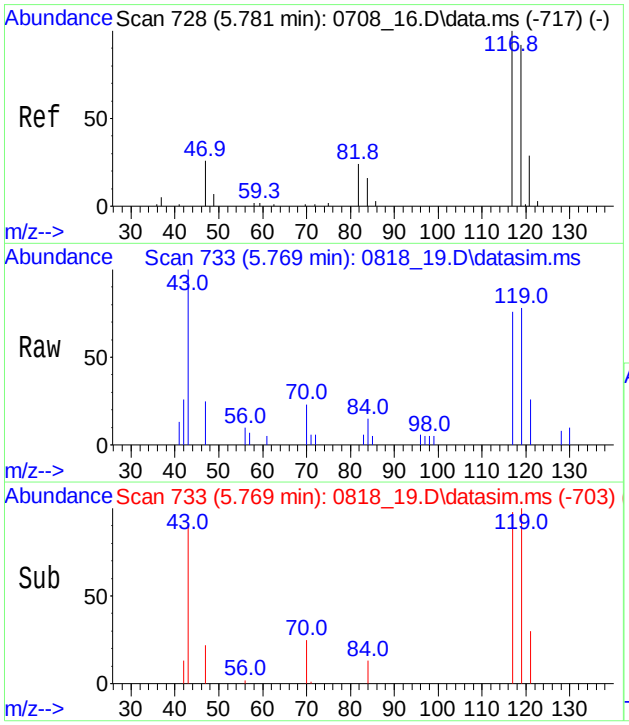


#14
Carbon Tetrachloride
Conc: 8$ Below Cal
RT: 5.766 min Scan# 726
Delta R.T. 0.015 min
Lab File: 0818_19.D
Acq: 19 Aug 2020 2:45 am

Tgt Ion:117 Resp: 2437

Ion	Ratio	Lower	Upper
117	100		
119	94.8	77.7	117.7
121	20.2	1.8	41.8

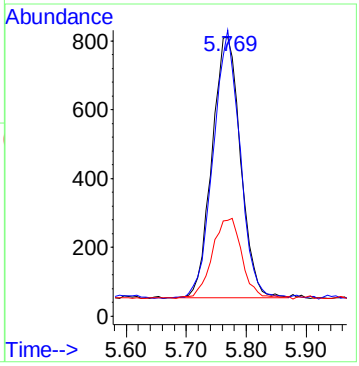




#34
Carbon Tetrachloride(sim)
Conc: 8$ 0.082 ppbv
RT: 5.769 min Scan# 733
Delta R.T. 0.015 min
Lab File: 0818_19.D
Acq: 19 Aug 2020 2:45 am

Tgt Ion:117 Resp: 2509

Ion	Ratio	Lower	Upper
117	100		
119	97.0	78.0	117.0
121	32.7	24.9	37.3



1

CLIENT ID

AIR ANALYSIS DATA SHEET

IA-02 (MANUF. E)

Client: WALDENE-IPARK Lab: Phoenix Env. Labs

SDG No.: GCG56071 Lab Sample ID: CG56077

Canister: 28623 Lab File ID: 0818_20.D

Instrument: CHEM24 Column: RTX-VMS Date Received: 08/18/20

Purge Volume 200 (cc) Date Analyzed: 08/19/20

Matrix: AIR Dilution Factor: 1

CONCENTRATION UNITS: (ppbv or ug/m3) ppbv

CAS NO.	COMPOUND	CONC.	Q	MDL	PQL	R
75-71-8	Dichlorodifluoromethane	0.828		0.200	0.200	r
67-64-1	Acetone	6.11	S	1.00	1.00	r
75-69-4	Trichlorofluoromethane	6.15		0.150	0.150	r
75-09-2	Methylene Chloride	0.400	U	0.400	0.400	r
76-13-1	Trichlorotrifluoroethane	0.150	U	0.150	0.150	r
71-55-6	1,1,1-Trichloroethane	0.200	U	0.200	0.200	r
71-43-2	Benzene	0.071		0.050	0.050	r
108-88-3	Toluene	0.200	U	0.200	0.200	r
108-90-7	Chlorobenzene	0.200	U	0.200	0.200	r
100-41-4	Ethylbenzene	0.150	U	0.150	0.150	r
95-47-6	o-Xylene	0.150	U	0.150	0.150	r
541-73-1	1,3-Dichlorobenzene	0.150	U	0.150	0.150	r
95-50-1	1,2-Dichlorobenzene	0.150	U	0.150	0.150	r
120-82-1	1,2,4-Trichlorobenzene	0.250	U	0.250	0.250	r
75-01-4	Vinyl Chloride(sim)	0.020	U	0.020	0.020	r
56-23-5	Carbon Tetrachloride(sim)	0.083		0.020	0.020	r
75-35-4	1,1-Dichloroethene(sim)	0.050	U	0.050	0.050	r
156-59-2	Cis-1,2-Dichloroethene(sim)	0.050	U	0.050	0.050	r
79-01-6	Trichloroethene(sim)	0.037	U	0.037	0.037	r
127-18-4	Tetrachloroethene(sim)	0.100	U	0.100	0.100	r
179601-23-1	m,p-Xylene(sim)	0.150	U	0.150	0.150	r
106-46-7	1,4-Dichlorobenzene(sim)	0.150	U	0.150	0.150	r

FORM I AIR

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

Quantitation Report (QT Reviewed)

Data Path : H:\AIR2020\CHEM24\08AUG\18\
Data File : 0818_20.D
Acq On : 19 Aug 2020 3:26 am
Operator : Keith
Client ID : IA-02 (MANUF. E)
Lab ID : CG56077
ALS Vial : 145 Sample Multiplier: 1

Quant Time: Dec 03 14:30:41 2020
Quant Method : H:\AIR2020\CHEM24\METHODS\24AIR_0810_wal.M
Quant Title : VOA Standards for 5 point calibration
QLast Update : Thu Dec 03 14:24:50 2020
Response via : Initial Calibration

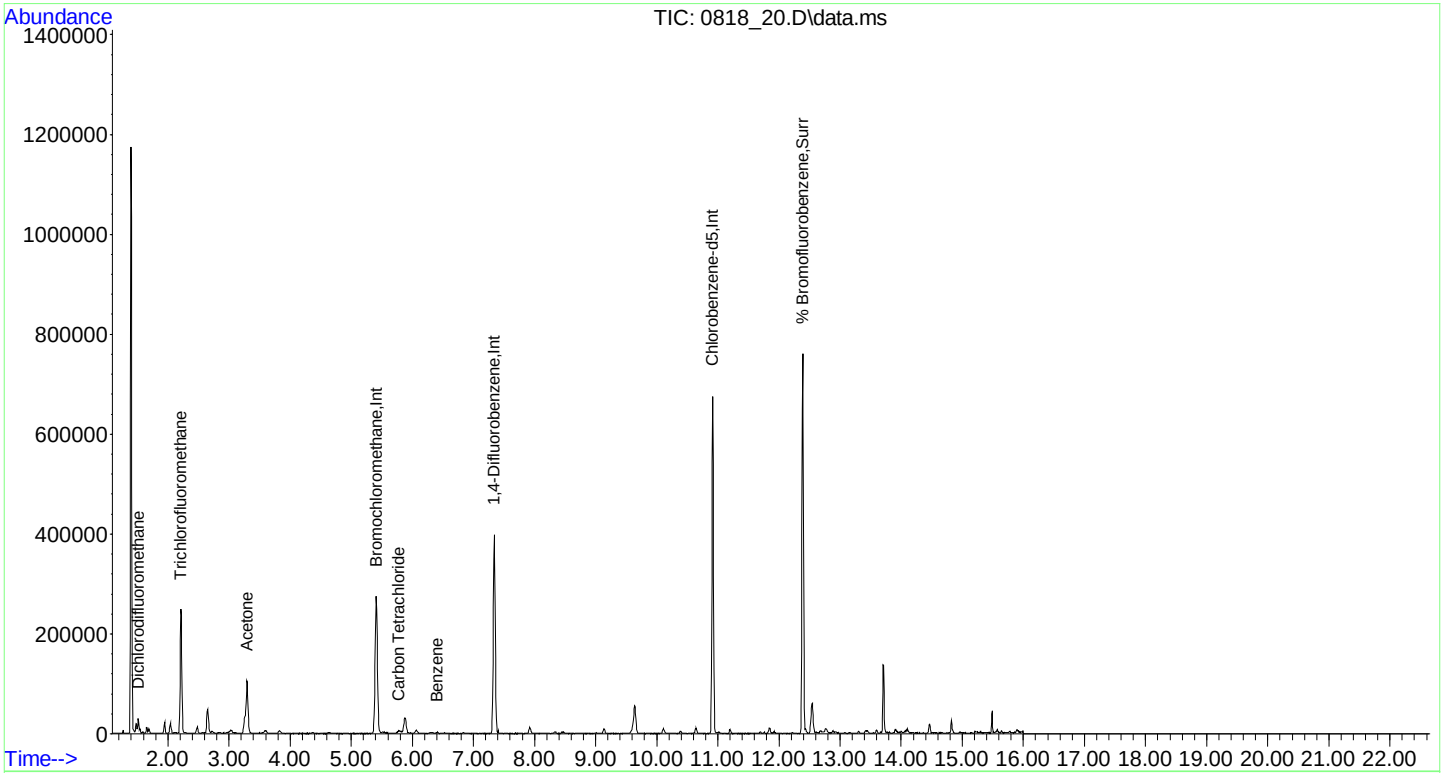
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Bromochloromethane	5.410	130	115170	10.000	ng		0.00
15) 1,4-Difluorobenzene	7.340	114	356558	10.000	ng		0.00
20) Chlorobenzene-d5	10.915	82	156567	10.000	ng		0.00
30) Bromochloromethane(sim)	5.413	130	126005	10.000	ng	#	0.00
41) 1,4-Difluorobenzene(sim)	7.340	114	356558	10.000	ng		0.00
47) Chlorobenzene-d5(sim)	10.915	82	156567	10.000	ng		0.00
System Monitoring Compounds							
25) % Bromofluorobenzene	12.389	95	240431	9.989	ppbv		0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	99.90%			
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.513	85	15502	0.828	ppbv		98
4) Acetone	3.293	43	158052	6.108	ppbv#		91
5) Trichlorofluoromethane	2.211	101	171789	6.152	ppbv		99
13) Benzene	6.409	78	1794	0.071	ppbv#		82
14) Carbon Tetrachloride	5.778	117	2284	0.084	ppbv		88
18) Toluene	9.138	91	6579	0.197	ppbv#		88
34] Carbon Tetrachloride(sim)	5.766	117	2471	0.083	ppbv		98

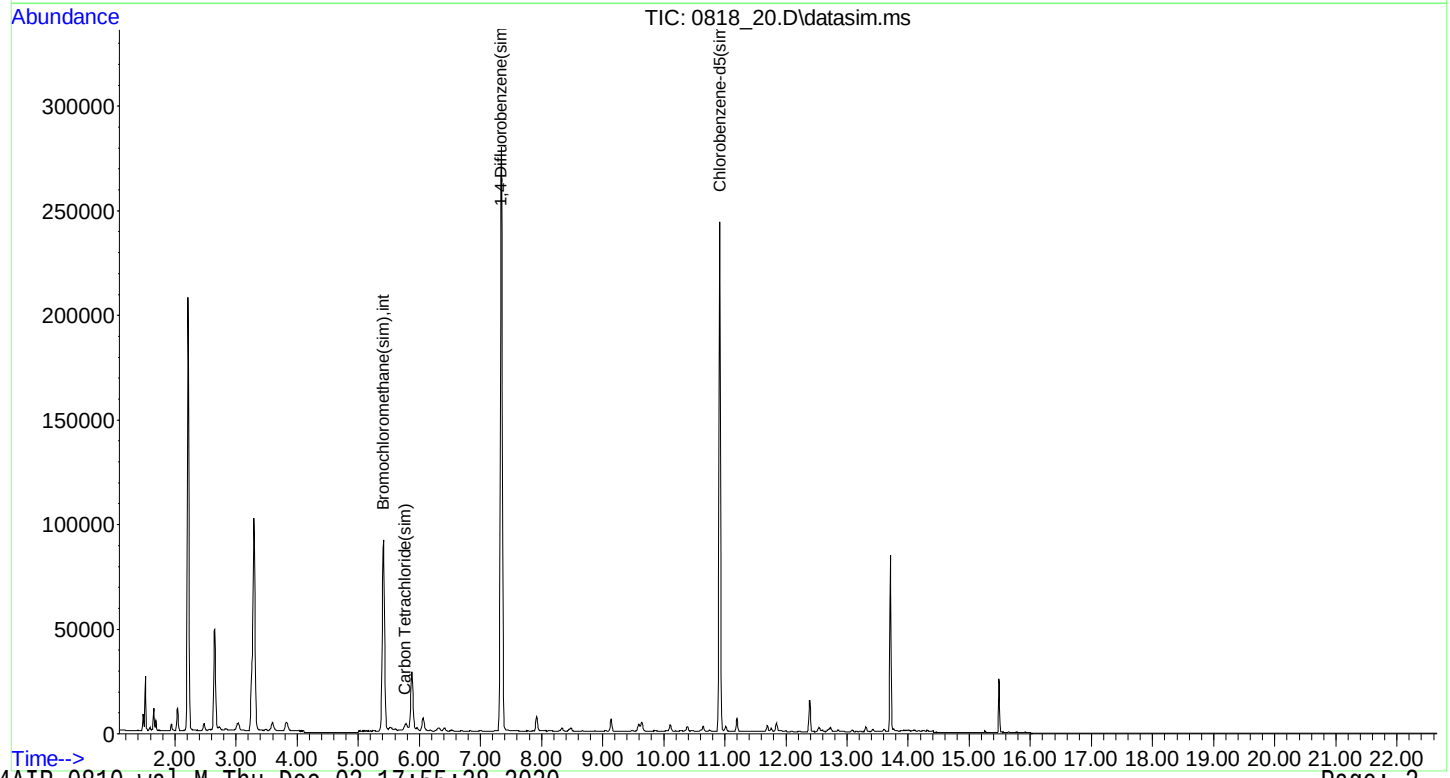
(#)out of range (m)manual integration reviewed by analyst (+)signals summed

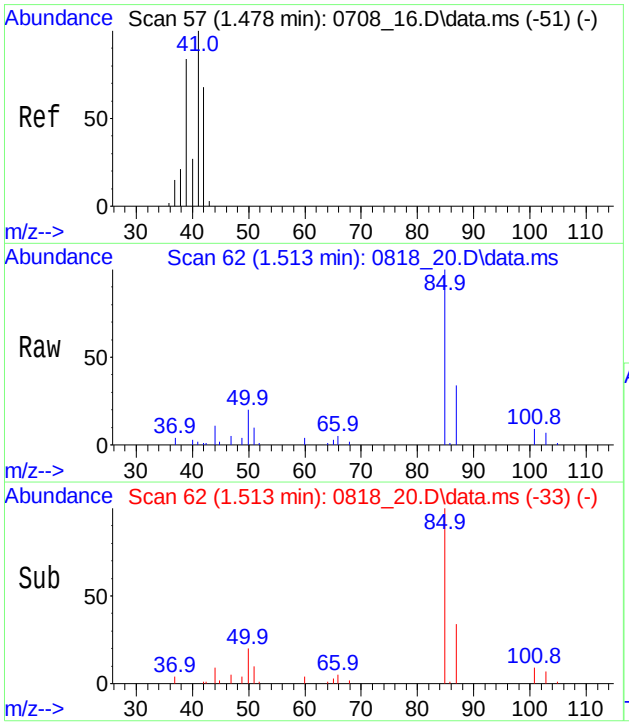
Quantitation Report (QT Reviewed)

Data Path : H:\AIR2020\CHEM24\08AUG\18\
Data File : 0818_20.D
Acq On : 19 Aug 2020 3:26 am
Operator : Keith
Client ID : IA-02 (MANUF. E)
Lab ID : CG56077
ALS Vial : 145 Sample Multiplier: 1

Quant Time: Dec 03 14:30:41 2020
Quant Method : H:\AIR2020\CHEM24\METHODS\24AIR_0810_wal.M
Quant Title : VOA Standards for 5 point calibration
QLast Update : Thu Dec 03 14:24:50 2020
Response via : Initial Calibration



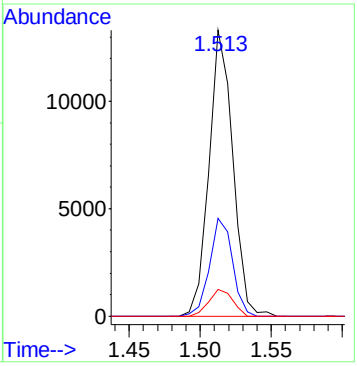


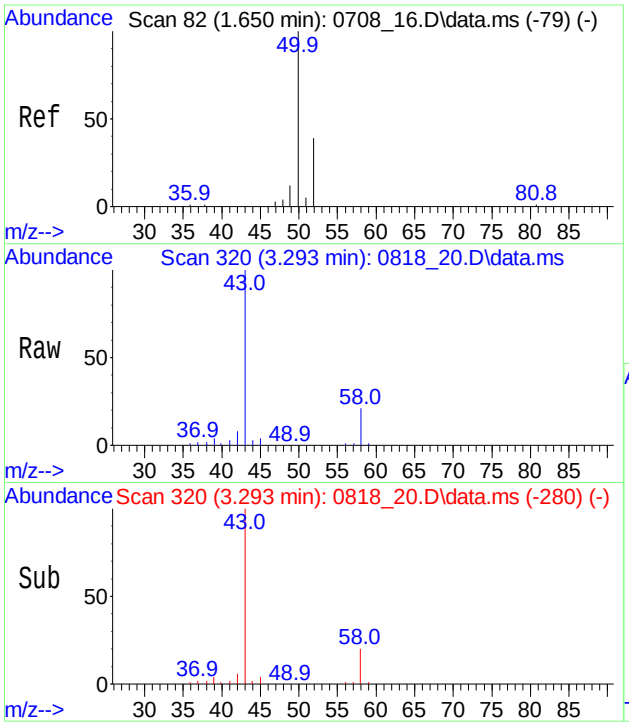


#2
Dichlorodifluoromethane
Conc: 8$ 0.828 ppbv
RT: 1.513 min Scan# 62
Delta R.T. 0.000 min
Lab File: 0818_20.D
Acq: 19 Aug 2020 3:26 am

Tgt Ion: 85 Resp: 15502

Ion	Ratio	Lower	Upper
85	100		
87	32.9	25.8	38.8
101	9.4	8.5	12.7

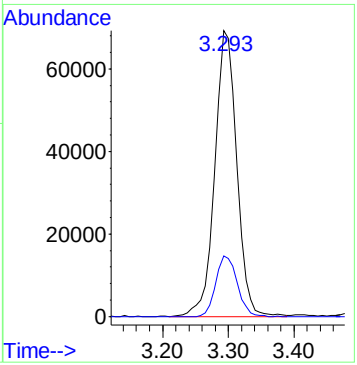


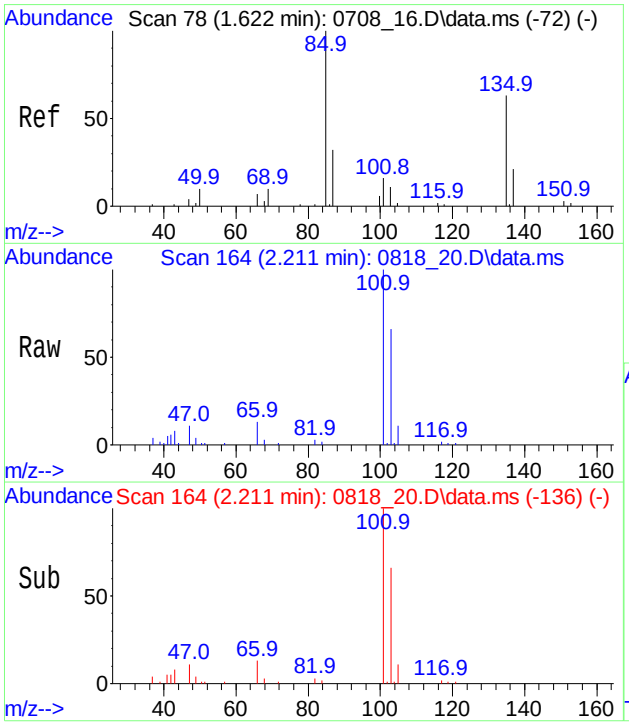


#4
Acetone
Conc: 8$ 6.108 ppbv
RT: 3.293 min Scan# 320
Delta R.T. -0.027 min
Lab File: 0818_20.D
Acq: 19 Aug 2020 3:26 am

Tgt Ion: 43 Resp: 158052

Ion	Ratio	Lower	Upper
43	100		
58	20.6	13.4	20.2#

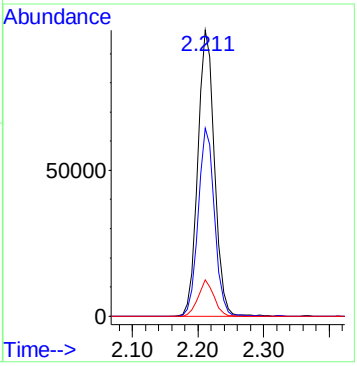


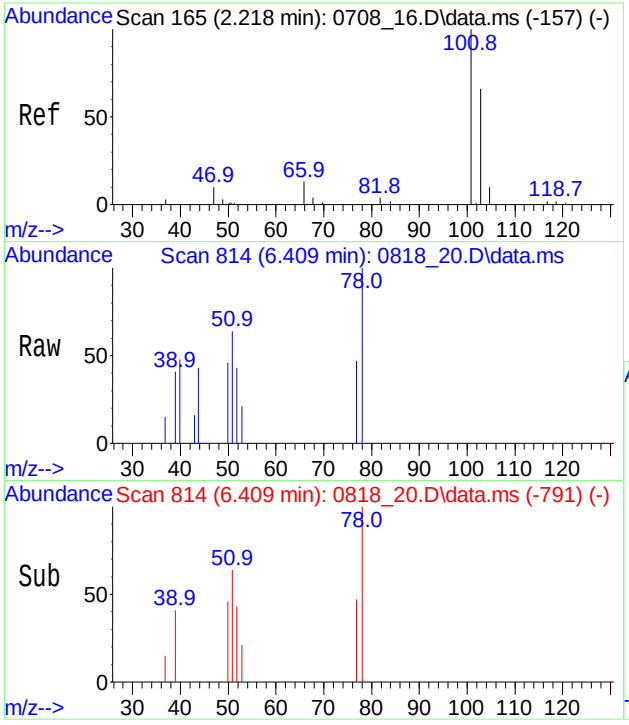


#5
Trichlorofluoromethane
Conc: 8$ 6.152 ppbv
RT: 2.211 min Scan# 164
Delta R.T. -0.007 min
Lab File: 0818_20.D
Acq: 19 Aug 2020 3:26 am

Tgt Ion:101 Resp: 171789

Ion	Ratio	Lower	Upper
101	100		
103	64.3	52.4	78.6
66	11.9	9.2	13.8

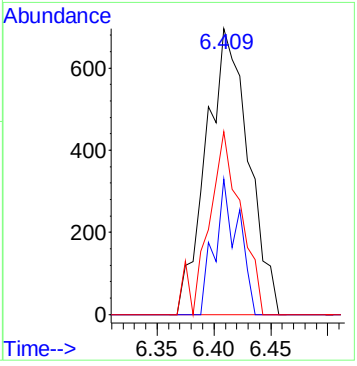


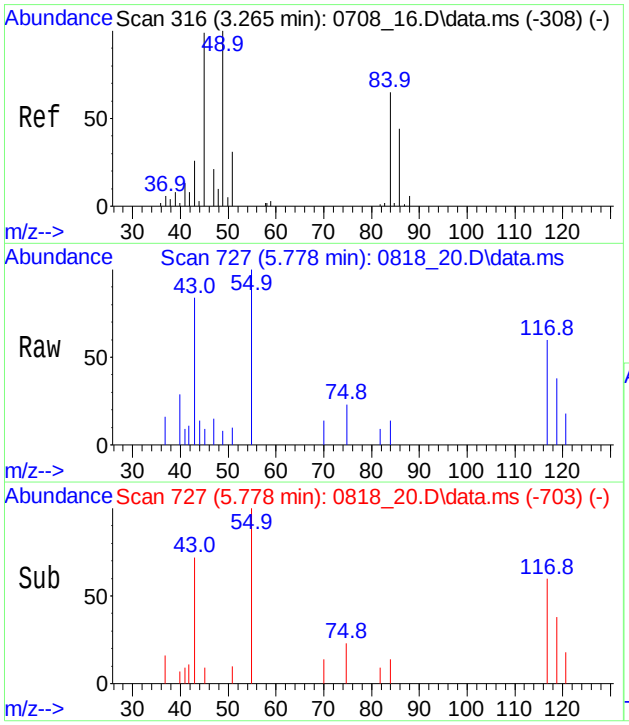


#13
Benzene
Conc: 8$ 0.071 ppbv
RT: 6.409 min Scan# 814
Delta R.T. 0.004 min
Lab File: 0818_20.D
Acq: 19 Aug 2020 3:26 am

Tgt Ion: 78 Resp: 1794

Ion	Ratio	Lower	Upper
78	100		
77	26.6	12.2	18.4#
51	49.0	31.9	47.9#

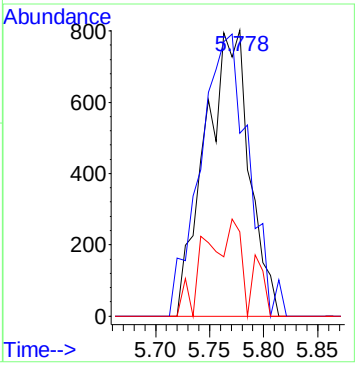


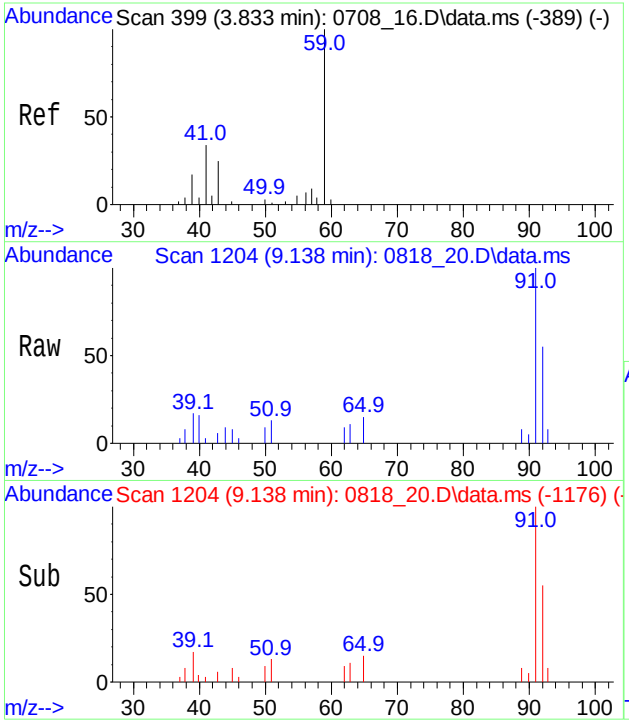


#14
Carbon Tetrachloride
Conc: 8$ Below Cal
RT: 5.778 min Scan# 727
Delta R.T. 0.026 min
Lab File: 0818_20.D
Acq: 19 Aug 2020 3:26 am

Tgt Ion:117 Resp: 2284

Ion	Ratio	Lower	Upper
117	100		
119	106.1	77.7	117.7
121	9.6	1.8	41.8

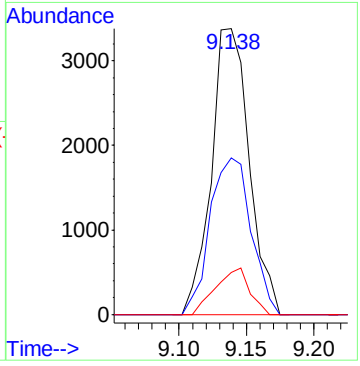


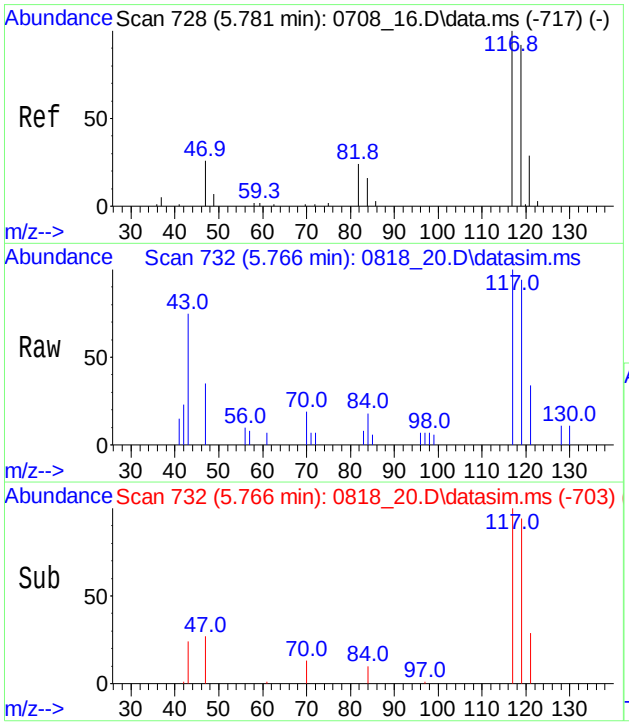


#18
Toluene
Conc: 8$ 0.197 ppbv
RT: 9.138 min Scan# 1204
Delta R.T. 0.005 min
Lab File: 0818_20.D
Acq: 19 Aug 2020 3:26 am

Tgt Ion: 91 Resp: 6579

Ion	Ratio	Lower	Upper
91	100		
92	59.5	39.4	59.0#
65	14.6	10.9	16.3

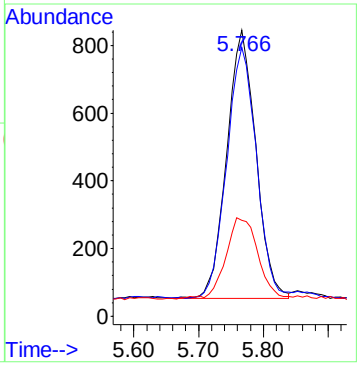




#34
Carbon Tetrachloride(sim)
Conc: 8$ 0.083 ppbv
RT: 5.766 min Scan# 732
Delta R.T. 0.012 min
Lab File: 0818_20.D
Acq: 19 Aug 2020 3:26 am

Tgt Ion:117 Resp: 2471

Ion	Ratio	Lower	Upper
117	100		
119	96.2	78.0	117.0
121	33.6	24.9	37.3



1

AIR ANALYSIS DATA SHEET

CLIENT ID: IA-04 (COMMON AREA)

Client: WALDENE-IPARK Lab: Phoenix Env. Labs

SDG No.: GCG56071 Lab Sample ID: CG56078

Canister: 9767 Lab File ID: 0818_22.D

Instrument: CHEM24 Column: RTX-VMS Date Received: 08/18/20

Purge Volume 200 (cc) Date Analyzed: 08/19/20

Matrix: AIR Dilution Factor: 1

CONCENTRATION UNITS: (ppbv or ug/m3) ppbv

CAS NO.	COMPOUND	CONC.	Q	MDL	PQL	R
75-71-8	Dichlorodifluoromethane	0.944		0.200	0.200	r
67-64-1	Acetone	7.04	S	1.00	1.00	r
75-69-4	Trichlorofluoromethane	7.46		0.150	0.150	r
75-09-2	Methylene Chloride	0.400	U	0.400	0.400	r
76-13-1	Trichlorotrifluoroethane	0.150	U	0.150	0.150	r
71-55-6	1,1,1-Trichloroethane	0.200	U	0.200	0.200	r
71-43-2	Benzene	0.088		0.050	0.050	r
108-88-3	Toluene	0.200	U	0.200	0.200	r
108-90-7	Chlorobenzene	0.200	U	0.200	0.200	r
100-41-4	Ethylbenzene	0.150	U	0.150	0.150	r
95-47-6	o-Xylene	0.150	U	0.150	0.150	r
541-73-1	1,3-Dichlorobenzene	0.150	U	0.150	0.150	r
95-50-1	1,2-Dichlorobenzene	0.150	U	0.150	0.150	r
120-82-1	1,2,4-Trichlorobenzene	0.250	U	0.250	0.250	r
75-01-4	Vinyl Chloride(sim)	0.020	U	0.020	0.020	r
56-23-5	Carbon Tetrachloride(sim)	0.084		0.020	0.020	r
75-35-4	1,1-Dichloroethene(sim)	0.050	U	0.050	0.050	r
156-59-2	Cis-1,2-Dichloroethene(sim)	0.050	U	0.050	0.050	r
79-01-6	Trichloroethene(sim)	0.037	U	0.037	0.037	r
127-18-4	Tetrachloroethene(sim)	0.100	U	0.100	0.100	r
179601-23-1	m,p-Xylene(sim)	0.150	U	0.150	0.150	r
106-46-7	1,4-Dichlorobenzene(sim)	0.150	U	0.150	0.150	r

FORM I AIR

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

Quantitation Report (QT Reviewed)

Data Path : H:\AIR2020\CHEM24\08AUG\18\
Data File : 0818_22.D
Acq On : 19 Aug 2020 4:46 am
Operator : Keith
Client ID : IA-04 (COMMON AREA)
Lab ID : CG56078
ALS Vial : 147 Sample Multiplier: 1

Quant Time: Dec 03 14:31:08 2020
Quant Method : H:\AIR2020\CHEM24\METHODS\24AIR_0810_wal.M
Quant Title : VOA Standards for 5 point calibration
QLast Update : Thu Dec 03 14:24:50 2020
Response via : Initial Calibration

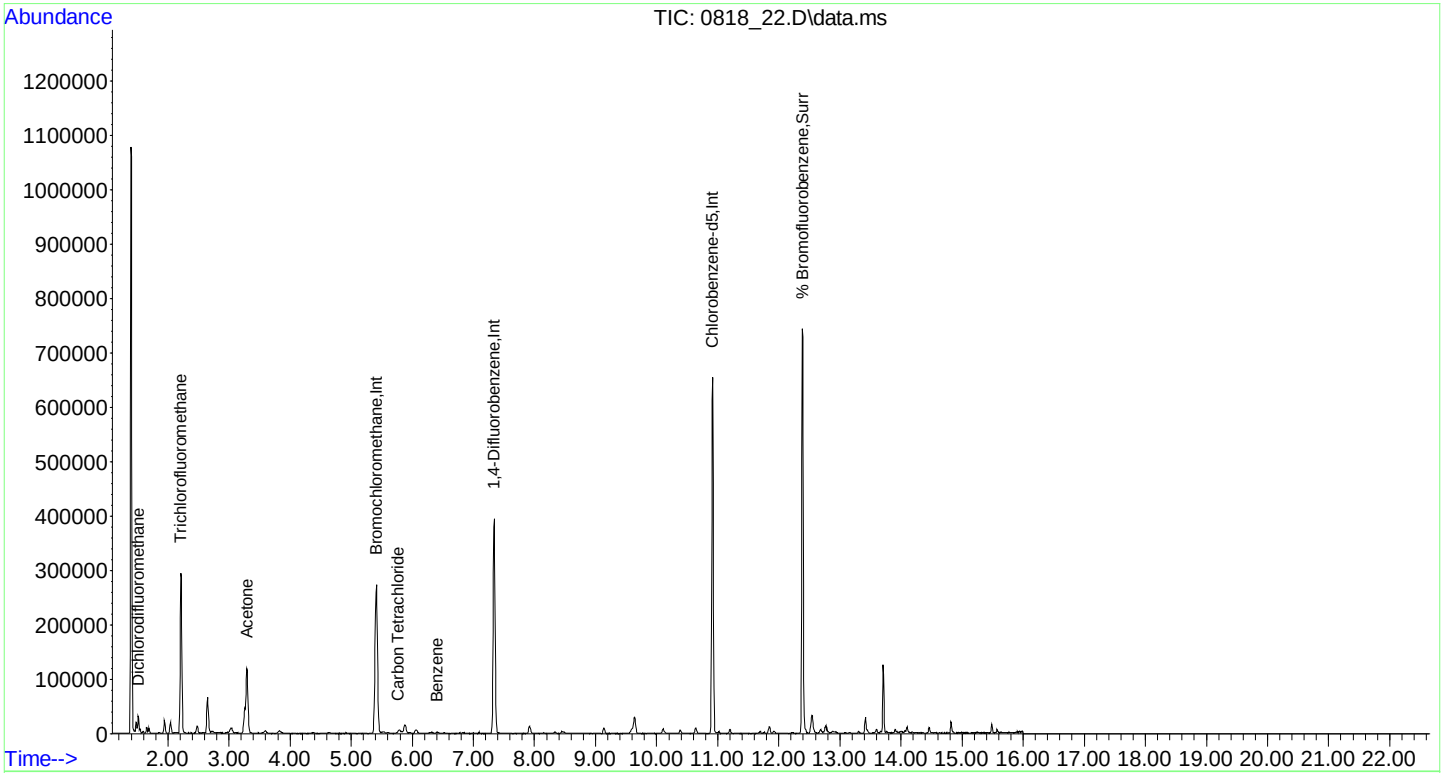
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Bromochloromethane	5.413	130	115631	10.000	ng		0.00
15) 1,4-Difluorobenzene	7.343	114	356591	10.000	ng		0.00
20) Chlorobenzene-d5	10.918	82	155795	10.000	ng		0.00
30) Bromochloromethane(sim)	5.416	130	125132	10.000	ng	#	0.00
41) 1,4-Difluorobenzene(sim)	7.343	114	356591	10.000	ng		0.00
47) Chlorobenzene-d5(sim)	10.918	82	155795	10.000	ng		0.00
System Monitoring Compounds							
25) % Bromofluorobenzene	12.385	95	238944	9.976	ppbv		0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	99.80%			
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.512	85	17743	0.944	ppbv		97
4) Acetone	3.292	43	182821	7.037	ppbv		92
5) Trichlorofluoromethane	2.211	101	209257	7.463	ppbv		99
13) Benzene	6.411	78	2212	0.088	ppbv	#	87
14) Carbon Tetrachloride	5.773	117	2336	0.086	ppbv		94
18) Toluene	9.134	91	6590	0.197	ppbv		89
34] Carbon Tetrachloride(sim)	5.762	117	2507	0.084	ppbv		99

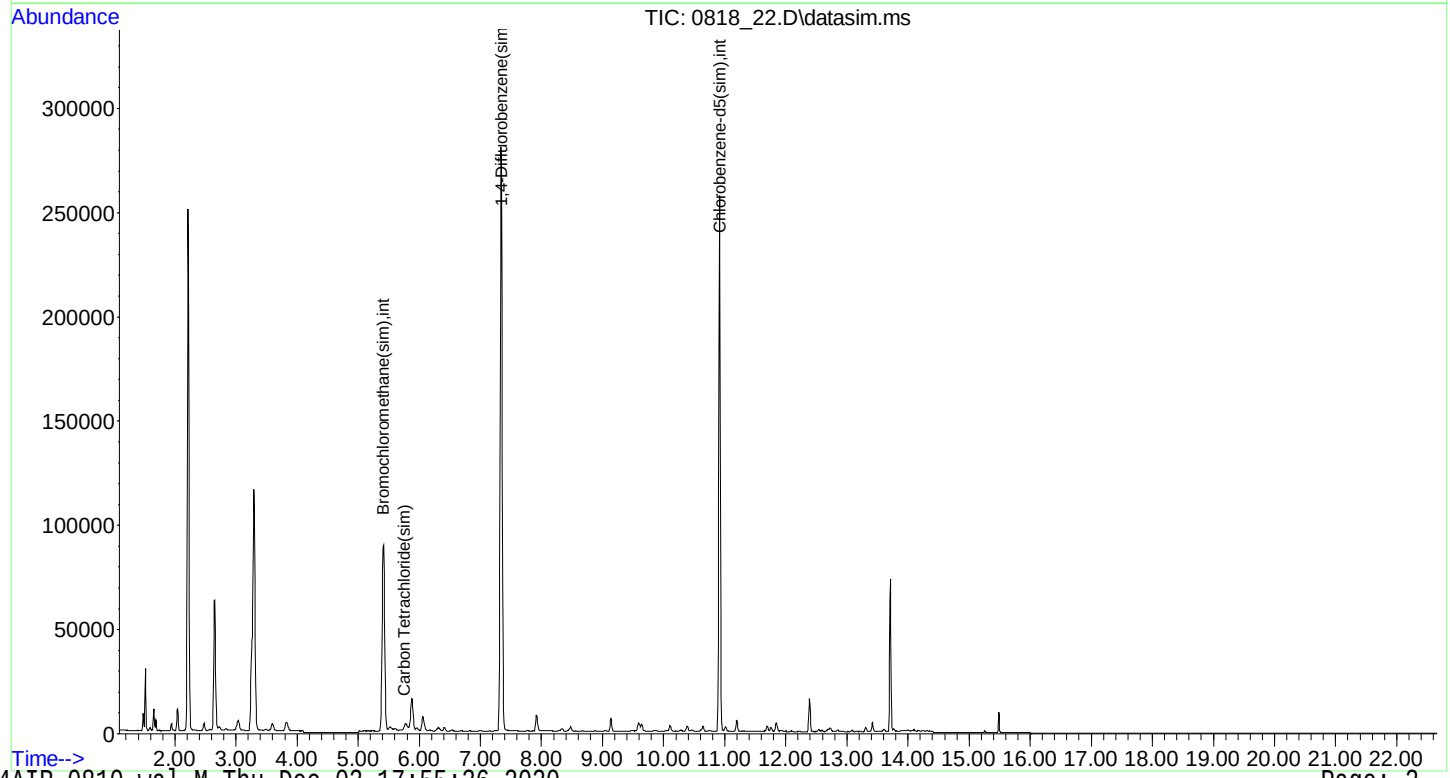
(#)out of range (m)manual integration reviewed by analyst (+)signals summed

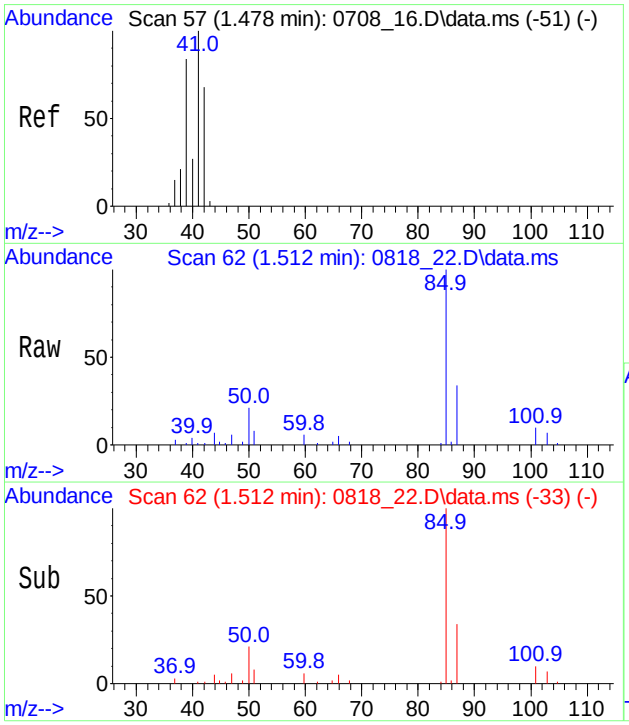
Quantitation Report (QT Reviewed)

Data Path : H:\AIR2020\CHEM24\08AUG\18\
Data File : 0818_22.D
Acq On : 19 Aug 2020 4:46 am
Operator : Keith
Client ID : IA-04 (COMMON AREA)
Lab ID : CG56078
ALS Vial : 147 Sample Multiplier: 1

Quant Time: Dec 03 14:31:08 2020
Quant Method : H:\AIR2020\CHEM24\METHODS\24AIR_0810_wal.M
Quant Title : VOA Standards for 5 point calibration
QLast Update : Thu Dec 03 14:24:50 2020
Response via : Initial Calibration



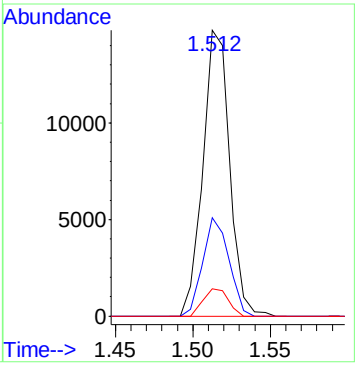


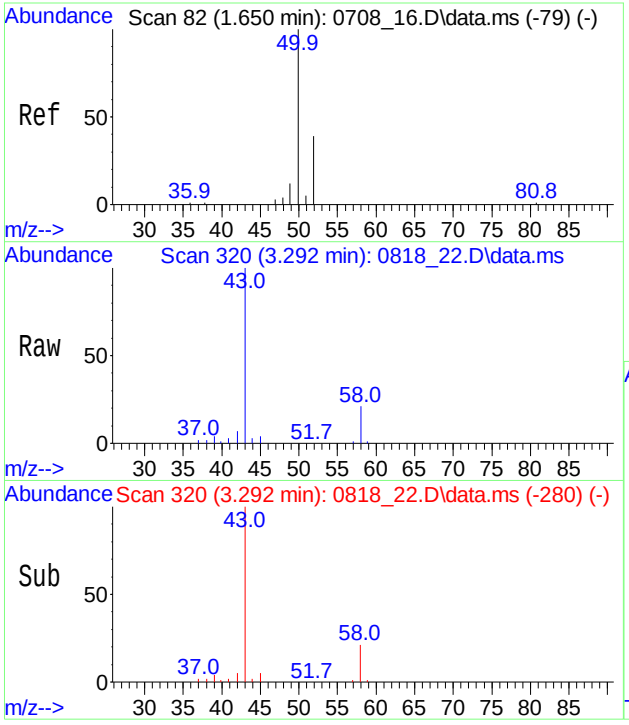


#2
Dichlorodifluoromethane
Conc: 8$ 0.944 ppbv
RT: 1.512 min Scan# 62
Delta R.T. -0.000 min
Lab File: 0818_22.D
Acq: 19 Aug 2020 4:46 am

Tgt Ion: 85 Resp: 17743

Ion	Ratio	Lower	Upper
85	100		
87	33.7	25.8	38.8
101	8.9	8.5	12.7

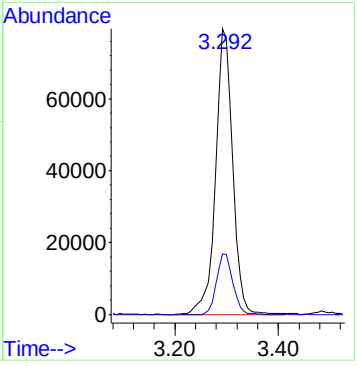


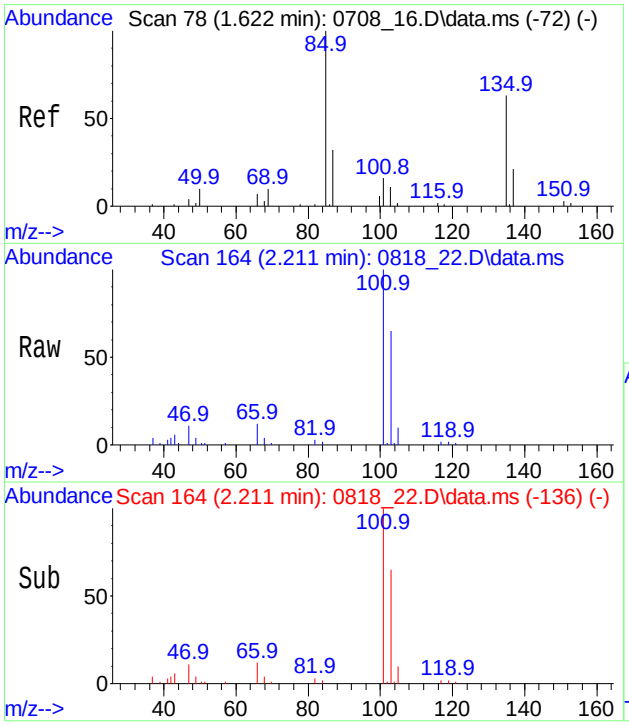


#4
Acetone
Conc: 8$ 7.037 ppbv
RT: 3.292 min Scan# 320
Delta R.T. -0.027 min
Lab File: 0818_22.D
Acq: 19 Aug 2020 4:46 am

Tgt Ion: 43 Resp: 182821

Ion	Ratio	Lower	Upper
43	100		
58	20.1	13.4	20.2

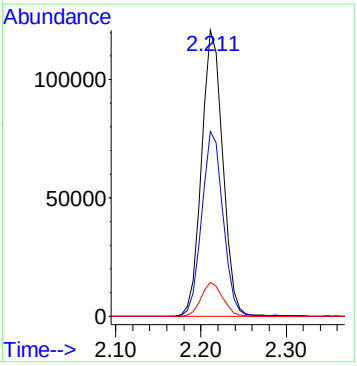


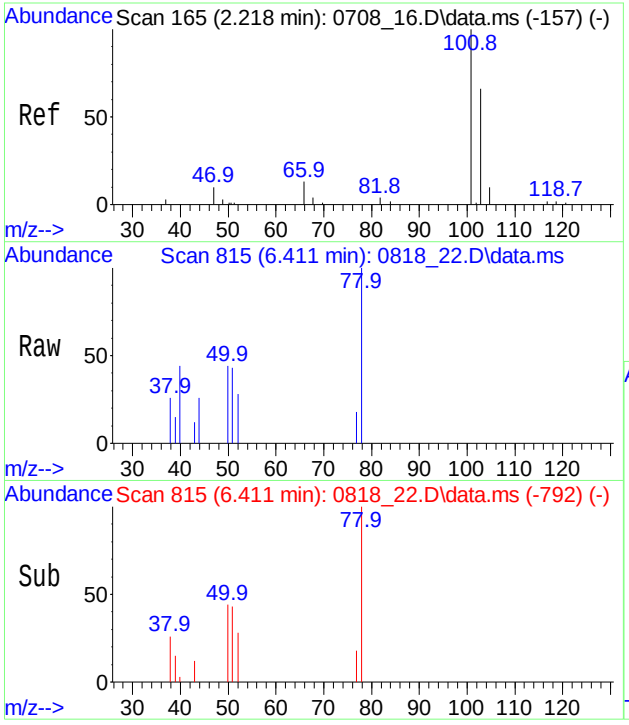


#5
Trichlorofluoromethane
Conc: 8$ 7.463 ppbv
RT: 2.211 min Scan# 164
Delta R.T. -0.007 min
Lab File: 0818_22.D
Acq: 19 Aug 2020 4:46 am

Tgt Ion:101 Resp: 209257

Ion	Ratio	Lower	Upper
101	100		
103	64.7	52.4	78.6
66	11.8	9.2	13.8

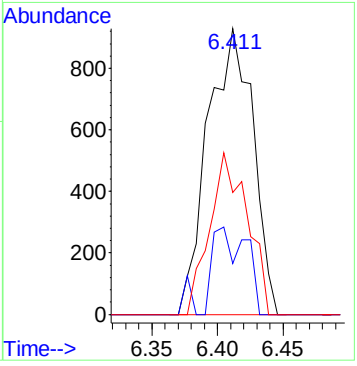


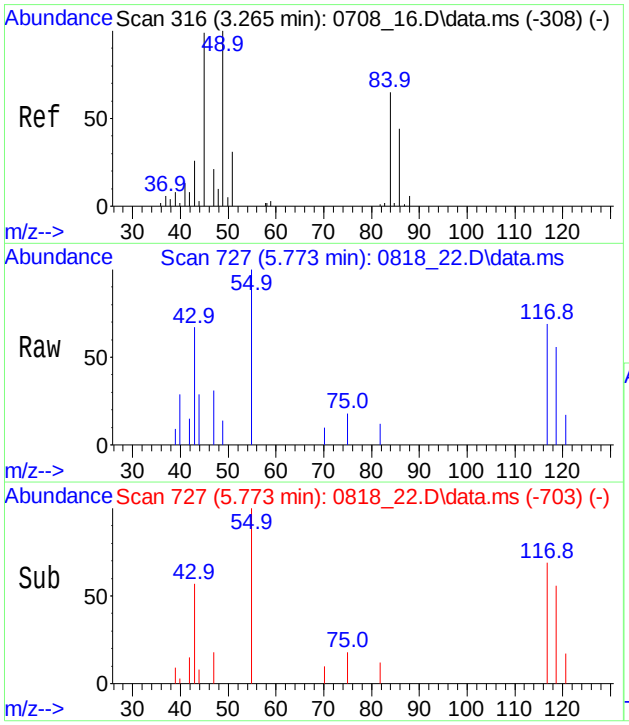


#13
Benzene
Conc: 8$ 0.088 ppbv
RT: 6.411 min Scan# 815
Delta R.T. 0.007 min
Lab File: 0818_22.D
Acq: 19 Aug 2020 4:46 am

Tgt Ion: 78 Resp: 2212

Ion	Ratio	Lower	Upper
78	100		
77	22.3	12.2	18.4#
51	47.1	31.9	47.9

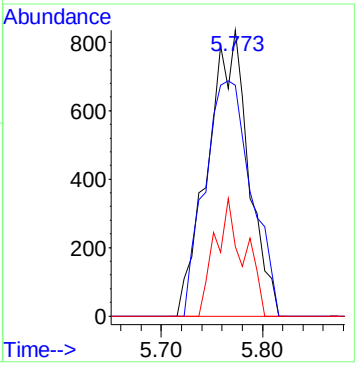


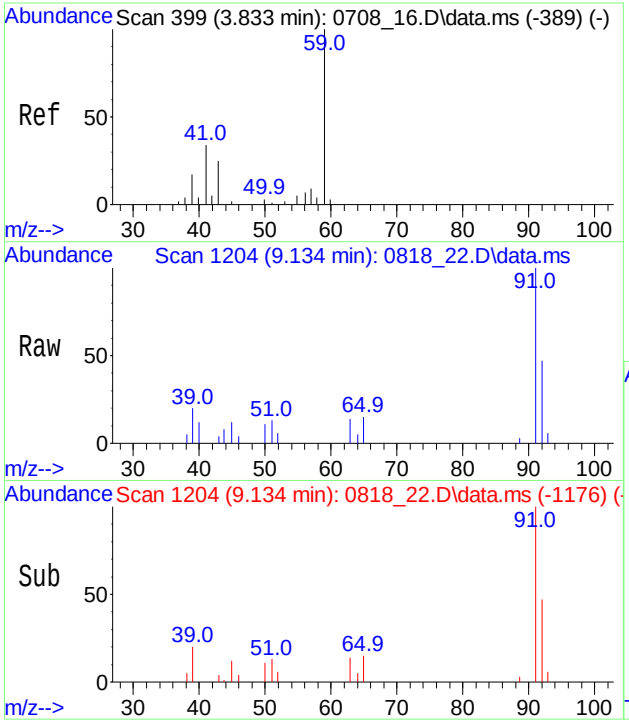


#14
Carbon Tetrachloride
Conc: 8$ Below Cal
RT: 5.773 min Scan# 727
Delta R.T. 0.022 min
Lab File: 0818_22.D
Acq: 19 Aug 2020 4:46 am

Tgt Ion:117 Resp: 2336

Ion	Ratio	Lower	Upper
117	100		
119	94.2	77.7	117.7
121	29.3	1.8	41.8

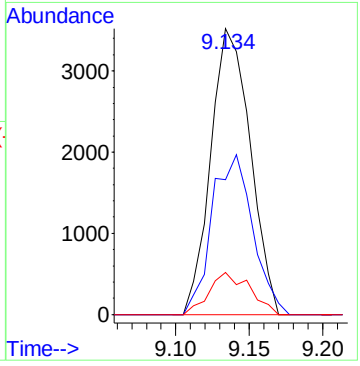


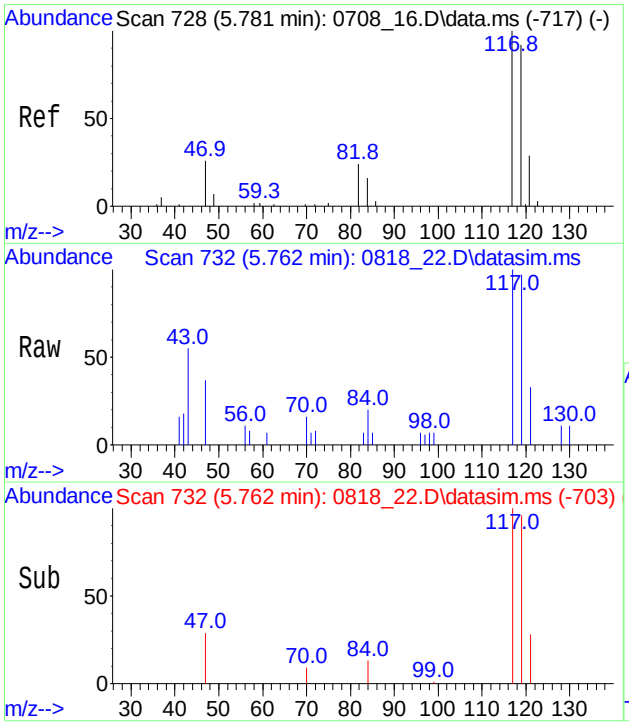


#18
Toluene
Conc: 8$ 0.197 ppbv
RT: 9.134 min Scan# 1204
Delta R.T. -0.000 min
Lab File: 0818_22.D
Acq: 19 Aug 2020 4:46 am

Tgt Ion: 91 Resp: 6590

Ion	Ratio	Lower	Upper
91	100		
92	57.7	39.4	59.0
65	15.1	10.9	16.3

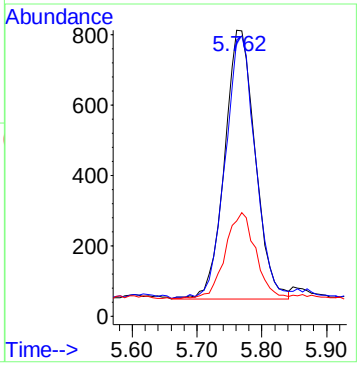




#34
Carbon Tetrachloride(sim)
Conc: 8$ 0.084 ppbv
RT: 5.762 min Scan# 732
Delta R.T. 0.007 min
Lab File: 0818_22.D
Acq: 19 Aug 2020 4:46 am

Tgt Ion:117 Resp: 2507

Ion	Ratio	Lower	Upper
117	100		
119	96.1	78.0	117.0
121	32.0	24.9	37.3



1

AIR ANALYSIS DATA SHEET

CLIENT ID: IA-05 (STORAGE)

Client: WALDENE-IPARK Lab: Phoenix Env. Labs

SDG No.: GCG56071 Lab Sample ID: CG56079

Canister: 471 Lab File ID: 0818_23.D

Instrument: CHEM24 Column: RTX-VMS Date Received: 08/18/20

Purge Volume 200 (cc) Date Analyzed: 08/19/20

Matrix: AIR Dilution Factor: 1

CONCENTRATION UNITS: (ppbv or ug/m3) ppbv

CAS NO.	COMPOUND	CONC.	Q	MDL	PQL	R
75-71-8	Dichlorodifluoromethane	0.865		0.200	0.200	r
67-64-1	Acetone	7.01	S	1.00	1.00	r
75-69-4	Trichlorofluoromethane	8.56		0.150	0.150	r
75-09-2	Methylene Chloride	0.400	U	0.400	0.400	r
76-13-1	Trichlorotrifluoroethane	0.150	U	0.150	0.150	r
71-55-6	1,1,1-Trichloroethane	0.200	U	0.200	0.200	r
71-43-2	Benzene	0.074		0.050	0.050	r
108-88-3	Toluene	0.203		0.200	0.200	r
108-90-7	Chlorobenzene	0.200	U	0.200	0.200	r
100-41-4	Ethylbenzene	0.150	U	0.150	0.150	r
95-47-6	o-Xylene	0.150	U	0.150	0.150	r
541-73-1	1,3-Dichlorobenzene	0.150	U	0.150	0.150	r
95-50-1	1,2-Dichlorobenzene	0.150	U	0.150	0.150	r
120-82-1	1,2,4-Trichlorobenzene	0.250	U	0.250	0.250	r
75-01-4	Vinyl Chloride(sim)	0.020	U	0.020	0.020	r
56-23-5	Carbon Tetrachloride(sim)	0.083		0.020	0.020	r
75-35-4	1,1-Dichloroethene(sim)	0.050	U	0.050	0.050	r
156-59-2	Cis-1,2-Dichloroethene(sim)	0.050	U	0.050	0.050	r
79-01-6	Trichloroethene(sim)	0.037	U	0.037	0.037	r
127-18-4	Tetrachloroethene(sim)	0.100	U	0.100	0.100	r
179601-23-1	m,p-Xylene(sim)	0.150	U	0.150	0.150	r
106-46-7	1,4-Dichlorobenzene(sim)	0.150	U	0.150	0.150	r

FORM I AIR

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

Quantitation Report (QT Reviewed)

Data Path : H:\AIR2020\CHEM24\08AUG\18\
Data File : 0818_23.D
Acq On : 19 Aug 2020 5:27 am
Operator : Keith
Client ID : IA-05 (STORAGE)
Lab ID : CG56079
ALS Vial : 148 Sample Multiplier: 1

Quant Time: Dec 03 14:31:18 2020
Quant Method : H:\AIR2020\CHEM24\METHODS\24AIR_0810_wal.M
Quant Title : VOA Standards for 5 point calibration
QLast Update : Thu Dec 03 14:24:50 2020
Response via : Initial Calibration

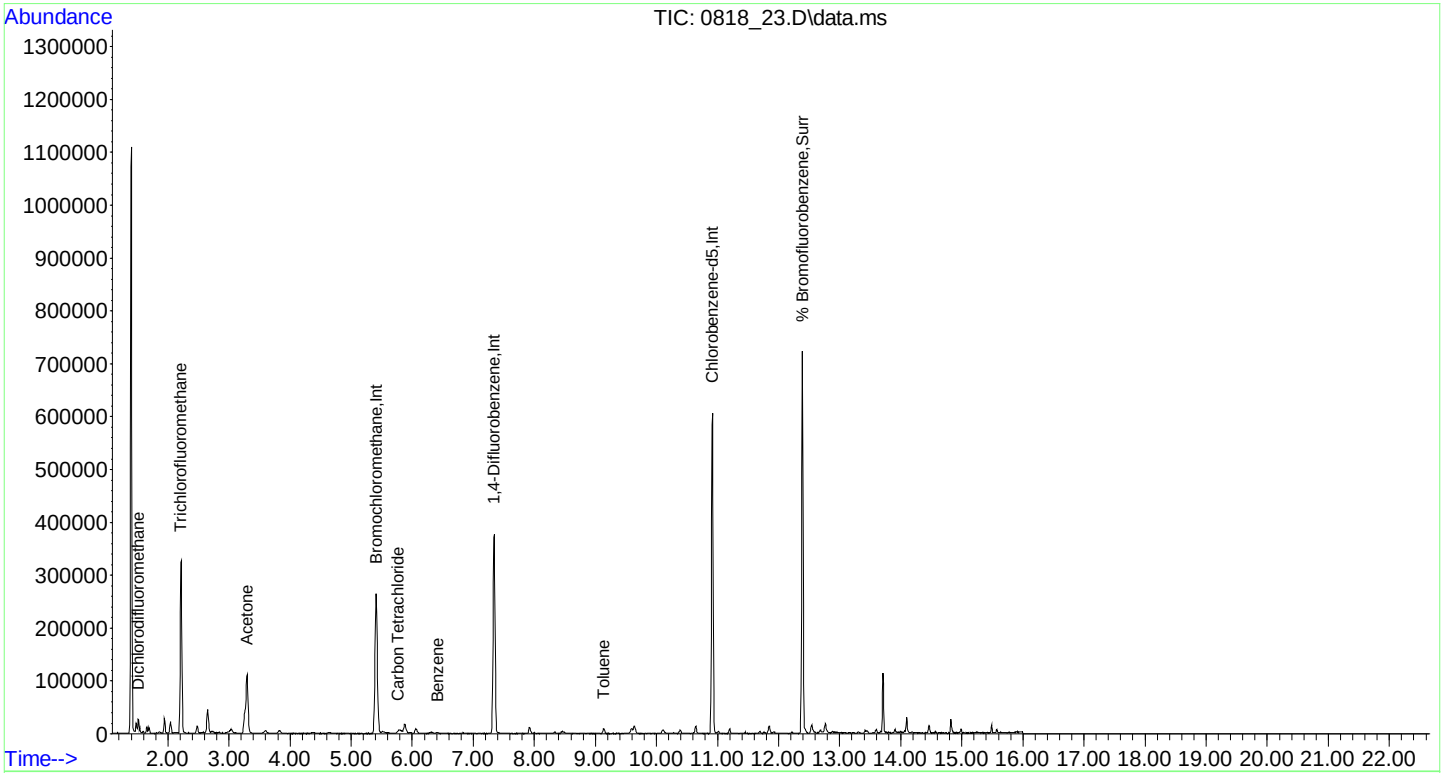
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Bromochloromethane	5.413	130	110604	10.000	ng		0.00
15) 1,4-Difluorobenzene	7.343	114	339367	10.000	ng		0.00
20) Chlorobenzene-d5	10.918	82	149789	10.000	ng		0.00
30) Bromochloromethane(sim)	5.416	130	120672	10.000	ng	#	0.00
41) 1,4-Difluorobenzene(sim)	7.343	114	339367	10.000	ng		0.00
47) Chlorobenzene-d5(sim)	10.918	82	149789	10.000	ng		0.00
System Monitoring Compounds							
25) % Bromofluorobenzene	12.391	95	230199	9.997	ppbv		0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 100.00%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.512	85	15547	0.865	ppbv		99
4) Acetone	3.299	43	174209	7.011	ppbv	#	92
5) Trichlorofluoromethane	2.211	101	229577	8.560	ppbv		100
13) Benzene	6.418	78	1778	0.074	ppbv		92
14) Carbon Tetrachloride	5.773	117	2229	0.085	ppbv		90
18) Toluene	9.134	91	6436	0.203	ppbv		91
34] Carbon Tetrachloride(sim)	5.769	117	2382	0.083	ppbv		98

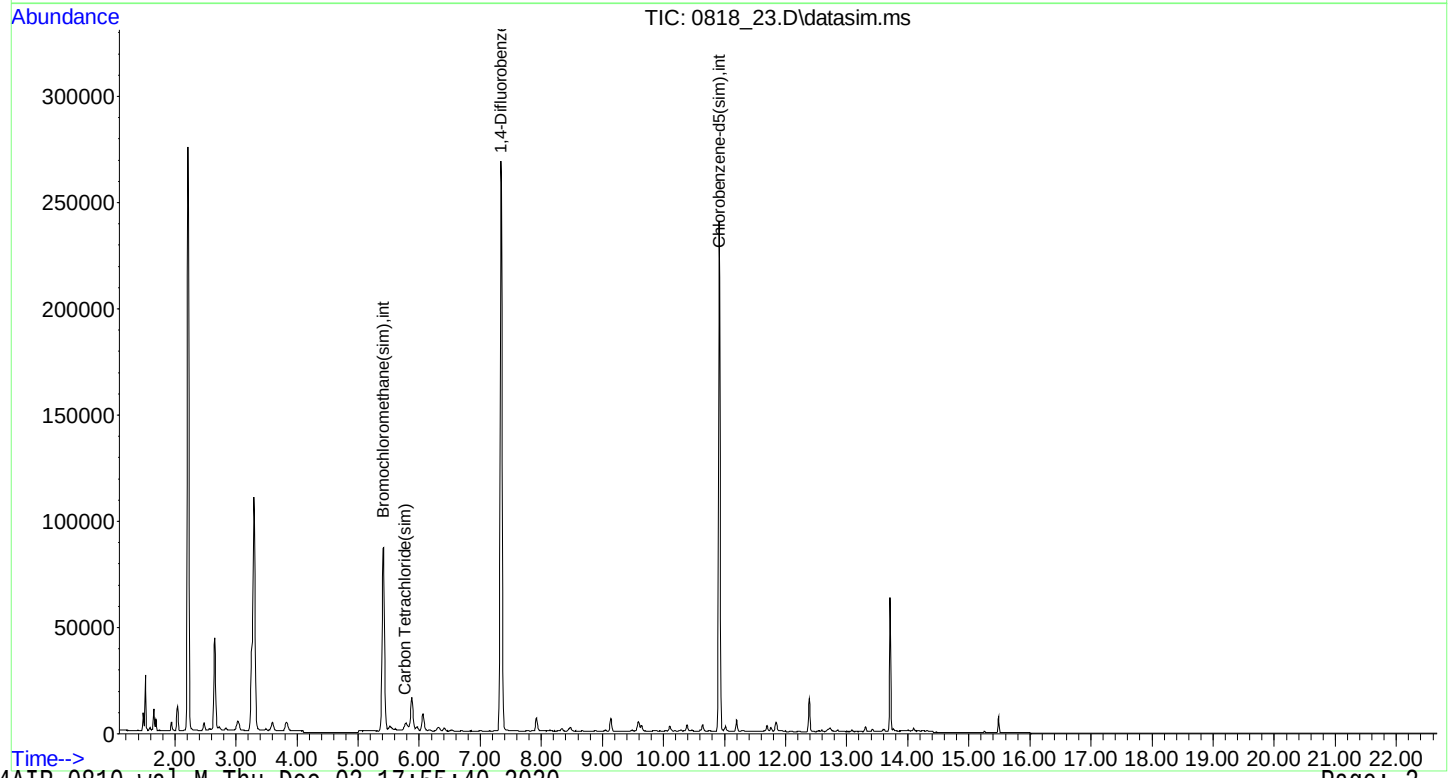
(#)out of range (m)manual integration reviewed by analyst (+)signals summed

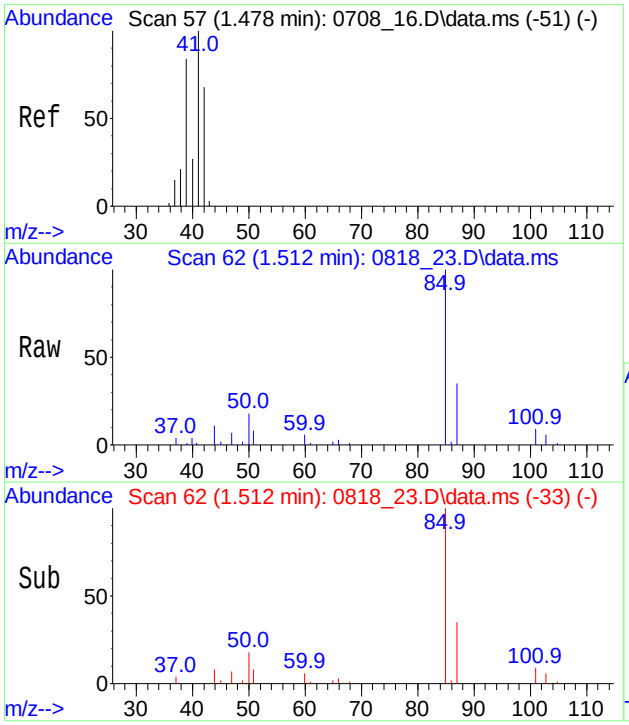
Quantitation Report (QT Reviewed)

Data Path : H:\AIR2020\CHEM24\08AUG\18\
Data File : 0818_23.D
Acq On : 19 Aug 2020 5:27 am
Operator : Keith
Client ID : IA-05 (STORAGE)
Lab ID : CG56079
ALS Vial : 148 Sample Multiplier: 1

Quant Time: Dec 03 14:31:18 2020
Quant Method : H:\AIR2020\CHEM24\METHODS\24AIR_0810_wal.M
Quant Title : VOA Standards for 5 point calibration
QLast Update : Thu Dec 03 14:24:50 2020
Response via : Initial Calibration



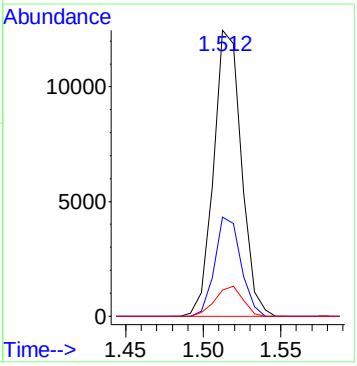


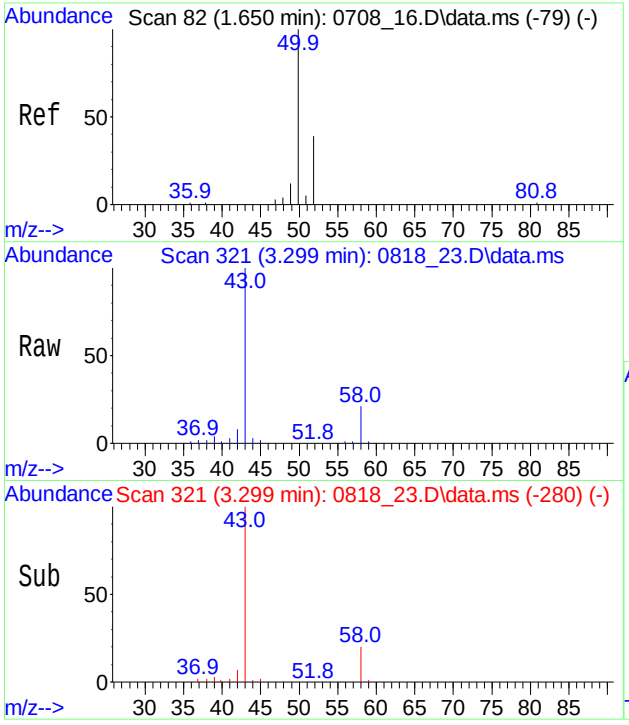


#2
Dichlorodifluoromethane
Conc: 8$ 0.865 ppbv
RT: 1.512 min Scan# 62
Delta R.T. 0.000 min
Lab File: 0818_23.D
Acq: 19 Aug 2020 5:27 am

Tgt Ion: 85 Resp: 15547

Ion	Ratio	Lower	Upper
85	100		
87	32.6	25.8	38.8
101	10.4	8.5	12.7

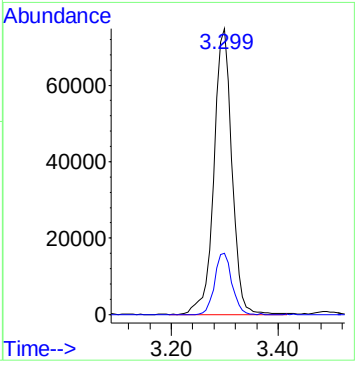


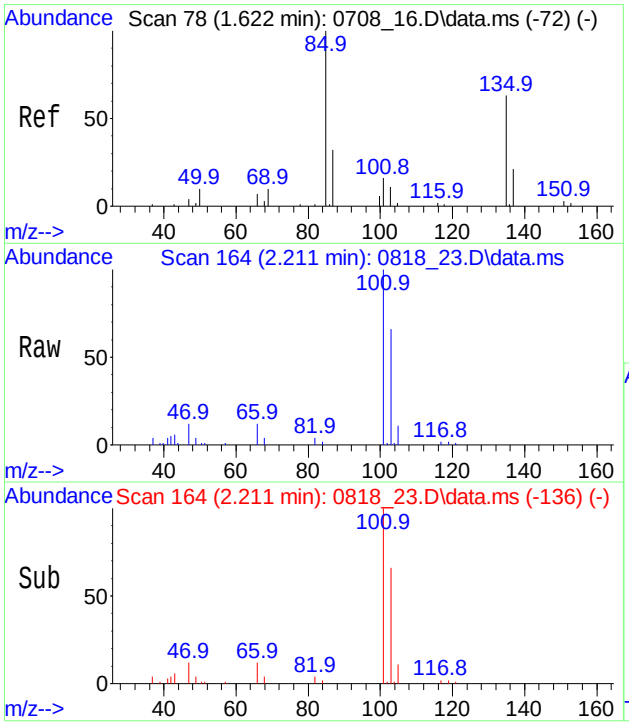


#4
Acetone
Conc: 8$ 7.011 ppbv
RT: 3.299 min Scan# 321
Delta R.T. -0.020 min
Lab File: 0818_23.D
Acq: 19 Aug 2020 5:27 am

Tgt Ion: 43 Resp: 174209

Ion	Ratio	Lower	Upper
43	100		
58	20.4	13.4	20.2#

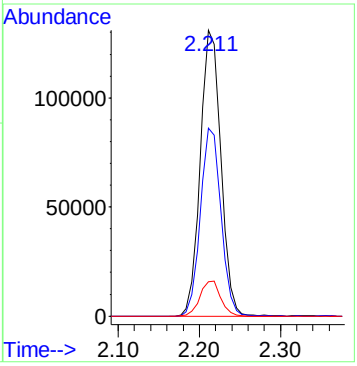


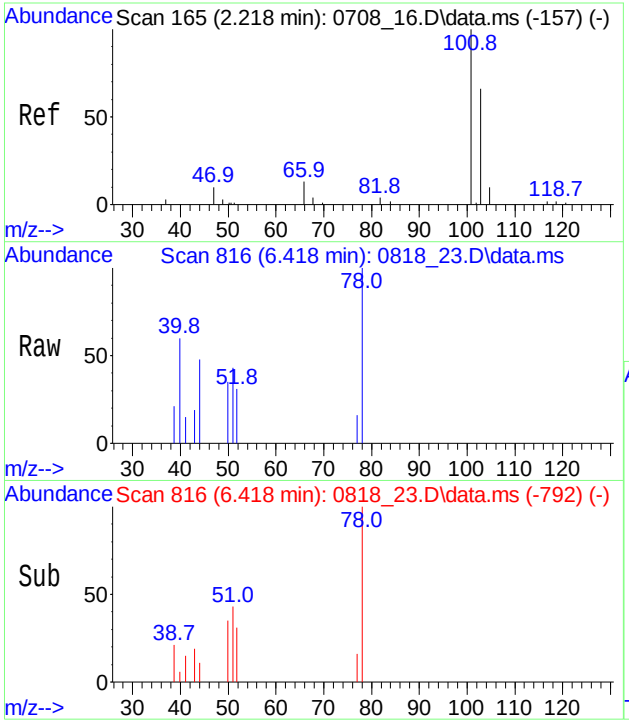


#5
Trichlorofluoromethane
Conc: 8$ 8.560 ppbv
RT: 2.211 min Scan# 164
Delta R.T. -0.007 min
Lab File: 0818_23.D
Acq: 19 Aug 2020 5:27 am

Tgt Ion:101 Resp: 229577

Ion	Ratio	Lower	Upper
101	100		
103	65.5	52.4	78.6
66	12.2	9.2	13.8

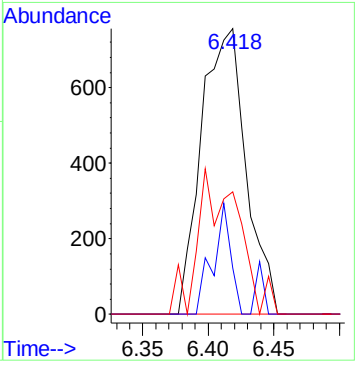


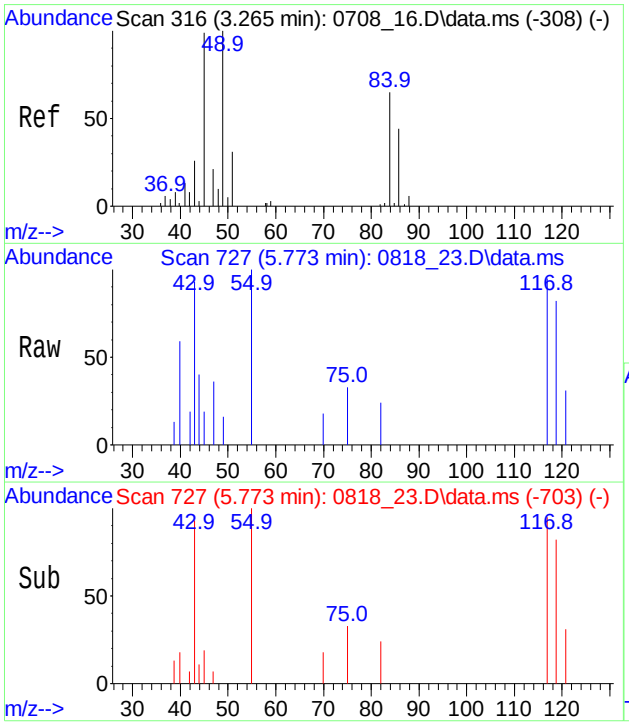


#13
Benzene
Conc: 8$ 0.074 ppbv
RT: 6.418 min Scan# 816
Delta R.T. 0.014 min
Lab File: 0818_23.D
Acq: 19 Aug 2020 5:27 am

Tgt Ion: 78 Resp: 1778

Ion	Ratio	Lower	Upper
78	100		
77	15.4	12.2	18.4
51	46.5	31.9	47.9

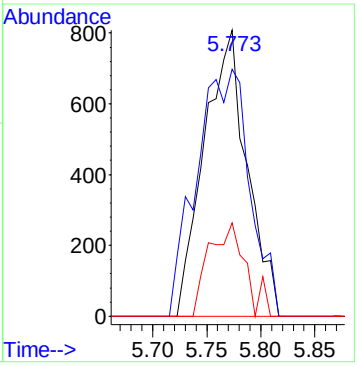


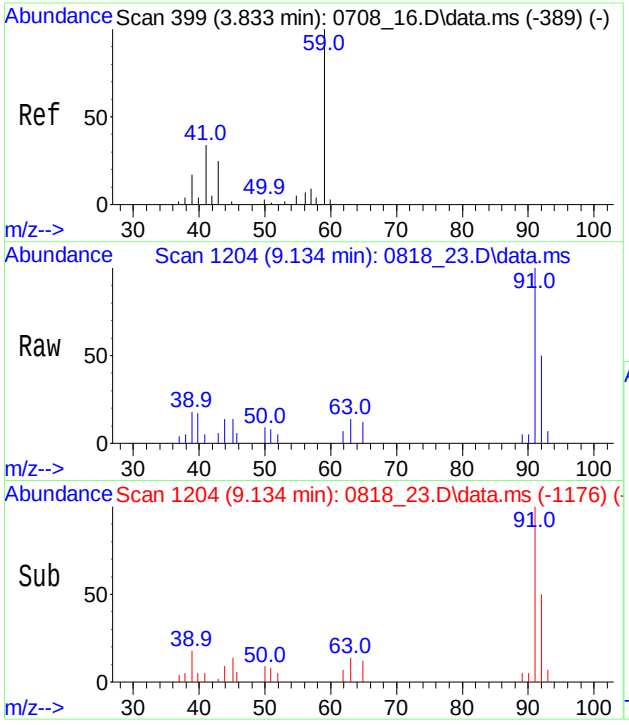


#14
Carbon Tetrachloride
Conc: 8$ Below Cal
RT: 5.773 min Scan# 727
Delta R.T. 0.022 min
Lab File: 0818_23.D
Acq: 19 Aug 2020 5:27 am

Tgt Ion:117 Resp: 2229

Ion	Ratio	Lower	Upper
117	100		
119	107.3	77.7	117.7
121	27.7	1.8	41.8

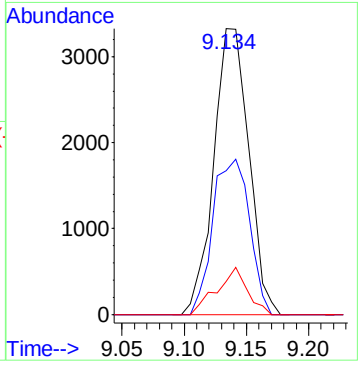


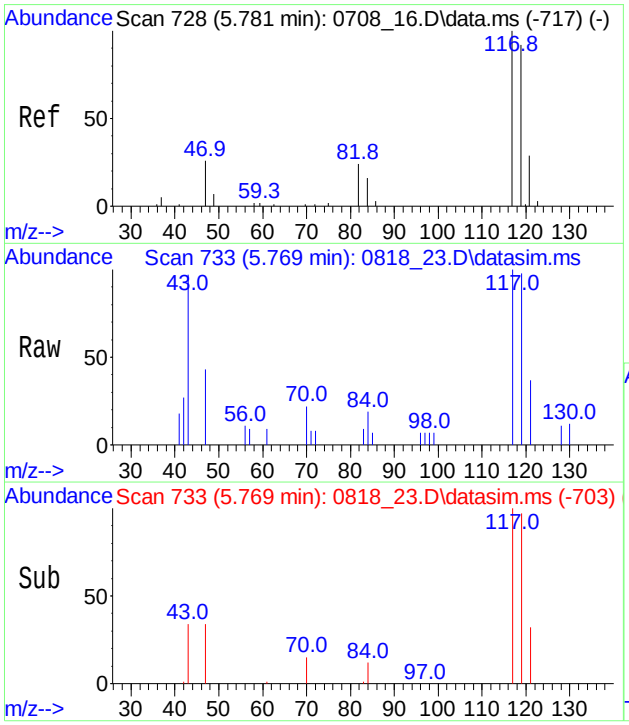


#18
Toluene
Conc: 8$ 0.203 ppbv
RT: 9.134 min Scan# 1204
Delta R.T. 0.000 min
Lab File: 0818_23.D
Acq: 19 Aug 2020 5:27 am

Tgt Ion: 91 Resp: 6436

Ion	Ratio	Lower	Upper
91	100		
92	56.9	39.4	59.0
65	14.4	10.9	16.3

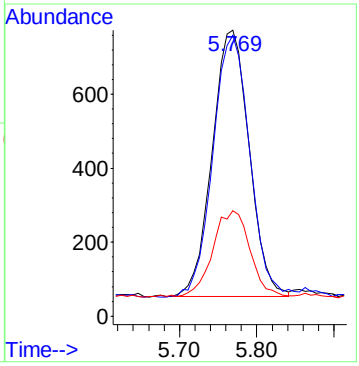




#34
Carbon Tetrachloride(sim)
Conc: 8$ 0.083 ppbv
RT: 5.769 min Scan# 733
Delta R.T. 0.014 min
Lab File: 0818_23.D
Acq: 19 Aug 2020 5:27 am

Tgt Ion:117 Resp: 2382

Ion	Ratio	Lower	Upper
117	100		
119	98.7	78.0	117.0
121	32.5	24.9	37.3



1

AIR ANALYSIS DATA SHEET

CLIENT ID: -06 (FUTURE COMMON ARE

Client: WALDENE-IPARK Lab: Phoenix Env. Labs

SDG No.: GCG56071 Lab Sample ID: CG56080

Canister: 23352 Lab File ID: 0818_24.D

Instrument: CHEM24 Column: RTX-VMS Date Received: 08/18/20

Purge Volume 200 (cc) Date Analyzed: 08/19/20

Matrix: AIR Dilution Factor: 1

CONCENTRATION UNITS: (ppbv or ug/m3) ppbv

CAS NO.	COMPOUND	CONC.	Q	MDL	PQL	R
75-71-8	Dichlorodifluoromethane	0.763		0.200	0.200	r
67-64-1	Acetone	12.9	S	1.00	1.00	r
75-69-4	Trichlorofluoromethane	5.04		0.150	0.150	r
75-09-2	Methylene Chloride	0.400	U	0.400	0.400	r
76-13-1	Trichlorotrifluoroethane	0.150	U	0.150	0.150	r
71-55-6	1,1,1-Trichloroethane	0.200	U	0.200	0.200	r
71-43-2	Benzene	0.086		0.050	0.050	r
108-88-3	Toluene	0.269		0.200	0.200	r
108-90-7	Chlorobenzene	0.200	U	0.200	0.200	r
100-41-4	Ethylbenzene	0.150	U	0.150	0.150	r
95-47-6	o-Xylene	0.150	U	0.150	0.150	r
541-73-1	1,3-Dichlorobenzene	0.150	U	0.150	0.150	r
95-50-1	1,2-Dichlorobenzene	0.150	U	0.150	0.150	r
120-82-1	1,2,4-Trichlorobenzene	0.250	U	0.250	0.250	r
75-01-4	Vinyl Chloride(sim)	0.020	U	0.020	0.020	r
56-23-5	Carbon Tetrachloride(sim)	0.086		0.020	0.020	r
75-35-4	1,1-Dichloroethene(sim)	0.050	U	0.050	0.050	r
156-59-2	Cis-1,2-Dichloroethene(sim)	0.050	U	0.050	0.050	r
79-01-6	Trichloroethene(sim)	0.037	U	0.037	0.037	r
127-18-4	Tetrachloroethene(sim)	0.100	U	0.100	0.100	r
179601-23-1	m,p-Xylene(sim)	0.150	U	0.150	0.150	r
106-46-7	1,4-Dichlorobenzene(sim)	0.150	U	0.150	0.150	r

FORM I AIR

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

Quantitation Report (QT Reviewed)

Data Path : H:\AIR2020\CHEM24\08AUG\18\
Data File : 0818_24.D
Acq On : 19 Aug 2020 6:08 am
Operator : Keith
Client ID : IA-06 (FUTURE COMMON AREA)
Lab ID : CG56080
ALS Vial : 149 Sample Multiplier: 1

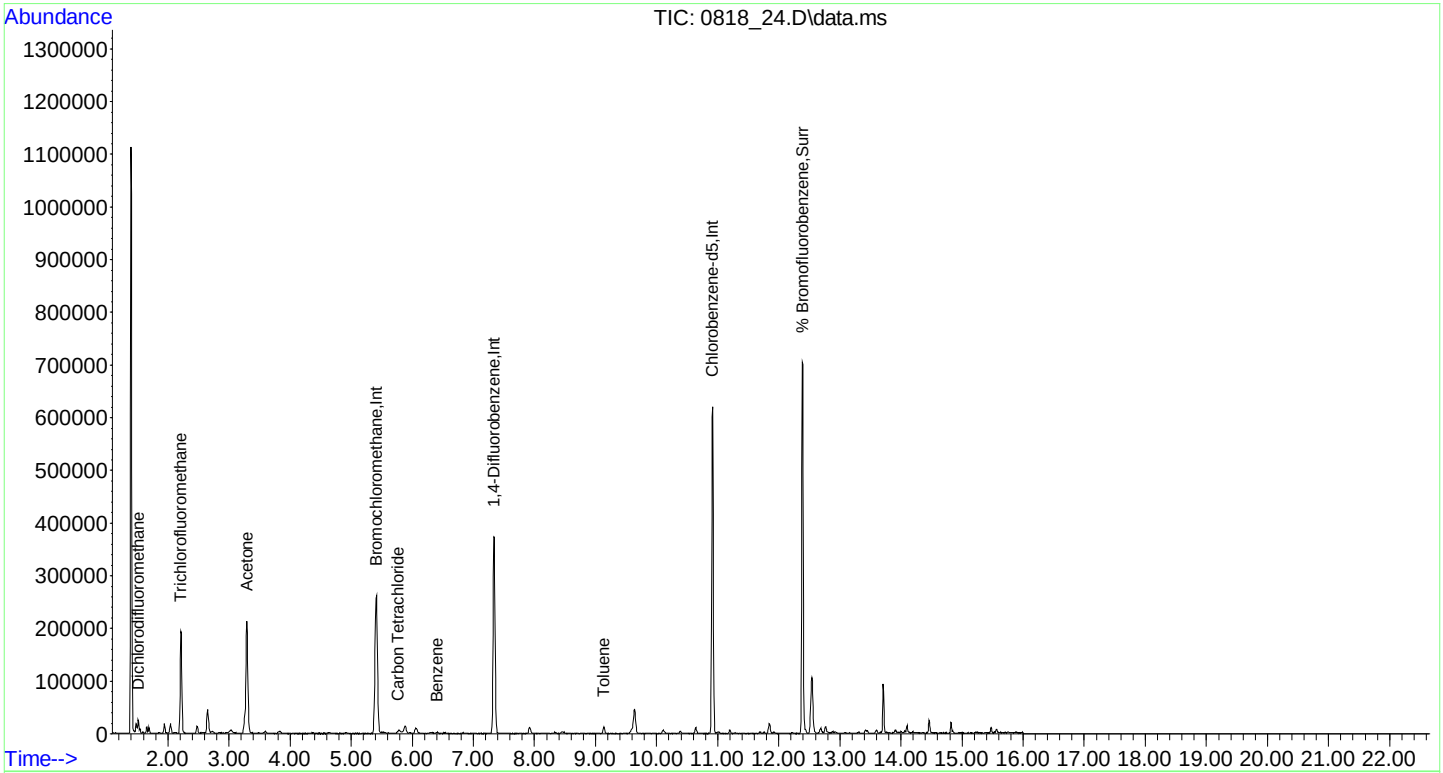
Quant Time: Dec 03 14:31:29 2020
Quant Method : H:\AIR2020\CHEM24\METHODS\24AIR_0810_wal.M
Quant Title : VOA Standards for 5 point calibration
QLast Update : Thu Dec 03 14:24:50 2020
Response via : Initial Calibration

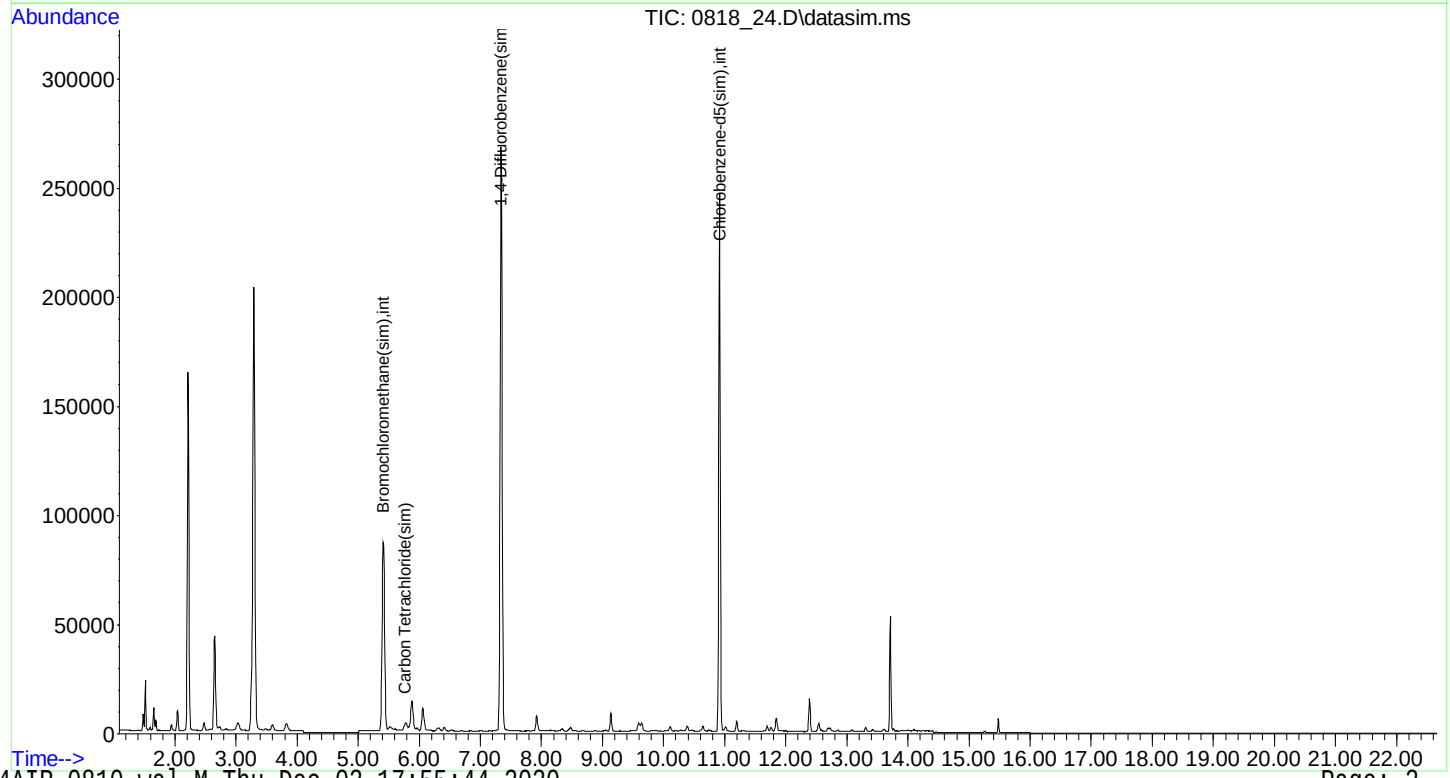
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Bromochloromethane	5.413	130	109951	10.000	ng		0.00
15) 1,4-Difluorobenzene	7.336	114	339344	10.000	ng		0.00
20) Chlorobenzene-d5	10.918	82	150530	10.000	ng		0.00
30) Bromochloromethane(sim)	5.409	130	120115	10.000	ng	#	0.00
41) 1,4-Difluorobenzene(sim)	7.336	114	339344	10.000	ng		0.00
47) Chlorobenzene-d5(sim)	10.918	82	150530	10.000	ng		0.00
System Monitoring Compounds							
25) % Bromofluorobenzene	12.385	95	227639	9.837	ppbv		0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 98.40%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.513	85	13642	0.763	ppbv		95
4) Acetone	3.292	43	318500	12.893	ppbv#		91
5) Trichlorofluoromethane	2.211	101	134252	5.036	ppbv		98
13) Benzene	6.412	78	2074	0.086	ppbv#		85
14) Carbon Tetrachloride	5.773	117	2281	0.088	ppbv		91
18) Toluene	9.134	91	8541	0.269	ppbv#		88
34] Carbon Tetrachloride(sim)	5.769	117	2453	0.086	ppbv		100

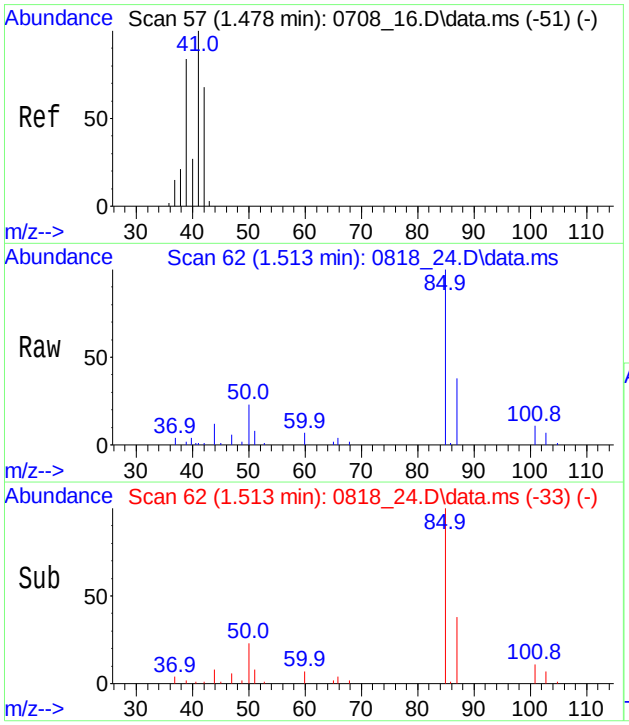
(#)out of range (m)manual integration reviewed by analyst (+)signals summed

Data Path : H:\AIR2020\CHEM24\08AUG\18\
Data File : 0818_24.D
Acq On : 19 Aug 2020 6:08 am
Operator : Keith
Client ID : IA-06 (FUTURE COMMON AREA)
Lab ID : CG56080
ALS Vial : 149 Sample Multiplier: 1

Quant Time: Dec 03 14:31:29 2020
Quant Method : H:\AIR2020\CHEM24\METHODS\24AIR_0810_wal.M
Quant Title : VOA Standards for 5 point calibration
QLast Update : Thu Dec 03 14:24:50 2020
Response via : Initial Calibration



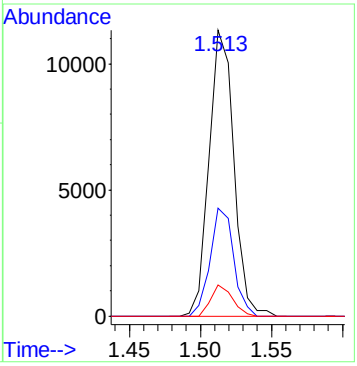


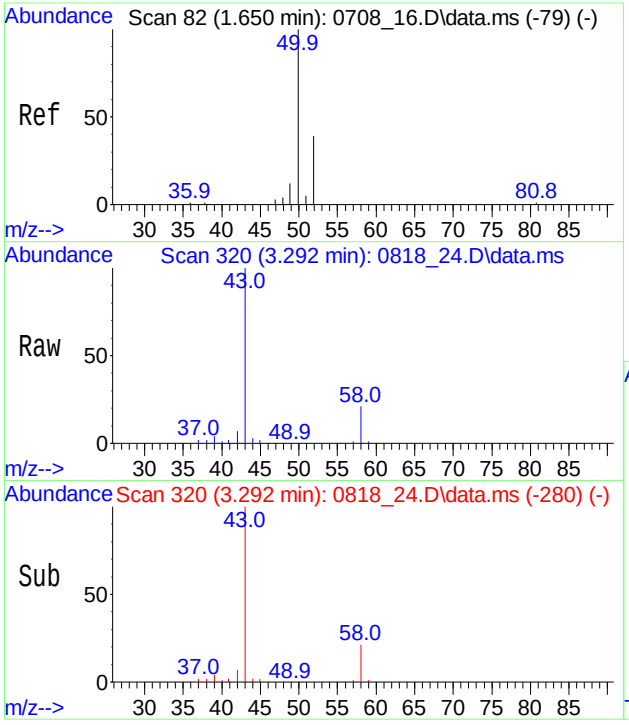


#2
Dichlorodifluoromethane
Conc: 8$ 0.763 ppbv
RT: 1.513 min Scan# 62
Delta R.T. 0.000 min
Lab File: 0818_24.D
Acq: 19 Aug 2020 6:08 am

Tgt Ion: 85 Resp: 13642

Ion	Ratio	Lower	Upper
85	100		
87	35.8	25.8	38.8
101	9.6	8.5	12.7

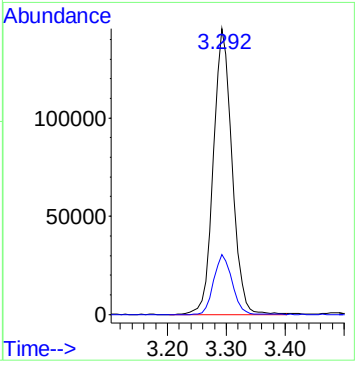


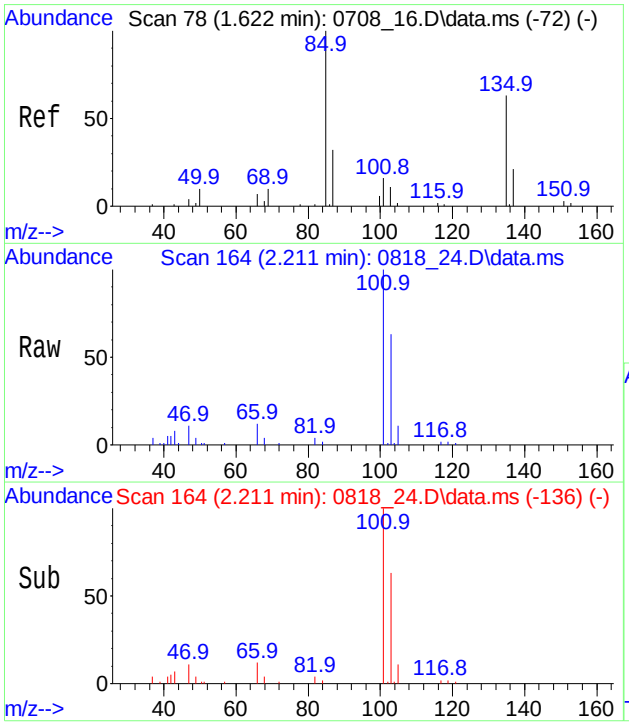


#4
Acetone
Conc: 8$ 12.893 ppbv
RT: 3.292 min Scan# 320
Delta R.T. -0.027 min
Lab File: 0818_24.D
Acq: 19 Aug 2020 6:08 am

Tgt Ion: 43 Resp: 318500

Ion	Ratio	Lower	Upper
43	100		
58	20.7	13.4	20.2#

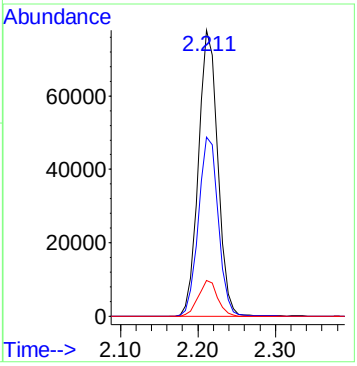


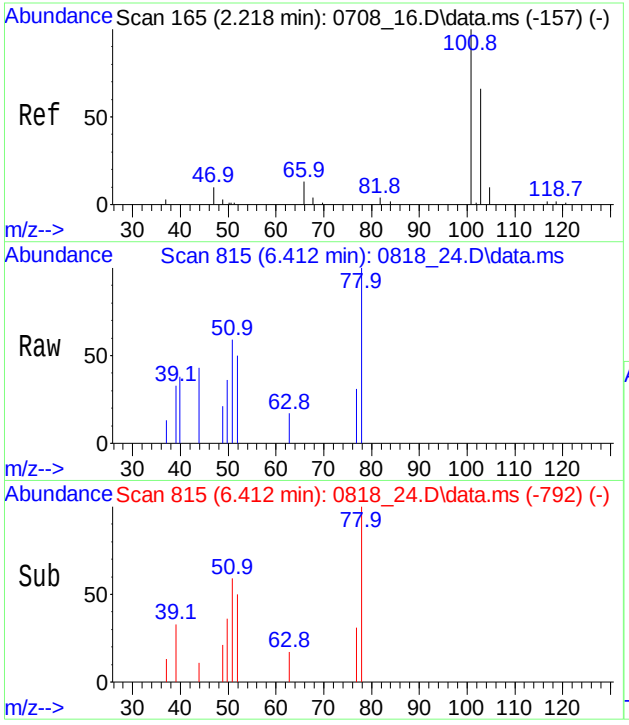


#5
Trichlorofluoromethane
Conc: 8$ 5.036 ppbv
RT: 2.211 min Scan# 164
Delta R.T. -0.007 min
Lab File: 0818_24.D
Acq: 19 Aug 2020 6:08 am

Tgt Ion:101 Resp: 134252

Ion	Ratio	Lower	Upper
101	100		
103	64.3	52.4	78.6
66	12.2	9.2	13.8

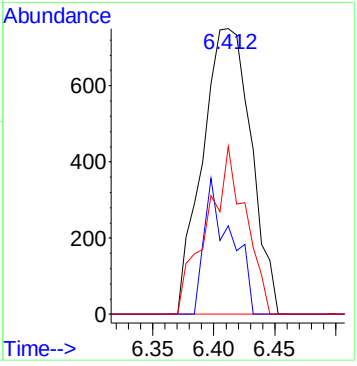


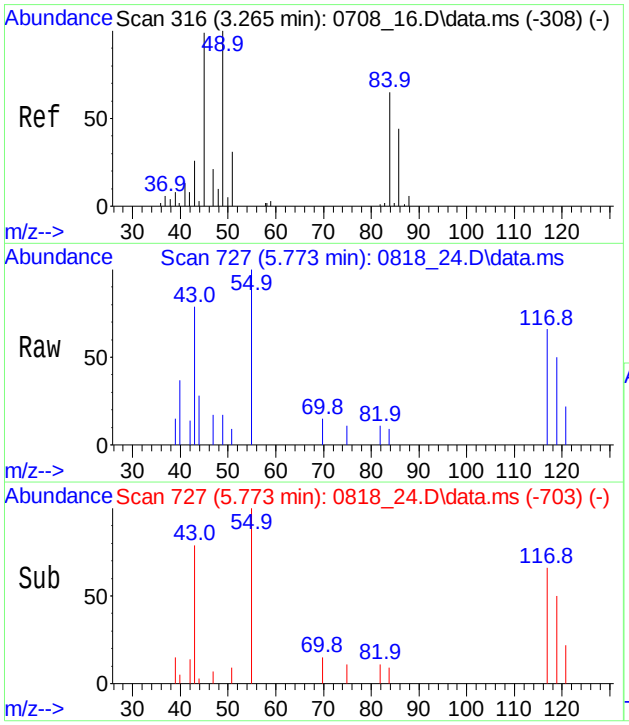


#13
Benzene
Conc: 8$ 0.086 ppbv
RT: 6.412 min Scan# 815
Delta R.T. 0.007 min
Lab File: 0818_24.D
Acq: 19 Aug 2020 6:08 am

Tgt Ion: 78 Resp: 2074

Ion	Ratio	Lower	Upper
78	100		
77	26.1	12.2	18.4#
51	46.5	31.9	47.9

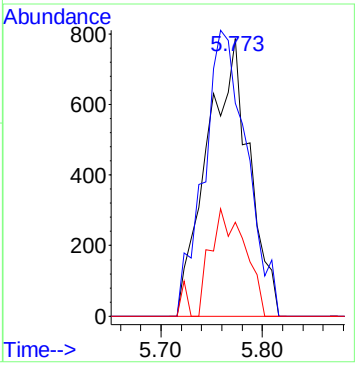


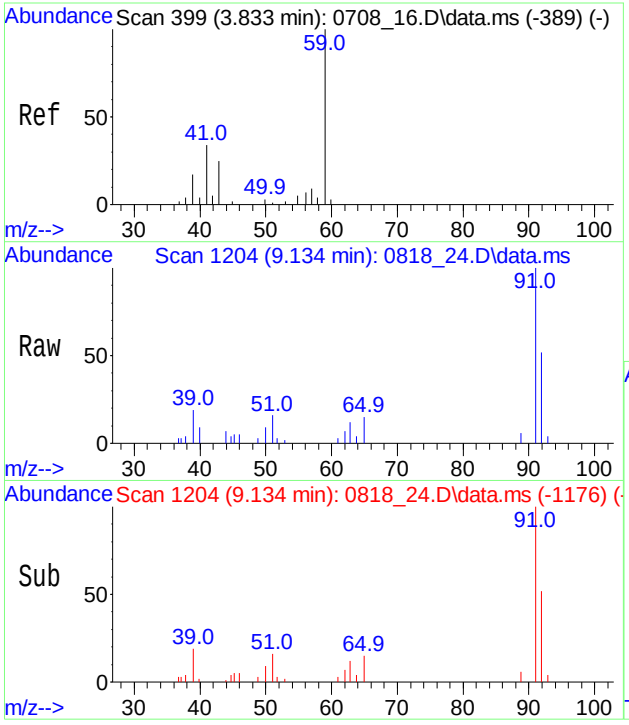


#14
Carbon Tetrachloride
Conc: 8$ Below Cal
RT: 5.773 min Scan# 727
Delta R.T. 0.022 min
Lab File: 0818_24.D
Acq: 19 Aug 2020 6:08 am

Tgt Ion:117 Resp: 2281

Ion	Ratio	Lower	Upper
117	100		
119	104.4	77.7	117.7
121	31.5	1.8	41.8

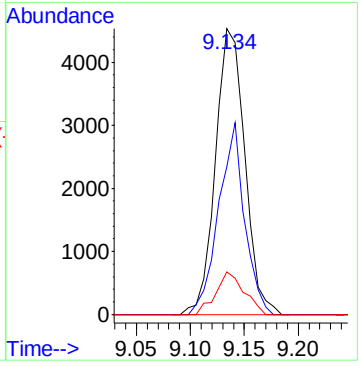


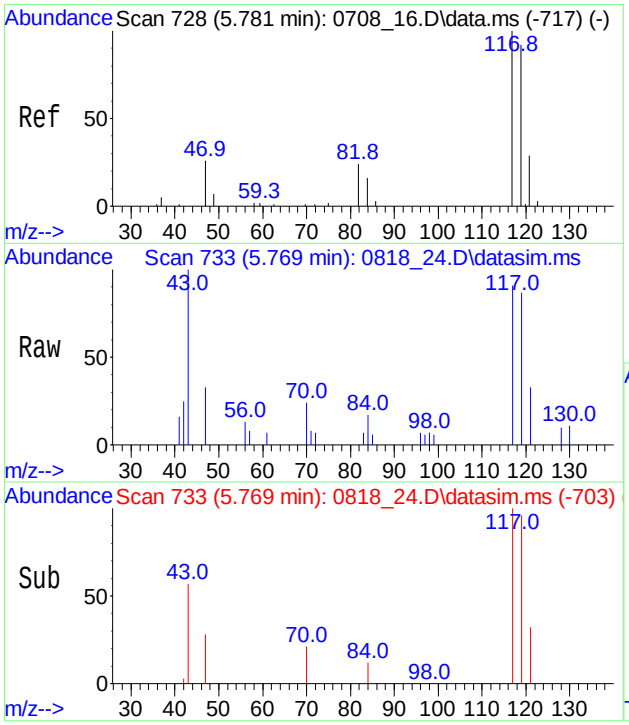


#18
Toluene
Conc: 8$ 0.269 ppbv
RT: 9.134 min Scan# 1204
Delta R.T. 0.000 min
Lab File: 0818_24.D
Acq: 19 Aug 2020 6:08 am

Tgt Ion: 91 Resp: 8541

Ion	Ratio	Lower	Upper
91	100		
92	59.3	39.4	59.0#
65	14.4	10.9	16.3

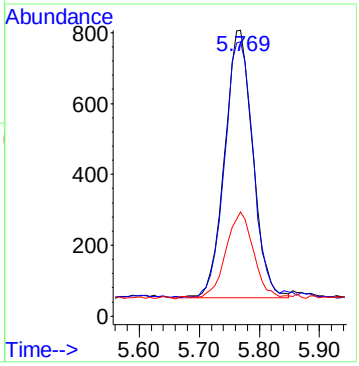




#34
Carbon Tetrachloride(sim)
Conc: 8$ 0.086 ppbv
RT: 5.769 min Scan# 733
Delta R.T. 0.015 min
Lab File: 0818_24.D
Acq: 19 Aug 2020 6:08 am

Tgt Ion:117 Resp: 2453

Ion	Ratio	Lower	Upper
117	100		
119	97.2	78.0	117.0
121	31.1	24.9	37.3



1

AIR ANALYSIS DATA SHEET

CLIENT ID: A-09 (SUBBASEMENT ROOM

Client: WALDENE-IPARK Lab: Phoenix Env. Labs

SDG No.: GCG56071 Lab Sample ID: CG56081

Canister: 11292 Lab File ID: 0818_25.D

Instrument: CHEM24 Column: RTX-VMS Date Received: 08/18/20

Purge Volume 200 (cc) Date Analyzed: 08/19/20

Matrix: AIR Dilution Factor: 1

CONCENTRATION UNITS: (ppbv or ug/m3) ppbv

CAS NO.	COMPOUND	CONC.	Q	MDL	PQL	R
75-71-8	Dichlorodifluoromethane	0.791		0.200	0.200	r
67-64-1	Acetone	6.96	S	1.00	1.00	r
75-69-4	Trichlorofluoromethane	6.01		0.150	0.150	r
75-09-2	Methylene Chloride	0.701	S	0.400	0.400	r
76-13-1	Trichlorotrifluoroethane	0.150	U	0.150	0.150	r
71-55-6	1,1,1-Trichloroethane	0.200	U	0.200	0.200	r
71-43-2	Benzene	0.086		0.050	0.050	r
108-88-3	Toluene	0.268		0.200	0.200	r
108-90-7	Chlorobenzene	0.200	U	0.200	0.200	r
100-41-4	Ethylbenzene	0.150	U	0.150	0.150	r
95-47-6	o-Xylene	0.150	U	0.150	0.150	r
541-73-1	1,3-Dichlorobenzene	0.150	U	0.150	0.150	r
95-50-1	1,2-Dichlorobenzene	0.150	U	0.150	0.150	r
120-82-1	1,2,4-Trichlorobenzene	0.250	U	0.250	0.250	r
75-01-4	Vinyl Chloride(sim)	0.020	U	0.020	0.020	r
56-23-5	Carbon Tetrachloride(sim)	0.086		0.020	0.020	r
75-35-4	1,1-Dichloroethene(sim)	0.050	U	0.050	0.050	r
156-59-2	Cis-1,2-Dichloroethene(sim)	0.050	U	0.050	0.050	r
79-01-6	Trichloroethene(sim)	0.037	U	0.037	0.037	r
127-18-4	Tetrachloroethene(sim)	0.100	U	0.100	0.100	r
179601-23-1	m,p-Xylene(sim)	0.167		0.150	0.150	r
106-46-7	1,4-Dichlorobenzene(sim)	0.150	U	0.150	0.150	r

FORM I AIR

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

Quantitation Report (QT Reviewed)

Data Path : H:\AIR2020\CHEM24\08AUG\18\
Data File : 0818_25.D
Acq On : 19 Aug 2020 8:24 am
Operator : Keith
Client ID : IA-09 (SUBBASEMENT ROOM)
Lab ID : CG56081
ALS Vial : 150 Sample Multiplier: 1

Quant Time: Dec 03 14:31:48 2020
Quant Method : H:\AIR2020\CHEM24\METHODS\24AIR_0810_wal.M
Quant Title : VOA Standards for 5 point calibration
QLast Update : Thu Dec 03 14:24:50 2020
Response via : Initial Calibration

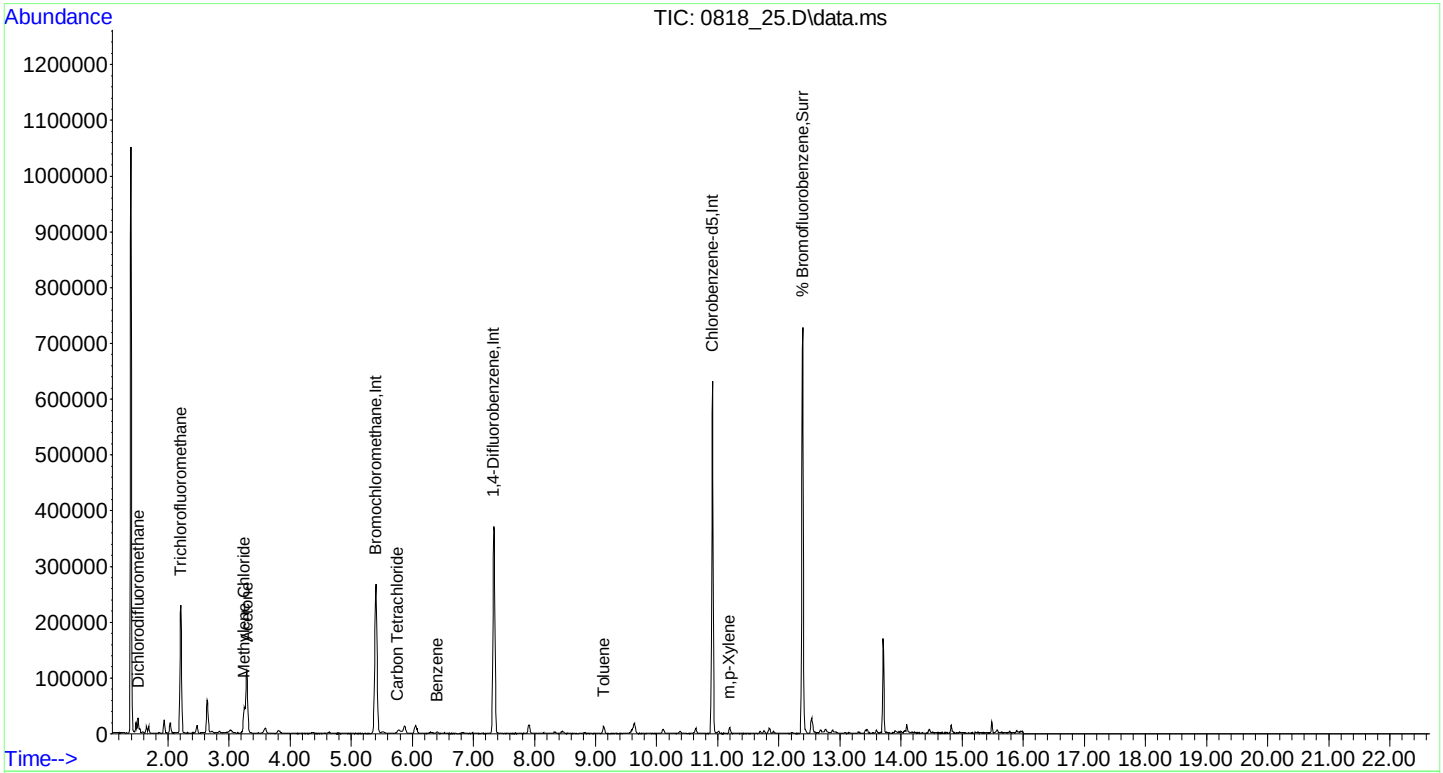
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Bromochloromethane	5.403	130	108755	10.000	ng		0.00
15) 1,4-Difluorobenzene	7.333	114	334286	10.000	ng		0.00
20) Chlorobenzene-d5	10.915	82	149432	10.000	ng		0.00
30) Bromochloromethane(sim)	5.406	130	120491	10.000	ng	#	0.00
41) 1,4-Difluorobenzene(sim)	7.333	114	334286	10.000	ng		0.00
47) Chlorobenzene-d5(sim)	10.915	82	149432	10.000	ng		0.00
System Monitoring Compounds							
25) % Bromofluorobenzene	12.389	95	230428	10.031	ppbv		0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 100.30%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.512	85	13983	0.791	ppbv		99
4) Acetone	3.292	43	170048	6.959	ppbv		93
5) Trichlorofluoromethane	2.211	101	158411	6.007	ppbv		98
7) Methylene Chloride	3.244	49	13698	0.701	ppbv#		89
13) Benzene	6.409	78	2038	0.086	ppbv#		93
14) Carbon Tetrachloride	5.763	117	2217	0.086	ppbv		84
18) Toluene	9.131	91	8371	0.268	ppbv#		87
23) m,p-Xylene	11.189	91	5672	0.173	ppbv		92
34) Carbon Tetrachloride(sim)	5.759	117	2466	0.086	ppbv		97
48) m,p-Xylene(sim)	11.199	91	6329	0.167	ppbv		96

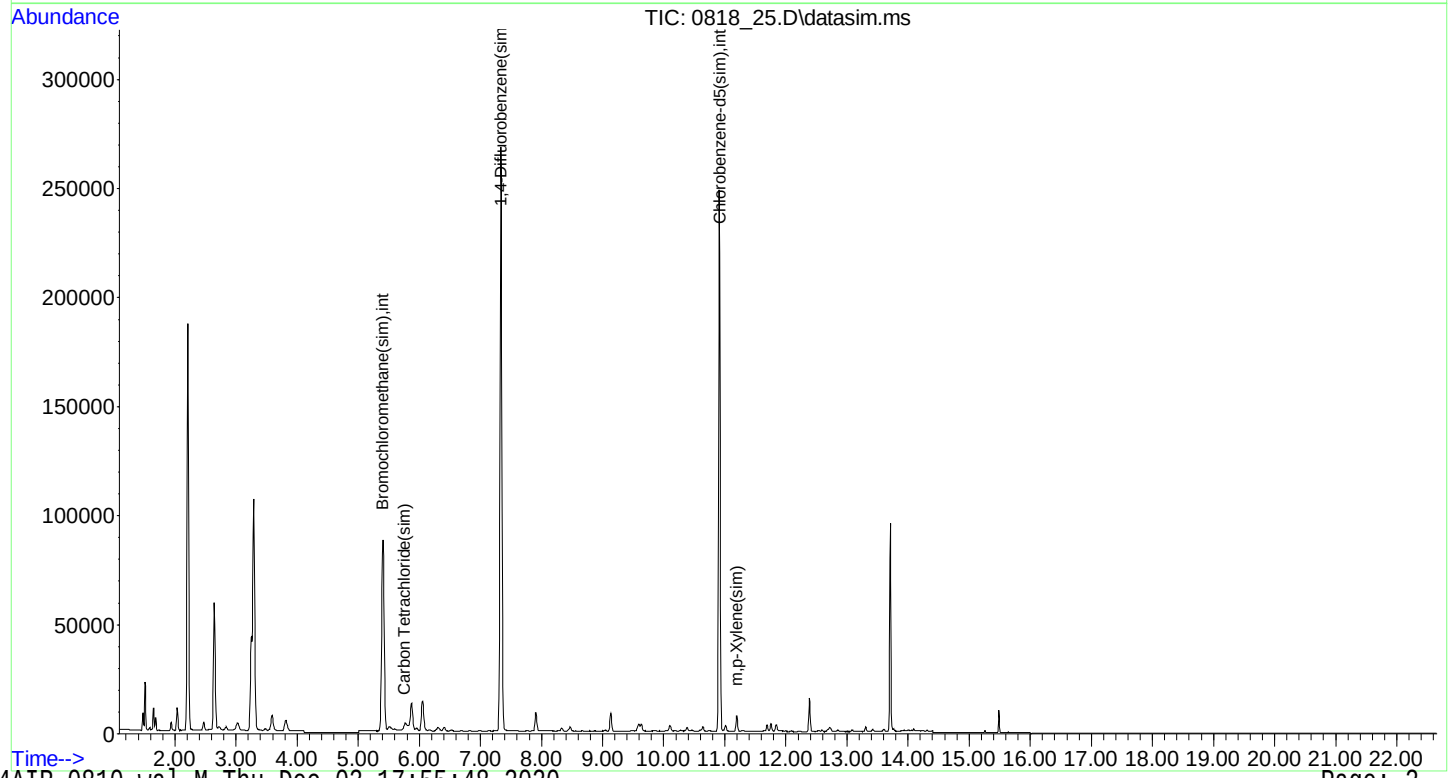
(#)out of range (m)manual integration reviewed by analyst (+)signals summed

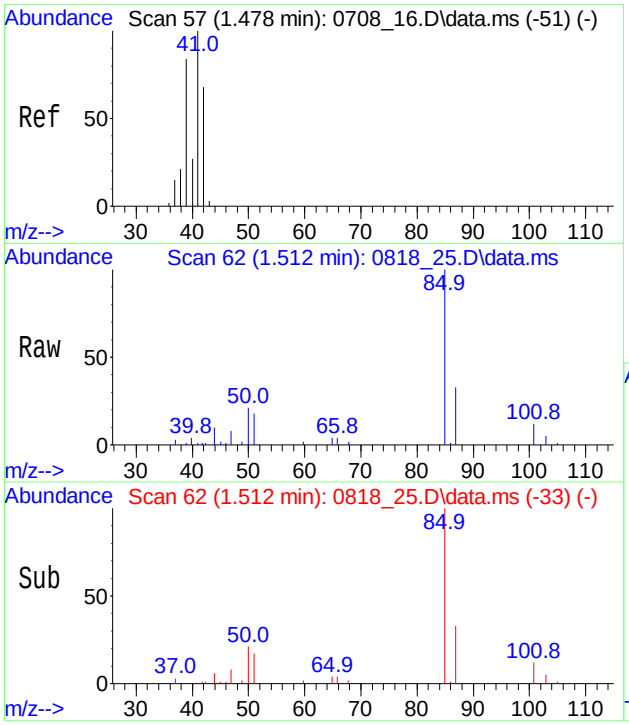
Quantitation Report (QT Reviewed)

Data Path : H:\AIR2020\CHEM24\08AUG\18\
Data File : 0818_25.D
Acq On : 19 Aug 2020 8:24 am
Operator : Keith
Client ID : IA-09 (SUBBASEMENT ROOM)
Lab ID : CG56081
ALS Vial : 150 Sample Multiplier: 1

Quant Time: Dec 03 14:31:48 2020
Quant Method : H:\AIR2020\CHEM24\METHODS\24AIR_0810_wal.M
Quant Title : VOA Standards for 5 point calibration
QLast Update : Thu Dec 03 14:24:50 2020
Response via : Initial Calibration



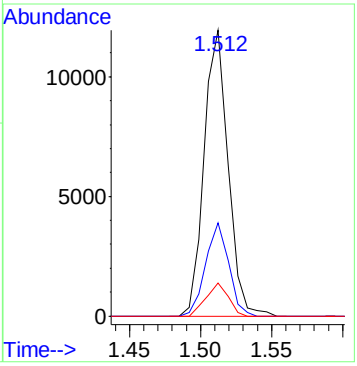


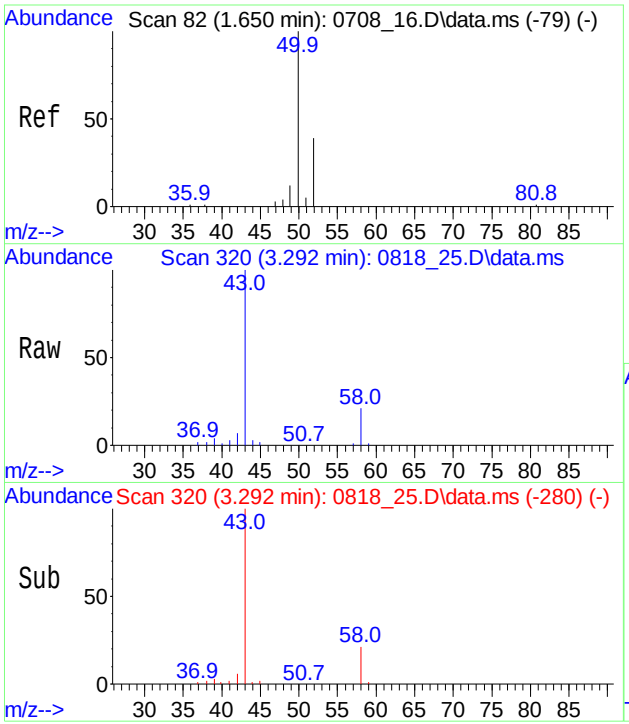


#2
Dichlorodifluoromethane
Conc: 8$ 0.791 ppbv
RT: 1.512 min Scan# 62
Delta R.T. -0.000 min
Lab File: 0818_25.D
Acq: 19 Aug 2020 8:24 am

Tgt Ion: 85 Resp: 13983

Ion	Ratio	Lower	Upper
85	100		
87	31.4	25.8	38.8
101	10.7	8.5	12.7

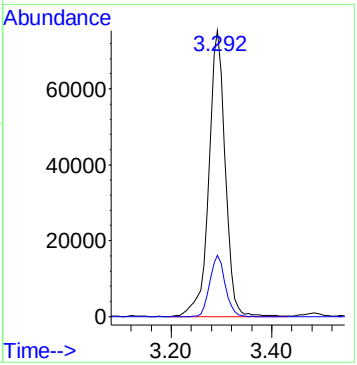


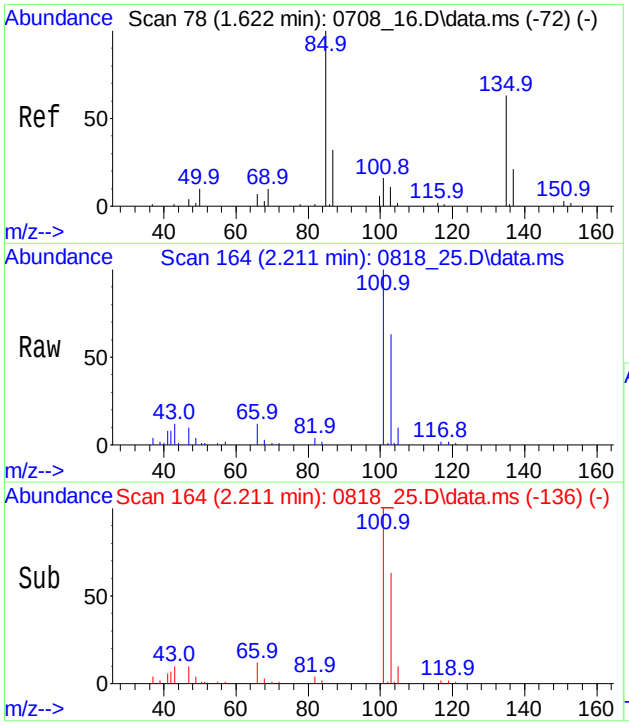


#4
Acetone
Conc: 8$ 6.959 ppbv
RT: 3.292 min Scan# 320
Delta R.T. -0.027 min
Lab File: 0818_25.D
Acq: 19 Aug 2020 8:24 am

Tgt Ion: 43 Resp: 170048

Ion	Ratio	Lower	Upper
43	100		
58	20.0	13.4	20.2

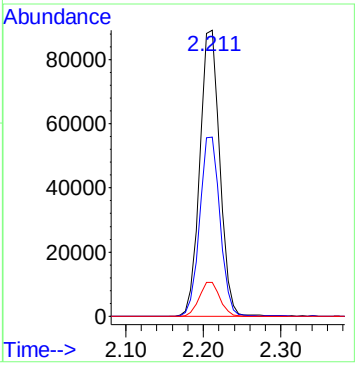


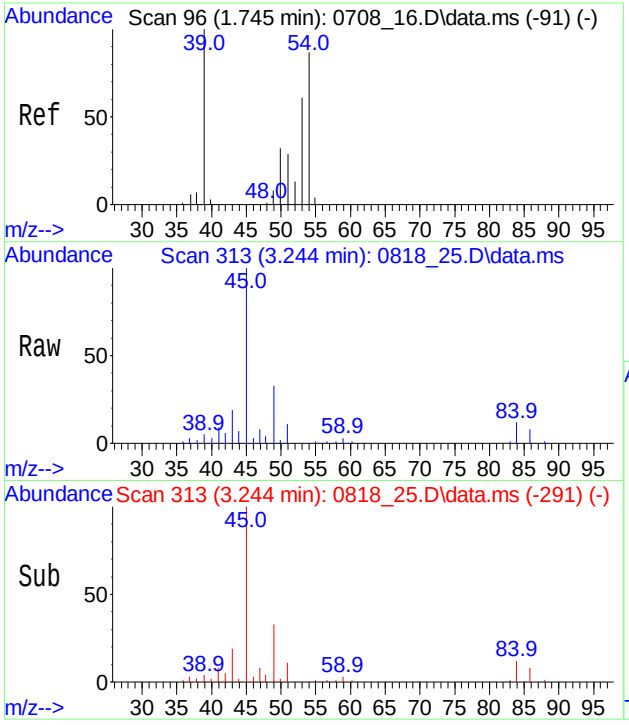


#5
Trichlorofluoromethane
Conc: 8$ 6.007 ppbv
RT: 2.211 min Scan# 164
Delta R.T. -0.007 min
Lab File: 0818_25.D
Acq: 19 Aug 2020 8:24 am

Tgt Ion:101 Resp: 158411

Ion	Ratio	Lower	Upper
101	100		
103	63.5	52.4	78.6
66	12.1	9.2	13.8

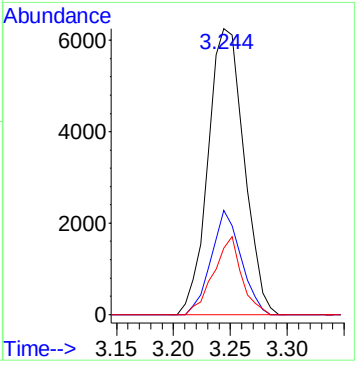


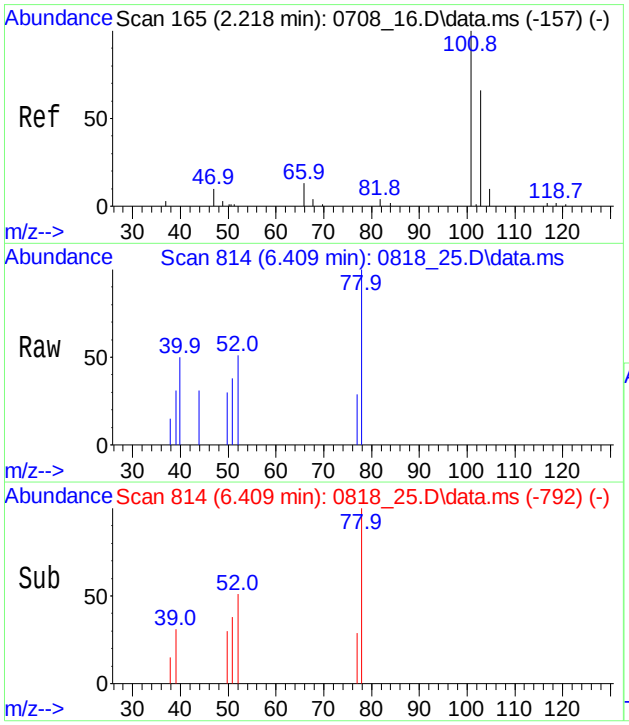


#7
Methylene Chloride
Conc: 8$ 0.701 ppbv
RT: 3.244 min Scan# 313
Delta R.T. 0.000 min
Lab File: 0818_25.D
Acq: 19 Aug 2020 8:24 am

Tgt Ion: 49 Resp: 13698

Ion	Ratio	Lower	Upper
49	100		
84	30.2	30.6	46.0#
86	21.1	19.8	29.6

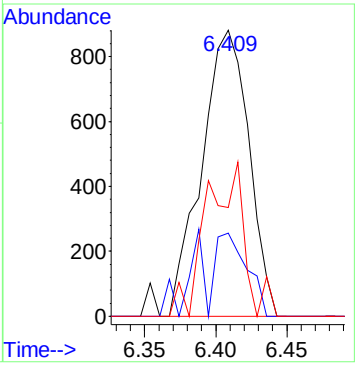


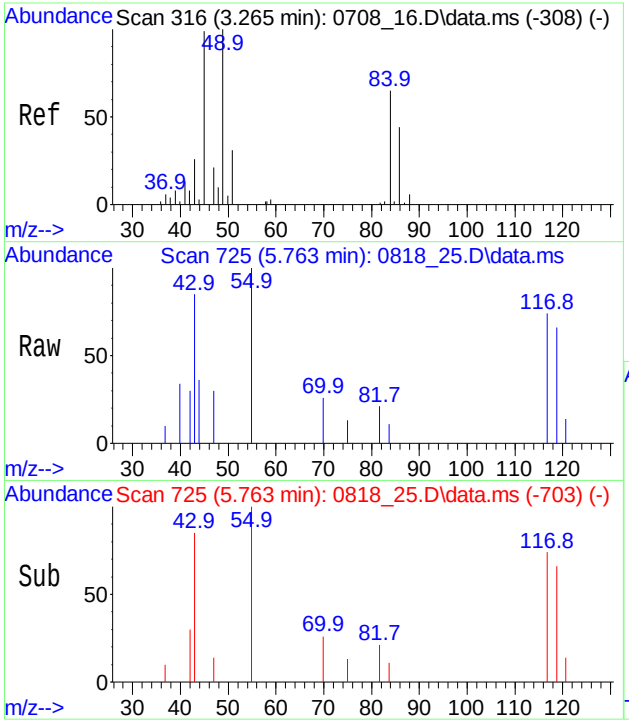


#13
Benzene
Conc: 8$ 0.086 ppbv
RT: 6.409 min Scan# 814
Delta R.T. 0.004 min
Lab File: 0818_25.D
Acq: 19 Aug 2020 8:24 am

Tgt Ion: 78 Resp: 2038

Ion	Ratio	Lower	Upper
78	100		
77	19.4	12.2	18.4#
51	43.6	31.9	47.9

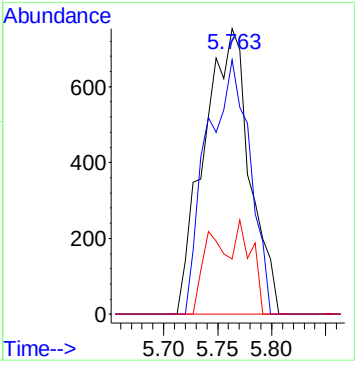


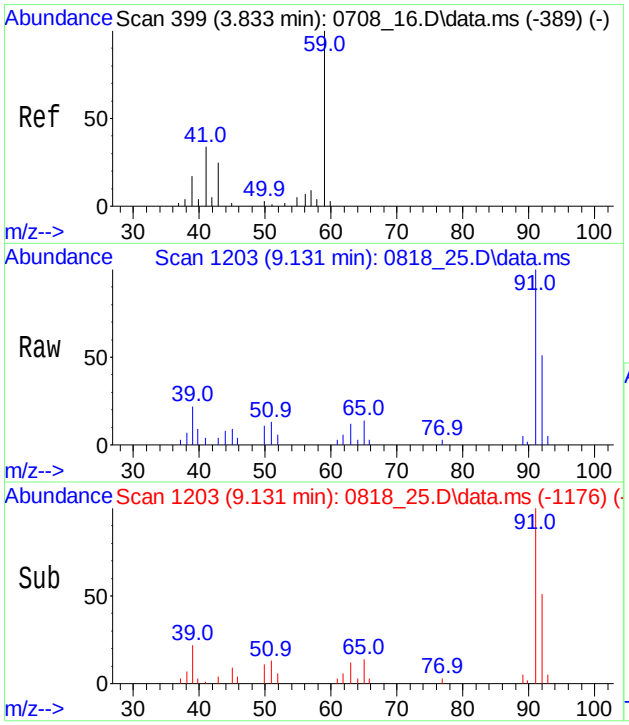


#14
Carbon Tetrachloride
Conc: 8$ Below Cal
RT: 5.763 min Scan# 725
Delta R.T. 0.012 min
Lab File: 0818_25.D
Acq: 19 Aug 2020 8:24 am

Tgt Ion:117 Resp: 2217

Ion	Ratio	Lower	Upper
117	100		
119	83.7	77.7	117.7
121	11.4	1.8	41.8

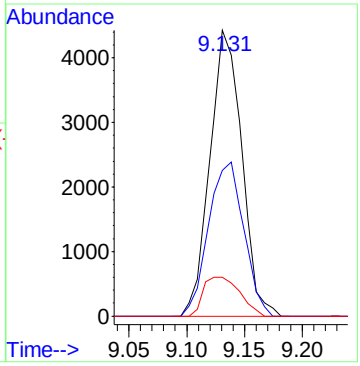


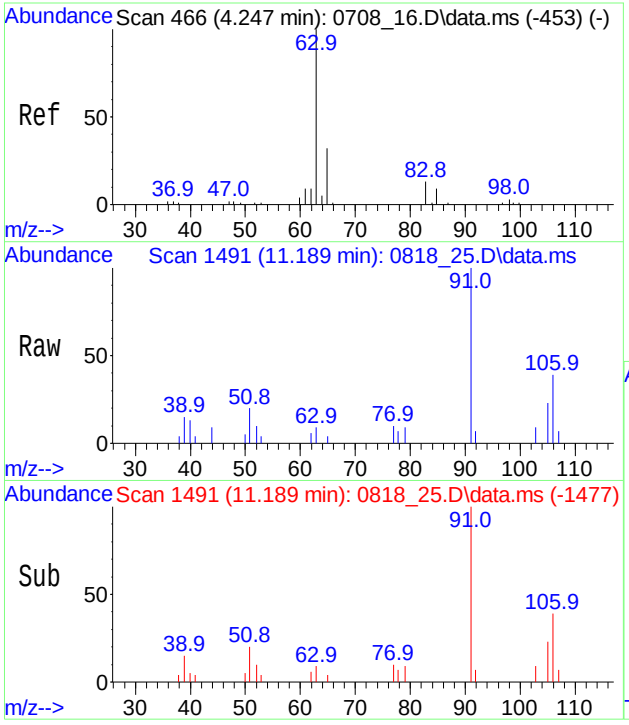


#18
Toluene
Conc: 8$ 0.268 ppbv
RT: 9.131 min Scan# 1203
Delta R.T. -0.003 min
Lab File: 0818_25.D
Acq: 19 Aug 2020 8:24 am

Tgt Ion: 91 Resp: 8371

Ion	Ratio	Lower	Upper
91	100		
92	59.7	39.4	59.0#
65	15.7	10.9	16.3

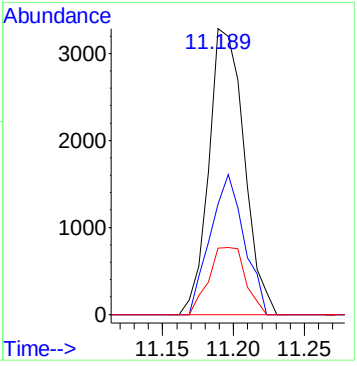


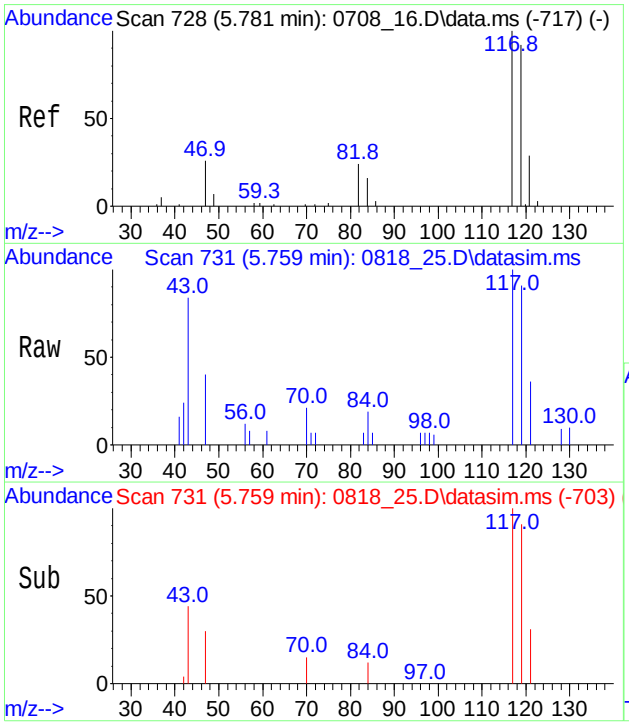


#23
m,p-Xylene
Conc: 8$ 0.173 ppbv
RT: 11.189 min Scan# 1491
Delta R.T. -0.003 min
Lab File: 0818_25.D
Acq: 19 Aug 2020 8:24 am

Tgt Ion: 91 Resp: 5672

Ion	Ratio	Lower	Upper
91	100		
106	47.1	43.4	65.0
105	24.2	18.3	27.5

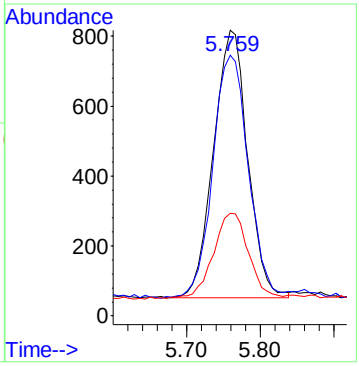


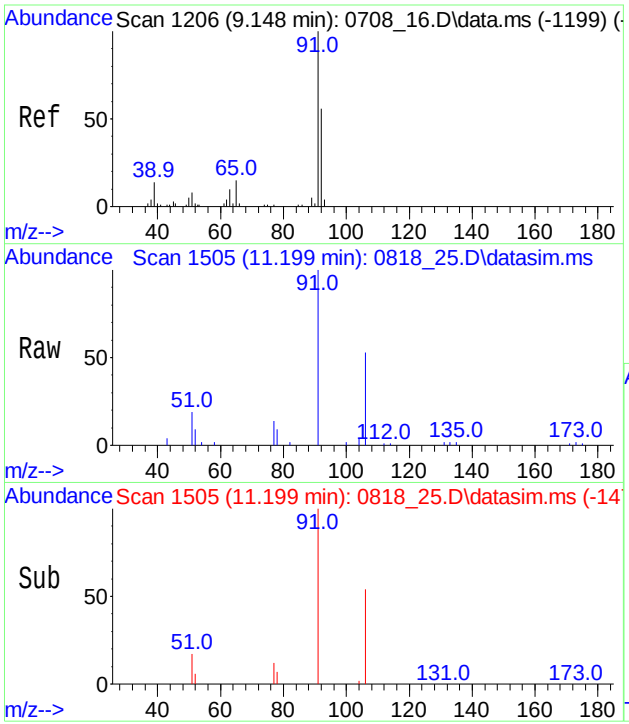


#34
Carbon Tetrachloride(sim)
Conc: 8$ 0.086 ppbv
RT: 5.759 min Scan# 731
Delta R.T. 0.004 min
Lab File: 0818_25.D
Acq: 19 Aug 2020 8:24 am

Tgt Ion:117 Resp: 2466

Ion	Ratio	Lower	Upper
117	100		
119	94.8	78.0	117.0
121	32.4	24.9	37.3

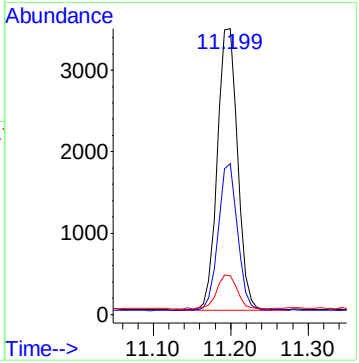




#48
m,p-Xylene(sim)
Conc: 8$ 0.167 ppbv
RT: 11.199 min Scan# 1505
Delta R.T. 0.004 min
Lab File: 0818_25.D
Acq: 19 Aug 2020 8:24 am

Tgt Ion: 91 Resp: 6329

Ion	Ratio	Lower	Upper
91	100		
106	49.5	47.3	57.8
77	12.2	10.8	16.2



1

AIR ANALYSIS DATA SHEET

CLIENT ID

A-10 (SUBBASEMENT STAIRS

Client: WALDENE-IPARK Lab: Phoenix Env. Labs

SDG No.: GCG56071 Lab Sample ID: CG56082

Canister: 19859 Lab File ID: 0818_26.D

Instrument: CHEM24 Column: RTX-VMS Date Received: 08/18/20

Purge Volume 200 (cc) Date Analyzed: 08/19/20

Matrix: AIR Dilution Factor: 1

CONCENTRATION UNITS: (ppbv or ug/m3) ppbv

CAS NO.	COMPOUND	CONC.	Q	MDL	PQL	R
75-71-8	Dichlorodifluoromethane	1.32		0.200	0.200	r
67-64-1	Acetone	7.54	S	1.00	1.00	r
75-69-4	Trichlorofluoromethane	7.94		0.150	0.150	r
75-09-2	Methylene Chloride	0.400	U	0.400	0.400	r
76-13-1	Trichlorotrifluoroethane	0.150	U	0.150	0.150	r
71-55-6	1,1,1-Trichloroethane	0.200	U	0.200	0.200	r
71-43-2	Benzene	0.069		0.050	0.050	r
108-88-3	Toluene	0.324		0.200	0.200	r
108-90-7	Chlorobenzene	0.200	U	0.200	0.200	r
100-41-4	Ethylbenzene	0.150	U	0.150	0.150	r
179601-23-1	m,p-Xylene	0.439		0.150	0.150	r
95-47-6	o-Xylene	0.182		0.150	0.150	r
541-73-1	1,3-Dichlorobenzene	0.150	U	0.150	0.150	r
95-50-1	1,2-Dichlorobenzene	0.150	U	0.150	0.150	r
120-82-1	1,2,4-Trichlorobenzene	0.250	U	0.250	0.250	r
75-01-4	Vinyl Chloride(sim)	0.020	U	0.020	0.020	r
56-23-5	Carbon Tetrachloride(sim)	0.083		0.020	0.020	r
75-35-4	1,1-Dichloroethene(sim)	0.050	U	0.050	0.050	r
156-59-2	Cis-1,2-Dichloroethene(sim)	0.050	U	0.050	0.050	r
79-01-6	Trichloroethene(sim)	0.037	U	0.037	0.037	r
127-18-4	Tetrachloroethene(sim)	0.100	U	0.100	0.100	r
106-46-7	1,4-Dichlorobenzene(sim)	0.150	U	0.150	0.150	r

FORM I AIR

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

Quantitation Report (QT Reviewed)

Data Path : H:\AIR2020\CHEM24\08AUG\18\
Data File : 0818_26.D
Acq On : 19 Aug 2020 9:05 am
Operator : Keith
Client ID : IA-10 (SUBBASEMENT STAIRS)
Lab ID : CG56082
ALS Vial : 151 Sample Multiplier: 1

Quant Time: Dec 03 14:32:00 2020
Quant Method : H:\AIR2020\CHEM24\METHODS\24AIR_0810_wal.M
Quant Title : VOA Standards for 5 point calibration
QLast Update : Thu Dec 03 14:24:50 2020
Response via : Initial Calibration

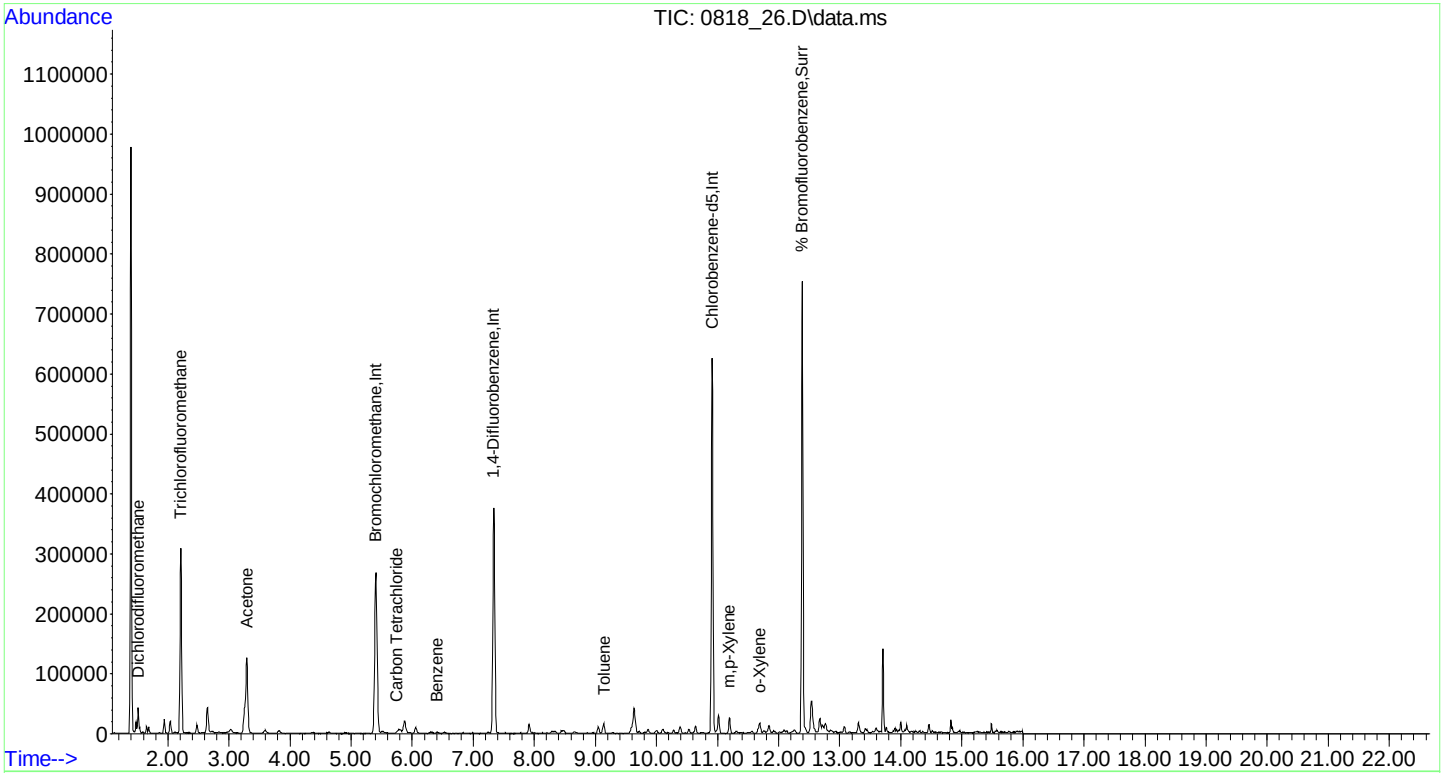
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Bromochloromethane	5.406	130	111487	10.000	ng		0.00
15) 1,4-Difluorobenzene	7.336	114	338827	10.000	ng		0.00
20) Chlorobenzene-d5	10.911	82	149591	10.000	ng		0.00
30) Bromochloromethane(sim)	5.409	130	121963	10.000	ng	#	0.00
41) 1,4-Difluorobenzene(sim)	7.336	114	338827	10.000	ng		0.00
47) Chlorobenzene-d5(sim)	10.911	82	149591	10.000	ng	#	0.00
System Monitoring Compounds							
25) % Bromofluorobenzene	12.385	95	234058	10.178	ppbv		0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 101.80%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.513	85	23874	1.317	ppbv		100
4) Acetone	3.292	43	188844	7.539	ppbv		93
5) Trichlorofluoromethane	2.211	101	214674	7.941	ppbv		99
13) Benzene	6.405	78	1679	0.069	ppbv	#	74
14) Carbon Tetrachloride	5.752	117	2221	0.084	ppbv		90
18) Toluene	9.141	91	10258	0.323	ppbv		92
23) m,p-Xylene	11.192	91	14391	0.439	ppbv		91
24) o-Xylene	11.693	91	6346	0.182	ppbv		97
34) Carbon Tetrachloride(sim)	5.762	117	2410	0.083	ppbv		98
48) m,p-Xylene(sim)	11.195	91	15666	0.414	ppbv		96

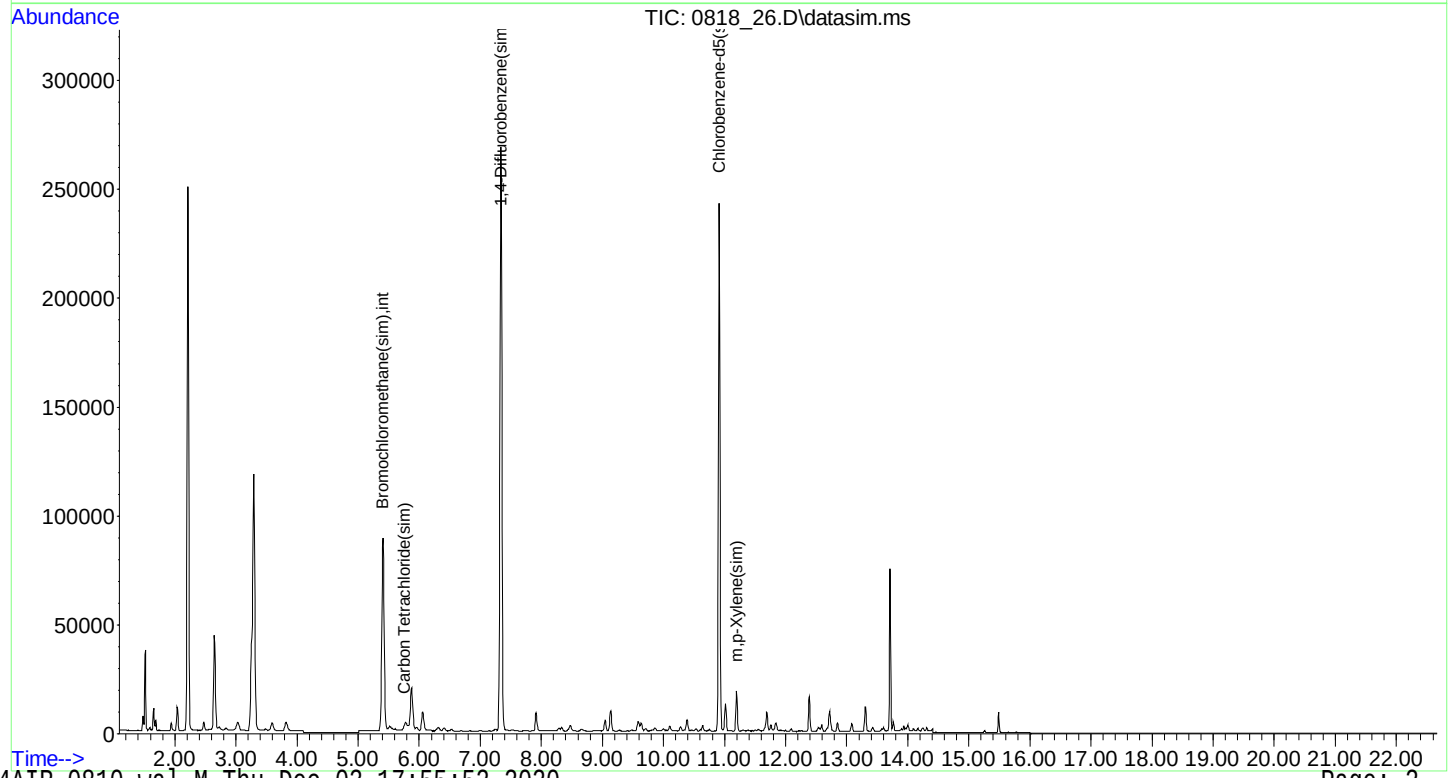
(#)out of range (m)manual integration reviewed by analyst (+)signals summed

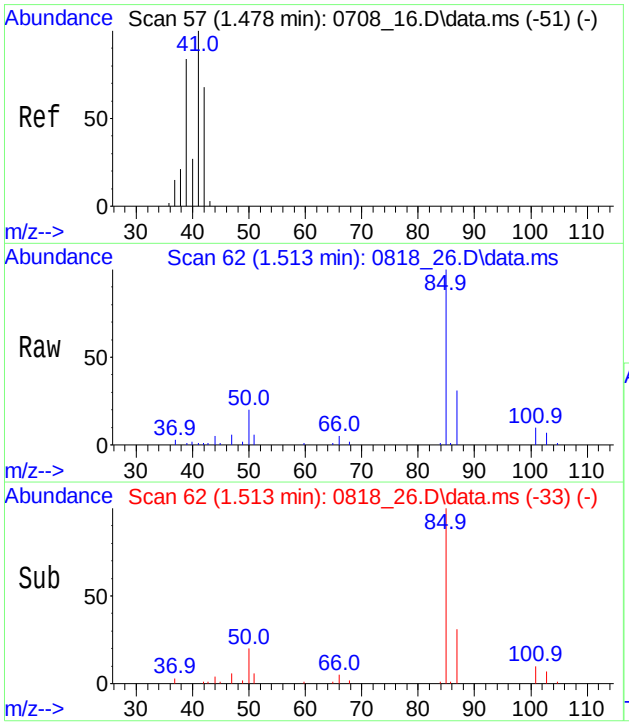
Quantitation Report (QT Reviewed)

Data Path : H:\AIR2020\CHEM24\08AUG\18\
Data File : 0818_26.D
Acq On : 19 Aug 2020 9:05 am
Operator : Keith
Client ID : IA-10 (SUBBASEMENT STAIRS)
Lab ID : CG56082
ALS Vial : 151 Sample Multiplier: 1

Quant Time: Dec 03 14:32:00 2020
Quant Method : H:\AIR2020\CHEM24\METHODS\24AIR_0810_wal.M
Quant Title : VOA Standards for 5 point calibration
QLast Update : Thu Dec 03 14:24:50 2020
Response via : Initial Calibration



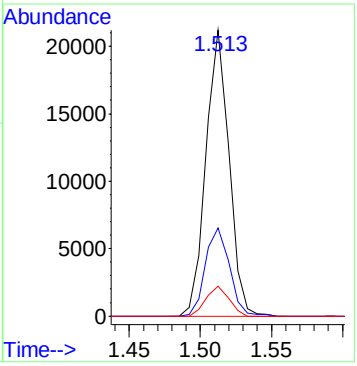


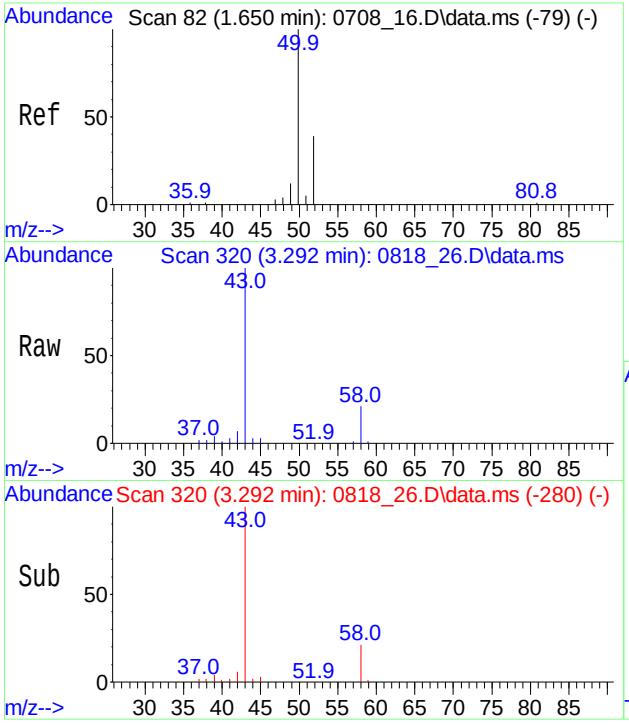


#2
Dichlorodifluoromethane
Conc: 8$ 1.317 ppbv
RT: 1.513 min Scan# 62
Delta R.T. 0.000 min
Lab File: 0818_26.D
Acq: 19 Aug 2020 9:05 am

Tgt Ion: 85 Resp: 23874

Ion	Ratio	Lower	Upper
85	100		
87	32.3	25.8	38.8
101	10.3	8.5	12.7

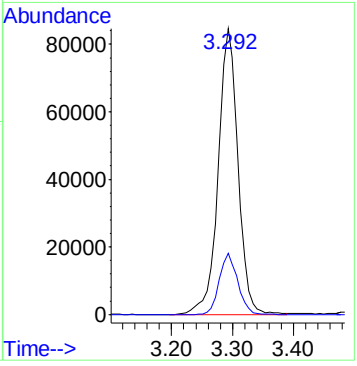


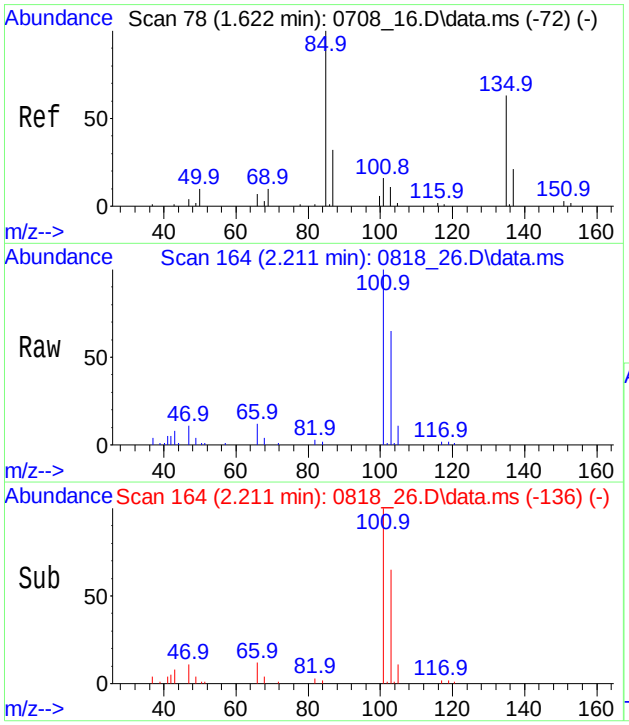


#4
Acetone
Conc: 8$ 7.539 ppbv
RT: 3.292 min Scan# 320
Delta R.T. -0.027 min
Lab File: 0818_26.D
Acq: 19 Aug 2020 9:05 am

Tgt Ion: 43 Resp: 188844

Ion	Ratio	Lower	Upper
43	100		
58	19.9	13.4	20.2

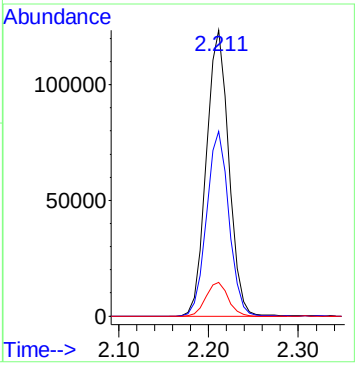


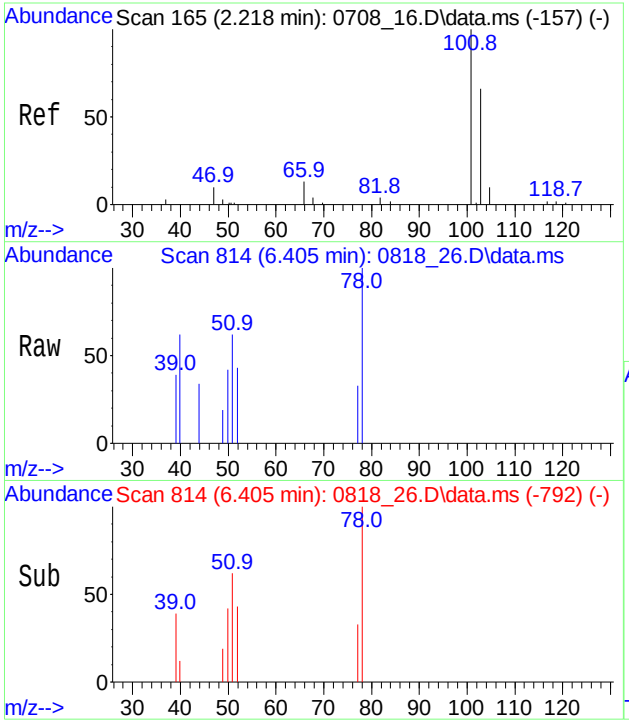


#5
Trichlorofluoromethane
Conc: 8$ 7.941 ppbv
RT: 2.211 min Scan# 164
Delta R.T. -0.007 min
Lab File: 0818_26.D
Acq: 19 Aug 2020 9:05 am

Tgt Ion:101 Resp: 214674

Ion	Ratio	Lower	Upper
101	100		
103	64.3	52.4	78.6
66	11.6	9.2	13.8

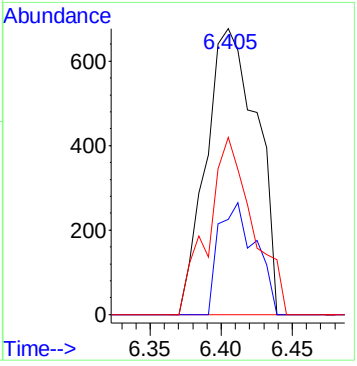


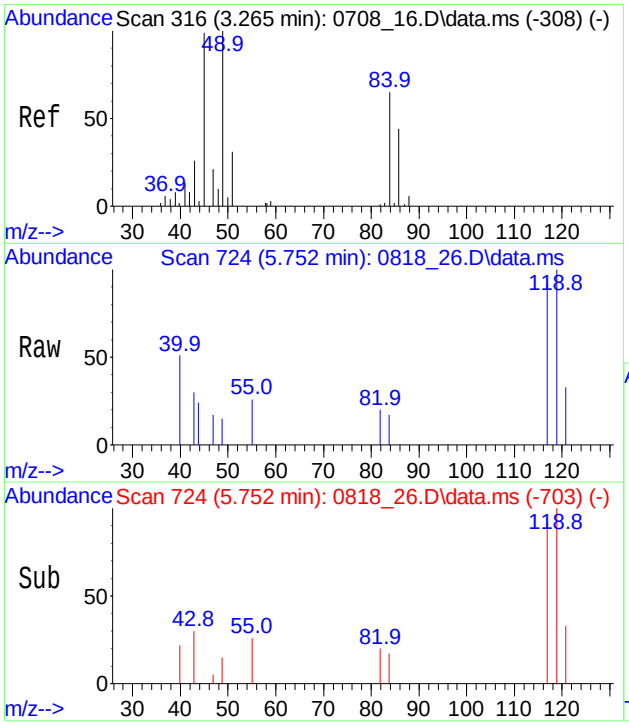


#13
Benzene
Conc: 8$ 0.069 ppbv
RT: 6.405 min Scan# 814
Delta R.T. 0.000 min
Lab File: 0818_26.D
Acq: 19 Aug 2020 9:05 am

Tgt Ion: 78 Resp: 1679

Ion	Ratio	Lower	Upper
78	100		
77	28.3	12.2	18.4#
51	54.8	31.9	47.9#

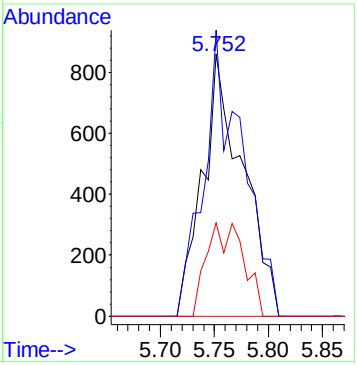


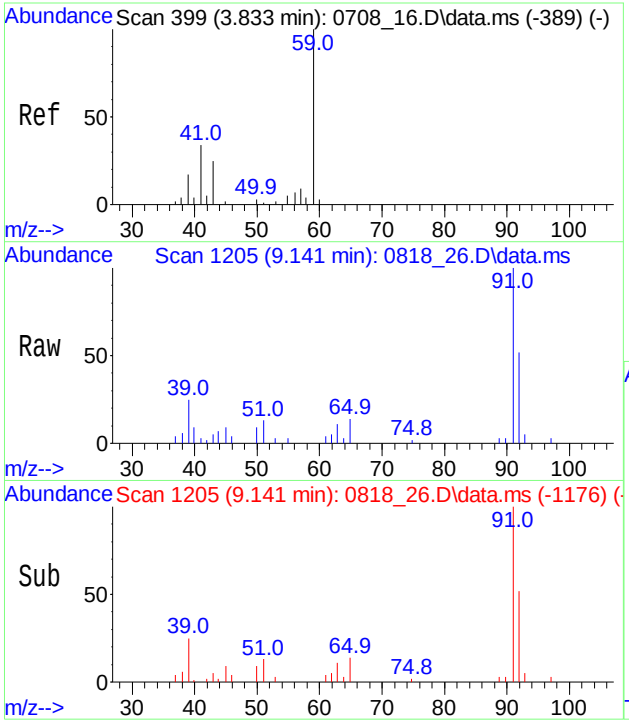


#14
Carbon Tetrachloride
Conc: 8$ Below Cal
RT: 5.752 min Scan# 724
Delta R.T. 0.000 min
Lab File: 0818_26.D
Acq: 19 Aug 2020 9:05 am

Tgt Ion:117 Resp: 2221

Ion	Ratio	Lower	Upper
117	100		
119	104.5	77.7	117.7
121	32.9	1.8	41.8

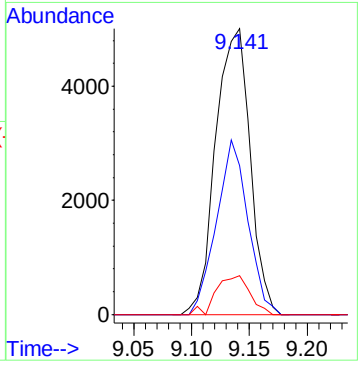


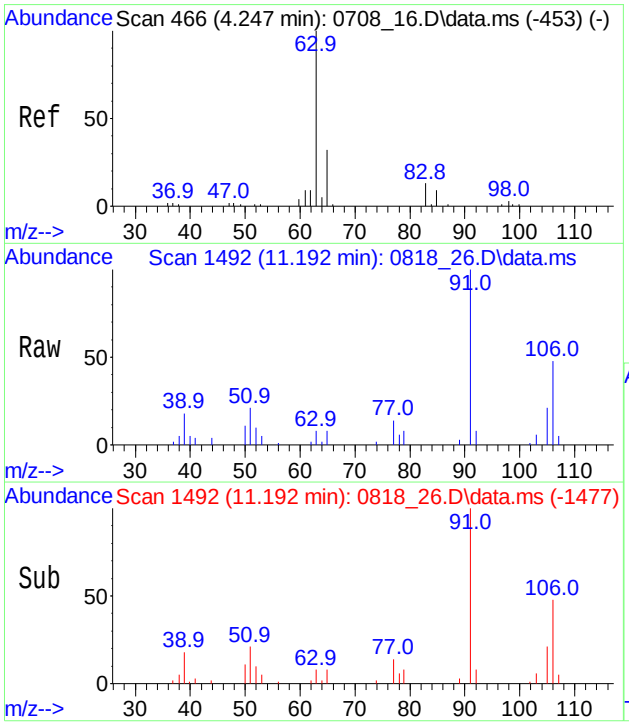


#18
Toluene
Conc: 8$ 0.323 ppbv
RT: 9.141 min Scan# 1205
Delta R.T. 0.007 min
Lab File: 0818_26.D
Acq: 19 Aug 2020 9:05 am

Tgt Ion: 91 Resp: 10258

Ion	Ratio	Lower	Upper
91	100		
92	55.6	39.4	59.0
65	13.2	10.9	16.3

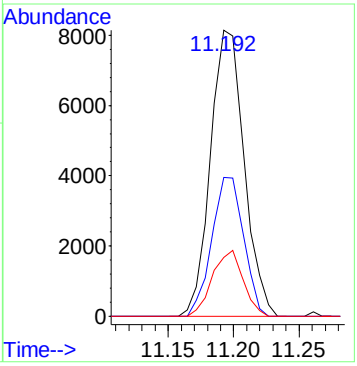


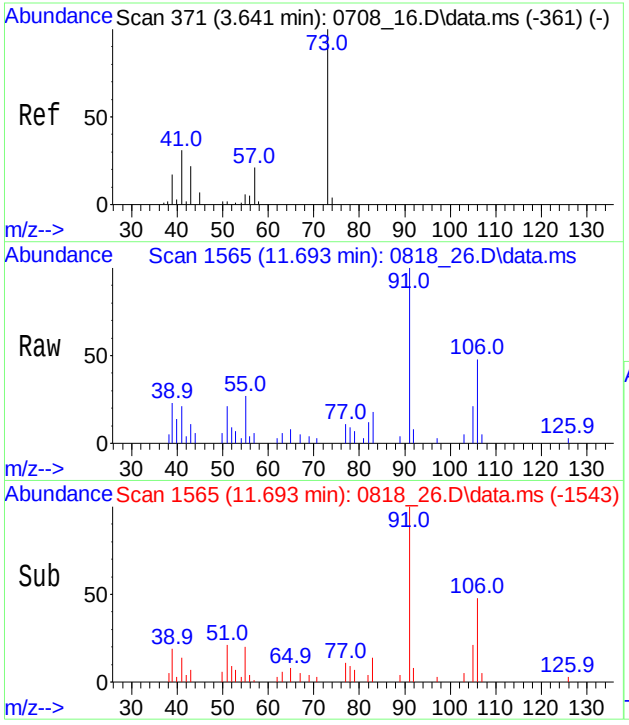


#23
m,p-Xylene
Conc: 8$ 0.439 ppbv
RT: 11.192 min Scan# 1492
Delta R.T. 0.000 min
Lab File: 0818_26.D
Acq: 19 Aug 2020 9:05 am

Tgt Ion: 91 Resp: 14391

Ion	Ratio	Lower	Upper
91	100		
106	45.8	43.4	65.0
105	20.9	18.3	27.5

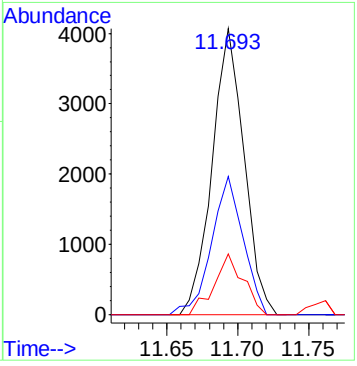


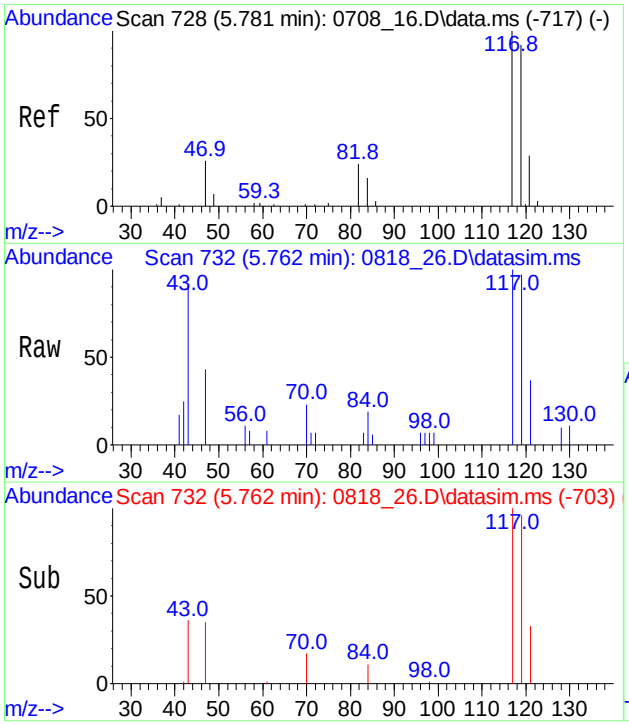


#24
o-Xylene
Conc: 8$ 0.182 ppbv
RT: 11.693 min Scan# 1565
Delta R.T. 0.000 min
Lab File: 0818_26.D
Acq: 19 Aug 2020 9:05 am

Tgt Ion: 91 Resp: 6346

Ion	Ratio	Lower	Upper
91	100		
106	47.7	36.0	54.0
105	19.2	15.2	22.8

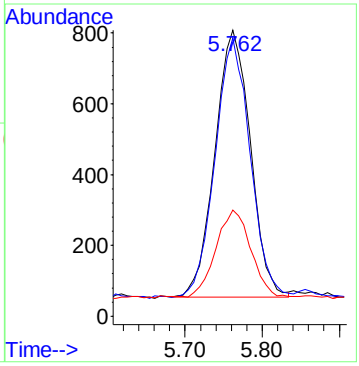


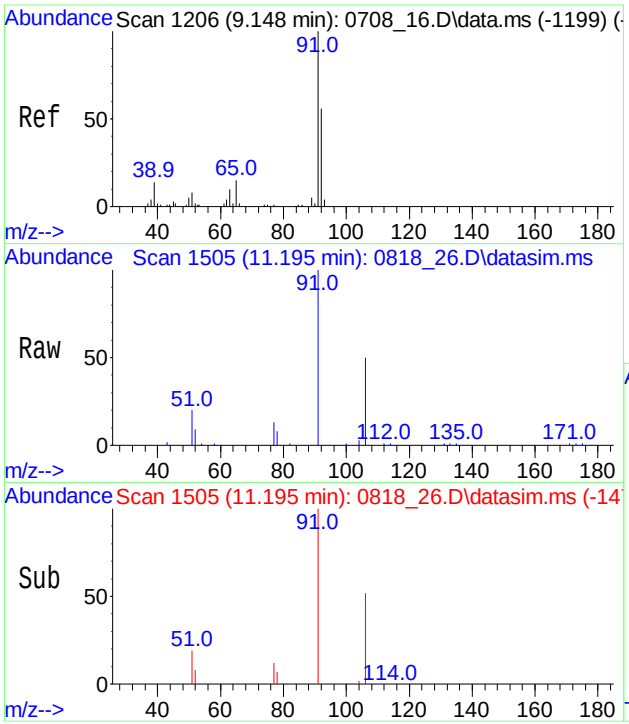


#34
Carbon Tetrachloride(sim)
Conc: 8$ 0.083 ppbv
RT: 5.762 min Scan# 732
Delta R.T. 0.007 min
Lab File: 0818_26.D
Acq: 19 Aug 2020 9:05 am

Tgt Ion:117 Resp: 2410

Ion	Ratio	Lower	Upper
117	100		
119	95.8	78.0	117.0
121	33.4	24.9	37.3

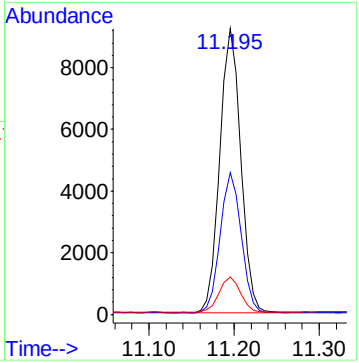




#48
m,p-Xylene(sim)
Conc: 8$ 0.414 ppbv
RT: 11.195 min Scan# 1505
Delta R.T. 0.000 min
Lab File: 0818_26.D
Acq: 19 Aug 2020 9:05 am

Tgt Ion: 91 Resp: 15666

Ion	Ratio	Lower	Upper
91	100		
106	49.5	47.3	57.8
77	12.5	10.8	16.2



1

AIR ANALYSIS DATA SHEET

CLIENT ID: IA-DUP

Client: WALDENE-IPARK Lab: Phoenix Env. Labs

SDG No.: GCG56071 Lab Sample ID: CG56083

Canister: 19854 Lab File ID: 0818_27.D

Instrument: CHEM24 Column: RTX-VMS Date Received: 08/18/20

Purge Volume 200 (cc) Date Analyzed: 08/19/20

Matrix: AIR Dilution Factor: 1

CONCENTRATION UNITS: (ppbv or ug/m3) ppbv

CAS NO.	COMPOUND	CONC.	Q	MDL	PQL	R
75-71-8	Dichlorodifluoromethane	0.817		0.200	0.200	r
67-64-1	Acetone	6.24	S	1.00	1.00	r
75-69-4	Trichlorofluoromethane	8.65		0.150	0.150	r
75-09-2	Methylene Chloride	0.400	U	0.400	0.400	r
76-13-1	Trichlorotrifluoroethane	0.150	U	0.150	0.150	r
71-55-6	1,1,1-Trichloroethane	0.200	U	0.200	0.200	r
71-43-2	Benzene	0.066		0.050	0.050	r
108-88-3	Toluene	0.200	U	0.200	0.200	r
108-90-7	Chlorobenzene	0.200	U	0.200	0.200	r
100-41-4	Ethylbenzene	0.150	U	0.150	0.150	r
95-47-6	o-Xylene	0.150	U	0.150	0.150	r
541-73-1	1,3-Dichlorobenzene	0.150	U	0.150	0.150	r
95-50-1	1,2-Dichlorobenzene	0.150	U	0.150	0.150	r
120-82-1	1,2,4-Trichlorobenzene	0.250	U	0.250	0.250	r
75-01-4	Vinyl Chloride(sim)	0.020	U	0.020	0.020	r
56-23-5	Carbon Tetrachloride(sim)	0.082		0.020	0.020	r
75-35-4	1,1-Dichloroethene(sim)	0.050	U	0.050	0.050	r
156-59-2	Cis-1,2-Dichloroethene(sim)	0.050	U	0.050	0.050	r
79-01-6	Trichloroethene(sim)	0.037	U	0.037	0.037	r
127-18-4	Tetrachloroethene(sim)	0.100	U	0.100	0.100	r
179601-23-1	m,p-Xylene(sim)	0.150	U	0.150	0.150	r
106-46-7	1,4-Dichlorobenzene(sim)	0.150	U	0.150	0.150	r

FORM I AIR

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

Quantitation Report (QT Reviewed)

Data Path : H:\AIR2020\CHEM24\08AUG\18\
Data File : 0818_27.D
Acq On : 19 Aug 2020 9:45 am
Operator : Keith
Client ID : IA-DUP
Lab ID : CG56083
ALS Vial : 152 Sample Multiplier: 1

Quant Time: Dec 03 14:32:12 2020
Quant Method : H:\AIR2020\CHEM24\METHODS\24AIR_0810_wal.M
Quant Title : VOA Standards for 5 point calibration
QLast Update : Thu Dec 03 14:24:50 2020
Response via : Initial Calibration

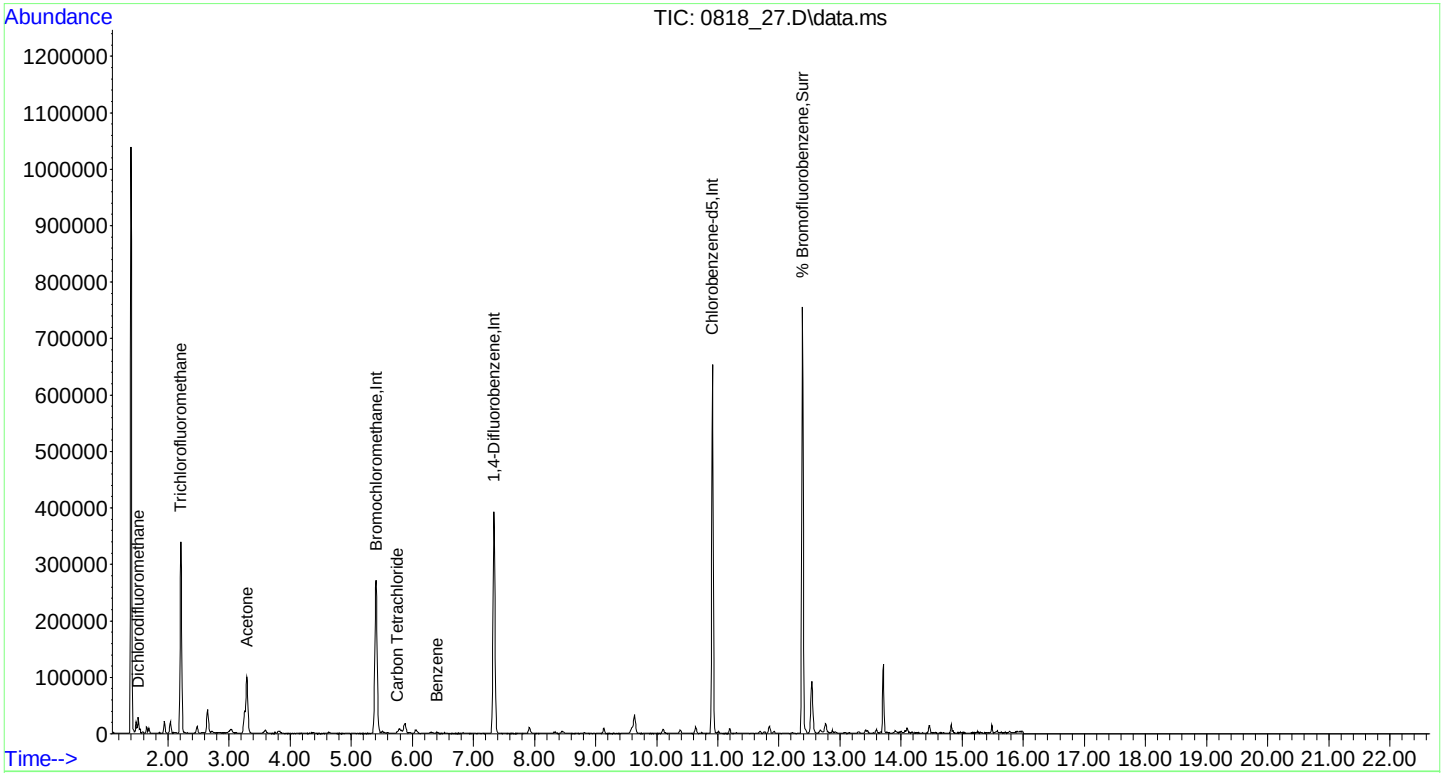
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Bromochloromethane	5.408	130	111059	10.000	ng		0.00
15) 1,4-Difluorobenzene	7.338	114	346327	10.000	ng		0.00
20) Chlorobenzene-d5	10.913	82	152905	10.000	ng		0.00
30) Bromochloromethane(sim)	5.411	130	122480	10.000	ng	#	0.00
41) 1,4-Difluorobenzene(sim)	7.338	114	346327	10.000	ng		0.00
47) Chlorobenzene-d5(sim)	10.913	82	152905	10.000	ng		0.00
System Monitoring Compounds							
25) % Bromofluorobenzene	12.387	95	232677	9.898	ppbv		0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 99.00%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.513	85	14748	0.817	ppbv		99
4) Acetone	3.293	43	155670	6.239	ppbv		94
5) Trichlorofluoromethane	2.211	101	232911	8.649	ppbv		98
13) Benzene	6.407	78	1606	0.066	ppbv#		89
14) Carbon Tetrachloride	5.761	117	2177	0.083	ppbv#		81
34] Carbon Tetrachloride(sim)	5.764	117	2393	0.082	ppbv		99

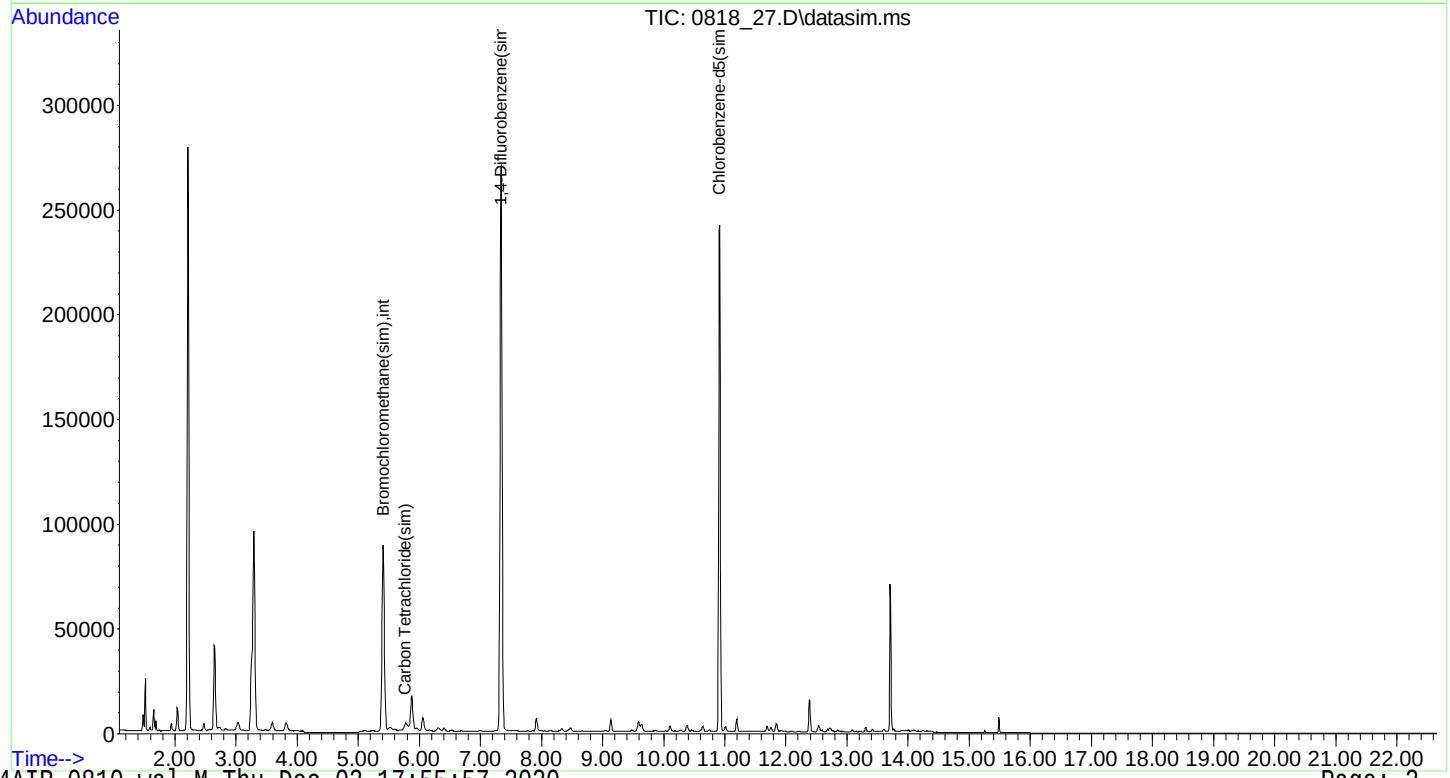
(#)out of range (m)manual integration reviewed by analyst (+)signals summed

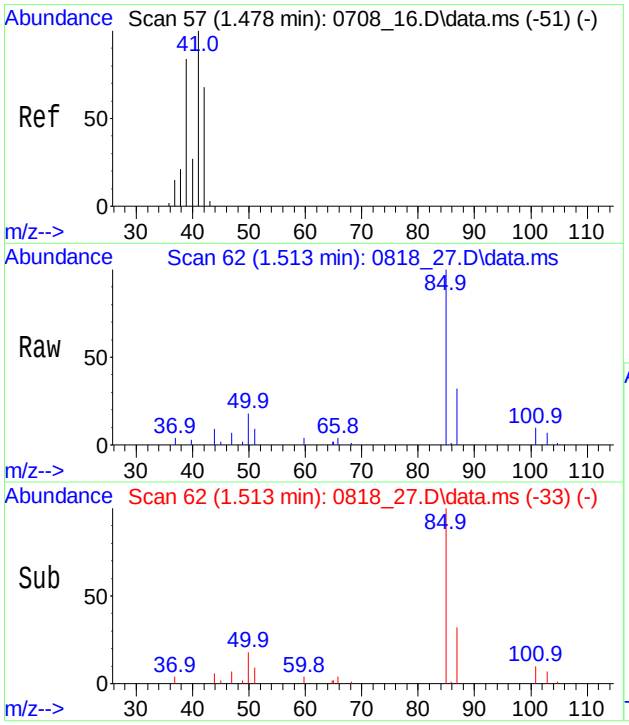
Quantitation Report (QT Reviewed)

Data Path : H:\AIR2020\CHEM24\08AUG\18\
Data File : 0818_27.D
Acq On : 19 Aug 2020 9:45 am
Operator : Keith
Client ID : IA-DUP
Lab ID : CG56083
ALS Vial : 152 Sample Multiplier: 1

Quant Time: Dec 03 14:32:12 2020
Quant Method : H:\AIR2020\CHEM24\METHODS\24AIR_0810_wal.M
Quant Title : VOA Standards for 5 point calibration
QLast Update : Thu Dec 03 14:24:50 2020
Response via : Initial Calibration



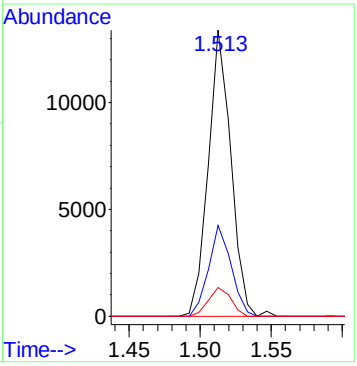


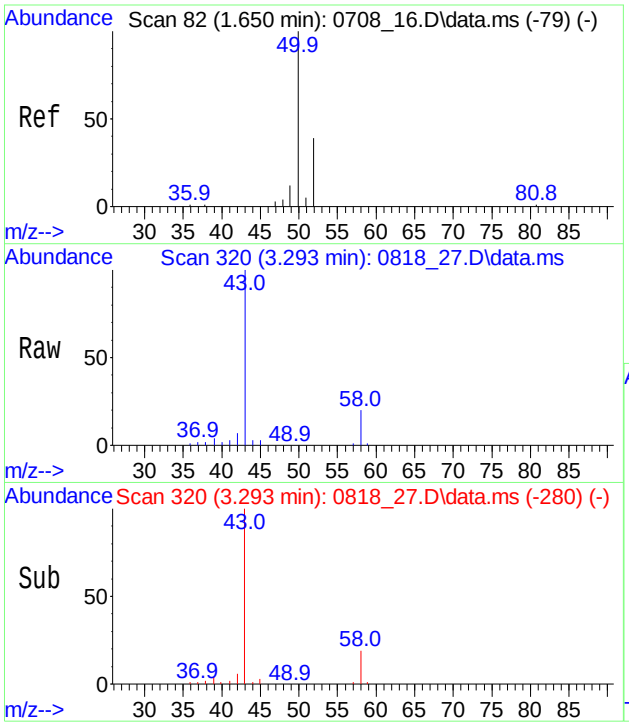


#2
Dichlorodifluoromethane
Conc: 8$ 0.817 ppbv
RT: 1.513 min Scan# 62
Delta R.T. 0.000 min
Lab File: 0818_27.D
Acq: 19 Aug 2020 9:45 am

Tgt Ion: 85 Resp: 14748

Ion	Ratio	Lower	Upper
85	100		
87	31.6	25.8	38.8
101	9.9	8.5	12.7

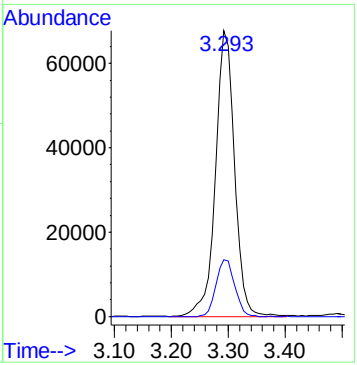


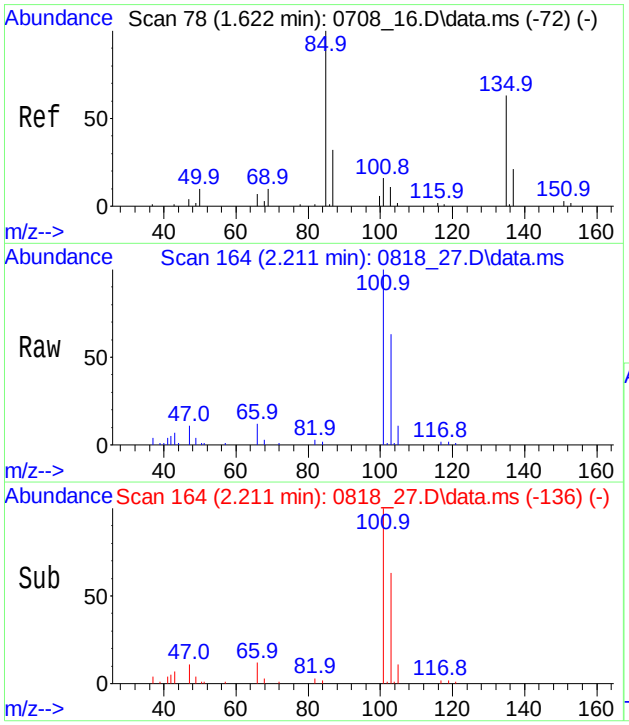


#4
Acetone
Conc: 8$ 6.239 ppbv
RT: 3.293 min Scan# 320
Delta R.T. -0.027 min
Lab File: 0818_27.D
Acq: 19 Aug 2020 9:45 am

Tgt Ion: 43 Resp: 155670

Ion	Ratio	Lower	Upper
43	100		
58	19.3	13.4	20.2

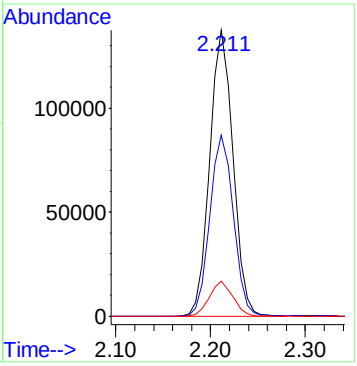


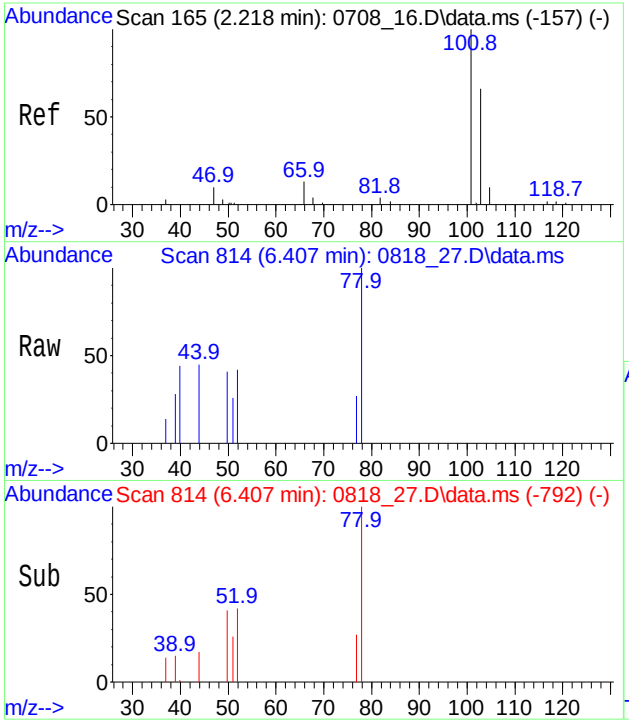


#5
Trichlorofluoromethane
Conc: 8$ 8.649 ppbv
RT: 2.211 min Scan# 164
Delta R.T. -0.007 min
Lab File: 0818_27.D
Acq: 19 Aug 2020 9:45 am

Tgt Ion:101 Resp: 232911

Ion	Ratio	Lower	Upper
101	100		
103	64.1	52.4	78.6
66	12.2	9.2	13.8

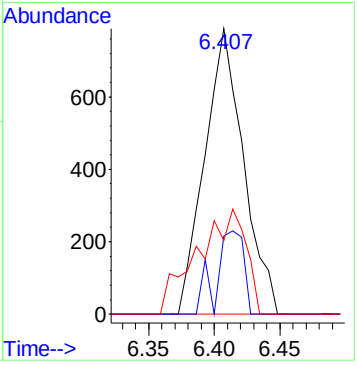


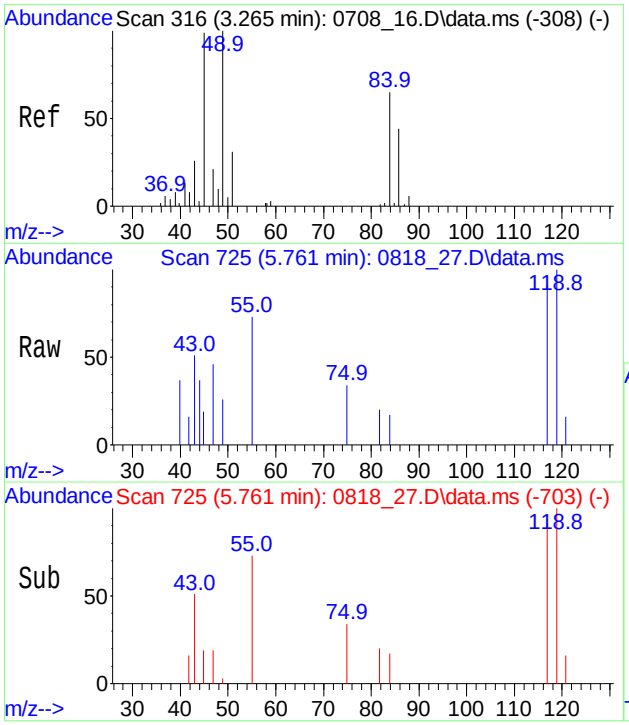


#13
Benzene
Conc: 8$ 0.066 ppbv
RT: 6.407 min Scan# 814
Delta R.T. 0.002 min
Lab File: 0818_27.D
Acq: 19 Aug 2020 9:45 am

Tgt Ion: 78 Resp: 1606

Ion	Ratio	Lower	Upper
78	100		
77	20.7	12.2	18.4#
51	46.3	31.9	47.9

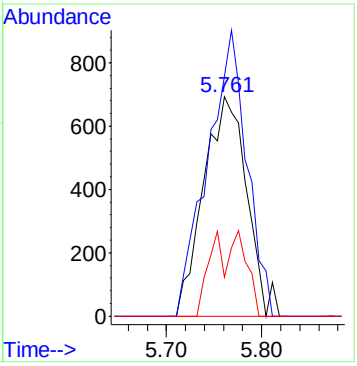


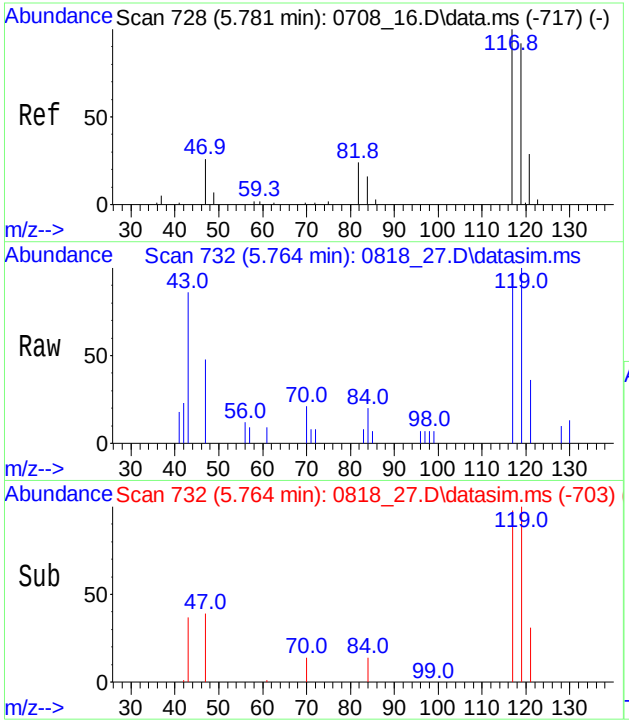


#14
Carbon Tetrachloride
Conc: 8$ Below Cal
RT: 5.761 min Scan# 725
Delta R.T. 0.009 min
Lab File: 0818_27.D
Acq: 19 Aug 2020 9:45 am

Tgt Ion:117 Resp: 2177

Ion	Ratio	Lower	Upper
117	100		
119	118.1	77.7	117.7#
121	15.8	1.8	41.8

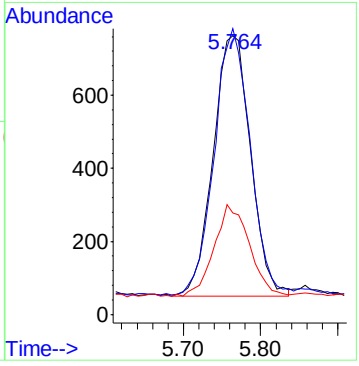




#34
Carbon Tetrachloride(sim)
Conc: 8$ 0.082 ppbv
RT: 5.764 min Scan# 732
Delta R.T. 0.009 min
Lab File: 0818_27.D
Acq: 19 Aug 2020 9:45 am

Tgt Ion:117 Resp: 2393

Ion	Ratio	Lower	Upper
117	100		
119	98.1	78.0	117.0
121	32.9	24.9	37.3



Response Factor Report Chem24

Method Path : H:\AIR2020\CHEM24\METHODS\
Method File : 24AIR_0810_wal.M
Title : VOA Standards for 5 point calibration
Last Update : Thu Dec 03 14:24:48 2020
Response Via : Initial Calibration

Calibration Files (Note: Curves (l,lf,q,qf) display calculated conc and corr. coefficient.)
.035=0810_04.D 0.05=0810_05.D 0.1 =0810_06.D 0.2 =0810_14.D 0.5 =0810_07.D 1.0 =0810_13.D 2.5 =0810_08.D 5.0 =0810_09.D
10 =0810_15.D 25 =0810_10.D 40 =0810_11.D 0.02=0810_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									
2)	Dichlorodifluo...				1.890	1.459	1.724	1.466	2.003	1.798	1.435	1.232		1.626		16.38
3)	Vinyl Chloride			1.030	0.950	0.970	0.966	0.927	1.029	0.988	0.910	0.873		0.960		5.44
4)	Acetone				3.158	2.435	2.363	1.943	2.027	2.017	2.044	1.985		2.247		18.30
5)	Trichlorofluor...			2.544	2.552	2.414	2.383	2.360	2.547	2.540	2.296	2.187		2.425		5.41
6)	1,1-Dichloroet...				1.879	1.703	1.707	1.649	1.803	1.735	1.603	1.545		1.703		6.28
7)	Methylene Chlo...				2.291	1.920	1.803	1.685	1.814	1.743	1.594	1.517		1.796		13.22
8)	Trichlorotrifl...				1.936	1.843	1.805	1.793	1.928	1.877	1.719	1.668		1.821		5.23
10)	Cis-1,2-Dichlo...			1.739	1.589	1.482	1.492	1.486	1.609	1.569	1.504	1.446		1.546		5.87
12)	1,1,1-Trichlor...			1.892	2.167	1.970	1.997	1.939	2.081	2.039	1.894	1.804		1.976		5.58
13)	Benzene		4.366	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.437	E4	316.07
14)	Carbon Tetrach...			2.409	2.529	2.209	2.363	2.277	2.467	2.469	2.292	2.204		2.358		5.04
15)	Int 1,4-Difluorobenzene	----------					ISTD									
17)	Trichloroethene			0.495	0.506	0.471	0.468	0.436	0.494	0.490	0.479	0.474		0.479		4.33
18)	Toluene			0.967	0.999	0.903	0.909	0.879	0.949	0.950	0.943	0.924		0.936		3.87
19)	Tetrachloroethene			0.600	0.605	0.567	0.556	0.531	0.580	0.589	0.566	0.549		0.571		4.27
20)	Int Chlorobenzene-d5	----------					ISTD									
21)	Chlorobenzene			2.112	2.223	2.008	1.998	1.962	2.066	2.098	2.024	2.001		2.055		3.90
22)	Ethylbenzene			3.243	3.060	2.911	2.824	2.790	2.911	2.948	2.758	2.668		2.901		5.94
23)	m,p-Xylene			2.350	2.336	2.238	1.784	2.181	2.259	2.303	2.161	2.123		2.193		7.85
24)	o-Xylene				2.568	2.277	2.227	2.236	2.340	2.390	2.305	2.283		2.328		4.74
25)	Surr% Bromofluorob...			1.521	1.557	1.517	1.524	1.552	1.517	1.567	1.539	1.542		1.537		1.22
26)	1,3-Dichlorobe...			1.975	2.058	1.808	1.934	1.830	1.826	1.864	1.793	1.731		1.869		5.46
27)	1,4-Dichlorobe...			1.825	1.997	1.673	1.815	1.756	1.755	1.825	1.749	1.734		1.792		5.11
28)	1,2-Dichlorobe...			1.645	1.652	1.475	1.489	1.462	1.389	1.435	1.407	1.402		1.484		6.69
29)	1,2,4-Trichlor...				0.957	0.745	0.861	0.822	0.682	0.721	0.747			0.791		12.04
30)	int Bromochloromethane...	----------					ISTD									
31)	Vinyl Chloride...	1.076	0.788	0.959	0.891	0.909	0.899	0.859	0.962					0.918		9.23
34)	Carbon Tetrach...	2.539	2.336	2.275	2.441	2.261	2.318	2.240	2.448				2.513	2.374		4.74
35)	1,1-Dichloroet...	1.983	1.985	1.705	1.762	1.591	1.587	1.528	1.685				1.696	1.725		9.48
39)	Cis-1,2-Dichlo...	1.684	1.527	1.619	1.490	1.382	1.389	1.377	1.504				1.941	1.546		11.79
41)	int 1,4-Difluorobenzen...	----------					ISTD									
44)	Trichloroethen...	0.589	0.529	0.526	0.544	0.500	0.503	0.482	0.530				0.620	0.536		8.21
46)	Tetrachloroeth...	0.745	0.630	0.637	0.662	0.610	0.607	0.587	0.634	0.645			0.706	0.646		7.38
47)	int Chlorobenzene-d5(sim)	----------					ISTD									
48)	m,p-Xylene(sim)	3.001	2.449	2.536	2.631	2.394	2.412	2.367	2.451					2.530		8.24
50)	1,4-Dichlorobe...	2.620	2.163	2.157	2.236	1.960	2.054	1.989	2.025					2.151		9.87

Method Path : H:\AIR2020\CHEM24\METHODS\
Method File : 24AIR_0810_wal.M
Title : VOA Standards for 5 point calibration

(#,$,@)=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
Client:
Lab Code: Phoenix
SDG No.: GCG56071
Instrument ID: CHEM24
Calibration Date From: 08/10/20 12:32
Heated Purge (Y/N): Y
Calibration Date Thru: 08/10/20 17:07
GC Column:
Method File: 24AIR_0810_wal.M

Laboratory File Ids

RRF1 0810_03.D RRF2 0810_04.D RRF3 0810_05.D RRF4 0810_06.D RRF5 0810_14.D RRF6 0810_07.D
RRF7 0810_13.D RRF8 0810_08.D RRF9 0810_09.D RRF10 0810_15.D RRF11 0810_10.D RRF12 0810_11.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					1.890	1.459	1.724	1.466	2.003	1.798	1.435	1.232	1.626	16.38
Vinyl Chloride				1.030	0.950	0.970	0.966	0.927	1.029	0.988	0.910	0.873	0.960	5.44
Acetone					3.158	2.435	2.363	1.943	2.027	2.017	2.044	1.985	2.247	18.30
Trichlorofluoromethane				2.544	2.552	2.414	2.383	2.360	2.547	2.540	2.296	2.187	2.425	5.41
1,1-Dichloroethene					1.879	1.703	1.707	1.649	1.803	1.735	1.603	1.545	1.703	6.28
Methylene Chloride					2.291	1.920	1.803	1.685	1.814	1.743	1.594	1.517	1.796	13.22
Trichlorotrifluoroethane					1.936	1.843	1.805	1.793	1.928	1.877	1.719	1.668	1.821	5.23
Cis-1,2-Dichloroethene				1.739	1.589	1.482	1.492	1.486	1.609	1.569	1.504	1.446	1.546	5.87
1,1,1-Trichloroethane				1.892	2.167	1.970	1.997	1.939	2.081	2.039	1.894	1.804	1.976	5.58
Benzene			2.569	2.350	2.252	2.162	2.101	2.072	2.213	2.123	2.043	1.949	2.183	8.08
Carbon Tetrachloride				2.409	2.529	2.209	2.363	2.277	2.467	2.469	2.292	2.204	2.358	5.04
Trichloroethene				0.495	0.506	0.471	0.468	0.436	0.494	0.490	0.479	0.474	0.479	4.33
Toluene				0.967	0.999	0.903	0.909	0.879	0.949	0.950	0.943	0.924	0.936	3.87
Tetrachloroethene				0.600	0.605	0.567	0.556	0.531	0.580	0.589	0.566	0.549	0.571	4.27
Chlorobenzene				2.112	2.223	2.008	1.998	1.962	2.066	2.098	2.024	2.001	2.055	3.90
Ethylbenzene				3.243	3.060	2.911	2.824	2.790	2.911	2.948	2.758	2.668	2.901	5.94
m,p-Xylene				2.350	2.336	2.238	1.784	2.181	2.259	2.303	2.161	2.123	2.193	7.85
o-Xylene					2.568	2.277	2.227	2.236	2.340	2.390	2.305	2.283	2.328	4.74
1,3-Dichlorobenzene				1.975	2.058	1.808	1.934	1.830	1.826	1.864	1.793	1.731	1.869	5.46
1,4-Dichlorobenzene				1.825	1.997	1.673	1.815	1.756	1.755	1.825	1.749	1.734	1.792	5.11
1,2-Dichlorobenzene				1.645	1.652	1.475	1.489	1.462	1.389	1.435	1.407	1.402	1.484	6.69
1,2,4-Trichlorobenzene					0.957	0.745	0.861	0.822	0.682	0.721	0.747		0.791	12.04
Vinyl Chloride(sim)		1.076	0.788	0.959	0.891	0.909	0.899	0.859	0.962				0.918	9.23
Carbon Tetrachloride(sim)	2.513	2.539	2.336	2.275	2.441	2.261	2.318	2.240	2.448				2.374	4.74
1,1-Dichloroethene(sim)	1.696	1.983	1.985	1.705	1.762	1.591	1.587	1.528	1.685				1.725	9.48

(#) The maximum %RSD was not met for this compound Note: m,p-xylene TV is 2 times the TV Listed

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

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

6B
AIR INITIAL CALIBRATION DATA

Lab Name: Phoenix Environmental Labs | Client:

Lab Code: Phoenix | SDG No.: GCG56071

Instrument ID: CHEM24 | Calibration Date From: 08/10/20 12:32

Heated Purge (Y/N): Y | Calibration Date Thru: 08/10/20 17:07

GC Column: | Method File: 24AIR_0810_wal.M

Laboratory File Ids

RRF1 0810_03.D RRF2 0810_04.D RRF3 0810_05.D RRF4 0810_06.D RRF5 0810_14.D RRF6 0810_07.D
RRF7 0810_13.D RRF8 0810_08.D RRF9 0810_09.D RRF10 0810_15.D RRF11 0810_10.D RRF12 0810_11.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
Cis-1,2-Dichloroethene(sim)	1.941	1.684	1.527	1.619	1.490	1.382	1.389	1.377	1.504				1.546	11.79
Trichloroethene(sim)	0.620	0.589	0.529	0.526	0.544	0.500	0.503	0.482	0.530				0.536	8.21
Tetrachloroethene(sim)	0.706	0.745	0.630	0.637	0.662	0.610	0.607	0.587	0.634	0.645			0.646	7.38
m,p-Xylene(sim)		3.001	2.449	2.536	2.631	2.394	2.412	2.367	2.451				2.530	8.24
1,4-Dichlorobenzene(sim)		2.620	2.163	2.157	2.236	1.960	2.054	1.989	2.025				2.151	9.87
% Bromofluorobenzene				1.521	1.557	1.517	1.524	1.552	1.517	1.567	1.539	1.542	1.537	1.22

(#) 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

Quantitation Report (RF) (QT Reviewed)

Data Path : H:\AIR2020\CHEM24\08AUG\10\
Data File : 0810_03.D
Acq On : 10 Aug 2020 10:07 am
Operator : Keith
Client ID : ICAL 0.02
Lab ID : 0.02
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Dec 03 14:12:56 2020
Quant Method : H:\AIR2020\CHEM24\METHODS\24AIR_0810_wal.M
Quant Title : VOA Standards for 5 point calibration
QLast Update : Thu Dec 03 14:12:41 2020
Response via : Initial Calibration

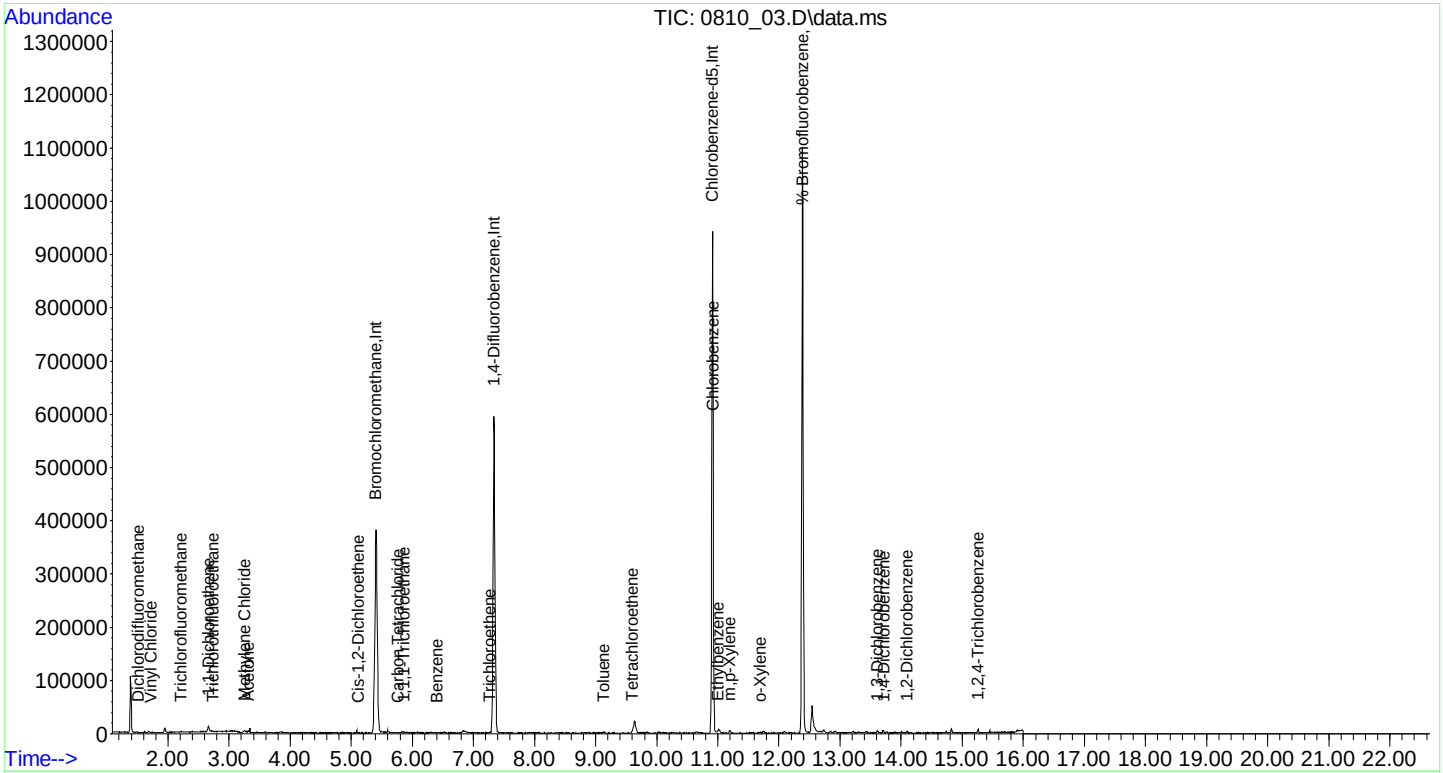
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Bromochloromethane	5.406	130	178864	10.000	ng		0.00
15) 1,4-Difluorobenzene	7.336	114	579495	10.000	ng		0.00
20) Chlorobenzene-d5	10.911	82	239993	10.000	ng		0.00
30) Bromochloromethane(sim)	5.408	130	189812	10.000	ng	#	0.00
41) 1,4-Difluorobenzene(sim)	7.336	114	579495	10.000	ng		0.00
47) Chlorobenzene-d5(sim)	10.911	82	239993	10.000	ng		0.00
System Monitoring Compounds							
25) % Bromofluorobenzene	12.385	95	364218	9.858	ppbv		0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 98.60%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.512	85	838	0.029	ppbv	#	92
3) Vinyl Chloride	1.725	62	364	0.021	ppbv		96
4) Acetone	3.320	43	4696	0.117	ppbv		96
5) Trichlorofluoromethane	2.218	101	1073	0.025	ppbv	#	95
6) 1,1-Dichloroethene	2.663	61	644	0.021	ppbv	#	73
7) Methylene Chloride	3.251	49	2885	0.090	ppbv		98
8) Trichlorotrifluoroethane	2.738	101	707	0.022	ppbv	#	64
10) Cis-1,2-Dichloroethene	5.117	61	737	0.027	ppbv	#	52
12) 1,1,1-Trichloroethane	5.860	97	802	0.023	ppbv	#	28
13) Benzene	6.411	78	1139	0.030	ppbv	#	82
14) Carbon Tetrachloride	5.766	117	472	0.011	ppbv	#	24
17) Trichloroethene	7.267	130	548	0.020	ppbv	#	80
18) Toluene	9.134	91	1324	0.024	ppbv	#	89
19) Tetrachloroethene	9.603	166	751	0.023	ppbv		96
21) Chlorobenzene	10.924	112	1218	0.025	ppbv	#	1
22) Ethylbenzene	11.007	91	1671	0.024	ppbv		89
23) m,p-Xylene	11.199	91	2641	0.050	ppbv	#	93
24) o-Xylene	11.693	91	1407	0.025	ppbv		92
26) 1,3-Dichlorobenzene	13.611	146	991	0.022	ppbv		87
27) 1,4-Dichlorobenzene	13.715	146	952	0.022	ppbv		96
28) 1,2-Dichlorobenzene	14.092	146	904	0.025	ppbv	#	86
29) 1,2,4-Trichlorobenzene	15.254	180	502	0.026	ppbv	#	86
31) Vinyl Chloride(sim)	1.725	62	364	0.021	ppbv		96
34) Carbon Tetrachloride(sim)	5.762	117	954	0.021	ppbv		98
35) 1,1-Dichloroethene(sim)	2.663	61	644	0.020	ppbv	#	73
39) Cis-1,2-Dichloroethene...	5.117	61	737	0.025	ppbv	#	52
44) Trichloroethene(sim)	7.270	130	719	0.023	ppbv		93
46) Tetrachloroethene(sim)	9.606	166	818	0.022	ppbv		92
48) m,p-Xylene(sim)	11.195	91	2752	0.045	ppbv		99
50) 1,4-Dichlorobenzene(sim)	13.712	146	1165	0.023	ppbv		98

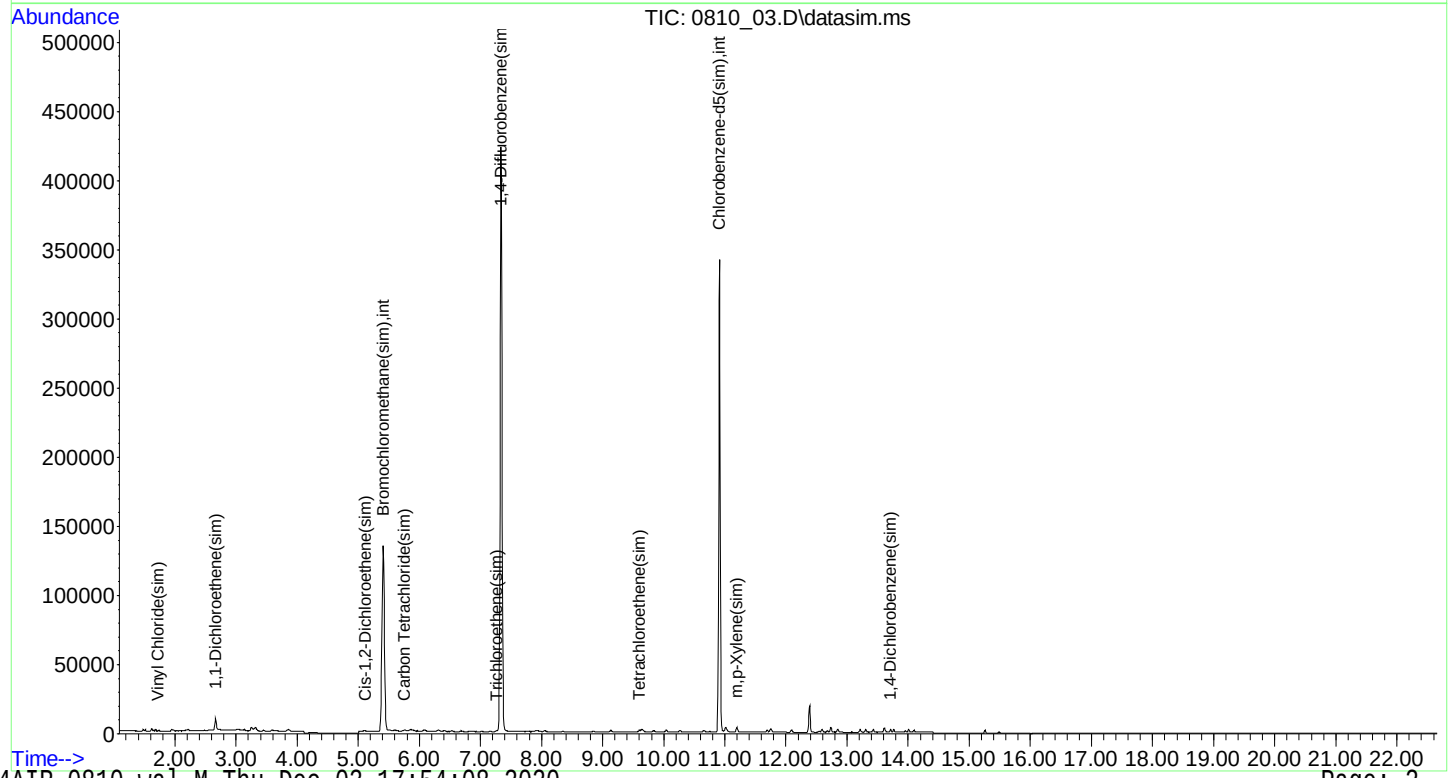
(#)out of range (m)manual integration reviewed by analyst (+)signals summed

Quantitation Report (RF) (QT Reviewed)

Data Path : H:\AIR2020\CHEM24\08AUG\10\
Data File : 0810_03.D
Acq On : 10 Aug 2020 10:07 am
Operator : Keith
Client ID : ICAL 0.02
Lab ID : 0.02
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Dec 03 14:12:56 2020
Quant Method : H:\AIR2020\CHEM24\METHODS\24AIR_0810_wal.M
Quant Title : VOA Standards for 5 point calibration
QLast Update : Thu Dec 03 14:12:41 2020
Response via : Initial Calibration





Data Path : H:\AIR2020\CHEM24\08AUG\10\
Data File : 0810_04.D
Acq On : 10 Aug 2020 10:38 am
Operator : Keith
Client ID : ICAL 0.035
Lab ID : 0.035
ALS Vial : 8 Sample Multiplier: 1

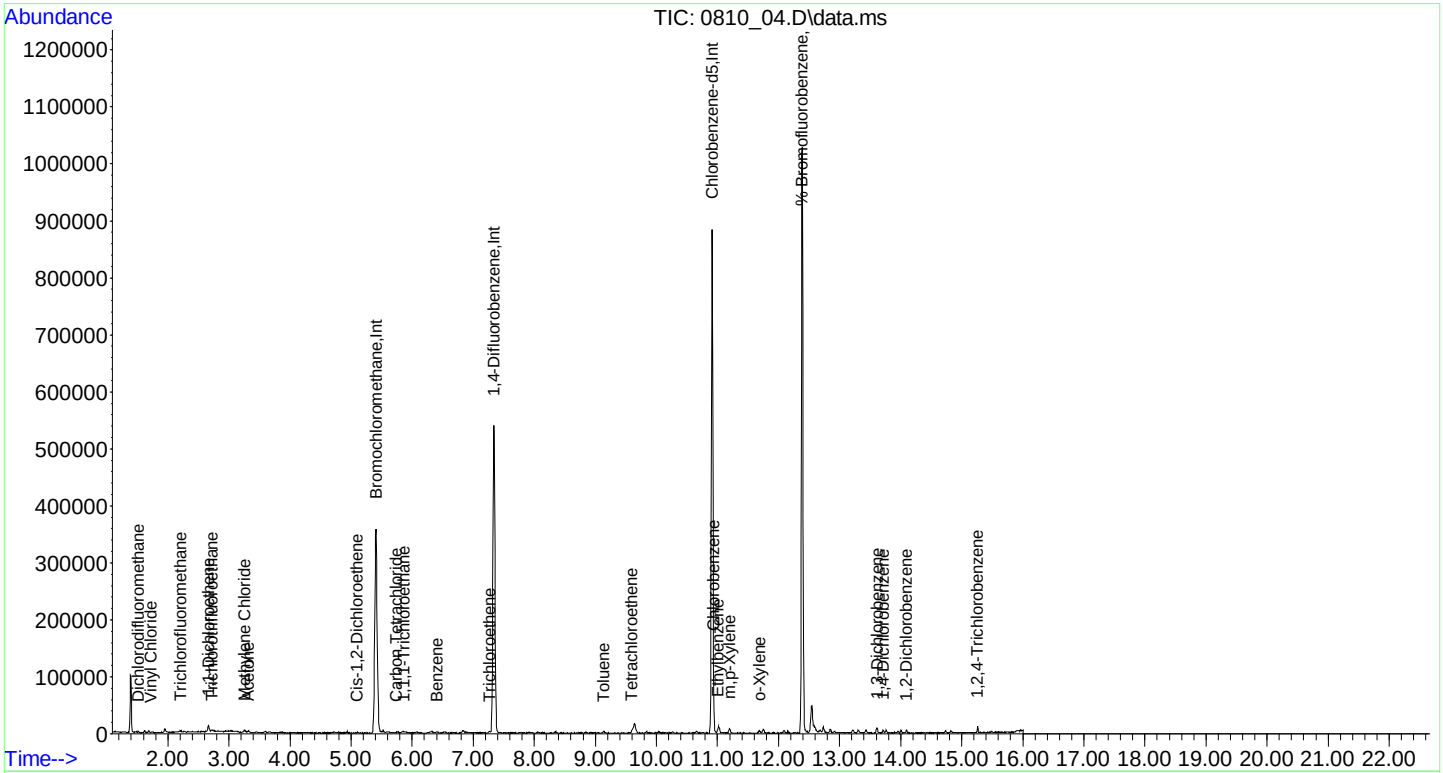
Quant Time: Dec 03 14:13:23 2020
Quant Method : H:\AIR2020\CHEM24\METHODS\24AIR_0810_wal.M
Quant Title : VOA Standards for 5 point calibration
QLast Update : Thu Dec 03 14:13:15 2020
Response via : Initial Calibration

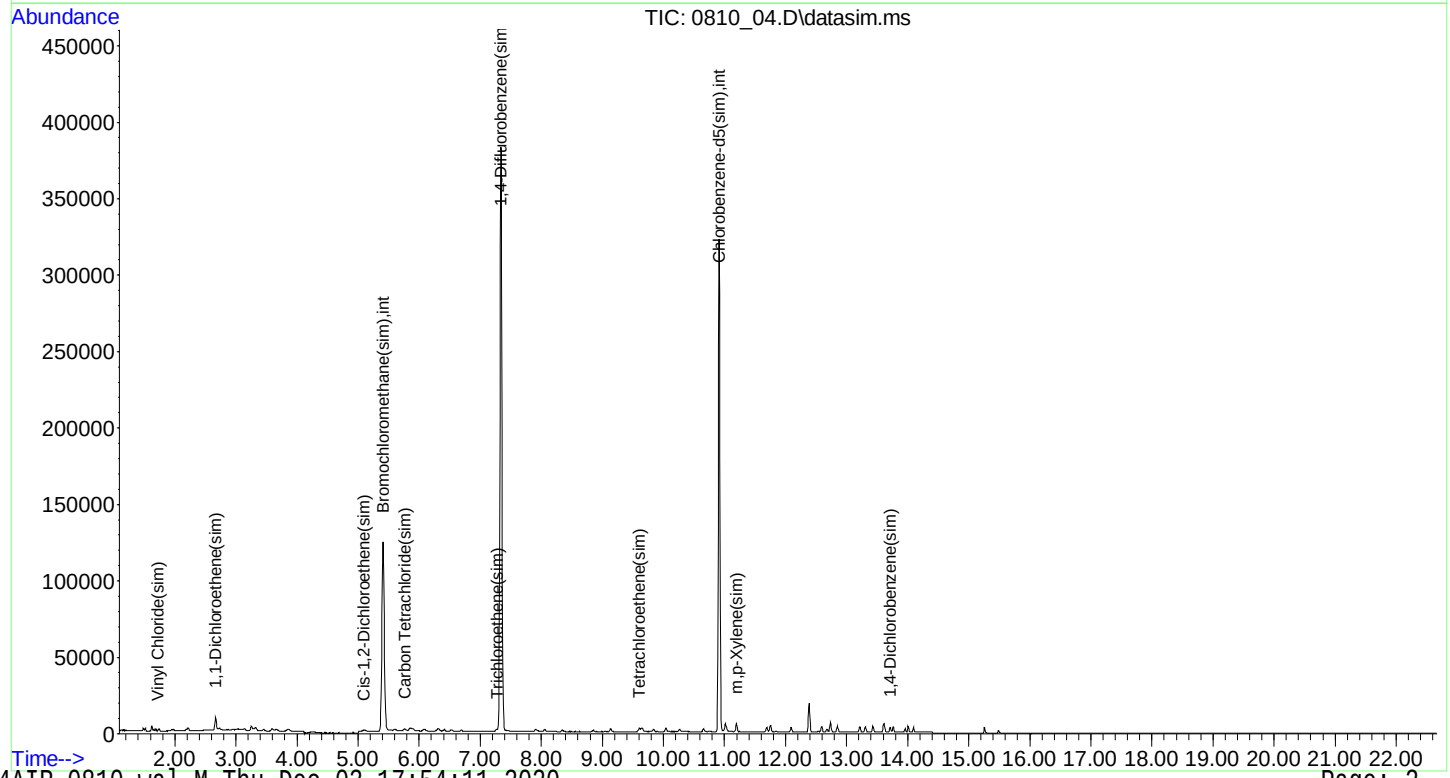
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Bromochloromethane	5.410	130	166704	10.000	ng		0.00
15) 1,4-Difluorobenzene	7.340	114	542342	10.000	ng		0.00
20) Chlorobenzene-d5	10.915	82	226038	10.000	ng		0.00
30) Bromochloromethane(sim)	5.413	130	176816	10.000	ng	#	0.00
41) 1,4-Difluorobenzene(sim)	7.340	114	542337	10.000	ng		0.00
47) Chlorobenzene-d5(sim)	10.915	82	226038	10.000	ng		0.00
System Monitoring Compounds							
25) % Bromofluorobenzene	12.383	95	346852	9.968	ppbv		0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	99.70%			
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.513	85	1410	0.052	ppbv	#	87
3) Vinyl Chloride	1.725	62	666	0.042	ppbv		75
4) Acetone	3.320	43	4021	0.107	ppbv		99
5) Trichlorofluoromethane	2.211	101	1675	0.041	ppbv	#	97
6) 1,1-Dichloroethene	2.663	61	1227	0.043	ppbv	#	82
7) Methylene Chloride	3.251	49	3030	0.101	ppbv		96
8) Trichlorotrifluoroethane	2.725	101	1351	0.045	ppbv	#	90
10) Cis-1,2-Dichloroethene	5.100	61	1042	0.040	ppbv	#	25
12) 1,1,1-Trichloroethane	5.864	97	1514	0.046	ppbv	#	3
13) Benzene	6.409	78	1712	0.048	ppbv	#	88
14) Carbon Tetrachloride	5.742	117	1394	0.035	ppbv		96
17) Trichloroethene	7.265	130	1042	0.040	ppbv	#	82
18) Toluene	9.138	91	2336	0.046	ppbv		89
19) Tetrachloroethene	9.600	166	1317	0.042	ppbv		88
21) Chlorobenzene	10.935	112	1864	0.040	ppbv	#	55
22) Ethylbenzene	11.011	91	2734	0.042	ppbv		78
23) m,p-Xylene	11.196	91	4552	0.092	ppbv	#	94
24) o-Xylene	11.690	91	2421	0.046	ppbv		95
26) 1,3-Dichlorobenzene	13.616	146	1919	0.045	ppbv		94
27) 1,4-Dichlorobenzene	13.713	146	2021	0.050	ppbv		88
28) 1,2-Dichlorobenzene	14.096	146	1474	0.044	ppbv	#	77
29) 1,2,4-Trichlorobenzene	15.252	180	842	0.047	ppbv	#	87
31) Vinyl Chloride(sim)	1.725	62	666	0.041	ppbv	#	75
34) Carbon Tetrachloride(sim)	5.766	117	1571	0.037	ppbv		98
35) 1,1-Dichloroethene(sim)	2.663	61	1227	0.040	ppbv	#	82
39) Cis-1,2-Dichloroethene...	5.100	61	1042	0.038	ppbv	#	25
44) Trichloroethene(sim)	7.275	130	1118	0.038	ppbv		91
46) Tetrachloroethene(sim)	9.603	166	1414	0.040	ppbv		95
48) m,p-Xylene(sim)	11.199	91	4749	0.083	ppbv		99
50) 1,4-Dichlorobenzene(sim)	13.716	146	2073	0.043	ppbv		99

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

Data Path : H:\AIR2020\CHEM24\08AUG\10\
Data File : 0810_04.D
Acq On : 10 Aug 2020 10:38 am
Operator : Keith
Client ID : ICAL 0.035
Lab ID : 0.035
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Dec 03 14:13:23 2020
Quant Method : H:\AIR2020\CHEM24\METHODS\24AIR_0810_wal.M
Quant Title : VOA Standards for 5 point calibration
QLast Update : Thu Dec 03 14:13:15 2020
Response via : Initial Calibration





Quantitation Report (RF) (QT Reviewed)

Data Path : H:\AIR2020\CHEM24\08AUG\10\
Data File : 0810_05.D
Acq On : 10 Aug 2020 11:10 am
Operator : Keith
Client ID : ICAL 0.05
Lab ID : 0.05
ALS Vial : 9 Sample Multiplier: 1

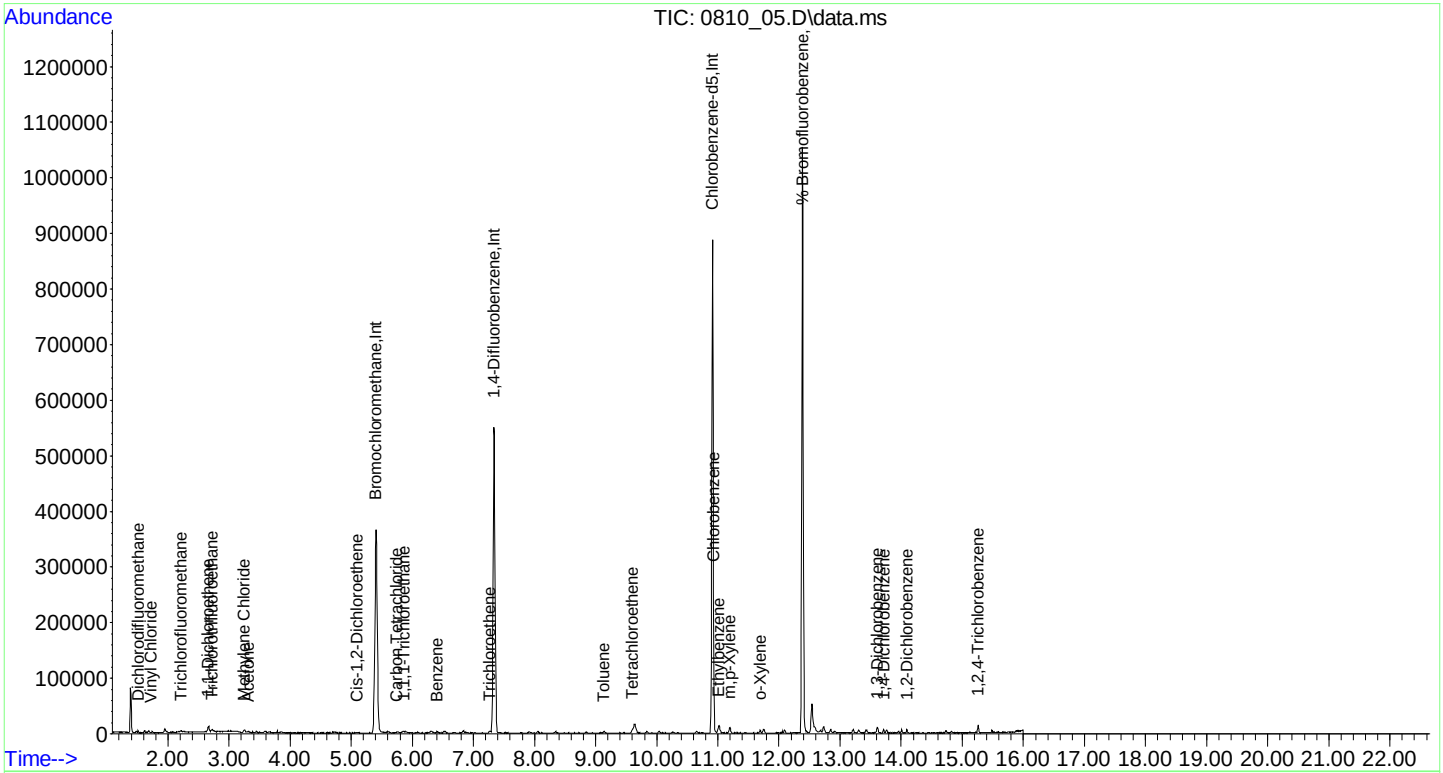
Quant Time: Dec 03 14:23:16 2020
Quant Method : H:\AIR2020\CHEM24\METHODS\24AIR_0810_wal.M
Quant Title : VOA Standards for 5 point calibration
QLast Update : Thu Dec 03 14:22:55 2020
Response via : Initial Calibration

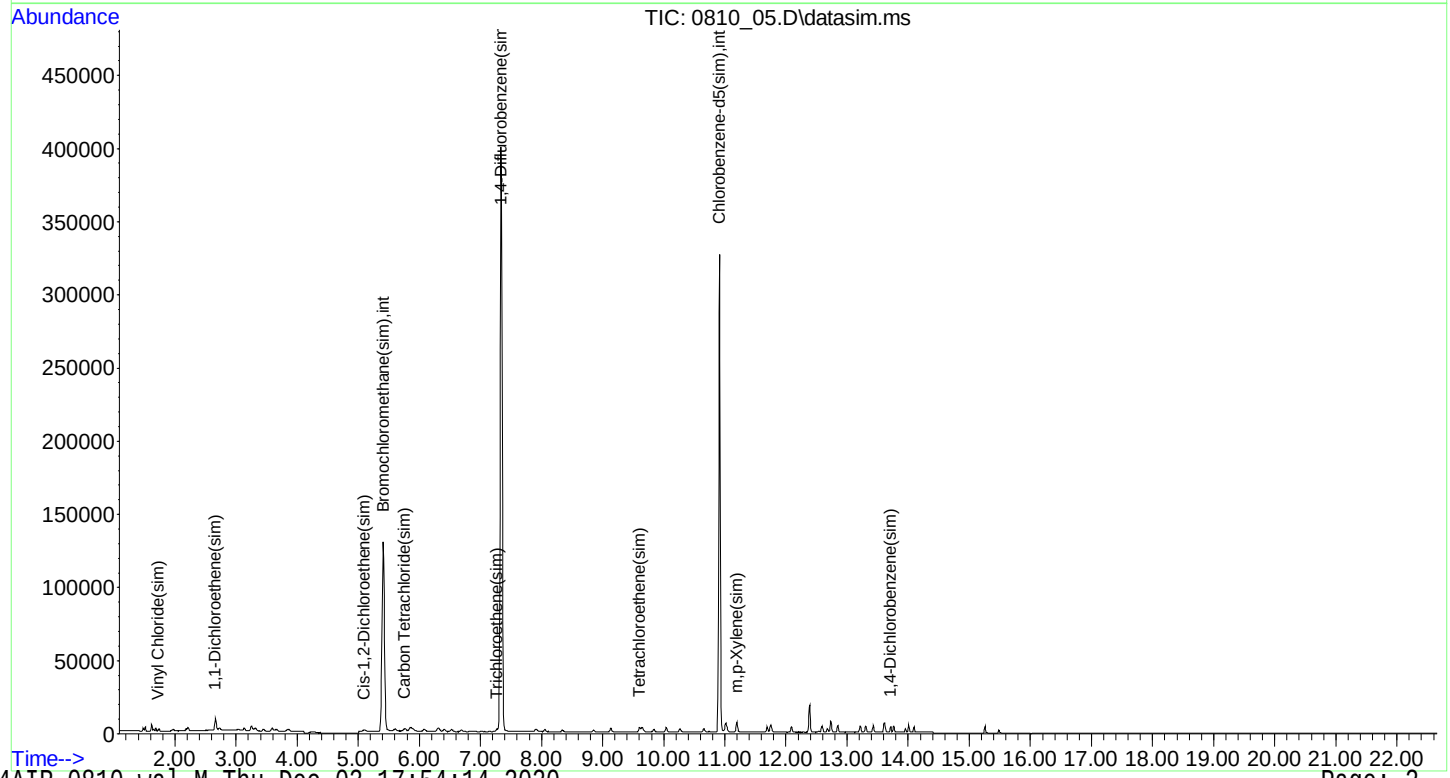
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Bromochloromethane	5.406	130	169928	10.000	ng		0.00
15) 1,4-Difluorobenzene	7.336	114	546644	10.000	ng		0.00
20) Chlorobenzene-d5	10.911	82	227360	10.000	ng		0.00
30) Bromochloromethane(sim)	5.408	130	180256	10.000	ng	#	0.00
41) 1,4-Difluorobenzene(sim)	7.336	114	546644	10.000	ng		0.00
47) Chlorobenzene-d5(sim)	10.911	82	227360	10.000	ng		0.00
System Monitoring Compounds							
25) % Bromofluorobenzene	12.385	95	344992	9.870	ppbv		0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 98.70%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.512	85	1769	0.064	ppbv		100
3) Vinyl Chloride	1.725	62	710	0.044	ppbv		100
4) Acetone	3.320	43	4734	0.124	ppbv		100
5) Trichlorofluoromethane	2.218	101	1938	0.047	ppbv		100
6) 1,1-Dichloroethene	2.656	61	1789	0.062	ppbv		100
7) Methylene Chloride	3.244	49	3722	0.122	ppbv		100
8) Trichlorotrifluoroethane	2.725	101	1591	0.051	ppbv		100
10) Cis-1,2-Dichloroethene	5.096	61	1376	0.052	ppbv		100
12) 1,1,1-Trichloroethane	5.860	97	1708	0.051	ppbv		100
13) Benzene	6.405	78	2183	0.060	ppbv		100
14) Carbon Tetrachloride	5.752	117	2162	0.054	ppbv		100
17) Trichloroethene	7.267	130	1551	0.059	ppbv		100
18) Toluene	9.134	91	2969	0.058	ppbv		100
19) Tetrachloroethene	9.603	166	1742	0.056	ppbv		100
21) Chlorobenzene	10.931	112	2309	0.049	ppbv		100
22) Ethylbenzene	11.014	91	3422	0.052	ppbv		100
23) m,p-Xylene	11.192	91	5093	0.102	ppbv		100
24) o-Xylene	11.693	91	2901	0.055	ppbv		100
26) 1,3-Dichlorobenzene	13.618	146	2410	0.057	ppbv		100
27) 1,4-Dichlorobenzene	13.715	146	2130	0.052	ppbv		100
28) 1,2-Dichlorobenzene	14.092	146	1957	0.058	ppbv		100
29) 1,2,4-Trichlorobenzene	15.254	180	1063	0.059	ppbv		100
31] Vinyl Chloride(sim)	1.725	62	710	0.043	ppbv		100
34] Carbon Tetrachloride(sim)	5.754	117	2105	0.049	ppbv		100
35] 1,1-Dichloroethene(sim)	2.656	61	1789	0.058	ppbv		100
39] Cis-1,2-Dichloroethene...	5.096	61	1376	0.049	ppbv		100
44] Trichloroethene(sim)	7.270	130	1445	0.049	ppbv		100
46] Tetrachloroethene(sim)	9.606	166	1721	0.049	ppbv		100
48] m,p-Xylene(sim)	11.195	91	5568	0.097	ppbv		100
50] 1,4-Dichlorobenzene(sim)	13.712	146	2459	0.050	ppbv		100

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

Data Path : H:\AIR2020\CHEM24\08AUG\10\
Data File : 0810_05.D
Acq On : 10 Aug 2020 11:10 am
Operator : Keith
Client ID : ICAL 0.05
Lab ID : 0.05
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Dec 03 14:23:16 2020
Quant Method : H:\AIR2020\CHEM24\METHODS\24AIR_0810_wal.M
Quant Title : VOA Standards for 5 point calibration
QLast Update : Thu Dec 03 14:22:55 2020
Response via : Initial Calibration





Quantitation Report (RF) (QT Reviewed)

Data Path : H:\AIR2020\CHEM24\08AUG\10\
Data File : 0810_06.D
Acq On : 10 Aug 2020 11:55 am
Operator : Keith
Client ID : ICAL 0.1
Lab ID : 0.10
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Dec 03 14:14:12 2020
Quant Method : H:\AIR2020\CHEM24\METHODS\24AIR_0810_wal.M
Quant Title : VOA Standards for 5 point calibration
QLast Update : Thu Dec 03 14:14:04 2020
Response via : Initial Calibration

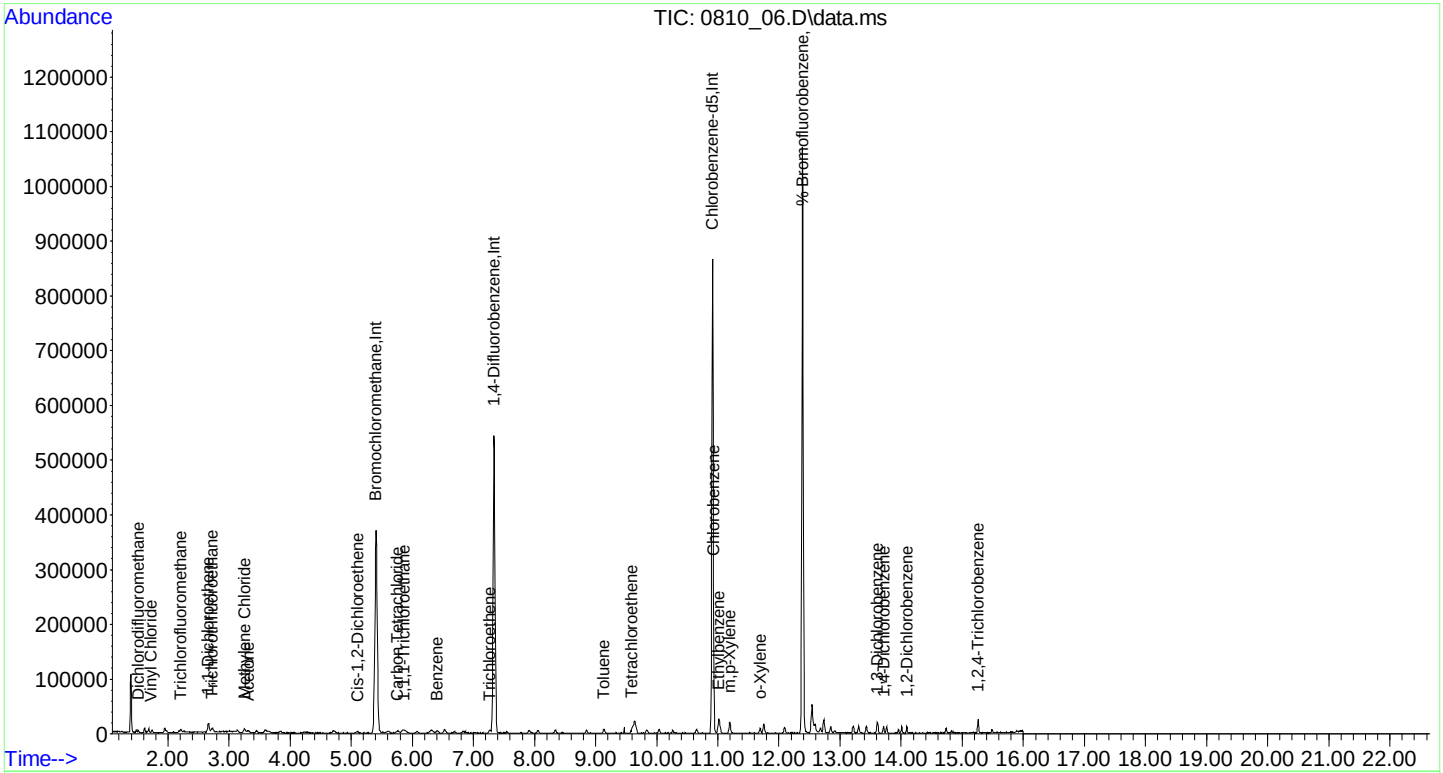
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Bromochloromethane	5.406	130	167485	10.000	ng		0.00
15) 1,4-Difluorobenzene	7.336	114	539617	10.000	ng		0.00
20) Chlorobenzene-d5	10.911	82	227117	10.000	ng		0.00
30) Bromochloromethane(sim)	5.408	130	179824	10.000	ng	#	0.00
41) 1,4-Difluorobenzene(sim)	7.336	114	539617	10.000	ng		0.00
47) Chlorobenzene-d5(sim)	10.911	82	227117	10.000	ng		0.00
System Monitoring Compounds							
25) % Bromofluorobenzene	12.385	95	345348	9.878	ppbv		0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 98.80%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.512	85	3098	0.114	ppbv		98
3) Vinyl Chloride	1.725	62	1725	0.107	ppbv		84
4) Acetone	3.320	43	7858	0.209	ppbv#		92
5) Trichlorofluoromethane	2.211	101	4261	0.105	ppbv		96
6) 1,1-Dichloroethene	2.656	61	3066	0.107	ppbv		94
7) Methylene Chloride	3.251	49	4946	0.164	ppbv		99
8) Trichlorotrifluoroethane	2.725	101	3306	0.108	ppbv#		91
10) Cis-1,2-Dichloroethene	5.103	61	2912	0.112	ppbv		97
12) 1,1,1-Trichloroethane	5.860	97	3168	0.096	ppbv#		84
13) Benzene	6.405	78	3936	0.110	ppbv#		87
14) Carbon Tetrachloride	5.759	117	4035	0.102	ppbv		90
17) Trichloroethene	7.267	130	2673	0.103	ppbv#		83
18) Toluene	9.134	91	5216	0.103	ppbv#		83
19) Tetrachloroethene	9.596	166	3238	0.105	ppbv		96
21) Chlorobenzene	10.931	112	4797	0.103	ppbv#		53
22) Ethylbenzene	11.014	91	7366	0.112	ppbv		93
23) m,p-Xylene	11.199	91	10676	0.214	ppbv		97
24) o-Xylene	11.693	91	5336	0.101	ppbv#		91
26) 1,3-Dichlorobenzene	13.618	146	4486	0.106	ppbv#		88
27) 1,4-Dichlorobenzene	13.715	146	4144	0.102	ppbv		96
28) 1,2-Dichlorobenzene	14.092	146	3736	0.111	ppbv		96
29) 1,2,4-Trichlorobenzene	15.254	180	1973	0.110	ppbv#		85
31) Vinyl Chloride(sim)	1.725	62	1725	0.105	ppbv#		84
34) Carbon Tetrachloride(sim)	5.762	117	4091	0.096	ppbv		98
35) 1,1-Dichloroethene(sim)	2.656	61	3066	0.099	ppbv		94
39) Cis-1,2-Dichloroethene...	5.103	61	2912	0.105	ppbv		94
44) Trichloroethene(sim)	7.270	130	2837	0.098	ppbv		98
46) Tetrachloroethene(sim)	9.606	166	3440	0.099	ppbv		97
48) m,p-Xylene(sim)	11.195	91	11521	0.200	ppbv		99
50) 1,4-Dichlorobenzene(sim)	13.712	146	4898	0.100	ppbv		98

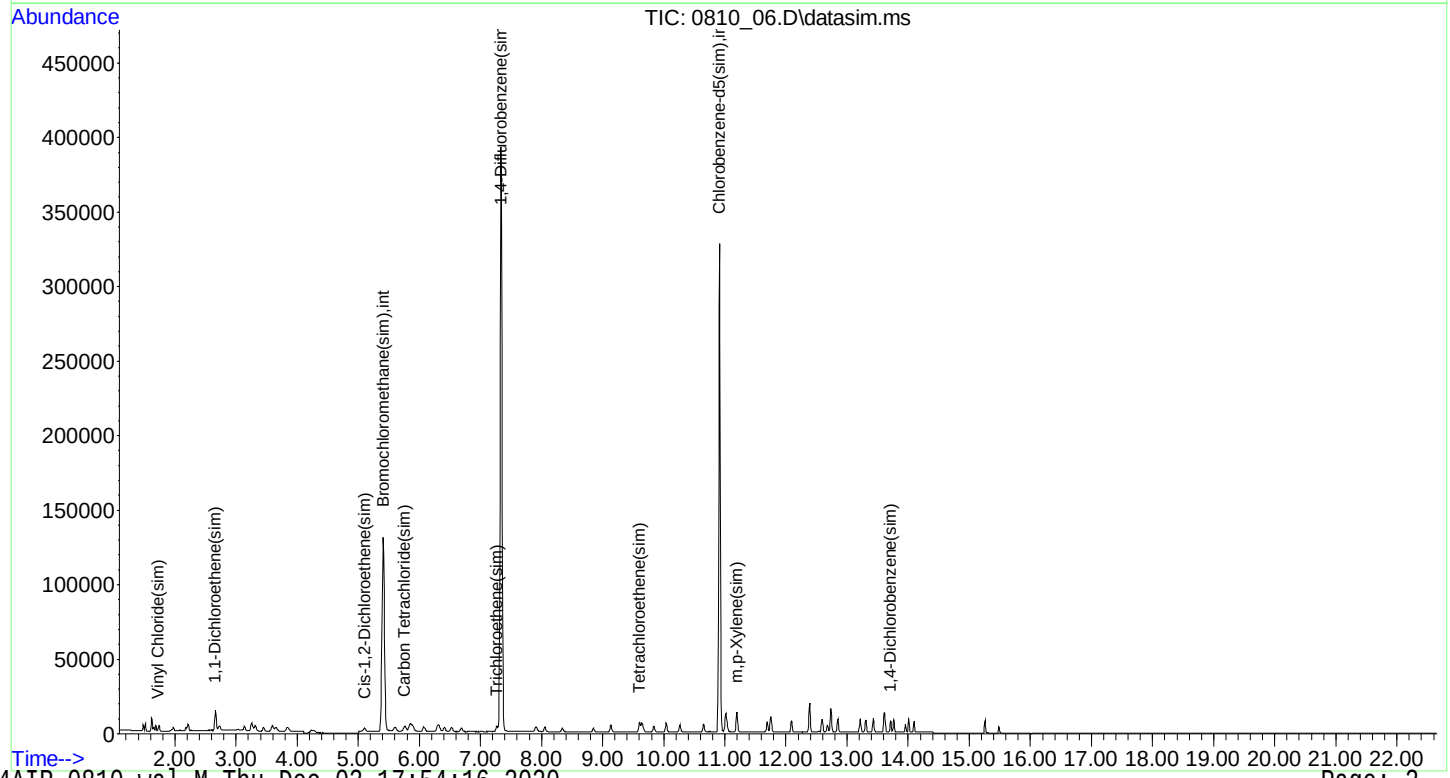
(#)out of range (m)manual integration reviewed by analyst (+)signals summed

Quantitation Report (RF) (QT Reviewed)

Data Path : H:\AIR2020\CHEM24\08AUG\10\
Data File : 0810_06.D
Acq On : 10 Aug 2020 11:55 am
Operator : Keith
Client ID : ICAL 0.1
Lab ID : 0.10
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Dec 03 14:14:12 2020
Quant Method : H:\AIR2020\CHEM24\METHODS\24AIR_0810_wal.M
Quant Title : VOA Standards for 5 point calibration
QLast Update : Thu Dec 03 14:14:04 2020
Response via : Initial Calibration





Quantitation Report (RF) (QT Reviewed)

Data Path : H:\AIR2020\CHEM24\08AUG\10\
Data File : 0810_07.D
Acq On : 10 Aug 2020 12:32 pm
Operator : Keith
Client ID : ICAL 0.5
Lab ID : 0.5
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Dec 03 13:56:38 2020
Quant Method : H:\AIR2020\CHEM24\METHODS\24AIR_0810_wal.M
Quant Title : VOA Standards for 5 point calibration
QLast Update : Thu Dec 03 13:56:25 2020
Response via : Initial Calibration

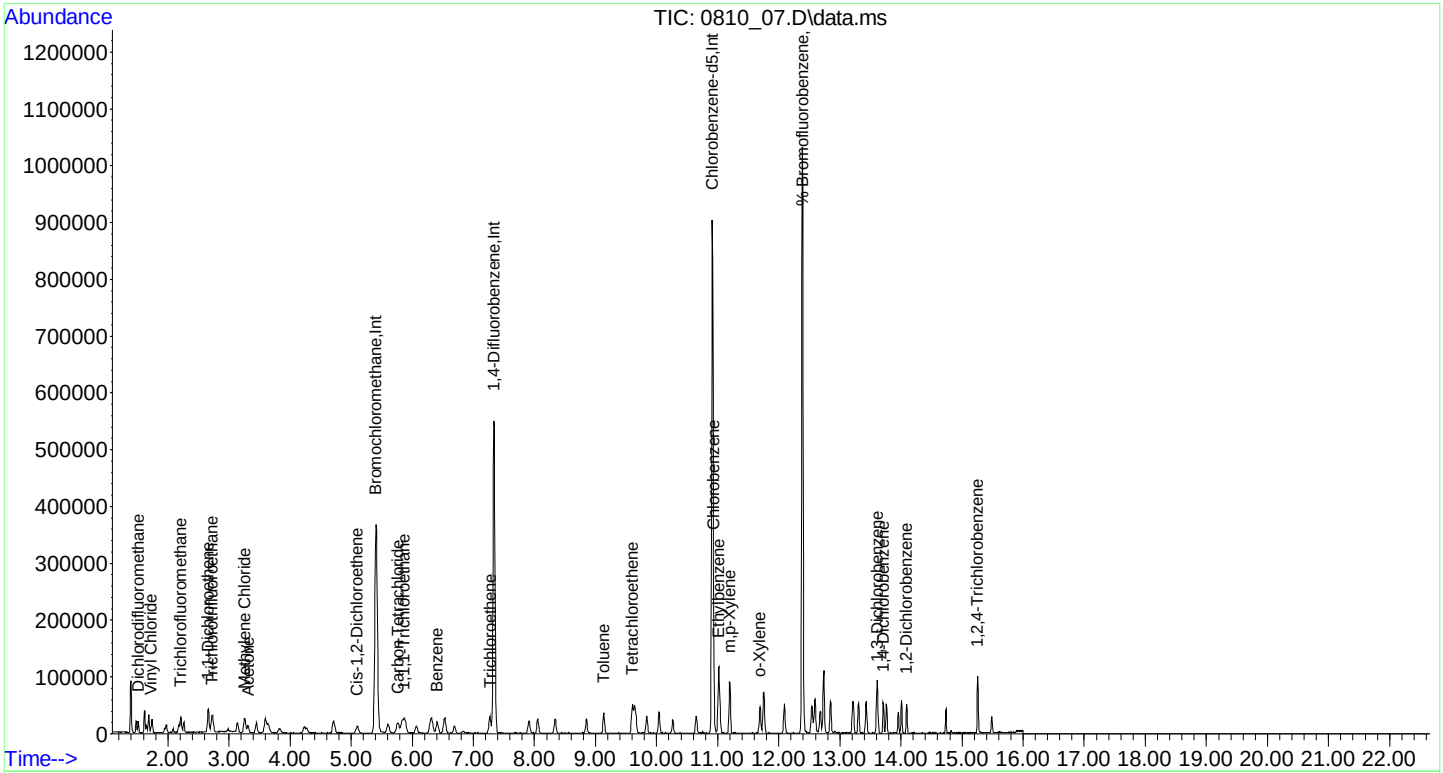
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	5.406	130	167059	10.000	ng	-0.01
15) 1,4-Difluorobenzene	7.336	114	535582	10.000	ng	0.00
20) Chlorobenzene-d5	10.911	82	224642	10.000	ng	0.00
30) Bromochloromethane(sim)	5.409	130	178292	10.000	ng	# 0.00
41) 1,4-Difluorobenzene(sim)	7.336	114	535582	10.000	ng	0.00
47) Chlorobenzene-d5(sim)	10.911	82	224642	10.000	ng	0.00
System Monitoring Compounds						
25) % Bromofluorobenzene	12.385	95	340836	9.836	ppbv	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	98.40%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.513	85	12190	0.449	ppbv	99
3) Vinyl Chloride	1.725	62	8103	0.505	ppbv	92
4) Acetone	3.313	43	20341	0.542	ppbv	96
5) Trichlorofluoromethane	2.211	101	20167	0.498	ppbv	98
6) 1,1-Dichloroethene	2.656	61	14224	0.500	ppbv	97
7) Methylene Chloride	3.251	49	16038	0.535	ppbv	99
8) Trichlorotrifluoroethane	2.725	101	15397	0.506	ppbv	98
10) Cis-1,2-Dichloroethene	5.096	61	12377	0.479	ppbv	96
12) 1,1,1-Trichloroethane	5.860	97	16456	0.499	ppbv	98
13) Benzene	6.412	78	18058	0.505	ppbv	99
14) Carbon Tetrachloride	5.773	117	18448	0.468	ppbv	96
17) Trichloroethene	7.274	130	12604	0.491	ppbv	100
18) Toluene	9.134	91	24184	0.482	ppbv	99
19) Tetrachloroethene	9.603	166	15197	0.497	ppbv	98
21) Chlorobenzene	10.932	112	22554	0.489	ppbv	86
22) Ethylbenzene	11.014	91	32692	0.502	ppbv	99
23) m,p-Xylene	11.199	91	50280	1.021	ppbv	99
24) o-Xylene	11.693	91	25577	0.489	ppbv	98
26) 1,3-Dichlorobenzene	13.618	146	20312	0.484	ppbv	98
27) 1,4-Dichlorobenzene	13.709	146	18790	0.467	ppbv	96
28) 1,2-Dichlorobenzene	14.092	146	16566	0.497	ppbv	98
29) 1,2,4-Trichlorobenzene	15.254	180	8366	0.471	ppbv	99
31) Vinyl Chloride(sim)	1.725	62	8103	0.495	ppbv	92
34) Carbon Tetrachloride(sim)	5.762	117	20155	0.476	ppbv	99
35) 1,1-Dichloroethene(sim)	2.656	61	14180	0.461	ppbv	97
39) Cis-1,2-Dichloroethene...	5.096	61	12321	0.447	ppbv	95
44) Trichloroethene(sim)	7.271	130	13377	0.466	ppbv	100
46) Tetrachloroethene(sim)	9.606	166	16329	0.472	ppbv	100
48) m,p-Xylene(sim)	11.195	91	53779	0.946	ppbv	99
50) 1,4-Dichlorobenzene(sim)	13.712	146	22018	0.456	ppbv	100

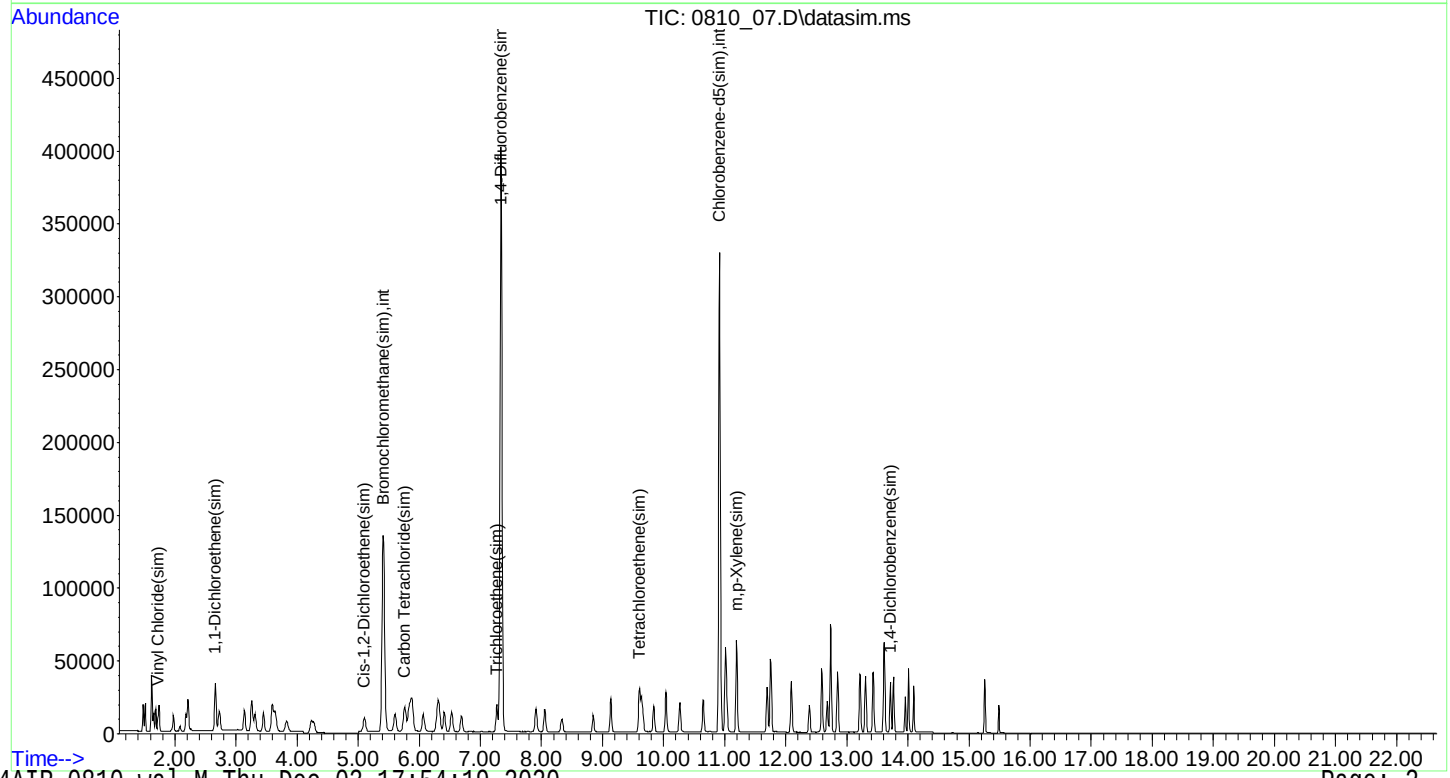
(#)out of range (m)manual integration reviewed by analyst (+)signals summed

Quantitation Report (RF) (QT Reviewed)

Data Path : H:\AIR2020\CHEM24\08AUG\10\
Data File : 0810_07.D
Acq On : 10 Aug 2020 12:32 pm
Operator : Keith
Client ID : ICAL 0.5
Lab ID : 0.5
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Dec 03 13:56:38 2020
Quant Method : H:\AIR2020\CHEM24\METHODS\24AIR_0810_wal.M
Quant Title : VOA Standards for 5 point calibration
QLast Update : Thu Dec 03 13:56:25 2020
Response via : Initial Calibration





Quantitation Report (RF) (QT Reviewed)

Data Path : H:\AIR2020\CHEM24\08AUG\10\
Data File : 0810_08.D
Acq On : 10 Aug 2020 1:08 pm
Operator : Keith
Client ID : ICAL 2.5
Lab ID : 2.5
ALS Vial : 12 Sample Multiplier: 1

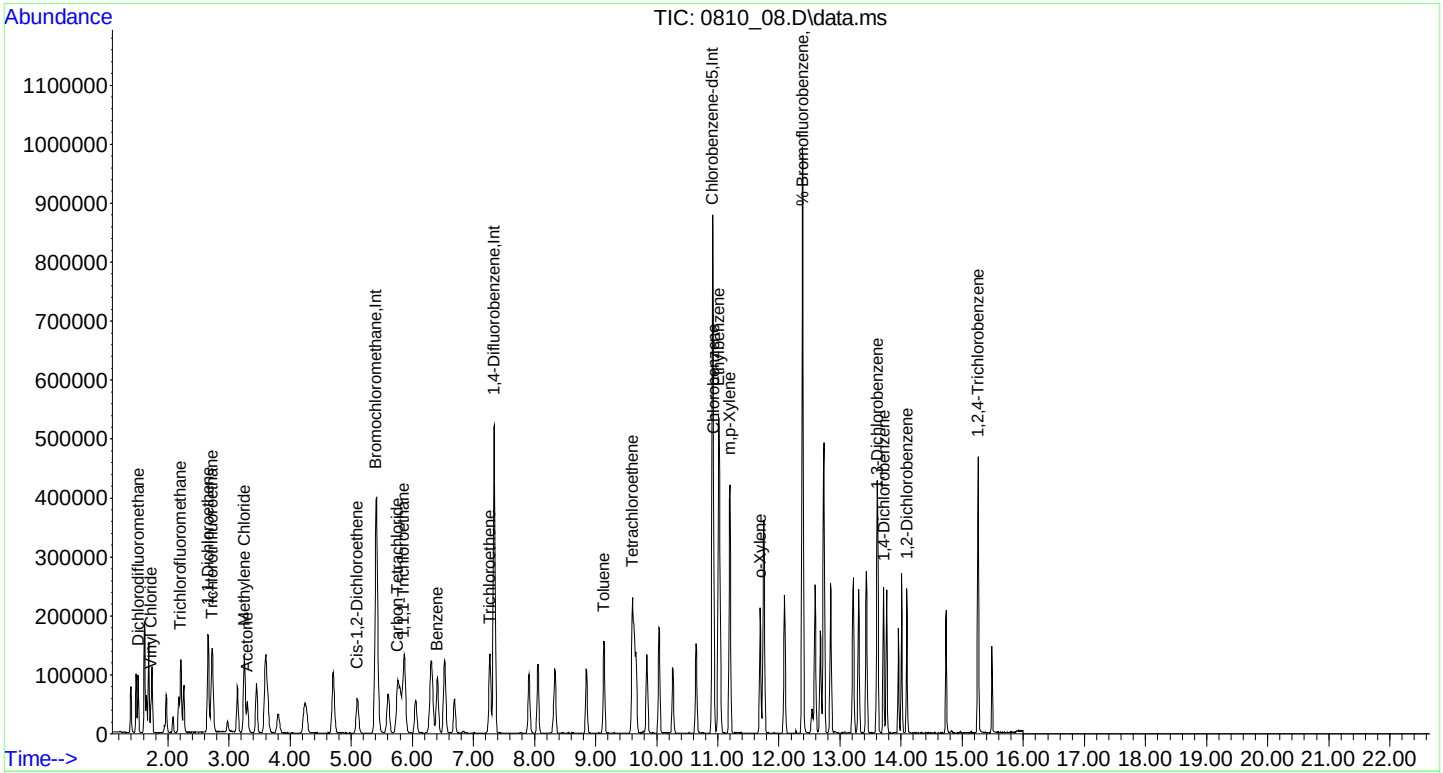
Quant Time: Dec 03 13:54:03 2020
Quant Method : H:\AIR2020\CHEM24\METHODS\24AIR_0810_wal.M
Quant Title : VOA Standards for 5 point calibration
QLast Update : Tue Oct 13 15:26:45 2020
Response via : Initial Calibration

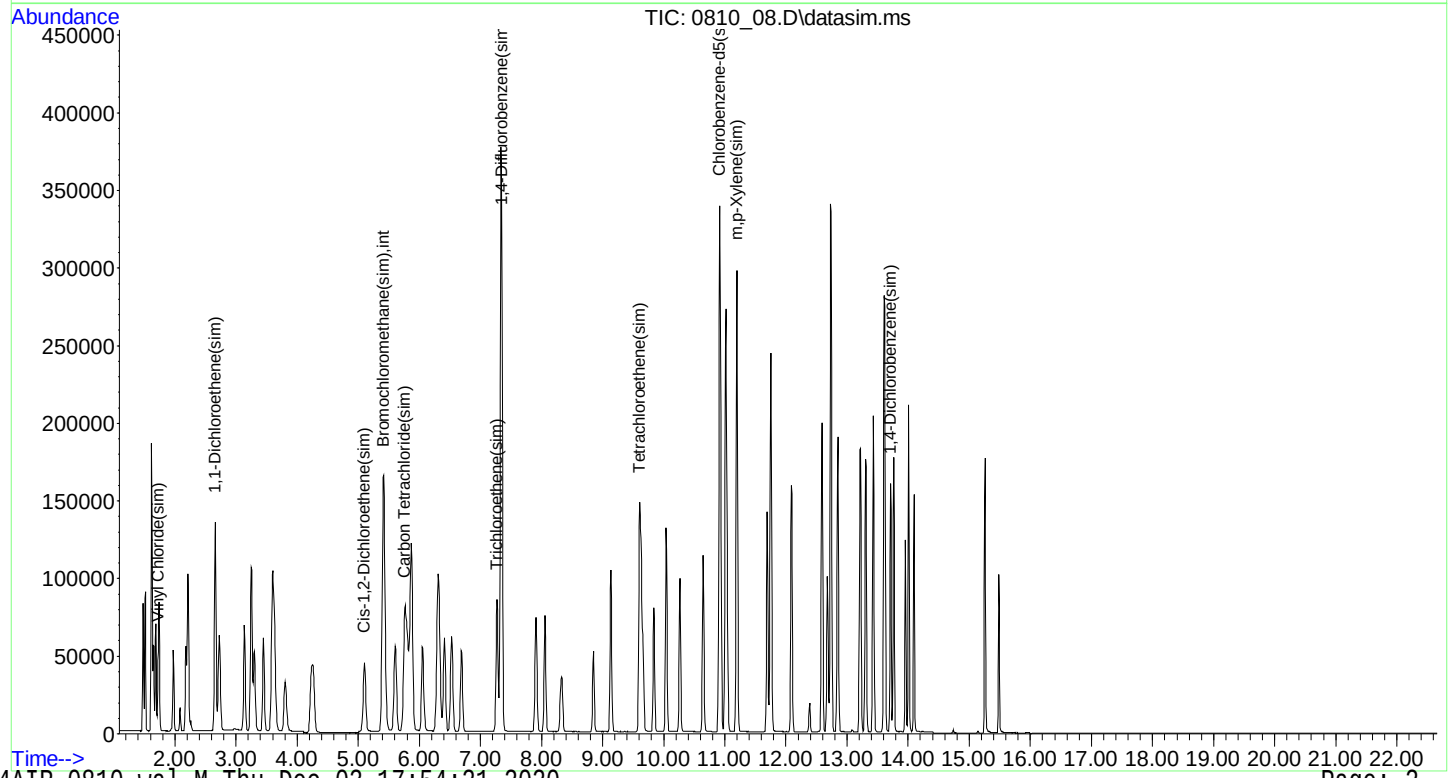
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	5.406	130	158718	10.000	ng	-0.03
15) 1,4-Difluorobenzene	7.343	114	515221	10.000	ng	-0.02
20) Chlorobenzene-d5	10.911	82	211247	10.000	ng	#-0.02
30) Bromochloromethane(sim)	5.409	130	171283	10.000	ng	#-0.03
41) 1,4-Difluorobenzene(sim)	7.343	114	515221	10.000	ng	-0.02
47) Chlorobenzene-d5(sim)	10.911	82	211247	10.000	ng	#-0.02
System Monitoring Compounds						
25) % Bromofluorobenzene	12.385	95	327896	10.909	ppbv	-0.02
Spiked Amount 10.000	Range 70 - 130		Recovery = 109.10%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.513	85	58167	2.254	ppbv	97
3) Vinyl Chloride	1.725	62	36790	2.413	ppbv	76
4) Acetone	3.299	43	77084	2.162	ppbv	96
5) Trichlorofluoromethane	2.211	101	93624	2.433	ppbv#	84
6) 1,1-Dichloroethene	2.656	61	65436	2.421	ppbv#	73
7) Methylene Chloride	3.251	49	66852	2.345	ppbv#	52
8) Trichlorotrifluoroethane	2.725	101	71128	2.461	ppbv	91
10) Cis-1,2-Dichloroethene	5.096	61	58949	2.402	ppbv#	69
12) 1,1,1-Trichloroethane	5.853	97	76923	2.453	ppbv#	84
13) Benzene	6.405	78	82197	2.419	ppbv#	83
14) Carbon Tetrachloride	5.759	117	90370	2.415	ppbv	92
17) Trichloroethene	7.268	130	56108	2.273	ppbv	89
18) Toluene	9.134	91	113242	2.348	ppbv	95
19) Tetrachloroethene	9.603	166	68372	2.322	ppbv	96
21) Chlorobenzene	10.931	112	103619	2.387	ppbv#	48
22) Ethylbenzene	11.014	91	147341	2.404	ppbv	98
23) m,p-Xylene	11.199	91	230354	4.972	ppbv	98
24) o-Xylene	11.693	91	118075	2.401	ppbv	97
26) 1,3-Dichlorobenzene	13.618	146	96668	2.449	ppbv	97
27) 1,4-Dichlorobenzene	13.715	146	92739	2.450	ppbv	97
28) 1,2-Dichlorobenzene	14.092	146	77208	2.463	ppbv	99
29) 1,2,4-Trichlorobenzene	15.254	180	43437	2.600	ppbv	96
31) Vinyl Chloride(sim)	1.725	62	36790	2.340	ppbv	94
34) Carbon Tetrachloride(sim)	5.762	117	95928	2.359	ppbv	99
35) 1,1-Dichloroethene(sim)	2.656	61	65436	2.215	ppbv#	73
39) Cis-1,2-Dichloroethene...	5.096	61	58949	2.226	ppbv#	73
44) Trichloroethene(sim)	7.271	130	62088	2.249	ppbv#	85
46) Tetrachloroethene(sim)	9.606	166	75546	2.269	ppbv	97
48) m,p-Xylene(sim)	11.195	91	250018	4.678	ppbv#	96
50) 1,4-Dichlorobenzene(sim)	13.712	146	105068	2.313	ppbv	97

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

Data Path : H:\AIR2020\CHEM24\08AUG\10\
Data File : 0810_08.D
Acq On : 10 Aug 2020 1:08 pm
Operator : Keith
Client ID : ICAL 2.5
Lab ID : 2.5
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Dec 03 13:54:03 2020
Quant Method : H:\AIR2020\CHEM24\METHODS\24AIR_0810_wal.M
Quant Title : VOA Standards for 5 point calibration
QLast Update : Tue Oct 13 15:26:45 2020
Response via : Initial Calibration





Quantitation Report (RF) (QT Reviewed)

Data Path : H:\AIR2020\CHEM24\08AUG\10\
Data File : 0810_09.D
Acq On : 10 Aug 2020 1:40 pm
Operator : Keith
Client ID : ICAL 5
Lab ID : 5.0
ALS Vial : 13 Sample Multiplier: 1

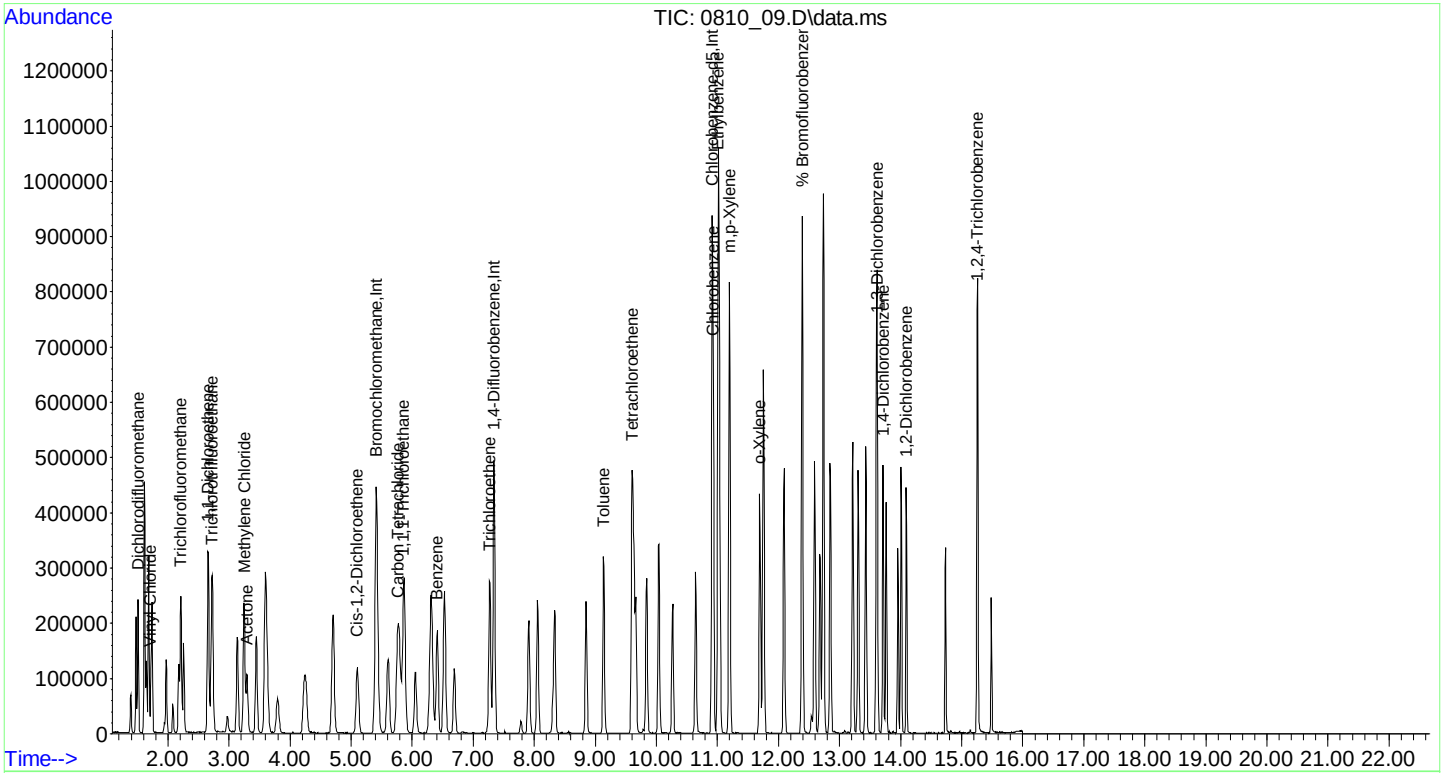
Quant Time: Dec 03 13:54:23 2020
Quant Method : H:\AIR2020\CHEM24\METHODS\24AIR_0810_wal.M
Quant Title : VOA Standards for 5 point calibration
QLast Update : Thu Dec 03 13:54:16 2020
Response via : Initial Calibration

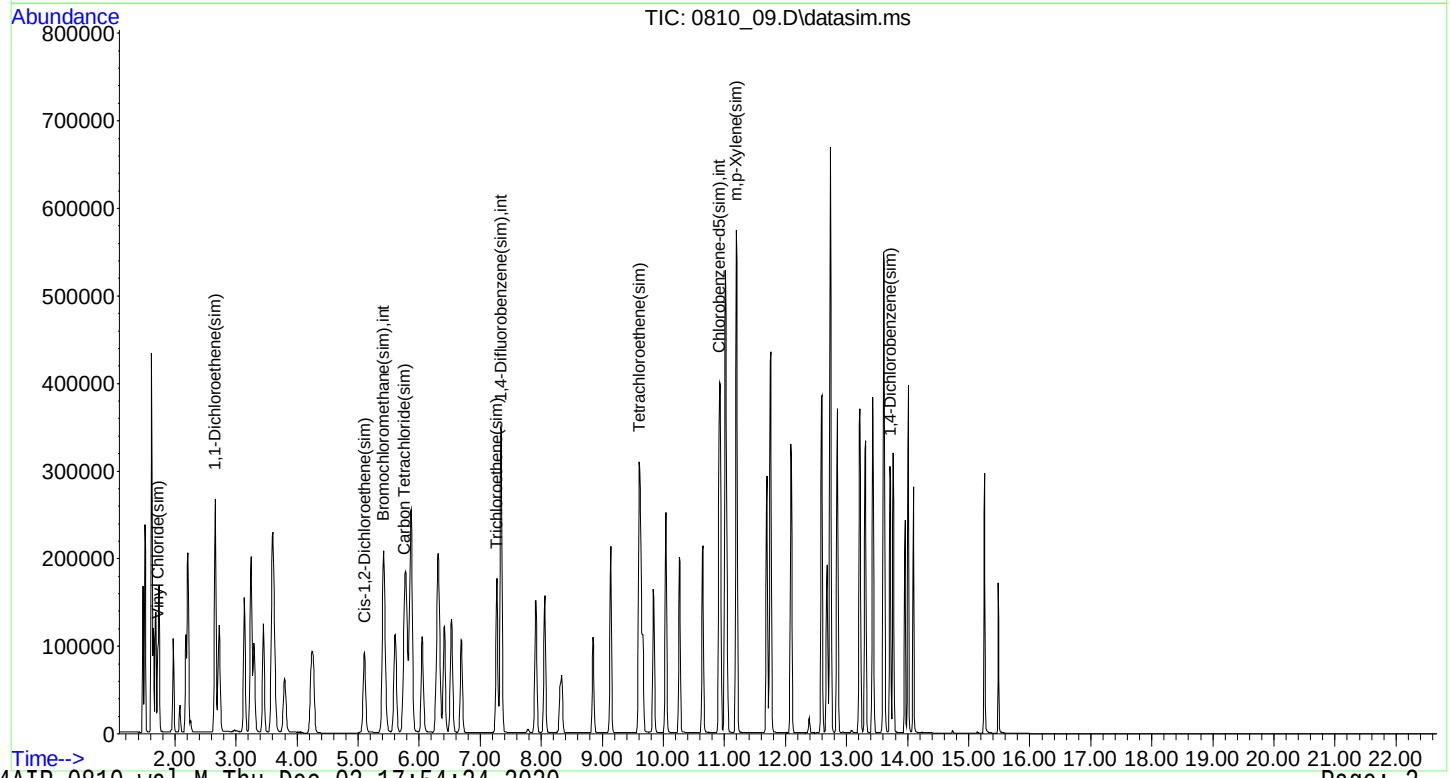
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Bromochloromethane	5.413	130	148846	10.000	ng		0.00
15) 1,4-Difluorobenzene	7.343	114	481840	10.000	ng		0.00
20) Chlorobenzene-d5	10.918	82	203865	10.000	ng		0.00
30) Bromochloromethane(sim)	5.416	130	159240	10.000	ng	#	0.00
41) 1,4-Difluorobenzene(sim)	7.343	114	481840	10.000	ng		0.00
47) Chlorobenzene-d5(sim)	10.918	82	203865	10.000	ng		0.00
System Monitoring Compounds							
25) % Bromofluorobenzene	12.391	95	309360	9.776	ppbv		0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	97.80%			
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.512	85	149067	6.160	ppbv		98
3) Vinyl Chloride	1.718	62	76589	5.358	ppbv		98
4) Acetone	3.292	43	150892	4.512	ppbv		99
5) Trichlorofluoromethane	2.211	101	189521	5.251	ppbv		99
6) 1,1-Dichloroethene	2.656	61	134176	5.293	ppbv		99
7) Methylene Chloride	3.251	49	135036	5.052	ppbv		98
8) Trichlorotrifluoroethane	2.725	101	143497	5.294	ppbv		99
10) Cis-1,2-Dichloroethene	5.103	61	119772	5.204	ppbv		99
12) 1,1,1-Trichloroethane	5.860	97	154907	5.267	ppbv		99
13) Benzene	6.411	78	164704	5.169	ppbv		98
14) Carbon Tetrachloride	5.766	117	183628	5.232	ppbv		99
17) Trichloroethene	7.267	130	119016	5.155	ppbv		98
18) Toluene	9.134	91	228655	5.070	ppbv		100
19) Tetrachloroethene	9.603	166	139643	5.072	ppbv		99
21) Chlorobenzene	10.931	112	210554	5.027	ppbv		98
22) Ethylbenzene	11.014	91	296759	5.017	ppbv		100
23) m,p-Xylene	11.199	91	460592	10.302	ppbv		99
24) o-Xylene	11.693	91	238552	5.026	ppbv		99
26) 1,3-Dichlorobenzene	13.618	146	186112	4.885	ppbv		99
27) 1,4-Dichlorobenzene	13.715	146	178842	4.896	ppbv		99
28) 1,2-Dichlorobenzene	14.092	146	141622	4.681	ppbv		100
29) 1,2,4-Trichlorobenzene	15.254	180	69515	4.311	ppbv		99
31) Vinyl Chloride(sim)	1.718	62	76589	5.240	ppbv		98
34) Carbon Tetrachloride(sim)	5.762	117	194871	5.154	ppbv		100
35) 1,1-Dichloroethene(sim)	2.656	61	134176	4.885	ppbv		99
39) Cis-1,2-Dichloroethene...	5.103	61	119772	4.865	ppbv		99
44) Trichloroethene(sim)	7.270	130	127647	4.944	ppbv		100
46) Tetrachloroethene(sim)	9.606	166	152759	4.905	ppbv		100
48) m,p-Xylene(sim)	11.195	91	499581	9.685	ppbv		100
50) 1,4-Dichlorobenzene(sim)	13.712	146	206459	4.709	ppbv		100

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

Data Path : H:\AIR2020\CHEM24\08AUG\10\
Data File : 0810_09.D
Acq On : 10 Aug 2020 1:40 pm
Operator : Keith
Client ID : ICAL 5
Lab ID : 5.0
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Dec 03 13:54:23 2020
Quant Method : H:\AIR2020\CHEM24\METHODS\24AIR_0810_wal.M
Quant Title : VOA Standards for 5 point calibration
QLast Update : Thu Dec 03 13:54:16 2020
Response via : Initial Calibration





Quantitation Report (RF) (QT Reviewed)

Data Path : H:\AIR2020\CHEM24\08AUG\10\
Data File : 0810_10.D
Acq On : 10 Aug 2020 2:17 pm
Operator : Keith
Client ID : ICAL 25
Lab ID : 25
ALS Vial : 14 Sample Multiplier: 1

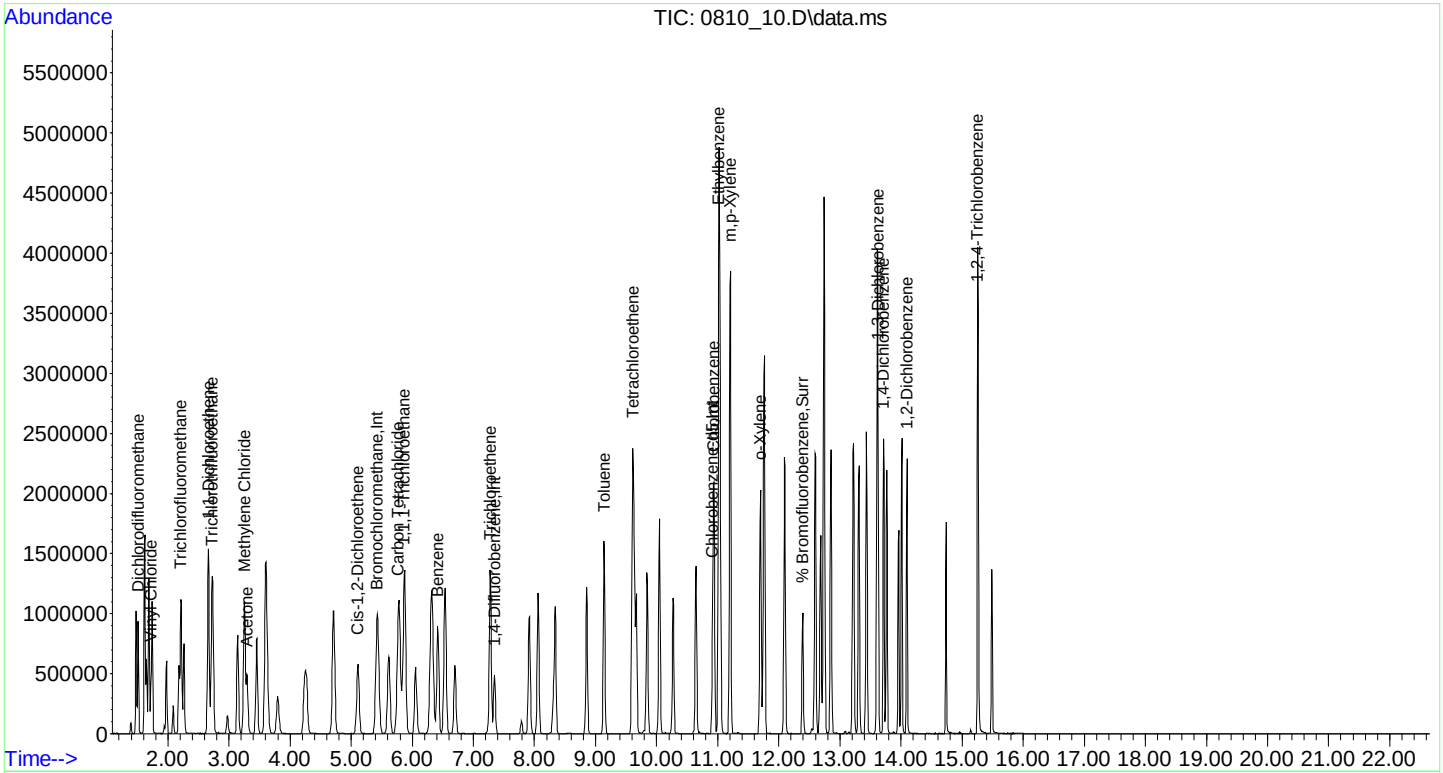
Quant Time: Dec 03 13:54:37 2020
Quant Method : H:\AIR2020\CHEM24\METHODS\24AIR_0810_wal.M
Quant Title : VOA Standards for 5 point calibration
QLast Update : Thu Dec 03 13:54:31 2020
Response via : Initial Calibration

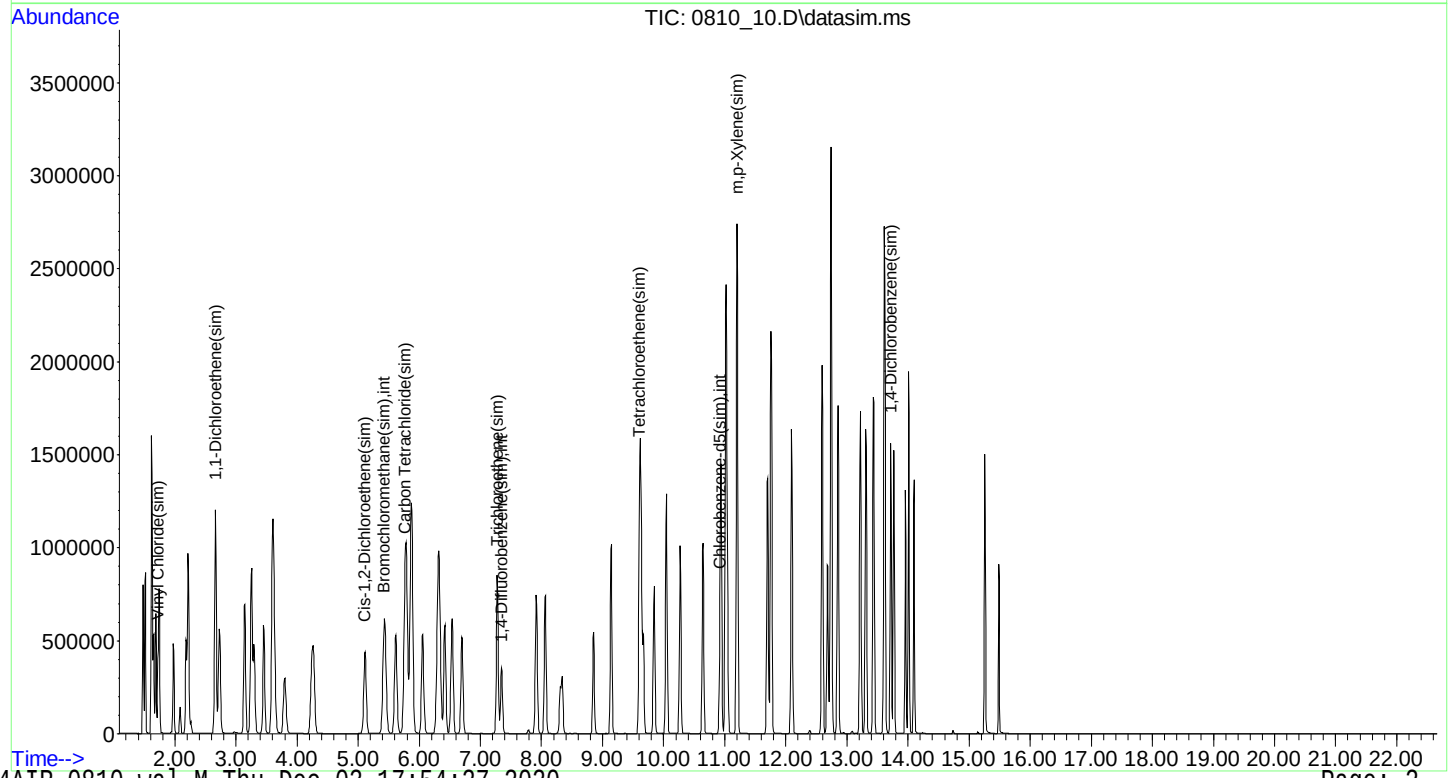
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Bromochloromethane	5.420	130	155331	10.000	ng		0.00
15) 1,4-Difluorobenzene	7.350	114	476120	10.000	ng		0.00
20) Chlorobenzene-d5	10.918	82	205029	10.000	ng		0.00
30) Bromochloromethane(sim)	5.423	130	164984	10.000	ng	#	0.00
41) 1,4-Difluorobenzene(sim)	7.350	114	476120	10.000	ng		0.00
47) Chlorobenzene-d5(sim)	10.918	82	205029	10.000	ng		0.00
System Monitoring Compounds							
25) % Bromofluorobenzene	12.391	95	315511	10.026	ppbv		0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 100.30%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.512	85	557322	22.067	ppbv		99
3) Vinyl Chloride	1.725	62	353531	23.698	ppbv		99
4) Acetone	3.299	43	793731	22.744	ppbv		95
5) Trichlorofluoromethane	2.211	101	891791	23.677	ppbv		99
6) 1,1-Dichloroethene	2.663	61	622513	23.533	ppbv		100
7) Methylene Chloride	3.251	49	619002	22.190	ppbv		100
8) Trichlorotrifluoroethane	2.725	101	667621	23.601	ppbv		100
10) Cis-1,2-Dichloroethene	5.110	61	584188	24.323	ppbv		99
12) 1,1,1-Trichloroethane	5.867	97	735322	23.959	ppbv		99
13) Benzene	6.418	78	793296	23.859	ppbv		99
14) Carbon Tetrachloride	5.773	117	890154	24.306	ppbv		99
17) Trichloroethene	7.274	130	570012	24.987	ppbv		99
18) Toluene	9.141	91	1122801	25.196	ppbv		100
19) Tetrachloroethene	9.610	166	673425	24.752	ppbv		99
21) Chlorobenzene	10.938	112	1037246	24.622	ppbv		99
22) Ethylbenzene	11.020	91	1413742	23.766	ppbv		100
23) m,p-Xylene	11.206	91	2215433	49.273	ppbv		100
24) o-Xylene	11.700	91	1181235	24.747	ppbv		100
26) 1,3-Dichlorobenzene	13.624	146	919220	23.989	ppbv		100
27) 1,4-Dichlorobenzene	13.715	146	896272	24.395	ppbv		98
28) 1,2-Dichlorobenzene	14.098	146	721258	23.705	ppbv		99
29) 1,2,4-Trichlorobenzene	15.254	180	382959	23.617	ppbv		99
31) Vinyl Chloride(sim)	1.725	62	353531	23.345	ppbv		99
34) Carbon Tetrachloride(sim)	5.769	117	942079	24.048	ppbv		100
35) 1,1-Dichloroethene(sim)	2.663	61	622513	21.877	ppbv		100
39) Cis-1,2-Dichloroethene...	5.110	61	584440	22.913	ppbv		99
44) Trichloroethene(sim)	7.277	130	617765	24.214	ppbv		100
46) Tetrachloroethene(sim)	9.606	166	740537	24.065	ppbv		100
48) m,p-Xylene(sim)	11.202	91	2386790	46.009	ppbv		100
50) 1,4-Dichlorobenzene(sim)	13.718	146	1002882	22.744	ppbv		100

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

Data Path : H:\AIR2020\CHEM24\08AUG\10\
Data File : 0810_10.D
Acq On : 10 Aug 2020 2:17 pm
Operator : Keith
Client ID : ICAL 25
Lab ID : 25
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Dec 03 13:54:37 2020
Quant Method : H:\AIR2020\CHEM24\METHODS\24AIR_0810_wal.M
Quant Title : VOA Standards for 5 point calibration
QLast Update : Thu Dec 03 13:54:31 2020
Response via : Initial Calibration





Quantitation Report (RF) (QT Reviewed)

Data Path : H:\AIR2020\CHEM24\08AUG\10\
Data File : 0810_11.D
Acq On : 10 Aug 2020 2:56 pm
Operator : Keith
Client ID : ICAL 40
Lab ID : 40
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Dec 03 13:54:54 2020
Quant Method : H:\AIR2020\CHEM24\METHODS\24AIR_0810_wal.M
Quant Title : VOA Standards for 5 point calibration
QLast Update : Thu Dec 03 13:54:46 2020
Response via : Initial Calibration

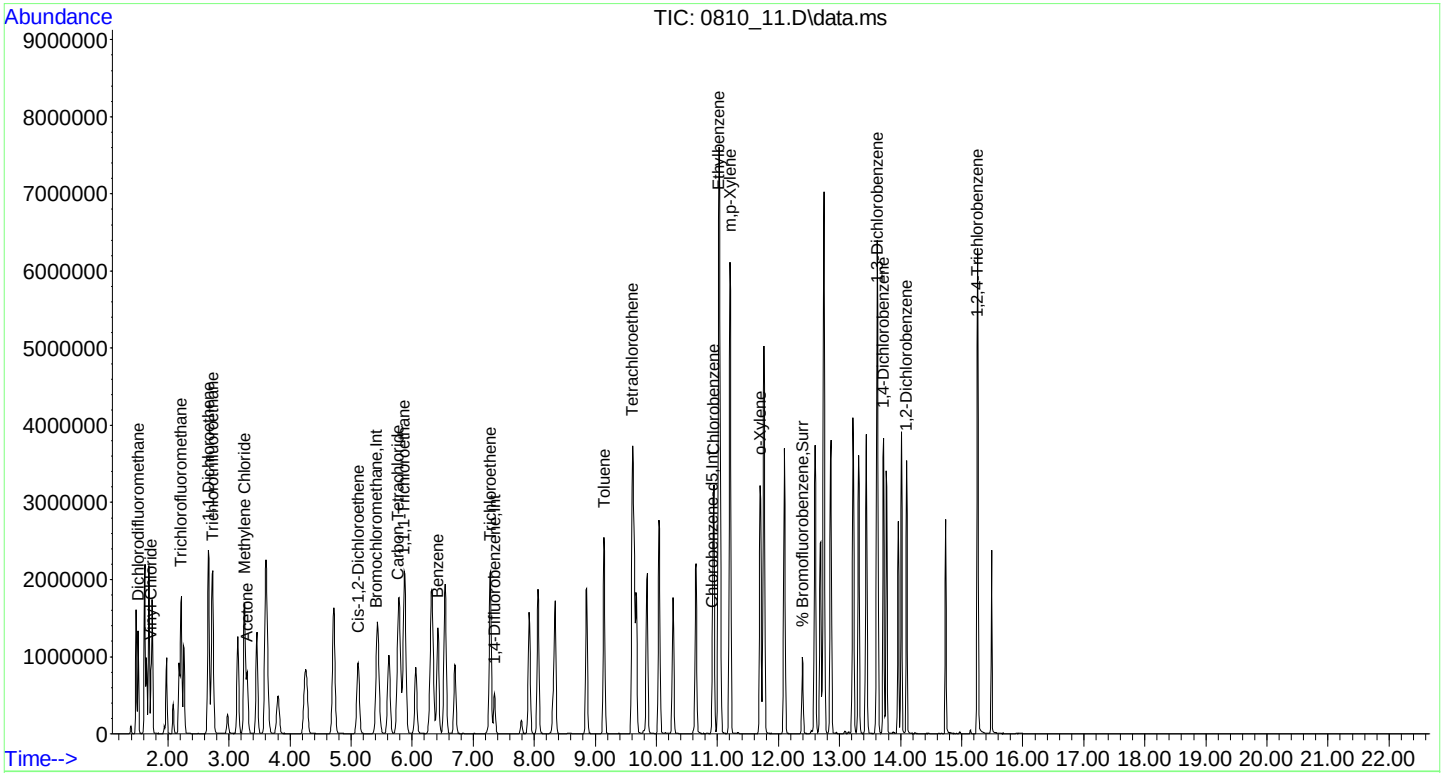
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Bromochloromethane	5.420	130	161680	10.000	ng		0.00
15) 1,4-Difluorobenzene	7.350	114	487220	10.000	ng		0.00
20) Chlorobenzene-d5	10.918	82	208624	10.000	ng		0.00
30) Bromochloromethane(sim)	5.423	130	172748	10.000	ng	#	0.00
41) 1,4-Difluorobenzene(sim)	7.350	114	487220	10.000	ng		0.00
47) Chlorobenzene-d5(sim)	10.918	82	208624	10.000	ng		0.00
System Monitoring Compounds							
25) % Bromofluorobenzene	12.392	95	321605	10.035	ppbv		0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 100.40%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.512	85	796450	30.297	ppbv		100
3) Vinyl Chloride	1.725	62	564460	36.351	ppbv		100
4) Acetone	3.299	43	1284039	35.349	ppbv		100
5) Trichlorofluoromethane	2.218	101	1414136	36.072	ppbv		99
6) 1,1-Dichloroethene	2.663	61	998934	36.279	ppbv		99
7) Methylene Chloride	3.258	49	980888	33.783	ppbv		100
8) Trichlorotrifluoroethane	2.732	101	1078541	36.630	ppbv		100
10) Cis-1,2-Dichloroethene	5.117	61	934969	37.399	ppbv		100
12) 1,1,1-Trichloroethane	5.867	97	1166572	36.517	ppbv		100
13) Benzene	6.425	78	1260579	36.424	ppbv		100
14) Carbon Tetrachloride	5.773	117	1425302	37.390	ppbv		99
17) Trichloroethene	7.281	130	923494	39.560	ppbv		99
18) Toluene	9.141	91	1801136	39.497	ppbv		100
19) Tetrachloroethene	9.610	166	1070662	38.456	ppbv		100
21) Chlorobenzene	10.938	112	1670153	38.963	ppbv		100
22) Ethylbenzene	11.021	91	2226341	36.782	ppbv		100
23) m,p-Xylene	11.206	91	3543580	77.454	ppbv		100
24) o-Xylene	11.700	91	1904827	39.218	ppbv		100
26) 1,3-Dichlorobenzene	13.624	146	1444285	37.043	ppbv		100
27) 1,4-Dichlorobenzene	13.722	146	1446728	38.699	ppbv		100
28) 1,2-Dichlorobenzene	14.098	146	1169835	37.786	ppbv		100
29) 1,2,4-Trichlorobenzene	15.254	180	629079	38.126	ppbv		100
31) Vinyl Chloride(sim)	1.725	62	564460	35.598	ppbv		100
34) Carbon Tetrachloride(sim)	5.776	117	1501634	36.609	ppbv		100
35) 1,1-Dichloroethene(sim)	2.663	61	998934	33.528	ppbv		99
39) Cis-1,2-Dichloroethene...	5.117	61	934969	35.008	ppbv		100
44) Trichloroethene(sim)	7.277	130	998093	38.230	ppbv		100
46) Tetrachloroethene(sim)	9.613	166	1172543	37.236	ppbv		100
48) m,p-Xylene(sim)	11.209	91	3788325	71.767	ppbv		100
50) 1,4-Dichlorobenzene(sim)	13.718	146	1618951	36.083	ppbv		100

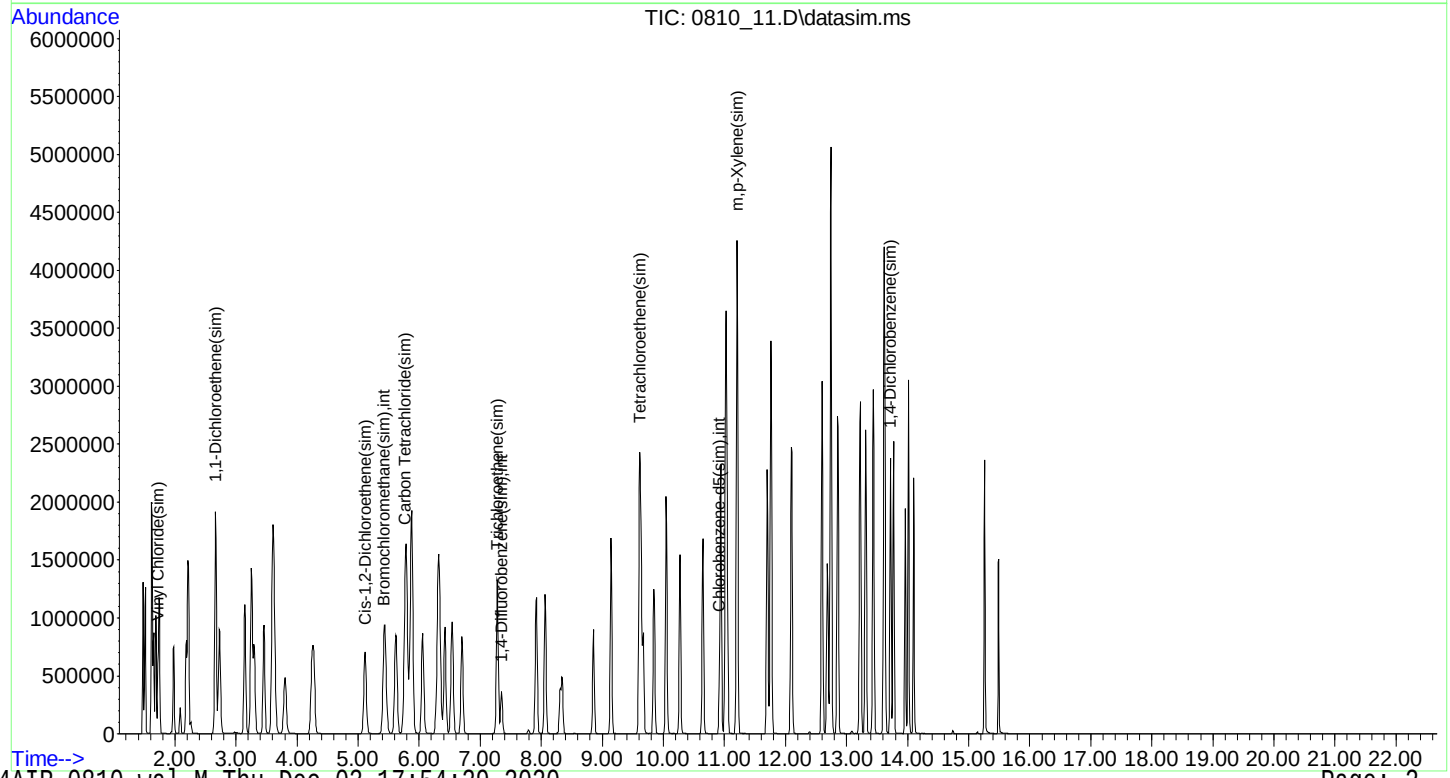
(#)out of range (m)manual integration reviewed by analyst (+)signals summed

Quantitation Report (RF) (QT Reviewed)

Data Path : H:\AIR2020\CHEM24\08AUG\10\
Data File : 0810_11.D
Acq On : 10 Aug 2020 2:56 pm
Operator : Keith
Client ID : ICAL 40
Lab ID : 40
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Dec 03 13:54:54 2020
Quant Method : H:\AIR2020\CHEM24\METHODS\24AIR_0810_wal.M
Quant Title : VOA Standards for 5 point calibration
QLast Update : Thu Dec 03 13:54:46 2020
Response via : Initial Calibration





Quantitation Report (RF) (QT Reviewed)

Data Path : H:\AIR2020\CHEM24\08AUG\10\
Data File : 0810_13.D
Acq On : 10 Aug 2020 4:00 pm
Operator : Keith
Client ID : ICAL 1
Lab ID : 1ppb
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Dec 03 13:55:21 2020
Quant Method : H:\AIR2020\CHEM24\METHODS\24AIR_0810_wal.M
Quant Title : VOA Standards for 5 point calibration
QLast Update : Thu Dec 03 13:55:04 2020
Response via : Initial Calibration

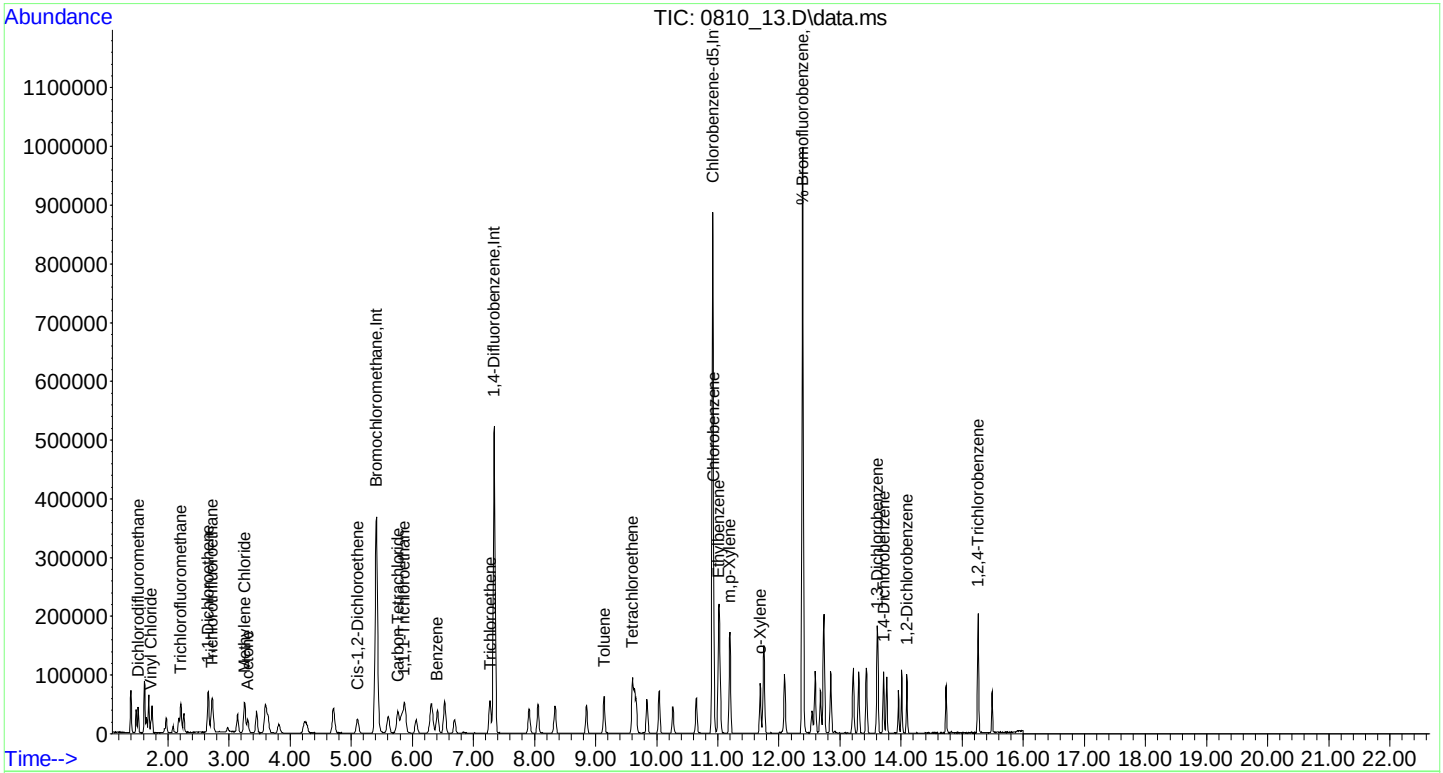
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	5.413	130	159404	10.000	ng	0.00
15) 1,4-Difluorobenzene	7.343	114	505713	10.000	ng	0.00
20) Chlorobenzene-d5	10.918	82	214745	10.000	ng	0.00
30) Bromochloromethane(sim)	5.409	130	171220	10.000	ng	#-0.01
41) 1,4-Difluorobenzene(sim)	7.343	114	505713	10.000	ng	0.00
47) Chlorobenzene-d5(sim)	10.918	82	214745	10.000	ng	0.00
System Monitoring Compounds						
25) % Bromofluorobenzene	12.392	95	327192	9.910	ppbv	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	99.10%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.513	85	27488	1.061	ppbv	99
3) Vinyl Chloride	1.725	62	15396	1.006	ppbv	100
4) Acetone	3.306	43	37668	1.052	ppbv	100
5) Trichlorofluoromethane	2.211	101	37986	0.983	ppbv	100
6) 1,1-Dichloroethene	2.656	61	27215	1.003	ppbv	100
7) Methylene Chloride	3.251	49	28737	1.004	ppbv	98
8) Trichlorotrifluoroethane	2.725	101	28766	0.991	ppbv	99
10) Cis-1,2-Dichloroethene	5.103	61	23791	0.965	ppbv	99
12) 1,1,1-Trichloroethane	5.860	97	31834	1.011	ppbv	99
13) Benzene	6.412	78	33496	0.982	ppbv	99
14) Carbon Tetrachloride	5.766	117	37668	1.002	ppbv	99
17) Trichloroethene	7.274	130	23655	0.976	ppbv	98
18) Toluene	9.141	91	45990	0.972	ppbv	97
19) Tetrachloroethene	9.603	166	28098	0.972	ppbv	99
21) Chlorobenzene	10.931	112	42914	0.973	ppbv	92
22) Ethylbenzene	11.014	91	60638	0.973	ppbv	100
23) m,p-Xylene	11.199	91	95795	2.034	ppbv	99
24) o-Xylene	11.693	91	47819	0.956	ppbv	99
26) 1,3-Dichlorobenzene	13.618	146	41539	1.035	ppbv	98
27) 1,4-Dichlorobenzene	13.715	146	38978	1.013	ppbv	99
28) 1,2-Dichlorobenzene	14.092	146	31969	1.003	ppbv	99
29) 1,2,4-Trichlorobenzene	15.254	180	18500	1.089	ppbv	97
31] Vinyl Chloride(sim)	1.725	62	15396	0.980	ppbv	100
34] Carbon Tetrachloride(sim)	5.769	117	39691	0.976	ppbv	100
35] 1,1-Dichloroethene(sim)	2.656	61	27173	0.920	ppbv	100
39] Cis-1,2-Dichloroethene...	5.103	61	23791	0.899	ppbv	99
44] Trichloroethene(sim)	7.270	130	25454	0.939	ppbv	99
46] Tetrachloroethene(sim)	9.606	166	30715	0.940	ppbv	99
48] m,p-Xylene(sim)	11.195	91	103599	1.907	ppbv	100
50] 1,4-Dichlorobenzene(sim)	13.712	146	44106	0.955	ppbv	99

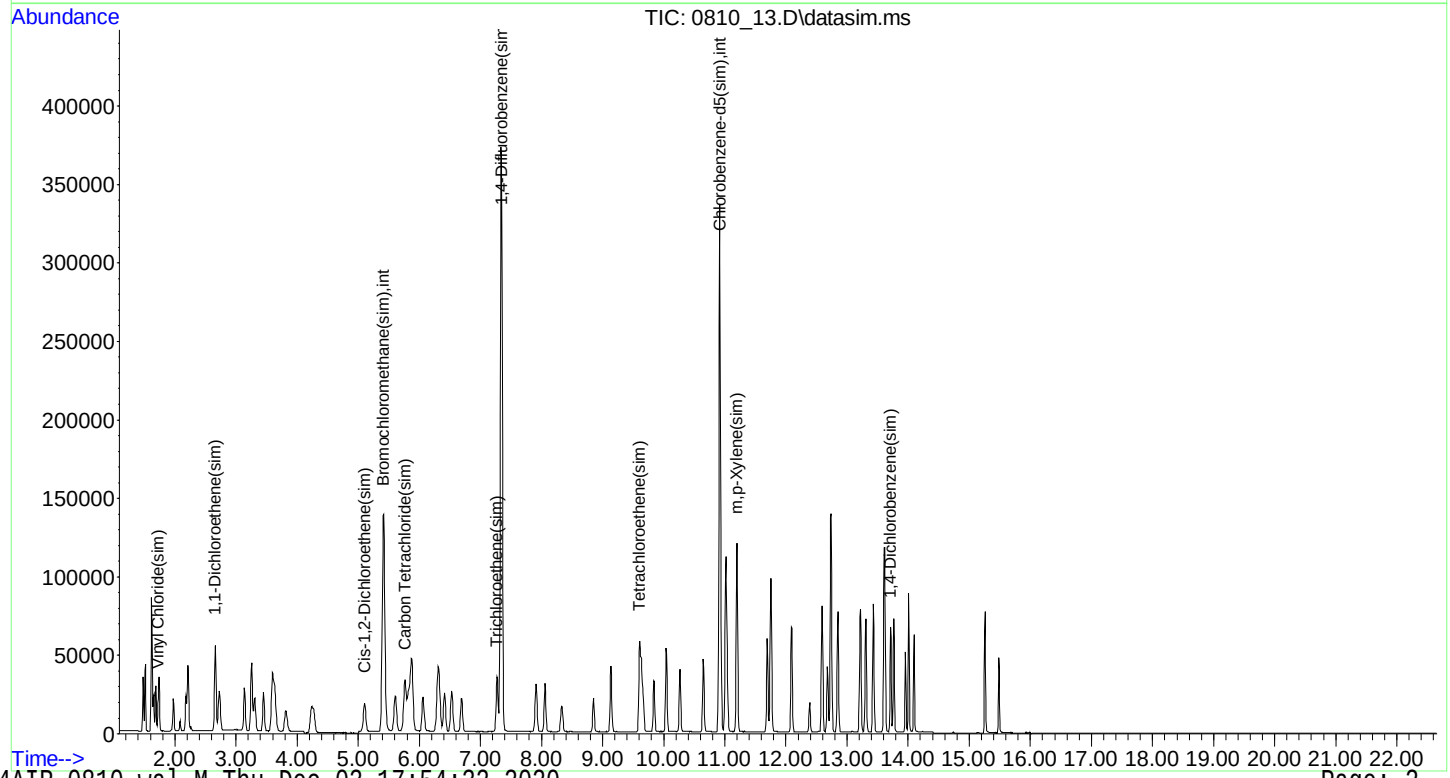
(#)out of range (m)manual integration reviewed by analyst (+)signals summed

Quantitation Report (RF) (QT Reviewed)

Data Path : H:\AIR2020\CHEM24\08AUG\10\
Data File : 0810_13.D
Acq On : 10 Aug 2020 4:00 pm
Operator : Keith
Client ID : ICAL 1
Lab ID : 1ppb
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Dec 03 13:55:21 2020
Quant Method : H:\AIR2020\CHEM24\METHODS\24AIR_0810_wal.M
Quant Title : VOA Standards for 5 point calibration
QLast Update : Thu Dec 03 13:55:04 2020
Response via : Initial Calibration





Quantitation Report (RF) (QT Reviewed)

Data Path : H:\AIR2020\CHEM24\08AUG\10\
Data File : 0810_14.D
Acq On : 10 Aug 2020 4:34 pm
Operator : Keith
Client ID : ICAL 0.2
Lab ID : 0.2ppb
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Dec 03 13:55:39 2020
Quant Method : H:\AIR2020\CHEM24\METHODS\24AIR_0810_wal.M
Quant Title : VOA Standards for 5 point calibration
QLast Update : Thu Dec 03 13:55:33 2020
Response via : Initial Calibration

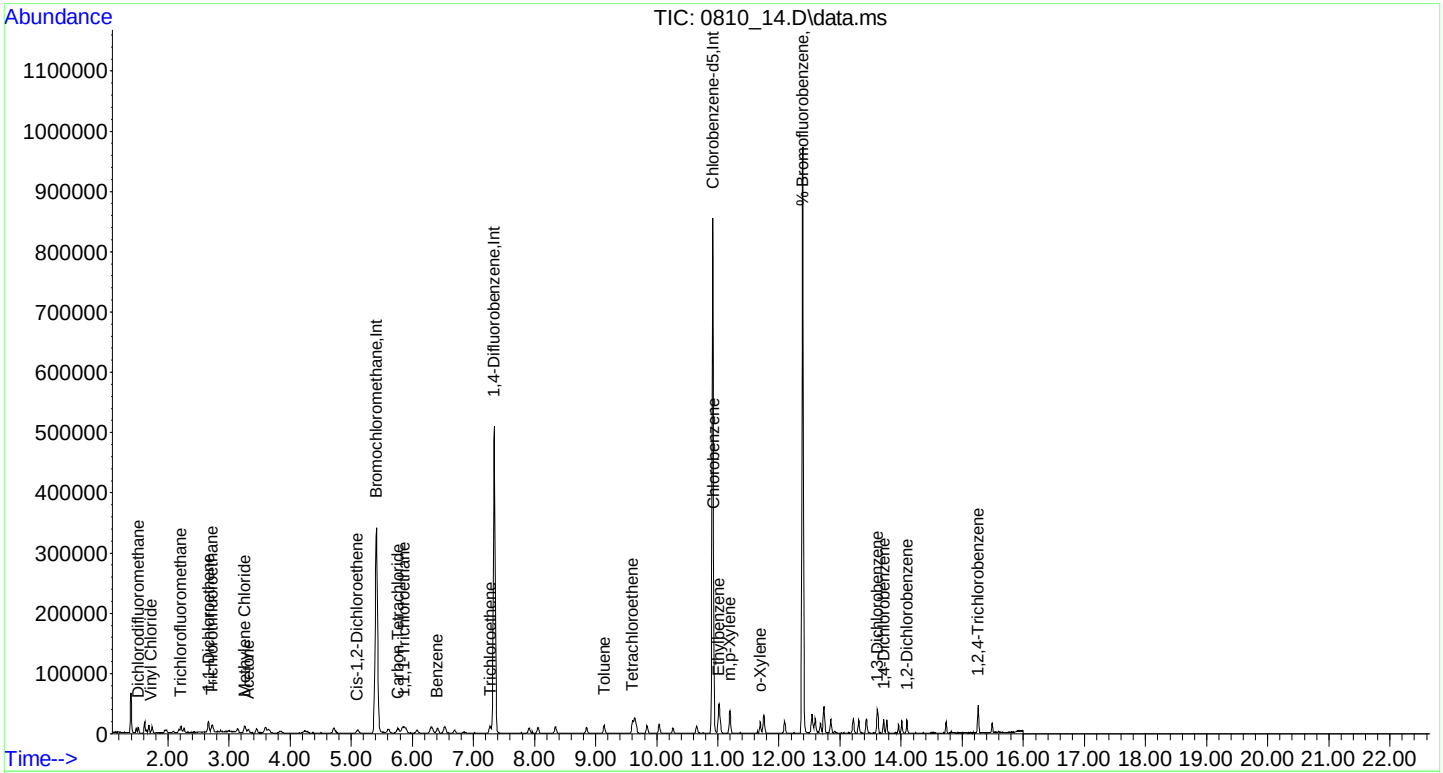
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Bromochloromethane	5.413	130	155283	10.000	ng		0.00
15) 1,4-Difluorobenzene	7.343	114	490080	10.000	ng		0.00
20) Chlorobenzene-d5	10.918	82	206551	10.000	ng		0.00
30) Bromochloromethane(sim)	5.416	130	165585	10.000	ng	#	0.00
41) 1,4-Difluorobenzene(sim)	7.343	114	490080	10.000	ng		0.00
47) Chlorobenzene-d5(sim)	10.918	82	206551	10.000	ng		0.00
System Monitoring Compounds							
25) % Bromofluorobenzene	12.391	95	321621	10.146	ppbv		0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 101.50%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.512	85	5869	0.232	ppbv		96
3) Vinyl Chloride	1.725	62	2950	0.198	ppbv		100
4) Acetone	3.320	43	9809	0.281	ppbv		100
5) Trichlorofluoromethane	2.211	101	7926	0.211	ppbv	#	96
6) 1,1-Dichloroethene	2.663	61	5836	0.221	ppbv		99
7) Methylene Chloride	3.251	49	7115	0.255	ppbv		95
8) Trichlorotrifluoroethane	2.725	101	6014	0.213	ppbv		96
10) Cis-1,2-Dichloroethene	5.096	61	4936	0.206	ppbv	#	76
12) 1,1,1-Trichloroethane	5.860	97	6731	0.219	ppbv		100
13) Benzene	6.411	78	6994	0.210	ppbv		94
14) Carbon Tetrachloride	5.766	117	7853	0.214	ppbv		98
17) Trichloroethene	7.274	130	4957	0.211	ppbv		98
18) Toluene	9.141	91	9792	0.213	ppbv		97
19) Tetrachloroethene	9.603	166	5933	0.212	ppbv		99
21) Chlorobenzene	10.931	112	9183	0.216	ppbv	#	75
22) Ethylbenzene	11.014	91	12639	0.211	ppbv		97
23) m,p-Xylene	11.199	91	19301	0.426	ppbv		96
24) o-Xylene	11.693	91	10607	0.221	ppbv		95
26) 1,3-Dichlorobenzene	13.618	146	8502	0.220	ppbv		95
27) 1,4-Dichlorobenzene	13.715	146	8251	0.223	ppbv		98
28) 1,2-Dichlorobenzene	14.092	146	6826	0.223	ppbv		97
29) 1,2,4-Trichlorobenzene	15.254	180	3954	0.242	ppbv		97
31) Vinyl Chloride(sim)	1.725	62	2950	0.194	ppbv		100
34) Carbon Tetrachloride(sim)	5.762	117	8084	0.206	ppbv		98
35) 1,1-Dichloroethene(sim)	2.663	61	5836	0.204	ppbv		99
39) Cis-1,2-Dichloroethene...	5.096	61	4936	0.193	ppbv	#	76
44) Trichloroethene(sim)	7.277	130	5333	0.203	ppbv		100
46) Tetrachloroethene(sim)	9.606	166	6493	0.205	ppbv		99
48) m,p-Xylene(sim)	11.202	91	21740	0.416	ppbv		99
50) 1,4-Dichlorobenzene(sim)	13.718	146	9238	0.208	ppbv		99

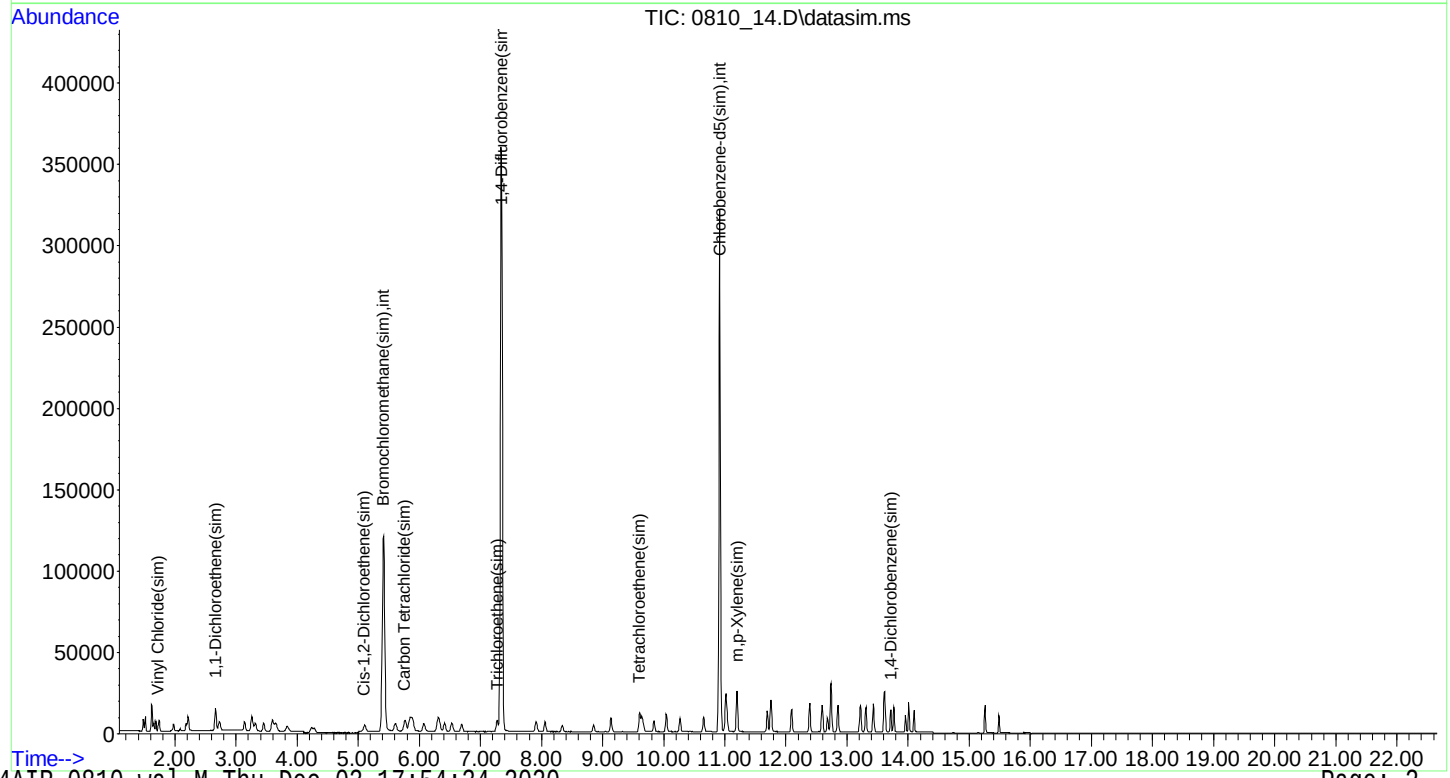
(#)out of range (m)manual integration reviewed by analyst (+)signals summed

Quantitation Report (RF) (QT Reviewed)

Data Path : H:\AIR2020\CHEM24\08AUG\10\
Data File : 0810_14.D
Acq On : 10 Aug 2020 4:34 pm
Operator : Keith
Client ID : ICAL 0.2
Lab ID : 0.2ppb
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Dec 03 13:55:39 2020
Quant Method : H:\AIR2020\CHEM24\METHODS\24AIR_0810_wal.M
Quant Title : VOA Standards for 5 point calibration
QLast Update : Thu Dec 03 13:55:33 2020
Response via : Initial Calibration





Data Path : H:\AIR2020\CHEM24\08AUG\10\
Data File : 0810_15.D
Acq On : 10 Aug 2020 5:07 pm
Operator : Keith
Client ID : ICAL 10
Lab ID : 10ppb
ALS Vial : 19 Sample Multiplier: 1

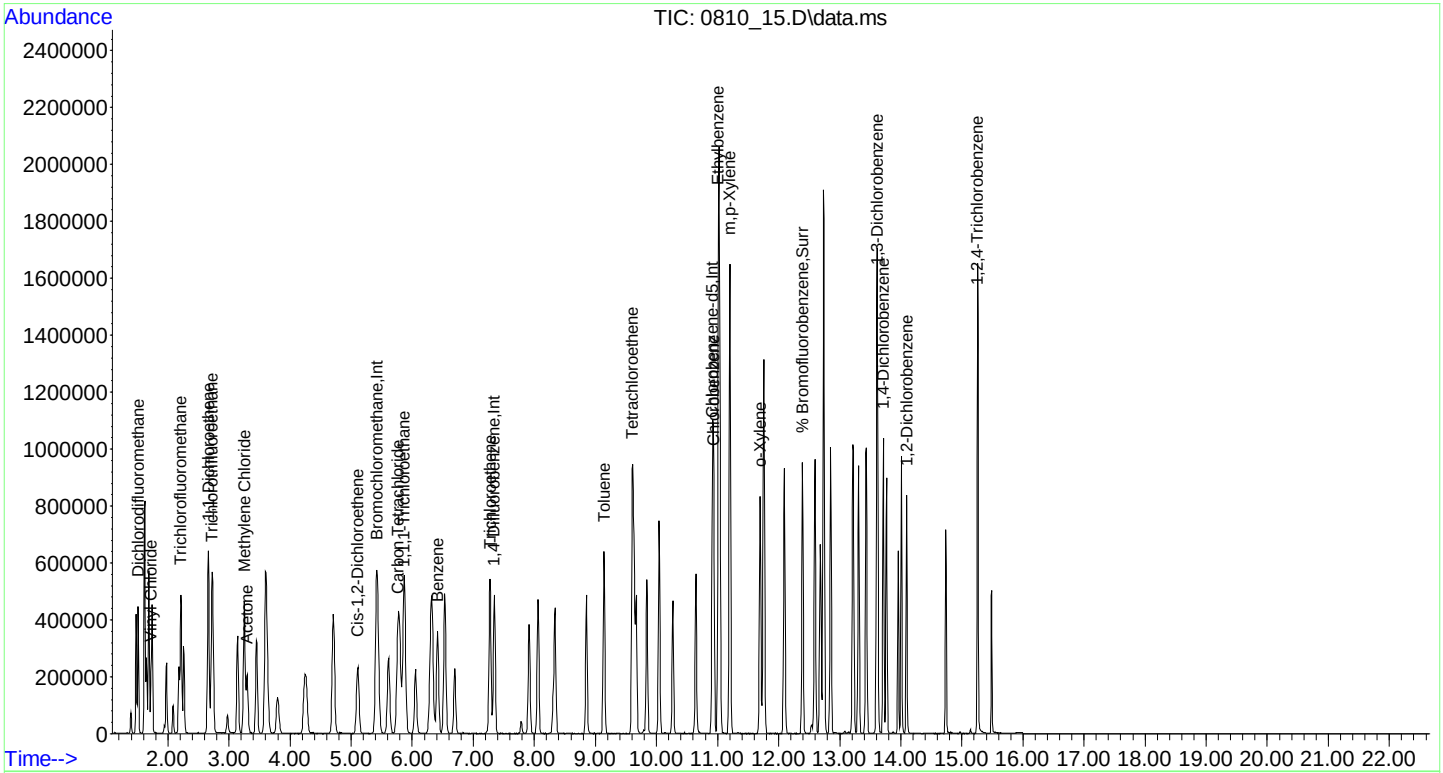
Quant Time: Dec 03 13:55:56 2020
Quant Method : H:\AIR2020\CHEM24\METHODS\24AIR_0810_wal.M
Quant Title : VOA Standards for 5 point calibration
QLast Update : Thu Dec 03 13:55:49 2020
Response via : Initial Calibration

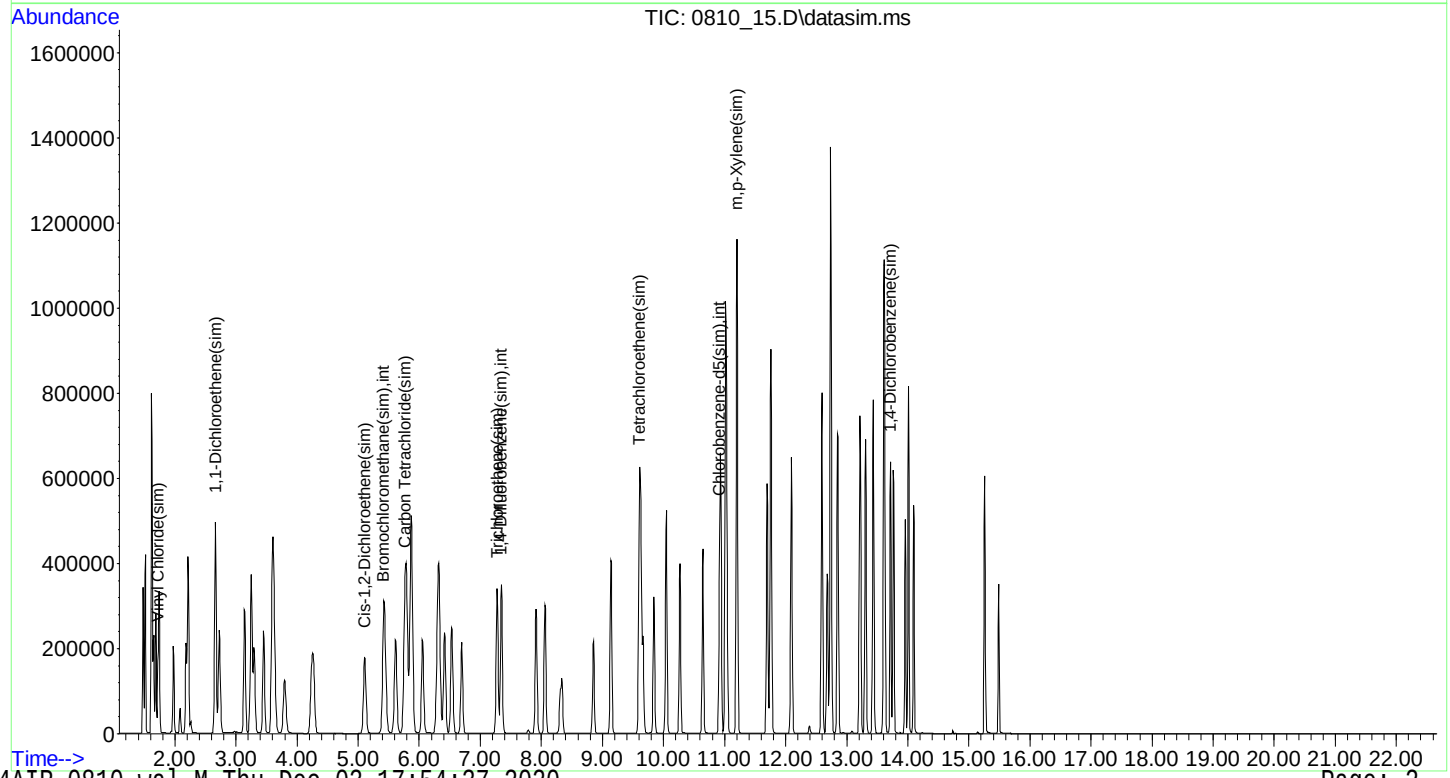
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Bromochloromethane	5.420	130	148683	10.000	ng		0.00
15) 1,4-Difluorobenzene	7.343	114	467637	10.000	ng		0.00
20) Chlorobenzene-d5	10.918	82	197895	10.000	ng		0.00
30) Bromochloromethane(sim)	5.416	130	159575	10.000	ng	#	0.00
41) 1,4-Difluorobenzene(sim)	7.343	114	467637	10.000	ng		0.00
47) Chlorobenzene-d5(sim)	10.918	82	197895	10.000	ng		0.00
System Monitoring Compounds							
25) % Bromofluorobenzene	12.392	95	310169	10.188	ppbv		0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 101.90%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.512	85	267348	11.059	ppbv		95
3) Vinyl Chloride	1.725	62	146971	10.292	ppbv		99
4) Acetone	3.299	43	299958	8.979	ppbv		95
5) Trichlorofluoromethane	2.211	101	377681	10.476	ppbv	#	95
6) 1,1-Dichloroethene	2.663	61	257989	10.189	ppbv		99
7) Methylene Chloride	3.251	49	259146	9.705	ppbv		95
8) Trichlorotrifluoroethane	2.725	101	279093	10.307	ppbv		97
10) Cis-1,2-Dichloroethene	5.110	61	233277	10.147	ppbv	#	75
12) 1,1,1-Trichloroethane	5.860	97	303229	10.322	ppbv		99
13) Benzene	6.418	78	315645	9.918	ppbv		94
14) Carbon Tetrachloride	5.766	117	367143	10.473	ppbv		97
17) Trichloroethene	7.274	130	229281	10.233	ppbv		98
18) Toluene	9.141	91	444149	10.148	ppbv		100
19) Tetrachloroethene	9.603	166	275378	10.305	ppbv		98
21) Chlorobenzene	10.938	112	415181	10.211	ppbv	#	71
22) Ethylbenzene	11.014	91	583314	10.159	ppbv		97
23) m,p-Xylene	11.199	91	911600	21.006	ppbv		97
24) o-Xylene	11.700	91	472995	10.266	ppbv		96
26) 1,3-Dichlorobenzene	13.618	146	368820	9.972	ppbv		97
27) 1,4-Dichlorobenzene	13.715	146	361104	10.183	ppbv		97
28) 1,2-Dichlorobenzene	14.098	146	283942	9.669	ppbv		97
29) 1,2,4-Trichlorobenzene	15.254	180	142728	9.119	ppbv		95
31) Vinyl Chloride(sim)	1.725	62	146971	10.034	ppbv		99
34) Carbon Tetrachloride(sim)	5.769	117	389924	10.291	ppbv		98
35) 1,1-Dichloroethene(sim)	2.663	61	257989	9.374	ppbv		99
39) Cis-1,2-Dichloroethene...	5.110	61	233424	9.462	ppbv	#	77
44) Trichloroethene(sim)	7.277	130	248408	9.913	ppbv		99
46) Tetrachloroethene(sim)	9.606	166	301638	9.980	ppbv		99
48) m,p-Xylene(sim)	11.202	91	985782	19.687	ppbv		100
50) 1,4-Dichlorobenzene(sim)	13.718	146	411555	9.670	ppbv		100

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

Data Path : H:\AIR2020\CHEM24\08AUG\10\
Data File : 0810_15.D
Acq On : 10 Aug 2020 5:07 pm
Operator : Keith
Client ID : ICAL 10
Lab ID : 10ppb
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Dec 03 13:55:56 2020
Quant Method : H:\AIR2020\CHEM24\METHODS\24AIR_0810_wal.M
Quant Title : VOA Standards for 5 point calibration
QLast Update : Thu Dec 03 13:55:49 2020
Response via : Initial Calibration





7A
AIR CONTINUING CALIBRATION CHECK

Lab Name: Phoenix Environmental Labs Client:

Lab Code: Phoenix Case No.: SAS No.: SDG No.: GCG56071

Instrument: CHEM24 Calibration Date: 08/18/20 Time: 19:50

Lab File Id: 0818_08.D Init. Calib. Date(s): 08/10/20 08/10/20

Heated Purge (Y/N): Y Init. Calib. Times: 10:07 17:07

GC Column: RTX-VMS Method File: 24AIR_0810_wal.M

COMPOUND	RRF	RRF1	RRF MIN	%D	% D LIMITS
Dichlorodifluoromethane	1.626	1.868		-14.9	30
Vinyl Chloride	0.960	0.972		-1.3	30
Acetone	2.247	2.648		-17.8	30
Trichlorofluoromethane	2.425	2.724		-12.3	30
1,1-Dichloroethene	1.703	1.783		-4.7	30
Methylene Chloride	1.796	1.910		-6.3	30
Trichlorotrifluoroethane	1.821	1.859		-2.1	30
Cis-1,2-Dichloroethene	1.546	1.502		2.8	30
1,1,1-Trichloroethane	1.976	2.156		-9.1	30
Benzene	2.183	1.927		11.7	30
Carbon Tetrachloride	2.358	2.553		-8.3	30
Trichloroethene	0.479	0.467		2.5	30
Toluene	0.936	0.882		5.8	30
Tetrachloroethene	0.571	0.549		3.9	30
Chlorobenzene	2.055	1.928		6.2	30
Ethylbenzene	2.901	2.699		7.0	30
m,p-Xylene	2.193	1.753		20.1	30
o-Xylene	2.328	2.190		5.9	30
1,3-Dichlorobenzene	1.869	1.779		4.8	30
1,4-Dichlorobenzene	1.792	1.759		1.8	30
1,2-Dichlorobenzene	1.484	1.464		1.3	30
1,2,4-Trichlorobenzene	0.791	0.800		-1.1	30
Vinyl Chloride(sim)	0.918	0.896		2.4	30
Carbon Tetrachloride(sim)	2.374	2.564		-8.0	30
1,1-Dichloroethene(sim)	1.725	1.645		4.6	30
Cis-1,2-Dichloroethene(sim)	1.546	1.385		10.4	30
Trichloroethene(sim)	0.536	0.510		4.9	30
Tetrachloroethene(sim)	0.646	0.612		5.3	30
m,p-Xylene(sim)	2.530	2.374		6.2	30
1,4-Dichlorobenzene(sim)	2.151	2.002		6.9	30
% Bromofluorobenzene	1.537	1.515		1.4	30

(*) Recommended RRF not met (+) %D exceeds criteria % (#) %D exceeds (maximum) criteria

%D: 20% of target compounds are allowed to be above criteria %, but must be less than the (maximum) %D

(#) Maximum %D not met.

Evaluate Continuing Calibration Report

Data Path : H:\AIR2020\CHEM24\08AUG\18\
Data File : 0818_08.D
Acq On : 18 Aug 2020 7:50 pm
Operator : Keith
Client ID : BFB TUNE - CCAL 1
Lab ID : 1.0ppb cc - 1.0ppb cc
ALS Vial : 133 Sample Multiplier: 1

Quant Time: Dec 03 14:28:21 2020
Quant Method : H:\AIR2020\CHEM24\METHODS\24AIR_0810_wal.M
Quant Title : VOA Standards for 5 point calibration
QLast Update : Thu Dec 03 14:24:50 2020
Response via : Initial Calibration

Note: Curves (l,lf,q,qf) display calculated concentration.
Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.20min
Max. RRF Dev : 30% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF		%Dev	Area%
1	Int	Bromochloromethane	1.000	1.000		0.0	79
2		Dichlorodifluoromethane	1.626	1.868		-14.9	
3		Vinyl Chloride	0.960	0.972		-1.3	
4		Acetone	2.247	2.648		-17.8	
5		Trichlorofluoromethane	2.425	2.724		-12.3	
6		1,1-Dichloroethene	1.703	1.783		-4.7	
7		Methylene Chloride	1.796	1.910		-6.3	
8		Trichlorotrifluoroethane	1.821	1.859		-2.1	
10		Cis-1,2-Dichloroethene	1.546	1.502		2.8	
12		1,1,1-Trichloroethane	1.976	2.156		-9.1	
13		Benzene	6.292	1.927	E3	69.4#	
14		Carbon Tetrachloride	2.358	2.553		-8.3	
15	Int	1,4-Difluorobenzene	1.000	1.000		0.0	76
17		Trichloroethene	0.479	0.467		2.5	
18		Toluene	0.936	0.882		5.8	
19		Tetrachloroethene	0.571	0.549		3.9	
20	Int	Chlorobenzene-d5	1.000	1.000		0.0	78
21		Chlorobenzene	2.055	1.928		6.2	
22		Ethylbenzene	2.901	2.699		7.0	
23		m,p-Xylene	2.193	1.753		20.1	
24		o-Xylene	2.328	2.190		5.9	
25	Surr	% Bromofluorobenzene	1.537	1.515		1.4	
26		1,3-Dichlorobenzene	1.869	1.779		4.8	
27		1,4-Dichlorobenzene	1.792	1.759		1.8	
28		1,2-Dichlorobenzene	1.484	1.464		1.3	
29		1,2,4-Trichlorobenzene	0.791	0.800		-1.1	
30	int	Bromochloromethane(sim)	1.000	1.000		0.0	80
31		Vinyl Chloride(sim)	0.918	0.896		2.4	
34		Carbon Tetrachloride(sim)	2.374	2.564		-8.0	
35		1,1-Dichloroethene(sim)	1.725	1.645		4.6	
39		Cis-1,2-Dichloroethene(sim)	1.546	1.385		10.4	
41	int	1,4-Difluorobenzene(sim)	1.000	1.000		0.0	76
44		Trichloroethene(sim)	0.536	0.510		4.9	
46		Tetrachloroethene(sim)	0.646	0.612		5.3	
47	int	Chlorobenzene-d5(sim)	1.000	1.000		0.0	78
48		m,p-Xylene(sim)	2.530	2.374		6.2	
50		1,4-Dichlorobenzene(sim)	2.151	2.002		6.9	

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

Quantitation Report (QT Reviewed)

Data Path : H:\AIR2020\CHEM24\08AUG\18\
Data File : 0818_08.D
Acq On : 18 Aug 2020 7:50 pm
Operator : Keith
Client ID : BFB TUNE - CCAL 1
Lab ID : 1.0ppb cc - 1.0ppb cc
ALS Vial : 133 Sample Multiplier: 1

Quant Time: Dec 03 14:28:21 2020
Quant Method : H:\AIR2020\CHEM24\METHODS\24AIR_0810_wal.M
Quant Title : VOA Standards for 5 point calibration
QLast Update : Thu Dec 03 14:24:50 2020
Response via : Initial Calibration

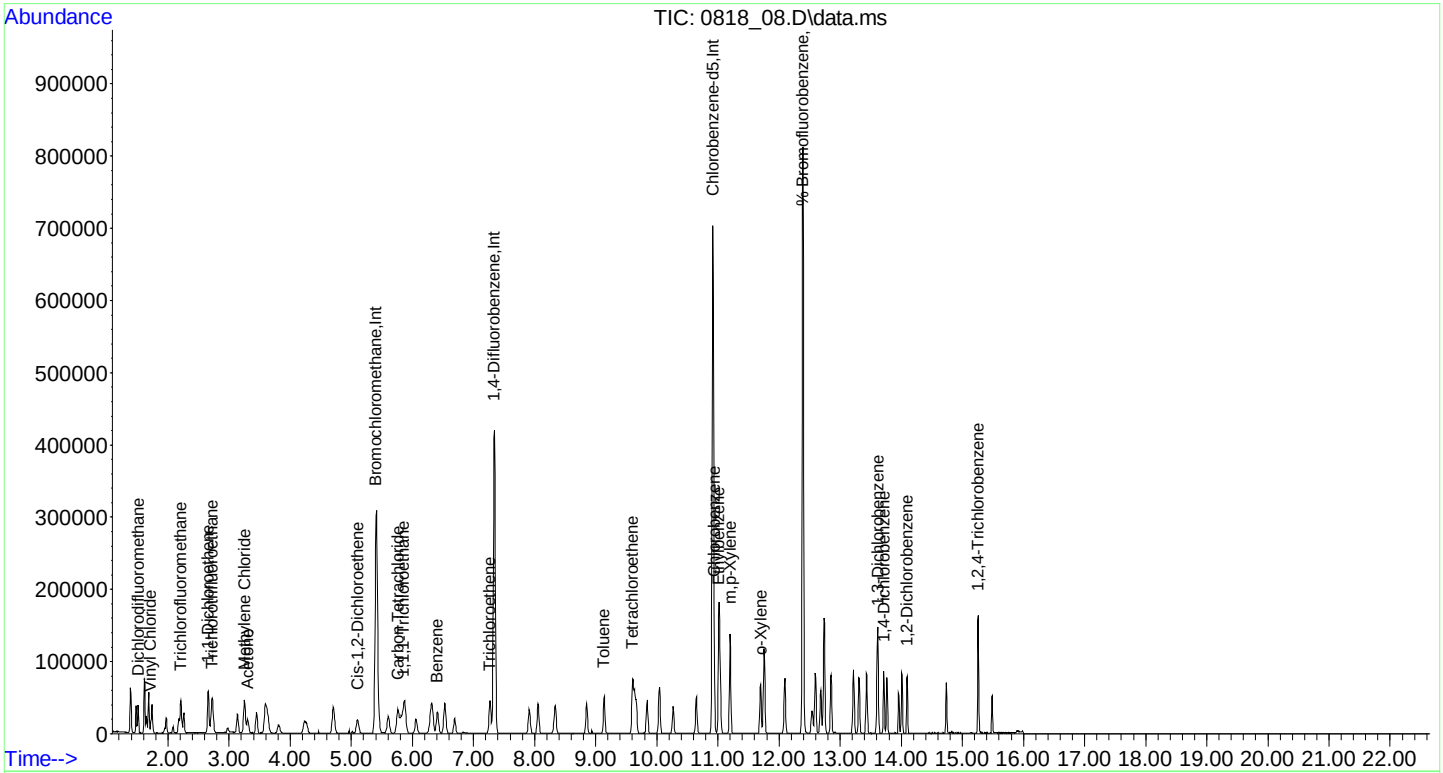
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Bromochloromethane	5.406	130	125966	10.000	ng		0.00
15) 1,4-Difluorobenzene	7.343	114	386855	10.000	ng		0.00
20) Chlorobenzene-d5	10.918	82	168340	10.000	ng		0.00
30) Bromochloromethane(sim)	5.416	130	136576	10.000	ng	#	0.00
41) 1,4-Difluorobenzene(sim)	7.343	114	386855	10.000	ng		0.00
47) Chlorobenzene-d5(sim)	10.918	82	168340	10.000	ng		0.00
System Monitoring Compounds							
25) % Bromofluorobenzene	12.391	95	255029	9.855	ppbv		0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	98.50%			
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.512	85	23536	1.149	ppbv		97
3) Vinyl Chloride	1.718	62	12243	1.012	ppbv		80
4) Acetone	3.306	43	33358	1.179	ppbv		95
5) Trichlorofluoromethane	2.211	101	34312	1.123	ppbv		98
6) 1,1-Dichloroethene	2.656	61	22463	1.047	ppbv		90
7) Methylene Chloride	3.251	49	24055	1.063	ppbv		93
8) Trichlorotrifluoroethane	2.725	101	23411	1.021	ppbv		94
10) Cis-1,2-Dichloroethene	5.103	61	18916	0.971	ppbv		94
12) 1,1,1-Trichloroethane	5.852	97	27158	1.091	ppbv		96
13) Benzene	6.405	78	24279	0.883	ppbv	#	94
14) Carbon Tetrachloride	5.766	117	32162	1.083	ppbv		95
17) Trichloroethene	7.267	130	18079	0.975	ppbv	#	79
18) Toluene	9.134	91	34112	0.942	ppbv		91
19) Tetrachloroethene	9.603	166	21221	0.960	ppbv		90
21) Chlorobenzene	10.938	112	32461	0.938	ppbv	#	14
22) Ethylbenzene	11.014	91	45435	0.930	ppbv		98
23) m,p-Xylene	11.199	91	73766	1.998	ppbv		96
24) o-Xylene	11.700	91	36872	0.941	ppbv		96
26) 1,3-Dichlorobenzene	13.618	146	29954	0.952	ppbv	#	90
27) 1,4-Dichlorobenzene	13.715	146	29616	0.982	ppbv		95
28) 1,2-Dichlorobenzene	14.098	146	24640	0.986	ppbv		97
29) 1,2,4-Trichlorobenzene	15.256	180	13473	1.012	ppbv		97
31) Vinyl Chloride(sim)	1.718	62	12243	0.977	ppbv	#	80
34) Carbon Tetrachloride(sim)	5.762	117	35023	1.080	ppbv		99
35) 1,1-Dichloroethene(sim)	2.656	61	22463	0.954	ppbv		89
39) Cis-1,2-Dichloroethene...	5.103	61	18916	0.896	ppbv		94
44) Trichloroethene(sim)	7.270	130	19732	0.952	ppbv		98
46) Tetrachloroethene(sim)	9.606	166	23657	0.946	ppbv		96
48) m,p-Xylene(sim)	11.202	91	79924	1.876	ppbv		97
50) 1,4-Dichlorobenzene(sim)	13.718	146	33701	0.931	ppbv		98

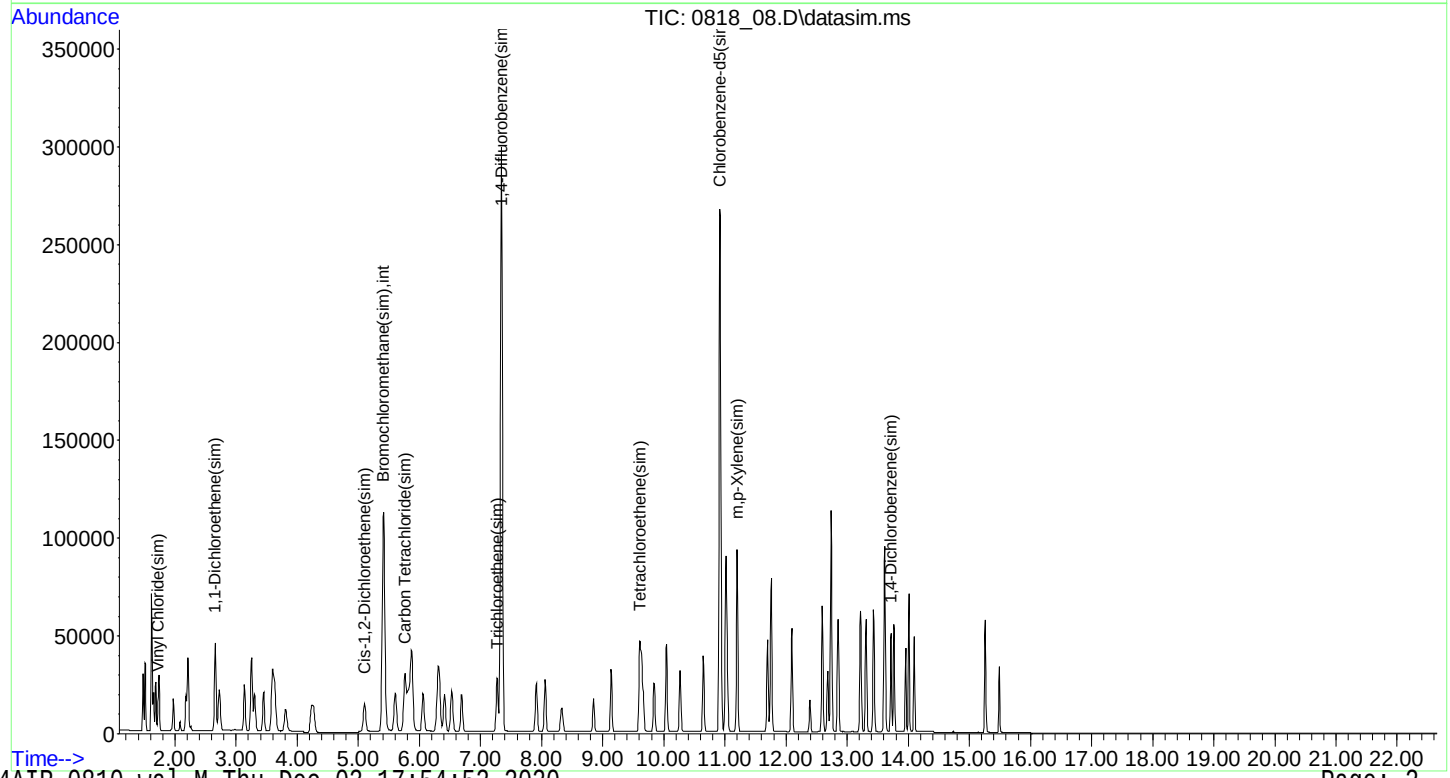
(#)out of range (m)manual integration reviewed by analyst (+)signals summed

Quantitation Report (QT Reviewed)

Data Path : H:\AIR2020\CHEM24\08AUG\18\
Data File : 0818_08.D
Acq On : 18 Aug 2020 7:50 pm
Operator : Keith
Client ID : BFB TUNE - CCAL 1
Lab ID : 1.0ppb cc - 1.0ppb cc
ALS Vial : 133 Sample Multiplier: 1

Quant Time: Dec 03 14:28:21 2020
Quant Method : H:\AIR2020\CHEM24\METHODS\24AIR_0810_wal.M
Quant Title : VOA Standards for 5 point calibration
QLast Update : Thu Dec 03 14:24:50 2020
Response via : Initial Calibration





1

AIR ANALYSIS DATA SHEET

CLIENT ID: CG56077 LCS

Client: WALDENE-IPARK Lab: Phoenix Env. Labs

SDG No.: GCG56071 Lab Sample ID: CG56077 LCS

Canister: LCS Lab File ID: 0818_10.D

Instrument: CHEM24 Column: RTX-VMS Date Received: 08/18/20

Purge Volume 200 (cc) Date Analyzed: 08/18/20

Matrix: AIR Dilution Factor: 1

CONCENTRATION UNITS: (ppbv or ug/m3) ppbv

CAS NO.	COMPOUND	CONC.	Q	MDL	PQL	R
75-71-8	Dichlorodifluoromethane	10.4		0.200	0.200	r
75-01-4	Vinyl Chloride	11.1		0.020	0.020	r
67-64-1	Acetone	10.3		1.00	1.00	r
75-69-4	Trichlorofluoromethane	12.2		0.150	0.150	r
75-35-4	1,1-Dichloroethene	11.4		0.050	0.050	r
75-09-2	Methylene Chloride	10.7		0.400	0.400	r
76-13-1	Trichlorotrifluoroethane	11.2		0.150	0.150	r
156-59-2	Cis-1,2-Dichloroethene	11.0		0.050	0.050	r
71-55-6	1,1,1-Trichloroethane	11.9		0.200	0.200	r
71-43-2	Benzene	9.64		0.050	0.050	r
56-23-5	Carbon Tetrachloride	12.2		0.020	0.020	r
79-01-6	Trichloroethene	10.6		0.037	0.037	r
108-88-3	Toluene	10.4		0.200	0.200	r
127-18-4	Tetrachloroethene	10.7		0.100	0.100	r
108-90-7	Chlorobenzene	10.6		0.200	0.200	r
100-41-4	Ethylbenzene	10.6		0.150	0.150	r
179601-23-1	m,p-Xylene	21.5		0.150	0.150	r
95-47-6	o-Xylene	10.8		0.150	0.150	r
541-73-1	1,3-Dichlorobenzene	11.1		0.150	0.150	r
106-46-7	1,4-Dichlorobenzene	11.3		0.150	0.150	r
95-50-1	1,2-Dichlorobenzene	11.1		0.150	0.150	r
120-82-1	1,2,4-Trichlorobenzene	10.4		0.250	0.250	r

FORM I AIR

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

Quantitation Report (QT Reviewed)

Data Path : H:\AIR2020\CHEM24\08AUG\18\
Data File : 0818_10.D
Acq On : 18 Aug 2020 9:01 pm
Operator : Keith
Client ID : CG56077 LCS
Lab ID : CG56077 LCS
ALS Vial : 135 Sample Multiplier: 1

Quant Time: Dec 03 14:28:52 2020
Quant Method : H:\AIR2020\CHEM24\METHODS\24AIR_0810_wal.M
Quant Title : VOA Standards for 5 point calibration
QLast Update : Thu Dec 03 14:24:50 2020
Response via : Initial Calibration

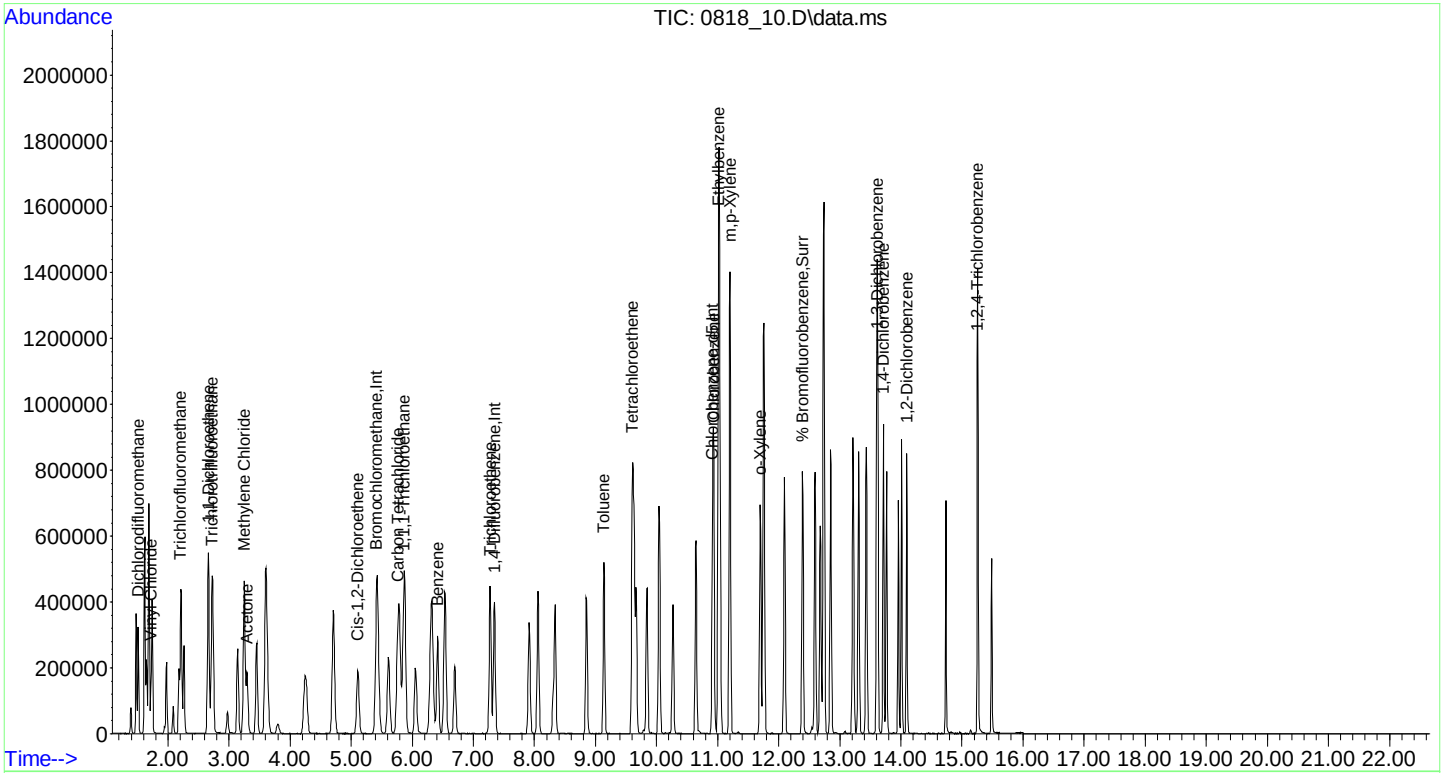
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Bromochloromethane	5.417	130	115722	10.000	ng		0.01
15) 1,4-Difluorobenzene	7.347	114	361438	10.000	ng		0.01
20) Chlorobenzene-d5	10.915	82	157590	10.000	ng		0.00
30) Bromochloromethane(sim)	5.420	130	125157	10.000	ng	#	0.01
41) 1,4-Difluorobenzene(sim)	7.347	114	361438	10.000	ng		0.01
47) Chlorobenzene-d5(sim)	10.915	82	157590	10.000	ng		0.00
System Monitoring Compounds							
25) % Bromofluorobenzene	12.389	95	252295	10.414	ppbv		0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 104.10%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.512	85	195770	10.405	ppbv		99
3) Vinyl Chloride	1.725	62	123483	11.110	ppbv		81
4) Acetone	3.299	43	267731	10.298	ppbv	#	86
5) Trichlorofluoromethane	2.211	101	343299	12.235	ppbv		100
6) 1,1-Dichloroethene	2.663	61	225398	11.437	ppbv		90
7) Methylene Chloride	3.251	49	221955	10.680	ppbv		94
8) Trichlorotrifluoroethane	2.725	101	234941	11.148	ppbv		93
10) Cis-1,2-Dichloroethene	5.107	61	197607	11.043	ppbv		93
12) 1,1,1-Trichloroethane	5.864	97	271391	11.869	ppbv		95
13) Benzene	6.415	78	243585	9.640	ppbv	#	92
14) Carbon Tetrachloride	5.770	117	332001	12.168	ppbv		94
17) Trichloroethene	7.278	130	183631	10.604	ppbv	#	78
18) Toluene	9.138	91	350106	10.349	ppbv		91
19) Tetrachloroethene	9.608	166	219946	10.649	ppbv		89
21) Chlorobenzene	10.935	112	341884	10.559	ppbv	#	10
22) Ethylbenzene	11.018	91	484271	10.592	ppbv		96
23) m,p-Xylene	11.203	91	743996	21.528	ppbv		96
24) o-Xylene	11.697	91	395660	10.784	ppbv		97
26) 1,3-Dichlorobenzene	13.622	146	327053	11.105	ppbv		89
27) 1,4-Dichlorobenzene	13.713	146	318885	11.292	ppbv		98
28) 1,2-Dichlorobenzene	14.096	146	260169	11.125	ppbv		97
29) 1,2,4-Trichlorobenzene	15.252	180	129470	10.388	ppbv		94
31) Vinyl Chloride(sim)	1.725	62	123483	10.749	ppbv	#	81
34) Carbon Tetrachloride(sim)	5.773	117	356490	11.996	ppbv		99
35) 1,1-Dichloroethene(sim)	2.663	61	225398	10.442	ppbv		90
39) Cis-1,2-Dichloroethene...	5.107	61	197607	10.212	ppbv		95
44) Trichloroethene(sim)	7.274	130	203038	10.483	ppbv		98
46) Tetrachloroethene(sim)	9.610	166	246495	10.552	ppbv		96
48) m,p-Xylene(sim)	11.199	91	825479	20.702	ppbv		97
50) 1,4-Dichlorobenzene(sim)	13.716	146	367770	10.851	ppbv		99

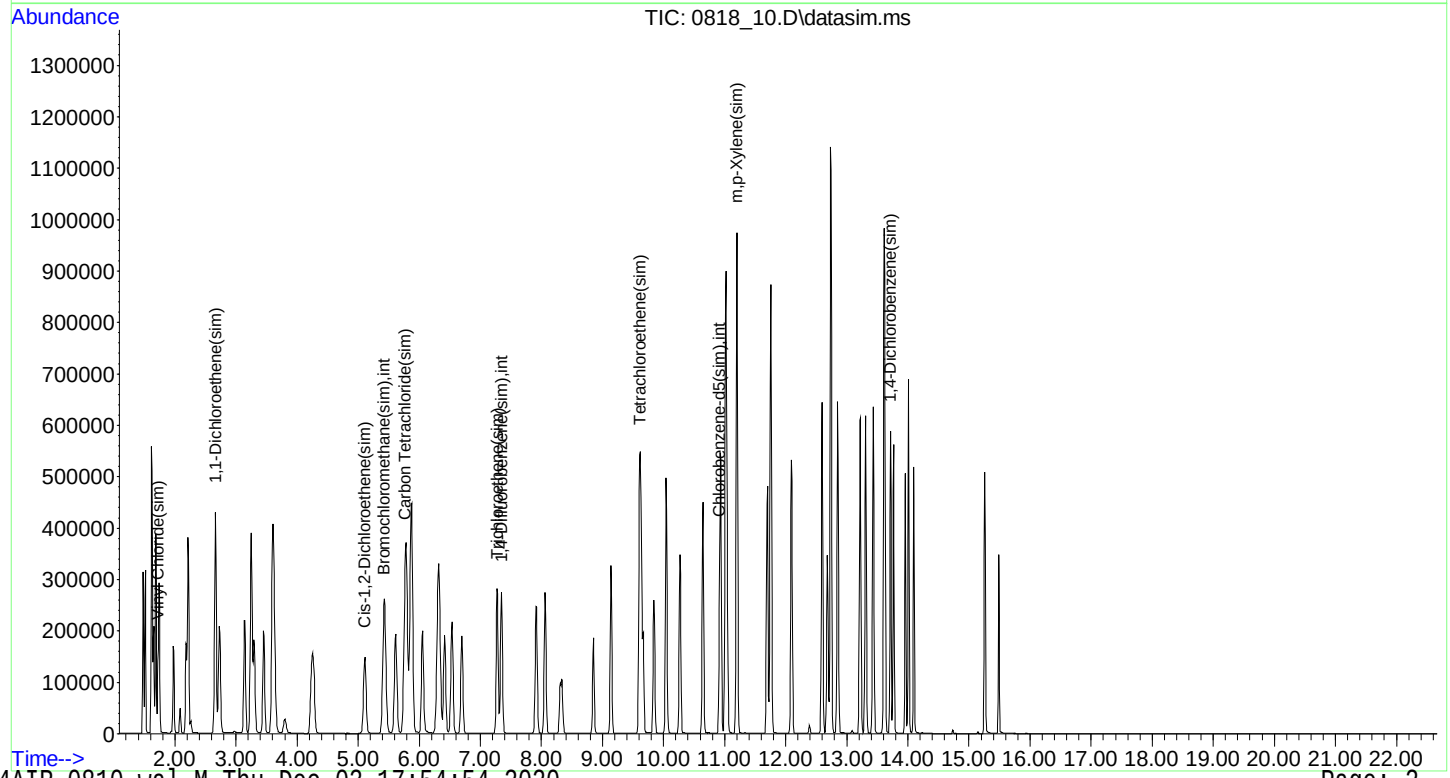
(#)out of range (m)manual integration reviewed by analyst (+)signals summed

Quantitation Report (QT Reviewed)

Data Path : H:\AIR2020\CHEM24\08AUG\18\
Data File : 0818_10.D
Acq On : 18 Aug 2020 9:01 pm
Operator : Keith
Client ID : CG56077 LCS
Lab ID : CG56077 LCS
ALS Vial : 135 Sample Multiplier: 1

Quant Time: Dec 03 14:28:52 2020
Quant Method : H:\AIR2020\CHEM24\METHODS\24AIR_0810_wal.M
Quant Title : VOA Standards for 5 point calibration
QLast Update : Thu Dec 03 14:24:50 2020
Response via : Initial Calibration





1

AIR ANALYSIS DATA SHEET

CLIENT ID: CG56077 LCSD

Client: WALDENE-IPARK Lab: Phoenix Env. Labs

SDG No.: GCG56071 Lab Sample ID: CG56077 LCS

Canister: LCS Lab File ID: 0818_11.D

Instrument: CHEM24 Column: RTX-VMS Date Received: 08/18/20

Purge Volume 200 (cc) Date Analyzed: 08/18/20

Matrix: AIR Dilution Factor: 1

CONCENTRATION UNITS: (ppbv or ug/m3) ppbv

CAS NO.	COMPOUND	CONC.	Q	MDL	PQL	R
75-71-8	Dichlorodifluoromethane	4.30		0.200	0.200	r
75-01-4	Vinyl Chloride	10.7		0.020	0.020	r
67-64-1	Acetone	9.86		1.00	1.00	r
75-69-4	Trichlorofluoromethane	11.5		0.150	0.150	r
75-35-4	1,1-Dichloroethene	10.8		0.050	0.050	r
75-09-2	Methylene Chloride	10.3		0.400	0.400	r
76-13-1	Trichlorotrifluoroethane	10.5		0.150	0.150	r
156-59-2	Cis-1,2-Dichloroethene	10.3		0.050	0.050	r
71-55-6	1,1,1-Trichloroethane	11.0		0.200	0.200	r
71-43-2	Benzene	9.03		0.050	0.050	r
56-23-5	Carbon Tetrachloride	11.2		0.020	0.020	r
79-01-6	Trichloroethene	9.94		0.037	0.037	r
108-88-3	Toluene	9.75		0.200	0.200	r
127-18-4	Tetrachloroethene	9.93		0.100	0.100	r
108-90-7	Chlorobenzene	9.49		0.200	0.200	r
100-41-4	Ethylbenzene	9.65		0.150	0.150	r
179601-23-1	m,p-Xylene	20.3		0.150	0.150	r
95-47-6	o-Xylene	9.84		0.150	0.150	r
541-73-1	1,3-Dichlorobenzene	10.0		0.150	0.150	r
106-46-7	1,4-Dichlorobenzene	10.3		0.150	0.150	r
95-50-1	1,2-Dichlorobenzene	10.1		0.150	0.150	r
120-82-1	1,2,4-Trichlorobenzene	9.51		0.250	0.250	r

FORM I AIR

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

Quantitation Report (QT Reviewed)

Data Path : H:\AIR2020\CHEM24\08AUG\18\
Data File : 0818_11.D
Acq On : 18 Aug 2020 9:38 pm
Operator : Keith
Client ID : CG56077 LCSD
Lab ID : CG56077 LCSD
ALS Vial : 136 Sample Multiplier: 1

Quant Time: Dec 03 14:29:04 2020
Quant Method : H:\AIR2020\CHEM24\METHODS\24AIR_0810_wal.M
Quant Title : VOA Standards for 5 point calibration
QLast Update : Thu Dec 03 14:24:50 2020
Response via : Initial Calibration

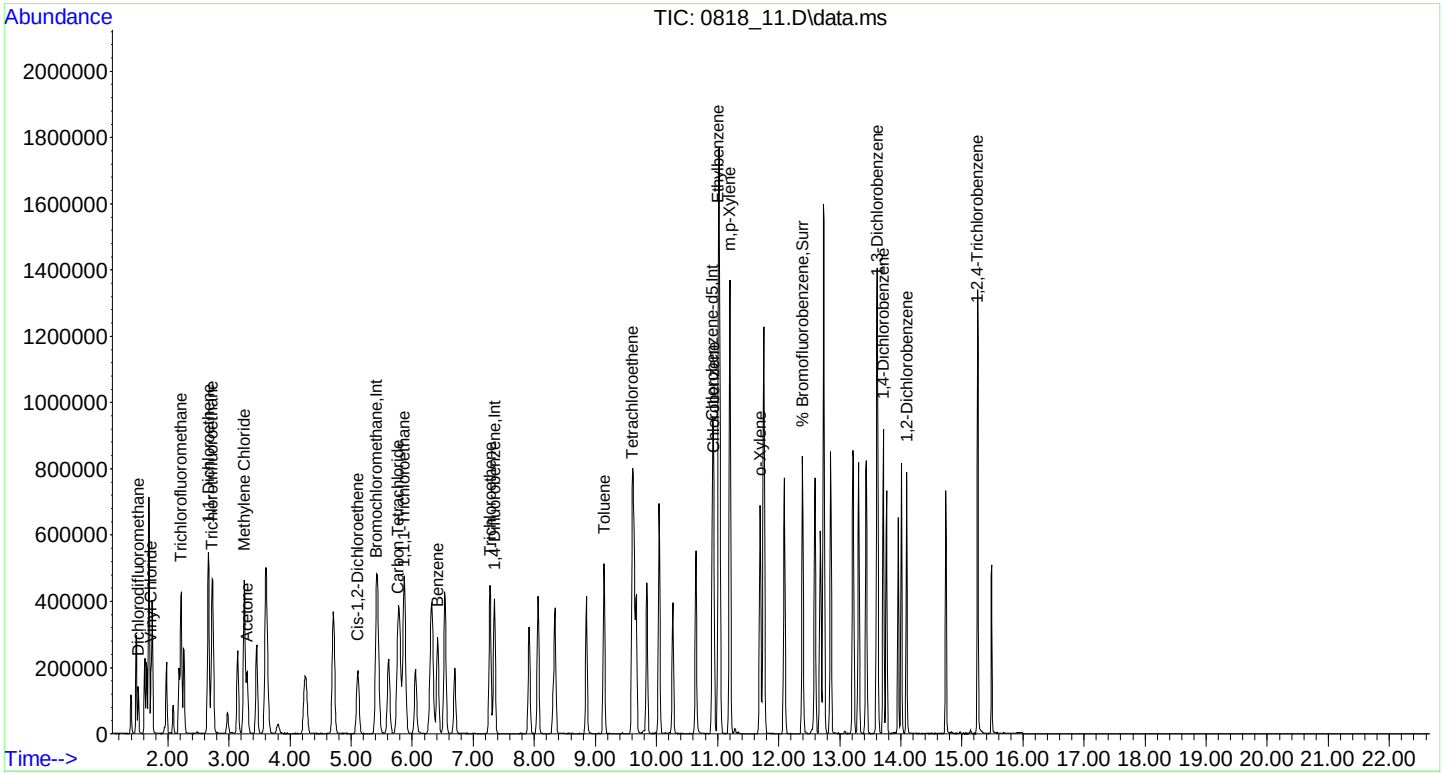
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Bromochloromethane	5.413	130	121717	10.000	ng		0.00
15) 1,4-Difluorobenzene	7.350	114	380796	10.000	ng		0.01
20) Chlorobenzene-d5	10.918	82	168273	10.000	ng		0.00
30) Bromochloromethane(sim)	5.423	130	133698	10.000	ng	#	0.01
41) 1,4-Difluorobenzene(sim)	7.350	114	380796	10.000	ng		0.01
47) Chlorobenzene-d5(sim)	10.918	82	168273	10.000	ng		0.00
System Monitoring Compounds							
25) % Bromofluorobenzene	12.392	95	263237	10.176	ppbv		0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 101.80%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.513	85	85096	4.300	ppbv		98
3) Vinyl Chloride	1.725	62	124782	10.674	ppbv		81
4) Acetone	3.299	43	269619	9.859	ppbv	#	86
5) Trichlorofluoromethane	2.218	101	338770	11.478	ppbv		100
6) 1,1-Dichloroethene	2.663	61	224188	10.815	ppbv		91
7) Methylene Chloride	3.251	49	224768	10.283	ppbv		94
8) Trichlorotrifluoroethane	2.725	101	232413	10.485	ppbv		93
10) Cis-1,2-Dichloroethene	5.110	61	193508	10.282	ppbv		95
12) 1,1,1-Trichloroethane	5.860	97	265507	11.040	ppbv		94
13) Benzene	6.418	78	240040	9.032	ppbv	#	92
14) Carbon Tetrachloride	5.766	117	322658	11.243	ppbv		95
17) Trichloroethene	7.274	130	181276	9.936	ppbv	#	79
18) Toluene	9.141	91	347536	9.751	ppbv		90
19) Tetrachloroethene	9.603	166	216006	9.927	ppbv		89
21) Chlorobenzene	10.938	112	327984	9.486	ppbv	#	10
22) Ethylbenzene	11.014	91	471186	9.651	ppbv		96
23) m,p-Xylene	11.199	91	747641	20.260	ppbv		96
24) o-Xylene	11.700	91	385338	9.836	ppbv		97
26) 1,3-Dichlorobenzene	13.618	146	315638	10.037	ppbv		89
27) 1,4-Dichlorobenzene	13.715	146	308961	10.246	ppbv		98
28) 1,2-Dichlorobenzene	14.098	146	251366	10.066	ppbv		97
29) 1,2,4-Trichlorobenzene	15.254	180	126542	9.508	ppbv		94
31) Vinyl Chloride(sim)	1.725	62	124698	10.161	ppbv	#	81
34) Carbon Tetrachloride(sim)	5.769	117	349339	11.004	ppbv		99
35) 1,1-Dichloroethene(sim)	2.663	61	224156	9.721	ppbv		91
39) Cis-1,2-Dichloroethene...	5.110	61	193580	9.365	ppbv		95
44) Trichloroethene(sim)	7.277	130	199504	9.777	ppbv		98
46) Tetrachloroethene(sim)	9.606	166	241129	9.798	ppbv		96
48) m,p-Xylene(sim)	11.202	91	818923	19.234	ppbv		97
50) 1,4-Dichlorobenzene(sim)	13.718	146	355153	9.814	ppbv		98

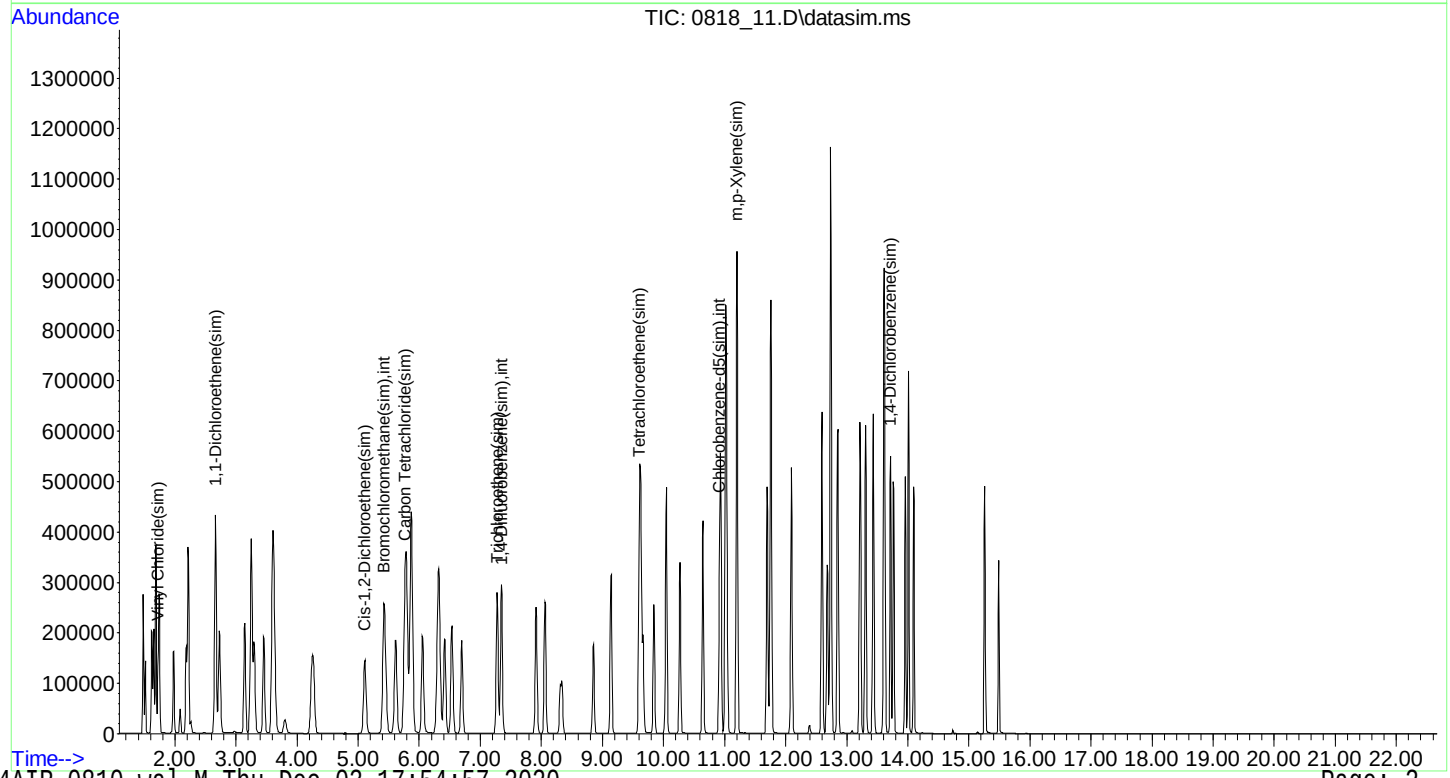
(#)out of range (m)manual integration reviewed by analyst (+)signals summed

Quantitation Report (QT Reviewed)

Data Path : H:\AIR2020\CHEM24\08AUG\18\
Data File : 0818_11.D
Acq On : 18 Aug 2020 9:38 pm
Operator : Keith
Client ID : CG56077 LCSD
Lab ID : CG56077 LCSD
ALS Vial : 136 Sample Multiplier: 1

Quant Time: Dec 03 14:29:04 2020
Quant Method : H:\AIR2020\CHEM24\METHODS\24AIR_0810_wal.M
Quant Title : VOA Standards for 5 point calibration
QLast Update : Thu Dec 03 14:24:50 2020
Response via : Initial Calibration





1

AIR ANALYSIS DATA SHEET

CLIENT ID: CG56077 BLANK

Client: WALDENE-IPARK Lab: Phoenix Env. Labs

SDG No.: GCG56071 Lab Sample ID: CG56077 BL

Canister: BL Lab File ID: 0818_13.D

Instrument: CHEM24 Column: RTX-VMS Date Received: 08/18/20

Purge Volume 200 (cc) Date Analyzed: 08/18/20

Matrix: AIR Dilution Factor: 1

CONCENTRATION UNITS: (ppbv or ug/m3) ppbv

CAS NO.	COMPOUND	CONC.	Q	MDL	PQL	R
75-71-8	Dichlorodifluoromethane	0.200	U	0.200	0.200	r
67-64-1	Acetone	1.00	U	1.00	1.00	r
75-09-2	Methylene Chloride	0.400	U	0.400	0.400	r
71-43-2	Benzene	0.050	U	0.050	0.050	r
108-88-3	Toluene	0.200	U	0.200	0.200	r
108-90-7	Chlorobenzene	0.200	U	0.200	0.200	r
100-41-4	Ethylbenzene	0.150	U	0.150	0.150	r
95-47-6	o-Xylene	0.150	U	0.150	0.150	r
120-82-1	1,2,4-Trichlorobenzene	0.250	U	0.250	0.250	r
75-01-4	Vinyl Chloride(sim)	0.020	U	0.020	0.020	r
56-23-5	Carbon Tetrachloride(sim)	0.020	U	0.020	0.020	r
75-35-4	1,1-Dichloroethene(sim)	0.050	U	0.050	0.050	r
156-59-2	Cis-1,2-Dichloroethene(sim)	0.050	U	0.050	0.050	r
79-01-6	Trichloroethene(sim)	0.037	U	0.037	0.037	r
127-18-4	Tetrachloroethene(sim)	0.100	U	0.100	0.100	r
179601-23-1	m,p-Xylene(sim)	0.150	U	0.150	0.150	r
106-46-7	1,4-Dichlorobenzene(sim)	0.150	U	0.150	0.150	r

FORM I AIR

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

Quantitation Report (QT Reviewed)

Data Path : H:\AIR2020\CHEM24\08AUG\18\
Data File : 0818_13.D
Acq On : 18 Aug 2020 10:40 pm
Operator : Keith
Client ID : CG56077 BLANK
Lab ID : CG56077 BLANK
ALS Vial : 138 Sample Multiplier: 1

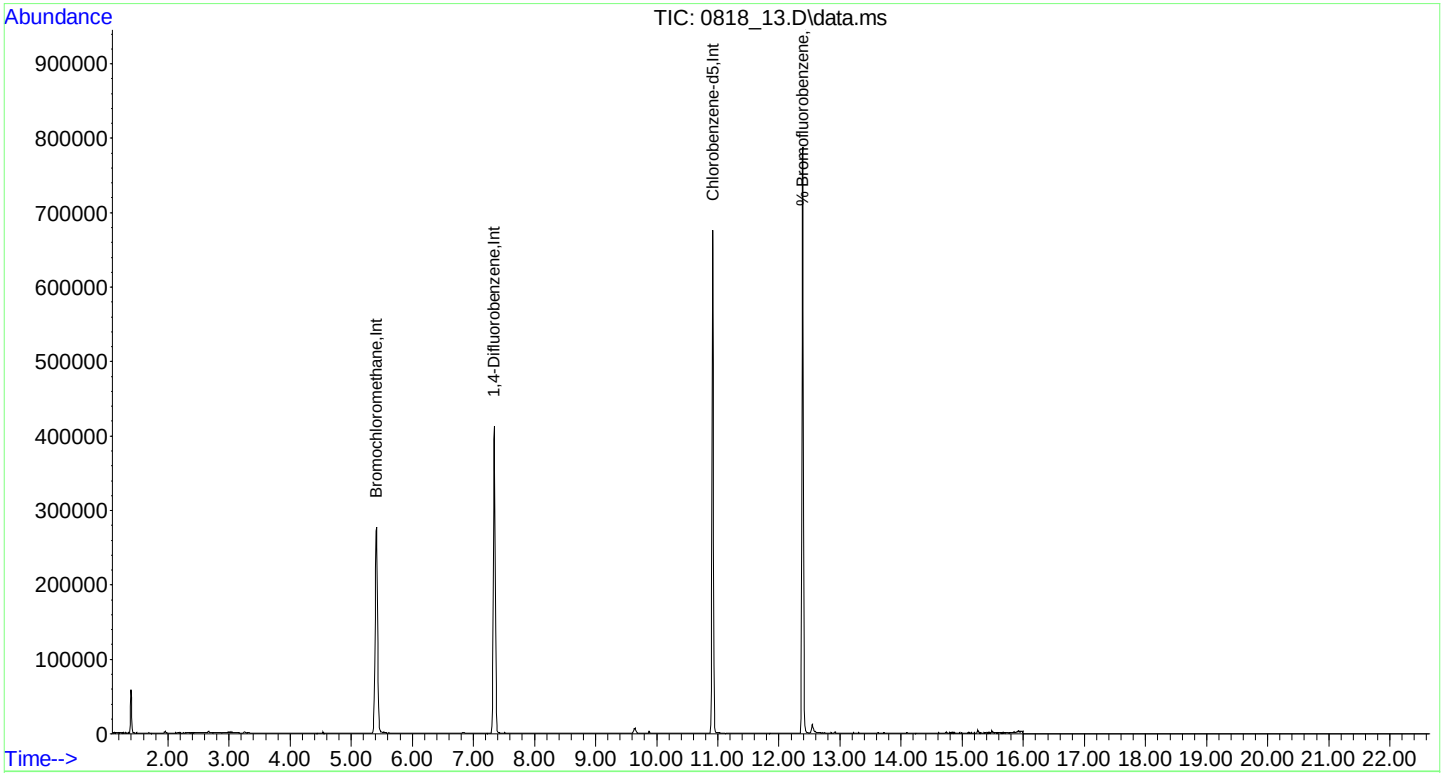
Quant Time: Dec 03 14:29:25 2020
Quant Method : H:\AIR2020\CHEM24\METHODS\24AIR_0810_wal.M
Quant Title : VOA Standards for 5 point calibration
QLast Update : Thu Dec 03 14:24:50 2020
Response via : Initial Calibration

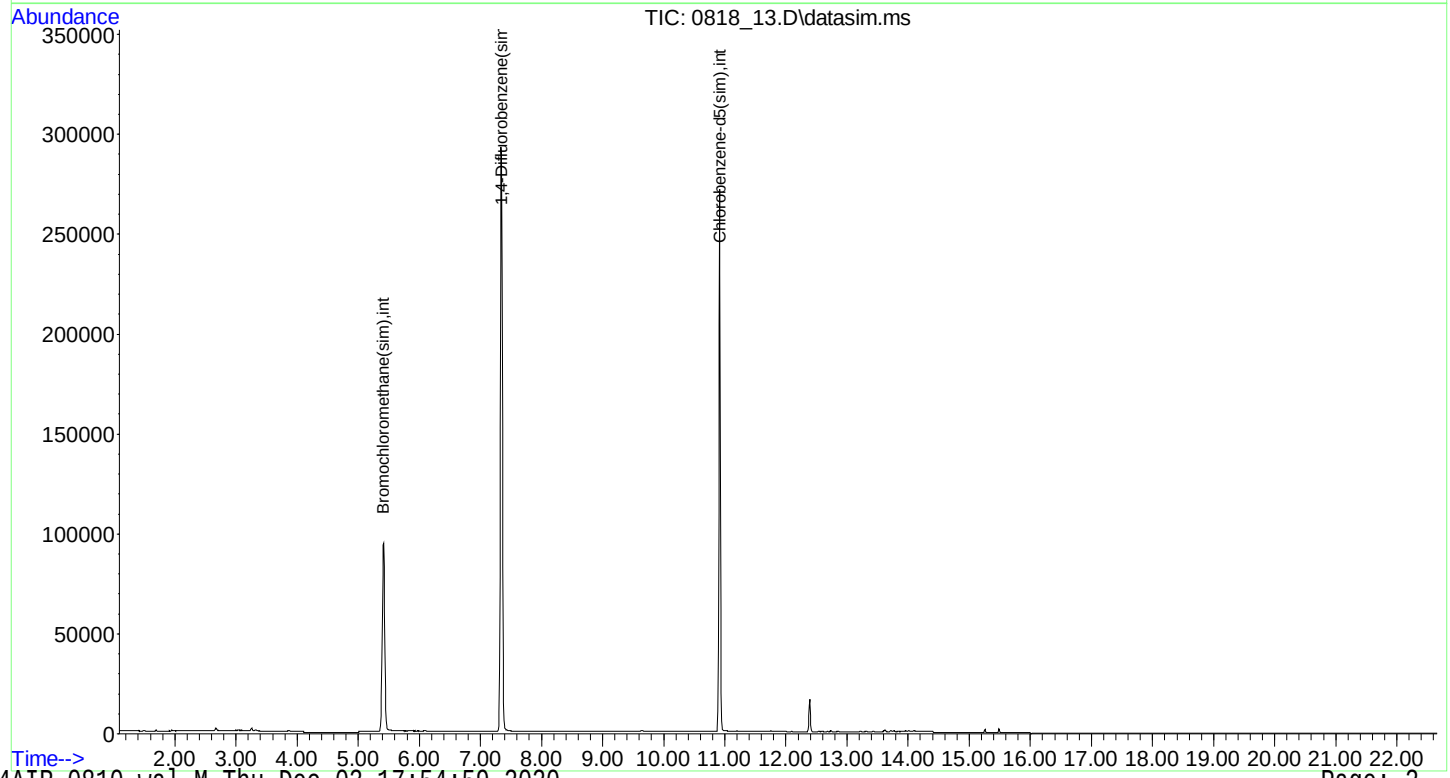
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Bromochloromethane	5.413	130	123894	10.000	ng		0.00
15) 1,4-Difluorobenzene	7.343	114	384632	10.000	ng		0.00
20) Chlorobenzene-d5	10.918	82	165001	10.000	ng		0.00
30) Bromochloromethane(sim)	5.416	130	134520	10.000	ng	#	0.00
41) 1,4-Difluorobenzene(sim)	7.343	114	384632	10.000	ng		0.00
47) Chlorobenzene-d5(sim)	10.918	82	165001	10.000	ng		0.00
System Monitoring Compounds							
25) % Bromofluorobenzene	12.392	95	257265	10.142	ppbv		0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 101.40%				
Target Compounds							Qvalue

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

Data Path : H:\AIR2020\CHEM24\08AUG\18\
Data File : 0818_13.D
Acq On : 18 Aug 2020 10:40 pm
Operator : Keith
Client ID : CG56077 BLANK
Lab ID : CG56077 BLANK
ALS Vial : 138 Sample Multiplier: 1

Quant Time: Dec 03 14:29:25 2020
Quant Method : H:\AIR2020\CHEM24\METHODS\24AIR_0810_wal.M
Quant Title : VOA Standards for 5 point calibration
QLast Update : Thu Dec 03 14:24:50 2020
Response via : Initial Calibration





1

AIR ANALYSIS DATA SHEET

CLIENT ID: IA-02 (MANUF. E) DUP

Client: WALDENE-IPARK Lab: Phoenix Env. Labs

SDG No.: GCG56071 Lab Sample ID: CG56077 DUP

Canister: 28623 Lab File ID: 0818_21.D

Instrument: CHEM24 Column: RTX-VMS Date Received: 08/18/20

Purge Volume 200 (cc) Date Analyzed: 08/19/20

Matrix: AIR Dilution Factor: 1

CONCENTRATION UNITS: (ppbv or ug/m3) ppbv

CAS NO.	COMPOUND	CONC.	Q	MDL	PQL	R
75-71-8	Dichlorodifluoromethane	0.805		0.200	0.200	r
67-64-1	Acetone	6.28	S	1.00	1.00	r
75-69-4	Trichlorofluoromethane	6.25		0.150	0.150	r
75-09-2	Methylene Chloride	0.400	U	0.400	0.400	r
71-43-2	Benzene	0.077		0.050	0.050	r
108-88-3	Toluene	0.200	U	0.200	0.200	r
108-90-7	Chlorobenzene	0.200	U	0.200	0.200	r
100-41-4	Ethylbenzene	0.150	U	0.150	0.150	r
95-47-6	o-Xylene	0.150	U	0.150	0.150	r
120-82-1	1,2,4-Trichlorobenzene	0.250	U	0.250	0.250	r
75-01-4	Vinyl Chloride(sim)	0.020	U	0.020	0.020	r
56-23-5	Carbon Tetrachloride(sim)	0.082		0.020	0.020	r
75-35-4	1,1-Dichloroethene(sim)	0.050	U	0.050	0.050	r
156-59-2	Cis-1,2-Dichloroethene(sim)	0.050	U	0.050	0.050	r
79-01-6	Trichloroethene(sim)	0.037	U	0.037	0.037	r
127-18-4	Tetrachloroethene(sim)	0.100	U	0.100	0.100	r
179601-23-1	m,p-Xylene(sim)	0.150	U	0.150	0.150	r
106-46-7	1,4-Dichlorobenzene(sim)	0.150	U	0.150	0.150	r

FORM I AIR

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

Quantitation Report (QT Reviewed)

Data Path : H:\AIR2020\CHEM24\08AUG\18\
Data File : 0818_21.D
Acq On : 19 Aug 2020 4:06 am
Operator : Keith
Sample : 56077 346cc dup
Misc :
ALS Vial : 146 Sample Multiplier: 1

Quant Time: Dec 03 14:30:50 2020
Quant Method : H:\AIR2020\CHEM24\METHODS\24AIR_0810_wal.M
Quant Title : VOA Standards for 5 point calibration
QLast Update : Thu Dec 03 14:24:50 2020
Response via : Initial Calibration

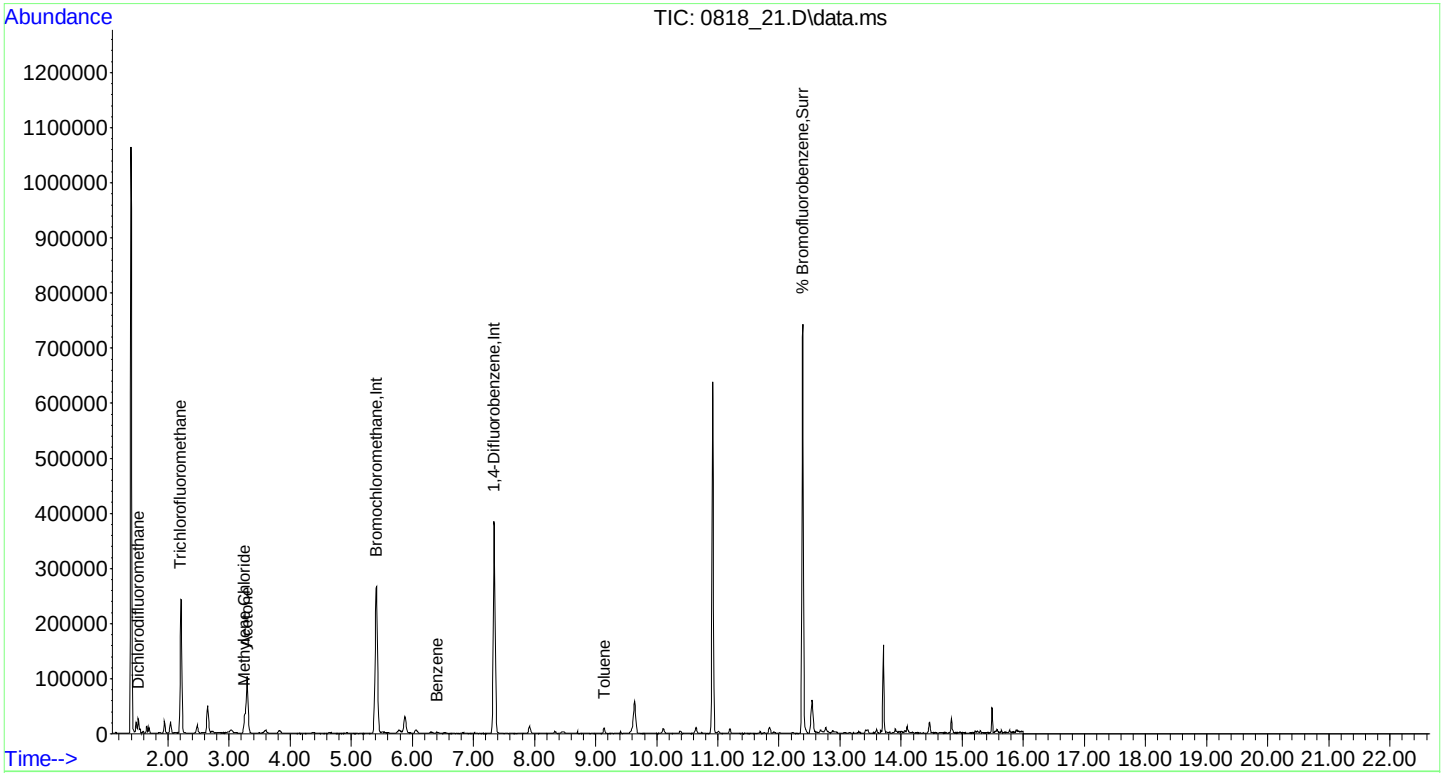
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Bromochloromethane	5.413	130	112199	10.000	ng		0.00
15) 1,4-Difluorobenzene	7.336	114	349635	10.000	ng		0.00
20) Chlorobenzene-d5	10.918	82	154536	10.000	ng		0.00
30) Bromochloromethane(sim)	5.416	130	124255	10.000	ng	#	0.00
41) 1,4-Difluorobenzene(sim)	7.336	114	349635	10.000	ng		0.00
47) Chlorobenzene-d5(sim)	10.918	82	154536	10.000	ng		0.00
System Monitoring Compounds							
25) % Bromofluorobenzene	12.392	95	237238	9.986	ppbv		0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	99.90%			
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.512	85	14683	0.805	ppbv		98
4) Acetone	3.299	43	158372	6.283	ppbv#		92
5) Trichlorofluoromethane	2.211	101	170036	6.250	ppbv		98
7) Methylene Chloride	3.251	49	7758	0.385	ppbv		96
13) Benzene	6.412	78	1885	0.077	ppbv#		90
18) Toluene	9.141	91	6353	0.194	ppbv#		87
32] Trichlorofluoromethane...	2.214	101	183352	5.848	ppbv		98
34] Carbon Tetrachloride(sim)	5.769	117	2430	0.082	ppbv		97
48] m,p-Xylene(sim)	11.195	91	4980	0.127	ppbv		97

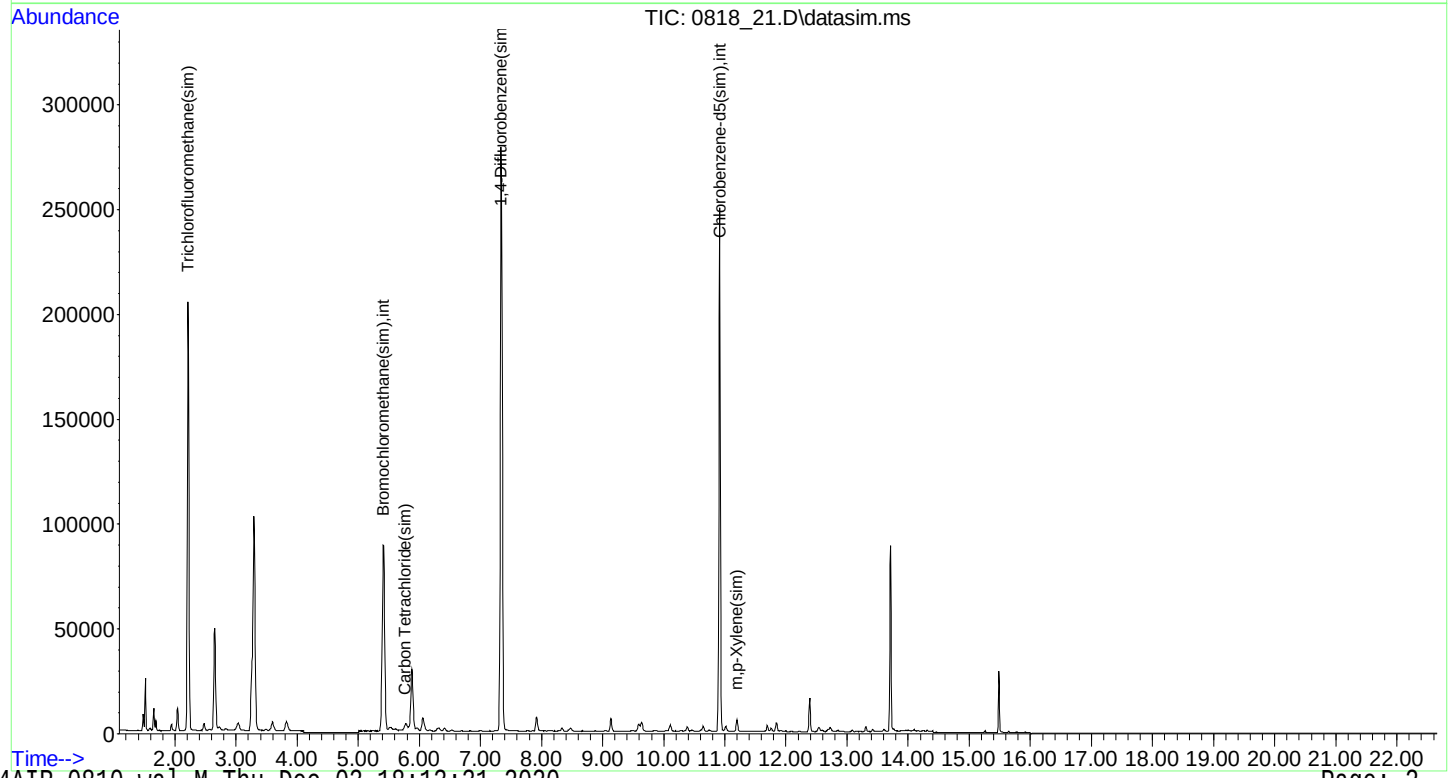
(#)out of range (m)manual integration reviewed by analyst (+)signals summed

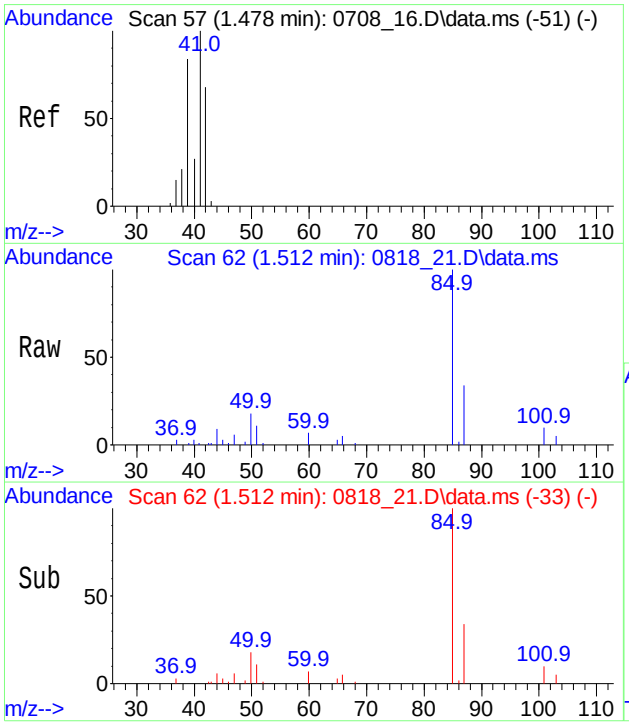
Quantitation Report (QT Reviewed)

Data Path : H:\AIR2020\CHEM24\08AUG\18\
Data File : 0818_21.D
Acq On : 19 Aug 2020 4:06 am
Operator : Keith
Sample : 56077 346cc dup
Misc :
ALS Vial : 146 Sample Multiplier: 1

Quant Time: Dec 03 14:30:50 2020
Quant Method : H:\AIR2020\CHEM24\METHODS\24AIR_0810_wal.M
Quant Title : VOA Standards for 5 point calibration
QLast Update : Thu Dec 03 14:24:50 2020
Response via : Initial Calibration



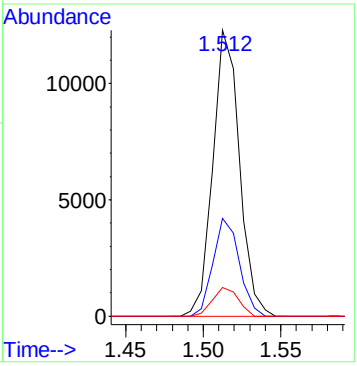


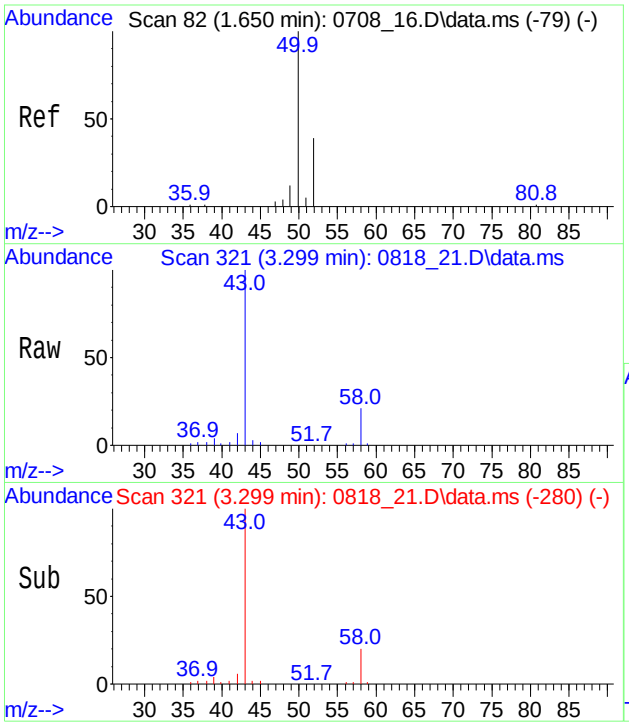


#2
Dichlorodifluoromethane
Conc: 8$ 0.805 ppbv
RT: 1.512 min Scan# 62
Delta R.T. 0.000 min
Lab File: 0818_21.D
Acq: 19 Aug 2020 4:06 am

Tgt Ion: 85 Resp: 14683

Ion	Ratio	Lower	Upper
85	100		
87	33.7	25.8	38.8
101	9.8	8.5	12.7

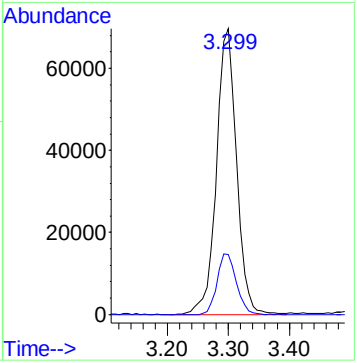


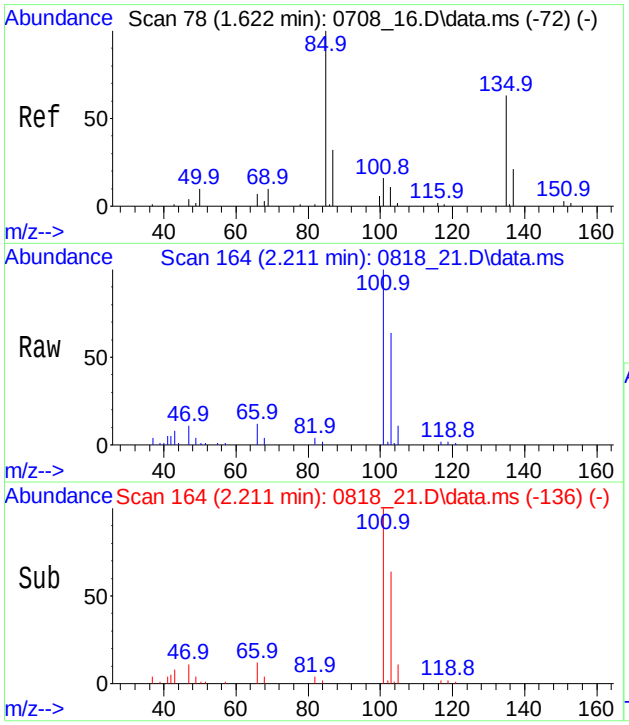


#4
Acetone
Conc: 8$ 6.283 ppbv
RT: 3.299 min Scan# 321
Delta R.T. -0.020 min
Lab File: 0818_21.D
Acq: 19 Aug 2020 4:06 am

Tgt Ion: 43 Resp: 158372

Ion	Ratio	Lower	Upper
43	100		
58	20.2	13.4	20.2#

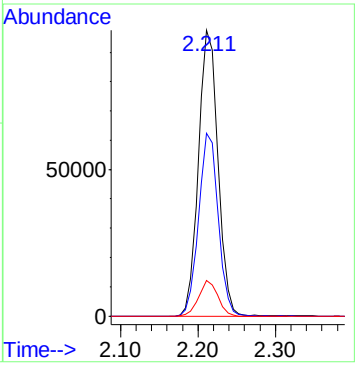


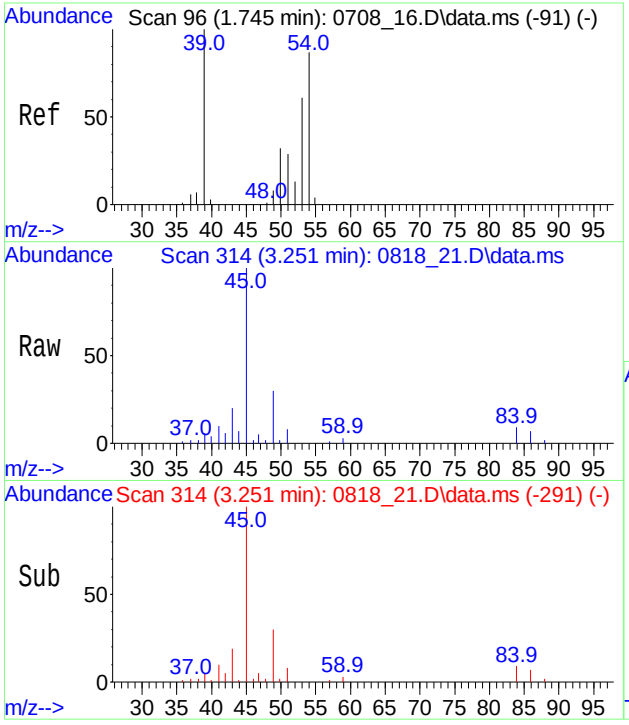


#5
Trichlorofluoromethane
Conc: 8$ 6.250 ppbv
RT: 2.211 min Scan# 164
Delta R.T. -0.007 min
Lab File: 0818_21.D
Acq: 19 Aug 2020 4:06 am

Tgt Ion:101 Resp: 170036

Ion	Ratio	Lower	Upper
101	100		
103	64.1	52.4	78.6
66	12.1	9.2	13.8

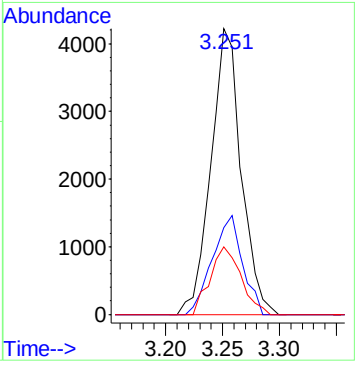


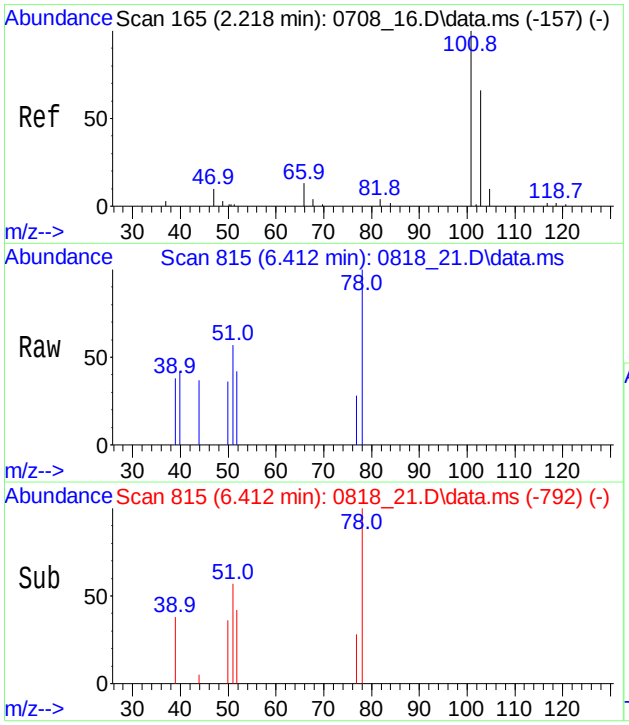


#7
Methylene Chloride
Conc: 8$ 0.385 ppbv
RT: 3.251 min Scan# 314
Delta R.T. 0.007 min
Lab File: 0818_21.D
Acq: 19 Aug 2020 4:06 am

Tgt Ion: 49 Resp: 7758

Ion	Ratio	Lower	Upper
49	100		
84	34.6	30.6	46.0
86	24.2	19.8	29.6

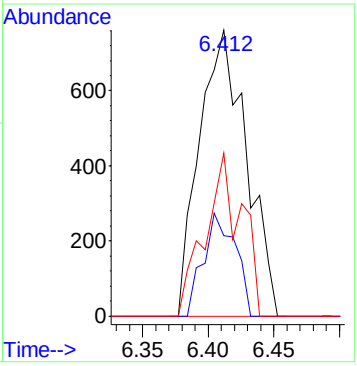


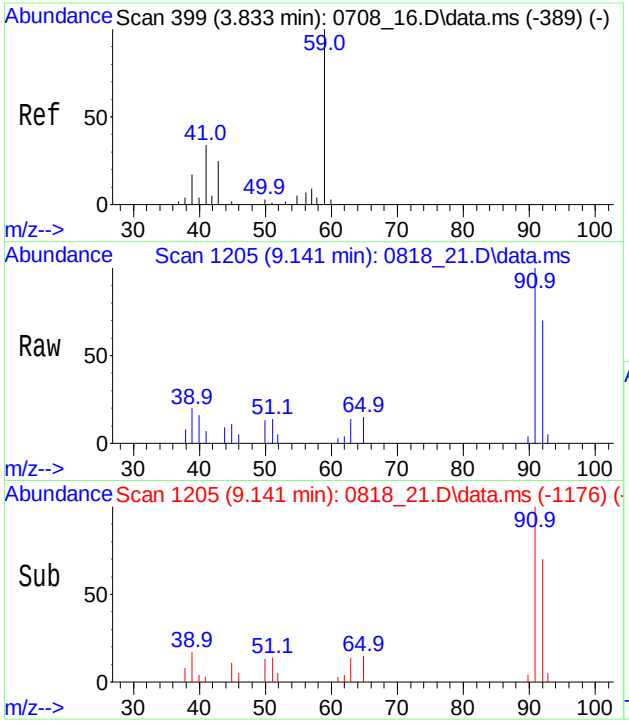


#13
Benzene
Conc: 8$ 0.077 ppbv
RT: 6.412 min Scan# 815
Delta R.T. 0.007 min
Lab File: 0818_21.D
Acq: 19 Aug 2020 4:06 am

Tgt Ion: 78 Resp: 1885

Ion	Ratio	Lower	Upper
78	100		
77	24.3	12.2	18.4#
51	43.7	31.9	47.9

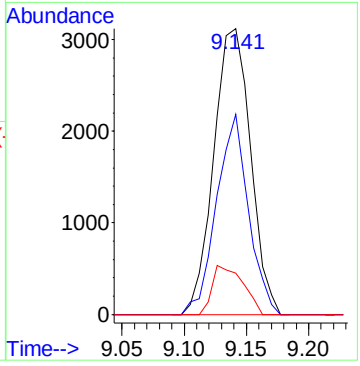


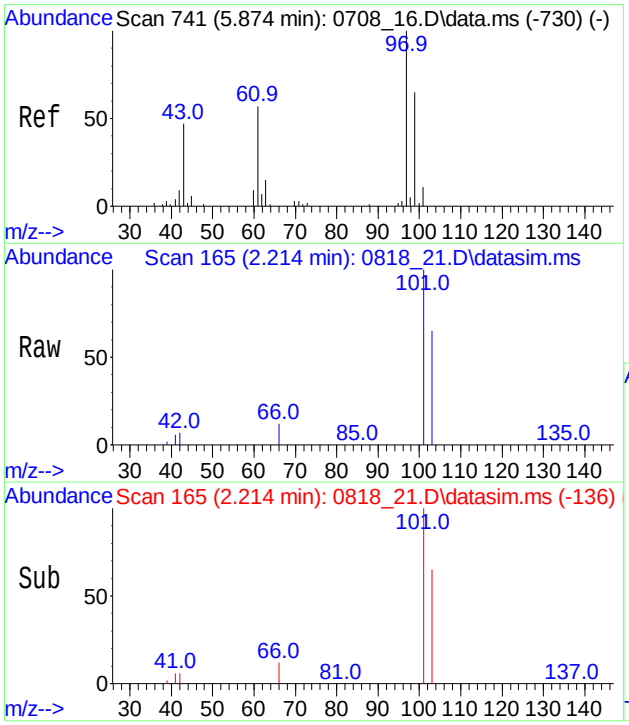


#18
Toluene
Conc: 8$ 0.194 ppbv
RT: 9.141 min Scan# 1205
Delta R.T. 0.007 min
Lab File: 0818_21.D
Acq: 19 Aug 2020 4:06 am

Tgt Ion: 91 Resp: 6353

Ion	Ratio	Lower	Upper
91	100		
92	60.5	39.4	59.0#
65	14.3	10.9	16.3

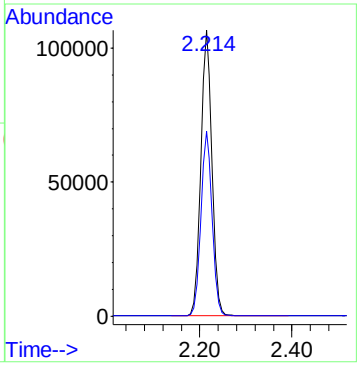


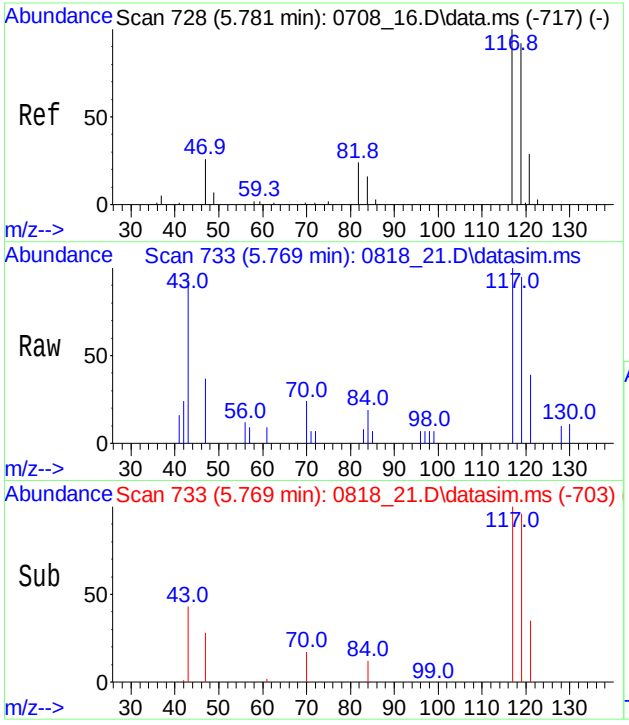


#32
Trichlorofluoromethane(sim)
Conc: 8$ 5.848 ppbv
RT: 2.214 min Scan# 165
Delta R.T. 0.000 min
Lab File: 0818_21.D
Acq: 19 Aug 2020 4:06 am

Tgt Ion:101 Resp: 183352

Ion	Ratio	Lower	Upper
101	100		
103	64.9	53.2	79.8

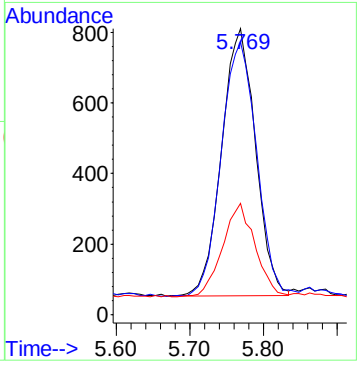


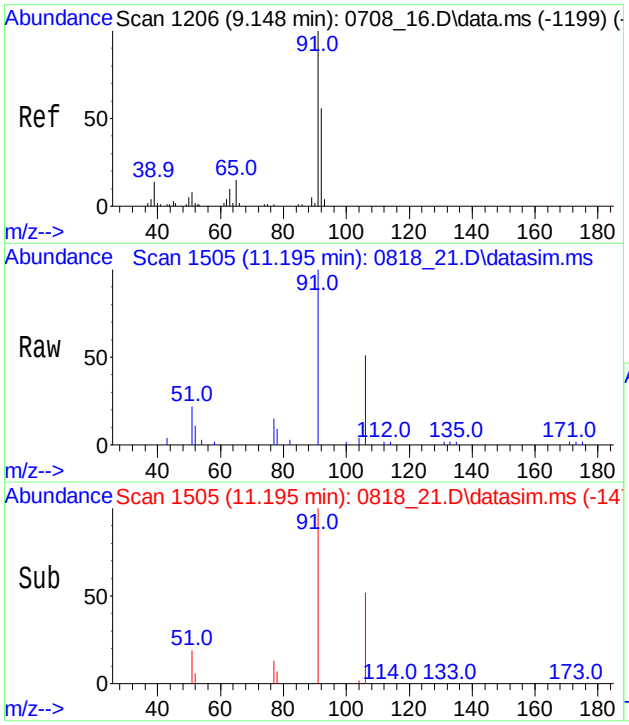


#34
Carbon Tetrachloride(sim)
Conc: 8$ 0.082 ppbv
RT: 5.769 min Scan# 733
Delta R.T. 0.014 min
Lab File: 0818_21.D
Acq: 19 Aug 2020 4:06 am

Tgt Ion:117 Resp: 2430

Ion	Ratio	Lower	Upper
117	100		
119	99.6	78.0	117.0
121	33.4	24.9	37.3

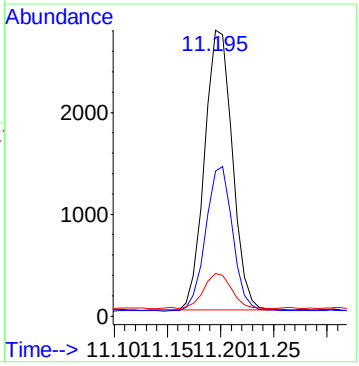




#48
m,p-Xylene(sim)
Conc: 8$ 0.127 ppbv
RT: 11.195 min Scan# 1505
Delta R.T. 0.000 min
Lab File: 0818_21.D
Acq: 19 Aug 2020 4:06 am

Tgt Ion: 91 Resp: 4980

Ion	Ratio	Lower	Upper
91	100		
106	50.2	47.3	57.8
77	12.6	10.8	16.2



1

AIR ANALYSIS DATA SHEET

CLIENT ID: CANISTER BLK 215

Client: WALDENE-IPARK Lab: Phoenix Env. Labs

SDG No.: GCG56071 Lab Sample ID: CANISTER BLK 215

Canister: CANBL Lab File ID: 0729_21.D

Instrument: CHEM20 Column: Date Received:

Purge Volume 200 (cc) Date Analyzed: 07/30/20

Matrix: AIR Dilution Factor: 1

CONCENTRATION UNITS: (ppbv or ug/m3) ppbv

CAS NO.	COMPOUND	CONC.	Q	MDL	PQL	R
75-71-8	Dichlorodifluoromethane	0.200	U	0.200	0.200	r
67-64-1	Acetone	1.00	U	1.00	1.00	r
75-09-2	Methylene Chloride	0.400	U	0.400	0.400	r
71-43-2	Benzene	0.050	U	0.050	0.050	r
108-88-3	Toluene	0.200	U	0.200	0.200	r
108-90-7	Chlorobenzene	0.200	U	0.200	0.200	r
100-41-4	Ethylbenzene	0.150	U	0.150	0.150	r
95-47-6	o-Xylene	0.150	U	0.150	0.150	r
75-01-4	Vinyl Chloride(sim)	0.020	U	0.020	0.020	r
56-23-5	Carbon Tetrachloride(sim)	0.020	U	0.020	0.020	r
75-35-4	1,1-Dichloroethene(sim)	0.050	U	0.050	0.050	r
156-59-2	Cis-1,2-Dichloroethene(sim)	0.050	U	0.050	0.050	r
79-01-6	Trichloroethene(sim)	0.037	U	0.037	0.037	r
127-18-4	Tetrachloroethene(sim)	0.100	U	0.100	0.100	r
179601-23-1	m,p-Xylene(sim)	0.150	U	0.150	0.150	r
106-46-7	1,4-Dichlorobenzene(sim)	0.150	U	0.150	0.150	r
120-82-1	1,2,4-Trichlorobenzene(sim)	0.250	U	0.250	0.250	r

FORM I AIR

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

Quantitation Report (QT Reviewed)

Data Path : H:\AIR2020\CHEM20\07JUL\29\
Data File : 0729_21.D
Acq On : 30 Jul 2020 2:10 pm
Operator :
Client ID : CANISTER BLK 215
Lab ID : CANISTER BLK 215
ALS Vial : 21 Sample Multiplier: 1

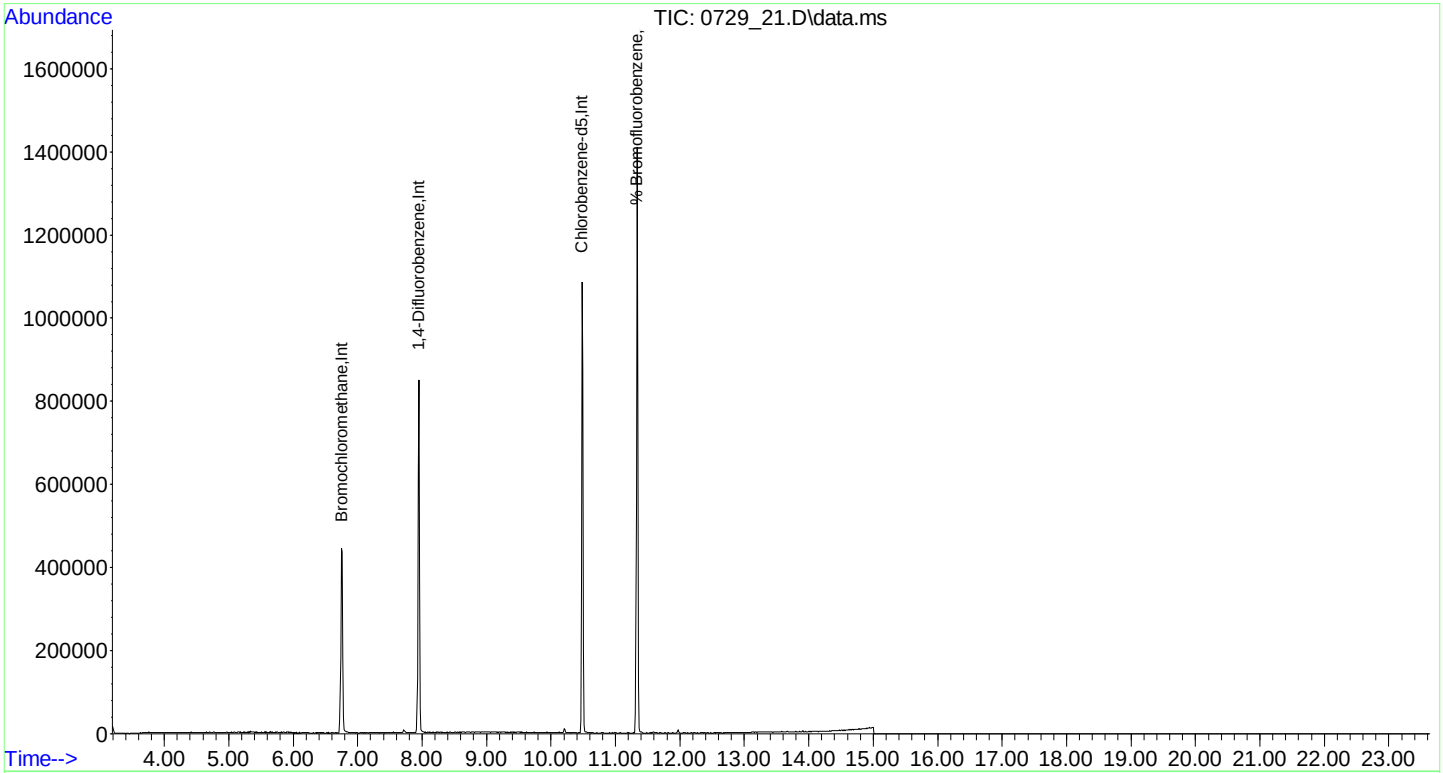
Quant Time: Jul 31 10:04:04 2020
Quant Method : H:\AIR2020\CHEM20\METHODS\20_AIR_0729.M
Quant Title : VOA Standards for 5 point calibration
QLast Update : Thu Jul 30 09:03:16 2020
Response via : Initial Calibration

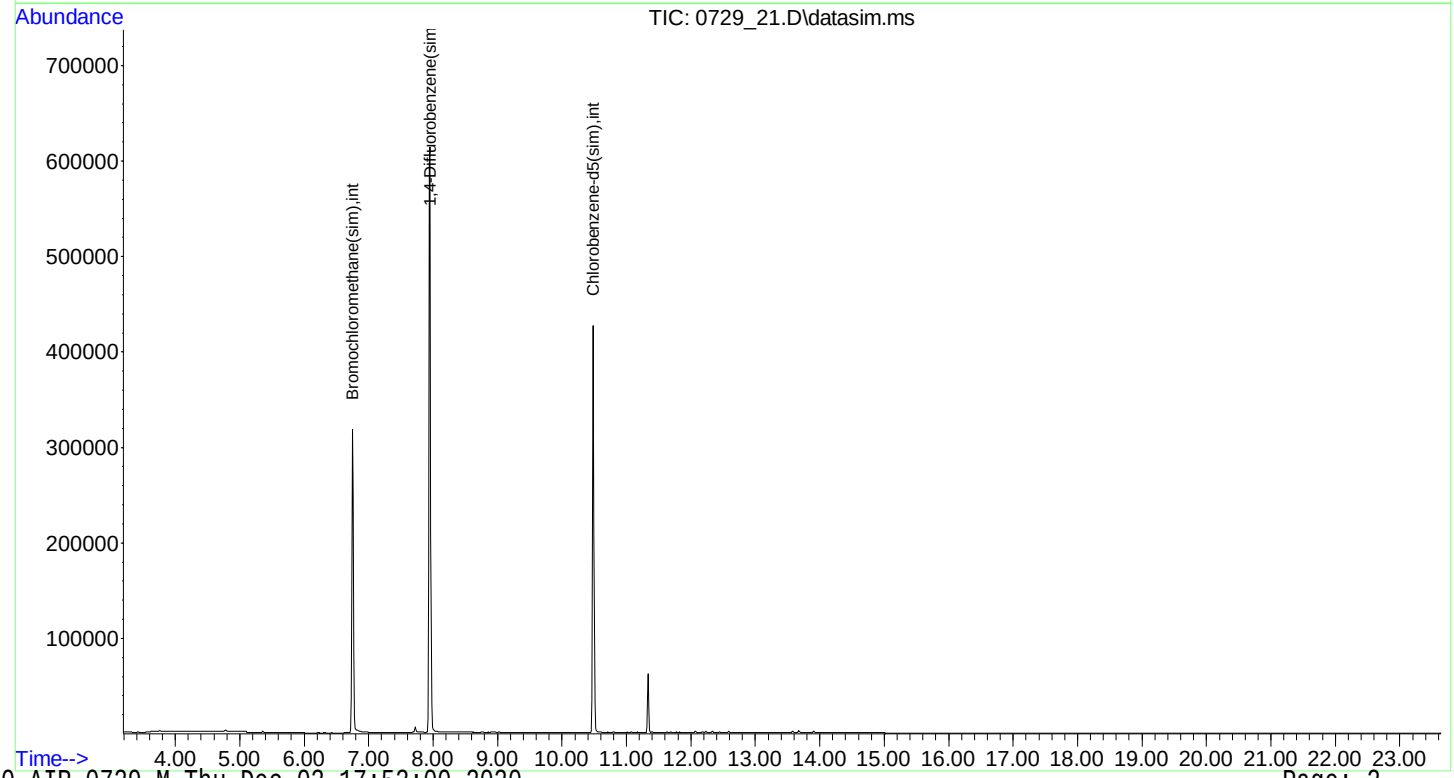
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Bromochloromethane	6.755	130	175681	10.000	ng		0.01
36) 1,4-Difluorobenzene	7.949	114	642673	10.000	ng		0.00
53) Chlorobenzene-d5	10.482	82	282043	10.000	ng		0.00
80) Bromochloromethane(sim)	6.750	130	184664	10.000	ng	#	0.00
94) 1,4-Difluorobenzene(sim)	7.955	114	711533	10.000	ng		0.00
104) Chlorobenzene-d5(sim)	10.487	82	302242	10.000	ng		0.00
System Monitoring Compounds							
62) % Bromofluorobenzene	11.332	95	360141	9.923	ppbv		0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 99.20%				
Target Compounds							Qvalue

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

Data Path : H:\AIR2020\CHEM20\07JUL\29\
Data File : 0729_21.D
Acq On : 30 Jul 2020 2:10 pm
Operator :
Client ID : CANISTER BLK 215
Lab ID : CANISTER BLK 215
ALS Vial : 21 Sample Multiplier: 1

Quant Time: Jul 31 10:04:04 2020
Quant Method : H:\AIR2020\CHEM20\METHODS\20_AIR_0729.M
Quant Title : VOA Standards for 5 point calibration
QLast Update : Thu Jul 30 09:03:16 2020
Response via : Initial Calibration





1

AIR ANALYSIS DATA SHEET

CLIENT ID: CANISTER BLK 471

Client: WALDENE-IPARK Lab: Phoenix Env. Labs

SDG No.: GCG56071 Lab Sample ID: CANISTER BLK 471

Canister: CANBL Lab File ID: 0624_21.D

Instrument: CHEM20 Column: Date Received:

Purge Volume 200 (cc) Date Analyzed: 06/25/20

Matrix: AIR Dilution Factor: 1

CONCENTRATION UNITS: (ppbv or ug/m3) ppbv

CAS NO.	COMPOUND	CONC.	Q	MDL	PQL	R
75-71-8	Dichlorodifluoromethane	0.200	U	0.200	0.200	r
67-64-1	Acetone	1.00	U	1.00	1.00	r
75-09-2	Methylene Chloride	0.400	U	0.400	0.400	r
71-43-2	Benzene	0.050	U	0.050	0.050	r
108-88-3	Toluene	0.200	U	0.200	0.200	r
108-90-7	Chlorobenzene	0.200	U	0.200	0.200	r
100-41-4	Ethylbenzene	0.150	U	0.150	0.150	r
95-47-6	o-Xylene	0.150	U	0.150	0.150	r
75-01-4	Vinyl Chloride(sim)	0.020	U	0.020	0.020	r
56-23-5	Carbon Tetrachloride(sim)	0.020	U	0.020	0.020	r
75-35-4	1,1-Dichloroethene(sim)	0.050	U	0.050	0.050	r
156-59-2	Cis-1,2-Dichloroethene(sim)	0.050	U	0.050	0.050	r
79-01-6	Trichloroethene(sim)	0.037	U	0.037	0.037	r
127-18-4	Tetrachloroethene(sim)	0.100	U	0.100	0.100	r
179601-23-1	m,p-Xylene(sim)	0.150	U	0.150	0.150	r
106-46-7	1,4-Dichlorobenzene(sim)	0.150	U	0.150	0.150	r
120-82-1	1,2,4-Trichlorobenzene(sim)	0.250	U	0.250	0.250	r

FORM I AIR

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

Quantitation Report (QT Reviewed)

Data Path : H:\AIR2020\CHEM20\06JUN\24\
Data File : 0624_21.D
Acq On : 25 Jun 2020 12:33 am
Operator :
Client ID : CANISTER BLK 471
Lab ID : CANISTER BLK 471
ALS Vial : 48 Sample Multiplier: 1

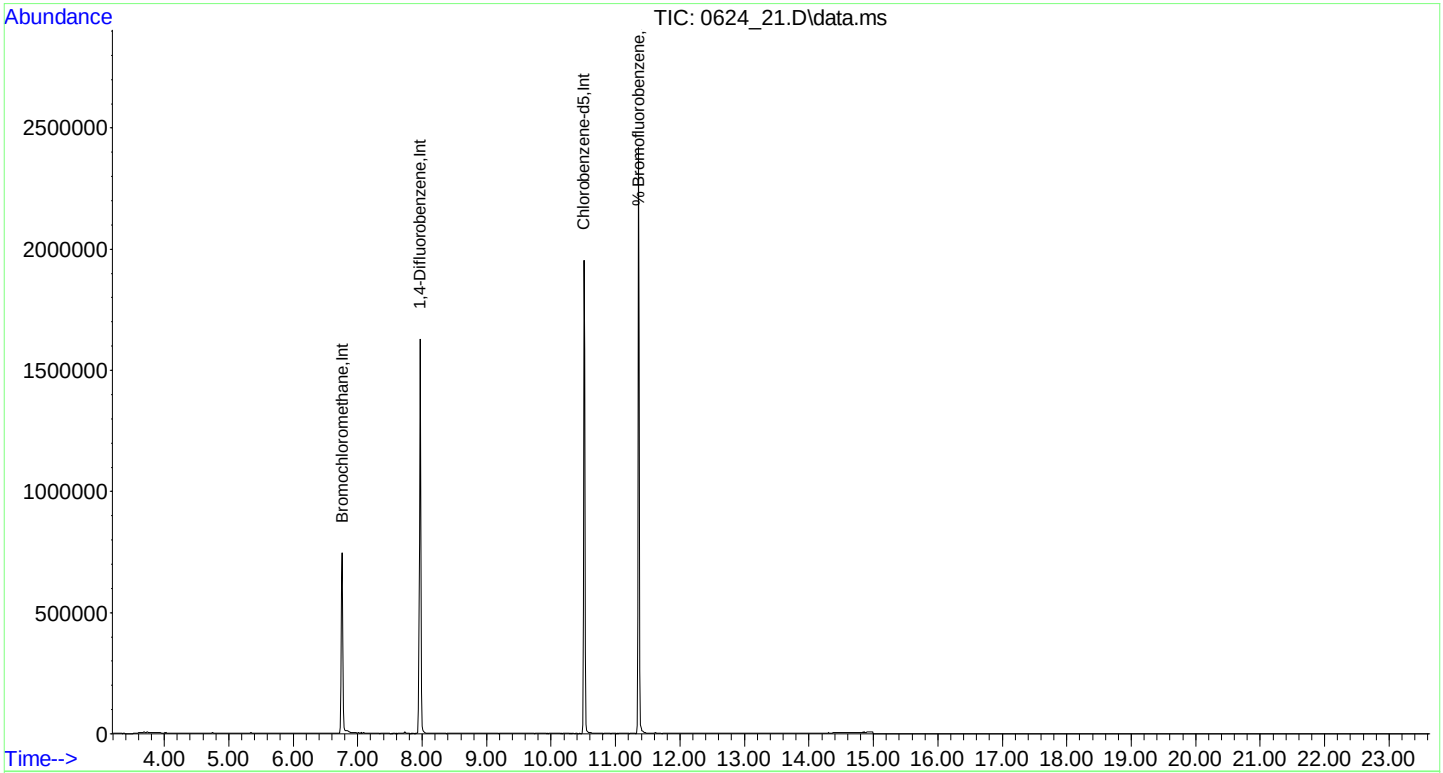
Quant Time: Jun 25 08:17:53 2020
Quant Method : H:\AIR2020\CHEM20\METHODS\20_AIR_0615.M
Quant Title : VOA Standards for 5 point calibration
QLast Update : Mon Jun 15 14:41:22 2020
Response via : Initial Calibration

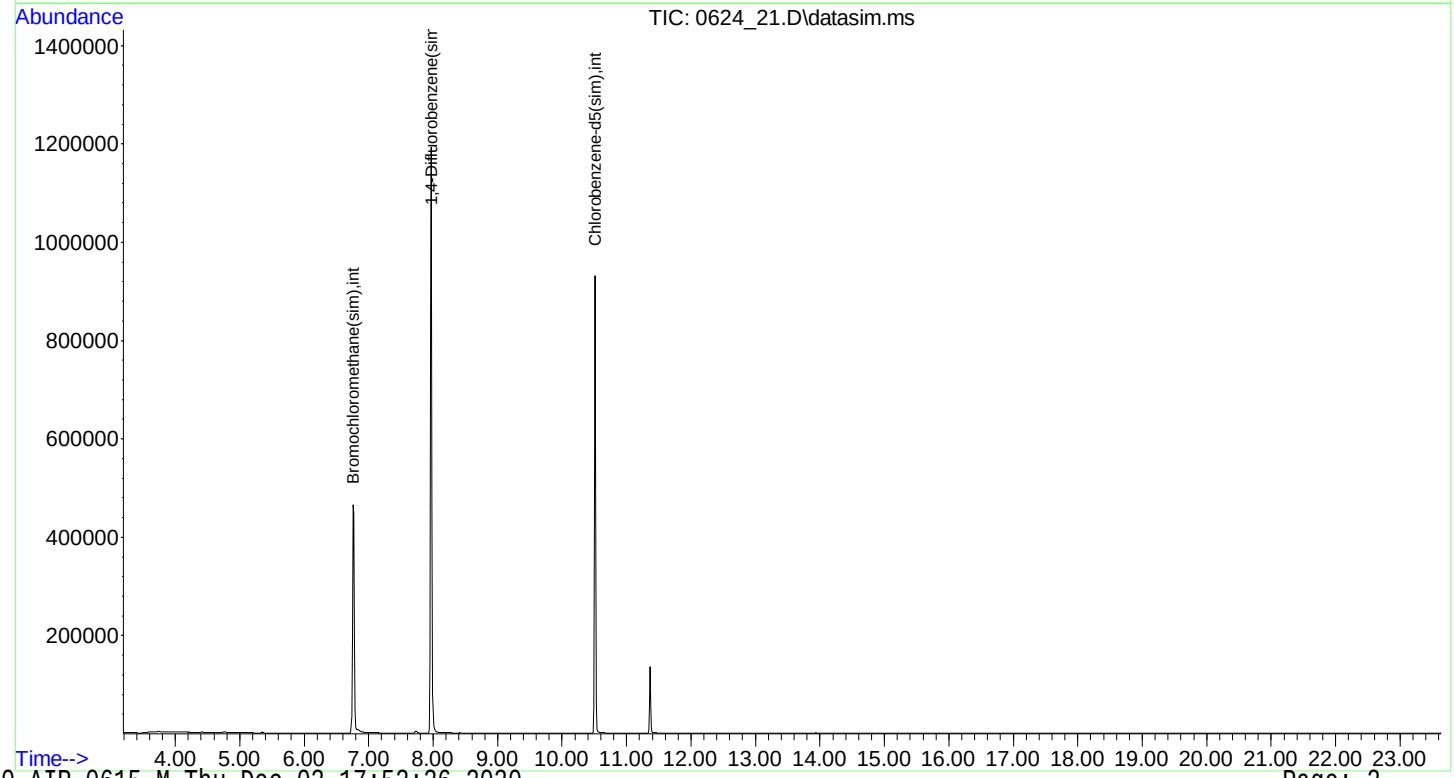
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Bromochloromethane	6.759	130	226288	10.000	ng		0.00
36) 1,4-Difluorobenzene	7.965	114	869987	10.000	ng		0.00
53) Chlorobenzene-d5	10.508	82	490865	10.000	ng		-0.01
80) Bromochloromethane(sim)	6.765	130	250164	10.000	ng	#	0.00
94) 1,4-Difluorobenzene(sim)	7.971	114	1032354	10.000	ng		0.00
104) Chlorobenzene-d5(sim)	10.513	82	543597	10.000	ng		0.00
System Monitoring Compounds							
62) % Bromofluorobenzene	11.359	95	625293	9.451	ppbv		0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 94.50%				
Target Compounds							Qvalue

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

Data Path : H:\AIR2020\CHEM20\06JUN\24\
Data File : 0624_21.D
Acq On : 25 Jun 2020 12:33 am
Operator :
Client ID : CANISTER BLK 471
Lab ID : CANISTER BLK 471
ALS Vial : 48 Sample Multiplier: 1

Quant Time: Jun 25 08:17:53 2020
Quant Method : H:\AIR2020\CHEM20\METHODS\20_AIR_0615.M
Quant Title : VOA Standards for 5 point calibration
QLast Update : Mon Jun 15 14:41:22 2020
Response via : Initial Calibration





1

AIR ANALYSIS DATA SHEET

CLIENT ID

CANISTER BLK 6L ind #28581

Client: WALDENE-IPARK Lab: Phoenix Env. Labs

SDG No.: GCG56071 Lab Sample ID: CANISTER BLK 6L ind #2858:

Canister: 28581 Lab File ID: 0510_25.D

Instrument: CHEM20 Column: Date Received:

Purge Volume 200 (cc) Date Analyzed: 05/11/20

Matrix: AIR Dilution Factor: 1

CONCENTRATION UNITS: (ppbv or ug/m3) ppbv

CAS NO.	COMPOUND	CONC.	Q	MDL	PQL	R
75-71-8	Dichlorodifluoromethane	0.200	U	0.200	0.200	r
67-64-1	Acetone	1.00	U	1.00	1.00	r
75-09-2	Methylene Chloride	0.400	U	0.400	0.400	r
71-43-2	Benzene	0.050	U	0.050	0.050	r
108-88-3	Toluene	0.200	U	0.200	0.200	r
108-90-7	Chlorobenzene	0.200	U	0.200	0.200	r
100-41-4	Ethylbenzene	0.150	U	0.150	0.150	r
95-47-6	o-Xylene	0.150	U	0.150	0.150	r
75-01-4	Vinyl Chloride(sim)	0.020	U	0.020	0.020	r
56-23-5	Carbon Tetrachloride(sim)	0.020	U	0.020	0.020	r
75-35-4	1,1-Dichloroethene(sim)	0.050	U	0.050	0.050	r
156-59-2	Cis-1,2-Dichloroethene(sim)	0.050	U	0.050	0.050	r
79-01-6	Trichloroethene(sim)	0.037	U	0.037	0.037	r
127-18-4	Tetrachloroethene(sim)	0.100	U	0.100	0.100	r
179601-23-1	m,p-Xylene(sim)	0.150	U	0.150	0.150	r
106-46-7	1,4-Dichlorobenzene(sim)	0.150	U	0.150	0.150	r
120-82-1	1,2,4-Trichlorobenzene(sim)	0.250	U	0.250	0.250	r

FORM I AIR

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

Quantitation Report (QT Reviewed)

Data Path : H:\AIR2020\CHEM20\05MAY\10\
Data File : 0510_25.D
Acq On : 11 May 2020 11:20 am
Operator :
Client ID : CANISTER BLK 6L ind #28581
Lab ID : CANISTER BLK 6L ind #28581
ALS Vial : 26 Sample Multiplier: 1

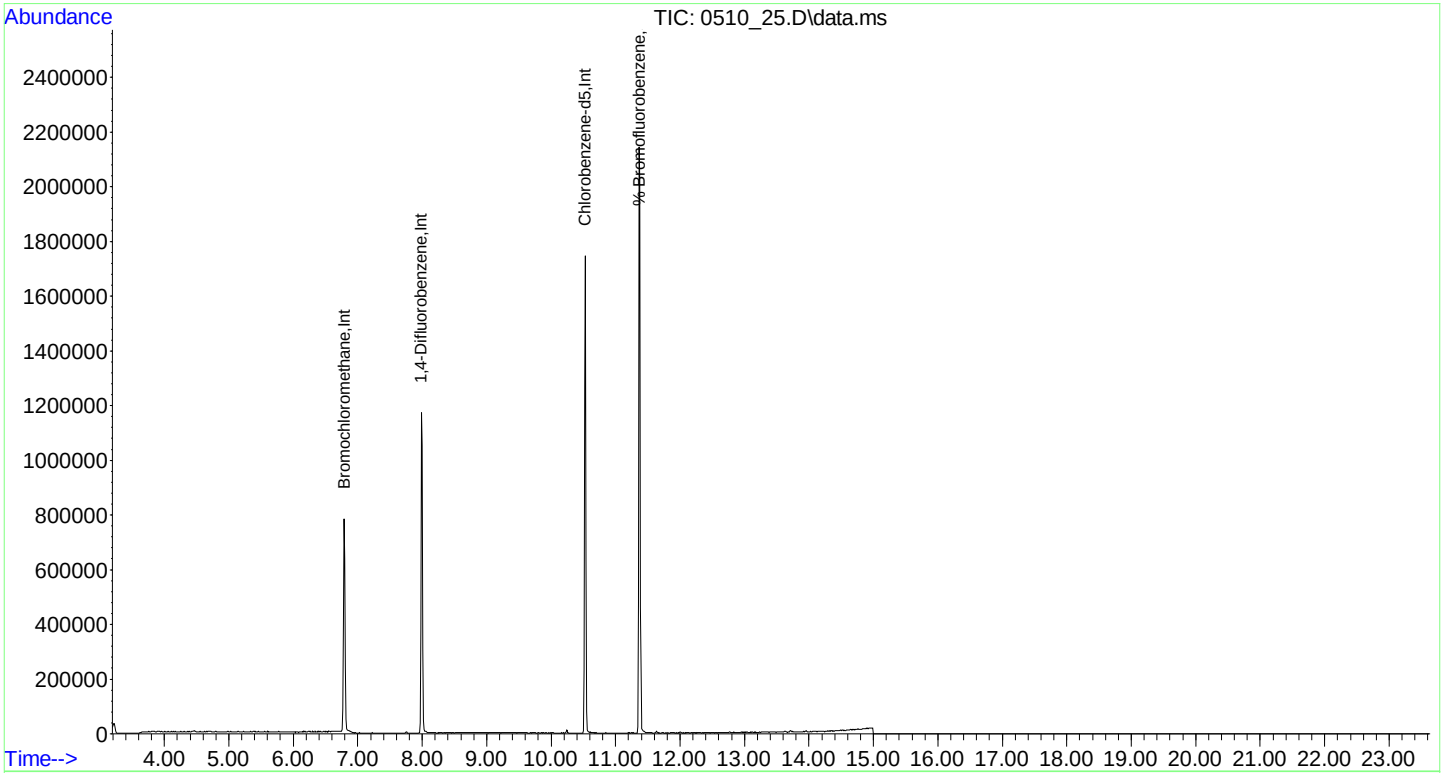
Quant Time: May 11 11:52:17 2020
Quant Method : H:\AIR2020\CHEM20\METHODS\20_AIR_0510.M
Quant Title : VOA Standards for 5 point calibration
QLast Update : Mon May 11 08:38:18 2020
Response via : Initial Calibration

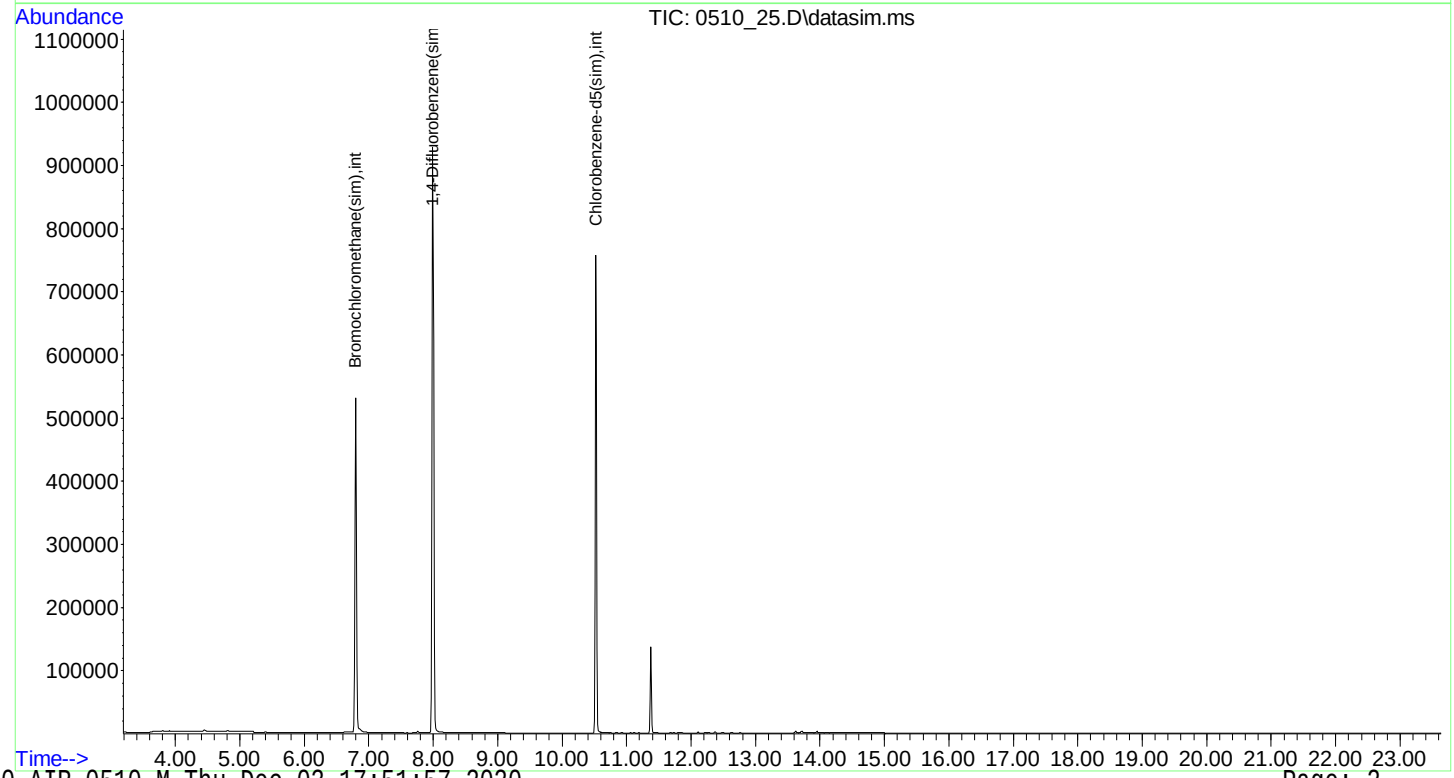
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Bromochloromethane	6.790	130	209669	10.000	ng		0.00
36) 1,4-Difluorobenzene	7.987	114	703602	10.000	ng		0.00
53) Chlorobenzene-d5	10.528	82	393094	10.000	ng		0.00
80) Bromochloromethane(sim)	6.796	130	251358	10.000	ng	#	0.00
94) 1,4-Difluorobenzene(sim)	7.993	114	793701	10.000	ng		0.00
104) Chlorobenzene-d5(sim)	10.524	82	429018	10.000	ng		0.00
System Monitoring Compounds							
62) % Bromofluorobenzene	11.369	95	536756	10.102	ppbv		0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 101.00%				
Target Compounds							Qvalue

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

Data Path : H:\AIR2020\CHEM20\05MAY\10\
Data File : 0510_25.D
Acq On : 11 May 2020 11:20 am
Operator :
Client ID : CANISTER BLK 6L ind #28581
Lab ID : CANISTER BLK 6L ind #28581
ALS Vial : 26 Sample Multiplier: 1

Quant Time: May 11 11:52:17 2020
Quant Method : H:\AIR2020\CHEM20\METHODS\20_AIR_0510.M
Quant Title : VOA Standards for 5 point calibration
QLast Update : Mon May 11 08:38:18 2020
Response via : Initial Calibration





1

CLIENT ID

AIR ANALYSIS DATA SHEET

CANISTER BLK 9767

Client: WALDENE-IPARK Lab: Phoenix Env. Labs

SDG No.: GCG56071 Lab Sample ID: CANISTER BLK 9767

Canister: CANBL Lab File ID: 0618_25.D

Instrument: CHEM24 Column: Date Received:

Purge Volume 200 (cc) Date Analyzed: 06/19/20

Matrix: AIR Dilution Factor: 1

CONCENTRATION UNITS: (ppbv or ug/m3) ppbv

CAS NO.	COMPOUND	CONC.	Q	MDL	PQL	R
75-71-8	Dichlorodifluoromethane	0.200	U	0.200	0.200	r
67-64-1	Acetone	1.00	U	1.00	1.00	r
75-09-2	Methylene Chloride	0.400	U	0.400	0.400	r
71-43-2	Benzene	0.050	U	0.050	0.050	r
108-88-3	Toluene	0.200	U	0.200	0.200	r
108-90-7	Chlorobenzene	0.200	U	0.200	0.200	r
100-41-4	Ethylbenzene	0.150	U	0.150	0.150	r
95-47-6	o-Xylene	0.150	U	0.150	0.150	r
75-01-4	Vinyl Chloride(sim)	0.020	U	0.020	0.020	r
56-23-5	Carbon Tetrachloride(sim)	0.020	U	0.020	0.020	r
75-35-4	1,1-Dichloroethene(sim)	0.050	U	0.050	0.050	r
156-59-2	Cis-1,2-Dichloroethene(sim)	0.050	U	0.050	0.050	r
79-01-6	Trichloroethene(sim)	0.037	U	0.037	0.037	r
127-18-4	Tetrachloroethene(sim)	0.100	U	0.100	0.100	r
179601-23-1	m,p-Xylene(sim)	0.150	U	0.150	0.150	r
106-46-7	1,4-Dichlorobenzene(sim)	0.150	U	0.150	0.150	r
120-82-1	1,2,4-Trichlorobenzene(sim)	0.250	U	0.250	0.250	r

FORM I AIR

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

Quantitation Report (QT Reviewed)

Data Path : H:\AIR2020\CHEM24\06JUN\18\
Data File : 0618_25.D
Acq On : 19 Jun 2020 6:58 pm
Operator : Keith
Client ID : CANISTER BLK 9767
Lab ID : CANISTER BLK 9767
ALS Vial : 155 Sample Multiplier: 1

Quant Time: Jun 22 08:10:32 2020
Quant Method : H:\AIR2020\CHEM24\METHODS\24AIR_0612.M
Quant Title : VOA Standards for 5 point calibration
QLast Update : Fri Jun 12 15:18:10 2020
Response via : Initial Calibration

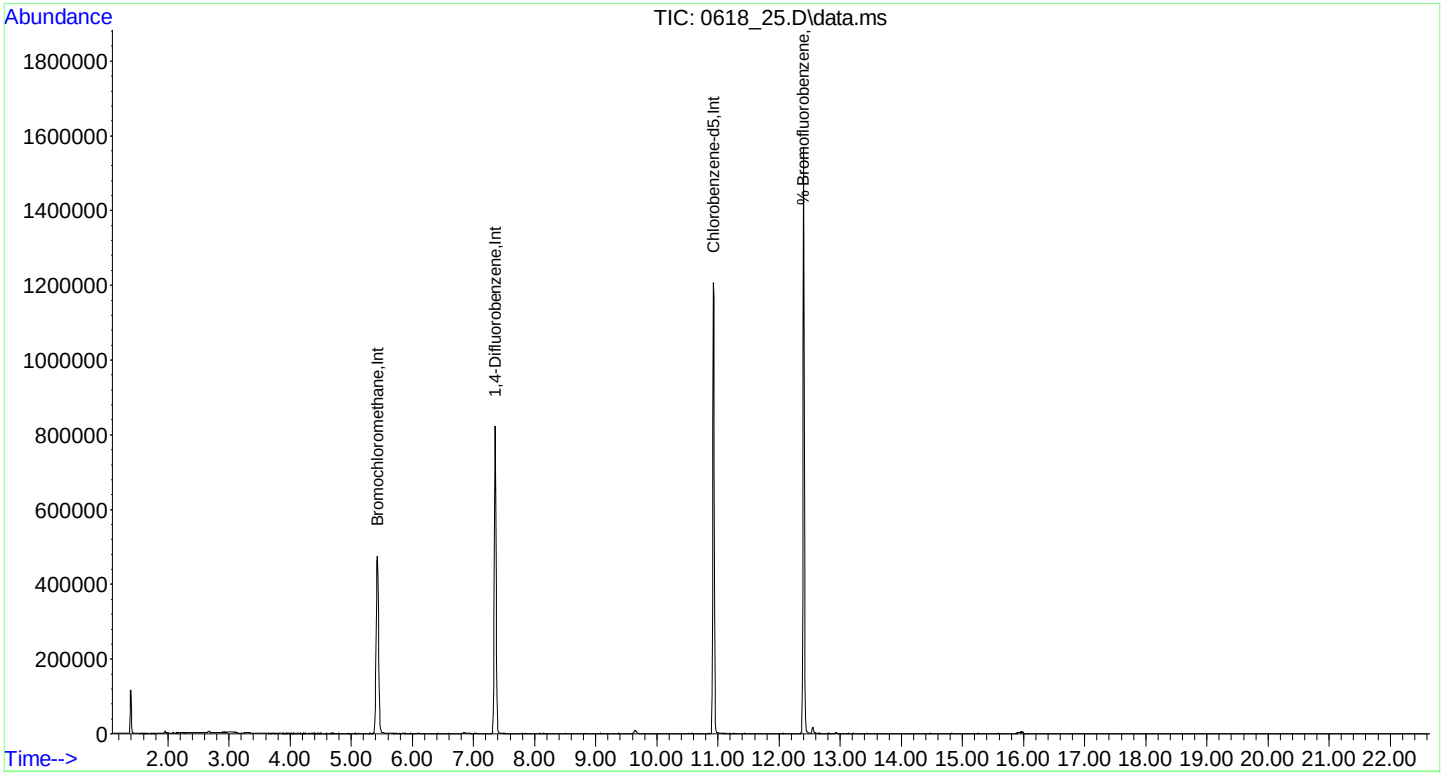
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	5.427	130	194196	10.000	ng	-0.02
36) 1,4-Difluorobenzene	7.357	114	633861	10.000	ng	-0.01
53) Chlorobenzene-d5	10.925	82	383411	10.000	ng	-0.01
80) Bromochloromethane(sim)	5.430	130	200978	10.000	ng	#-0.02
94) 1,4-Difluorobenzene(sim)	7.353	114	710803	10.000	ng	-0.02
104) Chlorobenzene-d5(sim)	10.928	82	418733	10.000	ng	-0.01
System Monitoring Compounds						
62) % Bromofluorobenzene	12.398	95	494830	9.757	ppbv	-0.01
Spiked Amount 10.000	Range 70 - 130		Recovery = 97.60%			
Target Compounds						Qvalue

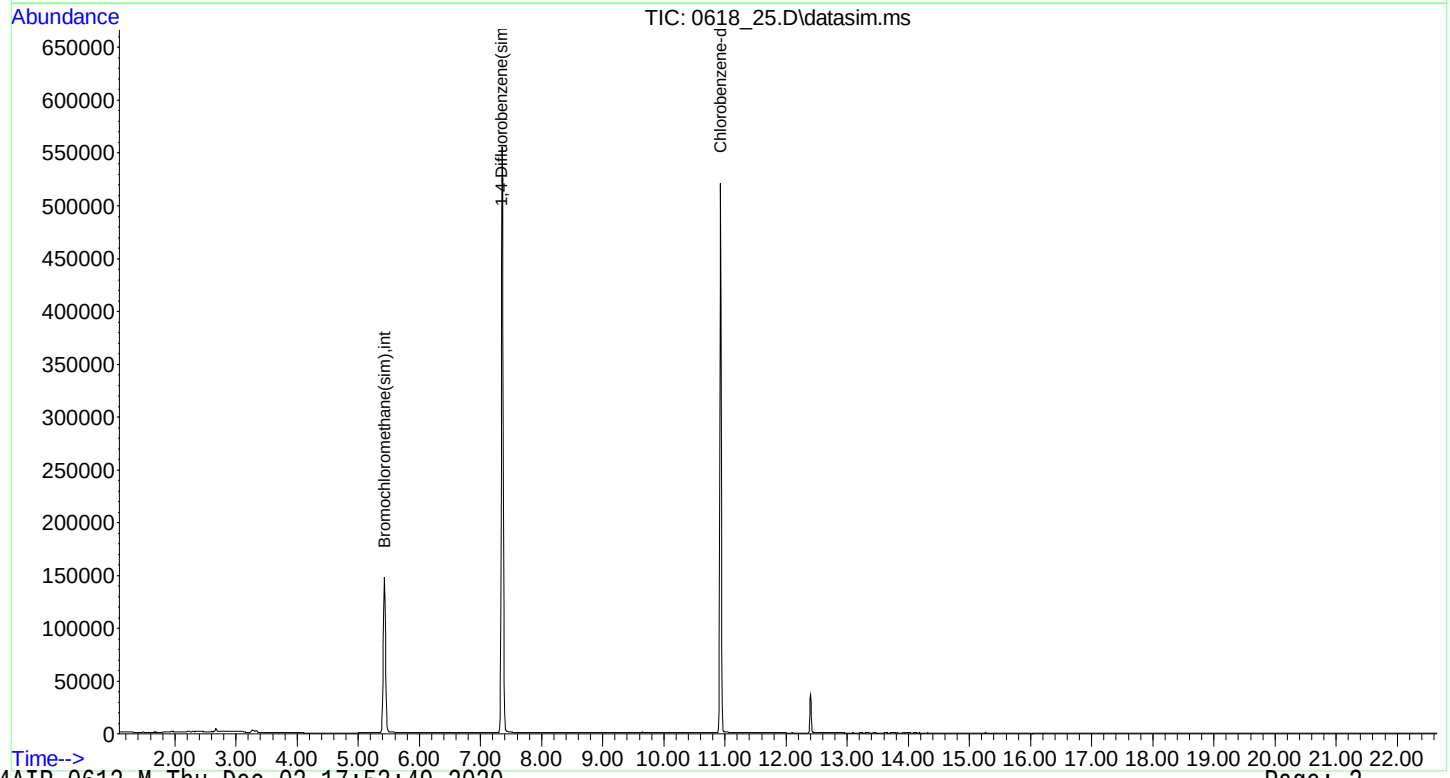
(#)out of range (m)manual integration reviewed by analyst (+)signals summed

Quantitation Report (QT Reviewed)

Data Path : H:\AIR2020\CHEM24\06JUN\18\
Data File : 0618_25.D
Acq On : 19 Jun 2020 6:58 pm
Operator : Keith
Client ID : CANISTER BLK 9767
Lab ID : CANISTER BLK 9767
ALS Vial : 155 Sample Multiplier: 1

Quant Time: Jun 22 08:10:32 2020
Quant Method : H:\AIR2020\CHEM24\METHODS\24AIR_0612.M
Quant Title : VOA Standards for 5 point calibration
QLast Update : Fri Jun 12 15:18:10 2020
Response via : Initial Calibration





1

CLIENT ID

AIR ANALYSIS DATA SHEET

CANISTER BLK 28571

Client: WALDENE-IPARK Lab: Phoenix Env. Labs

SDG No.: GCG56071 Lab Sample ID: CANISTER BLK 28571

Canister: CANBL Lab File ID: 0729_28.D

Instrument: CHEM20 Column: Date Received:

Purge Volume 200 (cc) Date Analyzed: 07/30/20

Matrix: AIR Dilution Factor: 1

CONCENTRATION UNITS: (ppbv or ug/m3) ppbv

CAS NO.	COMPOUND	CONC.	Q	MDL	PQL	R
75-71-8	Dichlorodifluoromethane	0.200	U	0.200	0.200	r
67-64-1	Acetone	1.00	U	1.00	1.00	r
75-09-2	Methylene Chloride	0.400	U	0.400	0.400	r
71-43-2	Benzene	0.050	U	0.050	0.050	r
108-88-3	Toluene	0.200	U	0.200	0.200	r
108-90-7	Chlorobenzene	0.200	U	0.200	0.200	r
100-41-4	Ethylbenzene	0.150	U	0.150	0.150	r
95-47-6	o-Xylene	0.150	U	0.150	0.150	r
75-01-4	Vinyl Chloride(sim)	0.020	U	0.020	0.020	r
56-23-5	Carbon Tetrachloride(sim)	0.020	U	0.020	0.020	r
75-35-4	1,1-Dichloroethene(sim)	0.050	U	0.050	0.050	r
156-59-2	Cis-1,2-Dichloroethene(sim)	0.050	U	0.050	0.050	r
79-01-6	Trichloroethene(sim)	0.037	U	0.037	0.037	r
127-18-4	Tetrachloroethene(sim)	0.100	U	0.100	0.100	r
179601-23-1	m,p-Xylene(sim)	0.150	U	0.150	0.150	r
106-46-7	1,4-Dichlorobenzene(sim)	0.150	U	0.150	0.150	r
120-82-1	1,2,4-Trichlorobenzene(sim)	0.250	U	0.250	0.250	r

FORM I AIR

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

Quantitation Report (QT Reviewed)

Data Path : H:\AIR2020\CHEM20\07JUL\29\
Data File : 0729_28.D
Acq On : 30 Jul 2020 6:42 pm
Operator :
Client ID : CANISTER BLK 28571
Lab ID : CANISTER BLK 28571
ALS Vial : 28 Sample Multiplier: 1

Quant Time: Jul 31 10:02:54 2020
Quant Method : H:\AIR2020\CHEM20\METHODS\20_AIR_0729.M
Quant Title : VOA Standards for 5 point calibration
QLast Update : Thu Jul 30 09:03:16 2020
Response via : Initial Calibration

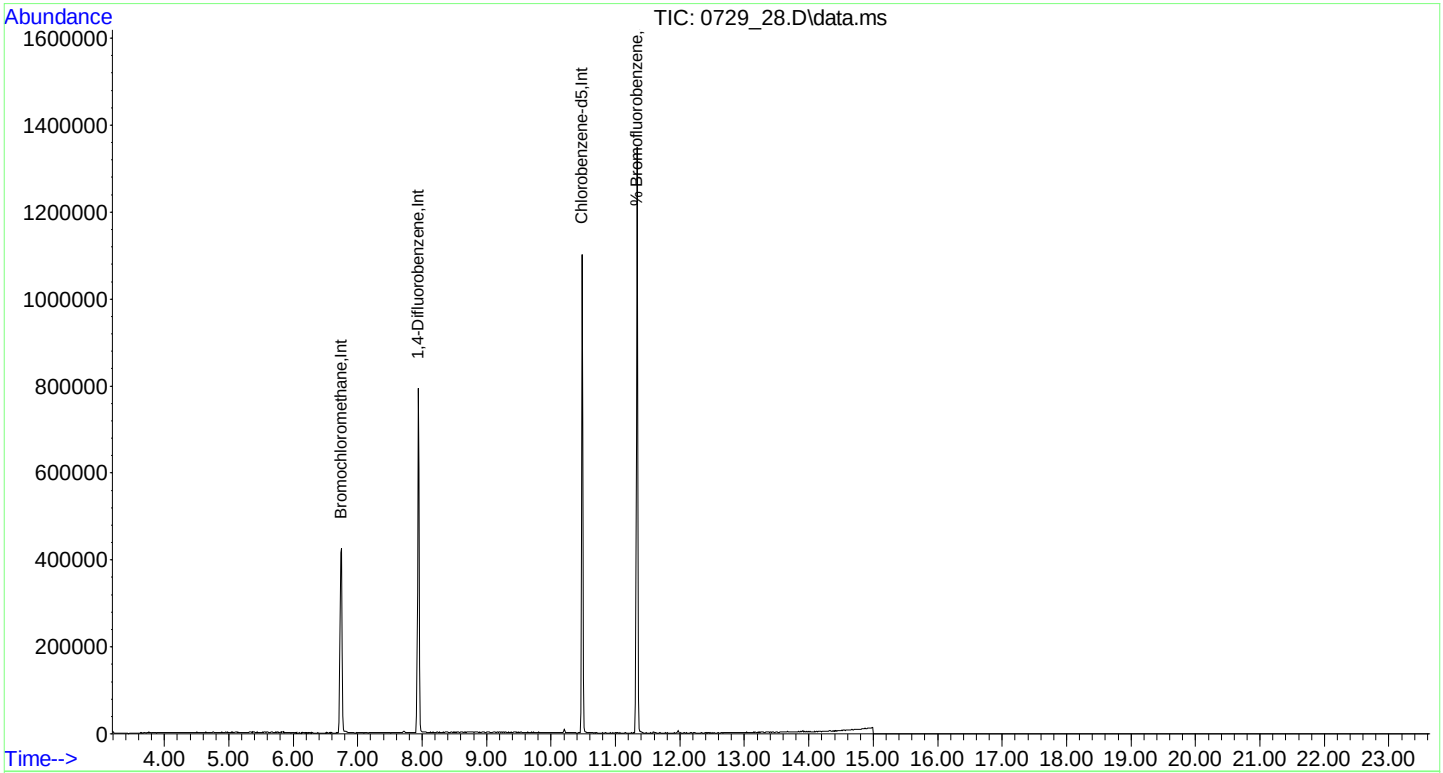
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	6.744	130	168950	10.000	ng	0.00
36) 1,4-Difluorobenzene	7.938	114	612009	10.000	ng	-0.01
53) Chlorobenzene-d5	10.482	82	267962	10.000	ng	0.00
80) Bromochloromethane(sim)	6.739	130	177108	10.000	ng	#-0.01
94) 1,4-Difluorobenzene(sim)	7.943	114	677896	10.000	ng	-0.01
104) Chlorobenzene-d5(sim)	10.487	82	287448	10.000	ng	0.00
System Monitoring Compounds						
62) % Bromofluorobenzene	11.332	95	335775	9.738	ppbv	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 97.40%			
Target Compounds						Qvalue

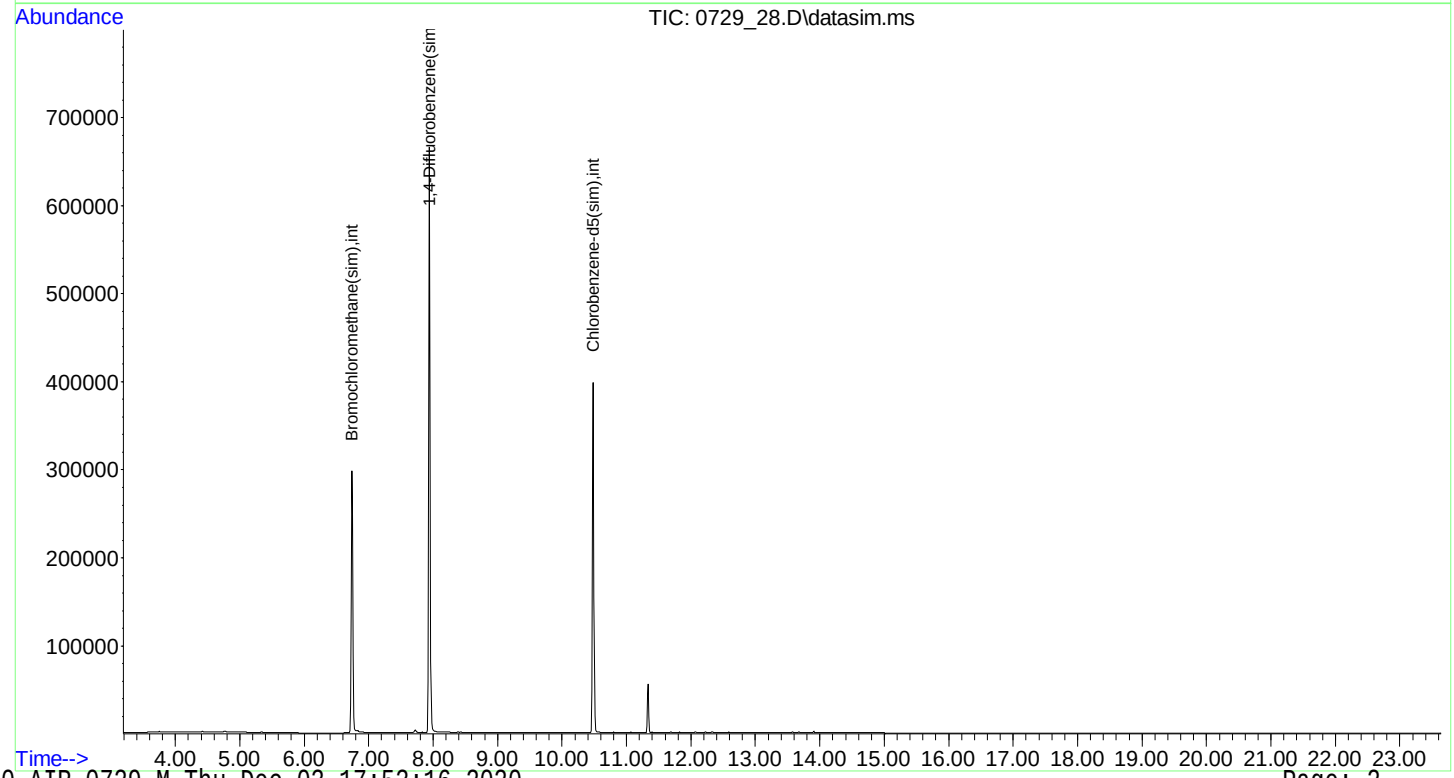
(#)out of range (m)manual integration reviewed by analyst (+)signals summed

Quantitation Report (QT Reviewed)

Data Path : H:\AIR2020\CHEM20\07JUL\29\
Data File : 0729_28.D
Acq On : 30 Jul 2020 6:42 pm
Operator :
Client ID : CANISTER BLK 28571
Lab ID : CANISTER BLK 28571
ALS Vial : 28 Sample Multiplier: 1

Quant Time: Jul 31 10:02:54 2020
Quant Method : H:\AIR2020\CHEM20\METHODS\20_AIR_0729.M
Quant Title : VOA Standards for 5 point calibration
QLast Update : Thu Jul 30 09:03:16 2020
Response via : Initial Calibration





1

CLIENT ID

AIR ANALYSIS DATA SHEET

CANISTER BLK 28623

Client: WALDENE-IPARK Lab: Phoenix Env. Labs

SDG No.: GCG56071 Lab Sample ID: CANISTER BLK 28623

Canister: CANBL Lab File ID: 0618_23.D

Instrument: CHEM24 Column: Date Received:

Purge Volume 200 (cc) Date Analyzed: 06/19/20

Matrix: AIR Dilution Factor: 1

CONCENTRATION UNITS: (ppbv or ug/m3) ppbv

CAS NO.	COMPOUND	CONC.	Q	MDL	PQL	R
75-71-8	Dichlorodifluoromethane	0.200	U	0.200	0.200	r
67-64-1	Acetone	1.00	U	1.00	1.00	r
75-09-2	Methylene Chloride	0.400	U	0.400	0.400	r
71-43-2	Benzene	0.050	U	0.050	0.050	r
108-88-3	Toluene	0.200	U	0.200	0.200	r
108-90-7	Chlorobenzene	0.200	U	0.200	0.200	r
100-41-4	Ethylbenzene	0.150	U	0.150	0.150	r
95-47-6	o-Xylene	0.150	U	0.150	0.150	r
75-01-4	Vinyl Chloride(sim)	0.020	U	0.020	0.020	r
56-23-5	Carbon Tetrachloride(sim)	0.020	U	0.020	0.020	r
75-35-4	1,1-Dichloroethene(sim)	0.050	U	0.050	0.050	r
156-59-2	Cis-1,2-Dichloroethene(sim)	0.050	U	0.050	0.050	r
79-01-6	Trichloroethene(sim)	0.037	U	0.037	0.037	r
127-18-4	Tetrachloroethene(sim)	0.100	U	0.100	0.100	r
179601-23-1	m,p-Xylene(sim)	0.150	U	0.150	0.150	r
106-46-7	1,4-Dichlorobenzene(sim)	0.150	U	0.150	0.150	r
120-82-1	1,2,4-Trichlorobenzene(sim)	0.250	U	0.250	0.250	r

FORM I AIR

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

Quantitation Report (QT Reviewed)

Data Path : H:\AIR2020\CHEM24\06JUN\18\
Data File : 0618_23.D
Acq On : 19 Jun 2020 5:45 pm
Operator : Keith
Client ID : CANISTER BLK 28623
Lab ID : CANISTER BLK 28623
ALS Vial : 153 Sample Multiplier: 1

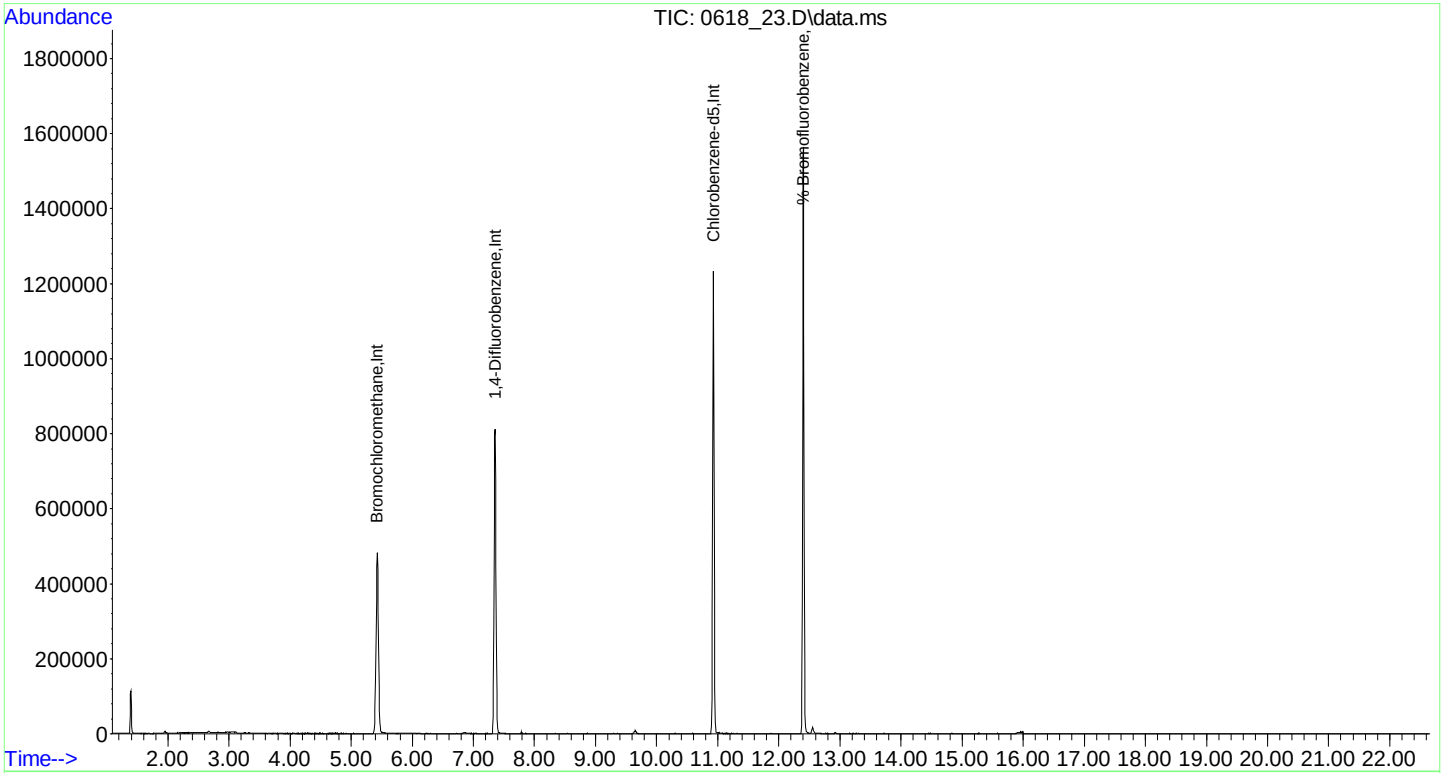
Quant Time: Jun 22 08:10:24 2020
Quant Method : H:\AIR2020\CHEM24\METHODS\24AIR_0612.M
Quant Title : VOA Standards for 5 point calibration
QLast Update : Fri Jun 12 15:18:10 2020
Response via : Initial Calibration

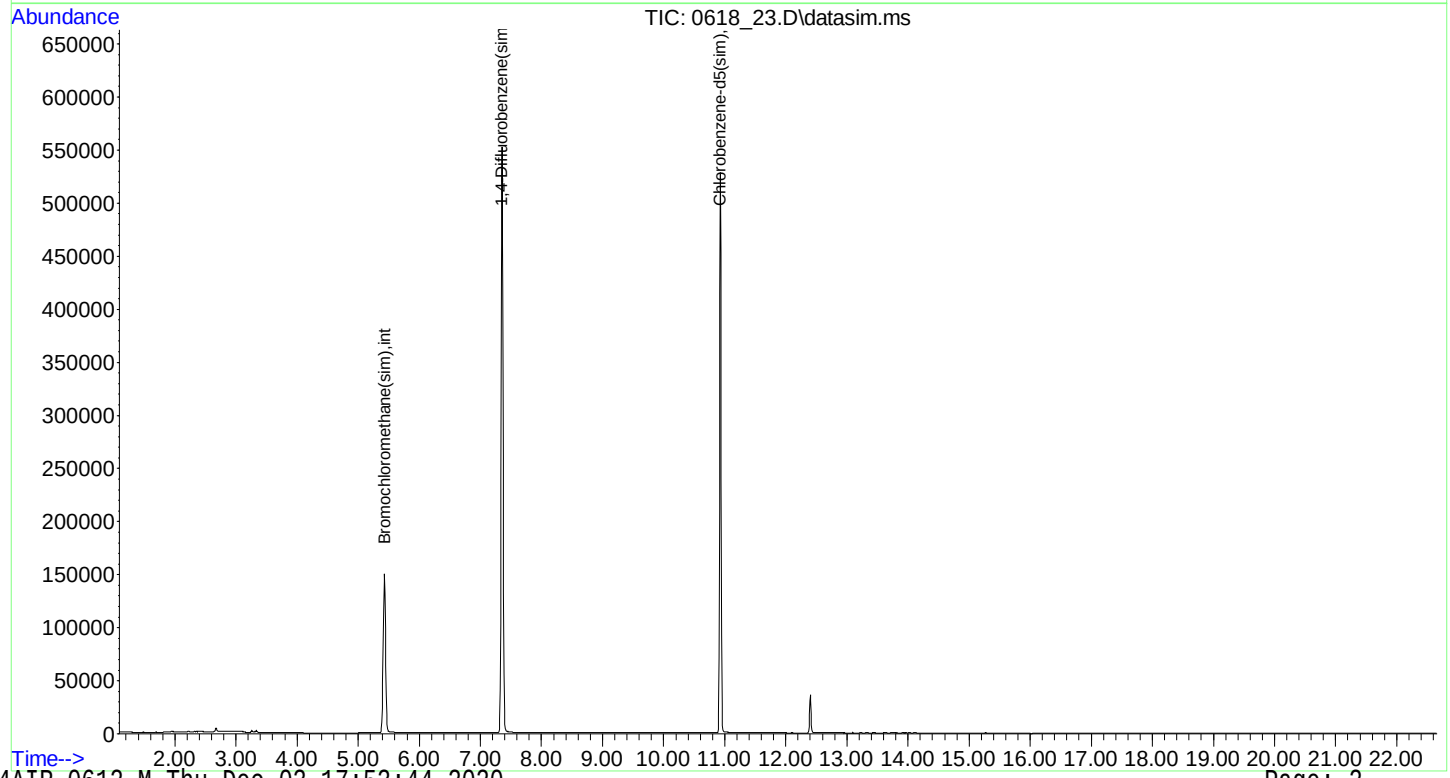
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	5.427	130	194878	10.000	ng	-0.02
36) 1,4-Difluorobenzene	7.356	114	645855	10.000	ng	-0.01
53) Chlorobenzene-d5	10.931	82	388257	10.000	ng	0.00
80) Bromochloromethane(sim)	5.430	130	203941	10.000	ng	#-0.02
94) 1,4-Difluorobenzene(sim)	7.353	114	725946	10.000	ng	-0.02
104) Chlorobenzene-d5(sim)	10.927	82	422759	10.000	ng	-0.01
System Monitoring Compounds						
62) % Bromofluorobenzene	12.404	95	505263	9.838	ppbv	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 98.40%			
Target Compounds						Qvalue

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

Data Path : H:\AIR2020\CHEM24\06JUN\18\
Data File : 0618_23.D
Acq On : 19 Jun 2020 5:45 pm
Operator : Keith
Client ID : CANISTER BLK 28623
Lab ID : CANISTER BLK 28623
ALS Vial : 153 Sample Multiplier: 1

Quant Time: Jun 22 08:10:24 2020
Quant Method : H:\AIR2020\CHEM24\METHODS\24AIR_0612.M
Quant Title : VOA Standards for 5 point calibration
QLast Update : Fri Jun 12 15:18:10 2020
Response via : Initial Calibration





1

CLIENT ID

AIR ANALYSIS DATA SHEET

CANISTER BLK 11292

Client: WALDENE-IPARK Lab: Phoenix Env. Labs

SDG No.: GCG56071 Lab Sample ID: CANISTER BLK 11292

Canister: CANBL Lab File ID: 0618_20.D

Instrument: CHEM24 Column: Date Received:

Purge Volume 200 (cc) Date Analyzed: 06/19/20

Matrix: AIR Dilution Factor: 1

CONCENTRATION UNITS: (ppbv or ug/m3) ppbv

CAS NO.	COMPOUND	CONC.	Q	MDL	PQL	R
75-71-8	Dichlorodifluoromethane	0.200	U	0.200	0.200	r
67-64-1	Acetone	1.00	U	1.00	1.00	r
75-09-2	Methylene Chloride	0.400	U	0.400	0.400	r
71-43-2	Benzene	0.050	U	0.050	0.050	r
108-88-3	Toluene	0.200	U	0.200	0.200	r
108-90-7	Chlorobenzene	0.200	U	0.200	0.200	r
100-41-4	Ethylbenzene	0.150	U	0.150	0.150	r
95-47-6	o-Xylene	0.150	U	0.150	0.150	r
75-01-4	Vinyl Chloride(sim)	0.020	U	0.020	0.020	r
56-23-5	Carbon Tetrachloride(sim)	0.020	U	0.020	0.020	r
75-35-4	1,1-Dichloroethene(sim)	0.050	U	0.050	0.050	r
156-59-2	Cis-1,2-Dichloroethene(sim)	0.050	U	0.050	0.050	r
79-01-6	Trichloroethene(sim)	0.037	U	0.037	0.037	r
127-18-4	Tetrachloroethene(sim)	0.100	U	0.100	0.100	r
179601-23-1	m,p-Xylene(sim)	0.150	U	0.150	0.150	r
106-46-7	1,4-Dichlorobenzene(sim)	0.150	U	0.150	0.150	r
120-82-1	1,2,4-Trichlorobenzene(sim)	0.250	U	0.250	0.250	r

FORM I AIR

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

Quantitation Report (QT Reviewed)

Data Path : H:\AIR2020\CHEM24\06JUN\18\
Data File : 0618_20.D
Acq On : 19 Jun 2020 3:55 pm
Operator : Keith
Client ID : CANISTER BLK 11292
Lab ID : CANISTER BLK 11292
ALS Vial : 150 Sample Multiplier: 1

Quant Time: Jun 22 08:10:13 2020
Quant Method : H:\AIR2020\CHEM24\METHODS\24AIR_0612.M
Quant Title : VOA Standards for 5 point calibration
QLast Update : Fri Jun 12 15:18:10 2020
Response via : Initial Calibration

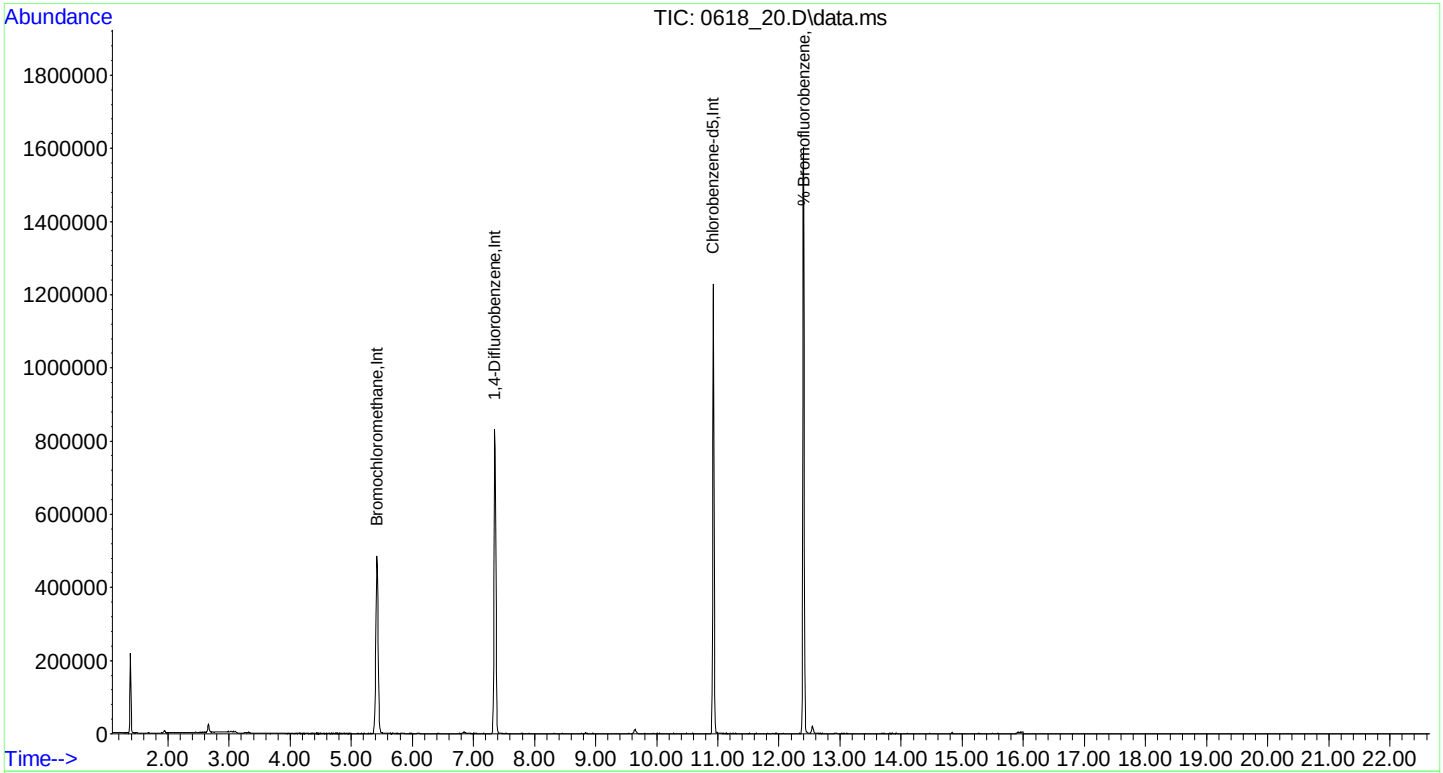
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	5.420	130	196433	10.000	ng	-0.03
36) 1,4-Difluorobenzene	7.350	114	644710	10.000	ng	-0.02
53) Chlorobenzene-d5	10.925	82	384360	10.000	ng	-0.01
80) Bromochloromethane(sim)	5.423	130	204538	10.000	ng	#-0.03
94) 1,4-Difluorobenzene(sim)	7.353	114	720033	10.000	ng	-0.02
104) Chlorobenzene-d5(sim)	10.927	82	420402	10.000	ng	-0.01
System Monitoring Compounds						
62) % Bromofluorobenzene	12.405	95	502503	9.884	ppbv	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 98.80%			
Target Compounds						Qvalue

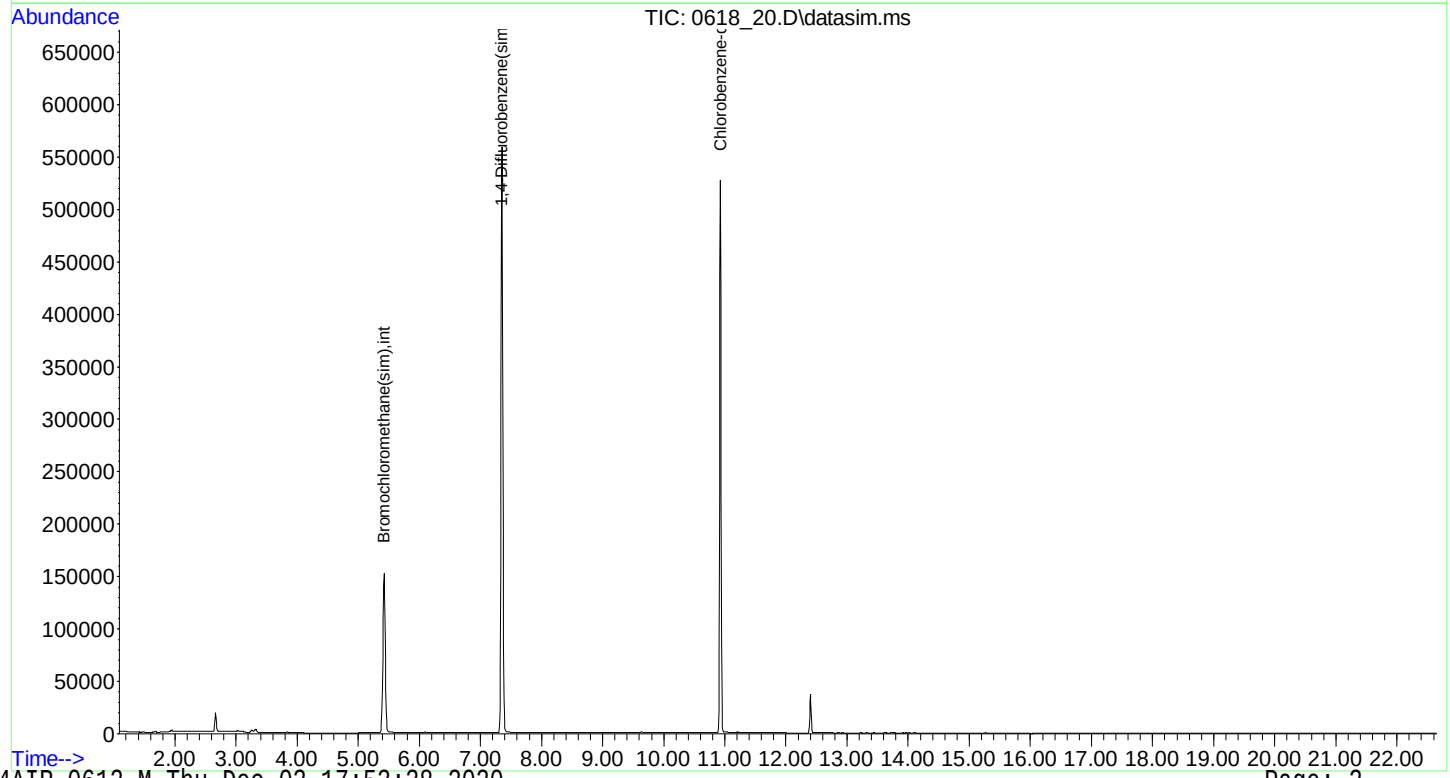
(#)out of range (m)manual integration reviewed by analyst (+)signals summed

Quantitation Report (QT Reviewed)

Data Path : H:\AIR2020\CHEM24\06JUN\18\
Data File : 0618_20.D
Acq On : 19 Jun 2020 3:55 pm
Operator : Keith
Client ID : CANISTER BLK 11292
Lab ID : CANISTER BLK 11292
ALS Vial : 150 Sample Multiplier: 1

Quant Time: Jun 22 08:10:13 2020
Quant Method : H:\AIR2020\CHEM24\METHODS\24AIR_0612.M
Quant Title : VOA Standards for 5 point calibration
QLast Update : Fri Jun 12 15:18:10 2020
Response via : Initial Calibration





1

CLIENT ID

AIR ANALYSIS DATA SHEET

CANISTER BLK 13639

Client: WALDENE-IPARK Lab: Phoenix Env. Labs

SDG No.: GCG56071 Lab Sample ID: CANISTER BLK 13639

Canister: CANBL Lab File ID: 0729_22.D

Instrument: CHEM20 Column: Date Received:

Purge Volume 200 (cc) Date Analyzed: 07/30/20

Matrix: AIR Dilution Factor: 1

CONCENTRATION UNITS: (ppbv or ug/m3) ppbv

CAS NO.	COMPOUND	CONC.	Q	MDL	PQL	R
75-71-8	Dichlorodifluoromethane	0.200	U	0.200	0.200	r
67-64-1	Acetone	1.00	U	1.00	1.00	r
75-09-2	Methylene Chloride	0.400	U	0.400	0.400	r
71-43-2	Benzene	0.050	U	0.050	0.050	r
108-88-3	Toluene	0.200	U	0.200	0.200	r
108-90-7	Chlorobenzene	0.200	U	0.200	0.200	r
100-41-4	Ethylbenzene	0.150	U	0.150	0.150	r
95-47-6	o-Xylene	0.150	U	0.150	0.150	r
75-01-4	Vinyl Chloride(sim)	0.020	U	0.020	0.020	r
56-23-5	Carbon Tetrachloride(sim)	0.020	U	0.020	0.020	r
75-35-4	1,1-Dichloroethene(sim)	0.050	U	0.050	0.050	r
156-59-2	Cis-1,2-Dichloroethene(sim)	0.050	U	0.050	0.050	r
79-01-6	Trichloroethene(sim)	0.037	U	0.037	0.037	r
127-18-4	Tetrachloroethene(sim)	0.100	U	0.100	0.100	r
179601-23-1	m,p-Xylene(sim)	0.150	U	0.150	0.150	r
106-46-7	1,4-Dichlorobenzene(sim)	0.150	U	0.150	0.150	r
120-82-1	1,2,4-Trichlorobenzene(sim)	0.250	U	0.250	0.250	r

FORM I AIR

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

Quantitation Report (QT Reviewed)

Data Path : H:\AIR2020\CHEM20\07JUL\29\
Data File : 0729_22.D
Acq On : 30 Jul 2020 2:49 pm
Operator :
Client ID : CANISTER BLK 13639
Lab ID : CANISTER BLK 13639
ALS Vial : 22 Sample Multiplier: 1

Quant Time: Jul 31 10:02:20 2020
Quant Method : H:\AIR2020\CHEM20\METHODS\20_AIR_0729.M
Quant Title : VOA Standards for 5 point calibration
QLast Update : Thu Jul 30 09:03:16 2020
Response via : Initial Calibration

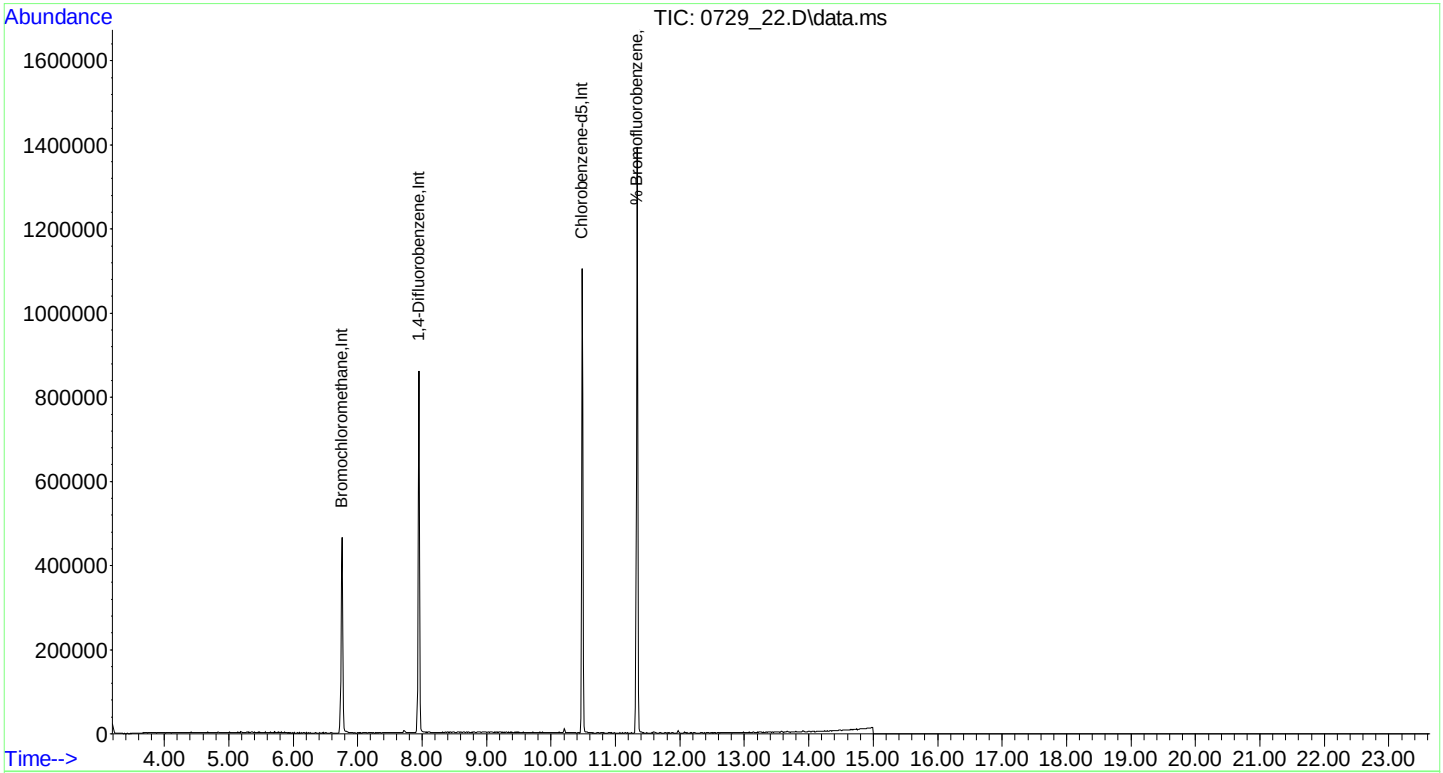
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Bromochloromethane	6.755	130	170739	10.000	ng		0.01
36) 1,4-Difluorobenzene	7.949	114	638668	10.000	ng		0.00
53) Chlorobenzene-d5	10.482	82	273897	10.000	ng		0.00
80) Bromochloromethane(sim)	6.760	130	180818	10.000	ng	#	0.01
94) 1,4-Difluorobenzene(sim)	7.955	114	695027	10.000	ng		0.00
104) Chlorobenzene-d5(sim)	10.487	82	296072	10.000	ng		0.00
System Monitoring Compounds							
62) % Bromofluorobenzene	11.332	95	349902	9.927	ppbv		0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 99.30%				
Target Compounds							Qvalue

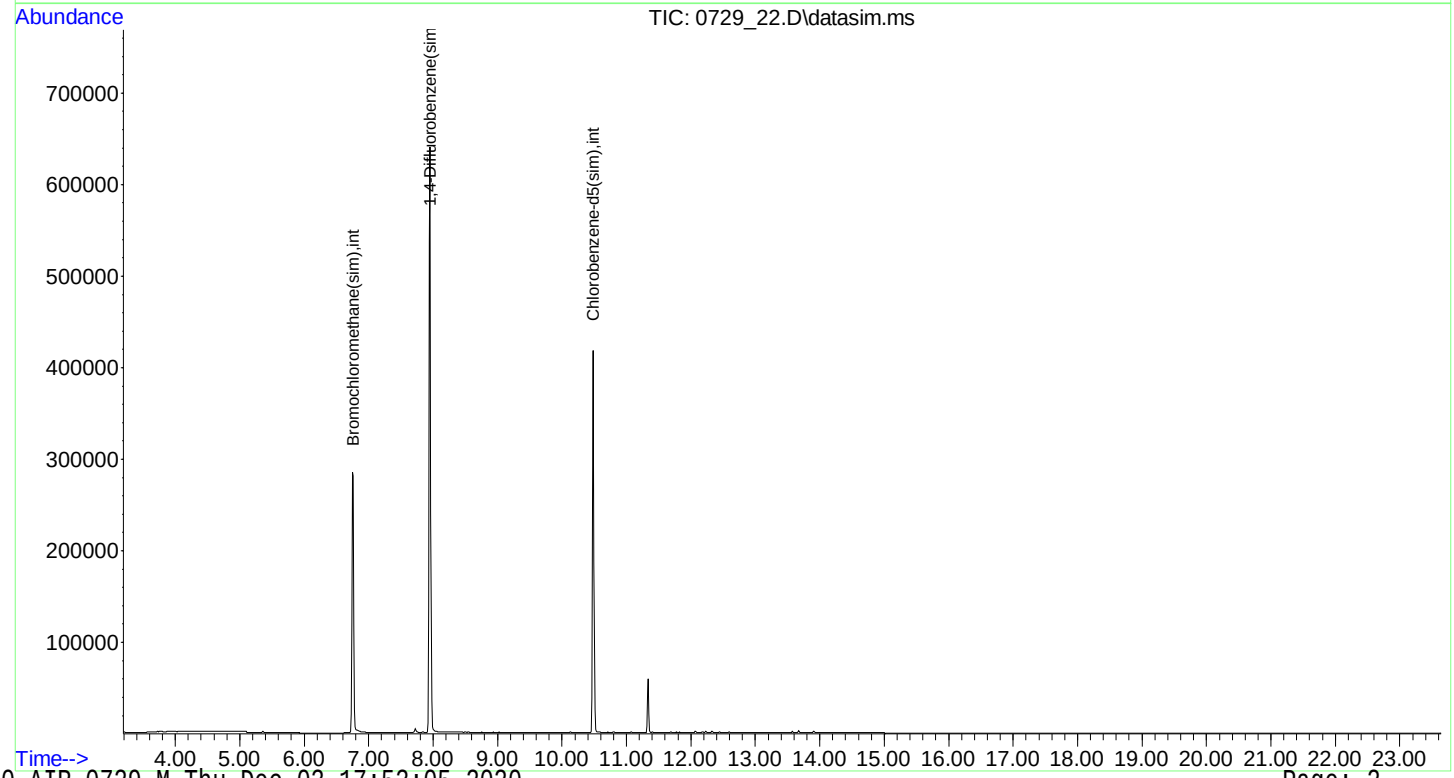
(#)out of range (m)manual integration reviewed by analyst (+)signals summed

Quantitation Report (QT Reviewed)

Data Path : H:\AIR2020\CHEM20\07JUL\29\
Data File : 0729_22.D
Acq On : 30 Jul 2020 2:49 pm
Operator :
Client ID : CANISTER BLK 13639
Lab ID : CANISTER BLK 13639
ALS Vial : 22 Sample Multiplier: 1

Quant Time: Jul 31 10:02:20 2020
Quant Method : H:\AIR2020\CHEM20\METHODS\20_AIR_0729.M
Quant Title : VOA Standards for 5 point calibration
QLast Update : Thu Jul 30 09:03:16 2020
Response via : Initial Calibration





1

CLIENT ID

AIR ANALYSIS DATA SHEET

CANISTER BLK 19426

Client: WALDENE-IPARK Lab: Phoenix Env. Labs

SDG No.: GCG56071 Lab Sample ID: CANISTER BLK 19426

Canister: CANBL Lab File ID: 0729_24.D

Instrument: CHEM20 Column: Date Received:

Purge Volume 200 (cc) Date Analyzed: 07/30/20

Matrix: AIR Dilution Factor: 1

CONCENTRATION UNITS: (ppbv or ug/m3) ppbv

CAS NO.	COMPOUND	CONC.	Q	MDL	PQL	R
75-71-8	Dichlorodifluoromethane	0.200	U	0.200	0.200	r
67-64-1	Acetone	1.00	U	1.00	1.00	r
75-09-2	Methylene Chloride	0.400	U	0.400	0.400	r
71-43-2	Benzene	0.050	U	0.050	0.050	r
108-88-3	Toluene	0.200	U	0.200	0.200	r
108-90-7	Chlorobenzene	0.200	U	0.200	0.200	r
100-41-4	Ethylbenzene	0.150	U	0.150	0.150	r
95-47-6	o-Xylene	0.150	U	0.150	0.150	r
75-01-4	Vinyl Chloride(sim)	0.020	U	0.020	0.020	r
56-23-5	Carbon Tetrachloride(sim)	0.020	U	0.020	0.020	r
75-35-4	1,1-Dichloroethene(sim)	0.050	U	0.050	0.050	r
156-59-2	Cis-1,2-Dichloroethene(sim)	0.050	U	0.050	0.050	r
79-01-6	Trichloroethene(sim)	0.037	U	0.037	0.037	r
127-18-4	Tetrachloroethene(sim)	0.100	U	0.100	0.100	r
179601-23-1	m,p-Xylene(sim)	0.150	U	0.150	0.150	r
106-46-7	1,4-Dichlorobenzene(sim)	0.150	U	0.150	0.150	r
120-82-1	1,2,4-Trichlorobenzene(sim)	0.250	U	0.250	0.250	r

FORM I AIR

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

Quantitation Report (QT Reviewed)

Data Path : H:\AIR2020\CHEM20\07JUL\29\
Data File : 0729_24.D
Acq On : 30 Jul 2020 4:07 pm
Operator :
Client ID : CANISTER BLK 19426
Lab ID : CANISTER BLK 19426
ALS Vial : 24 Sample Multiplier: 1

Quant Time: Jul 31 10:02:32 2020
Quant Method : H:\AIR2020\CHEM20\METHODS\20_AIR_0729.M
Quant Title : VOA Standards for 5 point calibration
QLast Update : Thu Jul 30 09:03:16 2020
Response via : Initial Calibration

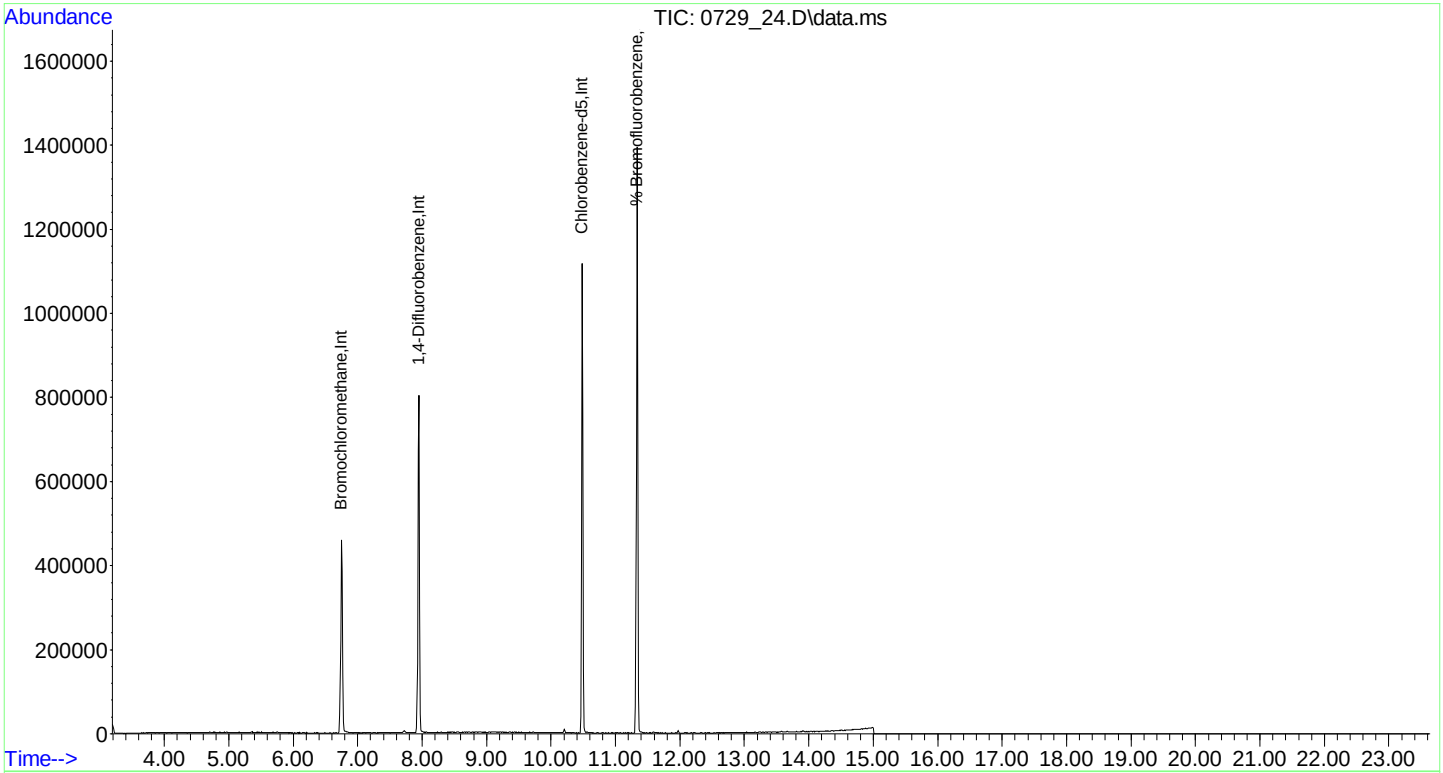
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	6.744	130	170333	10.000	ng	0.00
36) 1,4-Difluorobenzene	7.949	114	637202	10.000	ng	0.00
53) Chlorobenzene-d5	10.482	82	274244	10.000	ng	0.00
80) Bromochloromethane(sim)	6.750	130	181082	10.000	ng	# 0.00
94) 1,4-Difluorobenzene(sim)	7.943	114	696161	10.000	ng	-0.01
104) Chlorobenzene-d5(sim)	10.487	82	294407	10.000	ng	0.00
System Monitoring Compounds						
62) % Bromofluorobenzene	11.332	95	350137	9.921	ppbv	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 99.20%			
Target Compounds						Qvalue

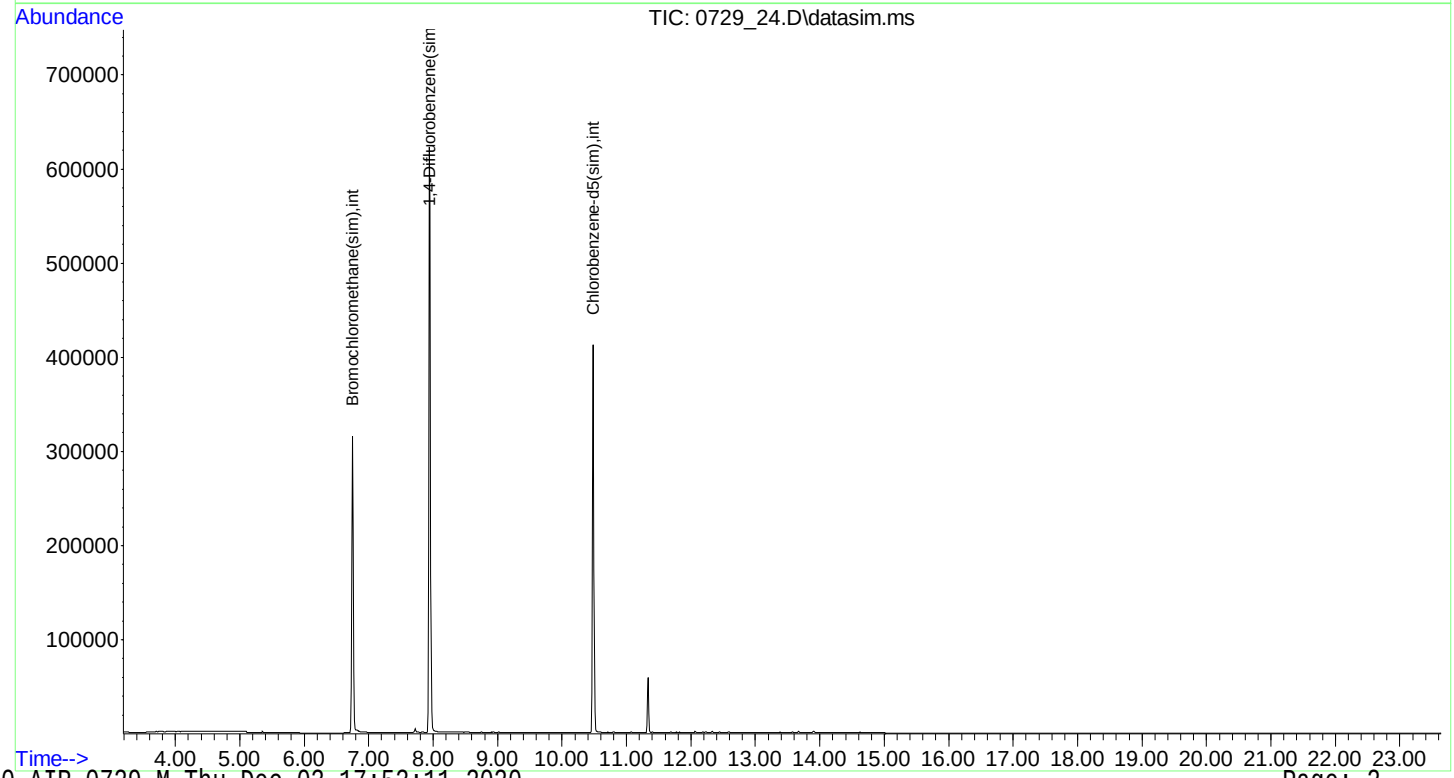
(#)out of range (m)manual integration reviewed by analyst (+)signals summed

Quantitation Report (QT Reviewed)

Data Path : H:\AIR2020\CHEM20\07JUL\29\
Data File : 0729_24.D
Acq On : 30 Jul 2020 4:07 pm
Operator :
Client ID : CANISTER BLK 19426
Lab ID : CANISTER BLK 19426
ALS Vial : 24 Sample Multiplier: 1

Quant Time: Jul 31 10:02:32 2020
Quant Method : H:\AIR2020\CHEM20\METHODS\20_AIR_0729.M
Quant Title : VOA Standards for 5 point calibration
QLast Update : Thu Jul 30 09:03:16 2020
Response via : Initial Calibration





1

CLIENT ID

AIR ANALYSIS DATA SHEET

CANISTER BLK 19854

Client: WALDENE-IPARK Lab: Phoenix Env. Labs

SDG No.: GCG56071 Lab Sample ID: CANISTER BLK 19854

Canister: CANBL Lab File ID: 0710_29.D

Instrument: CHEM20 Column: Date Received:

Purge Volume 200 (cc) Date Analyzed: 07/11/20

Matrix: AIR Dilution Factor: 1

CONCENTRATION UNITS: (ppbv or ug/m3) ppbv

CAS NO.	COMPOUND	CONC.	Q	MDL	PQL	R
75-71-8	Dichlorodifluoromethane	0.200	U	0.200	0.200	r
67-64-1	Acetone	1.00	U	1.00	1.00	r
75-09-2	Methylene Chloride	0.400	U	0.400	0.400	r
71-43-2	Benzene	0.050	U	0.050	0.050	r
108-88-3	Toluene	0.200	U	0.200	0.200	r
108-90-7	Chlorobenzene	0.200	U	0.200	0.200	r
100-41-4	Ethylbenzene	0.150	U	0.150	0.150	r
95-47-6	o-Xylene	0.150	U	0.150	0.150	r
75-01-4	Vinyl Chloride(sim)	0.020	U	0.020	0.020	r
56-23-5	Carbon Tetrachloride(sim)	0.020	U	0.020	0.020	r
75-35-4	1,1-Dichloroethene(sim)	0.050	U	0.050	0.050	r
156-59-2	Cis-1,2-Dichloroethene(sim)	0.050	U	0.050	0.050	r
79-01-6	Trichloroethene(sim)	0.037	U	0.037	0.037	r
127-18-4	Tetrachloroethene(sim)	0.100	U	0.100	0.100	r
179601-23-1	m,p-Xylene(sim)	0.150	U	0.150	0.150	r
106-46-7	1,4-Dichlorobenzene(sim)	0.150	U	0.150	0.150	r
120-82-1	1,2,4-Trichlorobenzene(sim)	0.250	U	0.250	0.250	r

FORM I AIR

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

Quantitation Report (QT Reviewed)

Data Path : H:\AIR2020\CHEM20\07JUL\10\
Data File : 0710_29.D
Acq On : 11 Jul 2020 5:20 am
Operator :
Client ID : CANISTER BLK 19854
Lab ID : CANISTER BLK 19854
ALS Vial : 26 Sample Multiplier: 1

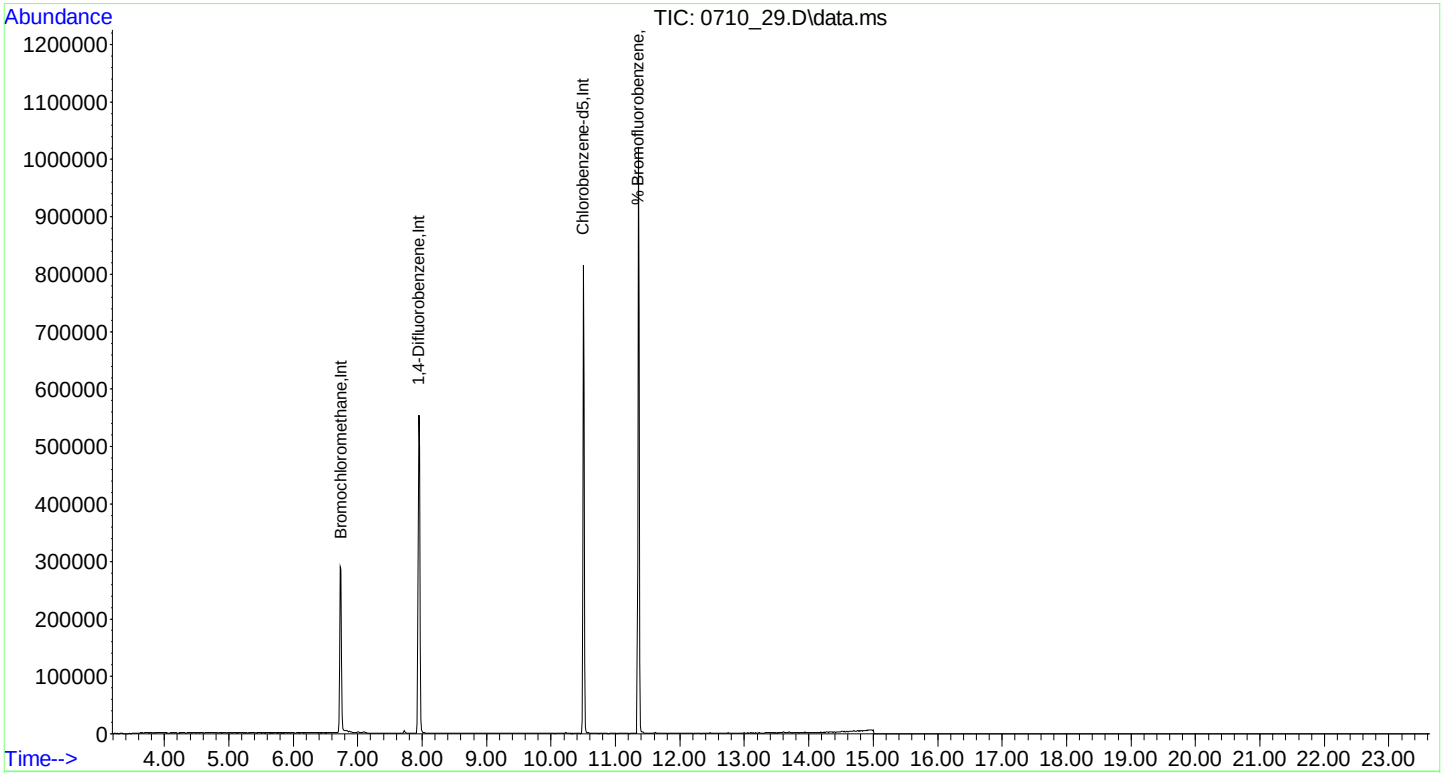
Quant Time: Jul 13 08:25:21 2020
Quant Method : H:\AIR2020\CHEM20\METHODS\20_AIR_0710.M
Quant Title : VOA Standards for 5 point calibration
QLast Update : Mon Jul 13 09:14:13 2020
Response via : Initial Calibration

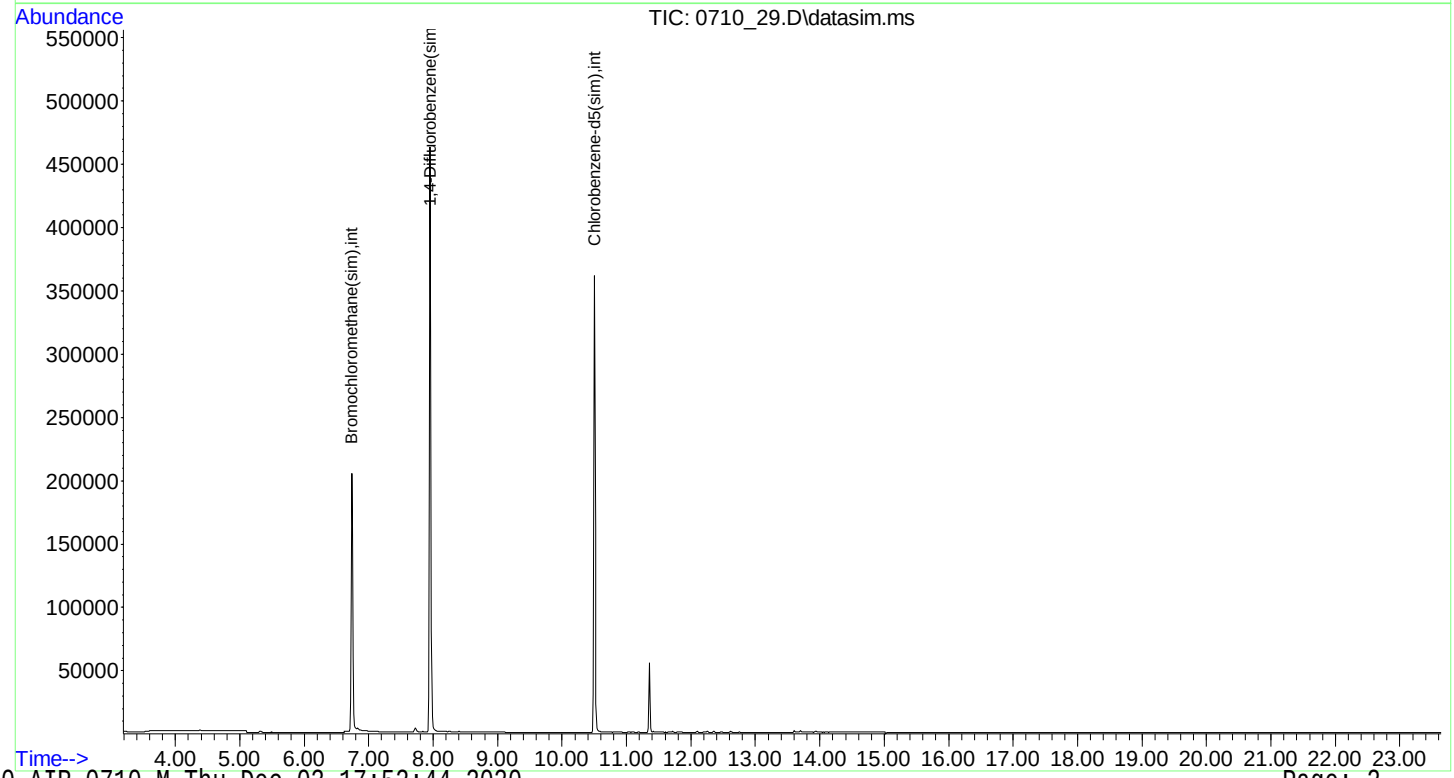
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	6.742	130	102004	10.000	ng	-0.02
36) 1,4-Difluorobenzene	7.946	114	385650	10.000	ng	-0.02
53) Chlorobenzene-d5	10.502	82	204062	10.000	ng	-0.01
80) Bromochloromethane(sim)	6.737	130	110430	10.000	ng	#-0.03
94) 1,4-Difluorobenzene(sim)	7.952	114	438689	10.000	ng	-0.02
104) Chlorobenzene-d5(sim)	10.507	82	222459	10.000	ng	0.00
System Monitoring Compounds						
62) % Bromofluorobenzene	11.352	95	266934	9.716	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:\AIR2020\CHEM20\07JUL\10\
Data File : 0710_29.D
Acq On : 11 Jul 2020 5:20 am
Operator :
Client ID : CANISTER BLK 19854
Lab ID : CANISTER BLK 19854
ALS Vial : 26 Sample Multiplier: 1

Quant Time: Jul 13 08:25:21 2020
Quant Method : H:\AIR2020\CHEM20\METHODS\20_AIR_0710.M
Quant Title : VOA Standards for 5 point calibration
QLast Update : Mon Jul 13 09:14:13 2020
Response via : Initial Calibration





1

CLIENT ID

AIR ANALYSIS DATA SHEET

CANISTER BLK 19859

Client: WALDENE-IPARK Lab: Phoenix Env. Labs

SDG No.: GCG56071 Lab Sample ID: CANISTER BLK 19859

Canister: CANBL Lab File ID: 0624_16.D

Instrument: CHEM20 Column: Date Received:

Purge Volume 200 (cc) Date Analyzed: 06/24/20

Matrix: AIR Dilution Factor: 1

CONCENTRATION UNITS: (ppbv or ug/m3) ppbv

CAS NO.	COMPOUND	CONC.	Q	MDL	PQL	R
75-71-8	Dichlorodifluoromethane	0.200	U	0.200	0.200	r
67-64-1	Acetone	1.00	U	1.00	1.00	r
75-09-2	Methylene Chloride	0.400	U	0.400	0.400	r
71-43-2	Benzene	0.050	U	0.050	0.050	r
108-88-3	Toluene	0.200	U	0.200	0.200	r
108-90-7	Chlorobenzene	0.200	U	0.200	0.200	r
100-41-4	Ethylbenzene	0.150	U	0.150	0.150	r
95-47-6	o-Xylene	0.150	U	0.150	0.150	r
75-01-4	Vinyl Chloride(sim)	0.020	U	0.020	0.020	r
56-23-5	Carbon Tetrachloride(sim)	0.020	U	0.020	0.020	r
75-35-4	1,1-Dichloroethene(sim)	0.050	U	0.050	0.050	r
156-59-2	Cis-1,2-Dichloroethene(sim)	0.050	U	0.050	0.050	r
79-01-6	Trichloroethene(sim)	0.037	U	0.037	0.037	r
127-18-4	Tetrachloroethene(sim)	0.100	U	0.100	0.100	r
179601-23-1	m,p-Xylene(sim)	0.150	U	0.150	0.150	r
106-46-7	1,4-Dichlorobenzene(sim)	0.150	U	0.150	0.150	r
120-82-1	1,2,4-Trichlorobenzene(sim)	0.250	U	0.250	0.250	r

FORM I AIR

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

Quantitation Report (QT Reviewed)

Data Path : H:\AIR2020\CHEM20\06JUN\24\
Data File : 0624_16.D
Acq On : 24 Jun 2020 9:20 pm
Operator :
Client ID : CANISTER BLK 19859
Lab ID : CANISTER BLK 19859
ALS Vial : 44 Sample Multiplier: 1

Quant Time: Jun 25 08:17:31 2020
Quant Method : H:\AIR2020\CHEM20\METHODS\20_AIR_0615.M
Quant Title : VOA Standards for 5 point calibration
QLast Update : Mon Jun 15 14:41:22 2020
Response via : Initial Calibration

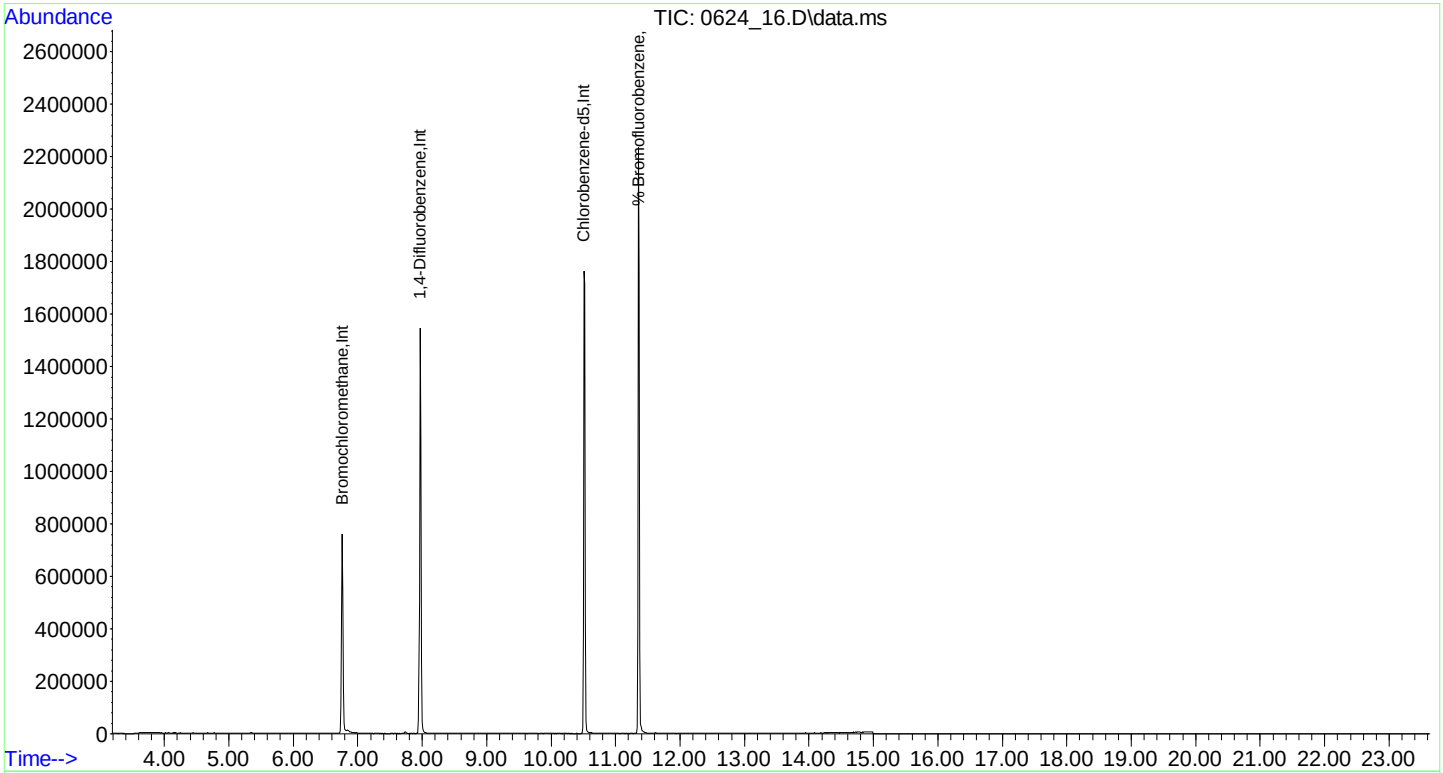
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Bromochloromethane	6.759	130	226006	10.000	ng		0.00
36) 1,4-Difluorobenzene	7.965	114	866096	10.000	ng		0.00
53) Chlorobenzene-d5	10.508	82	473837	10.000	ng		-0.01
80) Bromochloromethane(sim)	6.764	130	246404	10.000	ng	#	0.00
94) 1,4-Difluorobenzene(sim)	7.971	114	1012078	10.000	ng		0.00
104) Chlorobenzene-d5(sim)	10.513	82	532410	10.000	ng		0.00
System Monitoring Compounds							
62) % Bromofluorobenzene	11.358	95	614740	9.625	ppbv		0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 96.30%				
Target Compounds							Qvalue

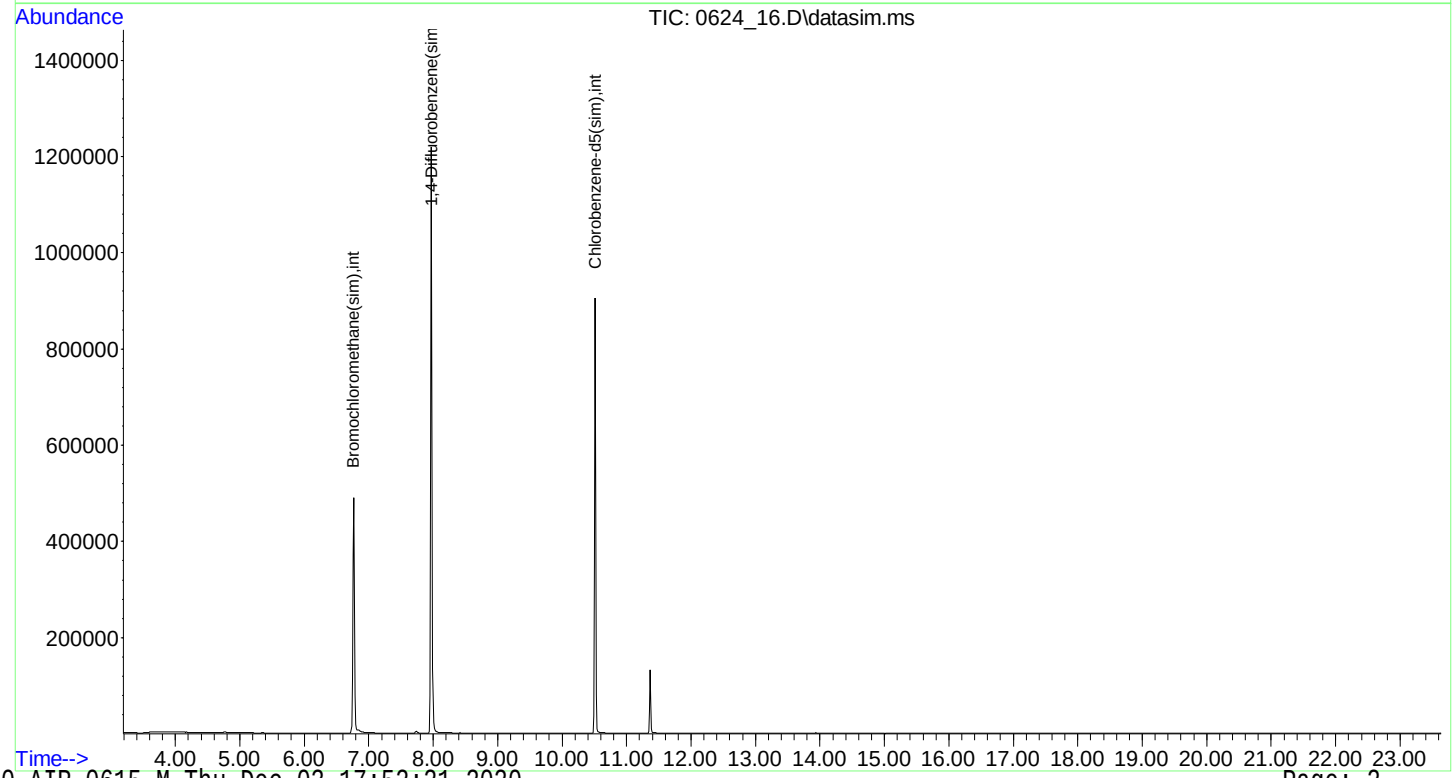
(#)out of range (m)manual integration reviewed by analyst (+)signals summed

Quantitation Report (QT Reviewed)

Data Path : H:\AIR2020\CHEM20\06JUN\24\
Data File : 0624_16.D
Acq On : 24 Jun 2020 9:20 pm
Operator :
Client ID : CANISTER BLK 19859
Lab ID : CANISTER BLK 19859
ALS Vial : 44 Sample Multiplier: 1

Quant Time: Jun 25 08:17:31 2020
Quant Method : H:\AIR2020\CHEM20\METHODS\20_AIR_0615.M
Quant Title : VOA Standards for 5 point calibration
QLast Update : Mon Jun 15 14:41:22 2020
Response via : Initial Calibration





1

CLIENT ID

AIR ANALYSIS DATA SHEET

CANISTER BLK 23350

Client: WALDENE-IPARK Lab: Phoenix Env. Labs

SDG No.: GCG56071 Lab Sample ID: CANISTER BLK 23350

Canister: CANBL Lab File ID: 0729_29.D

Instrument: CHEM20 Column: Date Received:

Purge Volume 200 (cc) Date Analyzed: 07/30/20

Matrix: AIR Dilution Factor: 1

CONCENTRATION UNITS: (ppbv or ug/m3) ppbv

CAS NO.	COMPOUND	CONC.	Q	MDL	PQL	R
75-71-8	Dichlorodifluoromethane	0.200	U	0.200	0.200	r
67-64-1	Acetone	1.00	U	1.00	1.00	r
75-09-2	Methylene Chloride	0.400	U	0.400	0.400	r
71-43-2	Benzene	0.050	U	0.050	0.050	r
108-88-3	Toluene	0.200	U	0.200	0.200	r
108-90-7	Chlorobenzene	0.200	U	0.200	0.200	r
100-41-4	Ethylbenzene	0.150	U	0.150	0.150	r
95-47-6	o-Xylene	0.150	U	0.150	0.150	r
75-01-4	Vinyl Chloride(sim)	0.020	U	0.020	0.020	r
56-23-5	Carbon Tetrachloride(sim)	0.020	U	0.020	0.020	r
75-35-4	1,1-Dichloroethene(sim)	0.050	U	0.050	0.050	r
156-59-2	Cis-1,2-Dichloroethene(sim)	0.050	U	0.050	0.050	r
79-01-6	Trichloroethene(sim)	0.037	U	0.037	0.037	r
127-18-4	Tetrachloroethene(sim)	0.100	U	0.100	0.100	r
179601-23-1	m,p-Xylene(sim)	0.150	U	0.150	0.150	r
106-46-7	1,4-Dichlorobenzene(sim)	0.150	U	0.150	0.150	r
120-82-1	1,2,4-Trichlorobenzene(sim)	0.250	U	0.250	0.250	r

FORM I AIR

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

Quantitation Report (QT Reviewed)

Data Path : H:\AIR2020\CHEM20\07JUL\29\
Data File : 0729_29.D
Acq On : 30 Jul 2020 7:21 pm
Operator :
Client ID : CANISTER BLK 23350
Lab ID : CANISTER BLK 23350
ALS Vial : 29 Sample Multiplier: 1

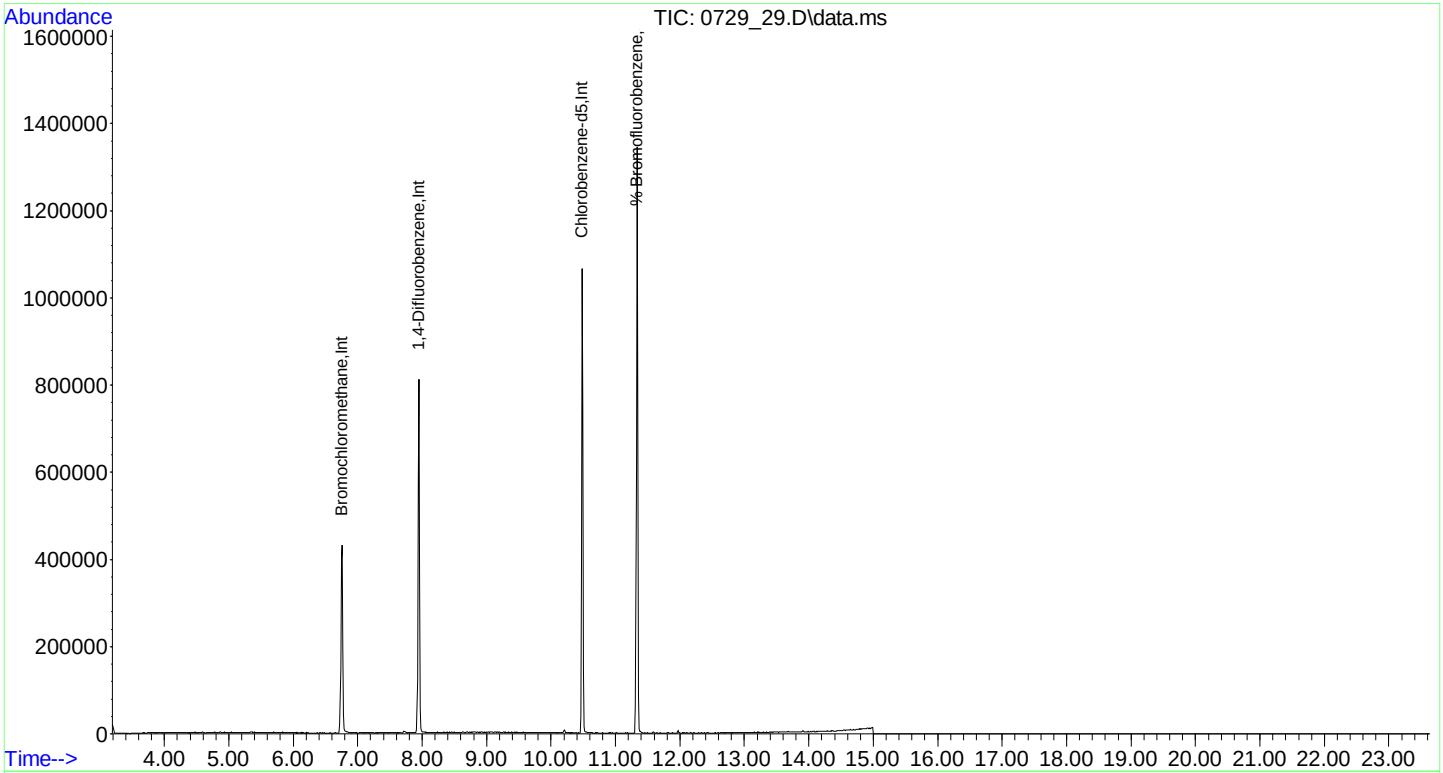
Quant Time: Jul 31 10:03:00 2020
Quant Method : H:\AIR2020\CHEM20\METHODS\20_AIR_0729.M
Quant Title : VOA Standards for 5 point calibration
QLast Update : Thu Jul 30 09:03:16 2020
Response via : Initial Calibration

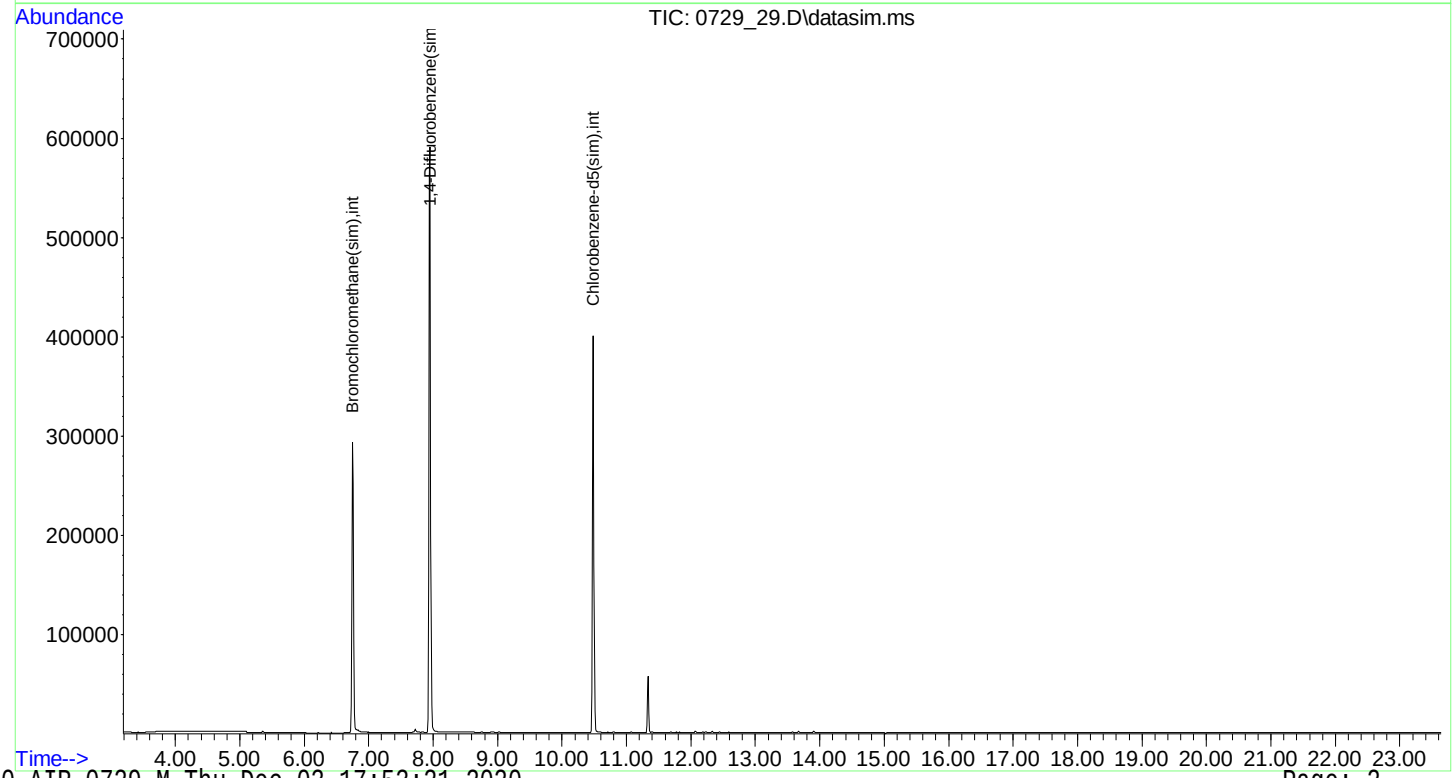
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Bromochloromethane	6.755	130	165354	10.000	ng		0.01
36) 1,4-Difluorobenzene	7.949	114	608958	10.000	ng		0.00
53) Chlorobenzene-d5	10.482	82	262479	10.000	ng		0.00
80) Bromochloromethane(sim)	6.750	130	175560	10.000	ng	#	0.00
94) 1,4-Difluorobenzene(sim)	7.955	114	674299	10.000	ng		0.00
104) Chlorobenzene-d5(sim)	10.487	82	284553	10.000	ng		0.00
System Monitoring Compounds							
62) % Bromofluorobenzene	11.332	95	335375	9.929	ppbv		0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	99.30%			
Target Compounds							Qvalue

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

Data Path : H:\AIR2020\CHEM20\07JUL\29\
Data File : 0729_29.D
Acq On : 30 Jul 2020 7:21 pm
Operator :
Client ID : CANISTER BLK 23350
Lab ID : CANISTER BLK 23350
ALS Vial : 29 Sample Multiplier: 1

Quant Time: Jul 31 10:03:00 2020
Quant Method : H:\AIR2020\CHEM20\METHODS\20_AIR_0729.M
Quant Title : VOA Standards for 5 point calibration
QLast Update : Thu Jul 30 09:03:16 2020
Response via : Initial Calibration





1

CLIENT ID

AIR ANALYSIS DATA SHEET

CANISTER BLK 23352

Client: WALDENE-IPARK Lab: Phoenix Env. Labs

SDG No.: GCG56071 Lab Sample ID: CANISTER BLK 23352

Canister: CANBL Lab File ID: 0510_29.D

Instrument: CHEM20 Column: Date Received:

Purge Volume 200 (cc) Date Analyzed: 05/11/20

Matrix: AIR Dilution Factor: 1

CONCENTRATION UNITS: (ppbv or ug/m3) ppbv

CAS NO.	COMPOUND	CONC.	Q	MDL	PQL	R
75-71-8	Dichlorodifluoromethane	0.200	U	0.200	0.200	r
67-64-1	Acetone	1.00	U	1.00	1.00	r
75-09-2	Methylene Chloride	0.400	U	0.400	0.400	r
71-43-2	Benzene	0.050	U	0.050	0.050	r
108-88-3	Toluene	0.200	U	0.200	0.200	r
108-90-7	Chlorobenzene	0.200	U	0.200	0.200	r
100-41-4	Ethylbenzene	0.150	U	0.150	0.150	r
95-47-6	o-Xylene	0.150	U	0.150	0.150	r
75-01-4	Vinyl Chloride(sim)	0.020	U	0.020	0.020	r
56-23-5	Carbon Tetrachloride(sim)	0.020	U	0.020	0.020	r
75-35-4	1,1-Dichloroethene(sim)	0.050	U	0.050	0.050	r
156-59-2	Cis-1,2-Dichloroethene(sim)	0.050	U	0.050	0.050	r
79-01-6	Trichloroethene(sim)	0.037	U	0.037	0.037	r
127-18-4	Tetrachloroethene(sim)	0.100	U	0.100	0.100	r
179601-23-1	m,p-Xylene(sim)	0.150	U	0.150	0.150	r
106-46-7	1,4-Dichlorobenzene(sim)	0.150	U	0.150	0.150	r
120-82-1	1,2,4-Trichlorobenzene(sim)	0.250	U	0.250	0.250	r

FORM I AIR

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

Quantitation Report (QT Reviewed)

Data Path : H:\AIR2020\CHEM20\05MAY\10\
Data File : 0510_29.D
Acq On : 11 May 2020 1:54 pm
Operator :
Client ID : CANISTER BLK 23352
Lab ID : CANISTER BLK 23352
ALS Vial : 30 Sample Multiplier: 1

Quant Time: May 11 13:43:29 2020
Quant Method : H:\AIR2020\CHEM20\METHODS\20_AIR_0510.M
Quant Title : VOA Standards for 5 point calibration
QLast Update : Mon May 11 08:38:18 2020
Response via : Initial Calibration

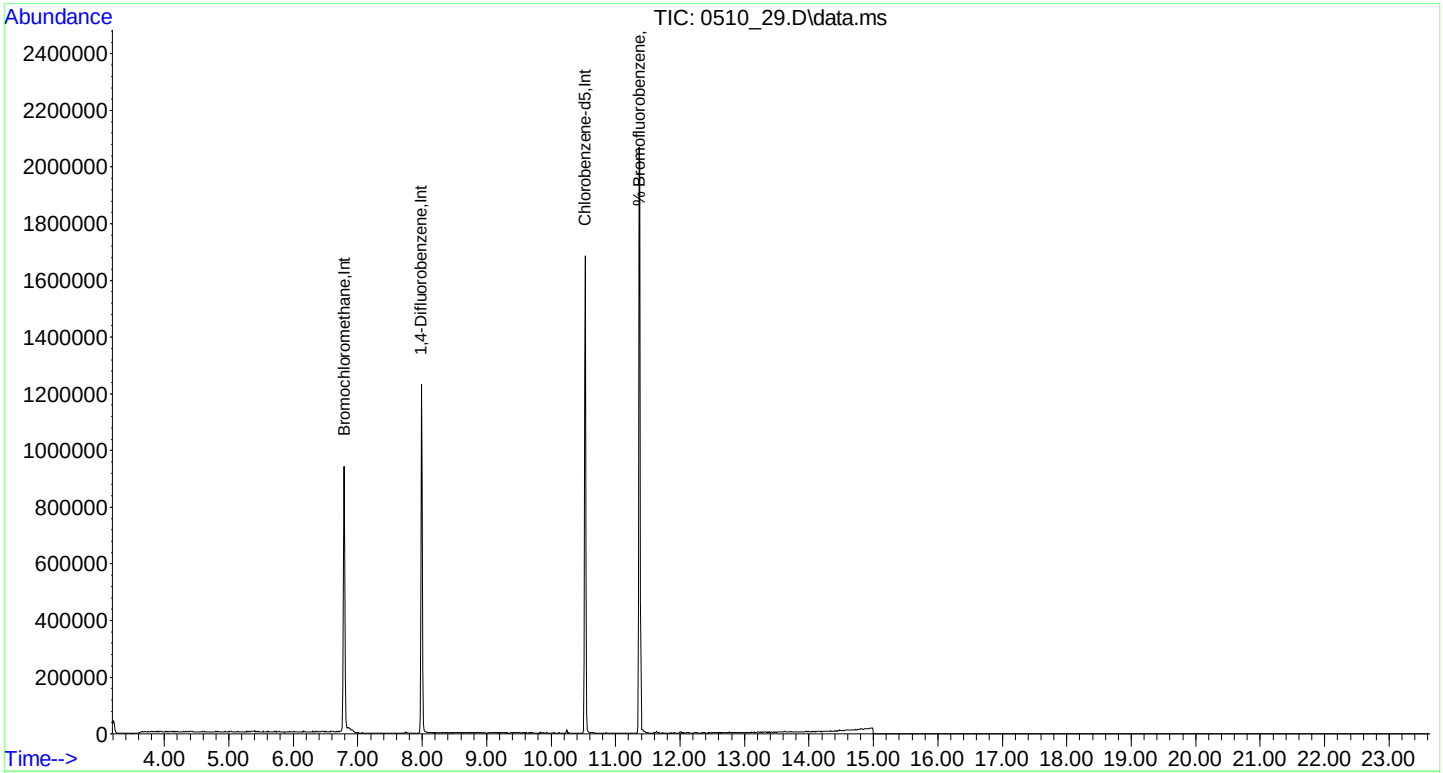
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Bromochloromethane	6.790	130	267813	10.000	ng		0.00
36) 1,4-Difluorobenzene	7.987	114	675131	10.000	ng		0.00
53) Chlorobenzene-d5	10.528	82	373898	10.000	ng		0.00
80) Bromochloromethane(sim)	6.796	130	291750	10.000	ng	#	0.00
94) 1,4-Difluorobenzene(sim)	7.993	114	773055	10.000	ng		0.00
104) Chlorobenzene-d5(sim)	10.523	82	420386	10.000	ng		0.00
System Monitoring Compounds							
62) % Bromofluorobenzene	11.369	95	521499	10.319	ppbv		0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 103.20%				
Target Compounds							Qvalue

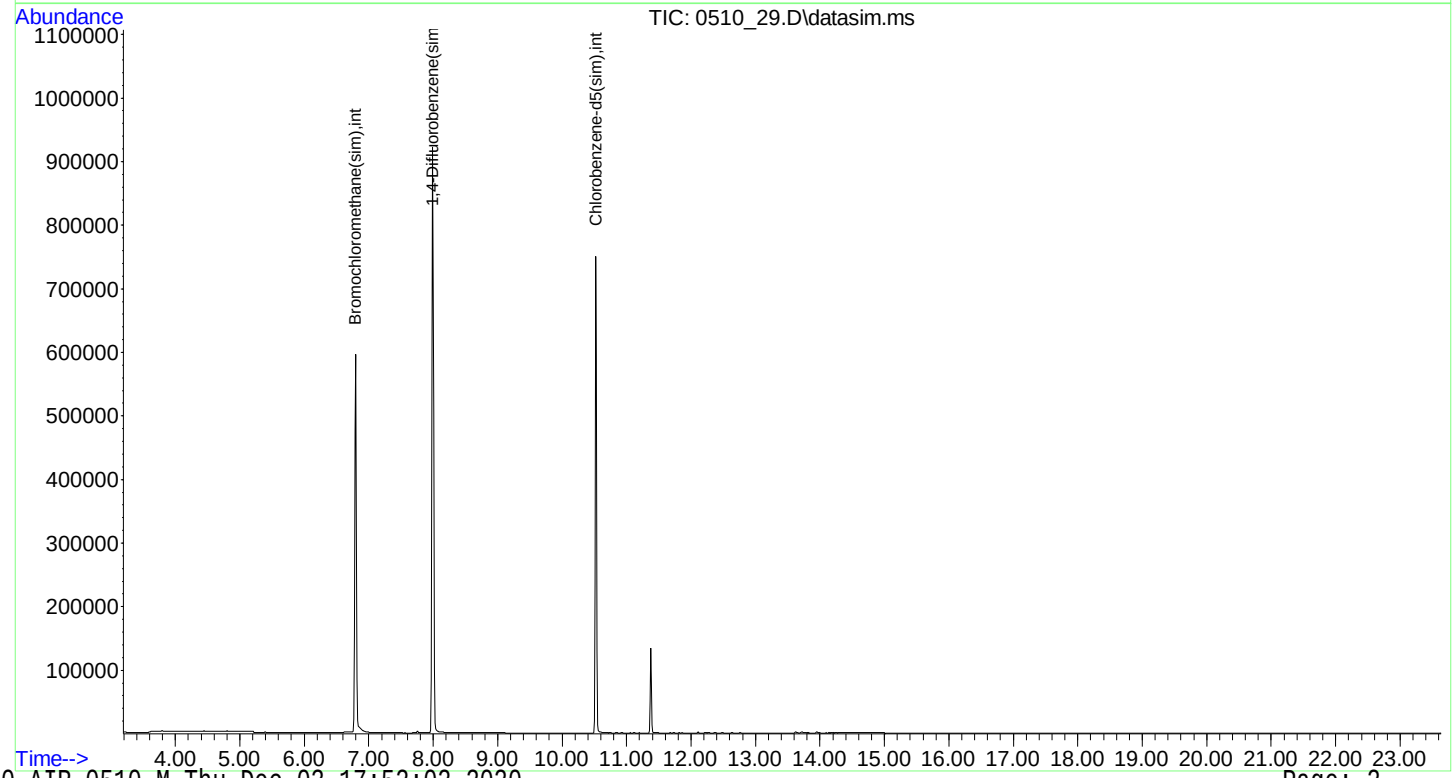
(#)out of range (m)manual integration reviewed by analyst (+)signals summed

Quantitation Report (QT Reviewed)

Data Path : H:\AIR2020\CHEM20\05MAY\10\
Data File : 0510_29.D
Acq On : 11 May 2020 1:54 pm
Operator :
Client ID : CANISTER BLK 23352
Lab ID : CANISTER BLK 23352
ALS Vial : 30 Sample Multiplier: 1

Quant Time: May 11 13:43:29 2020
Quant Method : H:\AIR2020\CHEM20\METHODS\20_AIR_0510.M
Quant Title : VOA Standards for 5 point calibration
QLast Update : Mon May 11 08:38:18 2020
Response via : Initial Calibration





Injection Log

Data Directory: H:\AIR2020\CHEM20\05MAY\10\

Line	Vl	FileName	SampleName	MiscInfo	Injection Time
1)	0	0511_28.D	xxxxxxxxxx		N/A
2)	3	0510_01.D	xxxxxxxxxx		05/10/20 17:24
3)	3	0510_02.D	xxxxxxxxxx		05/10/20 18:00
4)	4	0510_03.D	xxxxxxxxxx		05/10/20 18:36
5)	5	0510_04.D	xxxxxxxxxx		05/10/20 19:12
6)	6	0510_05.D	xxxxxxxxxx		05/10/20 19:48
7)	7	0510_06.D	xxxxxxxxxx		05/10/20 20:27
8)	8	0510_07.D	xxxxxxxxxx		05/10/20 21:05
9)	9	0510_08.D	xxxxxxxxxx		05/10/20 21:41
10)	10	0510_09.D	xxxxxxxxxx		05/10/20 22:19
11)	11	0510_10.D	xxxxxxxxxx		05/10/20 22:58
12)	12	0510_11.D	xxxxxxxxxx		05/10/20 23:33
13)	13	0510_12.D	xxxxxxxxxx		05/11/20 0:09
14)	14	0510_13.D	xxxxxxxxxx		05/11/20 0:46
15)	15	0510_14.D	xxxxxxxxxx		05/11/20 1:23
16)	16	0510_15.D	xxxxxxxxxx		05/11/20 2:01
17)	17	0510_16.D	xxxxxxxxxx		05/11/20 2:36
18)	18	0510_17.D	xxxxxxxxxx		05/11/20 3:10
19)	19	0510_18.D	xxxxxxxxxx		05/11/20 6:49
20)	20	0510_19.D	xxxxxxxxxx		05/11/20 7:28
21)	21	0510_20.D	xxxxxxxxxx		05/11/20 8:06
22)	22	0510_21.D	xxxxxxxxxx		05/11/20 8:45
23)	23	0510_22.D	xxxxxxxxxx		05/11/20 9:23
24)	24	0510_23.D	xxxxxxxxxx		05/11/20 10:02
25)	25	0510_24.D	xxxxxxxxxx		05/11/20 10:41
26)	26	0510_25.D	CANISTER BLK 6L ind #2858	CANISTER BLK 6L ind	05/11/20 11:20
27)	27	0510_26.D	xxxxxxxxxx		05/11/20 11:58
28)	28	0510_27.D	xxxxxxxxxx		05/11/20 12:37
29)	29	0510_28.D	xxxxxxxxxx		05/11/20 13:16
30)	30	0510_29.D	CANISTER BLK 23352	CANISTER BLK 23352	05/11/20 13:54
31)	31	0510_30.D	xxxxxxxxxx		05/11/20 14:46
32)	32	0510_31.D	xxxxxxxxxx		05/11/20 15:26
33)	33	0510_32.D	xxxxxxxxxx		05/11/20 16:04
34)	34	0510_33.D	xxxxxxxxxx		05/11/20 16:44
35)	35	0510_34.D	xxxxxxxxxx		05/11/20 17:23
36)	36	0510_35.D	xxxxxxxxxx		05/11/20 18:03
37)	37	0510_36.D	xxxxxxxxxx		05/11/20 18:43
38)	38	0510_37.D	xxxxxxxxxx		05/11/20 19:22
39)	39	0510_38.D	xxxxxxxxxx		05/11/20 20:02
40)	40	0510_39.D	xxxxxxxxxx		05/12/20 0:59
41)	41	0510_40.D	xxxxxxxxxx		05/12/20 1:39
42)	42	0511_01.D	xxxxxxxxxx		05/12/20 2:16
43)	43	0511_02.D	xxxxxxxxxx		05/12/20 2:53
44)	44	0511_03.D	xxxxxxxxxx		05/12/20 3:31
45)	45	0511_04.D	xxxxxxxxxx		05/12/20 4:06
46)	46	0511_05.D	xxxxxxxxxx		05/12/20 4:40
47)	47	0511_06.D	xxxxxxxxxx		05/12/20 5:19
48)	48	0511_07.D	xxxxxxxxxx		05/12/20 5:58
49)	49	0511_08.D	xxxxxxxxxx		05/12/20 6:38
50)	50	0511_09.D	xxxxxxxxxx		05/12/20 7:17
51)	51	0511_10.D	xxxxxxxxxx		05/12/20 7:55
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53)	53	0511_12.D	xxxxxxxxxx		05/12/20 9:15
54)	54	0511_13.D	xxxxxxxxxx		05/12/20 9:55
55)	55	0511_14.D	xxxxxxxxxx		05/12/20 10:34
56)	56	0511_15.D	xxxxxxxxxx		05/12/20 11:13
57)	57	0511_16.D	xxxxxxxxxx		05/12/20 11:54
58)	58	0511_17.D	xxxxxxxxxx		05/12/20 12:36
59)	59	0511_18.D	xxxxxxxxxx		05/12/20 13:17
60)	60	0511_19.D	xxxxxxxxxx		05/12/20 14:13
61)	61	0511_20.D	xxxxxxxxxx		05/12/20 14:52
62)	62	0511_21.D	xxxxxxxxxx		05/12/20 15:31
63)	63	0511_22.D	xxxxxxxxxx		05/12/20 16:10
64)	64	0511_23.D	xxxxxxxxxx		05/12/20 16:49
65)	65	0511_24.D	xxxxxxxxxx		05/12/20 17:28
66)	66	0511_25.D	xxxxxxxxxx		05/12/20 18:07
67)	67	0511_26.D	xxxxxxxxxx		05/12/20 18:44
68)	68	0511_27.D	xxxxxxxxxx		05/12/20 19:21

Thu Dec 03 17:51:50 2020 Page 1

Injection Log

Data Directory: H:\AIR2020\CHEM20\06JUN\24\

Line	Vl	FileName	SampleName	MiscInfo	Injection Time
1)	33	0624_01.D	xxxxxxxxxx		06/24/20 11:28
2)	33	0624_02.D	xxxxxxxxxx		06/24/20 12:04
3)	33	0624_03.D	xxxxxxxxxx		06/24/20 12:43
4)	33	0624_04.D	xxxxxxxxxx		06/24/20 13:17
5)	33	0624_05.D	xxxxxxxxxx		06/24/20 13:52
6)	34	0624_06.D	xxxxxxxxxx		06/24/20 14:50
7)	35	0624_07.D	xxxxxxxxxx		06/24/20 15:29
8)	36	0624_08.D	xxxxxxxxxx		06/24/20 16:08
9)	37	0624_09.D	xxxxxxxxxx		06/24/20 16:47
10)	38	0624_10.D	xxxxxxxxxx		06/24/20 17:26
11)	39	0624_11.D	xxxxxxxxxx		06/24/20 18:05
12)	40	0624_12.D	xxxxxxxxxx		06/24/20 18:44
13)	41	0624_13.D	xxxxxxxxxx		06/24/20 19:23
14)	42	0624_14.D	xxxxxxxxxx		06/24/20 20:02
15)	43	0624_15.D	xxxxxxxxxx		06/24/20 20:41
16)	44	0624_16.D	CANISTER BLK 19859	CANISTER BLK 19859	06/24/20 21:20
17)	45	0624_17.D	xxxxxxxxxx		06/24/20 21:59
18)	46	0624_18.D	xxxxxxxxxx		06/24/20 22:37
19)	46	0624_19.D	xxxxxxxxxx		06/24/20 23:16
20)	47	0624_20.D	xxxxxxxxxx		06/24/20 23:55
21)	48	0624_21.D	CANISTER BLK 471	CANISTER BLK 471	06/25/20 0:33
22)	49	0624_22.D	xxxxxxxxxx		06/25/20 1:12
23)	50	0624_23.D	xxxxxxxxxx		06/25/20 1:50
24)	51	0624_24.D	xxxxxxxxxx		06/25/20 2:27
25)	52	0624_25.D	xxxxxxxxxx		06/25/20 3:04
26)	53	0624_26.D	xxxxxxxxxx		06/25/20 3:42
27)	54	0624_27.D	xxxxxxxxxx		06/25/20 4:16
28)	55	0624_28.D	xxxxxxxxxx		06/25/20 4:50
29)	56	0624_29.D	xxxxxxxxxx		06/25/20 9:52
30)	57	0624_30.D	xxxxxxxxxx		06/25/20 10:30
31)	58	0624_31.D	xxxxxxxxxx		06/25/20 11:09
32)	59	0624_32.D	xxxxxxxxxx		06/25/20 11:48
33)	60	0624_33.D	xxxxxxxxxx		06/25/20 12:27
34)	61	0624_34.D	xxxxxxxxxx		06/25/20 13:06
35)	62	0624_35.D	xxxxxxxxxx		06/25/20 13:46
36)	63	0624_36.D	xxxxxxxxxx		06/25/20 14:25
37)	64	0624_37.D	xxxxxxxxxx		06/25/20 15:04
38)	65	0624_38.D	xxxxxxxxxx		06/25/20 15:42
39)	66	0624_39.D	xxxxxxxxxx		06/25/20 16:21
40)	67	0624_40.D	xxxxxxxxxx		06/25/20 17:00
41)	68	0624_41.D	xxxxxxxxxx		06/25/20 17:39
42)	69	0624_42.D	xxxxxxxxxx		06/25/20 18:19
43)	70	0624_43.D	xxxxxxxxxx		06/25/20 19:00
44)	71	0624_44.D	xxxxxxxxxx		06/25/20 19:39
45)	72	0624_45.D	xxxxxxxxxx		06/25/20 20:18
46)	73	0624_46.D	xxxxxxxxxx		06/25/20 20:55

Injection Log

Data Directory: H:\AIR2020\CHEM20\07JUL\10\

Line	Vl	FileName	SampleName	MiscInfo	Injection Time
1)	0	0710_02.D	xxxxxxxxxx		N/A
2)	7	0710_01.D	xxxxxxxxxx		07/10/20 12:43
3)	9	0710_03.D	xxxxxxxxxx		07/10/20 13:52
4)	10	0710_04.D	xxxxxxxxxx		07/10/20 14:27
5)	8	0710_05.D	xxxxxxxxxx		07/10/20 15:02
6)	3	0710_06.D	xxxxxxxxxx		07/10/20 15:37
7)	4	0710_07.D	xxxxxxxxxx		07/10/20 16:13
8)	5	0710_08.D	xxxxxxxxxx		07/10/20 16:50
9)	6	0710_09.D	xxxxxxxxxx		07/10/20 17:26
10)	7	0710_10.D	xxxxxxxxxx		07/10/20 18:03
11)	8	0710_11.D	xxxxxxxxxx		07/10/20 18:41
12)	9	0710_12.D	xxxxxxxxxx		07/10/20 19:19
13)	10	0710_13.D	xxxxxxxxxx		07/10/20 19:55
14)	11	0710_14.D	xxxxxxxxxx		07/10/20 20:34
15)	12	0710_15.D	xxxxxxxxxx		07/10/20 21:13
16)	13	0710_16.D	xxxxxxxxxx		07/10/20 21:48
17)	14	0710_17.D	xxxxxxxxxx		07/10/20 22:24
18)	16	0710_18.D	xxxxxxxxxx		07/10/20 23:01
19)	17	0710_19.D	xxxxxxxxxx		07/10/20 23:40
20)	18	0710_21.D	xxxxxxxxxx		07/11/20 0:14
21)	19	0710_22.D	xxxxxxxxxx		07/11/20 0:49
22)	20	0710_23.D	xxxxxxxxxx		07/11/20 1:27
23)	21	0710_24.D	xxxxxxxxxx		07/11/20 2:07
24)	22	0710_25.D	xxxxxxxxxx		07/11/20 2:45
25)	23	0710_26.D	xxxxxxxxxx		07/11/20 3:24
26)	24	0710_27.D	xxxxxxxxxx		07/11/20 4:03
27)	25	0710_28.D	xxxxxxxxxx		07/11/20 4:42
28)	26	0710_29.D	CANISTER BLK 19854	CANISTER BLK 19854	07/11/20 5:20
29)	27	0710_30.D	xxxxxxxxxx		07/11/20 5:59
30)	28	0710_31.D	xxxxxxxxxx		07/11/20 6:38
31)	29	0710_32.D	xxxxxxxxxx		07/11/20 7:17
32)	30	0710_33.D	xxxxxxxxxx		07/11/20 7:56
33)	31	0710_34.D	xxxxxxxxxx		07/11/20 8:34
34)	32	0710_35.D	xxxxxxxxxx		07/11/20 9:13
35)	33	0710_36.D	xxxxxxxxxx		07/11/20 9:52
36)	34	0710_37.D	xxxxxxxxxx		07/11/20 10:30
37)	35	0710_38.D	xxxxxxxxxx		07/11/20 11:09
38)	36	0710_39.D	xxxxxxxxxx		07/11/20 11:46
39)	37	0710_40.D	xxxxxxxxxx		07/11/20 12:22

Injection Log

Data Directory: H:\AIR2020\CHEM20\07JUL\29\

Line	Vl	FileName	SampleName	MiscInfo	Injection Time
1)	0	0727_03.D	xxxxxxxxxx		N/A
2)	0	0729_32.D	xxxxxxxxxx		N/A
3)	9	0727_02.D	xxxxxxxxxx		07/29/20 19:06
4)	9	0729_01.D	xxxxxxxxxx		07/29/20 21:43
5)	10	0729_02.D	xxxxxxxxxx		07/29/20 22:17
6)	10	0729_03.D	xxxxxxxxxx		07/29/20 22:51
7)	3	0729_04.D	xxxxxxxxxx		07/29/20 23:27
8)	4	0729_05.D	xxxxxxxxxx		07/30/20 0:03
9)	5	0729_06.D	xxxxxxxxxx		07/30/20 0:39
10)	6	0729_07.D	xxxxxxxxxx		07/30/20 1:15
11)	7	0729_08.D	xxxxxxxxxx		07/30/20 1:51
12)	8	0729_09.D	xxxxxxxxxx		07/30/20 2:29
13)	9	0729_10.D	xxxxxxxxxx		07/30/20 3:07
14)	10	0729_11.D	xxxxxxxxxx		07/30/20 3:43
15)	11	0729_12.D	xxxxxxxxxx		07/30/20 4:21
16)	12	0729_13.D	xxxxxxxxxx		07/30/20 5:01
17)	13	0729_14.D	xxxxxxxxxx		07/30/20 5:36
18)	14	0729_15.D	xxxxxxxxxx		07/30/20 6:12
19)	16	0729_16.D	xxxxxxxxxx		07/30/20 6:49
20)	17	0729_17.D	xxxxxxxxxx		07/30/20 7:28
21)	18	0729_18.D	xxxxxxxxxx		07/30/20 8:02
22)	19	0729_19.D	xxxxxxxxxx		07/30/20 8:36
23)	20	0729_20.D	xxxxxxxxxx		07/30/20 13:31
24)	21	0729_21.D	CANISTER BLK 215	CANISTER BLK 215	07/30/20 14:10
25)	22	0729_22.D	CANISTER BLK 13639	CANISTER BLK 13639	07/30/20 14:49
26)	23	0729_23.D	xxxxxxxxxx		07/30/20 15:28
27)	24	0729_24.D	CANISTER BLK 19426	CANISTER BLK 19426	07/30/20 16:07
28)	25	0729_25.D	xxxxxxxxxx		07/30/20 16:46
29)	26	0729_26.D	xxxxxxxxxx		07/30/20 17:24
30)	27	0729_27.D	xxxxxxxxxx		07/30/20 18:03
31)	28	0729_28.D	CANISTER BLK 28571	CANISTER BLK 28571	07/30/20 18:42
32)	29	0729_29.D	CANISTER BLK 23350	CANISTER BLK 23350	07/30/20 19:21
33)	30	0729_30.D	xxxxxxxxxx		07/30/20 19:58
34)	31	0729_31.D	xxxxxxxxxx		07/30/20 20:35

Injection Log

Data Directory: H:\AIR2020\CHEM24\06JUN\18\

Line	Vl	FileName	SampleName	MiscInfo	Injection Time
1)	131	0618_01.D	xxxxxxxxxx		06/18/20 20:26
2)	132	0618_02.D	xxxxxxxxxx		06/18/20 20:59
3)	133	0618_03.D	xxxxxxxxxx		06/18/20 21:32
4)	134	0618_04.D	xxxxxxxxxx		06/18/20 22:09
5)	135	0618_05.D	xxxxxxxxxx		06/18/20 22:40
6)	136	0618_06.D	xxxxxxxxxx		06/18/20 23:10
7)	137	0618_07.D	xxxxxxxxxx		06/19/20 0:32
8)	138	0618_08.D	xxxxxxxxxx		06/19/20 1:05
9)	139	0618_09.D	xxxxxxxxxx		06/19/20 1:38
10)	140	0618_10.D	xxxxxxxxxx		06/19/20 2:10
11)	141	0618_11.D	xxxxxxxxxx		06/19/20 2:43
12)	142	0618_12.D	xxxxxxxxxx		06/19/20 3:15
13)	143	0618_13.D	xxxxxxxxxx		06/19/20 9:41
14)	144	0618_14.D	xxxxxxxxxx		06/19/20 10:17
15)	145	0618_15.D	xxxxxxxxxx		06/19/20 10:54
16)	146	0618_16.D	xxxxxxxxxx		06/19/20 11:31
17)	147	0618_17.D	xxxxxxxxxx		06/19/20 12:07
18)	148	0618_18.D	xxxxxxxxxx		06/19/20 12:44
19)	149	0618_19.D	xxxxxxxxxx		06/19/20 13:21
20)	150	0618_20.D	CANISTER BLK 11292	CANISTER BLK 11292	06/19/20 15:55
21)	151	0618_21.D	xxxxxxxxxx		06/19/20 16:32
22)	152	0618_22.D	xxxxxxxxxx		06/19/20 17:08
23)	153	0618_23.D	CANISTER BLK 28623	CANISTER BLK 28623	06/19/20 17:45
24)	154	0618_24.D	xxxxxxxxxx		06/19/20 18:21
25)	155	0618_25.D	CANISTER BLK 9767	CANISTER BLK 9767	06/19/20 18:58
26)	156	0619_01.D	xxxxxxxxxx		06/19/20 19:34
27)	157	0619_02.D	xxxxxxxxxx		06/19/20 20:08
28)	158	0619_03.D	xxxxxxxxxx		06/19/20 20:41
29)	159	0619_04.D	xxxxxxxxxx		06/19/20 21:18
30)	160	0619_05.D	xxxxxxxxxx		06/19/20 21:49
31)	161	0619_06.D	xxxxxxxxxx		06/19/20 22:20
32)	162	0619_07.D	xxxxxxxxxx		06/19/20 22:55
33)	163	0619_08.D	xxxxxxxxxx		06/19/20 23:30
34)	164	0619_09.D	xxxxxxxxxx		06/20/20 0:26
35)	165	0619_10.D	xxxxxxxxxx		06/20/20 1:03
36)	166	0619_11.D	xxxxxxxxxx		06/20/20 1:51
37)	168	0619_12.D	xxxxxxxxxx		06/20/20 3:31
38)	169	0619_13.D	xxxxxxxxxx		06/20/20 4:05
39)	170	0619_14.D	xxxxxxxxxx		06/20/20 4:38

Injection Log

Data Directory: H:\AIR2020\CHEM24\08AUG\10\

Line	Vl	FileName	SampleName	MiscInfo	Injection Time
1)	6	0810_01.D	xxxxxxxxxx		08/10/20 9:04
2)	5	0810_02.D	BFB TUNE	0/0	08/10/20 9:35
3)	7	0810_03.D	ICAL 0.02	0.02	08/10/20 10:07
4)	8	0810_04.D	ICAL 0.035	0.035	08/10/20 10:38
5)	9	0810_05.D	ICAL 0.05	0.05	08/10/20 11:10
6)	10	0810_06.D	ICAL 0.1	0.10	08/10/20 11:55
7)	11	0810_07.D	ICAL 0.5	0.5	08/10/20 12:32
8)	12	0810_08.D	ICAL 2.5	2.5	08/10/20 13:08
9)	13	0810_09.D	ICAL 5	5.0	08/10/20 13:40
10)	14	0810_10.D	ICAL 25	25	08/10/20 14:17
11)	15	0810_11.D	ICAL 40	40	08/10/20 14:56
12)	16	0810_12.D	xxxxxxxxxx		08/10/20 15:27
13)	17	0810_13.D	ICAL 1	1ppb	08/10/20 16:00
14)	18	0810_14.D	ICAL 0.2	0.2ppb	08/10/20 16:34
15)	19	0810_15.D	ICAL 10	10ppb	08/10/20 17:07
16)	20	0810_16.D	xxxxxxxxxx		08/10/20 17:43
17)	21	0810_17.D	xxxxxxxxxx		08/10/20 18:14
18)	22	0810_18.D	xxxxxxxxxx		08/10/20 18:46
19)	23	0810_19.D	xxxxxxxxxx		08/10/20 19:22
20)	24	0810_20.D	xxxxxxxxxx		08/10/20 19:59
21)	25	0810_21.D	xxxxxxxxxx		08/10/20 20:32
22)	26	0810_22.D	xxxxxxxxxx		08/10/20 21:04
23)	27	0810_23.D	xxxxxxxxxx		08/10/20 21:37
24)	28	0810_24.D	xxxxxxxxxx		08/10/20 22:09
25)	29	0810_25.D	xxxxxxxxxx		08/10/20 22:46
26)	30	0810_26.D	xxxxxxxxxx		08/10/20 23:23
27)	31	0810_27.D	xxxxxxxxxx		08/10/20 23:59
28)	32	0810_28.D	xxxxxxxxxx		08/11/20 0:43
29)	33	0810_29.D	xxxxxxxxxx		08/11/20 1:58
30)	34	0810_30.D	xxxxxxxxxx		08/11/20 2:35
31)	35	0810_31.D	xxxxxxxxxx		08/11/20 3:16
32)	36	0810_32.D	xxxxxxxxxx		08/11/20 8:59
33)	37	0810_33.D	xxxxxxxxxx		08/11/20 9:57
34)	38	0811_01.D	xxxxxxxxxx		08/11/20 10:30
35)	39	0811_02.D	xxxxxxxxxx		08/11/20 11:04
36)	40	0811_03.D	xxxxxxxxxx		08/11/20 11:40
37)	41	0811_04.D	xxxxxxxxxx		08/11/20 12:11
38)	42	0811_05.D	xxxxxxxxxx		08/11/20 12:42
39)	43	0811_06.D	xxxxxxxxxx		08/11/20 18:54
40)	44	0811_07.D	xxxxxxxxxx		08/11/20 19:31
41)	45	0811_08.D	xxxxxxxxxx		08/11/20 20:07
42)	46	0811_09.D	xxxxxxxxxx		08/11/20 20:40
43)	47	0811_10.D	xxxxxxxxxx		08/11/20 21:12
44)	48	0811_11.D	xxxxxxxxxx		08/11/20 21:45
45)	49	0811_12.D	xxxxxxxxxx		08/11/20 22:26
46)	50	0811_13.D	xxxxxxxxxx		08/11/20 23:03
47)	51	0811_14.D	xxxxxxxxxx		08/11/20 23:40
48)	52	0811_15.D	xxxxxxxxxx		08/12/20 0:25

Injection Log

Data Directory: H:\AIR2020\CHEM24\08AUG\18\

Line	Vl	FileName	SampleName	MiscInfo	Injection Time
1)	132	0818_01.D	xxxxxxxxxx		08/18/20 11:05
2)	134	0818_02.D	xxxxxxxxxx		08/18/20 11:39
3)	135	0818_03.D	xxxxxxxxxx		08/18/20 12:13
4)	136	0818_04.D	xxxxxxxxxx		08/18/20 12:50
5)	138	0818_05.D	xxxxxxxxxx		08/18/20 13:22
6)	138	0818_06.D	xxxxxxxxxx		08/18/20 13:54
7)	132	0818_07.D	xxxxxxxxxx		08/18/20 18:16
8)	133	0818_08.D	BFB TUNE - CCAL 1	1.0ppb cc - 1.0ppb	08/18/20 19:50
9)	134	0818_09.D	xxxxxxxxxx		08/18/20 20:24
10)	135	0818_10.D	CG56077 LCS	CG56077 LCS	08/18/20 21:01
11)	136	0818_11.D	CG56077 LCSD	CG56077 LCSD	08/18/20 21:38
12)	137	0818_12.D	xxxxxxxxxx		08/18/20 22:09
13)	138	0818_13.D	CG56077 BLANK	CG56077 BLANK	08/18/20 22:40
14)	139	0818_14.D	FB-01 (FIELD BLANK)	CG56071	08/18/20 23:21
15)	140	0818_15.D	IA-03 (MANUFACTURING-W)	CG56072	08/19/20 0:01
16)	141	0818_16.D	IA-08 (BASEMENT-N)	CG56073	08/19/20 0:42
17)	142	0818_17.D	IA-07 (BASEMENT-S)	CG56074	08/19/20 1:23
18)	143	0818_18.D	IA-01 (OFFICE)	CG56075	08/19/20 2:04
19)	144	0818_19.D	AA-01	CG56076	08/19/20 2:45
20)	145	0818_20.D	IA-02 (MANUF. E)	CG56077	08/19/20 3:26
21)	146	0818_21.D	IA-02 (MANUF. E) DUP	CG56077 DUP	08/19/20 4:06
22)	147	0818_22.D	IA-04 (COMMON AREA)	CG56078	08/19/20 4:46
23)	148	0818_23.D	IA-05 (STORAGE)	CG56079	08/19/20 5:27
24)	149	0818_24.D	IA-06 (FUTURE COMMON AREA	CG56080	08/19/20 6:08
25)	150	0818_25.D	IA-09 (SUBBASEMENT ROOM)	CG56081	08/19/20 8:24
26)	151	0818_26.D	IA-10 (SUBBASEMENT STAIRS	CG56082	08/19/20 9:05
27)	152	0818_27.D	IA-DUP	CG56083	08/19/20 9:45
28)	153	0818_28.D	xxxxxxxxxx		08/19/20 10:18
29)	154	0818_29.D	xxxxxxxxxx		08/19/20 11:29

APPENDIX E
DATA USABILITY SUMMARY REPORT (MARCH 2021)

Building 745 (334) QD Industries
Indoor Air Quality Sampling Data
Usability Summary Report

at

iPark 84
Former IBM East Fishkill Facility

March 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

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PROACTIVE SOLUTIONS SINCE 1995

Data Usability Summary Report

Indoor Air Quality Investigation
iPark 84, Former IBM East Fishkill Facility
Building 745 (formerly Building 334) – QD Industries

This Data Usability Summary Report (DUSR) has been prepared to validate the results of air sampling conducted in Building 745 (formerly Building 334) at the above-referenced facility. This sampling was conducted on August 17, 2020 in support of a pre-occupancy evaluation. Walden performed the sampling in accordance with the indoor air quality testing plan (dated July 9, 2020) and the conditional approval letter (dated July 23, 2020) received from the New York State Department of Environmental Conservation (NYSDEC) following NYSDEC and New York State Department of Health (NYSDOH) review of the Work Plan.

A summary of the QD Industries Building 745 (formerly Building 334) sampling results was submitted to NYSDEC and NYSDOH in a report dated September 8, 2020. NYSDEC approved occupancy of the QD Industries Building 745 (formerly Building 334) Space in a letter dated September 25, 2020.

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 Mr. Lawrence Zeman (Walden), whose experience and qualifications to prepare the DUSR for this project are presented in the attached resume (see Attachment A). The air samples collected for laboratory analysis were submitted to Phoenix Environmental Laboratories, Inc. (Phoenix) of Manchester, NH, a NYSDOH Environmental Laboratory Approval Program (ELAP) certified laboratory (NY Lab Registration #11301), and analyzed for volatile organic compounds (VOCs) via U.S. Environmental Protection Agency (USEPA) Modified Method TO-15 with the analytical detection limits set forth in the NYSDEC approved indoor air quality testing plan approved on July 23, 2020. The DUSR process consisted of evaluating the analytical data package produced by Phoenix and answering the following questions.

1. **Were there any deviations in the sampling protocol which deviated from established sampling procedures?**

   The air samples were collected in laboratory provided individually certified, 6-liter Summa® canisters equipped with individually certified flow regulators. The regulators were calibrated by the laboratory for a sampling period of 8 hours; this sampling duration was chosen in accordance with NYSDOH guidance for indoor air sampling of a commercial workspace with a single shift, to reflect the typical exposure scenario. The regulators served to maintain flow rates below the required maximum rate of 0.2 liters (200 milliliters) per minute during the sampling period to minimize outdoor air infiltration.

2. **Is the data package complete as defined under the requirements for the NYSDEC ASP Category B or USEPA CLP deliverables?**

   The sampling and analytical program outlined in Building 745 (formerly Building 334) *Indoor Air Quality Testing Plan* was designed to conform to the NYSDEC ASP Category B and USEPA CLP deliverables criteria. Both field sampling and laboratory analytical activities were performed with built-in QA/QC programs. Duplicate samples were collected at a minimum of one (1) sample per ten (10) samples collected. The analytical laboratory (Phoenix) included method blanks and batch QA/QC samples as part of their standard QA/QC program. Additionally, the samples were handled in compliance with the holding time allowances.

3. **Have all holding times been met?**

   Times of sample receipt, extraction, and analysis have been evaluated to determine whether the holding time specifications have been met. All of the samples were analyzed within the specified holding times.

4. **Do all QC data (blanks, instrument tunings, calibration standards, calibration verifications, surrogate recoveries, spike recoveries, replicate analyses, laboratory controls, and sample data) fall within the protocol-required limits and specifications?**

   All of the primary sample and QC data were reviewed. Duplicate sample analysis demonstrated a reasonable level of accuracy in the analytical results, and all of the QA/QC data met the protocol-required criteria with the exception as noted below.

   - One Lab Control Sample Duplicate (LCSD) analyte, Dichlorodifluoromethane exceeded the established recovery limit.
   - The Field Blank sample had seven (7) analytes above the method detection limit.

In summary, although one (1) LCSD analyte exceeded the limit and seven Field Blank analytes exceeded the method detection limits, all other QA/QC acceptance criteria was meet and the reliability of the laboratory results should not be affected.

5. **Have all the data been generated using established and agreed upon analytical protocols?**

Laboratory analytical protocols have been developed by the USEPA and are published in USEPA Compendium of Methods for the Determination of Toxic Organic Compounds in Ambient Air: Method TO-15 (Second Edition, January 1999). The review of the laboratory deliverables indicated that the analytical data for this project was generated following these standard protocols.

6. **Does an evaluation of the raw data confirm the results provided in the data summary sheets and quality control verification forms?**

An evaluation of the raw data confirmed the accuracy of the results provided in the data summary sheets and the quality control verification forms included in the analytical data package prepared by the laboratory.

7. **Have the correct data qualifiers been used?**

The laboratory provided a list of qualifiers used in their data reporting. QC failures such as potential sample contamination by laboratory solvents or estimation of sample result values due to analyte concentrations detected above calibration ranges were checked back to the reported data to determine whether the qualifiers were properly used. The evaluation indicated that the laboratory flagged the data using the correct data qualifiers when necessary. The data qualifiers comply with the NYSDEC Analytical Services Protocol (ASP) 95 revised guidelines.

8. **Have the minimum reporting limits been met?**

The minimum reporting limits specified in the NYSDEC approved "*Indoor Air Quality Testing Plan"* are as follows:

ANALYTE LIST	MINIMUM REPORTING LIMIT (ug/m^3)
1,1,1-Trichloroethane	1.1
1,1-Dichloroethene	0.8
1,2,4-Trichlorobenzene	7.4
1,2-Dichlorobenzene	1.2
1,3-Dichlorobenzene	1.2
1,4-Dichlorobenzene	1.2

Acetone	2.4
Benzene	0.64
Carbon Tetrachloride	0.2
Chlorobenzene	0.92
Cis-1,2-Dichloroethene	0.8
Dichlorodifluoromethane	1.0
Ethylbenzene	0.86
m,p-Xylene	0.86
Methylene Chloride	1.4
o-Xylene	0.86
Tetrachloroethene	1.4
Toluene	0.77
Trichloroethene	0.22
Trichlorofluoromethane	1.1
Trichlorotrifluoroethane	1.5
Vinyl Chloride	0.06

All reportable VOCs meet the minimum required reporting limits for all samples collected at Building 745 (formerly Building 334) on August 17, 2020.

Summary

In summary, the analytical data package review conducted when preparing this DUSR found no data deficiencies, analytical protocol deviations, or quality control problems that impact the quality of the data. No significant QC exceedances were identified and it was determined that none of the data should be rejected.

Prepared by:

Lawrence Zeman

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Attachment A

Resume of Environmental Professional

Lawrence F. Zeman

Project Scientist II

Lawrence has 20 years of environmental and lab consulting experience, taking on difficult laboratory issues and QA/QC. He is very well versed in areas as diverse as regulatory compliance, test protocol development and implementation, management of instrument repair and maintenance, field inspections and on-site audits, correlation studies of various analyses and engineering/technical reporting.

EDUCATION

B.A. Biology, Minor in Chemistry Queens College

LICENSES/ CERTIFICATIONS

New York State ELAP Laboratory Director

New York State ELAP Laboratory Microbiology Assistant Director

New York Department of Health Laboratory Technologist

OSHA HAZWOPER 40-hour & OSHA 10-hour Certified

SELECTED RELEVANT EXPERIENCE

Various Clients, New York

- Performed sample collection of various sample types at industrial facilities and construction & remediation project sites;
  Conducted soil sample collection, field activities oversight and continuous air monitoring for Community Air Monitoring Program (CAMP) in accordance with DER-10 as follows:
  - Elmhurst Tank Park & Playground, Queens, NY (2009 – 2011);
  - Calvert Vaux Park and Athletic Fields, Brooklyn, NY (2009 – 2011), as an Independent Environmental Monitor (IEM) on-site technician;
  - Harlem Rive Greenway, Bronx, NY (2011 – 2012);
  - Beach Channel H.S. Athletic Fields (2016);
  - P.S. 63M William McKinley School, Manhattan, NY (2016);
  - P.S. 131 Abigail Adams Public School, Queens, NY (2017);
  - Forest Hills High School, Queens, NY (2017)
- Developed and implemented new testing protocols and test procedures;
- Conducted instrumentation repair and scheduled maintenance;
- Conducted correlation studies of various analytic procedures;
- Verified laboratory Quality Assurance and Quality Control procedures and data;
- Responsible for regulatory compliance and quality control;
- Prepared and submitted facilities' annual Zoning Performance Standards Compliance Reports, including noise, vibration, odor and opacity testing for DSNY permit renewal;
- Provided environmental services to ensure compliance for facility's NYS DEC Title V Air Facility Permit. Completed monthly, semi-annual and annual compliance reports;
- Conducted field Inspections and on-site audits;
- Preformed field measurements and recording of Noise and Vibration;
- Prepared Engineering & Technical Reports;
- Prepared New York City Community Right-To-Know Law and SARA reports for Industrial facilities