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Cover Page

Order ID : P4675

Project ID : Harrington School

Client : Kleinfelder

Lab Sample Number	Client Sample Number
P4675-01	COMP-1
P4675-02	COMP-2
P4675-03	COMP-3
P4675-04	COMP-4
P4675-05	COMP-5
P4675-06	COMP-6

I certify that the data package is in compliance with the terms and conditions of the contract,both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hard copy data package has been authorized by the laboratory manager or his designee, as verified by the following signature.

Signature : _____

Date: 11/11/2024

NYDOH CERTIFICATION NO - 11376

NJDEP CERTIFICATION NO - 20012

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DATA REPORTING QUALIFIERS- ORGANIC

For reporting results, the following " Results Qualifiers" are used:

Value	If the result is a value greater than or equal to the detection limit, report the value
U	Indicates the compound was analyzed for but was not detected. Report the minimum detection limit for the sample with the U, i.e. "10 U". This is not necessarily the instrument detection limit attainable for this particular sample based on any concentration or dilution that may have been required.
ND	Indicates the analyte was analyzed for, but not detected
J	Indicates an estimated value**.** This flag is used: (1) When estimating a concentration for a tentatively identified compound (library search hits, where a 1:1 response is assumed.) (2) When the mass spectral data indicated the identification, however the result was less than the specified detection limit greater than zero. If the detection limit was 10ug/L and a concentration of 3 ug/L was calculated report as 3 J. This is flag is used when similar situation arise on any organic parameter i.e. Pest, PCB and others.
B	Indicates the analyte was found in the blank as well as the sample report as "12 B".
E	Indicates the analyte 's concentration exceeds the calibrated range of the instrument for that specific analysis.
D	This flag identifies all compounds identified in an analysis at a secondary dilution factor.
P	This flag is used for Pesticide/PCB target analyte when there is >25% difference for detected concentrations between the two GC columns. The lower of the two values is reported on Form 1 and flagged with a "P".
N	This flag indicates presumptive evidence of a compound. This is only used for tentatively identified compounds (TICs), where the identification is based on a mass spectral library search. It applies to all TIC results. For generic characterization of a TIC, such as chlorinated hydrocarbon, the flag is not used.
A	This flag indicates that a Tentatively Identified Compound is a suspected aldol-condensation product.
Q	Indicates the LCS did not meet the control limits requirements

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APPENDIX A

QA REVIEW GENERAL DOCUMENTATION

Project #: **P4675**

	Completed
For thorough review, the report must have the following:	
GENERAL:	
Are all original paperwork present (chain of custody, record of communication,airbill, sample management lab chronicle, login page)	✓
Check chain-of-custody for proper relinquish/return of samples	✓
Is the chain of custody signed and complete	✓
Check internal chain-of-custody for proper relinquish/return of samples /sample extracts	✓
Collect information for each project id from server. Were all requirements followed	✓
COVER PAGE:	
Do numbers of samples correspond to the number of samples in the Chain of Custody on login page	✓
Do lab numbers and client Ids on cover page agree with the Chain of Custody	✓
CHAIN OF CUSTODY:	
Do requested analyses on Chain of Custody agree with form I results	✓
Do requested analyses on Chain of Custody agree with the log-in page	✓
Were the correct method log-in for analysis according to the Analytical Request and Chain of Castody	✓
Were the samples received within hold time	✓
Were any problems found with the samples at arrival recorded in the Sample Management Laboratory Chronicle	✓
ANALYTICAL:	
Was method requirement followed?	✓
Was client requirement followed?	✓
Does the case narrative summarize all QC failure?	✓
All runlogs and manual integration are reviewed for requirements	✓
All manual calculations and /or hand notations verified	✓

QA Review Signature: **PRADIP PRAJAPATI** **Date:** **11/11/2024**

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LAB CHRONICLE

OrderID:	P4675	**OrderDate:**	11/1/2024 11:22:00 AM
Client:	Kleinfelder	**Project:**	Harrington School
Contact:	Mark Warchol	**Location:**	K41,VOA Ref. #2 Soil

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
P4675-01	**COMP-1**	**SOIL**			**10/31/24**			**11/01/24**
			VOCMS Group1	8260D			11/04/24	
P4675-02	**COMP-2**	**SOIL**			**10/31/24**			**11/01/24**
			VOCMS Group1	8260D			11/04/24	
P4675-03	**COMP-3**	**SOIL**			**10/31/24**			**11/01/24**
			VOCMS Group1	8260D			11/04/24	
P4675-04	**COMP-4**	**SOIL**			**10/31/24**			**11/01/24**
			VOCMS Group1	8260D			11/04/24	
P4675-05	**COMP-5**	**SOIL**			**10/31/24**			**11/01/24**
			VOCMS Group1	8260D			11/04/24	
P4675-06	**COMP-6**	**SOIL**			**10/31/24**			**11/01/24**
			VOCMS Group1	8260D			11/04/24	

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Hit Summary Sheet
SW-846

SDG No.: P4675

Client: Kleinfelder

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units

Client ID:

0

Total Voc :

Total Concentration:

QC SUMMARY

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Surrogate Summary

SDG No.: P4675

Client: Kleinfelder

Analytical Method: SW8260D

Lab Sample ID	Client ID	Parameter	Spike	Result	RecoveryQual	Limits Low	Limits High
P4675-01	COMP-1	1,2-Dichloroethane-d4	50	58.8	118	50	163
		Dibromofluoromethane	50	53.5	107	54	147
		Toluene-d8	50	49.4	99	58	134
		4-Bromofluorobenzene	50	46.0	92	29	146
P4675-02	COMP-2	1,2-Dichloroethane-d4	50	59.8	120	50	163
		Dibromofluoromethane	50	52.3	105	54	147
		Toluene-d8	50	49.3	99	58	134
		4-Bromofluorobenzene	50	47.7	95	29	146
P4675-03	COMP-3	1,2-Dichloroethane-d4	50	56.8	113	50	163
		Dibromofluoromethane	50	52.3	105	54	147
		Toluene-d8	50	50.0	100	58	134
		4-Bromofluorobenzene	50	46.8	94	29	146
P4675-04	COMP-4	1,2-Dichloroethane-d4	50	64.3	129	50	163
		Dibromofluoromethane	50	54.3	109	54	147
		Toluene-d8	50	49.9	100	58	134
		4-Bromofluorobenzene	50	48.5	97	29	146
P4675-05	COMP-5	1,2-Dichloroethane-d4	50	60.8	122	50	163
		Dibromofluoromethane	50	53.9	108	54	147
		Toluene-d8	50	48.7	97	58	134
		4-Bromofluorobenzene	50	43.0	86	29	146
P4675-06	COMP-6	1,2-Dichloroethane-d4	50	57.0	114	50	163
		Dibromofluoromethane	50	52.8	105	54	147
		Toluene-d8	50	49.9	100	58	134
		4-Bromofluorobenzene	50	46.3	93	29	146
VY1104SBL01	VY1104SBL01	1,2-Dichloroethane-d4	50	50.9	102	50	163
		Dibromofluoromethane	50	49.7	99	54	147
		Toluene-d8	50	48.6	97	58	134
		4-Bromofluorobenzene	50	40.5	81	29	146
VY1104SBS01	VY1104SBS01	1,2-Dichloroethane-d4	50	54.6	109	50	163
		Dibromofluoromethane	50	54.8	110	54	147
		Toluene-d8	50	54.6	109	58	134
		4-Bromofluorobenzene	50	54.1	108	29	146
VY1104SBSD01	VY1104SBSD01	1,2-Dichloroethane-d4	50	57.4	115	50	163
		Dibromofluoromethane	50	56.8	114	54	147
		Toluene-d8	50	56.6	113	58	134
		4-Bromofluorobenzene	50	54.9	110	29	146

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: P4675

Client: Kleinfelder

Analytical Method: SW8260D **Datafile :** VY020135.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VY1104SBS01	cis-1,2-Dichloroethene	20	21.1	ug/Kg	106			82	123	
	1,1,1-Trichloroethane	20	21.2	ug/Kg	106			80	126	
	Benzene	20	20.7	ug/Kg	104			84	121	
	Trichloroethene	20	20.8	ug/Kg	104			83	122	
	Toluene	20	20.9	ug/Kg	104			83	122	
	Ethyl Benzene	20	20.7	ug/Kg	104			82	124	
	m/p-Xylenes	40	41.3	ug/Kg	103			83	124	
	o-Xylene	20	20.8	ug/Kg	104			83	123	
	Isopropylbenzene	20	21.3	ug/Kg	106			82	124	

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: P4675

Client: Kleinfelder

Analytical Method: SW8260D **Datafile :** VY020136.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	Limits RPD
VY1104SBSD01	cis-1,2-Dichloroethene	20	23.8	ug/Kg	119	12		82	123	20
	1,1,1-Trichloroethane	20	24.0	ug/Kg	120	12		80	126	20
	Benzene	20	23.4	ug/Kg	117	12		84	121	20
	Trichloroethene	20	23.4	ug/Kg	117	12		83	122	20
	Toluene	20	23.1	ug/Kg	116	11		83	122	20
	Ethyl Benzene	20	23.4	ug/Kg	117	12		82	124	20
	m/p-Xylenes	40	46.9	ug/Kg	117	13		83	124	20
	o-Xylene	20	23.1	ug/Kg	116	11		83	123	20
	Isopropylbenzene	20	24.0	ug/Kg	120	12		82	124	20

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VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VY1104SBL01

Lab Name: CHEMTECH Contract: POWE02

Lab Code: CHEM Case No.: P4675 SAS No.: P4675 SDG NO.: P4675

Lab File ID: VY020134.D Lab Sample ID: VY1104SBL01

Date Analyzed: 11/04/2024 Time Analyzed: 11:01

GC Column: RXI-624 ID: 0.25 (mm) Heated Purge: (Y/N) Y

Instrument ID: MSVOA_Y

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
VY1104SBS01	VY1104SBS01	VY020135.D	11/04/2024
VY1104SBSD01	VY1104SBSD01	VY020136.D	11/04/2024
COMP-1	P4675-01	VY020141.D	11/04/2024
COMP-2	P4675-02	VY020142.D	11/04/2024
COMP-3	P4675-03	VY020143.D	11/04/2024
COMP-6	P4675-06	VY020144.D	11/04/2024
COMP-5	P4675-05	VY020145.D	11/04/2024
COMP-4	P4675-04	VY020146.D	11/04/2024

COMMENTS:

Raw Data: **VY020074.D**

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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: POWE02

Lab Code: CHEM Case No.: P4675 SAS No.: P4675 SDG NO.: P4675

Lab File ID: VY020074.D BFB Injection Date: 10/30/2024

Instrument ID: MSVOA_Y BFB Injection Time: 12:07

GC Column: RXI-624 ID: 0.25 (mm) Heated Purge: Y/N Y

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	24
75	30.0 - 60.0% of mass 95	57.2
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.6
173	Less than 2.0% of mass 174	1.1 (1.4) 1
174	50.0 - 100.0% of mass 95	74.5
175	5.0 - 9.0% of mass 174	5.8 (7.8) 1
176	95.0 - 101.0% of mass 174	70.8 (95.1) 1
177	5.0 - 9.0% of mass 176	4.9 (6.9) 2

1-Value is % mass 174

2-Value is % mass 176

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDICC005	VSTDICC005	VY020075.D	10/30/2024	12:39
VSTDICC010	VSTDICC010	VY020076.D	10/30/2024	13:02
VSTDICC020	VSTDICC020	VY020077.D	10/30/2024	13:24
VSTDICCC050	VSTDICCC050	VY020078.D	10/30/2024	14:06
VSTDICC100	VSTDICC100	VY020079.D	10/30/2024	14:29
VSTDICC150	VSTDICC150	VY020080.D	10/30/2024	14:52

Raw Data: **VY020132.D**

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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: POWE02

Lab Code: CHEM Case No.: P4675 SAS No.: P4675 SDG NO.: P4675

Lab File ID: VY020132.D BFB Injection Date: 11/04/2024

Instrument ID: MSVOA_Y BFB Injection Time: 08:51

GC Column: RXI-624 ID: 0.25 (mm) Heated Purge: Y/N Y

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	23.7
75	30.0 - 60.0% of mass 95	59.4
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	7.3
173	Less than 2.0% of mass 174	1 (1.4) 1
174	50.0 - 100.0% of mass 95	74.5
175	5.0 - 9.0% of mass 174	5.9 (7.9) 1
176	95.0 - 101.0% of mass 174	72.4 (97.3) 1
177	5.0 - 9.0% of mass 176	4.7 (6.5) 2

1-Value is % mass 174 2-Value is % mass 176

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDCCC050	VSTDCCC050	VY020133.D	11/04/2024	09:42
VY1104SBL01	VY1104SBL01	VY020134.D	11/04/2024	11:01
VY1104SBS01	VY1104SBS01	VY020135.D	11/04/2024	11:38
VY1104SBSD01	VY1104SBSD01	VY020136.D	11/04/2024	12:13
COMP-1	P4675-01	VY020141.D	11/04/2024	14:36
COMP-2	P4675-02	VY020142.D	11/04/2024	15:00
COMP-3	P4675-03	VY020143.D	11/04/2024	15:23
COMP-6	P4675-06	VY020144.D	11/04/2024	15:46
COMP-5	P4675-05	VY020145.D	11/04/2024	16:10
COMP-4	P4675-04	VY020146.D	11/04/2024	16:33

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VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: POWE02

Lab Code: CHEM Case No.: P4675 SAS No.: P4675 SDG NO.: P4675

Lab File ID: VY020133.D Date Analyzed: 11/04/2024

Instrument ID: MSVOA_Y Time Analyzed: 09:42

GC Column: RXI-624 ID: 0.25 (mm) Heated Purge: (Y/N) Y

	IS1 AREA #	RT #	IS2 AREA #	RT #	IS3 AREA #	RT #
12 HOUR STD	239824	7.72	426500	8.62	366904	11.42
UPPER LIMIT	479648	8.219	853000	9.122	733808	11.92
LOWER LIMIT	119912	7.219	213250	8.122	183452	10.92
EPA SAMPLE NO.						
COMP-1	171889	7.71	354571	8.62	329986	11.41
COMP-2	168297	7.71	352625	8.62	333602	11.41
COMP-3	160931	7.71	337460	8.62	316034	11.41
COMP-4	157420	7.71	338266	8.62	324300	11.41
COMP-5	92185 *	7.71	187487 *	8.62	168357 *	11.41
COMP-6	163201	7.71	341777	8.62	319250	11.41
VY1104SBL01	190734	7.71	396382	8.62	340703	11.42
VY1104SBS01	236479	7.71	424679	8.62	362446	11.42
VY1104SBSD01	224747	7.71	407852	8.62	348566	11.42

IS1 = Pentafluorobenzene
IS2 = 1,4-Difluorobenzene
IS3 = Chlorobenzene-d5

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = -50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT LOWER LIMIT = -0.50 minutes of internal standard RT

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

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VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: POWE02

Lab Code: CHEM Case No.: P4675 SAS No.: P4675 SDG NO.: P4675

Lab File ID: VY020133.D Date Analyzed: 11/04/2024

Instrument ID: MSVOA_Y Time Analyzed: 09:42

GC Column: RXI-624 ID: 0.25 (mm) Heated Purge: (Y/N) Y

	IS4 AREA #		RT #				
12 HOUR STD	164869		13.352				
UPPER LIMIT	329738		13.852				
LOWER LIMIT	82434.5		12.852				
EPA SAMPLE NO.							
COMP-1	119248		13.35				
COMP-2	121411		13.35				
COMP-3	115374		13.35				
COMP-4	120297		13.35				
COMP-5	56627	*	13.35				
COMP-6	113506		13.35				
VY1104SBL01	108210		13.35				
VY1104SBS01	165041		13.35				
VY1104SBSD01	155977		13.35				

IS4 = 1,4-Dichlorobenzene-d4

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = -50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT LOWER LIMIT = -0.50 minutes of internal standard RT

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

SAMPLE DATA

Raw Data: **VY020141.D**

Alliance TECHNICAL GROUP
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Report of Analysis

Client:	Kleinfelder	Date Collected:	10/31/24
Project:	Harrington School	Date Received:	11/01/24
Client Sample ID:	COMP-1	SDG No.:	P4675
Lab Sample ID:	P4675-01	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	77.9
Sample Wt/Vol:	4.12 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY020141.D	1		11/04/24 14:36	VY110424

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
156-59-2	cis-1,2-Dichloroethene	0.95	U	0.95	7.80	ug/Kg
71-55-6	1,1,1-Trichloroethane	1.20	U	1.20	7.80	ug/Kg
71-43-2	Benzene	1.10	U	1.10	7.80	ug/Kg
79-01-6	Trichloroethene	1.20	U	1.20	7.80	ug/Kg
108-88-3	Toluene	1.00	U	1.00	7.80	ug/Kg
100-41-4	Ethyl Benzene	0.97	U	0.97	7.80	ug/Kg
1330-20-7	Total Xylenes	3.20	U	3.20	23.4	ug/Kg
98-82-8	Isopropylbenzene	1.00	U	1.00	7.80	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	58.8		50 - 163	118%	SPK: 50
1868-53-7	Dibromofluoromethane	53.5		54 - 147	107%	SPK: 50
2037-26-5	Toluene-d8	49.4		58 - 134	99%	SPK: 50
460-00-4	4-Bromofluorobenzene	46.0		29 - 146	92%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	172000	7.713			
540-36-3	1,4-Difluorobenzene	355000	8.616			
3114-55-4	Chlorobenzene-d5	330000	11.414			
3855-82-1	1,4-Dichlorobenzene-d4	119000	13.346			

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY110424\
Data File : VY020141.D
Acq On : 04 Nov 2024 14:36
Operator : SY/MD
Sample : P4675-01
Misc : 4.12g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
COMP-1

Quant Time: Nov 05 00:32:23 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y103024S.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 15:23:13 2024
Response via : Initial Calibration

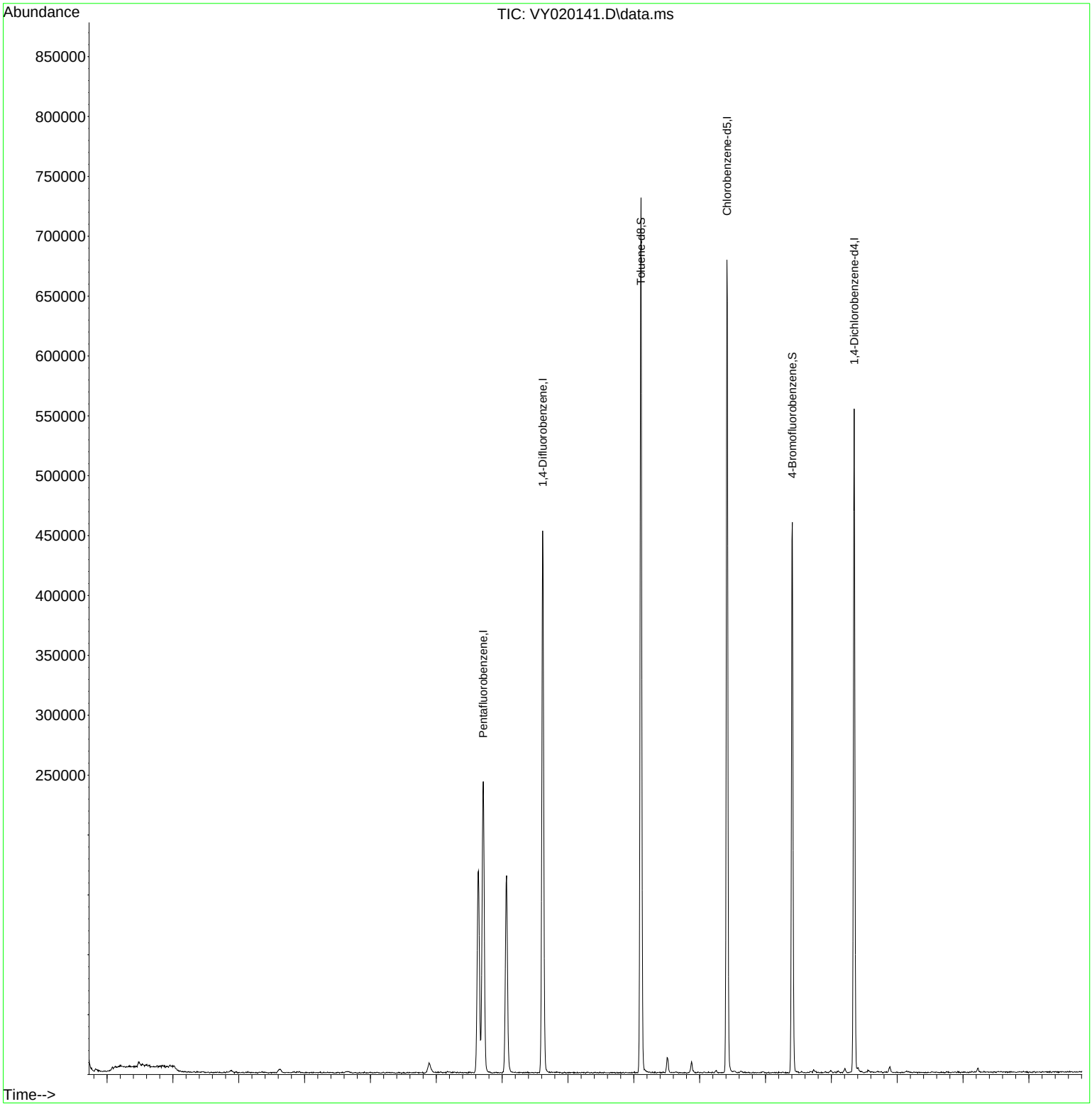
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.713	168	171889	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.616	114	354571	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	329986	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	119248	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	126189	58.821	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 117.640%			
35) Dibromofluoromethane	7.634	113	120654	53.521	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 107.040%			
50) Toluene-d8	10.109	98	443158	49.386	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 98.780%			
62) 4-Bromofluorobenzene	12.408	95	134003	45.976	ug/l	0.00
Spiked Amount 50.000	Range 29 - 146		Recovery = 91.960%			
Target Compounds						Qvalue

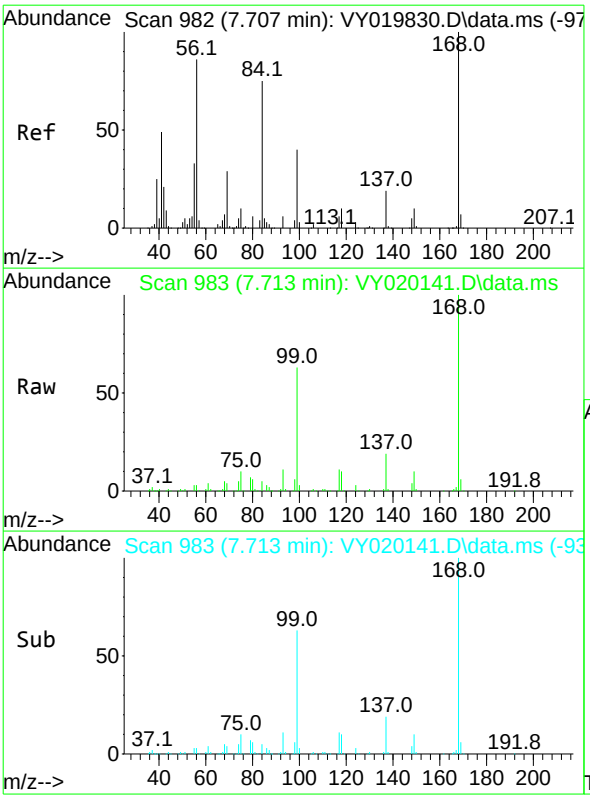
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY110424\
Data File : VY020141.D
Acq On : 04 Nov 2024 14:36
Operator : SY/MD
Sample : P4675-01
Misc : 4.12g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
COMP-1

Quant Time: Nov 05 00:32:23 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y103024S.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 15:23:13 2024
Response via : Initial Calibration



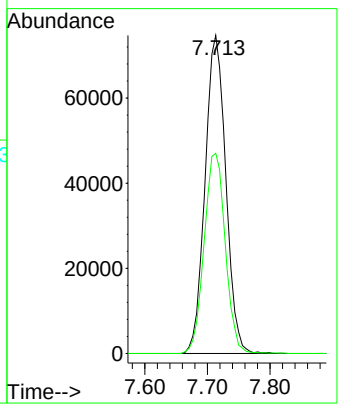


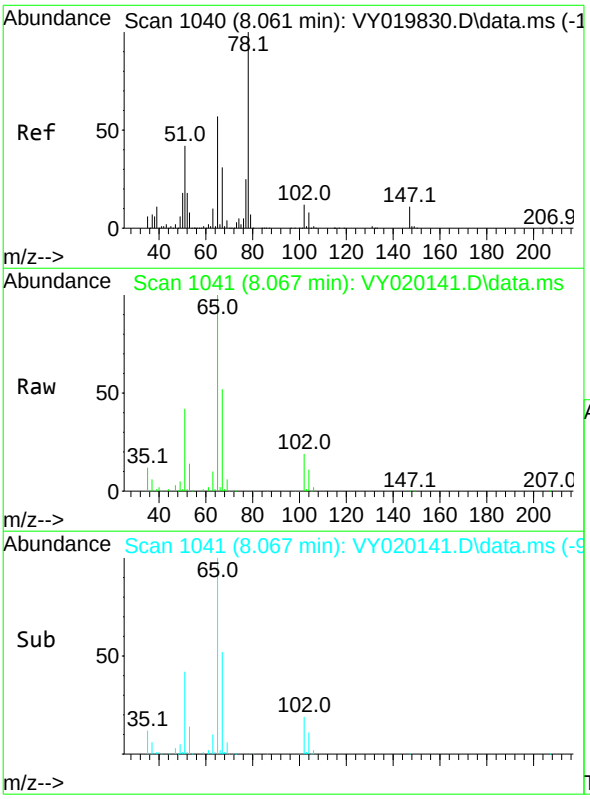
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 98
Delta R.T. 0.006 min
Lab File: VY020141.D
Acq: 04 Nov 2024 14:36

Instrument :
MSVOA_Y
ClientSampleId :
COMP-1

Tgt Ion:168 Resp: 171889

Ion	Ratio	Lower	Upper
168	100		
99	63.0	39.1	58.7#

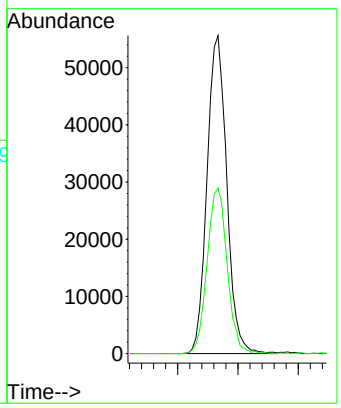


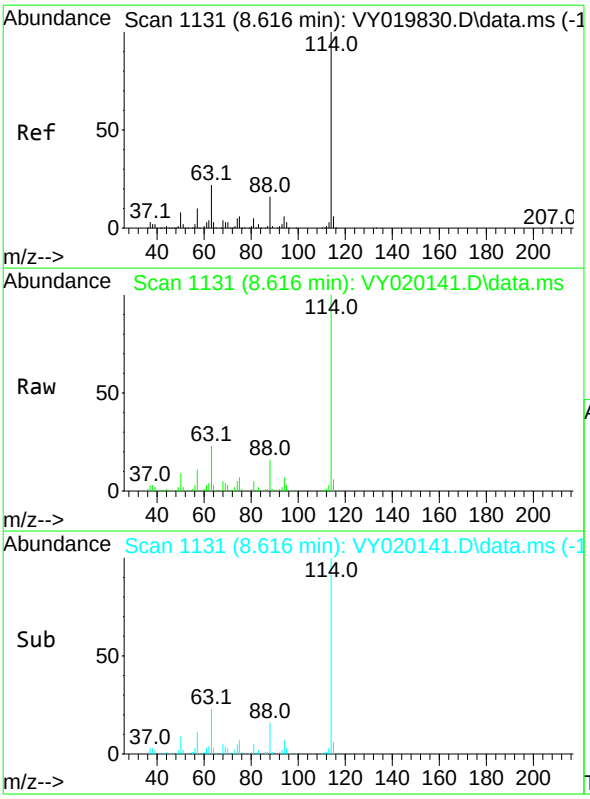


#33
1,2-Dichloroethane-d4
Concen: 58.821 ug/l
RT: 8.067 min Scan# 1041
Delta R.T. 0.006 min
Lab File: VY020141.D
Acq: 04 Nov 2024 14:36

Tgt Ion: 65 Resp: 126189

Ion	Ratio	Lower	Upper
65	100		
67	53.0	0.0	109.6



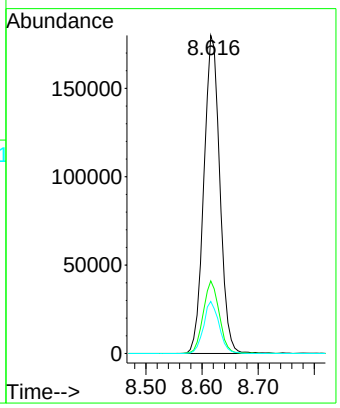


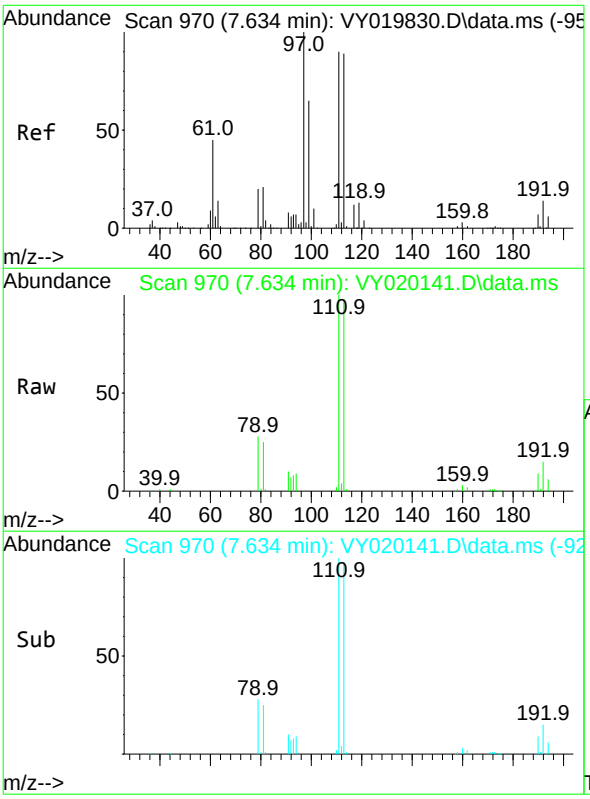
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY020141.D
Acq: 04 Nov 2024 14:36

Instrument :
MSVOA_Y
ClientSampleId :
COMP-1

Tgt Ion:114 Resp: 354571

Ion	Ratio	Lower	Upper
114	100		
63	22.8	0.0	35.0
88	16.4	0.0	27.2

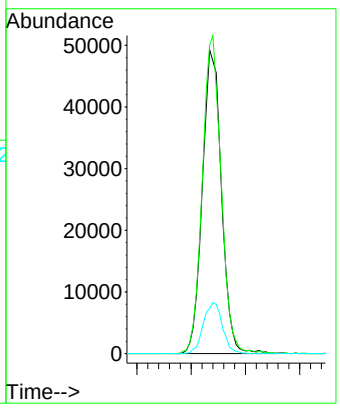


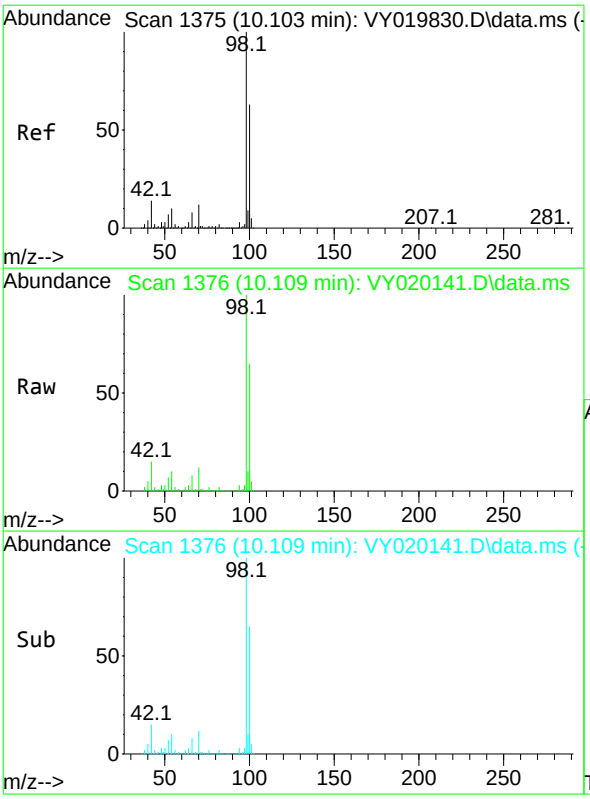


#35
Dibromofluoromethane
Concen: 53.521 ug/l
RT: 7.634 min Scan# 970
Delta R.T. 0.000 min
Lab File: VY020141.D
Acq: 04 Nov 2024 14:36

Tgt Ion:113 Resp: 120654

Ion	Ratio	Lower	Upper
113	100		
111	102.8	82.2	123.4
192	16.8	15.9	23.9



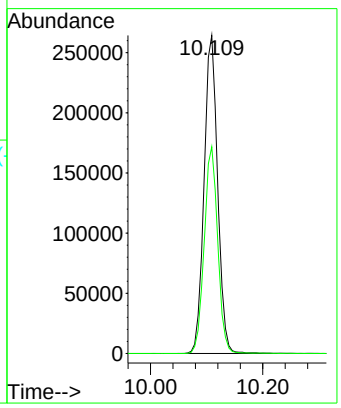


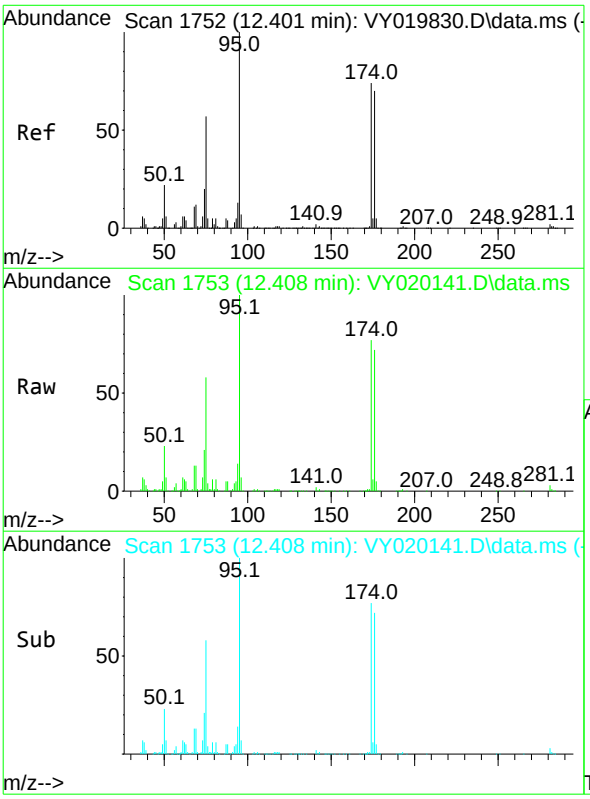
#50
Toluene-d8
Concen: 49.386 ug/l
RT: 10.109 min Scan# 13
Delta R.T. 0.000 min
Lab File: VY020141.D
Acq: 04 Nov 2024 14:36

Instrument :
MSVOA_Y
ClientSampleId :
COMP-1

Tgt Ion: 98 Resp: 443158

Ion	Ratio	Lower	Upper
98	100		
100	64.7	52.0	78.0

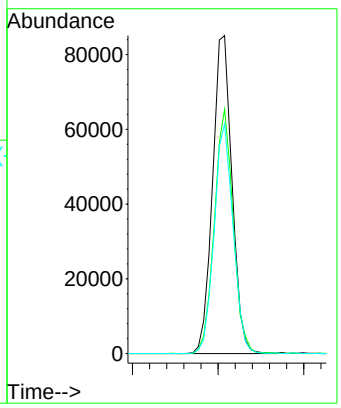


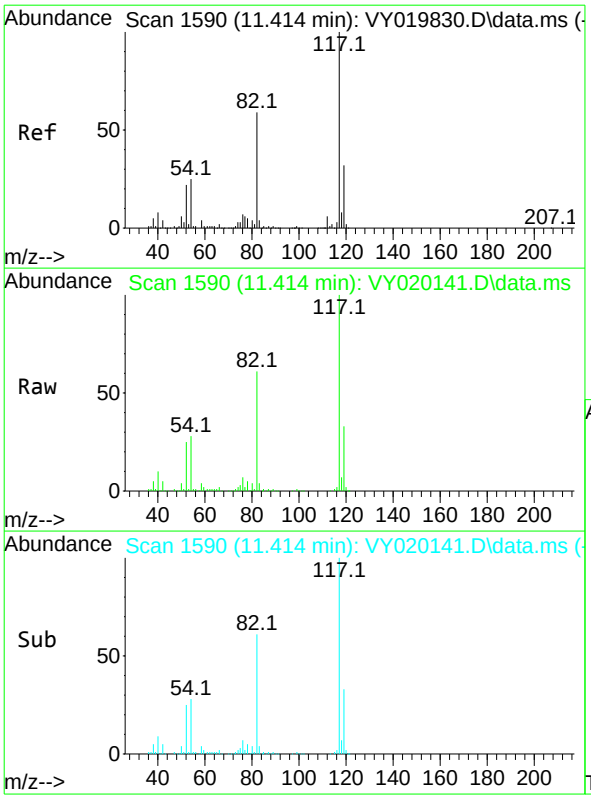


#62
4-Bromofluorobenzene
Concen: 45.976 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.000 min
Lab File: VY020141.D
Acq: 04 Nov 2024 14:36

Tgt Ion: 95 Resp: 134003

Ion	Ratio	Lower	Upper
95	100		
174	74.6	0.0	175.6
176	70.5	0.0	171.4



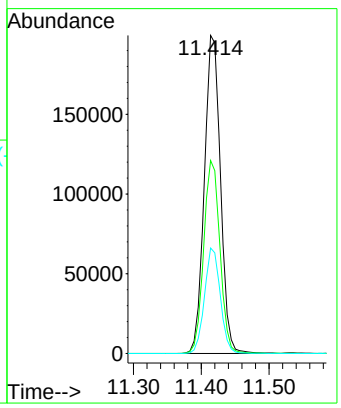


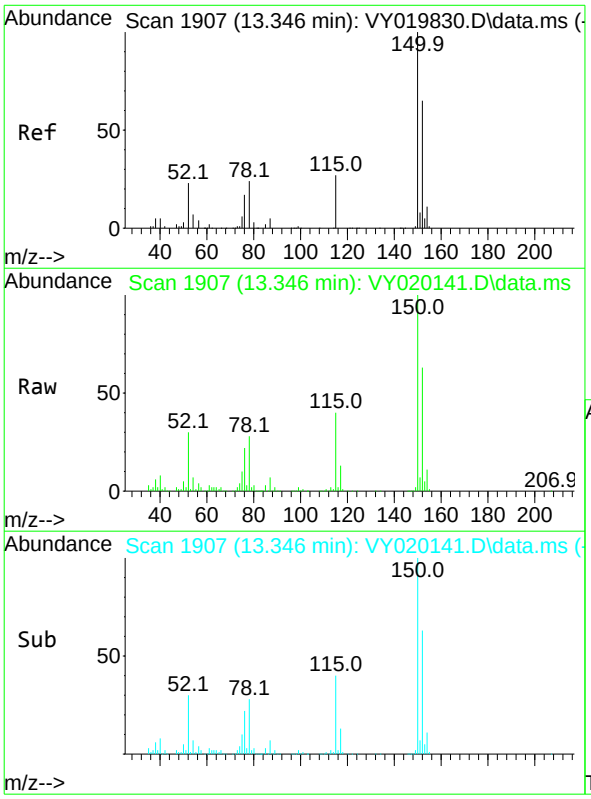
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 15
Delta R.T. -0.006 min
Lab File: VY020141.D
Acq: 04 Nov 2024 14:36

Instrument :
MSVOA_Y
ClientSampleId :
COMP-1

Tgt Ion:117 Resp: 329986

Ion	Ratio	Lower	Upper
117	100		
82	60.7	42.4	63.6
119	33.2	25.9	38.9

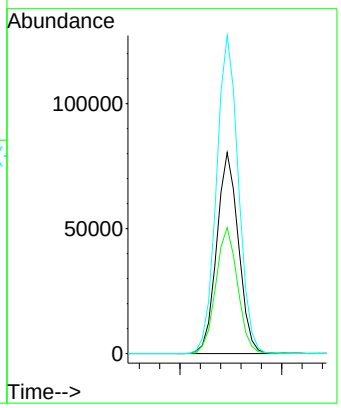




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1907
Delta R.T. 0.000 min
Lab File: VY020141.D
Acq: 04 Nov 2024 14:36

Tgt Ion:152 Resp: 119248

Ion	Ratio	Lower	Upper
152	100		
115	63.0	28.2	84.7
150	159.7	0.0	345.6



Raw Data: **VY020142.D**

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	Kleinfelder	Date Collected:	10/31/24
Project:	Harrington School	Date Received:	11/01/24
Client Sample ID:	COMP-2	SDG No.:	P4675
Lab Sample ID:	P4675-02	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	85.7
Sample Wt/Vol:	4.28 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY020142.D	1		11/04/24 15:00	VY110424

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
156-59-2	cis-1,2-Dichloroethene	0.83	U	0.83	6.80	ug/Kg
71-55-6	1,1,1-Trichloroethane	1.10	U	1.10	6.80	ug/Kg
71-43-2	Benzene	0.98	U	0.98	6.80	ug/Kg
79-01-6	Trichloroethene	1.00	U	1.00	6.80	ug/Kg
108-88-3	Toluene	0.91	U	0.91	6.80	ug/Kg
100-41-4	Ethyl Benzene	0.85	U	0.85	6.80	ug/Kg
1330-20-7	Total Xylenes	2.75	U	2.75	20.4	ug/Kg
98-82-8	Isopropylbenzene	0.91	U	0.91	6.80	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	59.8		50 - 163	120%	SPK: 50
1868-53-7	Dibromofluoromethane	52.3		54 - 147	105%	SPK: 50
2037-26-5	Toluene-d8	49.3		58 - 134	99%	SPK: 50
460-00-4	4-Bromofluorobenzene	47.7		29 - 146	95%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	168000	7.713			
540-36-3	1,4-Difluorobenzene	353000	8.616			
3114-55-4	Chlorobenzene-d5	334000	11.414			
3855-82-1	1,4-Dichlorobenzene-d4	121000	13.346			

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY110424\
Data File : VY020142.D
Acq On : 04 Nov 2024 15:00
Operator : SY/MD
Sample : P4675-02
Misc : 4.28g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
COMP-2

Quant Time: Nov 05 00:32:50 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y103024S.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 15:23:13 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.713	168	168297	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.616	114	352625	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	333602	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	121411	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	125586	59.790	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 119.580%			
35) Dibromofluoromethane	7.634	113	117237	52.292	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 104.580%			
50) Toluene-d8	10.109	98	440365	49.345	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 98.700%			
62) 4-Bromofluorobenzene	12.408	95	138260	47.698	ug/l	0.00
Spiked Amount 50.000	Range 29 - 146		Recovery = 95.400%			

Target Compounds Qvalue

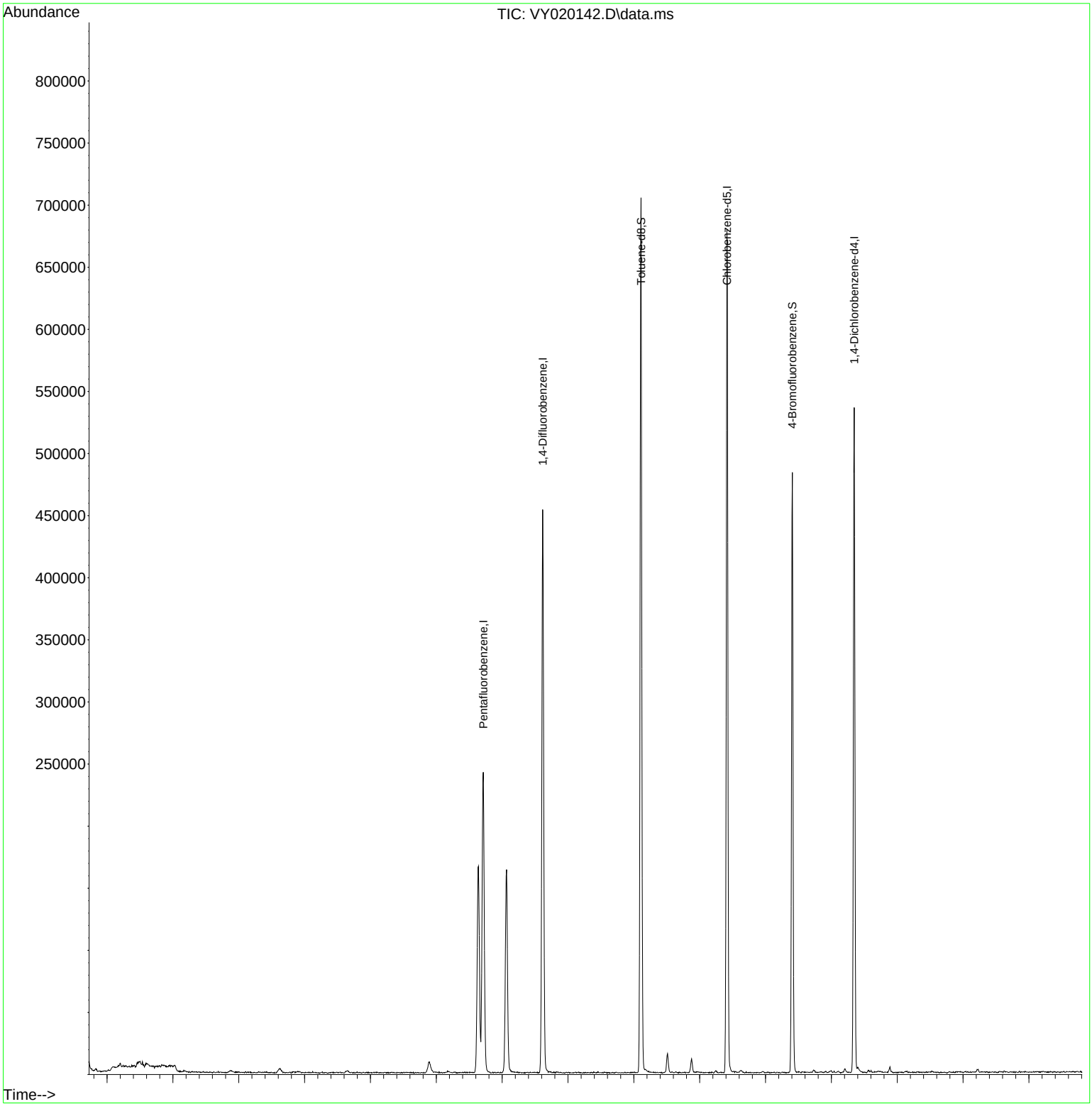
(#) = qualifier out of range (m) = manual integration (+) = signals summed

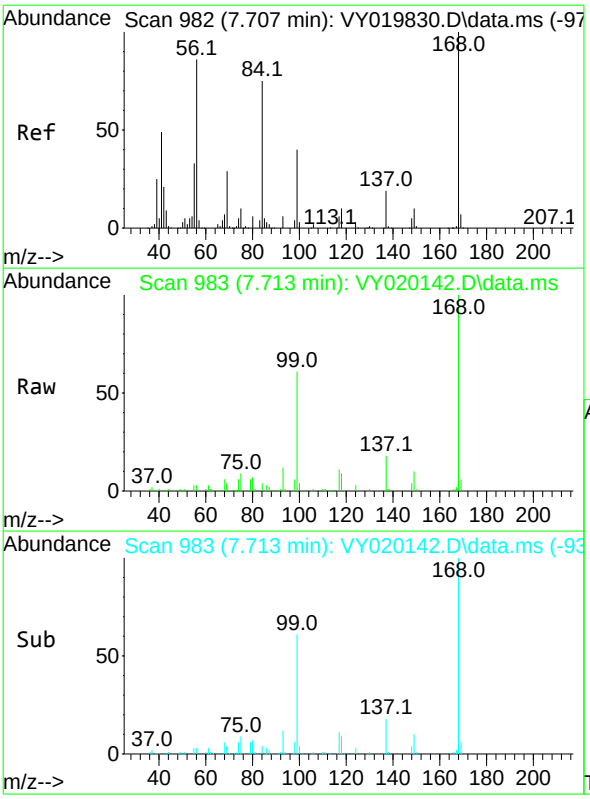
Sample Results: **VY020142.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY110424\
Data File : VY020142.D
Acq On : 04 Nov 2024 15:00
Operator : SY/MD
Sample : P4675-02
Misc : 4.28g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
COMP-2

Quant Time: Nov 05 00:32:50 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y103024S.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 15:23:13 2024
Response via : Initial Calibration



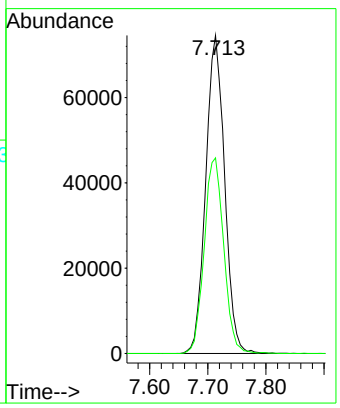


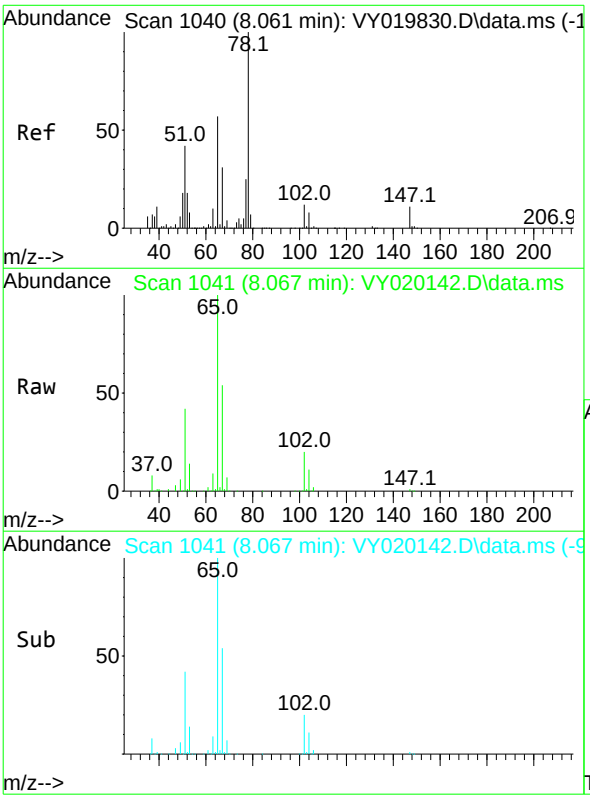
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 98
Delta R.T. 0.006 min
Lab File: VY020142.D
Acq: 04 Nov 2024 15:00

Instrument :
MSVOA_Y
ClientSampleId :
COMP-2

Tgt Ion:168 Resp: 168297

Ion	Ratio	Lower	Upper
168	100		
99	61.5	39.1	58.7#

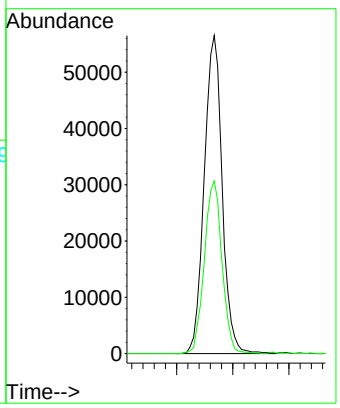


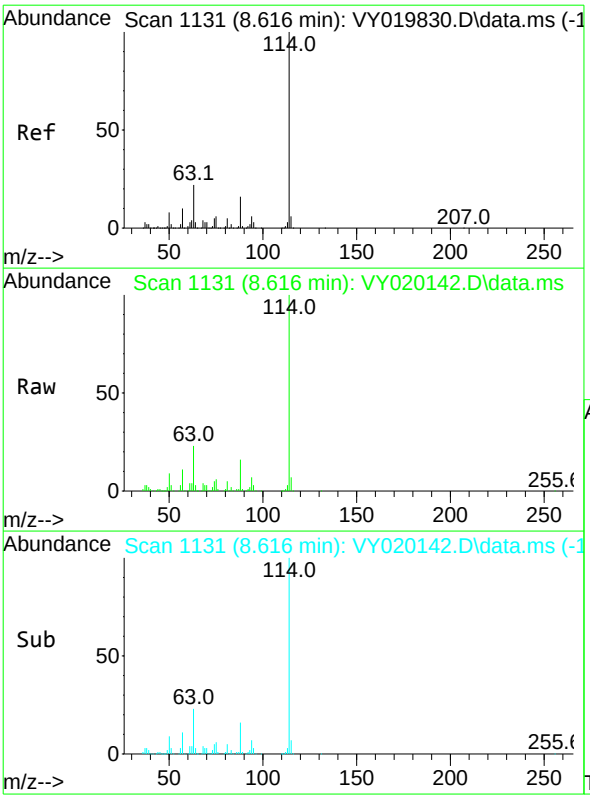


#33
1,2-Dichloroethane-d4
Concen: 59.790 ug/l
RT: 8.067 min Scan# 1041
Delta R.T. 0.006 min
Lab File: VY020142.D
Acq: 04 Nov 2024 15:00

Tgt Ion: 65 Resp: 125586

Ion	Ratio	Lower	Upper
65	100		
67	53.4	0.0	109.6



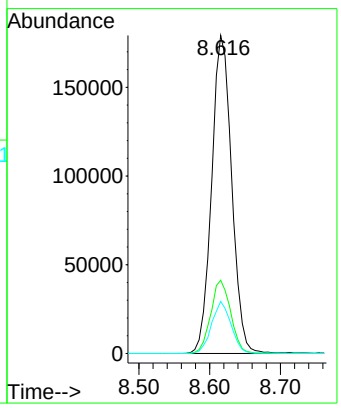


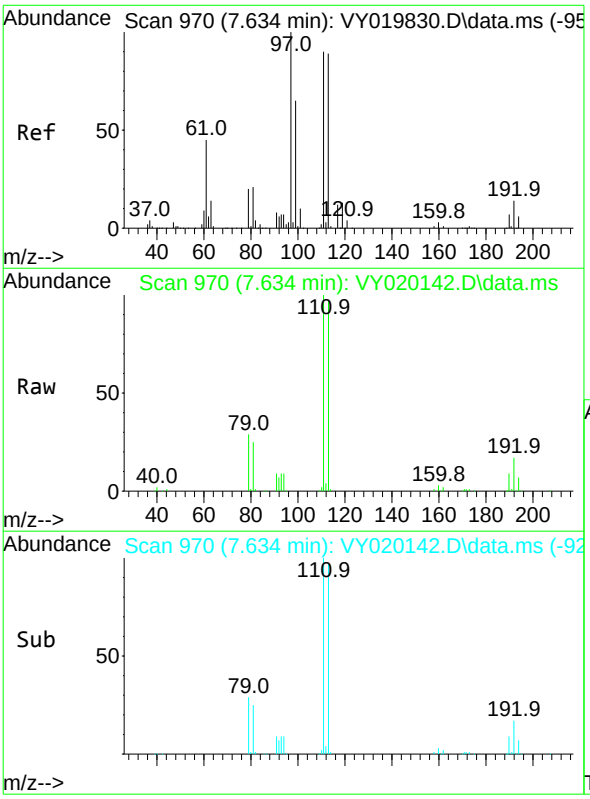
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY020142.D
Acq: 04 Nov 2024 15:00

Instrument :
MSVOA_Y
ClientSampleId :
COMP-2

Tgt Ion:114 Resp: 352625

Ion	Ratio	Lower	Upper
114	100		
63	23.0	0.0	35.0
88	16.4	0.0	27.2

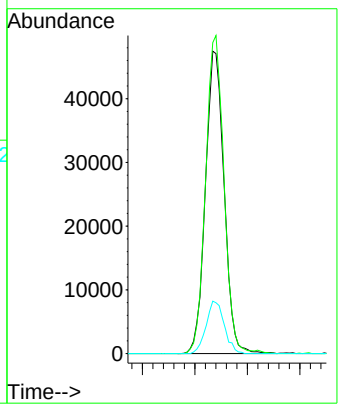


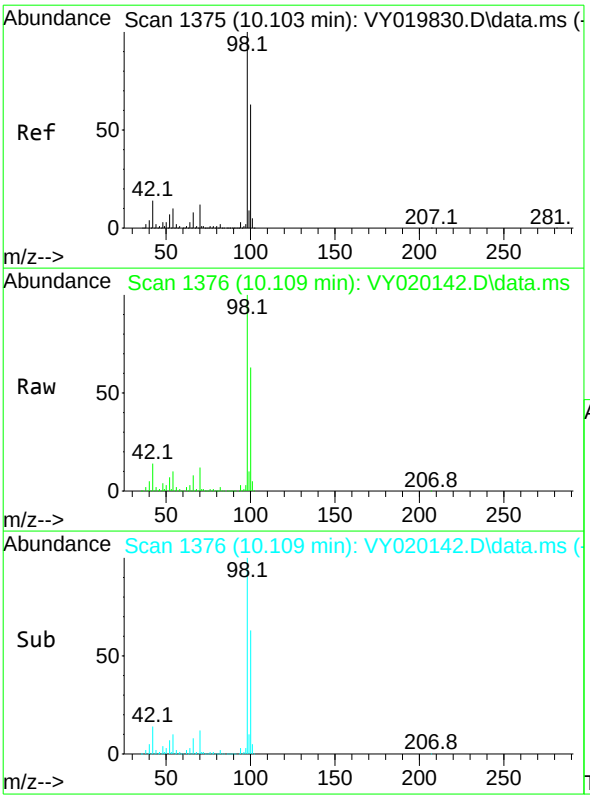


#35
Dibromofluoromethane
Concen: 52.292 ug/l
RT: 7.634 min Scan# 970
Delta R.T. 0.000 min
Lab File: VY020142.D
Acq: 04 Nov 2024 15:00

Tgt Ion:113 Resp: 117237

Ion	Ratio	Lower	Upper
113	100		
111	103.4	82.2	123.4
192	16.8	15.9	23.9



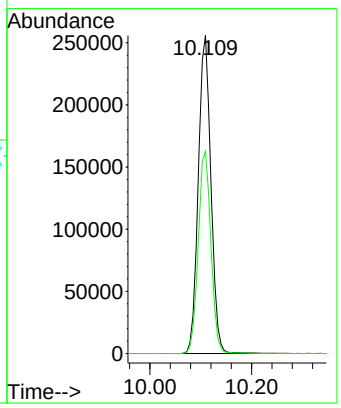


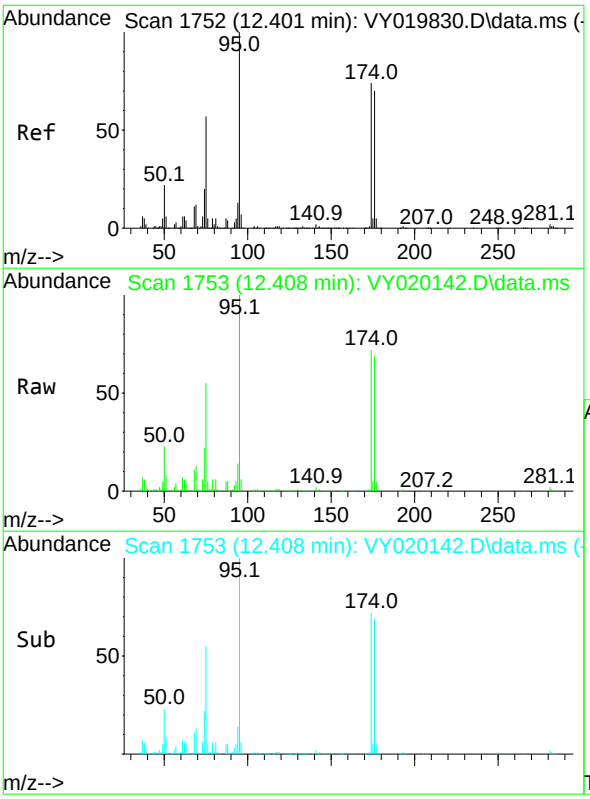
#50
Toluene-d8
Concen: 49.345 ug/l
RT: 10.109 min Scan# 13
Delta R.T. 0.000 min
Lab File: VY020142.D
Acq: 04 Nov 2024 15:00

Instrument :
MSVOA_Y
ClientSampleId :
COMP-2

Tgt Ion: 98 Resp: 440365

Ion	Ratio	Lower	Upper
98	100		
100	64.0	52.0	78.0

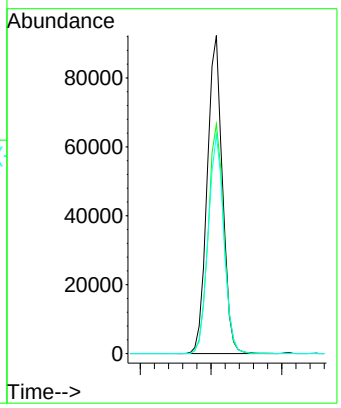


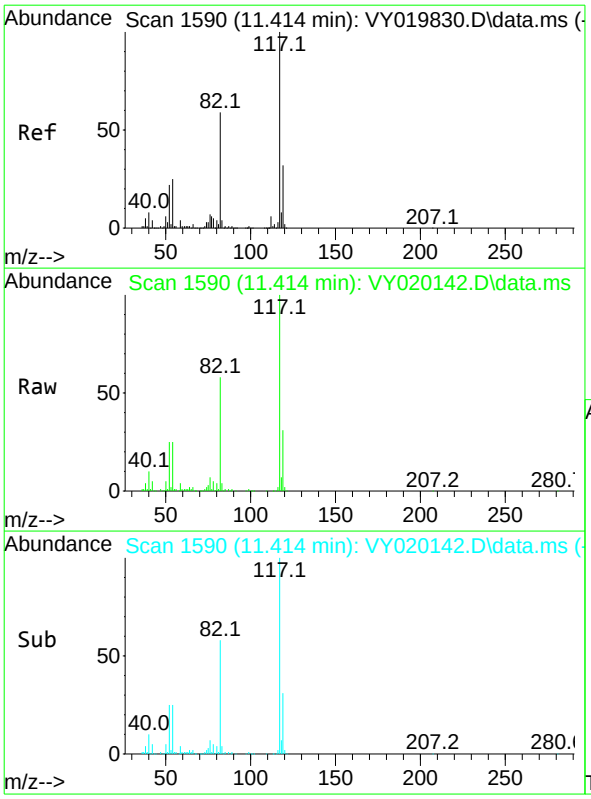


#62
4-Bromofluorobenzene
Concen: 47.698 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.000 min
Lab File: VY020142.D
Acq: 04 Nov 2024 15:00

Tgt Ion: 95 Resp: 138260

Ion	Ratio	Lower	Upper
95	100		
174	73.6	0.0	175.6
176	70.3	0.0	171.4



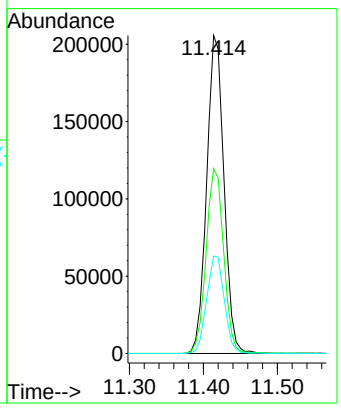


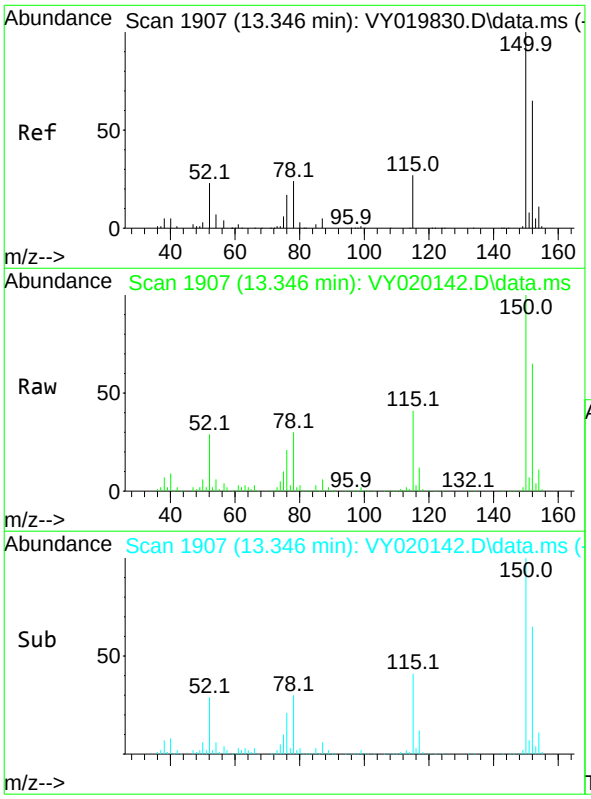
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 15
Delta R.T. -0.006 min
Lab File: VY020142.D
Acq: 04 Nov 2024 15:00

Instrument :
MSVOA_Y
ClientSampleId :
COMP-2

Tgt Ion:117 Resp: 333602

Ion	Ratio	Lower	Upper
117	100		
82	58.2	42.4	63.6
119	30.7	25.9	38.9

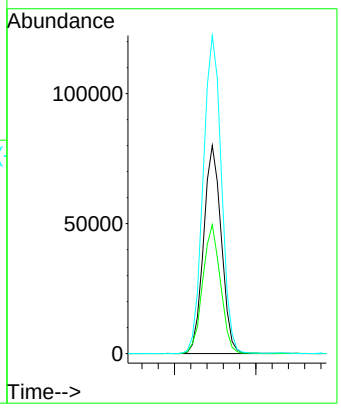




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1907
Delta R.T. 0.000 min
Lab File: VY020142.D
Acq: 04 Nov 2024 15:00

Tgt Ion:152 Resp: 121411

Ion	Ratio	Lower	Upper
152	100		
115	62.0	28.2	84.7
150	156.9	0.0	345.6



Raw Data: **VY020143.D**

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	Kleinfelder	Date Collected:	10/31/24
Project:	Harrington School	Date Received:	11/01/24
Client Sample ID:	COMP-3	SDG No.:	P4675
Lab Sample ID:	P4675-03	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	88.8
Sample Wt/Vol:	4.18 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY020143.D	1		11/04/24 15:23	VY110424

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
156-59-2	cis-1,2-Dichloroethene	0.82	U	0.82	6.70	ug/Kg
71-55-6	1,1,1-Trichloroethane	1.10	U	1.10	6.70	ug/Kg
71-43-2	Benzene	0.97	U	0.97	6.70	ug/Kg
79-01-6	Trichloroethene	1.00	U	1.00	6.70	ug/Kg
108-88-3	Toluene	0.90	U	0.90	6.70	ug/Kg
100-41-4	Ethyl Benzene	0.84	U	0.84	6.70	ug/Kg
1330-20-7	Total Xylenes	2.74	U	2.74	20.2	ug/Kg
98-82-8	Isopropylbenzene	0.90	U	0.90	6.70	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	56.7		50 - 163	113%	SPK: 50
1868-53-7	Dibromofluoromethane	52.3		54 - 147	105%	SPK: 50
2037-26-5	Toluene-d8	50.0		58 - 134	100%	SPK: 50
460-00-4	4-Bromofluorobenzene	46.8		29 - 146	94%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	161000	7.713			
540-36-3	1,4-Difluorobenzene	337000	8.615			
3114-55-4	Chlorobenzene-d5	316000	11.414			
3855-82-1	1,4-Dichlorobenzene-d4	115000	13.346			

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

Sample Results: **VY020143.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY110424\
Data File : VY020143.D
Acq On : 04 Nov 2024 15:23
Operator : SY/MD
Sample : P4675-03
Misc : 4.18g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
COMP-3

Quant Time: Nov 05 00:33:12 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y103024S.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 15:23:13 2024
Response via : Initial Calibration

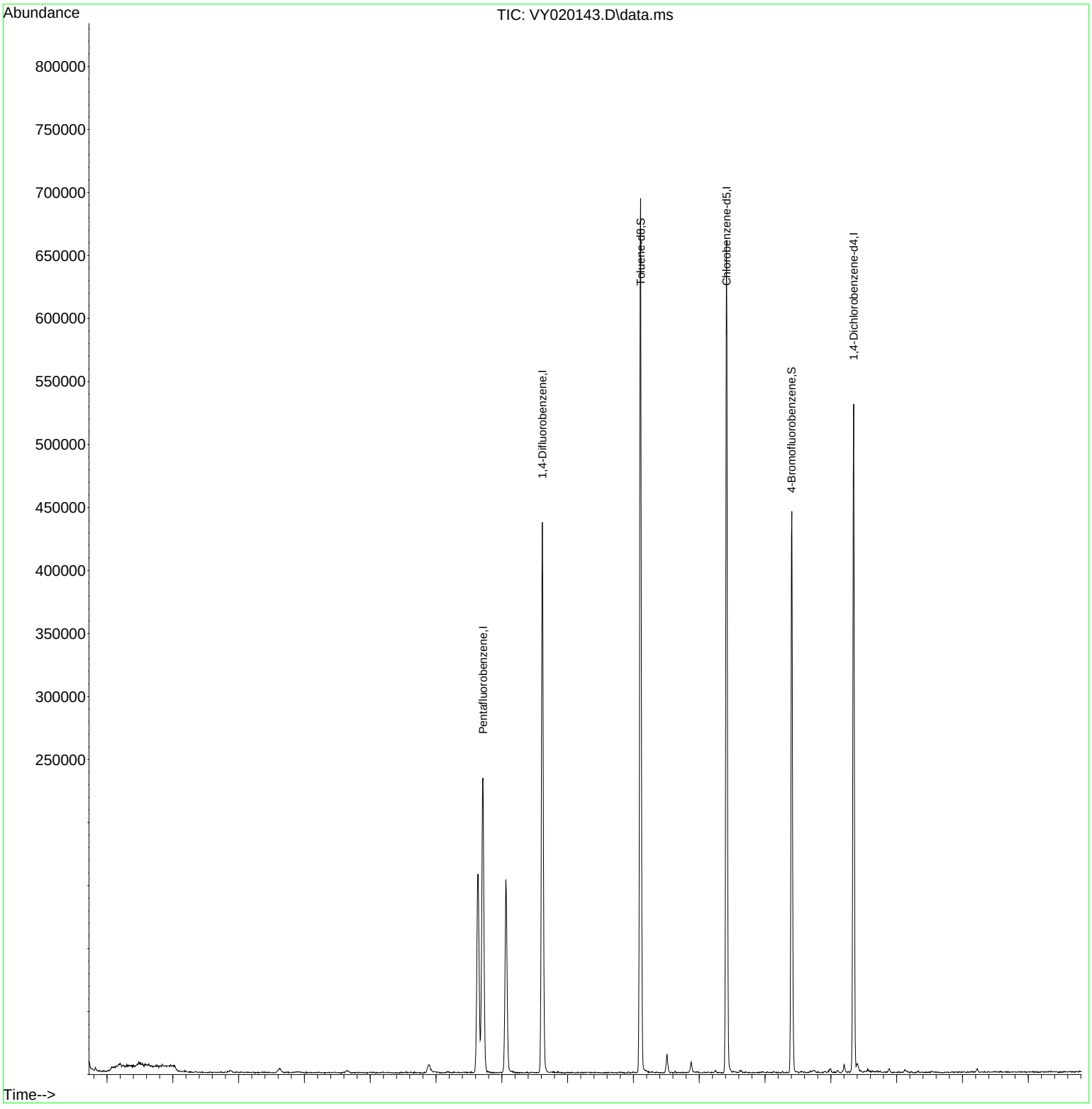
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.713	168	160931	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.615	114	337460	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	316034	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	115374	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	113975	56.746	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 113.500%			
35) Dibromofluoromethane	7.634	113	112284	52.333	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 104.660%			
50) Toluene-d8	10.109	98	427041	50.003	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 100.000%			
62) 4-Bromofluorobenzene	12.401	95	129814	46.797	ug/l	0.00
Spiked Amount 50.000	Range 29 - 146		Recovery = 93.600%			
Target Compounds						Qvalue

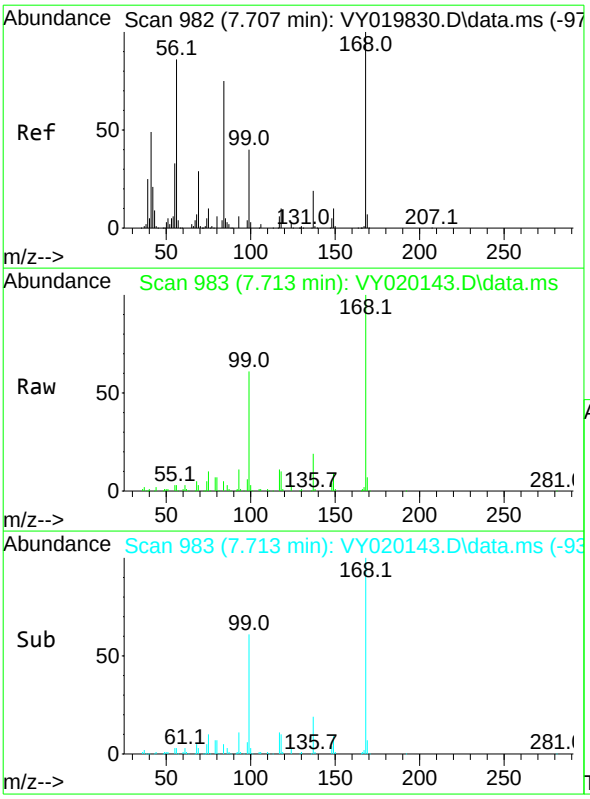
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY110424\
Data File : VY020143.D
Acq On : 04 Nov 2024 15:23
Operator : SY/MD
Sample : P4675-03
Misc : 4.18g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
COMP-3

Quant Time: Nov 05 00:33:12 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y103024S.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 15:23:13 2024
Response via : Initial Calibration



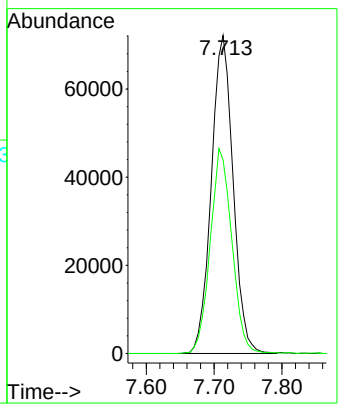


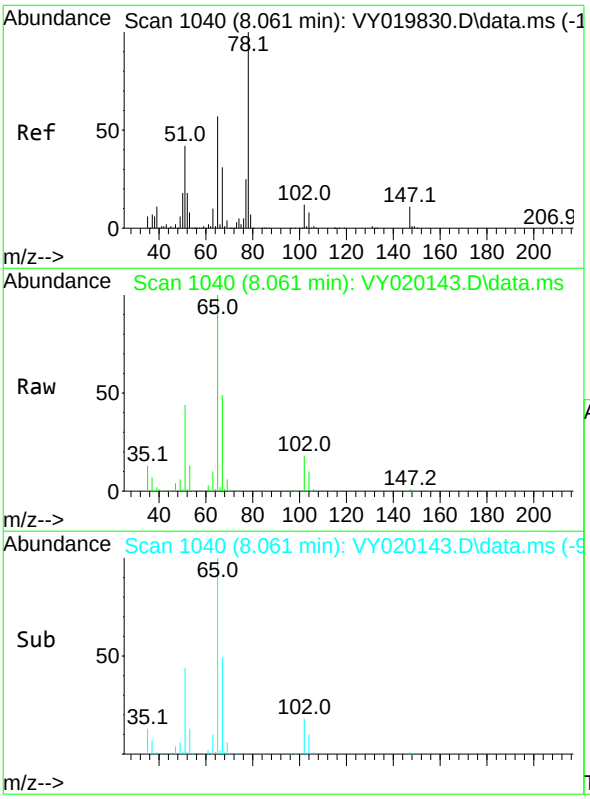
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 98
Delta R.T. 0.006 min
Lab File: VY020143.D
Acq: 04 Nov 2024 15:23

Instrument :
MSVOA_Y
ClientSampleId :
COMP-3

Tgt Ion:168 Resp: 160931

Ion	Ratio	Lower	Upper
168	100		
99	60.9	39.1	58.7#

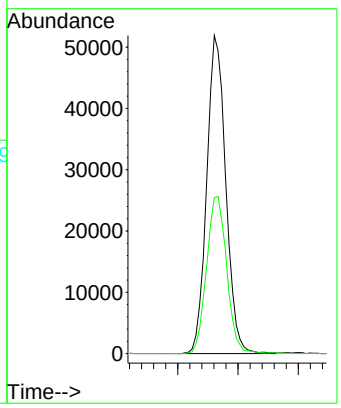


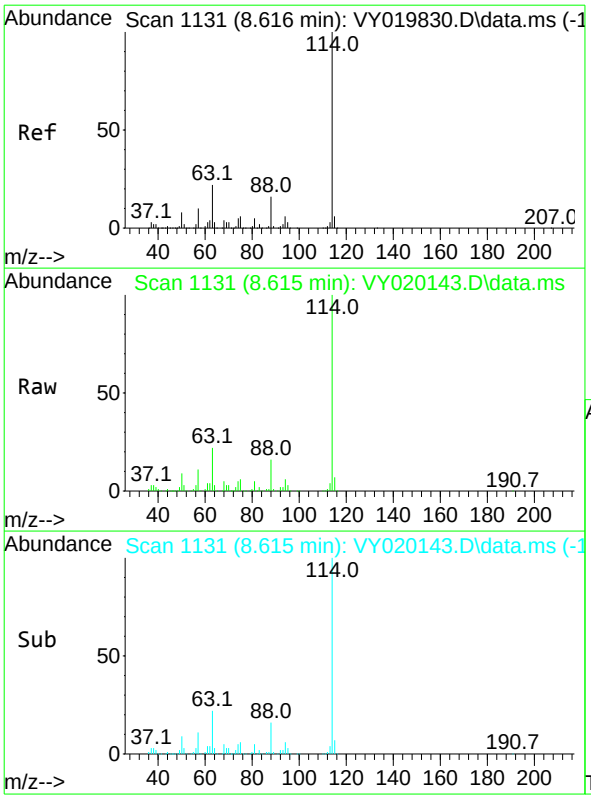


#33
1,2-Dichloroethane-d4
Concen: 56.746 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. 0.000 min
Lab File: VY020143.D
Acq: 04 Nov 2024 15:23

Tgt Ion: 65 Resp: 113975

Ion	Ratio	Lower	Upper
65	100		
67	52.1	0.0	109.6



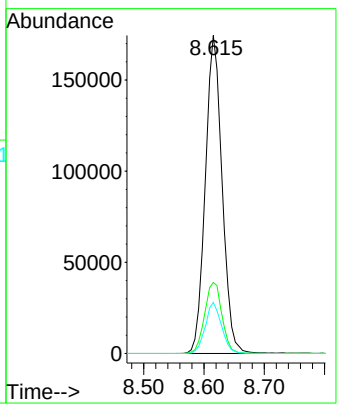


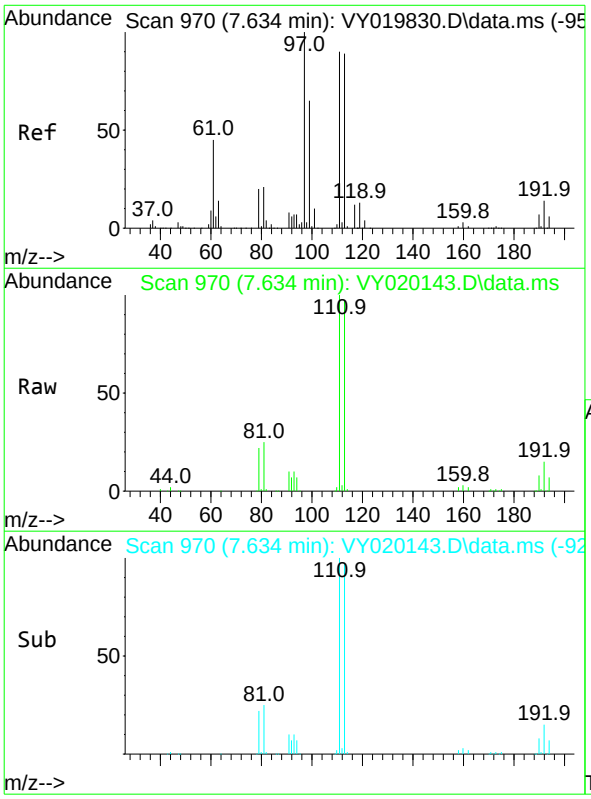
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.615 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY020143.D
Acq: 04 Nov 2024 15:23

Instrument :
MSVOA_Y
ClientSampleId :
COMP-3

Tgt Ion:114 Resp: 337460

Ion	Ratio	Lower	Upper
114	100		
63	22.3	0.0	35.0
88	16.1	0.0	27.2

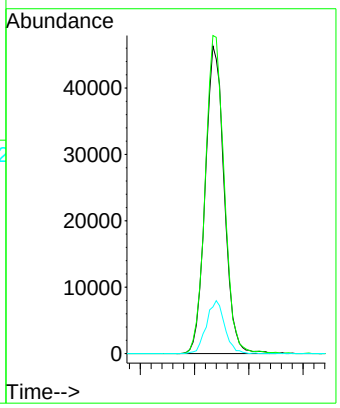


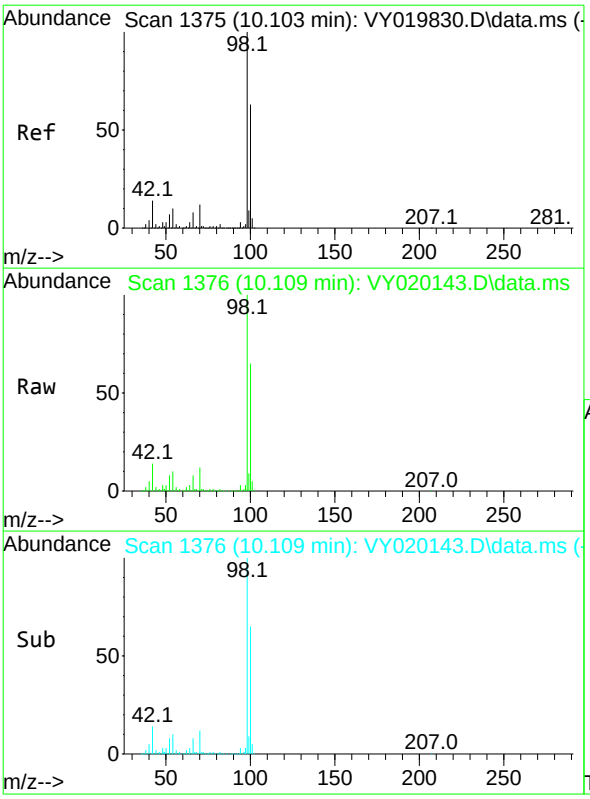


#35
Dibromofluoromethane
Concen: 52.333 ug/l
RT: 7.634 min Scan# 970
Delta R.T. 0.000 min
Lab File: VY020143.D
Acq: 04 Nov 2024 15:23

Tgt Ion:113 Resp: 112284

Ion	Ratio	Lower	Upper
113	100		
111	103.7	82.2	123.4
192	16.6	15.9	23.9



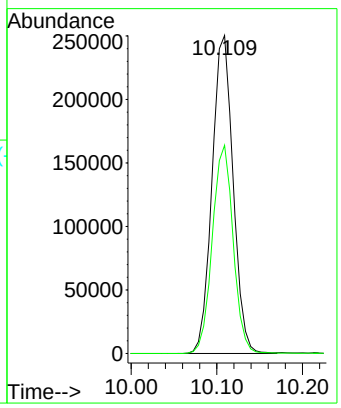


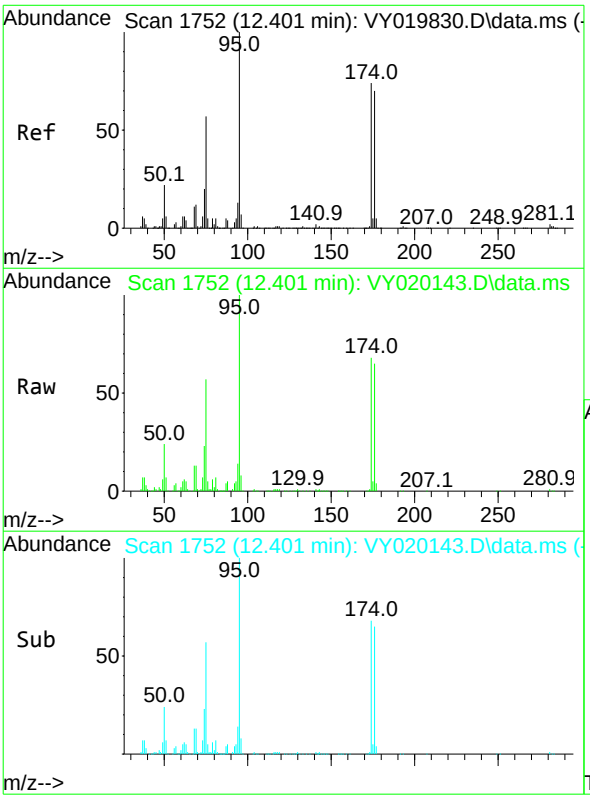
#50
Toluene-d8
Concen: 50.003 ug/l
RT: 10.109 min Scan# 13
Delta R.T. 0.000 min
Lab File: VY020143.D
Acq: 04 Nov 2024 15:23

Instrument :
MSVOA_Y
ClientSampleId :
COMP-3

Tgt Ion: 98 Resp: 427041

Ion	Ratio	Lower	Upper
98	100		
100	64.9	52.0	78.0

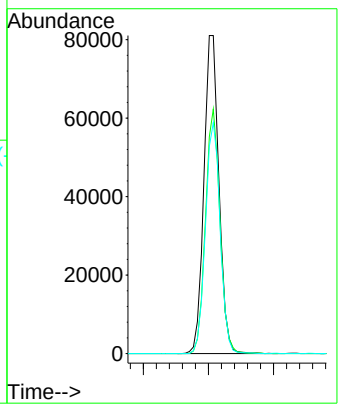


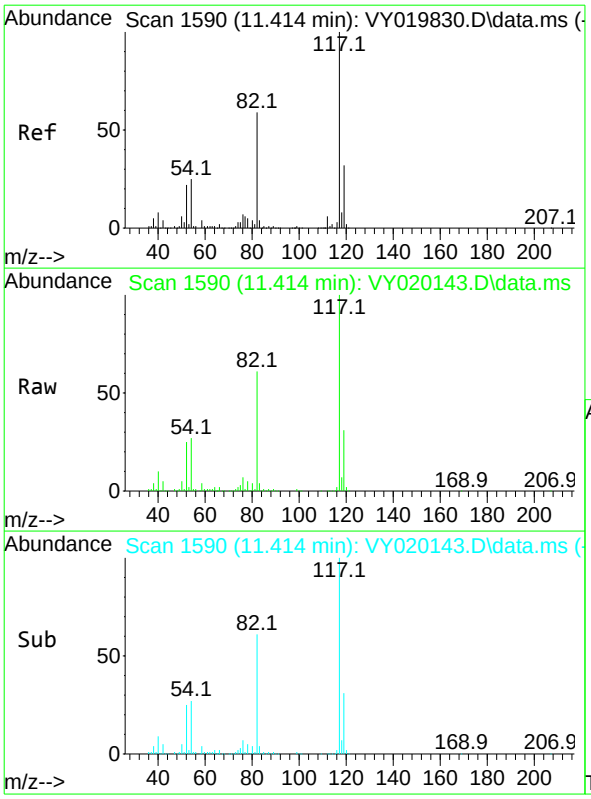


#62
4-Bromofluorobenzene
Concen: 46.797 ug/l
RT: 12.401 min Scan# 1752
Delta R.T. -0.006 min
Lab File: VY020143.D
Acq: 04 Nov 2024 15:23

Tgt Ion: 95 Resp: 129814

Ion	Ratio	Lower	Upper
95	100		
174	74.1	0.0	175.6
176	71.0	0.0	171.4



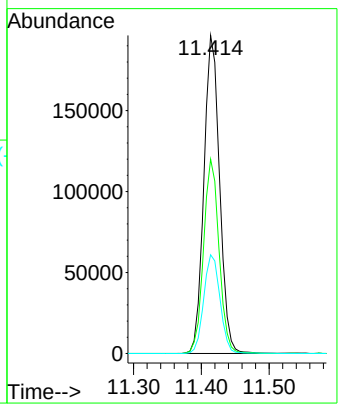


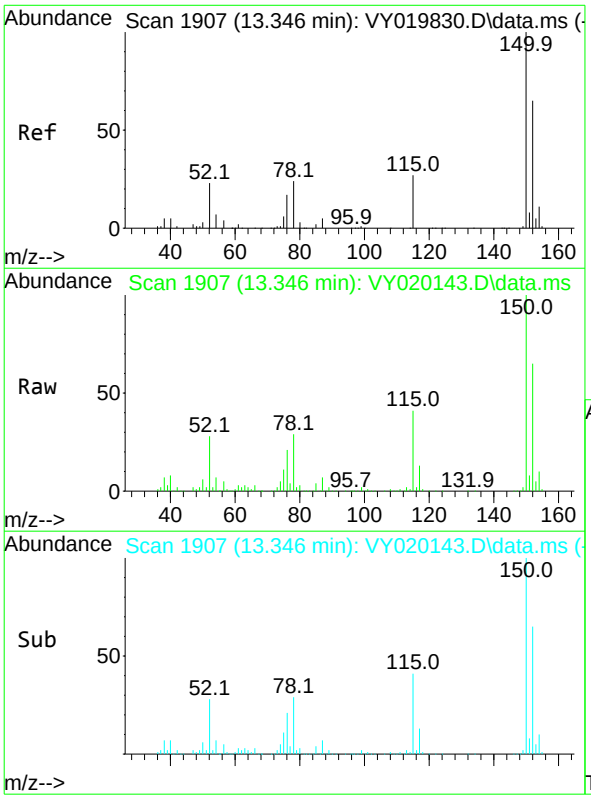
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 15
Delta R.T. -0.006 min
Lab File: VY020143.D
Acq: 04 Nov 2024 15:23

Instrument :
MSVOA_Y
ClientSampleId :
COMP-3

Tgt Ion:117 Resp: 316034

Ion	Ratio	Lower	Upper
117	100		
82	61.1	42.4	63.6
119	31.0	25.9	38.9

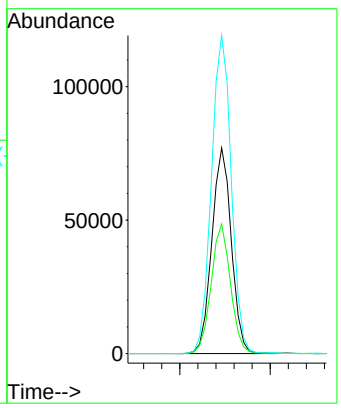




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1907
Delta R.T. 0.000 min
Lab File: VY020143.D
Acq: 04 Nov 2024 15:23

Tgt Ion:152 Resp: 115374

Ion	Ratio	Lower	Upper
152	100		
115	62.6	28.2	84.7
150	157.1	0.0	345.6



Raw Data: **VY020146.D**

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	Kleinfelder	Date Collected:	10/31/24
Project:	Harrington School	Date Received:	11/01/24
Client Sample ID:	COMP-4	SDG No.:	P4675
Lab Sample ID:	P4675-04	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	82.9
Sample Wt/Vol:	6.6 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY020146.D	1		11/04/24 16:33	VY110424

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
156-59-2	cis-1,2-Dichloroethene	0.56	U	0.56	4.60	ug/Kg
71-55-6	1,1,1-Trichloroethane	0.71	U	0.71	4.60	ug/Kg
71-43-2	Benzene	0.66	U	0.66	4.60	ug/Kg
79-01-6	Trichloroethene	0.69	U	0.69	4.60	ug/Kg
108-88-3	Toluene	0.61	U	0.61	4.60	ug/Kg
100-41-4	Ethyl Benzene	0.57	U	0.57	4.60	ug/Kg
1330-20-7	Total Xylenes	1.84	U	1.84	13.7	ug/Kg
98-82-8	Isopropylbenzene	0.61	U	0.61	4.60	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	64.3		50 - 163	129%	SPK: 50
1868-53-7	Dibromofluoromethane	54.3		54 - 147	109%	SPK: 50
2037-26-5	Toluene-d8	49.9		58 - 134	100%	SPK: 50
460-00-4	4-Bromofluorobenzene	48.5		29 - 146	97%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	157000	7.713			
540-36-3	1,4-Difluorobenzene	338000	8.615			
3114-55-4	Chlorobenzene-d5	324000	11.414			
3855-82-1	1,4-Dichlorobenzene-d4	120000	13.346			

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY110424\
Data File : VY020146.D
Acq On : 04 Nov 2024 16:33
Operator : SY/MD
Sample : P4675-04
Misc : 6.60g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
COMP-4

Quant Time: Nov 05 00:34:26 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y103024S.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 15:23:13 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.713	168	157420	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.615	114	338266	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	324300	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	120297	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	126309	64.289	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 128.580%			
35) Dibromofluoromethane	7.634	113	116867	54.340	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 108.680%			
50) Toluene-d8	10.109	98	427385	49.924	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 99.840%			
62) 4-Bromofluorobenzene	12.401	95	134761	48.464	ug/l	0.00
Spiked Amount 50.000	Range 29 - 146		Recovery = 96.920%			
Target Compounds						Qvalue
16) Acetone	3.872	43	8045	17.608	ug/l #	72

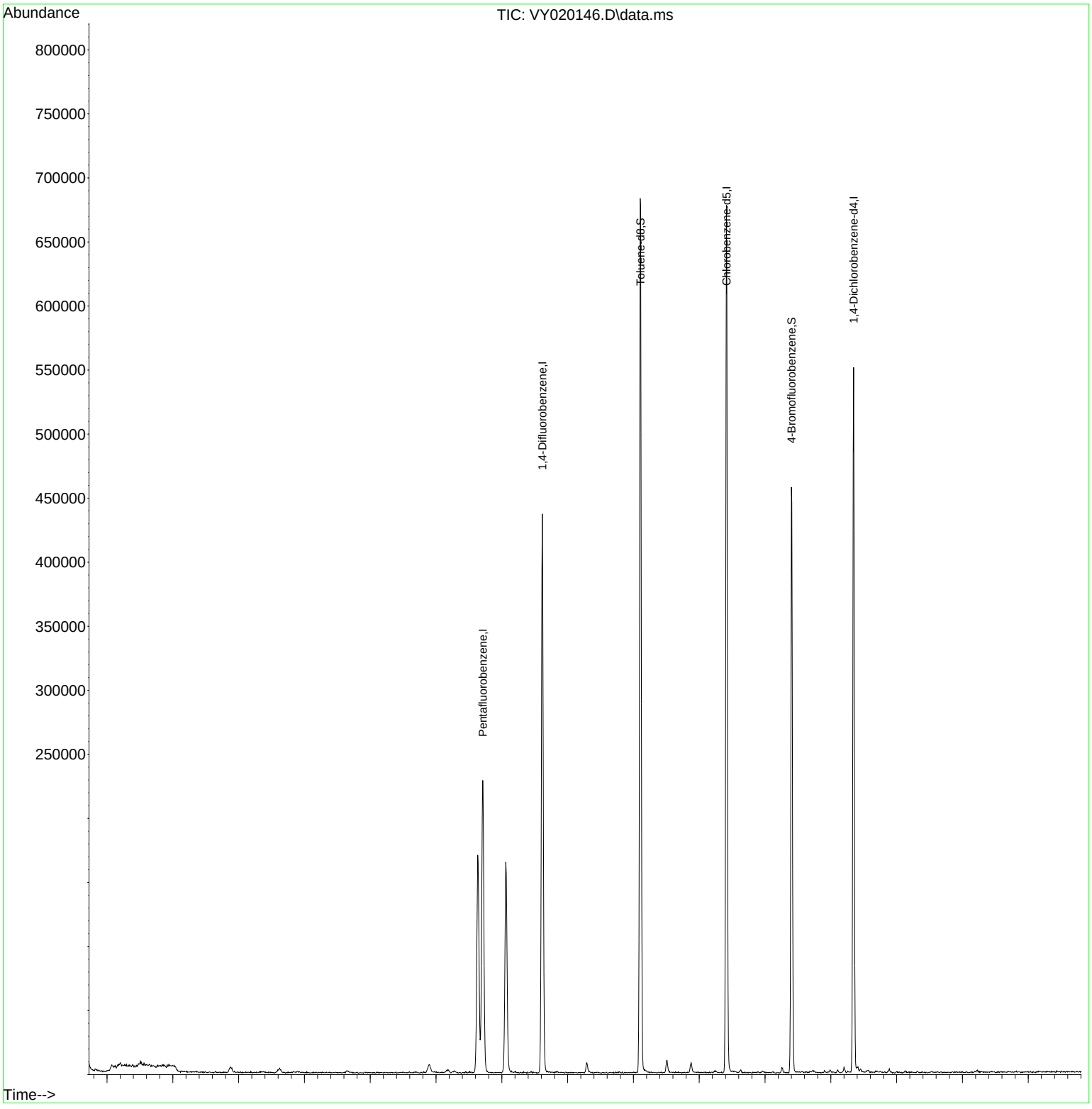
(#) = qualifier out of range (m) = manual integration (+) = signals summed

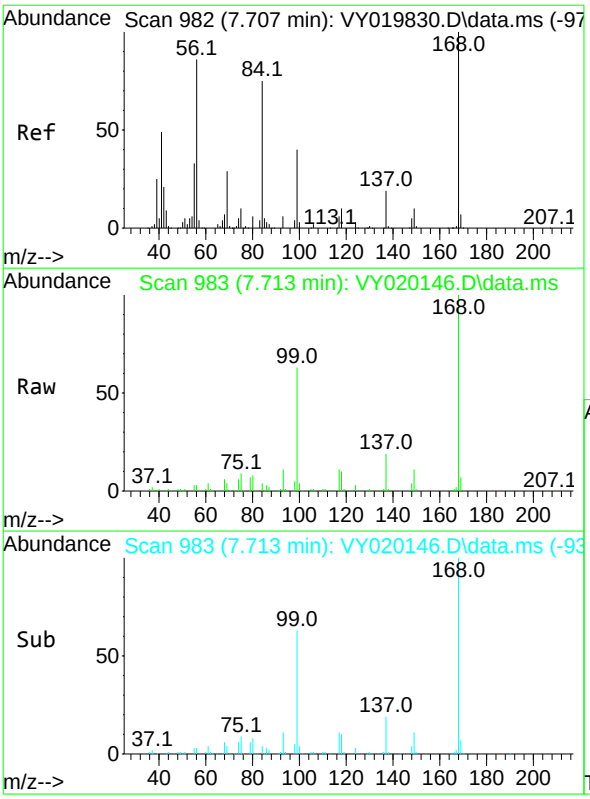
Sample Results: **VY020146.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY110424\
Data File : VY020146.D
Acq On : 04 Nov 2024 16:33
Operator : SY/MD
Sample : P4675-04
Misc : 6.60g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
COMP-4

Quant Time: Nov 05 00:34:26 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y103024S.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 15:23:13 2024
Response via : Initial Calibration



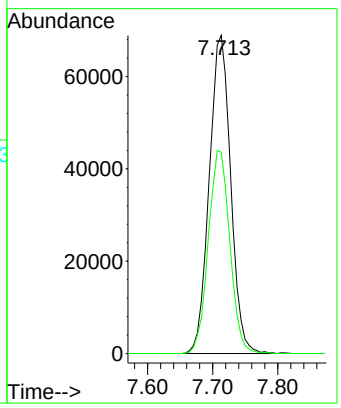


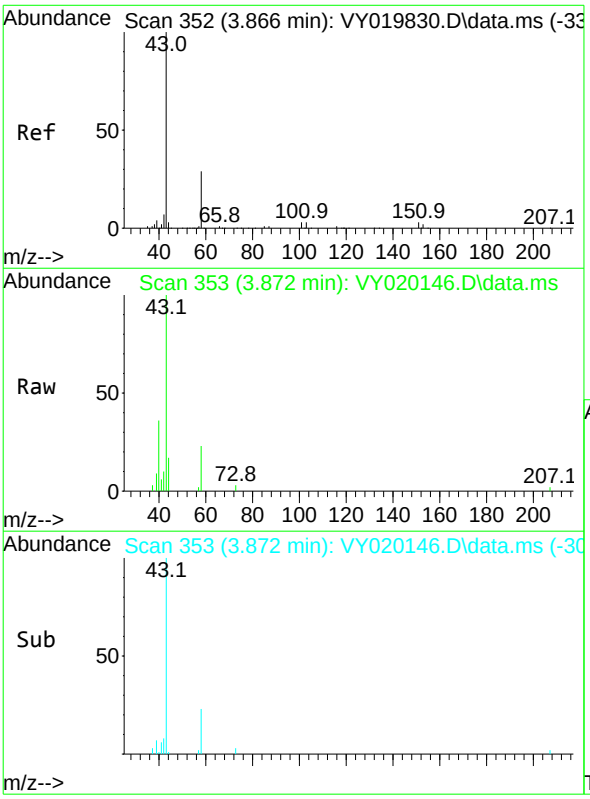
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 98
Delta R.T. 0.006 min
Lab File: VY020146.D
Acq: 04 Nov 2024 16:33

Instrument :
MSVOA_Y
ClientSampleId :
COMP-4

Tgt Ion:168 Resp: 157420

Ion	Ratio	Lower	Upper
168	100		
99	63.3	39.1	58.7#

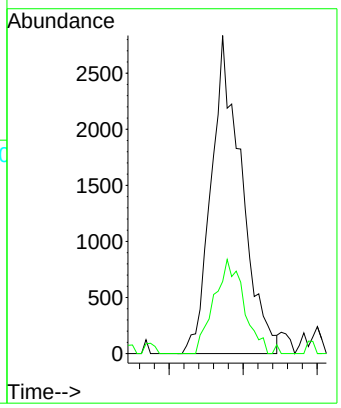


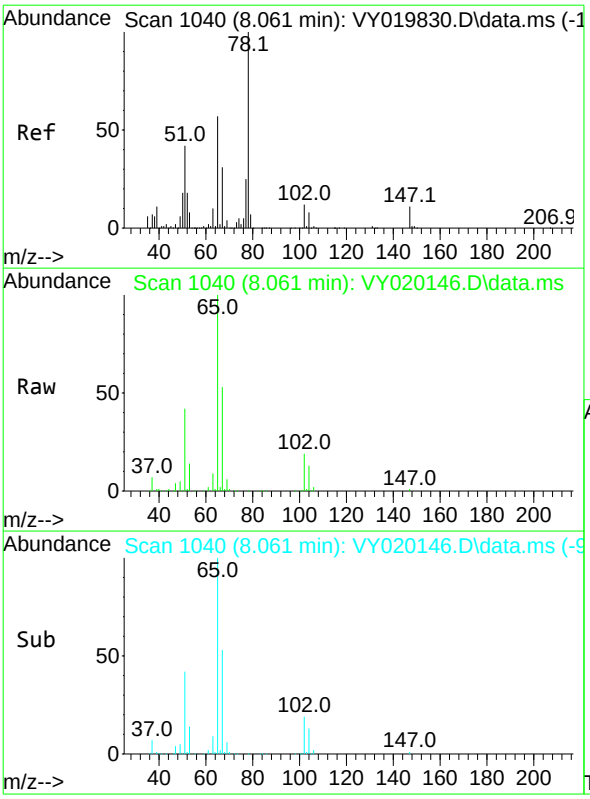


#16
Acetone
Concen: 17.608 ug/l
RT: 3.872 min Scan# 353
Delta R.T. 0.000 min
Lab File: VY020146.D
Acq: 04 Nov 2024 16:33

Tgt Ion: 43 Resp: 8045

Ion	Ratio	Lower	Upper
43	100		
58	22.7	31.7	47.5#



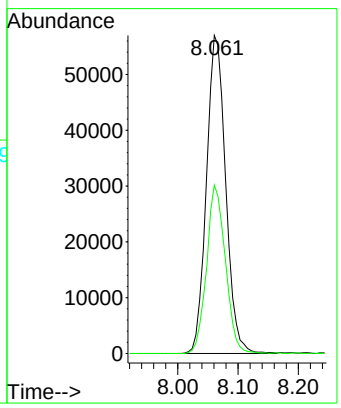


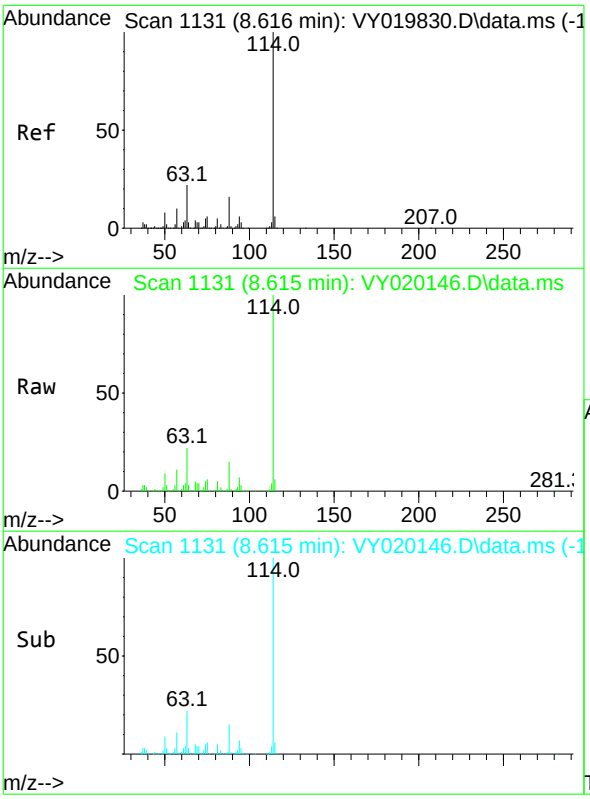
#33
1,2-Dichloroethane-d4
Concen: 64.289 ug/l
RT: 8.061 min Scan# 10
Delta R.T. 0.000 min
Lab File: VY020146.D
Acq: 04 Nov 2024 16:33

Instrument :
MSVOA_Y
ClientSampleId :
COMP-4

Tgt Ion: 65 Resp: 126309

Ion	Ratio	Lower	Upper
65	100		
67	51.8	0.0	109.6

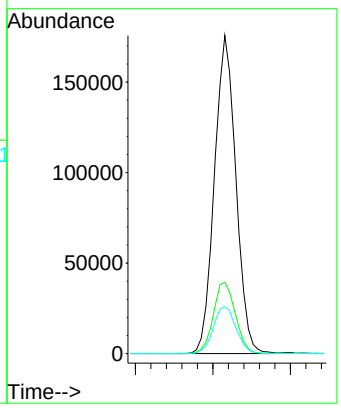


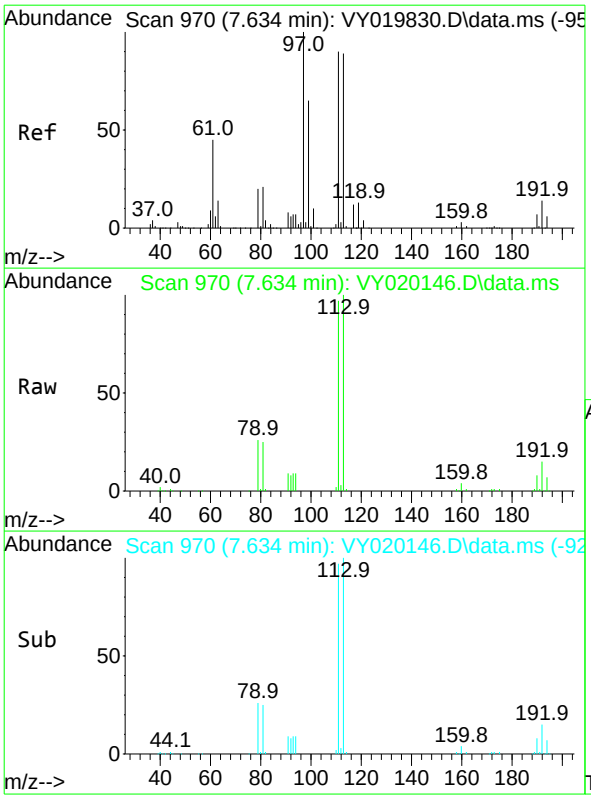


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.615 min Scan# 1131
Delta R.T. 0.000 min
Lab File: VY020146.D
Acq: 04 Nov 2024 16:33

Tgt Ion:114 Resp: 338266

Ion	Ratio	Lower	Upper
114	100		
63	22.4	0.0	35.0
88	14.8	0.0	27.2



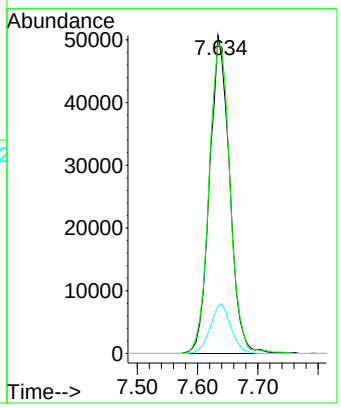


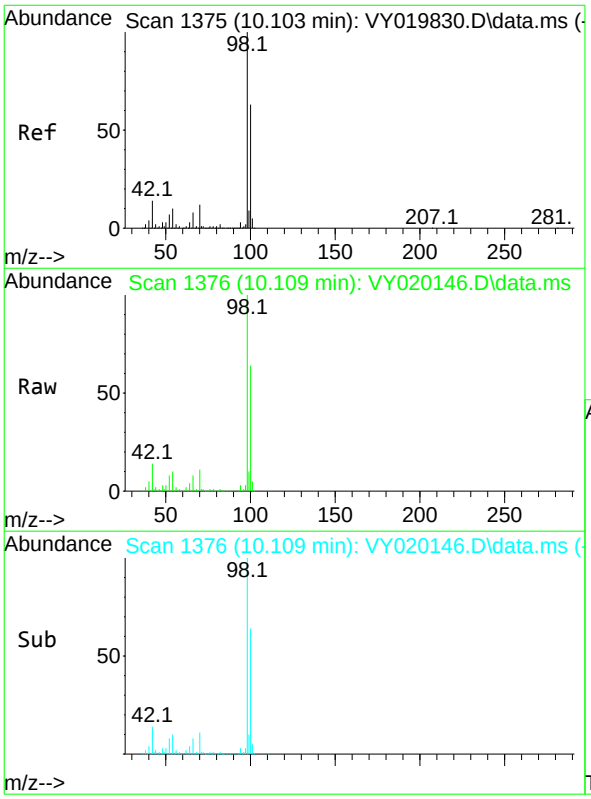
#35
Dibromofluoromethane
Concen: 54.340 ug/l
RT: 7.634 min Scan# 97
Delta R.T. 0.000 min
Lab File: VY020146.D
Acq: 04 Nov 2024 16:33

Instrument :
MSVOA_Y
ClientSampleId :
COMP-4

Tgt Ion:113 Resp: 116867

Ion	Ratio	Lower	Upper
113	100		
111	102.8	82.2	123.4
192	16.0	15.9	23.9

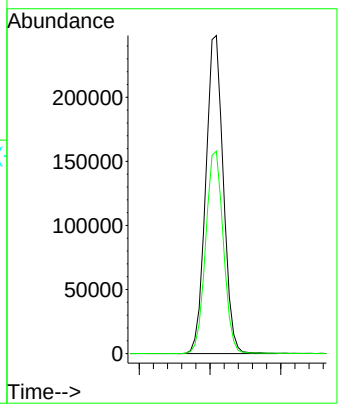


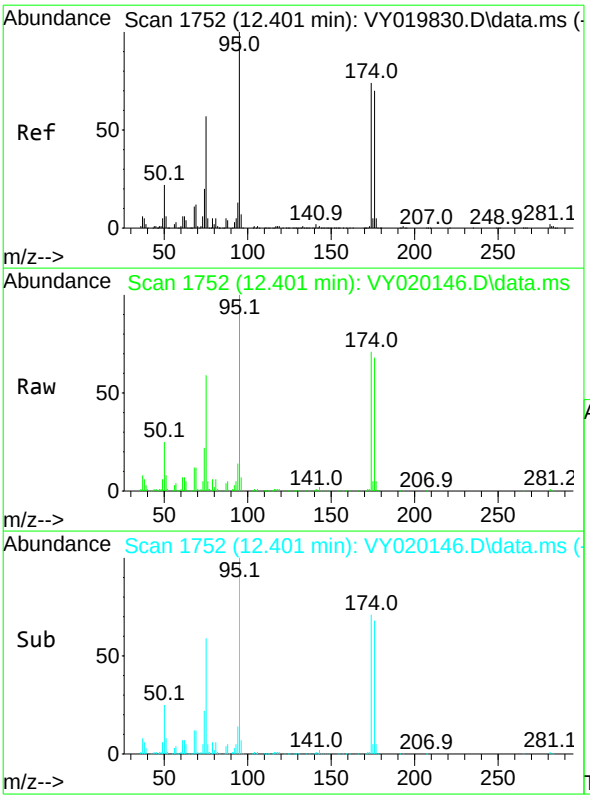


#50
Toluene-d8
Concen: 49.924 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. 0.000 min
Lab File: VY020146.D
Acq: 04 Nov 2024 16:33

Tgt Ion: 98 Resp: 427385

Ion	Ratio	Lower	Upper
98	100		
100	64.3	52.0	78.0



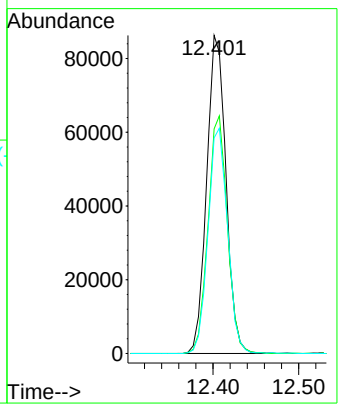


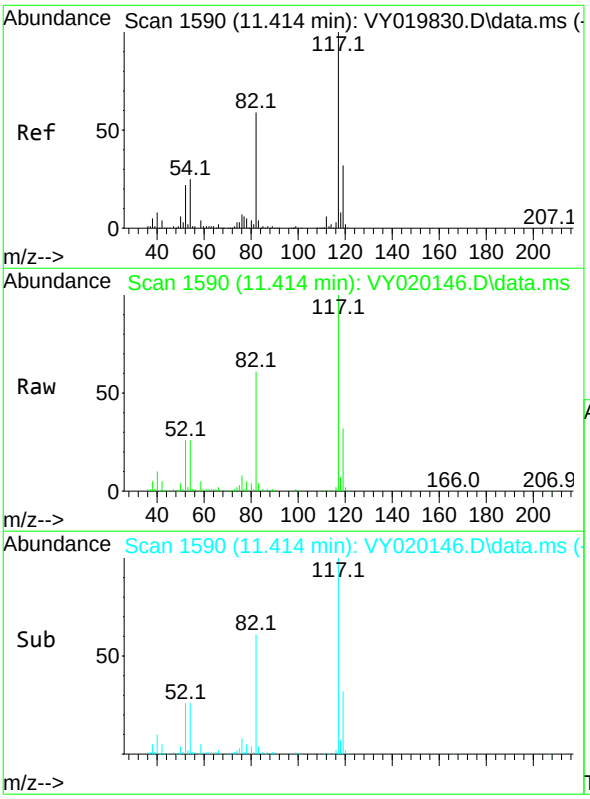
#62
4-Bromofluorobenzene
Concen: 48.464 ug/l
RT: 12.401 min Scan# 17
Delta R.T. -0.006 min
Lab File: VY020146.D
Acq: 04 Nov 2024 16:33

Instrument :
MSVOA_Y
ClientSampleId :
COMP-4

Tgt Ion: 95 Resp: 134761

Ion	Ratio	Lower	Upper
95	100		
174	74.9	0.0	175.6
176	71.6	0.0	171.4

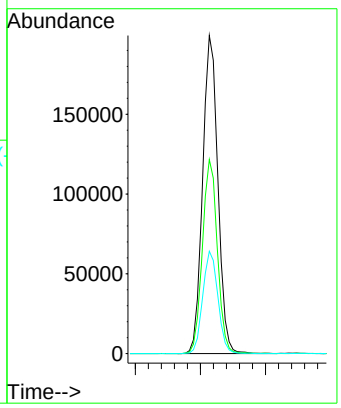


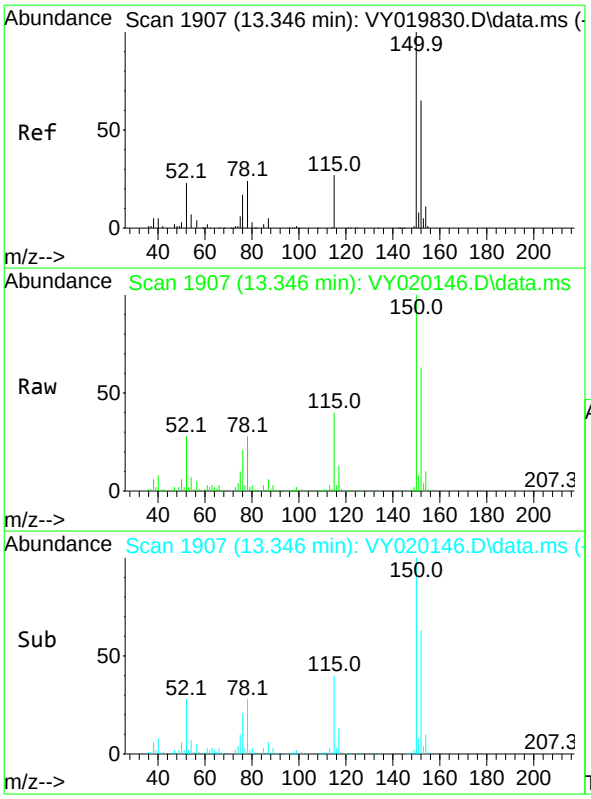


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1590
Delta R.T. -0.006 min
Lab File: VY020146.D
Acq: 04 Nov 2024 16:33

Tgt Ion:117 Resp: 324300

Ion	Ratio	Lower	Upper
117	100		
82	61.0	42.4	63.6
119	32.2	25.9	38.9



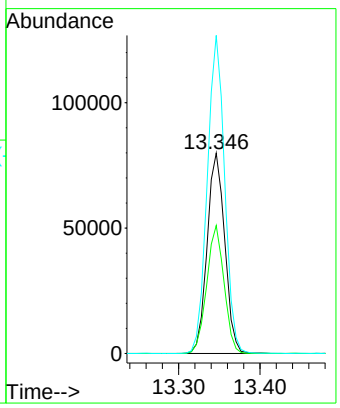


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 19
Delta R.T. 0.000 min
Lab File: VY020146.D
Acq: 04 Nov 2024 16:33

Instrument :
MSVOA_Y
ClientSampleId :
COMP-4

Tgt Ion:152 Resp: 120297

Ion	Ratio	Lower	Upper
152	100		
115	62.7	28.2	84.7
150	156.4	0.0	345.6



Raw Data: **VY020145.D**

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	Kleinfelder	Date Collected:	10/31/24
Project:	Harrington School	Date Received:	11/01/24
Client Sample ID:	COMP-5	SDG No.:	P4675
Lab Sample ID:	P4675-05	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	82.1
Sample Wt/Vol:	6.27 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY020145.D	1		11/04/24 16:10	VY110424

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
156-59-2	cis-1,2-Dichloroethene	0.59	U	0.59	4.90	ug/Kg
71-55-6	1,1,1-Trichloroethane	0.76	U	0.76	4.90	ug/Kg
71-43-2	Benzene	0.70	U	0.70	4.90	ug/Kg
79-01-6	Trichloroethene	0.73	U	0.73	4.90	ug/Kg
108-88-3	Toluene	0.65	U	0.65	4.90	ug/Kg
100-41-4	Ethyl Benzene	0.60	U	0.60	4.90	ug/Kg
1330-20-7	Total Xylenes	1.98	U	1.98	14.6	ug/Kg
98-82-8	Isopropylbenzene	0.65	U	0.65	4.90	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	60.8		50 - 163	122%	SPK: 50
1868-53-7	Dibromofluoromethane	53.9		54 - 147	108%	SPK: 50
2037-26-5	Toluene-d8	48.7		58 - 134	97%	SPK: 50
460-00-4	4-Bromofluorobenzene	43.0		29 - 146	86%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	92200	7.707			
540-36-3	1,4-Difluorobenzene	187000	8.616			
3114-55-4	Chlorobenzene-d5	168000	11.414			
3855-82-1	1,4-Dichlorobenzene-d4	56600	13.346			

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

Sample Results: **VY020145.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY110424\
Data File : VY020145.D
Acq On : 04 Nov 2024 16:10
Operator : SY/MD
Sample : P4675-05
Misc : 6.27g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
COMP-5

Quant Time: Nov 05 00:34:01 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y103024S.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 15:23:13 2024
Response via : Initial Calibration

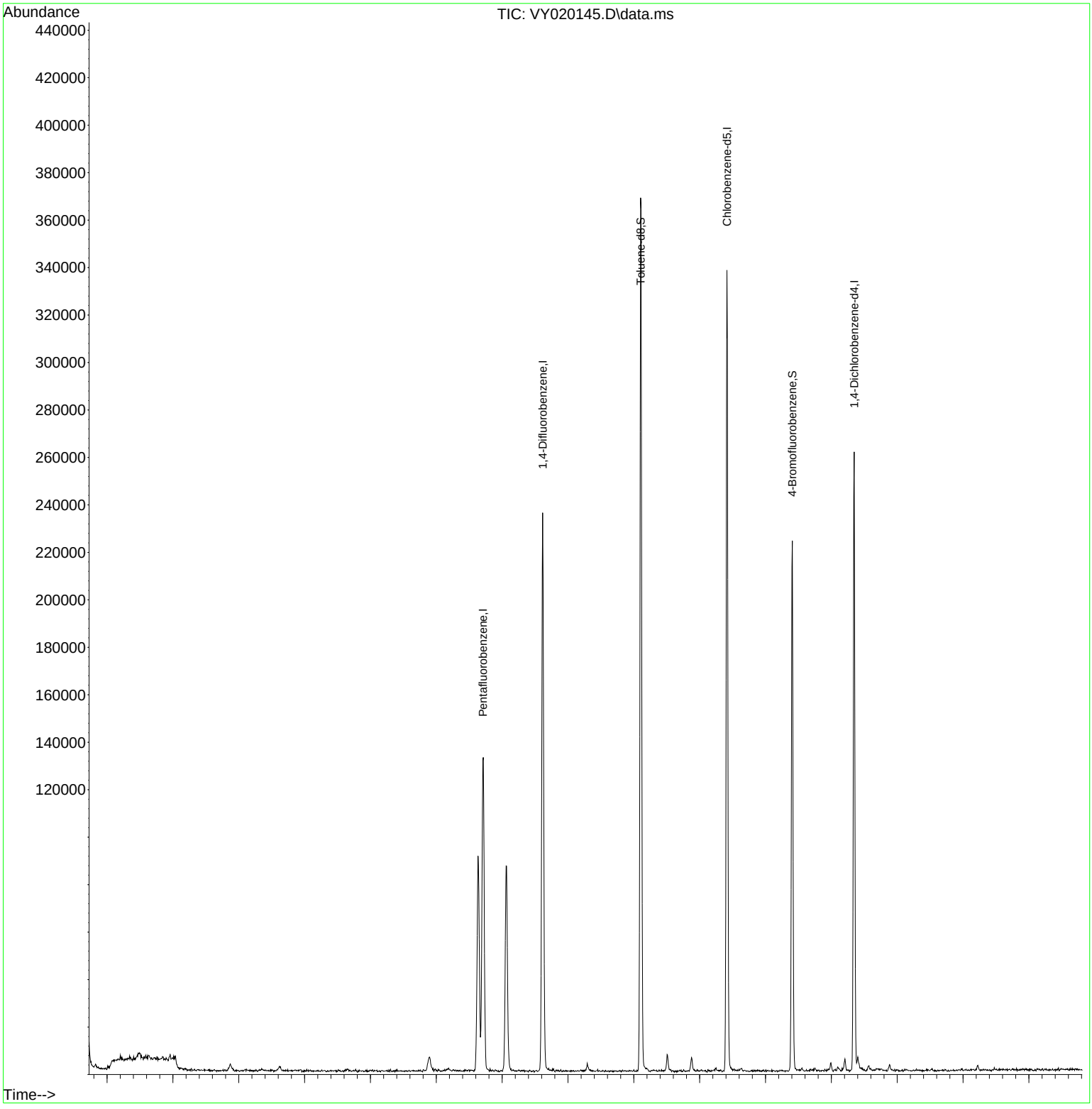
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.707	168	92185	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.616	114	187487	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	168357	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	56627	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	69924	60.776	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 121.560%			
35) Dibromofluoromethane	7.634	113	64233	53.885	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 107.780%			
50) Toluene-d8	10.103	98	230867	48.656	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 97.320%			
62) 4-Bromofluorobenzene	12.408	95	66232	42.975	ug/l	0.00
Spiked Amount 50.000	Range 29 - 146		Recovery = 85.940%			
Target Compounds						Qvalue
16) Acetone	3.873	43	4596	17.177	ug/l #	83

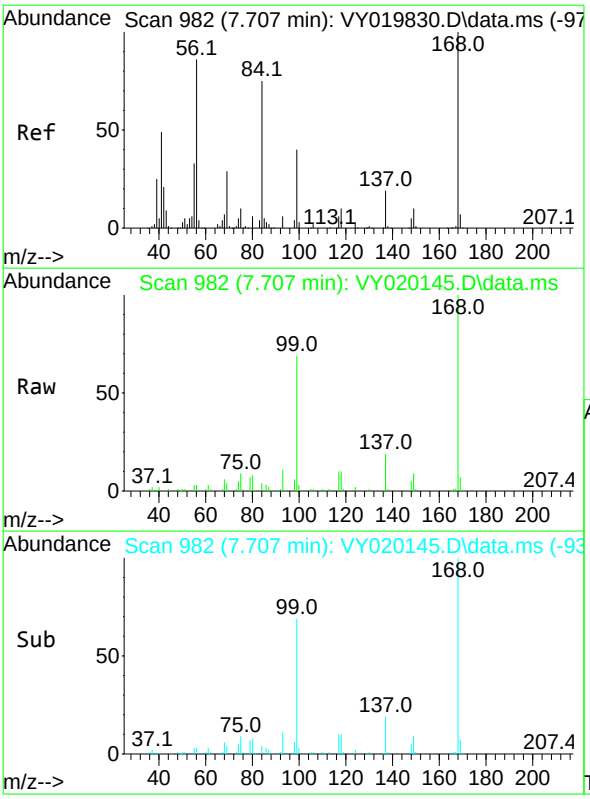
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY110424\
Data File : VY020145.D
Acq On : 04 Nov 2024 16:10
Operator : SY/MD
Sample : P4675-05
Misc : 6.27g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
COMP-5

Quant Time: Nov 05 00:34:01 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y103024S.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 15:23:13 2024
Response via : Initial Calibration



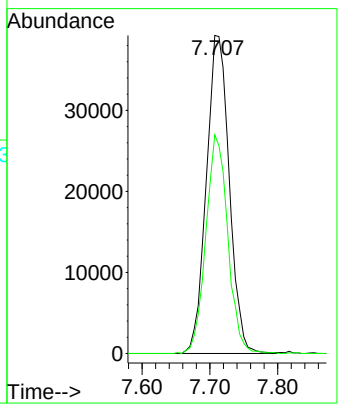


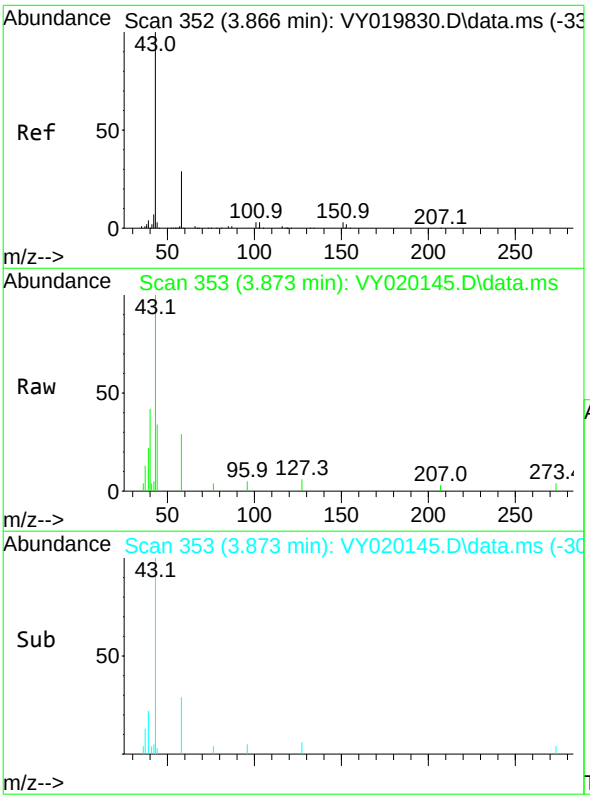
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 98
Delta R.T. 0.000 min
Lab File: VY020145.D
Acq: 04 Nov 2024 16:10

Instrument :
MSVOA_Y
ClientSampleId :
COMP-5

Tgt Ion:168 Resp: 92185

Ion	Ratio	Lower	Upper
168	100		
99	68.5	39.1	58.7#

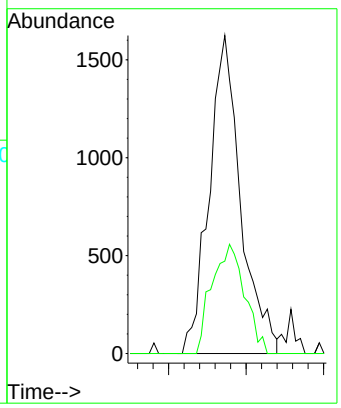


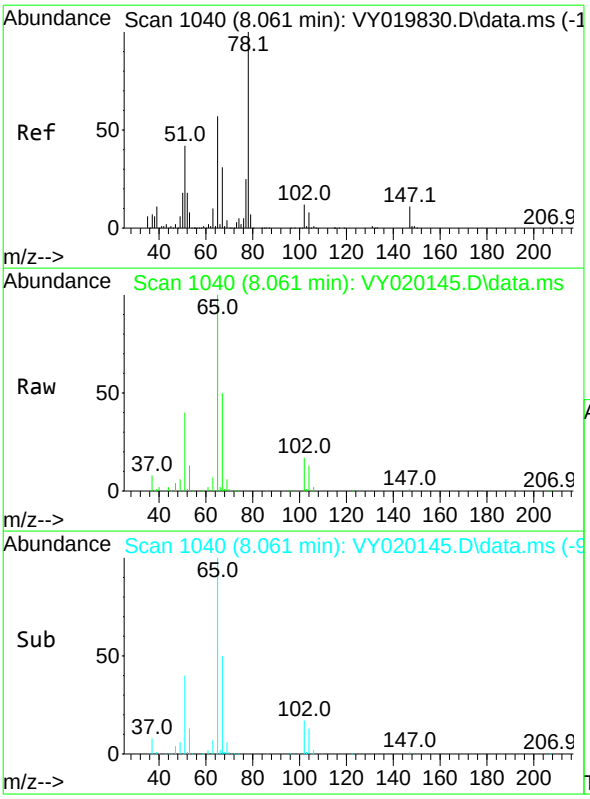


#16
Acetone
Concen: 17.177 ug/l
RT: 3.873 min Scan# 353
Delta R.T. 0.000 min
Lab File: VY020145.D
Acq: 04 Nov 2024 16:10

Tgt Ion: 43 Resp: 4596

Ion	Ratio	Lower	Upper
43	100		
58	29.1	31.7	47.5#



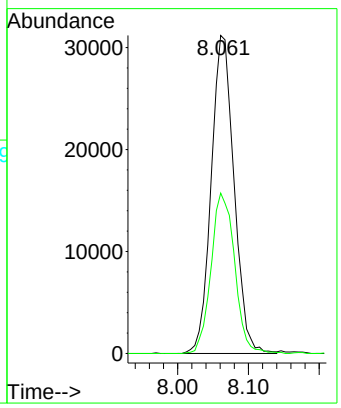


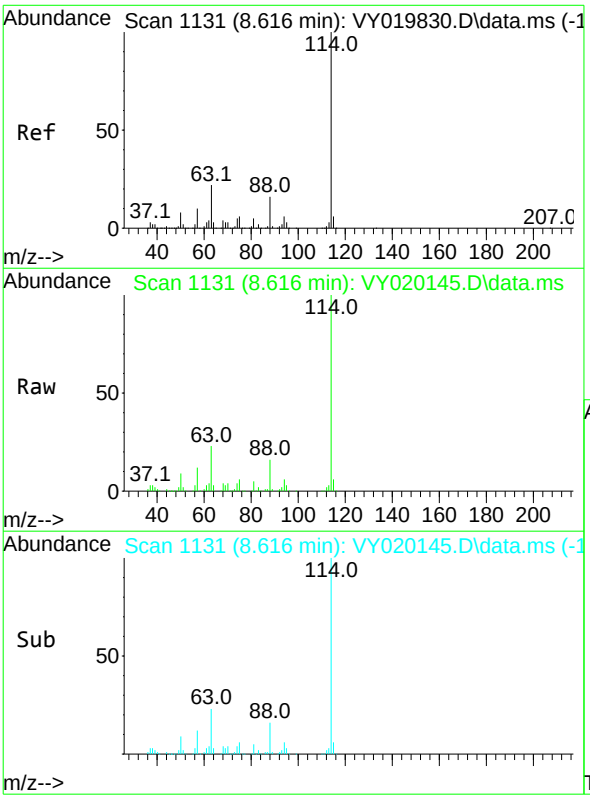
#33
1,2-Dichloroethane-d4
Concen: 60.776 ug/l
RT: 8.061 min Scan# 10
Delta R.T. 0.000 min
Lab File: VY020145.D
Acq: 04 Nov 2024 16:10

Instrument :
MSVOA_Y
ClientSampleId :
COMP-5

Tgt Ion: 65 Resp: 69924

Ion	Ratio	Lower	Upper
65	100		
67	52.1	0.0	109.6

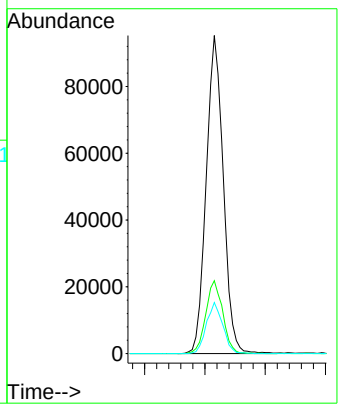


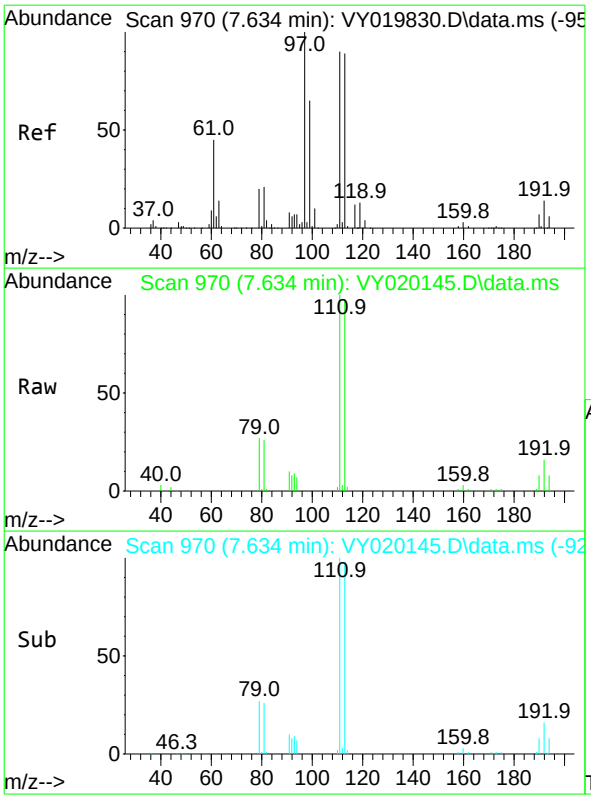


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1131
Delta R.T. 0.000 min
Lab File: VY020145.D
Acq: 04 Nov 2024 16:10

Tgt Ion:114 Resp: 187487

Ion	Ratio	Lower	Upper
114	100		
63	22.9	0.0	35.0
88	16.0	0.0	27.2



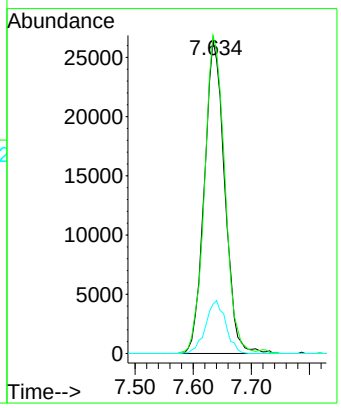


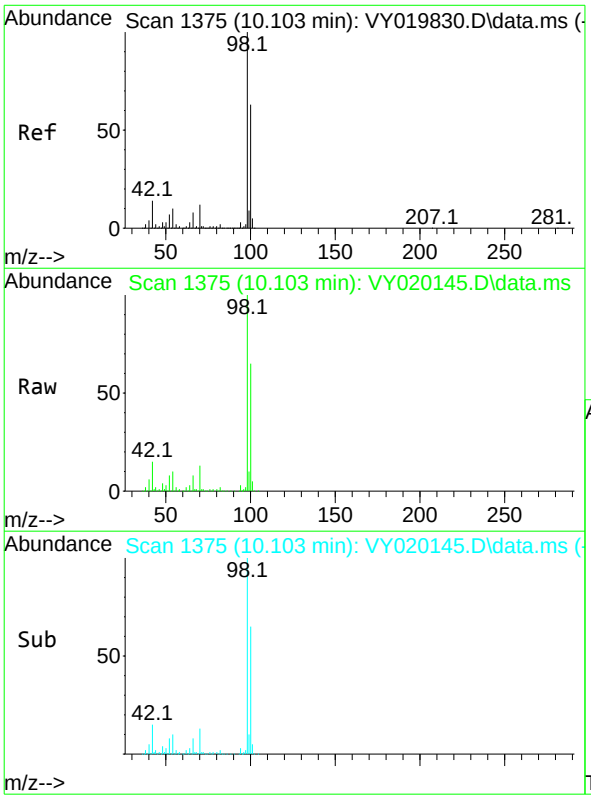
#35
Dibromofluoromethane
Concen: 53.885 ug/l
RT: 7.634 min Scan# 97
Delta R.T. 0.000 min
Lab File: VY020145.D
Acq: 04 Nov 2024 16:10

Instrument :
MSVOA_Y
ClientSampleId :
COMP-5

Tgt Ion:113 Resp: 64233

Ion	Ratio	Lower	Upper
113	100		
111	101.5	82.2	123.4
192	16.7	15.9	23.9

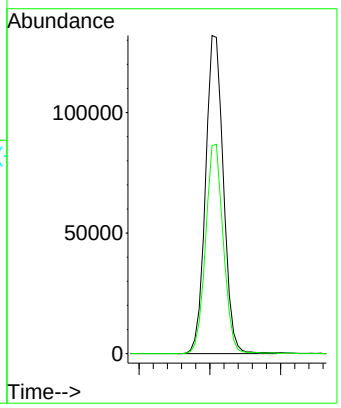


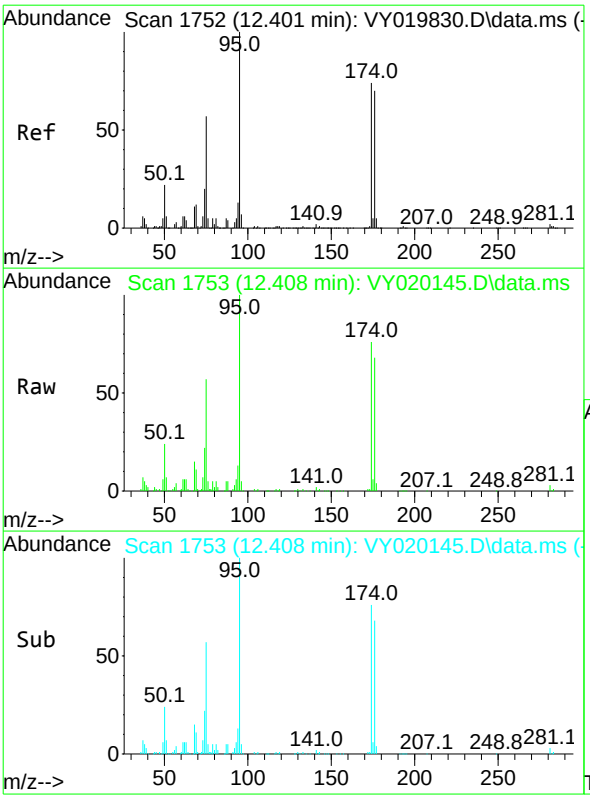


#50
Toluene-d8
Concen: 48.656 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. -0.006 min
Lab File: VY020145.D
Acq: 04 Nov 2024 16:10

Tgt Ion: 98 Resp: 230867

Ion	Ratio	Lower	Upper
98	100		
100	65.4	52.0	78.0



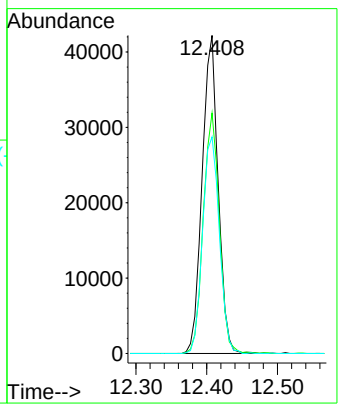


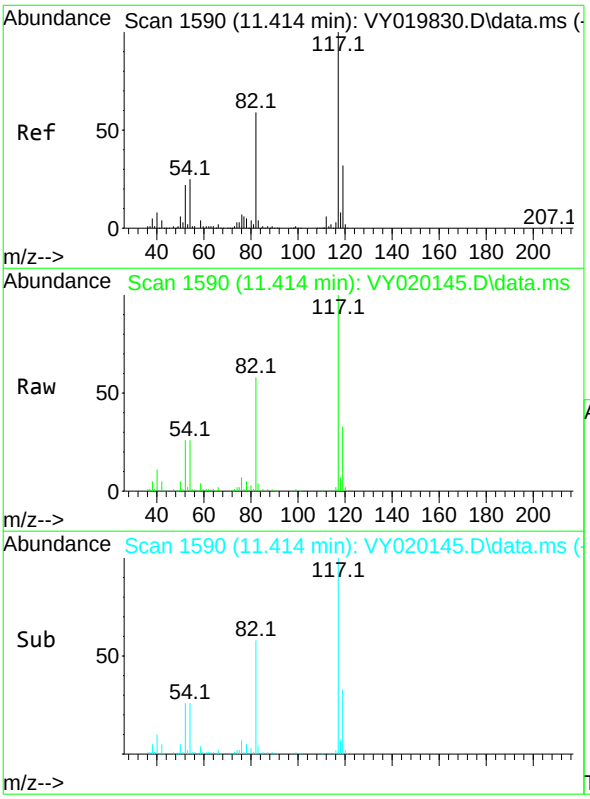
#62
4-Bromofluorobenzene
Concen: 42.975 ug/l
RT: 12.408 min Scan# 17
Delta R.T. 0.000 min
Lab File: VY020145.D
Acq: 04 Nov 2024 16:10

Instrument :
MSVOA_Y
ClientSampleId :
COMP-5

Tgt Ion: 95 Resp: 66232

Ion	Ratio	Lower	Upper
95	100		
174	75.9	0.0	175.6
176	71.3	0.0	171.4

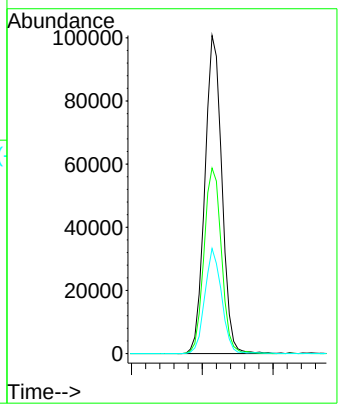


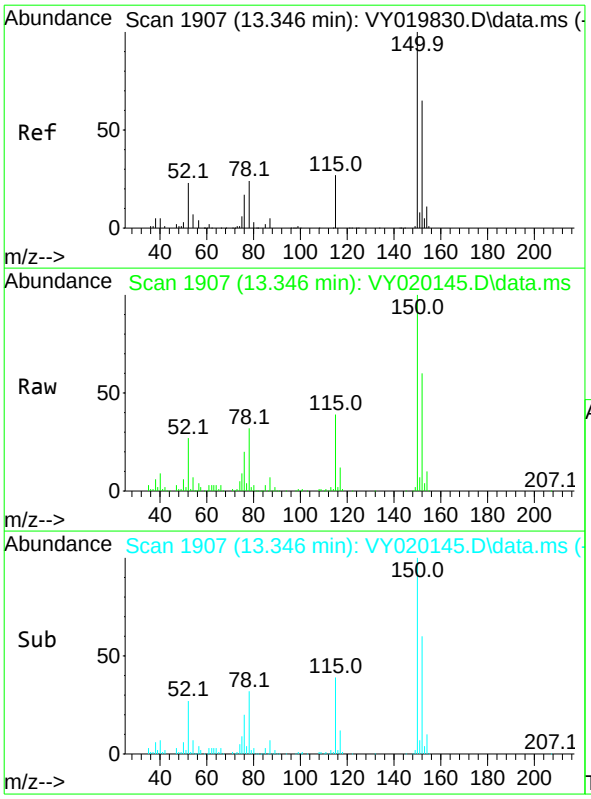


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1590
Delta R.T. -0.006 min
Lab File: VY020145.D
Acq: 04 Nov 2024 16:10

Tgt Ion:117 Resp: 168357

Ion	Ratio	Lower	Upper
117	100		
82	58.3	42.4	63.6
119	33.0	25.9	38.9



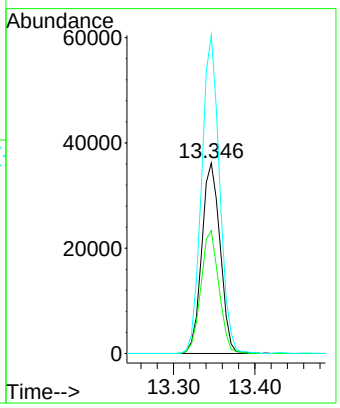


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 19
Delta R.T. 0.000 min
Lab File: VY020145.D
Acq: 04 Nov 2024 16:10

Instrument :
MSVOA_Y
ClientSampleId :
COMP-5

Tgt Ion:152 Resp: 56627

Ion	Ratio	Lower	Upper
152	100		
115	63.4	28.2	84.7
150	163.6	0.0	345.6



Raw Data: **VY020144.D**

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	Kleinfelder	Date Collected:	10/31/24
Project:	Harrington School	Date Received:	11/01/24
Client Sample ID:	COMP-6	SDG No.:	P4675
Lab Sample ID:	P4675-06	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	81.3
Sample Wt/Vol:	6.15 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY020144.D	1		11/04/24 15:46	VY110424

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
156-59-2	cis-1,2-Dichloroethene	0.61	U	0.61	5.00	ug/Kg
71-55-6	1,1,1-Trichloroethane	0.78	U	0.78	5.00	ug/Kg
71-43-2	Benzene	0.72	U	0.72	5.00	ug/Kg
79-01-6	Trichloroethene	0.75	U	0.75	5.00	ug/Kg
108-88-3	Toluene	0.67	U	0.67	5.00	ug/Kg
100-41-4	Ethyl Benzene	0.62	U	0.62	5.00	ug/Kg
1330-20-7	Total Xylenes	2.10	U	2.10	15.0	ug/Kg
98-82-8	Isopropylbenzene	0.67	U	0.67	5.00	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	57.0		50 - 163	114%	SPK: 50
1868-53-7	Dibromofluoromethane	52.7		54 - 147	105%	SPK: 50
2037-26-5	Toluene-d8	49.9		58 - 134	100%	SPK: 50
460-00-4	4-Bromofluorobenzene	46.3		29 - 146	93%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	163000	7.713			
540-36-3	1,4-Difluorobenzene	342000	8.615			
3114-55-4	Chlorobenzene-d5	319000	11.414			
3855-82-1	1,4-Dichlorobenzene-d4	114000	13.346			

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

Sample Results: **VY020144.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY110424\
Data File : VY020144.D
Acq On : 04 Nov 2024 15:46
Operator : SY/MD
Sample : P4675-06
Misc : 6.15g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
COMP-6

Quant Time: Nov 05 00:33:36 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y103024S.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 15:23:13 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.713	168	163201	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.615	114	341777	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	319250	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	113506	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	116055	56.978	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 113.960%			
35) Dibromofluoromethane	7.640	113	114620	52.747	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 105.500%			
50) Toluene-d8	10.109	98	431348	49.869	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 99.740%			
62) 4-Bromofluorobenzene	12.407	95	130041	46.286	ug/l	0.00
Spiked Amount 50.000	Range 29 - 146		Recovery = 92.580%			
Target Compounds						Qvalue

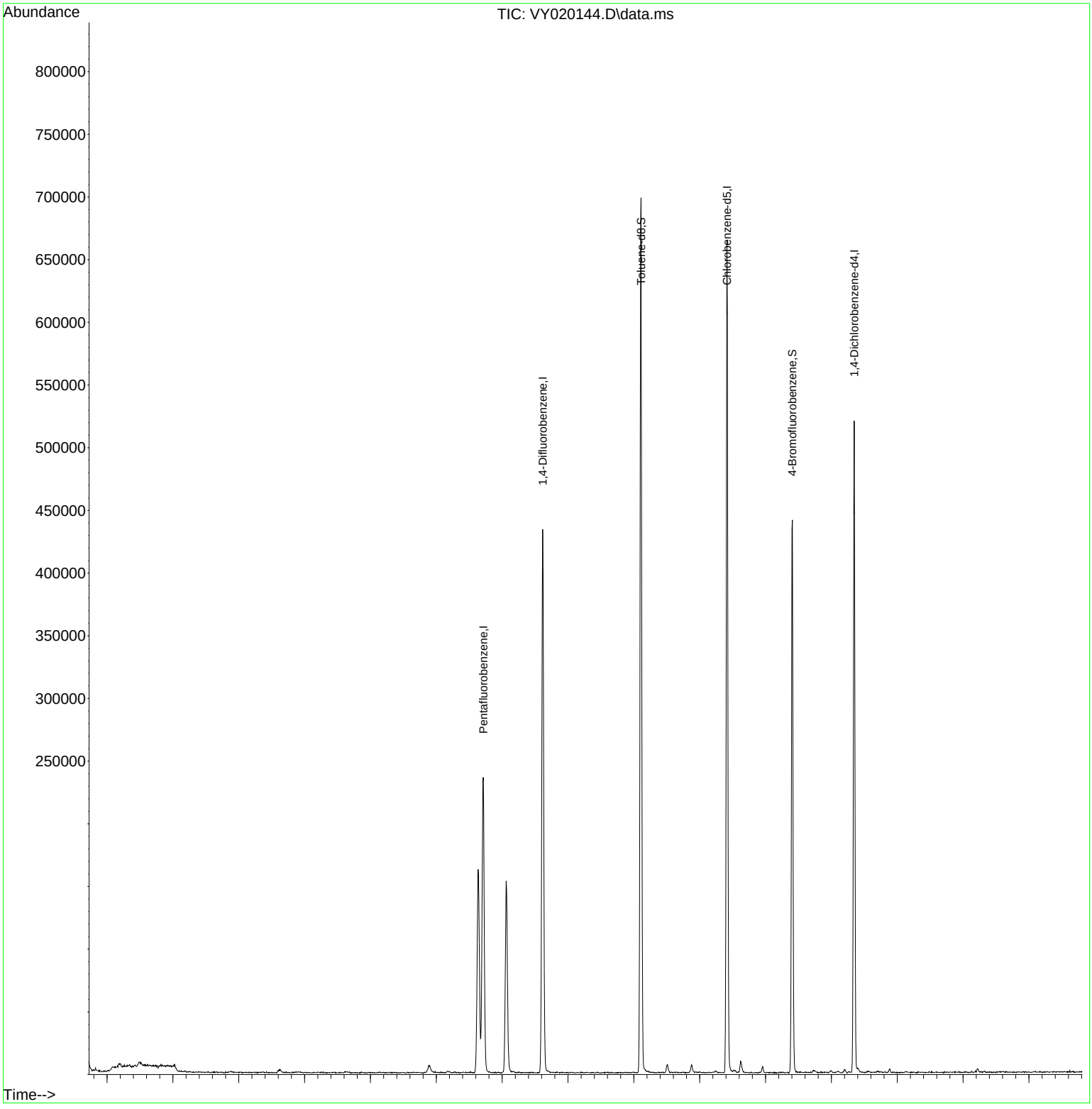
(#) = qualifier out of range (m) = manual integration (+) = signals summed

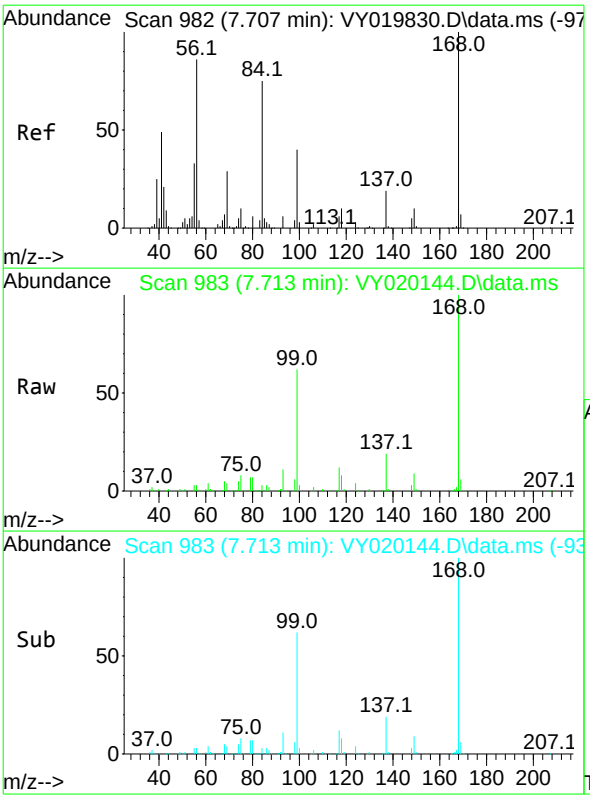
Sample Results: **VY020144.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY110424\
Data File : VY020144.D
Acq On : 04 Nov 2024 15:46
Operator : SY/MD
Sample : P4675-06
Misc : 6.15g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
COMP-6

Quant Time: Nov 05 00:33:36 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y103024S.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 15:23:13 2024
Response via : Initial Calibration



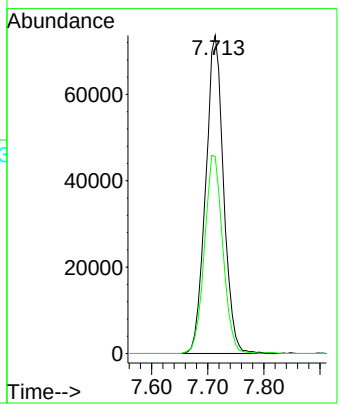


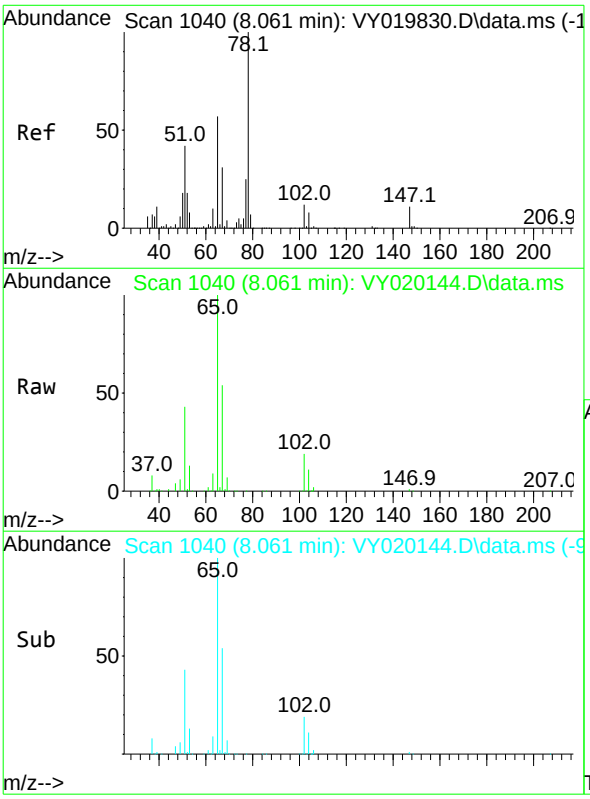
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 98
Delta R.T. 0.006 min
Lab File: VY020144.D
Acq: 04 Nov 2024 15:46

Instrument :
MSVOA_Y
ClientSampleId :
COMP-6

Tgt Ion:168 Resp: 163201

Ion	Ratio	Lower	Upper
168	100		
99	61.9	39.1	58.7#

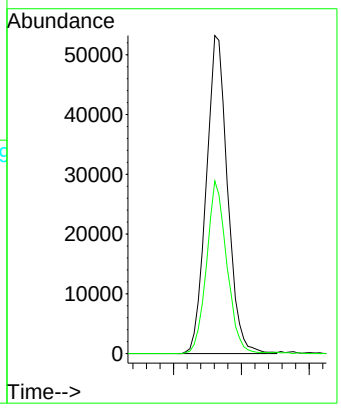


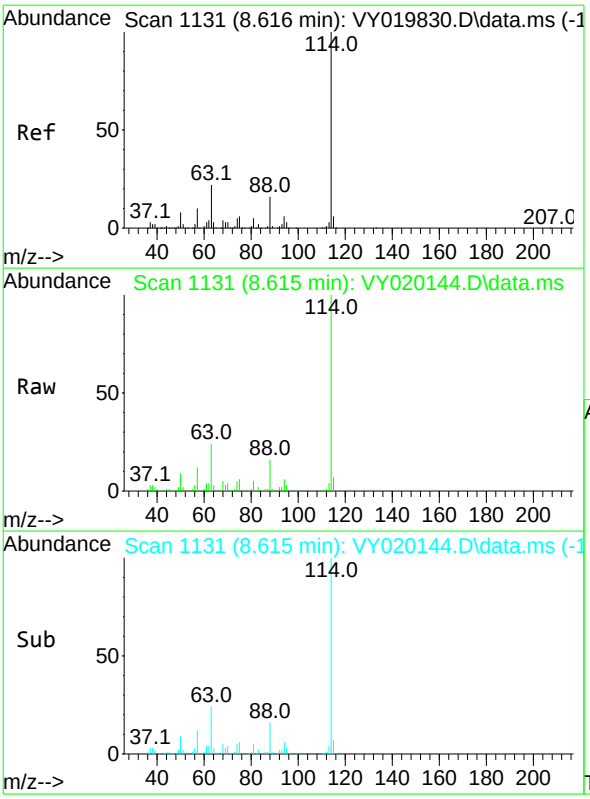


#33
1,2-Dichloroethane-d4
Concen: 56.978 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. 0.000 min
Lab File: VY020144.D
Acq: 04 Nov 2024 15:46

Tgt Ion: 65 Resp: 116055

Ion	Ratio	Lower	Upper
65	100		
67	51.5	0.0	109.6



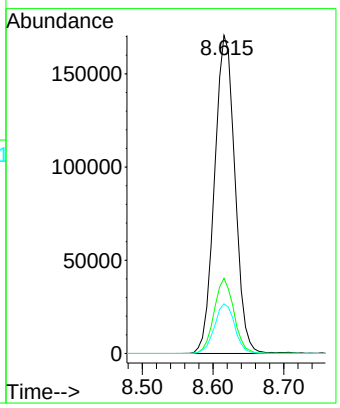


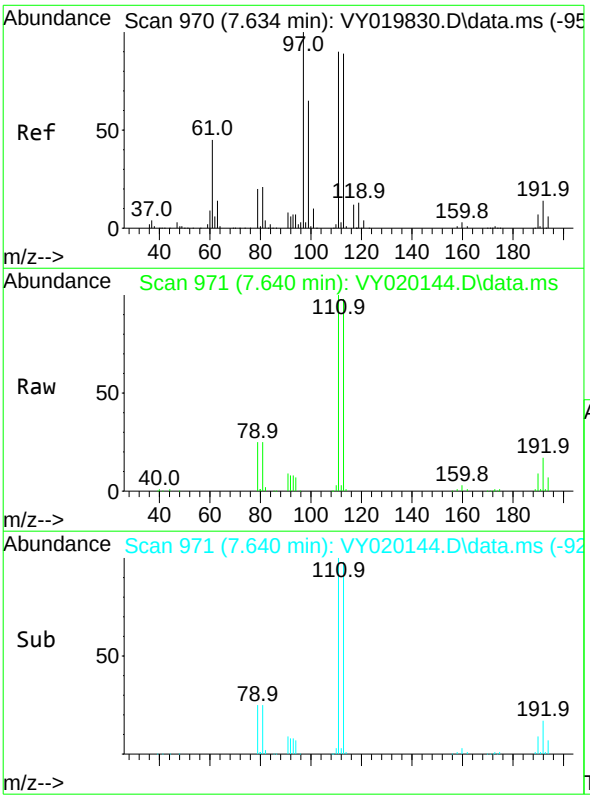
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.615 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY020144.D
Acq: 04 Nov 2024 15:46

Instrument :
MSVOA_Y
ClientSampleId :
COMP-6

Tgt Ion:114 Resp: 341777

Ion	Ratio	Lower	Upper
114	100		
63	23.7	0.0	35.0
88	15.6	0.0	27.2

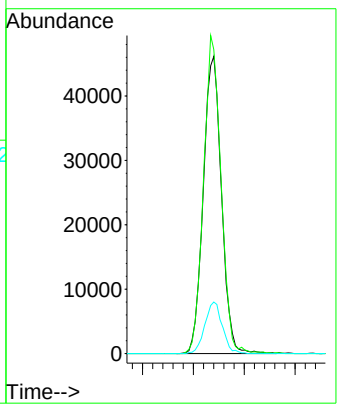


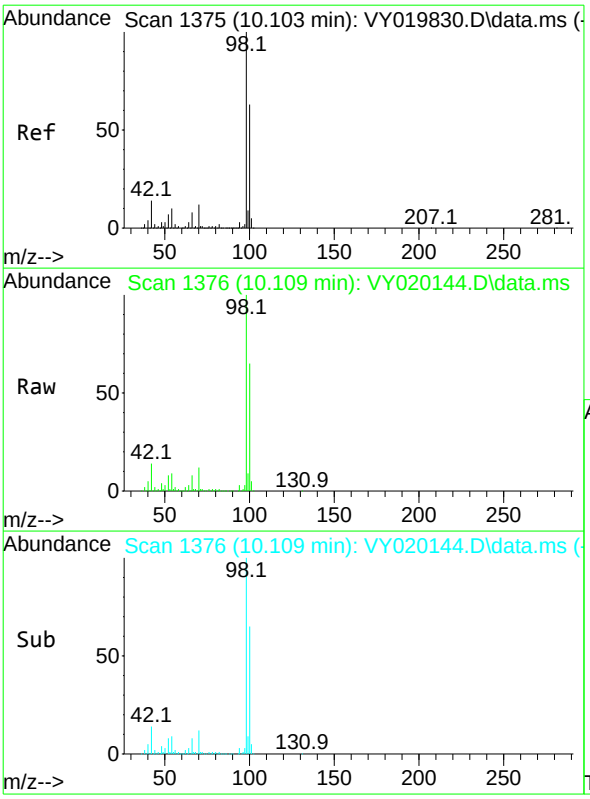


#35
Dibromofluoromethane
Concen: 52.747 ug/l
RT: 7.640 min Scan# 971
Delta R.T. 0.006 min
Lab File: VY020144.D
Acq: 04 Nov 2024 15:46

Tgt Ion:113 Resp: 114620

Ion	Ratio	Lower	Upper
113	100		
111	102.5	82.2	123.4
192	16.7	15.9	23.9



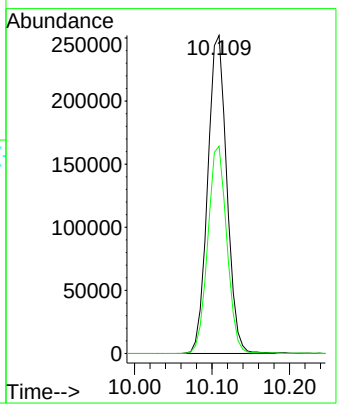


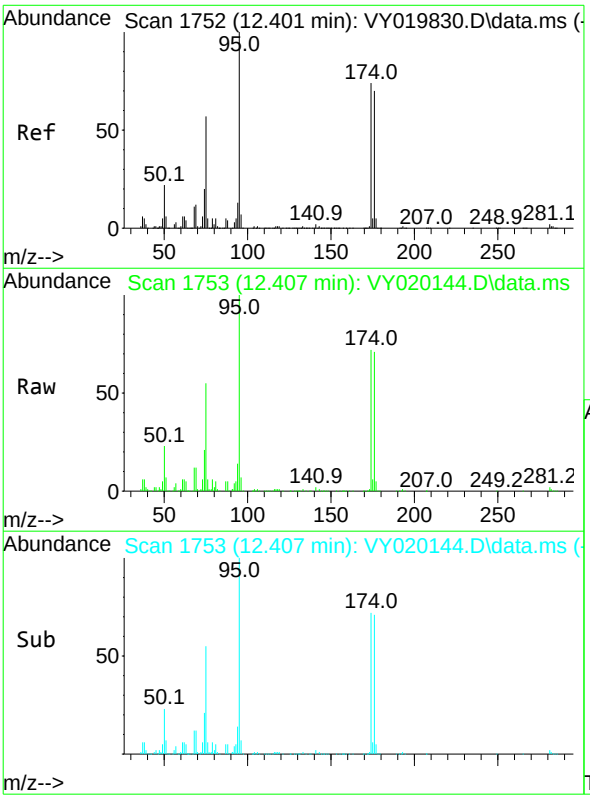
#50
Toluene-d8
Concen: 49.869 ug/l
RT: 10.109 min Scan# 13
Delta R.T. 0.000 min
Lab File: VY020144.D
Acq: 04 Nov 2024 15:46

Instrument :
MSVOA_Y
ClientSampleId :
COMP-6

Tgt Ion: 98 Resp: 431348

Ion	Ratio	Lower	Upper
98	100		
100	65.1	52.0	78.0

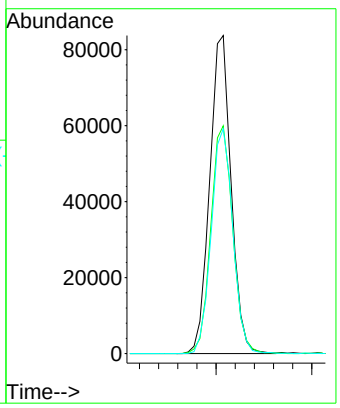


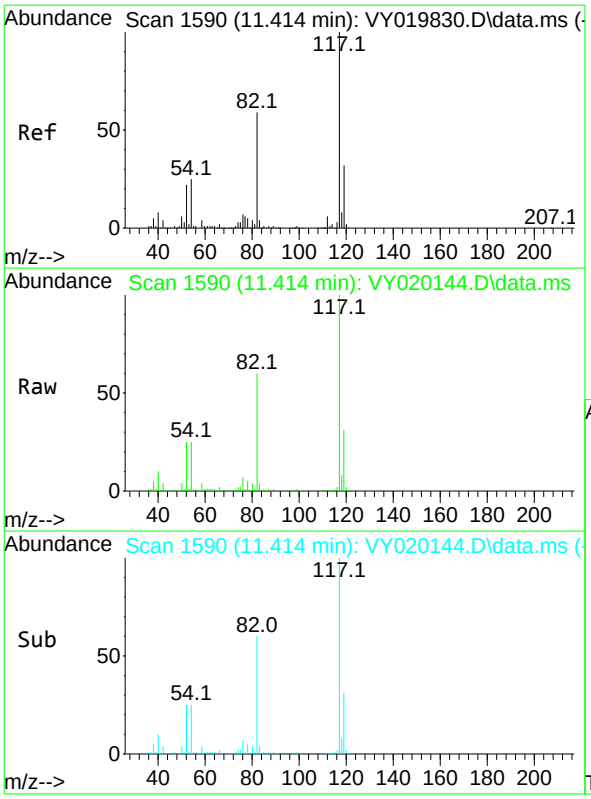


#62
4-Bromofluorobenzene
Concen: 46.286 ug/l
RT: 12.407 min Scan# 1753
Delta R.T. 0.000 min
Lab File: VY020144.D
Acq: 04 Nov 2024 15:46

Tgt Ion: 95 Resp: 130041

Ion	Ratio	Lower	Upper
95	100		
174	73.3	0.0	175.6
176	71.2	0.0	171.4



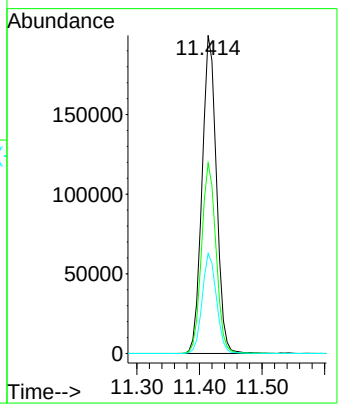


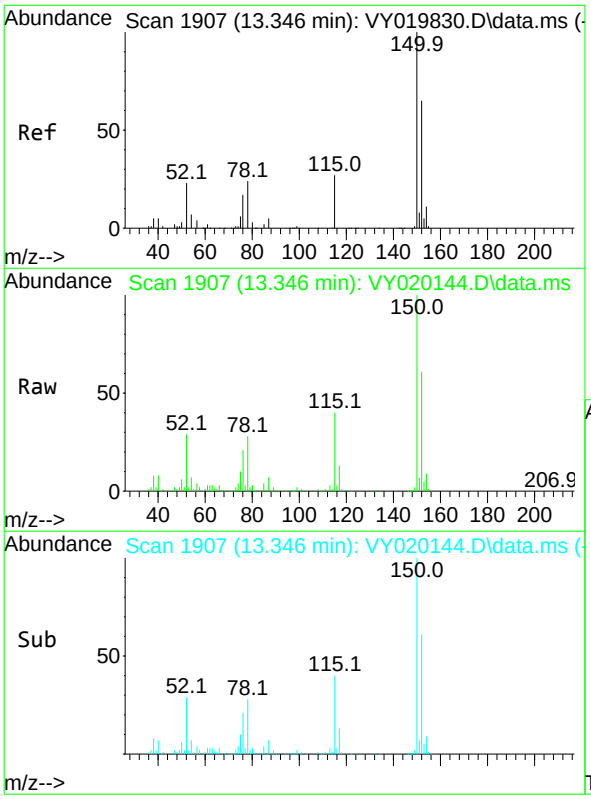
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 15
Delta R.T. -0.006 min
Lab File: VY020144.D
Acq: 04 Nov 2024 15:46

Instrument :
MSVOA_Y
ClientSampleId :
COMP-6

Tgt Ion:117 Resp: 319250

Ion	Ratio	Lower	Upper
117	100		
82	59.9	42.4	63.6
119	31.5	25.9	38.9

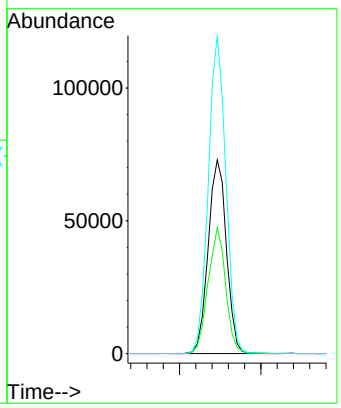




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1907
Delta R.T. 0.000 min
Lab File: VY020144.D
Acq: 04 Nov 2024 15:46

Tgt Ion:152 Resp: 113506

Ion	Ratio	Lower	Upper
152	100		
115	62.7	28.2	84.7
150	158.0	0.0	345.6



CALIBRATION SUMMARY

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: POWE02

Lab Code: CHEM Case No.: P4675 SAS No.: P4675 SDG No.: P4675

Instrument ID: MSVOA_Y Calibration Date(s): 10/30/2024 10/30/2024

Heated Purge: (Y/N) Y Calibration Time(s): 12:39 14:52

GC Column: RXI-624 ID: 0.25 (mm)

LAB FILE ID: RRF005 = VY020075.D RRF010 = VY020076.D RRF020 = VY020077.D
RRF050 = VY020078.D RRF100 = VY020079.D RRF150 = VY020080.D

COMPOUND	RRF005	RRF010	RRF020	RRF050	RRF100	RRF150	$\overline{RRF}$	% RSD
cis-1,2-Dichloroethene	0.646	0.714	0.715	0.646	0.740	0.736	0.700	6.1
1,1,1-Trichloroethane	0.986	1.026	1.009	0.950	1.041	1.069	1.013	4.1
Benzene	1.414	1.405	1.455	1.325	1.504	1.498	1.433	4.7
Trichloroethene	0.328	0.331	0.332	0.307	0.348	0.346	0.332	4.4
Toluene	0.803	0.859	0.900	0.833	0.953	0.953	0.884	7.1
Ethyl Benzene	1.886	1.934	2.015	1.876	2.114	2.124	1.992	5.5
m/p-Xylenes	0.685	0.693	0.742	0.692	0.779	0.782	0.729	6.2
o-Xylene	0.652	0.662	0.686	0.649	0.745	0.745	0.690	6.5
Isopropylbenzene	4.065	3.829	3.995	3.685	4.099	4.293	3.994	5.3
1,2-Dichloroethane-d4	0.608	0.657	0.578	0.586	0.668	0.647	0.624	6.1
Dibromofluoromethane	0.305	0.317	0.300	0.305	0.340	0.340	0.318	5.7
Toluene-d8	1.187	1.251	1.187	1.224	1.380	1.364	1.265	6.8
4-Bromofluorobenzene	0.371	0.402	0.376	0.399	0.463	0.454	0.411	9.5

* Compounds with required minimum RRF and maximum %RSD values.
All other compounds must meet a minimum RRF of 0.010.
RRF of 1,4-Dioxane = Value should be divide by 1000.

Response Factor Report GCVOA_Y

Method Path : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\
Method File : 82Y103024S.M
Title : SW846 8260
Last Update : Thu Oct 31 15:23:13 2024
Response Via : Initial Calibration

Calibration Files
5 =VY020075.D 10 =VY020076.D 20 =VY020077.D 50 =VY020078.D 100 =VY020079.D 150 =VY020080.D

		Compound	5	10	20	50	100	150	Avg	%RSD
1)	I	Pentafluorobenzene	----------ISTD----------							
2)	T	Dichlorodifluo...	0.507	0.488	0.482	0.381	0.456	0.463	0.463	9.46
3)	P	Chloromethane	0.831	0.835	0.791	0.683	0.731	0.728	0.767	8.07
4)	C	Vinyl Chloride	0.867	0.874	0.835	0.754	0.809	0.799	0.823	5.49#
5)	T	Bromomethane	0.631	0.574	0.545	0.480	0.521	0.528	0.546	9.45
6)	T	Chloroethane	0.562	0.555	0.546	0.486	0.527	0.511	0.531	5.45
7)	T	Trichlorofluor...	1.025	1.018	1.037	0.927	1.012	1.014	1.005	3.92
8)	T	Diethyl Ether	0.261	0.280	0.293	0.252	0.297	0.299	0.280	7.04
9)	T	1,1,2-Trichlor...	0.597	0.584	0.567	0.509	0.561	0.565	0.564	5.30
10)	T	Methyl Iodide	0.499	0.541	0.548	0.517	0.577	0.585	0.544	6.16
11)	T	Tert butyl alc...	0.054	0.056	0.047	0.033	0.041	0.039	0.045	19.94
12)	CM	1,1-Dichloroet...	0.534	0.578	0.536	0.493	0.543	0.552	0.540	5.15#
13)	T	Acrolein	0.051	0.060	0.059	0.050	0.060	0.056	0.056	8.02
14)	T	Allyl chloride	0.955	0.952	0.980	0.915	1.011	1.028	0.973	4.25
15)	T	Acrylonitrile	0.117	0.129	0.129	0.117	0.139	0.134	0.128	7.05
16)	T	Acetone	0.134	0.138	0.138	0.140	0.165	0.155	0.145	8.48
17)	T	Carbon Disulfide	1.790	1.835	1.806	1.674	1.832	1.837	1.796	3.48
18)	T	Methyl Acetate	0.314	0.357	0.351	0.317	0.362	0.342	0.340	6.03
19)	T	Methyl tert-bu...	1.229	1.344	1.376	1.241	1.483	1.471	1.357	8.01
20)	T	Methylene Chlo...	0.807	0.716	0.641	0.555	0.597	0.597	0.652	14.31
21)	T	trans-1,2-Dich...	0.611	0.618	0.613	0.564	0.616	0.628	0.609	3.71
22)	T	Diisopropyl ether	1.824	1.993	2.082	1.893	2.168	2.160	2.020	7.02
23)	T	Vinyl Acetate	0.982	1.112	1.150	1.054	1.274	1.249	1.137	9.87
24)	P	1,1-Dichloroet...	1.155	1.209	1.189	1.070	1.194	1.200	1.170	4.46
25)	T	2-Butanone	0.187	0.197	0.192	0.179	0.219	0.206	0.197	7.32
26)	T	2,2-Dichloropr...	1.043	0.968	0.957	0.881	0.986	1.004	0.973	5.59
27)	T	cis-1,2-Dichlo...	0.646	0.714	0.715	0.646	0.740	0.736	0.700	6.09
28)	T	Bromochloromet...	0.572	0.562	0.527	0.505	0.553	0.567	0.548	4.82
29)	T	Tetrahydrofuran	0.102	0.113	0.114	0.104	0.128	0.120	0.114	8.48
30)	C	Chloroform	1.141	1.170	1.186	1.068	1.196	1.203	1.161	4.33#
31)	T	Cyclohexane	1.284	1.206	1.138	0.986	1.093	1.088	1.132	9.14
32)	T	1,1,1-Trichlor...	0.986	1.026	1.009	0.950	1.041	1.069	1.013	4.13
33)	S	1,2-Dichloroet...	0.608	0.657	0.578	0.586	0.668	0.647	0.624	6.12
34)	I	1,4-Difluorobenzene	----------ISTD----------							
35)	S	Dibromofluorom...	0.305	0.317	0.300	0.305	0.340	0.340	0.318	5.66
36)	T	1,1-Dichloropr...	0.482	0.500	0.493	0.450	0.512	0.510	0.491	4.70
37)	T	Ethyl Acetate	0.232	0.226	0.242	0.211	0.255	0.239	0.234	6.37
38)	T	Carbon Tetrach...	0.467	0.491	0.499	0.462	0.519	0.524	0.494	5.23
39)	T	Methylcyclohexane	0.603	0.602	0.631	0.578	0.665	0.661	0.623	5.60
40)	TM	Benzene	1.414	1.405	1.455	1.325	1.504	1.498	1.433	4.67
41)	T	Methacrylonitrile	0.079	0.115	0.131	0.119	0.132	0.127	0.117	16.94
42)	TM	1,2-Dichloroet...	0.379	0.391	0.402	0.365	0.425	0.418	0.397	5.78
43)	T	Isopropyl Acetate	0.390	0.440	0.462	0.412	0.510	0.487	0.450	10.02
44)	TM	Trichloroethene	0.328	0.331	0.332	0.307	0.348	0.346	0.332	4.42
45)	C	1,2-Dichloropr...	0.323	0.331	0.357	0.320	0.363	0.364	0.343	6.01#
46)	T	Dibromomethane	0.173	0.185	0.189	0.171	0.200	0.196	0.186	6.41
47)	T	Bromodichlorom...	0.459	0.476	0.487	0.451	0.526	0.522	0.487	6.45
48)	T	Methyl methacr...	0.161	0.196	0.218	0.197	0.244	0.236	0.209	14.58
49)	T	1,4-Dioxane	0.002	0.002	0.002	0.002	0.002	0.002	0.002	10.64
50)	S	Toluene-d8	1.187	1.251	1.187	1.224	1.380	1.364	1.265	6.79
51)	T	4-Methyl-2-Pen...	0.190	0.223	0.238	0.219	0.269	0.252	0.232	11.91
52)	CM	Toluene	0.803	0.859	0.900	0.833	0.953	0.953	0.884	7.08#
53)	T	t-1,3-Dichloro...	0.369	0.400	0.436	0.401	0.486	0.487	0.430	11.35
54)	T	cis-1,3-Dichlo...	0.446	0.485	0.518	0.484	0.573	0.573	0.513	10.05
55)	T	1,1,2-Trichlor...	0.206	0.225	0.235	0.216	0.257	0.248	0.231	8.38

Method Path : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\
Method File : 82Y103024S.M

56)	T	Ethyl methacry...	0.250	0.302	0.337	0.315	0.396	0.388	0.331	16.56
57)	T	1,3-Dichloropr...	0.383	0.411	0.438	0.393	0.464	0.449	0.423	7.67
58)	T	2-Chloroethyl ...	0.132	0.155	0.167	0.160	0.186	0.180	0.163	11.81
59)	T	2-Hexanone	0.131	0.161	0.168	0.158	0.198	0.182	0.166	13.74
60)	T	Dibromochlorom...	0.256	0.281	0.300	0.273	0.332	0.326	0.295	10.31
61)	T	1,2-Dibromoethane	0.203	0.214	0.215	0.196	0.233	0.228	0.215	6.66
62)	S	4-Bromofluorob...	0.371	0.402	0.376	0.399	0.463	0.454	0.411	9.49
63)	I	Chlorobenzene-d5	----------ISTD----------							
64)	T	Tetrachloroethene	0.326	0.316	0.344	0.307	0.344	0.343	0.330	4.84
65)	PM	Chlorobenzene	1.024	1.044	1.094	0.993	1.114	1.124	1.065	4.99
66)	T	1,1,1,2-Tetrac...	0.312	0.332	0.345	0.317	0.365	0.370	0.340	7.12
67)	C	Ethyl Benzene	1.886	1.934	2.015	1.876	2.114	2.124	1.992	5.54#
68)	T	m/p-Xylenes	0.685	0.693	0.742	0.692	0.779	0.782	0.729	6.18
69)	T	o-Xylene	0.652	0.662	0.686	0.649	0.745	0.745	0.690	6.48
70)	T	Styrene	0.985	1.080	1.154	1.093	1.259	1.273	1.141	9.77
71)	P	Bromoform	0.151	0.162	0.173	0.165	0.202	0.195	0.175	11.41
72)	I	1,4-Dichlorobenzen...	----------ISTD----------							
73)	T	Isopropylbenzene	4.065	3.829	3.995	3.685	4.099	4.293	3.994	5.35
74)	T	N-amyl acetate	0.835	0.907	1.004	0.918	1.156	1.171	0.998	13.89
75)	P	1,1,2,2-Tetrac...	0.716	0.707	0.698	0.624	0.727	0.719	0.699	5.40
76)	T	1,2,3-Trichlor...	0.387	0.563	0.479	0.428	0.477	0.478	0.469	12.64
77)	T	Bromobenzene	0.830	0.761	0.806	0.742	0.843	0.866	0.808	5.96
78)	T	n-propylbenzene	5.003	4.849	5.049	4.581	5.082	5.263	4.971	4.69
79)	T	2-Chlorotoluene	2.788	2.705	2.774	2.517	2.814	2.958	2.759	5.26
80)	T	1,3,5-Trimethy...	3.201	3.025	3.270	2.973	3.310	3.461	3.207	5.70
81)	T	trans-1,4-Dich...	0.208	0.210	0.211	0.197	0.238	0.243	0.218	8.40
82)	T	4-Chlorotoluene	2.774	2.702	2.871	2.606	2.904	3.025	2.813	5.35
83)	T	tert-Butylbenzene	2.826	2.624	2.798	2.664	2.888	3.024	2.804	5.24
84)	T	1,2,4-Trimethy...	3.062	3.025	3.203	2.942	3.338	3.486	3.176	6.51
85)	T	sec-Butylbenzene	4.277	4.160	4.350	4.002	4.440	4.598	4.305	4.86
86)	T	p-Isopropyltol...	3.296	3.254	3.522	3.235	3.617	3.803	3.454	6.68
87)	T	1,3-Dichlorobe...	1.659	1.521	1.680	1.509	1.703	1.774	1.641	6.42
88)	T	1,4-Dichlorobe...	1.680	1.604	1.653	1.487	1.666	1.716	1.634	4.95
89)	T	n-Butylbenzene	3.312	3.215	3.533	3.256	3.663	3.797	3.463	6.88
90)	T	Hexachloroethane	0.669	0.664	0.684	0.628	0.713	0.741	0.683	5.79
91)	T	1,2-Dichlorobe...	1.391	1.384	1.460	1.310	1.483	1.530	1.426	5.58
92)	T	1,2-Dibromo-3-...	0.107	0.104	0.106	0.092	0.114	0.112	0.106	7.59
93)	T	1,2,4-Trichlor...	0.652	0.708	0.784	0.693	0.865	0.895	0.766	12.83
94)	T	Hexachlorobuta...	0.403	0.389	0.422	0.389	0.454	0.456	0.419	7.30
95)	T	Naphthalene	1.116	1.209	1.420	1.325	1.760	1.765	1.432	19.22
96)	T	1,2,3-Trichlor...	0.578	0.606	0.653	0.575	0.737	0.754	0.650	12.13

(#) = Out of Range

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY103024\
Data File : VY020075.D
Acq On : 30 Oct 2024 12:39
Operator : SY/MD
Sample : VSTDICC005
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

Reviewed By :Romaben Patel 11/01/2024
Supervised By :Mahesh Dadoda 11/01/2024

Quant Time: Oct 30 13:49:53 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y103024S.M
Quant Title : SW846 8260
QLast Update : Wed Oct 30 13:49:45 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Pentafluorobenzene	7.713	168	240434	50.000	ug/l	#	0.00
34) 1,4-Difluorobenzene	8.615	114	437202	50.000	ug/l		0.00
63) Chlorobenzene-d5	11.420	117	367609	50.000	ug/l		0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	154264	50.000	ug/l		0.00
System Monitoring Compounds							
33) 1,2-Dichloroethane-d4	8.067	65	14625	4.940	ug/l		0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 9.880%#				
35) Dibromofluoromethane	7.640	113	13333	4.621	ug/l		0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 9.240%#				
50) Toluene-d8	10.109	98	51902	4.872	ug/l		0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 9.740%#				
62) 4-Bromofluorobenzene	12.407	95	16208	4.210	ug/l		0.00
Spiked Amount 50.000	Range 29 - 146		Recovery = 8.420%#				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.873	85	12181	5.442	ug/l		99
3) Chloromethane	2.074	50	19992	6.863	ug/l		93
4) Vinyl Chloride	2.214	62	20836	6.500	ug/l		97
5) Bromomethane	2.604	94	15177	7.480	ug/l		88
6) Chloroethane	2.750	64	13521	6.278	ug/l		90
7) Trichlorofluoromethane	3.074	101	24633	5.164	ug/l		88
8) Diethyl Ether	3.464	74	6284	4.335	ug/l		68
9) 1,1,2-Trichlorotrifluo...	3.830	101	14348	5.171	ug/l		90
10) Methyl Iodide	4.012	142	11993	4.274	ug/l	#	89
11) Tert butyl alcohol	4.860	59	6468	23.321	ug/l		100
12) 1,1-Dichloroethene	3.805	96	12850	4.982	ug/l		84
13) Acrolein	3.665	56	6134	28.198	ug/l		94
14) Allyl chloride	4.390	41	22973	4.936	ug/l	#	88
15) Acrylonitrile	5.067	53	14108	21.276	ug/l		98
16) Acetone	3.872	43	16105	20.898	ug/l	#	79
17) Carbon Disulfide	4.116	76	43042	6.226	ug/l	#	93
18) Methyl Acetate	4.403	43	7550	4.548	ug/l	#	65
19) Methyl tert-butyl Ether	5.122	73	29558	3.989	ug/l		100
20) Methylene Chloride	4.622	84	19392	6.235	ug/l	#	73
21) trans-1,2-Dichloroethene	5.128	96	14695	5.235	ug/l		88
22) Diisopropyl ether	6.030	45	43856	4.326	ug/l	#	82
23) Vinyl Acetate	5.963	43	118065	20.316	ug/l	#	88
24) 1,1-Dichloroethane	5.927	63	27775	4.929	ug/l		94
25) 2-Butanone	6.902	43	22431	21.745	ug/l	#	84
26) 2,2-Dichloropropane	6.890	77	25086	4.999	ug/l		89
27) cis-1,2-Dichloroethene	6.890	96	15543	4.480	ug/l		72
28) Bromochloromethane	7.256	49	13763	5.549	ug/l	#	67
29) Tetrahydrofuran	7.274	42	12280	20.849	ug/l	#	83
30) Chloroform	7.433	83	27437	4.776	ug/l		88
31) Cyclohexane	7.707	56	30882	6.243	ug/l	#	88
32) 1,1,1-Trichloroethane	7.628	97	23695	4.707	ug/l	#	90
36) 1,1-Dichloropropene	7.835	75	21067	5.069	ug/l		93
37) Ethyl Acetate	6.994	43	10158m	4.687	ug/l		
38) Carbon Tetrachloride	7.823	117	20423	4.583	ug/l		94
39) Methylcyclohexane	9.115	83	26360	5.033	ug/l		89
40) Benzene	8.085	78	61822	4.915	ug/l		99

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY103024\
Data File : VY020075.D
Acq On : 30 Oct 2024 12:39
Operator : SY/MD
Sample : VSTDICC005
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Quant Time: Oct 30 13:49:53 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y103024S.M
Quant Title : SW846 8260
QLast Update : Wed Oct 30 13:49:45 2024
Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Romaben Patel 11/01/2024
Supervised By :Mahesh Dadoda 11/01/2024

Compound	R.T.	QIon	Response	Conc Units		Dev(Min)
41) Methacrylonitrile	7.225	41	3462	2.951 ug/l	#	72
42) 1,2-Dichloroethane	8.158	62	16581	4.588 ug/l		93
43) Isopropyl Acetate	8.201	43	17066	3.861 ug/l	#	92
44) Trichloroethene	8.871	130	14352	4.711 ug/l		94
45) 1,2-Dichloropropane	9.140	63	14120	4.485 ug/l		95
46) Dibromomethane	9.231	93	7547	4.387 ug/l	#	87
47) Bromodichloromethane	9.426	83	20060	4.393 ug/l		99
48) Methyl methacrylate	9.225	41	7028	3.615 ug/l	#	82
49) 1,4-Dioxane	9.231	88	1521	79.001 ug/l	#	81
51) 4-Methyl-2-Pentanone	9.999	43	41560	18.434 ug/l		87
52) Toluene	10.170	92	35127	4.474 ug/l		99
53) t-1,3-Dichloropropene	10.395	75	16130	3.926 ug/l		95
54) cis-1,3-Dichloropropene	9.859	75	19506	4.024 ug/l		97
55) 1,1,2-Trichloroethane	10.572	97	8995	3.969 ug/l	#	85
56) Ethyl methacrylate	10.438	69	10951	3.367 ug/l	#	65
57) 1,3-Dichloropropane	10.719	76	16743	4.207 ug/l		95
58) 2-Chloroethyl Vinyl ether	9.713	63	28850	19.057 ug/l		92
59) 2-Hexanone	10.761	43	28622	17.775 ug/l		81
60) Dibromochloromethane	10.914	129	11181	3.844 ug/l		100
61) 1,2-Dibromoethane	11.017	107	8865	4.329 ug/l		90
64) Tetrachloroethene	10.645	164	11989	4.585 ug/l		93
65) Chlorobenzene	11.444	112	37629	4.475 ug/l		94
66) 1,1,1,2-Tetrachloroethane	11.517	131	11467	4.031 ug/l		98
67) Ethyl Benzene	11.517	91	69338	4.540 ug/l		98
68) m/p-Xylenes	11.627	106	50332	8.923 ug/l		94
69) o-Xylene	11.956	106	23982	4.425 ug/l		95
70) Styrene	11.968	104	36193	3.958 ug/l		93
71) Bromoform	12.133	173	5561	3.652 ug/l	#	94
73) Isopropylbenzene	12.255	105	62710	4.833 ug/l		96
74) N-amyl acetate	12.072	43	12879	3.747 ug/l	#	88
75) 1,1,2,2-Tetrachloroethane	12.505	83	11048	4.792 ug/l		99
76) 1,2,3-Trichloropropane	12.554	75	5970m	1.976 ug/l		
77) Bromobenzene	12.529	156	12802	4.649 ug/l		83
78) n-propylbenzene	12.596	91	77176	4.922 ug/l		96
79) 2-Chlorotoluene	12.682	91	43013	4.785 ug/l		93
80) 1,3,5-Trimethylbenzene	12.736	105	49377	4.712 ug/l		95
81) trans-1,4-Dichloro-2-b...	12.304	75	3212	4.290 ug/l		87
82) 4-Chlorotoluene	12.779	91	42786	4.655 ug/l		96
83) tert-Butylbenzene	12.999	119	43602	4.645 ug/l		93
84) 1,2,4-Trimethylbenzene	13.041	105	47241	4.547 ug/l		97
85) sec-Butylbenzene	13.175	105	65986	4.705 ug/l		95
86) p-Isopropyltoluene	13.291	119	50842	4.464 ug/l		96
87) 1,3-Dichlorobenzene	13.285	146	25594	4.603 ug/l		96
88) 1,4-Dichlorobenzene	13.364	146	25923	4.745 ug/l		92
89) n-Butylbenzene	13.620	91	51089	4.594 ug/l		95
90) Hexachloroethane	13.883	117	10314	4.651 ug/l		83
91) 1,2-Dichlorobenzene	13.657	146	21464	4.393 ug/l		97
92) 1,2-Dibromo-3-Chloropr...	14.273	75	1656	4.500 ug/l		69
93) 1,2,4-Trichlorobenzene	14.919	180	10063	3.673 ug/l		96
94) Hexachlorobutadiene	15.023	225	6221	4.084 ug/l		93
95) Naphthalene	15.145	128	17217	3.332 ug/l		99
96) 1,2,3-Trichlorobenzene	15.327	180	8911	3.848 ug/l		98

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY103024\
Data File : VY020075.D
Acq On : 30 Oct 2024 12:39
Operator : SY/MD
Sample : VSTDICC005
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

Reviewed By :Romaben Patel 11/01/2024
Supervised By :Mahesh Dadoda 11/01/2024

Quant Time: Oct 30 13:49:53 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y103024S.M
Quant Title : SW846 8260
QLast Update : Wed Oct 30 13:49:45 2024
Response via : Initial Calibration

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

(#) = qualifier out of range (m) = manual integration (+) = signals summed

ICAL Form

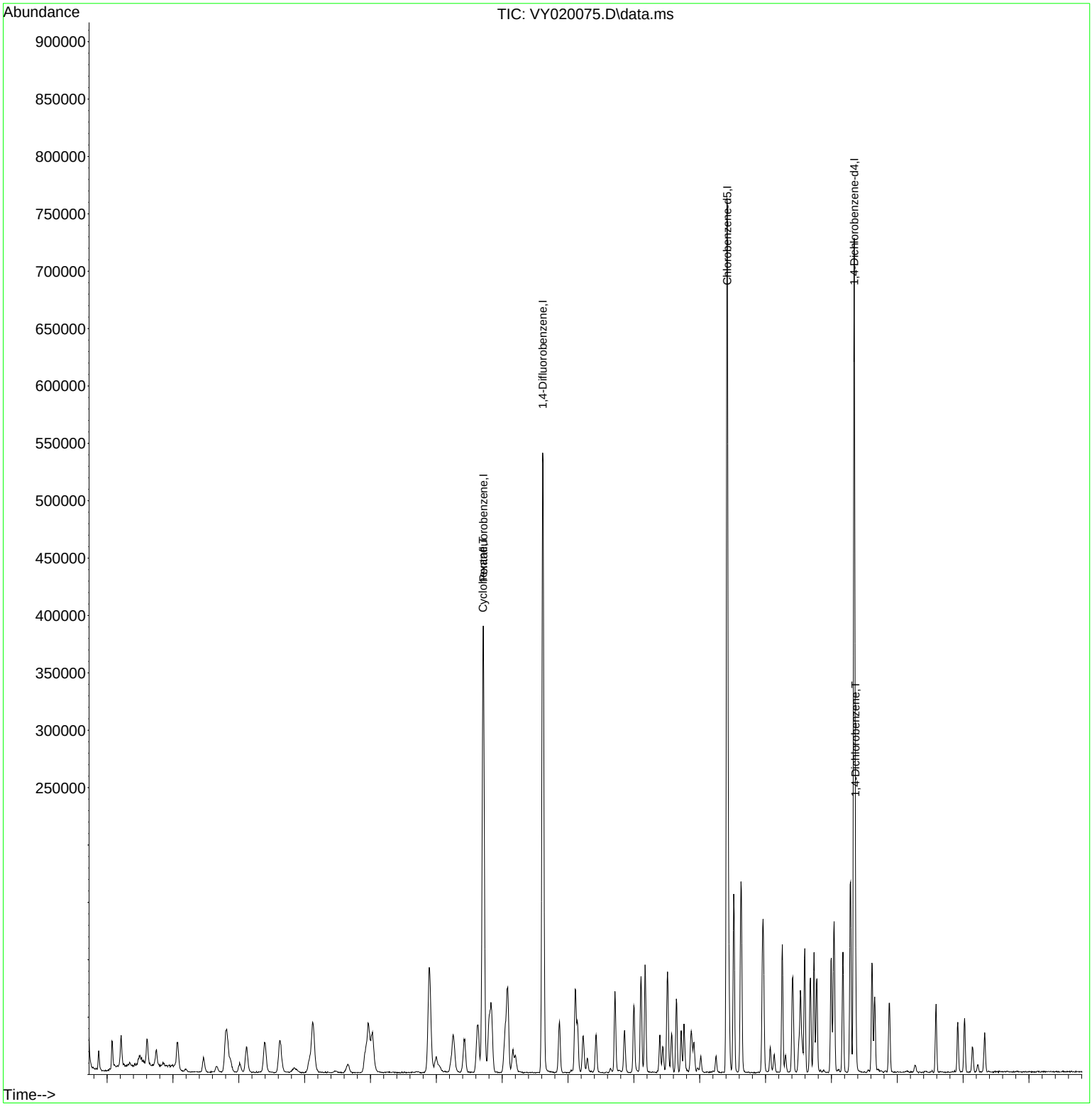
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY103024\
Data File : VY020075.D
Acq On : 30 Oct 2024 12:39
Operator : SY/MD
Sample : VSTDICC005
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Oct 30 13:49:53 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y103024S.M
Quant Title : SW846 8260
QLast Update : Wed Oct 30 13:49:45 2024
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

Reviewed By :Romaben Patel 11/01/2024
Supervised By :Mahesh Dadoda 11/01/2024



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY103024\
Data File : VY020076.D
Acq On : 30 Oct 2024 13:02
Operator : SY/MD
Sample : VSTDICC010
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations APPROVED

Reviewed By :Romaben Patel 11/01/2024
Supervised By :Mahesh Dadoda 11/01/2024

Quant Time: Oct 30 13:53:48 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y103024S.M
Quant Title : SW846 8260
QLast Update : Wed Oct 30 13:49:45 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.713	168	251996	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.616	114	459666	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	392589	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	179302	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	33105	10.669	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 21.340%#			
35) Dibromofluoromethane	7.640	113	29145	9.608	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 19.220%#			
50) Toluene-d8	10.109	98	114968	10.264	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 20.520%#			
62) 4-Bromofluorobenzene	12.408	95	36997	9.141	ug/l	0.00
Spiked Amount 50.000	Range 29 - 146		Recovery = 18.280%#			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.873	85	24596	10.485	ug/l	95
3) Chloromethane	2.074	50	42089	13.785	ug/l	100
4) Vinyl Chloride	2.214	62	44064	13.115	ug/l	91
5) Bromomethane	2.605	94	28921	13.599	ug/l	96
6) Chloroethane	2.745	64	27962	12.388	ug/l	96
7) Trichlorofluoromethane	3.068	101	51307	10.263	ug/l	99
8) Diethyl Ether	3.470	74	14130	9.300	ug/l	69
9) 1,1,2-Trichlorotrifluo...	3.824	101	29440	10.124	ug/l	91
10) Methyl Iodide	4.013	142	27256	9.267	ug/l	91
11) Tert butyl alcohol	4.860	59	14113	48.551	ug/l #	96
12) 1,1-Dichloroethene	3.799	96	29134	10.777	ug/l #	71
13) Acrolein	3.659	56	15099	66.225	ug/l	98
14) Allyl chloride	4.397	41	47964	9.833	ug/l #	86
15) Acrylonitrile	5.061	53	32586	46.888	ug/l	96
16) Acetone	3.873	43	34866	43.166	ug/l #	85
17) Carbon Disulfide	4.116	76	92481	12.763	ug/l	98
18) Methyl Acetate	4.391	43	17993	10.341	ug/l #	88
19) Methyl tert-butyl Ether	5.122	73	67742	8.722	ug/l	99
20) Methylene Chloride	4.622	84	36061	11.062	ug/l #	71
21) trans-1,2-Dichloroethene	5.128	96	31130	10.580	ug/l	86
22) Diisopropyl ether	6.025	45	100421	9.452	ug/l #	87
23) Vinyl Acetate	5.970	43	280142	45.993	ug/l #	91
24) 1,1-Dichloroethane	5.921	63	60946	10.319	ug/l	97
25) 2-Butanone	6.903	43	49695	45.965	ug/l #	83
26) 2,2-Dichloropropane	6.896	77	48779	9.274	ug/l	94
27) cis-1,2-Dichloroethene	6.896	96	35967	9.892	ug/l	84
28) Bromochloromethane	7.250	49	28309	10.890	ug/l #	69
29) Tetrahydrofuran	7.268	42	28574	46.288	ug/l #	83
30) Chloroform	7.427	83	58988	9.798	ug/l	91
31) Cyclohexane	7.707	56	60768	11.721	ug/l	93
32) 1,1,1-Trichloroethane	7.622	97	51697	9.798	ug/l #	93
36) 1,1-Dichloropropene	7.841	75	45929	10.510	ug/l	93
37) Ethyl Acetate	6.994	43	20808	9.132	ug/l #	76
38) Carbon Tetrachloride	7.823	117	45138	9.635	ug/l	98
39) Methylcyclohexane	9.109	83	55314	10.046	ug/l #	83
40) Benzene	8.085	78	129152	9.765	ug/l	98

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY103024\
Data File : VY020076.D
Acq On : 30 Oct 2024 13:02
Operator : SY/MD
Sample : VSTDICC010
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Quant Time: Oct 30 13:53:48 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y103024S.M
Quant Title : SW846 8260
QLast Update : Wed Oct 30 13:49:45 2024
Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Romaben Patel 11/01/2024
Supervised By :Mahesh Dadoda 11/01/2024

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.226	41	10582	8.580	ug/l		88
42) 1,2-Dichloroethane	8.158	62	35990	9.472	ug/l		94
43) Isopropyl Acetate	8.201	43	40461	8.707	ug/l	#	74
44) Trichloroethene	8.866	130	30471	9.513	ug/l		88
45) 1,2-Dichloropropane	9.140	63	30442	9.196	ug/l		96
46) Dibromomethane	9.237	93	17004	9.402	ug/l	#	86
47) Bromodichloromethane	9.426	83	43762	9.116	ug/l		100
48) Methyl methacrylate	9.225	41	18005	8.808	ug/l	#	82
49) 1,4-Dioxane	9.231	88	3385	167.225	ug/l	#	87
51) 4-Methyl-2-Pentanone	10.000	43	102653	43.307	ug/l		88
52) Toluene	10.170	92	78956	9.564	ug/l		100
53) t-1,3-Dichloropropene	10.396	75	36749	8.508	ug/l		98
54) cis-1,3-Dichloropropene	9.859	75	44596	8.750	ug/l	#	83
55) 1,1,2-Trichloroethane	10.573	97	20698	8.686	ug/l	#	86
56) Ethyl methacrylate	10.438	69	27776	8.124	ug/l	#	72
57) 1,3-Dichloropropane	10.713	76	37808	9.035	ug/l		99
58) 2-Chloroethyl Vinyl ether	9.713	63	71463	44.897	ug/l		89
59) 2-Hexanone	10.762	43	74139	43.792	ug/l		84
60) Dibromochloromethane	10.908	129	25833	8.447	ug/l		99
61) 1,2-Dibromoethane	11.012	107	19661	9.131	ug/l		96
64) Tetrachloroethene	10.646	164	24830	8.892	ug/l		94
65) Chlorobenzene	11.438	112	81961	9.128	ug/l		95
66) 1,1,1,2-Tetrachloroethane	11.518	131	26081	8.585	ug/l		98
67) Ethyl Benzene	11.518	91	151863	9.310	ug/l		98
68) m/p-Xylenes	11.627	106	108757	18.053	ug/l		88
69) o-Xylene	11.950	106	51950	8.975	ug/l		92
70) Styrene	11.969	104	84784	8.682	ug/l		95
71) Bromoform	12.133	173	12719	7.820	ug/l	#	96
73) Isopropylbenzene	12.255	105	137315	9.105	ug/l		98
74) N-amyl acetate	12.072	43	32525	8.142	ug/l	#	87
75) 1,1,2,2-Tetrachloroethane	12.505	83	25336	9.454	ug/l		98
76) 1,2,3-Trichloropropane	12.554	75	20202m	5.751	ug/l		
77) Bromobenzene	12.530	156	27286	8.526	ug/l		78
78) n-propylbenzene	12.591	91	173883	9.542	ug/l		95
79) 2-Chlorotoluene	12.676	91	97009	9.285	ug/l		94
80) 1,3,5-Trimethylbenzene	12.737	105	108479	8.906	ug/l		96
81) trans-1,4-Dichloro-2-b...	12.304	75	7513	8.634	ug/l	#	81
82) 4-Chlorotoluene	12.773	91	96899	9.071	ug/l		97
83) tert-Butylbenzene	12.993	119	94080	8.622	ug/l		92
84) 1,2,4-Trimethylbenzene	13.042	105	108470	8.983	ug/l		97
85) sec-Butylbenzene	13.176	105	149192	9.152	ug/l		97
86) p-Isopropyltoluene	13.292	119	116689	8.815	ug/l		95
87) 1,3-Dichlorobenzene	13.286	146	54535	8.438	ug/l		96
88) 1,4-Dichlorobenzene	13.365	146	57513	9.058	ug/l		93
89) n-Butylbenzene	13.615	91	115297	8.920	ug/l		98
90) Hexachloroethane	13.877	117	23812	9.238	ug/l		78
91) 1,2-Dichlorobenzene	13.657	146	49631	8.740	ug/l		96
92) 1,2-Dibromo-3-Chloropr...	14.267	75	3723	8.705	ug/l		71
93) 1,2,4-Trichlorobenzene	14.919	180	25388	7.973	ug/l		94
94) Hexachlorobutadiene	15.023	225	13955	7.883	ug/l		96
95) Naphthalene	15.145	128	43361	7.220	ug/l		98
96) 1,2,3-Trichlorobenzene	15.328	180	21730	8.073	ug/l		97

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY103024\
Data File : VY020076.D
Acq On : 30 Oct 2024 13:02
Operator : SY/MD
Sample : VSTDICC010
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations APPROVED

Reviewed By :Romaben Patel 11/01/2024
Supervised By :Mahesh Dadoda 11/01/2024

Quant Time: Oct 30 13:53:48 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y103024S.M
Quant Title : SW846 8260
QLast Update : Wed Oct 30 13:49:45 2024
Response via : Initial Calibration

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

(#) = qualifier out of range (m) = manual integration (+) = signals summed

ICAL Form

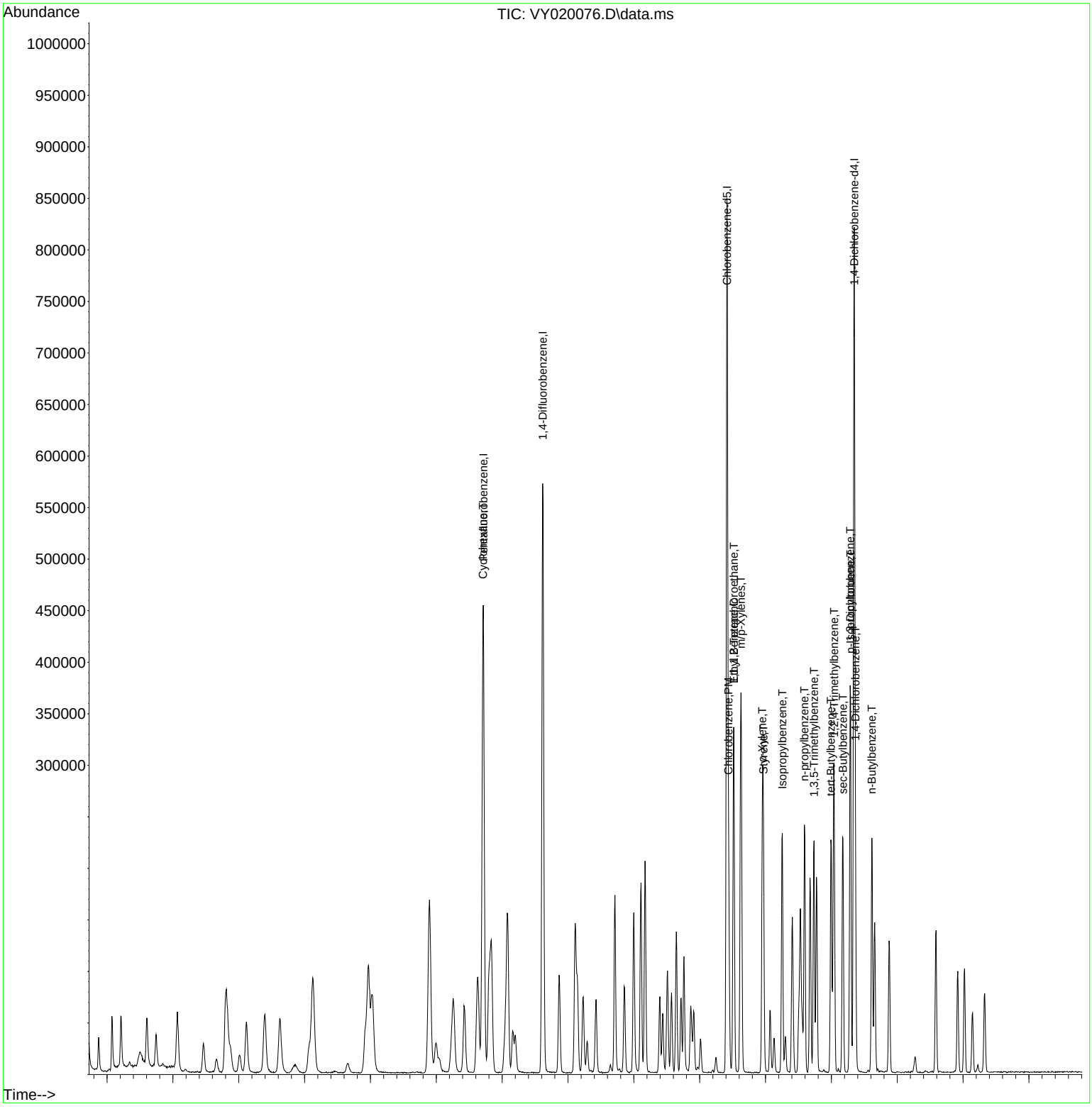
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY103024\
Data File : VY020076.D
Acq On : 30 Oct 2024 13:02
Operator : SY/MD
Sample : VSTDICC010
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Oct 30 13:53:48 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y103024S.M
Quant Title : SW846 8260
QLast Update : Wed Oct 30 13:49:45 2024
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations APPROVED

Reviewed By :Romaben Patel 11/01/2024
Supervised By :Mahesh Dadoda 11/01/2024



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY103024\
Data File : VY020077.D
Acq On : 30 Oct 2024 13:24
Operator : SY/MD
Sample : VSTDICC020
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

Reviewed By :Romaben Patel 11/01/2024
Supervised By :Mahesh Dadoda 11/01/2024

Quant Time: Oct 30 13:55:33 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y103024S.M
Quant Title : SW846 8260
QLast Update : Wed Oct 30 13:49:45 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.707	168	255489	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.616	114	453247	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	386871	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	180601	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	59114	18.791	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	37.580%#		
35) Dibromofluoromethane	7.634	113	54397	18.187	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	36.380%#		
50) Toluene-d8	10.103	98	215268	19.490	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	38.980%#		
62) 4-Bromofluorobenzene	12.402	95	68234	17.097	ug/l	0.00
Spiked Amount 50.000	Range 29 - 146		Recovery =	34.200%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.867	85	49268	20.715	ug/l	96
3) Chloromethane	2.068	50	80800	26.102	ug/l	97
4) Vinyl Chloride	2.202	62	85353	25.056	ug/l	97
5) Bromomethane	2.592	94	55648	25.809	ug/l	93
6) Chloroethane	2.733	64	55759	24.366	ug/l	96
7) Trichlorofluoromethane	3.056	101	105973	20.907	ug/l	93
8) Diethyl Ether	3.452	74	29994	19.470	ug/l	70
9) 1,1,2-Trichlorotrifluo...	3.818	101	57985	19.667	ug/l	91
10) Methyl Iodide	4.007	142	56012	18.784	ug/l #	89
11) Tert butyl alcohol	4.854	59	23879	81.025	ug/l #	93
12) 1,1-Dichloroethene	3.787	96	54823	20.002	ug/l #	76
13) Acrolein	3.653	56	30037	129.943	ug/l	96
14) Allyl chloride	4.385	41	100122	20.246	ug/l #	90
15) Acrylonitrile	5.055	53	65802	93.388	ug/l	96
16) Acetone	3.873	43	70645	86.267	ug/l #	85
17) Carbon Disulfide	4.110	76	184555	25.121	ug/l	98
18) Methyl Acetate	4.385	43	35892	20.346	ug/l #	88
19) Methyl tert-butyl Ether	5.116	73	140655	17.862	ug/l	100
20) Methylene Chloride	4.616	84	65473	19.811	ug/l #	76
21) trans-1,2-Dichloroethene	5.116	96	62682	21.012	ug/l #	83
22) Diisopropyl ether	6.019	45	212810	19.756	ug/l #	90
23) Vinyl Acetate	5.964	43	587816	95.187	ug/l #	91
24) 1,1-Dichloroethane	5.921	63	121557	20.300	ug/l	95
25) 2-Butanone	6.897	43	97990	89.396	ug/l #	80
26) 2,2-Dichloropropane	6.884	77	97826	18.345	ug/l	95
27) cis-1,2-Dichloroethene	6.897	96	73022	19.808	ug/l	83
28) Bromochloromethane	7.244	49	53898	20.450	ug/l #	70
29) Tetrahydrofuran	7.262	42	58334	93.205	ug/l #	82
30) Chloroform	7.421	83	121164	19.850	ug/l	95
31) Cyclohexane	7.701	56	116249	22.116	ug/l	89
32) 1,1,1-Trichloroethane	7.622	97	103121	19.277	ug/l #	93
36) 1,1-Dichloropropene	7.835	75	89441	20.757	ug/l	93
37) Ethyl Acetate	6.982	43	43815	19.500	ug/l #	93
38) Carbon Tetrachloride	7.817	117	90537	19.600	ug/l	96
39) Methylcyclohexane	9.110	83	114400	21.071	ug/l	89
40) Benzene	8.079	78	263734	20.224	ug/l	100

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY103024\
Data File : VY020077.D
Acq On : 30 Oct 2024 13:24
Operator : SY/MD
Sample : VSTDICC020
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Quant Time: Oct 30 13:55:33 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y103024S.M
Quant Title : SW846 8260
QLast Update : Wed Oct 30 13:49:45 2024
Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Romaben Patel 11/01/2024
Supervised By :Mahesh Dadoda 11/01/2024

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
41) Methacrylonitrile	7.214	41	23788	19.561 ug/l #	83
42) 1,2-Dichloroethane	8.159	62	72916	19.463 ug/l	94
43) Isopropyl Acetate	8.195	43	83718	18.270 ug/l #	75
44) Trichloroethene	8.866	130	60253	19.077 ug/l	81
45) 1,2-Dichloropropane	9.140	63	64640	19.804 ug/l	99
46) Dibromomethane	9.225	93	34353	19.263 ug/l	89
47) Bromodichloromethane	9.427	83	88375	18.670 ug/l	97
48) Methyl methacrylate	9.219	41	39516	19.605 ug/l #	80
49) 1,4-Dioxane	9.238	88	6584	329.869 ug/l #	69
51) 4-Methyl-2-Pentanone	10.000	43	216002	92.417 ug/l	88
52) Toluene	10.170	92	163230	20.053 ug/l	98
53) t-1,3-Dichloropropene	10.390	75	79101	18.573 ug/l	95
54) cis-1,3-Dichloropropene	9.853	75	93870	18.679 ug/l #	83
55) 1,1,2-Trichloroethane	10.567	97	42659	18.156 ug/l	96
56) Ethyl methacrylate	10.439	69	61125	18.131 ug/l #	75
57) 1,3-Dichloropropane	10.713	76	79426	19.250 ug/l	99
58) 2-Chloroethyl Vinyl ether	9.713	63	151093	96.270 ug/l	91
59) 2-Hexanone	10.762	43	152298	91.233 ug/l	84
60) Dibromochloromethane	10.908	129	54301	18.006 ug/l	100
61) 1,2-Dibromoethane	11.012	107	38956	18.348 ug/l	98
64) Tetrachloroethene	10.646	164	53279	19.362 ug/l	94
65) Chlorobenzene	11.438	112	169342	19.138 ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.512	131	53419	17.843 ug/l	100
67) Ethyl Benzene	11.518	91	311877	19.403 ug/l	99
68) m/p-Xylenes	11.627	106	229769	38.705 ug/l	92
69) o-Xylene	11.951	106	106187	18.617 ug/l	91
70) Styrene	11.969	104	178553	18.555 ug/l	95
71) Bromoform	12.133	173	26700	16.660 ug/l #	99
73) Isopropylbenzene	12.255	105	288608	18.999 ug/l	99
74) N-amyl acetate	12.066	43	72538	18.029 ug/l #	88
75) 1,1,2,2-Tetrachloroethane	12.505	83	50452	18.691 ug/l	97
76) 1,2,3-Trichloropropane	12.554	75	34602m	9.780 ug/l	
77) Bromobenzene	12.530	156	58191	18.052 ug/l	81
78) n-propylbenzene	12.591	91	364746	19.871 ug/l	96
79) 2-Chlorotoluene	12.676	91	200389	19.043 ug/l	94
80) 1,3,5-Trimethylbenzene	12.737	105	236250	19.257 ug/l	96
81) trans-1,4-Dichloro-2-b...	12.304	75	15276	17.428 ug/l #	80
82) 4-Chlorotoluene	12.774	91	207370	19.273 ug/l	95
83) tert-Butylbenzene	12.993	119	202147	18.393 ug/l	92
84) 1,2,4-Trimethylbenzene	13.042	105	231420	19.026 ug/l	97
85) sec-Butylbenzene	13.176	105	314228	19.136 ug/l	97
86) p-Isopropyltoluene	13.292	119	254400	19.079 ug/l	95
87) 1,3-Dichlorobenzene	13.286	146	121383	18.646 ug/l	97
88) 1,4-Dichlorobenzene	13.365	146	119390	18.668 ug/l	96
89) n-Butylbenzene	13.615	91	255253	19.605 ug/l	97
90) Hexachloroethane	13.877	117	49426	19.037 ug/l	85
91) 1,2-Dichlorobenzene	13.658	146	105505	18.445 ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.273	75	7666	17.796 ug/l	68
93) 1,2,4-Trichlorobenzene	14.919	180	56651	17.663 ug/l	96
94) Hexachlorobutadiene	15.017	225	30501	17.105 ug/l	95
95) Naphthalene	15.145	128	102556	16.953 ug/l	98
96) 1,2,3-Trichlorobenzene	15.328	180	47182	17.402 ug/l	98

ICAL Form

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Acq On : 30 Oct 2024 13:24
Operator : SY/MD
Sample : VSTDICC020
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

Reviewed By :Romaben Patel 11/01/2024
Supervised By :Mahesh Dadoda 11/01/2024

Quant Time: Oct 30 13:55:33 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y103024S.M
Quant Title : SW846 8260
QLast Update : Wed Oct 30 13:49:45 2024
Response via : Initial Calibration

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

(#) = qualifier out of range (m) = manual integration (+) = signals summed

ICAL Form

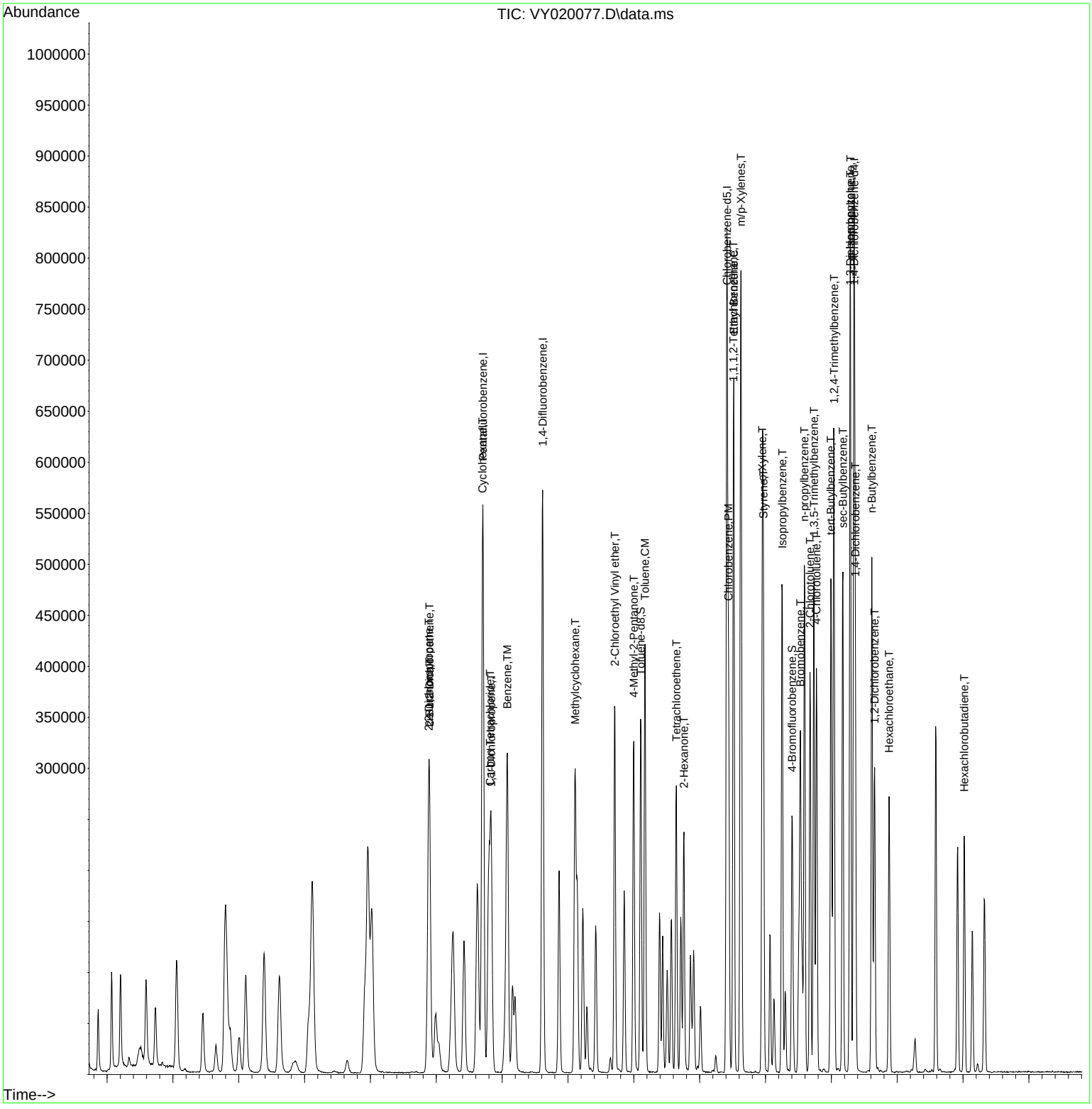
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY103024\
Data File : VY020077.D
Acq On : 30 Oct 2024 13:24
Operator : SY/MD
Sample : VSTDICC020
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Oct 30 13:55:33 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y103024S.M
Quant Title : SW846 8260
QLast Update : Wed Oct 30 13:49:45 2024
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

Reviewed By :Romaben Patel 11/01/2024
Supervised By :Mahesh Dadoda 11/01/2024



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY103024\
Data File : VY020078.D
Acq On : 30 Oct 2024 14:06
Operator : SY/MD
Sample : VSTDICCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

Reviewed By :Romaben Patel 11/01/2024
Supervised By :Mahesh Dadoda 11/01/2024

Quant Time: Oct 30 14:58:00 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y103024S.M
Quant Title : SW846 8260
QLast Update : Wed Oct 30 14:00:05 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Pentafluorobenzene	7.707	168	253095	50.000	ug/l	#	0.00
34) 1,4-Difluorobenzene	8.616	114	448895	50.000	ug/l		0.00
63) Chlorobenzene-d5	11.414	117	390884	50.000	ug/l		0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	187639	50.000	ug/l		0.00
System Monitoring Compounds							
33) 1,2-Dichloroethane-d4	8.061	65	148301	48.236	ug/l		0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 96.480%				
35) Dibromofluoromethane	7.634	113	137099	49.764	ug/l		0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 99.520%				
50) Toluene-d8	10.103	98	549379	50.479	ug/l		0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 100.960%				
62) 4-Bromofluorobenzene	12.402	95	179271	51.568	ug/l		0.00
Spiked Amount 50.000	Range 29 - 146		Recovery = 103.140%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.867	85	96546	41.057	ug/l		98
3) Chloromethane	2.074	50	172932	43.513	ug/l		98
4) Vinyl Chloride	2.208	62	190844	45.286	ug/l		98
5) Bromomethane	2.598	94	121526	43.068	ug/l		99
6) Chloroethane	2.739	64	122992	45.232	ug/l		96
7) Trichlorofluoromethane	3.062	101	234671	46.283	ug/l		95
8) Diethyl Ether	3.458	74	63745	46.337	ug/l		76
9) 1,1,2-Trichlorotrifluo...	3.818	101	128941	45.130	ug/l		89
10) Methyl Iodide	4.007	142	130739	49.097	ug/l	#	88
11) Tert butyl alcohol	4.866	59	41694	173.877	ug/l	#	88
12) 1,1-Dichloroethene	3.793	96	124769	46.031	ug/l	#	80
13) Acrolein	3.653	56	62974	226.723	ug/l		98
14) Allyl chloride	4.385	41	231702	48.153	ug/l	#	90
15) Acrylonitrile	5.061	53	147956	237.463	ug/l		98
16) Acetone	3.873	43	176737	253.817	ug/l	#	84
17) Carbon Disulfide	4.110	76	423667	47.120	ug/l		99
18) Methyl Acetate	4.391	43	80236	47.343	ug/l	#	87
19) Methyl tert-butyl Ether	5.122	73	314058	47.812	ug/l		98
20) Methylene Chloride	4.616	84	140465	40.843	ug/l	#	81
21) trans-1,2-Dichloroethene	5.110	96	142767	46.884	ug/l		88
22) Diisopropyl ether	6.019	45	479235	48.598	ug/l	#	89
23) Vinyl Acetate	5.964	43	1333996	245.247	ug/l	#	90
24) 1,1-Dichloroethane	5.915	63	270841	46.285	ug/l		96
25) 2-Butanone	6.896	43	226732	237.393	ug/l	#	81
26) 2,2-Dichloropropane	6.884	77	223018	45.779	ug/l		95
27) cis-1,2-Dichloroethene	6.890	96	163527	47.495	ug/l		83
28) Bromochloromethane	7.244	49	127689	46.584	ug/l	#	72
29) Tetrahydrofuran	7.262	42	131553	239.719	ug/l	#	82
30) Chloroform	7.421	83	270424	46.805	ug/l		99
31) Cyclohexane	7.701	56	249456	42.730	ug/l		89
32) 1,1,1-Trichloroethane	7.622	97	240527	47.868	ug/l		95
36) 1,1-Dichloropropene	7.835	75	201893	46.739	ug/l		93
37) Ethyl Acetate	6.988	43	94588	46.256	ug/l	#	94
38) Carbon Tetrachloride	7.817	117	207365	48.133	ug/l		100
39) Methylcyclohexane	9.110	83	259600	47.915	ug/l	#	87
40) Benzene	8.079	78	594896	47.340	ug/l		97

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY103024\
Data File : VY020078.D
Acq On : 30 Oct 2024 14:06
Operator : SY/MD
Sample : VSTDICCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

Reviewed By :Romaben Patel 11/01/2024
Supervised By :Mahesh Dadoda 11/01/2024

Quant Time: Oct 30 14:58:00 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y103024S.M
Quant Title : SW846 8260
QLast Update : Wed Oct 30 14:00:05 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.232	41	53405m	38.864	ug/l		
42) 1,2-Dichloroethane	8.158	62	163735	47.442	ug/l		93
43) Isopropyl Acetate	8.195	43	185022	48.366	ug/l	#	78
44) Trichloroethene	8.866	130	137913	47.292	ug/l		86
45) 1,2-Dichloropropane	9.140	63	143501	48.060	ug/l		98
46) Dibromomethane	9.231	93	76956	47.720	ug/l	#	88
47) Bromodichloromethane	9.420	83	202425	48.145	ug/l	#	98
48) Methyl methacrylate	9.219	41	88629	51.150	ug/l	#	81
49) 1,4-Dioxane	9.225	88	15719	979.894	ug/l	#	88
51) 4-Methyl-2-Pentanone	10.000	43	491343	251.440	ug/l		87
52) Toluene	10.170	92	373718	49.042	ug/l		99
53) t-1,3-Dichloropropene	10.390	75	180112	49.960	ug/l		96
54) cis-1,3-Dichloropropene	9.853	75	217155	50.058	ug/l	#	82
55) 1,1,2-Trichloroethane	10.573	97	96748	48.888	ug/l		94
56) Ethyl methacrylate	10.439	69	141354	52.279	ug/l	#	73
57) 1,3-Dichloropropane	10.713	76	176327	48.342	ug/l		98
58) 2-Chloroethyl Vinyl ether	9.713	63	359790	260.896	ug/l		91
59) 2-Hexanone	10.762	43	353785	255.117	ug/l		85
60) Dibromochloromethane	10.908	129	122325	49.155	ug/l		100
61) 1,2-Dibromoethane	11.012	107	87760	47.280	ug/l		100
64) Tetrachloroethene	10.646	164	120168	47.512	ug/l		94
65) Chlorobenzene	11.438	112	388015	47.788	ug/l		96
66) 1,1,1,2-Tetrachloroethane	11.518	131	124101	48.591	ug/l		99
67) Ethyl Benzene	11.518	91	733155	48.646	ug/l		99
68) m/p-Xylenes	11.627	106	540779	98.423	ug/l		91
69) o-Xylene	11.950	106	253611	48.985	ug/l		91
70) Styrene	11.969	104	427323	50.713	ug/l		95
71) Bromoform	12.133	173	64353	50.623	ug/l	#	97
73) Isopropylbenzene	12.255	105	691368	47.317	ug/l		97
74) N-amyl acetate	12.072	43	172232	50.105	ug/l	#	87
75) 1,1,2,2-Tetrachloroethane	12.505	83	117149	45.482	ug/l		100
76) 1,2,3-Trichloropropane	12.554	75	80285m	25.625	ug/l		
77) Bromobenzene	12.530	156	139237	47.289	ug/l		82
78) n-propylbenzene	12.591	91	859635	47.031	ug/l		96
79) 2-Chlorotoluene	12.676	91	472269	46.677	ug/l		94
80) 1,3,5-Trimethylbenzene	12.737	105	557869	47.687	ug/l		95
81) trans-1,4-Dichloro-2-b...	12.298	75	36981	47.705	ug/l	#	84
82) 4-Chlorotoluene	12.780	91	488931	47.584	ug/l		94
83) tert-Butylbenzene	12.993	119	499937	48.831	ug/l		95
84) 1,2,4-Trimethylbenzene	13.042	105	552088	48.105	ug/l		96
85) sec-Butylbenzene	13.176	105	751015	47.676	ug/l		97
86) p-Isopropyltoluene	13.292	119	606962	48.620	ug/l		95
87) 1,3-Dichlorobenzene	13.286	146	283109	47.380	ug/l		97
88) 1,4-Dichlorobenzene	13.365	146	278979	46.291	ug/l		96
89) n-Butylbenzene	13.615	91	611011	48.906	ug/l		98
90) Hexachloroethane	13.877	117	117887	47.505	ug/l		83
91) 1,2-Dichlorobenzene	13.657	146	245799	47.241	ug/l		97
92) 1,2-Dibromo-3-Chloropr...	14.273	75	17194	44.817	ug/l		75
93) 1,2,4-Trichlorobenzene	14.919	180	130061	48.854	ug/l		98
94) Hexachlorobutadiene	15.023	225	72977	48.508	ug/l		98
95) Naphthalene	15.145	128	248616	52.269	ug/l		99
96) 1,2,3-Trichlorobenzene	15.328	180	107931	47.697	ug/l		96

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY103024\
Data File : VY020078.D
Acq On : 30 Oct 2024 14:06
Operator : SY/MD
Sample : VSTDICCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

Reviewed By :Romaben Patel 11/01/2024
Supervised By :Mahesh Dadoda 11/01/2024

Quant Time: Oct 30 14:58:00 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y103024S.M
Quant Title : SW846 8260
QLast Update : Wed Oct 30 14:00:05 2024
Response via : Initial Calibration

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

(#) = qualifier out of range (m) = manual integration (+) = signals summed

ICAL Form

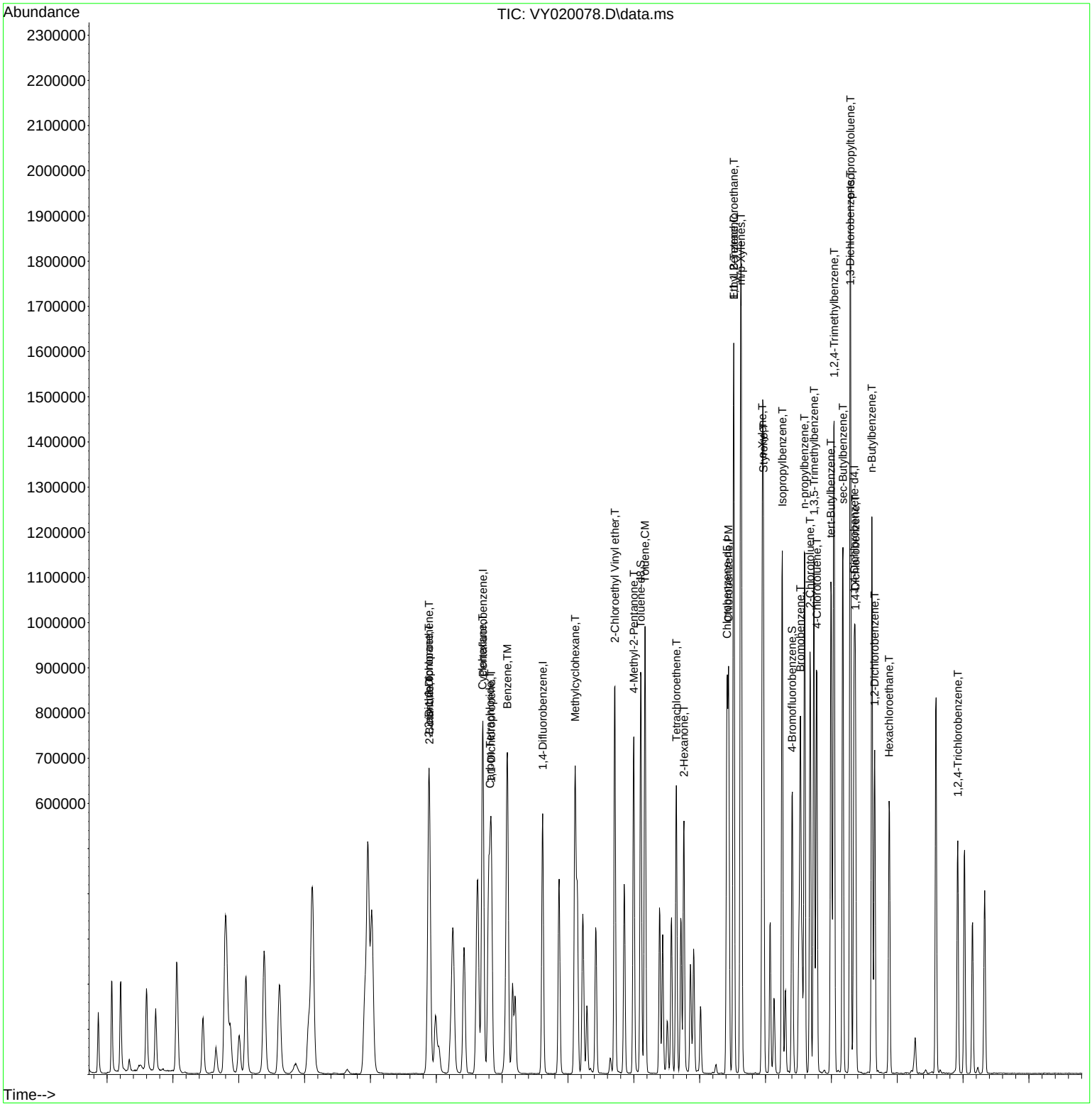
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY103024\
Data File : VY020078.D
Acq On : 30 Oct 2024 14:06
Operator : SY/MD
Sample : VSTDICCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Oct 30 14:58:00 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y103024S.M
Quant Title : SW846 8260
QLast Update : Wed Oct 30 14:00:05 2024
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

Reviewed By :Romaben Patel 11/01/2024
Supervised By :Mahesh Dadoda 11/01/2024



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY103024\
Data File : VY020079.D
Acq On : 30 Oct 2024 14:29
Operator : SY/MD
Sample : VSTDICC100
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

Reviewed By :Romaben Patel 11/01/2024
Supervised By :Mahesh Dadoda 11/01/2024

Quant Time: Oct 30 15:03:36 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y103024S.M
Quant Title : SW846 8260
QLast Update : Wed Oct 30 14:00:05 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.707	168	250425	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.616	114	439442	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	392085	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	191175	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	334356	109.911	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 219.820%#			
35) Dibromofluoromethane	7.634	113	299098	110.903	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 221.800%#			
50) Toluene-d8	10.103	98	1212617	113.817	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 227.640%#			
62) 4-Bromofluorobenzene	12.402	95	407188	119.648	ug/l	0.00
Spiked Amount 50.000	Range 29 - 146		Recovery = 239.300%#			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.867	85	228307	98.125	ug/l	98
3) Chloromethane	2.068	50	366223	93.131	ug/l	97
4) Vinyl Chloride	2.202	62	405238	97.185	ug/l	97
5) Bromomethane	2.592	94	260872	93.438	ug/l	98
6) Chloroethane	2.733	64	263815	98.055	ug/l	98
7) Trichlorofluoromethane	3.056	101	506774	101.014	ug/l	96
8) Diethyl Ether	3.452	74	148665	109.219	ug/l	74
9) 1,1,2-Trichlorotrifluo...	3.812	101	281087	99.430	ug/l	91
10) Methyl Iodide	4.007	142	289107	109.727	ug/l	90
11) Tert butyl alcohol	4.860	59	102524	432.114	ug/l #	81
12) 1,1-Dichloroethene	3.793	96	272143	101.471	ug/l #	80
13) Acrolein	3.653	56	149511	544.019	ug/l	98
14) Allyl chloride	4.385	41	506132	106.308	ug/l #	89
15) Acrylonitrile	5.061	53	348902	565.943	ug/l	98
16) Acetone	3.866	43	414042	600.958	ug/l #	85
17) Carbon Disulfide	4.104	76	917608	103.144	ug/l	99
18) Methyl Acetate	4.385	43	181329	108.133	ug/l #	86
19) Methyl tert-butyl Ether	5.116	73	742574	114.253	ug/l	98
20) Methylene Chloride	4.616	84	299130	87.904	ug/l #	81
21) trans-1,2-Dichloroethene	5.116	96	308673	102.448	ug/l	86
22) Diisopropyl ether	6.019	45	1086016	111.305	ug/l #	91
23) Vinyl Acetate	5.958	43	3189495	592.620	ug/l #	90
24) 1,1-Dichloroethane	5.915	63	598212	103.320	ug/l	96
25) 2-Butanone	6.890	43	549299	581.259	ug/l #	84
26) 2,2-Dichloropropane	6.884	77	493900	102.464	ug/l	95
27) cis-1,2-Dichloroethene	6.890	96	370675	108.807	ug/l	84
28) Bromochloromethane	7.244	49	277089	102.166	ug/l #	72
29) Tetrahydrofuran	7.262	42	320026	589.375	ug/l #	82
30) Chloroform	7.421	83	599049	104.788	ug/l	99
31) Cyclohexane	7.701	56	547474	94.777	ug/l	89
32) 1,1,1-Trichloroethane	7.616	97	521551	104.903	ug/l	94
36) 1,1-Dichloropropene	7.835	75	449890	106.392	ug/l	94
37) Ethyl Acetate	6.988	43	223721	111.760	ug/l #	94
38) Carbon Tetrachloride	7.817	117	456363	108.209	ug/l	99
39) Methylcyclohexane	9.109	83	584361	110.176	ug/l #	87
40) Benzene	8.079	78	1321405	107.416	ug/l	100

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY103024\
Data File : VY020079.D
Acq On : 30 Oct 2024 14:29
Operator : SY/MD
Sample : VSTDICC100
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Quant Time: Oct 30 15:03:36 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y103024S.M
Quant Title : SW846 8260
QLast Update : Wed Oct 30 14:00:05 2024
Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Romaben Patel 11/01/2024
Supervised By :Mahesh Dadoda 11/01/2024

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.213	41	116421	86.544	ug/l		87
42) 1,2-Dichloroethane	8.158	62	373520	110.555	ug/l		93
43) Isopropyl Acetate	8.195	43	447889	119.599	ug/l	#	78
44) Trichloroethene	8.866	130	305872	107.143	ug/l		88
45) 1,2-Dichloropropane	9.140	63	318959	109.122	ug/l		97
46) Dibromomethane	9.231	93	175876	111.406	ug/l		88
47) Bromodichloromethane	9.420	83	461878	112.218	ug/l	#	98
48) Methyl methacrylate	9.219	41	214211	126.286	ug/l	#	80
49) 1,4-Dioxane	9.231	88	39210	2496.859	ug/l	#	83
51) 4-Methyl-2-Pentanone	9.993	43	1181631	617.696	ug/l		90
52) Toluene	10.170	92	837777	112.304	ug/l		100
53) t-1,3-Dichloropropene	10.390	75	427557	121.149	ug/l		99
54) cis-1,3-Dichloropropene	9.853	75	503580	118.582	ug/l	#	86
55) 1,1,2-Trichloroethane	10.573	97	225678	116.492	ug/l		95
56) Ethyl methacrylate	10.438	69	347881	131.431	ug/l	#	75
57) 1,3-Dichloropropane	10.713	76	407824	114.214	ug/l		99
58) 2-Chloroethyl Vinyl ether	9.707	63	816231	604.610	ug/l		92
59) 2-Hexanone	10.755	43	870879	641.505	ug/l		87
60) Dibromochloromethane	10.908	129	291690	119.734	ug/l		100
61) 1,2-Dibromoethane	11.012	107	204752	112.681	ug/l		99
64) Tetrachloroethene	10.646	164	269475	106.219	ug/l		95
65) Chlorobenzene	11.438	112	873808	107.289	ug/l		97
66) 1,1,1,2-Tetrachloroethane	11.511	131	286476	111.823	ug/l		100
67) Ethyl Benzene	11.518	91	1657653	109.651	ug/l		100
68) m/p-Xylenes	11.627	106	1221696	221.671	ug/l		91
69) o-Xylene	11.950	106	584516	112.554	ug/l		92
70) Styrene	11.969	104	987405	116.822	ug/l		95
71) Bromoform	12.127	173	158309	124.151	ug/l	#	96
73) Isopropylbenzene	12.255	105	1567277	105.280	ug/l		98
74) N-amyl acetate	12.066	43	441898	126.177	ug/l	#	86
75) 1,1,2,2-Tetrachloroethane	12.505	83	277920	105.904	ug/l		99
76) 1,2,3-Trichloropropane	12.554	75	182495m	57.170	ug/l		
77) Bromobenzene	12.530	156	322208	107.408	ug/l		84
78) n-propylbenzene	12.591	91	1942949	104.334	ug/l		97
79) 2-Chlorotoluene	12.676	91	1075903	104.371	ug/l		94
80) 1,3,5-Trimethylbenzene	12.731	105	1265627	106.185	ug/l		96
81) trans-1,4-Dichloro-2-b...	12.304	75	91153	115.411	ug/l	#	85
82) 4-Chlorotoluene	12.773	91	1110438	106.072	ug/l		94
83) tert-Butylbenzene	12.993	119	1104057	105.843	ug/l		93
84) 1,2,4-Trimethylbenzene	13.042	105	1276373	109.156	ug/l		96
85) sec-Butylbenzene	13.176	105	1697744	105.784	ug/l		98
86) p-Isopropyltoluene	13.292	119	1382922	108.729	ug/l		95
87) 1,3-Dichlorobenzene	13.285	146	651160	106.960	ug/l		97
88) 1,4-Dichlorobenzene	13.365	146	637014	103.744	ug/l		96
89) n-Butylbenzene	13.615	91	1400648	110.036	ug/l		98
90) Hexachloroethane	13.877	117	272543	107.795	ug/l		84
91) 1,2-Dichlorobenzene	13.657	146	566909	106.942	ug/l		97
92) 1,2-Dibromo-3-Chloropr...	14.273	75	43753	111.936	ug/l		76
93) 1,2,4-Trichlorobenzene	14.919	180	330713	121.925	ug/l		98
94) Hexachlorobutadiene	15.023	225	173634	113.279	ug/l		99
95) Naphthalene	15.139	128	672775	138.827	ug/l		100
96) 1,2,3-Trichlorobenzene	15.328	180	281747	122.206	ug/l		98

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY103024\
Data File : VY020079.D
Acq On : 30 Oct 2024 14:29
Operator : SY/MD
Sample : VSTDICC100
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

Reviewed By :Romaben Patel 11/01/2024
Supervised By :Mahesh Dadoda 11/01/2024

Quant Time: Oct 30 15:03:36 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y103024S.M
Quant Title : SW846 8260
QLast Update : Wed Oct 30 14:00:05 2024
Response via : Initial Calibration

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

(#) = qualifier out of range (m) = manual integration (+) = signals summed

ICAL Form

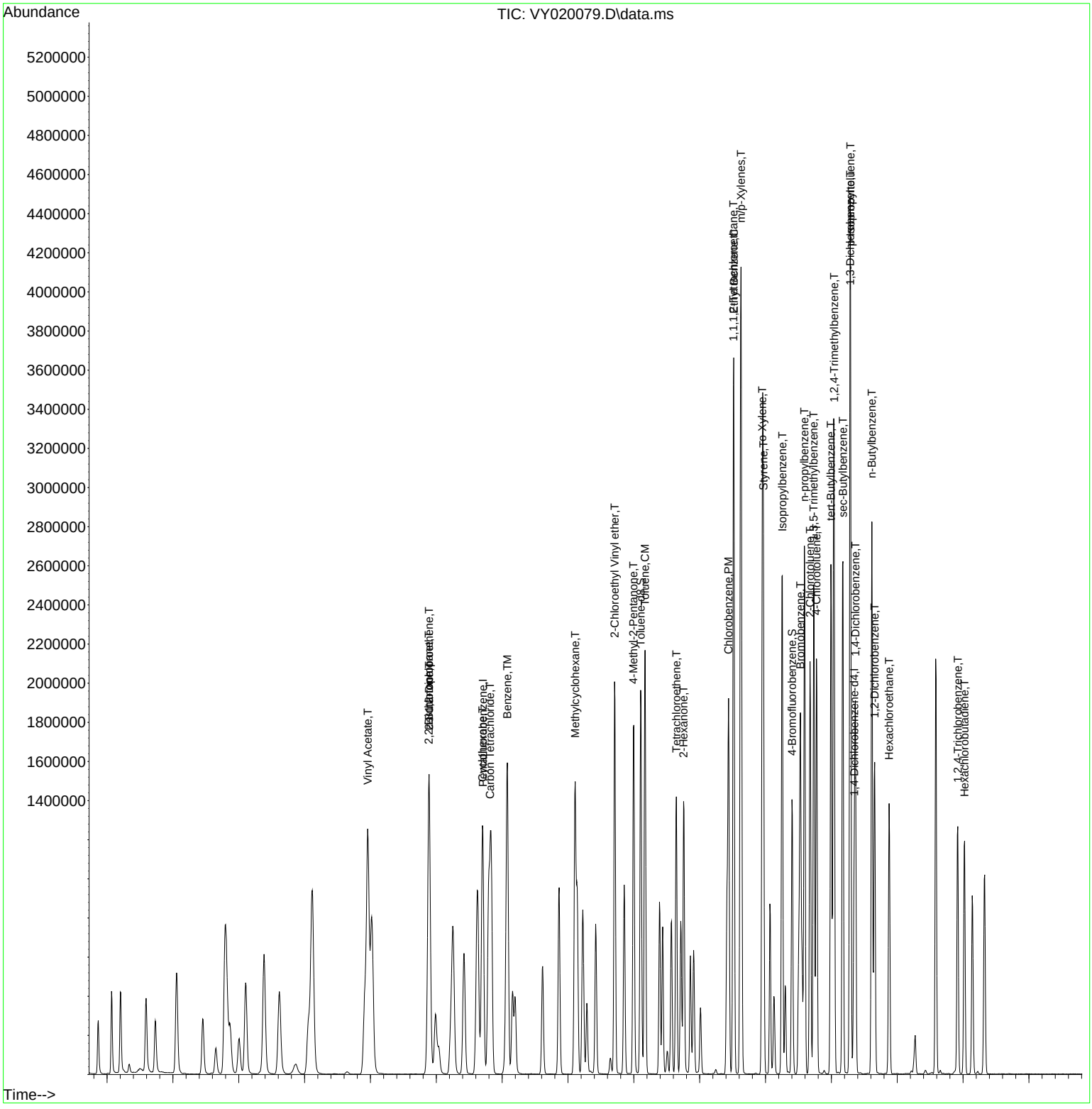
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY103024\
Data File : VY020079.D
Acq On : 30 Oct 2024 14:29
Operator : SY/MD
Sample : VSTDICC100
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Oct 30 15:03:36 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y103024S.M
Quant Title : SW846 8260
QLast Update : Wed Oct 30 14:00:05 2024
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

Reviewed By :Romaben Patel 11/01/2024
Supervised By :Mahesh Dadoda 11/01/2024



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY103024\
Data File : VY020080.D
Acq On : 30 Oct 2024 14:52
Operator : SY/MD
Sample : VSTDICC150
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

Reviewed By :Romaben Patel 11/01/2024
Supervised By :Mahesh Dadoda 11/01/2024

Quant Time: Oct 30 15:05:11 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y103024S.M
Quant Title : SW846 8260
QLast Update : Wed Oct 30 14:00:05 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Pentafluorobenzene	7.707	168	264324	50.000	ug/l	#	0.00
34) 1,4-Difluorobenzene	8.616	114	464829	50.000	ug/l		0.00
63) Chlorobenzene-d5	11.414	117	410851	50.000	ug/l		0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	189466	50.000	ug/l		0.00
System Monitoring Compounds							
33) 1,2-Dichloroethane-d4	8.061	65	513131	159.809	ug/l		0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 319.620%#				
35) Dibromofluoromethane	7.634	113	473607	166.018	ug/l		0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 332.040%#				
50) Toluene-d8	10.103	98	1901637	168.741	ug/l		0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 337.480%#				
62) 4-Bromofluorobenzene	12.402	95	632951	175.829	ug/l		0.00
Spiked Amount 50.000	Range 29 - 146		Recovery = 351.660%#				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.867	85	367153	149.502	ug/l		98
3) Chloromethane	2.068	50	577439	139.123	ug/l		99
4) Vinyl Chloride	2.202	62	633528	143.945	ug/l		98
5) Bromomethane	2.586	94	418638	142.061	ug/l		99
6) Chloroethane	2.732	64	405582	142.820	ug/l		98
7) Trichlorofluoromethane	3.056	101	804100	151.851	ug/l		96
8) Diethyl Ether	3.452	74	236804	164.824	ug/l		77
9) 1,1,2-Trichlorotrifluo...	3.818	101	447736	150.052	ug/l		91
10) Methyl Iodide	4.001	142	464092	166.878	ug/l	#	90
11) Tert butyl alcohol	4.866	59	154213	615.794	ug/l	#	82
12) 1,1-Dichloroethene	3.787	96	437783	154.648	ug/l	#	77
13) Acrolein	3.653	56	222317	766.398	ug/l		99
14) Allyl chloride	4.385	41	815140	162.209	ug/l	#	90
15) Acrylonitrile	5.055	53	532102	817.722	ug/l		99
16) Acetone	3.866	43	615168	845.930	ug/l	#	85
17) Carbon Disulfide	4.104	76	1456308	155.090	ug/l		100
18) Methyl Acetate	4.385	43	270939	153.074	ug/l	#	88
19) Methyl tert-butyl Ether	5.116	73	1166714	170.073	ug/l		96
20) Methylene Chloride	4.610	84	473057	131.706	ug/l	#	81
21) trans-1,2-Dichloroethene	5.110	96	498356	156.706	ug/l	#	83
22) Diisopropyl ether	6.019	45	1712860	166.319	ug/l		91
23) Vinyl Acetate	5.958	43	4953304	871.948	ug/l	#	91
24) 1,1-Dichloroethane	5.915	63	951564	155.708	ug/l		96
25) 2-Butanone	6.890	43	817694	819.771	ug/l	#	84
26) 2,2-Dichloropropane	6.884	77	795976	156.450	ug/l		96
27) cis-1,2-Dichloroethene	6.890	96	583766	162.347	ug/l		83
28) Bromochloromethane	7.244	49	449704	157.093	ug/l	#	73
29) Tetrahydrofuran	7.262	42	474645	828.165	ug/l	#	82
30) Chloroform	7.421	83	953842	158.077	ug/l		100
31) Cyclohexane	7.701	56	862973	141.540	ug/l		86
32) 1,1,1-Trichloroethane	7.616	97	847338	161.468	ug/l		96
36) 1,1-Dichloropropene	7.835	75	711249	159.013	ug/l		94
37) Ethyl Acetate	6.982	43	333510	157.506	ug/l	#	94
38) Carbon Tetrachloride	7.817	117	731039	163.871	ug/l		99
39) Methylcyclohexane	9.109	83	921465	164.246	ug/l	#	88
40) Benzene	8.079	78	2088865	160.528	ug/l		99

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY103024\
Data File : VY020080.D
Acq On : 30 Oct 2024 14:52
Operator : SY/MD
Sample : VSTDICC150
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

Reviewed By :Romaben Patel 11/01/2024
Supervised By :Mahesh Dadoda 11/01/2024

Quant Time: Oct 30 15:05:11 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y103024S.M
Quant Title : SW846 8260
QLast Update : Wed Oct 30 14:00:05 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units		Dev(Min)
41) Methacrylonitrile	7.220	41	176781	124.237 ug/l		88
42) 1,2-Dichloroethane	8.158	62	582749	163.063 ug/l		94
43) Isopropyl Acetate	8.195	43	679605	171.562 ug/l	#	78
44) Trichloroethene	8.866	130	482450	159.766 ug/l		88
45) 1,2-Dichloropropane	9.140	63	508168	164.358 ug/l		96
46) Dibromomethane	9.231	93	273750	163.933 ug/l		89
47) Bromodichloromethane	9.420	83	727941	167.201 ug/l		98
48) Methyl methacrylate	9.219	41	328446	183.056 ug/l	#	81
49) 1,4-Dioxane	9.225	88	58592	3527.312 ug/l	#	91
51) 4-Methyl-2-Pentanone	9.999	43	1759800	869.690 ug/l		90
52) Toluene	10.170	92	1328982	168.421 ug/l		99
53) t-1,3-Dichloropropene	10.390	75	678432	181.736 ug/l		96
54) cis-1,3-Dichloropropene	9.853	75	798700	177.804 ug/l	#	85
55) 1,1,2-Trichloroethane	10.573	97	345498	168.601 ug/l		96
56) Ethyl methacrylate	10.438	69	541087	193.260 ug/l	#	75
57) 1,3-Dichloropropane	10.713	76	626765	165.943 ug/l		100
58) 2-Chloroethyl Vinyl ether	9.707	63	1258516	881.311 ug/l		92
59) 2-Hexanone	10.755	43	1268082	883.076 ug/l		88
60) Dibromochloromethane	10.908	129	455170	176.635 ug/l		100
61) 1,2-Dibromoethane	11.012	107	317856	165.371 ug/l		99
64) Tetrachloroethene	10.646	164	422849	159.062 ug/l		92
65) Chlorobenzene	11.438	112	1384830	162.267 ug/l		98
66) 1,1,1,2-Tetrachloroethane	11.511	131	456266	169.965 ug/l		99
67) Ethyl Benzene	11.518	91	2617908	165.261 ug/l		98
68) m/p-Xylenes	11.627	106	1926635	333.611 ug/l		91
69) o-Xylene	11.950	106	917838	168.666 ug/l		91
70) Styrene	11.969	104	1569103	177.165 ug/l		96
71) Bromoform	12.127	173	240850	180.255 ug/l	#	97
73) Isopropylbenzene	12.249	105	2439942	165.379 ug/l		98
74) N-amyl acetate	12.066	43	665656	191.782 ug/l	#	86
75) 1,1,2,2-Tetrachloroethane	12.505	83	408694	157.141 ug/l		99
76) 1,2,3-Trichloropropane	12.554	75	271515m	85.825 ug/l		
77) Bromobenzene	12.530	156	492090	165.517 ug/l		82
78) n-propylbenzene	12.591	91	2991377	162.082 ug/l		97
79) 2-Chlorotoluene	12.676	91	1681376	164.578 ug/l		93
80) 1,3,5-Trimethylbenzene	12.731	105	1967127	166.529 ug/l		96
81) trans-1,4-Dichloro-2-b...	12.298	75	137971	176.265 ug/l	#	87
82) 4-Chlorotoluene	12.773	91	1719250	165.709 ug/l		94
83) tert-Butylbenzene	12.993	119	1718909	166.274 ug/l		93
84) 1,2,4-Trimethylbenzene	13.042	105	1981367	170.976 ug/l		96
85) sec-Butylbenzene	13.170	105	2613388	164.305 ug/l		97
86) p-Isopropyltoluene	13.285	119	2161709	171.493 ug/l		95
87) 1,3-Dichlorobenzene	13.285	146	1008488	167.149 ug/l		97
88) 1,4-Dichlorobenzene	13.365	146	975162	160.247 ug/l		96
89) n-Butylbenzene	13.615	91	2158102	171.071 ug/l		98
90) Hexachloroethane	13.877	117	421230	168.105 ug/l		85
91) 1,2-Dichlorobenzene	13.657	146	869621	165.525 ug/l		97
92) 1,2-Dibromo-3-Chloropr...	14.273	75	63821	164.750 ug/l		76
93) 1,2,4-Trichlorobenzene	14.919	180	508720	189.243 ug/l		97
94) Hexachlorobutadiene	15.023	225	259405	170.763 ug/l		98
95) Naphthalene	15.139	128	1003119	208.860 ug/l		99
96) 1,2,3-Trichlorobenzene	15.328	180	428513	187.541 ug/l		98

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY103024\
Data File : VY020080.D
Acq On : 30 Oct 2024 14:52
Operator : SY/MD
Sample : VSTDICC150
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

Reviewed By :Romaben Patel 11/01/2024
Supervised By :Mahesh Dadoda 11/01/2024

Quant Time: Oct 30 15:05:11 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y103024S.M
Quant Title : SW846 8260
QLast Update : Wed Oct 30 14:00:05 2024
Response via : Initial Calibration

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

(#) = qualifier out of range (m) = manual integration (+) = signals summed

ICAL Form

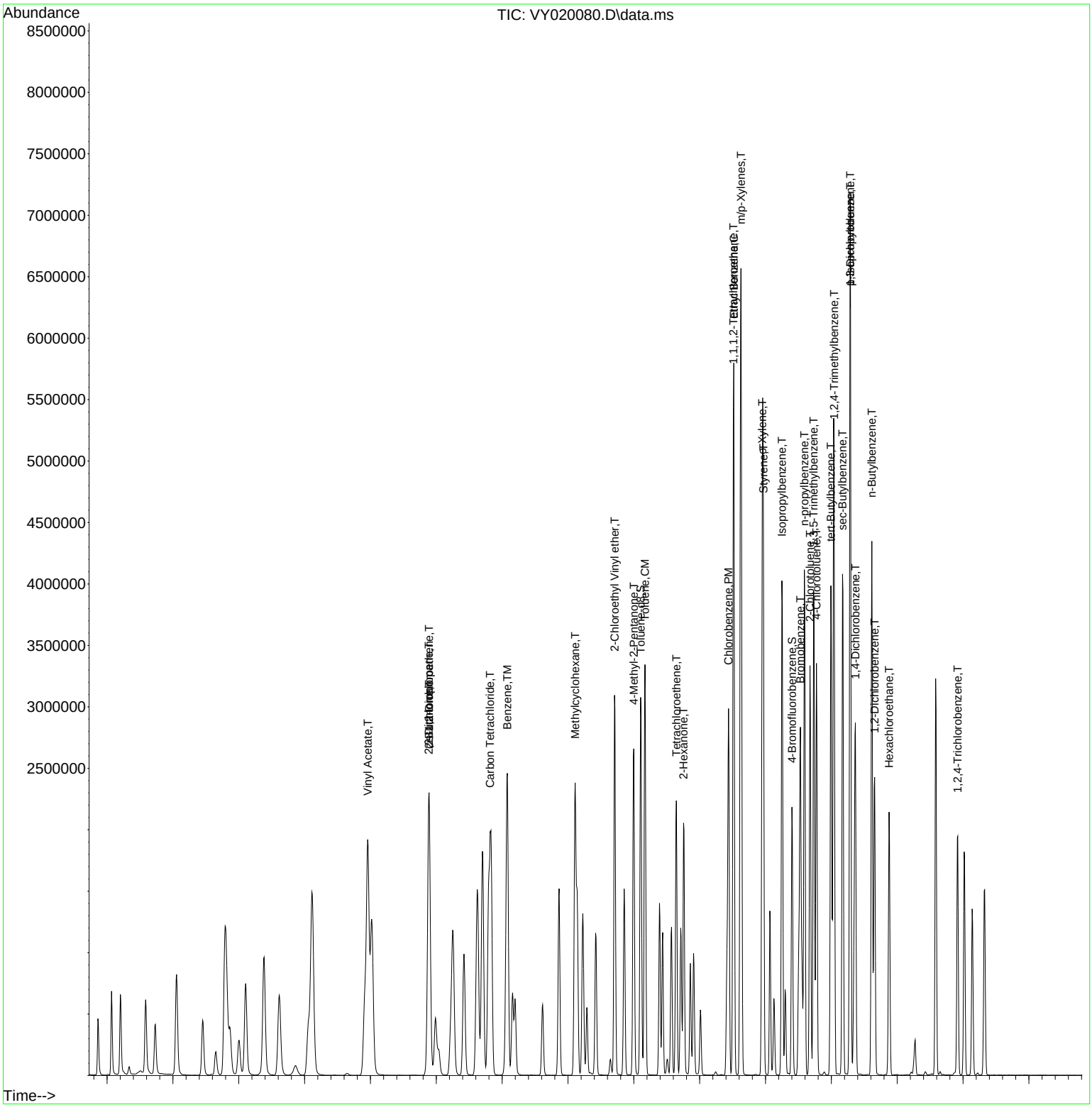
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY103024\
Data File : VY020080.D
Acq On : 30 Oct 2024 14:52
Operator : SY/MD
Sample : VSTDICC150
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Oct 30 15:05:11 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y103024S.M
Quant Title : SW846 8260
QLast Update : Wed Oct 30 14:00:05 2024
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

Reviewed By :Romaben Patel 11/01/2024
Supervised By :Mahesh Dadoda 11/01/2024



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY103024\
Data File : VY020082.D
Acq On : 30 Oct 2024 15:47
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY103024

Quant Time: Oct 31 15:29:03 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y103024S.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 15:23:13 2024
Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Romaben Patel 11/01/2024
Supervised By :Mahesh Dadoda 11/01/2024

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.707	168	473201	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.616	114	859474	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	749198	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	323321	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	310615	52.594	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 105.180%			
35) Dibromofluoromethane	7.634	113	274061	50.153	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 100.300%			
50) Toluene-d8	10.103	98	1103339	50.725	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 101.460%			
62) 4-Bromofluorobenzene	12.402	95	351612	49.768	ug/l	0.00
Spiked Amount 50.000	Range 29 - 146		Recovery = 99.540%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.867	85	120512	27.512	ug/l	98
3) Chloromethane	2.068	50	210255	28.978	ug/l	100
4) Vinyl Chloride	2.202	62	232365	29.832	ug/l	98
5) Bromomethane	2.598	94	148623	28.740	ug/l	100
6) Chloroethane	2.739	64	145709	28.986	ug/l	99
7) Trichlorofluoromethane	3.062	101	288596	30.329	ug/l	97
8) Diethyl Ether	3.458	74	76537	28.839	ug/l	75
9) 1,1,2-Trichlorotrifluo...	3.818	101	161253	30.214	ug/l	90
10) Methyl Iodide	4.007	142	148079	28.738	ug/l #	89
11) Tert butyl alcohol	4.866	59	50077	117.881	ug/l #	83
12) 1,1-Dichloroethene	3.793	96	155938	30.538	ug/l #	83
13) Acrolein	3.653	56	65380	123.633	ug/l	99
14) Allyl chloride	4.385	41	281369	30.540	ug/l #	91
15) Acrylonitrile	5.055	53	169656	140.436	ug/l	97
16) Acetone	3.866	43	202777	147.642	ug/l #	87
17) Carbon Disulfide	4.110	76	511874	30.122	ug/l	99
18) Methyl Acetate	4.391	43	89321	27.718	ug/l #	87
19) Methyl tert-butyl Ether	5.116	73	373674	29.087	ug/l	96
20) Methylene Chloride	4.616	84	162543	26.345	ug/l #	79
21) trans-1,2-Dichloroethene	5.116	96	172847	30.014	ug/l	87
22) Diisopropyl ether	6.019	45	567160	29.665	ug/l	89
23) Vinyl Acetate	5.964	43	1600445	148.749	ug/l #	90
24) 1,1-Dichloroethane	5.921	63	328973	29.716	ug/l	95
25) 2-Butanone	6.890	43	260961	140.170	ug/l #	84
26) 2,2-Dichloropropane	6.884	77	277277	30.103	ug/l	96
27) cis-1,2-Dichloroethene	6.890	96	196528	29.687	ug/l	83
28) Bromochloromethane	7.244	49	137380	26.502	ug/l #	71
29) Tetrahydrofuran	7.262	42	150159	139.758	ug/l #	81
30) Chloroform	7.421	83	321845	29.297	ug/l	100
31) Cyclohexane	7.701	56	319127	29.776	ug/l	89
32) 1,1,1-Trichloroethane	7.616	97	290109	30.248	ug/l	94
36) 1,1-Dichloropropene	7.835	75	252441	29.905	ug/l	94
37) Ethyl Acetate	6.982	43	108369	26.927	ug/l	95
38) Carbon Tetrachloride	7.817	117	255169	30.060	ug/l	99
39) Methylcyclohexane	9.109	83	325568	30.388	ug/l #	89
40) Benzene	8.079	78	717780	29.132	ug/l	98

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY103024\
Data File : VY020082.D
Acq On : 30 Oct 2024 15:47
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY103024

Quant Time: Oct 31 15:29:03 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y103024S.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 15:23:13 2024
Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Romaben Patel 11/01/2024
Supervised By :Mahesh Dadoda 11/01/2024

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.220	41	63419	31.457	ug/l	#	79
42) 1,2-Dichloroethane	8.158	62	191476	28.075	ug/l		93
43) Isopropyl Acetate	8.195	43	215480	27.843	ug/l	#	78
44) Trichloroethene	8.866	130	162773	28.504	ug/l		85
45) 1,2-Dichloropropane	9.140	63	168774	28.630	ug/l		97
46) Dibromomethane	9.231	93	89880	28.139	ug/l		88
47) Bromodichloromethane	9.420	83	240667	28.761	ug/l	#	98
48) Methyl methacrylate	9.219	41	102609	28.624	ug/l	#	80
49) 1,4-Dioxane	9.225	88	17875	543.556	ug/l	#	89
51) 4-Methyl-2-Pentanone	10.000	43	560878	140.651	ug/l		89
52) Toluene	10.170	92	456965	30.087	ug/l		99
53) t-1,3-Dichloropropene	10.390	75	214547	29.035	ug/l		99
54) cis-1,3-Dichloropropene	9.853	75	257134	29.155	ug/l	#	85
55) 1,1,2-Trichloroethane	10.573	97	114405	28.807	ug/l		98
56) Ethyl methacrylate	10.438	69	166233	29.180	ug/l	#	73
57) 1,3-Dichloropropane	10.713	76	205867	28.306	ug/l		100
58) 2-Chloroethyl Vinyl ether	9.707	63	376129	133.877	ug/l		92
59) 2-Hexanone	10.762	43	408349	142.834	ug/l		87
60) Dibromochloromethane	10.908	129	145391	28.720	ug/l		99
61) 1,2-Dibromoethane	11.012	107	101472	27.501	ug/l		99
64) Tetrachloroethene	10.646	164	144117	29.134	ug/l		94
65) Chlorobenzene	11.438	112	466643	29.232	ug/l		98
66) 1,1,1,2-Tetrachloroethane	11.518	131	147606	28.941	ug/l		99
67) Ethyl Benzene	11.518	91	892211	29.899	ug/l		98
68) m/p-Xylenes	11.627	106	660200	60.470	ug/l		91
69) o-Xylene	11.950	106	310053	29.996	ug/l		92
70) Styrene	11.969	104	523115	30.608	ug/l		95
71) Bromoform	12.133	173	77218	29.512	ug/l	#	94
73) Isopropylbenzene	12.255	105	846459	32.772	ug/l		98
74) N-amyl acetate	12.072	43	205663	31.854	ug/l	#	86
75) 1,1,2,2-Tetrachloroethane	12.505	83	134581	29.793	ug/l		99
76) 1,2,3-Trichloropropane	12.554	75	92645m	30.568	ug/l		
77) Bromobenzene	12.530	156	162960	31.197	ug/l		82
78) n-propylbenzene	12.591	91	1066407	33.175	ug/l		97
79) 2-Chlorotoluene	12.676	91	579585	32.482	ug/l		94
80) 1,3,5-Trimethylbenzene	12.737	105	686904	33.126	ug/l		96
81) trans-1,4-Dichloro-2-b...	12.304	75	43078	30.573	ug/l	#	84
82) 4-Chlorotoluene	12.773	91	594632	32.684	ug/l		94
83) tert-Butylbenzene	12.993	119	615613	33.952	ug/l		94
84) 1,2,4-Trimethylbenzene	13.042	105	674768	32.854	ug/l		97
85) sec-Butylbenzene	13.176	105	941389	33.819	ug/l		97
86) p-Isopropyltoluene	13.292	119	756263	33.856	ug/l		96
87) 1,3-Dichlorobenzene	13.286	146	340750	32.111	ug/l		96
88) 1,4-Dichlorobenzene	13.365	146	336322	31.826	ug/l		96
89) n-Butylbenzene	13.615	91	776354	34.671	ug/l		97
90) Hexachloroethane	13.877	117	145909	33.029	ug/l		83
91) 1,2-Dichlorobenzene	13.657	146	294420	31.920	ug/l		96
92) 1,2-Dibromo-3-Chloropr...	14.273	75	20485	29.903	ug/l		72
93) 1,2,4-Trichlorobenzene	14.919	180	163820	33.062	ug/l		98
94) Hexachlorobutadiene	15.023	225	91247	33.677	ug/l		97
95) Naphthalene	15.145	128	301585	32.560	ug/l		99
96) 1,2,3-Trichlorobenzene	15.328	180	136291	32.403	ug/l		98

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY103024\
Data File : VY020082.D
Acq On : 30 Oct 2024 15:47
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY103024

Manual Integrations APPROVED

Reviewed By :Romaben Patel 11/01/2024
Supervised By :Mahesh Dadoda 11/01/2024

Quant Time: Oct 31 15:29:03 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y103024S.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 15:23:13 2024
Response via : Initial Calibration

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

(#) = qualifier out of range (m) = manual integration (+) = signals summed

ICAL Form

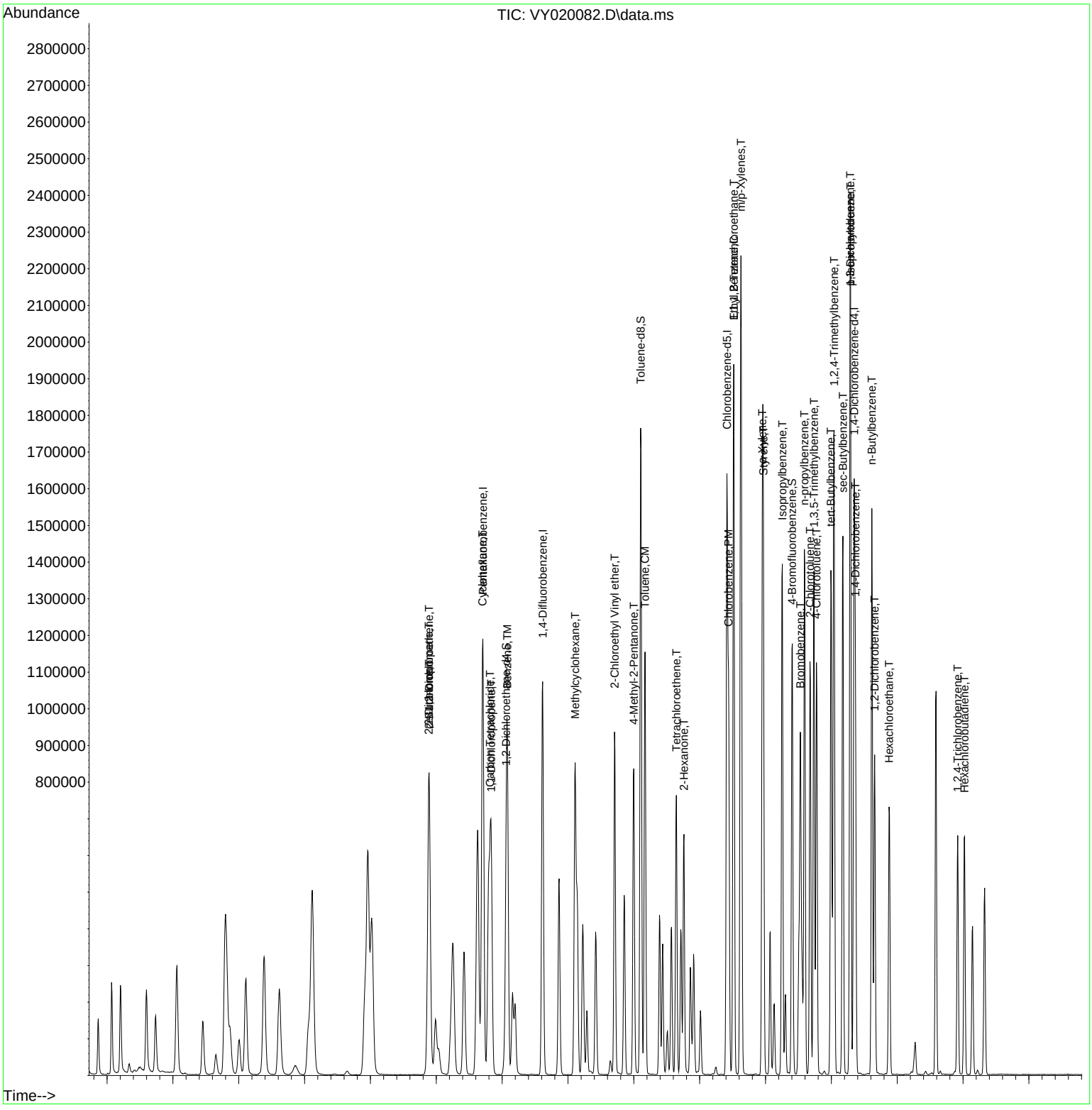
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY103024\
Data File : VY020082.D
Acq On : 30 Oct 2024 15:47
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Oct 31 15:29:03 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y103024S.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 15:23:13 2024
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY103024

Manual Integrations APPROVED

Reviewed By :Romaben Patel 11/01/2024
Supervised By :Mahesh Dadoda 11/01/2024



Evaluate Continuing Calibration Report

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY103024\
Data File : VY020082.D
Acq On : 30 Oct 2024 15:47
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY103024

Quant Time: Oct 31 15:29:03 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y103024S.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 15:23:13 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	Pentafluorobenzene	1.000	1.000	0.0	187#	0.00
2	T	Dichlorodifluoromethane	0.463	0.255	44.9#	125	0.00
3	P	Chloromethane	0.767	0.444	42.1#	122	0.00
4	C	Vinyl Chloride	0.823	0.491	40.3#	122	0.00
5	T	Bromomethane	0.546	0.314	42.5#	122	0.00
6	T	Chloroethane	0.531	0.308	42.0#	118	0.00
7	T	Trichlorofluoromethane	1.005	0.610	39.3#	123	0.00
8	T	Diethyl Ether	0.280	0.162	42.1#	120	0.00
9	T	1,1,2-Trichlorotrifluoroeth	0.564	0.341	39.5#	125	0.00
10	T	Methyl Iodide	0.544	0.313	42.5#	113	0.00
11	T	Tert butyl alcohol	0.045	0.021	53.3#	120	0.00
12	CM	1,1-Dichloroethene	0.540	0.330	38.9#	125	0.00
13	T	Acrolein	0.056	0.028	50.0#	104	0.00
14	T	Allyl chloride	0.973	0.595	38.8#	121	0.00
15	T	Acrylonitrile	0.128	0.072	43.8#	115	0.00
16	T	Acetone	0.145	0.086	40.7#	115	0.00
17	T	Carbon Disulfide	1.796	1.082	39.8#	121	0.00
18	T	Methyl Acetate	0.340	0.189	44.4#	111	0.00
19	T	Methyl tert-butyl Ether	1.357	0.790	41.8#	119	0.00
20	T	Methylene Chloride	0.652	0.343	47.4#	116	0.00
21	T	trans-1,2-Dichloroethene	0.609	0.365	40.1#	121	0.00
22	T	Diisopropyl ether	2.020	1.199	40.6#	118	0.00
23	T	Vinyl Acetate	1.137	0.676	40.5#	120	0.00
24	P	1,1-Dichloroethane	1.170	0.695	40.6#	121	0.00
25	T	2-Butanone	0.197	0.110	44.2#	115	0.00
26	T	2,2-Dichloropropane	0.973	0.586	39.8#	124	0.00
27	T	cis-1,2-Dichloroethene	0.700	0.415	40.7#	120	0.00
28	T	Bromochloromethane	0.548	0.290	47.1#	108	0.00
29	T	Tetrahydrofuran	0.114	0.063	44.7#	114	0.00
30	C	Chloroform	1.161	0.680	41.4#	119	0.00
31	T	Cyclohexane	1.132	0.674	40.5#	128	0.00
32	T	1,1,1-Trichloroethane	1.013	0.613	39.5#	121	0.00
33	S	1,2-Dichloroethane-d4	0.624	0.656	-5.1	209#	0.00
34	I	1,4-Difluorobenzene	1.000	1.000	0.0	191#	0.00
35	S	Dibromofluoromethane	0.318	0.319	-0.3	200#	0.00
36	T	1,1-Dichloropropene	0.491	0.294	40.1#	125	0.00
37	T	Ethyl Acetate	0.234	0.126	46.2#	115	0.00
38	T	Carbon Tetrachloride	0.494	0.297	39.9#	123	0.00
39	T	Methylcyclohexane	0.623	0.379	39.2#	125	0.00
40	TM	Benzene	1.433	0.835	41.7#	121	0.00
41	T	Methacrylonitrile	0.117	0.074	36.8#	119	0.00
42	TM	1,2-Dichloroethane	0.397	0.223	43.8#	117	0.00
43	T	Isopropyl Acetate	0.450	0.251	44.2#	116	0.00
44	TM	Trichloroethene	0.332	0.189	43.1#	118	0.00
45	C	1,2-Dichloropropane	0.343	0.196	42.9#	118	0.00
46	T	Dibromomethane	0.186	0.105	43.5#	117	0.00
47	T	Bromodichloromethane	0.487	0.280	42.5#	119	0.00
48	T	Methyl methacrylate	0.209	0.119	43.1#	116	0.00

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY103024\
Data File : VY020082.D
Acq On : 30 Oct 2024 15:47
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY103024

Quant Time: Oct 31 15:29:03 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y103024S.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 15:23:13 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
49	T	1,4-Dioxane	0.002	0.001	50.0#	114	0.00
50	S	Toluene-d8	1.265	1.284	-1.5	201#	0.00
51	T	4-Methyl-2-Pentanone	0.232	0.131	43.5#	114	0.00
52	CM	Toluene	0.884	0.532	39.8#	122	0.00
53	T	t-1,3-Dichloropropene	0.430	0.250	41.9#	119	0.00
54	T	cis-1,3-Dichloropropene	0.513	0.299	41.7#	118	0.00
55	T	1,1,2-Trichloroethane	0.231	0.133	42.4#	118	0.00
56	T	Ethyl methacrylate	0.331	0.193	41.7#	118	0.00
57	T	1,3-Dichloropropane	0.423	0.240	43.3#	117	0.00
58	T	2-Chloroethyl Vinyl ether	0.163	0.088	46.0#	105	0.00
59	T	2-Hexanone	0.166	0.095	42.8#	115	0.00
60	T	Dibromochloromethane	0.295	0.169	42.7#	119	0.00
61	T	1,2-Dibromoethane	0.215	0.118	45.1#	116	0.00
62	S	4-Bromofluorobenzene	0.411	0.409	0.5	196#	0.00
63	I	Chlorobenzene-d5	1.000	1.000	0.0	192#	0.00
64	T	Tetrachloroethene	0.330	0.192	41.8#	120	0.00
65	PM	Chlorobenzene	1.065	0.623	41.5#	120	0.00
66	T	1,1,1,2-Tetrachloroethane	0.340	0.197	42.1#	119	0.00
67	C	Ethyl Benzene	1.992	1.191	40.2#	122	0.00
68	T	m/p-Xylenes	0.729	0.441	39.5#	122	0.00
69	T	o-Xylene	0.690	0.414	40.0#	122	0.00
70	T	Styrene	1.141	0.698	38.8#	122	0.00
71	P	Bromoform	0.175	0.103	41.1#	120	0.00
72	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	172#	0.00
73	T	Isopropylbenzene	3.994	2.618	34.5#	122	0.00
74	T	N-amyl acetate	0.998	0.636	36.3#	119	0.00
75	P	1,1,2,2-Tetrachloroethane	0.699	0.416	40.5#	115	0.00
76	T	1,2,3-Trichloropropane	0.469	0.287	38.8#	115	0.00
77	T	Bromobenzene	0.808	0.504	37.6#	117	0.00
78	T	n-propylbenzene	4.971	3.298	33.7#	124	0.00
79	T	2-Chlorotoluene	2.759	1.793	35.0#	123	0.00
80	T	1,3,5-Trimethylbenzene	3.207	2.125	33.7#	123	0.00
81	T	trans-1,4-Dichloro-2-butene	0.218	0.133	39.0#	116	0.00
82	T	4-Chlorotoluene	2.813	1.839	34.6#	122	0.00
83	T	tert-Butylbenzene	2.804	1.904	32.1#	123	0.00
84	T	1,2,4-Trimethylbenzene	3.176	2.087	34.3#	122	0.00
85	T	sec-Butylbenzene	4.305	2.912	32.4#	125	0.00
86	T	p-Isopropyltoluene	3.454	2.339	32.3#	125	0.00
87	T	1,3-Dichlorobenzene	1.641	1.054	35.8#	120	0.00
88	T	1,4-Dichlorobenzene	1.634	1.040	36.4#	121	0.00
89	T	n-Butylbenzene	3.463	2.401	30.7#	127	0.00
90	T	Hexachloroethane	0.683	0.451	34.0#	124	0.00
91	T	1,2-Dichlorobenzene	1.426	0.911	36.1#	120	0.00
92	T	1,2-Dibromo-3-Chloropropane	0.106	0.063	40.6#	119	0.00
93	T	1,2,4-Trichlorobenzene	0.766	0.507	33.8#	126	0.00
94	T	Hexachlorobutadiene	0.419	0.282	32.7#	125	0.00
95	T	Naphthalene	1.432	0.933	34.8#	121	0.00

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY103024\
Data File : VY020082.D
Acq On : 30 Oct 2024 15:47
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY103024

Quant Time: Oct 31 15:29:03 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y103024S.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 15:23:13 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
96 T	1,2,3-Trichlorobenzene	0.650	0.422	35.1#	126	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 6

Evaluate Continuing Calibration Report

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY103024\
Data File : VY020082.D
Acq On : 30 Oct 2024 15:47
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY103024

Quant Time: Oct 31 15:29:03 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y103024S.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 15:23:13 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	Pentafluorobenzene	50.000	50.000	0.0	187	0.00
2	T	Dichlorodifluoromethane	50.000	27.512	45.0#	125	0.00
3	P	Chloromethane	50.000	28.978	42.0#	122	0.00
4	C	Vinyl Chloride	50.000	29.832	40.3#	122	0.00
5	T	Bromomethane	50.000	28.740	42.5#	122	0.00
6	T	Chloroethane	50.000	28.986	42.0#	118	0.00
7	T	Trichlorofluoromethane	50.000	30.329	39.3#	123	0.00
8	T	Diethyl Ether	50.000	28.839	42.3#	120	0.00
9	T	1,1,2-Trichlorotrifluoroeth	50.000	30.214	39.6#	125	0.00
10	T	Methyl Iodide	50.000	28.738	42.5#	113	0.00
11	T	Tert butyl alcohol	250.000	117.881	52.8#	120	0.00
12	CM	1,1-Dichloroethene	50.000	30.538	38.9#	125	0.00
13	T	Acrolein	250.000	123.633	50.5#	104	0.00
14	T	Allyl chloride	50.000	30.540	38.9#	121	0.00
15	T	Acrylonitrile	250.000	140.436	43.8#	115	0.00
16	T	Acetone	250.000	147.642	40.9#	115	0.00
17	T	Carbon Disulfide	50.000	30.122	39.8#	121	0.00
18	T	Methyl Acetate	50.000	27.718	44.6#	111	0.00
19	T	Methyl tert-butyl Ether	50.000	29.087	41.8#	119	0.00
20	T	Methylene Chloride	50.000	26.345	47.3#	116	0.00
21	T	trans-1,2-Dichloroethene	50.000	30.014	40.0#	121	0.00
22	T	Diisopropyl ether	50.000	29.665	40.7#	118	0.00
23	T	Vinyl Acetate	250.000	148.749	40.5#	120	0.00
24	P	1,1-Dichloroethane	50.000	29.716	40.6#	121	0.00
25	T	2-Butanone	250.000	140.170	43.9#	115	0.00
26	T	2,2-Dichloropropane	50.000	30.103	39.8#	124	0.00
27	T	cis-1,2-Dichloroethene	50.000	29.687	40.6#	120	0.00
28	T	Bromochloromethane	50.000	26.502	47.0#	108	0.00
29	T	Tetrahydrofuran	250.000	139.758	44.1#	114	0.00
30	C	Chloroform	50.000	29.297	41.4#	119	0.00
31	T	Cyclohexane	50.000	29.776	40.4#	128	0.00
32	T	1,1,1-Trichloroethane	50.000	30.248	39.5#	121	0.00
33	S	1,2-Dichloroethane-d4	50.000	52.594	-5.2	209	0.00
34	I	1,4-Difluorobenzene	50.000	50.000	0.0	191	0.00
35	S	Dibromofluoromethane	50.000	50.153	-0.3	200	0.00
36	T	1,1-Dichloropropene	50.000	29.905	40.2#	125	0.00
37	T	Ethyl Acetate	50.000	26.927	46.1#	115	0.00
38	T	Carbon Tetrachloride	50.000	30.060	39.9#	123	0.00
39	T	Methylcyclohexane	50.000	30.388	39.2#	125	0.00
40	TM	Benzene	50.000	29.132	41.7#	121	0.00
41	T	Methacrylonitrile	50.000	31.457	37.1#	119	0.00
42	TM	1,2-Dichloroethane	50.000	28.075	43.9#	117	0.00
43	T	Isopropyl Acetate	50.000	27.843	44.3#	116	0.00
44	TM	Trichloroethene	50.000	28.504	43.0#	118	0.00
45	C	1,2-Dichloropropane	50.000	28.630	42.7#	118	0.00
46	T	Dibromomethane	50.000	28.139	43.7#	117	0.00
47	T	Bromodichloromethane	50.000	28.761	42.5#	119	0.00
48	T	Methyl methacrylate	50.000	28.624	42.8#	116	0.00

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY103024\
Data File : VY020082.D
Acq On : 30 Oct 2024 15:47
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY103024

Quant Time: Oct 31 15:29:03 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y103024S.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 15:23:13 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
49	T	1,4-Dioxane	1000.000	543.556	45.6#	114	0.00
50	S	Toluene-d8	50.000	50.725	-1.5	201	0.00
51	T	4-Methyl-2-Pentanone	250.000	140.651	43.7#	114	0.00
52	CM	Toluene	50.000	30.087	39.8#	122	0.00
53	T	t-1,3-Dichloropropene	50.000	29.035	41.9#	119	0.00
54	T	cis-1,3-Dichloropropene	50.000	29.155	41.7#	118	0.00
55	T	1,1,2-Trichloroethane	50.000	28.807	42.4#	118	0.00
56	T	Ethyl methacrylate	50.000	29.180	41.6#	118	0.00
57	T	1,3-Dichloropropane	50.000	28.306	43.4#	117	0.00
58	T	2-Chloroethyl Vinyl ether	250.000	133.877	46.4#	105	0.00
59	T	2-Hexanone	250.000	142.834	42.9#	115	0.00
60	T	Dibromochloromethane	50.000	28.720	42.6#	119	0.00
61	T	1,2-Dibromoethane	50.000	27.501	45.0#	116	0.00
62	S	4-Bromofluorobenzene	50.000	49.768	0.5	196	0.00
63	I	Chlorobenzene-d5	50.000	50.000	0.0	192	0.00
64	T	Tetrachloroethene	50.000	29.134	41.7#	120	0.00
65	PM	Chlorobenzene	50.000	29.232	41.5#	120	0.00
66	T	1,1,1,2-Tetrachloroethane	50.000	28.941	42.1#	119	0.00
67	C	Ethyl Benzene	50.000	29.899	40.2#	122	0.00
68	T	m/p-Xylenes	100.000	60.470	39.5#	122	0.00
69	T	o-Xylene	50.000	29.996	40.0#	122	0.00
70	T	Styrene	50.000	30.608	38.8#	122	0.00
71	P	Bromoform	50.000	29.512	41.0#	120	0.00
72	I	1,4-Dichlorobenzene-d4	50.000	50.000	0.0	172	0.00
73	T	Isopropylbenzene	50.000	32.772	34.5#	122	0.00
74	T	N-amyl acetate	50.000	31.854	36.3#	119	0.00
75	P	1,1,2,2-Tetrachloroethane	50.000	29.793	40.4#	115	0.00
76	T	1,2,3-Trichloropropane	50.000	30.568	38.9#	115	0.00
77	T	Bromobenzene	50.000	31.197	37.6#	117	0.00
78	T	n-propylbenzene	50.000	33.175	33.7#	124	0.00
79	T	2-Chlorotoluene	50.000	32.482	35.0#	123	0.00
80	T	1,3,5-Trimethylbenzene	50.000	33.126	33.7#	123	0.00
81	T	trans-1,4-Dichloro-2-butene	50.000	30.573	38.9#	116	0.00
82	T	4-Chlorotoluene	50.000	32.684	34.6#	122	0.00
83	T	tert-Butylbenzene	50.000	33.952	32.1#	123	0.00
84	T	1,2,4-Trimethylbenzene	50.000	32.854	34.3#	122	0.00
85	T	sec-Butylbenzene	50.000	33.819	32.4#	125	0.00
86	T	p-Isopropyltoluene	50.000	33.856	32.3#	125	0.00
87	T	1,3-Dichlorobenzene	50.000	32.111	35.8#	120	0.00
88	T	1,4-Dichlorobenzene	50.000	31.826	36.3#	121	0.00
89	T	n-Butylbenzene	50.000	34.671	30.7#	127	0.00
90	T	Hexachloroethane	50.000	33.029	33.9#	124	0.00
91	T	1,2-Dichlorobenzene	50.000	31.920	36.2#	120	0.00
92	T	1,2-Dibromo-3-Chloropropane	50.000	29.903	40.2#	119	0.00
93	T	1,2,4-Trichlorobenzene	50.000	33.062	33.9#	126	0.00
94	T	Hexachlorobutadiene	50.000	33.677	32.6#	125	0.00
95	T	Naphthalene	50.000	32.560	34.9#	121	0.00

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY103024\
Data File : VY020082.D
Acq On : 30 Oct 2024 15:47
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY103024

Quant Time: Oct 31 15:29:03 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y103024S.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 15:23:13 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
96 T	1,2,3-Trichlorobenzene	50.000	32.403	35.2#	126	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 6

Raw Data: **VY020133.D**

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: POWE02

Lab Code: CHEM Case No.: P4675 SAS No.: P4675 SDG No.: P4675

Instrument ID: MSVOA_Y Calibration Date/Time: 11/04/2024 09:42

Lab File ID: VY020133.D Init. Calib. Date(s): 10/30/2024 10/30/2024

Heated Purge: (Y/N) Y Init. Calib. Time(s): 12:39 14:52

GC Column: RXI-624 ID: 0.25 (mm)

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
cis-1,2-Dichloroethene	0.700	0.796		13.71	20
1,1,1-Trichloroethane	1.013	1.146		13.13	20
Benzene	1.433	1.616		12.77	20
Trichloroethene	0.332	0.373		12.35	20
Toluene	0.884	1.023		15.72	20
Ethyl Benzene	1.992	2.300		15.46	20
m/p-Xylenes	0.729	0.853		17.01	20
o-Xylene	0.690	0.798		15.65	20
Isopropylbenzene	3.994	4.804		20.28	20
1,2-Dichloroethane-d4	0.624	0.639		2.4	20
Dibromofluoromethane	0.318	0.337		5.97	20
Toluene-d8	1.265	1.328		4.98	20
4-Bromofluorobenzene	0.411	0.423		2.92	20

All other compounds must meet a minimum RRF of 0.010.
RRF of 1,4-Dioxane = Value should be divide by 1000.

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY110424\
Data File : VY020133.D
Acq On : 04 Nov 2024 09:42
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Nov 05 00:26:51 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y103024S.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 15:23:13 2024
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 11/05/2024
Supervised By :Mahesh Dadoda 11/05/2024

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Pentafluorobenzene	7.719	168	239824	50.000	ug/l	#	0.01
34) 1,4-Difluorobenzene	8.622	114	426500	50.000	ug/l		0.00
63) Chlorobenzene-d5	11.420	117	366904	50.000	ug/l		0.00
72) 1,4-Dichlorobenzene-d4	13.352	152	164869	50.000	ug/l		0.00
System Monitoring Compounds							
33) 1,2-Dichloroethane-d4	8.073	65	153360	51.237	ug/l		0.01
Spiked Amount 50.000	Range 50 - 163		Recovery = 102.480%				
35) Dibromofluoromethane	7.646	113	143919	53.074	ug/l		0.01
Spiked Amount 50.000	Range 54 - 147		Recovery = 106.140%				
50) Toluene-d8	10.115	98	566240	52.460	ug/l		0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 104.920%				
62) 4-Bromofluorobenzene	12.408	95	180210	51.401	ug/l		0.00
Spiked Amount 50.000	Range 29 - 146		Recovery = 102.800%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.873	85	103587	46.661	ug/l		99
3) Chloromethane	2.080	50	177923	48.385	ug/l		95
4) Vinyl Chloride	2.214	62	195665	49.565	ug/l		99
5) Bromomethane	2.610	94	126938	48.433	ug/l		100
6) Chloroethane	2.751	64	130486	51.218	ug/l		99
7) Trichlorofluoromethane	3.074	101	249851	51.809	ug/l		96
8) Diethyl Ether	3.464	74	72314	53.763	ug/l		76
9) 1,1,2-Trichlorotrifluo...	3.830	101	143353	52.998	ug/l		90
10) Methyl Iodide	4.019	142	155481	59.538	ug/l		91
11) Tert butyl alcohol	4.872	59	40572	188.445	ug/l	#	79
12) 1,1-Dichloroethene	3.805	96	137923	53.293	ug/l	#	79
13) Acrolein	3.665	56	49821	185.890	ug/l		98
14) Allyl chloride	4.397	41	261369	55.977	ug/l	#	89
15) Acrylonitrile	5.073	53	161480	263.744	ug/l		96
16) Acetone	3.879	43	220782	317.182	ug/l	#	83
17) Carbon Disulfide	4.116	76	464831	53.971	ug/l		99
18) Methyl Acetate	4.397	43	84886	51.976	ug/l	#	89
19) Methyl tert-butyl Ether	5.134	73	356585	54.767	ug/l		98
20) Methylene Chloride	4.635	84	154767	49.495	ug/l	#	88
21) trans-1,2-Dichloroethene	5.128	96	161881	55.463	ug/l		85
22) Diisopropyl ether	6.031	45	561258	57.924	ug/l		90
23) Vinyl Acetate	5.970	43	1534030	281.319	ug/l	#	90
24) 1,1-Dichloroethane	5.933	63	314457	56.047	ug/l		95
25) 2-Butanone	6.902	43	264797	280.637	ug/l	#	81
26) 2,2-Dichloropropane	6.896	77	265272	56.825	ug/l		95
27) cis-1,2-Dichloroethene	6.902	96	190780	56.862	ug/l		84
28) Bromochloromethane	7.256	49	131134	49.914	ug/l	#	71
29) Tetrahydrofuran	7.274	42	142984	262.582	ug/l	#	82
30) Chloroform	7.433	83	315263	56.625	ug/l		100
31) Cyclohexane	7.713	56	279867	51.524	ug/l		85
32) 1,1,1-Trichloroethane	7.628	97	274940	56.562	ug/l	#	94
36) 1,1-Dichloropropene	7.847	75	234564	55.997	ug/l		94
37) Ethyl Acetate	6.994	43	103209	51.679	ug/l		95
38) Carbon Tetrachloride	7.829	117	236120	56.055	ug/l		99
39) Methylcyclohexane	9.115	83	289759	54.502	ug/l	#	86
40) Benzene	8.091	78	689163	56.365	ug/l		99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY110424\
Data File : VY020133.D
Acq On : 04 Nov 2024 09:42
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Nov 05 00:26:51 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y103024S.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 15:23:13 2024
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 11/05/2024
Supervised By :Mahesh Dadoda 11/05/2024

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.238	41	55932	55.908	ug/l	#	87
42) 1,2-Dichloroethane	8.170	62	187481	55.396	ug/l		94
43) Isopropyl Acetate	8.207	43	207594	54.055	ug/l	#	89
44) Trichloroethene	8.872	130	158887	56.069	ug/l		89
45) 1,2-Dichloropropane	9.152	63	164417	56.206	ug/l		99
46) Dibromomethane	9.237	93	86670	54.680	ug/l		90
47) Bromodichloromethane	9.432	83	237700	57.244	ug/l		99
48) Methyl methacrylate	9.225	41	97430	54.771	ug/l	#	80
49) 1,4-Dioxane	9.237	88	16431	1006.876	ug/l	#	84
51) 4-Methyl-2-Pentanone	10.006	43	538783	272.271	ug/l		89
52) Toluene	10.176	92	436348	57.895	ug/l		99
53) t-1,3-Dichloropropene	10.402	75	210639	57.446	ug/l		100
54) cis-1,3-Dichloropropene	9.859	75	250284	57.187	ug/l	#	87
55) 1,1,2-Trichloroethane	10.579	97	109997	55.814	ug/l		96
56) Ethyl methacrylate	10.444	69	156303	55.290	ug/l	#	72
57) 1,3-Dichloropropane	10.725	76	199090	55.164	ug/l		99
58) 2-Chloroethyl Vinyl ether	9.719	63	349903	250.975	ug/l		92
59) 2-Hexanone	10.768	43	394976	278.410	ug/l		87
60) Dibromochloromethane	10.920	129	142899	56.883	ug/l		100
61) 1,2-Dibromoethane	11.018	107	98293	53.683	ug/l		99
64) Tetrachloroethene	10.652	164	136272	56.252	ug/l		94
65) Chlorobenzene	11.444	112	446949	57.170	ug/l		97
66) 1,1,1,2-Tetrachloroethane	11.524	131	146704	58.734	ug/l		99
67) Ethyl Benzene	11.524	91	844035	57.755	ug/l		100
68) m/p-Xylenes	11.633	106	625758	117.034	ug/l		92
69) o-Xylene	11.962	106	292878	57.857	ug/l		92
70) Styrene	11.975	104	491121	58.677	ug/l		96
71) Bromoform	12.139	173	72425	56.521	ug/l	#	100
73) Isopropylbenzene	12.261	105	792059	60.138	ug/l		98
74) N-amyl acetate	12.072	43	181239	55.050	ug/l	#	87
75) 1,1,2,2-Tetrachloroethane	12.511	83	126709	55.010	ug/l		99
76) 1,2,3-Trichloropropane	12.560	75	87507m	56.621	ug/l		
77) Bromobenzene	12.536	156	157303	59.056	ug/l		84
78) n-propylbenzene	12.603	91	981539	59.881	ug/l		96
79) 2-Chlorotoluene	12.688	91	539573	59.302	ug/l		93
80) 1,3,5-Trimethylbenzene	12.743	105	632583	59.826	ug/l		96
81) trans-1,4-Dichloro-2-b...	12.310	75	40805	56.792	ug/l	#	83
82) 4-Chlorotoluene	12.779	91	550205	59.308	ug/l		96
83) tert-Butylbenzene	13.005	119	567461	61.374	ug/l		95
84) 1,2,4-Trimethylbenzene	13.048	105	628295	59.992	ug/l		96
85) sec-Butylbenzene	13.182	105	846976	59.671	ug/l		98
86) p-Isopropyltoluene	13.298	119	679327	59.641	ug/l		96
87) 1,3-Dichlorobenzene	13.291	146	314510	58.123	ug/l		97
88) 1,4-Dichlorobenzene	13.371	146	304920	56.585	ug/l		97
89) n-Butylbenzene	13.621	91	669997	58.678	ug/l		97
90) Hexachloroethane	13.883	117	130422	57.897	ug/l		87
91) 1,2-Dichlorobenzene	13.663	146	268072	56.995	ug/l		98
92) 1,2-Dibromo-3-Chloropr...	14.279	75	17671	50.587	ug/l		75
93) 1,2,4-Trichlorobenzene	14.925	180	128346	50.797	ug/l		97
94) Hexachlorobutadiene	15.029	225	73830	53.437	ug/l		99
95) Naphthalene	15.151	128	225392	47.721	ug/l		100
96) 1,2,3-Trichlorobenzene	15.334	180	102487	47.784	ug/l		98

Sample Results: **VY020133.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY110424\
Data File : VY020133.D
Acq On : 04 Nov 2024 09:42
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Nov 05 00:26:51 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y103024S.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 15:23:13 2024
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 11/05/2024
Supervised By :Mahesh Dadoda 11/05/2024

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

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Sample Results: **VY020133.D**

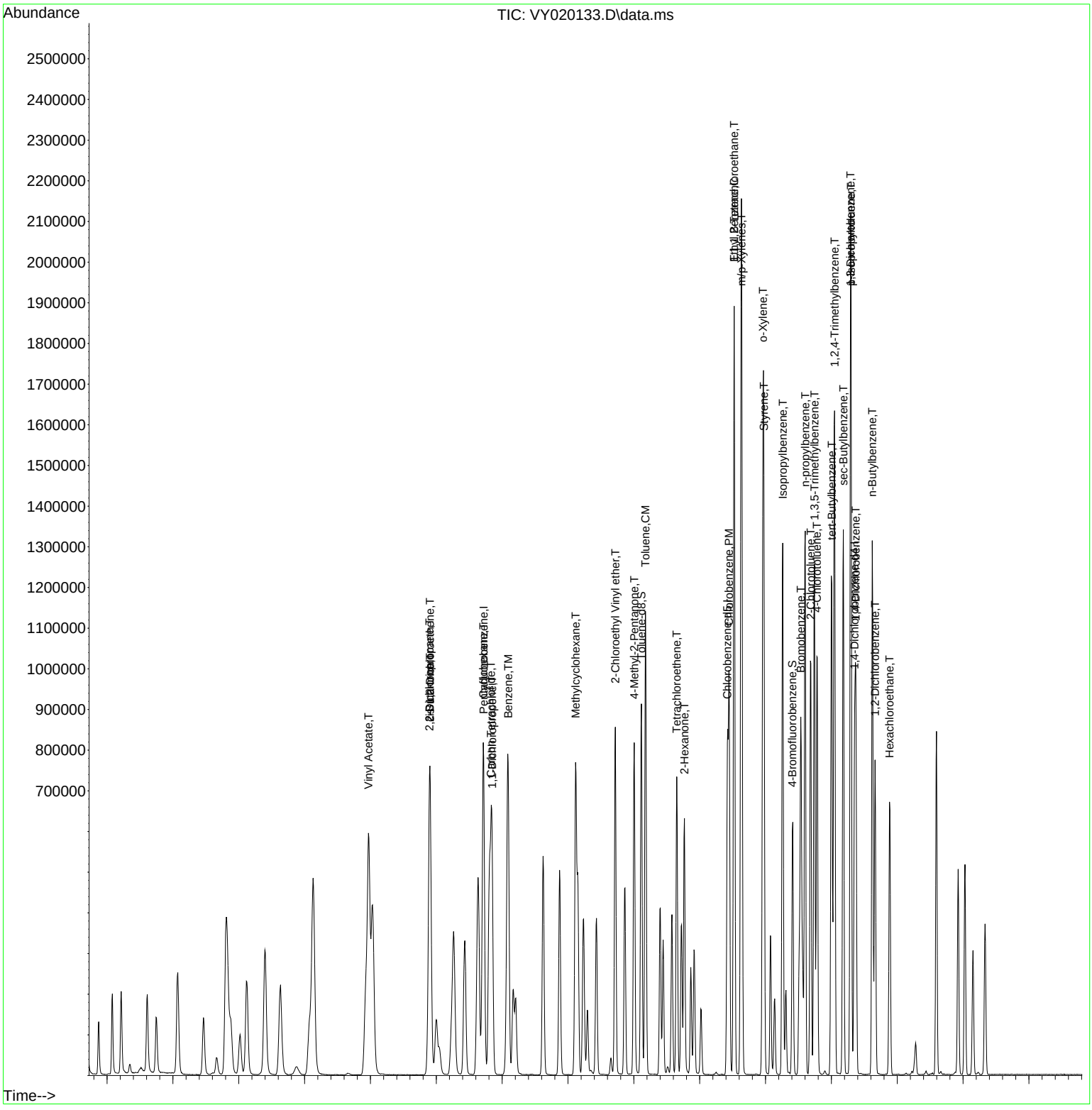
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY110424\
Data File : VY020133.D
Acq On : 04 Nov 2024 09:42
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Nov 05 00:26:51 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y103024S.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 15:23:13 2024
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 11/05/2024
Supervised By :Mahesh Dadoda 11/05/2024



Sample Results: **VY020133.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY110424\
Data File : VY020133.D
Acq On : 04 Nov 2024 09:42
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_Y
LabSampleId :
VSTDCCC050

Quant Time: Nov 05 00:26:51 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y103024S.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 15:23:13 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	Pentafluorobenzene	1.000	1.000	0.0	95	0.01
2	T	Dichlorodifluoromethane	0.463	0.432	6.7	107	0.00
3	P	Chloromethane	0.767	0.742	3.3	103	0.01
4	C	Vinyl Chloride	0.823	0.816	0.9#	103	0.00
5	T	Bromomethane	0.546	0.529	3.1	104	0.01
6	T	Chloroethane	0.531	0.544	-2.4	106	0.01
7	T	Trichlorofluoromethane	1.005	1.042	-3.7	106	0.01
8	T	Diethyl Ether	0.280	0.302	-7.9	113	0.00
9	T	1,1,2-Trichlorotrifluoroeth	0.564	0.598	-6.0	111	0.02
10	T	Methyl Iodide	0.544	0.648	-19.1	119	0.01
11	T	Tert butyl alcohol	0.045	0.034	24.4	97	0.01
12	CM	1,1-Dichloroethene	0.540	0.575	-6.5#	111	0.02
13	T	Acrolein	0.056	0.042	25.0	79	0.01
14	T	Allyl chloride	0.973	1.090	-12.0	113	0.01
15	T	Acrylonitrile	0.128	0.135	-5.5	109	0.02
16	T	Acetone	0.145	0.184	-26.9#	125	0.00
17	T	Carbon Disulfide	1.796	1.938	-7.9	110	0.01
18	T	Methyl Acetate	0.340	0.354	-4.1	106	0.01
19	T	Methyl tert-butyl Ether	1.357	1.487	-9.6	114	0.02
20	T	Methylene Chloride	0.652	0.645	1.1	110	0.02
21	T	trans-1,2-Dichloroethene	0.609	0.675	-10.8	113	0.02
22	T	Diisopropyl ether	2.020	2.340	-15.8	117	0.01
23	T	Vinyl Acetate	1.137	1.279	-12.5	115	0.01
24	P	1,1-Dichloroethane	1.170	1.311	-12.1	116	0.02
25	T	2-Butanone	0.197	0.221	-12.2	117	0.01
26	T	2,2-Dichloropropane	0.973	1.106	-13.7	119	0.01
27	T	cis-1,2-Dichloroethene	0.700	0.796	-13.7	117	0.01
28	T	Bromochloromethane	0.548	0.547	0.2	103	0.01
29	T	Tetrahydrofuran	0.114	0.119	-4.4	109	0.01
30	C	Chloroform	1.161	1.315	-13.3#	117	0.01
31	T	Cyclohexane	1.132	1.167	-3.1	112	0.01
32	T	1,1,1-Trichloroethane	1.013	1.146	-13.1	114	0.01
33	S	1,2-Dichloroethane-d4	0.624	0.639	-2.4	103	0.01
34	I	1,4-Difluorobenzene	1.000	1.000	0.0	95	0.00
35	S	Dibromofluoromethane	0.318	0.337	-6.0	105	0.01
36	T	1,1-Dichloropropene	0.491	0.550	-12.0	116	0.01
37	T	Ethyl Acetate	0.234	0.242	-3.4	109	0.01
38	T	Carbon Tetrachloride	0.494	0.554	-12.1	114	0.01
39	T	Methylcyclohexane	0.623	0.679	-9.0	112	0.00
40	TM	Benzene	1.433	1.616	-12.8	116	0.01
41	T	Methacrylonitrile	0.117	0.131	-12.0	105	0.02
42	TM	1,2-Dichloroethane	0.397	0.440	-10.8	115	0.01
43	T	Isopropyl Acetate	0.450	0.487	-8.2	112	0.01
44	TM	Trichloroethene	0.332	0.373	-12.3	115	0.00
45	C	1,2-Dichloropropane	0.343	0.386	-12.5#	115	0.01
46	T	Dibromomethane	0.186	0.203	-9.1	113	0.00
47	T	Bromodichloromethane	0.487	0.557	-14.4	117	0.00
48	T	Methyl methacrylate	0.209	0.228	-9.1	110	0.00

Sample Results: **VY020133.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY110424\
Data File : VY020133.D
Acq On : 04 Nov 2024 09:42
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_Y
LabSampleId :
VSTDCCC050

Quant Time: Nov 05 00:26:51 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y103024S.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 15:23:13 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
49	T	1,4-Dioxane	0.002	0.002	0.0	105	0.00
50	S	Toluene-d8	1.265	1.328	-5.0	103	0.00
51	T	4-Methyl-2-Pentanone	0.232	0.253	-9.1	110	0.00
52	CM	Toluene	0.884	1.023	-15.7#	117	0.00
53	T	t-1,3-Dichloropropene	0.430	0.494	-14.9	117	0.00
54	T	cis-1,3-Dichloropropene	0.513	0.587	-14.4	115	0.00
55	T	1,1,2-Trichloroethane	0.231	0.258	-11.7	114	0.00
56	T	Ethyl methacrylate	0.331	0.366	-10.6	111	0.00
57	T	1,3-Dichloropropane	0.423	0.467	-10.4	113	0.00
58	T	2-Chloroethyl Vinyl ether	0.163	0.164	-0.6	97	0.00
59	T	2-Hexanone	0.166	0.185	-11.4	112	0.00
60	T	Dibromochloromethane	0.295	0.335	-13.6	117	0.00
61	T	1,2-Dibromoethane	0.215	0.230	-7.0	112	0.00
62	S	4-Bromofluorobenzene	0.411	0.423	-2.9	101	0.00
63	I	Chlorobenzene-d5	1.000	1.000	0.0	94	0.00
64	T	Tetrachloroethene	0.330	0.371	-12.4	113	0.00
65	PM	Chlorobenzene	1.065	1.218	-14.4	115	0.00
66	T	1,1,1,2-Tetrachloroethane	0.340	0.400	-17.6	118	0.00
67	C	Ethyl Benzene	1.992	2.300	-15.5#	115	0.00
68	T	m/p-Xylenes	0.729	0.853	-17.0	116	0.00
69	T	o-Xylene	0.690	0.798	-15.7	115	0.00
70	T	Styrene	1.141	1.339	-17.4	115	0.00
71	P	Bromoform	0.175	0.197	-12.6	113	0.00
72	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	88	0.00
73	T	Isopropylbenzene	3.994	4.804	-20.3	115	0.00
74	T	N-amyl acetate	0.998	1.099	-10.1	105	0.00
75	P	1,1,2,2-Tetrachloroethane	0.699	0.769	-10.0	108	0.00
76	T	1,2,3-Trichloropropane	0.469	0.531	-13.2	109	0.00
77	T	Bromobenzene	0.808	0.954	-18.1	113	0.00
78	T	n-propylbenzene	4.971	5.953	-19.8	114	0.00
79	T	2-Chlorotoluene	2.759	3.273	-18.6	114	0.00
80	T	1,3,5-Trimethylbenzene	3.207	3.837	-19.6	113	0.00
81	T	trans-1,4-Dichloro-2-butene	0.218	0.247	-13.3	110	0.00
82	T	4-Chlorotoluene	2.813	3.337	-18.6	113	0.00
83	T	tert-Butylbenzene	2.804	3.442	-22.8	114	0.00
84	T	1,2,4-Trimethylbenzene	3.176	3.811	-20.0	114	0.00
85	T	sec-Butylbenzene	4.305	5.137	-19.3	113	0.00
86	T	p-Isopropyltoluene	3.454	4.120	-19.3	112	0.00
87	T	1,3-Dichlorobenzene	1.641	1.908	-16.3	111	0.00
88	T	1,4-Dichlorobenzene	1.634	1.849	-13.2	109	0.00
89	T	n-Butylbenzene	3.463	4.064	-17.4	110	0.00
90	T	Hexachloroethane	0.683	0.791	-15.8	111	0.00
91	T	1,2-Dichlorobenzene	1.426	1.626	-14.0	109	0.00
92	T	1,2-Dibromo-3-Chloropropane	0.106	0.107	-0.9	103	0.00
93	T	1,2,4-Trichlorobenzene	0.766	0.778	-1.6	99	0.00
94	T	Hexachlorobutadiene	0.419	0.448	-6.9	101	0.00
95	T	Naphthalene	1.432	1.367	4.5	91	0.00

Sample Results: **VY020133.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY110424\
Data File : VY020133.D
Acq On : 04 Nov 2024 09:42
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_Y
LabSampleId :
VSTDCCC050

Quant Time: Nov 05 00:26:51 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y103024S.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 15:23:13 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
96 T	1,2,3-Trichlorobenzene	0.650	0.622	4.3	95	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 6

Evaluate Continuing Calibration Report

Sample Results: **VY020133.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY110424\
Data File : VY020133.D
Acq On : 04 Nov 2024 09:42
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_Y
LabSampleId :
VSTDCCC050

Quant Time: Nov 05 00:26:51 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y103024S.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 15:23:13 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	Pentafluorobenzene	50.000	50.000	0.0	95	0.01
2	T	Dichlorodifluoromethane	50.000	46.661	6.7	107	0.00
3	P	Chloromethane	50.000	48.385	3.2	103	0.01
4	C	Vinyl Chloride	50.000	49.565	0.9#	103	0.00
5	T	Bromomethane	50.000	48.433	3.1	104	0.01
6	T	Chloroethane	50.000	51.218	-2.4	106	0.01
7	T	Trichlorofluoromethane	50.000	51.809	-3.6	106	0.01
8	T	Diethyl Ether	50.000	53.763	-7.5	113	0.00
9	T	1,1,2-Trichlorotrifluoroeth	50.000	52.998	-6.0	111	0.02
10	T	Methyl Iodide	50.000	59.538	-19.1	119	0.01
11	T	Tert butyl alcohol	250.000	188.445	24.6	97	0.01
12	CM	1,1-Dichloroethene	50.000	53.293	-6.6#	111	0.02
13	T	Acrolein	250.000	185.890	25.6#	79	0.01
14	T	Allyl chloride	50.000	55.977	-12.0	113	0.01
15	T	Acrylonitrile	250.000	263.744	-5.5	109	0.02
16	T	Acetone	250.000	317.182	-26.9#	125	0.00
17	T	Carbon Disulfide	50.000	53.971	-7.9	110	0.01
18	T	Methyl Acetate	50.000	51.976	-4.0	106	0.01
19	T	Methyl tert-butyl Ether	50.000	54.767	-9.5	114	0.02
20	T	Methylene Chloride	50.000	49.495	1.0	110	0.02
21	T	trans-1,2-Dichloroethene	50.000	55.463	-10.9	113	0.02
22	T	Diisopropyl ether	50.000	57.924	-15.8	117	0.01
23	T	Vinyl Acetate	250.000	281.319	-12.5	115	0.01
24	P	1,1-Dichloroethane	50.000	56.047	-12.1	116	0.02
25	T	2-Butanone	250.000	280.637	-12.3	117	0.01
26	T	2,2-Dichloropropane	50.000	56.825	-13.7	119	0.01
27	T	cis-1,2-Dichloroethene	50.000	56.862	-13.7	117	0.01
28	T	Bromochloromethane	50.000	49.914	0.2	103	0.01
29	T	Tetrahydrofuran	250.000	262.582	-5.0	109	0.01
30	C	Chloroform	50.000	56.625	-13.3#	117	0.01
31	T	Cyclohexane	50.000	51.524	-3.0	112	0.01
32	T	1,1,1-Trichloroethane	50.000	56.562	-13.1	114	0.01
33	S	1,2-Dichloroethane-d4	50.000	51.237	-2.5	103	0.01
34	I	1,4-Difluorobenzene	50.000	50.000	0.0	95	0.00
35	S	Dibromofluoromethane	50.000	53.074	-6.1	105	0.01
36	T	1,1-Dichloropropene	50.000	55.997	-12.0	116	0.01
37	T	Ethyl Acetate	50.000	51.679	-3.4	109	0.01
38	T	Carbon Tetrachloride	50.000	56.055	-12.1	114	0.01
39	T	Methylcyclohexane	50.000	54.502	-9.0	112	0.00
40	TM	Benzene	50.000	56.365	-12.7	116	0.01
41	T	Methacrylonitrile	50.000	55.908	-11.8	105	0.02
42	TM	1,2-Dichloroethane	50.000	55.396	-10.8	115	0.01
43	T	Isopropyl Acetate	50.000	54.055	-8.1	112	0.01
44	TM	Trichloroethene	50.000	56.069	-12.1	115	0.00
45	C	1,2-Dichloropropane	50.000	56.206	-12.4#	115	0.01
46	T	Dibromomethane	50.000	54.680	-9.4	113	0.00
47	T	Bromodichloromethane	50.000	57.244	-14.5	117	0.00
48	T	Methyl methacrylate	50.000	54.771	-9.5	110	0.00

Sample Results: **VY020133.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY110424\
Data File : VY020133.D
Acq On : 04 Nov 2024 09:42
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_Y
LabSampleId :
VSTDCCC050

Quant Time: Nov 05 00:26:51 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y103024S.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 15:23:13 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
49	T	1,4-Dioxane	1000.000	1006.876	-0.7	105	0.00
50	S	Toluene-d8	50.000	52.460	-4.9	103	0.00
51	T	4-Methyl-2-Pentanone	250.000	272.271	-8.9	110	0.00
52	CM	Toluene	50.000	57.895	-15.8#	117	0.00
53	T	t-1,3-Dichloropropene	50.000	57.446	-14.9	117	0.00
54	T	cis-1,3-Dichloropropene	50.000	57.187	-14.4	115	0.00
55	T	1,1,2-Trichloroethane	50.000	55.814	-11.6	114	0.00
56	T	Ethyl methacrylate	50.000	55.290	-10.6	111	0.00
57	T	1,3-Dichloropropane	50.000	55.164	-10.3	113	0.00
58	T	2-Chloroethyl Vinyl ether	250.000	250.975	-0.4	97	0.00
59	T	2-Hexanone	250.000	278.410	-11.4	112	0.00
60	T	Dibromochloromethane	50.000	56.883	-13.8	117	0.00
61	T	1,2-Dibromoethane	50.000	53.683	-7.4	112	0.00
62	S	4-Bromofluorobenzene	50.000	51.401	-2.8	101	0.00
63	I	Chlorobenzene-d5	50.000	50.000	0.0	94	0.00
64	T	Tetrachloroethene	50.000	56.252	-12.5	113	0.00
65	PM	Chlorobenzene	50.000	57.170	-14.3	115	0.00
66	T	1,1,1,2-Tetrachloroethane	50.000	58.734	-17.5	118	0.00
67	C	Ethyl Benzene	50.000	57.755	-15.5#	115	0.00
68	T	m/p-Xylenes	100.000	117.034	-17.0	116	0.00
69	T	o-Xylene	50.000	57.857	-15.7	115	0.00
70	T	Styrene	50.000	58.677	-17.4	115	0.00
71	P	Bromoform	50.000	56.521	-13.0	113	0.00
72	I	1,4-Dichlorobenzene-d4	50.000	50.000	0.0	88	0.00
73	T	Isopropylbenzene	50.000	60.138	-20.3	115	0.00
74	T	N-amyl acetate	50.000	55.050	-10.1	105	0.00
75	P	1,1,2,2-Tetrachloroethane	50.000	55.010	-10.0	108	0.00
76	T	1,2,3-Trichloropropane	50.000	56.621	-13.2	109	0.00
77	T	Bromobenzene	50.000	59.056	-18.1	113	0.00
78	T	n-propylbenzene	50.000	59.881	-19.8	114	0.00
79	T	2-Chlorotoluene	50.000	59.302	-18.6	114	0.00
80	T	1,3,5-Trimethylbenzene	50.000	59.826	-19.7	113	0.00
81	T	trans-1,4-Dichloro-2-butene	50.000	56.792	-13.6	110	0.00
82	T	4-Chlorotoluene	50.000	59.308	-18.6	113	0.00
83	T	tert-Butylbenzene	50.000	61.374	-22.7	114	0.00
84	T	1,2,4-Trimethylbenzene	50.000	59.992	-20.0	114	0.00
85	T	sec-Butylbenzene	50.000	59.671	-19.3	113	0.00
86	T	p-Isopropyltoluene	50.000	59.641	-19.3	112	0.00
87	T	1,3-Dichlorobenzene	50.000	58.123	-16.2	111	0.00
88	T	1,4-Dichlorobenzene	50.000	56.585	-13.2	109	0.00
89	T	n-Butylbenzene	50.000	58.678	-17.4	110	0.00
90	T	Hexachloroethane	50.000	57.897	-15.8	111	0.00
91	T	1,2-Dichlorobenzene	50.000	56.995	-14.0	109	0.00
92	T	1,2-Dibromo-3-Chloropropane	50.000	50.587	-1.2	103	0.00
93	T	1,2,4-Trichlorobenzene	50.000	50.797	-1.6	99	0.00
94	T	Hexachlorobutadiene	50.000	53.437	-6.9	101	0.00
95	T	Naphthalene	50.000	47.721	4.6	91	0.00

Sample Results: **VY020133.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY110424\
Data File : VY020133.D
Acq On : 04 Nov 2024 09:42
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_Y
LabSampleId :
VSTDCCC050

Quant Time: Nov 05 00:26:51 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y103024S.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 15:23:13 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
96 T	1,2,3-Trichlorobenzene	50.000	47.784	4.4	95	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 6

QC SAMPLE DATA

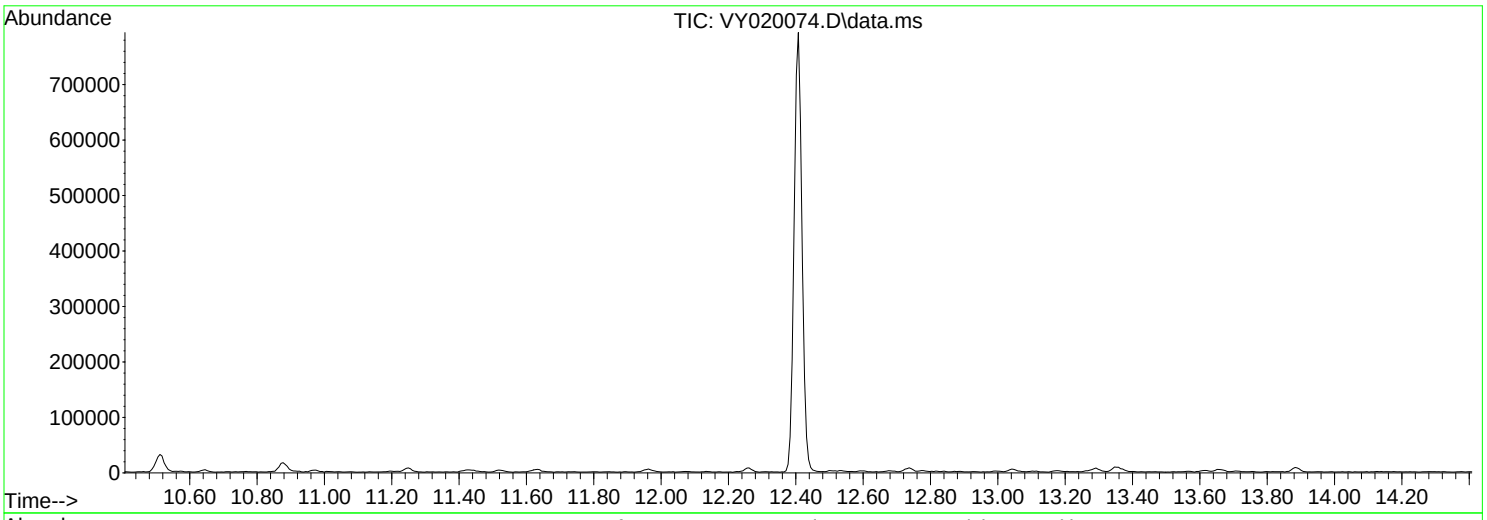
Sample Results: **VY020074.D**

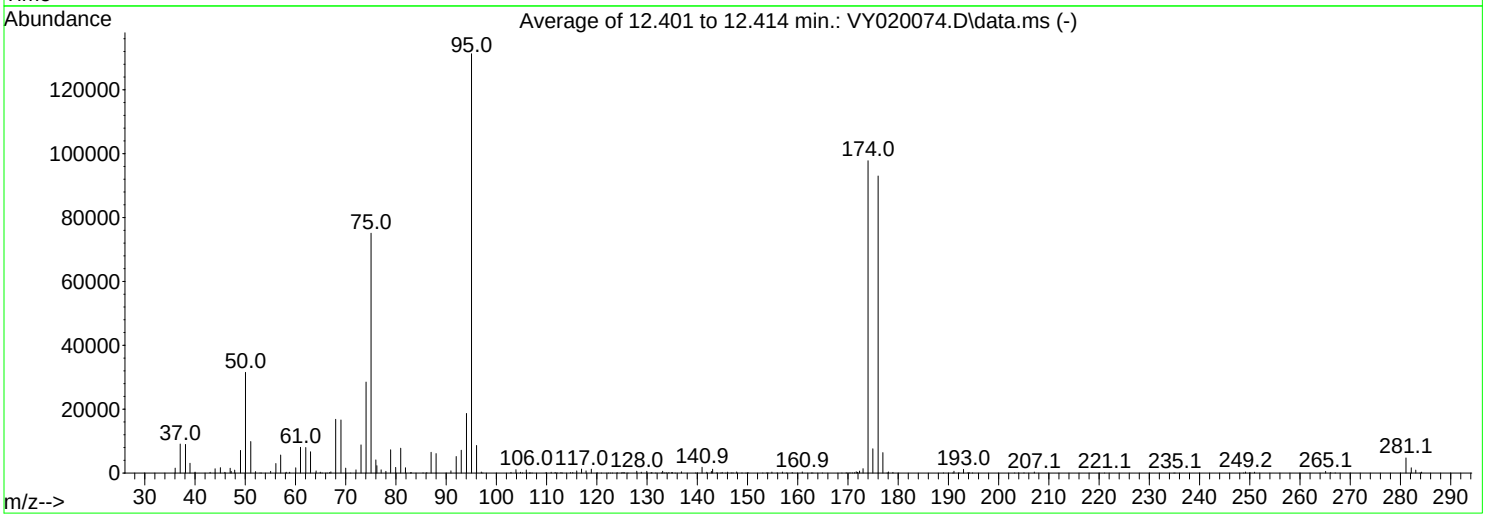
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY103024\
Data File : VY020074.D
Acq On : 30 Oct 2024 12:07
Operator : SY/MD
Sample : BFB
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
BFB

Integration File: RTEINT.P

Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y103024S.M
Title : SW846 8260
Last Update : Thu Oct 31 15:23:13 2024





AutoFind: Scans 1752, 1753, 1754; Background Corrected with Scan 1744

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	24.0	31536	PASS
75	95	30	60	57.2	75109	PASS
95	95	100	100	100.0	131296	PASS
96	95	5	9	6.6	8653	PASS
173	174	0.00	2	1.4	1390	PASS
174	95	50	100	74.5	97792	PASS
175	174	5	9	7.8	7615	PASS
176	174	95	101	95.1	93016	PASS
177	176	5	9	6.9	6402	PASS

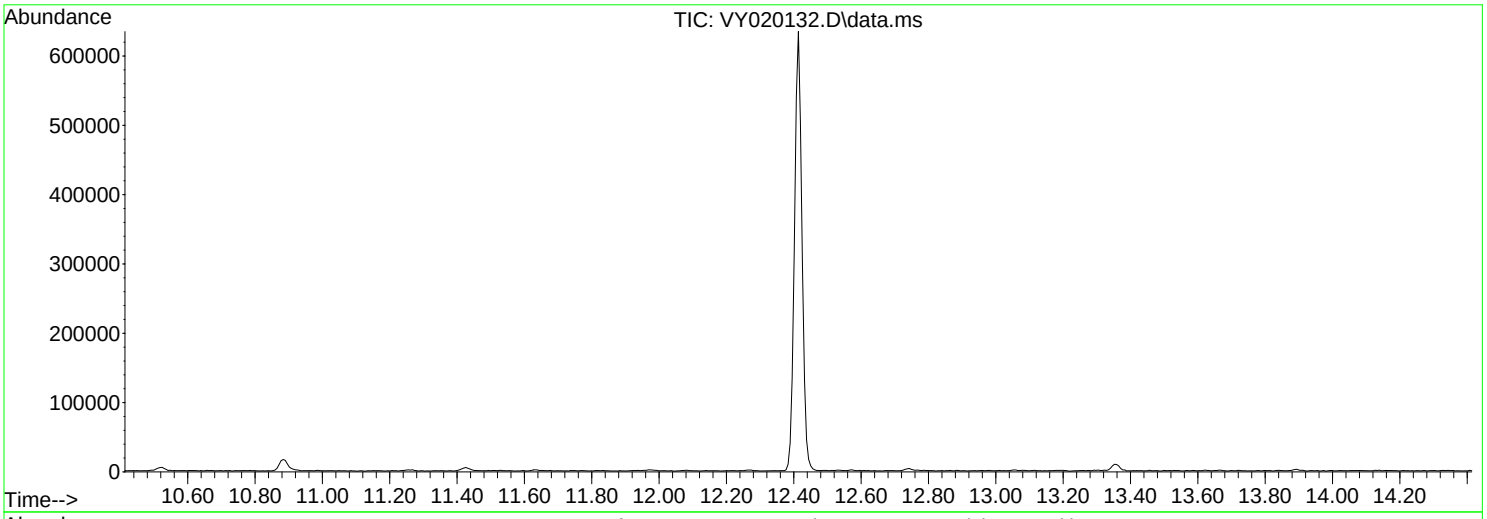
Sample Results: **VY020132.D**

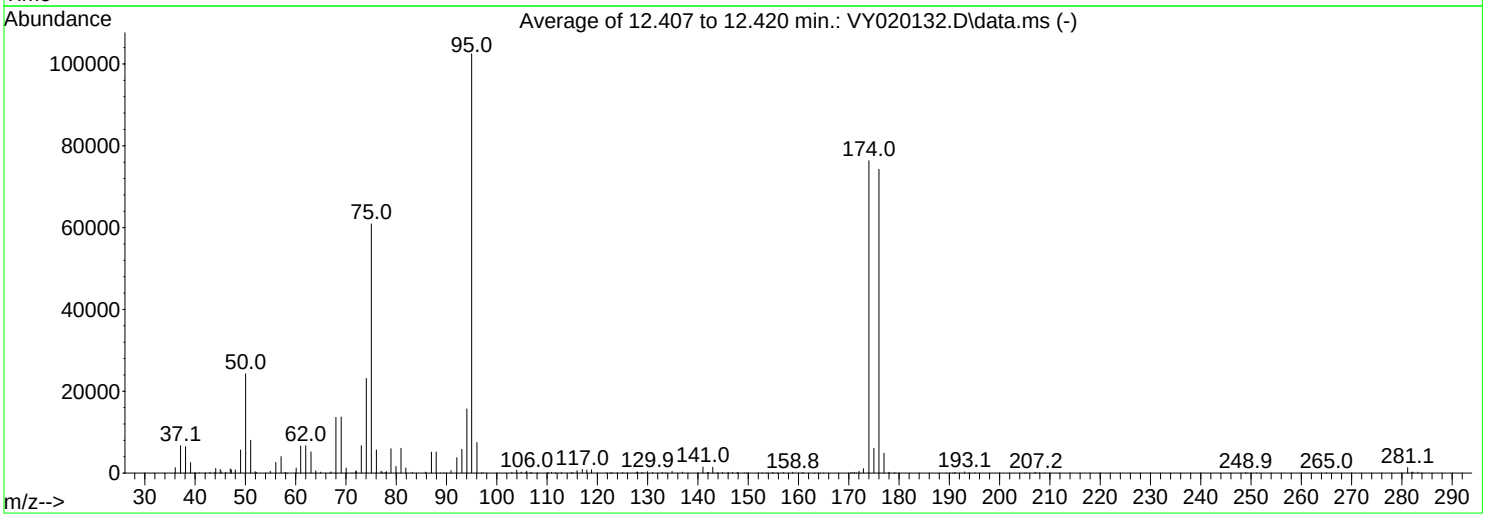
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY110424\
Data File : VY020132.D
Acq On : 04 Nov 2024 08:51
Operator : SY/MD
Sample : BFB
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
BFB

Integration File: RTEINT.P

Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y103024S.M
Title : SW846 8260
Last Update : Thu Oct 31 15:23:13 2024





AutoFind: Scans 1753, 1754, 1755; Background Corrected with Scan 1744

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	23.7	24264	PASS
75	95	30	60	59.4	60915	PASS
95	95	100	100	100.0	102507	PASS
96	95	5	9	7.3	7466	PASS
173	174	0.00	2	1.4	1070	PASS
174	95	50	100	74.5	76349	PASS
175	174	5	9	7.9	6044	PASS
176	174	95	101	97.3	74261	PASS
177	176	5	9	6.5	4839	PASS

Raw Data: **VY020134.D**

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	Kleinfelder	Date Collected:	
Project:	Harrington School	Date Received:	
Client Sample ID:	VY1104SBL01	SDG No.:	P4675
Lab Sample ID:	VY1104SBL01	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY020134.D	1		11/04/24 11:01	VY110424

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
156-59-2	cis-1,2-Dichloroethene	0.61	U	0.61	5.00	ug/Kg
71-55-6	1,1,1-Trichloroethane	0.78	U	0.78	5.00	ug/Kg
71-43-2	Benzene	0.72	U	0.72	5.00	ug/Kg
79-01-6	Trichloroethene	0.75	U	0.75	5.00	ug/Kg
108-88-3	Toluene	0.67	U	0.67	5.00	ug/Kg
100-41-4	Ethyl Benzene	0.62	U	0.62	5.00	ug/Kg
1330-20-7	Total Xylenes	2.10	U	2.10	15.0	ug/Kg
98-82-8	Isopropylbenzene	0.67	U	0.67	5.00	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	50.9		50 - 163	102%	SPK: 50
1868-53-7	Dibromofluoromethane	49.7		54 - 147	99%	SPK: 50
2037-26-5	Toluene-d8	48.6		58 - 134	97%	SPK: 50
460-00-4	4-Bromofluorobenzene	40.4		29 - 146	81%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	191000	7.713			
540-36-3	1,4-Difluorobenzene	396000	8.622			
3114-55-4	Chlorobenzene-d5	341000	11.42			
3855-82-1	1,4-Dichlorobenzene-d4	108000	13.353			

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY110424\
Data File : VY020134.D
Acq On : 04 Nov 2024 11:01
Operator : SY/MD
Sample : VY1104SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY1104SBL01

Quant Time: Nov 05 00:27:58 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y103024S.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 15:23:13 2024
Response via : Initial Calibration

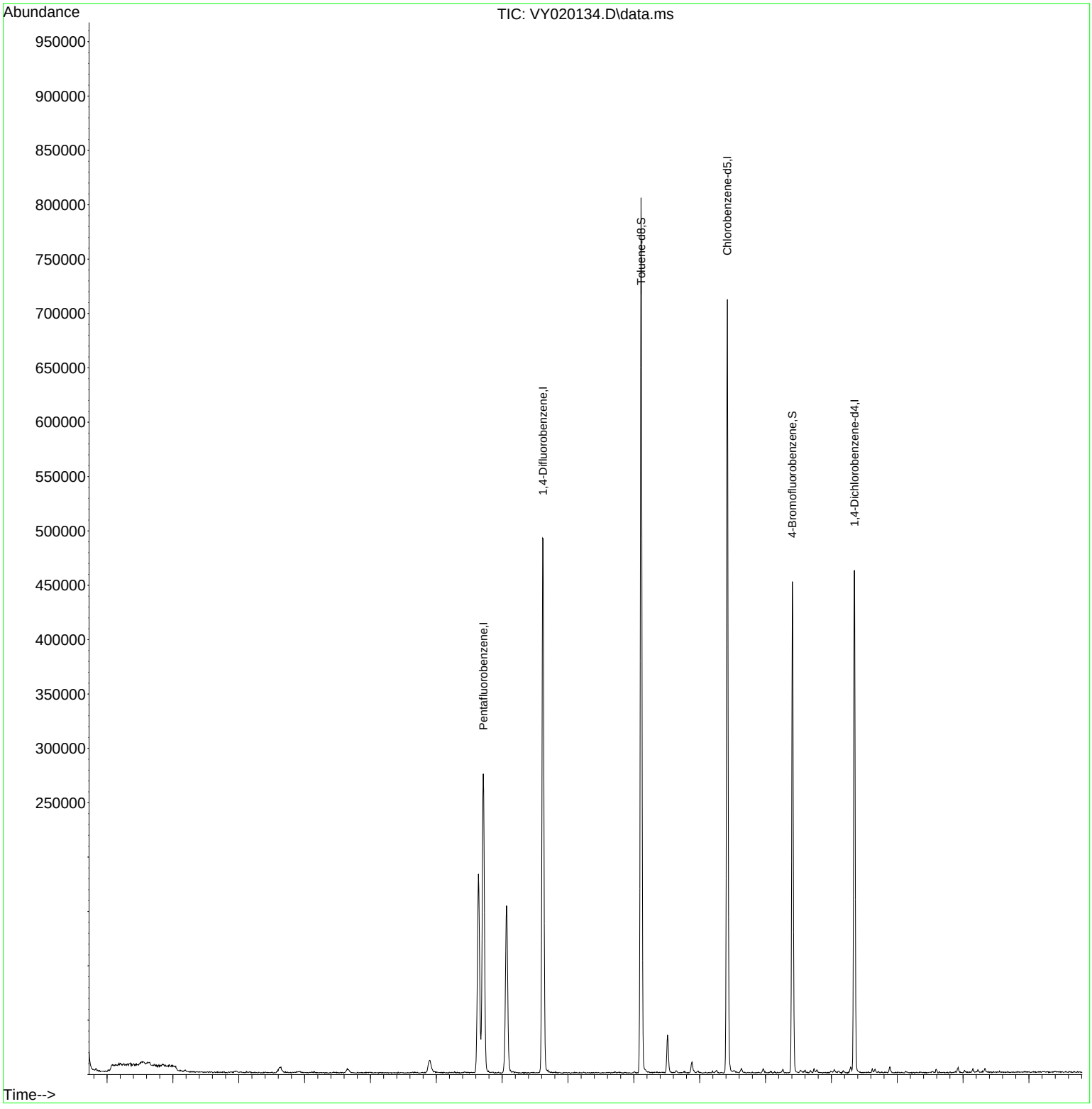
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.713	168	190734	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.622	114	396382	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	340703	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.353	152	108210	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	121142	50.890	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 101.780%			
35) Dibromofluoromethane	7.640	113	125321	49.727	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 99.460%			
50) Toluene-d8	10.109	98	487751	48.622	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 97.240%			
62) 4-Bromofluorobenzene	12.408	95	131798	40.449	ug/l	0.00
Spiked Amount 50.000	Range 29 - 146		Recovery = 80.900%			
Target Compounds						Qvalue

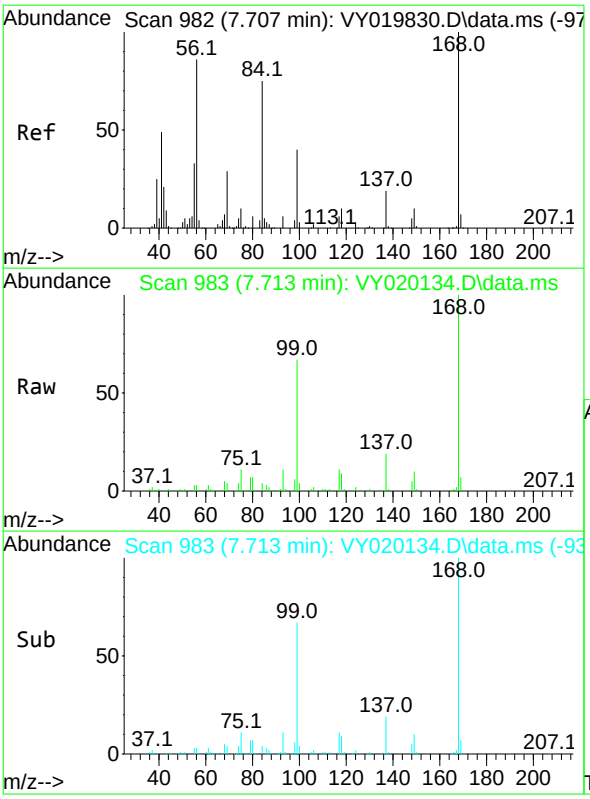
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY110424\
Data File : VY020134.D
Acq On : 04 Nov 2024 11:01
Operator : SY/MD
Sample : VY1104SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY1104SBL01

Quant Time: Nov 05 00:27:58 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y103024S.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 15:23:13 2024
Response via : Initial Calibration



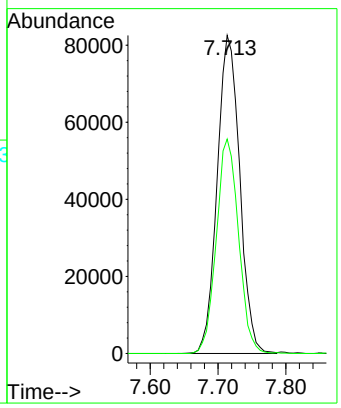


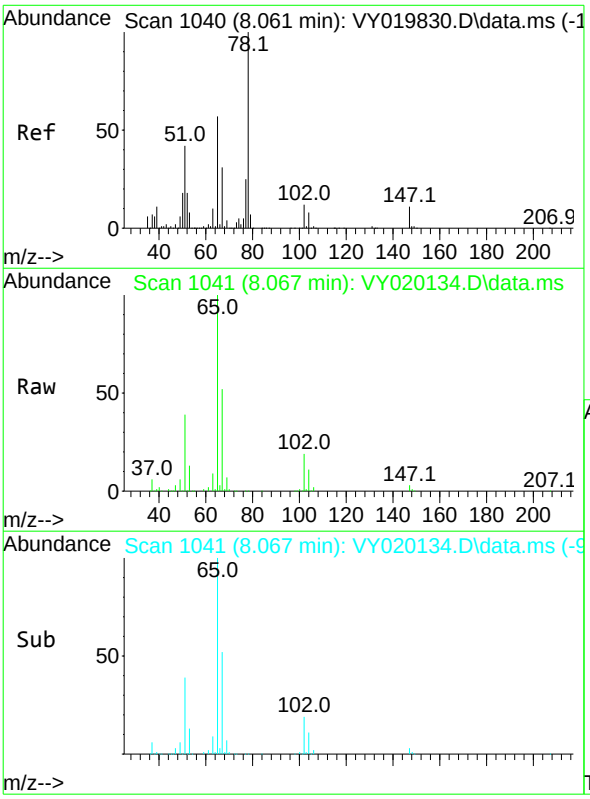
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 98
Delta R.T. 0.006 min
Lab File: VY020134.D
Acq: 04 Nov 2024 11:01

Instrument :
MSVOA_Y
ClientSampleId :
VY1104SBL01

Tgt Ion:168 Resp: 190734

Ion	Ratio	Lower	Upper
168	100		
99	67.4	39.1	58.7#

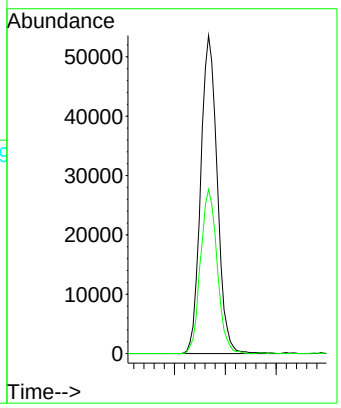


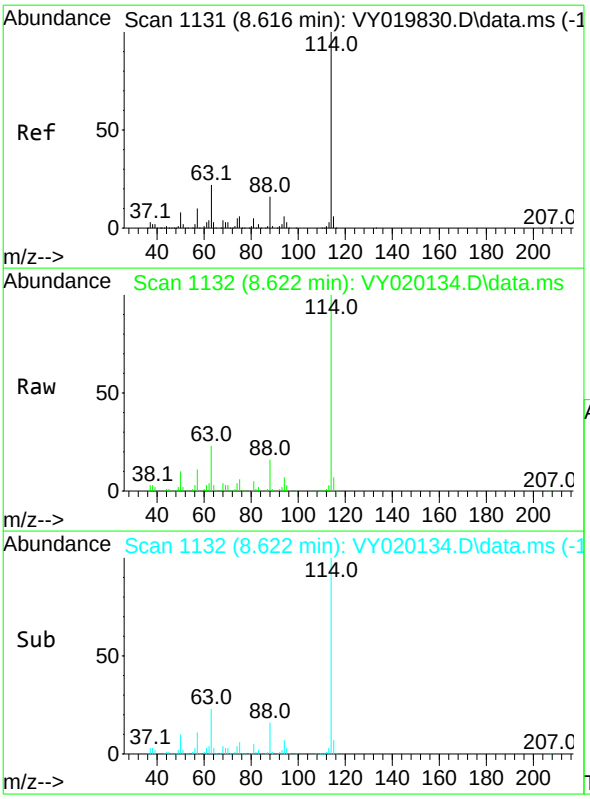


#33
1,2-Dichloroethane-d4
Concen: 50.890 ug/l
RT: 8.067 min Scan# 1041
Delta R.T. 0.007 min
Lab File: VY020134.D
Acq: 04 Nov 2024 11:01

Tgt Ion: 65 Resp: 121142

Ion	Ratio	Lower	Upper
65	100		
67	52.0	0.0	109.6



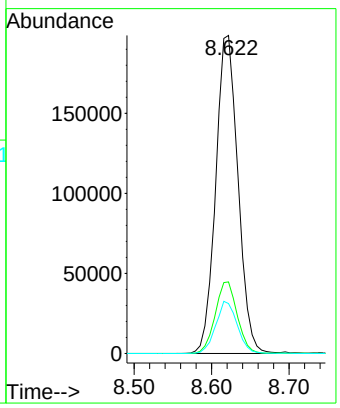


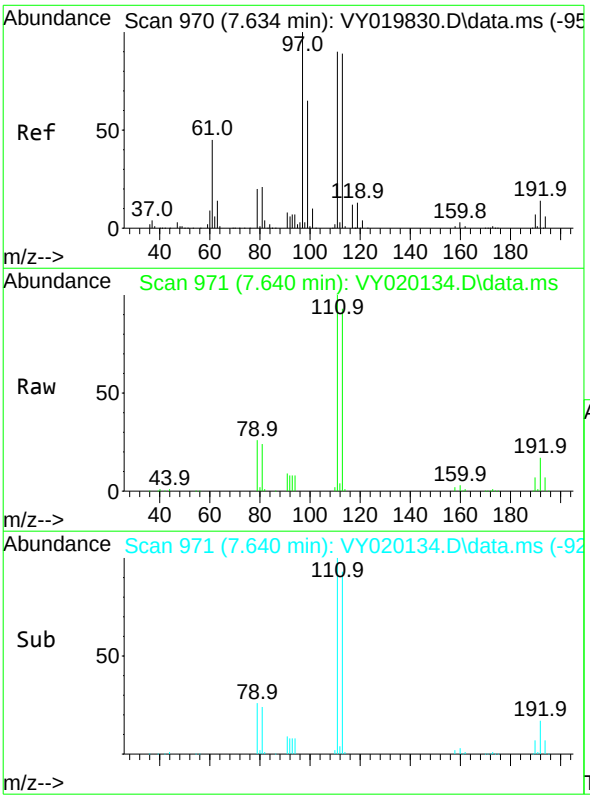
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.622 min Scan# 11
Delta R.T. 0.007 min
Lab File: VY020134.D
Acq: 04 Nov 2024 11:01

Instrument :
MSVOA_Y
ClientSampleId :
VY1104SBL01

Tgt Ion:114 Resp: 396382

Ion	Ratio	Lower	Upper
114	100		
63	22.5	0.0	35.0
88	15.7	0.0	27.2

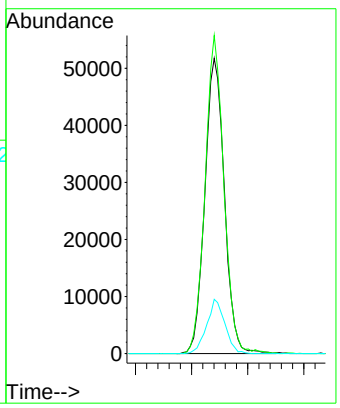


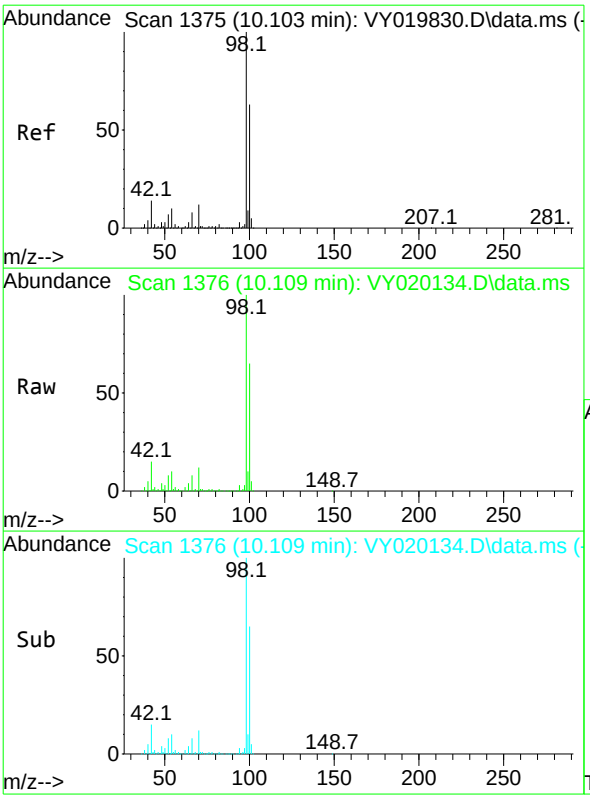


#35
Dibromofluoromethane
Concen: 49.727 ug/l
RT: 7.640 min Scan# 971
Delta R.T. 0.007 min
Lab File: VY020134.D
Acq: 04 Nov 2024 11:01

Tgt Ion:113 Resp: 125321

Ion	Ratio	Lower	Upper
113	100		
111	103.6	82.2	123.4
192	17.1	15.9	23.9



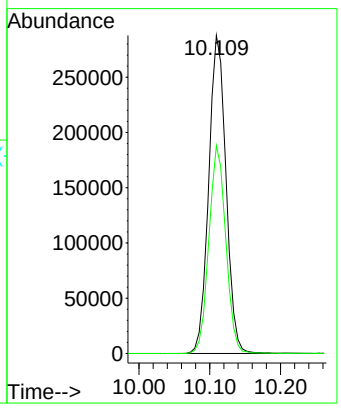


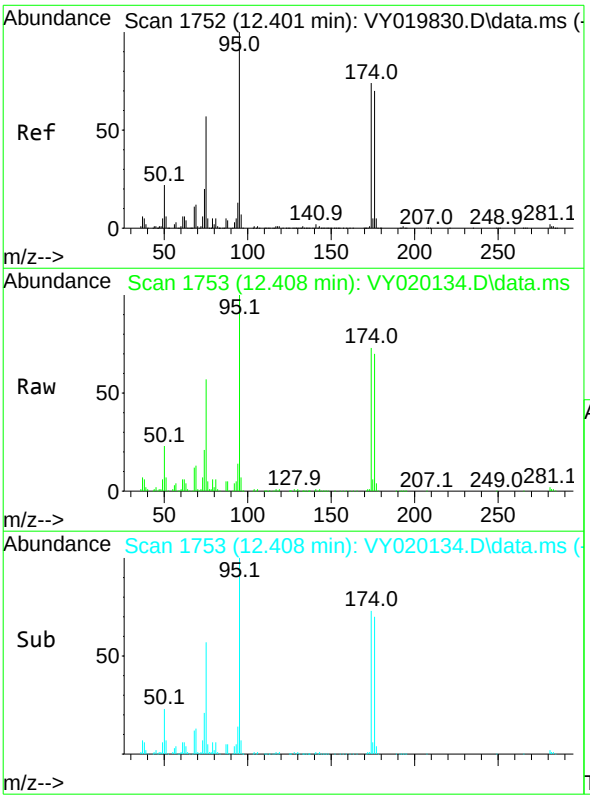
#50
Toluene-d8
Concen: 48.622 ug/l
RT: 10.109 min Scan# 13
Delta R.T. 0.000 min
Lab File: VY020134.D
Acq: 04 Nov 2024 11:01

Instrument :
MSVOA_Y
ClientSampleId :
VY1104SBL01

Tgt Ion: 98 Resp: 487751

Ion	Ratio	Lower	Upper
98	100		
100	64.0	52.0	78.0

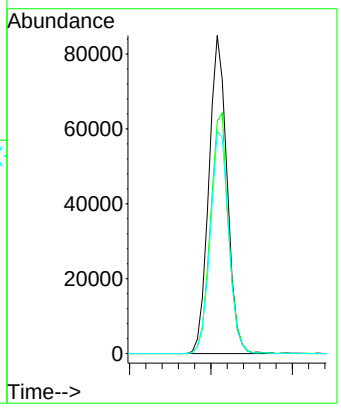


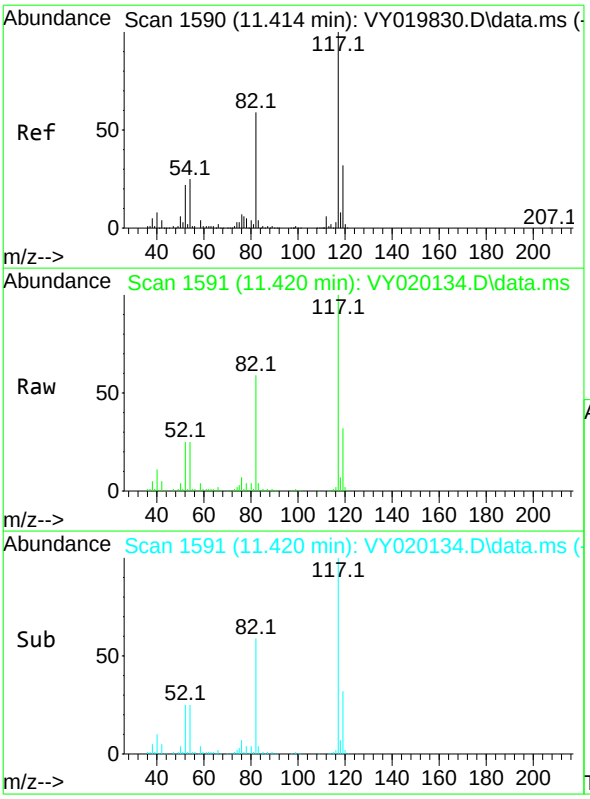


#62
4-Bromofluorobenzene
Concen: 40.449 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.000 min
Lab File: VY020134.D
Acq: 04 Nov 2024 11:01

Tgt Ion: 95 Resp: 131798

Ion	Ratio	Lower	Upper
95	100		
174	75.1	0.0	175.6
176	70.7	0.0	171.4



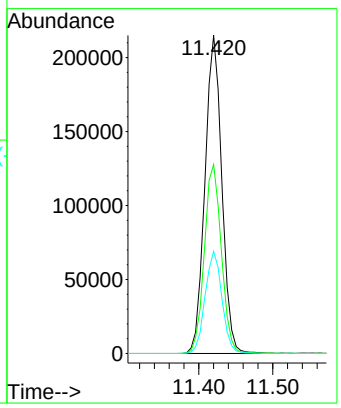


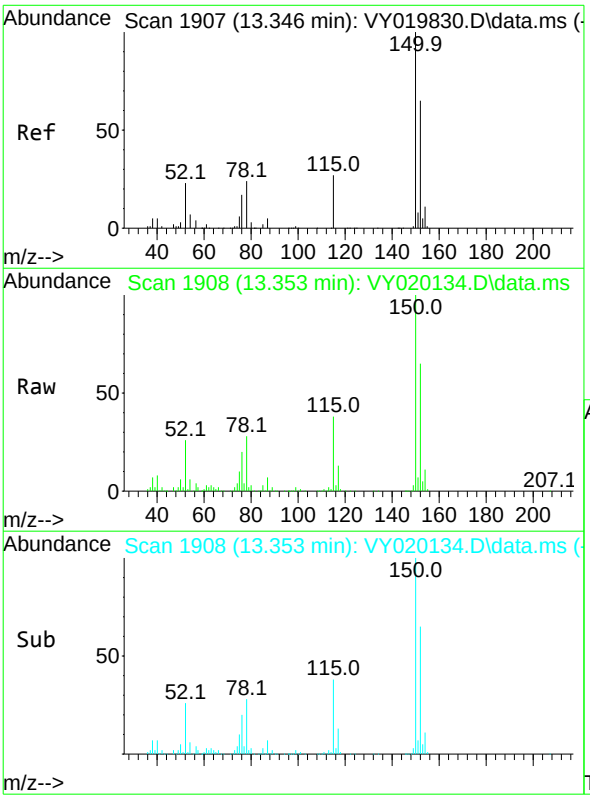
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 15
Delta R.T. 0.000 min
Lab File: VY020134.D
Acq: 04 Nov 2024 11:01

Instrument :
MSVOA_Y
ClientSampleId :
VY1104SBL01

Tgt Ion:117 Resp: 340703

Ion	Ratio	Lower	Upper
117	100		
82	59.4	42.4	63.6
119	32.1	25.9	38.9

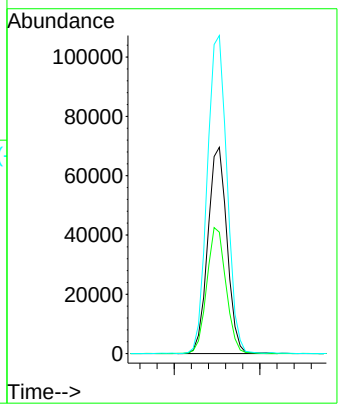




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.353 min Scan# 1908
Delta R.T. 0.007 min
Lab File: VY020134.D
Acq: 04 Nov 2024 11:01

Tgt Ion:152 Resp: 108210

Ion	Ratio	Lower	Upper
152	100		
115	61.1	28.2	84.7
150	158.5	0.0	345.6



Raw Data: **VY020135.D**

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	Kleinfelder	Date Collected:	
Project:	Harrington School	Date Received:	
Client Sample ID:	VY1104SBS01	SDG No.:	P4675
Lab Sample ID:	VY1104SBS01	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY020135.D	1		11/04/24 11:38	VY110424

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
156-59-2	cis-1,2-Dichloroethene	21.1		0.61	5.00	ug/Kg
71-55-6	1,1,1-Trichloroethane	21.2		0.78	5.00	ug/Kg
71-43-2	Benzene	20.7		0.72	5.00	ug/Kg
79-01-6	Trichloroethene	20.8		0.75	5.00	ug/Kg
108-88-3	Toluene	20.9		0.67	5.00	ug/Kg
100-41-4	Ethyl Benzene	20.7		0.62	5.00	ug/Kg
1330-20-7	Total Xylenes	62.1		2.10	15.0	ug/Kg
98-82-8	Isopropylbenzene	21.3		0.67	5.00	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	54.6		50 - 163	109%	SPK: 50
1868-53-7	Dibromofluoromethane	54.8		54 - 147	110%	SPK: 50
2037-26-5	Toluene-d8	54.6		58 - 134	109%	SPK: 50
460-00-4	4-Bromofluorobenzene	54.1		29 - 146	108%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	236000	7.713			
540-36-3	1,4-Difluorobenzene	425000	8.622			
3114-55-4	Chlorobenzene-d5	362000	11.42			
3855-82-1	1,4-Dichlorobenzene-d4	165000	13.347			

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

Sample Results: **VY020135.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY110424\
Data File : VY020135.D
Acq On : 04 Nov 2024 11:38
Operator : SY/MD
Sample : VY1104SBS01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Nov 05 00:28:23 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y103024S.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 15:23:13 2024
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VY1104SBS01

Manual Integrations APPROVED
Reviewed By :Semsettin Yesilyurt 11/05/2024
Supervised By :Mahesh Dadoda 11/05/2024

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.713	168	236479	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.622	114	424679	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	362446	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	165041	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	161147	54.600	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 109.200%			
35) Dibromofluoromethane	7.640	113	148005	54.815	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 109.620%			
50) Toluene-d8	10.109	98	586517	54.572	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 109.140%			
62) 4-Bromofluorobenzene	12.408	95	188732	54.063	ug/l	0.00
Spiked Amount 50.000	Range 29 - 146		Recovery = 108.120%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.867	85	44392	20.279	ug/l	97
3) Chloromethane	2.074	50	73322	20.221	ug/l	98
4) Vinyl Chloride	2.208	62	77370	19.876	ug/l	95
5) Bromomethane	2.598	94	51478	19.919	ug/l	96
6) Chloroethane	2.745	64	50947	20.280	ug/l	91
7) Trichlorofluoromethane	3.068	101	98347	20.682	ug/l	94
8) Diethyl Ether	3.458	74	28848	21.751	ug/l	81
9) 1,1,2-Trichlorotrifluo...	3.824	101	56299	21.108	ug/l	92
10) Methyl Iodide	4.013	142	51160	19.868	ug/l	92
11) Tert butyl alcohol	4.860	59	25514	120.181	ug/l #	88
12) 1,1-Dichloroethene	3.799	96	53233	20.860	ug/l	85
13) Acrolein	3.659	56	24566	92.956	ug/l	100
14) Allyl chloride	4.391	41	95994	20.850	ug/l #	89
15) Acrylonitrile	5.067	53	61451	101.787	ug/l	98
16) Acetone	3.873	43	70424	102.604	ug/l #	78
17) Carbon Disulfide	4.116	76	174833	20.587	ug/l	99
18) Methyl Acetate	4.397	43	31235	19.396	ug/l #	88
19) Methyl tert-butyl Ether	5.122	73	131394	20.466	ug/l	96
20) Methylene Chloride	4.629	84	57620	18.688	ug/l #	81
21) trans-1,2-Dichloroethene	5.122	96	60234	20.929	ug/l	84
22) Diisopropyl ether	6.025	45	202010	21.143	ug/l #	89
23) Vinyl Acetate	5.970	43	545371	101.428	ug/l #	90
24) 1,1-Dichloroethane	5.921	63	117288	21.200	ug/l	97
25) 2-Butanone	6.896	43	90343	97.102	ug/l #	83
26) 2,2-Dichloropropane	6.890	77	97867	21.261	ug/l	95
27) cis-1,2-Dichloroethene	6.896	96	69936	21.139	ug/l	83
28) Bromochloromethane	7.250	49	49648	19.165	ug/l #	71
29) Tetrahydrofuran	7.268	42	53282	99.234	ug/l #	82
30) Chloroform	7.427	83	114703	20.893	ug/l	98
31) Cyclohexane	7.707	56	109312	20.409	ug/l	88
32) 1,1,1-Trichloroethane	7.622	97	101664	21.211	ug/l #	94
36) 1,1-Dichloropropene	7.841	75	87079	20.877	ug/l	93
37) Ethyl Acetate	6.994	43	38371	19.295	ug/l	95
38) Carbon Tetrachloride	7.823	117	87078	20.761	ug/l	99
39) Methylcyclohexane	9.116	83	107524	20.311	ug/l	91
40) Benzene	8.085	78	252306	20.724	ug/l	99

Sample Results: **VY020135.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY110424\
Data File : VY020135.D
Acq On : 04 Nov 2024 11:38
Operator : SY/MD
Sample : VY1104SBS01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Nov 05 00:28:23 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y103024S.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 15:23:13 2024
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VY1104SBS01

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 11/05/2024
Supervised By :Mahesh Dadoda 11/05/2024

Compound	R.T.	QIon	Response	Conc Units		Dev(Min)
41) Methacrylonitrile	7.220	41	19383m	19.458 ug/l		
42) 1,2-Dichloroethane	8.165	62	68677	20.379 ug/l		94
43) Isopropyl Acetate	8.201	43	75840	19.832 ug/l	#	77
44) Trichloroethene	8.872	130	58749	20.821 ug/l		84
45) 1,2-Dichloropropane	9.146	63	60647	20.821 ug/l		94
46) Dibromomethane	9.237	93	31422	19.909 ug/l		89
47) Bromodichloromethane	9.426	83	86606	20.946 ug/l		98
48) Methyl methacrylate	9.225	41	34567	19.515 ug/l	#	82
49) 1,4-Dioxane	9.244	88	6566	404.083 ug/l	#	80
51) 4-Methyl-2-Pentanone	10.000	43	192895	97.896 ug/l		89
52) Toluene	10.176	92	156716	20.882 ug/l		98
53) t-1,3-Dichloropropene	10.396	75	73163	20.039 ug/l		96
54) cis-1,3-Dichloropropene	9.859	75	89110	20.448 ug/l	#	83
55) 1,1,2-Trichloroethane	10.573	97	40715	20.748 ug/l		98
56) Ethyl methacrylate	10.445	69	54864	19.491 ug/l	#	73
57) 1,3-Dichloropropane	10.719	76	72805	20.259 ug/l		99
58) 2-Chloroethyl Vinyl ether	9.713	63	127181	91.614 ug/l		92
59) 2-Hexanone	10.762	43	136265	96.462 ug/l		85
60) Dibromochloromethane	10.914	129	51296	20.507 ug/l		97
61) 1,2-Dibromoethane	11.018	107	37301	20.460 ug/l		99
64) Tetrachloroethene	10.646	164	48801	20.392 ug/l		90
65) Chlorobenzene	11.444	112	160253	20.750 ug/l		95
66) 1,1,1,2-Tetrachloroethane	11.518	131	52198	21.155 ug/l		98
67) Ethyl Benzene	11.524	91	299190	20.725 ug/l		98
68) m/p-Xylenes	11.633	106	218233	41.318 ug/l		92
69) o-Xylene	11.957	106	104040	20.805 ug/l		94
70) Styrene	11.969	104	170371	20.606 ug/l		95
71) Bromoform	12.133	173	25561	20.193 ug/l	#	96
73) Isopropylbenzene	12.255	105	280340	21.263 ug/l		97
74) N-amyl acetate	12.072	43	62911	19.089 ug/l	#	88
75) 1,1,2,2-Tetrachloroethane	12.505	83	46794	20.294 ug/l		99
76) 1,2,3-Trichloropropane	12.560	75	29354m	18.974 ug/l		
77) Bromobenzene	12.536	156	56439	21.167 ug/l		86
78) n-propylbenzene	12.597	91	345845	21.077 ug/l		96
79) 2-Chlorotoluene	12.682	91	191730	21.050 ug/l		94
80) 1,3,5-Trimethylbenzene	12.737	105	221895	20.964 ug/l		97
81) trans-1,4-Dichloro-2-b...	12.304	75	14182	19.718 ug/l	#	83
82) 4-Chlorotoluene	12.780	91	191523	20.623 ug/l		95
83) tert-Butylbenzene	12.999	119	192783	20.829 ug/l		94
84) 1,2,4-Trimethylbenzene	13.048	105	220656	21.047 ug/l		97
85) sec-Butylbenzene	13.176	105	297548	20.941 ug/l		97
86) p-Isopropyltoluene	13.292	119	236535	20.745 ug/l		96
87) 1,3-Dichlorobenzene	13.292	146	112511	20.771 ug/l		97
88) 1,4-Dichlorobenzene	13.371	146	112059	20.774 ug/l		97
89) n-Butylbenzene	13.621	91	233341	20.415 ug/l		97
90) Hexachloroethane	13.883	117	45781	20.302 ug/l		86
91) 1,2-Dichlorobenzene	13.664	146	98403	20.900 ug/l		98
92) 1,2-Dibromo-3-Chloropr...	14.279	75	6329	18.099 ug/l		76
93) 1,2,4-Trichlorobenzene	14.919	180	46442	18.362 ug/l		97
94) Hexachlorobutadiene	15.029	225	27263	19.712 ug/l		98
95) Naphthalene	15.145	128	82915	17.537 ug/l		99
96) 1,2,3-Trichlorobenzene	15.334	180	38986	18.158 ug/l		97

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY110424\
Data File : VY020135.D
Acq On : 04 Nov 2024 11:38
Operator : SY/MD
Sample : VY1104SBS01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Nov 05 00:28:23 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y103024S.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 15:23:13 2024
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VY1104SBS01

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 11/05/2024
Supervised By :Mahesh Dadoda 11/05/2024

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

(#) = qualifier out of range (m) = manual integration (+) = signals summed

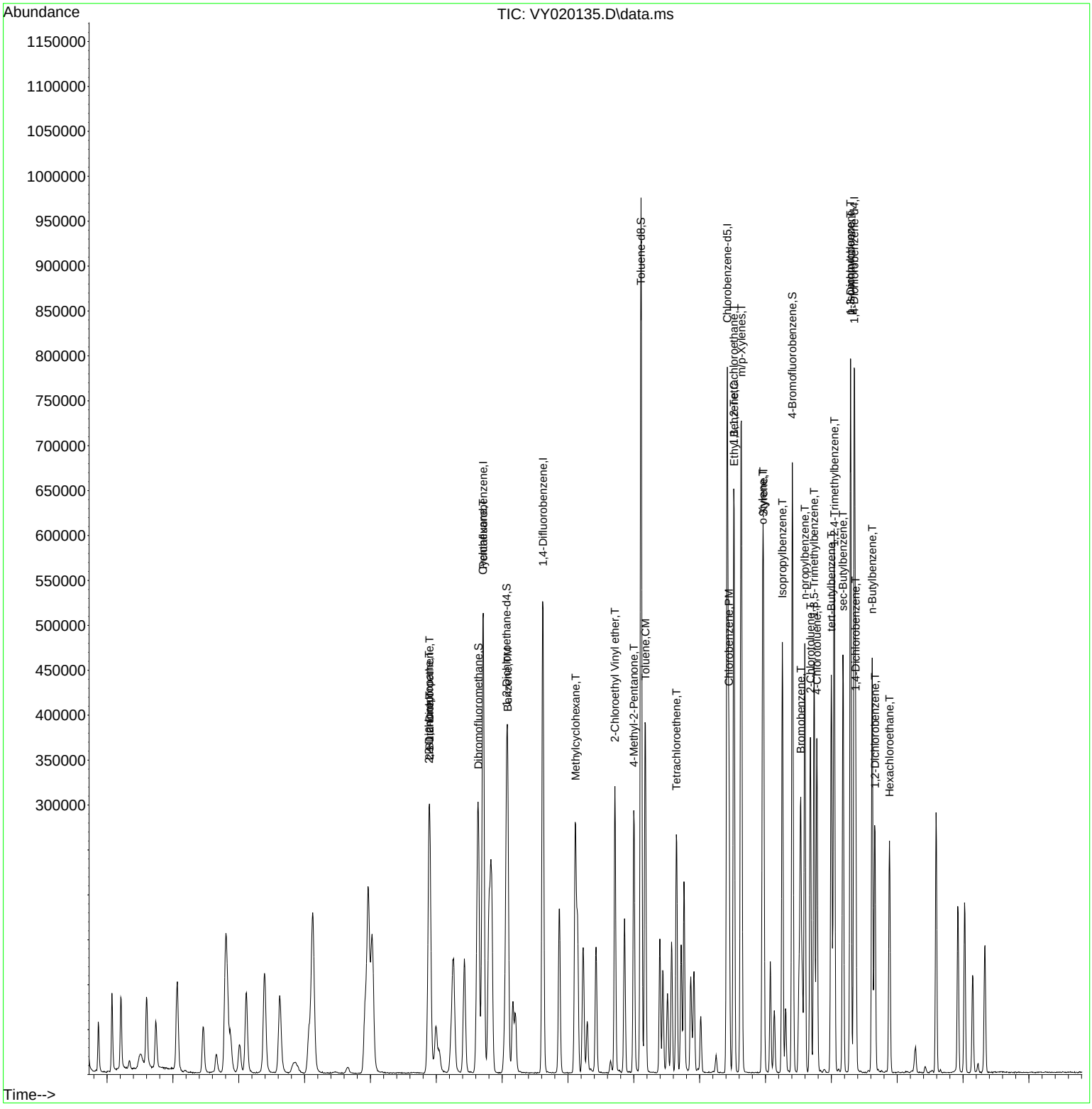
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY110424\
Data File : VY020135.D
Acq On : 04 Nov 2024 11:38
Operator : SY/MD
Sample : VY1104SBS01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Nov 05 00:28:23 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y103024S.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 15:23:13 2024
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VY1104SBS01

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 11/05/2024
Supervised By :Mahesh Dadoda 11/05/2024



Raw Data: **VY020136.D**

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	Kleinfelder	Date Collected:	
Project:	Harrington School	Date Received:	
Client Sample ID:	VY1104SBSD01	SDG No.:	P4675
Lab Sample ID:	VY1104SBSD01	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY020136.D	1		11/04/24 12:13	VY110424

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
156-59-2	cis-1,2-Dichloroethene	23.8		0.61	5.00	ug/Kg
71-55-6	1,1,1-Trichloroethane	24.0		0.78	5.00	ug/Kg
71-43-2	Benzene	23.4		0.72	5.00	ug/Kg
79-01-6	Trichloroethene	23.4		0.75	5.00	ug/Kg
108-88-3	Toluene	23.1		0.67	5.00	ug/Kg
100-41-4	Ethyl Benzene	23.4		0.62	5.00	ug/Kg
1330-20-7	Total Xylenes	70.0		2.10	15.0	ug/Kg
98-82-8	Isopropylbenzene	24.0		0.67	5.00	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	57.4		50 - 163	115%	SPK: 50
1868-53-7	Dibromofluoromethane	56.8		54 - 147	114%	SPK: 50
2037-26-5	Toluene-d8	56.6		58 - 134	113%	SPK: 50
460-00-4	4-Bromofluorobenzene	54.9		29 - 146	110%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	225000	7.713			
540-36-3	1,4-Difluorobenzene	408000	8.622			
3114-55-4	Chlorobenzene-d5	349000	11.42			
3855-82-1	1,4-Dichlorobenzene-d4	156000	13.352			

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

Sample Results: **VY020136.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY110424\
Data File : VY020136.D
Acq On : 04 Nov 2024 12:13
Operator : SY/MD
Sample : VY1104SBSD01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Nov 05 00:29:28 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y103024S.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 15:23:13 2024
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VY1104SBSD01

Manual Integrations APPROVED
Reviewed By :Semsettin Yesilyurt 11/05/2024
Supervised By :Mahesh Dadoda 11/05/2024

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Pentafluorobenzene	7.713	168	224747	50.000	ug/l	#	0.00
34) 1,4-Difluorobenzene	8.622	114	407852	50.000	ug/l		0.00
63) Chlorobenzene-d5	11.420	117	348566	50.000	ug/l		0.00
72) 1,4-Dichlorobenzene-d4	13.352	152	155977	50.000	ug/l		0.00
System Monitoring Compounds							
33) 1,2-Dichloroethane-d4	8.067	65	160962	57.384	ug/l		0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 114.760%				
35) Dibromofluoromethane	7.640	113	147295	56.803	ug/l		0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 113.600%				
50) Toluene-d8	10.109	98	583853	56.565	ug/l		0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 113.120%				
62) 4-Bromofluorobenzene	12.407	95	184164	54.931	ug/l		0.00
Spiked Amount 50.000	Range 29 - 146		Recovery = 109.860%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.867	85	47080	22.630	ug/l		100
3) Chloromethane	2.074	50	80409	23.334	ug/l		97
4) Vinyl Chloride	2.208	62	85594	23.137	ug/l		98
5) Bromomethane	2.598	94	57295	23.327	ug/l		97
6) Chloroethane	2.738	64	55173	23.109	ug/l		98
7) Trichlorofluoromethane	3.062	101	107320	23.747	ug/l		100
8) Diethyl Ether	3.458	74	28573	22.668	ug/l		72
9) 1,1,2-Trichlorotrifluo...	3.824	101	59616	23.519	ug/l		90
10) Methyl Iodide	4.013	142	58112	23.745	ug/l	#	88
11) Tert butyl alcohol	4.848	59	29819	147.791	ug/l	#	91
12) 1,1-Dichloroethene	3.799	96	56373	23.244	ug/l	#	77
13) Acrolein	3.659	56	25242	100.500	ug/l		98
14) Allyl chloride	4.391	41	103564	23.668	ug/l	#	90
15) Acrylonitrile	5.061	53	67483	117.613	ug/l		98
16) Acetone	3.872	43	80287	123.080	ug/l	#	81
17) Carbon Disulfide	4.110	76	185616	22.998	ug/l		100
18) Methyl Acetate	4.391	43	36025	23.538	ug/l	#	86
19) Methyl tert-butyl Ether	5.122	73	144306	23.651	ug/l		93
20) Methylene Chloride	4.628	84	65389	22.315	ug/l	#	87
21) trans-1,2-Dichloroethene	5.122	96	65091	23.797	ug/l		88
22) Diisopropyl ether	6.024	45	219597	24.184	ug/l	#	86
23) Vinyl Acetate	5.970	43	596186	116.666	ug/l	#	91
24) 1,1-Dichloroethane	5.927	63	125546	23.878	ug/l		97
25) 2-Butanone	6.902	43	102341	115.739	ug/l	#	83
26) 2,2-Dichloropropane	6.890	77	107083	24.478	ug/l		93
27) cis-1,2-Dichloroethene	6.896	96	74981	23.847	ug/l		82
28) Bromochloromethane	7.256	49	50403	20.472	ug/l	#	72
29) Tetrahydrofuran	7.268	42	60037	117.651	ug/l	#	81
30) Chloroform	7.427	83	123119	23.597	ug/l		95
31) Cyclohexane	7.707	56	114703	22.534	ug/l		92
32) 1,1,1-Trichloroethane	7.622	97	109349	24.005	ug/l		95
36) 1,1-Dichloropropene	7.841	75	92767	23.158	ug/l		93
37) Ethyl Acetate	6.988	43	43348	22.698	ug/l	#	92
38) Carbon Tetrachloride	7.823	117	92617	22.993	ug/l		99
39) Methylcyclohexane	9.109	83	113872	22.398	ug/l		87
40) Benzene	8.085	78	273572	23.398	ug/l		99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY110424\
Data File : VY020136.D
Acq On : 04 Nov 2024 12:13
Operator : SY/MD
Sample : VY1104SBSD01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Nov 05 00:29:28 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y103024S.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 15:23:13 2024
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VY1104SBSD01

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 11/05/2024
Supervised By :Mahesh Dadoda 11/05/2024

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
41) Methacrylonitrile	7.225	41	25940	27.114 ug/l #	79
42) 1,2-Dichloroethane	8.164	62	73414	22.684 ug/l	94
43) Isopropyl Acetate	8.201	43	83175	22.648 ug/l #	76
44) Trichloroethene	8.871	130	63324	23.368 ug/l	89
45) 1,2-Dichloropropane	9.146	63	65043	23.251 ug/l	98
46) Dibromomethane	9.237	93	34629	22.846 ug/l	89
47) Bromodichloromethane	9.426	83	91882	23.139 ug/l #	99
48) Methyl methacrylate	9.225	41	38180	22.444 ug/l #	81
49) 1,4-Dioxane	9.231	88	7154	458.434 ug/l #	82
51) 4-Methyl-2-Pentanone	9.999	43	213296	112.716 ug/l	89
52) Toluene	10.176	92	166656	23.123 ug/l	99
53) t-1,3-Dichloropropene	10.396	75	79457	22.660 ug/l	100
54) cis-1,3-Dichloropropene	9.859	75	96220	22.990 ug/l #	84
55) 1,1,2-Trichloroethane	10.572	97	43589	23.129 ug/l	92
56) Ethyl methacrylate	10.438	69	59189	21.895 ug/l #	73
57) 1,3-Dichloropropane	10.719	76	79464	23.025 ug/l	98
58) 2-Chloroethyl Vinyl ether	9.713	63	127357	95.526 ug/l	93
59) 2-Hexanone	10.761	43	151208	111.456 ug/l	85
60) Dibromochloromethane	10.914	129	54830	22.824 ug/l	99
61) 1,2-Dibromoethane	11.017	107	40116	22.911 ug/l	99
64) Tetrachloroethene	10.646	164	55806	24.248 ug/l	94
65) Chlorobenzene	11.444	112	172585	23.237 ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.517	131	55521	23.398 ug/l	99
67) Ethyl Benzene	11.523	91	324745	23.391 ug/l	96
68) m/p-Xylenes	11.627	106	238240	46.902 ug/l	92
69) o-Xylene	11.956	106	111294	23.142 ug/l	91
70) Styrene	11.969	104	185131	23.282 ug/l	95
71) Bromoform	12.133	173	28457	23.376 ug/l #	98
73) Isopropylbenzene	12.255	105	299267	24.018 ug/l	97
74) N-amyl acetate	12.072	43	69994	22.472 ug/l #	87
75) 1,1,2,2-Tetrachloroethane	12.505	83	51821	23.780 ug/l	97
76) 1,2,3-Trichloropropane	12.560	75	31235m	21.363 ug/l	
77) Bromobenzene	12.535	156	59841	23.747 ug/l	83
78) n-propylbenzene	12.596	91	371868	23.980 ug/l	96
79) 2-Chlorotoluene	12.682	91	202161	23.485 ug/l	95
80) 1,3,5-Trimethylbenzene	12.737	105	234896	23.482 ug/l	98
81) trans-1,4-Dichloro-2-b...	12.304	75	16239	23.890 ug/l #	85
82) 4-Chlorotoluene	12.779	91	205303	23.392 ug/l	96
83) tert-Butylbenzene	12.999	119	209287	23.926 ug/l	95
84) 1,2,4-Trimethylbenzene	13.041	105	233670	23.584 ug/l	96
85) sec-Butylbenzene	13.176	105	318182	23.694 ug/l	97
86) p-Isopropyltoluene	13.291	119	250009	23.201 ug/l	95
87) 1,3-Dichlorobenzene	13.291	146	119364	23.317 ug/l	96
88) 1,4-Dichlorobenzene	13.371	146	117779	23.103 ug/l	96
89) n-Butylbenzene	13.621	91	249639	23.110 ug/l	97
90) Hexachloroethane	13.883	117	49433	23.196 ug/l	84
91) 1,2-Dichlorobenzene	13.657	146	104631	23.514 ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.279	75	7240	21.907 ug/l	73
93) 1,2,4-Trichlorobenzene	14.925	180	50631	21.181 ug/l	96
94) Hexachlorobutadiene	15.029	225	27638	21.144 ug/l	94
95) Naphthalene	15.145	128	88584	19.825 ug/l	98
96) 1,2,3-Trichlorobenzene	15.334	180	41809	20.605 ug/l	96

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY110424\
Data File : VY020136.D
Acq On : 04 Nov 2024 12:13
Operator : SY/MD
Sample : VY1104SBSD01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Nov 05 00:29:28 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y103024S.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 15:23:13 2024
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VY1104SBSD01

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 11/05/2024
Supervised By :Mahesh Dadoda 11/05/2024

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

(#) = qualifier out of range (m) = manual integration (+) = signals summed

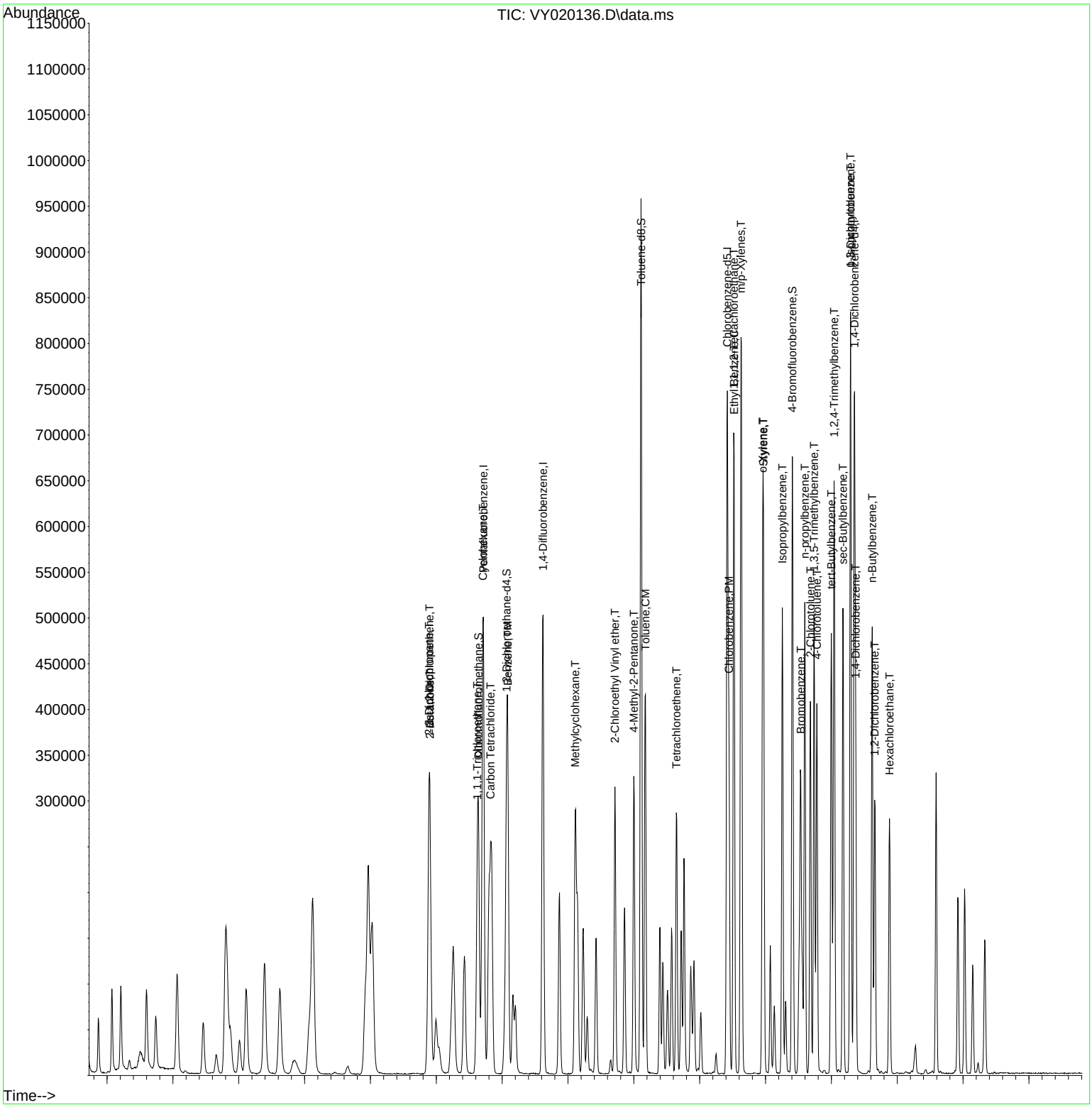
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY110424\
Data File : VY020136.D
Acq On : 04 Nov 2024 12:13
Operator : SY/MD
Sample : VY1104SBSD01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Nov 05 00:29:28 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y103024S.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 15:23:13 2024
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VY1104SBSD01

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 11/05/2024
Supervised By :Mahesh Dadoda 11/05/2024



284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900, Fax : 908 789 8922

Manual Integration Report

Sequence:	VY103024	Instrument	MSVOA_y

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDICC005	VY020075.D	1,2,3-Trichloropropane	Romaben	11/1/2024 11:41:29 AM	MMDadoda	11/1/2024 5:33:21 PM	Peak Integrated by Software
VSTDICC005	VY020075.D	Ethyl Acetate	Romaben	11/1/2024 11:41:29 AM	MMDadoda	11/1/2024 5:33:21 PM	Peak Integrated by Software
VSTDICC010	VY020076.D	1,2,3-Trichloropropane	Romaben	11/1/2024 11:41:32 AM	MMDadoda	11/1/2024 5:33:22 PM	Peak Integrated by Software
VSTDICC020	VY020077.D	1,2,3-Trichloropropane	Romaben	11/1/2024 11:42:16 AM	MMDadoda	11/1/2024 5:33:23 PM	Peak Integrated by Software
VSTDICCC050	VY020078.D	1,2,3-Trichloropropane	Romaben	11/1/2024 11:42:03 AM	MMDadoda	11/1/2024 5:33:25 PM	Peak Integrated by Software
VSTDICCC050	VY020078.D	Methacrylonitrile	Romaben	11/1/2024 11:42:03 AM	MMDadoda	11/1/2024 5:33:25 PM	Peak Integrated by Software
VSTDICC100	VY020079.D	1,2,3-Trichloropropane	Romaben	11/1/2024 11:42:20 AM	MMDadoda	11/1/2024 5:33:26 PM	Peak Integrated by Software
VSTDICC150	VY020080.D	1,2,3-Trichloropropane	Romaben	11/1/2024 11:42:07 AM	MMDadoda	11/1/2024 5:33:28 PM	Peak Integrated by Software
VSTDICV050	VY020082.D	1,2,3-Trichloropropane	Romaben	11/1/2024 11:42:10 AM	MMDadoda	11/1/2024 5:33:29 PM	Peak Integrated by Software

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900, Fax : 908 789 8922

Manual Integration Report

Sequence:	VY110424	Instrument	MSVOA_y

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDCCC050	VY020133.D	1,2,3-Trichloropropane	SAM	11/5/2024 11:26:34 AM	MMDadoda	11/5/2024 12:50:00 PM	Peak Integrated by Software
VY1104SBS01	VY020135.D	1,2,3-Trichloropropane	SAM	11/5/2024 11:26:34 AM	MMDadoda	11/5/2024 12:50:01 PM	Peak Integrated by Software
VY1104SBS01	VY020135.D	Methacrylonitrile	SAM	11/5/2024 11:26:34 AM	MMDadoda	11/5/2024 12:50:01 PM	Peak Integrated by Software
VY1104SBSD01	VY020136.D	1,2,3-Trichloropropane	SAM	11/5/2024 11:26:35 AM	MMDadoda	11/5/2024 12:50:02 PM	Peak Integrated by Software
VSTDCCC050	VY020154.D	1,2,3-Trichloropropane	SAM	11/5/2024 11:26:38 AM	MMDadoda	11/5/2024 12:50:05 PM	Peak Integrated by Software

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Fax : 908 789 8922

Instrument ID: MSVOA_Y

Daily Analysis Runlog For Sequence/QCBatch ID # VY103024

Review By	Mahesh Dadoda	Review On	11/1/2024 5:33:31 PM		
Supervise By	Semsettin Yesilyurt	Supervise On	11/1/2024 5:33:47 PM		
SubDirectory	VY103024	HP Acquire Method		HP Processing Method	82y103024s.m

STD. NAME	STD REF.#
Tune/Reschk	VP131199
Initial Calibration Stds	VP131200,VP131201,VP131203,VP131204,VP131205,VP131206
CCC	
Internal Standard/PEM	VP128297
ICV/I.BLK	VP131207
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VY020074.D	30 Oct 2024 12:07	SY/MD	Ok
2	VSTDICC005	VY020075.D	30 Oct 2024 12:39	SY/MD	Ok,M
3	VSTDICC010	VY020076.D	30 Oct 2024 13:02	SY/MD	Ok,M
4	VSTDICC020	VY020077.D	30 Oct 2024 13:24	SY/MD	Ok,M
5	VSTDICCC050	VY020078.D	30 Oct 2024 14:06	SY/MD	Ok,M
6	VSTDICC100	VY020079.D	30 Oct 2024 14:29	SY/MD	Ok,M
7	VSTDICC150	VY020080.D	30 Oct 2024 14:52	SY/MD	Ok,M
8	VIBLK	VY020081.D	30 Oct 2024 15:15	SY/MD	Ok
9	VSTDICV050	VY020082.D	30 Oct 2024 15:47	SY/MD	Not Ok

M : Manual Integration

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Fax : 908 789 8922

Instrument ID: MSVOA_Y

Daily Analysis Runlog For Sequence/QCBatch ID # VY110424

Review By	Semsettin Yesilyurt	Review On	11/5/2024 11:26:42 AM		
Supervise By	Mahesh Dadoda	Supervise On	11/5/2024 12:50:17 PM		
SubDirectory	VY110424	HP Acquire Method		HP Processing Method	82y103024s.m

STD. NAME	STD REF.#
Tune/Reschk	VP131271
Initial Calibration Stds	
CCC	VP131272,VP131273
Internal Standard/PEM	VP128297
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VY020132.D	04 Nov 2024 08:51	SY/MD	Ok
2	VSTDCCC050	VY020133.D	04 Nov 2024 09:42	SY/MD	Ok,M
3	VY1104SBL01	VY020134.D	04 Nov 2024 11:01	SY/MD	Ok
4	VY1104SBS01	VY020135.D	04 Nov 2024 11:38	SY/MD	Ok,M
5	VY1104SBSD01	VY020136.D	04 Nov 2024 12:13	SY/MD	Ok,M
6	P4643-07	VY020137.D	04 Nov 2024 13:03	SY/MD	Ok
7	P4679-03	VY020138.D	04 Nov 2024 13:26	SY/MD	Not Ok
8	P4680-03	VY020139.D	04 Nov 2024 13:49	SY/MD	ReRun
9	P4680-07	VY020140.D	04 Nov 2024 14:13	SY/MD	Ok
10	P4675-01	VY020141.D	04 Nov 2024 14:36	SY/MD	Ok
11	P4675-02	VY020142.D	04 Nov 2024 15:00	SY/MD	Ok
12	P4675-03	VY020143.D	04 Nov 2024 15:23	SY/MD	Ok
13	P4675-06	VY020144.D	04 Nov 2024 15:46	SY/MD	Ok
14	P4675-05	VY020145.D	04 Nov 2024 16:10	SY/MD	Ok
15	P4675-04	VY020146.D	04 Nov 2024 16:33	SY/MD	Ok
16	P4695-03	VY020147.D	04 Nov 2024 16:57	SY/MD	Ok
17	P4694-03	VY020148.D	04 Nov 2024 17:20	SY/MD	ReRun
18	P4694-07	VY020149.D	04 Nov 2024 17:43	SY/MD	Ok
19	P4693-03	VY020150.D	04 Nov 2024 18:07	SY/MD	ReRun
20	P4693-07	VY020151.D	04 Nov 2024 18:30	SY/MD	Ok
21	P4685-01	VY020152.D	04 Nov 2024 18:54	SY/MD	Ok

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Instrument ID: MSVOA_Y

Daily Analysis Runlog For Sequence/QCBatch ID # VY110424

Review By	Semsettin Yesilyurt	Review On	11/5/2024 11:26:42 AM		
Supervise By	Mahesh Dadoda	Supervise On	11/5/2024 12:50:17 PM		
SubDirectory	VY110424	HP Acquire Method		HP Processing Method	82y103024s.m

STD. NAME	STD REF.#
Tune/Reschk	VP131271
Initial Calibration Stds	
CCC	VP131272,VP131273
Internal Standard/PEM	VP128297
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

22	VY1104SBSD02	VY020153.D	04 Nov 2024 19:16	SY/MD	Ok,M
23	VSTDCCC050	VY020154.D	04 Nov 2024 19:39	SY/MD	Ok,M

M : Manual Integration

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Instrument ID: MSVOA_Y

Daily Analysis Runlog For Sequence/QCBatch ID # VY103024

Review By	Mahesh Dadoda	Review On	11/1/2024 5:33:31 PM		
Supervise By	Semsettin Yesilyurt	Supervise On	11/1/2024 5:33:47 PM		
SubDirectory	VY103024	HP Acquire Method		HP Processing Method	82y103024s.m

STD. NAME	STD REF.#
Tune/Reschk	VP131199
Initial Calibration Stds	VP131200,VP131201,VP131203,VP131204,VP131205,VP131206
CCC	
Internal Standard/PEM	VP128297
ICV/I.BLK	VP131207
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	BFB	BFB	VY020074.D	30 Oct 2024 12:07		SY/MD	Ok
2	VSTDICC005	VSTDICC005	VY020075.D	30 Oct 2024 12:39	Method pass	SY/MD	Ok,M
3	VSTDICC010	VSTDICC010	VY020076.D	30 Oct 2024 13:02		SY/MD	Ok,M
4	VSTDICC020	VSTDICC020	VY020077.D	30 Oct 2024 13:24		SY/MD	Ok,M
5	VSTDICCC050	VSTDICCC050	VY020078.D	30 Oct 2024 14:06		SY/MD	Ok,M
6	VSTDICC100	VSTDICC100	VY020079.D	30 Oct 2024 14:29		SY/MD	Ok,M
7	VSTDICC150	VSTDICC150	VY020080.D	30 Oct 2024 14:52		SY/MD	Ok,M
8	VIBLK	VIBLK	VY020081.D	30 Oct 2024 15:15		SY/MD	Ok
9	VSTDICV050	ICVVY103024	VY020082.D	30 Oct 2024 15:47	fail icv	SY/MD	Not Ok

M : Manual Integration

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Instrument ID: MSVOA_Y

Daily Analysis Runlog For Sequence/QCBatch ID # VY110424

Review By	Semsettin Yesilyurt	Review On	11/5/2024 11:26:42 AM		
Supervise By	Mahesh Dadoda	Supervise On	11/5/2024 12:50:17 PM		
SubDirectory	VY110424	HP Acquire Method		HP Processing Method	82y103024s.m

STD. NAME	STD REF.#
Tune/Reschk	VP131271
Initial Calibration Stds	
CCC	VP131272,VP131273
Internal Standard/PEM	VP128297
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	BFB	BFB	VY020132.D	04 Nov 2024 08:51		SY/MD	Ok
2	VSTDCCC050	VSTDCCC050	VY020133.D	04 Nov 2024 09:42		SY/MD	Ok,M
3	VY1104SBL01	VY1104SBL01	VY020134.D	04 Nov 2024 11:01		SY/MD	Ok
4	VY1104SBS01	VY1104SBS01	VY020135.D	04 Nov 2024 11:38		SY/MD	Ok,M
5	VY1104SBSD01	VY1104SBSD01	VY020136.D	04 Nov 2024 12:13		SY/MD	Ok,M
6	P4643-07	BP-F8-VOC	VY020137.D	04 Nov 2024 13:03	vial-B	SY/MD	Ok
7	P4679-03	MH-1-VOC	VY020138.D	04 Nov 2024 13:26	vial-A NOT PURGE	SY/MD	Not Ok
8	P4680-03	BP-F26-VOC	VY020139.D	04 Nov 2024 13:49	Internal Standard Fail vial-A	SY/MD	ReRun
9	P4680-07	BP-F25-VOC	VY020140.D	04 Nov 2024 14:13	vial-A	SY/MD	Ok
10	P4675-01	COMP-1	VY020141.D	04 Nov 2024 14:36	vial-A	SY/MD	Ok
11	P4675-02	COMP-2	VY020142.D	04 Nov 2024 15:00	vial-A	SY/MD	Ok
12	P4675-03	COMP-3	VY020143.D	04 Nov 2024 15:23	vial-A	SY/MD	Ok
13	P4675-06	COMP-6	VY020144.D	04 Nov 2024 15:46	vial-A	SY/MD	Ok
14	P4675-05	COMP-5	VY020145.D	04 Nov 2024 16:10	Internal Standard Fail vial-A	SY/MD	Ok
15	P4675-04	COMP-4	VY020146.D	04 Nov 2024 16:33	vial-A	SY/MD	Ok
16	P4695-03	Z-01-VOC	VY020147.D	04 Nov 2024 16:57	vial-A	SY/MD	Ok
17	P4694-03	Z-03A-VOC	VY020148.D	04 Nov 2024 17:20	Internal Standard Fail; Surrogate fail vial-A	SY/MD	ReRun

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Instrument ID: MSVOA_Y

Daily Analysis Runlog For Sequence/QCBatch ID # VY110424

Review By	Semsettin Yesilyurt	Review On	11/5/2024 11:26:42 AM		
Supervise By	Mahesh Dadoda	Supervise On	11/5/2024 12:50:17 PM		
SubDirectory	VY110424	HP Acquire Method		HP Processing Method	82y103024s.m

STD. NAME	STD REF.#
Tune/Reschk	VP131271
Initial Calibration Stds	
CCC	VP131272,VP131273
Internal Standard/PEM	VP128297
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

18	P4694-07	Z-04-VOC	VY020149.D	04 Nov 2024 17:43	vial-A	SY/MD	Ok
19	P4693-03	BP-G5-WC-VOC	VY020150.D	04 Nov 2024 18:07	Internal Standard Fail vial-A	SY/MD	ReRun
20	P4693-07	BP-G4-WC-VOC	VY020151.D	04 Nov 2024 18:30	vial-A	SY/MD	Ok
21	P4685-01	OK-01-11012024	VY020152.D	04 Nov 2024 18:54	vial-A	SY/MD	Ok
22	VY1104SBSD02	VY1104SBSD02	VY020153.D	04 Nov 2024 19:16		SY/MD	Ok,M
23	VSTDCCC050	VSTDCCC050EC	VY020154.D	04 Nov 2024 19:39		SY/MD	Ok,M

M : Manual Integration

PERCENT SOLID

Supervisor: jignesh
Analyst: Iwona
Date: 11/4/2024

OVENTEMP IN Celsius(°C): 107
Time IN: 15:15
In Date: 11/01/2024
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
OvenID: M OVEN#1

OVENTEMP OUT Celsius(°C): 103
Time OUT: 08:00
Out Date: 11/02/2024
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
BalanceID: M SC-4
Thermometer ID: % SOLID- OVEN

QC: LB133250

Lab ID	Client SampleID	Dish #	Dish Wt(g) (A)	Sample Wt(g)	Dish + Sample Wt(g) (B)	Dish+Dry Sample Wt(g) (C)	% Solid	Comments
P4647-01	01A-01B-01C	1	1.00	1.00	2.00	2.00	100.0	caluk
P4658-01	B-131-1-SB02	2	1.16	8.56	9.72	5.57	51.5	
P4658-02	B-131-2-SB02	3	1.15	8.63	9.78	5.91	55.2	
P4658-03	B-131-3-SB02	4	1.14	8.37	9.51	5.83	56.0	
P4659-02	MH-2-EPH	5	1.14	8.59	9.73	8.7	88.0	
P4659-03	MH-2-VOC	6	1.16	8.70	9.86	8.83	88.2	
P4660-02	WC-TA2-01-C	7	1.13	8.76	9.89	8.92	88.9	
P4660-06	WC-WOOD-01-C	8	1.00	1.00	2.00	2.00	100.0	wood chips
P4660-10	WC-CONCRETE-01-C	9	1.14	8.55	9.69	9.03	92.3	
P4660-12	WC-CONCRETE-01-C	10	1.14	8.54	9.68	9.06	92.7	
P4661-01	102824-A	11	1.00	1.00	2.00	2.00	100.0	wipe sample
P4661-02	102824-B	12	1.00	1.00	2.00	2.00	100.0	wipe sample
P4662-01	102524-DRIP-A	13	1.00	1.00	2.00	2.00	100.0	wipe sample
P4662-02	102524-B	14	1.00	1.00	2.00	2.00	100.0	wipe sample
P4662-03	102524-C	15	1.00	1.00	2.00	2.00	100.0	wipe sample
P4663-01	TENNANT-PAD-2-3-STOCKPILE	16	1.14	8.75	9.89	9.1	91.0	
P4663-02	TENNANT-PAD-2-3-STOCKPILE	17	1.16	8.75	9.91	9.11	90.9	
P4663-03	RES-BUILDING-PAD-NO-11	18	1.16	8.74	9.9	9.19	91.9	
P4663-04	RES-BUILDING-PAD-NO-11	19	1.16	8.67	9.83	9.11	91.7	
P4663-05	RES-BUILDING-PAD-NO-3	20	1.15	8.61	9.76	8.94	90.5	
P4663-06	RES-BUILDING-PAD-NO-3	21	1.16	8.64	9.8	9.04	91.2	
P4663-07	RES-BUILDING-PAD-NO-2	22	1.16	8.46	9.62	8.41	85.7	
P4663-08	RES-BUILDING-PAD-NO-2	23	1.17	8.78	9.95	9.19	91.3	
P4667-01	BP-F-6	24	1.16	8.42	9.58	8.66	89.1	
P4667-02	BP-F-6-EPH	25	1.18	8.51	9.69	8.7	88.4	
P4667-03	BP-F-6-VOC	26	1.19	8.65	9.84	8.88	88.9	
P4667-05	BP-F-5	27	1.16	8.51	9.67	8.76	89.3	

PERCENT SOLID

Supervisor: jignesh
Analyst: Iwona
Date: 11/4/2024

OVENTEMP IN Celsius(°C): 107
Time IN: 15:15
In Date: 11/01/2024
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
OvenID: M OVEN#1

OVENTEMP OUT Celsius(°C): 103
Time OUT: 08:00
Out Date: 11/02/2024
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
BalanceID: M SC-4
Thermometer ID: % SOLID- OVEN

QC: LB133250

Lab ID	Client SampleID	Dish #	Dish Wt(g) (A)	Sample Wt(g)	Dish + Sample Wt(g) (B)	Dish+Dry Sample Wt(g) (C)	% Solid	Comments
P4667-06	BP-F-5-EPH	28	1.16	8.52	9.68	8.76	89.2	
P4667-07	BP-F-5-VOC	29	1.17	8.64	9.81	8.79	88.2	
P4667-09	BP-F-10	30	1.17	8.78	9.95	8.98	89.0	
P4667-10	BP-F-10-EPH	31	1.17	8.54	9.71	8.84	89.8	
P4667-11	BP-F-10-VOC	32	1.16	8.81	9.97	9.06	89.7	
P4667-13	BP-F-7	33	1.16	8.71	9.87	8.91	89.0	
P4667-14	BP-F-7-EPH	34	1.17	8.44	9.61	8.57	87.7	
P4667-15	BP-F-7-VOC	35	1.18	8.42	9.6	8.72	89.5	
P4672-01	TAPLPR-SED06-103024-00-T2	36	1.19	8.65	9.84	7.71	75.4	
P4672-02	TAPLPR-SED07-103024-00-T2	37	1.19	8.47	9.66	8.48	86.1	
P4672-03	TAPLPR-SED03-103024-00-T2	38	1.19	8.68	9.87	8.31	82.0	
P4672-04	TAPLPR-SED04-103024-00-T2	39	1.19	8.77	9.96	8.77	86.4	
P4672-05	TAPLPR-SED05-103024-00-T2	40	1.18	8.62	9.8	8.41	83.9	
P4675-01	COMP-1	41	1.18	8.56	9.74	7.85	77.9	
P4675-02	COMP-2	42	1.19	8.48	9.67	8.46	85.7	
P4675-03	COMP-3	43	1.19	8.78	9.97	8.99	88.8	
P4675-04	COMP-4	44	1.18	8.71	9.89	8.4	82.9	
P4675-05	COMP-5	45	1.17	8.54	9.71	8.18	82.1	
P4675-06	COMP-6	46	1.17	8.70	9.87	8.24	81.3	
P4677-01	2410-6346	47	1.00	1.00	2.00	2.00	100.0	PAINT CHIPS
P4679-01	MH-1	48	1.18	8.80	9.98	8.98	88.6	
P4679-02	MH-1-EPH	49	1.19	8.58	9.77	8.65	86.9	
P4679-03	MH-1-VOC	50	1.19	8.62	9.81	8.72	87.4	
P4680-01	BP-F26	51	1.18	8.80	9.98	9.08	89.8	
P4680-02	BP-F26-EPH	52	1.18	8.44	9.62	8.71	89.2	
P4680-03	BP-F26-VOC	53	1.19	8.50	9.69	8.75	88.9	

PERCENT SOLID

Supervisor: jignesh
Analyst: Iwona
Date: 11/4/2024

OVENTEMP IN Celsius(°C): 107
Time IN: 15:15
In Date: 11/01/2024
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
OvenID: M OVEN#1

OVENTEMP OUT Celsius(°C): 103
Time OUT: 08:00
Out Date: 11/02/2024
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
BalanceID: M SC-4
Thermometer ID: % SOLID- OVEN

QC: LB133250

Lab ID	Client SampleID	Dish #	Dish Wt(g) (A)	Sample Wt(g)	Dish + Sample Wt(g) (B)	Dish+Dry Sample Wt(g) (C)	% Solid	Comments
P4680-05	BP-F25	54	1.18	8.69	9.87	8.9	88.8	
P4680-06	BP-F25-EPH	55	1.19	8.79	9.98	8.91	87.8	
P4680-07	BP-F25-VOC	56	1.18	8.60	9.78	8.86	89.3	

$$\% \text{ Solid} = \frac{(C-A) * 100}{(B-A)}$$

WORKLIST(Hardcopy Internal Chain)

LB 183250

WorkList Name : %solid-110124 **WorkList ID :** 185025 **Department :** Wet-Chemistry **Date :** 11-01-2024 12:08:04

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
P4647-01	01A-01B-01C	Solid	Percent Solids	Cool 4 deg C	BSIG01	K61	10/31/2024	Chemtech -SO
P4658-01	B-131-1-SB02	Solid	Percent Solids	Cool 4 deg C	PORT06	K61	10/31/2024	Chemtech -SO
P4658-02	B-131-2-SB02	Solid	Percent Solids	Cool 4 deg C	PORT06	K61	10/31/2024	Chemtech -SO
P4658-03	B-131-3-SB02	Solid	Percent Solids	Cool 4 deg C	PORT06	K61	10/31/2024	Chemtech -SO
P4659-02	MH-2-EPH	Solid	Percent Solids	Cool 4 deg C	PSEG03	K61	10/31/2024	Chemtech -SO
P4659-03	MH-2-VOC	Solid	Percent Solids	Cool 4 deg C	PSEG03	K61	10/31/2024	Chemtech -SO
P4660-02	WC-TA2-01-C	Solid	Percent Solids	Cool 4 deg C	ENTA05	K41	10/30/2024	Chemtech -SO
P4660-06	WC-WOOD-01-C	Solid	Percent Solids	Cool 4 deg C	ENTA05	K41	10/31/2024	Chemtech -SO
P4660-10	WC-CONCRETE-01-C	Solid	Percent Solids	Cool 4 deg C	ENTA05	K41	10/31/2024	Chemtech -SO
P4660-12	WC-CONCRETE-01-C	Solid	Percent Solids	Cool 4 deg C	ENTA05	K41	10/31/2024	Chemtech -SO
P4661-01	102824-A	Solid	Percent Solids	Cool 4 deg C	PSEG03	K51	10/31/2024	Chemtech -SO
P4661-02	102824-B	Solid	Percent Solids	Cool 4 deg C	PSEG03	K51	10/31/2024	Chemtech -SO
P4662-01	102524-DRIP-A	Solid	Percent Solids	Cool 4 deg C	PSEG03	K61	10/31/2024	Chemtech -SO
P4662-02	102524-B	Solid	Percent Solids	Cool 4 deg C	PSEG03	K61	10/31/2024	Chemtech -SO
P4662-03	102524-C	Solid	Percent Solids	Cool 4 deg C	PSEG03	K61	10/31/2024	Chemtech -SO
P4663-01	TENNANT-PAD-2-3-STOCKPIL	Solid	Percent Solids	Cool 4 deg C	UNIO02	K41	10/31/2024	Chemtech -SO
P4663-02	TENNANT-PAD-2-3-STOCKPIL	Solid	Percent Solids	Cool 4 deg C	UNIO02	K41	10/31/2024	Chemtech -SO
P4663-03	RES-BUILDING-PAD-NO-11	Solid	Percent Solids	Cool 4 deg C	UNIO02	K41	10/31/2024	Chemtech -SO
P4663-04	RES-BUILDING-PAD-NO-11	Solid	Percent Solids	Cool 4 deg C	UNIO02	K41	10/31/2024	Chemtech -SO
P4663-05	RES-BUILDING-PAD-NO-3	Solid	Percent Solids	Cool 4 deg C	UNIO02	K41	10/31/2024	Chemtech -SO
P4663-06	RES-BUILDING-PAD-NO-3	Solid	Percent Solids	Cool 4 deg C	UNIO02	K41	10/31/2024	Chemtech -SO

Date/Time 11/01/24 15:20

Raw Sample Received by: [signature]

Raw Sample Relinquished by: [signature]

Date/Time 11/01/24 17:20

Raw Sample Received by: [signature]

Raw Sample Relinquished by: [signature]

WORKLIST(Hardcopy Internal Chain)

WorkList Name : %solid-110124 **WorkList ID :** 185025 **Department :** Wet-Chemistry **Date :** 11-01-2024 12:08:04

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
P4663-07	RES-BUILDING-PAD-NO-2	Solid	Percent Solids	Cool 4 deg C	UNIO02	K41	10/31/2024	Chemtech -SO
P4663-08	RES-BUILDING-PAD-NO-2	Solid	Percent Solids	Cool 4 deg C	UNIO02	K41	10/31/2024	Chemtech -SO
P4667-01	BP-F-6	Solid	Percent Solids	Cool 4 deg C	PSEG03	K51	10/31/2024	Chemtech -SO
P4667-02	BP-F-6-EPH	Solid	Percent Solids	Cool 4 deg C	PSEG03	K51	10/31/2024	Chemtech -SO
P4667-03	BP-F-6-VOC	Solid	Percent Solids	Cool 4 deg C	PSEG03	K51	10/31/2024	Chemtech -SO
P4667-05	BP-F-5	Solid	Percent Solids	Cool 4 deg C	PSEG03	K51	10/31/2024	Chemtech -SO
P4667-06	BP-F-5-EPH	Solid	Percent Solids	Cool 4 deg C	PSEG03	K51	10/31/2024	Chemtech -SO
P4667-07	BP-F-5-VOC	Solid	Percent Solids	Cool 4 deg C	PSEG03	K51	10/31/2024	Chemtech -SO
P4667-09	BP-F-10	Solid	Percent Solids	Cool 4 deg C	PSEG03	K51	10/31/2024	Chemtech -SO
P4667-10	BP-F-10-EPH	Solid	Percent Solids	Cool 4 deg C	PSEG03	K51	10/31/2024	Chemtech -SO
P4667-11	BP-F-10-VOC	Solid	Percent Solids	Cool 4 deg C	PSEG03	K51	10/31/2024	Chemtech -SO
P4667-13	BP-F-7	Solid	Percent Solids	Cool 4 deg C	PSEG03	K51	10/31/2024	Chemtech -SO
P4667-14	BP-F-7-EPH	Solid	Percent Solids	Cool 4 deg C	PSEG03	K51	10/31/2024	Chemtech -SO
P4667-15	BP-F-7-VOC	Solid	Percent Solids	Cool 4 deg C	PSEG03	K51	10/31/2024	Chemtech -SO
P4672-01	TAPLPR-SED06-103024-00-T2	Solid	Percent Solids	Cool 4 deg C	WEST04	K41	10/30/2024	Chemtech -SO
P4672-02	TAPLPR-SED07-103024-00-T2	Solid	Percent Solids	Cool 4 deg C	WEST04	K41	10/30/2024	Chemtech -SO
P4672-03	TAPLPR-SED03-103024-00-T2	Solid	Percent Solids	Cool 4 deg C	WEST04	K41	10/30/2024	Chemtech -SO
P4672-04	TAPLPR-SED04-103024-00-T2	Solid	Percent Solids	Cool 4 deg C	WEST04	K41	10/30/2024	Chemtech -SO
P4672-05	TAPLPR-SED05-103024-00-T2	Solid	Percent Solids	Cool 4 deg C	WEST04	K41	10/30/2024	Chemtech -SO
P4675-01	COMP-1	Solid	Percent Solids	Cool 4 deg C	POWE02	K41	10/31/2024	Chemtech -SO
P4675-02	COMP-2	Solid	Percent Solids	Cool 4 deg C	POWE02	K41	10/31/2024	Chemtech -SO

Date/Time 11/01/2024 ~~14:00~~ 15:30

Raw Sample Received by:

Raw Sample Relinquished by:

Date/Time 11/01/2024 ~~15:30~~ 17:20

Raw Sample Received by:

Raw Sample Relinquished by:

WORKLIST(Hardcopy Internal Chain)

WorkList Name : %solid-110124 **WorkList ID :** 185025 **Department :** Wet-Chemistry **Date :** 11-01-2024 12:08:04

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
P4675-03	COMP-3	Solid	Percent Solids	Cool 4 deg C	POWE02	K41	10/31/2024	Chemtech -SO
P4675-04	COMP-4	Solid	Percent Solids	Cool 4 deg C	POWE02	K41	10/31/2024	Chemtech -SO
P4675-05	COMP-5	Solid	Percent Solids	Cool 4 deg C	POWE02	K41	10/31/2024	Chemtech -SO
P4675-06	COMP-6	Solid	Percent Solids	Cool 4 deg C	POWE02	K41	10/31/2024	Chemtech -SO
P4677-01	2410-6346	Solid	Percent Solids	Cool 4 deg C	PSEG03	L11	11/01/2024	Chemtech -SO
P4679-01	MH-1	Solid	Percent Solids	Cool 4 deg C	PSEG03	L11	11/01/2024	Chemtech -SO
P4679-02	MH-1-EPH	Solid	Percent Solids	Cool 4 deg C	PSEG03	L11	11/01/2024	Chemtech -SO
P4679-03	MH-1-VOC	Solid	Percent Solids	Cool 4 deg C	PSEG03	L11	11/01/2024	Chemtech -SO
P4680-01	BP-F26	Solid	Percent Solids	Cool 4 deg C	PSEG03	L12	11/01/2024	Chemtech -SO
P4680-02	BP-F26-EPH	Solid	Percent Solids	Cool 4 deg C	PSEG03	L12	11/01/2024	Chemtech -SO
P4680-03	BP-F26-VOC	Solid	Percent Solids	Cool 4 deg C	PSEG03	L12	11/01/2024	Chemtech -SO
P4680-05	BP-F25	Solid	Percent Solids	Cool 4 deg C	PSEG03	L12	11/01/2024	Chemtech -SO
P4680-06	BP-F25-EPH	Solid	Percent Solids	Cool 4 deg C	PSEG03	L12	11/01/2024	Chemtech -SO
P4680-07	BP-F25-VOC	Solid	Percent Solids	Cool 4 deg C	PSEG03	L12	11/01/2024	Chemtech -SO

Date/Time 11/01/24 15:30

Raw Sample Received by: [illegible]

Raw Sample Relinquished by: [illegible]

17:30

Date/Time 11/01/24 ~~15:30~~

Raw Sample Received by: [illegible]

Raw Sample Relinquished by: [illegible]

SHIPPING DOCUMENTS

CHEMTECH
CHAIN OF CUSTODY RECORD

284 Sheffield Street, Mountainside, NJ 07092
(908) 789-8900 • Fax (908) 789-8922
www.chemtech.net

CHEMTECH PROJECT NO. QUOTE NO. P4675
COC Number 2042209

CLIENT INFORMATION

REPORT TO BE SENT TO:
COMPANY: Kleinfelder
ADDRESS: 25 Gold Drive
CITY Hamilton STATE: NJ ZIP: 08691
ATTENTION: Mark Warchol
PHONE: 609-584-5271 FAX:

CLIENT PROJECT INFORMATION

PROJECT NAME: Harrington School
PROJECT NO. 24005166.001A LOCATION: Philadelphia, PA
PROJECT MANAGER: Mark Warchol
e-mail: mwarchol@kleinfelder.com
PHONE: 484-883-3892 FAX:

CLIENT BILLING INFORMATION

BILL TO: PO#:
ADDRESS: Same
CITY STATE: ZIP:
ATTENTION: PHONE:

DATA TURNAROUND INFORMATION

FAX (RUSH) 5 DAYS*
HARDCOPY (DATA PACKAGE): 5 DAYS*
EDD: 5 DAYS*
*TO BE APPROVED BY CHEMTECH
STANDARD HARDCOPY TURNAROUND TIME IS 10 BUSINESS DAYS

DATA DELIVERABLE INFORMATION

- ☐ Level 1 (Results Only)
- ✓ Level 2 (Results + QC)
- ☐ Level 3 (Results + QC + Raw Data)
- ☐ EDD FORMAT
- ☐ Level 4 (QC + Full Raw Data)
- ☐ NJ Reduced ☐ US EPA CLP
- ☐ NYS ASP A ☐ NYS ASP B
- ☐ Other

ANALYSIS

PADEP Clean Fill Parameters

CHEMTECH SAMPLE ID	PROJECT SAMPLE IDENTIFICATION	SAMPLE MATRIX	SAMPLE TYPE COMP	SAMPLE TYPE GRAB	SAMPLE COLLECTION DATE	SAMPLE COLLECTION TIME	# OF BOTTLES	PRESERVATIVES 1	2	3	4	5	6	7	8	9	COMMENTS
1.	COMP-1	Soil	✓		10/31/24	11:05	4	✓									
2.	COMP-2					11:10	3										
3.	COMP-3					11:15	4										
4.	COMP-4					11:20											
5.	COMP-5					11:25											
6.	COMP-6					11:30											
7.	SB-1			✓		8:45	1										
8.	SB-2					8:55											
9.	SB-3					9:05											
10.	SB-4					9:10											

PRESERVATIVES: E

← Specify Preservatives
A-HCl D-NaOH
B-HN03 E-ICE
C-H2SO4 F-OTHER

SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGE POSSESSION INCLUDING COURIER DELIVERY

RELINQUISHED BY SAMPLER:	DATE/TIME:	RECEIVED BY:
1.	10/31/24 14:00	1.
2.	11-1-24 1105	2.
3.		3.

Conditions of bottles or coolers at receipt: ☐ COMPLIANT ☐ NON COMPLIANT ☐ COOLER TEMP 5.7 °C
Comments: Put grab samples on hold, do not analyze until further notice
IR Gun #1

Page 1 of 2

CLIENT: ☐ Hand Delivered ✓ Other FedEx
CHEMTECH: ☐ Picked Up ☐ Field Sampling

Shipment Complete ☐ YES ☐ NO

WHITE - CHEMTECH COPY FOR RETURN TO CLIENT YELLOW - CHEMTECH COPY PINK - SAMPLER COPY

CHEMTECH
CHAIN OF CUSTODY RECORD

284 Sheffield Street, Mountainside, NJ 07092
(908) 789-8900 • Fax (908) 789-8922
www.chemtech.net

CHEMTECH PROJECT NO. P4673
QUOTE NO.
COC Number 2042210

CLIENT INFORMATION

REPORT TO BE SENT TO:
COMPANY: Kleinfelder
ADDRESS: 2 S Gold Drive
CITY Hamilton STATE: NJ ZIP: 08691
ATTENTION: Mark Warchol
PHONE: 609-584-5271 FAX:

CLIENT PROJECT INFORMATION

PROJECT NAME: Harrington School
PROJECT NO. 240051166.001A LOCATION: Philadelphia, PA
PROJECT MANAGER: Mark Warchol
e-mail: mwarchol@kleinfelder.com
PHONE: 484-883-3892 FAX:

CLIENT BILLING INFORMATION

BILL TO: PO#:
ADDRESS: Same
CITY STATE: ZIP:
ATTENTION: PHONE:

DATA TURNAROUND INFORMATION

FAX (RUSH) 5 DAYS*
HARDCOPY (DATA PACKAGE): 5 DAYS*
EDD: 5 DAYS*
*TO BE APPROVED BY CHEMTECH
STANDARD HARDCOPY TURNAROUND TIME IS 10 BUSINESS DAYS

DATA DELIVERABLE INFORMATION

- ☐ Level 1 (Results Only)
- ☑ Level 2 (Results + QC)
- ☐ Level 3 (Results + QC + Raw Data)
- ☐ EDD FORMAT
- ☐ Level 4 (QC + Full Raw Data)
- ☐ NJ Reduced ☐ US EPA CLP
- ☐ NYS ASP A ☐ NYS ASP B
- ☐ Other

ANALYSIS

PCBs Dioxins FAT TC Parameters

CHEMTECH SAMPLE ID	PROJECT SAMPLE IDENTIFICATION	SAMPLE MATRIX	SAMPLE TYPE COMP	SAMPLE TYPE GRAB	SAMPLE COLLECTION DATE	SAMPLE COLLECTION TIME	# OF BOTTLES	PRESERVATIVES 1	2	3	4	5	6	7	8	9	COMMENTS
1.	SB-5	Soil		✓	10/31/24	9:20	1	✓									
2.	SB-6					9:30											
3.	SB-7					10:15											
4.	SB-8					10:20											
5.	SB-9					10:30											
6.	SB-10					10:40											
7.	SB-11					10:50											
8.	SB-12					10:55											
9.																	
10.																	

E

← Specify Preservatives
A-HCl D-NaOH
B-HN03 E-ICE
C-H2SO4 F-OTHER

SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGE POSSESSION INCLUDING COURIER DELIVERY

RELINQUISHED BY SAMPLER:	DATE/TIME:	RECEIVED BY:
1.	10/31/24 14:00	1.
2.	11-1-24 1105	2.
3.		3.

Conditions of bottles or coolers at receipt: ☐ COMPLIANT ☐ NON COMPLIANT ☐ COOLER TEMP 5.7 °C
Comments: Put grab samples on hold, do not analyze until further notice
IR-Gun #1

Page 2 of 2

CLIENT: ☐ Hand Delivered ☑ Other Fed Ex
CHEMTECH: ☐ Picked Up ☐ Field Sampling

Shipment Complete ☐ YES ☐ NO

WHITE - CHEMTECH COPY FOR RETURN TO CLIENT YELLOW - CHEMTECH COPY PINK - SAMPLER COPY

CHEMTECH 284 Sheffield Street, Mountainside NJ 07092 (908)-789-8900 Fax : 908 789 8922

Laboratory Certification

Certified By	License No.
CAS EPA CLP Contract	68HERH20D0011
Connecticut	PH-0830
DOD ELAP (ANAB)	L2219
Maine	2024021
Maryland	296
New Hampshire	255424 Rev 1
New Jersey	20012
New York	11376
Pennsylvania	68-00548
Soil Permit	525-24-234-08441
Texas	T104704488

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

LOGIN REPORT/SAMPLE TRANSFER

Order ID : P4675 POWE02
Client Name : Kleinfelder
Client Contact : Mark Warchol
Invoice Name : Kleinfelder
Invoice Contact : Mark Warchol

Order Date : 11/1/2024 11:22:00 AM
Project Name : ~~Edison School~~ Harrington School
Receive DateTime : 11/1/2024 11:05:00 AM
Purchase Order :

Project Mgr :
Report Type : Results+QC
EDD Type : EXCEL NOCLEANUP
Hard Copy Date :
Date Signoff :

LAB ID	CLIENT ID	MATRIX	SAMPLE DATE	SAMPLE TIME	TEST	TEST GROUP	METHOD	FAX DATE	DUE DATES
P4675-01	COMP-1	Solid	10/31/2024	11:05					
					VOCMS Group1		8260D		3 Bus. Days
P4675-02	COMP-2	Solid	10/31/2024	11:10					
					VOCMS Group1		8260D		3 Bus. Days
P4675-03	COMP-3	Solid	10/31/2024	11:15					
					VOCMS Group1		8260D		3 Bus. Days
P4675-04	COMP-4	Solid	10/31/2024	11:20					
					VOCMS Group1		8260D		3 Bus. Days
P4675-05	COMP-5	Solid	10/31/2024	11:25					
					VOCMS Group1		8260D		3 Bus. Days
P4675-06	COMP-6	Solid	10/31/2024	11:30					
					VOCMS Group1		8260D		3 Bus. Days

Alliance TECHNICAL GROUP

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

LOGIN REPORT/SAMPLE TRANSFER

Order ID :	P4675 POWE02	**Order Date :**	11/1/2024 11:22:00 AM	**Project Mgr :**	
Client Name :	Kleinfelder	**Project Name :**	~~Edison School~~ Harrington School.	**Report Type :**	Results+QC
Client Contact :	Mark Warchol	**Receive DateTime :**	11/1/2024 11:05:00 AM	**EDD Type :**	EXCEL NOCLEANUP
Invoice Name :	Kleinfelder	**Purchase Order :**		**Hard Copy Date :**	
Invoice Contact :	Mark Warchol			**Date Signoff :**	

LAB ID	CLIENT ID	MATRIX	SAMPLE DATE	SAMPLE TIME	TEST	TEST GROUP	METHOD	FAX DATE	DUE DATES

Relinguished By : _____
Date / Time : 11.1.24 1200

Received By : Sam
Date / Time : 11/01/24 1200 Rq # 6 CE

Storage Area : VOA Refridgerator Room