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

Cover Page

Order ID : Q1858

Project ID : Henry Lea School

Client : Kleinfelder

Lab Sample Number	Client Sample Number
Q1858-01	COMP-1
Q1858-02	COMP-2
Q1858-03	COMP-3

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: 4/25/2025

NYDOH CERTIFICATION NO - 11376

NJDEP CERTIFICATION NO - 20012

284 Sheffield Street, Mountainside NJ 07092 Tel. 908-789-8900 Fax: 908-789-8922

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 #: **Q1858**

	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: **PRATIK PATEL** **Date:** **04/25/2025**

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LAB CHRONICLE

OrderID:	Q1858	**OrderDate:**	4/22/2025 2:54:00 PM
Client:	Kleinfelder	**Project:**	Henry Lea School
Contact:	Mark Warchol	**Location:**	L41,VOA Ref. #2 Soil

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q1858-01	**COMP-1**	**SOIL**			**04/21/25**			**04/22/25**
			VOCMS Group1	8260D			04/23/25	
Q1858-02	**COMP-2**	**SOIL**			**04/21/25**			**04/22/25**
			VOCMS Group1	8260D			04/23/25	
Q1858-03	**COMP-3**	**SOIL**			**04/21/25**			**04/22/25**
			VOCMS Group1	8260D			04/23/25	

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Hit Summary Sheet
SW-846

SDG No.: Q1858

Client: Kleinfelder

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID:								
				0				

Total Voc :

Total Concentration:

QC SUMMARY

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
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Surrogate Summary

SDG No.: Q1858

Client: Kleinfelder

Analytical Method: SW8260D

Lab Sample ID	Client ID	Parameter	Spike	Result	RecoveryQual	Limits Low	Limits High
Q1858-01	COMP-1	1,2-Dichloroethane-d4	50	55.5	111	63	155
		Dibromofluoromethane	50	50.3	101	70	134
		Toluene-d8	50	48.6	97	74	123
		4-Bromofluorobenzene	50	42.0	84	38	136
Q1858-02	COMP-2	1,2-Dichloroethane-d4	50	51.8	104	63	155
		Dibromofluoromethane	50	49.8	100	70	134
		Toluene-d8	50	48.0	96	74	123
		4-Bromofluorobenzene	50	39.1	78	38	136
Q1858-03	COMP-3	1,2-Dichloroethane-d4	50	52.9	106	63	155
		Dibromofluoromethane	50	50.7	101	70	134
		Toluene-d8	50	48.1	96	74	123
		4-Bromofluorobenzene	50	39.5	79	38	136
VY0423SBL01	VY0423SBL01	1,2-Dichloroethane-d4	50	51.1	102	63	155
		Dibromofluoromethane	50	50.0	100	70	134
		Toluene-d8	50	47.6	95	74	123
		4-Bromofluorobenzene	50	38.5	77	38	136
VY0423SBS01	VY0423SBS01	1,2-Dichloroethane-d4	50	51.4	103	63	155
		Dibromofluoromethane	50	51.5	103	70	134
		Toluene-d8	50	52.0	104	74	123
		4-Bromofluorobenzene	50	50.6	101	38	136
VY0423SBSD01	VY0423SBSD01	1,2-Dichloroethane-d4	50	57.7	115	63	155
		Dibromofluoromethane	50	55.6	111	70	134
		Toluene-d8	50	56.5	113	74	123
		4-Bromofluorobenzene	50	55.5	111	38	136

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q1858

Client: Kleinfelder

Analytical Method: SW8260D **Datafile :** VY021964.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VY0423SBS01	cis-1,2-Dichloroethene	20	20.3	ug/Kg	102			82	123	
	1,1,1-Trichloroethane	20	20.2	ug/Kg	101			80	126	
	Benzene	20	20.7	ug/Kg	104			84	121	
	Trichloroethene	20	20.2	ug/Kg	101			83	122	
	Toluene	20	20.8	ug/Kg	104			83	122	
	Ethyl Benzene	20	19.8	ug/Kg	99			82	124	
	m/p-Xylenes	40	40.3	ug/Kg	101			83	124	
	o-Xylene	20	19.8	ug/Kg	99			83	123	
	Isopropylbenzene	20	19.6	ug/Kg	98			82	124	

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q1858

Client: Kleinfelder

Analytical Method: SW8260D **Datafile :** VY021965.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VY0423SBSD01	cis-1,2-Dichloroethene	20	21.4	ug/Kg	107	5		82	123	20
	1,1,1-Trichloroethane	20	21.2	ug/Kg	106	5		80	126	20
	Benzene	20	21.4	ug/Kg	107	3		84	121	20
	Trichloroethene	20	21.0	ug/Kg	105	4		83	122	20
	Toluene	20	21.6	ug/Kg	108	4		83	122	20
	Ethyl Benzene	20	20.3	ug/Kg	102	3		82	124	20
	m/p-Xylenes	40	41.9	ug/Kg	105	4		83	124	20
	o-Xylene	20	20.6	ug/Kg	103	4		83	123	20
	Isopropylbenzene	20	20.2	ug/Kg	101	3		82	124	20

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VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VY0423SBL01

Lab Name: CHEMTECH Contract: POWE02

Lab Code: CHEM Case No.: Q1858 SAS No.: Q1858 SDG NO.: Q1858

Lab File ID: VY021963.D Lab Sample ID: VY0423SBL01

Date Analyzed: 04/23/2025 Time Analyzed: 10:31

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
VY0423SBS01	VY0423SBS01	VY021964.D	04/23/2025
VY0423SBSD01	VY0423SBSD01	VY021965.D	04/23/2025
COMP-1	Q1858-01	VY021978.D	04/23/2025
COMP-2	Q1858-02	VY021979.D	04/23/2025
COMP-3	Q1858-03	VY021980.D	04/23/2025

COMMENTS:

Raw Data: **VY021952.D**

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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: POWE02

Lab Code: CHEM Case No.: Q1858 SAS No.: Q1858 SDG NO.: Q1858

Lab File ID: VY021952.D BFB Injection Date: 04/22/2025

Instrument ID: MSVOA_Y BFB Injection Time: 11:33

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	16.9
75	30.0 - 60.0% of mass 95	49.7
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.5
173	Less than 2.0% of mass 174	1.5 (1.7) 1
174	50.0 - 100.0% of mass 95	88.4
175	5.0 - 9.0% of mass 174	7.1 (8) 1
176	95.0 - 101.0% of mass 174	84.9 (96.1) 1
177	5.0 - 9.0% of mass 176	5.5 (6.4) 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	VY021953.D	04/22/2025	13:39
VSTDICC010	VSTDICC010	VY021954.D	04/22/2025	14:44
VSTDICC020	VSTDICC020	VY021955.D	04/22/2025	15:07
VSTDICCC050	VSTDICCC050	VY021956.D	04/22/2025	15:29
VSTDICC100	VSTDICC100	VY021957.D	04/22/2025	15:52
VSTDICC150	VSTDICC150	VY021958.D	04/22/2025	16:15

Raw Data: **VY021961.D**

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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: POWE02

Lab Code: CHEM Case No.: Q1858 SAS No.: Q1858 SDG NO.: Q1858

Lab File ID: VY021961.D BFB Injection Date: 04/23/2025

Instrument ID: MSVOA_Y BFB Injection Time: 09:27

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	15.6
75	30.0 - 60.0% of mass 95	48.7
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.9
173	Less than 2.0% of mass 174	1.4 (1.7) 1
174	50.0 - 100.0% of mass 95	83.9
175	5.0 - 9.0% of mass 174	6.8 (8.1) 1
176	95.0 - 101.0% of mass 174	83 (99) 1
177	5.0 - 9.0% of mass 176	5.3 (6.4) 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	VY021962.D	04/23/2025	09:57
VY0423SBL01	VY0423SBL01	VY021963.D	04/23/2025	10:31
VY0423SBS01	VY0423SBS01	VY021964.D	04/23/2025	11:07
VY0423SBSD01	VY0423SBSD01	VY021965.D	04/23/2025	11:30
COMP-1	Q1858-01	VY021978.D	04/23/2025	17:47
COMP-2	Q1858-02	VY021979.D	04/23/2025	18:11
COMP-3	Q1858-03	VY021980.D	04/23/2025	18:34

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VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: POWE02

Lab Code: CHEM Case No.: Q1858 SAS No.: Q1858 SDG NO.: Q1858

Lab File ID: VY021962.D Date Analyzed: 04/23/2025

Instrument ID: MSVOA_Y Time Analyzed: 09:57

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	304636	7.71	465219	8.62	430304	11.42
UPPER LIMIT	609272	8.213	930438	9.116	860608	11.92
LOWER LIMIT	152318	7.213	232610	8.116	215152	10.92
EPA SAMPLE NO.						
COMP-1	320456	7.71	605358	8.62	542247	11.41
COMP-2	317972	7.71	595656	8.62	514825	11.41
COMP-3	306739	7.71	573313	8.62	503025	11.41
VY0423SBL01	319981	7.71	599033	8.62	525205	11.42
VY0423SBS01	295173	7.71	458305	8.62	417679	11.42
VY0423SBSD01	282902	7.71	449051	8.62	413807	11.41

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.: Q1858 SAS No.: Q1858 SDG NO.: Q1858

Lab File ID: VY021962.D Date Analyzed: 04/23/2025

Instrument ID: MSVOA_Y Time Analyzed: 09:57

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

	IS4 AREA #	RT #				
12 HOUR STD	227723	13.347				
UPPER LIMIT	455446	13.847				
LOWER LIMIT	113862	12.847				
EPA SAMPLE NO.						
COMP-1	216405	13.35				
COMP-2	191838	13.35				
COMP-3	189503	13.35				
VY0423SBL01	194434	13.35				
VY0423SBS01	221603	13.35				
VY0423SBSD01	217306	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: **VY021978.D**

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
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Report of Analysis

Client:	Kleinfelder	Date Collected:	04/21/25
Project:	Henry Lea School	Date Received:	04/22/25
Client Sample ID:	COMP-1	SDG No.:	Q1858
Lab Sample ID:	Q1858-01	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	83.9
Sample Wt/Vol:	4.23 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
VY021978.D	1		04/23/25 17:47	VY042325

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
156-59-2	cis-1,2-Dichloroethene	1.10	U	1.10	7.00	ug/Kg
71-55-6	1,1,1-Trichloroethane	1.30	U	1.30	7.00	ug/Kg
71-43-2	Benzene	1.10	U	1.10	7.00	ug/Kg
79-01-6	Trichloroethene	1.10	U	1.10	7.00	ug/Kg
108-88-3	Toluene	1.10	U	1.10	7.00	ug/Kg
100-41-4	Ethyl Benzene	0.94	U	0.94	7.00	ug/Kg
1330-20-7	Total Xylenes	2.90	U	2.90	21.1	ug/Kg
98-82-8	Isopropylbenzene	1.10	U	1.10	7.00	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	55.5		63 - 155	111%	SPK: 50
1868-53-7	Dibromofluoromethane	50.3		70 - 134	101%	SPK: 50
2037-26-5	Toluene-d8	48.6		74 - 123	97%	SPK: 50
460-00-4	4-Bromofluorobenzene	42.0		38 - 136	84%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	320000	7.707			
540-36-3	1,4-Difluorobenzene	605000	8.616			
3114-55-4	Chlorobenzene-d5	542000	11.414			
3855-82-1	1,4-Dichlorobenzene-d4	216000	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\VY042325\
Data File : VY021978.D
Acq On : 23 Apr 2025 17:47
Operator : SY/MD
Sample : Q1858-01
Misc : 4.23g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
COMP-1

Quant Time: Apr 24 03:47:30 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
Quant Title : SW846 8260
QLast Update : Wed Apr 23 02:30:30 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.707	168	320456	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	605358	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	542247	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	216405	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	164141	55.453	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 110.900%			
35) Dibromofluoromethane	7.634	113	201146	50.295	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 100.600%			
50) Toluene-d8	10.103	98	732703	48.596	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 97.200%			
62) 4-Bromofluorobenzene	12.402	95	213063	41.977	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 83.960%			

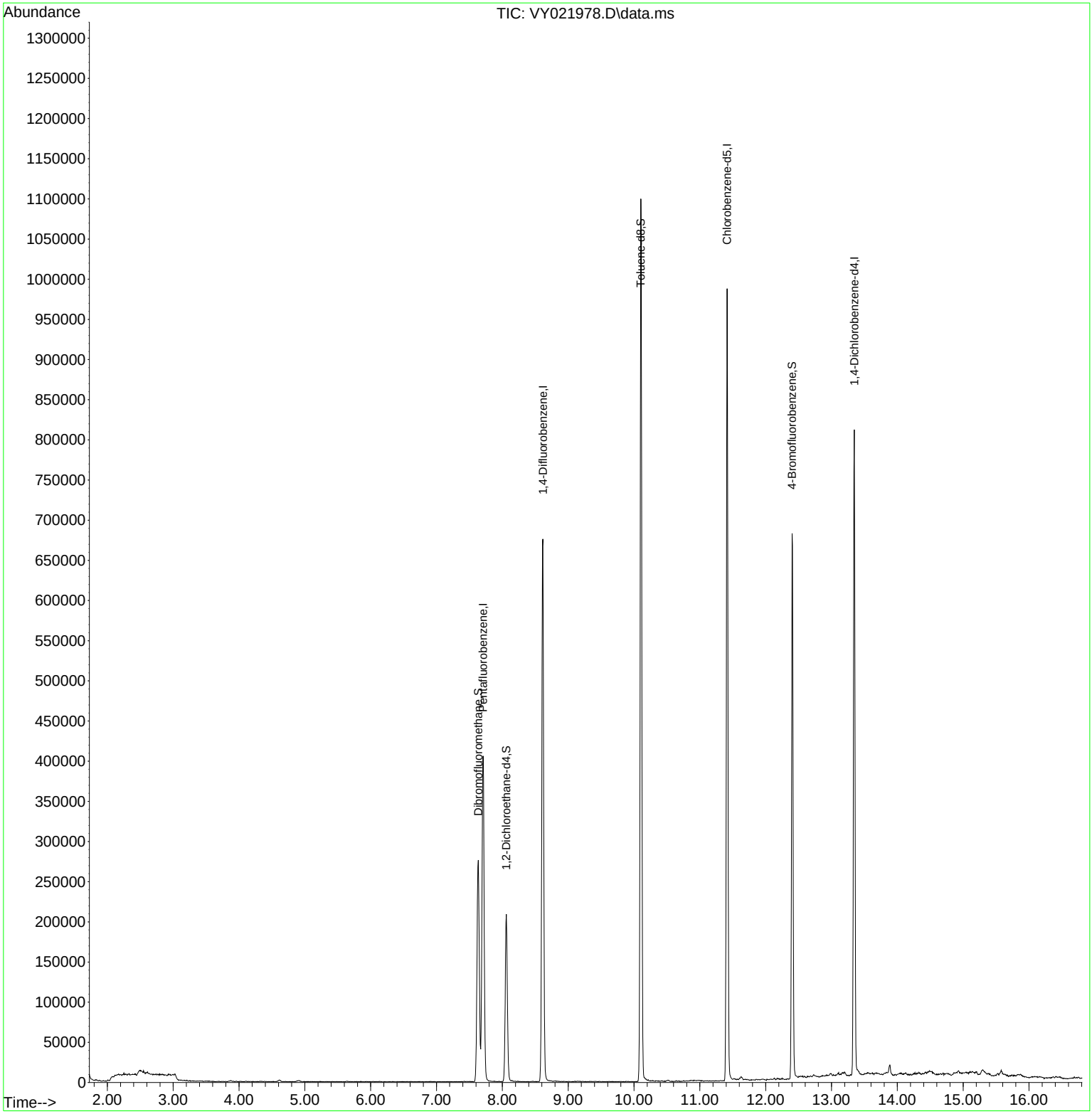
Target Compounds Qvalue

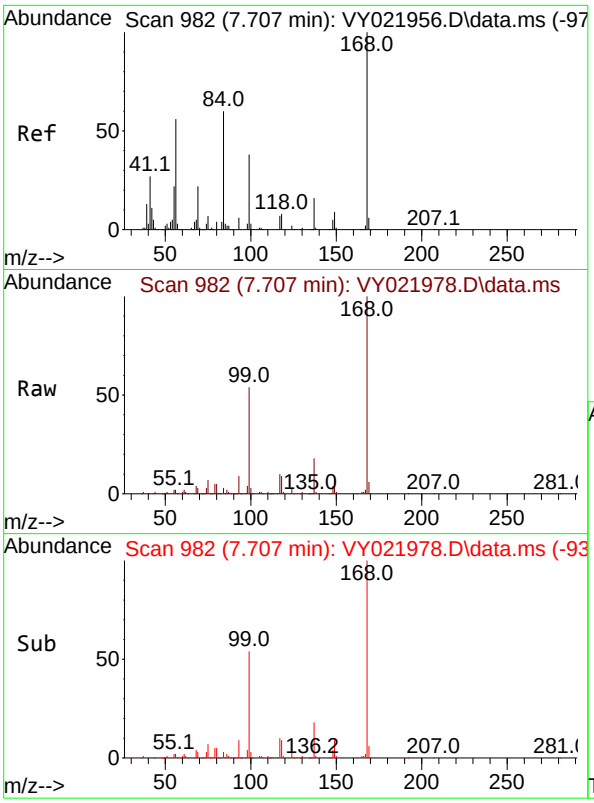
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY042325\
Data File : VY021978.D
Acq On : 23 Apr 2025 17:47
Operator : SY/MD
Sample : Q1858-01
Misc : 4.23g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
COMP-1

Quant Time: Apr 24 03:47:30 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
Quant Title : SW846 8260
QLast Update : Wed Apr 23 02:30:30 2025
Response via : Initial Calibration



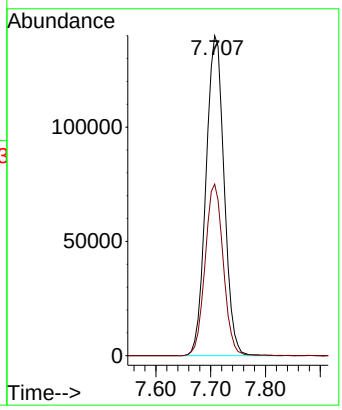


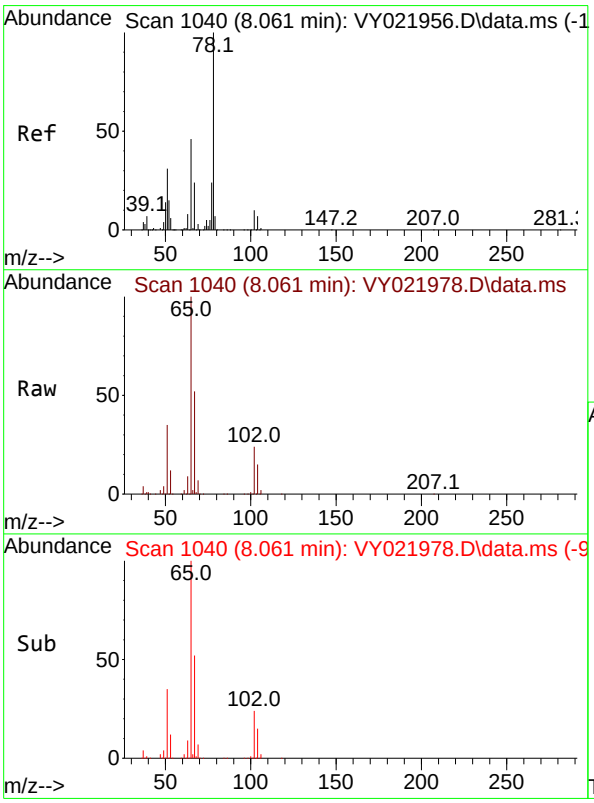
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY021978.D
Acq: 23 Apr 2025 17:47

Instrument :
MSVOA_Y
ClientSampleId :
COMP-1

Tgt Ion:168 Resp: 320456

Ion	Ratio	Lower	Upper
168	100		
99	53.6	43.1	64.7

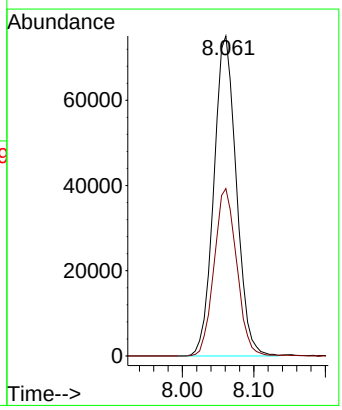


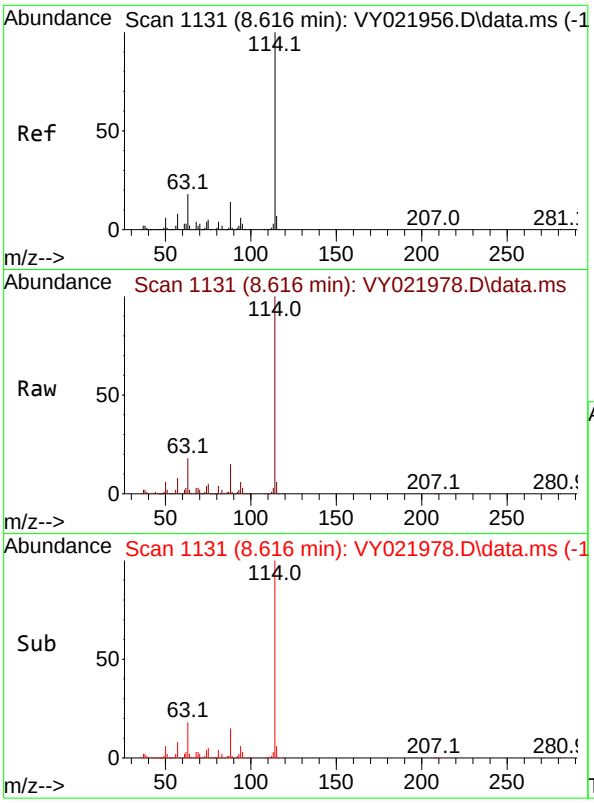


#33
1,2-Dichloroethane-d4
Concen: 55.453 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. -0.000 min
Lab File: VY021978.D
Acq: 23 Apr 2025 17:47

Tgt Ion: 65 Resp: 164141

Ion	Ratio	Lower	Upper
65	100		
67	52.7	0.0	105.8



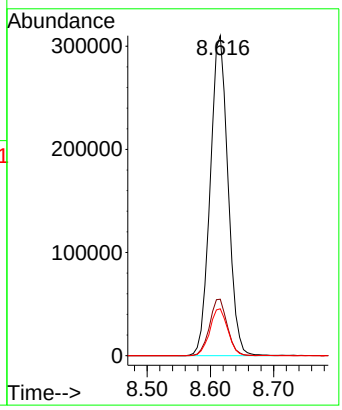


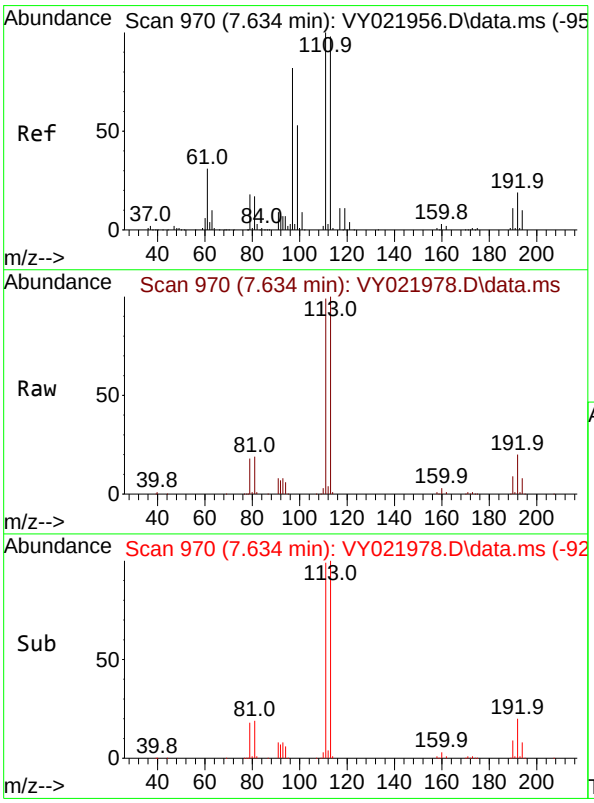
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY021978.D
Acq: 23 Apr 2025 17:47

Instrument :
MSVOA_Y
ClientSampleId :
COMP-1

Tgt Ion:114 Resp: 605358

Ion	Ratio	Lower	Upper
114	100		
63	17.7	0.0	35.4
88	14.6	0.0	28.2

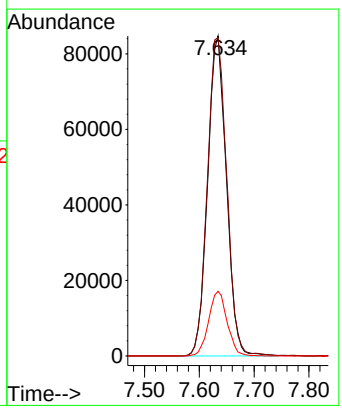


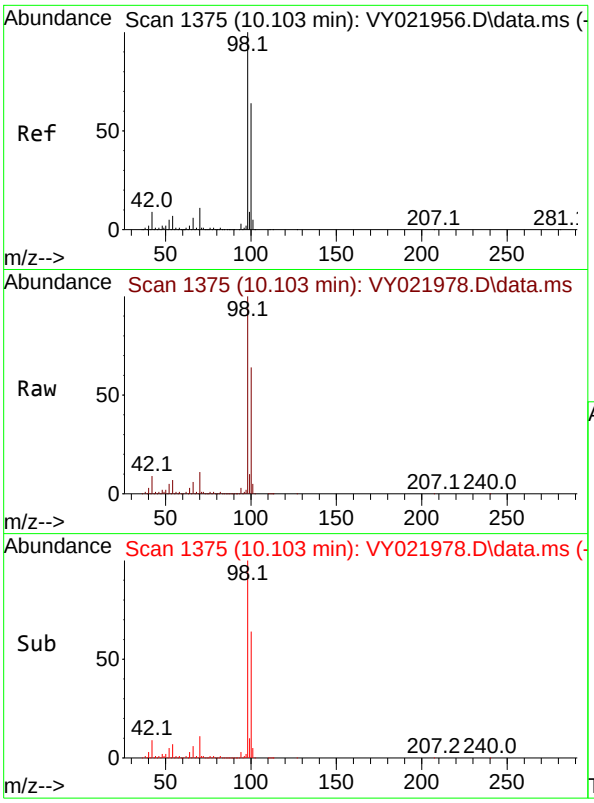


#35
Dibromofluoromethane
Concen: 50.295 ug/l
RT: 7.634 min Scan# 970
Delta R.T. -0.000 min
Lab File: VY021978.D
Acq: 23 Apr 2025 17:47

Tgt Ion:113 Resp: 201146

Ion	Ratio	Lower	Upper
113	100		
111	102.3	81.8	122.8
192	19.9	15.6	23.4



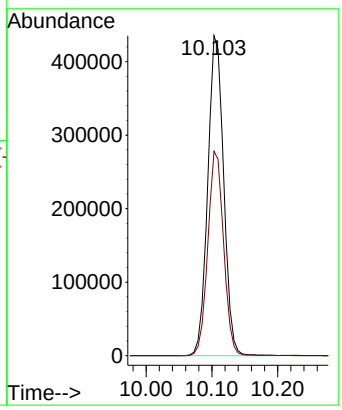


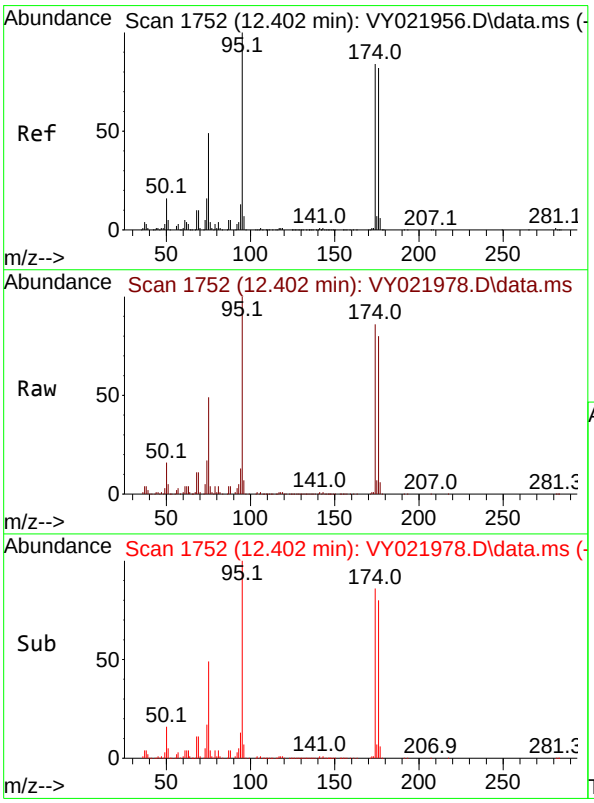
#50
Toluene-d8
Concen: 48.596 ug/l
RT: 10.103 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021978.D
Acq: 23 Apr 2025 17:47

Instrument :
MSVOA_Y
ClientSampleId :
COMP-1

Tgt Ion: 98 Resp: 732703

Ion	Ratio	Lower	Upper
98	100		
100	63.4	51.6	77.4

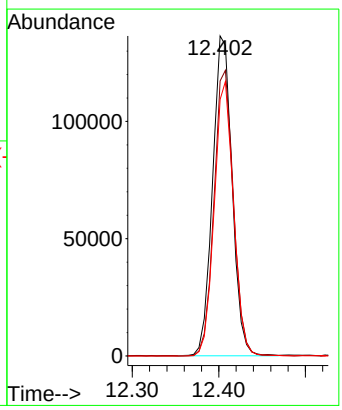


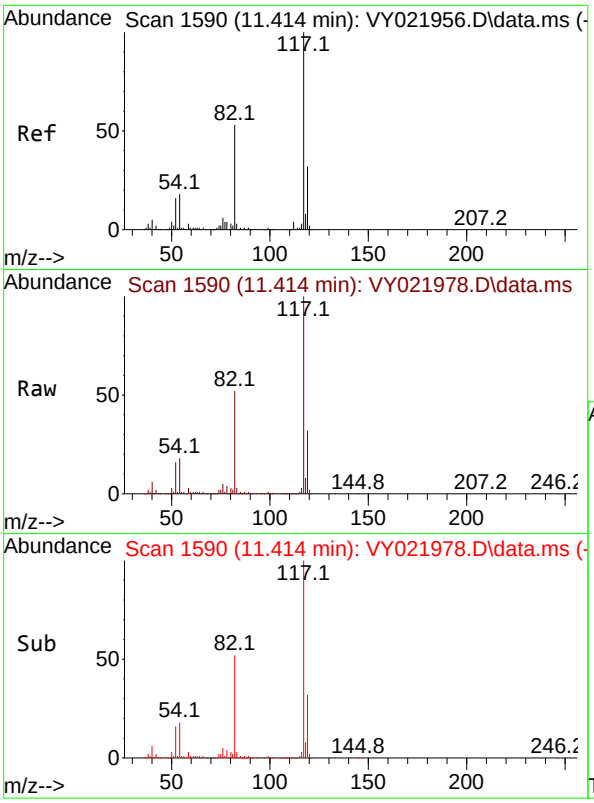


#62
4-Bromofluorobenzene
Concen: 41.977 ug/l
RT: 12.402 min Scan# 1752
Delta R.T. -0.000 min
Lab File: VY021978.D
Acq: 23 Apr 2025 17:47

Tgt Ion: 95 Resp: 213063

Ion	Ratio	Lower	Upper
95	100		
174	89.4	0.0	179.0
176	84.9	0.0	171.8



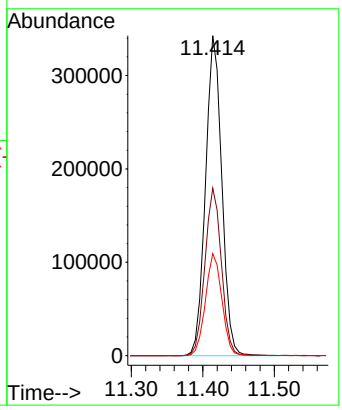


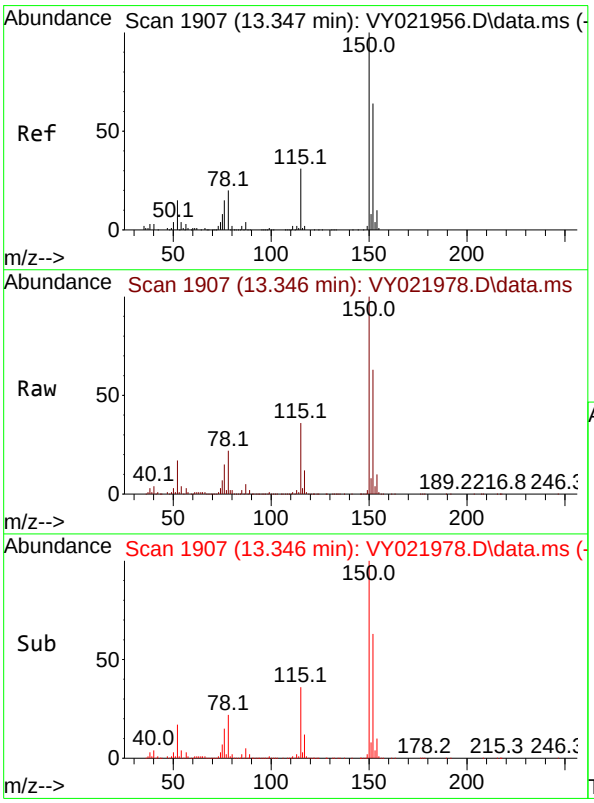
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021978.D
Acq: 23 Apr 2025 17:47

Instrument :
MSVOA_Y
ClientSampleId :
COMP-1

Tgt Ion:117 Resp: 542247

Ion	Ratio	Lower	Upper
117	100		
82	52.3	42.1	63.1
119	31.9	25.7	38.5

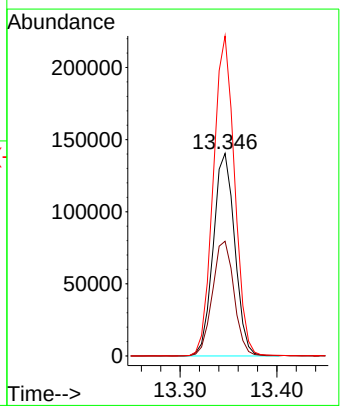




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1907
Delta R.T. -0.000 min
Lab File: VY021978.D
Acq: 23 Apr 2025 17:47

Tgt Ion:152 Resp: 216405

Ion	Ratio	Lower	Upper
152	100		
115	57.2	28.0	84.0
150	156.7	0.0	345.6



Raw Data: **VY021979.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:	04/21/25
Project:	Henry Lea School	Date Received:	04/22/25
Client Sample ID:	COMP-2	SDG No.:	Q1858
Lab Sample ID:	Q1858-02	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	81.3
Sample Wt/Vol:	4.53 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
VY021979.D	1		04/23/25 18:11	VY042325

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
156-59-2	cis-1,2-Dichloroethene	1.00	U	1.00	6.80	ug/Kg
71-55-6	1,1,1-Trichloroethane	1.30	U	1.30	6.80	ug/Kg
71-43-2	Benzene	1.10	U	1.10	6.80	ug/Kg
79-01-6	Trichloroethene	1.10	U	1.10	6.80	ug/Kg
108-88-3	Toluene	1.10	U	1.10	6.80	ug/Kg
100-41-4	Ethyl Benzene	0.91	U	0.91	6.80	ug/Kg
1330-20-7	Total Xylenes	2.80	U	2.80	20.4	ug/Kg
98-82-8	Isopropylbenzene	1.10	U	1.10	6.80	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	51.8		63 - 155	104%	SPK: 50
1868-53-7	Dibromofluoromethane	49.8		70 - 134	100%	SPK: 50
2037-26-5	Toluene-d8	48.0		74 - 123	96%	SPK: 50
460-00-4	4-Bromofluorobenzene	39.1		38 - 136	78%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	318000	7.707			
540-36-3	1,4-Difluorobenzene	596000	8.616			
3114-55-4	Chlorobenzene-d5	515000	11.414			
3855-82-1	1,4-Dichlorobenzene-d4	192000	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\VY042325\
Data File : VY021979.D
Acq On : 23 Apr 2025 18:11
Operator : SY/MD
Sample : Q1858-02
Misc : 4.53g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 19 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
COMP-2

Quant Time: Apr 24 03:47:40 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
Quant Title : SW846 8260
QLast Update : Wed Apr 23 02:30:30 2025
Response via : Initial Calibration

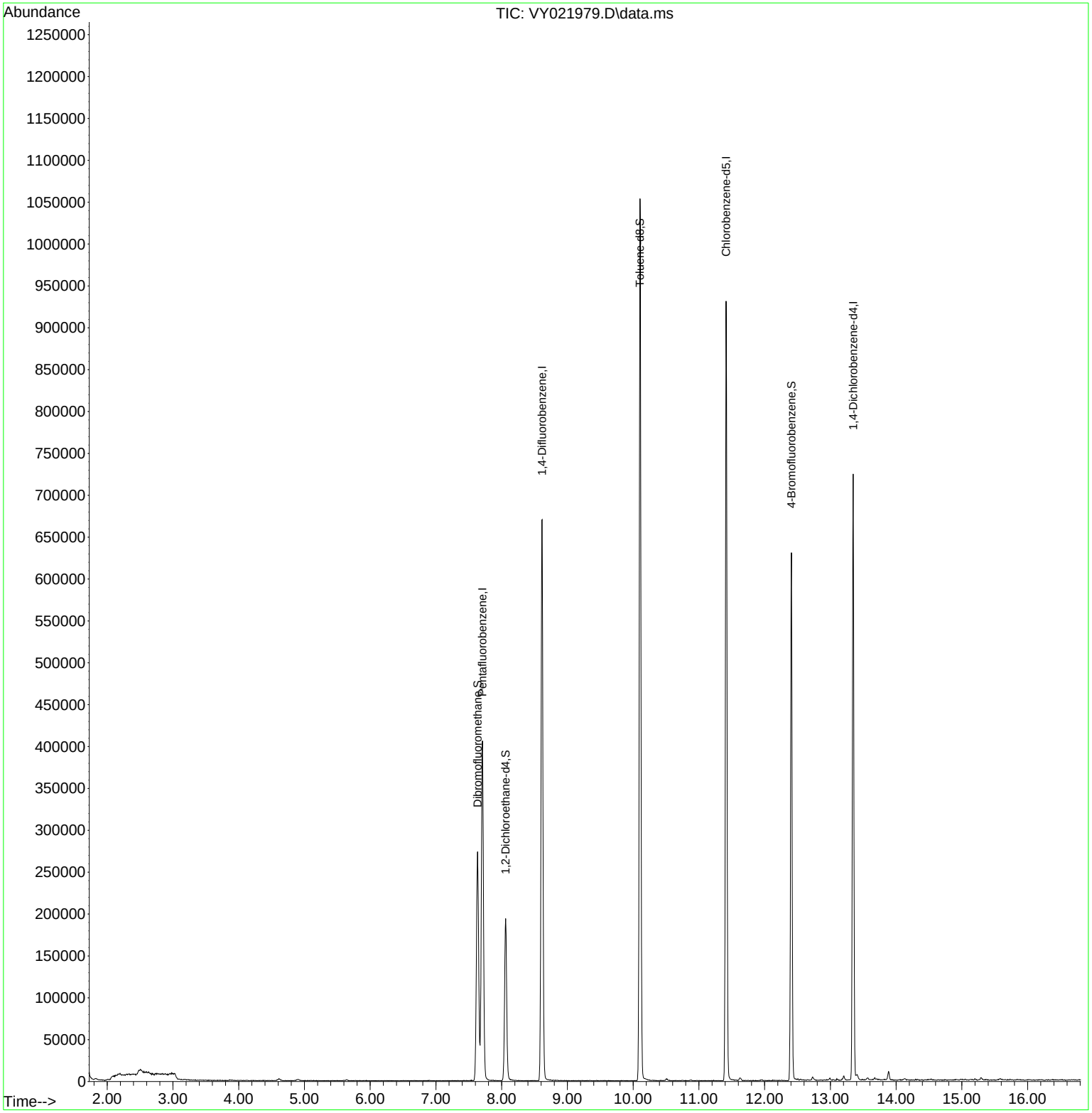
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.707	168	317972	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	595656	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	514825	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	191838	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	152225	51.829	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 103.660%			
35) Dibromofluoromethane	7.634	113	196146	49.844	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 99.680%			
50) Toluene-d8	10.103	98	712492	48.025	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 96.060%			
62) 4-Bromofluorobenzene	12.408	95	195322	39.109	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 78.220%			
Target Compounds						Qvalue

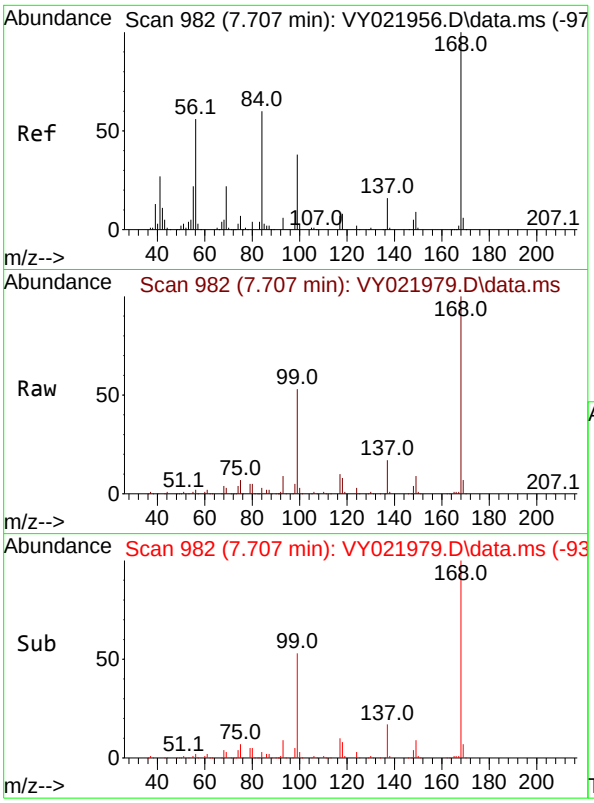
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY042325\
Data File : VY021979.D
Acq On : 23 Apr 2025 18:11
Operator : SY/MD
Sample : Q1858-02
Misc : 4.53g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 19 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
COMP-2

Quant Time: Apr 24 03:47:40 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
Quant Title : SW846 8260
QLast Update : Wed Apr 23 02:30:30 2025
Response via : Initial Calibration



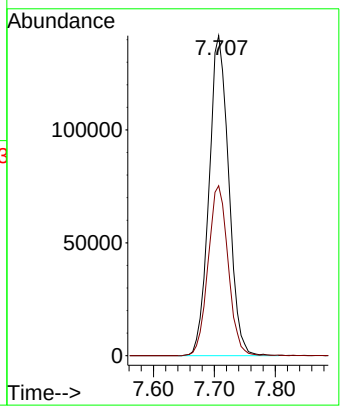


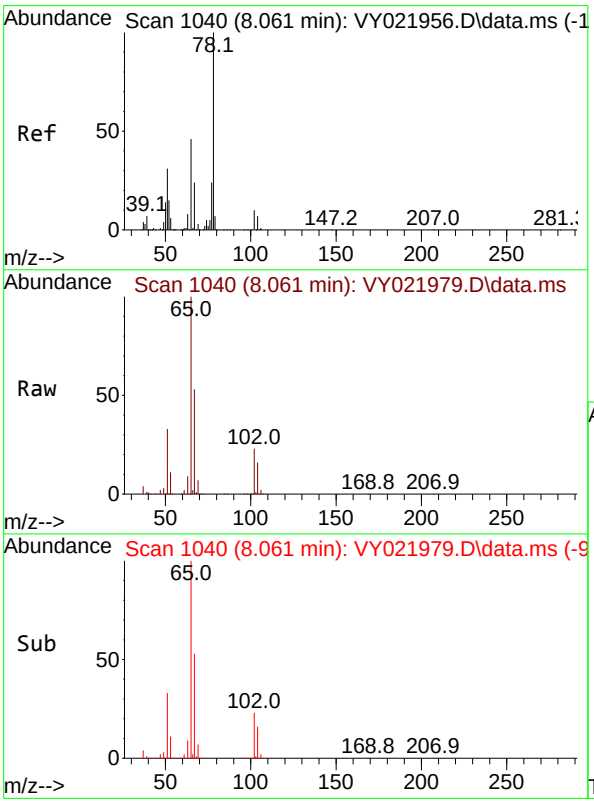
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY021979.D
Acq: 23 Apr 2025 18:11

Instrument :
MSVOA_Y
ClientSampleId :
COMP-2

Tgt Ion:168 Resp: 317972

Ion	Ratio	Lower	Upper
168	100		
99	53.1	43.1	64.7

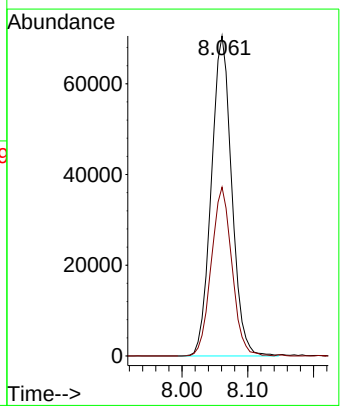


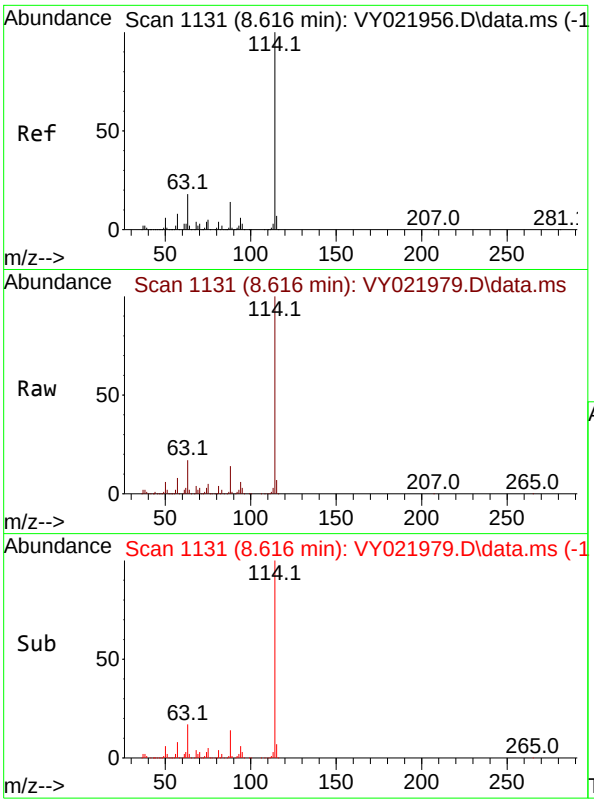


#33
1,2-Dichloroethane-d4
Concen: 51.829 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. -0.000 min
Lab File: VY021979.D
Acq: 23 Apr 2025 18:11

Tgt Ion: 65 Resp: 152225

Ion	Ratio	Lower	Upper
65	100		
67	53.4	0.0	105.8



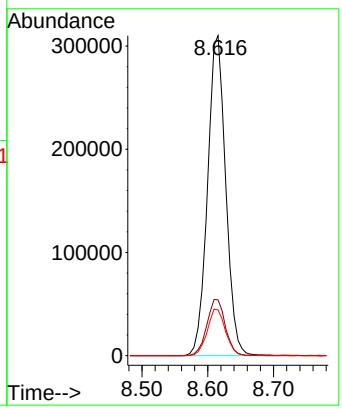


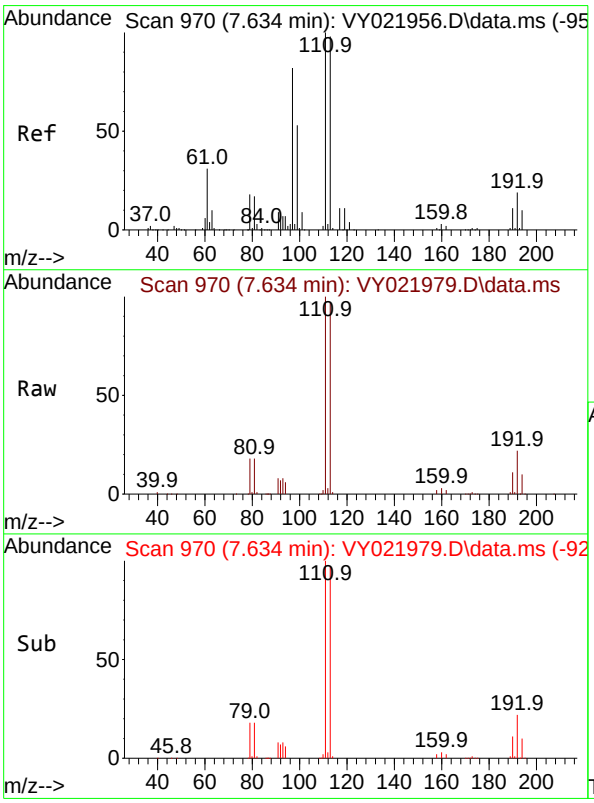
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY021979.D
Acq: 23 Apr 2025 18:11

Instrument :
MSVOA_Y
ClientSampleId :
COMP-2

Tgt Ion:114 Resp: 595656

Ion	Ratio	Lower	Upper
114	100		
63	17.5	0.0	35.4
88	14.3	0.0	28.2

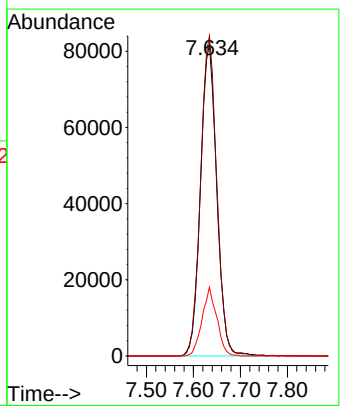


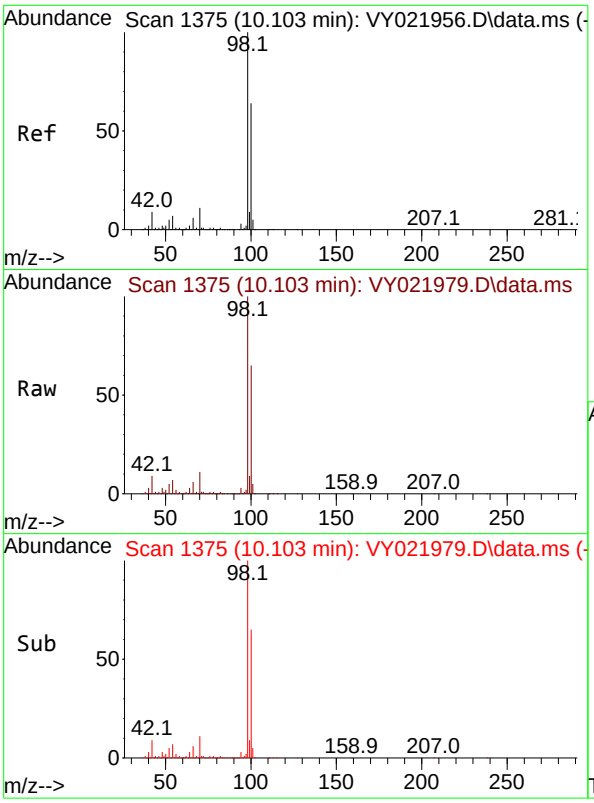


#35
Dibromofluoromethane
Concen: 49.844 ug/l
RT: 7.634 min Scan# 970
Delta R.T. -0.000 min
Lab File: VY021979.D
Acq: 23 Apr 2025 18:11

Tgt Ion:113 Resp: 196146

Ion	Ratio	Lower	Upper
113	100		
111	102.4	81.8	122.8
192	20.0	15.6	23.4



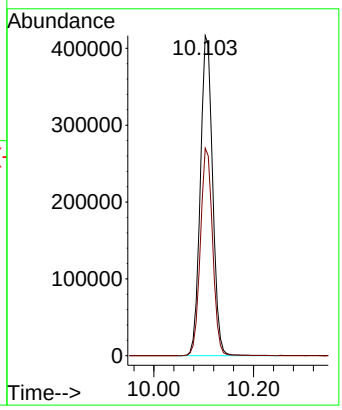


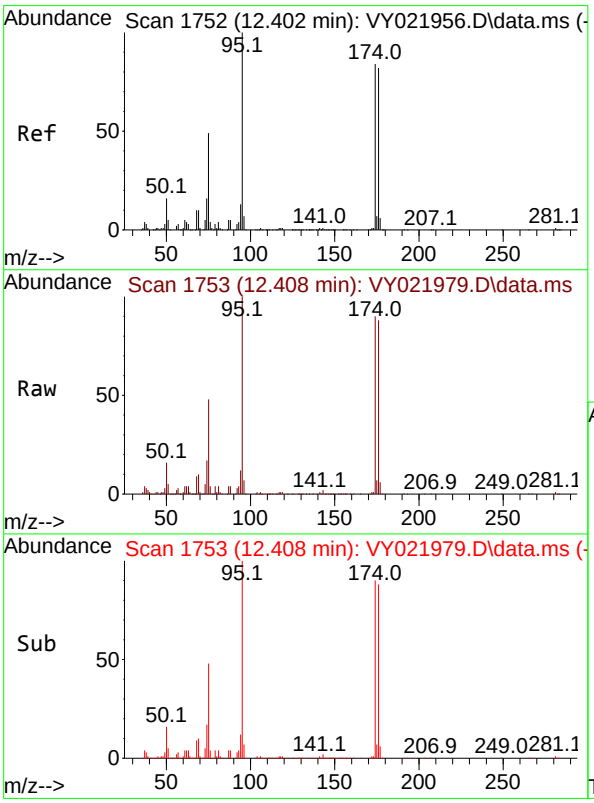
#50
Toluene-d8
Concen: 48.025 ug/l
RT: 10.103 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021979.D
Acq: 23 Apr 2025 18:11

Instrument :
MSVOA_Y
ClientSampleId :
COMP-2

Tgt Ion: 98 Resp: 712492

Ion	Ratio	Lower	Upper
98	100		
100	64.5	51.6	77.4

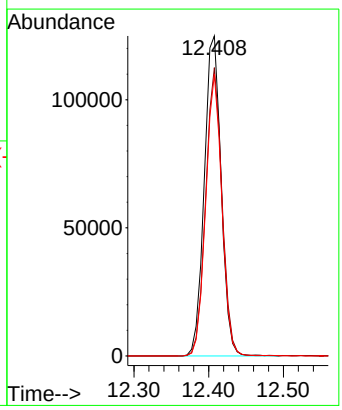


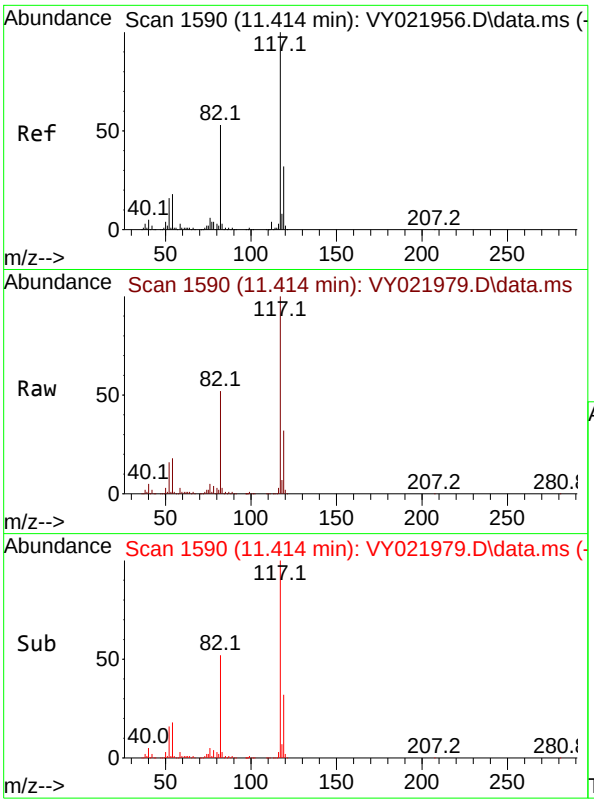


#62
4-Bromofluorobenzene
Concen: 39.109 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.006 min
Lab File: VY021979.D
Acq: 23 Apr 2025 18:11

Tgt Ion: 95 Resp: 195322

Ion	Ratio	Lower	Upper
95	100		
174	87.7	0.0	179.0
176	84.1	0.0	171.8



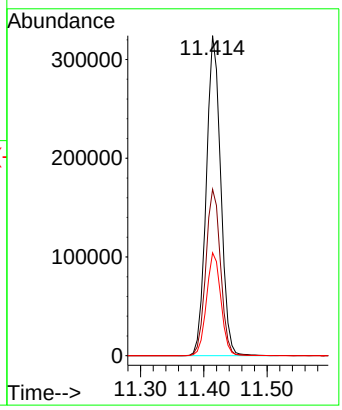


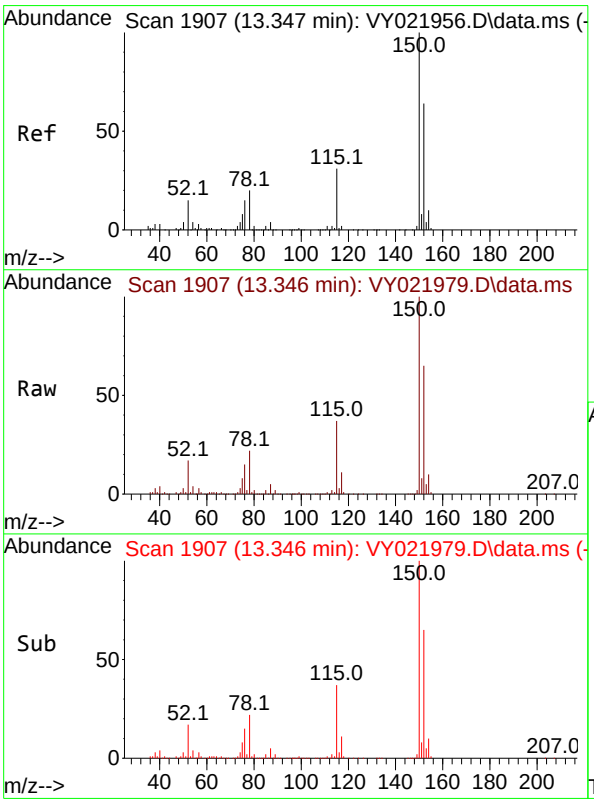
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021979.D
Acq: 23 Apr 2025 18:11

Instrument :
MSVOA_Y
ClientSampleId :
COMP-2

Tgt Ion:117 Resp: 514825

Ion	Ratio	Lower	Upper
117	100		
82	52.0	42.1	63.1
119	32.1	25.7	38.5

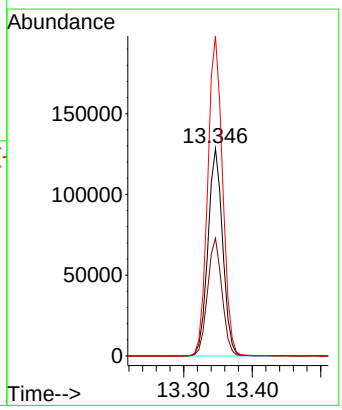




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1907
Delta R.T. -0.000 min
Lab File: VY021979.D
Acq: 23 Apr 2025 18:11

Tgt Ion:152 Resp: 191838

Ion	Ratio	Lower	Upper
152	100		
115	55.9	28.0	84.0
150	156.2	0.0	345.6



Raw Data: **VY021980.D**

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Report of Analysis

Client:	Kleinfelder	Date Collected:	04/21/25
Project:	Henry Lea School	Date Received:	04/22/25
Client Sample ID:	COMP-3	SDG No.:	Q1858
Lab Sample ID:	Q1858-03	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	91.1
Sample Wt/Vol:	3.86 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
VY021980.D	1		04/23/25 18:34	VY042325

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
156-59-2	cis-1,2-Dichloroethene	1.10	U	1.10	7.10	ug/Kg
71-55-6	1,1,1-Trichloroethane	1.30	U	1.30	7.10	ug/Kg
71-43-2	Benzene	1.10	U	1.10	7.10	ug/Kg
79-01-6	Trichloroethene	1.20	U	1.20	7.10	ug/Kg
108-88-3	Toluene	1.10	U	1.10	7.10	ug/Kg
100-41-4	Ethyl Benzene	0.95	U	0.95	7.10	ug/Kg
1330-20-7	Total Xylenes	3.00	U	3.00	21.3	ug/Kg
98-82-8	Isopropylbenzene	1.10	U	1.10	7.10	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	52.9		63 - 155	106%	SPK: 50
1868-53-7	Dibromofluoromethane	50.7		70 - 134	101%	SPK: 50
2037-26-5	Toluene-d8	48.1		74 - 123	96%	SPK: 50
460-00-4	4-Bromofluorobenzene	39.5		38 - 136	79%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	307000	7.707			
540-36-3	1,4-Difluorobenzene	573000	8.616			
3114-55-4	Chlorobenzene-d5	503000	11.414			
3855-82-1	1,4-Dichlorobenzene-d4	190000	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\VY042325\
Data File : VY021980.D
Acq On : 23 Apr 2025 18:34
Operator : SY/MD
Sample : Q1858-03
Misc : 3.86g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 20 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
COMP-3

Quant Time: Apr 24 03:47:50 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
Quant Title : SW846 8260
QLast Update : Wed Apr 23 02:30:30 2025
Response via : Initial Calibration

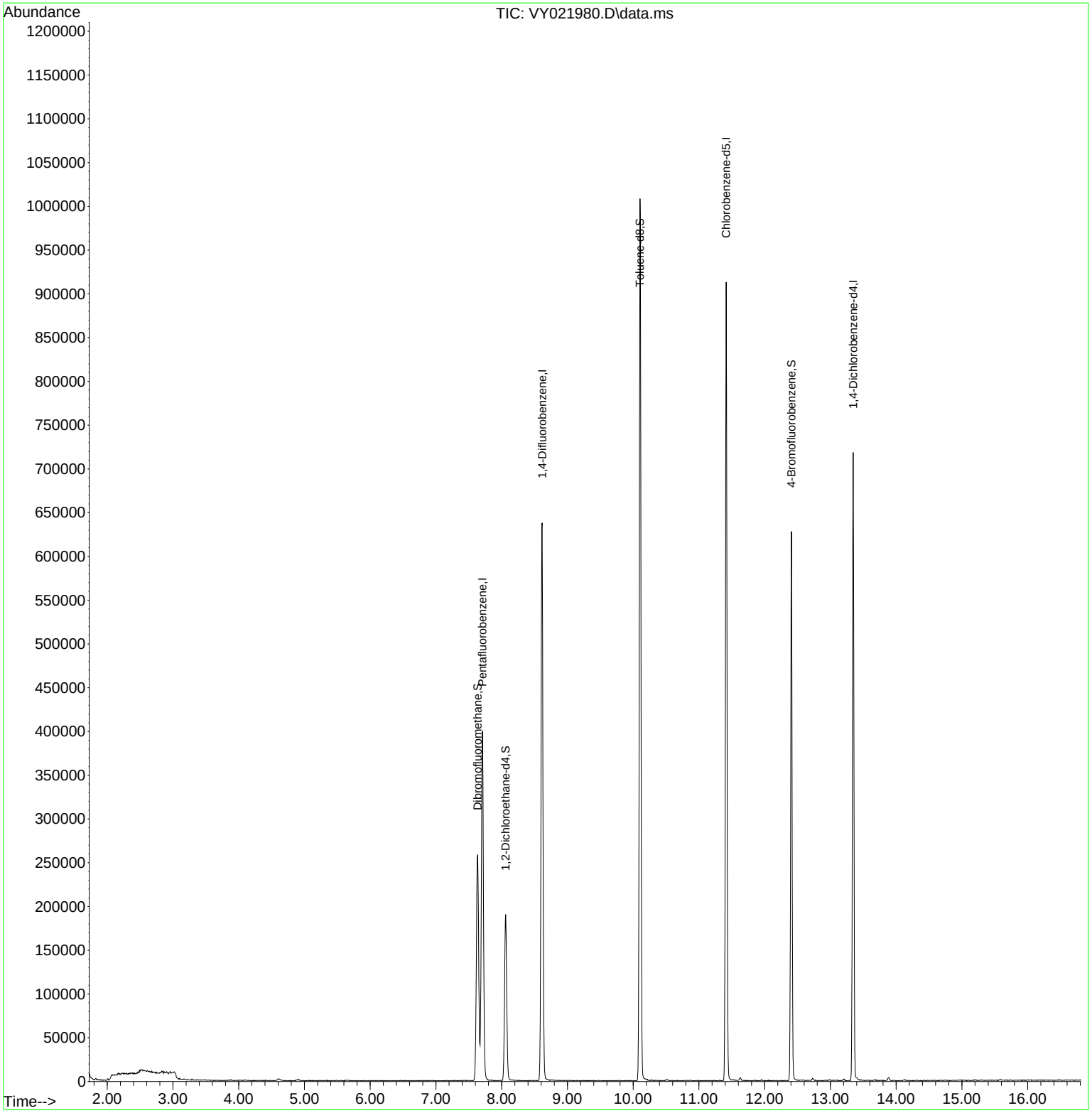
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.707	168	306739	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	573313	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	503025	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	189503	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	149825	52.880	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 105.760%			
35) Dibromofluoromethane	7.634	113	192042	50.703	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 101.400%			
50) Toluene-d8	10.103	98	686663	48.088	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 96.180%			
62) 4-Bromofluorobenzene	12.408	95	189650	39.453	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 78.900%			
Target Compounds						Qvalue

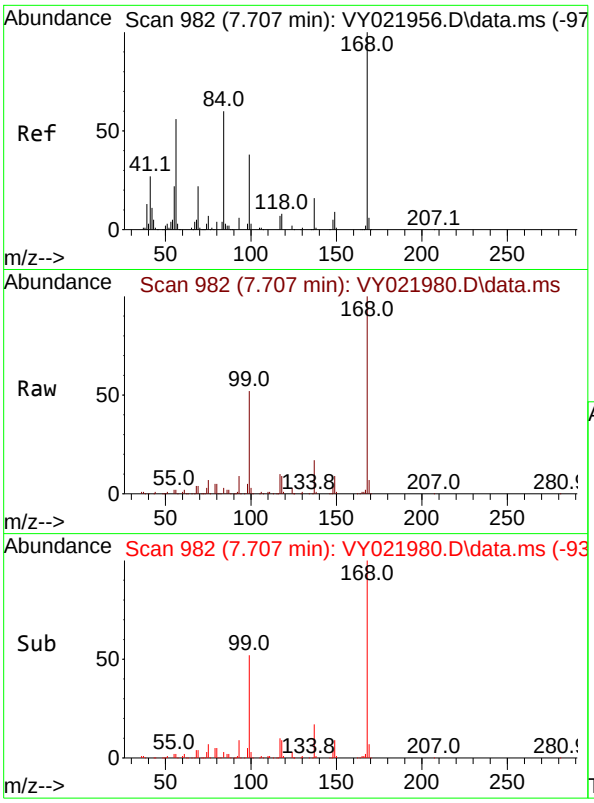
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY042325\
Data File : VY021980.D
Acq On : 23 Apr 2025 18:34
Operator : SY/MD
Sample : Q1858-03
Misc : 3.86g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 20 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
COMP-3

Quant Time: Apr 24 03:47:50 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
Quant Title : SW846 8260
QLast Update : Wed Apr 23 02:30:30 2025
Response via : Initial Calibration



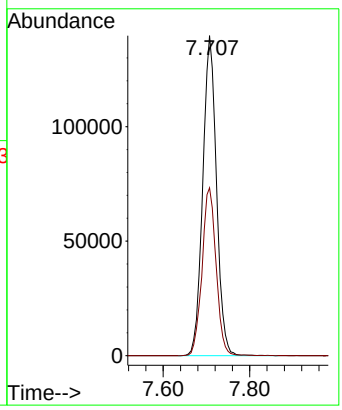


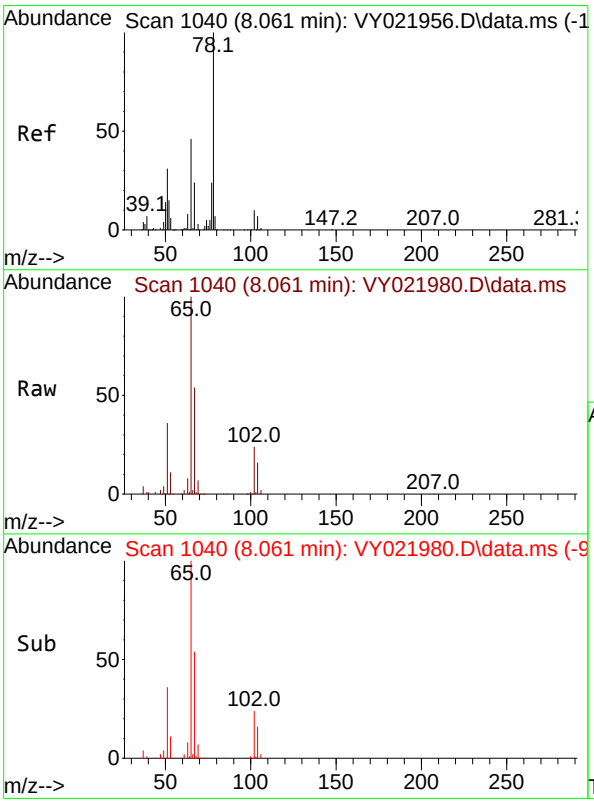
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY021980.D
Acq: 23 Apr 2025 18:34

Instrument :
MSVOA_Y
ClientSampleId :
COMP-3

Tgt Ion:168 Resp: 306739

Ion	Ratio	Lower	Upper
168	100		
99	52.5	43.1	64.7

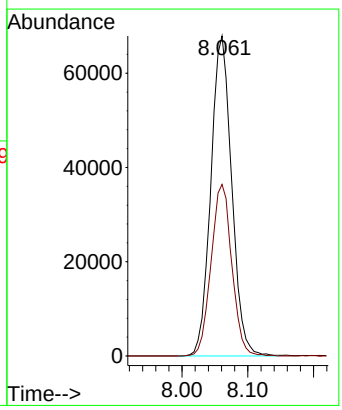


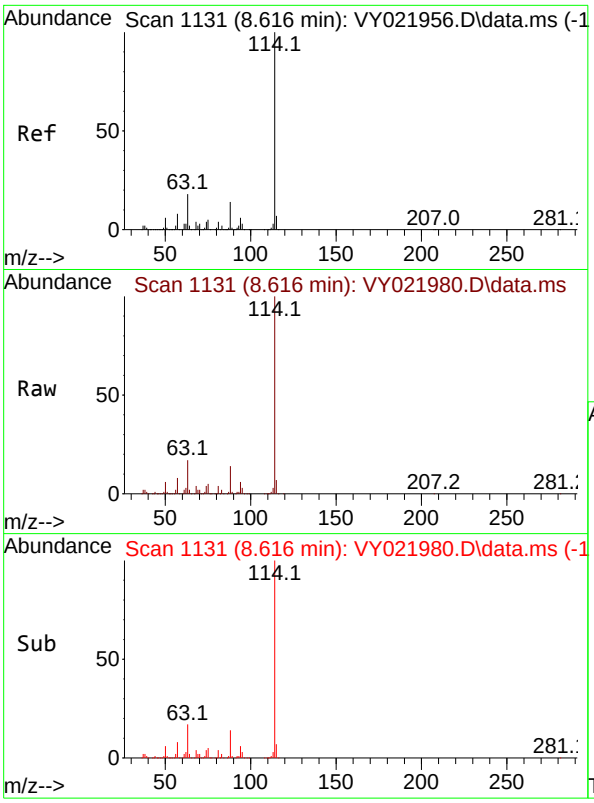


#33
1,2-Dichloroethane-d4
Concen: 52.880 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. -0.000 min
Lab File: VY021980.D
Acq: 23 Apr 2025 18:34

Tgt Ion: 65 Resp: 149825

Ion	Ratio	Lower	Upper
65	100		
67	53.4	0.0	105.8



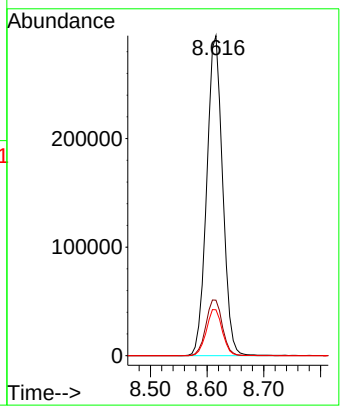


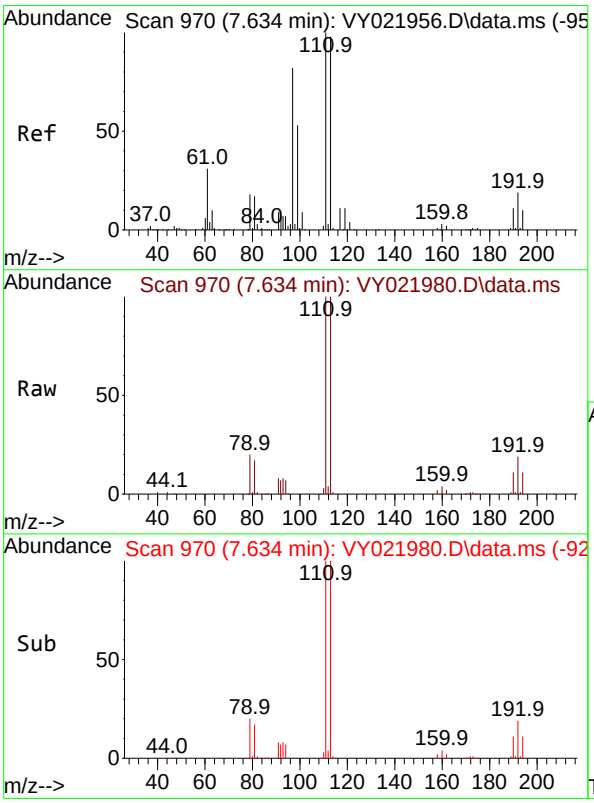
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY021980.D
Acq: 23 Apr 2025 18:34

Instrument :
MSVOA_Y
ClientSampleId :
COMP-3

Tgt Ion:114 Resp: 573313

Ion	Ratio	Lower	Upper
114	100		
63	17.3	0.0	35.4
88	14.4	0.0	28.2

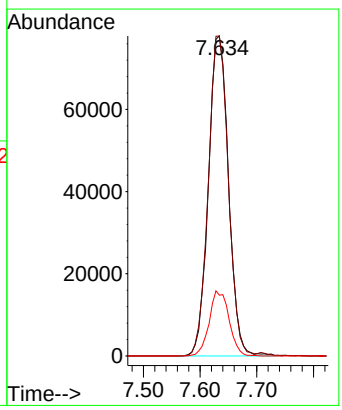


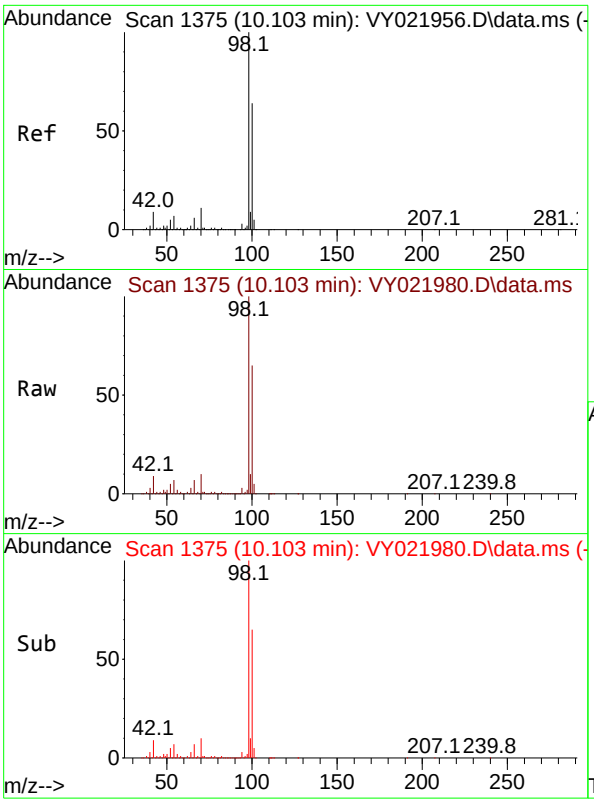


#35
Dibromofluoromethane
Concen: 50.703 ug/l
RT: 7.634 min Scan# 970
Delta R.T. -0.000 min
Lab File: VY021980.D
Acq: 23 Apr 2025 18:34

Tgt Ion:113 Resp: 192042

Ion	Ratio	Lower	Upper
113	100		
111	99.6	81.8	122.8
192	20.0	15.6	23.4



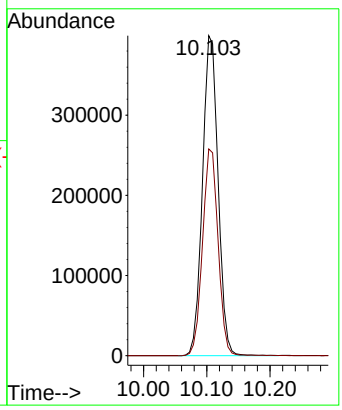


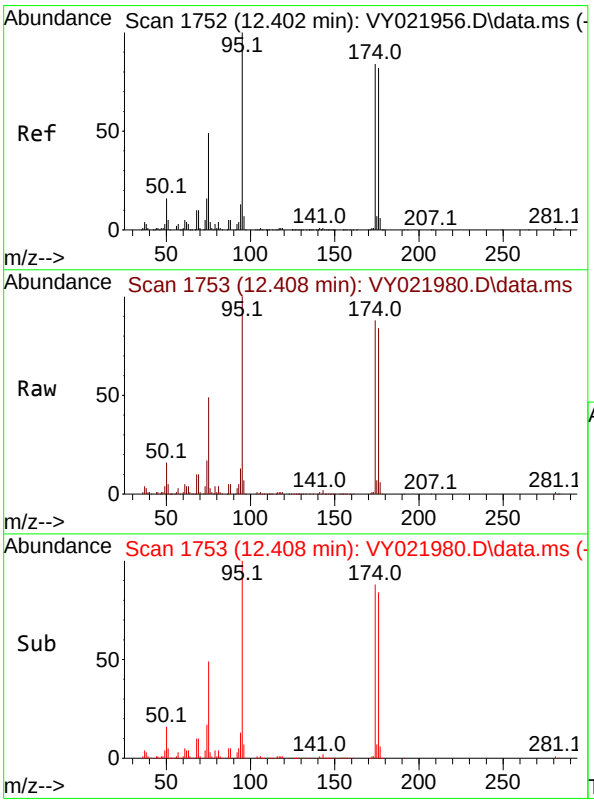
#50
Toluene-d8
Concen: 48.088 ug/l
RT: 10.103 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021980.D
Acq: 23 Apr 2025 18:34

Instrument :
MSVOA_Y
ClientSampleId :
COMP-3

Tgt Ion: 98 Resp: 686663

Ion	Ratio	Lower	Upper
98	100		
100	64.3	51.6	77.4

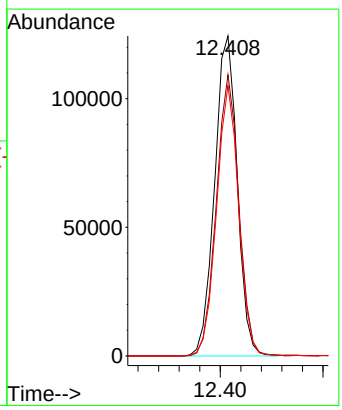


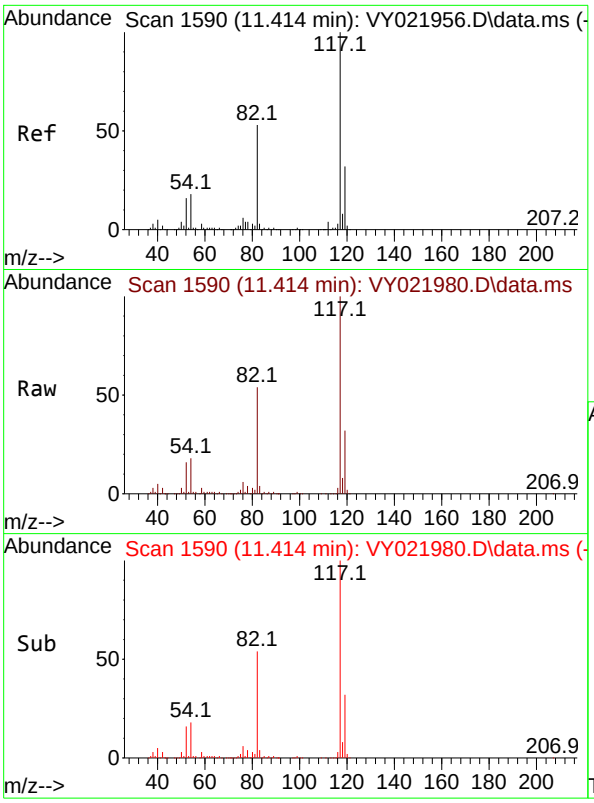


#62
4-Bromofluorobenzene
Concen: 39.453 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.006 min
Lab File: VY021980.D
Acq: 23 Apr 2025 18:34

Tgt Ion: 95 Resp: 189650

Ion	Ratio	Lower	Upper
95	100		
174	87.3	0.0	179.0
176	82.8	0.0	171.8



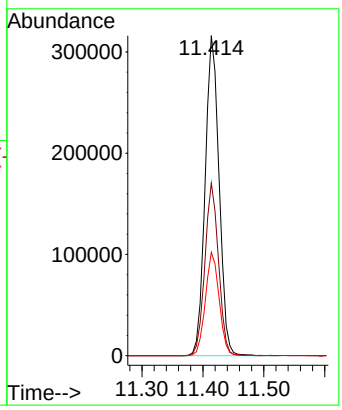


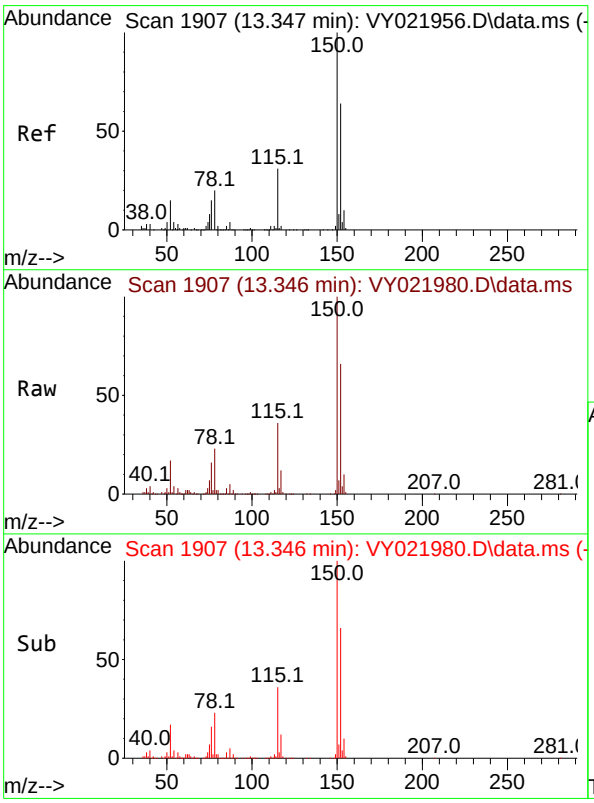
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021980.D
Acq: 23 Apr 2025 18:34

Instrument :
MSVOA_Y
ClientSampleId :
COMP-3

Tgt Ion:117 Resp: 503025

Ion	Ratio	Lower	Upper
117	100		
82	53.9	42.1	63.1
119	32.3	25.7	38.5

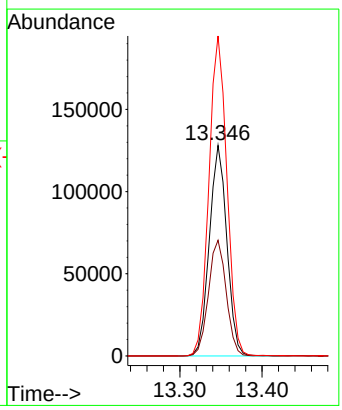




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1907
Delta R.T. -0.000 min
Lab File: VY021980.D
Acq: 23 Apr 2025 18:34

Tgt Ion:152 Resp: 189503

Ion	Ratio	Lower	Upper
152	100		
115	55.9	28.0	84.0
150	155.6	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.: Q1858 SAS No.: Q1858 SDG No.: Q1858

Instrument ID: MSVOA_Y Calibration Date(s): 04/22/2025 04/22/2025

Heated Purge: (Y/N) Y Calibration Time(s): 13:39 16:15

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

LAB FILE ID: RRF005 = VY021953.D RRF010 = VY021954.D RRF020 = VY021955.D
RRF050 = VY021956.D RRF100 = VY021957.D RRF150 = VY021958.D

COMPOUND	RRF005	RRF010	RRF020	RRF050	RRF100	RRF150	$\overline{RRF}$	% RSD
cis-1,2-Dichloroethene	0.626	0.638	0.604	0.612	0.633	0.621	0.622	2.1
1,1,1-Trichloroethane	0.972	0.944	0.896	0.853	0.865	0.846	0.896	5.8
Benzene	1.423	1.439	1.351	1.337	1.415	1.358	1.387	3.1
Trichloroethene	0.402	0.405	0.369	0.367	0.387	0.375	0.384	4.3
Toluene	0.838	0.915	0.875	0.894	0.952	0.913	0.898	4.4
Ethyl Benzene	1.693	1.840	1.718	1.835	1.990	1.898	1.829	6.1
m/p-Xylenes	0.664	0.720	0.699	0.734	0.797	0.754	0.728	6.3
o-Xylene	0.599	0.639	0.635	0.689	0.747	0.716	0.671	8.3
Isopropylbenzene	3.061	3.316	3.102	3.325	3.639	3.599	3.341	7.2
1,2-Dichloroethane-d4	0.525	0.477	0.459	0.466	0.418	0.427	0.462	8.3
Dibromofluoromethane	0.335	0.341	0.330	0.330	0.319	0.327	0.330	2.3
Toluene-d8	1.220	1.260	1.211	1.276	1.244	1.261	1.245	2
4-Bromofluorobenzene	0.408	0.429	0.401	0.426	0.423	0.428	0.419	2.8

* 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 : 82Y042225S.M
Title : SW846 8260
Last Update : Wed Apr 23 02:30:30 2025
Response Via : Initial Calibration

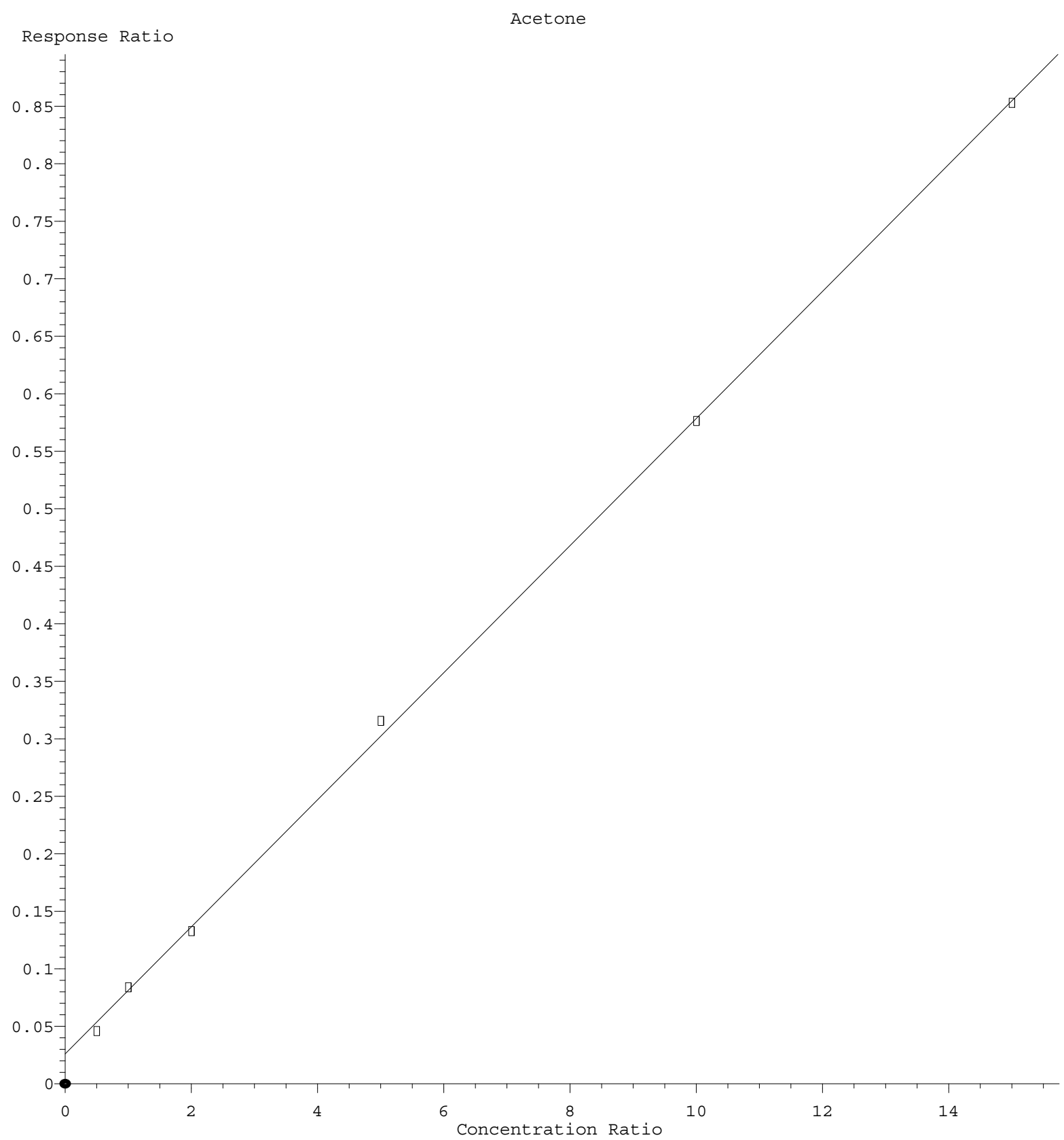
Calibration Files
5 =VY021953.D 10 =VY021954.D 20 =VY021955.D 50 =VY021956.D 100 =VY021957.D 150 =VY021958.D

		Compound	5	10	20	50	100	150	Avg	%RSD
1)	I	Pentafluorobenzene	----------ISTD----------							
2)	T	Dichlorodifluo...	0.469	0.477	0.405	0.393	0.408	0.405	0.426	8.66
3)	P	Chloromethane	0.704	0.670	0.636	0.602	0.529	0.498	0.607	13.24
4)	C	Vinyl Chloride	0.829	0.830	0.758	0.730	0.680	0.647	0.745	10.14#
5)	T	Bromomethane	0.782	0.697	0.674	0.596	0.554	0.550	0.642	14.29
6)	T	Chloroethane	0.589	0.550	0.524	0.494	0.460	0.429	0.508	11.60
7)	T	Trichlorofluor...	1.048	1.075	0.987	0.960	0.921	0.907	0.983	6.87
8)	T	Diethyl Ether	0.283	0.266	0.253	0.247	0.246	0.240	0.256	6.23
9)	T	1,1,2-Trichlor...	0.604	0.591	0.530	0.489	0.497	0.488	0.533	9.83
10)	T	Methyl Iodide	0.573	0.619	0.604	0.629	0.651	0.628	0.617	4.33
11)	T	Tert butyl alc...	0.027	0.024	0.027	0.026	0.023	0.025	0.025	6.35
12)	CM	1,1-Dichloroet...	0.525	0.532	0.483	0.471	0.487	0.484	0.497	5.05#
13)	T	Acrolein	0.053	0.045	0.051	0.042	0.040	0.042	0.046	11.55
14)	T	Allyl chloride	0.620	0.607	0.558	0.555	0.575	0.557	0.579	4.82
15)	T	Acrylonitrile	0.103	0.090	0.099	0.093	0.088	0.088	0.094	6.56
16)	T	Acetone	0.092	0.084	0.066	0.063	0.058	0.057	0.070	20.66
17)	T	Carbon Disulfide	1.736	1.737	1.569	1.493	1.516	1.459	1.585	7.75
18)	T	Methyl Acetate	0.214	0.200	0.231	0.223	0.208	0.219	0.216	5.16
19)	T	Methyl tert-bu...	1.098	1.067	1.102	1.133	1.141	1.134	1.113	2.57
20)	T	Methylene Chlo...	0.759	0.625	0.574	0.533	0.518	0.494	0.584	16.72
21)	T	trans-1,2-Dich...	0.619	0.578	0.533	0.532	0.546	0.532	0.557	6.29
22)	T	Diisopropyl ether	1.282	1.292	1.316	1.290	1.300	1.248	1.288	1.78
23)	T	Vinyl Acetate	0.657	0.684	0.700	0.716	0.713	0.694	0.694	3.15
24)	P	1,1-Dichloroet...	0.987	0.943	0.893	0.853	0.855	0.826	0.893	6.89
25)	T	2-Butanone	0.111	0.107	0.108	0.106	0.099	0.100	0.105	4.53
26)	T	2,2-Dichloropr...	0.841	0.830	0.763	0.743	0.770	0.748	0.782	5.42
27)	T	cis-1,2-Dichlo...	0.626	0.638	0.604	0.612	0.633	0.621	0.622	2.08
28)	T	Bromochloromet...	0.376	0.362	0.365	0.343	0.321	0.314	0.347	7.18
29)	T	Tetrahydrofuran	0.067	0.065	0.072	0.073	0.066	0.067	0.068	4.92
30)	C	Chloroform	1.084	1.046	0.974	0.956	0.958	0.925	0.990	6.17#
31)	T	Cyclohexane	0.836	0.857	0.738	0.708	0.730	0.711	0.763	8.59
32)	T	1,1,1-Trichlor...	0.972	0.944	0.896	0.853	0.865	0.846	0.896	5.78
33)	S	1,2-Dichloroet...	0.525	0.477	0.459	0.466	0.418	0.427	0.462	8.29
34)	I	1,4-Difluorobenzene	----------ISTD----------							
35)	S	Dibromofluorom...	0.335	0.341	0.330	0.330	0.319	0.327	0.330	2.34
36)	T	1,1-Dichloropr...	0.455	0.470	0.424	0.425	0.450	0.437	0.444	4.10
37)	T	Ethyl Acetate	0.166	0.161	0.163	0.161	0.153	0.151	0.159	3.67
38)	T	Carbon Tetrach...	0.540	0.563	0.512	0.507	0.535	0.523	0.530	3.90
39)	T	Methylcyclohexane	0.525	0.569	0.519	0.549	0.600	0.589	0.558	5.95
40)	TM	Benzene	1.423	1.439	1.351	1.337	1.415	1.358	1.387	3.14
41)	T	Methacrylonitrile	0.076	0.086	0.104	0.092	0.082	0.084	0.087	11.20
42)	TM	1,2-Dichloroet...	0.347	0.367	0.350	0.335	0.336	0.325	0.343	4.27
43)	T	Isopropyl Acetate	0.301	0.293	0.314	0.312	0.309	0.308	0.306	2.52
44)	TM	Trichloroethene	0.402	0.405	0.369	0.367	0.387	0.375	0.384	4.28
45)	C	1,2-Dichloropr...	0.320	0.317	0.302	0.300	0.308	0.294	0.307	3.36#
46)	T	Dibromomethane	0.202	0.193	0.192	0.187	0.191	0.187	0.192	2.95
47)	T	Bromodichlorom...	0.479	0.504	0.464	0.470	0.490	0.471	0.480	3.08
48)	T	Methyl methacr...	0.120	0.130	0.147	0.150	0.150	0.151	0.141	9.21
49)	T	1,4-Dioxane	0.002	0.002	0.002	0.002	0.002	0.002	0.002	5.90
50)	S	Toluene-d8	1.220	1.260	1.211	1.276	1.244	1.261	1.245	2.04
51)	T	4-Methyl-2-Pen...	0.144	0.149	0.167	0.172	0.166	0.165	0.160	6.94
52)	CM	Toluene	0.838	0.915	0.875	0.894	0.952	0.913	0.898	4.35#
53)	T	t-1,3-Dichloro...	0.383	0.408	0.399	0.417	0.437	0.425	0.411	4.70
54)	T	cis-1,3-Dichlo...	0.466	0.488	0.483	0.484	0.514	0.500	0.489	3.32
55)	T	1,1,2-Trichlor...	0.250	0.261	0.261	0.256	0.258	0.252	0.256	1.82
56)	T	Ethyl methacry...	0.234	0.259	0.290	0.316	0.332	0.329	0.293	13.69

Method Path : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\
Method File : 82Y042225S.M

57)	T	1,3-Dichloropr...	0.413	0.420	0.405	0.409	0.417	0.404	0.411	1.58
58)	T	2-Chloroethyl ...	0.118	0.121	0.146	0.161	0.154	0.161	0.143	13.40
59)	T	2-Hexanone	0.093	0.096	0.109	0.115	0.111	0.111	0.106	8.46
60)	T	Dibromochlorom...	0.345	0.355	0.354	0.352	0.367	0.357	0.355	1.96
61)	T	1,2-Dibromoethane	0.238	0.243	0.243	0.241	0.247	0.240	0.242	1.27
62)	S	4-Bromofluorob...	0.408	0.429	0.401	0.426	0.423	0.428	0.419	2.77
63)	I	Chlorobenzene-d5	----------ISTD----------							
64)	T	Tetrachloroethene	0.500	0.516	0.462	0.455	0.466	0.430	0.472	6.64
65)	PM	Chlorobenzene	1.188	1.152	1.055	1.083	1.139	1.092	1.118	4.46
66)	T	1,1,1,2-Tetrac...	0.401	0.409	0.376	0.386	0.401	0.388	0.394	3.12
67)	C	Ethyl Benzene	1.693	1.840	1.718	1.835	1.990	1.898	1.829	6.06#
68)	T	m/p-Xylenes	0.664	0.720	0.699	0.734	0.797	0.754	0.728	6.28
69)	T	o-Xylene	0.599	0.639	0.635	0.689	0.747	0.716	0.671	8.32
70)	T	Styrene	0.950	1.080	1.078	1.169	1.272	1.209	1.126	10.16
71)	P	Bromoform	0.234	0.221	0.224	0.229	0.236	0.229	0.229	2.48
72)	I	1,4-Dichlorobenzen...	----------ISTD----------							
73)	T	Isopropylbenzene	3.061	3.316	3.102	3.325	3.639	3.599	3.341	7.24
74)	T	N-amyl acetate	0.528	0.530	0.553	0.591	0.615	0.626	0.574	7.48
75)	P	1,1,2,2-Tetrac...	0.601	0.562	0.555	0.548	0.555	0.558	0.563	3.42
76)	T	1,2,3-Trichlor...	0.498	0.445	0.418	0.405	0.408	0.397	0.428	8.83
77)	T	Bromobenzene	0.855	0.831	0.780	0.828	0.890	0.881	0.844	4.76
78)	T	n-propylbenzene	3.708	3.996	3.778	3.977	4.258	4.152	3.978	5.30
79)	T	2-Chlorotoluene	2.253	2.343	2.179	2.280	2.435	2.391	2.314	4.07
80)	T	1,3,5-Trimethy...	2.467	2.757	2.614	2.800	2.978	2.898	2.752	6.80
81)	T	trans-1,4-Dich...	0.185	0.174	0.170	0.177	0.181	0.181	0.178	2.93
82)	T	4-Chlorotoluene	2.313	2.501	2.270	2.380	2.521	2.445	2.405	4.23
83)	T	tert-Butylbenzene	2.246	2.382	2.263	2.494	2.725	2.701	2.468	8.48
84)	T	1,2,4-Trimethy...	2.415	2.717	2.631	2.784	3.027	2.945	2.753	8.01
85)	T	sec-Butylbenzene	3.254	3.724	3.409	3.602	3.898	3.786	3.612	6.72
86)	T	p-Isopropyltol...	2.717	3.016	2.869	3.094	3.386	3.321	3.067	8.39
87)	T	1,3-Dichlorobe...	1.730	1.784	1.595	1.647	1.789	1.742	1.714	4.53
88)	T	1,4-Dichlorobe...	1.821	1.726	1.605	1.620	1.733	1.682	1.698	4.73
89)	T	n-Butylbenzene	2.477	2.790	2.545	2.742	2.976	2.919	2.742	7.24
90)	T	Hexachloroethane	0.715	0.710	0.614	0.638	0.689	0.677	0.674	6.01
91)	T	1,2-Dichlorobe...	1.523	1.522	1.434	1.452	1.537	1.505	1.495	2.84
92)	T	1,2-Dibromo-3-...	0.097	0.091	0.094	0.084	0.085	0.087	0.090	5.90
93)	T	1,2,4-Trichlor...	0.747	0.800	0.785	0.823	0.970	0.959	0.847	11.11
94)	T	Hexachlorobuta...	0.522	0.545	0.483	0.480	0.555	0.544	0.521	6.28
95)	T	Naphthalene	1.186	1.113	1.284	1.436	1.690	1.738	1.408	18.56
96)	T	1,2,3-Trichlor...	0.671	0.673	0.684	0.707	0.829	0.825	0.731	10.25

(#) = Out of Range



Response = 5.529e-002 * Amt + 2.582e-002
Coef of Det (r^2) = 0.999482 Curve Fit: Linear
Method Name: Z:\voasrv\HPCHEM1\MSVOA Y\methods\82Y042225S.M
Calibration Table Last Updated: Wed Apr 23 02:30:30 2025

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY042225\
Data File : VY021953.D
Acq On : 22 Apr 2025 13:39
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 :Semsettin Yesilyurt 04/23/2025
Supervised By :Mahesh Dadoda 04/23/2025

Quant Time: Apr 23 02:07:55 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
Quant Title : SW846 8260
QLast Update : Wed Apr 23 02:02:03 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.707	168	280613	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.615	114	462995	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	410723	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	205526	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	14719	5.679	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 11.360%#			
35) Dibromofluoromethane	7.634	113	15517	5.073	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 10.140%#			
50) Toluene-d8	10.109	98	56501	4.900	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 9.800%#			
62) 4-Bromofluorobenzene	12.407	95	18902	4.869	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 9.740%#			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.867	85	13157	5.503	ug/l	93
3) Chloromethane	2.068	50	19759	5.803	ug/l	92
4) Vinyl Chloride	2.202	62	23262	5.560	ug/l	98
5) Bromomethane	2.598	94	21956	6.091	ug/l	99
6) Chloroethane	2.732	64	16527	5.800	ug/l	90
7) Trichlorofluoromethane	3.055	101	29399	5.329	ug/l	93
8) Diethyl Ether	3.452	74	7949	5.536	ug/l	94
9) 1,1,2-Trichlorotrifluo...	3.818	101	16959	5.667	ug/l	97
10) Methyl Iodide	4.000	142	16072	4.638	ug/l	97
11) Tert butyl alcohol	4.866	59	3727m	26.192	ug/l	
12) 1,1-Dichloroethene	3.793	96	14742	5.285	ug/l	97
13) Acrolein	3.659	56	7419	29.049	ug/l	97
14) Allyl chloride	4.372	41	17385	5.352	ug/l	98
15) Acrylonitrile	5.055	53	14464	27.514	ug/l	97
16) Acetone	3.872	43	12844	18.039	ug/l #	83
17) Carbon Disulfide	4.104	76	48701	5.475	ug/l	98
18) Methyl Acetate	4.391	43	5994	4.951	ug/l	92
19) Methyl tert-butyl Ether	5.110	73	30819	4.936	ug/l	98
20) Methylene Chloride	4.610	84	21309	6.502	ug/l	98
21) trans-1,2-Dichloroethene	5.104	96	17357	5.556	ug/l	92
22) Diisopropyl ether	6.012	45	35963	4.975	ug/l	91
23) Vinyl Acetate	5.963	43	92152	23.655	ug/l	95
24) 1,1-Dichloroethane	5.915	63	27705	5.529	ug/l	98
25) 2-Butanone	6.896	43	15627	26.449	ug/l #	87
26) 2,2-Dichloropropane	6.890	77	23594	5.373	ug/l	99
27) cis-1,2-Dichloroethene	6.890	96	17569	5.029	ug/l	96
28) Bromochloromethane	7.244	49	10541	5.416	ug/l	98
29) Tetrahydrofuran	7.262	42	9424	24.559	ug/l	97
30) Chloroform	7.421	83	30418	5.473	ug/l	97
31) Cyclohexane	7.707	56	23446	5.472	ug/l #	77
32) 1,1,1-Trichloroethane	7.622	97	27271	5.424	ug/l	96
36) 1,1-Dichloropropene	7.829	75	21076	5.130	ug/l	96
37) Ethyl Acetate	6.982	43	7691m	5.283	ug/l	
38) Carbon Tetrachloride	7.811	117	25016	5.095	ug/l	97
39) Methylcyclohexane	9.109	83	24303	4.700	ug/l	97
40) Benzene	8.079	78	65878	5.129	ug/l	98

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY042225\
Data File : VY021953.D
Acq On : 22 Apr 2025 13:39
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 :Semsettin Yesilyurt 04/23/2025
Supervised By :Mahesh Dadoda 04/23/2025

Quant Time: Apr 23 02:07:55 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
Quant Title : SW846 8260
QLast Update : Wed Apr 23 02:02:03 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units		Dev(Min)
41) Methacrylonitrile	7.232	41	3506m	4.345 ug/l		
42) 1,2-Dichloroethane	8.158	62	16046	5.046 ug/l		96
43) Isopropyl Acetate	8.195	43	13940	4.919 ug/l	#	86
44) Trichloroethene	8.865	130	18611	5.231 ug/l		96
45) 1,2-Dichloropropane	9.146	63	14827	5.220 ug/l		99
46) Dibromomethane	9.231	93	9367	5.268 ug/l		96
47) Bromodichloromethane	9.420	83	22170	4.991 ug/l	#	96
48) Methyl methacrylate	9.225	41	5570	4.252 ug/l		94
49) 1,4-Dioxane	9.231	88	1703	89.863 ug/l	#	90
51) 4-Methyl-2-Pentanone	9.999	43	33298	22.414 ug/l		98
52) Toluene	10.170	92	38784	4.665 ug/l		97
53) t-1,3-Dichloropropene	10.396	75	17712	4.649 ug/l	#	87
54) cis-1,3-Dichloropropene	9.853	75	21582	4.765 ug/l		92
55) 1,1,2-Trichloroethane	10.572	97	11582	4.877 ug/l		94
56) Ethyl methacrylate	10.444	69	10816	3.982 ug/l		96
57) 1,3-Dichloropropane	10.719	76	19113	5.020 ug/l		98
58) 2-Chloroethyl Vinyl ether	9.713	63	27363	20.606 ug/l		100
59) 2-Hexanone	10.761	43	21558	22.001 ug/l		92
60) Dibromochloromethane	10.914	129	15992	4.863 ug/l		97
61) 1,2-Dibromoethane	11.017	107	11020	4.915 ug/l		98
64) Tetrachloroethene	10.646	164	20545	5.302 ug/l		91
65) Chlorobenzene	11.444	112	48805	5.314 ug/l		94
66) 1,1,1,2-Tetrachloroethane	11.517	131	16483	5.097 ug/l		98
67) Ethyl Benzene	11.517	91	69548	4.629 ug/l		97
68) m/p-Xylenes	11.627	106	54518	9.119 ug/l		100
69) o-Xylene	11.956	106	24611	4.466 ug/l		98
70) Styrene	11.969	104	39016	4.217 ug/l		97
71) Bromoform	12.133	173	9608	5.111 ug/l	#	98
73) Isopropylbenzene	12.255	105	62917	4.582 ug/l		97
74) N-amyl acetate	12.072	43	10843	4.596 ug/l		97
75) 1,1,2,2-Tetrachloroethane	12.505	83	12362	5.340 ug/l		99
76) 1,2,3-Trichloropropane	12.554	75	10228m	5.648 ug/l		
77) Bromobenzene	12.535	156	17570	5.064 ug/l		100
78) n-propylbenzene	12.596	91	76210	4.660 ug/l		100
79) 2-Chlorotoluene	12.682	91	46298	4.868 ug/l		99
80) 1,3,5-Trimethylbenzene	12.737	105	50699	4.481 ug/l		99
81) trans-1,4-Dichloro-2-b...	12.304	75	3795	5.191 ug/l		98
82) 4-Chlorotoluene	12.779	91	47541	4.809 ug/l		98
83) tert-Butylbenzene	12.999	119	46171	4.550 ug/l		99
84) 1,2,4-Trimethylbenzene	13.048	105	49642	4.387 ug/l		99
85) sec-Butylbenzene	13.176	105	66872	4.504 ug/l		99
86) p-Isopropyltoluene	13.291	119	55850	4.430 ug/l		99
87) 1,3-Dichlorobenzene	13.285	146	35553	5.045 ug/l		99
88) 1,4-Dichlorobenzene	13.365	146	37426	5.362 ug/l		95
89) n-Butylbenzene	13.621	91	50918	4.518 ug/l		99
90) Hexachloroethane	13.883	117	14703	5.308 ug/l		99
91) 1,2-Dichlorobenzene	13.657	146	31298	5.092 ug/l		98
92) 1,2-Dibromo-3-Chloropr...	14.273	75	2000	5.430 ug/l		86
93) 1,2,4-Trichlorobenzene	14.919	180	15346	4.406 ug/l		94
94) Hexachlorobutadiene	15.023	225	10723	5.004 ug/l		98
95) Naphthalene	15.145	128	24368	4.212 ug/l		97
96) 1,2,3-Trichlorobenzene	15.328	180	13785	4.585 ug/l		99

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY042225\
Data File : VY021953.D
Acq On : 22 Apr 2025 13:39
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 :Semsettin Yesilyurt 04/23/2025
Supervised By :Mahesh Dadoda 04/23/2025

Quant Time: Apr 23 02:07:55 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
Quant Title : SW846 8260
QLast Update : Wed Apr 23 02:02:03 2025
Response via : Initial Calibration

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

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

ICAL Form

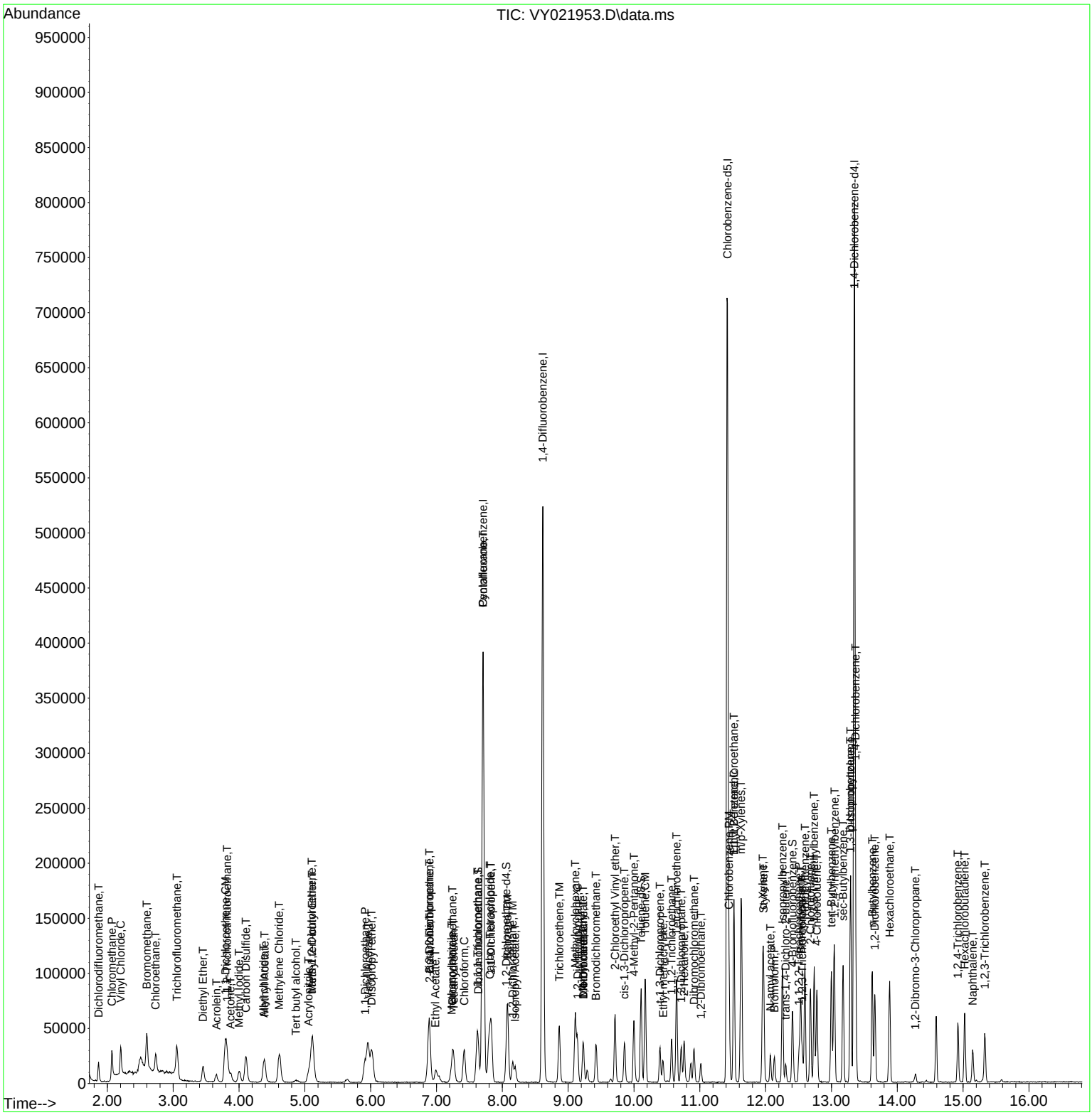
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY042225\
Data File : VY021953.D
Acq On : 22 Apr 2025 13:39
Operator : SY/MD
Sample : VSTDICC005
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Apr 23 02:07:55 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
Quant Title : SW846 8260
QLast Update : Wed Apr 23 02:02:03 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 04/23/2025
Supervised By :Mahesh Dadoda 04/23/2025



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY042225\
Data File : VY021954.D
Acq On : 22 Apr 2025 14:44
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 :Semsettin Yesilyurt 04/23/2025
Supervised By :Mahesh Dadoda 04/23/2025

Quant Time: Apr 23 02:08:59 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
Quant Title : SW846 8260
QLast Update : Wed Apr 23 02:02:03 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.707	168	292096	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.615	114	462235	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	418471	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	217358	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	27856	10.325	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	20.640%#		
35) Dibromofluoromethane	7.634	113	31560	10.335	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	20.660%#		
50) Toluene-d8	10.103	98	116480	10.118	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	20.240%#		
62) 4-Bromofluorobenzene	12.407	95	39704	10.244	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	20.480%#		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.867	85	27882	11.202	ug/l	95
3) Chloromethane	2.068	50	39169	11.052	ug/l	91
4) Vinyl Chloride	2.202	62	48475	11.131	ug/l	98
5) Bromomethane	2.598	94	40742	10.859	ug/l	98
6) Chloroethane	2.732	64	32122	10.830	ug/l	95
7) Trichlorofluoromethane	3.055	101	62819	10.939	ug/l	94
8) Diethyl Ether	3.452	74	15517	10.381	ug/l	97
9) 1,1,2-Trichlorotrifluo...	3.811	101	34542	11.088	ug/l	99
10) Methyl Iodide	4.000	142	36146	10.021	ug/l	99
11) Tert butyl alcohol	4.866	59	7087	47.846	ug/l	95
12) 1,1-Dichloroethene	3.787	96	31073	10.701	ug/l	94
13) Acrolein	3.647	56	13091	49.243	ug/l	96
14) Allyl chloride	4.378	41	35457	10.487	ug/l	97
15) Acrylonitrile	5.055	53	26314	48.088	ug/l	96
16) Acetone	3.872	43	24497	52.492	ug/l	99
17) Carbon Disulfide	4.104	76	101496	10.962	ug/l	96
18) Methyl Acetate	4.378	43	11687	9.273	ug/l	99
19) Methyl tert-butyl Ether	5.116	73	62306	9.587	ug/l	96
20) Methylene Chloride	4.610	84	36539	10.710	ug/l	95
21) trans-1,2-Dichloroethene	5.110	96	33752	10.379	ug/l	97
22) Diisopropyl ether	6.012	45	75451	10.028	ug/l	94
23) Vinyl Acetate	5.957	43	199753	49.260	ug/l	99
24) 1,1-Dichloroethane	5.915	63	55067	10.558	ug/l	97
25) 2-Butanone	6.890	43	31349	50.973	ug/l	100
26) 2,2-Dichloropropane	6.884	77	48501	10.610	ug/l	99
27) cis-1,2-Dichloroethene	6.890	96	37281	10.253	ug/l	99
28) Bromochloromethane	7.238	49	21122	10.426	ug/l	99
29) Tetrahydrofuran	7.262	42	18883	47.274	ug/l	100
30) Chloroform	7.414	83	61088	10.559	ug/l	99
31) Cyclohexane	7.701	56	50083	11.229	ug/l #	96
32) 1,1,1-Trichloroethane	7.616	97	55163	10.540	ug/l	97
36) 1,1-Dichloropropene	7.835	75	43496	10.604	ug/l	98
37) Ethyl Acetate	6.982	43	14895m	10.248	ug/l	
38) Carbon Tetrachloride	7.817	117	52079	10.625	ug/l	100
39) Methylcyclohexane	9.109	83	52625	10.194	ug/l	95
40) Benzene	8.079	78	133010	10.373	ug/l	97

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY042225\
Data File : VY021954.D
Acq On : 22 Apr 2025 14:44
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 :Semsettin Yesilyurt 04/23/2025
Supervised By :Mahesh Dadoda 04/23/2025

Quant Time: Apr 23 02:08:59 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
Quant Title : SW846 8260
QLast Update : Wed Apr 23 02:02:03 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.225	41	7906m	9.813	ug/l		
42) 1,2-Dichloroethane	8.152	62	33939	10.690	ug/l		99
43) Isopropyl Acetate	8.195	43	27087	9.574	ug/l		98
44) Trichloroethene	8.865	130	37414	10.534	ug/l		91
45) 1,2-Dichloropropane	9.140	63	29327	10.342	ug/l		98
46) Dibromomethane	9.231	93	17848	10.055	ug/l		98
47) Bromodichloromethane	9.420	83	46552	10.498	ug/l		97
48) Methyl methacrylate	9.219	41	12035	9.202	ug/l		97
49) 1,4-Dioxane	9.231	88	3781	199.843	ug/l	#	96
51) 4-Methyl-2-Pentanone	9.999	43	68951	46.490	ug/l		98
52) Toluene	10.170	92	84571	10.189	ug/l		99
53) t-1,3-Dichloropropene	10.396	75	37699	9.911	ug/l		94
54) cis-1,3-Dichloropropene	9.859	75	45133	9.982	ug/l		95
55) 1,1,2-Trichloroethane	10.572	97	24166	10.192	ug/l		98
56) Ethyl methacrylate	10.438	69	23924	8.823	ug/l		98
57) 1,3-Dichloropropane	10.719	76	38787	10.204	ug/l		97
58) 2-Chloroethyl Vinyl ether	9.707	63	55900	42.164	ug/l		98
59) 2-Hexanone	10.761	43	44419	45.407	ug/l		97
60) Dibromochloromethane	10.914	129	32807	9.994	ug/l		99
61) 1,2-Dibromoethane	11.011	107	22427	10.019	ug/l		99
64) Tetrachloroethene	10.646	164	43205	10.944	ug/l		99
65) Chlorobenzene	11.444	112	96442	10.306	ug/l		99
66) 1,1,1,2-Tetrachloroethane	11.517	131	34237	10.392	ug/l		99
67) Ethyl Benzene	11.517	91	153977	10.058	ug/l		96
68) m/p-Xylenes	11.627	106	120544	19.789	ug/l		100
69) o-Xylene	11.956	106	53458	9.521	ug/l		98
70) Styrene	11.969	104	90382	9.588	ug/l		99
71) Bromoform	12.133	173	18480	9.648	ug/l	#	99
73) Isopropylbenzene	12.255	105	144167	9.928	ug/l		100
74) N-amyl acetate	12.072	43	23058	9.242	ug/l		97
75) 1,1,2,2-Tetrachloroethane	12.505	83	24413	9.971	ug/l		97
76) 1,2,3-Trichloropropane	12.554	75	19328m	10.092	ug/l		
77) Bromobenzene	12.529	156	36127	9.845	ug/l		97
78) n-propylbenzene	12.596	91	173723	10.045	ug/l		98
79) 2-Chlorotoluene	12.682	91	101855	10.127	ug/l		100
80) 1,3,5-Trimethylbenzene	12.737	105	119871	10.018	ug/l		99
81) trans-1,4-Dichloro-2-b...	12.304	75	7556	9.773	ug/l		98
82) 4-Chlorotoluene	12.779	91	108734	10.400	ug/l		100
83) tert-Butylbenzene	12.999	119	103541	9.649	ug/l		96
84) 1,2,4-Trimethylbenzene	13.042	105	118119	9.870	ug/l		100
85) sec-Butylbenzene	13.176	105	161907	10.311	ug/l		100
86) p-Isopropyltoluene	13.291	119	131120	9.834	ug/l		99
87) 1,3-Dichlorobenzene	13.285	146	77538	10.404	ug/l		98
88) 1,4-Dichlorobenzene	13.365	146	75043	10.167	ug/l		98
89) n-Butylbenzene	13.621	91	121297	10.177	ug/l		99
90) Hexachloroethane	13.877	117	30881	10.541	ug/l		97
91) 1,2-Dichlorobenzene	13.657	146	66159	10.178	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	14.279	75	3955	10.153	ug/l		83
93) 1,2,4-Trichlorobenzene	14.919	180	34793	9.446	ug/l		98
94) Hexachlorobutadiene	15.023	225	23698	10.457	ug/l		98
95) Naphthalene	15.145	128	48366	7.904	ug/l		99
96) 1,2,3-Trichlorobenzene	15.328	180	29276	9.207	ug/l		98

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY042225\
Data File : VY021954.D
Acq On : 22 Apr 2025 14:44
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 :Semsettin Yesilyurt 04/23/2025
Supervised By :Mahesh Dadoda 04/23/2025

Quant Time: Apr 23 02:08:59 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
Quant Title : SW846 8260
QLast Update : Wed Apr 23 02:02:03 2025
Response via : Initial Calibration

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

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

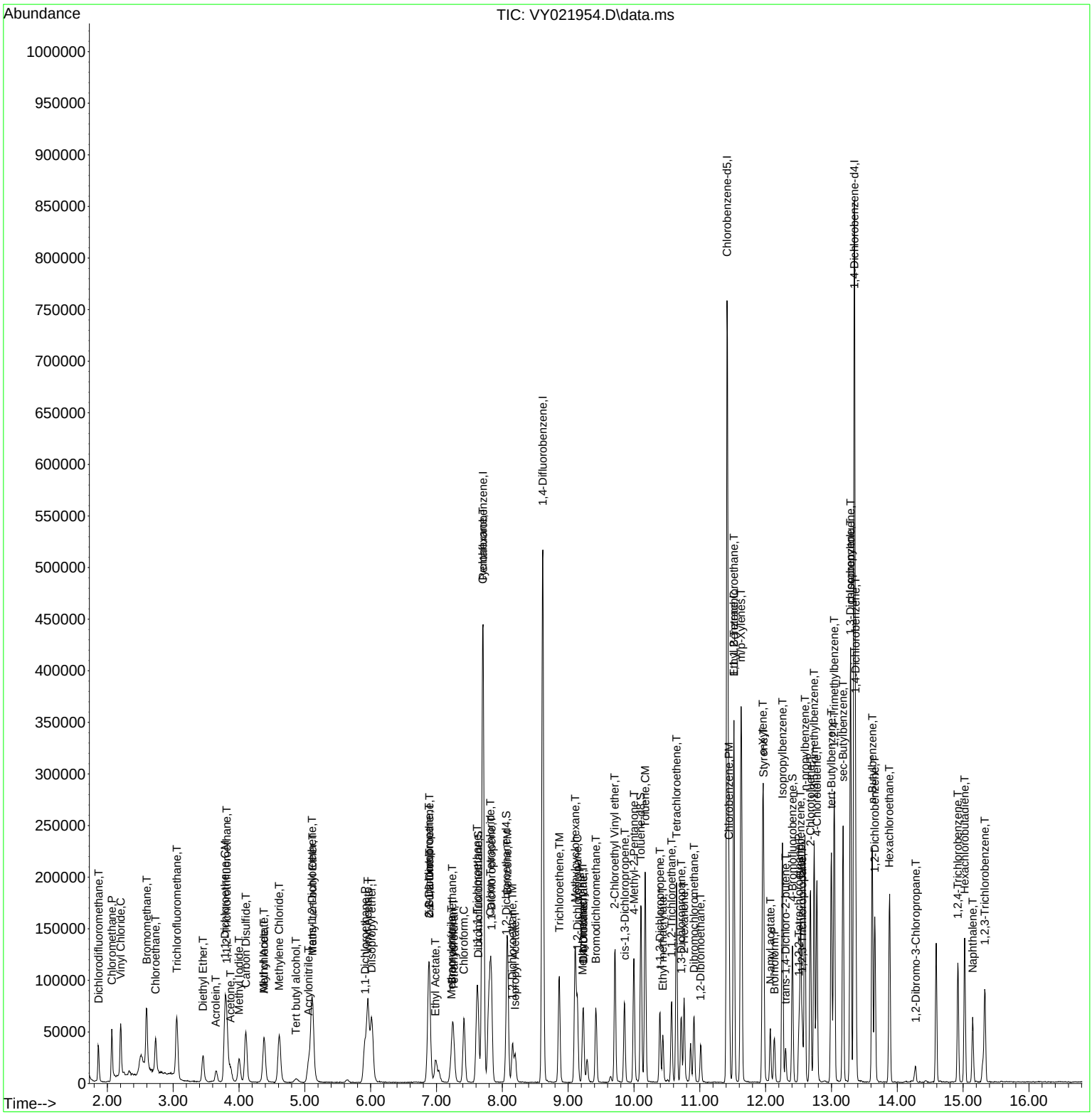
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY042225\
Data File : VY021954.D
Acq On : 22 Apr 2025 14:44
Operator : SY/MD
Sample : VSTDICC010
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Apr 23 02:08:59 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
Quant Title : SW846 8260
QLast Update : Wed Apr 23 02:02:03 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 04/23/2025
Supervised By :Mahesh Dadoda 04/23/2025



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY042225\
Data File : VY021955.D
Acq On : 22 Apr 2025 15:07
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 :Semsettin Yesilyurt 04/23/2025
Supervised By :Mahesh Dadoda 04/23/2025

Quant Time: Apr 23 02:10:05 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
Quant Title : SW846 8260
QLast Update : Wed Apr 23 02:02:03 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.707	168	302781	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	479908	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	443014	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	236548	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	55629	19.891	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	39.780%#		
35) Dibromofluoromethane	7.634	113	63419	20.003	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	40.000%#		
50) Toluene-d8	10.103	98	232431	19.446	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	38.900%#		
62) 4-Bromofluorobenzene	12.408	95	77034	19.144	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	38.280%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.861	85	49065	19.018	ug/l	94
3) Chloromethane	2.062	50	76990	20.957	ug/l	99
4) Vinyl Chloride	2.202	62	91757	20.326	ug/l	100
5) Bromomethane	2.586	94	81602	20.981	ug/l	95
6) Chloroethane	2.726	64	63501	20.654	ug/l	99
7) Trichlorofluoromethane	3.050	101	119529	20.079	ug/l	97
8) Diethyl Ether	3.452	74	30609	19.755	ug/l	96
9) 1,1,2-Trichlorotrifluo...	3.812	101	64172	19.872	ug/l	99
10) Methyl Iodide	4.001	142	73189	19.575	ug/l	100
11) Tert butyl alcohol	4.866	59	16584	108.012	ug/l #	89
12) 1,1-Dichloroethene	3.787	96	58505	19.437	ug/l	97
13) Acrolein	3.653	56	30883	112.069	ug/l	98
14) Allyl chloride	4.379	41	67622	19.294	ug/l	99
15) Acrylonitrile	5.061	53	59926	105.648	ug/l	98
16) Acetone	3.873	43	40190	96.689	ug/l	94
17) Carbon Disulfide	4.098	76	189988	19.796	ug/l	95
18) Methyl Acetate	4.385	43	27988	21.423	ug/l	99
19) Methyl tert-butyl Ether	5.110	73	133523	19.820	ug/l	98
20) Methylene Chloride	4.610	84	69571	19.673	ug/l	96
21) trans-1,2-Dichloroethene	5.110	96	64547	19.148	ug/l	92
22) Diisopropyl ether	6.012	45	159414	20.439	ug/l	96
23) Vinyl Acetate	5.958	43	424128	100.901	ug/l	100
24) 1,1-Dichloroethane	5.915	63	108156	20.006	ug/l	99
25) 2-Butanone	6.896	43	65464	102.688	ug/l	96
26) 2,2-Dichloropropane	6.878	77	92415	19.503	ug/l	99
27) cis-1,2-Dichloroethene	6.890	96	73114	19.398	ug/l	97
28) Bromochloromethane	7.244	49	44154	21.027	ug/l	99
29) Tetrahydrofuran	7.262	42	43665	105.459	ug/l	99
30) Chloroform	7.421	83	117934	19.666	ug/l	97
31) Cyclohexane	7.701	56	89380	19.333	ug/l	91
32) 1,1,1-Trichloroethane	7.610	97	108468	19.993	ug/l	98
36) 1,1-Dichloropropene	7.835	75	81459	19.127	ug/l	99
37) Ethyl Acetate	6.982	43	31319	20.755	ug/l	99
38) Carbon Tetrachloride	7.817	117	98308	19.318	ug/l	98
39) Methylcyclohexane	9.109	83	99570	18.578	ug/l	95
40) Benzene	8.079	78	259371	19.482	ug/l	98

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY042225\
Data File : VY021955.D
Acq On : 22 Apr 2025 15:07
Operator : SY/MD
Sample : VSTDICC020
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Apr 23 02:10:05 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
Quant Title : SW846 8260
QLast Update : Wed Apr 23 02:02:03 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 04/23/2025
Supervised By :Mahesh Dadoda 04/23/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.238	41	19946m	23.846	ug/l		
42) 1,2-Dichloroethane	8.158	62	67235	20.398	ug/l		100
43) Isopropyl Acetate	8.195	43	60204	20.495	ug/l	#	87
44) Trichloroethene	8.866	130	70896	19.226	ug/l		96
45) 1,2-Dichloropropane	9.140	63	57934	19.678	ug/l		98
46) Dibromomethane	9.225	93	36893	20.018	ug/l		97
47) Bromodichloromethane	9.420	83	89049	19.341	ug/l		99
48) Methyl methacrylate	9.219	41	28211	20.775	ug/l		97
49) 1,4-Dioxane	9.237	88	8497	432.566	ug/l		96
51) 4-Methyl-2-Pentanone	9.999	43	159902	103.844	ug/l		99
52) Toluene	10.170	92	168035	19.499	ug/l		100
53) t-1,3-Dichloropropene	10.390	75	76629	19.404	ug/l		96
54) cis-1,3-Dichloropropene	9.853	75	92726	19.753	ug/l		99
55) 1,1,2-Trichloroethane	10.573	97	50105	20.353	ug/l		99
56) Ethyl methacrylate	10.438	69	55703	19.786	ug/l		99
57) 1,3-Dichloropropane	10.713	76	77652	19.676	ug/l		99
58) 2-Chloroethyl Vinyl ether	9.707	63	140435	102.027	ug/l		99
59) 2-Hexanone	10.762	43	104321	102.714	ug/l		98
60) Dibromochloromethane	10.908	129	67988	19.948	ug/l		99
61) 1,2-Dibromoethane	11.012	107	46699	20.093	ug/l		98
64) Tetrachloroethene	10.646	164	81915	19.600	ug/l		98
65) Chlorobenzene	11.438	112	186901	18.866	ug/l		100
66) 1,1,1,2-Tetrachloroethane	11.518	131	66586	19.091	ug/l		99
67) Ethyl Benzene	11.518	91	304501	18.789	ug/l		99
68) m/p-Xylenes	11.627	106	247677	38.407	ug/l		99
69) o-Xylene	11.956	106	112603	18.945	ug/l		100
70) Styrene	11.969	104	191106	19.149	ug/l		99
71) Bromoform	12.133	173	39690	19.573	ug/l	#	98
73) Isopropylbenzene	12.255	105	293481	18.570	ug/l		100
74) N-amyl acetate	12.072	43	52325	19.271	ug/l		99
75) 1,1,2,2-Tetrachloroethane	12.505	83	52524	19.713	ug/l		100
76) 1,2,3-Trichloropropane	12.554	75	39530m	18.965	ug/l		
77) Bromobenzene	12.530	156	73838	18.490	ug/l		97
78) n-propylbenzene	12.597	91	357438	18.992	ug/l		99
79) 2-Chlorotoluene	12.676	91	206212	18.840	ug/l		100
80) 1,3,5-Trimethylbenzene	12.737	105	247372	18.997	ug/l		100
81) trans-1,4-Dichloro-2-b...	12.304	75	16123	19.163	ug/l		96
82) 4-Chlorotoluene	12.773	91	214776	18.876	ug/l		100
83) tert-Butylbenzene	12.999	119	214149	18.337	ug/l		99
84) 1,2,4-Trimethylbenzene	13.042	105	248902	19.110	ug/l		99
85) sec-Butylbenzene	13.176	105	322522	18.873	ug/l		100
86) p-Isopropyltoluene	13.292	119	271440	18.706	ug/l		100
87) 1,3-Dichlorobenzene	13.286	146	150873	18.602	ug/l		99
88) 1,4-Dichlorobenzene	13.365	146	151864	18.905	ug/l		99
89) n-Butylbenzene	13.615	91	240816	18.566	ug/l		98
90) Hexachloroethane	13.877	117	58060	18.211	ug/l		99
91) 1,2-Dichlorobenzene	13.657	146	135650	19.175	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	14.273	75	8864	20.910	ug/l		89
93) 1,2,4-Trichlorobenzene	14.919	180	74289	18.532	ug/l		99
94) Hexachlorobutadiene	15.023	225	45722	18.538	ug/l		98
95) Naphthalene	15.145	128	121454	18.238	ug/l		100
96) 1,2,3-Trichlorobenzene	15.328	180	64735	18.707	ug/l		98

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY042225\
Data File : VY021955.D
Acq On : 22 Apr 2025 15:07
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 :Semsettin Yesilyurt 04/23/2025
Supervised By :Mahesh Dadoda 04/23/2025

Quant Time: Apr 23 02:10:05 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
Quant Title : SW846 8260
QLast Update : Wed Apr 23 02:02:03 2025
Response via : Initial Calibration

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

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

ICAL Form

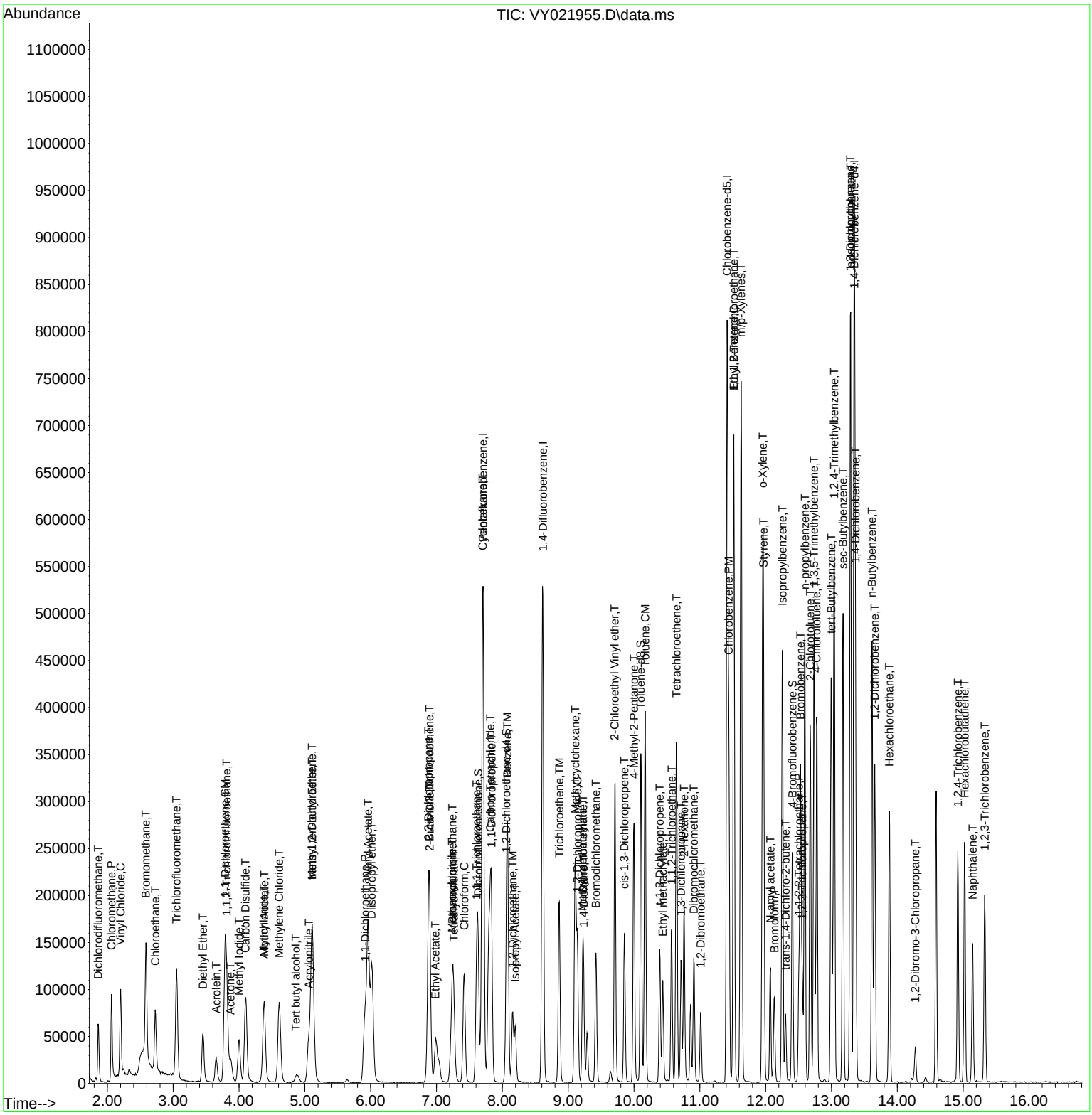
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY042225\
Data File : VY021955.D
Acq On : 22 Apr 2025 15:07
Operator : SY/MD
Sample : VSTDICC020
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Apr 23 02:10:05 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
Quant Title : SW846 8260
QLast Update : Wed Apr 23 02:02:03 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 04/23/2025
Supervised By :Mahesh Dadoda 04/23/2025



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY042225\
Data File : VY021956.D
Acq On : 22 Apr 2025 15:29
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 :Semsettin Yesilyurt 04/23/2025
Supervised By :Mahesh Dadoda 04/23/2025

Quant Time: Apr 23 02:11:12 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
Quant Title : SW846 8260
QLast Update : Wed Apr 23 02:02:03 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.707	168	321453	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	499724	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	458508	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	245926	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	149695	50.416	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 100.840%			
35) Dibromofluoromethane	7.634	113	164867	49.938	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 99.880%			
50) Toluene-d8	10.103	98	637767	51.241	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 102.480%			
62) 4-Bromofluorobenzene	12.402	95	212936	50.820	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 101.640%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.861	85	126242	46.089	ug/l	100
3) Chloromethane	2.062	50	193657	49.653	ug/l	100
4) Vinyl Chloride	2.196	62	234756	48.981	ug/l	100
5) Bromomethane	2.592	94	191530	46.385	ug/l	100
6) Chloroethane	2.733	64	158887	48.677	ug/l	100
7) Trichlorofluoromethane	3.050	101	308523	48.817	ug/l	100
8) Diethyl Ether	3.452	74	79512	48.337	ug/l	100
9) 1,1,2-Trichlorotrifluo...	3.812	101	157297	45.881	ug/l	100
10) Methyl Iodide	4.001	142	202276	50.959	ug/l	100
11) Tert butyl alcohol	4.879	59	41968	257.462	ug/l	100
12) 1,1-Dichloroethene	3.787	96	151531	47.419	ug/l	100
13) Acrolein	3.653	56	68275	233.366	ug/l	100
14) Allyl chloride	4.379	41	178559	47.988	ug/l	100
15) Acrylonitrile	5.055	53	150181	249.387	ug/l	100
16) Acetone	3.879	43	101417	261.973	ug/l	100
17) Carbon Disulfide	4.098	76	479842	47.094	ug/l	100
18) Methyl Acetate	4.385	43	71756	51.735	ug/l	100
19) Methyl tert-butyl Ether	5.116	73	364107	50.907	ug/l	100
20) Methylene Chloride	4.610	84	171472	45.671	ug/l	100
21) trans-1,2-Dichloroethene	5.104	96	171054	47.796	ug/l	100
22) Diisopropyl ether	6.019	45	414816	50.096	ug/l	100
23) Vinyl Acetate	5.958	43	1151100	257.942	ug/l	100
24) 1,1-Dichloroethane	5.915	63	274136	47.762	ug/l	100
25) 2-Butanone	6.896	43	169727	250.772	ug/l	100
26) 2,2-Dichloropropane	6.884	77	238816	47.472	ug/l	100
27) cis-1,2-Dichloroethene	6.890	96	196712	49.157	ug/l	100
28) Bromochloromethane	7.244	49	110399	49.520	ug/l	100
29) Tetrahydrofuran	7.262	42	117311	266.870	ug/l	100
30) Chloroform	7.421	83	307243	48.259	ug/l	100
31) Cyclohexane	7.701	56	227735	46.398	ug/l	100
32) 1,1,1-Trichloroethane	7.616	97	274062	47.581	ug/l	100
36) 1,1-Dichloropropene	7.835	75	212523	47.923	ug/l	100
37) Ethyl Acetate	6.982	43	80627	51.312	ug/l	100
38) Carbon Tetrachloride	7.817	117	253502	47.838	ug/l	100
39) Methylcyclohexane	9.109	83	274408	49.170	ug/l	100
40) Benzene	8.079	78	667899	48.179	ug/l	100

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY042225\
Data File : VY021956.D
Acq On : 22 Apr 2025 15:29
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 :Semsettin Yesilyurt 04/23/2025
Supervised By :Mahesh Dadoda 04/23/2025

Quant Time: Apr 23 02:11:12 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
Quant Title : SW846 8260
QLast Update : Wed Apr 23 02:02:03 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.226	41	45898	52.696	ug/l		100
42) 1,2-Dichloroethane	8.158	62	167612	48.835	ug/l		100
43) Isopropyl Acetate	8.195	43	155835	50.948	ug/l		100
44) Trichloroethene	8.860	130	183327	47.744	ug/l		100
45) 1,2-Dichloropropane	9.140	63	149687	48.827	ug/l		100
46) Dibromomethane	9.231	93	93536	48.740	ug/l		100
47) Bromodichloromethane	9.420	83	234964	49.010	ug/l		100
48) Methyl methacrylate	9.219	41	75057	53.082	ug/l		100
49) 1,4-Dioxane	9.238	88	20303	992.601	ug/l		100
51) 4-Methyl-2-Pentanone	10.000	43	428635	267.326	ug/l		100
52) Toluene	10.170	92	446525	49.760	ug/l		100
53) t-1,3-Dichloropropene	10.390	75	208479	50.698	ug/l		100
54) cis-1,3-Dichloropropene	9.853	75	241637	49.432	ug/l		100
55) 1,1,2-Trichloroethane	10.573	97	128082	49.965	ug/l		100
56) Ethyl methacrylate	10.439	69	157986	53.893	ug/l		100
57) 1,3-Dichloropropane	10.713	76	204196	49.688	ug/l		100
58) 2-Chloroethyl Vinyl ether	9.707	63	401030	279.797	ug/l		100
59) 2-Hexanone	10.762	43	286755	271.141	ug/l		100
60) Dibromochloromethane	10.908	129	176120	49.624	ug/l		100
61) 1,2-Dibromoethane	11.012	107	120604	49.835	ug/l		100
64) Tetrachloroethene	10.646	164	208756	48.263	ug/l		100
65) Chlorobenzene	11.438	112	496647	48.437	ug/l		100
66) 1,1,1,2-Tetrachloroethane	11.518	131	177151	49.075	ug/l		100
67) Ethyl Benzene	11.518	91	841384	50.163	ug/l		100
68) m/p-Xylenes	11.627	106	673159	100.858	ug/l		100
69) o-Xylene	11.950	106	315731	51.325	ug/l		100
70) Styrene	11.969	104	535957	51.890	ug/l		100
71) Bromoform	12.133	173	105166	50.110	ug/l	#	100
73) Isopropylbenzene	12.255	105	817740	49.770	ug/l		100
74) N-amyl acetate	12.066	43	145415	51.512	ug/l		100
75) 1,1,2,2-Tetrachloroethane	12.505	83	134856	48.682	ug/l		100
76) 1,2,3-Trichloropropane	12.554	75	99679m	45.999	ug/l		
77) Bromobenzene	12.530	156	203522	49.021	ug/l		100
78) n-propylbenzene	12.591	91	977958	49.981	ug/l		100
79) 2-Chlorotoluene	12.676	91	560805	49.283	ug/l		100
80) 1,3,5-Trimethylbenzene	12.737	105	688578	50.863	ug/l		100
81) trans-1,4-Dichloro-2-b...	12.298	75	43472	49.698	ug/l		100
82) 4-Chlorotoluene	12.773	91	585277	49.478	ug/l		100
83) tert-Butylbenzene	12.993	119	613293	50.513	ug/l		100
84) 1,2,4-Trimethylbenzene	13.042	105	684634	50.560	ug/l		100
85) sec-Butylbenzene	13.176	105	885790	49.857	ug/l		100
86) p-Isopropyltoluene	13.292	119	760829	50.431	ug/l		100
87) 1,3-Dichlorobenzene	13.286	146	405153	48.048	ug/l		100
88) 1,4-Dichlorobenzene	13.365	146	398336	47.697	ug/l		100
89) n-Butylbenzene	13.615	91	674346	50.008	ug/l		100
90) Hexachloroethane	13.877	117	156957	47.353	ug/l		100
91) 1,2-Dichlorobenzene	13.657	146	357028	48.544	ug/l		100
92) 1,2-Dibromo-3-Chloropr...	14.273	75	20698	46.964	ug/l		100
93) 1,2,4-Trichlorobenzene	14.919	180	202386	48.561	ug/l		100
94) Hexachlorobutadiene	15.023	225	117976	46.009	ug/l		100
95) Naphthalene	15.139	128	353130	51.007	ug/l		100
96) 1,2,3-Trichlorobenzene	15.328	180	173778	48.304	ug/l		100

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY042225\
Data File : VY021956.D
Acq On : 22 Apr 2025 15:29
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 :Semsettin Yesilyurt 04/23/2025
Supervised By :Mahesh Dadoda 04/23/2025

Quant Time: Apr 23 02:11:12 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
Quant Title : SW846 8260
QLast Update : Wed Apr 23 02:02:03 2025
Response via : Initial Calibration

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

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

ICAL Form

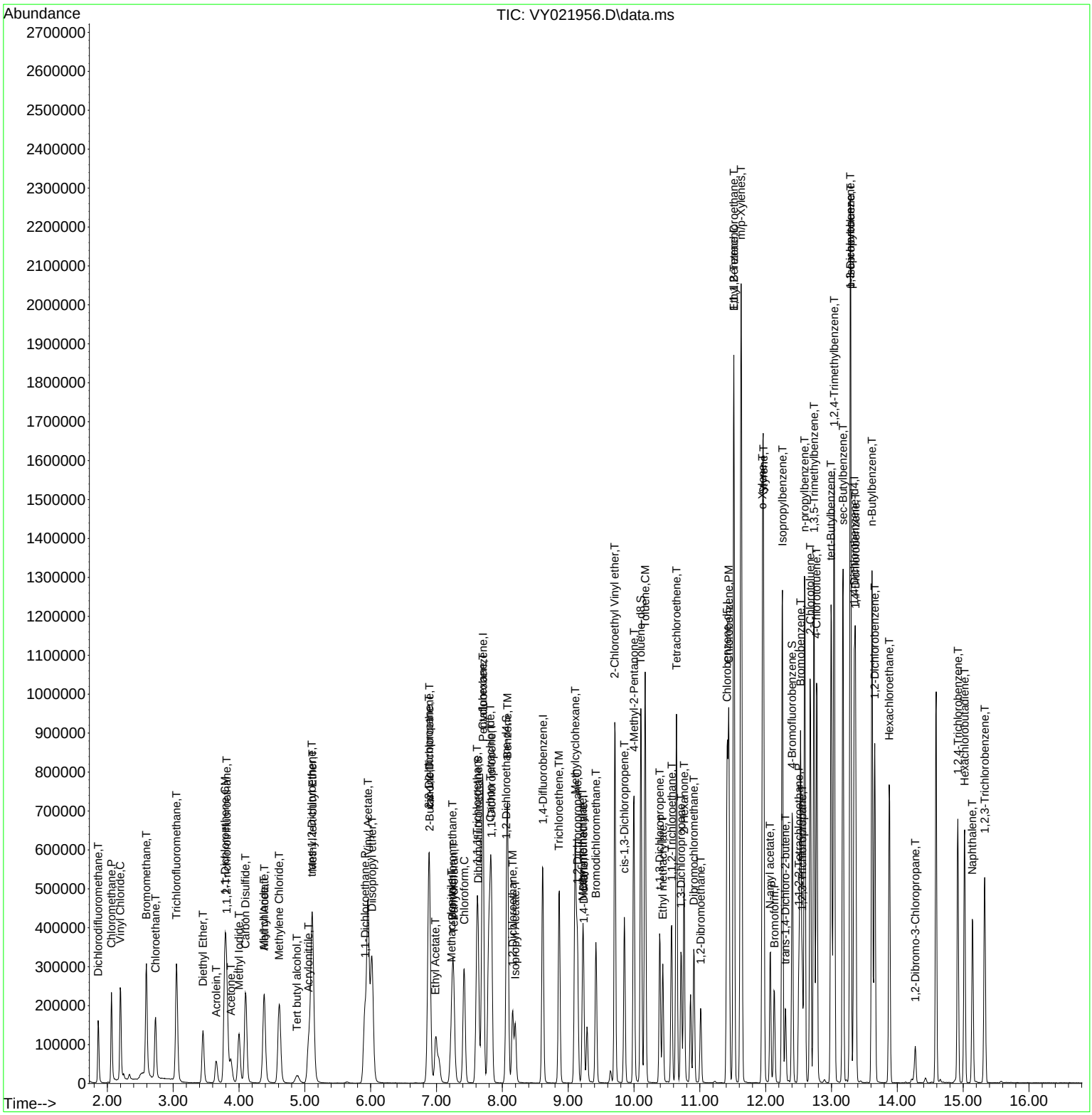
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY042225\
Data File : VY021956.D
Acq On : 22 Apr 2025 15:29
Operator : SY/MD
Sample : VSTDICCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Apr 23 02:11:12 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
Quant Title : SW846 8260
QLast Update : Wed Apr 23 02:02:03 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 04/23/2025
Supervised By :Mahesh Dadoda 04/23/2025



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY042225\
Data File : VY021957.D
Acq On : 22 Apr 2025 15:52
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: Apr 23 02:12:17 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
Quant Title : SW846 8260
QLast Update : Wed Apr 23 02:02:03 2025
Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 04/23/2025
Supervised By :Mahesh Dadoda 04/23/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.707	168	344392	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	517970	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	479774	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	253936	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	287743	90.454	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 180.900%#			
35) Dibromofluoromethane	7.634	113	329983	96.430	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 192.860%#			
50) Toluene-d8	10.103	98	1288287	99.860	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 199.720%#			
62) 4-Bromofluorobenzene	12.402	95	437911	100.832	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 201.660%#			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.861	85	280742	95.668	ug/l	99
3) Chloromethane	2.068	50	364659	87.270	ug/l	99
4) Vinyl Chloride	2.202	62	468044	91.152	ug/l	100
5) Bromomethane	2.586	94	381632	86.267	ug/l	98
6) Chloroethane	2.733	64	317008	90.651	ug/l	98
7) Trichlorofluoromethane	3.050	101	634632	93.728	ug/l	97
8) Diethyl Ether	3.452	74	169496	96.177	ug/l	99
9) 1,1,2-Trichlorotrifluo...	3.812	101	342220	93.171	ug/l	99
10) Methyl Iodide	4.001	142	448644	105.498	ug/l	100
11) Tert butyl alcohol	4.872	59	79446	454.915	ug/l	97
12) 1,1-Dichloroethene	3.787	96	335292	97.935	ug/l	98
13) Acrolein	3.647	56	137299	438.034	ug/l	97
14) Allyl chloride	4.379	41	395924	99.318	ug/l	99
15) Acrylonitrile	5.055	53	303243	470.017	ug/l	100
16) Acetone	3.873	43	198486	497.873	ug/l	92
17) Carbon Disulfide	4.104	76	1044296	95.665	ug/l	99
18) Methyl Acetate	4.385	43	142939	96.193	ug/l	98
19) Methyl tert-butyl Ether	5.116	73	785760	102.542	ug/l	97
20) Methylene Chloride	4.610	84	356477	88.623	ug/l	99
21) trans-1,2-Dichloroethene	5.110	96	376278	98.137	ug/l	97
22) Diisopropyl ether	6.019	45	895700	100.965	ug/l	98
23) Vinyl Acetate	5.958	43	2455946	513.679	ug/l	99
24) 1,1-Dichloroethane	5.909	63	589137	95.806	ug/l	98
25) 2-Butanone	6.890	43	342128	471.826	ug/l	99
26) 2,2-Dichloropropane	6.884	77	530549	98.439	ug/l	100
27) cis-1,2-Dichloroethene	6.884	96	436196	101.743	ug/l	100
28) Bromochloromethane	7.244	49	221300	92.652	ug/l	97
29) Tetrahydrofuran	7.262	42	228438	485.059	ug/l	96
30) Chloroform	7.421	83	659805	96.733	ug/l	100
31) Cyclohexane	7.701	56	502812	95.618	ug/l	97
32) 1,1,1-Trichloroethane	7.616	97	595919	96.568	ug/l	99
36) 1,1-Dichloropropene	7.835	75	466424	101.471	ug/l	99
37) Ethyl Acetate	6.982	43	158846	97.530	ug/l	98
38) Carbon Tetrachloride	7.817	117	554665	100.983	ug/l	97
39) Methylcyclohexane	9.109	83	621199	107.388	ug/l	98
40) Benzene	8.079	78	1466182	102.038	ug/l	99

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY042225\
Data File : VY021957.D
Acq On : 22 Apr 2025 15:52
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 :Semsettin Yesilyurt 04/23/2025
Supervised By :Mahesh Dadoda 04/23/2025

Quant Time: Apr 23 02:12:17 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
Quant Title : SW846 8260
QLast Update : Wed Apr 23 02:02:03 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.213	41	84524	93.624	ug/l	#	89
42) 1,2-Dichloroethane	8.158	62	348314	97.908	ug/l		100
43) Isopropyl Acetate	8.195	43	319666	100.828	ug/l		98
44) Trichloroethene	8.866	130	401139	100.789	ug/l		99
45) 1,2-Dichloropropane	9.140	63	318648	100.279	ug/l		99
46) Dibromomethane	9.231	93	197509	99.293	ug/l		99
47) Bromodichloromethane	9.420	83	507797	102.188	ug/l		99
48) Methyl methacrylate	9.219	41	155528	106.117	ug/l		97
49) 1,4-Dioxane	9.231	88	43176	2036.490	ug/l		99
51) 4-Methyl-2-Pentanone	9.999	43	859904	517.403	ug/l		99
52) Toluene	10.170	92	986553	106.068	ug/l		99
53) t-1,3-Dichloropropene	10.390	75	452714	106.213	ug/l		97
54) cis-1,3-Dichloropropene	9.853	75	532092	105.017	ug/l		99
55) 1,1,2-Trichloroethane	10.573	97	267477	100.667	ug/l		99
56) Ethyl methacrylate	10.438	69	343556	113.068	ug/l		100
57) 1,3-Dichloropropane	10.713	76	432340	101.498	ug/l		100
58) 2-Chloroethyl Vinyl ether	9.707	63	796991	536.469	ug/l		99
59) 2-Hexanone	10.762	43	573925	523.558	ug/l		99
60) Dibromochloromethane	10.908	129	380014	103.302	ug/l		99
61) 1,2-Dibromoethane	11.012	107	256079	102.087	ug/l		98
64) Tetrachloroethene	10.646	164	446995	98.761	ug/l		99
65) Chlorobenzene	11.438	112	1092542	101.831	ug/l		98
66) 1,1,1,2-Tetrachloroethane	11.518	131	384924	101.907	ug/l		99
67) Ethyl Benzene	11.518	91	1909638	108.806	ug/l		100
68) m/p-Xylenes	11.627	106	1528954	218.926	ug/l		98
69) o-Xylene	11.956	106	716652	111.334	ug/l		99
70) Styrene	11.969	104	1220634	112.940	ug/l		99
71) Bromoform	12.133	173	226072	102.945	ug/l	#	98
73) Isopropylbenzene	12.255	105	1848306	108.944	ug/l		99
74) N-amyl acetate	12.066	43	312577	107.236	ug/l		98
75) 1,1,2,2-Tetrachloroethane	12.505	83	281769	98.509	ug/l		100
76) 1,2,3-Trichloropropane	12.554	75	207056m	92.537	ug/l		
77) Bromobenzene	12.530	156	451913	105.415	ug/l		98
78) n-propylbenzene	12.597	91	2162620	107.039	ug/l		99
79) 2-Chlorotoluene	12.676	91	1236457	105.231	ug/l		100
80) 1,3,5-Trimethylbenzene	12.737	105	1512269	108.183	ug/l		100
81) trans-1,4-Dichloro-2-b...	12.304	75	91833	101.673	ug/l		97
82) 4-Chlorotoluene	12.773	91	1280377	104.825	ug/l		99
83) tert-Butylbenzene	12.993	119	1383923	110.389	ug/l		99
84) 1,2,4-Trimethylbenzene	13.042	105	1537175	109.940	ug/l		99
85) sec-Butylbenzene	13.176	105	1979821	107.920	ug/l		100
86) p-Isopropyltoluene	13.292	119	1719877	110.405	ug/l		99
87) 1,3-Dichlorobenzene	13.286	146	908577	104.350	ug/l		99
88) 1,4-Dichlorobenzene	13.365	146	880300	102.083	ug/l		99
89) n-Butylbenzene	13.615	91	1511238	108.535	ug/l		99
90) Hexachloroethane	13.877	117	349860	102.221	ug/l		99
91) 1,2-Dichlorobenzene	13.657	146	780600	102.789	ug/l		100
92) 1,2-Dibromo-3-Chloropr...	14.273	75	43006	94.503	ug/l		97
93) 1,2,4-Trichlorobenzene	14.919	180	492590	114.465	ug/l		100
94) Hexachlorobutadiene	15.023	225	281711	106.397	ug/l		99
95) Naphthalene	15.145	128	858079	120.033	ug/l		100
96) 1,2,3-Trichlorobenzene	15.328	180	420859	113.294	ug/l		99

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY042225\
Data File : VY021957.D
Acq On : 22 Apr 2025 15:52
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 :Semsettin Yesilyurt 04/23/2025
Supervised By :Mahesh Dadoda 04/23/2025

Quant Time: Apr 23 02:12:17 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
Quant Title : SW846 8260
QLast Update : Wed Apr 23 02:02:03 2025
Response via : Initial Calibration

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

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

ICAL Form

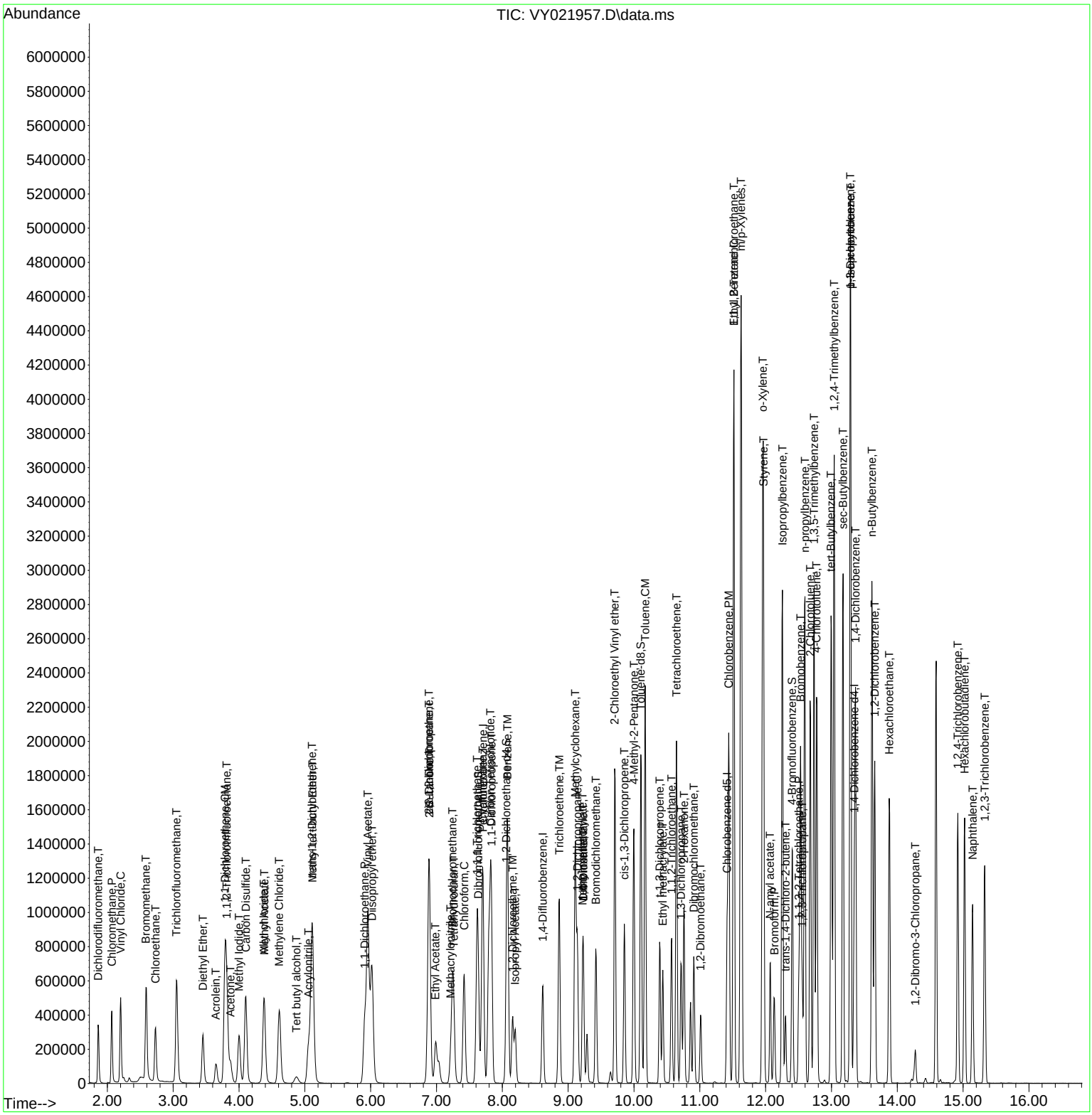
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY042225\
Data File : VY021957.D
Acq On : 22 Apr 2025 15:52
Operator : SY/MD
Sample : VSTDICC100
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Apr 23 02:12:17 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
Quant Title : SW846 8260
QLast Update : Wed Apr 23 02:02:03 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 04/23/2025
Supervised By :Mahesh Dadoda 04/23/2025



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY042225\
Data File : VY021958.D
Acq On : 22 Apr 2025 16:15
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 :Semsettin Yesilyurt 04/23/2025
Supervised By :Mahesh Dadoda 04/23/2025

Quant Time: Apr 23 02:13:23 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
Quant Title : SW846 8260
QLast Update : Wed Apr 23 02:02:03 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.707	168	355777	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	536479	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	502246	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	256233	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	455676	138.662	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 277.320%#			
35) Dibromofluoromethane	7.634	113	525659	148.312	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 296.620%#			
50) Toluene-d8	10.103	98	2029557	151.892	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 303.780%#			
62) 4-Bromofluorobenzene	12.402	95	688061	152.965	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 305.940%#			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.861	85	431961	142.488	ug/l	99
3) Chloromethane	2.068	50	531232	123.066	ug/l	98
4) Vinyl Chloride	2.202	62	690264	130.127	ug/l	99
5) Bromomethane	2.580	94	587136	128.474	ug/l	100
6) Chloroethane	2.727	64	457467	126.630	ug/l	100
7) Trichlorofluoromethane	3.050	101	968200	138.417	ug/l	98
8) Diethyl Ether	3.452	74	256284	140.770	ug/l	100
9) 1,1,2-Trichlorotrifluo...	3.812	101	520779	137.247	ug/l	99
10) Methyl Iodide	4.001	142	670370	152.592	ug/l	99
11) Tert butyl alcohol	4.866	59	132009	731.707	ug/l	98
12) 1,1-Dichloroethene	3.781	96	516411	146.010	ug/l	99
13) Acrolein	3.647	56	224148	692.230	ug/l	97
14) Allyl chloride	4.379	41	595004	144.481	ug/l	99
15) Acrylonitrile	5.055	53	471687	707.705	ug/l	99
16) Acetone	3.873	43	303420	747.934	ug/l	93
17) Carbon Disulfide	4.098	76	1556842	138.054	ug/l	99
18) Methyl Acetate	4.379	43	233664	152.216	ug/l	100
19) Methyl tert-butyl Ether	5.110	73	1210655	152.936	ug/l	98
20) Methylene Chloride	4.610	84	526924	126.805	ug/l	98
21) trans-1,2-Dichloroethene	5.110	96	568174	143.443	ug/l	96
22) Diisopropyl ether	6.019	45	1331652	145.303	ug/l	99
23) Vinyl Acetate	5.958	43	3706076	750.348	ug/l	99
24) 1,1-Dichloroethane	5.909	63	881143	138.707	ug/l	98
25) 2-Butanone	6.890	43	533125	711.701	ug/l	98
26) 2,2-Dichloropropane	6.884	77	797978	143.320	ug/l	100
27) cis-1,2-Dichloroethene	6.884	96	663284	149.760	ug/l	99
28) Bromochloromethane	7.244	49	335269	135.876	ug/l	93
29) Tetrahydrofuran	7.262	42	357581	734.980	ug/l	95
30) Chloroform	7.421	83	986793	140.042	ug/l	98
31) Cyclohexane	7.701	56	759349	139.782	ug/l	97
32) 1,1,1-Trichloroethane	7.616	97	903077	141.659	ug/l	99
36) 1,1-Dichloropropene	7.835	75	702870	147.634	ug/l	99
37) Ethyl Acetate	6.982	43	243196	144.169	ug/l	98
38) Carbon Tetrachloride	7.817	117	841409	147.902	ug/l	99
39) Methylcyclohexane	9.103	83	947546	158.153	ug/l	97
40) Benzene	8.079	78	2184995	146.818	ug/l	99

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY042225\
Data File : VY021958.D
Acq On : 22 Apr 2025 16:15
Operator : SY/MD
Sample : VSTDICC150
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Apr 23 02:13:23 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
Quant Title : SW846 8260
QLast Update : Wed Apr 23 02:02:03 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 04/23/2025
Supervised By :Mahesh Dadoda 04/23/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.214	41	135364	144.765	ug/l	#	90
42) 1,2-Dichloroethane	8.152	62	522909	141.914	ug/l		100
43) Isopropyl Acetate	8.195	43	495904	151.020	ug/l	#	85
44) Trichloroethene	8.866	130	603635	146.435	ug/l		99
45) 1,2-Dichloropropane	9.140	63	473210	143.782	ug/l		100
46) Dibromomethane	9.225	93	300473	145.844	ug/l		99
47) Bromodichloromethane	9.420	83	758771	147.426	ug/l		100
48) Methyl methacrylate	9.219	41	243168	160.190	ug/l		97
49) 1,4-Dioxane	9.225	88	66528	3029.677	ug/l		99
51) 4-Methyl-2-Pentanone	9.994	43	1331129	773.306	ug/l		99
52) Toluene	10.170	92	1470005	152.593	ug/l		98
53) t-1,3-Dichloropropene	10.390	75	683926	154.922	ug/l		96
54) cis-1,3-Dichloropropene	9.853	75	804716	153.345	ug/l		98
55) 1,1,2-Trichloroethane	10.573	97	405335	147.287	ug/l		99
56) Ethyl methacrylate	10.439	69	530305	168.507	ug/l		99
57) 1,3-Dichloropropane	10.713	76	650614	147.471	ug/l		99
58) 2-Chloroethyl Vinyl ether	9.707	63	1292633	840.076	ug/l		98
59) 2-Hexanone	10.756	43	896663	789.752	ug/l		99
60) Dibromochloromethane	10.908	129	574423	150.763	ug/l		100
61) 1,2-Dibromoethane	11.012	107	386950	148.938	ug/l		100
64) Tetrachloroethene	10.646	164	648295	136.828	ug/l		99
65) Chlorobenzene	11.438	112	1644879	146.452	ug/l		98
66) 1,1,1,2-Tetrachloroethane	11.518	131	584913	147.925	ug/l		100
67) Ethyl Benzene	11.518	91	2859582	155.641	ug/l		99
68) m/p-Xylenes	11.627	106	2270756	310.594	ug/l		99
69) o-Xylene	11.950	106	1079036	160.131	ug/l		99
70) Styrene	11.969	104	1821333	160.979	ug/l		100
71) Bromoform	12.127	173	345783	150.413	ug/l	#	99
73) Isopropylbenzene	12.255	105	2766822	161.622	ug/l		99
74) N-amyl acetate	12.066	43	481095	163.570	ug/l		97
75) 1,1,2,2-Tetrachloroethane	12.505	83	428838	148.581	ug/l		99
76) 1,2,3-Trichloropropane	12.554	75	304860m	135.026	ug/l		
77) Bromobenzene	12.530	156	677176	156.545	ug/l		98
78) n-propylbenzene	12.591	91	3191904	156.567	ug/l		99
79) 2-Chlorotoluene	12.676	91	1838218	155.043	ug/l		100
80) 1,3,5-Trimethylbenzene	12.737	105	2227887	157.948	ug/l		100
81) trans-1,4-Dichloro-2-b...	12.298	75	138838	152.337	ug/l		98
82) 4-Chlorotoluene	12.774	91	1879346	152.484	ug/l		99
83) tert-Butylbenzene	12.993	119	2076003	164.108	ug/l		100
84) 1,2,4-Trimethylbenzene	13.042	105	2263509	160.437	ug/l		100
85) sec-Butylbenzene	13.176	105	2910397	157.224	ug/l		99
86) p-Isopropyltoluene	13.292	119	2552924	162.413	ug/l		99
87) 1,3-Dichlorobenzene	13.286	146	1339029	152.409	ug/l		99
88) 1,4-Dichlorobenzene	13.365	146	1293200	148.621	ug/l		98
89) n-Butylbenzene	13.615	91	2244063	159.720	ug/l		99
90) Hexachloroethane	13.877	117	520392	150.683	ug/l		98
91) 1,2-Dichlorobenzene	13.658	146	1156637	150.940	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	14.273	75	66731	145.323	ug/l		97
93) 1,2,4-Trichlorobenzene	14.919	180	737198	169.770	ug/l		99
94) Hexachlorobutadiene	15.023	225	417808	156.384	ug/l		99
95) Naphthalene	15.145	128	1336140	185.231	ug/l		99
96) 1,2,3-Trichlorobenzene	15.328	180	634152	169.182	ug/l		100

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY042225\
Data File : VY021958.D
Acq On : 22 Apr 2025 16:15
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 :Semsettin Yesilyurt 04/23/2025
Supervised By :Mahesh Dadoda 04/23/2025

Quant Time: Apr 23 02:13:23 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
Quant Title : SW846 8260
QLast Update : Wed Apr 23 02:02:03 2025
Response via : Initial Calibration

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

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

ICAL Form

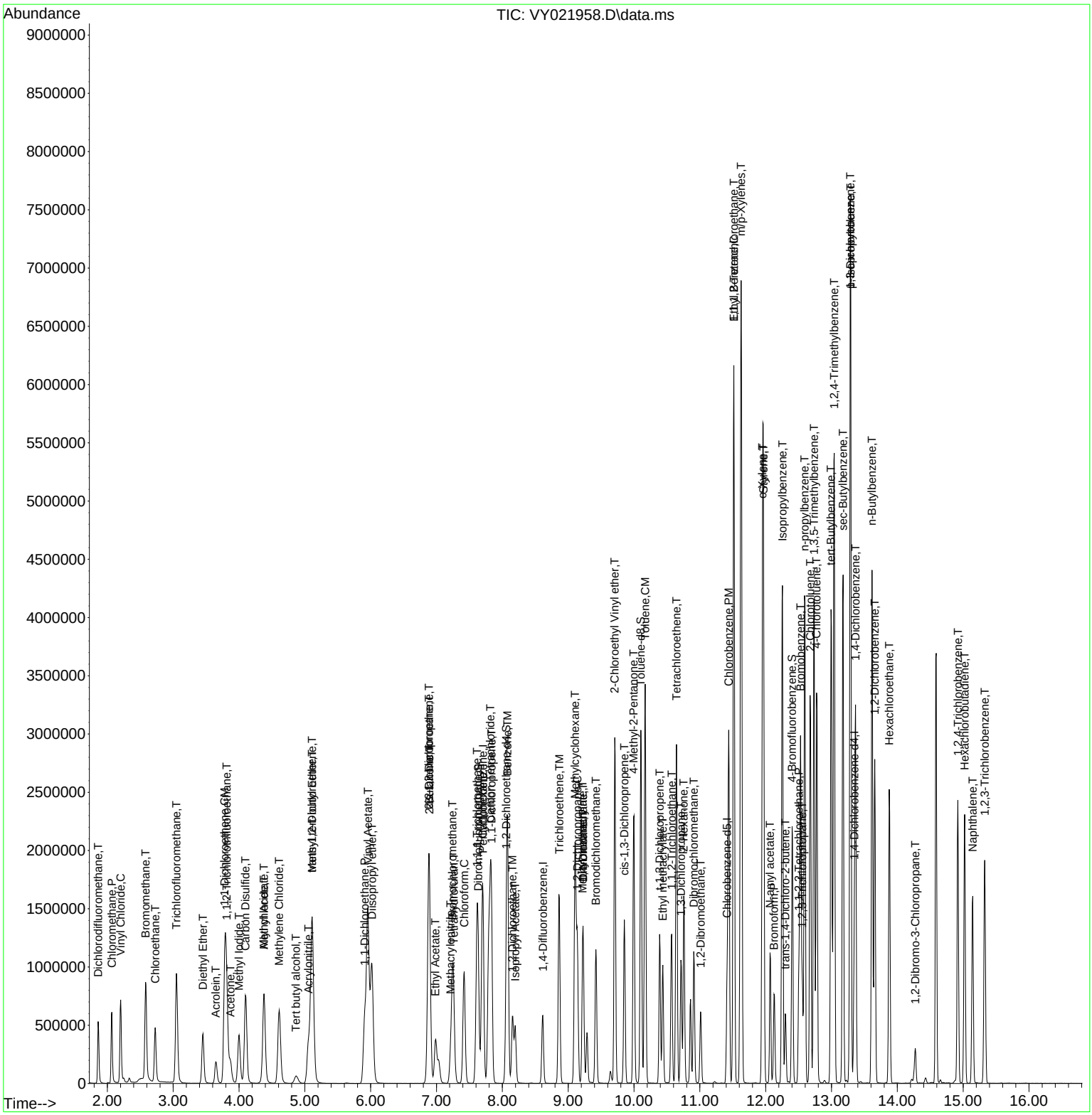
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY042225\
Data File : VY021958.D
Acq On : 22 Apr 2025 16:15
Operator : SY/MD
Sample : VSTDICC150
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Apr 23 02:13:23 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
Quant Title : SW846 8260
QLast Update : Wed Apr 23 02:02:03 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 04/23/2025
Supervised By :Mahesh Dadoda 04/23/2025



Raw Data: **VY021962.D**

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.: Q1858 SAS No.: Q1858 SDG No.: Q1858

Instrument ID: MSVOA_Y Calibration Date/Time: 04/23/2025 09:57

Lab File ID: VY021962.D Init. Calib. Date(s): 04/22/2025 04/22/2025

Heated Purge: (Y/N) Y Init. Calib. Time(s): 13:39 16:15

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

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
cis-1,2-Dichloroethene	0.622	0.605		-2.73	20
1,1,1-Trichloroethane	0.896	0.858		-4.24	20
Benzene	1.387	1.381		-0.43	20
Trichloroethene	0.384	0.371		-3.38	20
Toluene	0.898	0.927		3.23	20
Ethyl Benzene	1.829	1.881		2.84	20
m/p-Xylenes	0.728	0.756		3.85	20
o-Xylene	0.671	0.693		3.28	20
Isopropylbenzene	3.341	3.454		3.38	20
1,2-Dichloroethane-d4	0.462	0.438		-5.2	20
Dibromofluoromethane	0.330	0.325		-1.51	20
Toluene-d8	1.245	1.266		1.69	20
4-Bromofluorobenzene	0.419	0.422		0.72	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\VY042325\
Data File : VY021962.D
Acq On : 23 Apr 2025 09:57
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Apr 24 03:44:22 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
Quant Title : SW846 8260
QLast Update : Wed Apr 23 02:30:30 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 04/25/2025
Supervised By :Semsettin Yesilyurt 04/25/2025

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) Pentafluorobenzene	7.713	168	304636	50.000 ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	465219	50.000 ug/l	0.00
63) Chlorobenzene-d5	11.420	117	430304	50.000 ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	227723	50.000 ug/l	0.00
System Monitoring Compounds					
33) 1,2-Dichloroethane-d4	8.061	65	133520	47.451 ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 94.900%		
35) Dibromofluoromethane	7.634	113	151319	49.234 ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 98.460%		
50) Toluene-d8	10.109	98	589167	50.847 ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 101.700%		
62) 4-Bromofluorobenzene	12.408	95	196424	50.357 ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 100.720%		
Target Compounds					Qvalue
2) Dichlorodifluoromethane	1.867	85	116536	44.894 ug/l	99
3) Chloromethane	2.068	50	181350	49.065 ug/l	99
4) Vinyl Chloride	2.202	62	217446	47.874 ug/l	100
5) Bromomethane	2.599	94	182857	46.729 ug/l	100
6) Chloroethane	2.733	64	152398	49.267 ug/l	98
7) Trichlorofluoromethane	3.056	101	287420	47.989 ug/l	98
8) Diethyl Ether	3.452	74	69537	44.607 ug/l	97
9) 1,1,2-Trichlorotrifluo...	3.818	101	149408	45.985 ug/l	99
10) Methyl Iodide	4.007	142	183739	48.844 ug/l	98
11) Tert butyl alcohol	4.879	59	31210	202.034 ug/l #	88
12) 1,1-Dichloroethene	3.793	96	143778	47.476 ug/l	99
13) Acrolein	3.659	56	56593	204.115 ug/l	97
14) Allyl chloride	4.385	41	168316	47.732 ug/l	100
15) Acrylonitrile	5.061	53	126185	221.107 ug/l	99
16) Acetone	3.879	43	84438	227.318 ug/l	91
17) Carbon Disulfide	4.104	76	465690	48.228 ug/l	99
18) Methyl Acetate	4.391	43	60532	46.052 ug/l	99
19) Methyl tert-butyl Ether	5.122	73	317518	46.844 ug/l	99
20) Methylene Chloride	4.616	84	157872	44.370 ug/l	98
21) trans-1,2-Dichloroethene	5.116	96	166597	49.120 ug/l	96
22) Diisopropyl ether	6.019	45	390556	49.769 ug/l	97
23) Vinyl Acetate	5.964	43	1018467	240.820 ug/l	100
24) 1,1-Dichloroethane	5.915	63	261269	48.033 ug/l	98
25) 2-Butanone	6.896	43	139641	217.710 ug/l	99
26) 2,2-Dichloropropane	6.890	77	231168	48.489 ug/l	99
27) cis-1,2-Dichloroethene	6.890	96	184296	48.597 ug/l	99
28) Bromochloromethane	7.250	49	102469	48.500 ug/l	99
29) Tetrahydrofuran	7.262	42	93574	224.622 ug/l	98
30) Chloroform	7.421	83	294102	48.745 ug/l	100
31) Cyclohexane	7.701	56	220118	47.322 ug/l	100
32) 1,1,1-Trichloroethane	7.616	97	261492	47.904 ug/l	100
36) 1,1-Dichloropropene	7.835	75	207306	50.213 ug/l	99
37) Ethyl Acetate	6.988	43	65822	44.392 ug/l	98
38) Carbon Tetrachloride	7.817	117	244632	49.588 ug/l	97
39) Methylcyclohexane	9.110	83	257532	49.568 ug/l	97
40) Benzene	8.079	78	642424	49.779 ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY042325\
Data File : VY021962.D
Acq On : 23 Apr 2025 09:57
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Apr 24 03:44:22 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
Quant Title : SW846 8260
QLast Update : Wed Apr 23 02:30:30 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 04/25/2025
Supervised By :Semsettin Yesilyurt 04/25/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.226	41	36422	44.935	ug/l		97
42) 1,2-Dichloroethane	8.158	62	153778	48.127	ug/l		100
43) Isopropyl Acetate	8.201	43	131510	46.184	ug/l		98
44) Trichloroethene	8.866	130	172785	48.336	ug/l		98
45) 1,2-Dichloropropane	9.140	63	142245	49.841	ug/l		98
46) Dibromomethane	9.231	93	86051	48.165	ug/l		99
47) Bromodichloromethane	9.427	83	222639	49.884	ug/l		99
48) Methyl methacrylate	9.219	41	63582	48.301	ug/l		99
49) 1,4-Dioxane	9.244	88	17347	910.985	ug/l	#	90
51) 4-Methyl-2-Pentanone	10.000	43	354051	237.188	ug/l		100
52) Toluene	10.170	92	431458	51.648	ug/l		99
53) t-1,3-Dichloropropene	10.396	75	186739	48.779	ug/l		96
54) cis-1,3-Dichloropropene	9.859	75	226412	49.753	ug/l		99
55) 1,1,2-Trichloroethane	10.573	97	115302	48.315	ug/l		99
56) Ethyl methacrylate	10.439	69	135058	49.489	ug/l		99
57) 1,3-Dichloropropane	10.719	76	187872	49.107	ug/l		99
58) 2-Chloroethyl Vinyl ether	9.713	63	330303	247.543	ug/l		100
59) 2-Hexanone	10.762	43	233063	236.717	ug/l		98
60) Dibromochloromethane	10.914	129	162089	49.058	ug/l		99
61) 1,2-Dibromoethane	11.018	107	109207	48.473	ug/l		98
64) Tetrachloroethene	10.646	164	194016	47.795	ug/l		99
65) Chlorobenzene	11.444	112	471216	48.969	ug/l		100
66) 1,1,1,2-Tetrachloroethane	11.518	131	169077	49.909	ug/l		100
67) Ethyl Benzene	11.518	91	809578	51.431	ug/l		98
68) m/p-Xylenes	11.627	106	651015	103.933	ug/l		99
69) o-Xylene	11.957	106	298324	51.674	ug/l		100
70) Styrene	11.969	104	510378	52.652	ug/l		100
71) Bromoform	12.133	173	94049	47.750	ug/l	#	100
73) Isopropylbenzene	12.255	105	786442	51.691	ug/l		100
74) N-amyl acetate	12.072	43	122929	47.028	ug/l		99
75) 1,1,2,2-Tetrachloroethane	12.505	83	119870	46.731	ug/l		99
76) 1,2,3-Trichloropropane	12.560	75	92788m	47.570	ug/l		
77) Bromobenzene	12.536	156	191765	49.881	ug/l		99
78) n-propylbenzene	12.597	91	937068	51.719	ug/l		100
79) 2-Chlorotoluene	12.682	91	534581	50.734	ug/l		99
80) 1,3,5-Trimethylbenzene	12.737	105	656821	52.396	ug/l		100
81) trans-1,4-Dichloro-2-b...	12.304	75	36526	45.095	ug/l		98
82) 4-Chlorotoluene	12.780	91	565209	51.601	ug/l		99
83) tert-Butylbenzene	12.999	119	572255	50.900	ug/l		98
84) 1,2,4-Trimethylbenzene	13.042	105	654511	52.200	ug/l		99
85) sec-Butylbenzene	13.176	105	854324	51.930	ug/l		100
86) p-Isopropyltoluene	13.292	119	722898	51.747	ug/l		100
87) 1,3-Dichlorobenzene	13.292	146	390395	49.998	ug/l		99
88) 1,4-Dichlorobenzene	13.371	146	378229	48.910	ug/l		99
89) n-Butylbenzene	13.621	91	639690	51.230	ug/l		100
90) Hexachloroethane	13.883	117	151676	49.417	ug/l		98
91) 1,2-Dichlorobenzene	13.664	146	336961	49.478	ug/l		100
92) 1,2-Dibromo-3-Chloropr...	14.273	75	17627	43.193	ug/l		96
93) 1,2,4-Trichlorobenzene	14.919	180	185069	47.955	ug/l		99
94) Hexachlorobutadiene	15.023	225	114409	48.184	ug/l		99
95) Naphthalene	15.145	128	298015	46.487	ug/l		100
96) 1,2,3-Trichlorobenzene	15.328	180	158449	47.564	ug/l		99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY042325\
Data File : VY021962.D
Acq On : 23 Apr 2025 09:57
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Apr 24 03:44:22 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
Quant Title : SW846 8260
QLast Update : Wed Apr 23 02:30:30 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 04/25/2025
Supervised By :Semsettin Yesilyurt 04/25/2025

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

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

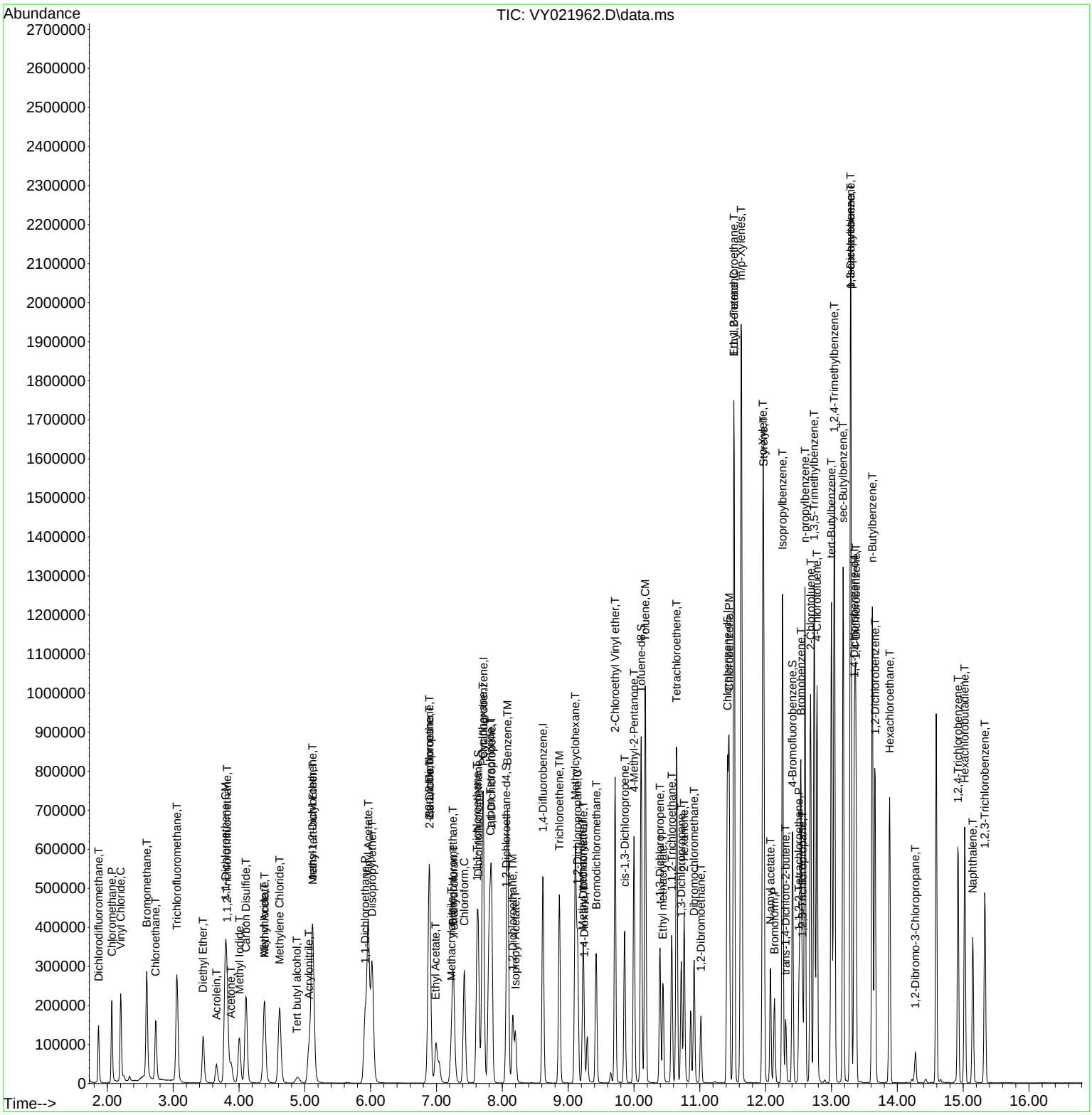
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY042325\
Data File : VY021962.D
Acq On : 23 Apr 2025 09:57
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Apr 24 03:44:22 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
Quant Title : SW846 8260
QLast Update : Wed Apr 23 02:30:30 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 04/25/2025
Supervised By :Semsettin Yesilyurt 04/25/2025



Sample Results: **VY021962.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY042325\
Data File : VY021962.D
Acq On : 23 Apr 2025 09:57
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: Apr 24 03:44:22 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
Quant Title : SW846 8260
QLast Update : Wed Apr 23 02:30:30 2025
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	0.00
2	T	Dichlorodifluoromethane	0.426	0.383	10.1	92	0.00
3	P	Chloromethane	0.607	0.595	2.0	94	0.00
4	C	Vinyl Chloride	0.745	0.714	4.2#	93	0.00
5	T	Bromomethane	0.642	0.600	6.5	95	0.00
6	T	Chloroethane	0.508	0.500	1.6	96	0.00
7	T	Trichlorofluoromethane	0.983	0.943	4.1	93	0.00
8	T	Diethyl Ether	0.256	0.228	10.9	87	0.00
9	T	1,1,2-Trichlorotrifluoroeth	0.533	0.490	8.1	95	0.00
10	T	Methyl Iodide	0.617	0.603	2.3	91	0.00
11	T	Tert butyl alcohol	0.025	0.020	20.0	74	0.00
12	CM	1,1-Dichloroethene	0.497	0.472	5.0#	95	0.00
13	T	Acrolein	0.046	0.037	19.6	83	0.00
14	T	Allyl chloride	0.579	0.553	4.5	94	0.00
15	T	Acrylonitrile	0.094	0.083	11.7	84	0.00
16	T	Acetone	0.070	0.055	21.4	83	0.00
17	T	Carbon Disulfide	1.585	1.529	3.5	97	0.00
18	T	Methyl Acetate	0.216	0.199	7.9	84	0.00
19	T	Methyl tert-butyl Ether	1.113	1.042	6.4	87	0.00
20	T	Methylene Chloride	0.584	0.518	11.3	92	0.00
21	T	trans-1,2-Dichloroethene	0.557	0.547	1.8	97	0.01
22	T	Diisopropyl ether	1.288	1.282	0.5	94	0.00
23	T	Vinyl Acetate	0.694	0.669	3.6	88	0.00
24	P	1,1-Dichloroethane	0.893	0.858	3.9	95	0.00
25	T	2-Butanone	0.105	0.092	12.4	82	0.00
26	T	2,2-Dichloropropane	0.782	0.759	2.9	97	0.00
27	T	cis-1,2-Dichloroethene	0.622	0.605	2.7	94	0.00
28	T	Bromochloromethane	0.347	0.336	3.2	93	0.00
29	T	Tetrahydrofuran	0.068	0.061	10.3	80	0.00
30	C	Chloroform	0.990	0.965	2.5#	96	0.00
31	T	Cyclohexane	0.763	0.723	5.2	97	0.00
32	T	1,1,1-Trichloroethane	0.896	0.858	4.2	95	0.00
33	S	1,2-Dichloroethane-d4	0.462	0.438	5.2	89	0.00
34	I	1,4-Difluorobenzene	1.000	1.000	0.0	93	0.00
35	S	Dibromofluoromethane	0.330	0.325	1.5	92	0.00
36	T	1,1-Dichloropropene	0.444	0.446	-0.5	98	0.00
37	T	Ethyl Acetate	0.159	0.141	11.3	82	0.00
38	T	Carbon Tetrachloride	0.530	0.526	0.8	97	0.00
39	T	Methylcyclohexane	0.558	0.554	0.7	94	0.00
40	TM	Benzene	1.387	1.381	0.4	96	0.00
41	T	Methacrylonitrile	0.087	0.078	10.3	79	0.00
42	TM	1,2-Dichloroethane	0.343	0.331	3.5	92	0.00
43	T	Isopropyl Acetate	0.306	0.283	7.5	84	0.00
44	TM	Trichloroethene	0.384	0.371	3.4	94	0.00
45	C	1,2-Dichloropropane	0.307	0.306	0.3#	95	0.00
46	T	Dibromomethane	0.192	0.185	3.6	92	0.00
47	T	Bromodichloromethane	0.480	0.479	0.2	95	0.00
48	T	Methyl methacrylate	0.141	0.137	2.8	85	0.00

Sample Results: **VY021962.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY042325\
Data File : VY021962.D
Acq On : 23 Apr 2025 09:57
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: Apr 24 03:44:22 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
Quant Title : SW846 8260
QLast Update : Wed Apr 23 02:30:30 2025
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	85	0.00
50	S	Toluene-d8	1.245	1.266	-1.7	92	0.00
51	T	4-Methyl-2-Pentanone	0.160	0.152	5.0	83	0.00
52	CM	Toluene	0.898	0.927	-3.2#	97	0.00
53	T	t-1,3-Dichloropropene	0.411	0.401	2.4	90	0.00
54	T	cis-1,3-Dichloropropene	0.489	0.487	0.4	94	0.00
55	T	1,1,2-Trichloroethane	0.256	0.248	3.1	90	0.00
56	T	Ethyl methacrylate	0.293	0.290	1.0	85	0.00
57	T	1,3-Dichloropropane	0.411	0.404	1.7	92	0.00
58	T	2-Chloroethyl Vinyl ether	0.143	0.142	0.7	82	0.00
59	T	2-Hexanone	0.106	0.100	5.7	81	0.00
60	T	Dibromochloromethane	0.355	0.348	2.0	92	0.00
61	T	1,2-Dibromoethane	0.242	0.235	2.9	91	0.00
62	S	4-Bromofluorobenzene	0.419	0.422	-0.7	92	0.00
63	I	Chlorobenzene-d5	1.000	1.000	0.0	94	0.00
64	T	Tetrachloroethene	0.472	0.451	4.4	93	0.00
65	PM	Chlorobenzene	1.118	1.095	2.1	95	0.00
66	T	1,1,1,2-Tetrachloroethane	0.394	0.393	0.3	95	0.00
67	C	Ethyl Benzene	1.829	1.881	-2.8#	96	0.00
68	T	m/p-Xylenes	0.728	0.756	-3.8	97	0.00
69	T	o-Xylene	0.671	0.693	-3.3	94	0.00
70	T	Styrene	1.126	1.186	-5.3	95	0.00
71	P	Bromoform	0.229	0.219	4.4	89	0.00
72	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	93	0.00
73	T	Isopropylbenzene	3.341	3.454	-3.4	96	0.00
74	T	N-amyl acetate	0.574	0.540	5.9	85	0.00
75	P	1,1,2,2-Tetrachloroethane	0.563	0.526	6.6	89	0.00
76	T	1,2,3-Trichloropropane	0.428	0.407	4.9	93	0.00
77	T	Bromobenzene	0.844	0.842	0.2	94	0.00
78	T	n-propylbenzene	3.978	4.115	-3.4	96	0.00
79	T	2-Chlorotoluene	2.314	2.348	-1.5	95	0.00
80	T	1,3,5-Trimethylbenzene	2.752	2.884	-4.8	95	0.00
81	T	trans-1,4-Dichloro-2-butene	0.178	0.160	10.1	84	0.00
82	T	4-Chlorotoluene	2.405	2.482	-3.2	97	0.00
83	T	tert-Butylbenzene	2.468	2.513	-1.8	93	0.00
84	T	1,2,4-Trimethylbenzene	2.753	2.874	-4.4	96	0.00
85	T	sec-Butylbenzene	3.612	3.752	-3.9	96	0.00
86	T	p-Isopropyltoluene	3.067	3.174	-3.5	95	0.00
87	T	1,3-Dichlorobenzene	1.714	1.714	0.0	96	0.00
88	T	1,4-Dichlorobenzene	1.698	1.661	2.2	95	0.00
89	T	n-Butylbenzene	2.742	2.809	-2.4	95	0.00
90	T	Hexachloroethane	0.674	0.666	1.2	97	0.00
91	T	1,2-Dichlorobenzene	1.495	1.480	1.0	94	0.00
92	T	1,2-Dibromo-3-Chloropropane	0.090	0.077	14.4	85	0.00
93	T	1,2,4-Trichlorobenzene	0.847	0.813	4.0	91	0.00
94	T	Hexachlorobutadiene	0.521	0.502	3.6	97	0.00
95	T	Naphthalene	1.408	1.309	7.0	84	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY042325\
Data File : VY021962.D
Acq On : 23 Apr 2025 09:57
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: Apr 24 03:44:22 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
Quant Title : SW846 8260
QLast Update : Wed Apr 23 02:30:30 2025
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	0.731	0.696	4.8	91	0.00

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

Sample Results: **VY021962.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY042325\
Data File : VY021962.D
Acq On : 23 Apr 2025 09:57
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: Apr 24 03:44:22 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
Quant Title : SW846 8260
QLast Update : Wed Apr 23 02:30:30 2025
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	0.00
2	T	Dichlorodifluoromethane	50.000	44.894	10.2	92	0.00
3	P	Chloromethane	50.000	49.065	1.9	94	0.00
4	C	Vinyl Chloride	50.000	47.874	4.3#	93	0.00
5	T	Bromomethane	50.000	46.729	6.5	95	0.00
6	T	Chloroethane	50.000	49.267	1.5	96	0.00
7	T	Trichlorofluoromethane	50.000	47.989	4.0	93	0.00
8	T	Diethyl Ether	50.000	44.607	10.8	87	0.00
9	T	1,1,2-Trichlorotrifluoroeth	50.000	45.985	8.0	95	0.00
10	T	Methyl Iodide	50.000	48.844	2.3	91	0.00
11	T	Tert butyl alcohol	250.000	202.034	19.2	74	0.00
12	CM	1,1-Dichloroethene	50.000	47.476	5.0#	95	0.00
13	T	Acrolein	250.000	204.115	18.4	83	0.00
14	T	Allyl chloride	50.000	47.732	4.5	94	0.00
15	T	Acrylonitrile	250.000	221.107	11.6	84	0.00
16	T	Acetone	250.000	227.318	9.1	83	0.00
17	T	Carbon Disulfide	50.000	48.228	3.5	97	0.00
18	T	Methyl Acetate	50.000	46.052	7.9	84	0.00
19	T	Methyl tert-butyl Ether	50.000	46.844	6.3	87	0.00
20	T	Methylene Chloride	50.000	44.370	11.3	92	0.00
21	T	trans-1,2-Dichloroethene	50.000	49.120	1.8	97	0.01
22	T	Diisopropyl ether	50.000	49.769	0.5	94	0.00
23	T	Vinyl Acetate	250.000	240.820	3.7	88	0.00
24	P	1,1-Dichloroethane	50.000	48.033	3.9	95	0.00
25	T	2-Butanone	250.000	217.710	12.9	82	0.00
26	T	2,2-Dichloropropane	50.000	48.489	3.0	97	0.00
27	T	cis-1,2-Dichloroethene	50.000	48.597	2.8	94	0.00
28	T	Bromochloromethane	50.000	48.500	3.0	93	0.00
29	T	Tetrahydrofuran	250.000	224.622	10.2	80	0.00
30	C	Chloroform	50.000	48.745	2.5#	96	0.00
31	T	Cyclohexane	50.000	47.322	5.4	97	0.00
32	T	1,1,1-Trichloroethane	50.000	47.904	4.2	95	0.00
33	S	1,2-Dichloroethane-d4	50.000	47.451	5.1	89	0.00
34	I	1,4-Difluorobenzene	50.000	50.000	0.0	93	0.00
35	S	Dibromofluoromethane	50.000	49.234	1.5	92	0.00
36	T	1,1-Dichloropropene	50.000	50.213	-0.4	98	0.00
37	T	Ethyl Acetate	50.000	44.392	11.2	82	0.00
38	T	Carbon Tetrachloride	50.000	49.588	0.8	97	0.00
39	T	Methylcyclohexane	50.000	49.568	0.9	94	0.00
40	TM	Benzene	50.000	49.779	0.4	96	0.00
41	T	Methacrylonitrile	50.000	44.935	10.1	79	0.00
42	TM	1,2-Dichloroethane	50.000	48.127	3.7	92	0.00
43	T	Isopropyl Acetate	50.000	46.184	7.6	84	0.00
44	TM	Trichloroethene	50.000	48.336	3.3	94	0.00
45	C	1,2-Dichloropropane	50.000	49.841	0.3#	95	0.00
46	T	Dibromomethane	50.000	48.165	3.7	92	0.00
47	T	Bromodichloromethane	50.000	49.884	0.2	95	0.00
48	T	Methyl methacrylate	50.000	48.301	3.4	85	0.00

Sample Results: **VY021962.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY042325\
Data File : VY021962.D
Acq On : 23 Apr 2025 09:57
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: Apr 24 03:44:22 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
Quant Title : SW846 8260
QLast Update : Wed Apr 23 02:30:30 2025
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	910.985	8.9	85	0.00
50	S	Toluene-d8	50.000	50.847	-1.7	92	0.00
51	T	4-Methyl-2-Pentanone	250.000	237.188	5.1	83	0.00
52	CM	Toluene	50.000	51.648	-3.3#	97	0.00
53	T	t-1,3-Dichloropropene	50.000	48.779	2.4	90	0.00
54	T	cis-1,3-Dichloropropene	50.000	49.753	0.5	94	0.00
55	T	1,1,2-Trichloroethane	50.000	48.315	3.4	90	0.00
56	T	Ethyl methacrylate	50.000	49.489	1.0	85	0.00
57	T	1,3-Dichloropropane	50.000	49.107	1.8	92	0.00
58	T	2-Chloroethyl Vinyl ether	250.000	247.543	1.0	82	0.00
59	T	2-Hexanone	250.000	236.717	5.3	81	0.00
60	T	Dibromochloromethane	50.000	49.058	1.9	92	0.00
61	T	1,2-Dibromoethane	50.000	48.473	3.1	91	0.00
62	S	4-Bromofluorobenzene	50.000	50.357	-0.7	92	0.00
63	I	Chlorobenzene-d5	50.000	50.000	0.0	94	0.00
64	T	Tetrachloroethene	50.000	47.795	4.4	93	0.00
65	PM	Chlorobenzene	50.000	48.969	2.1	95	0.00
66	T	1,1,1,2-Tetrachloroethane	50.000	49.909	0.2	95	0.00
67	C	Ethyl Benzene	50.000	51.431	-2.9#	96	0.00
68	T	m/p-Xylenes	100.000	103.933	-3.9	97	0.00
69	T	o-Xylene	50.000	51.674	-3.3	94	0.00
70	T	Styrene	50.000	52.652	-5.3	95	0.00
71	P	Bromoform	50.000	47.750	4.5	89	0.00
72	I	1,4-Dichlorobenzene-d4	50.000	50.000	0.0	93	0.00
73	T	Isopropylbenzene	50.000	51.691	-3.4	96	0.00
74	T	N-amyl acetate	50.000	47.028	5.9	85	0.00
75	P	1,1,2,2-Tetrachloroethane	50.000	46.731	6.5	89	0.00
76	T	1,2,3-Trichloropropane	50.000	47.570	4.9	93	0.00
77	T	Bromobenzene	50.000	49.881	0.2	94	0.00
78	T	n-propylbenzene	50.000	51.719	-3.4	96	0.00
79	T	2-Chlorotoluene	50.000	50.734	-1.5	95	0.00
80	T	1,3,5-Trimethylbenzene	50.000	52.396	-4.8	95	0.00
81	T	trans-1,4-Dichloro-2-butene	50.000	45.095	9.8	84	0.00
82	T	4-Chlorotoluene	50.000	51.601	-3.2	97	0.00
83	T	tert-Butylbenzene	50.000	50.900	-1.8	93	0.00
84	T	1,2,4-Trimethylbenzene	50.000	52.200	-4.4	96	0.00
85	T	sec-Butylbenzene	50.000	51.930	-3.9	96	0.00
86	T	p-Isopropyltoluene	50.000	51.747	-3.5	95	0.00
87	T	1,3-Dichlorobenzene	50.000	49.998	0.0	96	0.00
88	T	1,4-Dichlorobenzene	50.000	48.910	2.2	95	0.00
89	T	n-Butylbenzene	50.000	51.230	-2.5	95	0.00
90	T	Hexachloroethane	50.000	49.417	1.2	97	0.00
91	T	1,2-Dichlorobenzene	50.000	49.478	1.0	94	0.00
92	T	1,2-Dibromo-3-Chloropropane	50.000	43.193	13.6	85	0.00
93	T	1,2,4-Trichlorobenzene	50.000	47.955	4.1	91	0.00
94	T	Hexachlorobutadiene	50.000	48.184	3.6	97	0.00
95	T	Naphthalene	50.000	46.487	7.0	84	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY042325\
Data File : VY021962.D
Acq On : 23 Apr 2025 09:57
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: Apr 24 03:44:22 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
Quant Title : SW846 8260
QLast Update : Wed Apr 23 02:30:30 2025
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	47.564	4.9	91	0.00

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

QC SAMPLE DATA

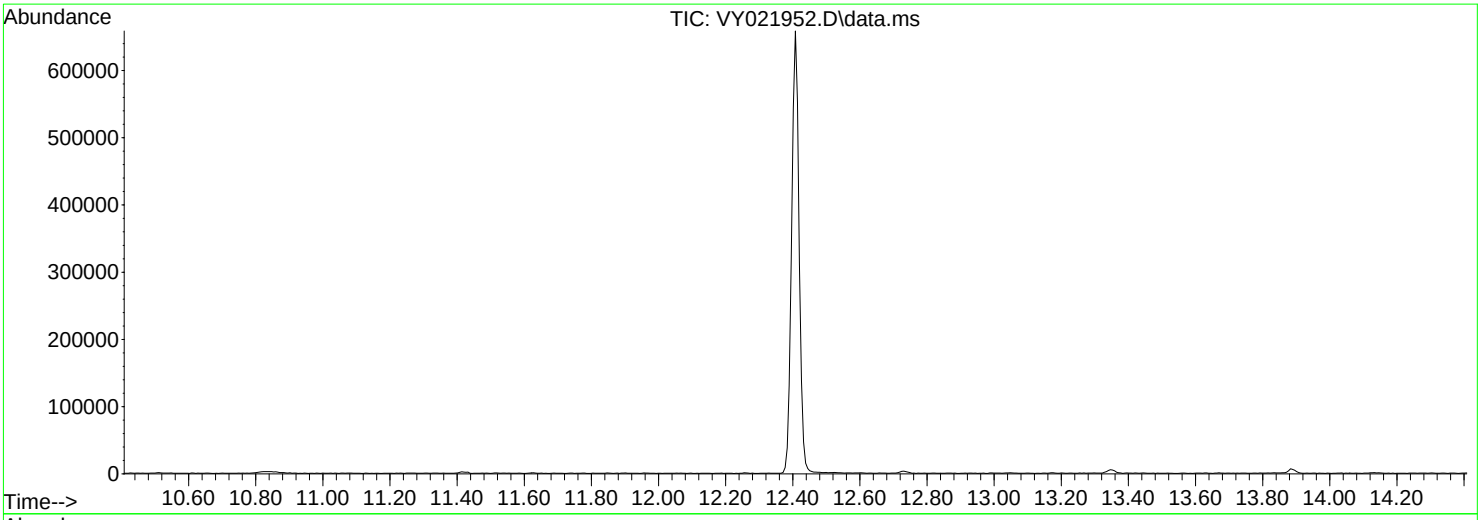
Sample Results: **VY021952.D**

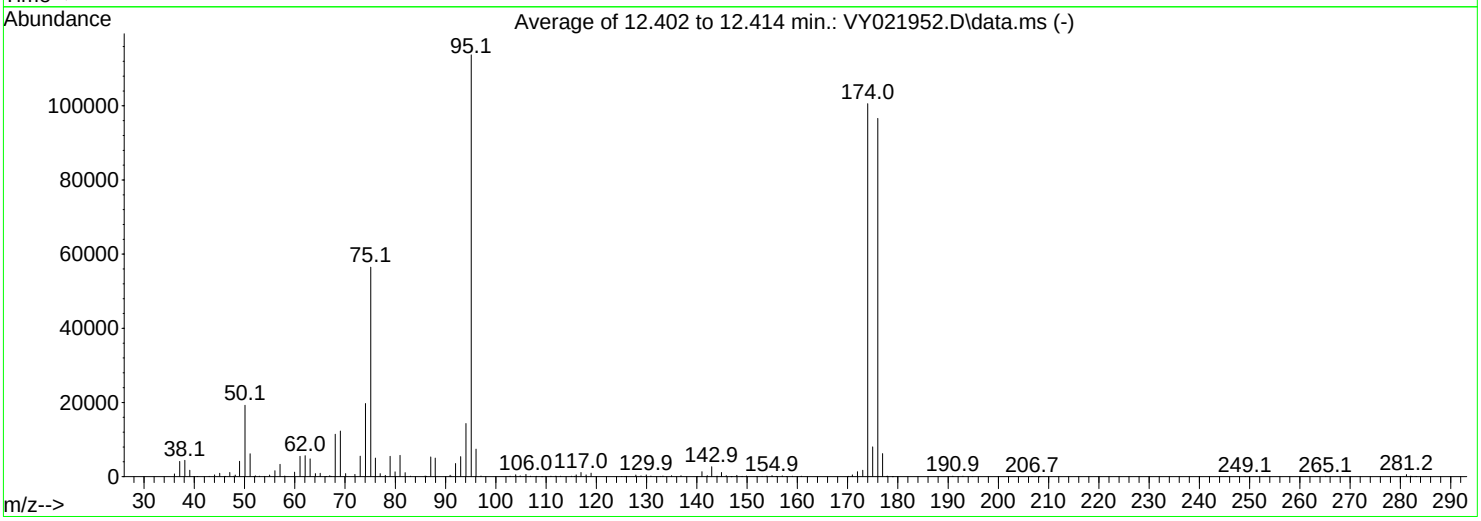
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY042225\
Data File : VY021952.D
Acq On : 22 Apr 2025 11:33
Operator : SY/MD
Sample : BFB
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
BFB

Integration File: RTEINT.P

Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
Title : SW846 8260
Last Update : Wed Apr 23 02:30:30 2025





AutoFind: Scans 1752, 1753, 1754; Background Corrected with Scan 1743

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	16.9	19237	PASS
75	95	30	60	49.7	56504	PASS
95	95	100	100	100.0	113749	PASS
96	95	5	9	6.5	7410	PASS
173	174	0.00	2	1.7	1741	PASS
174	95	50	100	88.4	100587	PASS
175	174	5	9	8.0	8046	PASS
176	174	95	101	96.1	96621	PASS
177	176	5	9	6.4	6205	PASS

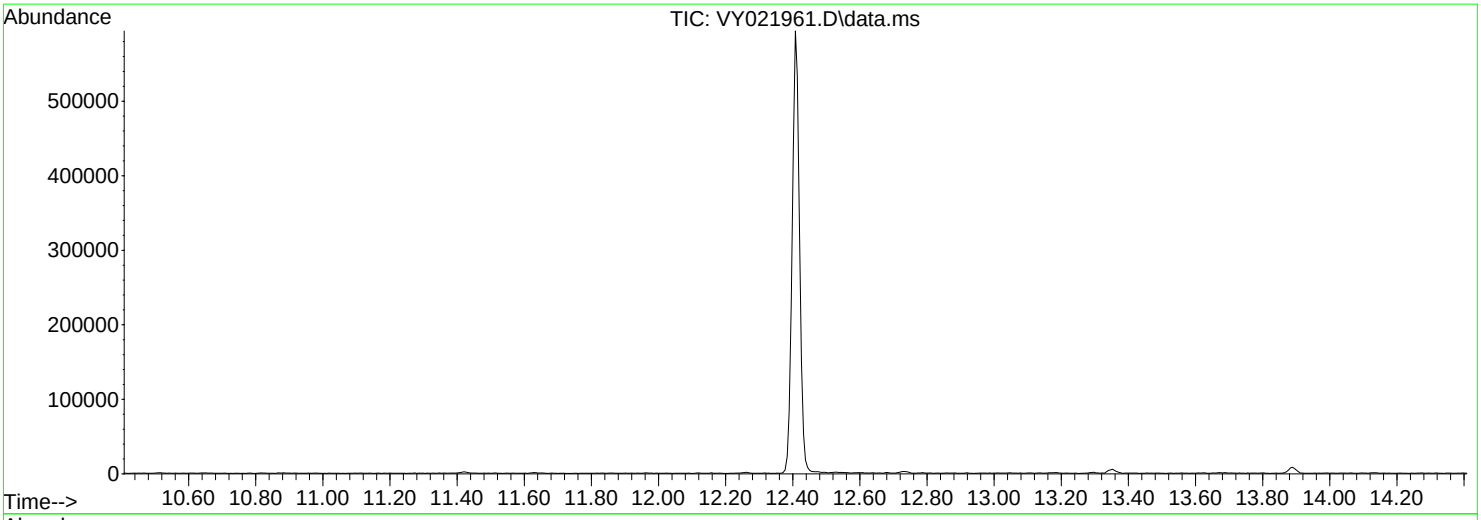
Sample Results: **VY021961.D**

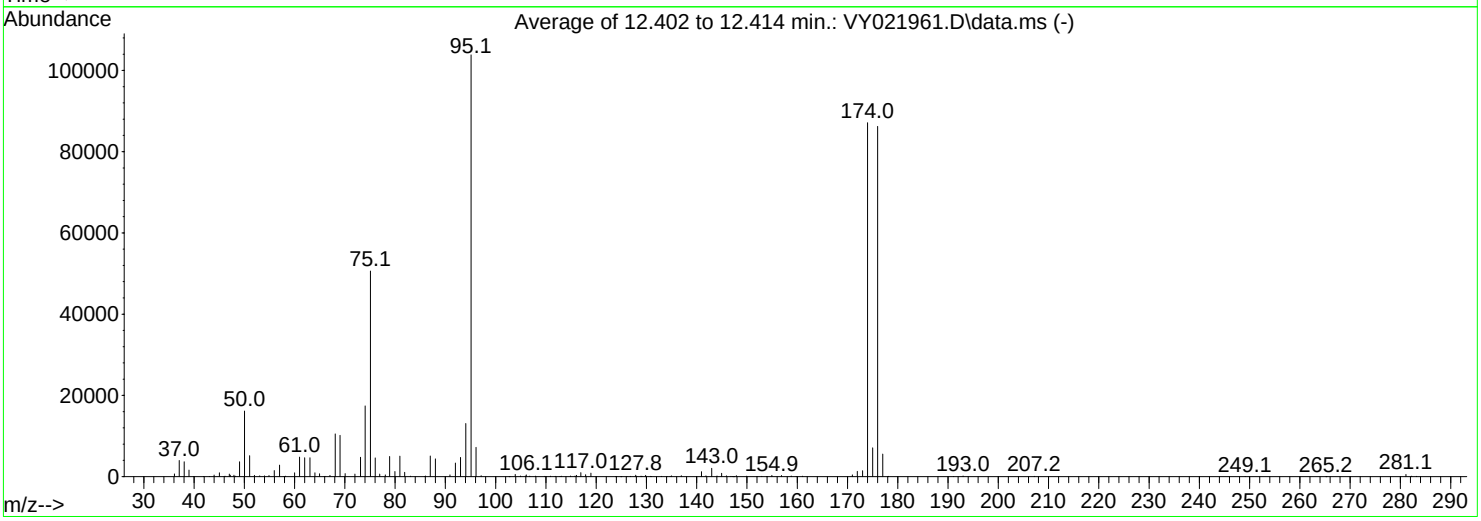
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY042325\
Data File : VY021961.D
Acq On : 23 Apr 2025 09:27
Operator : SY/MD
Sample : BFB
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
BFB

Integration File: RTEINT.P

Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
Title : SW846 8260
Last Update : Wed Apr 23 02:30:30 2025





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	15.6	16153	PASS
75	95	30	60	48.7	50608	PASS
95	95	100	100	100.0	103837	PASS
96	95	5	9	6.9	7204	PASS
173	174	0.00	2	1.7	1445	PASS
174	95	50	100	83.9	87128	PASS
175	174	5	9	8.1	7073	PASS
176	174	95	101	99.0	86221	PASS
177	176	5	9	6.4	5550	PASS

Raw Data: **VY021963.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:	Henry Lea School	Date Received:	
Client Sample ID:	VY0423SBL01	SDG No.:	Q1858
Lab Sample ID:	VY0423SBL01	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
VY021963.D	1		04/23/25 10:31	VY042325

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
156-59-2	cis-1,2-Dichloroethene	0.75	U	0.75	5.00	ug/Kg
71-55-6	1,1,1-Trichloroethane	0.93	U	0.93	5.00	ug/Kg
71-43-2	Benzene	0.79	U	0.79	5.00	ug/Kg
79-01-6	Trichloroethene	0.81	U	0.81	5.00	ug/Kg
108-88-3	Toluene	0.78	U	0.78	5.00	ug/Kg
100-41-4	Ethyl Benzene	0.67	U	0.67	5.00	ug/Kg
1330-20-7	Total Xylenes	2.02	U	2.02	15.0	ug/Kg
98-82-8	Isopropylbenzene	0.78	U	0.78	5.00	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	51.1		63 - 155	102%	SPK: 50
1868-53-7	Dibromofluoromethane	50.0		70 - 134	100%	SPK: 50
2037-26-5	Toluene-d8	47.6		74 - 123	95%	SPK: 50
460-00-4	4-Bromofluorobenzene	38.6		38 - 136	77%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	320000	7.713			
540-36-3	1,4-Difluorobenzene	599000	8.616			
3114-55-4	Chlorobenzene-d5	525000	11.42			
3855-82-1	1,4-Dichlorobenzene-d4	194000	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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY042325\
Data File : VY021963.D
Acq On : 23 Apr 2025 10:31
Operator : SY/MD
Sample : VY0423SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0423SBL01

Quant Time: Apr 24 03:44:43 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
Quant Title : SW846 8260
QLast Update : Wed Apr 23 02:30:30 2025
Response via : Initial Calibration

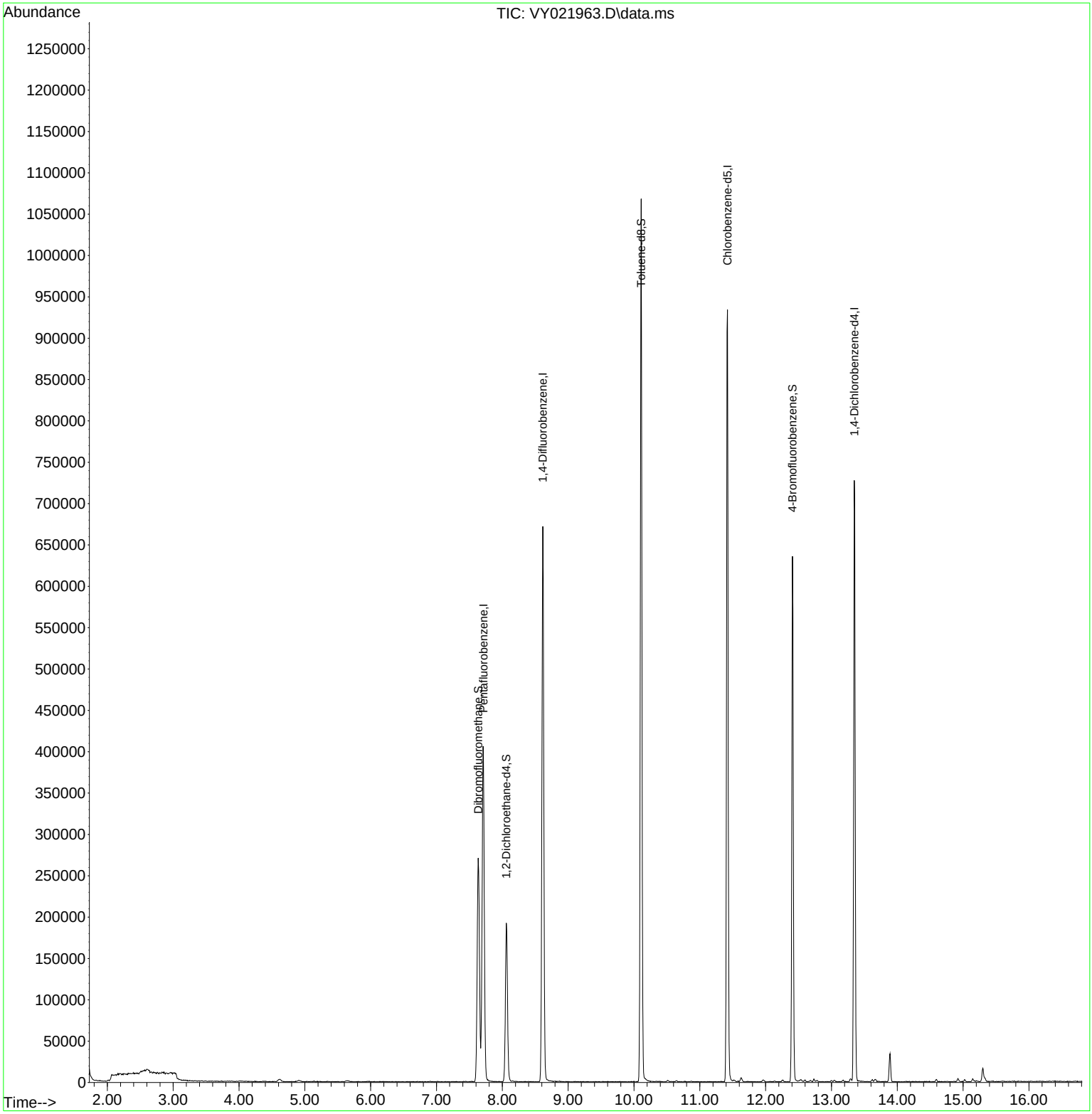
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.713	168	319981	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	599033	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	525205	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	194434	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	151146	51.139	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 102.280%			
35) Dibromofluoromethane	7.634	113	197999	50.031	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 100.060%			
50) Toluene-d8	10.109	98	710393	47.614	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 95.220%			
62) 4-Bromofluorobenzene	12.408	95	193641	38.554	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 77.100%			
Target Compounds						Qvalue

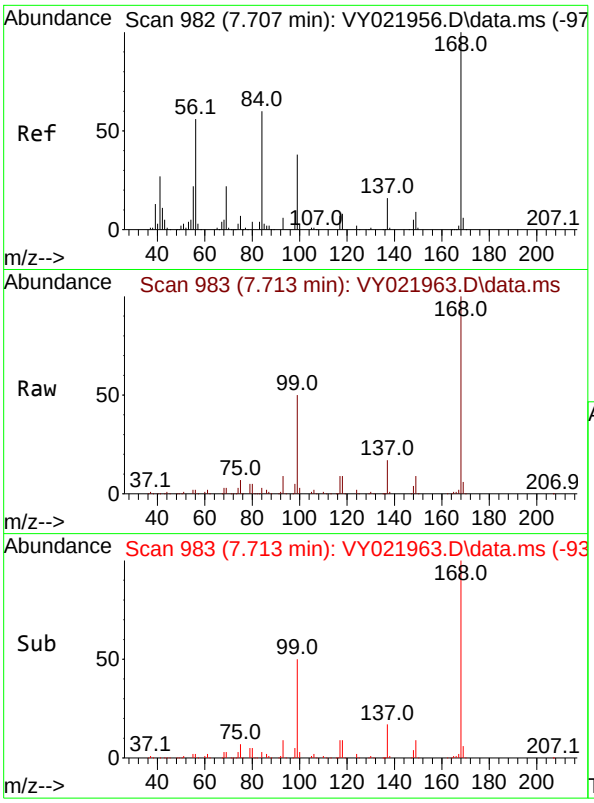
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY042325\
Data File : VY021963.D
Acq On : 23 Apr 2025 10:31
Operator : SY/MD
Sample : VY0423SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0423SBL01

Quant Time: Apr 24 03:44:43 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
Quant Title : SW846 8260
QLast Update : Wed Apr 23 02:30:30 2025
Response via : Initial Calibration



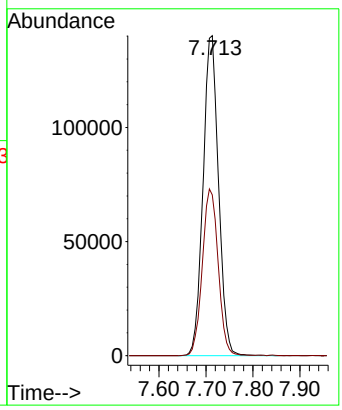


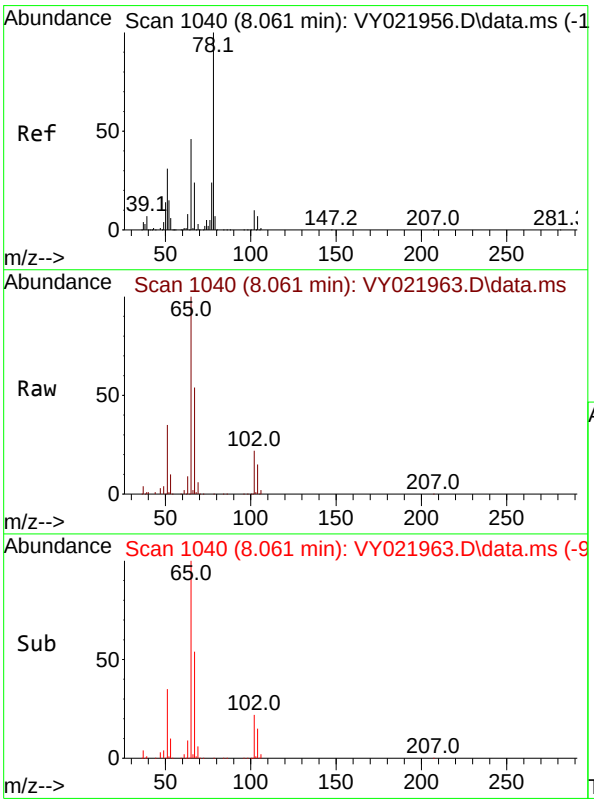
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 9
Delta R.T. 0.006 min
Lab File: VY021963.D
Acq: 23 Apr 2025 10:31

Instrument :
MSVOA_Y
ClientSampleId :
VY0423SBL01

Tgt Ion:168 Resp: 319981

Ion	Ratio	Lower	Upper
168	100		
99	50.2	43.1	64.7

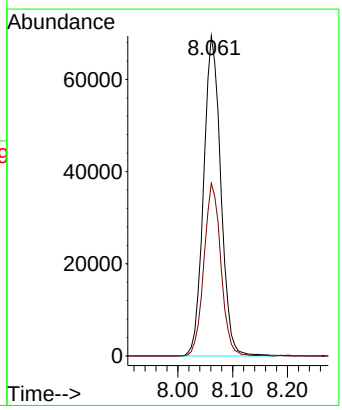


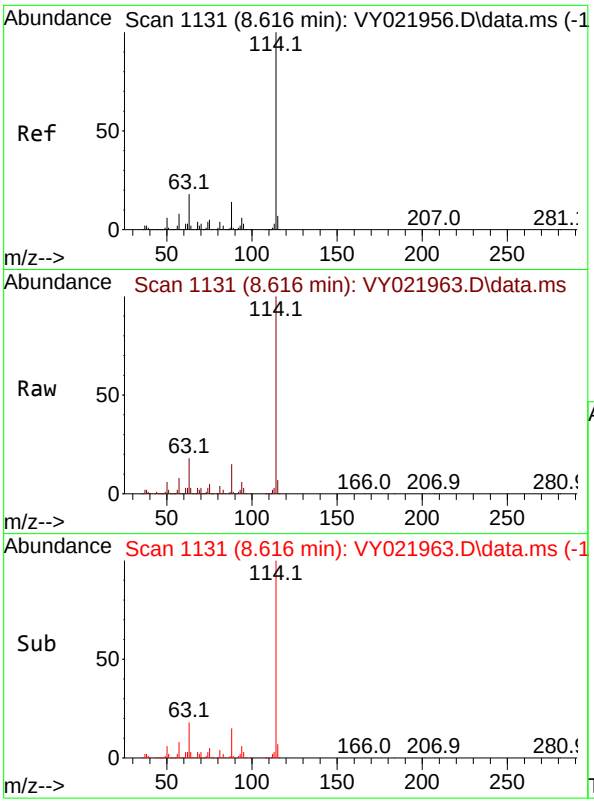


#33
1,2-Dichloroethane-d4
Concen: 51.139 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. 0.000 min
Lab File: VY021963.D
Acq: 23 Apr 2025 10:31

Tgt Ion: 65 Resp: 151146

Ion	Ratio	Lower	Upper
65	100		
67	53.0	0.0	105.8



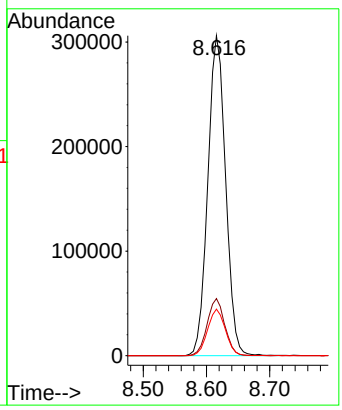


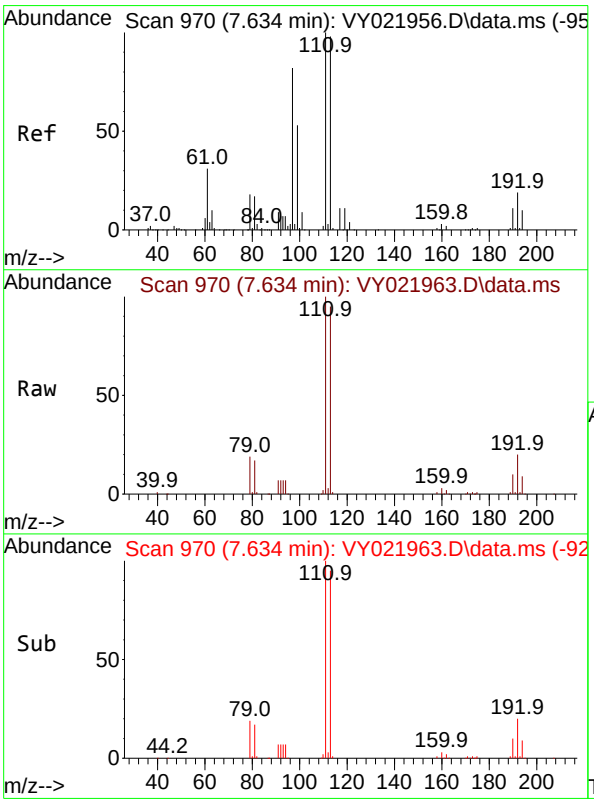
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY021963.D
Acq: 23 Apr 2025 10:31

Instrument :
MSVOA_Y
ClientSampleId :
VY0423SBL01

Tgt Ion:114 Resp: 599033

Ion	Ratio	Lower	Upper
114	100		
63	17.9	0.0	35.4
88	14.6	0.0	28.2

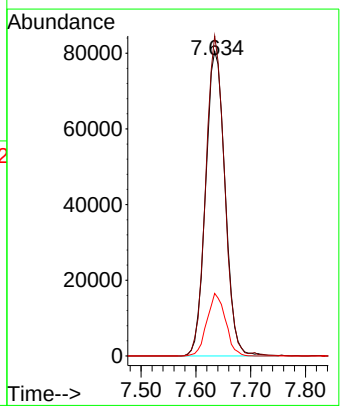


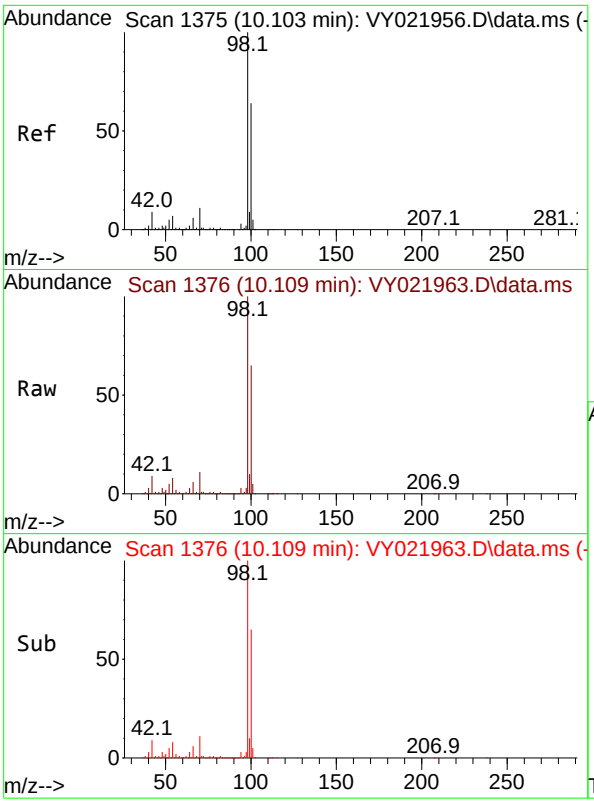


#35
Dibromofluoromethane
Concen: 50.031 ug/l
RT: 7.634 min Scan# 970
Delta R.T. 0.000 min
Lab File: VY021963.D
Acq: 23 Apr 2025 10:31

Tgt Ion:113 Resp: 197999

Ion	Ratio	Lower	Upper
113	100		
111	101.3	81.8	122.8
192	19.6	15.6	23.4



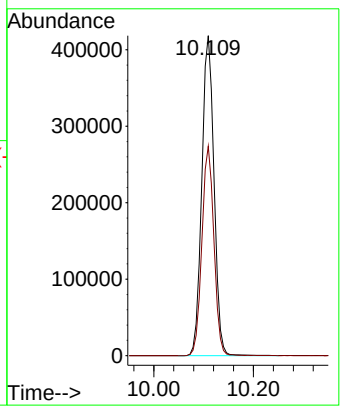


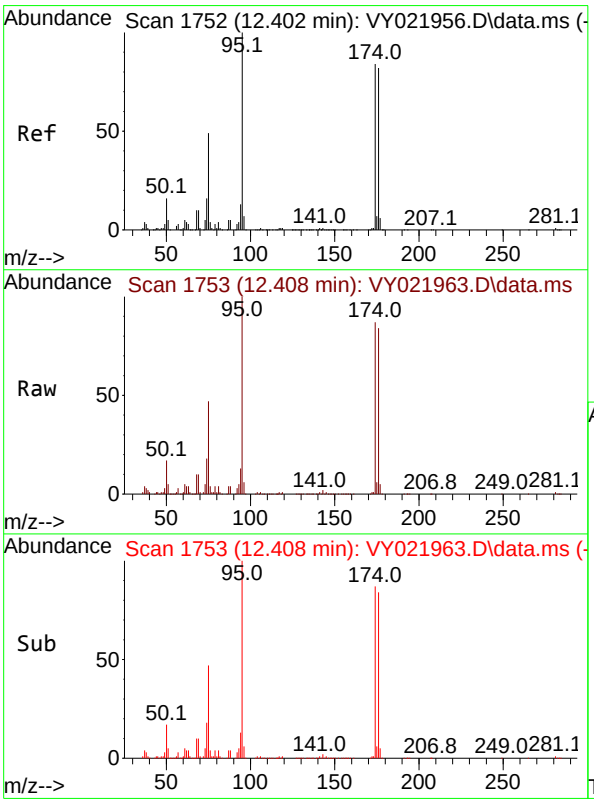
#50
Toluene-d8
Concen: 47.614 ug/l
RT: 10.109 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY021963.D
Acq: 23 Apr 2025 10:31

Instrument :
MSVOA_Y
ClientSampleId :
VY0423SBL01

Tgt Ion: 98 Resp: 710393

Ion	Ratio	Lower	Upper
98	100		
100	64.3	51.6	77.4

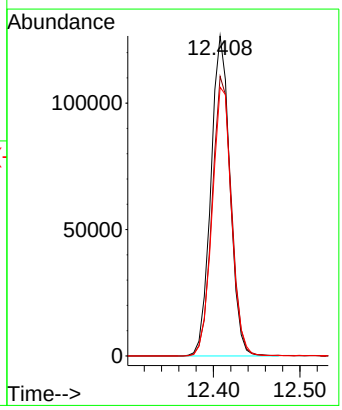


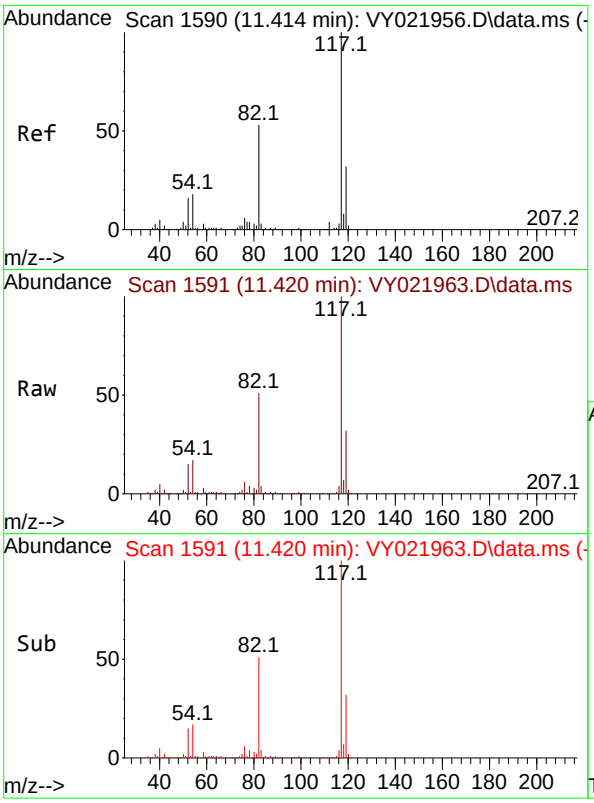


#62
4-Bromofluorobenzene
Concen: 38.554 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.006 min
Lab File: VY021963.D
Acq: 23 Apr 2025 10:31

Tgt Ion: 95 Resp: 193641

Ion	Ratio	Lower	Upper
95	100		
174	88.7	0.0	179.0
176	85.6	0.0	171.8



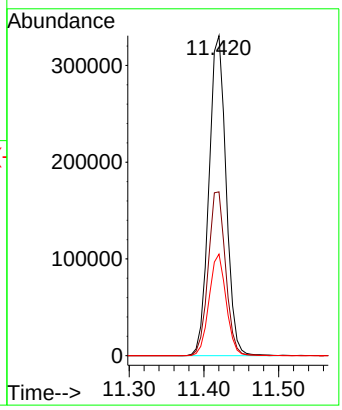


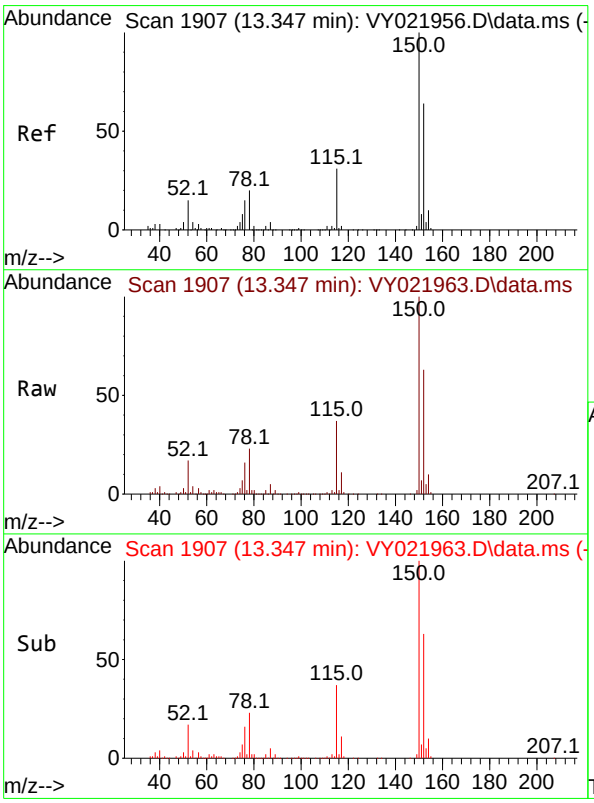
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY021963.D
Acq: 23 Apr 2025 10:31

Instrument :
MSVOA_Y
ClientSampleId :
VY0423SBL01

Tgt Ion:117 Resp: 525205

Ion	Ratio	Lower	Upper
117	100		
82	51.2	42.1	63.1
119	31.7	25.7	38.5

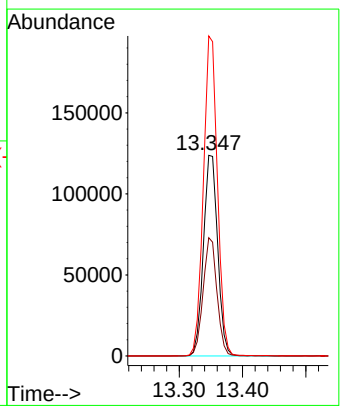




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.347 min Scan# 1907
Delta R.T. 0.000 min
Lab File: VY021963.D
Acq: 23 Apr 2025 10:31

Tgt Ion:152 Resp: 194434

Ion	Ratio	Lower	Upper
152	100		
115	57.4	28.0	84.0
150	157.0	0.0	345.6



Raw Data: **VY021964.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:	Henry Lea School	Date Received:	
Client Sample ID:	VY0423SBS01	SDG No.:	Q1858
Lab Sample ID:	VY0423SBS01	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
VY021964.D	1		04/23/25 11:07	VY042325

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
156-59-2	cis-1,2-Dichloroethene	20.3		0.75	5.00	ug/Kg
71-55-6	1,1,1-Trichloroethane	20.2		0.93	5.00	ug/Kg
71-43-2	Benzene	20.7		0.79	5.00	ug/Kg
79-01-6	Trichloroethene	20.2		0.81	5.00	ug/Kg
108-88-3	Toluene	20.8		0.78	5.00	ug/Kg
100-41-4	Ethyl Benzene	19.8		0.67	5.00	ug/Kg
1330-20-7	Total Xylenes	60.1		2.02	15.0	ug/Kg
98-82-8	Isopropylbenzene	19.6		0.78	5.00	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	51.4		63 - 155	103%	SPK: 50
1868-53-7	Dibromofluoromethane	51.6		70 - 134	103%	SPK: 50
2037-26-5	Toluene-d8	52.0		74 - 123	104%	SPK: 50
460-00-4	4-Bromofluorobenzene	50.6		38 - 136	101%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	295000	7.707			
540-36-3	1,4-Difluorobenzene	458000	8.616			
3114-55-4	Chlorobenzene-d5	418000	11.42			
3855-82-1	1,4-Dichlorobenzene-d4	222000	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\VY042325\
Data File : VY021964.D
Acq On : 23 Apr 2025 11:07
Operator : SY/MD
Sample : VY0423SBS01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0423SBS01

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 04/25/2025
Supervised By :Semsettin Yesilyurt 04/25/2025

Quant Time: Apr 24 03:44:57 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
Quant Title : SW846 8260
QLast Update : Wed Apr 23 02:30:30 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.707	168	295173	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	458305	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	417679	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	221603	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	140165	51.409	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 102.820%			
35) Dibromofluoromethane	7.634	113	156093	51.553	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 103.100%			
50) Toluene-d8	10.109	98	593014	51.951	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 103.900%			
62) 4-Bromofluorobenzene	12.408	95	194614	50.645	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 101.300%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.867	85	49150	19.542	ug/l	97
3) Chloromethane	2.068	50	79531	22.207	ug/l	97
4) Vinyl Chloride	2.202	62	90607	20.588	ug/l	99
5) Bromomethane	2.592	94	91439	24.116	ug/l	98
6) Chloroethane	2.733	64	64520	21.526	ug/l	98
7) Trichlorofluoromethane	3.056	101	123323	21.251	ug/l	100
8) Diethyl Ether	3.458	74	29720	19.676	ug/l	99
9) 1,1,2-Trichlorotrifluo...	3.812	101	64570	20.511	ug/l	99
10) Methyl Iodide	4.001	142	65818	18.058	ug/l	99
11) Tert butyl alcohol	4.885	59	14597	97.521	ug/l	95
12) 1,1-Dichloroethene	3.787	96	59875	20.405	ug/l	97
13) Acrolein	3.659	56	27435	102.123	ug/l	99
14) Allyl chloride	4.385	41	66968	19.600	ug/l	99
15) Acrylonitrile	5.067	53	55987	101.248	ug/l	99
16) Acetone	3.879	43	38541	94.730	ug/l	92
17) Carbon Disulfide	4.104	76	192526	20.578	ug/l	98
18) Methyl Acetate	4.385	43	27554	21.635	ug/l	99
19) Methyl tert-butyl Ether	5.122	73	131102	19.962	ug/l	96
20) Methylene Chloride	4.616	84	67092	19.461	ug/l	99
21) trans-1,2-Dichloroethene	5.116	96	65708	19.995	ug/l	95
22) Diisopropyl ether	6.019	45	156652	20.603	ug/l	93
23) Vinyl Acetate	5.964	43	410600	100.200	ug/l	99
24) 1,1-Dichloroethane	5.915	63	106508	20.209	ug/l	99
25) 2-Butanone	6.896	43	59906	96.392	ug/l	100
26) 2,2-Dichloropropane	6.890	77	94723	20.506	ug/l	99
27) cis-1,2-Dichloroethene	6.890	96	74706	20.331	ug/l	99
28) Bromochloromethane	7.244	49	41102	20.078	ug/l	95
29) Tetrahydrofuran	7.262	42	40959	101.473	ug/l	100
30) Chloroform	7.421	83	120714	20.649	ug/l	96
31) Cyclohexane	7.701	56	88058	19.538	ug/l	94
32) 1,1,1-Trichloroethane	7.622	97	106943	20.220	ug/l	99
36) 1,1-Dichloropropene	7.835	75	81879	20.132	ug/l	99
37) Ethyl Acetate	6.988	43	29318	20.071	ug/l	98
38) Carbon Tetrachloride	7.817	117	100138	20.605	ug/l	97
39) Methylcyclohexane	9.109	83	98332	19.212	ug/l	96
40) Benzene	8.079	78	263532	20.728	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY042325\
Data File : VY021964.D
Acq On : 23 Apr 2025 11:07
Operator : SY/MD
Sample : VY0423SBS01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Apr 24 03:44:57 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
Quant Title : SW846 8260
QLast Update : Wed Apr 23 02:30:30 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VY0423SBS01

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 04/25/2025
Supervised By :Semsettin Yesilyurt 04/25/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.220	41	15367	19.245	ug/l	#	89
42) 1,2-Dichloroethane	8.158	62	65165	20.702	ug/l		100
43) Isopropyl Acetate	8.201	43	55377	19.741	ug/l		99
44) Trichloroethene	8.866	130	71222	20.225	ug/l		99
45) 1,2-Dichloropropane	9.140	63	57685	20.517	ug/l		99
46) Dibromomethane	9.231	93	36042	20.478	ug/l		99
47) Bromodichloromethane	9.426	83	90955	20.687	ug/l		96
48) Methyl methacrylate	9.219	41	27965	21.565	ug/l		95
49) 1,4-Dioxane	9.244	88	7517	400.714	ug/l		96
51) 4-Methyl-2-Pentanone	9.999	43	150808	102.554	ug/l		99
52) Toluene	10.170	92	170967	20.774	ug/l		98
53) t-1,3-Dichloropropene	10.396	75	75065	19.904	ug/l		95
54) cis-1,3-Dichloropropene	9.859	75	92666	20.670	ug/l		97
55) 1,1,2-Trichloroethane	10.573	97	48596	20.670	ug/l		97
56) Ethyl methacrylate	10.438	69	52604	19.566	ug/l		99
57) 1,3-Dichloropropane	10.719	76	76673	20.343	ug/l		100
58) 2-Chloroethyl Vinyl ether	9.713	63	134039	101.970	ug/l		100
59) 2-Hexanone	10.762	43	97696	100.725	ug/l		95
60) Dibromochloromethane	10.914	129	66379	20.393	ug/l		98
61) 1,2-Dibromoethane	11.018	107	45815	20.642	ug/l		99
64) Tetrachloroethene	10.646	164	80494	20.429	ug/l		98
65) Chlorobenzene	11.444	112	188396	20.170	ug/l		99
66) 1,1,1,2-Tetrachloroethane	11.518	131	68045	20.693	ug/l		98
67) Ethyl Benzene	11.518	91	302678	19.810	ug/l		99
68) m/p-Xylenes	11.627	106	245304	40.346	ug/l		99
69) o-Xylene	11.956	106	110797	19.772	ug/l		99
70) Styrene	11.969	104	188948	20.082	ug/l		99
71) Bromoform	12.133	173	38634	20.208	ug/l	#	99
73) Isopropylbenzene	12.255	105	290429	19.616	ug/l		99
74) N-amyl acetate	12.072	43	48649	19.125	ug/l		99
75) 1,1,2,2-Tetrachloroethane	12.505	83	52798	21.152	ug/l		99
76) 1,2,3-Trichloropropane	12.560	75	39256m	20.681	ug/l		
77) Bromobenzene	12.536	156	73923	19.760	ug/l		97
78) n-propylbenzene	12.597	91	357207	20.260	ug/l		100
79) 2-Chlorotoluene	12.682	91	204453	19.939	ug/l		100
80) 1,3,5-Trimethylbenzene	12.737	105	244632	20.054	ug/l		99
81) trans-1,4-Dichloro-2-b...	12.304	75	14911	18.917	ug/l		93
82) 4-Chlorotoluene	12.779	91	218007	20.453	ug/l		99
83) tert-Butylbenzene	12.999	119	210516	19.242	ug/l		99
84) 1,2,4-Trimethylbenzene	13.042	105	244676	20.053	ug/l		100
85) sec-Butylbenzene	13.176	105	318306	19.883	ug/l		100
86) p-Isopropyltoluene	13.292	119	265758	19.549	ug/l		100
87) 1,3-Dichlorobenzene	13.292	146	149215	19.638	ug/l		99
88) 1,4-Dichlorobenzene	13.365	146	150139	19.951	ug/l		99
89) n-Butylbenzene	13.621	91	234544	19.302	ug/l		98
90) Hexachloroethane	13.883	117	59491	19.918	ug/l		100
91) 1,2-Dichlorobenzene	13.663	146	133741	20.180	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	14.273	75	8096	20.386	ug/l		86
93) 1,2,4-Trichlorobenzene	14.919	180	70613	18.803	ug/l		99
94) Hexachlorobutadiene	15.023	225	43918	19.007	ug/l		98
95) Naphthalene	15.145	128	110434	17.702	ug/l		98
96) 1,2,3-Trichlorobenzene	15.334	180	61606	19.004	ug/l		97

Sample Results: **VY021964.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY042325\
Data File : VY021964.D
Acq On : 23 Apr 2025 11:07
Operator : SY/MD
Sample : VY0423SBS01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Apr 24 03:44:57 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
Quant Title : SW846 8260
QLast Update : Wed Apr 23 02:30:30 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VY0423SBS01

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 04/25/2025
Supervised By :Semsettin Yesilyurt 04/25/2025

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

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

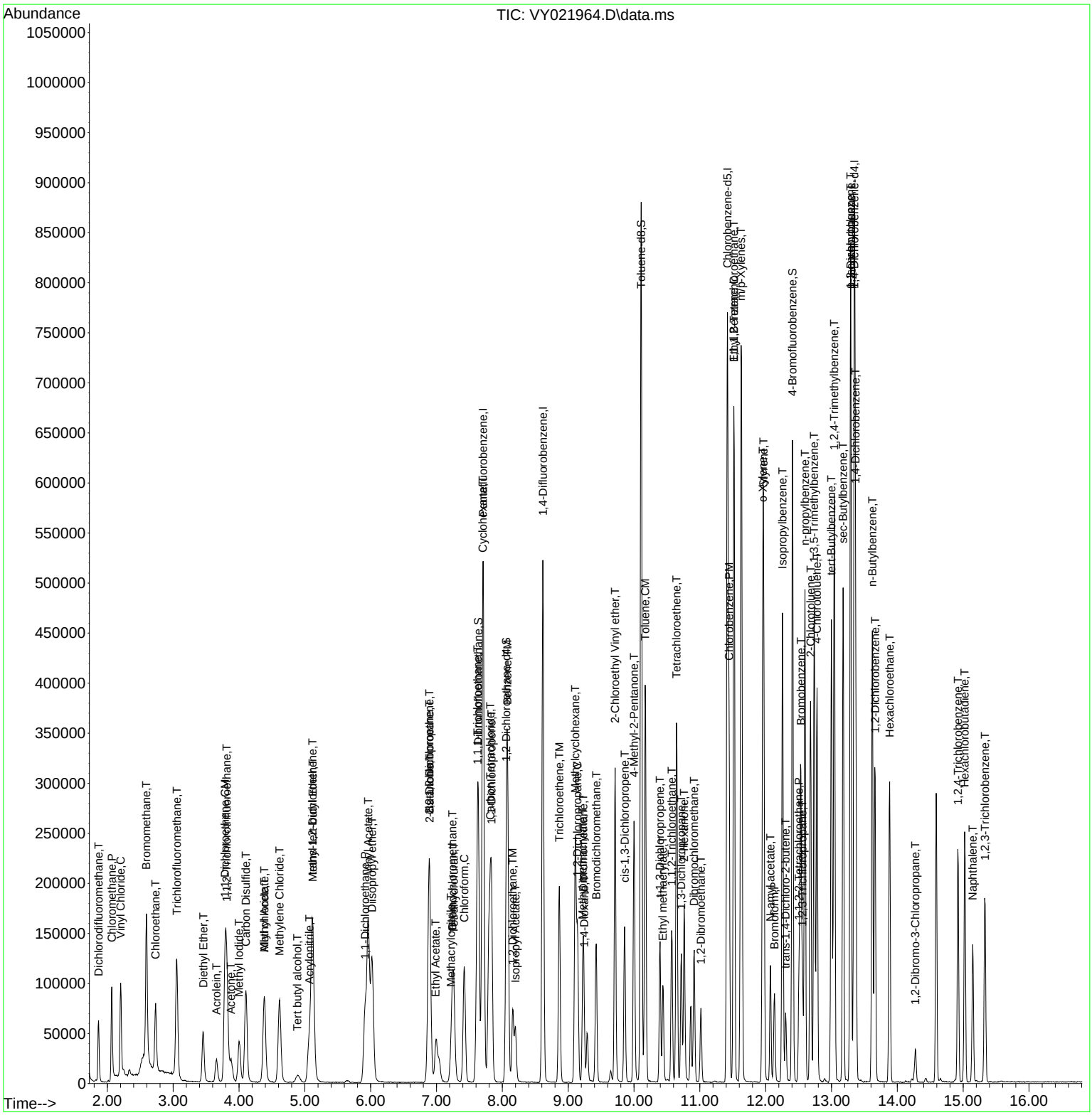
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY042325\
Data File : VY021964.D
Acq On : 23 Apr 2025 11:07
Operator : SY/MD
Sample : VY0423SBS01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Apr 24 03:44:57 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
Quant Title : SW846 8260
QLast Update : Wed Apr 23 02:30:30 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VY0423SBS01

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 04/25/2025
Supervised By :Semsettin Yesilyurt 04/25/2025



Raw Data: **VY021965.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:	Henry Lea School	Date Received:	
Client Sample ID:	VY0423SBSD01	SDG No.:	Q1858
Lab Sample ID:	VY0423SBSD01	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
VY021965.D	1		04/23/25 11:30	VY042325

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
156-59-2	cis-1,2-Dichloroethene	21.4		0.75	5.00	ug/Kg
71-55-6	1,1,1-Trichloroethane	21.2		0.93	5.00	ug/Kg
71-43-2	Benzene	21.4		0.79	5.00	ug/Kg
79-01-6	Trichloroethene	21.0		0.81	5.00	ug/Kg
108-88-3	Toluene	21.6		0.78	5.00	ug/Kg
100-41-4	Ethyl Benzene	20.3		0.67	5.00	ug/Kg
1330-20-7	Total Xylenes	62.5		2.02	15.0	ug/Kg
98-82-8	Isopropylbenzene	20.2		0.78	5.00	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	57.7		63 - 155	115%	SPK: 50
1868-53-7	Dibromofluoromethane	55.6		70 - 134	111%	SPK: 50
2037-26-5	Toluene-d8	56.5		74 - 123	113%	SPK: 50
460-00-4	4-Bromofluorobenzene	55.5		38 - 136	111%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	283000	7.707			
540-36-3	1,4-Difluorobenzene	449000	8.616			
3114-55-4	Chlorobenzene-d5	414000	11.414			
3855-82-1	1,4-Dichlorobenzene-d4	217000	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\VY042325\
Data File : VY021965.D
Acq On : 23 Apr 2025 11:30
Operator : SY/MD
Sample : VY0423SBSD01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0423SBSD01

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 04/25/2025
Supervised By :Semsettin Yesilyurt 04/25/2025

Quant Time: Apr 24 03:45:17 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
Quant Title : SW846 8260
QLast Update : Wed Apr 23 02:30:30 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.707	168	282902	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	449051	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	413807	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	217306	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	150691	57.667	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 115.340%			
35) Dibromofluoromethane	7.634	113	165058	55.637	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 111.280%			
50) Toluene-d8	10.109	98	631644	56.476	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 112.960%			
62) 4-Bromofluorobenzene	12.408	95	208883	55.479	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 110.960%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.867	85	49921	20.709	ug/l	98
3) Chloromethane	2.068	50	79488	23.158	ug/l	98
4) Vinyl Chloride	2.202	62	89907	21.315	ug/l	97
5) Bromomethane	2.592	94	88711	24.412	ug/l	98
6) Chloroethane	2.732	64	63681	22.168	ug/l	97
7) Trichlorofluoromethane	3.056	101	120312	21.631	ug/l	96
8) Diethyl Ether	3.458	74	30974	21.396	ug/l	93
9) 1,1,2-Trichlorotrifluo...	3.812	101	63320	20.986	ug/l	99
10) Methyl Iodide	4.001	142	70005	20.040	ug/l	98
11) Tert butyl alcohol	4.878	59	15514	108.143	ug/l	98
12) 1,1-Dichloroethene	3.787	96	59766	21.251	ug/l	99
13) Acrolein	3.653	56	28937	112.386	ug/l	96
14) Allyl chloride	4.385	41	69146	21.115	ug/l	100
15) Acrylonitrile	5.067	53	58664	110.691	ug/l	99
16) Acetone	3.879	43	38848	100.834	ug/l	96
17) Carbon Disulfide	4.104	76	191892	21.399	ug/l	99
18) Methyl Acetate	4.385	43	28929	23.700	ug/l	100
19) Methyl tert-butyl Ether	5.116	73	134504	21.368	ug/l	100
20) Methylene Chloride	4.616	84	68460	20.719	ug/l	95
21) trans-1,2-Dichloroethene	5.116	96	66287	21.046	ug/l	95
22) Diisopropyl ether	6.018	45	158910	21.806	ug/l	98
23) Vinyl Acetate	5.964	43	426011	108.470	ug/l	98
24) 1,1-Dichloroethane	5.915	63	108642	21.508	ug/l	99
25) 2-Butanone	6.902	43	62867	105.544	ug/l	96
26) 2,2-Dichloropropane	6.884	77	94622	21.372	ug/l	98
27) cis-1,2-Dichloroethene	6.890	96	75288	21.378	ug/l	100
28) Bromochloromethane	7.244	49	42622	21.723	ug/l	99
29) Tetrahydrofuran	7.268	42	41886	108.271	ug/l	98
30) Chloroform	7.421	83	120730	21.547	ug/l	96
31) Cyclohexane	7.701	56	87414	20.236	ug/l	98
32) 1,1,1-Trichloroethane	7.616	97	107229	21.153	ug/l	99
36) 1,1-Dichloropropene	7.835	75	81404	20.427	ug/l	99
37) Ethyl Acetate	6.988	43	30867	21.567	ug/l	98
38) Carbon Tetrachloride	7.817	117	99458	20.886	ug/l	99
39) Methylcyclohexane	9.109	83	98788	19.699	ug/l	94
40) Benzene	8.079	78	267183	21.448	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY042325\
Data File : VY021965.D
Acq On : 23 Apr 2025 11:30
Operator : SY/MD
Sample : VY0423SBSD01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Apr 24 03:45:17 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
Quant Title : SW846 8260
QLast Update : Wed Apr 23 02:30:30 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VY0423SBSD01

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 04/25/2025
Supervised By :Semsettin Yesilyurt 04/25/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.213	41	14079	17.995	ug/l	#	83
42) 1,2-Dichloroethane	8.158	62	66453	21.546	ug/l		99
43) Isopropyl Acetate	8.195	43	58503	21.285	ug/l		99
44) Trichloroethene	8.866	130	72568	21.032	ug/l		96
45) 1,2-Dichloropropane	9.140	63	59534	21.611	ug/l		99
46) Dibromomethane	9.231	93	37842	21.944	ug/l		96
47) Bromodichloromethane	9.426	83	94206	21.867	ug/l		100
48) Methyl methacrylate	9.219	41	26221	20.637	ug/l		97
49) 1,4-Dioxane	9.237	88	7598	413.379	ug/l		93
51) 4-Methyl-2-Pentanone	9.999	43	155329	107.805	ug/l		99
52) Toluene	10.170	92	174167	21.599	ug/l		99
53) t-1,3-Dichloropropene	10.396	75	77964	21.099	ug/l		97
54) cis-1,3-Dichloropropene	9.853	75	91895	20.921	ug/l		97
55) 1,1,2-Trichloroethane	10.573	97	50181	21.785	ug/l		98
56) Ethyl methacrylate	10.438	69	54442	20.667	ug/l		98
57) 1,3-Dichloropropane	10.719	76	80782	21.875	ug/l		99
58) 2-Chloroethyl Vinyl ether	9.713	63	138379	107.441	ug/l		99
59) 2-Hexanone	10.762	43	101012	106.290	ug/l		97
60) Dibromochloromethane	10.908	129	67764	21.248	ug/l		99
61) 1,2-Dibromoethane	11.018	107	47684	21.927	ug/l		99
64) Tetrachloroethene	10.646	164	81045	20.761	ug/l		97
65) Chlorobenzene	11.444	112	191806	20.727	ug/l		99
66) 1,1,1,2-Tetrachloroethane	11.517	131	68516	21.031	ug/l		99
67) Ethyl Benzene	11.517	91	307380	20.306	ug/l		99
68) m/p-Xylenes	11.627	106	252290	41.883	ug/l		100
69) o-Xylene	11.956	106	114542	20.631	ug/l		100
70) Styrene	11.969	104	193927	20.804	ug/l		99
71) Bromoform	12.133	173	40073	21.157	ug/l	#	99
73) Isopropylbenzene	12.255	105	293013	20.182	ug/l		99
74) N-amyl acetate	12.072	43	48774	19.553	ug/l		97
75) 1,1,2,2-Tetrachloroethane	12.505	83	53347	21.794	ug/l		99
76) 1,2,3-Trichloropropane	12.554	75	40640m	21.834	ug/l		
77) Bromobenzene	12.529	156	76432	20.834	ug/l		99
78) n-propylbenzene	12.597	91	358868	20.756	ug/l		100
79) 2-Chlorotoluene	12.682	91	208957	20.781	ug/l		99
80) 1,3,5-Trimethylbenzene	12.737	105	247505	20.690	ug/l		99
81) trans-1,4-Dichloro-2-b...	12.304	75	16304	21.094	ug/l		99
82) 4-Chlorotoluene	12.779	91	220322	21.078	ug/l		100
83) tert-Butylbenzene	12.999	119	218496	20.366	ug/l		99
84) 1,2,4-Trimethylbenzene	13.042	105	254176	21.243	ug/l		100
85) sec-Butylbenzene	13.176	105	320366	20.407	ug/l		100
86) p-Isopropyltoluene	13.292	119	268461	20.138	ug/l		99
87) 1,3-Dichlorobenzene	13.285	146	155704	20.897	ug/l		99
88) 1,4-Dichlorobenzene	13.365	146	151648	20.550	ug/l		99
89) n-Butylbenzene	13.615	91	236261	19.828	ug/l		99
90) Hexachloroethane	13.877	117	60708	20.727	ug/l		97
91) 1,2-Dichlorobenzene	13.657	146	136607	21.021	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	14.273	75	7848	20.153	ug/l		97
93) 1,2,4-Trichlorobenzene	14.919	180	73361	19.921	ug/l		98
94) Hexachlorobutadiene	15.023	225	45632	20.139	ug/l		99
95) Naphthalene	15.145	128	120010	19.617	ug/l		99
96) 1,2,3-Trichlorobenzene	15.328	180	64279	20.221	ug/l		98

Sample Results: **VY021965.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY042325\
Data File : VY021965.D
Acq On : 23 Apr 2025 11:30
Operator : SY/MD
Sample : VY0423SBSD01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Apr 24 03:45:17 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
Quant Title : SW846 8260
QLast Update : Wed Apr 23 02:30:30 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VY0423SBSD01

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 04/25/2025
Supervised By :Semsettin Yesilyurt 04/25/2025

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

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

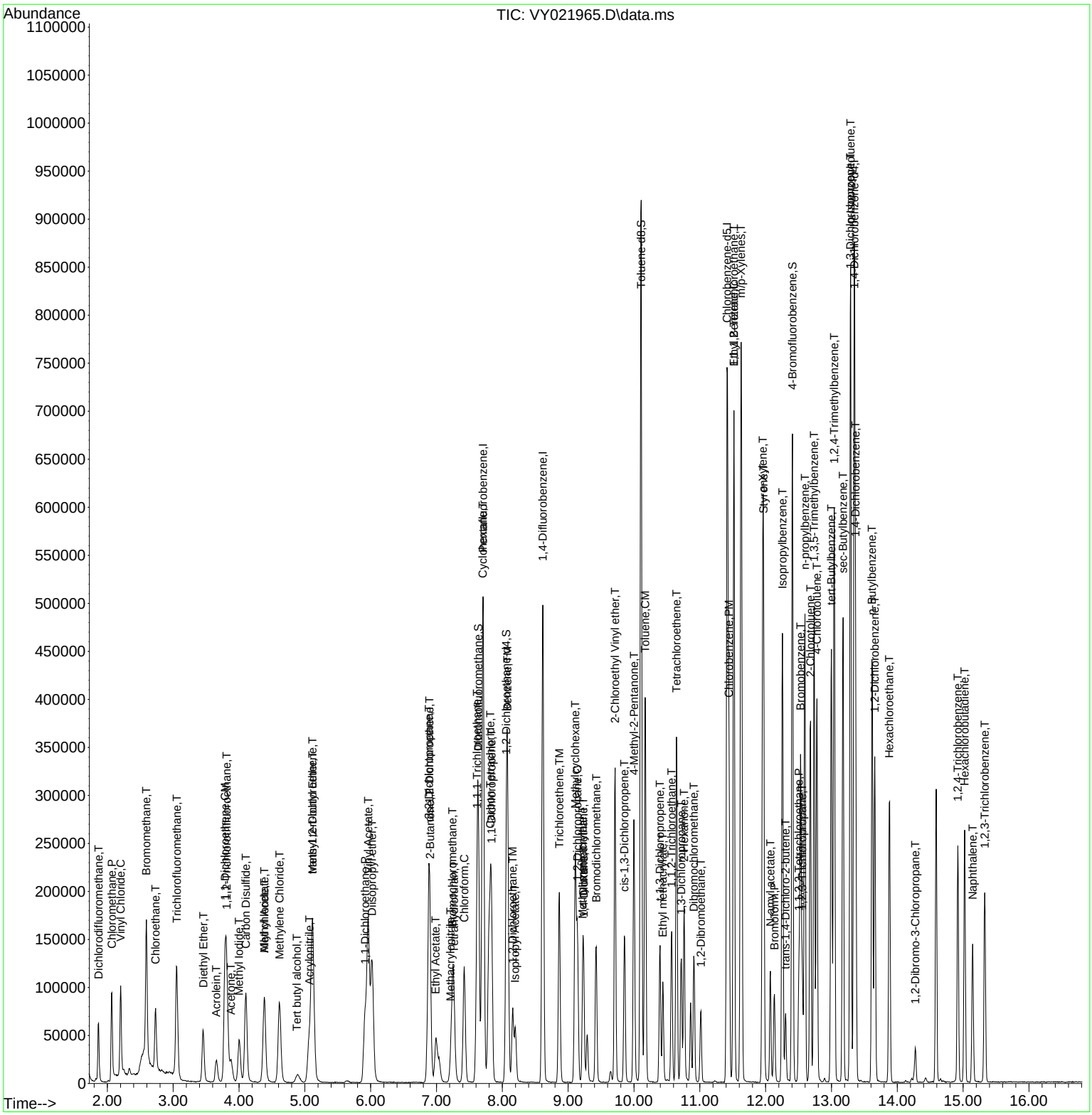
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY042325\
Data File : VY021965.D
Acq On : 23 Apr 2025 11:30
Operator : SY/MD
Sample : VY0423SBSD01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Apr 24 03:45:17 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
Quant Title : SW846 8260
QLast Update : Wed Apr 23 02:30:30 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VY0423SBSD01

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 04/25/2025
Supervised By :Semsettin Yesilyurt 04/25/2025



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Manual Integration Report

Sequence:	VY042225	Instrument	MSVOA_y

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDICC005	VY021953.D	1,2,3-Trichloropropane	SAM	4/23/2025 7:34:48 AM	MMDadoda	4/23/2025 1:28:59 PM	Peak Integrated by Software
VSTDICC005	VY021953.D	Ethyl Acetate	SAM	4/23/2025 7:34:48 AM	MMDadoda	4/23/2025 1:28:59 PM	Peak Integrated by Software
VSTDICC005	VY021953.D	Methacrylonitrile	SAM	4/23/2025 7:34:48 AM	MMDadoda	4/23/2025 1:28:59 PM	Peak Integrated by Software
VSTDICC005	VY021953.D	Tert butyl alcohol	SAM	4/23/2025 7:34:48 AM	MMDadoda	4/23/2025 1:28:59 PM	Peak Integrated by Software
VSTDICC010	VY021954.D	1,2,3-Trichloropropane	SAM	4/23/2025 7:34:50 AM	MMDadoda	4/23/2025 1:29:03 PM	Peak Integrated by Software
VSTDICC010	VY021954.D	Ethyl Acetate	SAM	4/23/2025 7:34:50 AM	MMDadoda	4/23/2025 1:29:03 PM	Peak Integrated by Software
VSTDICC010	VY021954.D	Methacrylonitrile	SAM	4/23/2025 7:34:50 AM	MMDadoda	4/23/2025 1:29:03 PM	Peak Integrated by Software
VSTDICC020	VY021955.D	1,2,3-Trichloropropane	SAM	4/23/2025 7:34:51 AM	MMDadoda	4/23/2025 1:29:07 PM	Peak Integrated by Software
VSTDICC020	VY021955.D	Methacrylonitrile	SAM	4/23/2025 7:34:51 AM	MMDadoda	4/23/2025 1:29:07 PM	Peak Integrated by Software
VSTDICCC050	VY021956.D	1,2,3-Trichloropropane	SAM	4/23/2025 7:34:53 AM	MMDadoda	4/23/2025 1:29:11 PM	Peak Integrated by Software
VSTDICC100	VY021957.D	1,2,3-Trichloropropane	SAM	4/23/2025 7:34:56 AM	MMDadoda	4/23/2025 1:29:15 PM	Peak Integrated by Software
VSTDICC150	VY021958.D	1,2,3-Trichloropropane	SAM	4/23/2025 7:34:57 AM	MMDadoda	4/23/2025 1:29:19 PM	Peak Integrated by Software
VSTDICV050	VY021960.D	1,2,3-Trichloropropane	SAM	4/23/2025 7:34:59 AM	MMDadoda	4/23/2025 1:29:23 PM	Peak Integrated by Software

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Manual Integration Report

Sequence:	VY042225	Instrument	MSVOA_y

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason

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

Manual Integration Report

Sequence:	vy042325	Instrument	MSVOA_y

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDCCC050	VY021962.D	1,2,3-Trichloropropane	MMDadoda	4/25/2025 12:52:00 AM	SAM	4/25/2025 12:54:43 AM	Peak Integrated by Software
VY0423SBS01	VY021964.D	1,2,3-Trichloropropane	MMDadoda	4/25/2025 12:52:02 AM	SAM	4/25/2025 12:54:43 AM	Peak Integrated by Software
VY0423SBSD01	VY021965.D	1,2,3-Trichloropropane	MMDadoda	4/25/2025 12:52:03 AM	SAM	4/25/2025 12:54:44 AM	Peak Integrated by Software
VSTDCCC050	VY021985.D	1,2,3-Trichloropropane	MMDadoda	4/25/2025 12:52:05 AM	SAM	4/25/2025 12:54:45 AM	Peak Integrated by Software

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Fax : 908 789 8922

Instrument ID: MSVOA_Y

Daily Analysis Runlog For Sequence/QCBatch ID # VY042225

Review By	Semsettin Yesilyurt	Review On	4/23/2025 7:35:07 AM				
Supervise By	Mahesh Dadoda	Supervise On	4/23/2025 1:28:52 PM				
SubDirectory	VY042225	HP Acquire Method	MSVOA_Y	HP Processing Method	82y042225s.m		

STD. NAME	STD REF.#
Tune/Reschk	VP133718
Initial Calibration Stds	VP133719,VP133720,VP133721,VP133722,VP133723,VP133724
CCC	
Internal Standard/PEM	VP131783
ICV/I.BLK	VP133725
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VY021952.D	22 Apr 2025 11:33	SY/MD	Ok
2	VSTDICC005	VY021953.D	22 Apr 2025 13:39	SY/MD	Ok,M
3	VSTDICC010	VY021954.D	22 Apr 2025 14:44	SY/MD	Ok,M
4	VSTDICC020	VY021955.D	22 Apr 2025 15:07	SY/MD	Ok,M
5	VSTDICCC050	VY021956.D	22 Apr 2025 15:29	SY/MD	Ok,M
6	VSTDICC100	VY021957.D	22 Apr 2025 15:52	SY/MD	Ok,M
7	VSTDICC150	VY021958.D	22 Apr 2025 16:15	SY/MD	Ok,M
8	IBLK	VY021959.D	22 Apr 2025 16:38	SY/MD	Ok
9	VSTDICV050	VY021960.D	22 Apr 2025 17:01	SY/MD	Ok,M

M : Manual Integration

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Fax : 908 789 8922

Instrument ID: MSVOA_Y

Daily Analysis Runlog For Sequence/QCBatch ID # VY042325

Review By	Mahesh Dadoda	Review On	4/25/2025 12:52:11 AM				
Supervise By	Semsettin Yesilyurt	Supervise On	4/25/2025 12:54:50 AM				
SubDirectory	VY042325	HP Acquire Method	MSVOA_Y	HP Processing Method	82y042225s.m		

STD. NAME	STD REF.#
Tune/Reschk	VP133726
Initial Calibration Stds	
CCC	VP133727,VP133728
Internal Standard/PEM	VP131783
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VY021961.D	23 Apr 2025 09:27	SY/MD	Ok
2	VSTDCCC050	VY021962.D	23 Apr 2025 09:57	SY/MD	Ok,M
3	VY0423SBL01	VY021963.D	23 Apr 2025 10:31	SY/MD	Ok
4	VY0423SBS01	VY021964.D	23 Apr 2025 11:07	SY/MD	Ok,M
5	VY0423SBSD01	VY021965.D	23 Apr 2025 11:30	SY/MD	Ok,M
6	Q1841-01RE	VY021966.D	23 Apr 2025 13:06	SY/MD	Confirms
7	Q1851-06	VY021967.D	23 Apr 2025 13:29	SY/MD	Ok
8	Q1850-01	VY021968.D	23 Apr 2025 13:53	SY/MD	Ok
9	Q1848-01	VY021969.D	23 Apr 2025 14:16	SY/MD	Ok
10	Q1848-03	VY021970.D	23 Apr 2025 14:40	SY/MD	Ok
11	Q1848-05	VY021971.D	23 Apr 2025 15:03	SY/MD	Ok
12	Q1853-01	VY021972.D	23 Apr 2025 15:27	SY/MD	ReRun
13	Q1854-01	VY021973.D	23 Apr 2025 15:50	SY/MD	Ok
14	Q1852-01	VY021974.D	23 Apr 2025 16:13	SY/MD	Ok
15	Q1852-03	VY021975.D	23 Apr 2025 16:37	SY/MD	Ok
16	Q1852-05	VY021976.D	23 Apr 2025 17:00	SY/MD	Ok
17	Q1852-07	VY021977.D	23 Apr 2025 17:24	SY/MD	Ok
18	Q1858-01	VY021978.D	23 Apr 2025 17:47	SY/MD	Ok
19	Q1858-02	VY021979.D	23 Apr 2025 18:11	SY/MD	Ok
20	Q1858-03	VY021980.D	23 Apr 2025 18:34	SY/MD	Ok
21	Q1859-01	VY021981.D	23 Apr 2025 18:58	SY/MD	Ok

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Instrument ID: MSVOA_Y

Daily Analysis Runlog For Sequence/QCBatch ID # VY042325

Review By	Mahesh Dadoda	Review On	4/25/2025 12:52:11 AM				
Supervise By	Semsettin Yesilyurt	Supervise On	4/25/2025 12:54:50 AM				
SubDirectory	VY042325	HP Acquire Method	MSVOA_Y	HP Processing Method	82y042225s.m		

STD. NAME	STD REF.#
Tune/Reschk	VP133726
Initial Calibration Stds	
CCC	VP133727,VP133728
Internal Standard/PEM	VP131783
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

22	Q1859-02	VY021982.D	23 Apr 2025 19:21	SY/MD	Ok
23	Q1859-03	VY021983.D	23 Apr 2025 19:44	SY/MD	Ok
24	Q1855-01	VY021984.D	23 Apr 2025 20:08	SY/MD	ReRun
25	VSTDCCC050	VY021985.D	23 Apr 2025 20:31	SY/MD	Ok,M

M : Manual Integration

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Fax : 908 789 8922

Instrument ID: MSVOA_Y

Daily Analysis Runlog For Sequence/QCBatch ID # VY042225

Review By	Semsettin Yesilyurt	Review On	4/23/2025 7:35:07 AM		
Supervise By	Mahesh Dadoda	Supervise On	4/23/2025 1:28:52 PM		
SubDirectory	VY042225	HP Acquire Method	MSVOA_Y	HP Processing Method	82y042225s.m

STD. NAME	STD REF.#
Tune/Reschk	VP133718
Initial Calibration Stds	VP133719,VP133720,VP133721,VP133722,VP133723,VP133724
CCC	
Internal Standard/PEM	VP131783
ICV/I.BLK	VP133725
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	BFB	BFB	VY021952.D	22 Apr 2025 11:33		SY/MD	Ok
2	VSTDICC005	VSTDICC005	VY021953.D	22 Apr 2025 13:39		SY/MD	Ok,M
3	VSTDICC010	VSTDICC010	VY021954.D	22 Apr 2025 14:44	Com.#16 is on Linear Regression	SY/MD	Ok,M
4	VSTDICC020	VSTDICC020	VY021955.D	22 Apr 2025 15:07		SY/MD	Ok,M
5	VSTDICCC050	VSTDICCC050	VY021956.D	22 Apr 2025 15:29		SY/MD	Ok,M
6	VSTDICC100	VSTDICC100	VY021957.D	22 Apr 2025 15:52		SY/MD	Ok,M
7	VSTDICC150	VSTDICC150	VY021958.D	22 Apr 2025 16:15		SY/MD	Ok,M
8	IBLK	IBLK	VY021959.D	22 Apr 2025 16:38		SY/MD	Ok
9	VSTDICV050	ICVVY042225	VY021960.D	22 Apr 2025 17:01		SY/MD	Ok,M

M : Manual Integration

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

Instrument ID: MSVOA_Y

Daily Analysis Runlog For Sequence/QCBatch ID # VY042325

Review By	Mahesh Dadoda	Review On	4/25/2025 12:52:11 AM		
Supervise By	Semsettin Yesilyurt	Supervise On	4/25/2025 12:54:50 AM		
SubDirectory	VY042325	HP Acquire Method	MSVOA_Y	HP Processing Method	82y042225s.m

STD. NAME	STD REF.#
Tune/Reschk	VP133726
Initial Calibration Stds	
CCC	VP133727,VP133728
Internal Standard/PEM	VP131783
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	BFB	BFB	VY021961.D	23 Apr 2025 09:27		SY/MD	Ok
2	VSTDCCC050	VSTDCCC050	VY021962.D	23 Apr 2025 09:57		SY/MD	Ok,M
3	VY0423SBL01	VY0423SBL01	VY021963.D	23 Apr 2025 10:31		SY/MD	Ok
4	VY0423SBS01	VY0423SBS01	VY021964.D	23 Apr 2025 11:07		SY/MD	Ok,M
5	VY0423SBSD01	VY0423SBSD01	VY021965.D	23 Apr 2025 11:30		SY/MD	Ok,M
6	Q1841-01RE	VNJ-231RE	VY021966.D	23 Apr 2025 13:06	vial-B Internal Standard Fail	SY/MD	Confirms
7	Q1851-06	GP6	VY021967.D	23 Apr 2025 13:29	vial-B	SY/MD	Ok
8	Q1850-01	CONCRETE-PILE-N-C-	VY021968.D	23 Apr 2025 13:53	vial-A	SY/MD	Ok
9	Q1848-01	RBR200027	VY021969.D	23 Apr 2025 14:16	vial-A	SY/MD	Ok
10	Q1848-03	ETGI-275	VY021970.D	23 Apr 2025 14:40	vial-A	SY/MD	Ok
11	Q1848-05	ETGI-342	VY021971.D	23 Apr 2025 15:03	vial-A	SY/MD	Ok
12	Q1853-01	EO-02-04222025	VY021972.D	23 Apr 2025 15:27	vial-A Internal Standard Fail	SY/MD	ReRun
13	Q1854-01	NB-08-04222025	VY021973.D	23 Apr 2025 15:50	vial-A	SY/MD	Ok
14	Q1852-01	ETGI-354	VY021974.D	23 Apr 2025 16:13	vial-A	SY/MD	Ok
15	Q1852-03	72-11977	VY021975.D	23 Apr 2025 16:37	vial-A	SY/MD	Ok
16	Q1852-05	ETGI-278	VY021976.D	23 Apr 2025 17:00	vial-A	SY/MD	Ok
17	Q1852-07	72-12013	VY021977.D	23 Apr 2025 17:24	vial-A	SY/MD	Ok
18	Q1858-01	COMP-1	VY021978.D	23 Apr 2025 17:47	vial-A	SY/MD	Ok

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Fax : 908 789 8922

Instrument ID: MSVOA_Y

Daily Analysis Runlog For Sequence/QCBatch ID # VY042325

Review By	Mahesh Dadoda	Review On	4/25/2025 12:52:11 AM		
Supervise By	Semsettin Yesilyurt	Supervise On	4/25/2025 12:54:50 AM		
SubDirectory	VY042325	HP Acquire Method	MSVOA_Y	HP Processing Method	82y042225s.m

STD. NAME	STD REF.#
Tune/Reschk	VP133726
Initial Calibration Stds	
CCC	VP133727,VP133728
Internal Standard/PEM	VP131783
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

19	Q1858-02	COMP-2	VY021979.D	23 Apr 2025 18:11	vial-A	SY/MD	Ok
20	Q1858-03	COMP-3	VY021980.D	23 Apr 2025 18:34	vial-A	SY/MD	Ok
21	Q1859-01	COMP-1	VY021981.D	23 Apr 2025 18:58	vial-A	SY/MD	Ok
22	Q1859-02	COMP-2	VY021982.D	23 Apr 2025 19:21	vial-A	SY/MD	Ok
23	Q1859-03	COMP-3	VY021983.D	23 Apr 2025 19:44	vial-A	SY/MD	Ok
24	Q1855-01	2001	VY021984.D	23 Apr 2025 20:08	vial-A Internal Standard Fail	SY/MD	ReRun
25	VSTDCCC050	VSTDCCC050EC	VY021985.D	23 Apr 2025 20:31		SY/MD	Ok,M

M : Manual Integration

PERCENT SOLID

Supervisor: Iwona
Analyst: jignesh
Date: 4/23/2025

OVENTEMP IN Celsius(°C): 108
Time IN: 17:00
In Date: 04/22/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
OvenID: M OVEN#1

OVENTEMP OUT Celsius(°C): 103
Time OUT: 08:14
Out Date: 04/23/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
BalanceID: M SC-4
Thermometer ID: % SOLID- OVEN

QC: LB135521

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
Q1852-01	ETGI-354	19	1.15	10.26	11.41	10.64	92.5	
Q1852-03	72-11977	20	1.17	10.20	11.37	10.58	92.3	
Q1852-05	ETGI-278	21	1.18	10.36	11.54	10.66	91.5	
Q1852-07	72-12013	22	1.18	10.33	11.51	10.39	89.2	
Q1853-01	EO-02-04222025	23	1.15	9.77	10.92	9.75	88.0	
Q1853-02	EO-02-04222025-E2	24	1.16	9.97	11.13	9.66	85.3	
Q1854-01	NB-08-04222025	25	1.19	9.87	11.06	10.14	90.7	
Q1854-02	NB-08-04222025-E2	26	1.15	9.96	11.11	9.97	88.6	
Q1855-01	2001	1	1.15	10.43	11.58	11.55	99.7	
Q1855-03	2001-2002	2	1.16	9.59	10.75	10.61	98.5	
Q1855-05	60444	3	1.00	1.00	2.00	2.00	100.0	debris
Q1856-01	41825	4	1.00	1.00	2.00	2.00	100.0	wipe sample
Q1857-01	HOPPER-042225-A	5	1.00	1.00	2.00	2.00	100.0	pilc
Q1857-02	HOPPER-042225-B	6	1.00	1.00	2.00	2.00	100.0	pilc
Q1857-03	02-9022-1-1	7	1.00	1.00	2.00	2.00	100.0	pilc
Q1857-04	02-9022-1-2	8	1.00	1.00	2.00	2.00	100.0	pilc
Q1857-05	BC274271-1-1	9	1.00	1.00	2.00	2.00	100.0	pilc
Q1857-06	BC274271-1-2	10	1.00	1.00	2.00	2.00	100.0	pilc
Q1857-07	BC274271-2-1	11	1.00	1.00	2.00	2.00	100.0	pilc
Q1857-08	BC274271-2-2	12	1.00	1.00	2.00	2.00	100.0	pilc
Q1858-01	COMP-1	13	1.14	9.97	11.11	9.5	83.9	
Q1858-02	COMP-2	14	1.19	10.59	11.78	9.8	81.3	
Q1858-03	COMP-3	15	1.12	9.87	10.99	10.11	91.1	
Q1859-01	COMP-1	16	1.13	10.43	11.56	9.43	79.6	
Q1859-02	COMP-2	17	1.15	10.35	11.5	9.76	83.2	
Q1859-03	COMP-3	18	1.18	10.16	11.34	9.88	85.6	

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

WORKLIST(Hardcopy Internal Chain)

135521

WorkList Name : %1-042225 **WorkList ID :** 189078 **Department :** Wet-Chemistry **Date :** 04-22-2025 08:37:15

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q1852-01	ETGI-354	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	04/22/2025	Chemtech -SO
Q1852-03	72-11977	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	04/22/2025	Chemtech -SO
Q1852-05	ETGI-278	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	04/22/2025	Chemtech -SO
Q1852-07	72-12013	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	04/22/2025	Chemtech -SO
Q1853-01	EO-02-04222025	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	04/22/2025	Chemtech -SO
Q1853-02	EO-02-04222025-E2	Solid	Percent Solids	Cool 4 deg C	PSEG05	L41	04/22/2025	Chemtech -SO
Q1854-01	NB-08-04222025	Solid	Percent Solids	Cool 4 deg C	PSEG05	L41	04/22/2025	Chemtech -SO
Q1854-02	NB-08-04222025-E2	Solid	Percent Solids	Cool 4 deg C	PSEG05	L31	04/22/2025	Chemtech -SO
Q1855-01	2001	Solid	Percent Solids	Cool 4 deg C	PSEG05	L31	04/22/2025	Chemtech -SO
Q1855-03	2001-2002	Solid	Percent Solids	Cool 4 deg C	PSEG03	L51	04/22/2025	Chemtech -SO
Q1855-05	60444	Solid	Percent Solids	Cool 4 deg C	PSEG03	L51	04/22/2025	Chemtech -SO
Q1856-01	41825	Solid	Percent Solids	Cool 4 deg C	PSEG03	L51	04/22/2025	Chemtech -SO
Q1857-01	HOPPER-042225-A	Solid	Percent Solids	Cool 4 deg C	PSEG03	L31	04/22/2025	Chemtech -SO
Q1857-02	HOPPER-042225-B	Solid	Percent Solids	Cool 4 deg C	PSEG03	L31	04/22/2025	Chemtech -SO
Q1857-03	02-9022-1-1	Solid	Percent Solids	Cool 4 deg C	PSEG03	L31	04/22/2025	Chemtech -SO
Q1857-04	02-9022-1-2	Solid	Percent Solids	Cool 4 deg C	PSEG03	L31	04/22/2025	Chemtech -SO
Q1857-05	BC274271-1-1	Solid	Percent Solids	Cool 4 deg C	PSEG03	L31	04/22/2025	Chemtech -SO
Q1857-06	BC274271-1-2	Solid	Percent Solids	Cool 4 deg C	PSEG03	L31	04/22/2025	Chemtech -SO
Q1857-07	BC274271-2-1	Solid	Percent Solids	Cool 4 deg C	PSEG03	L31	04/22/2025	Chemtech -SO
Q1857-08	BC274271-2-2	Solid	Percent Solids	Cool 4 deg C	PSEG03	L31	04/22/2025	Chemtech -SO
Q1858-01	COMP-1	Solid	Percent Solids	Cool 4 deg C	POWE02	L41	04/21/2025	Chemtech -SO

Date/Time 04/22/25 15:20

Raw Sample Received by:

Raw Sample Relinquished by:

Date/Time 04/22/25 17:10

Raw Sample Received by:

Raw Sample Relinquished by:

WORKLIST(Hardcopy Internal Chain)

VN 13521

WorkList Name : %1-042225 **WorkList ID :** 189078 **Department :** Wet-Chemistry **Date :** 04-22-2025 08:37:15

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q1858-02	COMP-2	Solid	Percent Solids	Cool 4 deg C	POWE02	L41	04/21/2025	Chemtech -SO
Q1858-03	COMP-3	Solid	Percent Solids	Cool 4 deg C	POWE02	L41	04/21/2025	Chemtech -SO
Q1859-01	COMP-1	Solid	Percent Solids	Cool 4 deg C	POWE02	L41	04/21/2025	Chemtech -SO
Q1859-02	COMP-2	Solid	Percent Solids	Cool 4 deg C	POWE02	L41	04/18/2025	Chemtech -SO
Q1859-03	COMP-3	Solid	Percent Solids	Cool 4 deg C	POWE02	L41	04/18/2025	Chemtech -SO

Date/Time 04/22/25 15:20
Raw Sample Received by:
Raw Sample Relinquished by:

Date/Time 04/22/25 17:10
Raw Sample Received by:
Raw Sample Relinquished by:

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

Preservation Log

BalanceID: VOA-SC-2

Review By: Amit

Supervise By: MMDadoda

Seq	LabID	Vial A Weight(g)	Vial A Time	Vial B Weight(g)	Vial B Time	Vial C Weight(g) with MeOH	Vial C Time	Methanol ID	Preservation Date	Comments
1	Q1858-01	4.23	09:20	4.17	09:21	4.36	09:22	V14143	04/23/2025	8260 ENCORE SAMPLES
2	Q1858-02	4.53	09:23	4.58	09:24	4.66	09:25	V14143	04/23/2025	8260 ENCORE SAMPLES
3	Q1858-03	3.86	09:26	3.84	09:27	3.50	09:28	V14143	04/23/2025	8260 ENCORE SAMPLES

Instructions : For medium Level analysis, 5ml MeOH added for CLP(SOM/SFAM) method and 10ml for regular 8260.

If the samples are not to be analyzed within 48hrs of sampling, preserve samples immediately, Vials A and B are stored in the VOA-FRZ-2.

Vial C - MeOH preserved vials are kept in VOA-REF #6.

QA Contorl # A3041177

SHIPPING DOCUMENTS

Alliance TECHNICAL GROUP

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

ALLIANCE PROJECT NO. Q1858
QUOTE NO.
COC Number 2046700

CLIENT INFORMATION

REPORT TO BE SENT TO:
COMPANY: Kleinfelder
ADDRESS: 180 Sheree Blvd Suite 3800
CITY Exton STATE: PA ZIP: 19341
ATTENTION: Mark Warchol
PHONE: 484-883-3892 FAX:

CLIENT PROJECT INFORMATION

PROJECT NAME: Henry Lea School
PROJECT NO.: 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

DATA DELIVERABLE INFORMATION

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

ANALYSIS

1: PADEP Historic Non-Fill Parameters
2
3
4
5
6
7
8
9

PRESERVATIVES

E

COMMENTS

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

ALLIANCE SAMPLE ID	PROJECT SAMPLE IDENTIFICATION	SAMPLE MATRIX	SAMPLE TYPE COMP	SAMPLE TYPE GRAB	SAMPLE COLLECTION DATE	SAMPLE COLLECTION TIME	# OF BOTTLES	1	2	3	4	5	6	7	8	9
1.	COMP-1	Soil	✓		4/21/25	9:55	4	✓								
2.	COMP-2	↓	↓		↓	10:45	↓	↓								
3.	COMP-3	↓	↓		↓	11:45	↓	↓								
4.																
5.																
6.																
7.																
8.																
9.																
10.																

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

RELINQUISHED BY SAMPLER:	DATE/TIME:	RECEIVED BY:
1.	4/21/25	1.
2. FedEx	4-22-25	2.
3.		3.

Conditions of bottles or coolers at receipt: ☐ COMPLIANT ☐ NON COMPLIANT ☐ COOLER TEMP 2.5°C °C
(Adjust Factor +1)
Comments: IR GUN #1

Page 1 of 1

CLIENT: ☐ Hand Delivered ☑ Other Fedex

Shipment Complete ☐ YES ☐ NO

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

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

QA Control Code: A2070148

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

LOGIN REPORT/SAMPLE TRANSFER

Order ID :	Q1858 POWE02	**Order Date :**	4/22/2025 2:54:00 PM	**Project Mgr :**	
Client Name :	Kleinfelder	**Project Name :**	Henry Lea School	**Report Type :**	Results+QC
Client Contact :	Mark Warchol	**Receive DateTime :**	4/22/2025 2:50:00 PM	**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
Q1858-01	COMP-1	Solid	04/21/2025	09:55					
					VOCMS Group1		8260D		5 Bus. Days
Q1858-02	COMP-2	Solid	04/21/2025	10:45					
					VOCMS Group1		8260D		5 Bus. Days
Q1858-03	COMP-3	Solid	04/21/2025	11:45					
					VOCMS Group1		8260D		5 Bus. Days

Relinguished By : _____

Date / Time : 4/22/25 1510

Received By : JC

Date / Time : 4/22/25 1510

Storage Area : **VOA Refridgerator Room**