

Cover Page

Order ID : Q2460

Project ID : AEC-2025-0013-CSC 4031 Watervliet

Client : ATG-GREENVILLE AEC

Lab Sample Number

Q2460-01

Client Sample Number

SW-1

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: 7/2/2025

NYDOH CERTIFICATION NO - 11376

NJDEP CERTIFICATION NO - 20012

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 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

APPENDIX A

QA REVIEW GENERAL DOCUMENTATION

Project #: Q2460

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: KETAN PATEL

Date: 07/02/2025



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

LAB CHRONICLE

OrderID:	Q2460	OrderDate:	6/30/2025 8:36:46 AM
Client:	ATG-GREENVILLE AEC	Project:	AEC-2025-0013-CSC 4031 Watervliet
Contact:	Daniel Maalouf	Location:	A32,VOA Lab

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q2460-01	SW-1	Water	VOC-BTEX	8260-Low	06/26/25		07/01/25	06/26/25



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Hit Summary Sheet
SW-846

SDG No.: Q2460

Client: ATG-GREENVILLE AEC

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

0

Total Voc :

Total Concentration:



QC SUMMARY

Surrogate Summary

SDG No.: Q2460

Client: ATG-GREENVILLE AEC

Analytical Method: SW8260-Low

Lab Sample ID	Client ID	Parameter	Spike	Result	Recovery (%)	Qual	Limits (%)	
							Low	High
Q2460-01	SW-1	1,2-Dichloroethane-d4	50	49.4	99		74	125
		Dibromofluoromethane	50	50.9	102		75	124
		Toluene-d8	50	51.5	103		86	113
		4-Bromofluorobenzene	50	52.7	105		77	121
VX0701WBL01	VX0701WBL01	1,2-Dichloroethane-d4	50	49.7	99		74	125
		Dibromofluoromethane	50	51.1	102		75	124
		Toluene-d8	50	50.5	101		86	113
		4-Bromofluorobenzene	50	52.2	104		77	121
VX0701WBS01	VX0701WBS01	1,2-Dichloroethane-d4	50	42.7	85		74	125
		Dibromofluoromethane	50	46.8	94		75	124
		Toluene-d8	50	47.3	94		86	113
		4-Bromofluorobenzene	50	48.0	96		77	121
VX0701WBSD0	VX0701WBSD01	1,2-Dichloroethane-d4	50	45.2	90		74	125
		Dibromofluoromethane	50	48.3	97		75	124
		Toluene-d8	50	47.9	96		86	113
		4-Bromofluorobenzene	50	49.0	98		77	121

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.:	<u>Q2460</u>	Analytical Method:	<u>SW8260-Low</u>
Client:	<u>ATG-GREENVILLE AEC</u>	Datafile :	<u>VX046847.D</u>

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Low	Limits High	RPD
VX0701WBS01	Benzene	20	19.4	ug/L	97			82	109	
	Toluene	20	19.6	ug/L	98			82	110	
	Ethyl Benzene	20	19.2	ug/L	96			83	109	
	m/p-Xylenes	40	39.3	ug/L	98			82	110	
	o-Xylene	20	19.8	ug/L	99			83	109	

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.:	<u>Q2460</u>	Analytical Method:	<u>SW8260-Low</u>
Client:	<u>ATG-GREENVILLE AEC</u>	Datafile :	<u>VX046848.D</u>

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Low	Limits High	RPD
VX0701WBSD01	Benzene	20	19.4	ug/L	97	0		82	109	15
	Toluene	20	19.9	ug/L	100	2		82	110	16
	Ethyl Benzene	20	18.9	ug/L	95	1		83	109	16
	m/p-Xylenes	40	39.2	ug/L	98	0		82	110	15
	o-Xylene	20	19.9	ug/L	100	1		83	109	20

VOLATILE METHOD BLANK SUMMARY

Client ID

VX0701WBL01

Lab Name: Alliance

Contract: ATGG01

Lab Code: ACE

SDG NO.: Q2460

Lab File ID: VX046846.D

Lab Sample ID: VX0701WBL01

Date Analyzed: 07/01/2025

Time Analyzed: 09:41

GC Column: DB-624UI ID: 0.18 (mm)

Heated Purge: (Y/N) N

Instrument ID: MSVOA_X

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
VX0701WBS01	VX0701WBS01	VX046847.D	07/01/2025
VX0701WBSD01	VX0701WBSD01	VX046848.D	07/01/2025
SW-1	Q2460-01	VX046850.D	07/01/2025

COMMENTS: _____



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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: Alliance

Contract: ATGG01

Lab Code: ACE

SDG NO.: Q2460

Lab File ID: VX046715.D

BFB Injection Date: 06/17/2025

Instrument ID: MSVOA_X

BFB Injection Time: 08:46

GC Column: DB-624UI ID: 0.18 (mm)

Heated Purge: Y/N N

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	18.7
75	30.0 - 60.0% of mass 95	50.7
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	0.5 (0.7) 1
174	50.0 - 100.0% of mass 95	74.8
175	5.0 - 9.0% of mass 174	5.5 (7.4) 1
176	95.0 - 101.0% of mass 174	72 (96.2) 1
177	5.0 - 9.0% of mass 176	4.3 (6) 2

1-Value is % mass 174

2-Value is % mass 176

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

CLIENT ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDICC005	VSTDICC005	VX046718.D	06/17/2025	11:19
VSTDICC020	VSTDICC020	VX046719.D	06/17/2025	13:59
VSTDICCC050	VSTDICCC050	VX046720.D	06/17/2025	14:20
VSTDICC100	VSTDICC100	VX046721.D	06/17/2025	14:41
VSTDICC150	VSTDICC150	VX046722.D	06/17/2025	15:02
VSTDICC001	VSTDICC001	VX046725.D	06/17/2025	17:18



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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: Alliance

Contract: ATGG01

Lab Code: ACE

SDG NO.: Q2460

Lab File ID: VX046843.D

BFB Injection Date: 07/01/2025

Instrument ID: MSVOA_X

BFB Injection Time: 08:11

GC Column: DB-624UI ID: 0.18 (mm)

Heated Purge: Y/N N

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	18.6
75	30.0 - 60.0% of mass 95	50.7
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.3
173	Less than 2.0% of mass 174	0.8 (1.1) 1
174	50.0 - 100.0% of mass 95	77
175	5.0 - 9.0% of mass 174	5.8 (7.5) 1
176	95.0 - 101.0% of mass 174	74.4 (96.6) 1
177	5.0 - 9.0% of mass 176	4.7 (6.3) 2

1-Value is % mass 174

2-Value is % mass 176

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

CLIENT ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDCCC050	VSTDCCC050	VX046844.D	07/01/2025	08:53
VX0701WBL01	VX0701WBL01	VX046846.D	07/01/2025	09:41
VX0701WBS01	VX0701WBS01	VX046847.D	07/01/2025	10:15
VX0701WBSD01	VX0701WBSD01	VX046848.D	07/01/2025	10:42
SW-1	Q2460-01	VX046850.D	07/01/2025	11:23

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance Contract: ATGG01
 Lab Code: ACE SDG NO.: Q2460
 Lab File ID: VX046844.D Date Analyzed: 07/01/2025
 Instrument ID: MSVOA_X Time Analyzed: 08:53
 GC Column: DB-624UI ID: 0.18 (mm) Heated Purge: (Y/N) N

	IS1 AREA #	RT #	IS2 AREA #	RT #	IS3 AREA #	RT #
12 HOUR STD	147192	5.56	233068	6.76	203219	10.05
UPPER LIMIT	294384	6.056	466136	7.263	406438	10.549
LOWER LIMIT	73596	5.056	116534	6.263	101610	9.549
EPA SAMPLE NO.						
SW-1	154960	5.56	258078	6.77	234841	10.06
VX0701WBL01	140918	5.56	239139	6.77	216898	10.06
VX0701WBS01	144669	5.56	236747	6.76	211980	10.05
VX0701WBSD01	134985	5.56	220693	6.76	201379	10.05

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.

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance Contract: ATGG01
 Lab Code: ACE SDG NO.: Q2460
 Lab File ID: VX046844.D Date Analyzed: 07/01/2025
 Instrument ID: MSVOA_X Time Analyzed: 08:53
 GC Column: DB-624UI ID: 0.18 (mm) Heated Purge: (Y/N) N

	IS4 AREA #	RT #				
12 HOUR STD	99291	12.018				
UPPER LIMIT	198582	12.518				
LOWER LIMIT	49645.5	11.518				
EPA SAMPLE NO.						
SW-1	121368	12.02				
VX0701WBL01	112050	12.02				
VX0701WBS01	107120	12.02				
VX0701WBSD01	102368	12.02				

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

Report of Analysis

Client:	ATG-GREENVILLE AEC	Date Collected:	06/26/25
Project:	AEC-2025-0013-CSC 4031 Watervliet	Date Received:	06/26/25
Client Sample ID:	SW-1	SDG No.:	Q2460
Lab Sample ID:	Q2460-01	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-BTEX
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX046850.D	50		07/01/25 11:23	VX070125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
71-43-2	Benzene	7.50	U	7.50	50.0	ug/L
108-88-3	Toluene	7.00	U	7.00	50.0	ug/L
100-41-4	Ethyl Benzene	6.50	U	6.50	50.0	ug/L
179601-23-1	m/p-Xylenes	12.0	U	12.0	100	ug/L
95-47-6	o-Xylene	6.00	U	6.00	50.0	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	49.4		74 - 125	99%	SPK: 50
1868-53-7	Dibromofluoromethane	50.9		75 - 124	102%	SPK: 50
2037-26-5	Toluene-d8	51.5		86 - 113	103%	SPK: 50
460-00-4	4-Bromofluorobenzene	52.7		77 - 121	105%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	155000	5.562			
540-36-3	1,4-Difluorobenzene	258000	6.769			
3114-55-4	Chlorobenzene-d5	235000	10.055			
3855-82-1	1,4-Dichlorobenzene-d4	121000	12.018			

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_X\Data\VX070125\
 Data File : VX046850.D
 Acq On : 01 Jul 2025 11:23
 Operator : JC/MD
 Sample : Q2460-01 50X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 SW-1

Quant Time: Jul 02 01:40:00 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X061725W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 18 03:09:16 2025
 Response via : Initial Calibration

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

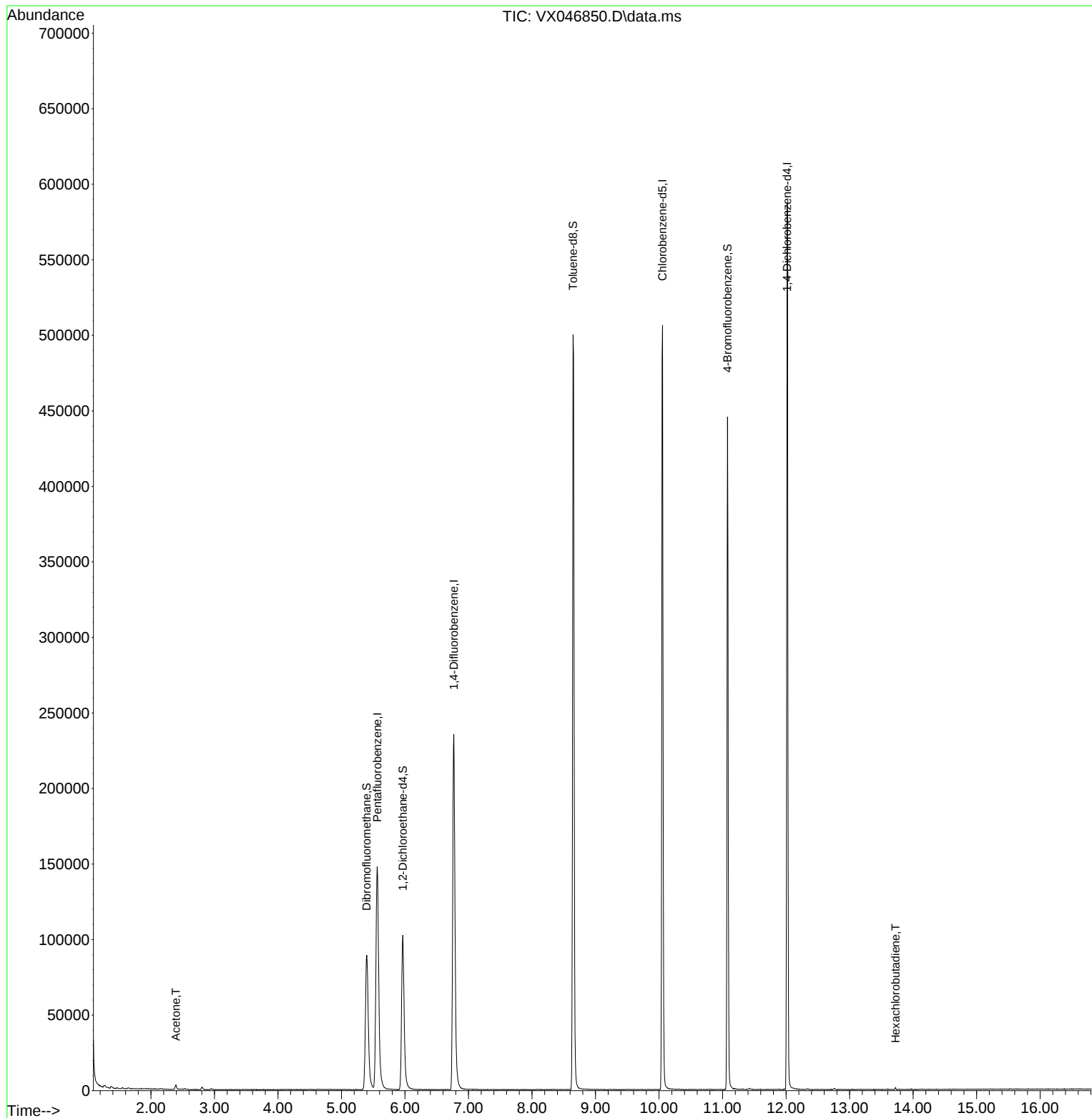
Internal Standards						
1) Pentafluorobenzene	5.562	168	154960	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	258078	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	234841	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	121368	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	105776	49.350	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 98.700%			
35) Dibromofluoromethane	5.397	113	86830	50.851	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 101.700%			
50) Toluene-d8	8.647	98	315776	51.473	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 102.940%			
62) 4-Bromofluorobenzene	11.079	95	120601	52.737	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 105.480%			
Target Compounds						
16) Acetone	2.392	43	3704	5.182	ug/l	90
94) Hexachlorobutadiene	13.725	225	298	0.254	ug/l	82

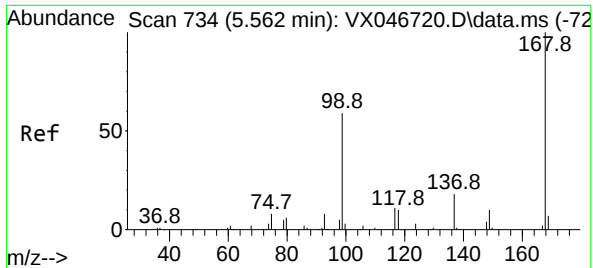
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX070125\
Data File : VX046850.D
Acq On : 01 Jul 2025 11:23
Operator : JC/MD
Sample : Q2460-01 50X
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
SW-1

Quant Time: Jul 02 01:40:00 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X061725W.M
Quant Title : SW846 8260
QLast Update : Wed Jun 18 03:09:16 2025
Response via : Initial Calibration

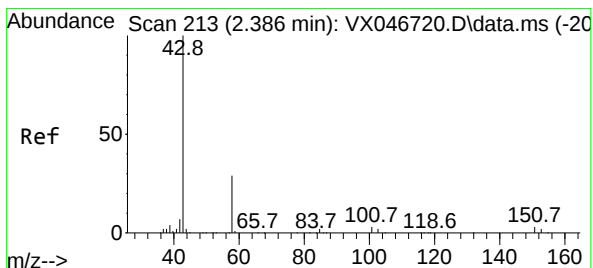
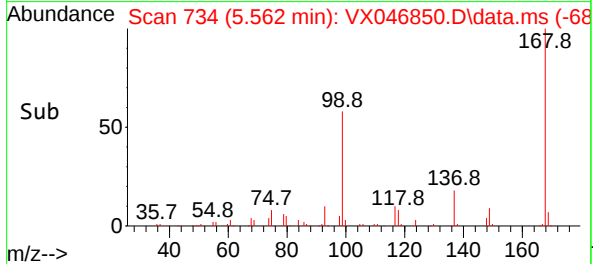
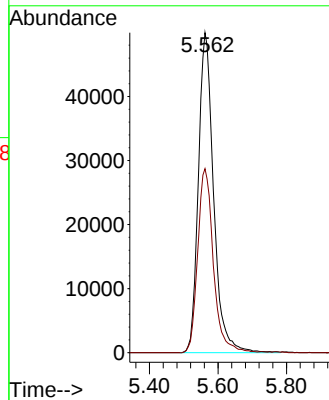
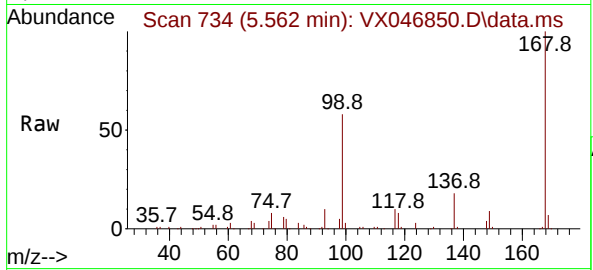




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX046850.D
Acq: 01 Jul 2025 11:23

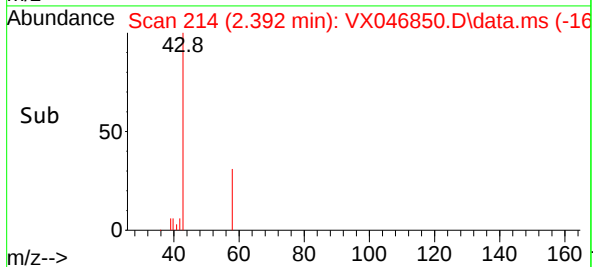
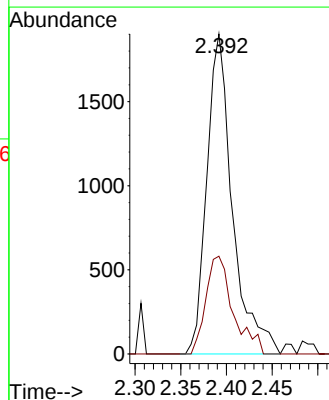
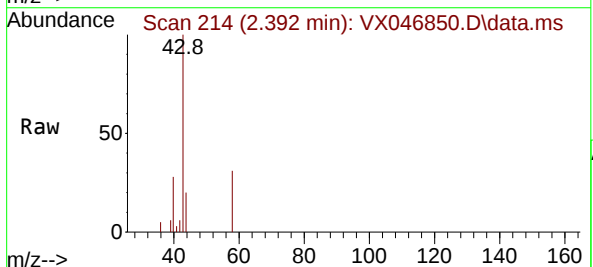
Instrument :
MSVOA_X
ClientSampleId :
SW-1

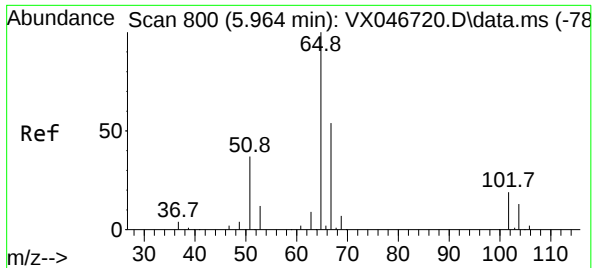
Tgt Ion:168 Resp: 154960
Ion Ratio Lower Upper
168 100
99 57.5 48.5 72.7



#16
Acetone
Concen: 5.182 ug/l
RT: 2.392 min Scan# 214
Delta R.T. 0.006 min
Lab File: VX046850.D
Acq: 01 Jul 2025 11:23

Tgt Ion: 43 Resp: 3704
Ion Ratio Lower Upper
43 100
58 25.4 24.5 36.7





#33

1,2-Dichloroethane-d4

Concen: 49.350 ug/l

RT: 5.964 min Scan# 800

Delta R.T. -0.000 min

Lab File: VX046850.D

Acq: 01 Jul 2025 11:23

Instrument :

MSVOA_X

ClientSampleId :

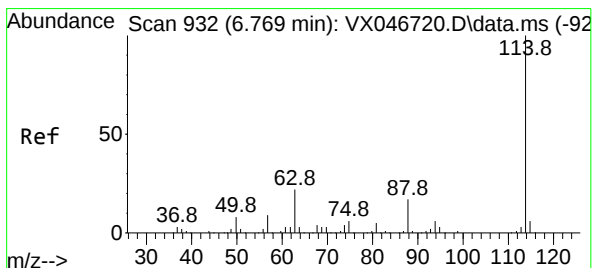
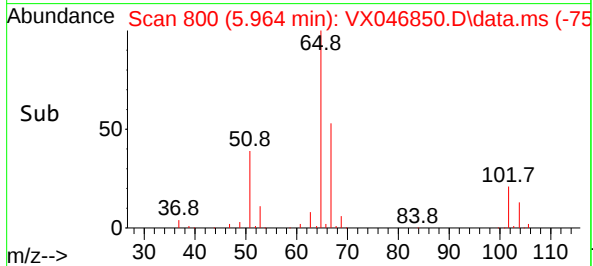
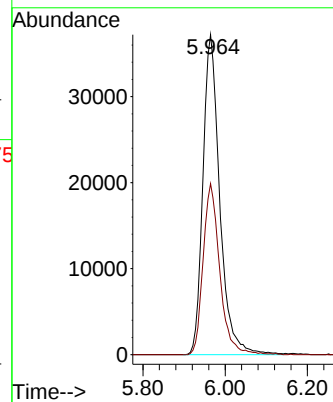
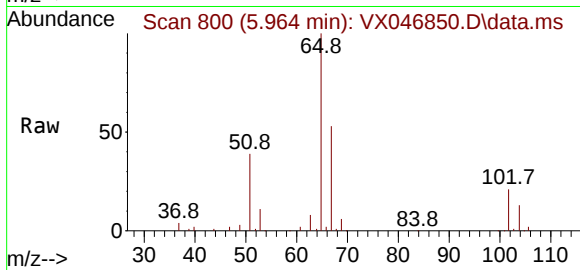
SW-1

Tgt Ion: 65 Resp: 105776

Ion Ratio Lower Upper

65 100

67 52.9 0.0 105.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.769 min Scan# 932

Delta R.T. -0.000 min

Lab File: VX046850.D

Acq: 01 Jul 2025 11:23

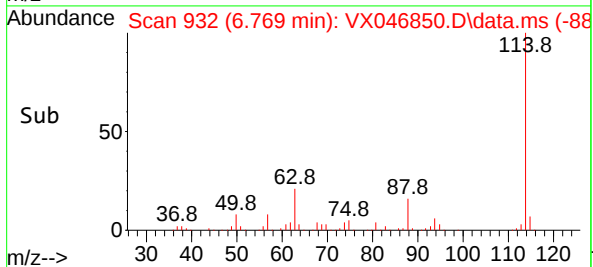
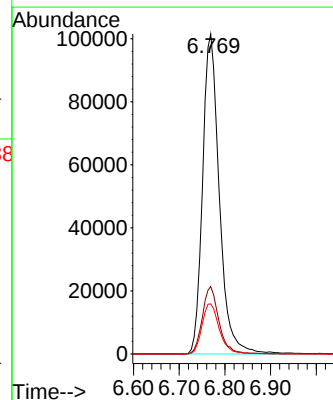
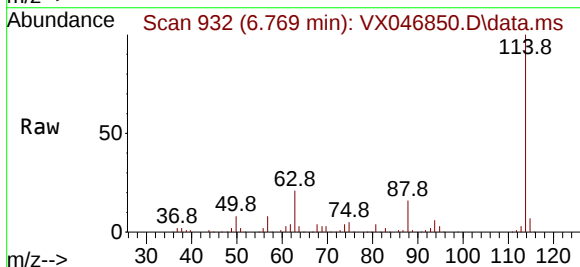
Tgt Ion: 114 Resp: 258078

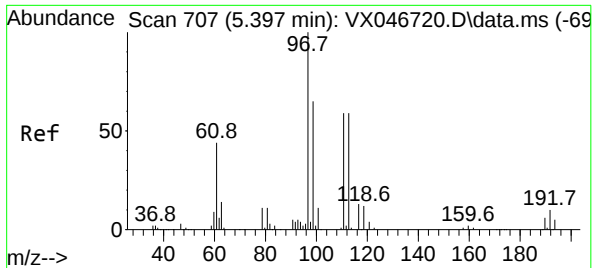
Ion Ratio Lower Upper

114 100

63 24.0 0.0 44.2

88 15.7 0.0 33.2





#35

Dibromofluoromethane

Concen: 50.851 ug/l

RT: 5.397 min Scan# 707

Delta R.T. -0.000 min

Lab File: VX046850.D

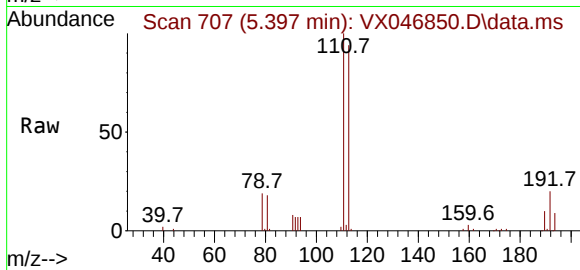
Acq: 01 Jul 2025 11:23

Instrument :

MSVOA_X

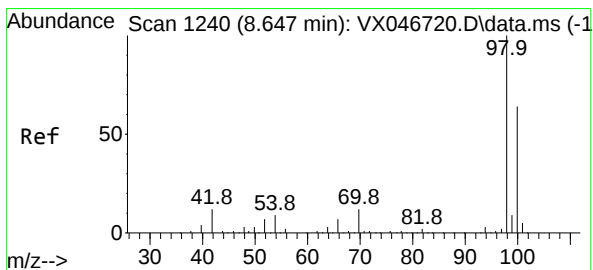
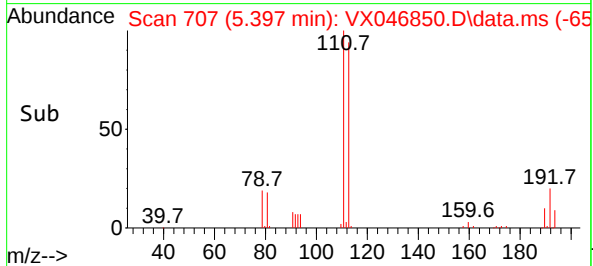
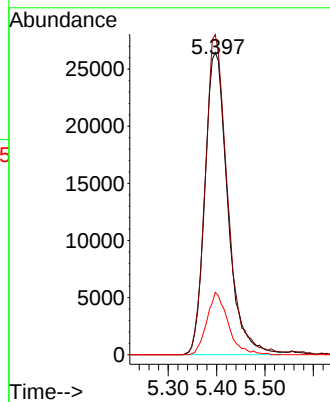
ClientSampleId :

SW-1



Tgt Ion:113 Resp: 86830

Ion	Ratio	Lower	Upper
113	100		
111	103.8	82.0	123.0
192	19.2	15.3	22.9



#50

Toluene-d8

Concen: 51.473 ug/l

RT: 8.647 min Scan# 1240

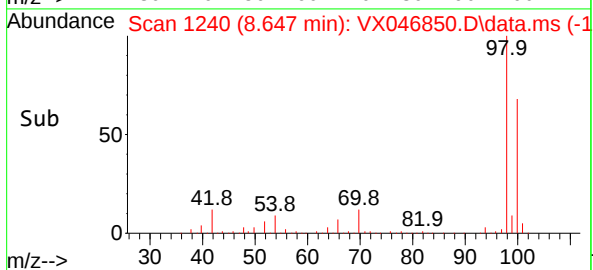
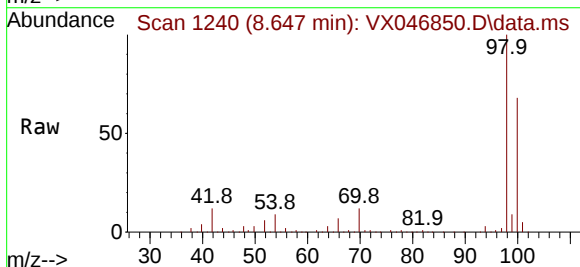
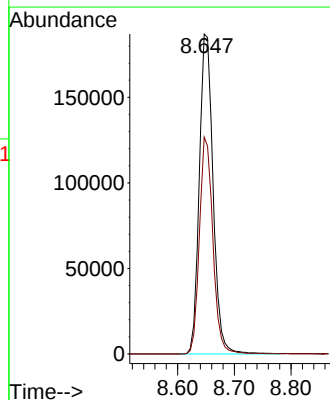
Delta R.T. -0.000 min

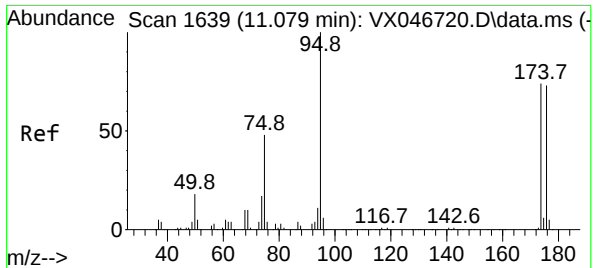
Lab File: VX046850.D

Acq: 01 Jul 2025 11:23

Tgt Ion: 98 Resp: 315776

Ion	Ratio	Lower	Upper
98	100		
100	66.4	53.0	79.4

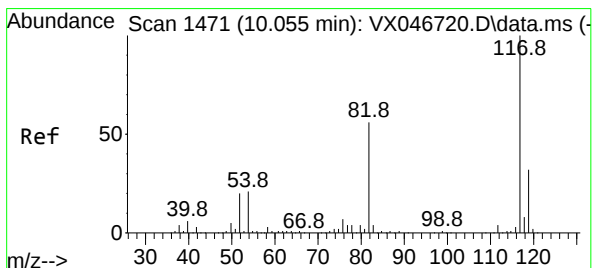
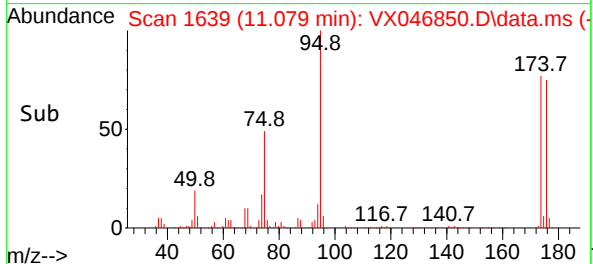
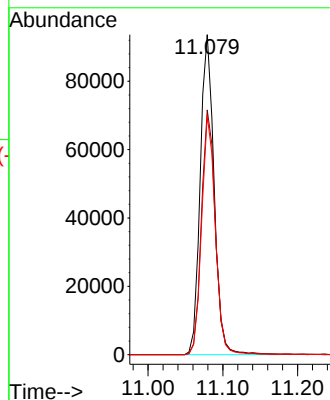
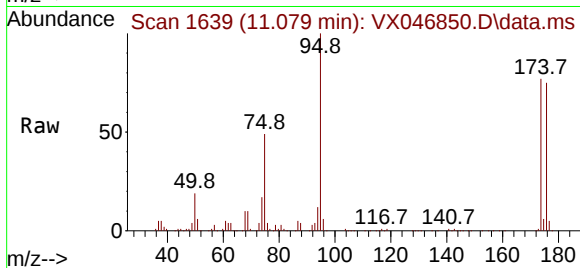




#62
4-Bromofluorobenzene
Concen: 52.737 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX046850.D
Acq: 01 Jul 2025 11:23

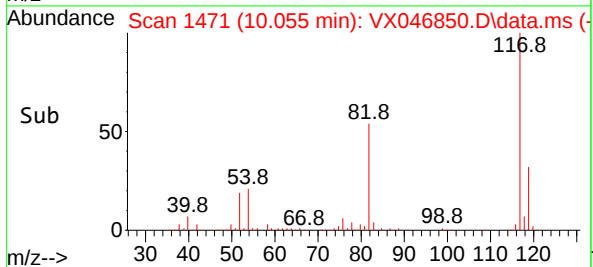
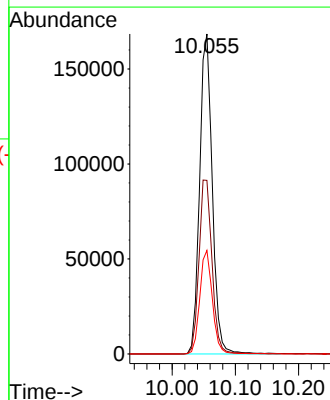
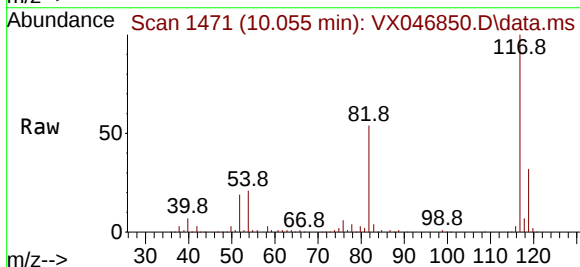
Instrument :
MSVOA_X
ClientSampleId :
SW-1

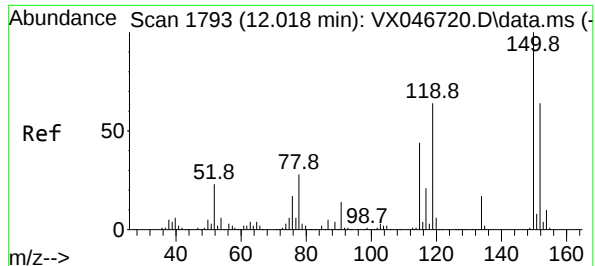
Tgt Ion: 95 Resp: 120601
Ion Ratio Lower Upper
95 100
174 77.0 0.0 150.4
176 73.8 0.0 145.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX046850.D
Acq: 01 Jul 2025 11:23

Tgt Ion: 117 Resp: 234841
Ion Ratio Lower Upper
117 100
82 54.2 44.6 66.8
119 32.4 25.8 38.8





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.018 min Scan# 11

Delta R.T. -0.000 min

Lab File: VX046850.D

Acq: 01 Jul 2025 11:23

Instrument :

MSVOA_X

ClientSampleId :

SW-1

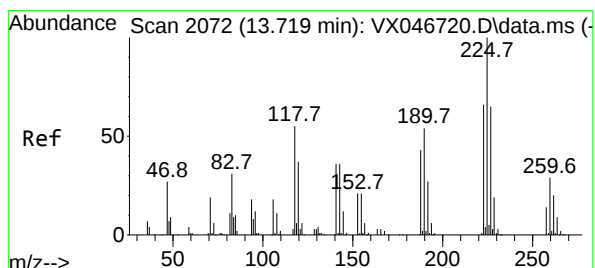
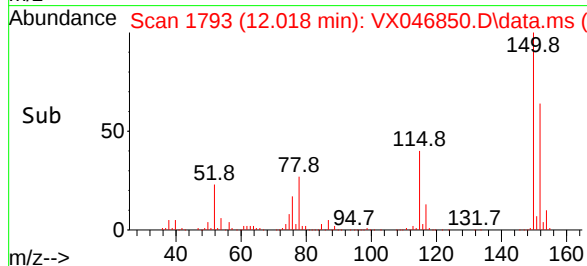
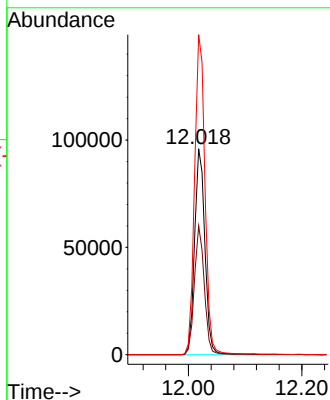
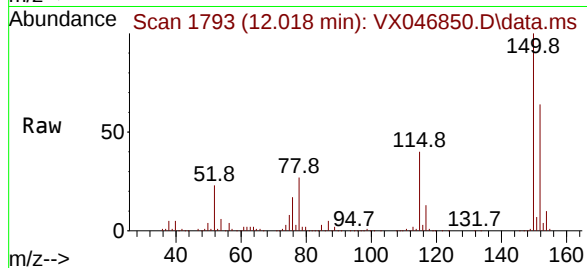
Tgt Ion:152 Resp: 121368

Ion Ratio Lower Upper

152 100

115 60.3 43.2 129.6

150 156.5 0.0 346.8



#94

Hexachlorobutadiene

Concen: 0.254 ug/l

RT: 13.725 min Scan# 2073

Delta R.T. 0.006 min

Lab File: VX046850.D

Acq: 01 Jul 2025 11:23

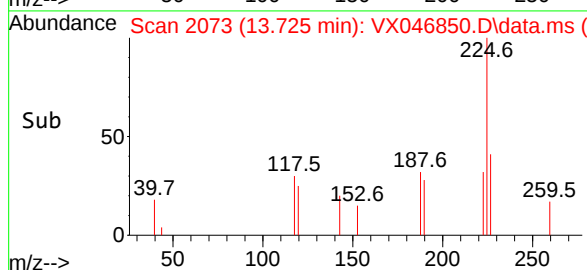
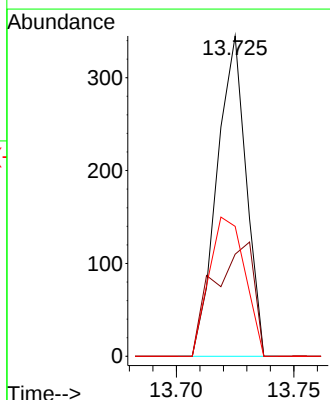
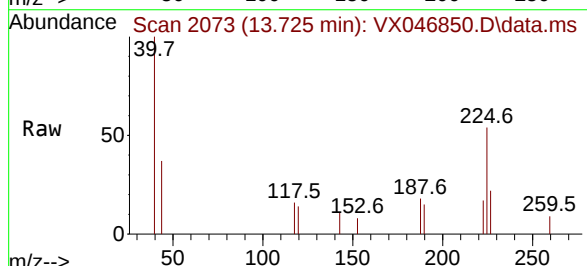
Tgt Ion:225 Resp: 298

Ion Ratio Lower Upper

225 100

223 48.3 32.5 97.5

227 53.4 32.2 96.6





CALIBRATION SUMMARY



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

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: Alliance Contract: ATGG01
 Lab Code: ACE SDG No.: Q2460
 Instrument ID: MSVOA_X Calibration Date(s): 06/17/2025 06/17/2025
 Heated Purge: (Y/N) N Calibration Time(s): 11:19 17:18
 GC Column: DB-624UI ID: 0.18 (mm)

LAB FILE ID:		RRF005 = VX046718.D		RRF020 = VX046719.D		RRF050 = VX046720.D			
		RRF100 = VX046721.D		RRF150 = VX046722.D		RRF001 = VX046725.D			
COMPOUND	RRF005	RRF020	RRF050	RRF100	RRF150	RRF001	RRF	% RSD	
Benzene	1.431	1.477	1.417	1.509	1.427	1.218	1.413	7.2	
Toluene	0.884	0.927	0.888	0.927	0.881	0.750	0.876	7.4	
Ethyl Benzene	1.905	2.030	1.933	2.062	1.945	1.696	1.929	6.7	
m/p-Xylenes	0.705	0.764	0.724	0.765	0.718	0.635	0.719	6.7	
o-Xylene	0.686	0.729	0.692	0.739	0.698	0.498	0.673	13.1	
1,2-Dichloroethane-d4	0.801	0.567	0.649	0.726	0.714		0.692	12.7	
Dibromofluoromethane	0.362	0.267	0.320	0.354	0.351		0.331	11.9	
Toluene-d8	1.342	0.973	1.144	1.250	1.234		1.189	11.7	
4-Bromofluorobenzene	0.513	0.354	0.426	0.466	0.456		0.443	13.3	

* 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.

Method Path : Z:\voasrv\HPCHEM1\MSVOA_X\Method\
 Method File : 82X061725W.M
 Title : SW846 8260
 Last Update : Wed Jun 18 03:09:16 2025
 Response Via : Initial Calibration

Calibration Files

1 =VX046725.D 5 =VX046718.D 20 =VX046719.D 50 =VX046720.D 100 =VX046721.D 150 =VX046722.D

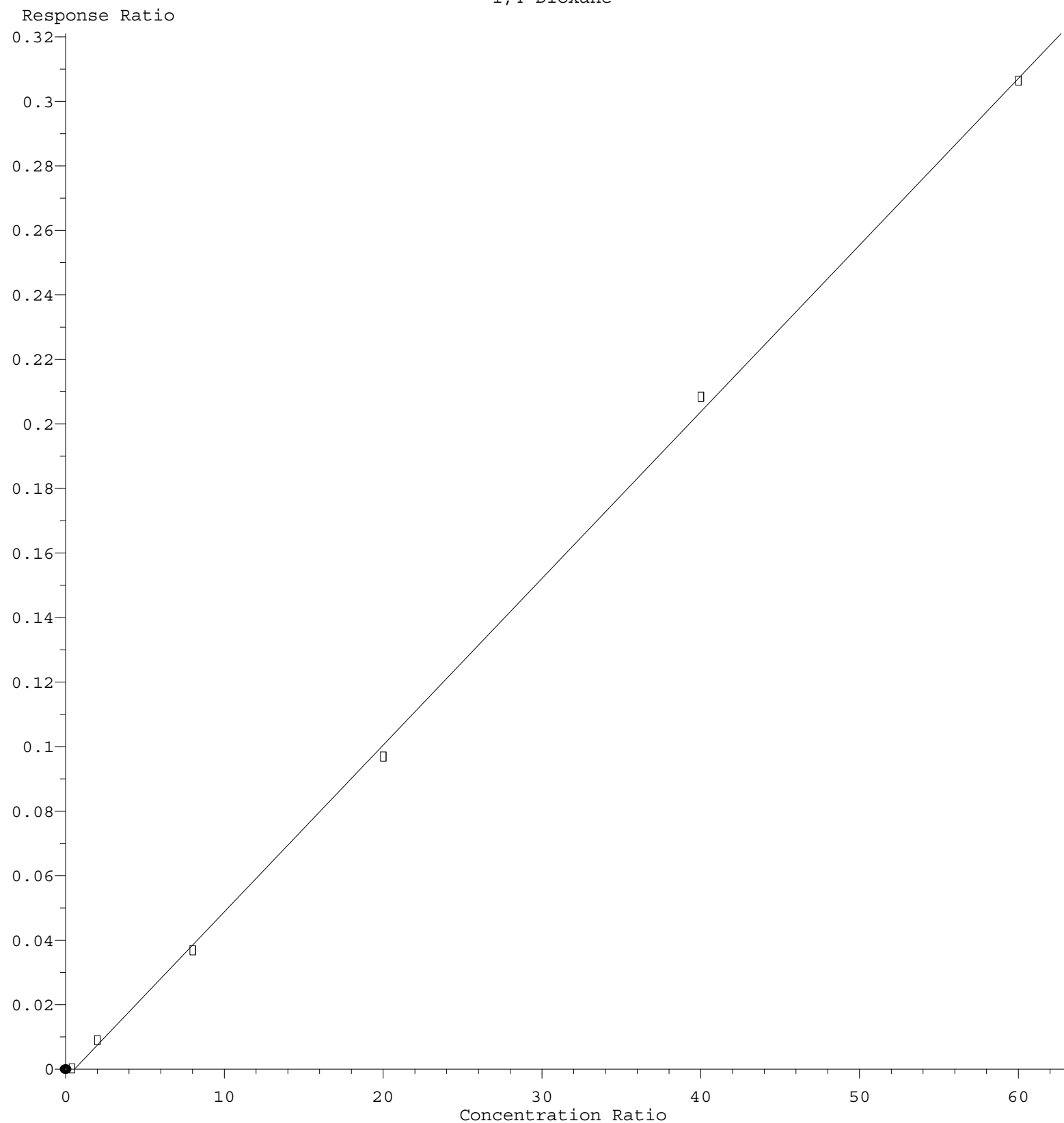
	Compound	1	5	20	50	100	150	Avg	%RSD
1) I	Pentafluorobenzene	-----ISTD-----							
2) T	Dichlorodifluo...	0.425	0.464	0.507	0.583	0.627	0.598	0.534	15.13
3) P	Chloromethane	0.485	0.541	0.570	0.593	0.641	0.627	0.576	9.97
4) C	Vinyl Chloride	0.521	0.569	0.632	0.634	0.687	0.644	0.614	9.68#
5) T	Bromomethane		0.371	0.367	0.369	0.341	0.280	0.346	11.13
6) T	Chloroethane	0.332	0.350	0.388	0.377	0.405	0.381	0.372	7.12
7) T	Trichlorofluor...	0.757	0.897	0.974	0.967	1.030	0.972	0.933	10.30
8) T	Diethyl Ether	0.265	0.309	0.337	0.322	0.352	0.336	0.320	9.58
9) T	1,1,2-Trichlor...	0.470	0.563	0.608	0.576	0.623	0.594	0.572	9.55
10) T	Methyl Iodide		0.447	0.566	0.654	0.788	0.752	0.642	21.71
11) T	Tert butyl alc...		0.048	0.061	0.062	0.071	0.069	0.062	14.45
12) CM	1,1-Dichloroet...	0.451	0.527	0.574	0.569	0.609	0.583	0.552	10.21#
13) T	Acrolein		0.095	0.074	0.087	0.098	0.097	0.090	11.04
14) T	Allyl chloride	0.876	0.934	1.042	0.999	1.102	1.051	1.001	8.30
15) T	Acrylonitrile	0.226	0.270	0.287	0.285	0.312	0.295	0.279	10.61
16) T	Acetone	0.251	0.219	0.222	0.220	0.238	0.234	0.231	5.60
17) T	Carbon Disulfide	1.869	1.503	1.644	1.599	1.735	1.656	1.668	7.46
18) T	Methyl Acetate	0.470	0.577	0.590	0.581	0.650	0.647	0.586	11.17
19) T	Methyl tert-bu...	1.427	1.628	1.803	1.752	1.898	1.808	1.720	9.79
20) T	Methylene Chlo...	0.637	0.655	0.655	0.610	0.666	0.624	0.641	3.32
21) T	trans-1,2-Dich...	0.529	0.569	0.627	0.589	0.637	0.595	0.591	6.68
22) T	Diisopropyl ether	1.531	1.883	2.073	1.967	2.113	1.973	1.923	10.87
23) T	Vinyl Acetate	1.138	1.423	1.608	1.596	1.747	1.664	1.529	14.33
24) P	1,1-Dichloroet...	0.972	1.054	1.153	1.088	1.170	1.114	1.092	6.63
25) T	2-Butanone	0.251	0.319	0.325	0.338	0.371	0.353	0.326	12.66
26) T	2,2-Dichloropr...	0.688	0.768	0.798	0.761	0.878	0.886	0.796	9.49
27) T	cis-1,2-Dichlo...	0.623	0.681	0.731	0.686	0.741	0.704	0.694	6.06
28) T	Bromochloromet...	0.480	0.527	0.459	0.485	0.519	0.500	0.495	5.18
29) T	Tetrahydrofuran	0.162	0.205	0.211	0.216	0.240	0.229	0.211	12.74
30) C	Chloroform	0.857	1.102	1.190	1.114	1.181	1.109	1.092	11.08#
31) T	Cyclohexane		0.983	1.086	1.013	1.074	1.021	1.036	4.20
32) T	1,1,1-Trichlor...	0.812	0.931	1.012	0.956	1.046	0.990	0.958	8.58
33) S	1,2-Dichloroet...		0.801	0.567	0.649	0.726	0.714	0.692	12.70
34) I	1,4-Difluorobenzene	-----ISTD-----							
35) S	Dibromofluorom...		0.362	0.267	0.320	0.354	0.351	0.331	11.89
36) T	1,1-Dichloropr...	0.446	0.477	0.486	0.477	0.500	0.480	0.478	3.73
37) T	Ethyl Acetate	0.443	0.404	0.440	0.431	0.468	0.459	0.441	5.11
38) T	Carbon Tetrach...	0.470	0.509	0.537	0.515	0.548	0.531	0.518	5.37
39) T	Methylcyclohexane	0.550	0.631	0.642	0.629	0.672	0.647	0.628	6.61
40) TM	Benzene	1.218	1.431	1.477	1.417	1.509	1.427	1.413	7.22
41) T	Methacrylonitrile	0.190	0.207	0.242	0.239	0.267	0.266	0.235	13.31
42) TM	1,2-Dichloroet...	0.429	0.508	0.523	0.495	0.528	0.497	0.497	7.23
43) T	Isopropyl Acetate	0.491	0.678	0.689	0.716	0.795	0.770	0.690	15.63
44) TM	Trichloroethene	0.320	0.355	0.374	0.356	0.389	0.366	0.360	6.47
45) C	1,2-Dichloropr...	0.305	0.347	0.372	0.346	0.374	0.357	0.350	7.18#
46) T	Dibromomethane	0.228	0.243	0.260	0.251	0.270	0.259	0.252	5.92
47) T	Bromodichlorom...	0.404	0.510	0.545	0.522	0.562	0.540	0.514	11.07
48) T	Methyl methacr...	0.232	0.316	0.352	0.370	0.409	0.396	0.346	18.71
49) T	1,4-Dioxane	0.001	0.004	0.005	0.005	0.005	0.005	0.004	42.21
50) S	Toluene-d8		1.342	0.973	1.144	1.250	1.234	1.189	11.72
51) T	4-Methyl-2-Pen...	0.322	0.408	0.414	0.426	0.460	0.439	0.411	11.62
52) CM	Toluene	0.750	0.884	0.927	0.888	0.927	0.881	0.876	7.43#
53) T	t-1,3-Dichloro...	0.355	0.438	0.484	0.488	0.555	0.540	0.477	15.29
54) T	cis-1,3-Dichlo...	0.436	0.516	0.555	0.548	0.603	0.589	0.541	11.13
55) T	1,1,2-Trichlor...	0.287	0.330	0.341	0.326	0.347	0.329	0.327	6.43
56) T	Ethyl methacry...	0.327	0.465	0.493	0.507	0.560	0.540	0.482	17.24

Method Path : Z:\voasrv\HPCHEM1\MSVOA_X\Method\
 Method File : 82X061725W.M

57)	T	1,3-Dichloropr...	0.497	0.575	0.576	0.562	0.600	0.563	0.562	6.16
58)	T	2-Chloroethyl ...	0.167	0.241	0.235	0.281	0.296	0.282	0.250	18.96
59)	T	2-Hexanone	0.214	0.285	0.285	0.297	0.320	0.305	0.284	13.04
60)	T	Dibromochlorom...	0.318	0.380	0.402	0.388	0.419	0.402	0.385	9.25
61)	T	1,2-Dibromoethane	0.267	0.333	0.348	0.335	0.363	0.346	0.332	10.10
62)	S	4-Bromofluorob...	0.513	0.354	0.426	0.466	0.456	0.443		13.28
63)	I	Chlorobenzene-d5	-----ISTD-----							
64)	T	Tetrachloroethene	0.341	0.345	0.353	0.340	0.360	0.339	0.346	2.43
65)	PM	Chlorobenzene	1.005	1.114	1.148	1.091	1.165	1.100	1.104	5.09
66)	T	1,1,1,2-Tetrac...	0.302	0.358	0.398	0.373	0.408	0.386	0.371	10.22
67)	C	Ethyl Benzene	1.696	1.905	2.030	1.933	2.062	1.945	1.929	6.68#
68)	T	m/p-Xylenes	0.635	0.705	0.764	0.724	0.765	0.718	0.719	6.68
69)	T	o-Xylene	0.498	0.686	0.729	0.692	0.739	0.698	0.673	13.15
70)	T	Styrene	0.993	1.144	1.256	1.208	1.267	1.203	1.179	8.57
71)	P	Bromoform	0.226	0.268	0.295	0.287	0.315	0.304	0.282	11.35
72)	I	1,4-Dichlorobenzen...	-----ISTD-----							
73)	T	Isopropylbenzene	3.048	3.593	3.914	3.723	4.004	3.814	3.682	9.31
74)	T	N-amyl acetate	0.927	1.237	1.455	1.467	1.660	1.625	1.395	19.64
75)	P	1,1,2,2-Tetrac...	0.816	1.037	1.075	1.044	1.124	1.074	1.028	10.56
76)	T	1,2,3-Trichlor...	0.650	0.959	1.066	0.990	0.938	0.892	0.916	15.58
77)	T	Bromobenzene	0.744	0.861	0.953	0.892	0.956	0.911	0.886	8.87
78)	T	n-propylbenzene	3.642	4.243	4.682	4.430	4.737	4.509	4.374	9.16
79)	T	2-Chlorotoluene	2.363	2.596	2.736	2.586	2.770	2.618	2.611	5.50
80)	T	1,3,5-Trimethy...	2.497	2.888	3.297	3.072	3.294	3.108	3.026	9.94
81)	T	trans-1,4-Dich...	0.264	0.297	0.311	0.367	0.381	0.324		15.12
82)	T	4-Chlorotoluene	2.734	2.980	3.255	3.024	3.227	3.066	3.048	6.21
83)	T	tert-Butylbenzene	2.658	3.043	3.316	3.122	3.395	3.234	3.128	8.41
84)	T	1,2,4-Trimethy...	2.455	2.992	3.270	3.061	3.302	3.162	3.040	10.20
85)	T	sec-Butylbenzene	3.301	3.920	4.198	3.999	4.272	4.030	3.953	8.73
86)	T	p-Isopropyltol...	2.905	3.275	3.526	3.340	3.574	3.394	3.336	7.17
87)	T	1,3-Dichlorobe...	1.694	1.703	1.787	1.678	1.786	1.719	1.728	2.74
88)	T	1,4-Dichlorobe...	1.932	1.743	1.830	1.653	1.789	1.702	1.775	5.59
89)	T	n-Butylbenzene	2.986	2.970	3.284	3.154	3.415	3.194	3.167	5.43
90)	T	Hexachloroethane	0.522	0.523	0.601	0.584	0.647	0.627	0.584	8.97
91)	T	1,2-Dichlorobe...	1.460	1.604	1.701	1.592	1.703	1.627	1.615	5.55
92)	T	1,2-Dibromo-3-...	0.134	0.196	0.205	0.211	0.235	0.237	0.203	18.57
93)	T	1,2,4-Trichlor...	1.170	1.040	1.138	1.127	1.253	1.160	1.148	5.99
94)	T	Hexachlorobuta...	0.495	0.490	0.501	0.479	0.512	0.420	0.483	6.78
95)	T	Naphthalene	2.636	2.887	3.301	3.335	3.744	3.720	3.270	13.54
96)	T	1,2,3-Trichlor...	0.957	1.062	1.129	1.082	1.206	1.153	1.098	7.87

(#) = Out of Range

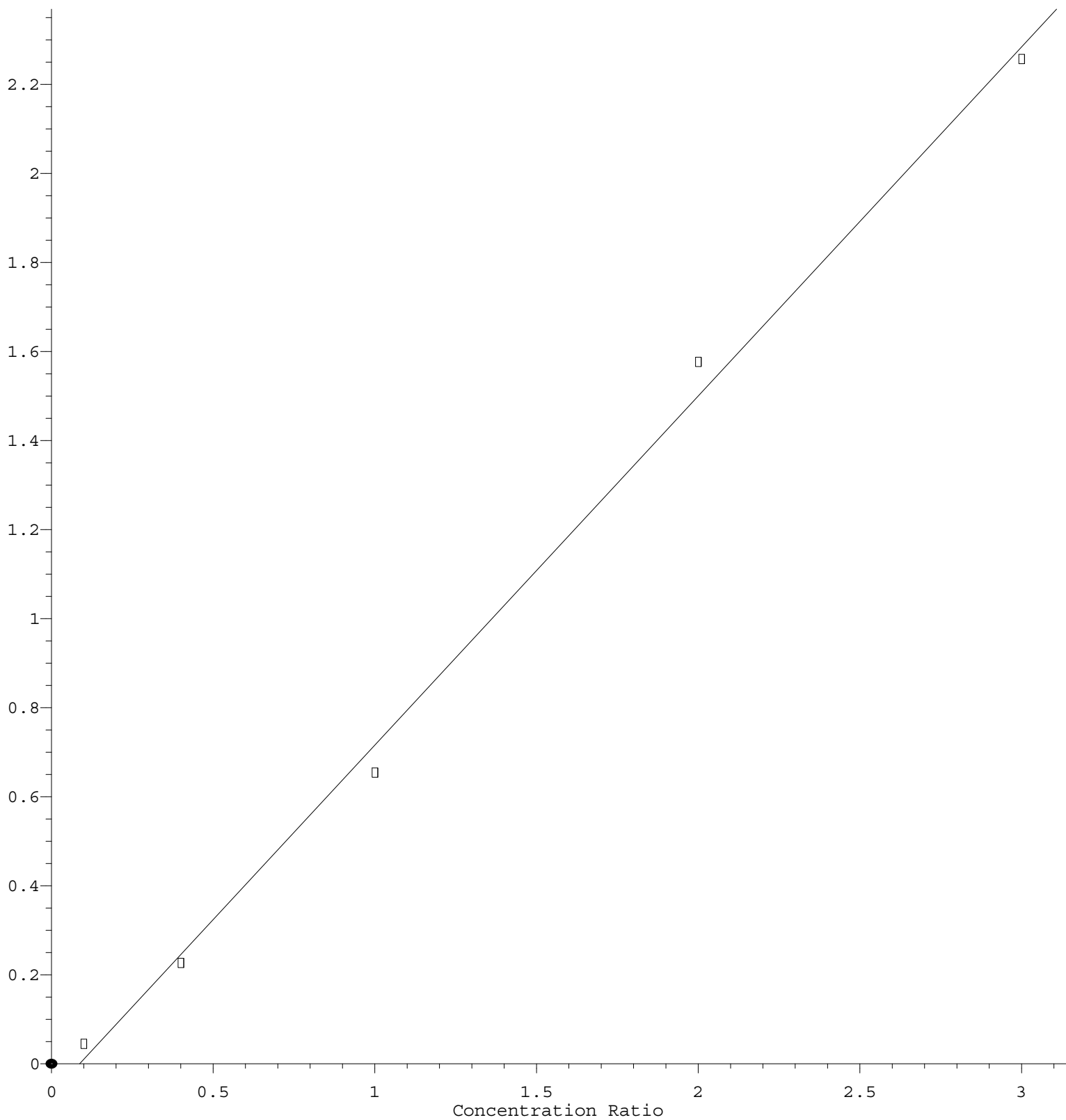
1,4-Dioxane



Response = $5.178 \times 10^{-3} \times \text{Amt} - 2.920 \times 10^{-3}$
 Coef of Det (r^2) = 0.999471 Curve Fit: Linear
 Method Name: Z:\voasrv\HPCHEM1\MSVOA X\Method\82X061725W.M
 Calibration Table Last Updated: Wed Jun 18 03:09:16 2025

Methyl Iodide

Response Ratio



$$\text{Response} = 7.844\text{e-}001 * \text{Amt} - 6.799\text{e-}002$$

Coef of Det (r^2) = 0.996612 Curve Fit: Linear

Method Name: Z:\voasrv\HPCHEM1\MSVOA X\Method\82X061725W.M

Calibration Table Last Updated: Wed Jun 18 03:09:16 2025

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX061725\
 Data File : VX046718.D
 Acq On : 17 Jun 2025 11:19
 Operator : JC/MD
 Sample : VSTDICC005
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICC005

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 06/18/2025
 Supervised By :Mahesh Dadoda 06/18/2025

Quant Time: Jun 18 02:37:34 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X061725W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 18 02:34:13 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.562	168	130530	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	217019	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	195782	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	100990	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	10456	5.791	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	11.580%#		
35) Dibromofluoromethane	5.403	113	7865	5.478	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	10.960%#		
50) Toluene-d8	8.653	98	29120	5.645	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	11.280%#		
62) 4-Bromofluorobenzene	11.079	95	11137	5.791	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	11.580%#		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.179	85	6051	4.342	ug/l	99
3) Chloromethane	1.307	50	7066	4.698	ug/l	90
4) Vinyl Chloride	1.386	62	7425	4.629	ug/l	99
5) Bromomethane	1.617	94	4837	5.360	ug/l	95
6) Chloroethane	1.703	64	4575	4.706	ug/l	92
7) Trichlorofluoromethane	1.904	101	11714	4.810	ug/l	92
8) Diethyl Ether	2.148	74	4038	4.831	ug/l	98
9) 1,1,2-Trichlorotrifluo...	2.349	101	7353	4.921	ug/l	96
10) Methyl Iodide	2.465	142	5830	7.181	ug/l	99
11) Tert butyl alcohol	2.959	59	3134	19.340	ug/l	99
12) 1,1-Dichloroethene	2.337	96	6884	4.775	ug/l	91
13) Acrolein	2.251	56	6208	26.301	ug/l	100
14) Allyl chloride	2.678	41	12195	4.668	ug/l	99
15) Acrylonitrile	3.081	53	17611	24.169	ug/l	99
16) Acetone	2.392	43	14275	23.710	ug/l	98
17) Carbon Disulfide	2.526	76	19624	4.507	ug/l	100
18) Methyl Acetate	2.721	43	7530	4.924	ug/l	100
19) Methyl tert-butyl Ether	3.123	73	21254	4.734	ug/l	97
20) Methylene Chloride	2.800	84	8556	5.110	ug/l	97
21) trans-1,2-Dichloroethene	3.111	96	7425	4.813	ug/l	97
22) Diisopropyl ether	3.769	45	24580	4.895	ug/l #	67
23) Vinyl Acetate	3.739	43	92889	23.264	ug/l	98
24) 1,1-Dichloroethane	3.623	63	13761	4.827	ug/l	99
25) 2-Butanone	4.580	43	20821	24.452	ug/l	97
26) 2,2-Dichloropropane	4.483	77	10020	4.819	ug/l	96
27) cis-1,2-Dichloroethene	4.507	96	8891	4.906	ug/l	99
28) Bromochloromethane	4.910	49	6884	5.326	ug/l #	96
29) Tetrahydrofuran	5.025	42	13402	24.367	ug/l	99
30) Chloroform	5.099	83	14385	5.046	ug/l	86
31) Cyclohexane	5.483	56	12835	4.748	ug/l	94
32) 1,1,1-Trichloroethane	5.397	97	12150	4.859	ug/l	97
36) 1,1-Dichloropropene	5.702	75	10359	4.998	ug/l	99
37) Ethyl Acetate	4.733	43	8763	4.580	ug/l	96
38) Carbon Tetrachloride	5.690	117	11043	4.909	ug/l	98
39) Methylcyclohexane	7.391	83	13704	5.024	ug/l #	87
40) Benzene	6.050	78	31061	5.064	ug/l	97

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX061725\
 Data File : VX046718.D
 Acq On : 17 Jun 2025 11:19
 Operator : JC/MD
 Sample : VSTDICC005
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICC005

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 06/18/2025
 Supervised By :Mahesh Dadoda 06/18/2025

Quant Time: Jun 18 02:37:34 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X061725W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 18 02:34:13 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.940	41	4488	4.400	ug/l #	92
42) 1,2-Dichloroethane	6.104	62	11029	5.116	ug/l	98
43) Isopropyl Acetate	6.348	43	14711	4.914	ug/l	97
44) Trichloroethene	7.135	130	7703	4.927	ug/l	93
45) 1,2-Dichloropropane	7.433	63	7529	4.952	ug/l	97
46) Dibromomethane	7.592	93	5267	4.821	ug/l	95
47) Bromodichloromethane	7.824	83	11072	4.966	ug/l	96
48) Methyl methacrylate	7.702	41	6864	4.571	ug/l	99
49) 1,4-Dioxane	7.671	88	1949	113.091	ug/l	95
51) 4-Methyl-2-Pentanone	8.574	43	44282	24.800	ug/l	97
52) Toluene	8.720	92	19190	5.046	ug/l	99
53) t-1,3-Dichloropropene	8.982	75	9497	4.591	ug/l	99
54) cis-1,3-Dichloropropene	8.372	75	11188	4.764	ug/l	95
55) 1,1,2-Trichloroethane	9.153	97	7151	5.046	ug/l	95
56) Ethyl methacrylate	9.122	69	10101	4.828	ug/l	99
57) 1,3-Dichloropropane	9.311	76	12483	5.115	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.244	63	26158	24.071	ug/l	100
59) 2-Hexanone	9.433	43	30938	25.062	ug/l	99
60) Dibromochloromethane	9.518	129	8249	4.939	ug/l	99
61) 1,2-Dibromoethane	9.610	107	7221	5.009	ug/l	98
64) Tetrachloroethene	9.275	164	6755	4.980	ug/l	97
65) Chlorobenzene	10.079	112	21807	5.046	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.165	131	7006	4.823	ug/l	98
67) Ethyl Benzene	10.195	91	37295	4.939	ug/l	98
68) m/p-Xylenes	10.299	106	27609	9.812	ug/l	96
69) o-Xylene	10.640	106	13421	5.090	ug/l	97
70) Styrene	10.659	104	22403	4.855	ug/l	100
71) Bromoform	10.799	173	5248	4.744	ug/l #	100
73) Isopropylbenzene	10.963	105	36281	4.878	ug/l	99
74) N-amyl acetate	10.841	43	12496	4.434	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.213	83	10468	5.040	ug/l	99
76) 1,2,3-Trichloropropane	11.238	75	9687m	4.722	ug/l	
77) Bromobenzene	11.201	156	8694	4.857	ug/l	95
78) n-propylbenzene	11.305	91	42848	4.850	ug/l	100
79) 2-Chlorotoluene	11.366	91	26221	4.971	ug/l	100
80) 1,3,5-Trimethylbenzene	11.451	105	29167	4.772	ug/l	99
81) trans-1,4-Dichloro-2-b...	11.018	75	2663	4.070	ug/l	94
82) 4-Chlorotoluene	11.457	91	30097	4.889	ug/l	99
83) tert-Butylbenzene	11.713	119	30728	4.864	ug/l	99
84) 1,2,4-Trimethylbenzene	11.750	105	30213	4.920	ug/l	98
85) sec-Butylbenzene	11.890	105	39588	4.958	ug/l	100
86) p-Isopropyltoluene	12.006	119	33076	4.909	ug/l	99
87) 1,3-Dichlorobenzene	11.969	146	17198	4.928	ug/l	99
88) 1,4-Dichlorobenzene	12.036	146	17600	4.910	ug/l	95
89) n-Butylbenzene	12.329	91	29990	4.688	ug/l	98
90) Hexachloroethane	12.536	117	5285	4.480	ug/l	97
91) 1,2-Dichlorobenzene	12.335	146	16203	4.968	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.939	75	1982	4.834	ug/l	94
93) 1,2,4-Trichlorobenzene	13.585	180	10507	4.532	ug/l	99
94) Hexachlorobutadiene	13.725	225	4953	5.078	ug/l	95
95) Naphthalene	13.774	128	29158	4.414	ug/l	99
96) 1,2,3-Trichlorobenzene	13.963	180	10725	4.835	ug/l	96

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX061725\
Data File : VX046718.D
Acq On : 17 Jun 2025 11:19
Operator : JC/MD
Sample : VSTDICC005
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 06/18/2025
Supervised By :Mahesh Dadoda 06/18/2025

Quant Time: Jun 18 02:37:34 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X061725W.M
Quant Title : SW846 8260
QLast Update : Wed Jun 18 02:34:13 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

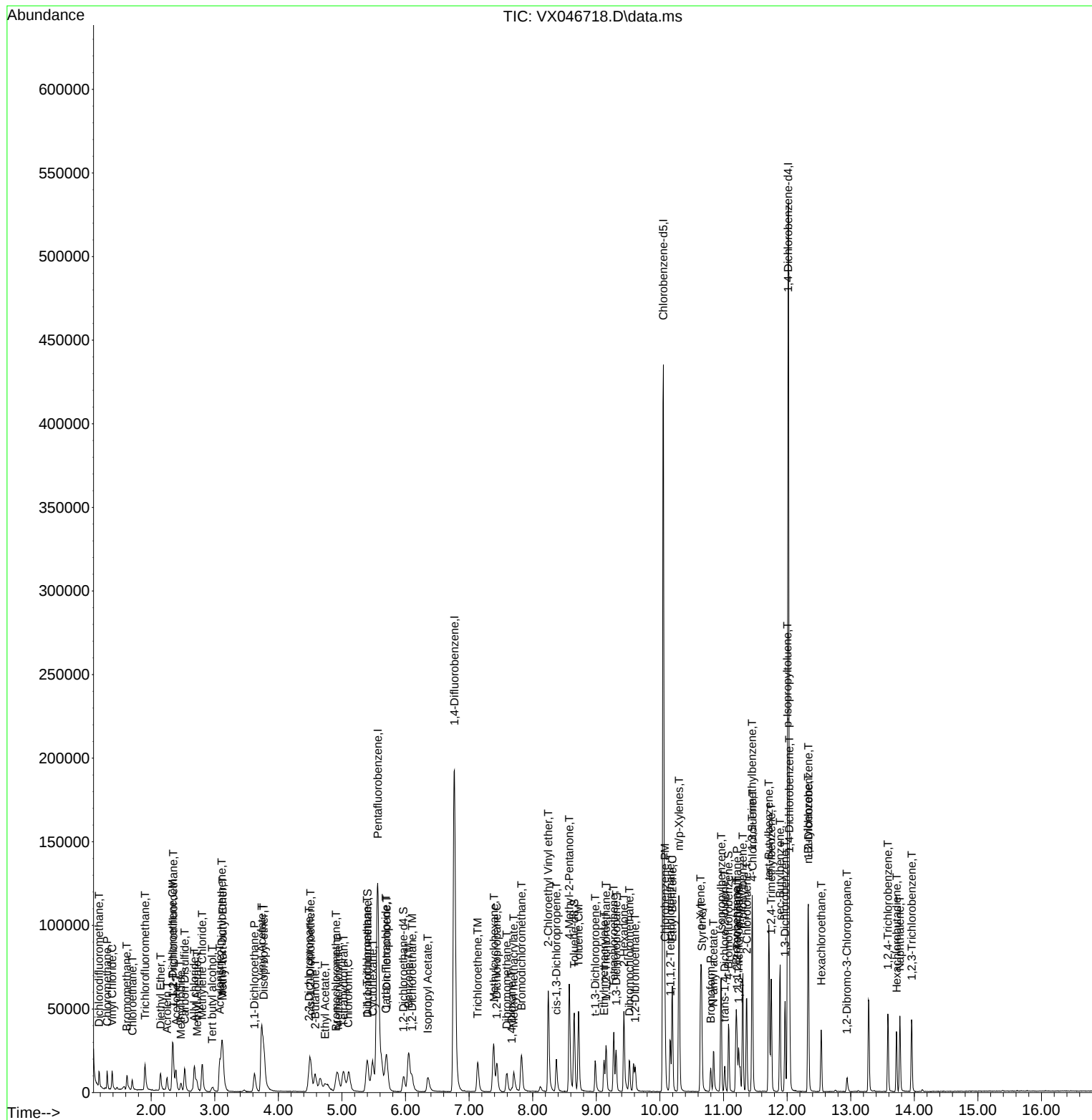
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX061725\
Data File : VX046718.D
Acq On : 17 Jun 2025 11:19
Operator : JC/MD
Sample : VSTDICC005
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 06/18/2025
Supervised By :Mahesh Dadoda 06/18/2025

Quant Time: Jun 18 02:37:34 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X061725W.M
Quant Title : SW846 8260
QLast Update : Wed Jun 18 02:34:13 2025
Response via : Initial Calibration



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX061725\
 Data File : VX046719.D
 Acq On : 17 Jun 2025 13:59
 Operator : JC/MD
 Sample : VSTDICC020
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICC020

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 06/18/2025
 Supervised By :Mahesh Dadoda 06/18/2025

Quant Time: Jun 18 02:38:27 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X061725W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 18 02:34:13 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.556	168	134732	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	226567	50.000	ug/l	-0.01
63) Chlorobenzene-d5	10.049	117	197947	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	98285	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	30582	16.410	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	32.820%#		
35) Dibromofluoromethane	5.385	113	24156	16.114	ug/l	-0.01
Spiked Amount 50.000	Range 75 - 124		Recovery =	32.220%#		
50) Toluene-d8	8.647	98	88197	16.376	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	32.760%#		
62) 4-Bromofluorobenzene	11.079	95	32067	15.973	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	31.940%#		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.185	85	27297	18.977	ug/l	97
3) Chloromethane	1.307	50	30731	19.793	ug/l	98
4) Vinyl Chloride	1.386	62	34049	20.565	ug/l	96
5) Bromomethane	1.618	94	19805	21.261	ug/l	91
6) Chloroethane	1.697	64	20911	20.838	ug/l	97
7) Trichlorofluoromethane	1.904	101	52480	20.875	ug/l	99
8) Diethyl Ether	2.142	74	18139	21.024	ug/l	100
9) 1,1,2-Trichlorotrifluo...	2.343	101	32778	21.253	ug/l	98
10) Methyl Iodide	2.465	142	30525	18.775	ug/l	99
11) Tert butyl alcohol	2.953	59	16360	97.808	ug/l	96
12) 1,1-Dichloroethene	2.331	96	30924	20.780	ug/l	92
13) Acrolein	2.246	56	20036	82.237	ug/l	98
14) Allyl chloride	2.672	41	56147	20.823	ug/l	99
15) Acrylonitrile	3.069	53	77278	102.746	ug/l	99
16) Acetone	2.386	43	59747	96.140	ug/l	97
17) Carbon Disulfide	2.526	76	88625	19.721	ug/l	99
18) Methyl Acetate	2.709	43	31812	20.154	ug/l	99
19) Methyl tert-butyl Ether	3.117	73	97187	20.974	ug/l	95
20) Methylene Chloride	2.800	84	35302	20.426	ug/l	99
21) trans-1,2-Dichloroethene	3.105	96	33796	21.224	ug/l	95
22) Diisopropyl ether	3.764	45	111712	21.555	ug/l	95
23) Vinyl Acetate	3.727	43	433313	105.140	ug/l	100
24) 1,1-Dichloroethane	3.617	63	62164	21.126	ug/l	98
25) 2-Butanone	4.556	43	87671	99.748	ug/l	99
26) 2,2-Dichloropropane	4.483	77	42992	20.032	ug/l	99
27) cis-1,2-Dichloroethene	4.495	96	39374	21.047	ug/l	99
28) Bromochloromethane	4.904	49	24738	18.544	ug/l	100
29) Tetrahydrofuran	5.007	42	56765	99.990	ug/l	98
30) Chloroform	5.093	83	64109	21.785	ug/l	100
31) Cyclohexane	5.477	56	58552	20.982	ug/l	98
32) 1,1,1-Trichloroethane	5.385	97	54542	21.133	ug/l	99
36) 1,1-Dichloropropene	5.696	75	44023	20.344	ug/l	99
37) Ethyl Acetate	4.715	43	39916	19.984	ug/l	99
38) Carbon Tetrachloride	5.684	117	48694	20.735	ug/l	97
39) Methylcyclohexane	7.379	83	58170	20.428	ug/l	97
40) Benzene	6.038	78	133872	20.904	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX061725\
 Data File : VX046719.D
 Acq On : 17 Jun 2025 13:59
 Operator : JC/MD
 Sample : VSTDICC020
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICC020

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 06/18/2025
 Supervised By :Mahesh Dadoda 06/18/2025

Quant Time: Jun 18 02:38:27 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X061725W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 18 02:34:13 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.922	41	21970	20.632	ug/l	97
42) 1,2-Dichloroethane	6.086	62	47430	21.076	ug/l	99
43) Isopropyl Acetate	6.342	43	62432	19.975	ug/l	100
44) Trichloroethene	7.129	130	33927	20.788	ug/l	100
45) 1,2-Dichloropropane	7.428	63	33688	21.226	ug/l	94
46) Dibromomethane	7.580	93	23569	20.663	ug/l	99
47) Bromodichloromethane	7.818	83	49411	21.227	ug/l	98
48) Methyl methacrylate	7.690	41	31856	20.322	ug/l	98
49) 1,4-Dioxane	7.659	88	8340	382.035	ug/l	93
51) 4-Methyl-2-Pentanone	8.568	43	187509	100.586	ug/l	99
52) Toluene	8.714	92	84030	21.166	ug/l	100
53) t-1,3-Dichloropropene	8.976	75	43852	20.304	ug/l	99
54) cis-1,3-Dichloropropene	8.366	75	50326	20.526	ug/l	98
55) 1,1,2-Trichloroethane	9.147	97	30865	20.862	ug/l	94
56) Ethyl methacrylate	9.116	69	44702	20.468	ug/l	99
57) 1,3-Dichloropropane	9.305	76	52181	20.480	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.238	63	106505	93.878	ug/l	99
59) 2-Hexanone	9.427	43	129218	100.265	ug/l	99
60) Dibromochloromethane	9.519	129	36392	20.872	ug/l	99
61) 1,2-Dibromoethane	9.604	107	31507	20.936	ug/l	100
64) Tetrachloroethene	9.269	164	27988	20.408	ug/l	97
65) Chlorobenzene	10.073	112	90868	20.796	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.159	131	31508	21.455	ug/l	100
67) Ethyl Benzene	10.189	91	160761	21.056	ug/l	99
68) m/p-Xylenes	10.299	106	121014	42.539	ug/l	99
69) o-Xylene	10.640	106	57689	21.638	ug/l	100
70) Styrene	10.653	104	99462	21.318	ug/l	99
71) Bromoform	10.799	173	23372	20.898	ug/l #	100
73) Isopropylbenzene	10.957	105	153861	21.255	ug/l	99
74) N-amyl acetate	10.842	43	57185	20.851	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.207	83	42272	20.914	ug/l	100
76) 1,2,3-Trichloropropane	11.238	75	41901m	20.989	ug/l	
77) Bromobenzene	11.195	156	37464	21.507	ug/l	99
78) n-propylbenzene	11.299	91	184078	21.410	ug/l	100
79) 2-Chlorotoluene	11.360	91	107552	20.952	ug/l	99
80) 1,3,5-Trimethylbenzene	11.451	105	129635	21.793	ug/l	99
81) trans-1,4-Dichloro-2-b...	11.018	75	11694	18.362	ug/l	98
82) 4-Chlorotoluene	11.451	91	127954	21.358	ug/l	100
83) tert-Butylbenzene	11.713	119	130359	21.201	ug/l	99
84) 1,2,4-Trimethylbenzene	11.750	105	128566	21.512	ug/l	99
85) sec-Butylbenzene	11.890	105	165047	21.239	ug/l	99
86) p-Isopropyltoluene	12.006	119	138623	21.142	ug/l	100
87) 1,3-Dichlorobenzene	11.969	146	70243	20.681	ug/l	99
88) 1,4-Dichlorobenzene	12.036	146	71953	20.625	ug/l	99
89) n-Butylbenzene	12.329	91	129101	20.738	ug/l	100
90) Hexachloroethane	12.536	117	23645	20.594	ug/l	97
91) 1,2-Dichlorobenzene	12.329	146	66883	21.073	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.939	75	8071	20.226	ug/l	98
93) 1,2,4-Trichlorobenzene	13.585	180	44726	19.821	ug/l	97
94) Hexachlorobutadiene	13.725	225	19698	20.752	ug/l	99
95) Naphthalene	13.774	128	129768	20.186	ug/l	100
96) 1,2,3-Trichlorobenzene	13.957	180	44380	20.558	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX061725\
Data File : VX046719.D
Acq On : 17 Jun 2025 13:59
Operator : JC/MD
Sample : VSTDICC020
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 06/18/2025
Supervised By :Mahesh Dadoda 06/18/2025

Quant Time: Jun 18 02:38:27 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X061725W.M
Quant Title : SW846 8260
QLast Update : Wed Jun 18 02:34:13 2025
Response via : Initial Calibration

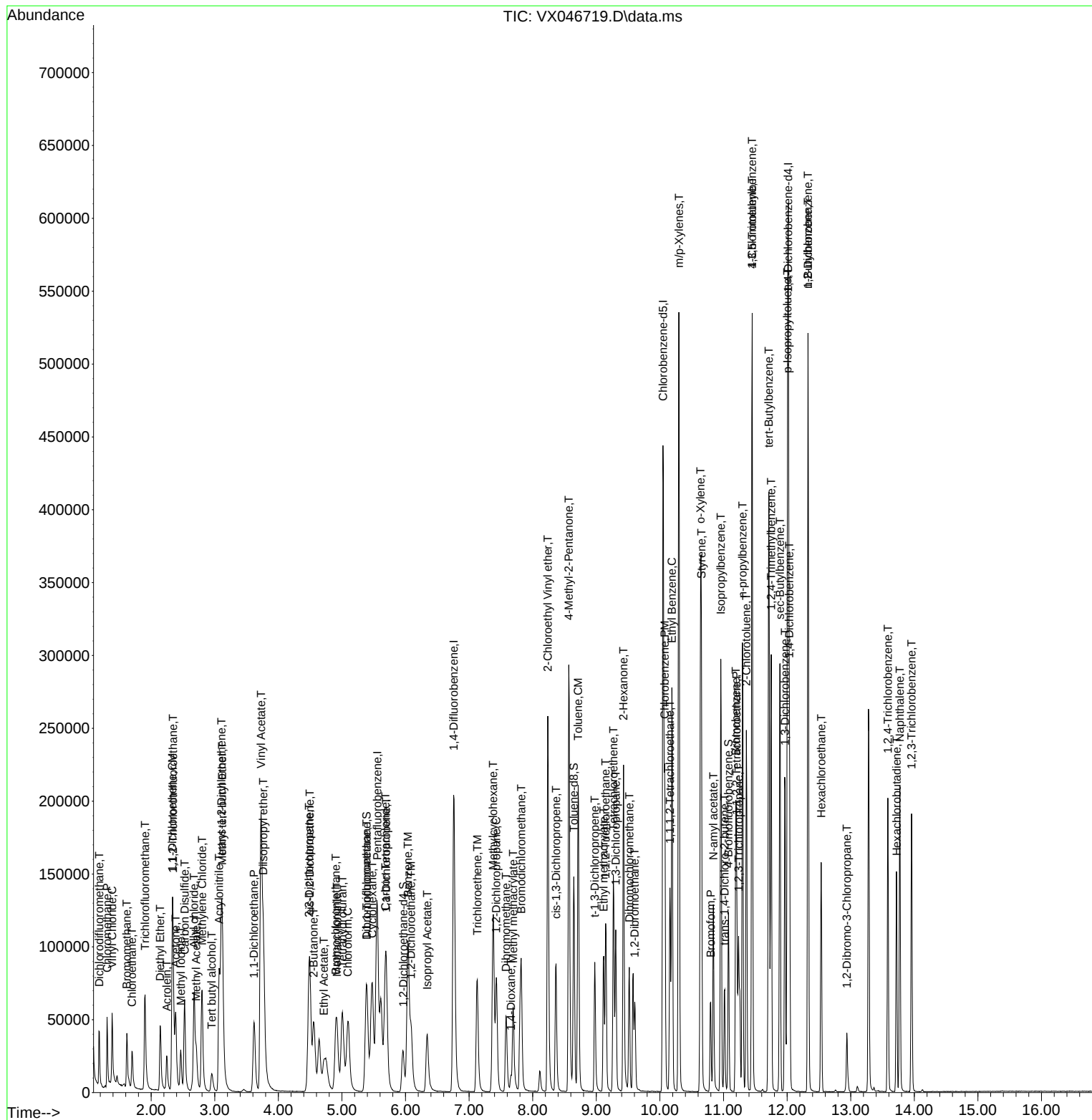
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations

Reviewed By :Semsettin Yesilyurt 06/18/2025
Supervised By :Mahesh Dadoda 06/18/2025



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX061725\
 Data File : VX046720.D
 Acq On : 17 Jun 2025 14:20
 Operator : JC/MD
 Sample : VSTDICCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICCC050

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 06/18/2025
 Supervised By :Mahesh Dadoda 06/18/2025

Quant Time: Jun 18 02:39:23 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X061725W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 18 02:34:13 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.562	168	123412	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	204400	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	179407	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	89016	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	80133	46.944	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	93.880%		
35) Dibromofluoromethane	5.397	113	65447	48.394	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	96.780%		
50) Toluene-d8	8.647	98	233825	48.124	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	96.240%		
62) 4-Bromofluorobenzene	11.079	95	87131	48.107	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	96.220%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.185	85	71910	54.577	ug/l	100
3) Chloromethane	1.307	50	73175	51.454	ug/l	100
4) Vinyl Chloride	1.386	62	78242	51.592	ug/l	100
5) Bromomethane	1.624	94	45535	53.367	ug/l	100
6) Chloroethane	1.703	64	46570	50.665	ug/l	100
7) Trichlorofluoromethane	1.904	101	119335	51.823	ug/l	100
8) Diethyl Ether	2.148	74	39712	50.251	ug/l	100
9) 1,1,2-Trichlorotrifluo...	2.343	101	71037	50.285	ug/l	100
10) Methyl Iodide	2.471	142	80710	46.019	ug/l	100
11) Tert butyl alcohol	2.959	59	38256	249.692	ug/l	100
12) 1,1-Dichloroethene	2.337	96	70202	51.500	ug/l	100
13) Acrolein	2.246	56	53791	241.036	ug/l	100
14) Allyl chloride	2.678	41	123265	49.909	ug/l	100
15) Acrylonitrile	3.075	53	175846	255.243	ug/l	100
16) Acetone	2.386	43	135683	238.356	ug/l	100
17) Carbon Disulfide	2.526	76	197344	47.941	ug/l	100
18) Methyl Acetate	2.715	43	71685	49.582	ug/l	100
19) Methyl tert-butyl Ether	3.123	73	216266	50.953	ug/l	100
20) Methylene Chloride	2.800	84	75315	47.576	ug/l	100
21) trans-1,2-Dichloroethene	3.105	96	72648	49.807	ug/l	100
22) Diisopropyl ether	3.770	45	242789	51.143	ug/l	100
23) Vinyl Acetate	3.733	43	985040	260.935	ug/l	100
24) 1,1-Dichloroethane	3.623	63	134324	49.835	ug/l	100
25) 2-Butanone	4.562	43	208346	258.788	ug/l	100
26) 2,2-Dichloropropane	4.489	77	93956	47.794	ug/l	100
27) cis-1,2-Dichloroethene	4.501	96	84638	49.392	ug/l	100
28) Bromochloromethane	4.910	49	59857	48.984	ug/l	100
29) Tetrahydrofuran	5.013	42	133555	256.831	ug/l	100
30) Chloroform	5.105	83	137459	50.996	ug/l	100
31) Cyclohexane	5.483	56	125014	48.909	ug/l	100
32) 1,1,1-Trichloroethane	5.397	97	117954	49.895	ug/l	100
36) 1,1-Dichloropropene	5.702	75	97413	49.899	ug/l	100
37) Ethyl Acetate	4.721	43	88076	48.877	ug/l	100
38) Carbon Tetrachloride	5.690	117	105202	49.656	ug/l	100
39) Methylcyclohexane	7.385	83	128553	50.041	ug/l	100
40) Benzene	6.044	78	289724	50.146	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX061725\
 Data File : VX046720.D
 Acq On : 17 Jun 2025 14:20
 Operator : JC/MD
 Sample : VSTDICCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICCC050

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 06/18/2025
 Supervised By :Mahesh Dadoda 06/18/2025

Quant Time: Jun 18 02:39:23 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X061725W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 18 02:34:13 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.928	41	48765	50.762	ug/l	100
42) 1,2-Dichloroethane	6.092	62	101218	49.855	ug/l	100
43) Isopropyl Acetate	6.342	43	146377	51.911	ug/l	100
44) Trichloroethene	7.129	130	72796	49.441	ug/l	100
45) 1,2-Dichloropropane	7.434	63	70702	49.378	ug/l	100
46) Dibromomethane	7.586	93	51288	49.840	ug/l	100
47) Bromodichloromethane	7.824	83	106651	50.787	ug/l	100
48) Methyl methacrylate	7.696	41	75708	53.535	ug/l	100
49) 1,4-Dioxane	7.659	88	19802	962.534	ug/l	100
51) 4-Methyl-2-Pentanone	8.574	43	435000	258.656	ug/l	100
52) Toluene	8.720	92	181414	50.650	ug/l	100
53) t-1,3-Dichloropropene	8.976	75	99727	51.183	ug/l	100
54) cis-1,3-Dichloropropene	8.366	75	111917	50.598	ug/l	100
55) 1,1,2-Trichloroethane	9.153	97	66688	49.963	ug/l	100
56) Ethyl methacrylate	9.116	69	103697	52.629	ug/l	100
57) 1,3-Dichloropropane	9.305	76	114824	49.955	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.245	63	287531	280.927	ug/l	100
59) 2-Hexanone	9.427	43	303322	260.883	ug/l	100
60) Dibromochloromethane	9.519	129	79227	50.368	ug/l	100
61) 1,2-Dibromoethane	9.610	107	68515	50.464	ug/l	100
64) Tetrachloroethene	9.275	164	61048	49.115	ug/l	100
65) Chlorobenzene	10.080	112	195752	49.429	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.159	131	67004	50.341	ug/l	100
67) Ethyl Benzene	10.189	91	346812	50.119	ug/l	100
68) m/p-Xylenes	10.299	106	259899	100.800	ug/l	100
69) o-Xylene	10.640	106	124120	51.366	ug/l	100
70) Styrene	10.653	104	216738	51.254	ug/l	100
71) Bromoform	10.799	173	51485	50.792	ug/l #	100
73) Isopropylbenzene	10.957	105	331391	50.548	ug/l	100
74) N-amyl acetate	10.842	43	130606	52.581	ug/l	100
75) 1,1,2,2-Tetrachloroethane	11.207	83	92893	50.745	ug/l	100
76) 1,2,3-Trichloropropane	11.238	75	88091m	48.721	ug/l	
77) Bromobenzene	11.195	156	79404	50.331	ug/l	100
78) n-propylbenzene	11.299	91	394375	50.646	ug/l	100
79) 2-Chlorotoluene	11.360	91	230178	49.509	ug/l	100
80) 1,3,5-Trimethylbenzene	11.451	105	273477	50.761	ug/l	100
81) trans-1,4-Dichloro-2-b...	11.018	75	27677	47.984	ug/l	100
82) 4-Chlorotoluene	11.451	91	269198	49.613	ug/l	100
83) tert-Butylbenzene	11.713	119	277915	49.905	ug/l	100
84) 1,2,4-Trimethylbenzene	11.750	105	272510	50.345	ug/l	100
85) sec-Butylbenzene	11.890	105	355947	50.574	ug/l	100
86) p-Isopropyltoluene	12.006	119	297314	50.067	ug/l	100
87) 1,3-Dichlorobenzene	11.969	146	149402	48.568	ug/l	100
88) 1,4-Dichlorobenzene	12.037	146	147146	46.571	ug/l	100
89) n-Butylbenzene	12.329	91	280794	49.801	ug/l	100
90) Hexachloroethane	12.536	117	51961	49.968	ug/l	100
91) 1,2-Dichlorobenzene	12.329	146	141743	49.309	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	12.939	75	18747	51.873	ug/l	100
93) 1,2,4-Trichlorobenzene	13.585	180	100346	49.101	ug/l	100
94) Hexachlorobutadiene	13.719	225	42659	49.621	ug/l	100
95) Naphthalene	13.774	128	296912	50.994	ug/l	100
96) 1,2,3-Trichlorobenzene	13.957	180	96318	49.263	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX061725\
Data File : VX046720.D
Acq On : 17 Jun 2025 14:20
Operator : JC/MD
Sample : VSTDICCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 06/18/2025
Supervised By :Mahesh Dadoda 06/18/2025

Quant Time: Jun 18 02:39:23 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X061725W.M
Quant Title : SW846 8260
QLast Update : Wed Jun 18 02:34:13 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

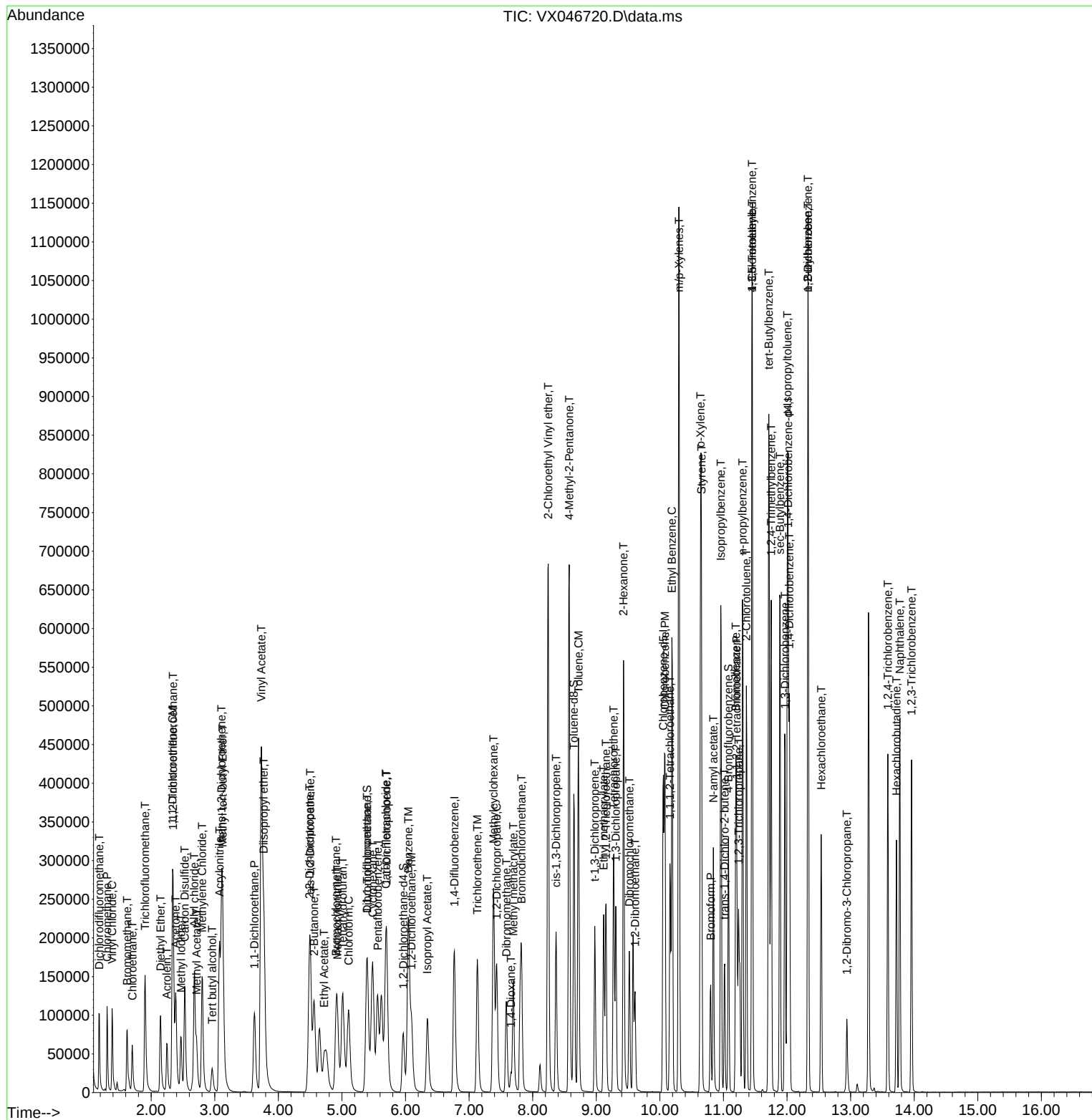
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Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX061725\
Data File : VX046720.D
Acq On    : 17 Jun 2025  14:20
Operator  : JC/MD
Sample    : VSTDICCC050
Misc      : 5.0mL/MSVOA_X/WATER
ALS Vial  : 6   Sample Multiplier: 1
```

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 06/18/2025
Supervised By :Mahesh Dadoda 06/18/2025

Quant Time: Jun 18 02:39:23 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X061725W.M
Quant Title : SW846 8260
QLast Update : Wed Jun 18 02:34:13 2025
Response via : Initial Calibration



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX061725\
 Data File : VX046721.D
 Acq On : 17 Jun 2025 14:41
 Operator : JC/MD
 Sample : VSTDICC100
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICC100

Manual Integrations
 APPROVED

Reviewed By : Semsettin Yesilyurt 06/18/2025
 Supervised By : Mahesh Dadoda 06/18/2025

Quant Time: Jun 18 02:40:16 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X061725W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 18 02:34:13 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.556	168	110482	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	183300	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	160869	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	78522	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	160514	105.037	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 210.080%#			
35) Dibromofluoromethane	5.391	113	129932	107.136	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 214.280%#			
50) Toluene-d8	8.647	98	458174	105.153	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 210.300%#			
62) 4-Bromofluorobenzene	11.079	95	170795	105.156	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 210.320%#			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.179	85	138589	117.494	ug/l	99
3) Chloromethane	1.307	50	141568	111.195	ug/l	99
4) Vinyl Chloride	1.386	62	151879	111.868	ug/l	97
5) Bromomethane	1.611	94	75361	98.660	ug/l	94
6) Chloroethane	1.697	64	89532	108.805	ug/l	96
7) Trichlorofluoromethane	1.898	101	227688	110.449	ug/l	98
8) Diethyl Ether	2.148	74	77791	109.956	ug/l	96
9) 1,1,2-Trichlorotrifluo...	2.343	101	137759	108.929	ug/l	99
10) Methyl Iodide	2.465	142	174182	104.824	ug/l	99
11) Tert butyl alcohol	2.965	59	78366	571.345	ug/l	99
12) 1,1-Dichloroethene	2.331	96	134660	110.347	ug/l	98
13) Acrolein	2.246	56	108796	544.566	ug/l	99
14) Allyl chloride	2.678	41	243477	110.119	ug/l	100
15) Acrylonitrile	3.075	53	344981	559.348	ug/l	100
16) Acetone	2.386	43	263024	516.133	ug/l	99
17) Carbon Disulfide	2.526	76	383348	104.026	ug/l	98
18) Methyl Acetate	2.709	43	143551	110.909	ug/l	100
19) Methyl tert-butyl Ether	3.123	73	419445	110.387	ug/l	98
20) Methylene Chloride	2.800	84	147144	103.828	ug/l	98
21) trans-1,2-Dichloroethene	3.105	96	140792	107.824	ug/l	97
22) Diisopropyl ether	3.770	45	466831	109.846	ug/l	98
23) Vinyl Acetate	3.733	43	1930136	571.126	ug/l	99
24) 1,1-Dichloroethane	3.623	63	258546	107.149	ug/l	98
25) 2-Butanone	4.562	43	409960	568.810	ug/l	99
26) 2,2-Dichloropropane	4.489	77	194006	110.239	ug/l	99
27) cis-1,2-Dichloroethene	4.501	96	163672	106.691	ug/l	99
28) Bromochloromethane	4.910	49	114720	104.869	ug/l	99
29) Tetrahydrofuran	5.013	42	265233	569.746	ug/l	100
30) Chloroform	5.105	83	260888	108.113	ug/l	96
31) Cyclohexane	5.477	56	237424	103.757	ug/l	96
32) 1,1,1-Trichloroethane	5.391	97	231101	109.198	ug/l	99
36) 1,1-Dichloropropene	5.702	75	183355	104.733	ug/l	98
37) Ethyl Acetate	4.721	43	171444	106.094	ug/l	97
38) Carbon Tetrachloride	5.690	117	200914	105.749	ug/l	98
39) Methylcyclohexane	7.385	83	246277	106.902	ug/l	99
40) Benzene	6.044	78	553336	106.798	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX061725\
 Data File : VX046721.D
 Acq On : 17 Jun 2025 14:41
 Operator : JC/MD
 Sample : VSTDICC100
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICC100

Manual Integrations
 APPROVED

Reviewed By : Semsettin Yesilyurt 06/18/2025
 Supervised By : Mahesh Dadoda 06/18/2025

Quant Time: Jun 18 02:40:16 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X061725W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 18 02:34:13 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.928	41	97782	113.502	ug/l	97
42) 1,2-Dichloroethane	6.092	62	193498	106.278	ug/l	99
43) Isopropyl Acetate	6.342	43	291467	115.264	ug/l	100
44) Trichloroethene	7.129	130	142659	108.043	ug/l	96
45) 1,2-Dichloropropane	7.434	63	137291	106.920	ug/l	96
46) Dibromomethane	7.586	93	98964	107.240	ug/l	99
47) Bromodichloromethane	7.824	83	205870	109.319	ug/l	100
48) Methyl methacrylate	7.696	41	150002	118.279	ug/l	99
49) 1,4-Dioxane	7.659	88	38203	2040.447	ug/l	95
51) 4-Methyl-2-Pentanone	8.574	43	843944	559.584	ug/l	100
52) Toluene	8.720	92	339735	105.772	ug/l	99
53) t-1,3-Dichloropropene	8.976	75	203470	116.448	ug/l	99
54) cis-1,3-Dichloropropene	8.366	75	221241	111.537	ug/l	98
55) 1,1,2-Trichloroethane	9.153	97	127195	106.264	ug/l	99
56) Ethyl methacrylate	9.116	69	205153	116.106	ug/l	100
57) 1,3-Dichloropropane	9.305	76	220021	106.740	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.244	63	541734	590.219	ug/l	100
59) 2-Hexanone	9.427	43	587221	563.200	ug/l	100
60) Dibromochloromethane	9.519	129	153731	108.983	ug/l	99
61) 1,2-Dibromoethane	9.610	107	133253	109.444	ug/l	99
64) Tetrachloroethene	9.275	164	115774	103.876	ug/l	98
65) Chlorobenzene	10.079	112	374913	105.577	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.159	131	131134	109.876	ug/l	99
67) Ethyl Benzene	10.189	91	663369	106.914	ug/l	100
68) m/p-Xylenes	10.299	106	492448	213.003	ug/l	100
69) o-Xylene	10.640	106	237631	109.675	ug/l	99
70) Styrene	10.653	104	407566	107.488	ug/l	99
71) Bromoform	10.799	173	101329	111.485	ug/l #	99
73) Isopropylbenzene	10.957	105	628803	108.731	ug/l	100
74) N-amyl acetate	10.842	43	260620	118.945	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.207	83	176523	109.317	ug/l	100
76) 1,2,3-Trichloropropane	11.238	75	147349m	92.387	ug/l	
77) Bromobenzene	11.195	156	150110	107.864	ug/l	99
78) n-propylbenzene	11.299	91	743979	108.310	ug/l	100
79) 2-Chlorotoluene	11.360	91	434989	106.065	ug/l	100
80) 1,3,5-Trimethylbenzene	11.451	105	517286	108.848	ug/l	100
81) trans-1,4-Dichloro-2-b...	11.018	75	57608	113.225	ug/l	96
82) 4-Chlorotoluene	11.451	91	506852	105.896	ug/l	99
83) tert-Butylbenzene	11.713	119	533235	108.548	ug/l	100
84) 1,2,4-Trimethylbenzene	11.750	105	518524	108.598	ug/l	100
85) sec-Butylbenzene	11.890	105	670896	108.062	ug/l	99
86) p-Isopropyltoluene	12.006	119	561258	107.145	ug/l	100
87) 1,3-Dichlorobenzene	11.969	146	280540	103.388	ug/l	99
88) 1,4-Dichlorobenzene	12.036	146	280884	100.779	ug/l	99
89) n-Butylbenzene	12.329	91	536268	107.822	ug/l	100
90) Hexachloroethane	12.536	117	101647	110.811	ug/l	96
91) 1,2-Dichlorobenzene	12.335	146	267432	105.466	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.939	75	36858	115.616	ug/l	95
93) 1,2,4-Trichlorobenzene	13.585	180	196715	109.119	ug/l	99
94) Hexachlorobutadiene	13.725	225	80407	106.029	ug/l	98
95) Naphthalene	13.774	128	587914	114.468	ug/l	100
96) 1,2,3-Trichlorobenzene	13.957	180	189473	109.861	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX061725\
Data File : VX046721.D
Acq On : 17 Jun 2025 14:41
Operator : JC/MD
Sample : VSTDICC100
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 06/18/2025
Supervised By :Mahesh Dadoda 06/18/2025

Quant Time: Jun 18 02:40:16 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X061725W.M
Quant Title : SW846 8260
QLast Update : Wed Jun 18 02:34:13 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

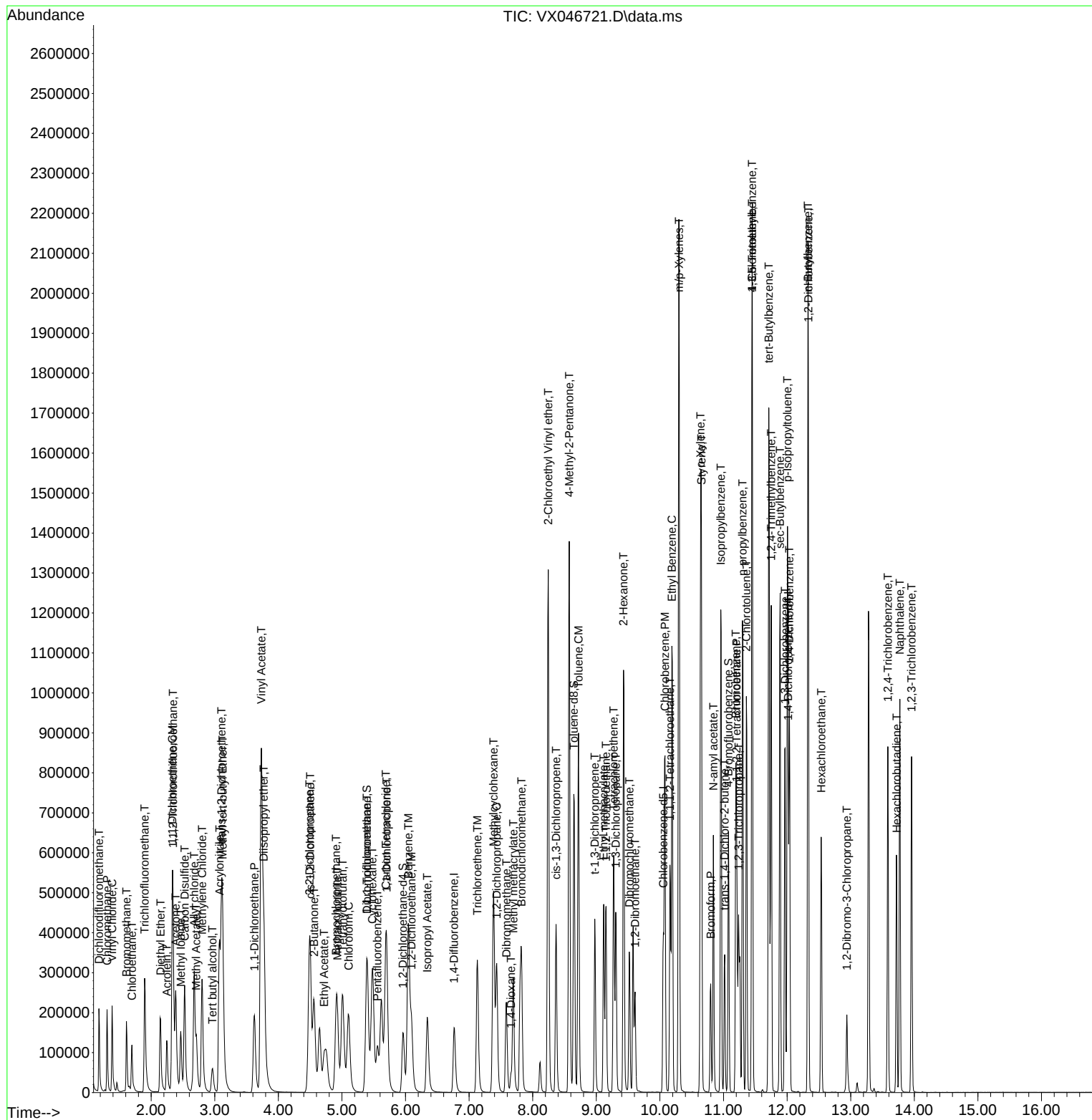
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 Data File : VX046721.D
 Acq On : 17 Jun 2025 14:41
 Operator : JC/MD
 Sample : VSTDIC100
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC100

Manual Integrations APPROVED

Reviewed By : Semsettin Yesilyurt 06/18/2025
 Supervised By : Mahesh Dadoda 06/18/2025

Quant Time: Jun 18 02:40:16 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X061725W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 18 02:34:13 2025
 Response via : Initial Calibration



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX061725\
 Data File : VX046722.D
 Acq On : 17 Jun 2025 15:02
 Operator : JC/MD
 Sample : VSTDICC150
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICC150

Quant Time: Jun 18 02:41:13 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X061725W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 18 02:34:13 2025
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 06/18/2025
 Supervised By :Mahesh Dadoda 06/18/2025

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

Internal Standards						
1) Pentafluorobenzene	5.562	168	107848	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	178346	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	156970	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	75829	50.000	ug/l	# 0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.964	65	230915	154.797	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 309.600%#	
35) Dibromofluoromethane	5.397	113	187536	158.930	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 317.860%#	
50) Toluene-d8	8.653	98	660221	155.733	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 311.460%#	
62) 4-Bromofluorobenzene	11.079	95	244007	154.404	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	= 308.800%#	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.179	85	193321	167.898	ug/l	99
3) Chloromethane	1.307	50	202755	163.144	ug/l	97
4) Vinyl Chloride	1.386	62	208285	157.161	ug/l	96
5) Bromomethane	1.612	94	90708	121.652	ug/l	97
6) Chloroethane	1.691	64	123323	153.530	ug/l	96
7) Trichlorofluoromethane	1.898	101	314552	156.313	ug/l	98
8) Diethyl Ether	2.142	74	108801	157.544	ug/l	97
9) 1,1,2-Trichlorotrifluo...	2.343	101	192071	155.583	ug/l	99
10) Methyl Iodide	2.465	142	243423	148.201	ug/l	99
11) Tert butyl alcohol	2.971	59	111150	830.155	ug/l	99
12) 1,1-Dichloroethene	2.331	96	188770	158.466	ug/l	97
13) Acrolein	2.246	56	156844	804.238	ug/l	99
14) Allyl chloride	2.678	41	340117	157.583	ug/l	99
15) Acrylonitrile	3.075	53	477449	793.036	ug/l	99
16) Acetone	2.386	43	378554	760.980	ug/l	99
17) Carbon Disulfide	2.526	76	535657	148.907	ug/l	99
18) Methyl Acetate	2.715	43	209349	165.695	ug/l	99
19) Methyl tert-butyl Ether	3.123	73	585091	157.742	ug/l	99
20) Methylene Chloride	2.800	84	201983	146.004	ug/l	99
21) trans-1,2-Dichloroethene	3.105	96	192490	151.016	ug/l	99
22) Diisopropyl ether	3.770	45	638477	153.904	ug/l	99
23) Vinyl Acetate	3.733	43	2691267	815.794	ug/l	99
24) 1,1-Dichloroethane	3.623	63	360395	153.006	ug/l	98
25) 2-Butanone	4.562	43	570672	811.132	ug/l	99
26) 2,2-Dichloropropane	4.483	77	286713	166.896	ug/l	99
27) cis-1,2-Dichloroethene	4.495	96	227788	152.112	ug/l	99
28) Bromochloromethane	4.910	49	161801	151.520	ug/l	100
29) Tetrahydrofuran	5.013	42	370760	815.879	ug/l	100
30) Chloroform	5.105	83	358782	152.312	ug/l	99
31) Cyclohexane	5.483	56	330235	147.842	ug/l	98
32) 1,1,1-Trichloroethane	5.397	97	320382	155.082	ug/l	99
36) 1,1-Dichloropropene	5.702	75	256619	150.653	ug/l	99
37) Ethyl Acetate	4.721	43	245724	156.284	ug/l	99
38) Carbon Tetrachloride	5.684	117	284066	153.668	ug/l	99
39) Methylcyclohexane	7.385	83	346118	154.413	ug/l	100
40) Benzene	6.044	78	763341	151.423	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX061725\
 Data File : VX046722.D
 Acq On : 17 Jun 2025 15:02
 Operator : JC/MD
 Sample : VSTDICC150
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC150

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 06/18/2025
 Supervised By :Mahesh Dadoda 06/18/2025

Quant Time: Jun 18 02:41:13 2025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X061725W.M

Quant Title : SW846 8260

QLast Update : Wed Jun 18 02:34:13 2025

Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.928	41	142283	169.745	ug/l	94
42) 1,2-Dichloroethane	6.092	62	265740	150.011	ug/l	99
43) Isopropyl Acetate	6.342	43	412067	167.483	ug/l	99
44) Trichloroethene	7.129	130	195943	152.520	ug/l	99
45) 1,2-Dichloropropane	7.434	63	191181	153.025	ug/l	95
46) Dibromomethane	7.580	93	138541	154.297	ug/l	99
47) Bromodichloromethane	7.824	83	288826	157.630	ug/l	100
48) Methyl methacrylate	7.696	41	211908	171.734	ug/l	99
49) 1,4-Dioxane	7.659	88	54646	2987.386	ug/l	96
51) 4-Methyl-2-Pentanone	8.574	43	1173666	799.825	ug/l	100
52) Toluene	8.720	92	471273	150.800	ug/l	99
53) t-1,3-Dichloropropene	8.976	75	288893	169.929	ug/l	99
54) cis-1,3-Dichloropropene	8.366	75	314965	163.198	ug/l	98
55) 1,1,2-Trichloroethane	9.153	97	175973	151.099	ug/l	99
56) Ethyl methacrylate	9.116	69	288720	167.940	ug/l	99
57) 1,3-Dichloropropane	9.305	76	301418	150.290	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.244	63	754730	845.118	ug/l	100
59) 2-Hexanone	9.433	43	816655	805.005	ug/l	99
60) Dibromochloromethane	9.519	129	215347	156.904	ug/l	99
61) 1,2-Dibromoethane	9.610	107	185268	156.392	ug/l	99
64) Tetrachloroethene	9.275	164	159752	146.895	ug/l	98
65) Chlorobenzene	10.080	112	517859	149.453	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.165	131	181981	156.268	ug/l	99
67) Ethyl Benzene	10.195	91	915724	151.251	ug/l	98
68) m/p-Xylenes	10.299	106	676085	299.697	ug/l	99
69) o-Xylene	10.640	106	328782	155.514	ug/l	98
70) Styrene	10.653	104	566606	153.143	ug/l	100
71) Bromoform	10.799	173	143229	161.498	ug/l	100
73) Isopropylbenzene	10.964	105	867728	155.374	ug/l	100
74) N-amyl acetate	10.842	43	369757	174.748	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.207	83	244406	156.730	ug/l	99
76) 1,2,3-Trichloropropane	11.238	75	202926m	131.753	ug/l	
77) Bromobenzene	11.195	156	207348	154.285	ug/l	98
78) n-propylbenzene	11.305	91	1025742	154.633	ug/l	100
79) 2-Chlorotoluene	11.366	91	595555	150.373	ug/l	100
80) 1,3,5-Trimethylbenzene	11.451	105	707005	154.053	ug/l	99
81) trans-1,4-Dichloro-2-b...	11.018	75	86677	176.408	ug/l	93
82) 4-Chlorotoluene	11.451	91	697556	150.915	ug/l	99
83) tert-Butylbenzene	11.713	119	735750	155.093	ug/l	100
84) 1,2,4-Trimethylbenzene	11.750	105	719283	155.994	ug/l	100
85) sec-Butylbenzene	11.890	105	916769	152.910	ug/l	99
86) p-Isopropyltoluene	12.006	119	771998	152.610	ug/l	100
87) 1,3-Dichlorobenzene	11.969	146	391049	149.232	ug/l	100
88) 1,4-Dichlorobenzene	12.036	146	387139	143.836	ug/l	99
89) n-Butylbenzene	12.329	91	726563	151.271	ug/l	100
90) Hexachloroethane	12.536	117	142663	161.049	ug/l	98
91) 1,2-Dichlorobenzene	12.329	146	370234	151.192	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	12.939	75	54014	175.448	ug/l	97
93) 1,2,4-Trichlorobenzene	13.585	180	263803	151.531	ug/l	97
94) Hexachlorobutadiene	13.725	225	95520	130.431	ug/l	100
95) Naphthalene	13.774	128	846206	170.609	ug/l	100
96) 1,2,3-Trichlorobenzene	13.957	180	262348	157.517	ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX061725\
Data File : VX046722.D
Acq On : 17 Jun 2025 15:02
Operator : JC/MD
Sample : VSTDICC150
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 06/18/2025
Supervised By :Mahesh Dadoda 06/18/2025

Quant Time: Jun 18 02:41:13 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X061725W.M
Quant Title : SW846 8260
QLast Update : Wed Jun 18 02:34:13 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

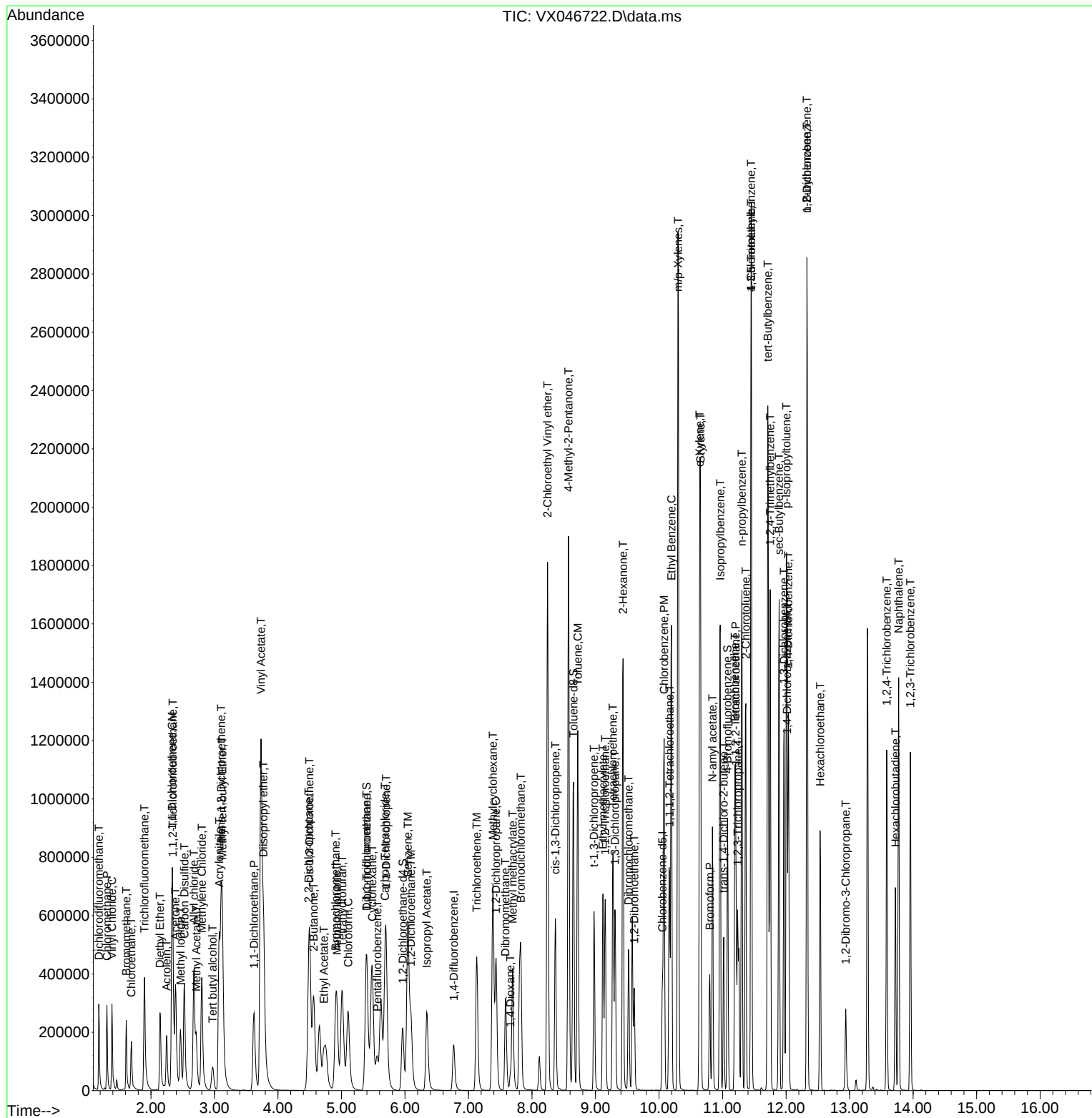
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX061725\
 Data File : VX046722.D
 Acq On : 17 Jun 2025 15:02
 Operator : JC/MD
 Sample : VSTDICC150
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICC150

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 06/18/2025
 Supervised By :Mahesh Dadoda 06/18/2025

Quant Time: Jun 18 02:41:13 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X061725W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 18 02:34:13 2025
 Response via : Initial Calibration



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX061725\
 Data File : VX046725.D
 Acq On : 17 Jun 2025 17:18
 Operator : JC/MD
 Sample : VSTDICC001
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICC001

Quant Time: Jun 18 02:42:58 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X061725W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 18 02:34:13 2025
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 06/18/2025
 Supervised By :Mahesh Dadoda 06/18/2025

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

Internal Standards						
1) Pentafluorobenzene	5.556	168	136219	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	226094	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	205370	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	103593	50.000	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	0.000	65	0d	0.000	ug/l	
Spiked Amount	50.000	Range	74 - 125	Recovery	=	0.000%#
35) Dibromofluoromethane	0.000	113	0d	0.000	ug/l	
Spiked Amount	50.000	Range	75 - 124	Recovery	=	0.000%#
50) Toluene-d8	0.000	98	0d	0.000	ug/l	
Spiked Amount	50.000	Range	86 - 113	Recovery	=	0.000%#
62) 4-Bromofluorobenzene	0.000	95	0d	0.000	ug/l	
Spiked Amount	50.000	Range	77 - 121	Recovery	=	0.000%#

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.179	85	1159	0.797	ug/l	83
3) Chloromethane	1.307	50	1322	0.842	ug/l	93
4) Vinyl Chloride	1.386	62	1419	0.848	ug/l	89
6) Chloroethane	1.703	64	905	0.892	ug/l	90
7) Trichlorofluoromethane	1.904	101	2062	0.811	ug/l	97
8) Diethyl Ether	2.148	74	722	0.828	ug/l	87
9) 1,1,2-Trichlorotrifluo...	2.343	101	1280	0.821	ug/l	99
12) 1,1-Dichloroethene	2.337	96	1228	0.816	ug/l #	76
14) Allyl chloride	2.672	41	2386	0.875	ug/l	96
15) Acrylonitrile	3.081	53	3075	4.044	ug/l	96
16) Acetone	2.386	43	3424	5.449	ug/l #	80
17) Carbon Disulfide	2.526	76	5092	1.121	ug/l	96
18) Methyl Acetate	2.721	43	1280	0.802	ug/l #	87
19) Methyl tert-butyl Ether	3.129	73	3888	0.830	ug/l #	89
20) Methylene Chloride	2.800	84	1736	0.994	ug/l	91
21) trans-1,2-Dichloroethene	3.111	96	1441	0.895	ug/l #	81
22) Diisopropyl ether	3.770	45	4170	0.796	ug/l #	71
23) Vinyl Acetate	3.745	43	15507	3.722	ug/l	95
24) 1,1-Dichloroethane	3.617	63	2648	0.890	ug/l #	79
25) 2-Butanone	4.593	43	3422	3.851	ug/l	93
26) 2,2-Dichloropropane	4.489	77	1874m	0.864	ug/l	
27) cis-1,2-Dichloroethene	4.507	96	1698	0.898	ug/l	97
28) Bromochloromethane	4.922	49	1307	0.969	ug/l #	91
29) Tetrahydrofuran	5.032	42	2212	3.854	ug/l #	54
30) Chloroform	5.105	83	2336m	0.785	ug/l	
32) 1,1,1-Trichloroethane	5.391	97	2212	0.848	ug/l #	50
36) 1,1-Dichloropropene	5.708	75	2016	0.934	ug/l	90
37) Ethyl Acetate	4.739	43	2002m	1.004	ug/l	
38) Carbon Tetrachloride	5.684	117	2124	0.906	ug/l	92
39) Methylcyclohexane	7.379	83	2485	0.875	ug/l	87
40) Benzene	6.044	78	5507	0.862	ug/l	97
41) Methacrylonitrile	4.965	41	857m	0.806	ug/l	
42) 1,2-Dichloroethane	6.098	62	1938	0.863	ug/l #	75
43) Isopropyl Acetate	6.367	43	2218	0.711	ug/l #	83
44) Trichloroethene	7.135	130	1448	0.889	ug/l	87
45) 1,2-Dichloropropane	7.434	63	1380	0.871	ug/l #	89

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX061725\
 Data File : VX046725.D
 Acq On : 17 Jun 2025 17:18
 Operator : JC/MD
 Sample : VSTDICC001
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICC001

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 06/18/2025
 Supervised By :Mahesh Dadoda 06/18/2025

Quant Time: Jun 18 02:42:58 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X061725W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 18 02:34:13 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) Dibromomethane	7.592	93	1030	0.905	ug/l	89
47) Bromodichloromethane	7.824	83	1825	0.786	ug/l #	82
48) Methyl methacrylate	7.720	41	1050	0.671	ug/l #	80
49) 1,4-Dioxane	7.671	88	56	28.694	ug/l #	77
51) 4-Methyl-2-Pentanone	8.580	43	7273	3.910	ug/l	97
52) Toluene	8.726	92	3393	0.856	ug/l	96
53) t-1,3-Dichloropropene	8.994	75	1607	0.746	ug/l #	87
54) cis-1,3-Dichloropropene	8.372	75	1971	0.806	ug/l #	57
55) 1,1,2-Trichloroethane	9.153	97	1297	0.878	ug/l #	83
56) Ethyl methacrylate	9.122	69	1477	0.678	ug/l	93
57) 1,3-Dichloropropane	9.311	76	2249	0.885	ug/l	95
58) 2-Chloroethyl Vinyl ether	8.251	63	3778	3.337	ug/l	92
59) 2-Hexanone	9.439	43	4833	3.758	ug/l	94
60) Dibromochloromethane	9.525	129	1436	0.825	ug/l	99
61) 1,2-Dibromoethane	9.610	107	1209	0.805	ug/l	90
64) Tetrachloroethene	9.275	164	1399	0.983	ug/l	95
65) Chlorobenzene	10.073	112	4127	0.910	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.159	131	1242	0.815	ug/l #	64
67) Ethyl Benzene	10.195	91	6967	0.880	ug/l	98
68) m/p-Xylenes	10.305	106	5214	1.767	ug/l	98
69) o-Xylene	10.646	106	2045	0.739	ug/l	80
70) Styrene	10.659	104	4077	0.842	ug/l	98
71) Bromoform	10.799	173	927	0.799	ug/l #	96
73) Isopropylbenzene	10.963	105	6314	0.828	ug/l	97
74) N-amyl acetate	10.848	43	1921	0.665	ug/l #	85
75) 1,1,2,2-Tetrachloroethane	11.213	83	1690	0.793	ug/l	93
76) 1,2,3-Trichloropropane	11.238	75	1346m	0.640	ug/l	
77) Bromobenzene	11.201	156	1541	0.839	ug/l	95
78) n-propylbenzene	11.305	91	7545	0.833	ug/l	98
79) 2-Chlorotoluene	11.366	91	4896	0.905	ug/l	93
80) 1,3,5-Trimethylbenzene	11.451	105	5174	0.825	ug/l	94
82) 4-Chlorotoluene	11.457	91	5664	0.897	ug/l	99
83) tert-Butylbenzene	11.713	119	5507	0.850	ug/l	95
84) 1,2,4-Trimethylbenzene	11.750	105	5087	0.808	ug/l	99
85) sec-Butylbenzene	11.890	105	6839	0.835	ug/l	98
86) p-Isopropyltoluene	12.006	119	6018	0.871	ug/l	92
87) 1,3-Dichlorobenzene	11.969	146	3509	0.980	ug/l	96
88) 1,4-Dichlorobenzene	12.036	146	4003m	1.089	ug/l	
89) n-Butylbenzene	12.335	91	6186	0.943	ug/l	96
90) Hexachloroethane	12.536	117	1081	0.893	ug/l	90
91) 1,2-Dichlorobenzene	12.335	146	3024	0.904	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.951	75	277	0.659	ug/l	95
93) 1,2,4-Trichlorobenzene	13.591	180	2424	1.019	ug/l	99
94) Hexachlorobutadiene	13.725	225	1025	1.025	ug/l	97
95) Naphthalene	13.780	128	5461	0.806	ug/l	96
96) 1,2,3-Trichlorobenzene	13.963	180	1982	0.871	ug/l	96

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

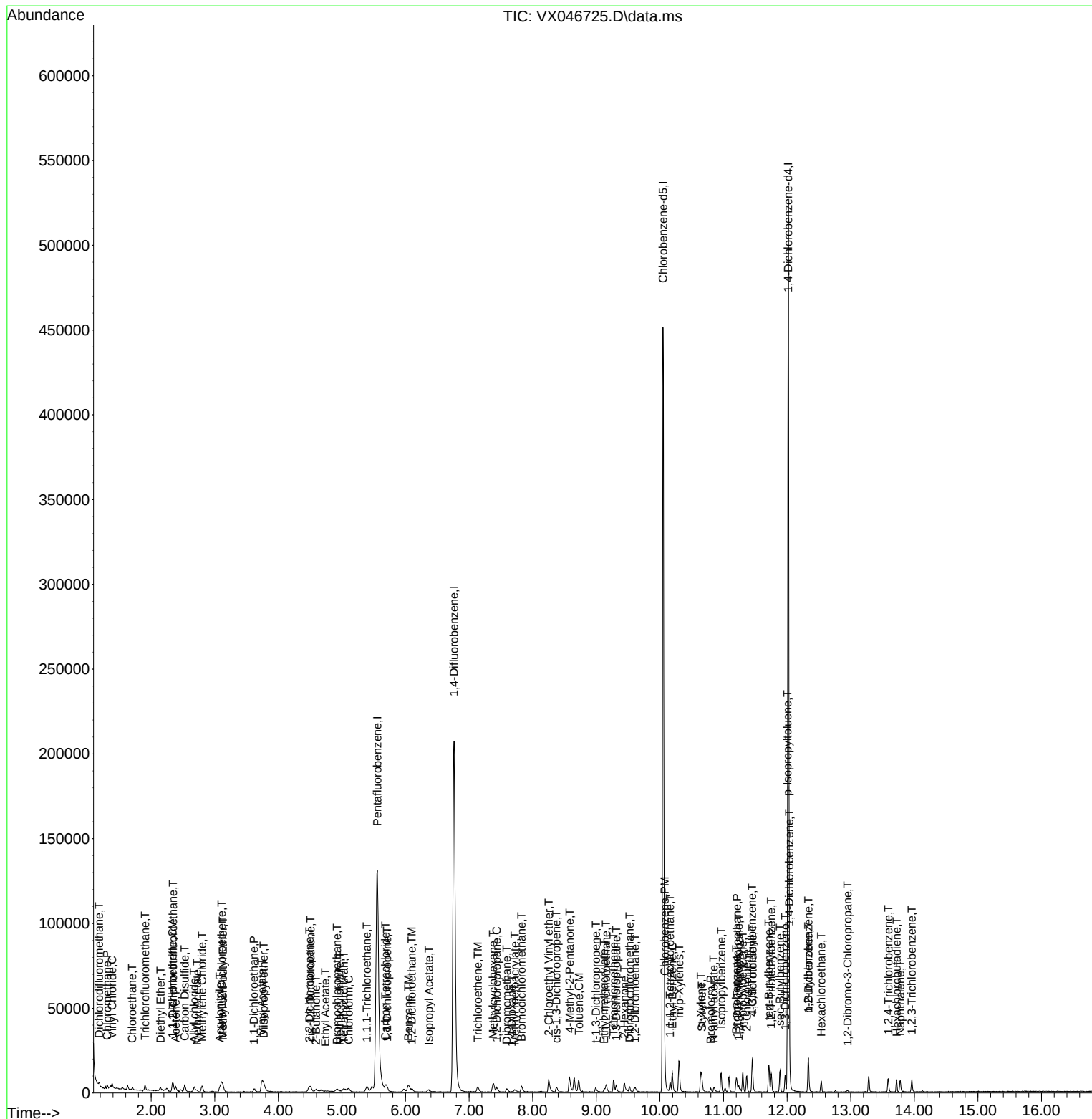
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX061725\
 Data File : VX046725.D
 Acq On : 17 Jun 2025 17:18
 Operator : JC/MD
 Sample : VSTDICC001
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICC001

Quant Time: Jun 18 02:42:58 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X061725W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 18 02:34:13 2025
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 06/18/2025
 Supervised By :Mahesh Dadoda 06/18/2025



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX061725\
 Data File : VX046726.D
 Acq On : 17 Jun 2025 18:00
 Operator : JC/MD
 Sample : VSTDICV050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 ICVVX061725

Quant Time: Jun 18 07:50:18 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X061725W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 18 03:09:16 2025
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : Semsettin Yesilyurt 06/18/2025
 Supervised By : Mahesh Dadoda 06/18/2025

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

Internal Standards						
1) Pentafluorobenzene	5.562	168	129144	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	209541	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	184761	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	91992	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	81629	45.697	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	91.400%		
35) Dibromofluoromethane	5.397	113	66647	48.072	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	96.140%		
50) Toluene-d8	8.647	98	236781	47.537	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	95.080%		
62) 4-Bromofluorobenzene	11.079	95	88588	47.712	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	95.420%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.179	85	75554	54.798	ug/l	100
3) Chloromethane	1.307	50	76483	51.393	ug/l	99
4) Vinyl Chloride	1.386	62	82156	51.768	ug/l	95
5) Bromomethane	1.618	94	48957	54.831	ug/l	96
6) Chloroethane	1.703	64	49931	51.911	ug/l	99
7) Trichlorofluoromethane	1.904	101	123768	51.363	ug/l	98
8) Diethyl Ether	2.148	74	42437	51.316	ug/l	99
9) 1,1,2-Trichlorotrifluo...	2.343	101	75525	51.089	ug/l	99
10) Methyl Iodide	2.465	142	84139	45.861	ug/l	99
11) Tert butyl alcohol	2.959	59	40385	251.888	ug/l	100
12) 1,1-Dichloroethene	2.337	96	74097	51.945	ug/l	99
13) Acrolein	2.246	56	59544	254.972	ug/l	99
14) Allyl chloride	2.678	41	131610	50.922	ug/l	99
15) Acrylonitrile	3.075	53	187601	260.219	ug/l	98
16) Acetone	2.386	43	146745	246.347	ug/l	98
17) Carbon Disulfide	2.526	76	205516	47.710	ug/l	98
18) Methyl Acetate	2.715	43	80049	52.909	ug/l	98
19) Methyl tert-butyl Ether	3.123	73	226557	51.008	ug/l	99
20) Methylene Chloride	2.800	84	80668	48.696	ug/l	99
21) trans-1,2-Dichloroethene	3.105	96	76889	50.375	ug/l	98
22) Diisopropyl ether	3.770	45	257775	51.890	ug/l	99
23) Vinyl Acetate	3.733	43	1044679	264.451	ug/l	100
24) 1,1-Dichloroethane	3.623	63	142442	50.502	ug/l	99
25) 2-Butanone	4.562	43	222870	264.542	ug/l	98
26) 2,2-Dichloropropane	4.483	77	104151	50.629	ug/l	99
27) cis-1,2-Dichloroethene	4.501	96	89665	50.003	ug/l	99
28) Bromochloromethane	4.904	49	64330	50.308	ug/l	99
29) Tetrahydrofuran	5.013	42	143570	263.836	ug/l	99
30) Chloroform	5.105	83	144108	51.089	ug/l	98
31) Cyclohexane	5.483	56	132301	49.462	ug/l	99
32) 1,1,1-Trichloroethane	5.391	97	123796	50.042	ug/l	99
36) 1,1-Dichloropropene	5.702	75	100241	50.088	ug/l	99
37) Ethyl Acetate	4.721	43	94953	51.401	ug/l	99
38) Carbon Tetrachloride	5.690	117	109471	50.403	ug/l	98
39) Methylcyclohexane	7.385	83	132086	50.155	ug/l	97
40) Benzene	6.044	78	304346	51.385	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX061725\
 Data File : VX046726.D
 Acq On : 17 Jun 2025 18:00
 Operator : JC/MD
 Sample : VSTDICV050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 ICVVX061725

Manual Integrations
 APPROVED

Reviewed By : Semsettin Yesilyurt 06/18/2025
 Supervised By : Mahesh Dadoda 06/18/2025

Quant Time: Jun 18 07:50:18 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X061725W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 18 03:09:16 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.928	41	54501	55.341	ug/l	97
42) 1,2-Dichloroethane	6.099	62	106085	50.970	ug/l	99
43) Isopropyl Acetate	6.342	43	155773	53.888	ug/l	99
44) Trichloroethene	7.129	130	76981	51.000	ug/l	97
45) 1,2-Dichloropropane	7.434	63	74773	50.940	ug/l	94
46) Dibromomethane	7.586	93	54149	51.329	ug/l	100
47) Bromodichloromethane	7.824	83	110823	51.479	ug/l	100
48) Methyl methacrylate	7.696	41	79868	55.091	ug/l	99
49) 1,4-Dioxane	7.659	88	20314	964.253	ug/l	97
51) 4-Methyl-2-Pentanone	8.574	43	470527	272.916	ug/l	99
52) Toluene	8.720	92	188131	51.237	ug/l	99
53) t-1,3-Dichloropropene	8.976	75	105435	52.785	ug/l	99
54) cis-1,3-Dichloropropene	8.366	75	117487	51.813	ug/l	97
55) 1,1,2-Trichloroethane	9.153	97	70739	51.698	ug/l	99
56) Ethyl methacrylate	9.116	69	109612	54.266	ug/l	100
57) 1,3-Dichloropropane	9.305	76	121649	51.625	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.244	63	293709	279.922	ug/l	100
59) 2-Hexanone	9.427	43	326564	273.982	ug/l	99
60) Dibromochloromethane	9.519	129	82234	50.997	ug/l	99
61) 1,2-Dibromoethane	9.610	107	72749	52.268	ug/l	98
64) Tetrachloroethene	9.275	164	62943	49.172	ug/l	98
65) Chlorobenzene	10.079	112	203947	50.006	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.159	131	69709	50.856	ug/l	99
67) Ethyl Benzene	10.195	91	359779	50.487	ug/l	98
68) m/p-Xylenes	10.299	106	272935	102.789	ug/l	99
69) o-Xylene	10.640	106	130980	52.635	ug/l	97
70) Styrene	10.653	104	227060	52.139	ug/l	100
71) Bromoform	10.799	173	53660	51.404	ug/l #	100
73) Isopropylbenzene	10.957	105	346098	51.083	ug/l	100
74) N-amyl acetate	10.842	43	138890	54.107	ug/l	100
75) 1,1,2,2-Tetrachloroethane	11.207	83	98960	52.310	ug/l	99
76) 1,2,3-Trichloropropane	11.238	75	81355m	48.286	ug/l	
77) Bromobenzene	11.195	156	82515	50.611	ug/l	99
78) n-propylbenzene	11.305	91	412345	51.240	ug/l	100
79) 2-Chlorotoluene	11.360	91	239904	49.931	ug/l	99
80) 1,3,5-Trimethylbenzene	11.451	105	288104	51.746	ug/l	99
81) trans-1,4-Dichloro-2-b...	11.018	75	29929	50.210	ug/l	99
82) 4-Chlorotoluene	11.451	91	280848	50.085	ug/l	98
83) tert-Butylbenzene	11.713	119	287513	49.958	ug/l	98
84) 1,2,4-Trimethylbenzene	11.750	105	286365	51.193	ug/l	99
85) sec-Butylbenzene	11.890	105	371523	51.079	ug/l	100
86) p-Isopropyltoluene	12.006	119	311698	50.791	ug/l	100
87) 1,3-Dichlorobenzene	11.969	146	154181	48.501	ug/l	99
88) 1,4-Dichlorobenzene	12.036	146	153158	46.906	ug/l	100
89) n-Butylbenzene	12.329	91	296174	50.829	ug/l	100
90) Hexachloroethane	12.536	117	52831	49.161	ug/l	98
91) 1,2-Dichlorobenzene	12.335	146	147561	49.672	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	12.939	75	19851	53.151	ug/l	97
93) 1,2,4-Trichlorobenzene	13.585	180	104267	49.369	ug/l	99
94) Hexachlorobutadiene	13.719	225	45958	51.729	ug/l	98
95) Naphthalene	13.774	128	315669	52.462	ug/l	100
96) 1,2,3-Trichlorobenzene	13.957	180	103451	51.200	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX061725\
Data File : VX046726.D
Acq On : 17 Jun 2025 18:00
Operator : JC/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
ICVVX061725

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 06/18/2025
Supervised By :Mahesh Dadoda 06/18/2025

Quant Time: Jun 18 07:50:18 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X061725W.M
Quant Title : SW846 8260
QLast Update : Wed Jun 18 03:09:16 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

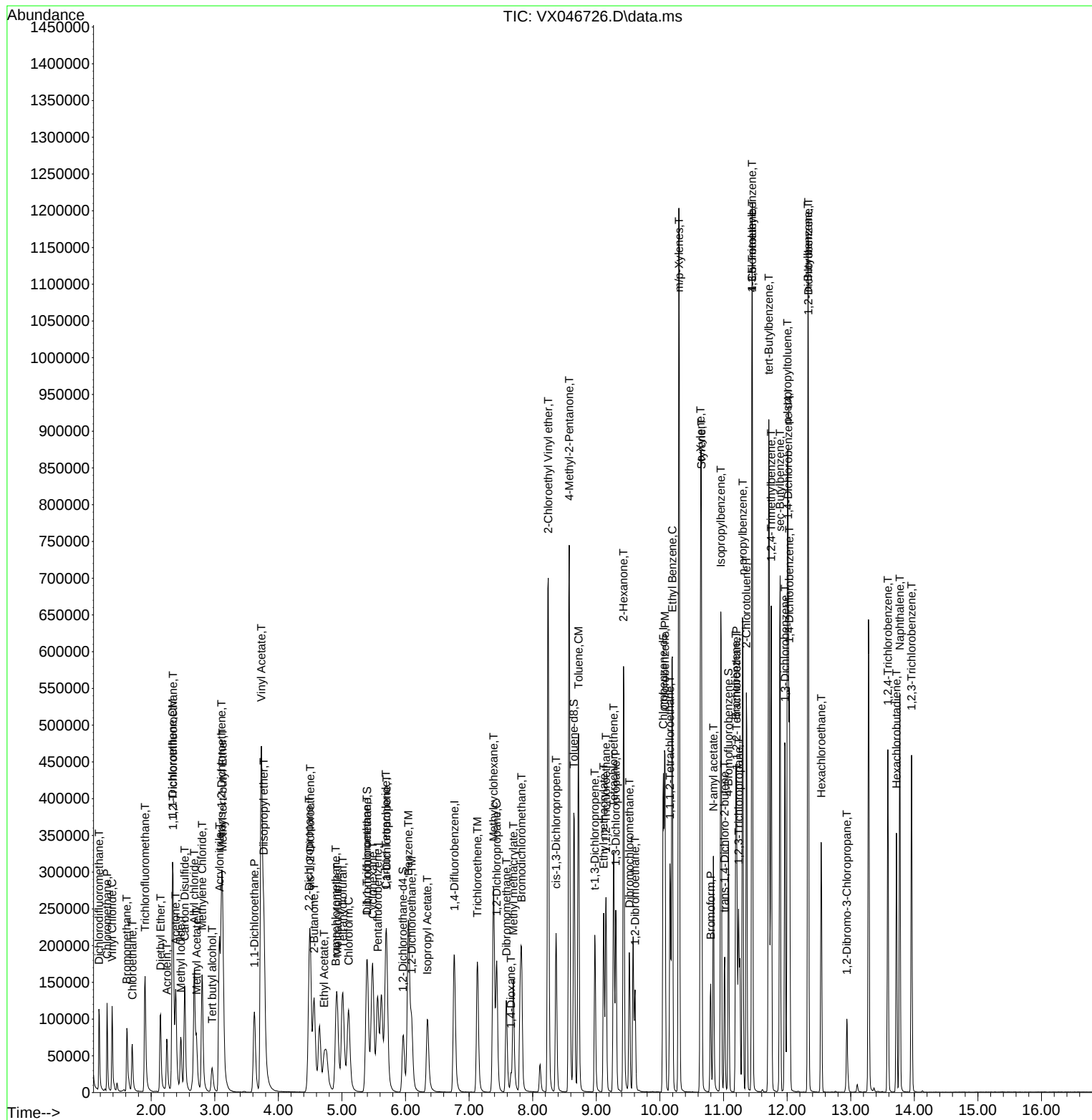
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Data File : VX046726.D  
Acq On    : 17 Jun 2025  18:00  
Operator  : JC/MD  
Sample    : VSTDICV050  
Misc      : 5.0mL/MSVOA_X/WATER  
ALS Vial  : 14   Sample Multiplier: 1
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Instrument :
MSVOA_X
ClientSampleId :
ICVVX061725

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 06/18/2025
Supervised By :Mahesh Dadoda 06/18/2025

Quant Time: Jun 18 07:50:18 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X061725W.M
Quant Title : SW846 8260
QLast Update : Wed Jun 18 03:09:16 2025
Response via : Initial Calibration



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX061725\
 Data File : VX046726.D
 Acq On : 17 Jun 2025 18:00
 Operator : JC/MD
 Sample : VSTDICV050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 ICSVX061725

Quant Time: Jun 18 07:50:18 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X061725W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 18 03:09:16 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	105	0.00
2 T	Dichlorodifluoromethane	0.534	0.585	-9.6	105	0.00
3 P	Chloromethane	0.576	0.592	-2.8	105	0.00
4 C	Vinyl Chloride	0.614	0.636	-3.6#	105	0.00
5 T	Bromomethane	0.346	0.379	-9.5	108	0.00
6 T	Chloroethane	0.372	0.387	-4.0	107	0.00
7 T	Trichlorofluoromethane	0.933	0.958	-2.7	104	0.00
8 T	Diethyl Ether	0.320	0.329	-2.8	107	0.00
9 T	1,1,2-Trichlorotrifluoroeth	0.572	0.585	-2.3	106	0.00
10 T	Methyl Iodide	0.642	0.652	-1.6	104	0.00
11 T	Tert butyl alcohol	0.062	0.063	-1.6	106	0.00
12 CM	1,1-Dichloroethene	0.552	0.574	-4.0#	106	0.00
13 T	Acrolein	0.090	0.092	-2.2	111	0.00
14 T	Allyl chloride	1.001	1.019	-1.8	107	0.00
15 T	Acrylonitrile	0.279	0.291	-4.3	107	0.00
16 T	Acetone	0.231	0.227	1.7	108	0.00
17 T	Carbon Disulfide	1.668	1.591	4.6	104	0.00
18 T	Methyl Acetate	0.586	0.620	-5.8	112	0.00
19 T	Methyl tert-butyl Ether	1.720	1.754	-2.0	105	0.00
20 T	Methylene Chloride	0.641	0.625	2.5	107	0.00
21 T	trans-1,2-Dichloroethene	0.591	0.595	-0.7	106	0.00
22 T	Diisopropyl ether	1.923	1.996	-3.8	106	0.00
23 T	Vinyl Acetate	1.529	1.618	-5.8	106	0.00
24 P	1,1-Dichloroethane	1.092	1.103	-1.0	106	0.00
25 T	2-Butanone	0.326	0.345	-5.8	107	0.00
26 T	2,2-Dichloropropane	0.796	0.806	-1.3	111	0.00
27 T	cis-1,2-Dichloroethene	0.694	0.694	0.0	106	0.00
28 T	Bromochloromethane	0.495	0.498	-0.6	107	0.00
29 T	Tetrahydrofuran	0.211	0.222	-5.2	107	0.00
30 C	Chloroform	1.092	1.116	-2.2#	105	0.00
31 T	Cyclohexane	1.036	1.024	1.2	106	0.00
32 T	1,1,1-Trichloroethane	0.958	0.959	-0.1	105	0.00
33 S	1,2-Dichloroethane-d4	0.692	0.632	8.7	102	0.00
34 I	1,4-Difluorobenzene	1.000	1.000	0.0	103	0.00
35 S	Dibromofluoromethane	0.331	0.318	3.9	102	0.00
36 T	1,1-Dichloropropene	0.478	0.478	0.0	103	0.00
37 T	Ethyl Acetate	0.441	0.453	-2.7	108	0.00
38 T	Carbon Tetrachloride	0.518	0.522	-0.8	104	0.00
39 T	Methylcyclohexane	0.628	0.630	-0.3	103	0.00
40 TM	Benzene	1.413	1.452	-2.8	105	0.00
41 T	Methacrylonitrile	0.235	0.260	-10.6	112	0.00
42 TM	1,2-Dichloroethane	0.497	0.506	-1.8	105	0.00
43 T	Isopropyl Acetate	0.690	0.743	-7.7	106	0.00
44 TM	Trichloroethene	0.360	0.367	-1.9	106	0.00
45 C	1,2-Dichloropropane	0.350	0.357	-2.0#	106	0.00
46 T	Dibromomethane	0.252	0.258	-2.4	106	0.00
47 T	Bromodichloromethane	0.514	0.529	-2.9	104	0.00
48 T	Methyl methacrylate	0.346	0.381	-10.1	105	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX061725\
 Data File : VX046726.D
 Acq On : 17 Jun 2025 18:00
 Operator : JC/MD
 Sample : VSTDICV050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 ICSVVX061725

Quant Time: Jun 18 07:50:18 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X061725W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 18 03:09:16 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	0.004	0.005	-25.0	103	0.00
50 S	Toluene-d8	1.189	1.130	5.0	101	0.00
51 T	4-Methyl-2-Pentanone	0.411	0.449	-9.2	108	0.00
52 CM	Toluene	0.876	0.898	-2.5#	104	0.00
53 T	t-1,3-Dichloropropene	0.477	0.503	-5.5	106	0.00
54 T	cis-1,3-Dichloropropene	0.541	0.561	-3.7	105	0.00
55 T	1,1,2-Trichloroethane	0.327	0.338	-3.4	106	0.00
56 T	Ethyl methacrylate	0.482	0.523	-8.5	106	0.00
57 T	1,3-Dichloropropane	0.562	0.581	-3.4	106	0.00
58 T	2-Chloroethyl Vinyl ether	0.250	0.280	-12.0	102	0.00
59 T	2-Hexanone	0.284	0.312	-9.9	108	0.00
60 T	Dibromochloromethane	0.385	0.392	-1.8	104	0.00
61 T	1,2-Dibromoethane	0.332	0.347	-4.5	106	0.00
62 S	4-Bromofluorobenzene	0.443	0.423	4.5	102	0.00
63 I	Chlorobenzene-d5	1.000	1.000	0.0	103	0.00
64 T	Tetrachloroethene	0.346	0.341	1.4	103	0.00
65 PM	Chlorobenzene	1.104	1.104	0.0	104	0.00
66 T	1,1,1,2-Tetrachloroethane	0.371	0.377	-1.6	104	0.00
67 C	Ethyl Benzene	1.929	1.947	-0.9#	104	0.00
68 T	m/p-Xylenes	0.719	0.739	-2.8	105	0.00
69 T	o-Xylene	0.673	0.709	-5.3	106	0.00
70 T	Styrene	1.179	1.229	-4.2	105	0.00
71 P	Bromoform	0.282	0.290	-2.8	104	0.00
72 I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	103	0.00
73 T	Isopropylbenzene	3.682	3.762	-2.2	104	0.00
74 T	N-amyl acetate	1.395	1.510	-8.2	106	0.00
75 P	1,1,2,2-Tetrachloroethane	1.028	1.076	-4.7	107	0.00
76 T	1,2,3-Trichloropropane	0.916	0.884	3.5	92	0.00
77 T	Bromobenzene	0.886	0.897	-1.2	104	0.00
78 T	n-propylbenzene	4.374	4.482	-2.5	105	0.00
79 T	2-Chlorotoluene	2.611	2.608	0.1	104	0.00
80 T	1,3,5-Trimethylbenzene	3.026	3.132	-3.5	105	0.00
81 T	trans-1,4-Dichloro-2-butene	0.324	0.325	-0.3	108	0.00
82 T	4-Chlorotoluene	3.048	3.053	-0.2	104	0.00
83 T	tert-Butylbenzene	3.128	3.125	0.1	103	0.00
84 T	1,2,4-Trimethylbenzene	3.040	3.113	-2.4	105	0.00
85 T	sec-Butylbenzene	3.953	4.039	-2.2	104	0.00
86 T	p-Isopropyltoluene	3.336	3.388	-1.6	105	0.00
87 T	1,3-Dichlorobenzene	1.728	1.676	3.0	103	0.00
88 T	1,4-Dichlorobenzene	1.775	1.665	6.2	104	0.00
89 T	n-Butylbenzene	3.167	3.220	-1.7	105	0.00
90 T	Hexachloroethane	0.584	0.574	1.7	102	0.00
91 T	1,2-Dichlorobenzene	1.615	1.604	0.7	104	0.00
92 T	1,2-Dibromo-3-Chloropropane	0.203	0.216	-6.4	106	0.00
93 T	1,2,4-Trichlorobenzene	1.148	1.133	1.3	104	0.00
94 T	Hexachlorobutadiene	0.483	0.500	-3.5	108	0.00
95 T	Naphthalene	3.270	3.431	-4.9	106	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX061725\
Data File : VX046726.D
Acq On : 17 Jun 2025 18:00
Operator : JC/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
ICVVX061725

Quant Time: Jun 18 07:50:18 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X061725W.M
Quant Title : SW846 8260
QLast Update : Wed Jun 18 03:09:16 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	1.098	1.125	-2.5	107	0.00

(#) = Out of Range

SPCC's out = 0 CCC's out = 6

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\WX061725\
 Data File : VX046726.D
 Acq On : 17 Jun 2025 18:00
 Operator : JC/MD
 Sample : VSTDICV050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 ICSVX061725

Quant Time: Jun 18 07:50:18 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X061725W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 18 03:09:16 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	105	0.00
2 T	Dichlorodifluoromethane	50.000	54.798	-9.6	105	0.00
3 P	Chloromethane	50.000	51.393	-2.8	105	0.00
4 C	Vinyl Chloride	50.000	51.768	-3.5#	105	0.00
5 T	Bromomethane	50.000	54.831	-9.7	108	0.00
6 T	Chloroethane	50.000	51.911	-3.8	107	0.00
7 T	Trichlorofluoromethane	50.000	51.363	-2.7	104	0.00
8 T	Diethyl Ether	50.000	51.316	-2.6	107	0.00
9 T	1,1,2-Trichlorotrifluoroeth	50.000	51.089	-2.2	106	0.00
10 T	Methyl Iodide	50.000	45.861	8.3	104	0.00
11 T	Tert butyl alcohol	250.000	251.888	-0.8	106	0.00
12 CM	1,1-Dichloroethene	50.000	51.945	-3.9#	106	0.00
13 T	Acrolein	250.000	254.972	-2.0	111	0.00
14 T	Allyl chloride	50.000	50.922	-1.8	107	0.00
15 T	Acrylonitrile	250.000	260.219	-4.1	107	0.00
16 T	Acetone	250.000	246.347	1.5	108	0.00
17 T	Carbon Disulfide	50.000	47.710	4.6	104	0.00
18 T	Methyl Acetate	50.000	52.909	-5.8	112	0.00
19 T	Methyl tert-butyl Ether	50.000	51.008	-2.0	105	0.00
20 T	Methylene Chloride	50.000	48.696	2.6	107	0.00
21 T	trans-1,2-Dichloroethene	50.000	50.375	-0.8	106	0.00
22 T	Diisopropyl ether	50.000	51.890	-3.8	106	0.00
23 T	Vinyl Acetate	250.000	264.451	-5.8	106	0.00
24 P	1,1-Dichloroethane	50.000	50.502	-1.0	106	0.00
25 T	2-Butanone	250.000	264.542	-5.8	107	0.00
26 T	2,2-Dichloropropane	50.000	50.629	-1.3	111	0.00
27 T	cis-1,2-Dichloroethene	50.000	50.003	-0.0	106	0.00
28 T	Bromochloromethane	50.000	50.308	-0.6	107	0.00
29 T	Tetrahydrofuran	250.000	263.836	-5.5	107	0.00
30 C	Chloroform	50.000	51.089	-2.2#	105	0.00
31 T	Cyclohexane	50.000	49.462	1.1	106	0.00
32 T	1,1,1-Trichloroethane	50.000	50.042	-0.1	105	0.00
33 S	1,2-Dichloroethane-d4	50.000	45.697	8.6	102	0.00
34 I	1,4-Difluorobenzene	50.000	50.000	0.0	103	0.00
35 S	Dibromofluoromethane	50.000	48.072	3.9	102	0.00
36 T	1,1-Dichloropropene	50.000	50.088	-0.2	103	0.00
37 T	Ethyl Acetate	50.000	51.401	-2.8	108	0.00
38 T	Carbon Tetrachloride	50.000	50.403	-0.8	104	0.00
39 T	Methylcyclohexane	50.000	50.155	-0.3	103	0.00
40 TM	Benzene	50.000	51.385	-2.8	105	0.00
41 T	Methacrylonitrile	50.000	55.341	-10.7	112	0.00
42 TM	1,2-Dichloroethane	50.000	50.970	-1.9	105	0.00
43 T	Isopropyl Acetate	50.000	53.888	-7.8	106	0.00
44 TM	Trichloroethene	50.000	51.000	-2.0	106	0.00
45 C	1,2-Dichloropropane	50.000	50.940	-1.9#	106	0.00
46 T	Dibromomethane	50.000	51.329	-2.7	106	0.00
47 T	Bromodichloromethane	50.000	51.479	-3.0	104	0.00
48 T	Methyl methacrylate	50.000	55.091	-10.2	105	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX061725\
 Data File : VX046726.D
 Acq On : 17 Jun 2025 18:00
 Operator : JC/MD
 Sample : VSTDICV050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 ICVVX061725

Quant Time: Jun 18 07:50:18 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X061725W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 18 03:09:16 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	964.253	3.6	103	0.00
50 S	Toluene-d8	50.000	47.537	4.9	101	0.00
51 T	4-Methyl-2-Pentanone	250.000	272.916	-9.2	108	0.00
52 CM	Toluene	50.000	51.237	-2.5#	104	0.00
53 T	t-1,3-Dichloropropene	50.000	52.785	-5.6	106	0.00
54 T	cis-1,3-Dichloropropene	50.000	51.813	-3.6	105	0.00
55 T	1,1,2-Trichloroethane	50.000	51.698	-3.4	106	0.00
56 T	Ethyl methacrylate	50.000	54.266	-8.5	106	0.00
57 T	1,3-Dichloropropane	50.000	51.625	-3.3	106	0.00
58 T	2-Chloroethyl Vinyl ether	250.000	279.922	-12.0	102	0.00
59 T	2-Hexanone	250.000	273.982	-9.6	108	0.00
60 T	Dibromochloromethane	50.000	50.997	-2.0	104	0.00
61 T	1,2-Dibromoethane	50.000	52.268	-4.5	106	0.00
62 S	4-Bromofluorobenzene	50.000	47.712	4.6	102	0.00
63 I	Chlorobenzene-d5	50.000	50.000	0.0	103	0.00
64 T	Tetrachloroethene	50.000	49.172	1.7	103	0.00
65 PM	Chlorobenzene	50.000	50.006	-0.0	104	0.00
66 T	1,1,1,2-Tetrachloroethane	50.000	50.856	-1.7	104	0.00
67 C	Ethyl Benzene	50.000	50.487	-1.0#	104	0.00
68 T	m/p-Xylenes	100.000	102.789	-2.8	105	0.00
69 T	o-Xylene	50.000	52.635	-5.3	106	0.00
70 T	Styrene	50.000	52.139	-4.3	105	0.00
71 P	Bromoform	50.000	51.404	-2.8	104	0.00
72 I	1,4-Dichlorobenzene-d4	50.000	50.000	0.0	103	0.00
73 T	Isopropylbenzene	50.000	51.083	-2.2	104	0.00
74 T	N-amyl acetate	50.000	54.107	-8.2	106	0.00
75 P	1,1,2,2-Tetrachloroethane	50.000	52.310	-4.6	107	0.00
76 T	1,2,3-Trichloropropane	50.000	48.286	3.4	92	0.00
77 T	Bromobenzene	50.000	50.611	-1.2	104	0.00
78 T	n-propylbenzene	50.000	51.240	-2.5	105	0.00
79 T	2-Chlorotoluene	50.000	49.931	0.1	104	0.00
80 T	1,3,5-Trimethylbenzene	50.000	51.746	-3.5	105	0.00
81 T	trans-1,4-Dichloro-2-butene	50.000	50.210	-0.4	108	0.00
82 T	4-Chlorotoluene	50.000	50.085	-0.2	104	0.00
83 T	tert-Butylbenzene	50.000	49.958	0.1	103	0.00
84 T	1,2,4-Trimethylbenzene	50.000	51.193	-2.4	105	0.00
85 T	sec-Butylbenzene	50.000	51.079	-2.2	104	0.00
86 T	p-Isopropyltoluene	50.000	50.791	-1.6	105	0.00
87 T	1,3-Dichlorobenzene	50.000	48.501	3.0	103	0.00
88 T	1,4-Dichlorobenzene	50.000	46.906	6.2	104	0.00
89 T	n-Butylbenzene	50.000	50.829	-1.7	105	0.00
90 T	Hexachloroethane	50.000	49.161	1.7	102	0.00
91 T	1,2-Dichlorobenzene	50.000	49.672	0.7	104	0.00
92 T	1,2-Dibromo-3-Chloropropane	50.000	53.151	-6.3	106	0.00
93 T	1,2,4-Trichlorobenzene	50.000	49.369	1.3	104	0.00
94 T	Hexachlorobutadiene	50.000	51.729	-3.5	108	0.00
95 T	Naphthalene	50.000	52.462	-4.9	106	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX061725\
Data File : VX046726.D
Acq On : 17 Jun 2025 18:00
Operator : JC/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
ICVVX061725

Quant Time: Jun 18 07:50:18 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X061725W.M
Quant Title : SW846 8260
QLast Update : Wed Jun 18 03:09:16 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	51.200	-2.4	107	0.00

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



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

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: ATGG01

Lab Code: CHEM Case No.: Q2460 SAS No.: Q2460 SDG No.: Q2460

Instrument ID: MSVOA_X Calibration Date/Time: 07/01/2025 08:53

Lab File ID: VX046844.D Init. Calib. Date(s): 06/17/2025 06/17/2025

Heated Purge: (Y/N) N Init. Calib. Time(s): 11:19 17:18

GC Column: DB-624UI ID: 0.18 (mm)

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Benzene	1.413	1.367		-3.26	20
Toluene	0.876	0.844		-3.65	20
Ethyl Benzene	1.929	1.860		-3.58	20
m/p-Xylenes	0.719	0.699		-2.78	20
o-Xylene	0.673	0.666		-1.04	20
1,2-Dichloroethane-d4	0.692	0.699		1.01	20
Dibromofluoromethane	0.331	0.380		14.8	20
Toluene-d8	1.189	1.305		9.76	20
4-Bromofluorobenzene	0.443	0.489		10.38	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_X\Data\VX070125\
 Data File : VX046844.D
 Acq On : 01 Jul 2025 08:53
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

Reviewed By : John Carlone 07/03/2025
 Supervised By : Mahesh Dadoda 07/03/2025

Quant Time: Jul 02 01:38:15 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X061725W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 18 03:09:16 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.556	168	147192	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	233068	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	203219	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	99291	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	102853	50.519	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 101.040%			
35) Dibromofluoromethane	5.385	113	88548	57.422	ug/l	-0.01
Spiked Amount 50.000	Range 75 - 124		Recovery = 114.840%			
50) Toluene-d8	8.647	98	304112	54.891	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 109.780%			
62) 4-Bromofluorobenzene	11.079	95	113978	55.190	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 110.380%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.179	85	76028	48.380	ug/l	98
3) Chloromethane	1.307	50	79515	46.879	ug/l	97
4) Vinyl Chloride	1.386	62	87046	48.124	ug/l	96
5) Bromomethane	1.624	94	55947	54.977	ug/l	94
6) Chloroethane	1.703	64	54382	49.606	ug/l	95
7) Trichlorofluoromethane	1.904	101	133219	48.506	ug/l	99
8) Diethyl Ether	2.142	74	45242	48.000	ug/l	96
9) 1,1,2-Trichlorotrifluo...	2.343	101	83661	49.654	ug/l	98
10) Methyl Iodide	2.465	142	88832	42.802	ug/l	97
11) Tert butyl alcohol	2.953	59	29491	161.387	ug/l	99
12) 1,1-Dichloroethene	2.331	96	79820	49.096	ug/l	96
13) Acrolein	2.245	56	57281	215.206	ug/l	98
14) Allyl chloride	2.678	41	140691	47.761	ug/l	98
15) Acrylonitrile	3.068	53	171501	208.718	ug/l	98
16) Acetone	2.380	43	160717	236.720	ug/l	100
17) Carbon Disulfide	2.526	76	210892	42.955	ug/l	100
18) Methyl Acetate	2.709	43	75964	44.053	ug/l	100
19) Methyl tert-butyl Ether	3.117	73	221706	43.795	ug/l	98
20) Methylene Chloride	2.800	84	88986	47.130	ug/l	98
21) trans-1,2-Dichloroethene	3.105	96	81265	46.714	ug/l	98
22) Diisopropyl ether	3.763	45	276221	48.785	ug/l	95
23) Vinyl Acetate	3.727	43	1025725	227.815	ug/l	99
24) 1,1-Dichloroethane	3.617	63	153162	47.644	ug/l	98
25) 2-Butanone	4.556	43	192307	200.276	ug/l	100
26) 2,2-Dichloropropane	4.483	77	113415	48.372	ug/l	99
27) cis-1,2-Dichloroethene	4.495	96	97159	47.538	ug/l	99
28) Bromochloromethane	4.903	49	78857	54.107	ug/l	99
29) Tetrahydrofuran	5.001	42	120800	194.772	ug/l	99
30) Chloroform	5.092	83	152835	47.540	ug/l	99
31) Cyclohexane	5.477	56	135915	44.583	ug/l	97
32) 1,1,1-Trichloroethane	5.385	97	128801	45.681	ug/l	99
36) 1,1-Dichloropropene	5.696	75	105506	47.397	ug/l	98
37) Ethyl Acetate	4.714	43	85004	41.370	ug/l	98
38) Carbon Tetrachloride	5.678	117	113228	46.870	ug/l	97
39) Methylcyclohexane	7.379	83	134423	45.890	ug/l	99
40) Benzene	6.037	78	318544	48.353	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX070125\
 Data File : VX046844.D
 Acq On : 01 Jul 2025 08:53
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

Reviewed By : John Carlone 07/03/2025
 Supervised By : Mahesh Dadoda 07/03/2025

Quant Time: Jul 02 01:38:15 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X061725W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 18 03:09:16 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.922	41	49431	45.126	ug/l	97
42) 1,2-Dichloroethane	6.086	62	107203	46.308	ug/l	99
43) Isopropyl Acetate	6.336	43	135107	42.021	ug/l	98
44) Trichloroethene	7.123	130	80910	48.192	ug/l	99
45) 1,2-Dichloropropane	7.427	63	79517	48.703	ug/l	96
46) Dibromomethane	7.580	93	55387	47.203	ug/l	99
47) Bromodichloromethane	7.818	83	118256	49.386	ug/l	98
48) Methyl methacrylate	7.690	41	71440	44.303	ug/l	98
49) 1,4-Dioxane	7.653	88	16655	718.178	ug/l	96
51) 4-Methyl-2-Pentanone	8.567	43	392981	204.929	ug/l	100
52) Toluene	8.714	92	196675	48.157	ug/l	99
53) t-1,3-Dichloropropene	8.976	75	107158	48.232	ug/l	99
54) cis-1,3-Dichloropropene	8.366	75	124290	49.280	ug/l	99
55) 1,1,2-Trichloroethane	9.147	97	71963	47.283	ug/l	99
56) Ethyl methacrylate	9.110	69	100953	44.934	ug/l	99
57) 1,3-Dichloropropane	9.305	76	122836	46.867	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.238	63	330687	283.350	ug/l	100
59) 2-Hexanone	9.427	43	268651	202.642	ug/l	100
60) Dibromochloromethane	9.518	129	86156	48.035	ug/l	99
61) 1,2-Dibromoethane	9.604	107	71933	46.465	ug/l	99
64) Tetrachloroethene	9.269	164	66742	47.404	ug/l	96
65) Chlorobenzene	10.073	112	215552	48.051	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.159	131	75076	49.796	ug/l	99
67) Ethyl Benzene	10.189	91	378063	48.234	ug/l	100
68) m/p-Xylenes	10.299	106	284065	97.264	ug/l	100
69) o-Xylene	10.640	106	135294	49.430	ug/l	97
70) Styrene	10.652	104	236143	49.300	ug/l	99
71) Bromoform	10.793	173	53660	46.735	ug/l #	100
73) Isopropylbenzene	10.957	105	357520	48.890	ug/l	99
74) N-amyl acetate	10.841	43	120243	43.399	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.207	83	92510	45.306	ug/l	99
76) 1,2,3-Trichloropropane	11.238	75	75526m	41.531	ug/l	
77) Bromobenzene	11.195	156	86876	49.368	ug/l	99
78) n-propylbenzene	11.299	91	427926	49.267	ug/l	99
79) 2-Chlorotoluene	11.360	91	248376	47.894	ug/l	99
80) 1,3,5-Trimethylbenzene	11.451	105	292581	48.688	ug/l	100
81) trans-1,4-Dichloro-2-b...	11.012	75	28348	44.062	ug/l #	94
82) 4-Chlorotoluene	11.451	91	292532	48.334	ug/l	99
83) tert-Butylbenzene	11.713	119	299986	48.293	ug/l	98
84) 1,2,4-Trimethylbenzene	11.750	105	294342	48.751	ug/l	100
85) sec-Butylbenzene	11.884	105	376138	47.912	ug/l	100
86) p-Isopropyltoluene	12.006	119	311570	47.038	ug/l	100
87) 1,3-Dichlorobenzene	11.963	146	160760	46.853	ug/l	99
88) 1,4-Dichlorobenzene	12.036	146	160966	45.673	ug/l	100
89) n-Butylbenzene	12.329	91	293475	46.664	ug/l	100
90) Hexachloroethane	12.536	117	54354	46.860	ug/l	98
91) 1,2-Dichlorobenzene	12.329	146	152655	47.609	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.939	75	15871	39.371	ug/l	97
93) 1,2,4-Trichlorobenzene	13.585	180	104676	45.919	ug/l	98
94) Hexachlorobutadiene	13.719	225	40681	42.423	ug/l	97
95) Naphthalene	13.774	128	280938	43.258	ug/l	100
96) 1,2,3-Trichlorobenzene	13.957	180	98081	44.974	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX070125\
Data File : VX046844.D
Acq On : 01 Jul 2025 08:53
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

Reviewed By : John Carlone 07/03/2025
Supervised By : Mahesh Dadoda 07/03/2025

Quant Time: Jul 02 01:38:15 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X061725W.M
Quant Title : SW846 8260
QLast Update : Wed Jun 18 03:09:16 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

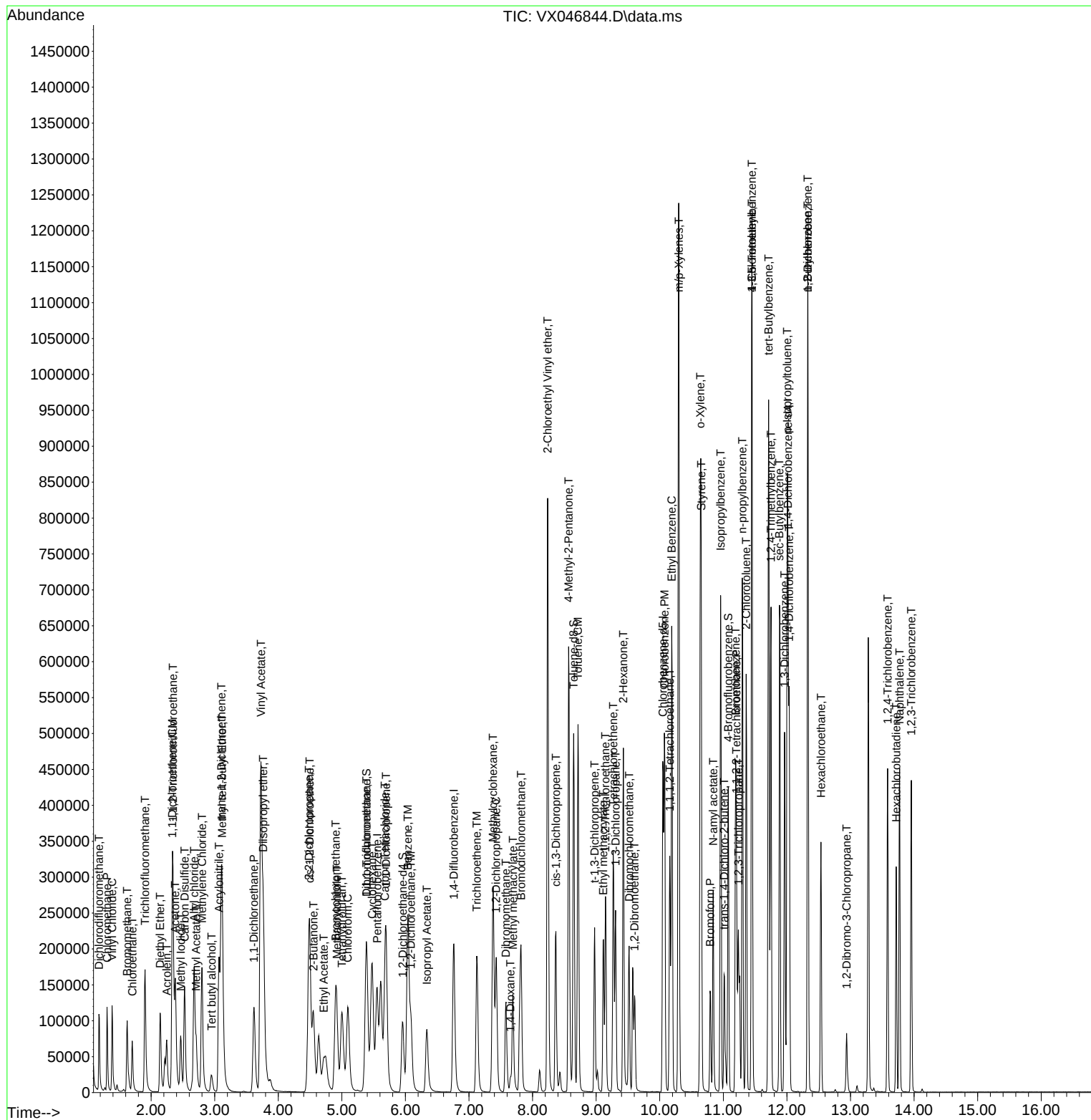
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Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX070125\
Data File : VX046844.D
Acq On    : 01 Jul 2025 08:53
Operator  : JC/MD
Sample    : VSTDCCC050
Misc      : 5.0mL/MSVOA_X/WATER
ALS Vial  : 2    Sample Multiplier: 1
```

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

Reviewed By :John Carlone 07/03/2025
Supervised By :Mahesh Dadoda 07/03/2025

Quant Time: Jul 02 01:38:15 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X061725W.M
Quant Title : SW846 8260
QLast Update : Wed Jun 18 03:09:16 2025
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Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX070125\
 Data File : VX046844.D
 Acq On : 01 Jul 2025 08:53
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_X
 LabSampleId :
 VSTDCCC050

Quant Time: Jul 02 01:38:15 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X061725W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 18 03:09:16 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	119	0.00
2 T	Dichlorodifluoromethane	0.534	0.517	3.2	106	0.00
3 P	Chloromethane	0.576	0.540	6.2	109	0.00
4 C	Vinyl Chloride	0.614	0.591	3.7#	111	0.00
5 T	Bromomethane	0.346	0.380	-9.8	123	0.00
6 T	Chloroethane	0.372	0.369	0.8	117	0.00
7 T	Trichlorofluoromethane	0.933	0.905	3.0	112	0.00
8 T	Diethyl Ether	0.320	0.307	4.1	114	0.00
9 T	1,1,2-Trichlorotrifluoroeth	0.572	0.568	0.7	118	0.00
10 T	Methyl Iodide	0.642	0.604	5.9	110	0.00
11 T	Tert butyl alcohol	0.062	0.040	35.5#	77	0.00
12 CM	1,1-Dichloroethene	0.552	0.542	1.8#	114	0.00
13 T	Acrolein	0.090	0.078	13.3	106	0.00
14 T	Allyl chloride	1.001	0.956	4.5	114	0.00
15 T	Acrylonitrile	0.279	0.233	16.5	98	0.00
16 T	Acetone	0.231	0.218	5.6	118	0.00
17 T	Carbon Disulfide	1.668	1.433	14.1	107	0.00
18 T	Methyl Acetate	0.586	0.516	11.9	106	0.00
19 T	Methyl tert-butyl Ether	1.720	1.506	12.4	103	0.00
20 T	Methylene Chloride	0.641	0.605	5.6	118	0.00
21 T	trans-1,2-Dichloroethene	0.591	0.552	6.6	112	0.00
22 T	Diisopropyl ether	1.923	1.877	2.4	114	0.00
23 T	Vinyl Acetate	1.529	1.394	8.8	104	0.00
24 P	1,1-Dichloroethane	1.092	1.041	4.7	114	0.00
25 T	2-Butanone	0.326	0.261	19.9	92	0.00
26 T	2,2-Dichloropropane	0.796	0.771	3.1	121	0.00
27 T	cis-1,2-Dichloroethene	0.694	0.660	4.9	115	0.00
28 T	Bromochloromethane	0.495	0.536	-8.3	132	0.00
29 T	Tetrahydrofuran	0.211	0.164	22.3	90	-0.01
30 C	Chloroform	1.092	1.038	4.9#	111	-0.01
31 T	Cyclohexane	1.036	0.923	10.9	109	0.00
32 T	1,1,1-Trichloroethane	0.958	0.875	8.7	109	-0.01
33 S	1,2-Dichloroethane-d4	0.692	0.699	-1.0	128	0.00
34 I	1,4-Difluorobenzene	1.000	1.000	0.0	114	0.00
35 S	Dibromofluoromethane	0.331	0.380	-14.8	135	-0.01
36 T	1,1-Dichloropropene	0.478	0.453	5.2	108	0.00
37 T	Ethyl Acetate	0.441	0.365	17.2	97	0.00
38 T	Carbon Tetrachloride	0.518	0.486	6.2	108	-0.01
39 T	Methylcyclohexane	0.628	0.577	8.1	105	0.00
40 TM	Benzene	1.413	1.367	3.3	110	0.00
41 T	Methacrylonitrile	0.235	0.212	9.8	101	0.00
42 TM	1,2-Dichloroethane	0.497	0.460	7.4	106	0.00
43 T	Isopropyl Acetate	0.690	0.580	15.9	92	0.00
44 TM	Trichloroethene	0.360	0.347	3.6	111	0.00
45 C	1,2-Dichloropropane	0.350	0.341	2.6#	112	0.00
46 T	Dibromomethane	0.252	0.238	5.6	108	0.00
47 T	Bromodichloromethane	0.514	0.507	1.4	111	0.00
48 T	Methyl methacrylate	0.346	0.307	11.3	94	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX070125\
 Data File : VX046844.D
 Acq On : 01 Jul 2025 08:53
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_X
 LabSampleId :
 VSTDCCC050

Quant Time: Jul 02 01:38:15 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X061725W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 18 03:09:16 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	0.004	0.004	0.0	84	0.00
50 S	Toluene-d8	1.189	1.305	-9.8	130	0.00
51 T	4-Methyl-2-Pentanone	0.411	0.337	18.0	90	0.00
52 CM	Toluene	0.876	0.844	3.7#	108	0.00
53 T	t-1,3-Dichloropropene	0.477	0.460	3.6	107	0.00
54 T	cis-1,3-Dichloropropene	0.541	0.533	1.5	111	0.00
55 T	1,1,2-Trichloroethane	0.327	0.309	5.5	108	0.00
56 T	Ethyl methacrylate	0.482	0.433	10.2	97	0.00
57 T	1,3-Dichloropropane	0.562	0.527	6.2	107	0.00
58 T	2-Chloroethyl Vinyl ether	0.250	0.284	-13.6	115	0.00
59 T	2-Hexanone	0.284	0.231	18.7	89	0.00
60 T	Dibromochloromethane	0.385	0.370	3.9	109	0.00
61 T	1,2-Dibromoethane	0.332	0.309	6.9	105	0.00
62 S	4-Bromofluorobenzene	0.443	0.489	-10.4	131	0.00
63 I	Chlorobenzene-d5	1.000	1.000	0.0	113	0.00
64 T	Tetrachloroethene	0.346	0.328	5.2	109	0.00
65 PM	Chlorobenzene	1.104	1.061	3.9	110	0.00
66 T	1,1,1,2-Tetrachloroethane	0.371	0.369	0.5	112	0.00
67 C	Ethyl Benzene	1.929	1.860	3.6#	109	0.00
68 T	m/p-Xylenes	0.719	0.699	2.8	109	0.00
69 T	o-Xylene	0.673	0.666	1.0	109	0.00
70 T	Styrene	1.179	1.162	1.4	109	0.00
71 P	Bromoform	0.282	0.264	6.4	104	0.00
72 I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	112	0.00
73 T	Isopropylbenzene	3.682	3.601	2.2	108	0.00
74 T	N-amyl acetate	1.395	1.211	13.2	92	0.00
75 P	1,1,2,2-Tetrachloroethane	1.028	0.932	9.3	100	0.00
76 T	1,2,3-Trichloropropane	0.916	0.761	16.9	86	0.00
77 T	Bromobenzene	0.886	0.875	1.2	109	0.00
78 T	n-propylbenzene	4.374	4.310	1.5	109	0.00
79 T	2-Chlorotoluene	2.611	2.501	4.2	108	0.00
80 T	1,3,5-Trimethylbenzene	3.026	2.947	2.6	107	0.00
81 T	trans-1,4-Dichloro-2-butene	0.324	0.286	11.7	102	0.00
82 T	4-Chlorotoluene	3.048	2.946	3.3	109	0.00
83 T	tert-Butylbenzene	3.128	3.021	3.4	108	0.00
84 T	1,2,4-Trimethylbenzene	3.040	2.964	2.5	108	0.00
85 T	sec-Butylbenzene	3.953	3.788	4.2	106	0.00
86 T	p-Isopropyltoluene	3.336	3.138	5.9	105	0.00
87 T	1,3-Dichlorobenzene	1.728	1.619	6.3	108	0.00
88 T	1,4-Dichlorobenzene	1.775	1.621	8.7	109	0.00
89 T	n-Butylbenzene	3.167	2.956	6.7	105	0.00
90 T	Hexachloroethane	0.584	0.547	6.3	105	0.00
91 T	1,2-Dichlorobenzene	1.615	1.537	4.8	108	0.00
92 T	1,2-Dibromo-3-Chloropropane	0.203	0.160	21.2	85	0.00
93 T	1,2,4-Trichlorobenzene	1.148	1.054	8.2	104	0.00
94 T	Hexachlorobutadiene	0.483	0.410	15.1	95	0.00
95 T	Naphthalene	3.270	2.829	13.5	95	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX070125\
Data File : VX046844.D
Acq On : 01 Jul 2025 08:53
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: Jul 02 01:38:15 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X061725W.M
Quant Title : SW846 8260
QLast Update : Wed Jun 18 03:09:16 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	1.098	0.988	10.0	102	0.00

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX070125\
 Data File : VX046844.D
 Acq On : 01 Jul 2025 08:53
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_X
 LabSampleId :
 VSTDCCC050

Quant Time: Jul 02 01:38:15 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X061725W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 18 03:09:16 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	119	0.00
2 T	Dichlorodifluoromethane	50.000	48.380	3.2	106	0.00
3 P	Chloromethane	50.000	46.879	6.2	109	0.00
4 C	Vinyl Chloride	50.000	48.124	3.8#	111	0.00
5 T	Bromomethane	50.000	54.977	-10.0	123	0.00
6 T	Chloroethane	50.000	49.606	0.8	117	0.00
7 T	Trichlorofluoromethane	50.000	48.506	3.0	112	0.00
8 T	Diethyl Ether	50.000	48.000	4.0	114	0.00
9 T	1,1,2-Trichlorotrifluoroeth	50.000	49.654	0.7	118	0.00
10 T	Methyl Iodide	50.000	42.802	14.4	110	0.00
11 T	Tert butyl alcohol	250.000	161.387	35.4#	77	0.00
12 CM	1,1-Dichloroethene	50.000	49.096	1.8#	114	0.00
13 T	Acrolein	250.000	215.206	13.9	106	0.00
14 T	Allyl chloride	50.000	47.761	4.5	114	0.00
15 T	Acrylonitrile	250.000	208.718	16.5	98	0.00
16 T	Acetone	250.000	236.720	5.3	118	0.00
17 T	Carbon Disulfide	50.000	42.955	14.1	107	0.00
18 T	Methyl Acetate	50.000	44.053	11.9	106	0.00
19 T	Methyl tert-butyl Ether	50.000	43.795	12.4	103	0.00
20 T	Methylene Chloride	50.000	47.130	5.7	118	0.00
21 T	trans-1,2-Dichloroethene	50.000	46.714	6.6	112	0.00
22 T	Diisopropyl ether	50.000	48.785	2.4	114	0.00
23 T	Vinyl Acetate	250.000	227.815	8.9	104	0.00
24 P	1,1-Dichloroethane	50.000	47.644	4.7	114	0.00
25 T	2-Butanone	250.000	200.276	19.9	92	0.00
26 T	2,2-Dichloropropane	50.000	48.372	3.3	121	0.00
27 T	cis-1,2-Dichloroethene	50.000	47.538	4.9	115	0.00
28 T	Bromochloromethane	50.000	54.107	-8.2	132	0.00
29 T	Tetrahydrofuran	250.000	194.772	22.1	90	-0.01
30 C	Chloroform	50.000	47.540	4.9#	111	-0.01
31 T	Cyclohexane	50.000	44.583	10.8	109	0.00
32 T	1,1,1-Trichloroethane	50.000	45.681	8.6	109	-0.01
33 S	1,2-Dichloroethane-d4	50.000	50.519	-1.0	128	0.00
34 I	1,4-Difluorobenzene	50.000	50.000	0.0	114	0.00
35 S	Dibromofluoromethane	50.000	57.422	-14.8	135	-0.01
36 T	1,1-Dichloropropene	50.000	47.397	5.2	108	0.00
37 T	Ethyl Acetate	50.000	41.370	17.3	97	0.00
38 T	Carbon Tetrachloride	50.000	46.870	6.3	108	-0.01
39 T	Methylcyclohexane	50.000	45.890	8.2	105	0.00
40 TM	Benzene	50.000	48.353	3.3	110	0.00
41 T	Methacrylonitrile	50.000	45.126	9.7	101	0.00
42 TM	1,2-Dichloroethane	50.000	46.308	7.4	106	0.00
43 T	Isopropyl Acetate	50.000	42.021	16.0	92	0.00
44 TM	Trichloroethene	50.000	48.192	3.6	111	0.00
45 C	1,2-Dichloropropane	50.000	48.703	2.6#	112	0.00
46 T	Dibromomethane	50.000	47.203	5.6	108	0.00
47 T	Bromodichloromethane	50.000	49.386	1.2	111	0.00
48 T	Methyl methacrylate	50.000	44.303	11.4	94	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX070125\
 Data File : VX046844.D
 Acq On : 01 Jul 2025 08:53
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_X
 LabSampleId :
 VSTDCCC050

Quant Time: Jul 02 01:38:15 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X061725W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 18 03:09:16 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	718.178	28.2#	84	0.00
50 S	Toluene-d8	50.000	54.891	-9.8	130	0.00
51 T	4-Methyl-2-Pentanone	250.000	204.929	18.0	90	0.00
52 CM	Toluene	50.000	48.157	3.7#	108	0.00
53 T	t-1,3-Dichloropropene	50.000	48.232	3.5	107	0.00
54 T	cis-1,3-Dichloropropene	50.000	49.280	1.4	111	0.00
55 T	1,1,2-Trichloroethane	50.000	47.283	5.4	108	0.00
56 T	Ethyl methacrylate	50.000	44.934	10.1	97	0.00
57 T	1,3-Dichloropropane	50.000	46.867	6.3	107	0.00
58 T	2-Chloroethyl Vinyl ether	250.000	283.350	-13.3	115	0.00
59 T	2-Hexanone	250.000	202.642	18.9	89	0.00
60 T	Dibromochloromethane	50.000	48.035	3.9	109	0.00
61 T	1,2-Dibromoethane	50.000	46.465	7.1	105	0.00
62 S	4-Bromofluorobenzene	50.000	55.190	-10.4	131	0.00
63 I	Chlorobenzene-d5	50.000	50.000	0.0	113	0.00
64 T	Tetrachloroethene	50.000	47.404	5.2	109	0.00
65 PM	Chlorobenzene	50.000	48.051	3.9	110	0.00
66 T	1,1,1,2-Tetrachloroethane	50.000	49.796	0.4	112	0.00
67 C	Ethyl Benzene	50.000	48.234	3.5#	109	0.00
68 T	m/p-Xylenes	100.000	97.264	2.7	109	0.00
69 T	o-Xylene	50.000	49.430	1.1	109	0.00
70 T	Styrene	50.000	49.300	1.4	109	0.00
71 P	Bromoform	50.000	46.735	6.5	104	0.00
72 I	1,4-Dichlorobenzene-d4	50.000	50.000	0.0	112	0.00
73 T	Isopropylbenzene	50.000	48.890	2.2	108	0.00
74 T	N-amyl acetate	50.000	43.399	13.2	92	0.00
75 P	1,1,2,2-Tetrachloroethane	50.000	45.306	9.4	100	0.00
76 T	1,2,3-Trichloropropane	50.000	41.531	16.9	86	0.00
77 T	Bromobenzene	50.000	49.368	1.3	109	0.00
78 T	n-propylbenzene	50.000	49.267	1.5	109	0.00
79 T	2-Chlorotoluene	50.000	47.894	4.2	108	0.00
80 T	1,3,5-Trimethylbenzene	50.000	48.688	2.6	107	0.00
81 T	trans-1,4-Dichloro-2-butene	50.000	44.062	11.9	102	0.00
82 T	4-Chlorotoluene	50.000	48.334	3.3	109	0.00
83 T	tert-Butylbenzene	50.000	48.293	3.4	108	0.00
84 T	1,2,4-Trimethylbenzene	50.000	48.751	2.5	108	0.00
85 T	sec-Butylbenzene	50.000	47.912	4.2	106	0.00
86 T	p-Isopropyltoluene	50.000	47.038	5.9	105	0.00
87 T	1,3-Dichlorobenzene	50.000	46.853	6.3	108	0.00
88 T	1,4-Dichlorobenzene	50.000	45.673	8.7	109	0.00
89 T	n-Butylbenzene	50.000	46.664	6.7	105	0.00
90 T	Hexachloroethane	50.000	46.860	6.3	105	0.00
91 T	1,2-Dichlorobenzene	50.000	47.609	4.8	108	0.00
92 T	1,2-Dibromo-3-Chloropropane	50.000	39.371	21.3	85	0.00
93 T	1,2,4-Trichlorobenzene	50.000	45.919	8.2	104	0.00
94 T	Hexachlorobutadiene	50.000	42.423	15.2	95	0.00
95 T	Naphthalene	50.000	43.258	13.5	95	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX070125\
Data File : VX046844.D
Acq On : 01 Jul 2025 08:53
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: Jul 02 01:38:15 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X061725W.M
Quant Title : SW846 8260
QLast Update : Wed Jun 18 03:09:16 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	44.974	10.1	102	0.00

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



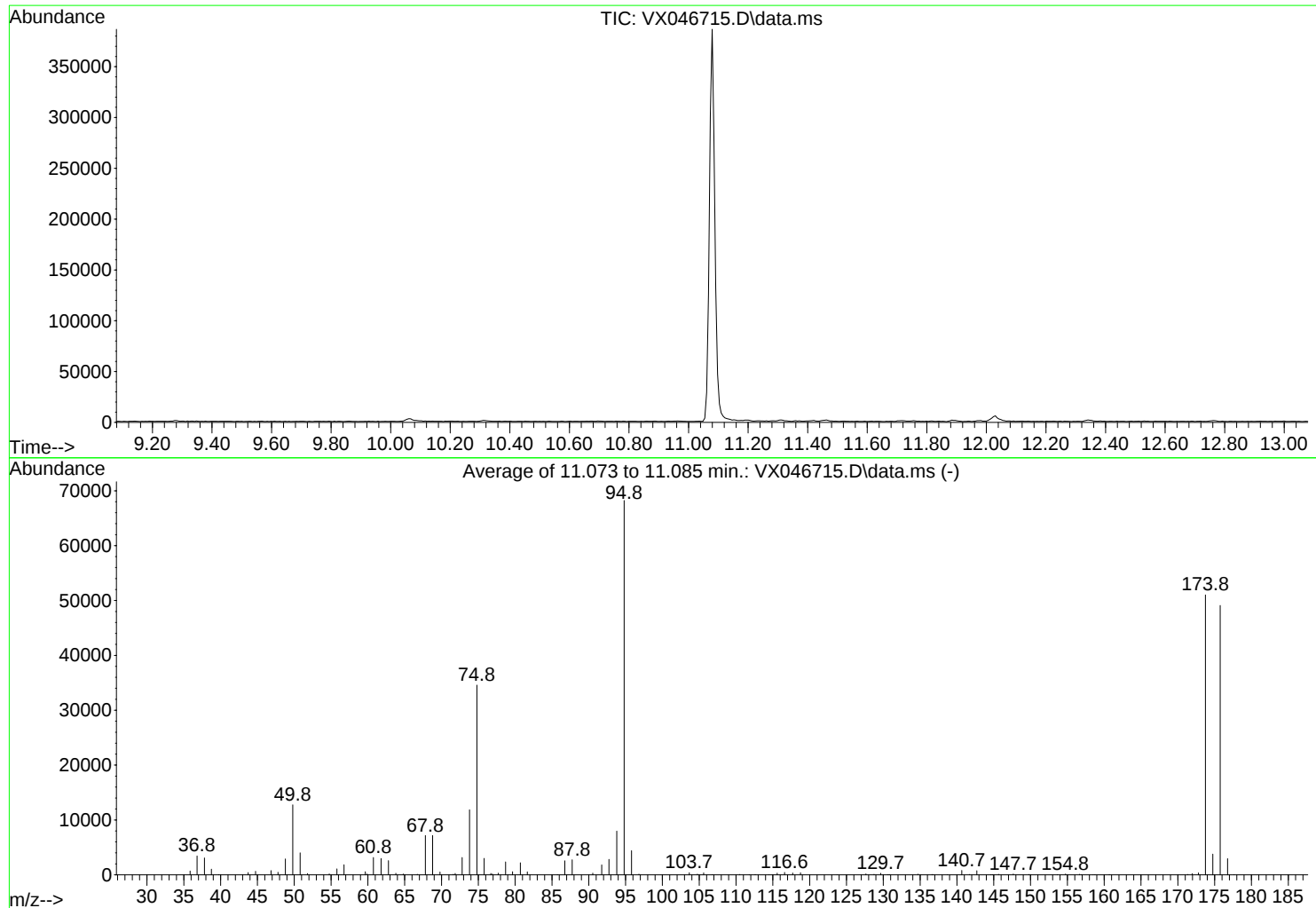
QC SAMPLE DATA

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX061725\
Data File : VX046715.D
Acq On : 17 Jun 2025 08:46
Operator : JC/MD
Sample : BFB
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
BFB

Integration File: RTEINT.P

Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X061725W.M
Title : SW846 8260
Last Update : Wed Jun 18 03:09:16 2025



AutoFind: Scans 1638, 1639, 1640; Background Corrected with Scan 1631

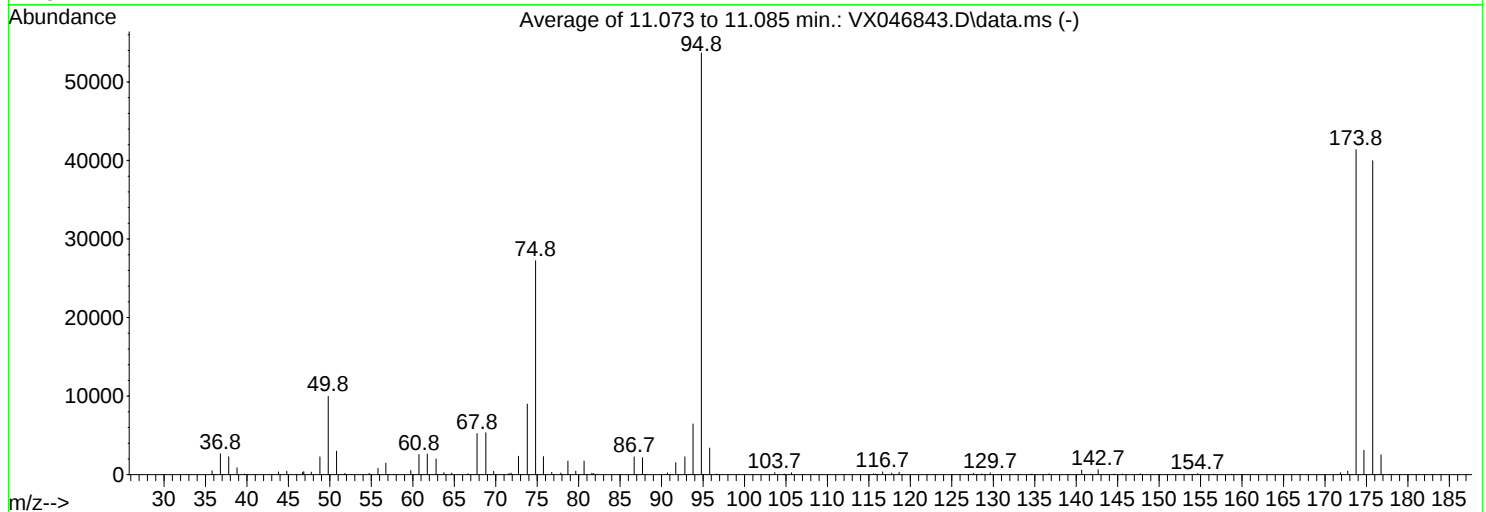
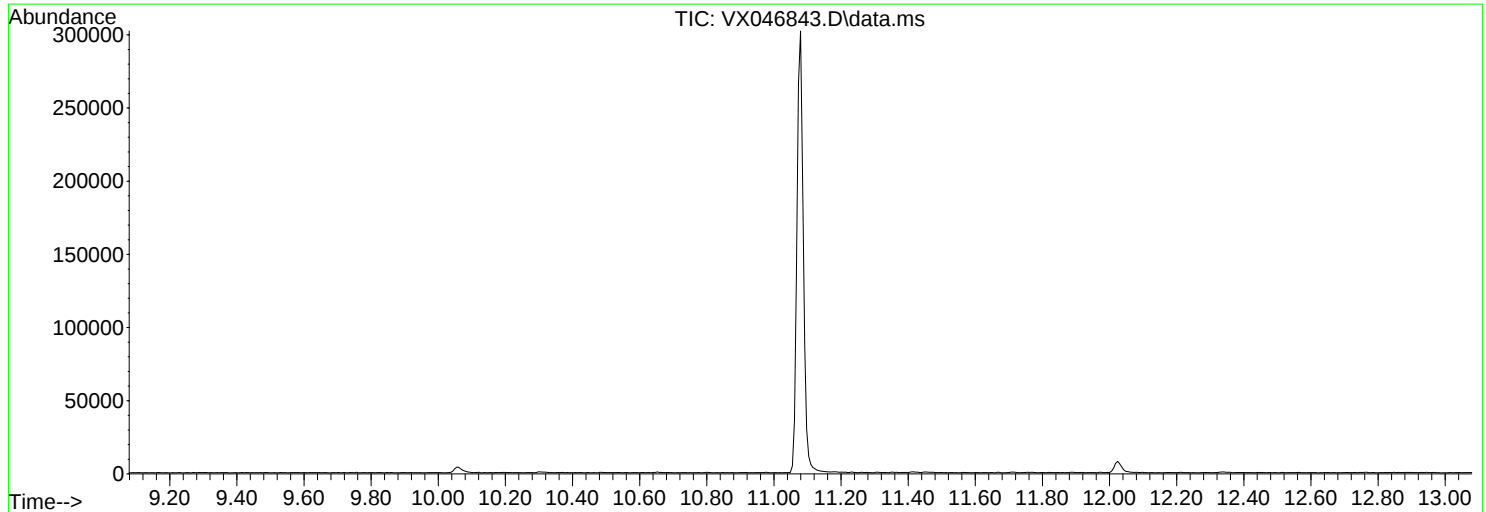
Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	18.7	12764	PASS
75	95	30	60	50.7	34573	PASS
95	95	100	100	100.0	68235	PASS
96	95	5	9	6.5	4402	PASS
173	174	0.00	2	0.7	374	PASS
174	95	50	100	74.8	51016	PASS
175	174	5	9	7.4	3785	PASS
176	174	95	101	96.2	49101	PASS
177	176	5	9	6.0	2956	PASS

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX070125\
Data File : VX046843.D
Acq On : 01 Jul 2025 08:11
Operator : JC/MD
Sample : BFB
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
BFB

Integration File: RTEINT.P

Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X061725W.M
Title : SW846 8260
Last Update : Wed Jun 18 03:09:16 2025



AutoFind: Scans 1638, 1639, 1640; Background Corrected with Scan 1631

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	18.6	9967	PASS
75	95	30	60	50.7	27240	PASS
95	95	100	100	100.0	53701	PASS
96	95	5	9	6.3	3389	PASS
173	174	0.00	2	1.1	441	PASS
174	95	50	100	77.0	41376	PASS
175	174	5	9	7.5	3090	PASS
176	174	95	101	96.6	39968	PASS
177	176	5	9	6.3	2523	PASS

Report of Analysis

Client:	ATG-GREENVILLE AEC	Date Collected:	
Project:	AEC-2025-0013-CSC 4031 Watervliet	Date Received:	
Client Sample ID:	VX0701WBL01	SDG No.:	Q2460
Lab Sample ID:	VX0701WBL01	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-BTEX
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX046846.D	1		07/01/25 09:41	VX070125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
71-43-2	Benzene	0.15	U	0.15	1.00	ug/L
108-88-3	Toluene	0.14	U	0.14	1.00	ug/L
100-41-4	Ethyl Benzene	0.13	U	0.13	1.00	ug/L
179601-23-1	m/p-Xylenes	0.24	U	0.24	2.00	ug/L
95-47-6	o-Xylene	0.12	U	0.12	1.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	49.7		74 - 125	99%	SPK: 50
1868-53-7	Dibromofluoromethane	51.1		75 - 124	102%	SPK: 50
2037-26-5	Toluene-d8	50.5		86 - 113	101%	SPK: 50
460-00-4	4-Bromofluorobenzene	52.2		77 - 121	104%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	141000	5.562			
540-36-3	1,4-Difluorobenzene	239000	6.769			
3114-55-4	Chlorobenzene-d5	217000	10.055			
3855-82-1	1,4-Dichlorobenzene-d4	112000	12.018			

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_X\Data\VX070125\
 Data File : VX046846.D
 Acq On : 01 Jul 2025 09:41
 Operator : JC/MD
 Sample : VX0701WBL01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0701WBL01

Quant Time: Jul 02 01:38:50 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X061725W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 18 03:09:16 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.562	168	140918	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	239139	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	216898	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	112050	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	96904	49.716	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	99.440%
35) Dibromofluoromethane	5.397	113	80899	51.130	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	102.260%
50) Toluene-d8	8.647	98	286964	50.481	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	100.960%
62) 4-Bromofluorobenzene	11.079	95	110590	52.190	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	104.380%

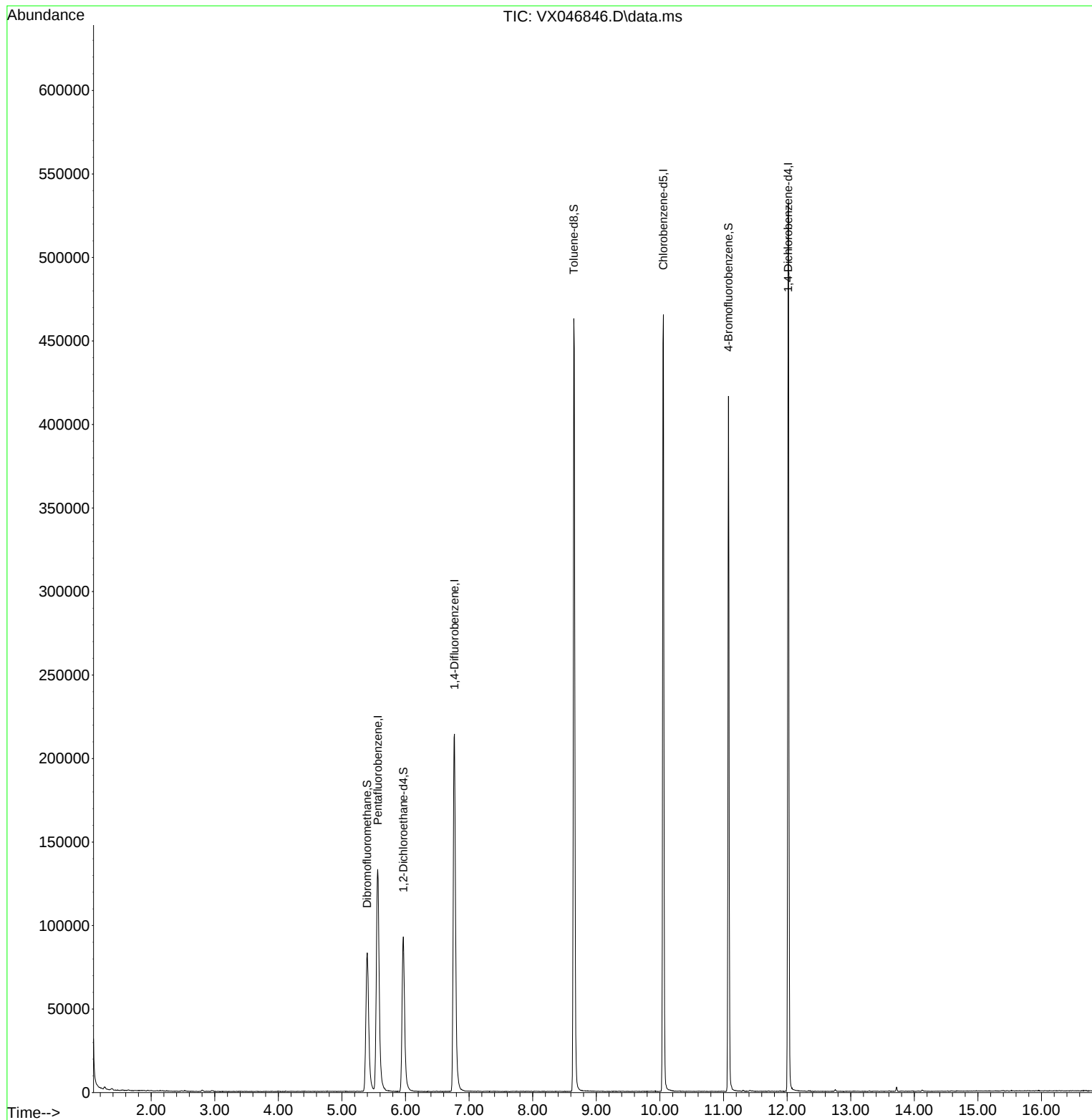
Target Compounds	Qvalue

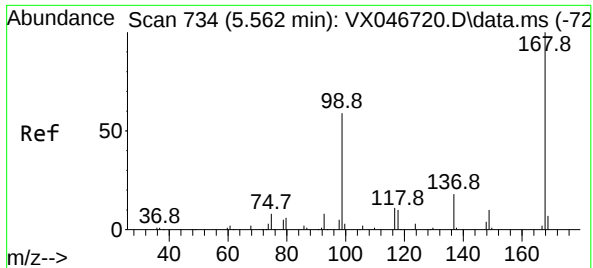
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX070125\
Data File : VX046846.D
Acq On : 01 Jul 2025 09:41
Operator : JC/MD
Sample : VX0701WBL01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0701WBL01

Quant Time: Jul 02 01:38:50 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X061725W.M
Quant Title : SW846 8260
QLast Update : Wed Jun 18 03:09:16 2025
Response via : Initial Calibration

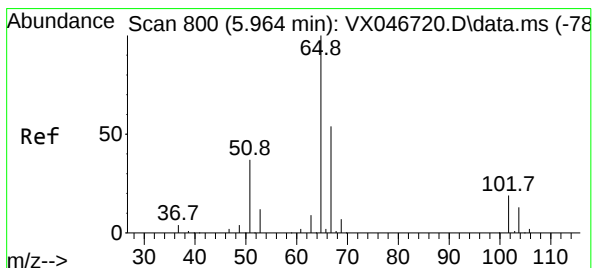
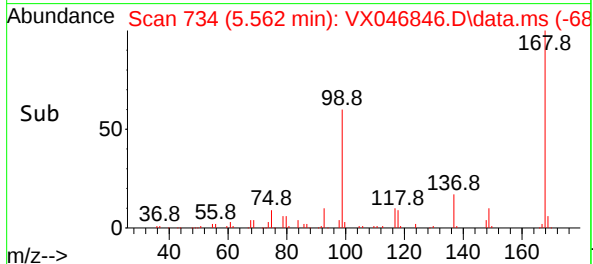
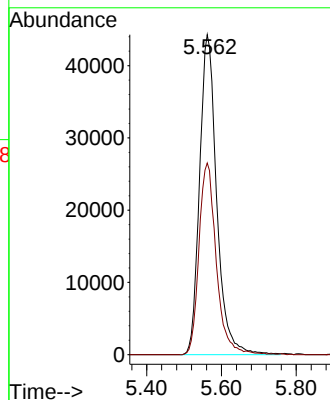
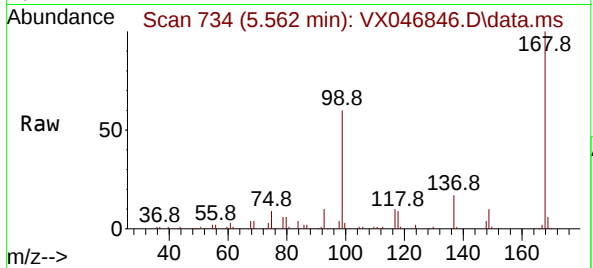




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX046846.D
Acq: 01 Jul 2025 09:41

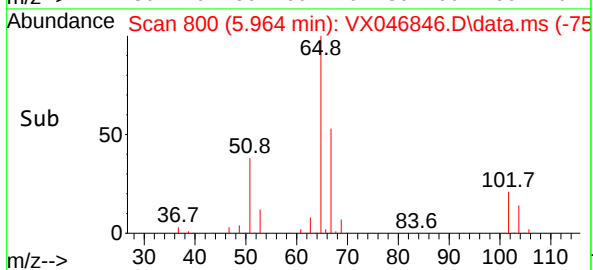
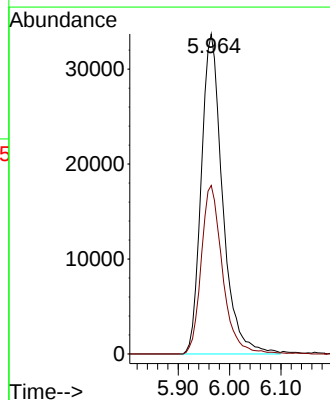
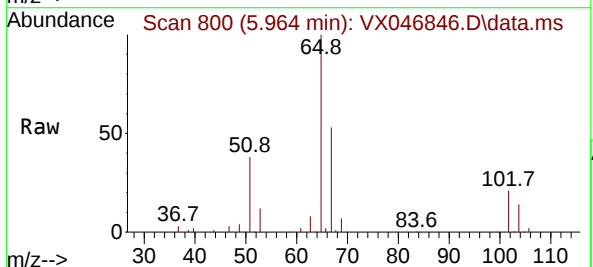
Instrument :
MSVOA_X
ClientSampleId :
VX0701WBL01

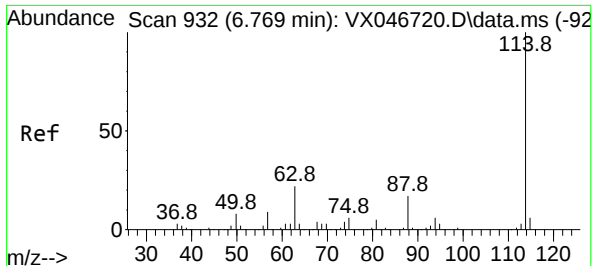
Tgt Ion:168 Resp: 140918
Ion Ratio Lower Upper
168 100
99 59.9 48.5 72.7



#33
1,2-Dichloroethane-d4
Concen: 49.716 ug/l
RT: 5.964 min Scan# 800
Delta R.T. -0.000 min
Lab File: VX046846.D
Acq: 01 Jul 2025 09:41

Tgt Ion: 65 Resp: 96904
Ion Ratio Lower Upper
65 100
67 52.8 0.0 105.4

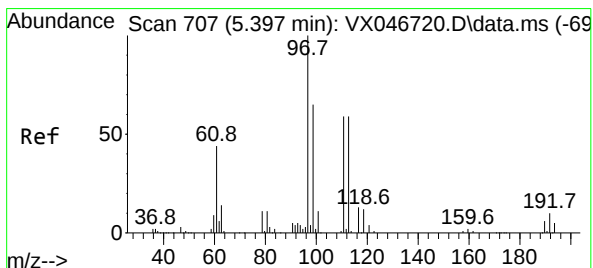
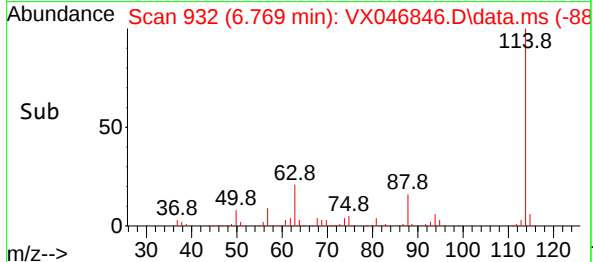
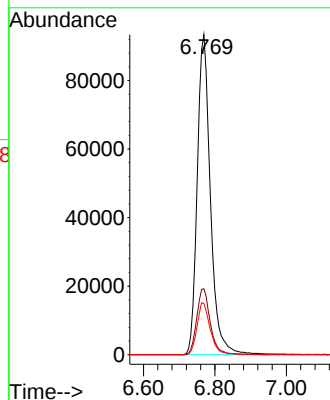
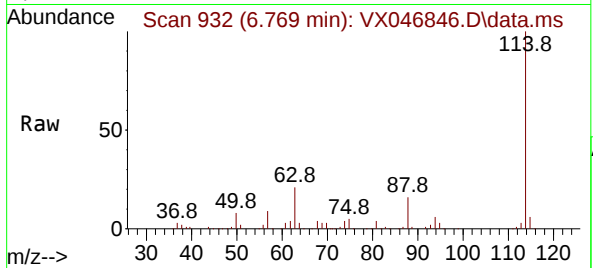




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.769 min Scan# 911
Delta R.T. 0.000 min
Lab File: VX046846.D
Acq: 01 Jul 2025 09:41

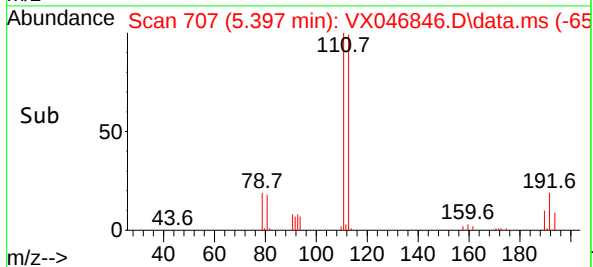
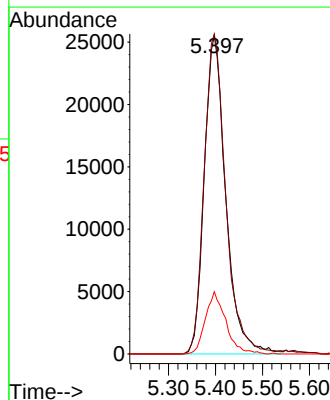
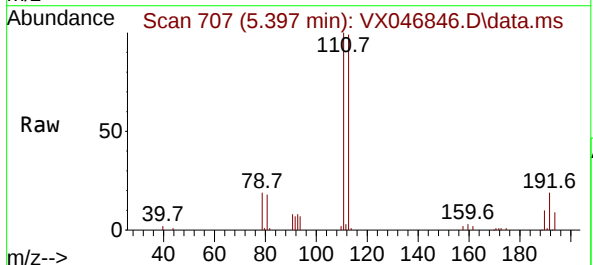
Instrument :
MSVOA_X
ClientSampleId :
VX0701WBL01

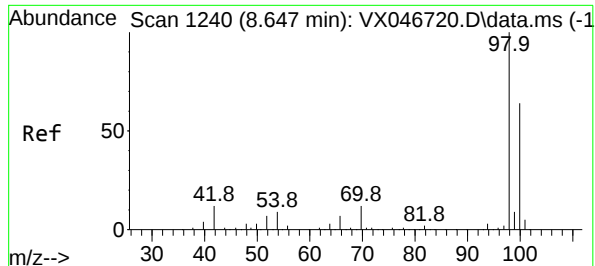
Tgt Ion:114 Resp: 239139
Ion Ratio Lower Upper
114 100
63 20.6 0.0 44.2
88 16.0 0.0 33.2



#35
Dibromofluoromethane
Concen: 51.130 ug/l
RT: 5.397 min Scan# 707
Delta R.T. -0.000 min
Lab File: VX046846.D
Acq: 01 Jul 2025 09:41

Tgt Ion:113 Resp: 80899
Ion Ratio Lower Upper
113 100
111 101.2 82.0 123.0
192 18.6 15.3 22.9





#50

Toluene-d8

Concen: 50.481 ug/l

RT: 8.647 min Scan# 1

Delta R.T. -0.000 min

Lab File: VX046846.D

Acq: 01 Jul 2025 09:41

Instrument :

MSVOA_X

ClientSampleId :

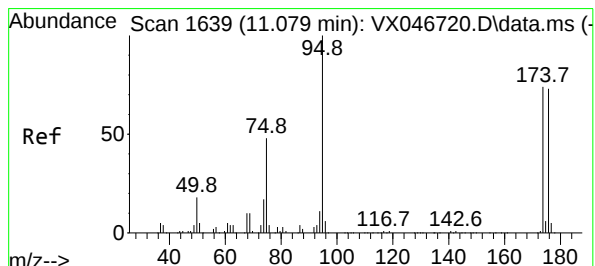
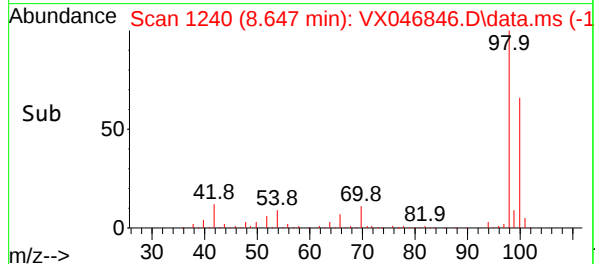
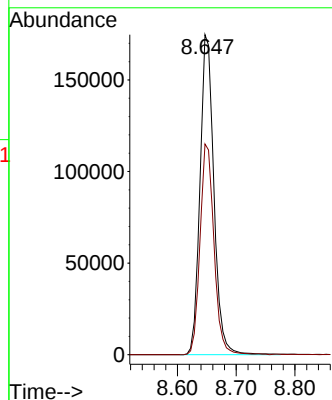
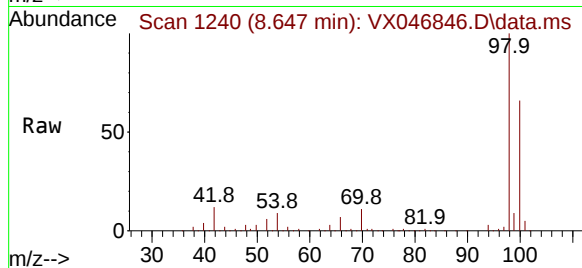
VX0701WBL01

Tgt Ion: 98 Resp: 286964

Ion Ratio Lower Upper

98 100

100 66.3 53.0 79.4



#62

4-Bromofluorobenzene

Concen: 52.190 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.000 min

Lab File: VX046846.D

Acq: 01 Jul 2025 09:41

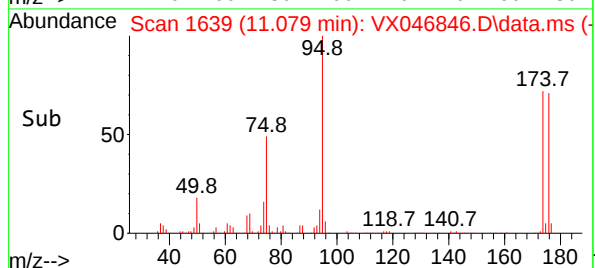
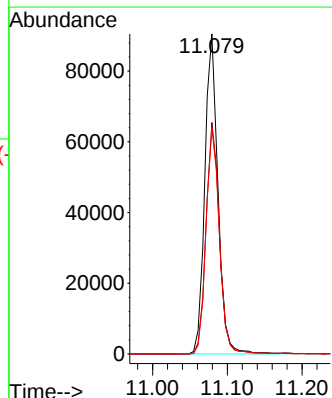
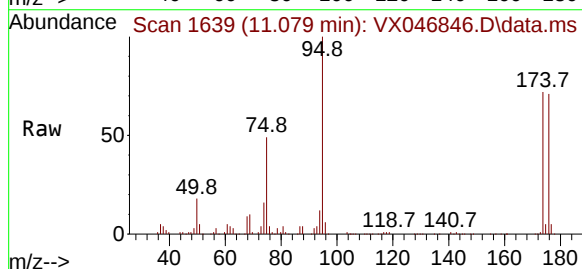
Tgt Ion: 95 Resp: 110590

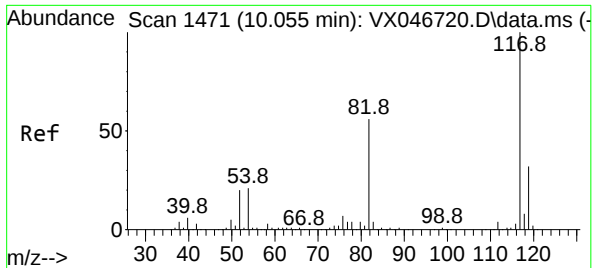
Ion Ratio Lower Upper

95 100

174 73.6 0.0 150.4

176 71.8 0.0 145.0

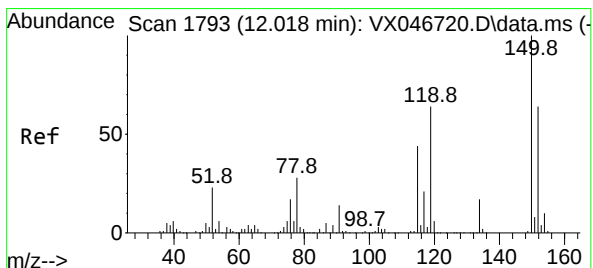
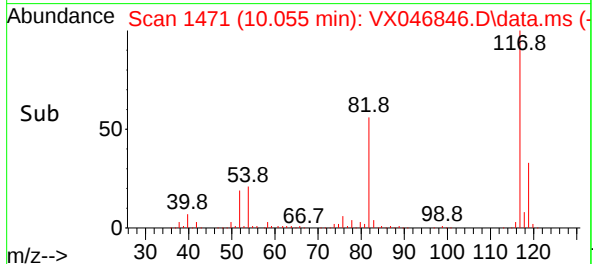
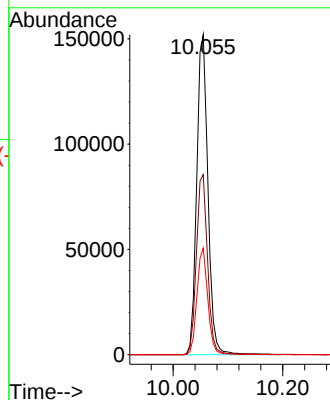
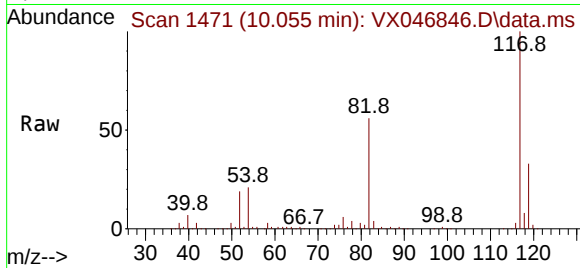




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX046846.D
Acq: 01 Jul 2025 09:41

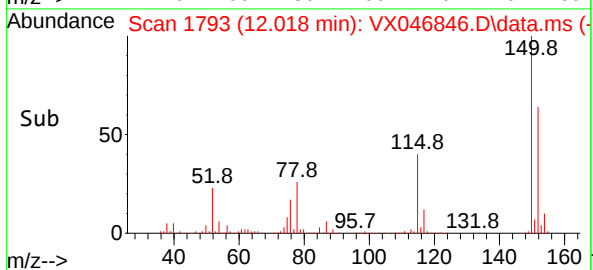
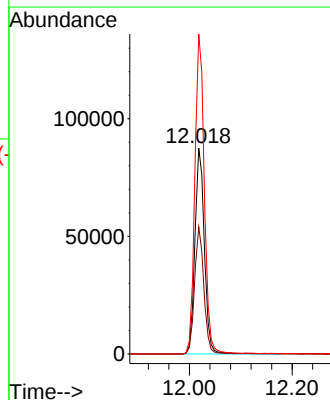
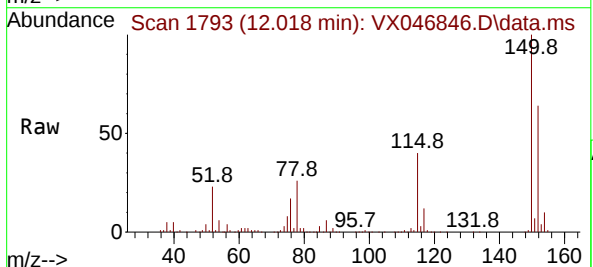
Instrument :
MSVOA_X
ClientSampleId :
VX0701WBL01

Tgt Ion:117 Resp: 216898
Ion Ratio Lower Upper
117 100
82 56.3 44.6 66.8
119 33.3 25.8 38.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. -0.000 min
Lab File: VX046846.D
Acq: 01 Jul 2025 09:41

Tgt Ion:152 Resp: 112050
Ion Ratio Lower Upper
152 100
115 60.5 43.2 129.6
150 155.3 0.0 346.8



Report of Analysis

Client:	ATG-GREENVILLE AEC	Date Collected:	
Project:	AEC-2025-0013-CSC 4031 Watervliet	Date Received:	
Client Sample ID:	VX0701WBS01	SDG No.:	Q2460
Lab Sample ID:	VX0701WBS01	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-BTEX
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX046847.D	1		07/01/25 10:15	VX070125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
71-43-2	Benzene	19.4		0.15	1.00	ug/L
108-88-3	Toluene	19.6		0.14	1.00	ug/L
100-41-4	Ethyl Benzene	19.2		0.13	1.00	ug/L
179601-23-1	m/p-Xylenes	39.3		0.24	2.00	ug/L
95-47-6	o-Xylene	19.8		0.12	1.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	42.7		74 - 125	85%	SPK: 50
1868-53-7	Dibromofluoromethane	46.8		75 - 124	94%	SPK: 50
2037-26-5	Toluene-d8	47.2		86 - 113	94%	SPK: 50
460-00-4	4-Bromofluorobenzene	48.0		77 - 121	96%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	145000	5.556			
540-36-3	1,4-Difluorobenzene	237000	6.763			
3114-55-4	Chlorobenzene-d5	212000	10.049			
3855-82-1	1,4-Dichlorobenzene-d4	107000	12.018			

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_X\Data\VX070125\
 Data File : VX046847.D
 Acq On : 01 Jul 2025 10:15
 Operator : JC/MD
 Sample : VX0701WBS01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0701WBS01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 07/03/2025
 Supervised By : Mahesh Dadoda 07/03/2025

Quant Time: Jul 02 01:38:59 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X061725W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 18 03:09:16 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.556	168	144669	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	236747	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	211980	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	107120	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	85499	42.727	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	85.460%		
35) Dibromofluoromethane	5.385	113	73248	46.762	ug/l	-0.01
Spiked Amount 50.000	Range 75 - 124		Recovery =	93.520%		
50) Toluene-d8	8.647	98	265900	47.248	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	94.500%		
62) 4-Bromofluorobenzene	11.079	95	100708	48.006	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	96.020%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.179	85	28247	18.288	ug/l	98
3) Chloromethane	1.307	50	30247	18.143	ug/l	95
4) Vinyl Chloride	1.386	62	32774	18.435	ug/l	97
5) Bromomethane	1.630	94	22276	22.271	ug/l	94
6) Chloroethane	1.703	64	20765	19.272	ug/l	95
7) Trichlorofluoromethane	1.904	101	49540	18.352	ug/l	100
8) Diethyl Ether	2.142	74	17657	19.060	ug/l	96
9) 1,1,2-Trichlorotrifluo...	2.343	101	32431	19.584	ug/l	97
10) Methyl Iodide	2.465	142	30766	17.889	ug/l	97
11) Tert butyl alcohol	2.953	59	12515	69.681	ug/l	100
12) 1,1-Dichloroethene	2.337	96	30579	19.137	ug/l	94
13) Acrolein	2.246	56	18977	72.541	ug/l	99
14) Allyl chloride	2.678	41	53830	18.593	ug/l	97
15) Acrylonitrile	3.069	53	69904	86.557	ug/l	100
16) Acetone	2.386	43	55733	83.521	ug/l	99
17) Carbon Disulfide	2.526	76	79319	16.438	ug/l	98
18) Methyl Acetate	2.709	43	30102	17.761	ug/l	99
19) Methyl tert-butyl Ether	3.117	73	86580	17.401	ug/l	99
20) Methylene Chloride	2.800	84	34764	18.733	ug/l	98
21) trans-1,2-Dichloroethene	3.105	96	31161	18.225	ug/l	99
22) Diisopropyl ether	3.764	45	110367	19.833	ug/l	97
23) Vinyl Acetate	3.727	43	395927	89.470	ug/l	100
24) 1,1-Dichloroethane	3.617	63	60361	19.104	ug/l	97
25) 2-Butanone	4.556	43	76917	81.501	ug/l	98
26) 2,2-Dichloropropane	4.477	77	43669	18.950	ug/l	99
27) cis-1,2-Dichloroethene	4.501	96	38818	19.324	ug/l	98
28) Bromochloromethane	4.904	49	26236	18.316	ug/l	98
29) Tetrahydrofuran	5.007	42	48545	79.637	ug/l	99
30) Chloroform	5.099	83	61727	19.535	ug/l	96
31) Cyclohexane	5.477	56	54681	18.249	ug/l	95
32) 1,1,1-Trichloroethane	5.385	97	50987	18.399	ug/l	99
36) 1,1-Dichloropropene	5.702	75	42998	19.016	ug/l	99
37) Ethyl Acetate	4.721	43	33855	16.221	ug/l	98
38) Carbon Tetrachloride	5.678	117	45392	18.498	ug/l	99
39) Methylcyclohexane	7.379	83	54196	18.214	ug/l	98
40) Benzene	6.044	78	129923	19.415	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX070125\
 Data File : VX046847.D
 Acq On : 01 Jul 2025 10:15
 Operator : JC/MD
 Sample : VX0701WBS01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0701WBS01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 07/03/2025
 Supervised By : Mahesh Dadoda 07/03/2025

Quant Time: Jul 02 01:38:59 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X061725W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 18 03:09:16 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.928	41	19694	17.699	ug/l	96
42) 1,2-Dichloroethane	6.092	62	43907	18.671	ug/l	98
43) Isopropyl Acetate	6.342	43	55123	16.878	ug/l	98
44) Trichloroethene	7.129	130	33249	19.496	ug/l	100
45) 1,2-Dichloropropane	7.434	63	32623	19.671	ug/l	93
46) Dibromomethane	7.580	93	22495	18.873	ug/l	98
47) Bromodichloromethane	7.818	83	47654	19.592	ug/l	99
48) Methyl methacrylate	7.696	41	28819	17.594	ug/l	99
49) 1,4-Dioxane	7.659	88	7096	317.600	ug/l	93
51) 4-Methyl-2-Pentanone	8.568	43	168639	86.574	ug/l	98
52) Toluene	8.714	92	81404	19.622	ug/l	98
53) t-1,3-Dichloropropene	8.976	75	42053	18.634	ug/l	96
54) cis-1,3-Dichloropropene	8.366	75	48113	18.780	ug/l	99
55) 1,1,2-Trichloroethane	9.147	97	30123	19.485	ug/l	97
56) Ethyl methacrylate	9.116	69	40906	17.924	ug/l	99
57) 1,3-Dichloropropane	9.305	76	50824	19.090	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.238	63	111624	94.159	ug/l	99
59) 2-Hexanone	9.427	43	112961	83.882	ug/l	100
60) Dibromochloromethane	9.519	129	35409	19.435	ug/l	99
61) 1,2-Dibromoethane	9.610	107	29771	18.932	ug/l	99
64) Tetrachloroethene	9.269	164	27816	18.940	ug/l	96
65) Chlorobenzene	10.080	112	90984	19.444	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.159	131	30642	19.484	ug/l	98
67) Ethyl Benzene	10.189	91	156711	19.167	ug/l	99
68) m/p-Xylenes	10.299	106	119679	39.284	ug/l	100
69) o-Xylene	10.640	106	56578	19.817	ug/l	98
70) Styrene	10.653	104	99223	19.859	ug/l	99
71) Bromoform	10.799	173	22206	18.541	ug/l #	98
73) Isopropylbenzene	10.957	105	152207	19.293	ug/l	100
74) N-amyl acetate	10.842	43	49829	16.670	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.207	83	40558	18.411	ug/l	99
76) 1,2,3-Trichloropropane	11.238	75	32540m	16.586	ug/l	
77) Bromobenzene	11.195	156	37035	19.508	ug/l	98
78) n-propylbenzene	11.299	91	182113	19.434	ug/l	100
79) 2-Chlorotoluene	11.360	91	107457	19.207	ug/l	99
80) 1,3,5-Trimethylbenzene	11.451	105	126405	19.497	ug/l	100
81) trans-1,4-Dichloro-2-b...	11.018	75	11515	16.590	ug/l	95
82) 4-Chlorotoluene	11.451	91	126101	19.312	ug/l	100
83) tert-Butylbenzene	11.713	119	127579	19.037	ug/l	98
84) 1,2,4-Trimethylbenzene	11.750	105	125478	19.264	ug/l	99
85) sec-Butylbenzene	11.890	105	161659	19.087	ug/l	100
86) p-Isopropyltoluene	12.006	119	135899	19.017	ug/l	100
87) 1,3-Dichlorobenzene	11.969	146	70592	19.070	ug/l	99
88) 1,4-Dichlorobenzene	12.037	146	72288	19.012	ug/l	99
89) n-Butylbenzene	12.329	91	126507	18.645	ug/l	100
90) Hexachloroethane	12.536	117	22995	18.376	ug/l	99
91) 1,2-Dichlorobenzene	12.329	146	66272	19.158	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.939	75	7038	16.183	ug/l	98
93) 1,2,4-Trichlorobenzene	13.585	180	44819	18.224	ug/l	99
94) Hexachlorobutadiene	13.719	225	17884	17.287	ug/l	97
95) Naphthalene	13.774	128	121052	17.277	ug/l	100
96) 1,2,3-Trichlorobenzene	13.957	180	42825	18.202	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX070125\
Data File : VX046847.D
Acq On : 01 Jul 2025 10:15
Operator : JC/MD
Sample : VX0701WBS01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0701WBS01

Manual Integrations
APPROVED

Reviewed By :John Carlone 07/03/2025
Supervised By :Mahesh Dadoda 07/03/2025

Quant Time: Jul 02 01:38:59 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X061725W.M
Quant Title : SW846 8260
QLast Update : Wed Jun 18 03:09:16 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

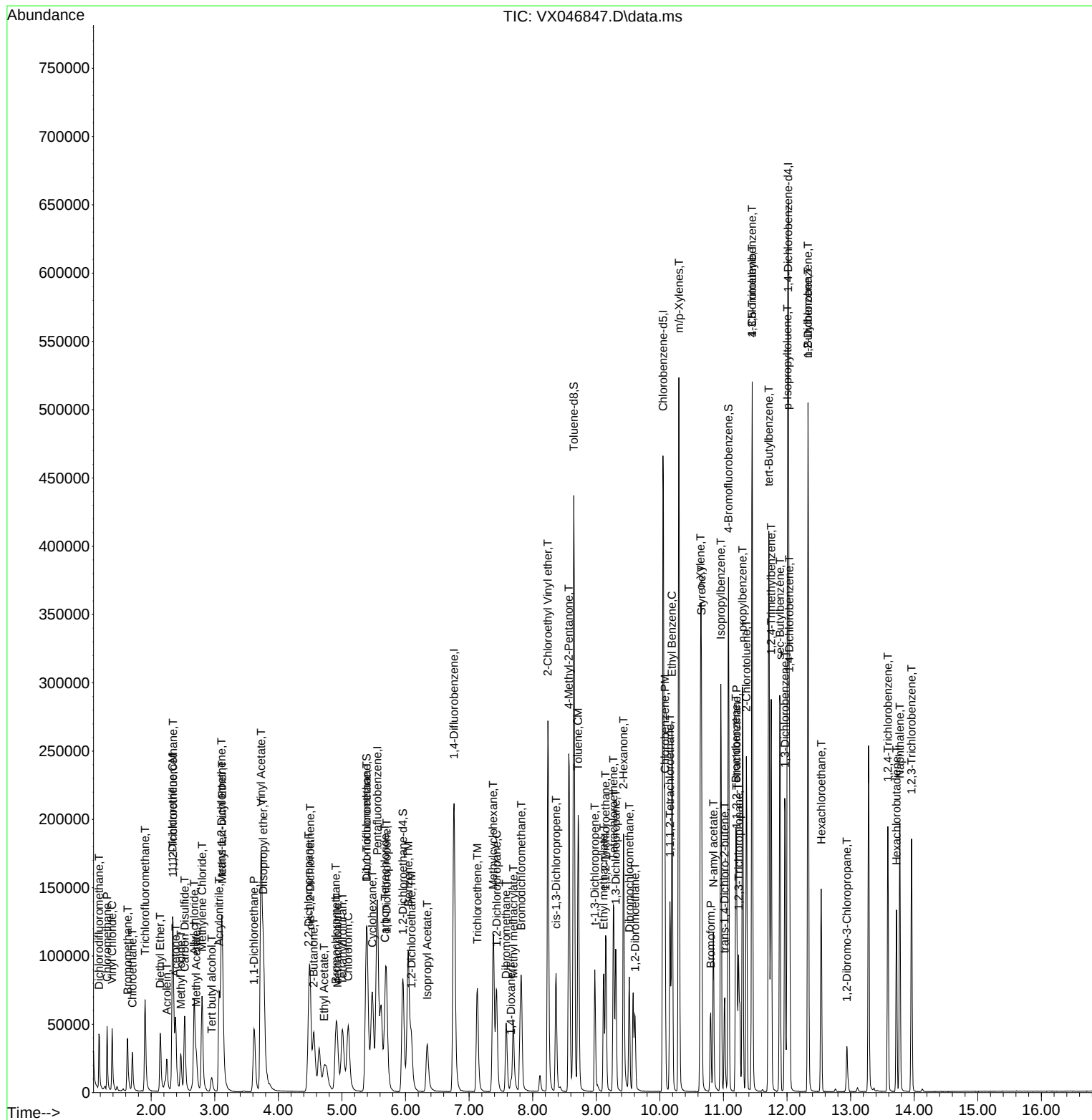
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX070125\
Data File : VX046847.D
Acq On : 01 Jul 2025 10:15
Operator : JC/MD
Sample : VX0701WBS01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0701WBS01

Manual Integrations APPROVED

Reviewed By :John Carlone 07/03/2025
Supervised By :Mahesh Dadoda 07/03/2025

Quant Time: Jul 02 01:38:59 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X061725W.M
Quant Title : SW846 8260
QLast Update : Wed Jun 18 03:09:16 2025
Response via : Initial Calibration



Report of Analysis

Client:	ATG-GREENVILLE AEC			Date Collected:	
Project:	AEC-2025-0013-CSC 4031 Watervliet			Date Received:	
Client Sample ID:	VX0701WBSD01			SDG No.:	Q2460
Lab Sample ID:	VX0701WBSD01			Matrix:	Water
Analytical Method:	8260D			% Solid:	0
Sample Wt/Vol:	5	Units:	mL	Final Vol:	5000 uL
Soil Aliquot Vol:			uL	Test:	VOC-BTEX
GC Column:	DB-624UI	ID :	0.18	Level :	LOW
Prep Method :					

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX046848.D	1		07/01/25 10:42	VX070125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
71-43-2	Benzene	19.4		0.15	1.00	ug/L
108-88-3	Toluene	19.9		0.14	1.00	ug/L
100-41-4	Ethyl Benzene	18.9		0.13	1.00	ug/L
179601-23-1	m/p-Xylenes	39.2		0.24	2.00	ug/L
95-47-6	o-Xylene	19.9		0.12	1.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	45.2		74 - 125	90%	SPK: 50
1868-53-7	Dibromofluoromethane	48.3		75 - 124	97%	SPK: 50
2037-26-5	Toluene-d8	47.9		86 - 113	96%	SPK: 50
460-00-4	4-Bromofluorobenzene	49.0		77 - 121	98%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	135000	5.556			
540-36-3	1,4-Difluorobenzene	221000	6.763			
3114-55-4	Chlorobenzene-d5	201000	10.049			
3855-82-1	1,4-Dichlorobenzene-d4	102000	12.018			

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 OC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX070125\
 Data File : VX046848.D
 Acq On : 01 Jul 2025 10:42
 Operator : JC/MD
 Sample : VX0701WBSD01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0701WBSD01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 07/03/2025
 Supervised By : Mahesh Dadoda 07/03/2025

Quant Time: Jul 02 01:39:25 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X061725W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 18 03:09:16 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.556	168	134985	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	220693	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	201379	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	102368	50.000	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.958	65	84454	45.233	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	90.460%
35) Dibromofluoromethane	5.391	113	70489	48.274	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	96.540%
50) Toluene-d8	8.647	98	251374	47.917	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	95.840%
62) 4-Bromofluorobenzene	11.079	95	95869	49.024	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	98.040%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.179	85	25196	17.483	ug/l	96
3) Chloromethane	1.307	50	27301	17.551	ug/l	97
4) Vinyl Chloride	1.386	62	29247	17.632	ug/l	94
5) Bromomethane	1.624	94	20673	22.152	ug/l	99
6) Chloroethane	1.703	64	18811	18.711	ug/l	95
7) Trichlorofluoromethane	1.904	101	44549	17.687	ug/l	93
8) Diethyl Ether	2.142	74	16505	19.095	ug/l	97
9) 1,1,2-Trichlorotrifluo...	2.349	101	28863	18.680	ug/l	99
10) Methyl Iodide	2.465	142	30780	18.868	ug/l	97
11) Tert butyl alcohol	2.953	59	12078	72.073	ug/l	97
12) 1,1-Dichloroethene	2.337	96	27563	18.487	ug/l	99
13) Acrolein	2.245	56	18189	74.516	ug/l	95
14) Allyl chloride	2.678	41	50079	18.538	ug/l	98
15) Acrylonitrile	3.069	53	68513	90.921	ug/l	99
16) Acetone	2.386	43	51848	83.273	ug/l	98
17) Carbon Disulfide	2.526	76	70242	15.601	ug/l	100
18) Methyl Acetate	2.709	43	30157	19.070	ug/l	98
19) Methyl tert-butyl Ether	3.123	73	84831	18.273	ug/l	100
20) Methylene Chloride	2.800	84	32564	18.807	ug/l	97
21) trans-1,2-Dichloroethene	3.105	96	29341	18.391	ug/l	97
22) Diisopropyl ether	3.770	45	103985	20.026	ug/l	90
23) Vinyl Acetate	3.727	43	385741	93.421	ug/l	99
24) 1,1-Dichloroethane	3.617	63	55095	18.688	ug/l	99
25) 2-Butanone	4.556	43	75452	85.685	ug/l	99
26) 2,2-Dichloropropane	4.489	77	40516	18.843	ug/l	100
27) cis-1,2-Dichloroethene	4.501	96	35763	19.081	ug/l	99
28) Bromochloromethane	4.904	49	25644	19.187	ug/l	99
29) Tetrahydrofuran	5.007	42	49548	87.114	ug/l	99
30) Chloroform	5.099	83	58014	19.677	ug/l	94
31) Cyclohexane	5.477	56	50366	18.015	ug/l	94
32) 1,1,1-Trichloroethane	5.391	97	47579	18.401	ug/l	99
36) 1,1-Dichloropropene	5.702	75	38838	18.426	ug/l	99
37) Ethyl Acetate	4.721	43	32328	16.616	ug/l	96
38) Carbon Tetrachloride	5.684	117	42660	18.649	ug/l	99
39) Methylcyclohexane	7.385	83	49822	17.962	ug/l	98
40) Benzene	6.044	78	121241	19.436	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX070125\
 Data File : VX046848.D
 Acq On : 01 Jul 2025 10:42
 Operator : JC/MD
 Sample : VX0701WBSD01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0701WBSD01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 07/03/2025
 Supervised By : Mahesh Dadoda 07/03/2025

Quant Time: Jul 02 01:39:25 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X061725W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 18 03:09:16 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.928	41	19947	19.231	ug/l	95
42) 1,2-Dichloroethane	6.086	62	42060	19.187	ug/l	98
43) Isopropyl Acetate	6.342	43	54078	17.762	ug/l	99
44) Trichloroethene	7.129	130	30024	18.886	ug/l	94
45) 1,2-Dichloropropane	7.434	63	30964	20.029	ug/l	95
46) Dibromomethane	7.586	93	21776	19.599	ug/l	99
47) Bromodichloromethane	7.818	83	45241	19.953	ug/l	99
48) Methyl methacrylate	7.696	41	29135	19.081	ug/l	98
49) 1,4-Dioxane	7.665	88	6917	330.821	ug/l	96
51) 4-Methyl-2-Pentanone	8.568	43	169263	93.215	ug/l	99
52) Toluene	8.714	92	76961	19.901	ug/l	100
53) t-1,3-Dichloropropene	8.976	75	40890	19.437	ug/l	97
54) cis-1,3-Dichloropropene	8.366	75	46543	19.489	ug/l	100
55) 1,1,2-Trichloroethane	9.147	97	29210	20.269	ug/l	97
56) Ethyl methacrylate	9.116	69	40718	19.140	ug/l	99
57) 1,3-Dichloropropane	9.305	76	50134	20.201	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.238	63	110282	99.794	ug/l	99
59) 2-Hexanone	9.427	43	114656	91.334	ug/l	98
60) Dibromochloromethane	9.519	129	34601	20.373	ug/l	99
61) 1,2-Dibromoethane	9.610	107	29282	19.975	ug/l	99
64) Tetrachloroethene	9.269	164	26317	18.863	ug/l	97
65) Chlorobenzene	10.079	112	85978	19.341	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.159	131	28886	19.335	ug/l	97
67) Ethyl Benzene	10.189	91	146786	18.898	ug/l	99
68) m/p-Xylenes	10.299	106	113592	39.249	ug/l	98
69) o-Xylene	10.640	106	53955	19.893	ug/l	97
70) Styrene	10.653	104	94440	19.896	ug/l	98
71) Bromoform	10.799	173	21946	19.288	ug/l #	98
73) Isopropylbenzene	10.957	105	143898	19.086	ug/l	100
74) N-amyl acetate	10.842	43	51415	17.999	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.207	83	40206	19.099	ug/l	100
76) 1,2,3-Trichloropropane	11.238	75	32495m	17.332	ug/l	
77) Bromobenzene	11.195	156	35064	19.327	ug/l	98
78) n-propylbenzene	11.299	91	171043	19.100	ug/l	100
79) 2-Chlorotoluene	11.360	91	102310	19.135	ug/l	100
80) 1,3,5-Trimethylbenzene	11.451	105	117578	18.978	ug/l	99
81) trans-1,4-Dichloro-2-b...	11.018	75	11580	17.458	ug/l	98
82) 4-Chlorotoluene	11.451	91	119868	19.210	ug/l	99
83) tert-Butylbenzene	11.713	119	120297	18.784	ug/l	99
84) 1,2,4-Trimethylbenzene	11.750	105	120607	19.375	ug/l	99
85) sec-Butylbenzene	11.884	105	153024	18.906	ug/l	99
86) p-Isopropyltoluene	12.006	119	127562	18.679	ug/l	99
87) 1,3-Dichlorobenzene	11.963	146	68264	19.297	ug/l	100
88) 1,4-Dichlorobenzene	12.036	146	68897	18.961	ug/l	98
89) n-Butylbenzene	12.329	91	120131	18.527	ug/l	99
90) Hexachloroethane	12.536	117	20965	17.531	ug/l	97
91) 1,2-Dichlorobenzene	12.335	146	65015	19.667	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.939	75	6956	16.737	ug/l	95
93) 1,2,4-Trichlorobenzene	13.585	180	43183	18.374	ug/l	97
94) Hexachlorobutadiene	13.725	225	17412	17.612	ug/l	99
95) Naphthalene	13.774	128	120273	17.962	ug/l	100
96) 1,2,3-Trichlorobenzene	13.957	180	41840	18.609	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX070125\
Data File : VX046848.D
Acq On : 01 Jul 2025 10:42
Operator : JC/MD
Sample : VX0701WBSD01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0701WBSD01

Manual Integrations
APPROVED

Reviewed By :John Carlone 07/03/2025
Supervised By :Mahesh Dadoda 07/03/2025

Quant Time: Jul 02 01:39:25 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X061725W.M
Quant Title : SW846 8260
QLast Update : Wed Jun 18 03:09:16 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

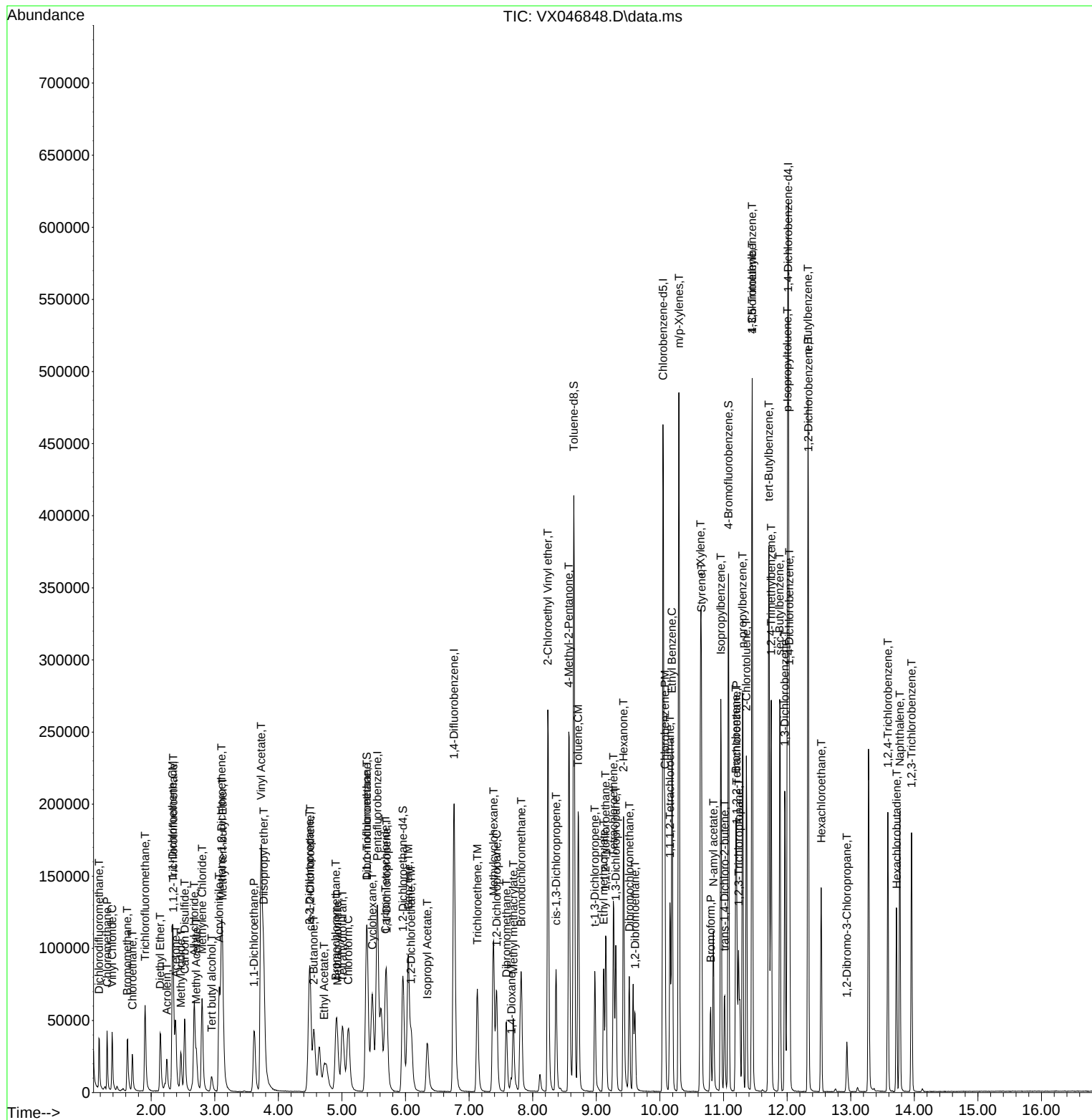
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX070125\
Data File : VX046848.D
Acq On : 01 Jul 2025 10:42
Operator : JC/MD
Sample : VX0701WBSD01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0701WBSD01

Manual Integrations
APPROVED

Reviewed By : John Carlone 07/03/2025
Supervised By : Mahesh Dadoda 07/03/2025

Quant Time: Jul 02 01:39:25 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X061725W.M
Quant Title : SW846 8260
QLast Update : Wed Jun 18 03:09:16 2025
Response via : Initial Calibration



Manual Integration Report

Sequence:	vx061725	Instrument	MSVOA_x
-----------	----------	------------	---------

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDICC005	VX046718.D	1,2,3-Trichloropropane	Sam	6/18/2025 5:26:54 PM	MMDadoda	6/18/2025 6:21:14 PM	Peak Integrated by Software
VSTDICC020	VX046719.D	1,2,3-Trichloropropane	Sam	6/18/2025 5:27:04 PM	MMDadoda	6/18/2025 6:21:20 PM	Peak Integrated by Software
VSTDICCC050	VX046720.D	1,2,3-Trichloropropane	Sam	6/18/2025 5:27:12 PM	MMDadoda	6/18/2025 6:21:32 PM	Peak Integrated by Software
VSTDICC100	VX046721.D	1,2,3-Trichloropropane	Sam	6/18/2025 5:27:20 PM	MMDadoda	6/18/2025 6:21:40 PM	Peak Integrated by Software
VSTDICC150	VX046722.D	1,2,3-Trichloropropane	Sam	6/18/2025 5:27:27 PM	MMDadoda	6/18/2025 6:21:48 PM	Peak Integrated by Software
VSTDICC001	VX046725.D	1,2,3-Trichloropropane	Sam	6/18/2025 5:27:40 PM	MMDadoda	6/18/2025 6:22:02 PM	Peak Integrated by Software
VSTDICC001	VX046725.D	1,4-Dichlorobenzene	Sam	6/18/2025 5:27:40 PM	MMDadoda	6/18/2025 6:22:02 PM	Peak Integrated by Software
VSTDICC001	VX046725.D	2,2-Dichloropropane	Sam	6/18/2025 5:27:40 PM	MMDadoda	6/18/2025 6:22:02 PM	Peak Integrated by Software
VSTDICC001	VX046725.D	Chloroform	Sam	6/18/2025 5:27:40 PM	MMDadoda	6/18/2025 6:22:02 PM	Peak Integrated by Software
VSTDICC001	VX046725.D	Ethyl Acetate	Sam	6/18/2025 5:27:40 PM	MMDadoda	6/18/2025 6:22:02 PM	Peak Integrated by Software
VSTDICC001	VX046725.D	Methacrylonitrile	Sam	6/18/2025 5:27:40 PM	MMDadoda	6/18/2025 6:22:02 PM	Peak Integrated by Software
VSTDICV050	VX046726.D	1,2,3-Trichloropropane	Sam	6/18/2025 5:27:47 PM	MMDadoda	6/18/2025 6:22:09 PM	Peak Integrated by Software



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

Manual Integration Report

Sequence:

vx061725

Instrument

MSVOA_x

Sample ID

File ID

Parameter

Review By

Review On

Supervised
By

Supervised On

Reason

Manual Integration Report

Sequence:

VX070125

Instrument

MSVOA_x

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDCCC050	VX046844.D	1,2,3-Trichloropropane	JOHN	7/3/2025 8:44:42 AM	MMDadoda	7/3/2025 3:07:53 PM	Peak Integrated by Software
VX0701WBS01	VX046847.D	1,2,3-Trichloropropane	JOHN	7/3/2025 8:44:46 AM	MMDadoda	7/3/2025 3:07:55 PM	Peak Integrated by Software
VX0701WBSD0 1	VX046848.D	1,2,3-Trichloropropane	JOHN	7/3/2025 8:44:50 AM	MMDadoda	7/3/2025 3:07:57 PM	Peak Integrated by Software
VSTDCCC050	VX046858.D	1,2,3-Trichloropropane	JOHN	7/3/2025 8:44:57 AM	MMDadoda	7/3/2025 3:07:59 PM	Peak Integrated by Software

Instrument ID: **MSVOA_X**

Daily Analysis Runlog For Sequence/QC Batch ID # VX061725

Review By	Semsettin Yesilyurt	Review On	6/18/2025 5:28:16 PM
Supervise By	Maresh Dadoda	Supervise On	6/18/2025 6:22:48 PM
SubDirectory	VX061725	HP Acquire Method	HP Processing Method 82X061725W.M
STD. NAME	STD REF.#		
Tune/Reschk	VP134389		
Initial Calibration Stds	VP134390,VP134391,VP134392,VP134393,VP134394,VP134395		
CCC			
Internal Standard/PEM			
ICV/I.BLK	VP134396		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VX046715.D	17 Jun 2025 08:46	JC/MD	Ok
2	VSTDIC001	VX046716.D	17 Jun 2025 10:09	JC/MD	Not Ok
3	VSTDIC001	VX046717.D	17 Jun 2025 10:58	JC/MD	ReRun
4	VSTDIC005	VX046718.D	17 Jun 2025 11:19	JC/MD	Ok,M
5	VSTDIC020	VX046719.D	17 Jun 2025 13:59	JC/MD	Ok,M
6	VSTDIC050	VX046720.D	17 Jun 2025 14:20	JC/MD	Ok,M
7	VSTDIC100	VX046721.D	17 Jun 2025 14:41	JC/MD	Ok,M
8	VSTDIC150	VX046722.D	17 Jun 2025 15:02	JC/MD	Ok,M
9	IBLK	VX046723.D	17 Jun 2025 15:23	JC/MD	Ok
10	VSTDIC001	VX046724.D	17 Jun 2025 16:20	JC/MD	Not Ok
11	VSTDIC001	VX046725.D	17 Jun 2025 17:18	JC/MD	Ok,M
12	VSTDICV050	VX046726.D	17 Jun 2025 18:00	JC/MD	Ok,M

M : Manual Integration

Instrument ID: **MSVOA_X**

Daily Analysis Runlog For Sequence/QC Batch ID # VX070125

Review By	John Carlone	Review On	7/3/2025 8:46:34 AM
Supervise By	Maresh Dadoda	Supervise On	7/3/2025 3:08:04 PM
SubDirectory	VX070125	HP Acquire Method	HP Processing Method 82X061725W.M
STD. NAME	STD REF.#		
Tune/Reschk Initial Calibration Stds	VP134598		
CCC Internal Standard/PEM ICV/I.BLK Surrogate Standard MS/MSD Standard LCS Standard	VP134599,VP134600		

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VX046843.D	01 Jul 2025 08:11	JC/MD	Ok
2	VSTDCCC050	VX046844.D	01 Jul 2025 08:53	JC/MD	Ok,M
3	VX0701MBL01	VX046845.D	01 Jul 2025 09:20	JC/MD	Ok
4	VX0701WBL01	VX046846.D	01 Jul 2025 09:41	JC/MD	Ok
5	VX0701WBS01	VX046847.D	01 Jul 2025 10:15	JC/MD	Ok,M
6	VX0701WBSD01	VX046848.D	01 Jul 2025 10:42	JC/MD	Ok,M
7	Q2461-01	VX046849.D	01 Jul 2025 11:03	JC/MD	Ok
8	Q2460-01	VX046850.D	01 Jul 2025 11:23	JC/MD	Ok
9	Q2463-01	VX046851.D	01 Jul 2025 11:54	JC/MD	Ok
10	IBLK	VX046852.D	01 Jul 2025 12:15	JC/MD	Ok
11	Q2455-01	VX046853.D	01 Jul 2025 12:36	JC/MD	Not Ok
12	Q2455-02	VX046854.D	01 Jul 2025 12:57	JC/MD	Not Ok
13	Q2455-03	VX046855.D	01 Jul 2025 13:18	JC/MD	Not Ok
14	IBLK	VX046856.D	01 Jul 2025 13:39	JC/MD	Ok
15	IBLK	VX046857.D	01 Jul 2025 14:00	JC/MD	Ok
16	VSTDCCC050	VX046858.D	01 Jul 2025 16:04	JC/MD	Ok,M

M : Manual Integration

Instrument ID: MSVOA_X

Daily Analysis Runlog For Sequence/QC Batch ID # VX061725

Review By	Semsettin Yesilyurt	Review On	6/18/2025 5:28:16 PM
Supervise By	Maresh Dadoda	Supervise On	6/18/2025 6:22:48 PM
SubDirectory	VX061725	HP Acquire Method	HP Processing Method 82X061725W.M

STD. NAME	STD REF.#
Tune/Reschk Initial Calibration Stds CCC Internal Standard/PEM ICV/I.BLK Surrogate Standard MS/MSD Standard LCS Standard	VP134389 VP134390,VP134391,VP134392,VP134393,VP134394,VP134395 VP134396

Sr#	SampleID	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	BFB	BFB	VX046715.D	17 Jun 2025 08:46		JC/MD	Ok
2	VSTDIC001	VSTDIC001	VX046716.D	17 Jun 2025 10:09	RRF check	JC/MD	Not Ok
3	VSTDIC001	VSTDIC001	VX046717.D	17 Jun 2025 10:58	low response	JC/MD	ReRun
4	VSTDIC005	VSTDIC005	VX046718.D	17 Jun 2025 11:19		JC/MD	Ok,M
5	VSTDIC020	VSTDIC020	VX046719.D	17 Jun 2025 13:59	LR- 10,49	JC/MD	Ok,M
6	VSTDIC050	VSTDIC050	VX046720.D	17 Jun 2025 14:20		JC/MD	Ok,M
7	VSTDIC100	VSTDIC100	VX046721.D	17 Jun 2025 14:41		JC/MD	Ok,M
8	VSTDIC150	VSTDIC150	VX046722.D	17 Jun 2025 15:02		JC/MD	Ok,M
9	IBLK	IBLK	VX046723.D	17 Jun 2025 15:23		JC/MD	Ok
10	VSTDIC001	VSTDIC001	VX046724.D	17 Jun 2025 16:20	spike error	JC/MD	Not Ok
11	VSTDIC001	VSTDIC001	VX046725.D	17 Jun 2025 17:18		JC/MD	Ok,M
12	VSTDICV050	ICVVX061725	VX046726.D	17 Jun 2025 18:00		JC/MD	Ok,M

M : Manual Integration

Instrument ID: MSVOA_X

Daily Analysis Runlog For Sequence/QC Batch ID # VX070125

Review By	John Carlone	Review On	7/3/2025 8:46:34 AM
Supervise By	Maresh Dadoda	Supervise On	7/3/2025 3:08:04 PM
SubDirectory	VX070125	HP Acquire Method	HP Processing Method 82X061725W.M

STD. NAME	STD REF.#
Tune/Reschk Initial Calibration Stds	VP134598
CCC Internal Standard/PEM ICV/I.BLK Surrogate Standard MS/MSD Standard LCS Standard	VP134599,VP134600

Sr#	SampleID	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	BFB	BFB	VX046843.D	01 Jul 2025 08:11		JC/MD	Ok
2	VSTDCCC050	VSTDCCC050	VX046844.D	01 Jul 2025 08:53	pH#Lot#V12668	JC/MD	Ok,M
3	VX0701MBL01	VX0701MBL01	VX046845.D	01 Jul 2025 09:20		JC/MD	Ok
4	VX0701WBL01	VX0701WBL01	VX046846.D	01 Jul 2025 09:41		JC/MD	Ok
5	VX0701WBS01	VX0701WBS01	VX046847.D	01 Jul 2025 10:15		JC/MD	Ok,M
6	VX0701WBSD01	VX0701WBSD01	VX046848.D	01 Jul 2025 10:42		JC/MD	Ok,M
7	Q2461-01	SW-3	VX046849.D	01 Jul 2025 11:03	vial A pH<2	JC/MD	Ok
8	Q2460-01	SW-1	VX046850.D	01 Jul 2025 11:23	vial A pH<2 yellow foamy sample	JC/MD	Ok
9	Q2463-01	TW-WTS-11	VX046851.D	01 Jul 2025 11:54	vial A pH<2	JC/MD	Ok
10	IBLK	IBLK	VX046852.D	01 Jul 2025 12:15		JC/MD	Ok
11	Q2455-01	MW1	VX046853.D	01 Jul 2025 12:36	CCC failing Low for com#11, Need lower dilution	JC/MD	Not Ok
12	Q2455-02	MW3	VX046854.D	01 Jul 2025 12:57	CCC failing Low for com#11	JC/MD	Not Ok
13	Q2455-03	MW10	VX046855.D	01 Jul 2025 13:18	CCC failing Low for com#11, Need lower dilution	JC/MD	Not Ok
14	IBLK	IBLK	VX046856.D	01 Jul 2025 13:39		JC/MD	Ok
15	IBLK	IBLK	VX046857.D	01 Jul 2025 14:00		JC/MD	Ok
16	VSTDCCC050	VSTDCCC050EC	VX046858.D	01 Jul 2025 16:04		JC/MD	Ok,M

M : Manual Integration



SHIPPING DOCUMENTS



284 Sheffield Street, Mountainside, NJ 07092
(908) 789-8900 Fax: (908) 788-9222
www.chemtech.net

CHAIN OF CUSTODY RECORD

Alliance Project Number: AEC-2025-0013

COC Number:

CLIENT INFORMATION

COMPANY: Durham School Services
ADDRESS: 2721 2nd Ave
CITY Watervliet STATE: NY ZIP:
ATTENTION: daniel.maalouf@alliancetg.com
PHONE: FAX:

PROJECT INFORMATION

PROJECT NAME: CSC 4031 Watervliet
PROJECT #: AEC-2025-0013 LOCATION: Watervliet
PROJECT MANAGER:
E-MAIL:
PHONE: 864-704-7984 FAX:

BILLING INFORMATION

BILL TO: candice.caviness@alliancetg.com PO#
ADDRESS:
CITY: STATE: ZIP:
ATTENTION: PHONE:

DATA TURNAROUND INFORMATION

FAX: DAYS*
HARD COPY: DAYS*
EDD DAYS*
* TO BE APPROVED BY ALLIANCE
STANDARD TURNAROUND TIME IS 10 BUSINESS DAYS

DATA DELIVERABLE INFORMATION

☐ RESEULTS ONLY ☐ USEPA CLP
☐ RESULTS + QC ☐ New York State ASP "B"
☐ New Jersey REDUCED ☐ New York State ASP "A"
☐ New Jersey CLP ☐ Other _____
☐ EDD Format

ANALYSIS

OG	COD	BTEX							
1	2	3	4	5	6	7	8	9	

PRESERVATIVES

COMMENTS

CHEMTECH SAMPLE ID	PROJECT SAMPLE IDENTIFICATION	SAMPLE MATRIX	SAMPLE TYPE		SAMPLE COLLECTION		# of Bottles										<- Specify Preservatives A-HCl B-HNO3 C-H2SO4 D-NaOH E-ICE F-Other
			COMP	GRAB	DATE	TIME		1	2	3	4	5	6	7	8	9	
1.	SW-1	SW		X	6/26/25	14:20	5	1	1	3							Shipped via Fedex
2.																	
3.																	
4.																	
5.																	
6.																	
7.																	
8.																	
9.																	
10.																	

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

RELINQUISHED BY SAMPLER	DATE/TIME 6/26/25 14:59	RECEIVED BY 	Conditions of bottles or coolers at receipt: ☐ Compliant ☐ Non Compliant ☐ Cooler Temp <u>3.3°C</u> MeOH extraction requires an additional 4oz. Jar for percent solid ☐ Ice in Cooler?: _____
1. Daniel Maalouf ATG		1.	
RELINQUISHED BY	DATE/TIME	RECEIVED BY	Comments:
2.		2.	
RELINQUISHED BY	DATE/TIME	RECEIVED FOR LAB BY	
3.		3.	
Page _____ of _____			SHIPPED VIA: CLIENT: ☐ Hand Delivered ☐ Overnight ALLIANCE: ☐ Picked Up ☐ Overnight
			Shipment Complete ☐ YES ☐ NO

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

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

LOGIN REPORT/SAMPLE TRANSFER

Order ID : Q2460	ATGG01	Order Date : 6/30/2025 8:36:46 AM	Project Mgr :
Client Name : ATG-GREENVILLE AEC		Project Name : AEC-2025-0013-CSC 4031	Report Type : Level 1
Client Contact : Daniel Maalouf		Receive Date/Time : 6/26/2025 2:59:00 PM	EDD Type : Excel NY
Invoice Name : ATG-GREENVILLE AEC		Purchase Order :	Hard Copy Date :
Invoice Contact : Daniel Maalouf			Date Signoff :

LAB ID	CLIENT ID	MATRIX	SAMPLE DATE	SAMPLE TIME	TEST	TEST GROUP	METHOD	FAX DATE	DUE DATES
Q2460-01	SW-1	Water	06/26/2025	14:20	VOC-BTEX		8260-Low		5 Bus. Days

Relinquished By : afDate / Time : 6/30/25 9:30Received By : SeemDate / Time : 06/30/25 9:30

Storage Area : VOA Refridgerator Room