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

DATA REPORTING QUALIFIERS- ORGANIC

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

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

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

LAB CHRONICLE

OrderID:	Q3604	**OrderDate:**	11/10/2025 4:28:38 PM
Client:	Roman E&G Corp	**Project:**	MCUA - New Brunswick
Contact:	Amanda Gentle	**Location:**	D41

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q3604-01	**S-1**	**TCLP**			**11/10/25**			**11/10/25**
			TCLP VOA	8260D			11/12/25	
Q3604-02	**S-2**	**TCLP**			**11/10/25**			**11/10/25**
			TCLP VOA	8260D			11/12/25	

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

Hit Summary Sheet
SW-846

SDG No.: Q3604

Client: Roman E&G Corp

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID:	**S-1**							
Q3604-01	S-1	TCLP	2-Butanone	5.70	J	0.98	25.0	ug/L
			Total Voc :	5.70				
			Total Concentration:	5.70				
Client ID:	**S-2**							
Q3604-02	S-2	TCLP	2-Butanone	4.80	J	0.98	25.0	ug/L
			Total Voc :	4.80				
			Total Concentration:	4.80				

QC SUMMARY

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

Surrogate Summary

SDG No.: Q3604

Client: Roman E&G Corp

Analytical Method: SW8260D

Lab Sample ID	Client ID	Parameter	Spike	Result	Recovery (%)	Qual	Limits (%) Low	Limits (%) High
Q3604-01	S-1	1,2-Dichloroethane-d4	50	53.9	108		70 (74)	130 (125)
		Dibromofluoromethane	50	44.0	88		70 (75)	130 (124)
		Toluene-d8	50	48.8	98		70 (86)	130 (113)
		4-Bromofluorobenzene	50	54.7	109		70 (77)	130 (121)
Q3604-02	S-2	1,2-Dichloroethane-d4	50	57.1	114		70 (74)	130 (125)
		Dibromofluoromethane	50	45.5	91		70 (75)	130 (124)
		Toluene-d8	50	51.4	103		70 (86)	130 (113)
		4-Bromofluorobenzene	50	55.4	111		70 (77)	130 (121)

( ) = LABORATORY INHOUSE LIMIT

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

Surrogate Summary

SDG No.: Q3604

Client: Roman E&G Corp

Analytical Method: SW8260-Low

Lab Sample ID	Client ID	Parameter	Spike	Result	Recovery (%)	Qual	Limits (%) Low	Limits (%) High
VX1112WBL01	VX1112WBL01	1,2-Dichloroethane-d4	50	52.7	105		70 (74)	130 (125)
		Dibromofluoromethane	50	43.8	88		70 (75)	130 (124)
		Toluene-d8	50	49.9	100		70 (86)	130 (113)
		4-Bromofluorobenzene	50	55.6	111		70 (77)	130 (121)
VX1112WBS01	VX1112WBS01	1,2-Dichloroethane-d4	50	48.0	96		70 (74)	130 (125)
		Dibromofluoromethane	50	47.7	95		70 (75)	130 (124)
		Toluene-d8	50	52.2	104		70 (86)	130 (113)
		4-Bromofluorobenzene	50	49.4	99		70 (77)	130 (121)
VX1112WBSD0	VX1112WBSD01	1,2-Dichloroethane-d4	50	51.1	102		70 (74)	130 (125)
		Dibromofluoromethane	50	46.6	93		70 (75)	130 (124)
		Toluene-d8	50	51.7	103		70 (86)	130 (113)
		4-Bromofluorobenzene	50	50.9	102		70 (77)	130 (121)

( ) = LABORATORY INHOUSE LIMIT

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

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q3604 **Analytical Method:** SW8260-Low

Client: Roman E&G Corp **Datafile :** VX048566.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VX1112WBS01	Vinyl chloride	20	19.3	ug/L	97			70 (65)	130 (117)	
	1,1-Dichloroethene	20	18.9	ug/L	95			70 (74)	130 (110)	
	2-Butanone	100	96.3	ug/L	96			40 (65)	160 (122)	
	Carbon Tetrachloride	20	18.5	ug/L	93			70 (77)	130 (113)	
	Chloroform	20	19.0	ug/L	95			70 (79)	130 (113)	
	Benzene	20	18.4	ug/L	92			70 (82)	130 (109)	
	1,2-Dichloroethane	20	18.8	ug/L	94			70 (80)	130 (115)	
	Trichloroethene	20	19.7	ug/L	99			70 (77)	130 (113)	
	Tetrachloroethene	20	19.4	ug/L	97			70 (67)	130 (123)	
	Chlorobenzene	20	18.7	ug/L	94			70 (82)	130 (109)	

( ) = LABORATORY INHOUSE LIMIT

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

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q3604 **Analytical Method:** SW8260-Low

Client: Roman E&G Corp **Datafile :** VX048567.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	Limits RPD
VX1112WBSD01	Vinyl chloride	20	20.0	ug/L	100	3		70 (65)	130 (117)	20 (19)
	1,1-Dichloroethene	20	19.8	ug/L	99	4		70 (74)	130 (110)	20 (20)
	2-Butanone	100	110	ug/L	110	14		40 (65)	160 (122)	20 (26)
	Carbon Tetrachloride	20	18.4	ug/L	92	1		70 (77)	130 (113)	20 (15)
	Chloroform	20	20.7	ug/L	104	9		70 (79)	130 (113)	20 (20)
	Benzene	20	18.7	ug/L	94	2		70 (82)	130 (109)	20 (15)
	1,2-Dichloroethane	20	20.2	ug/L	101	7		70 (80)	130 (115)	20 (20)
	Trichloroethene	20	20.2	ug/L	101	2		70 (77)	130 (113)	20 (15)
	Tetrachloroethene	20	19.6	ug/L	98	1		70 (67)	130 (123)	20 (15)
	Chlorobenzene	20	19.6	ug/L	98	4		70 (82)	130 (109)	20 (15)

( ) = LABORATORY INHOUSE LIMIT

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

VOLATILE METHOD BLANK SUMMARY

Client ID: VX1112WBL01

Lab Name: Alliance | Contract: ROMA02

Lab Code: ACE | SDG NO.: Q3604

Lab File ID: VX048565.D | Lab Sample ID: VX1112WBL01

Date Analyzed: 11/12/2025 | Time Analyzed: 10:00

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
VX1112WBS01	VX1112WBS01	VX048566.D	11/12/2025
VX1112WBSD01	VX1112WBSD01	VX048567.D	11/12/2025
S-1	Q3604-01	VX048572.D	11/12/2025
S-2	Q3604-02	VX048573.D	11/12/2025

COMMENTS:

Raw Data: **VX048515.D**

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

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: Alliance
Contract: ROMA02
Lab Code: ACE
SDG NO.: Q3604
Lab File ID: VX048515.D
BFB Injection Date: 11/07/2025
Instrument ID: MSVOA_X
BFB Injection Time: 13:06
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	21.2
75	30.0 - 60.0% of mass 95	56
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.8
173	Less than 2.0% of mass 174	1 (1.2) 1
174	50.0 - 100.0% of mass 95	77.2
175	5.0 - 9.0% of mass 174	5.7 (7.3) 1
176	95.0 - 101.0% of mass 174	75.5 (97.9) 1
177	5.0 - 9.0% of mass 176	4.7 (6.2) 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
VSTDICC001	VSTDICC001	VX048516.D	11/07/2025	13:35
VSTDICC005	VSTDICC005	VX048517.D	11/07/2025	13:56
VSTDICC020	VSTDICC020	VX048518.D	11/07/2025	14:16
VSTDICC100	VSTDICC100	VX048520.D	11/07/2025	14:58
VSTDICC150	VSTDICC150	VX048521.D	11/07/2025	15:18
VSTDICCC050	VSTDICCC050	VX048524.D	11/07/2025	16:29

Raw Data: **VX048562.D**

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

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: Alliance
Contract: ROMA02
Lab Code: ACE
SDG NO.: Q3604
Lab File ID: VX048562.D
BFB Injection Date: 11/12/2025
Instrument ID: MSVOA_X
BFB Injection Time: 08:08
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	18.5
75	30.0 - 60.0% of mass 95	51.5
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	7.1
173	Less than 2.0% of mass 174	0.8 (1) 1
174	50.0 - 100.0% of mass 95	79
175	5.0 - 9.0% of mass 174	6 (7.6) 1
176	95.0 - 101.0% of mass 174	76 (96.2) 1
177	5.0 - 9.0% of mass 176	5.1 (6.7) 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	VX048563.D	11/12/2025	09:11
VX1112WBL01	VX1112WBL01	VX048565.D	11/12/2025	10:00
VX1112WBS01	VX1112WBS01	VX048566.D	11/12/2025	10:30
VX1112WBSD01	VX1112WBSD01	VX048567.D	11/12/2025	10:57
S-1	Q3604-01	VX048572.D	11/12/2025	12:40
S-2	Q3604-02	VX048573.D	11/12/2025	13:00

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

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance Contract: ROMA02

Lab Code: ACE SDG NO.: Q3604

Lab File ID: VX048563.D Date Analyzed: 11/12/2025

Instrument ID: MSVOA_X Time Analyzed: 09:11

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	168053	5.53	278642	6.74	246918	10.04
UPPER LIMIT	336106	6.025	557284	7.239	493836	10.537
LOWER LIMIT	84026.5	5.025	139321	6.239	123459	9.537
EPA SAMPLE NO.						
S-1	178690	5.54	357430	6.75	368888	10.04
S-2	212518	5.54	429611	6.75	445317	10.04
VX1112WBL01	211958	5.54	425634	6.75	439104	10.04
VX1112WBS01	191720	5.53	311333	6.74	276234	10.04
VX1112WBSD01	161754	5.53	273225	6.74	245374	10.04

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.

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

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance Contract: ROMA02

Lab Code: ACE SDG NO.: Q3604

Lab File ID: VX048563.D Date Analyzed: 11/12/2025

Instrument ID: MSVOA_X Time Analyzed: 09:11

GC Column: DB-624UI ID: 0.18 (mm) Heated Purge: (Y/N) N

	IS4 AREA #	RT #				
12 HOUR STD	123894	12.006				
UPPER LIMIT	247788	12.506				
LOWER LIMIT	61947	11.506				
EPA SAMPLE NO.						
S-1	192403	12.01				
S-2	214536	12.01				
VX1112WBL01	232670	12.01				
VX1112WBS01	136753	12.01				
VX1112WBSD01	125743	12.01				

IS4 = 1,4-Dichlorobenzene-d4

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

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

SAMPLE DATA

Raw Data: **VX048572.D**

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

Report of Analysis

Client:	Roman E&G Corp			Date Collected:	11/10/25
Project:	MCUA - New Brunswick			Date Received:	11/10/25
Client Sample ID:	S-1			SDG No.:	Q3604
Lab Sample ID:	Q3604-01			Matrix:	TCLP
Analytical Method:	8260D	Level:	LOW	% Solid:	0
Sample Wt/Vol:	5 mL	Final Vol:	5000 uL	Test:	TCLP VOA

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
75-01-4	Vinyl Chloride	0.26	U	1	0.26	5.00	ug/L	11/12/25 12:40	VX111225
75-35-4	1,1-Dichloroethene	0.23	U	1	0.23	5.00	ug/L	11/12/25 12:40	VX111225
78-93-3	2-Butanone	5.70	J	1	0.98	25.0	ug/L	11/12/25 12:40	VX111225
56-23-5	Carbon Tetrachloride	0.25	U	1	0.25	5.00	ug/L	11/12/25 12:40	VX111225
67-66-3	Chloroform	0.25	U	1	0.25	5.00	ug/L	11/12/25 12:40	VX111225
71-43-2	Benzene	0.15	U	1	0.15	5.00	ug/L	11/12/25 12:40	VX111225
107-06-2	1,2-Dichloroethane	0.22	U	1	0.22	5.00	ug/L	11/12/25 12:40	VX111225
79-01-6	Trichloroethene	0.090	U	1	0.090	5.00	ug/L	11/12/25 12:40	VX111225
127-18-4	Tetrachloroethene	0.23	U	1	0.23	5.00	ug/L	11/12/25 12:40	VX111225
108-90-7	Chlorobenzene	0.12	U	1	0.12	5.00	ug/L	11/12/25 12:40	VX111225
SURROGATES									
17060-07-0	1,2-Dichloroethane-d4	53.9			70 (74) - 130 (125)	108%	SPK: 50		
1868-53-7	Dibromofluoromethane	44.0			70 (75) - 130 (124)	88%	SPK: 50		
2037-26-5	Toluene-d8	48.8			70 (86) - 130 (113)	98%	SPK: 50		
460-00-4	4-Bromofluorobenzene	54.7			70 (77) - 130 (121)	109%	SPK: 50		
INTERNAL STANDARDS		**Area Count**							
363-72-4	Pentafluorobenzene	179000							
540-36-3	1,4-Difluorobenzene	357000							
3114-55-4	Chlorobenzene-d5	369000							
3855-82-1	1,4-Dichlorobenzene-d4	192000							

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\VX111225\
Data File : VX048572.D
Acq On : 12 Nov 2025 12:40
Operator : JC/MD
Sample : Q3604-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
S-1

Quant Time: Nov 12 12:58:17 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X110725W.M
Quant Title : SW846 8260
QLast Update : Sat Nov 08 05:08:11 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.544	168	178690	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.745	114	357430	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	368888	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	192403	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.940	65	134160	53.882	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 107.760%			
35) Dibromofluoromethane	5.373	113	119142	44.041	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 88.080%			
50) Toluene-d8	8.635	98	411680	48.793	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 97.580%			
62) 4-Bromofluorobenzene	11.067	95	172063	54.722	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 109.440%			
Target Compounds						Qvalue
16) Acetone	2.374	43	100102	84.933	ug/l	95
20) Methylene Chloride	2.788	84	17291	7.136	ug/l	87
25) 2-Butanone	4.556	43	9928	5.694	ug/l	99

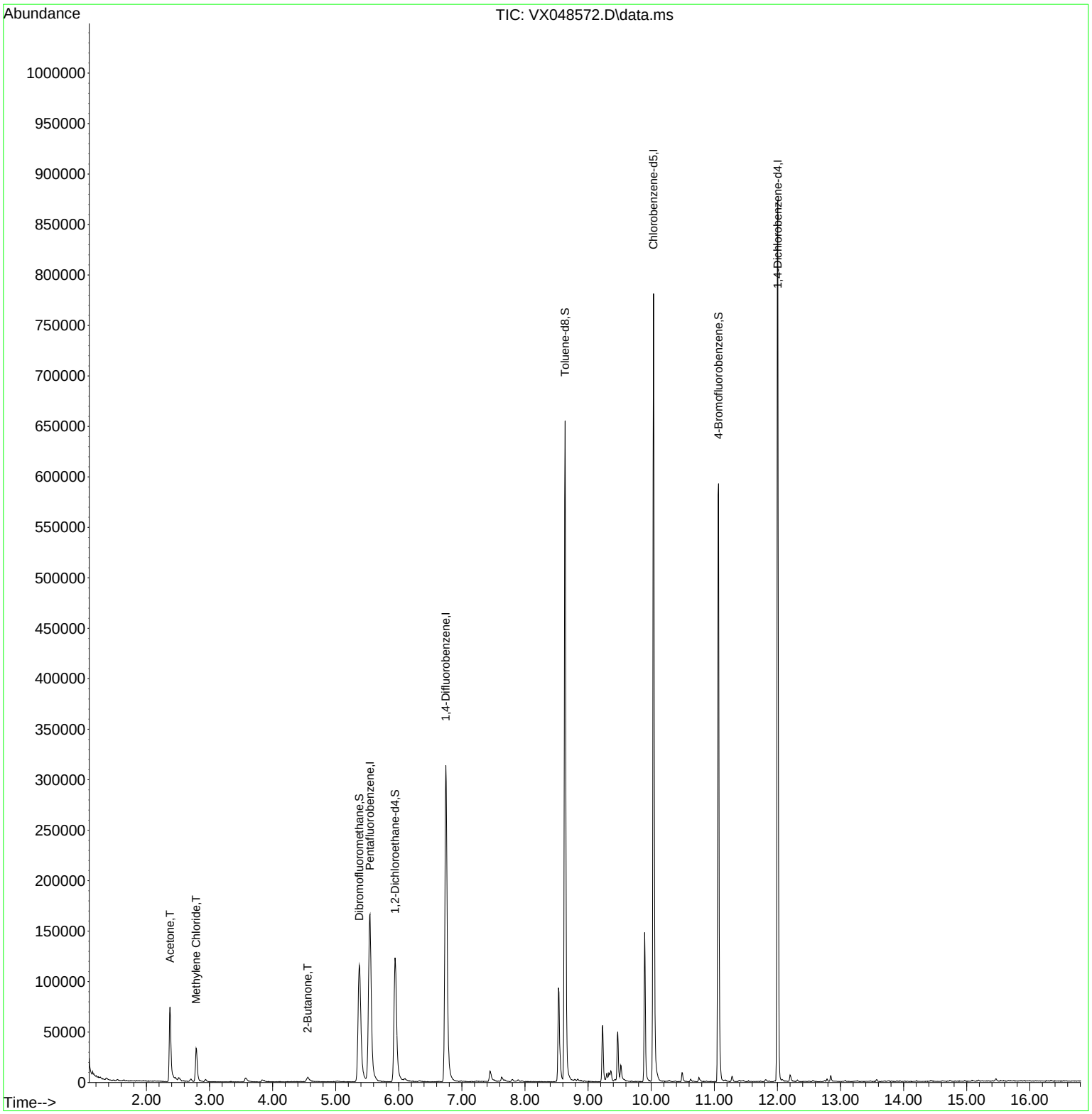
(#) = qualifier out of range (m) = manual integration (+) = signals summed

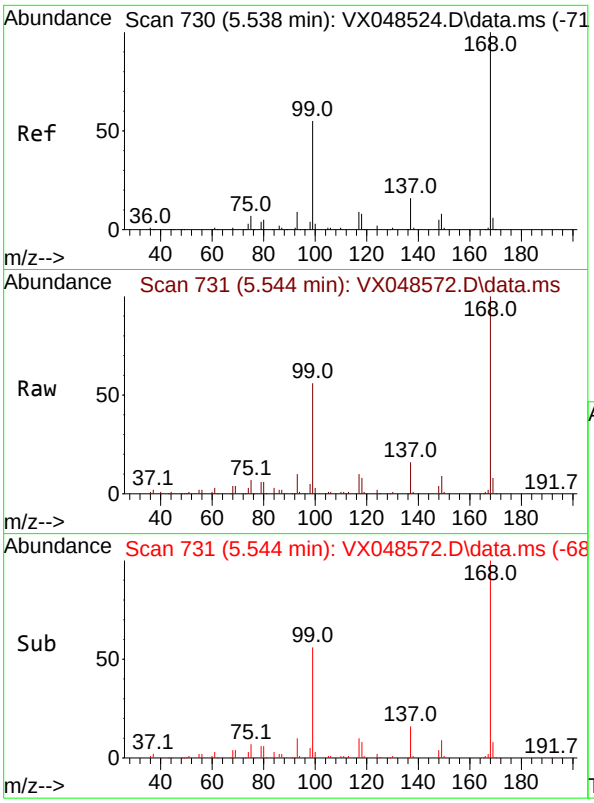
Sample Results: **VX048572.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX111225\
Data File : VX048572.D
Acq On : 12 Nov 2025 12:40
Operator : JC/MD
Sample : Q3604-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
S-1

Quant Time: Nov 12 12:58:17 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X110725W.M
Quant Title : SW846 8260
QLast Update : Sat Nov 08 05:08:11 2025
Response via : Initial Calibration



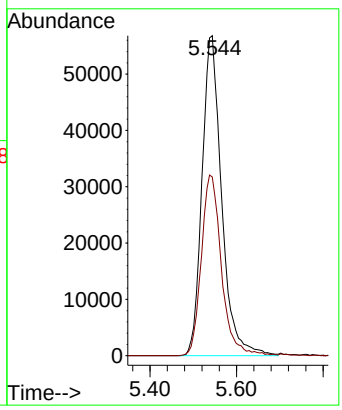


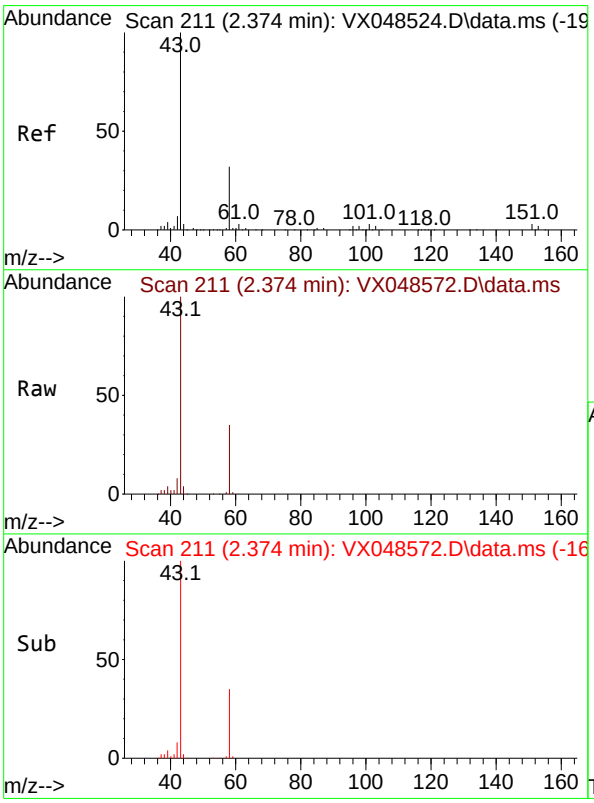
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 7
Delta R.T. 0.006 min
Lab File: VX048572.D
Acq: 12 Nov 2025 12:40

Instrument :
MSVOA_X
ClientSampleId :
S-1

Tgt Ion:168 Resp: 178690

Ion	Ratio	Lower	Upper
168	100		
99	55.8	45.2	67.8

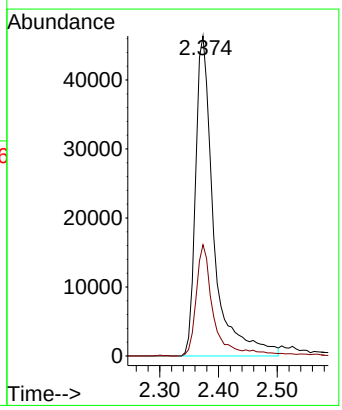


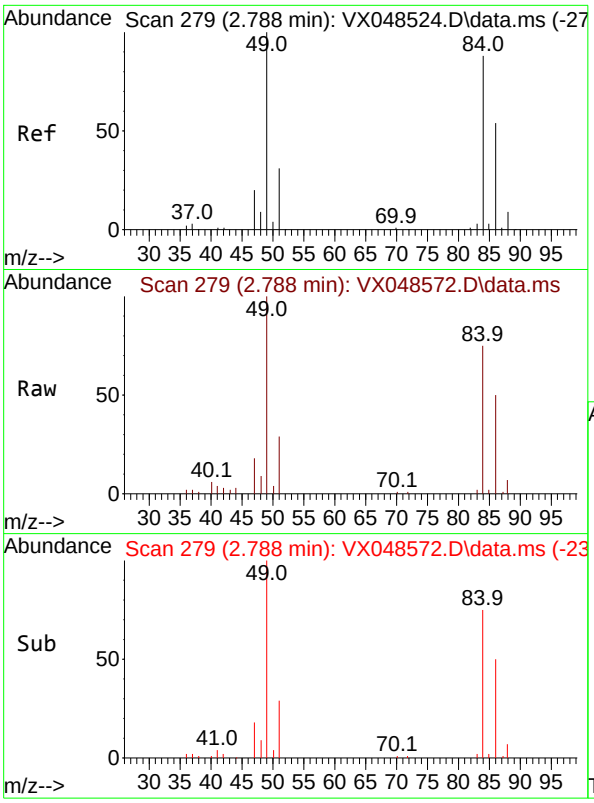


#16
Acetone
Concen: 84.933 ug/l
RT: 2.374 min Scan# 211
Delta R.T. -0.000 min
Lab File: VX048572.D
Acq: 12 Nov 2025 12:40

Tgt Ion: 43 Resp: 100102

Ion	Ratio	Lower	Upper
43	100		
58	34.8	25.8	38.6



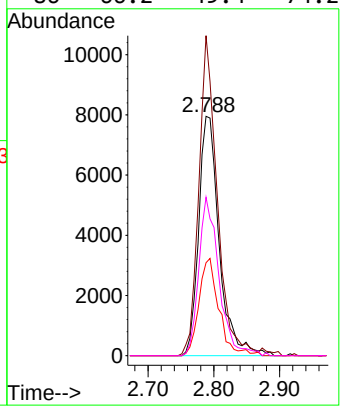


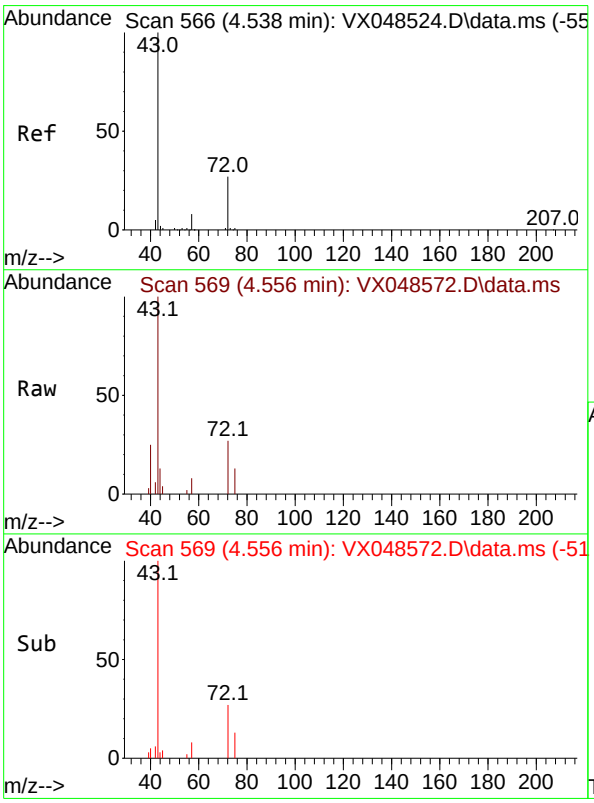
#20
Methylene Chloride
Concen: 7.136 ug/l
RT: 2.788 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX048572.D
Acq: 12 Nov 2025 12:40

Instrument :
MSVOA_X
ClientSampleId :
S-1

Tgt Ion: 84 Resp: 17291

Ion	Ratio	Lower	Upper
84	100		
49	133.7	91.2	136.8
51	38.8	28.3	42.5
86	66.2	49.4	74.2

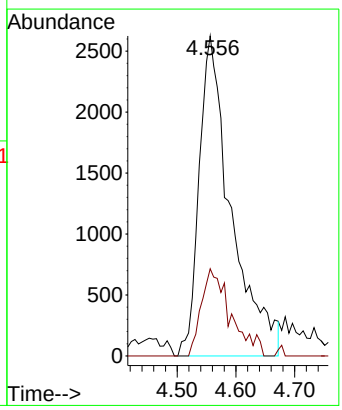


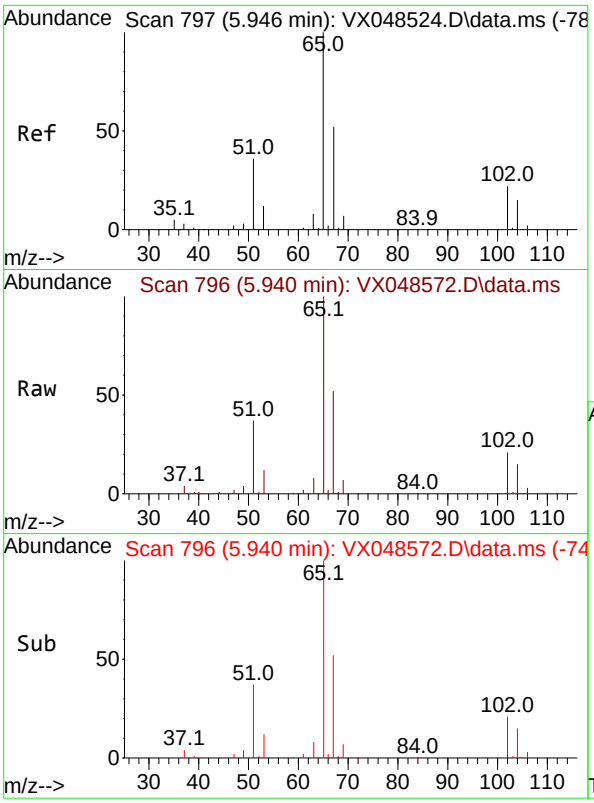


#25
2-Butanone
Concen: 5.694 ug/l
RT: 4.556 min Scan# 569
Delta R.T. 0.018 min
Lab File: VX048572.D
Acq: 12 Nov 2025 12:40

Tgt Ion: 43 Resp: 9928

Ion	Ratio	Lower	Upper
43	100		
72	27.2	21.5	32.3



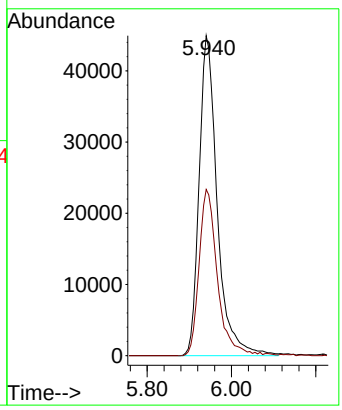


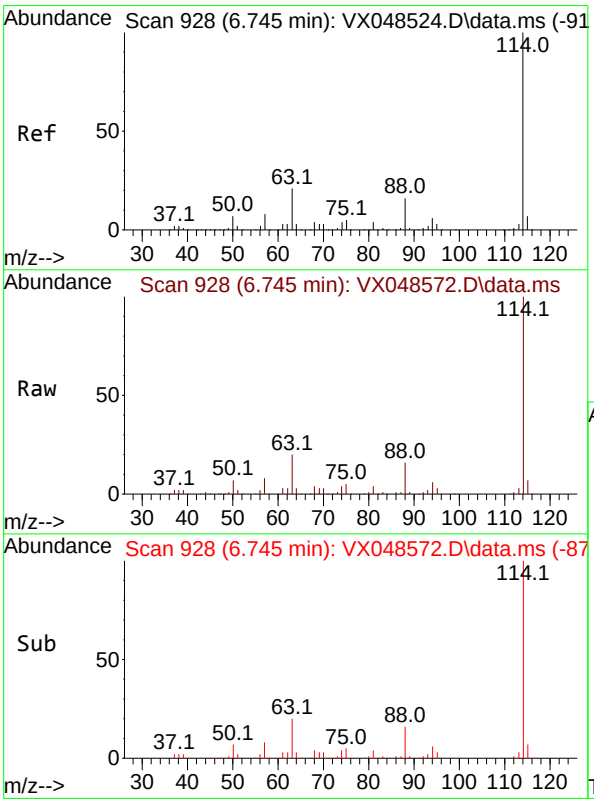
#33
1,2-Dichloroethane-d4
Concen: 53.882 ug/l
RT: 5.940 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX048572.D
Acq: 12 Nov 2025 12:40

Instrument :
MSVOA_X
ClientSampleId :
S-1

Tgt Ion: 65 Resp: 134160

Ion	Ratio	Lower	Upper
65	100		
67	52.7	0.0	106.2

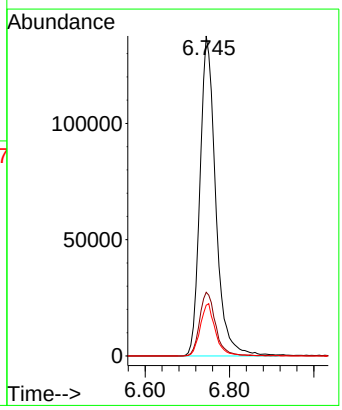


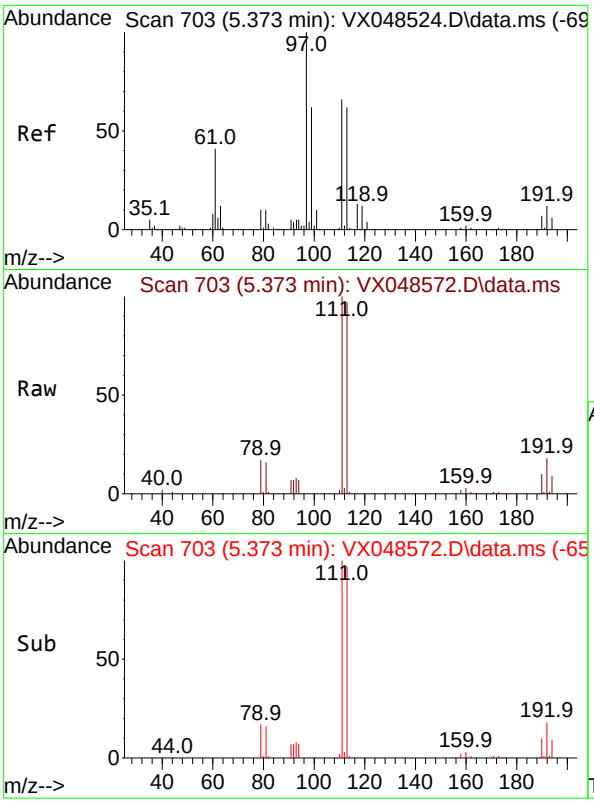


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.745 min Scan# 928
Delta R.T. -0.000 min
Lab File: VX048572.D
Acq: 12 Nov 2025 12:40

Tgt Ion:114 Resp: 357430

Ion	Ratio	Lower	Upper
114	100		
63	19.9	0.0	41.2
88	15.9	0.0	32.2



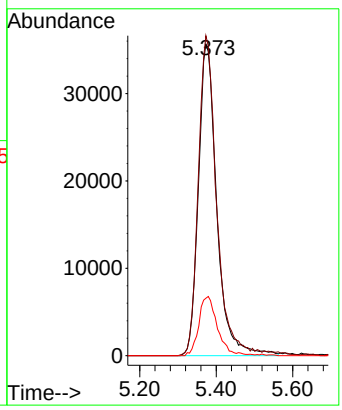


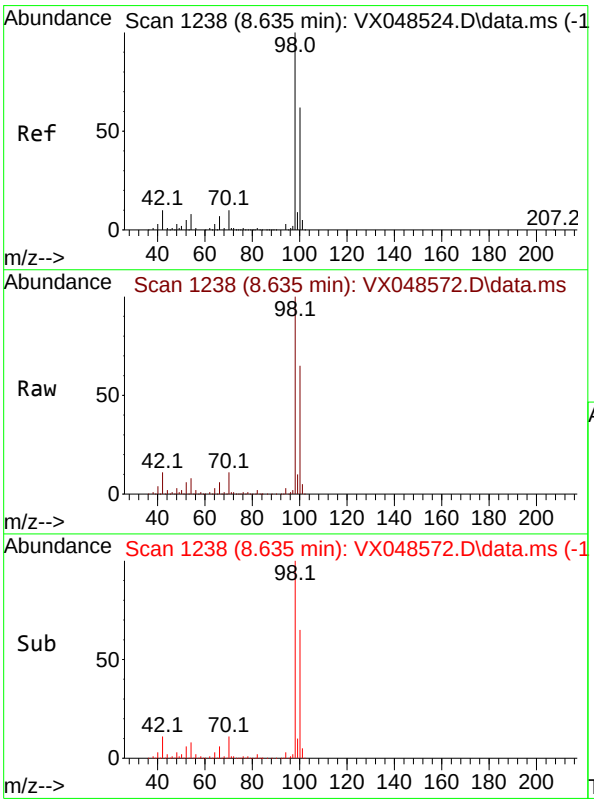
#35
Dibromofluoromethane
Concen: 44.041 ug/l
RT: 5.373 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX048572.D
Acq: 12 Nov 2025 12:40

Instrument :
MSVOA_X
ClientSampleId :
S-1

Tgt Ion:113 Resp: 119142

Ion	Ratio	Lower	Upper
113	100		
111	102.1	81.9	122.9
192	19.2	15.8	23.6

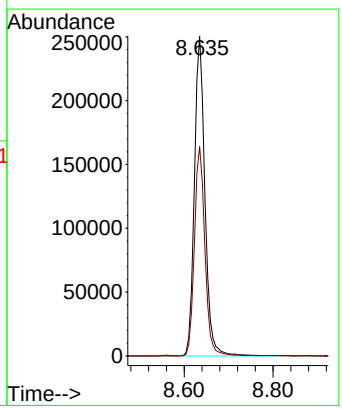


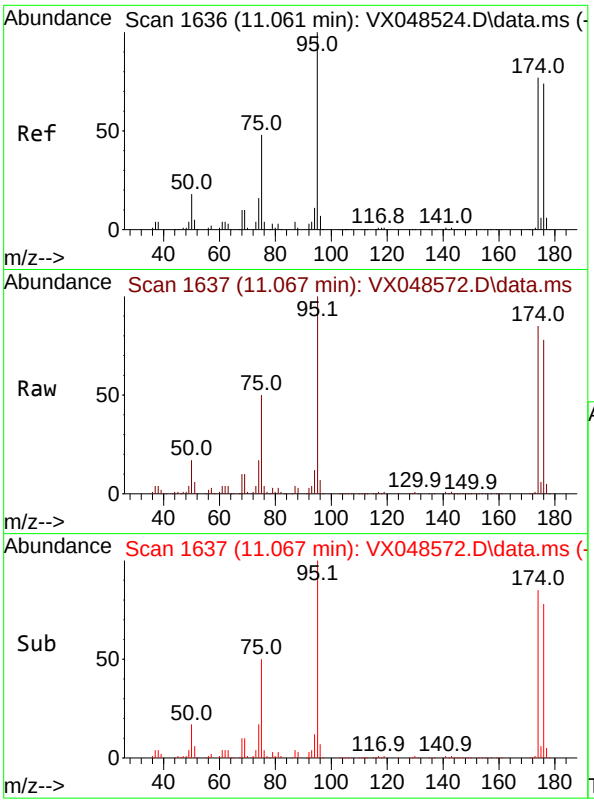


#50
Toluene-d8
Concen: 48.793 ug/l
RT: 8.635 min Scan# 1238
Delta R.T. -0.000 min
Lab File: VX048572.D
Acq: 12 Nov 2025 12:40

Tgt Ion: 98 Resp: 411680

Ion	Ratio	Lower	Upper
98	100		
100	65.0	53.6	80.4



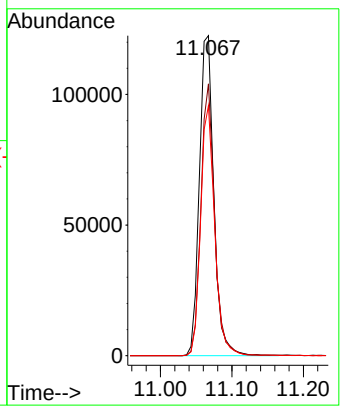


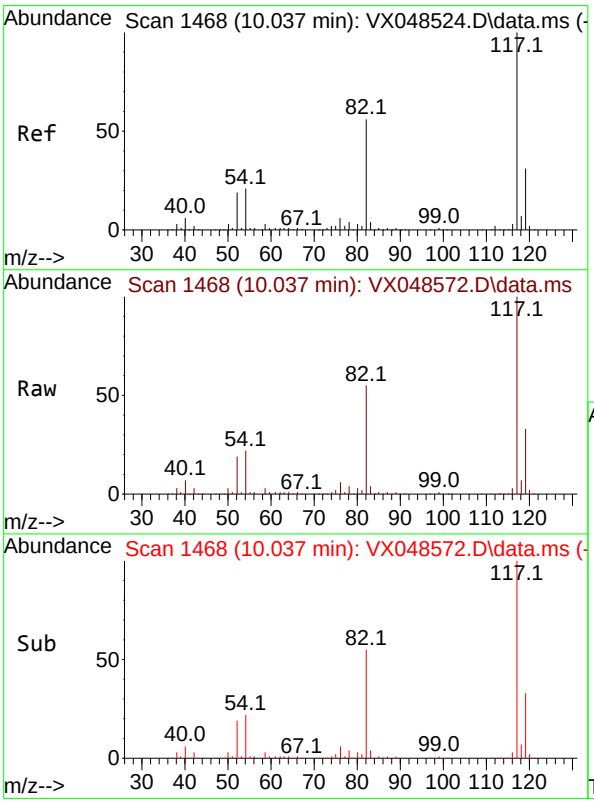
#62
4-Bromofluorobenzene
Concen: 54.722 ug/l
RT: 11.067 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX048572.D
Acq: 12 Nov 2025 12:40

Instrument :
MSVOA_X
ClientSampleId :
S-1

Tgt Ion: 95 Resp: 172063

Ion	Ratio	Lower	Upper
95	100		
174	80.8	0.0	161.8
176	76.2	0.0	153.6

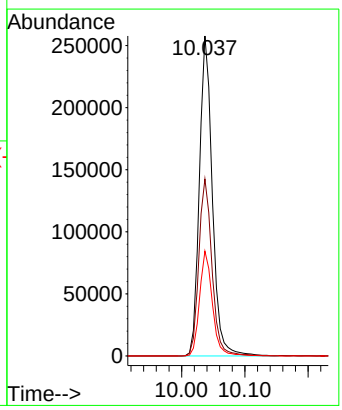


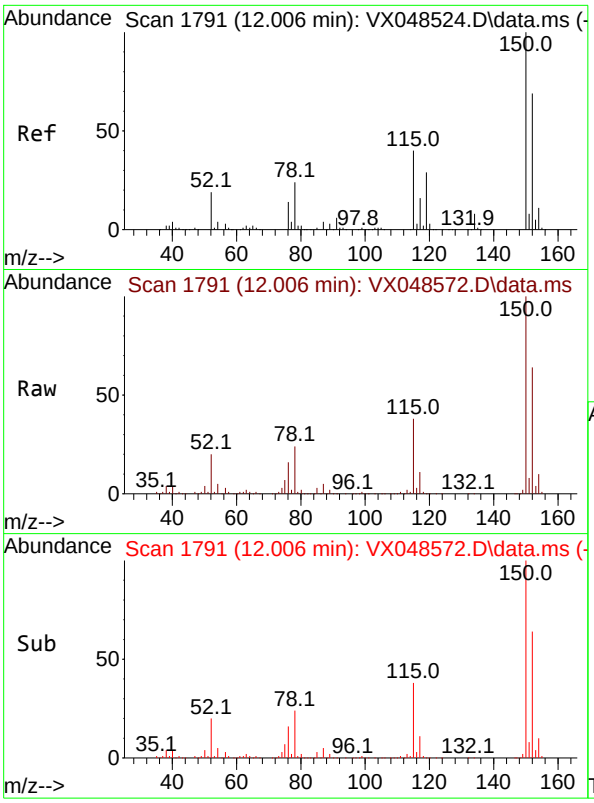


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.037 min Scan# 1468
Delta R.T. -0.000 min
Lab File: VX048572.D
Acq: 12 Nov 2025 12:40

Tgt Ion:117 Resp: 368888

Ion	Ratio	Lower	Upper
117	100		
82	55.3	44.4	66.6
119	32.8	25.1	37.7



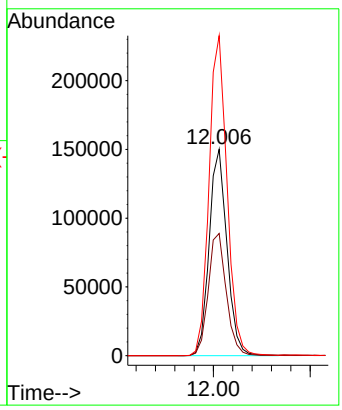


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.006 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048572.D
Acq: 12 Nov 2025 12:40

Instrument :
MSVOA_X
ClientSampleId :
S-1

Tgt Ion:152 Resp: 192403

Ion	Ratio	Lower	Upper
152	100		
115	60.2	39.2	117.6
150	156.4	0.0	347.0



Raw Data: **VX048573.D**

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

Report of Analysis

Client:	Roman E&G Corp			Date Collected:	11/10/25
Project:	MCUA - New Brunswick			Date Received:	11/10/25
Client Sample ID:	S-2			SDG No.:	Q3604
Lab Sample ID:	Q3604-02			Matrix:	TCLP
Analytical Method:	8260D	Level:	LOW	% Solid:	0
Sample Wt/Vol:	5 mL	Final Vol:	5000 uL	Test:	TCLP VOA

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
75-01-4	Vinyl Chloride	0.26	U	1	0.26	5.00	ug/L	11/12/25 13:00	VX111225
75-35-4	1,1-Dichloroethene	0.23	U	1	0.23	5.00	ug/L	11/12/25 13:00	VX111225
78-93-3	2-Butanone	4.80	J	1	0.98	25.0	ug/L	11/12/25 13:00	VX111225
56-23-5	Carbon Tetrachloride	0.25	U	1	0.25	5.00	ug/L	11/12/25 13:00	VX111225
67-66-3	Chloroform	0.25	U	1	0.25	5.00	ug/L	11/12/25 13:00	VX111225
71-43-2	Benzene	0.15	U	1	0.15	5.00	ug/L	11/12/25 13:00	VX111225
107-06-2	1,2-Dichloroethane	0.22	U	1	0.22	5.00	ug/L	11/12/25 13:00	VX111225
79-01-6	Trichloroethene	0.090	U	1	0.090	5.00	ug/L	11/12/25 13:00	VX111225
127-18-4	Tetrachloroethene	0.23	U	1	0.23	5.00	ug/L	11/12/25 13:00	VX111225
108-90-7	Chlorobenzene	0.12	U	1	0.12	5.00	ug/L	11/12/25 13:00	VX111225
SURROGATES									
17060-07-0	1,2-Dichloroethane-d4	57.1			70 (74) - 130 (125)	114%	SPK: 50		
1868-53-7	Dibromofluoromethane	45.5			70 (75) - 130 (124)	91%	SPK: 50		
2037-26-5	Toluene-d8	51.4			70 (86) - 130 (113)	103%	SPK: 50		
460-00-4	4-Bromofluorobenzene	55.4			70 (77) - 130 (121)	111%	SPK: 50		
INTERNAL STANDARDS		**Area Count**							
363-72-4	Pentafluorobenzene	213000							
540-36-3	1,4-Difluorobenzene	430000							
3114-55-4	Chlorobenzene-d5	445000							
3855-82-1	1,4-Dichlorobenzene-d4	215000							

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\VX111225\
Data File : VX048573.D
Acq On : 12 Nov 2025 13:00
Operator : JC/MD
Sample : Q3604-02
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
S-2

Quant Time: Nov 12 13:18:28 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X110725W.M
Quant Title : SW846 8260
QLast Update : Sat Nov 08 05:08:11 2025
Response via : Initial Calibration

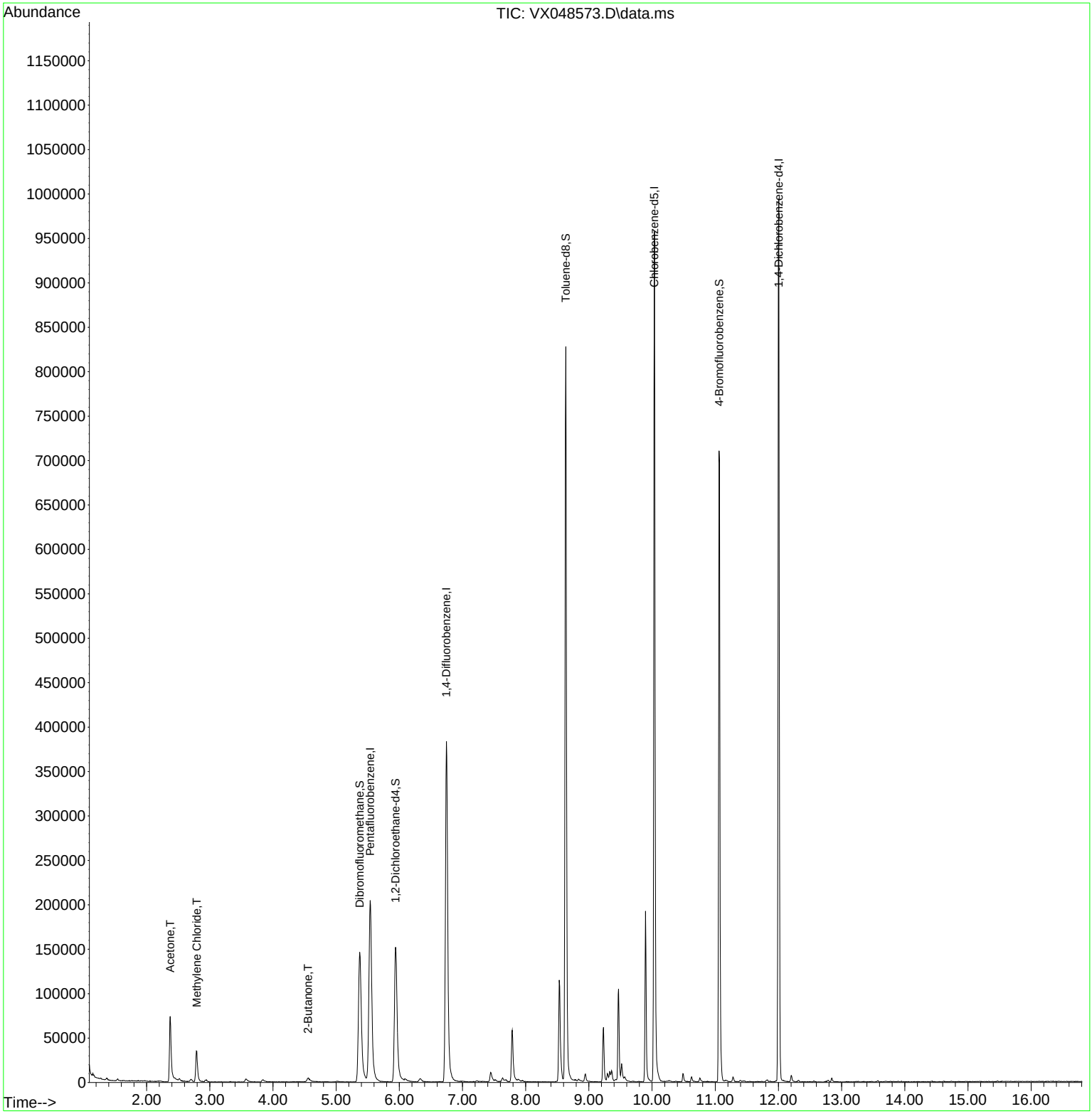
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.537	168	212518	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.745	114	429611	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	445317	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	214536	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.940	65	168989	57.066	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 114.140%			
35) Dibromofluoromethane	5.373	113	147905	45.487	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 90.980%			
50) Toluene-d8	8.634	98	521695	51.444	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 102.880%			
62) 4-Bromofluorobenzene	11.061	95	209428	55.415	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 110.840%			
Target Compounds						Qvalue
16) Acetone	2.373	43	99526	71.002	ug/l	99
20) Methylene Chloride	2.794	84	18055	6.265	ug/l	98
25) 2-Butanone	4.556	43	10024	4.834	ug/l #	88

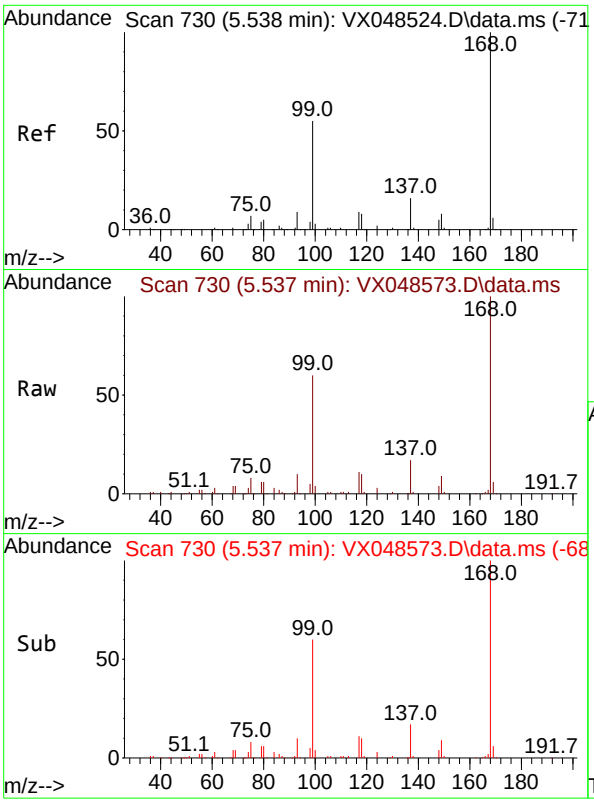
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX111225\
Data File : VX048573.D
Acq On : 12 Nov 2025 13:00
Operator : JC/MD
Sample : Q3604-02
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
S-2

Quant Time: Nov 12 13:18:28 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X110725W.M
Quant Title : SW846 8260
QLast Update : Sat Nov 08 05:08:11 2025
Response via : Initial Calibration



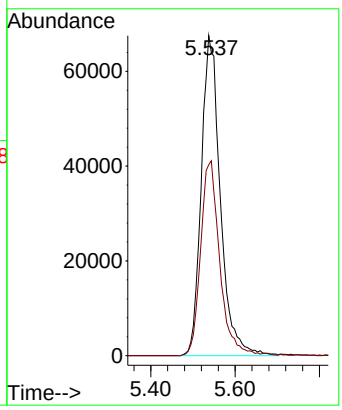


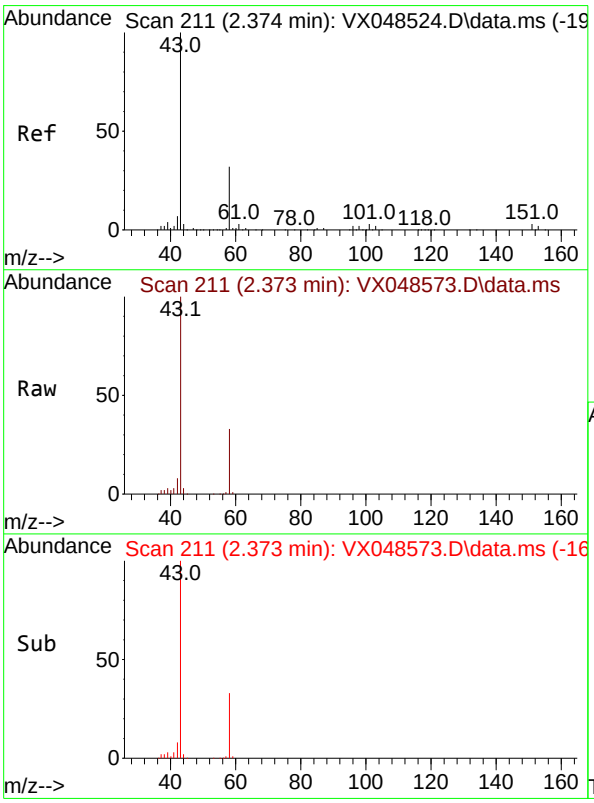
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.537 min Scan# 7
Delta R.T. -0.001 min
Lab File: VX048573.D
Acq: 12 Nov 2025 13:00

Instrument :
MSVOA_X
ClientSampleId :
S-2

Tgt Ion:168 Resp: 212518

Ion	Ratio	Lower	Upper
168	100		
99	59.6	45.2	67.8

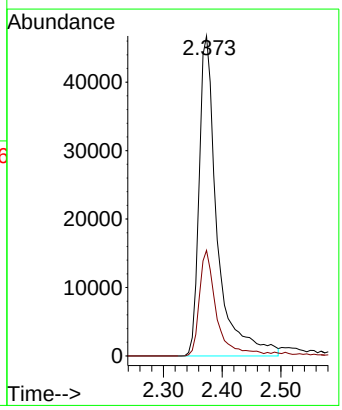


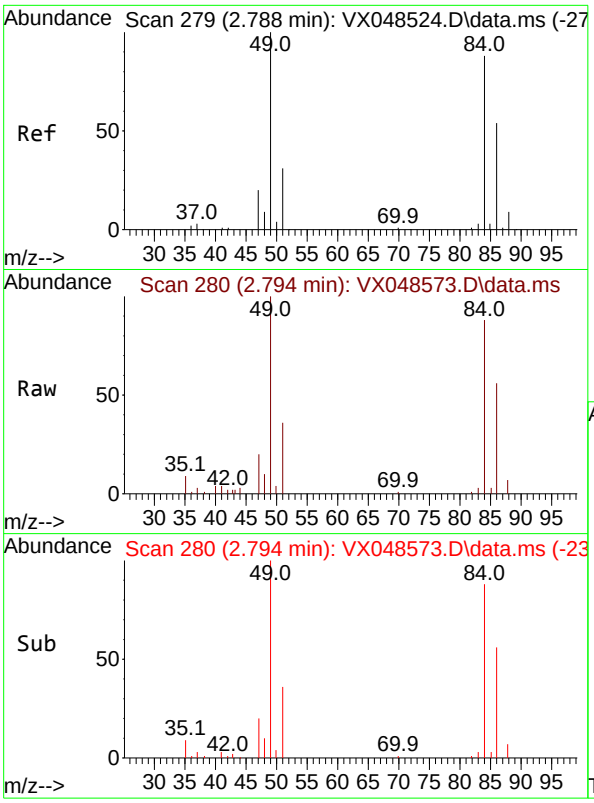


#16
Acetone
Concen: 71.002 ug/l
RT: 2.373 min Scan# 211
Delta R.T. -0.000 min
Lab File: VX048573.D
Acq: 12 Nov 2025 13:00

Tgt Ion: 43 Resp: 99526

Ion	Ratio	Lower	Upper
43	100		
58	33.0	25.8	38.6



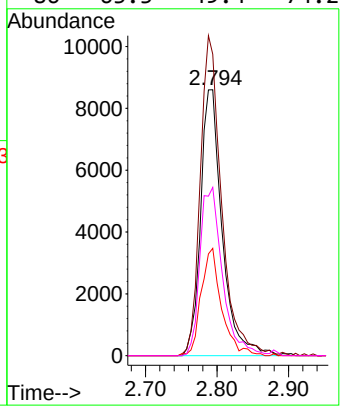


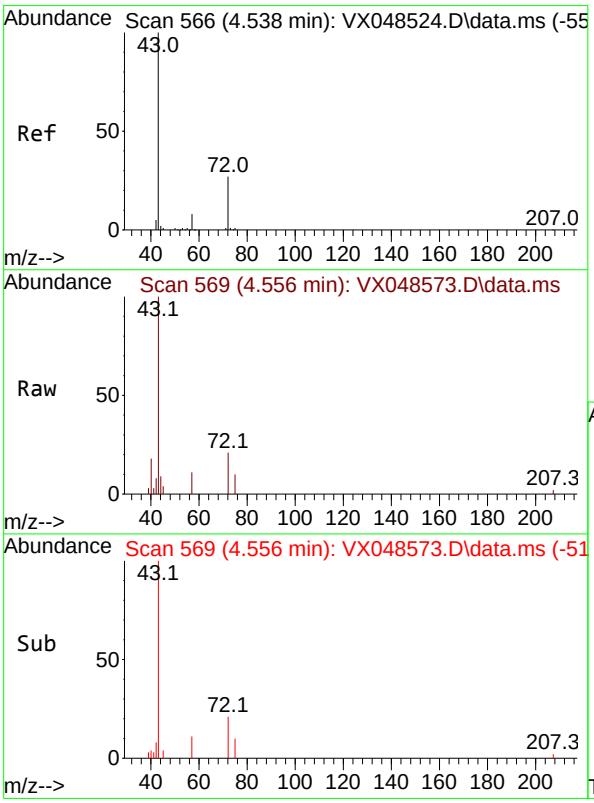
#20
Methylene Chloride
Concen: 6.265 ug/l
RT: 2.794 min Scan# 2
Delta R.T. 0.006 min
Lab File: VX048573.D
Acq: 12 Nov 2025 13:00

Instrument :
MSVOA_X
ClientSampleId :
S-2

Tgt Ion: 84 Resp: 18055

Ion	Ratio	Lower	Upper
84	100		
49	113.4	91.2	136.8
51	40.4	28.3	42.5
86	63.3	49.4	74.2

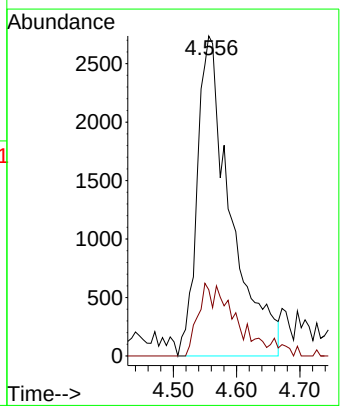


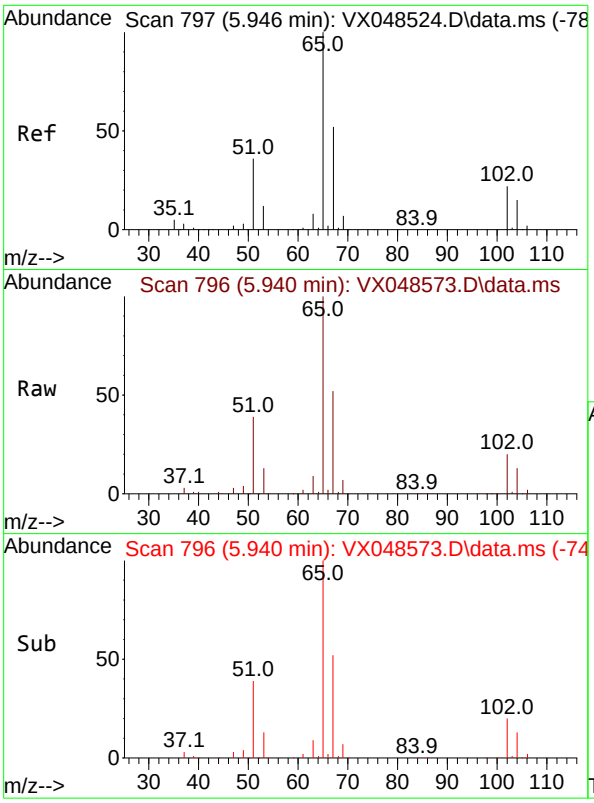


#25
2-Butanone
Concen: 4.834 ug/l
RT: 4.556 min Scan# 569
Delta R.T. 0.018 min
Lab File: VX048573.D
Acq: 12 Nov 2025 13:00

Tgt Ion: 43 Resp: 10024

Ion	Ratio	Lower	Upper
43	100		
72	20.7	21.5	32.3#



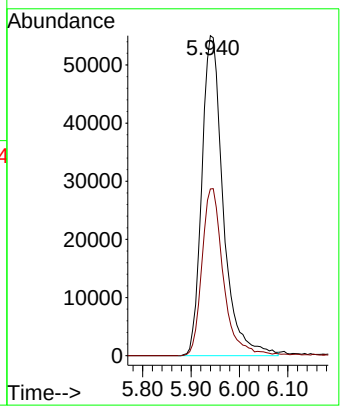


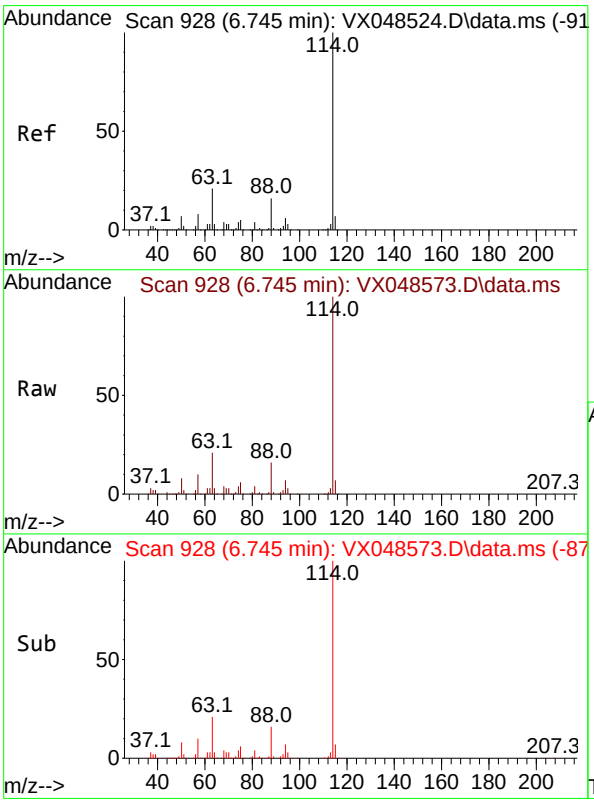
#33
1,2-Dichloroethane-d4
Concen: 57.066 ug/l
RT: 5.940 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX048573.D
Acq: 12 Nov 2025 13:00

Instrument :
MSVOA_X
ClientSampleId :
S-2

Tgt Ion: 65 Resp: 168989

Ion	Ratio	Lower	Upper
65	100		
67	52.5	0.0	106.2

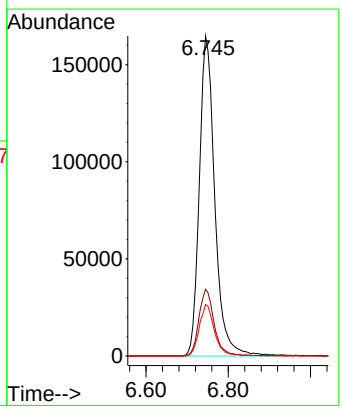


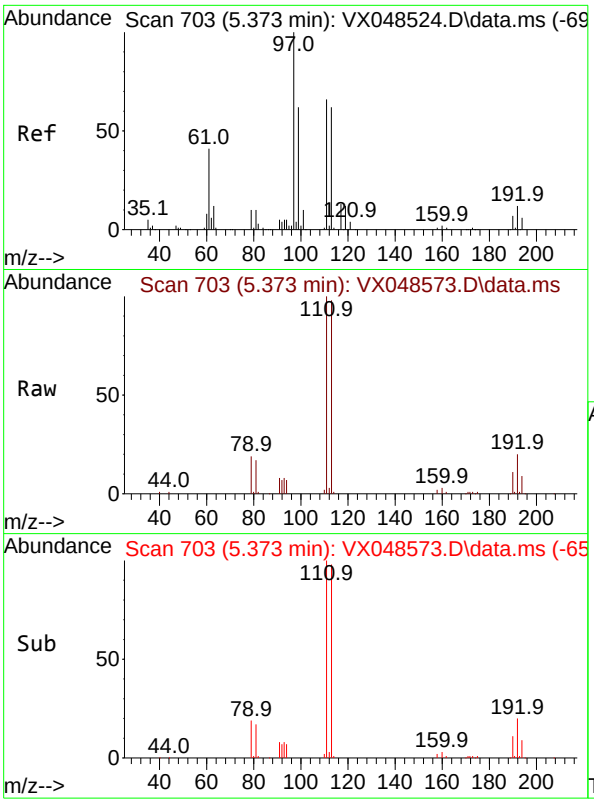


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.745 min Scan# 928
Delta R.T. -0.000 min
Lab File: VX048573.D
Acq: 12 Nov 2025 13:00

Tgt Ion:114 Resp: 429611

Ion	Ratio	Lower	Upper
114	100		
63	20.9	0.0	41.2
88	16.1	0.0	32.2



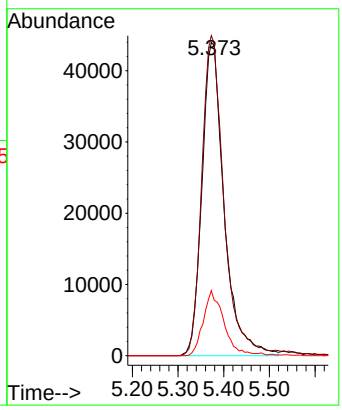


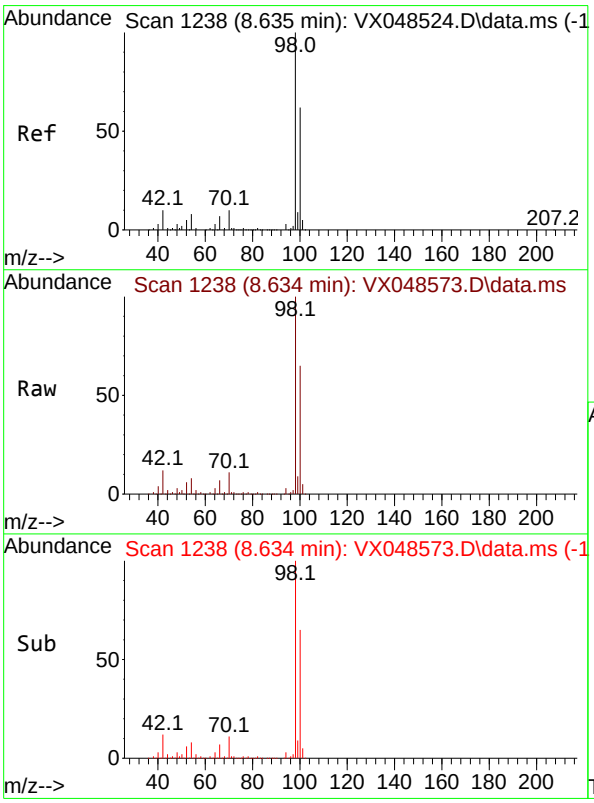
#35
Dibromofluoromethane
Concen: 45.487 ug/l
RT: 5.373 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX048573.D
Acq: 12 Nov 2025 13:00

Instrument :
MSVOA_X
ClientSampleId :
S-2

Tgt Ion:113 Resp: 147905

Ion	Ratio	Lower	Upper
113	100		
111	101.7	81.9	122.9
192	19.2	15.8	23.6

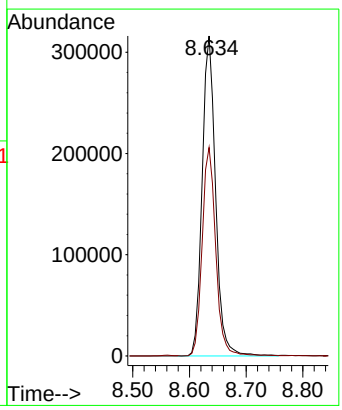


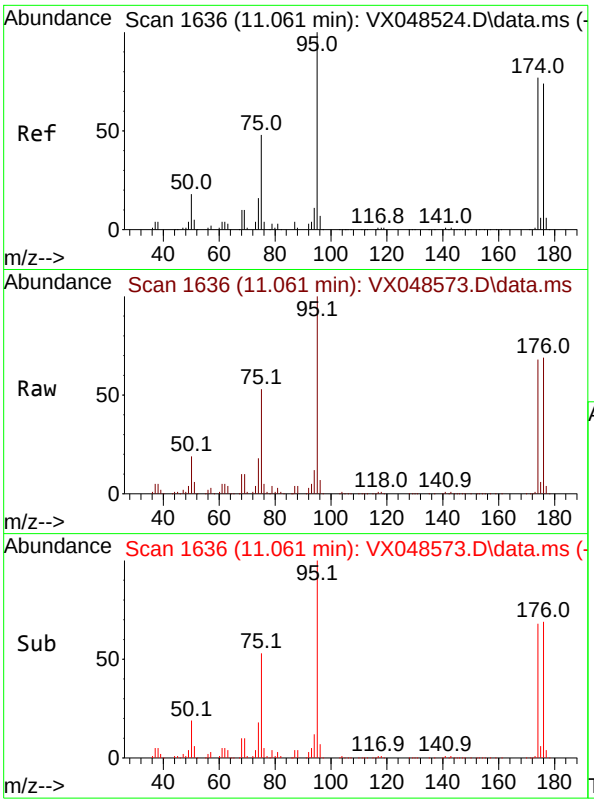


#50
Toluene-d8
Concen: 51.444 ug/l
RT: 8.634 min Scan# 1238
Delta R.T. -0.000 min
Lab File: VX048573.D
Acq: 12 Nov 2025 13:00

Tgt Ion: 98 Resp: 521695

Ion	Ratio	Lower	Upper
98	100		
100	65.7	53.6	80.4



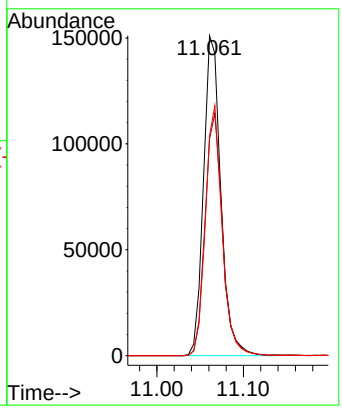


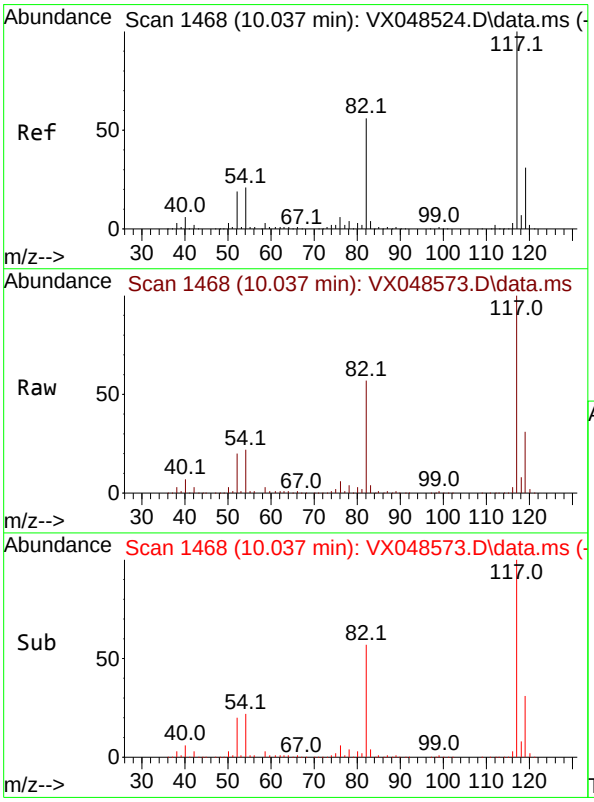
#62
4-Bromofluorobenzene
Concen: 55.415 ug/l
RT: 11.061 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048573.D
Acq: 12 Nov 2025 13:00

Instrument :
MSVOA_X
ClientSampleId :
S-2

Tgt Ion: 95 Resp: 209428

Ion	Ratio	Lower	Upper
95	100		
174	76.7	0.0	161.8
176	75.7	0.0	153.6

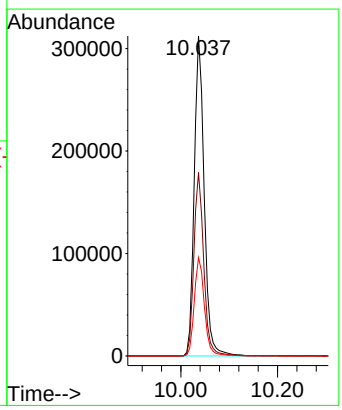


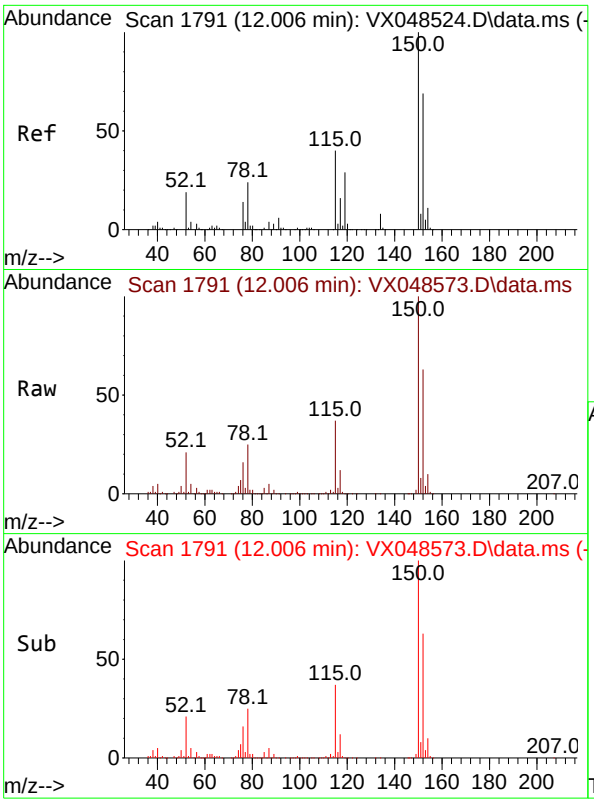


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.037 min Scan# 1468
Delta R.T. -0.000 min
Lab File: VX048573.D
Acq: 12 Nov 2025 13:00

Tgt Ion:117 Resp: 445317

Ion	Ratio	Lower	Upper
117	100		
82	57.3	44.4	66.6
119	30.7	25.1	37.7



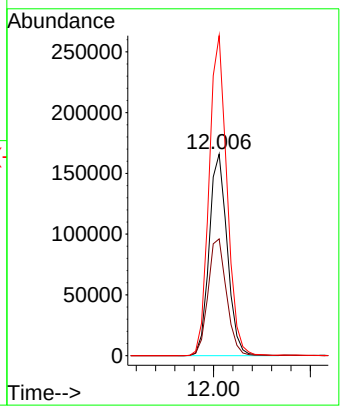


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.006 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048573.D
Acq: 12 Nov 2025 13:00

Instrument :
MSVOA_X
ClientSampleId :
S-2

Tgt Ion:152 Resp: 214536

Ion	Ratio	Lower	Upper
152	100		
115	59.6	39.2	117.6
150	157.3	0.0	347.0



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: ROMA02

Lab Code: ACE SDG No.: Q3604

Instrument ID: MSVOA_X Calibration Date(s): 11/07/2025 11/07/2025

Heated Purge: (Y/N) N Calibration Time(s): 13:35 16:29

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

LAB FILE ID: RRF001 = VX048516.D RRF005 = VX048517.D RRF020 = VX048518.D
RRF100 = VX048520.D RRF150 = VX048521.D RRF050 = VX048524.D

COMPOUND	RRF001	RRF005	RRF020	RRF100	RRF150	RRF050	$\overline{RRF}$	% RSD
Vinyl Chloride	0.666	0.579	0.608	0.601	0.597	0.600	0.608	4.9
1,1-Dichloroethene	0.669	0.584	0.591	0.555	0.548	0.545	0.582	8
2-Butanone	0.474	0.502	0.511	0.470	0.465	0.506	0.488	4.2
Carbon Tetrachloride	0.640	0.766	0.546	0.520	0.504	0.486	0.577	18.6
Chloroform	1.357	1.277	1.162	1.105	1.052	1.120	1.179	9.8
Benzene	1.745	2.038	1.468	1.396	1.369	1.408	1.571	17
1,2-Dichloroethane	0.540	0.721	0.525	0.489	0.473	0.481	0.538	17.3
Trichloroethene	0.423	0.390	0.356	0.366	0.363	0.355	0.375	7.1
Tetrachloroethene	0.444	0.364	0.352	0.344	0.348	0.327	0.363	11.4
Chlorobenzene	1.406	1.245	1.153	1.112	1.105	1.101	1.187	10.1
1,2-Dichloroethane-d4		0.775	0.723	0.677	0.623	0.685	0.697	8.1
Dibromofluoromethane		0.484	0.374	0.356	0.327	0.351	0.378	16.2
Toluene-d8		1.341	1.021	1.210	1.128	1.202	1.180	10
4-Bromofluorobenzene		0.523	0.365	0.445	0.423	0.443	0.440	12.9

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

Response Factor Report MSVOA_X2

Method Path : Z:\voasrv\HPCHEM1\MSVOA_X\Method\
Method File : 82X110725W.M
Title : SW846 8260
Last Update : Sat Nov 08 05:08:11 2025
Response Via : Initial Calibration

Calibration Files
1 =VX048516.D 5 =VX048517.D 20 =VX048518.D 50 =VX048524.D 100 =VX048520.D 150 =VX048521.D

		Compound	1	5	20	50	100	150	Avg	%RSD
1)	I	Pentafluorobenzene	----------ISTD----------							
2)	T	Dichlorodifluo...	0.365	0.364	0.352	0.424	0.452	0.474	0.405	12.78
3)	P	Chloromethane	0.603	0.457	0.425	0.592	0.581	0.565	0.537	14.19
4)	C	Vinyl Chloride	0.666	0.579	0.608	0.600	0.601	0.597	0.608	4.86#
5)	T	Bromomethane		0.468	0.417	0.426	0.323	0.287	0.384	19.75
6)	T	Chloroethane	0.465	0.419	0.397	0.383	0.370	0.357	0.398	9.77
7)	T	Trichlorofluor...	0.982	1.030	1.019	0.886	0.919	0.939	0.963	5.98
8)	T	Diethyl Ether	0.397	0.420	0.379	0.393	0.376	0.353	0.386	5.87
9)	T	1,1,2-Trichlor...	0.552	0.556	0.616	0.515	0.546	0.558	0.557	5.91
10)	T	Methyl Iodide		0.833	0.822	0.824	0.836	0.808	0.825	1.34
11)	T	Tert butyl alc...		0.129	0.133	0.138	0.132	0.127	0.132	3.25
12)	CM	1,1-Dichloroet...	0.669	0.584	0.591	0.545	0.555	0.548	0.582	8.02#
13)	T	Acrolein		0.023	0.015	0.020	0.017	0.020	0.019	16.42
14)	T	Allyl chloride	1.243	1.129	1.065	1.048	1.010	1.008	1.084	8.27
15)	T	Acrylonitrile	0.405	0.383	0.395	0.403	0.370	0.356	0.385	5.05
16)	T	Acetone	0.383	0.318	0.318	0.330	0.317	0.313	0.330	8.07
17)	T	Carbon Disulfide	2.045	1.739	1.609	1.489	1.468	1.477	1.638	13.75
18)	T	Methyl Acetate	1.195	0.876	0.857	0.869	0.818	0.823	0.906	15.80
19)	T	Methyl tert-bu...	2.163	2.158	2.049	2.117	1.984	1.861	2.055	5.70
20)	T	Methylene Chlo...	0.845	0.689	0.663	0.653	0.624	0.595	0.678	13.00
21)	T	trans-1,2-Dich...	0.700	0.650	0.612	0.598	0.585	0.557	0.617	8.29
22)	T	Diisopropyl ether	2.220	2.180	2.105	2.064	1.977	1.939	2.081	5.30
23)	T	Vinyl Acetate	1.912	1.901	1.838	1.827	1.747	1.710	1.822	4.43
24)	P	1,1-Dichloroet...	1.255	1.247	1.124	1.102	1.083	1.041	1.142	7.77
25)	T	2-Butanone	0.474	0.502	0.511	0.506	0.470	0.465	0.488	4.20
26)	T	2,2-Dichloropr...	1.079	1.044	0.975	0.883	0.934	0.925	0.973	7.71
27)	T	cis-1,2-Dichlo...	0.888	0.787	0.737	0.725	0.703	0.684	0.754	9.90
28)	T	Bromochloromet...	0.640	0.630	0.533	0.543	0.522	0.497	0.561	10.61
29)	T	Tetrahydrofuran	0.406	0.357	0.350	0.349	0.321	0.306	0.348	9.91
30)	C	Chloroform	1.357	1.277	1.162	1.120	1.105	1.052	1.179	9.79#
31)	T	Cyclohexane		1.001	1.004	0.867	0.896	0.910	0.936	6.73
32)	T	1,1,1-Trichlor...	1.160	1.087	1.026	0.973	0.979	0.947	1.029	7.90
33)	S	1,2-Dichloroet...		0.775	0.723	0.685	0.677	0.623	0.697	8.08
34)	I	1,4-Difluorobenzene	----------ISTD----------							
35)	S	Dibromofluorom...		0.484	0.374	0.351	0.356	0.327	0.378	16.22
36)	T	1,1-Dichloropr...	0.548	0.664	0.499	0.427	0.453	0.449	0.507	17.46
37)	T	Ethyl Acetate	0.748	0.901	0.676	0.667	0.648	0.639	0.713	13.96
38)	T	Carbon Tetrach...	0.640	0.766	0.546	0.486	0.520	0.504	0.577	18.63
39)	T	Methylcyclohexane	0.585	0.607	0.558	0.510	0.561	0.592	0.569	6.00
40)	TM	Benzene	1.745	2.038	1.468	1.408	1.396	1.369	1.571	16.99
41)	T	Methacrylonitrile	0.315	0.406	0.310	0.295	0.276	0.280	0.314	15.30
42)	TM	1,2-Dichloroet...	0.540	0.721	0.525	0.481	0.489	0.473	0.538	17.33
43)	T	Isopropyl Acetate	1.009	1.298	0.958	0.929	0.908	0.914	1.003	14.92
44)	TM	Trichloroethene	0.423	0.390	0.356	0.355	0.366	0.363	0.375	7.10
45)	C	1,2-Dichloropr...	0.417	0.381	0.319	0.358	0.352	0.340	0.361	9.45#
46)	T	Dibromomethane	0.278	0.303	0.217	0.268	0.264	0.251	0.263	10.84
47)	T	Bromodichlorom...	0.517	0.598	0.446	0.543	0.539	0.510	0.526	9.49
48)	T	Methyl methacr...	0.467	0.476	0.385	0.462	0.448	0.435	0.446	7.40
49)	T	1,4-Dioxane	0.006	0.007	0.006	0.007	0.008	0.007	0.007	12.02
50)	S	Toluene-d8		1.341	1.021	1.202	1.210	1.128	1.180	9.96
51)	T	4-Methyl-2-Pen...	0.505	0.667	0.514	0.620	0.573	0.546	0.571	11.02
52)	CM	Toluene	0.709	0.955	0.710	0.877	0.868	0.843	0.827	11.87#
53)	T	t-1,3-Dichloro...	0.513	0.609	0.452	0.572	0.561	0.542	0.541	10.02
54)	T	cis-1,3-Dichlo...	0.472	0.633	0.481	0.606	0.595	0.578	0.561	12.05
55)	T	1,1,2-Trichlor...	0.289	0.373	0.286	0.361	0.345	0.329	0.330	11.11
56)	T	Ethyl methacry...	0.446	0.594	0.474	0.618	0.594	0.573	0.550	13.05

Method Path : Z:\voasrv\HPCHEM1\MSVOA_X\Method\
Method File : 82X110725W.M

57)	T	1,3-Dichloropr...	0.529	0.674	0.498	0.618	0.581	0.551	0.575	11.11
58)	T	2-Chloroethyl ...	0.229	0.301	0.251	0.354	0.327	0.311	0.296	15.90
59)	T	2-Hexanone	0.360	0.487	0.390	0.464	0.429	0.416	0.425	10.96
60)	T	Dibromochlorom...	0.347	0.468	0.351	0.436	0.428	0.404	0.406	11.97
61)	T	1,2-Dibromoethane	0.309	0.417	0.308	0.381	0.374	0.358	0.358	11.93
62)	S	4-Bromofluorob...		0.523	0.365	0.443	0.445	0.423	0.440	12.88
63)	I	Chlorobenzene-d5	----------ISTD----------							
64)	T	Tetrachloroethene	0.444	0.364	0.352	0.327	0.344	0.348	0.363	11.38
65)	PM	Chlorobenzene	1.406	1.245	1.153	1.101	1.112	1.105	1.187	10.12
66)	T	1,1,1,2-Tetrac...	0.396	0.420	0.389	0.392	0.398	0.391	0.398	2.88
67)	C	Ethyl Benzene	2.253	2.045	1.976	1.887	1.899	1.898	1.993	7.08#
68)	T	m/p-Xylenes	0.764	0.793	0.758	0.720	0.736	0.733	0.751	3.49
69)	T	o-Xylene	0.795	0.746	0.721	0.703	0.714	0.726	0.734	4.50
70)	T	Styrene	1.228	1.256	1.227	1.210	1.226	1.244	1.232	1.30
71)	P	Bromoform	0.427	0.350	0.345	0.348	0.359	0.373	0.367	8.43
72)	I	1,4-Dichlorobenzen...	----------ISTD----------							
73)	T	Isopropylbenzene	3.857	3.727	3.683	3.466	3.551	3.492	3.629	4.20
74)	T	N-amyl acetate	1.998	1.826	1.851	1.793	1.739	1.727	1.822	5.41
75)	P	1,1,2,2-Tetrac...	1.544	1.284	1.230	1.229	1.207	1.185	1.280	10.45
76)	T	1,2,3-Trichlor...	1.270	1.113	1.134	1.470	1.128	1.112	1.205	11.88
77)	T	Bromobenzene	1.054	0.961	0.913	0.909	0.909	0.877	0.937	6.74
78)	T	n-propylbenzene	4.682	4.356	4.371	4.027	4.097	4.073	4.268	5.89
79)	T	2-Chlorotoluene	2.995	2.601	2.565	2.437	2.493	2.382	2.579	8.50
80)	T	1,3,5-Trimethy...	3.172	2.990	3.003	2.819	2.913	2.855	2.959	4.30
81)	T	trans-1,4-Dich...		0.376	0.398	0.433	0.444	0.454	0.421	7.75
82)	T	4-Chlorotoluene	3.437	3.105	2.985	2.866	2.916	2.842	3.025	7.37
83)	T	tert-Butylbenzene	3.231	3.058	3.080	2.945	3.036	3.010	3.060	3.13
84)	T	1,2,4-Trimethy...	3.224	2.963	2.991	2.897	2.951	2.886	2.985	4.14
85)	T	sec-Butylbenzene	4.137	3.883	3.841	3.496	3.643	3.693	3.782	5.90
86)	T	p-Isopropyltol...	3.445	3.138	3.226	2.988	3.123	3.159	3.180	4.76
87)	T	1,3-Dichlorobe...	2.076	1.785	1.686	1.644	1.680	1.668	1.756	9.34
88)	T	1,4-Dichlorobe...	2.329	1.860	1.676	1.678	1.671	1.672	1.814	14.49
89)	T	n-Butylbenzene	3.281	3.038	3.007	2.718	2.883	2.972	2.983	6.23
90)	T	Hexachloroethane	0.679	0.611	0.600	0.551	0.597	0.596	0.606	6.82
91)	T	1,2-Dichlorobe...	1.944	1.695	1.611	1.624	1.627	1.616	1.686	7.71
92)	T	1,2-Dibromo-3-...	0.304	0.308	0.294	0.297	0.298	0.285	0.297	2.66
93)	T	1,2,4-Trichlor...	1.353	1.032	1.057	1.066	1.097	1.117	1.120	10.53
94)	T	Hexachlorobuta...	0.611	0.467	0.450	0.406	0.421	0.455	0.468	15.66
95)	T	Naphthalene	3.675	3.299	3.529	3.700	3.732	3.682	3.603	4.56
96)	T	1,2,3-Trichlor...	1.170	0.973	0.994	1.016	1.049	1.051	1.042	6.70

(#) = Out of Range

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX110725\
Data File : VX048516.D
Acq On : 07 Nov 2025 13:35
Operator : JC/MD
Sample : VSTDICC001
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED

Reviewed By :John Carlone 11/10/2025
Supervised By :Semsettin Yesilyurt 11/10/2025

Quant Time: Nov 08 04:38:15 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X110725W.M
Quant Title : SW846 8260
QLast Update : Sat Nov 08 04:36:23 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Pentafluorobenzene	5.531	168	195603	50.000	ug/l		0.00
34) 1,4-Difluorobenzene	6.738	114	335919	50.000	ug/l		0.00
63) Chlorobenzene-d5	10.037	117	223304	50.000	ug/l		0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	110981	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 78 - 117		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 92 - 112		Recovery =	0.000%#			
62) 4-Bromofluorobenzene	0.000	95	0d	0.000	ug/l		
Spiked Amount 50.000	Range 83 - 123		Recovery =	0.000%#			
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.172	85	1427	0.900	ug/l		95
3) Chloromethane	1.300	50	2360	1.123	ug/l	#	87
4) Vinyl Chloride	1.380	62	2604	1.094	ug/l		99
6) Chloroethane	1.697	64	1819	1.167	ug/l	#	77
7) Trichlorofluoromethane	1.892	101	3842	1.020	ug/l		98
8) Diethyl Ether	2.130	74	1554	1.028	ug/l		85
9) 1,1,2-Trichlorotrifluo...	2.331	101	2160	0.991	ug/l	#	90
12) 1,1-Dichloroethene	2.319	96	2617	1.149	ug/l	#	86
14) Allyl chloride	2.666	41	4862	1.147	ug/l		95
15) Acrylonitrile	3.056	53	7915	5.250	ug/l		97
16) Acetone	2.373	43	7490	5.805	ug/l		98
17) Carbon Disulfide	2.514	76	8000	1.249	ug/l	#	93
18) Methyl Acetate	2.703	43	4673	1.318	ug/l		93
19) Methyl tert-butyl Ether	3.105	73	8461	1.052	ug/l	#	89
20) Methylene Chloride	2.788	84	3307	1.247	ug/l	#	87
21) trans-1,2-Dichloroethene	3.087	96	2739	1.135	ug/l		97
22) Diisopropyl ether	3.757	45	8684	1.067	ug/l		86
23) Vinyl Acetate	3.721	43	37398	5.246	ug/l		97
24) 1,1-Dichloroethane	3.605	63	4909	1.099	ug/l		95
25) 2-Butanone	4.544	43	9269	4.857	ug/l		95
26) 2,2-Dichloropropane	4.464	77	4220	1.108	ug/l		92
27) cis-1,2-Dichloroethene	4.477	96	3475	1.178	ug/l		96
28) Bromochloromethane	4.885	49	2504	1.141	ug/l	#	99
29) Tetrahydrofuran	4.995	42	7932	5.835	ug/l		92
30) Chloroform	5.080	83	5308	1.151	ug/l		84
32) 1,1,1-Trichloroethane	5.367	97	4539	1.128	ug/l	#	49
36) 1,1-Dichloropropene	5.678	75	3685	1.082	ug/l		99
37) Ethyl Acetate	4.714	43	5027	1.049	ug/l	#	88
38) Carbon Tetrachloride	5.659	117	4298	1.109	ug/l		89
39) Methylcyclohexane	7.360	83	3932	1.029	ug/l	#	88
40) Benzene	6.025	78	11724	1.111	ug/l		98
41) Methacrylonitrile	4.910	41	2117	1.005	ug/l	#	74
42) 1,2-Dichloroethane	6.068	62	3627	1.003	ug/l		94
43) Isopropyl Acetate	6.330	43	6781	1.007	ug/l		94
44) Trichloroethene	7.110	130	2845	1.128	ug/l		76
45) 1,2-Dichloropropane	7.409	63	2802	1.155	ug/l		91

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX110725\
Data File : VX048516.D
Acq On : 07 Nov 2025 13:35
Operator : JC/MD
Sample : VSTDICC001
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED

Reviewed By :John Carlone 11/10/2025
Supervised By :Semsettin Yesilyurt 11/10/2025

Quant Time: Nov 08 04:38:15 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X110725W.M
Quant Title : SW846 8260
QLast Update : Sat Nov 08 04:36:23 2025
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
46)	Dibromomethane	7.561	93	1870	1.057	ug/l		97
47)	Bromodichloromethane	7.805	83	3471	0.983	ug/l	#	73
48)	Methyl methacrylate	7.690	41	3138	1.048	ug/l		90
49)	1,4-Dioxane	7.653	88	811	17.773	ug/l	#	86
51)	4-Methyl-2-Pentanone	8.555	43	16970	4.426	ug/l		90
52)	Toluene	8.702	92	4764	0.857	ug/l		98
53)	t-1,3-Dichloropropene	8.964	75	3445	0.947	ug/l	#	86
54)	cis-1,3-Dichloropropene	8.354	75	3173	0.842	ug/l	#	78
55)	1,1,2-Trichloroethane	9.140	97	1939	0.874	ug/l	#	87
56)	Ethyl methacrylate	9.104	69	2995	0.811	ug/l	#	89
57)	1,3-Dichloropropane	9.293	76	3551	0.919	ug/l		97
58)	2-Chloroethyl Vinyl ether	8.226	63	7704m	3.915	ug/l		
59)	2-Hexanone	9.415	43	12104	4.243	ug/l		91
60)	Dibromochloromethane	9.500	129	2328	0.854	ug/l		92
61)	1,2-Dibromoethane	9.598	107	2078	0.864	ug/l		87
64)	Tetrachloroethene	9.250	164	1983	1.223	ug/l	#	83
65)	Chlorobenzene	10.067	112	6278	1.184	ug/l		95
66)	1,1,1,2-Tetrachloroethane	10.140	131	1769	0.996	ug/l	#	55
67)	Ethyl Benzene	10.177	91	10060	1.130	ug/l		96
68)	m/p-Xylenes	10.287	106	6820	2.035	ug/l		96
69)	o-Xylene	10.622	106	3552	1.083	ug/l		98
70)	Styrene	10.640	104	5483	0.997	ug/l		94
71)	Bromoform	10.787	173	1905	1.163	ug/l	#	89
73)	Isopropylbenzene	10.945	105	8562	1.063	ug/l		99
74)	N-amyl acetate	10.829	43	4435	1.096	ug/l	#	91
75)	1,1,2,2-Tetrachloroethane	11.195	83	3428	1.207	ug/l		97
76)	1,2,3-Trichloropropane	11.219	75	2820m	1.192	ug/l		
77)	Bromobenzene	11.183	156	2339	1.124	ug/l		98
78)	n-propylbenzene	11.286	91	10393	1.097	ug/l		99
79)	2-Chlorotoluene	11.347	91	6648	1.161	ug/l		98
80)	1,3,5-Trimethylbenzene	11.433	105	7041	1.072	ug/l		94
82)	4-Chlorotoluene	11.439	91	7628	1.136	ug/l		97
83)	tert-Butylbenzene	11.695	119	7172	1.056	ug/l		100
84)	1,2,4-Trimethylbenzene	11.731	105	7156	1.080	ug/l		97
85)	sec-Butylbenzene	11.872	105	9183	1.094	ug/l		96
86)	p-Isopropyltoluene	11.994	119	7646	1.083	ug/l		92
87)	1,3-Dichlorobenzene	11.951	146	4609	1.182	ug/l		96
88)	1,4-Dichlorobenzene	12.018	146	5170m	1.314	ug/l		
89)	n-Butylbenzene	12.317	91	7282	1.100	ug/l		94
90)	Hexachloroethane	12.518	117	1507	1.121	ug/l		95
91)	1,2-Dichlorobenzene	12.323	146	4315	1.153	ug/l		97
92)	1,2-Dibromo-3-Chloropr...	12.932	75	674	1.021	ug/l		96
93)	1,2,4-Trichlorobenzene	13.567	180	3004	1.208	ug/l		96
94)	Hexachlorobutadiene	13.707	225	1356	1.304	ug/l		97
95)	Naphthalene	13.762	128	8156	1.020	ug/l		98
96)	1,2,3-Trichlorobenzene	13.944	180	2598	1.123	ug/l		89

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

ICAL Form

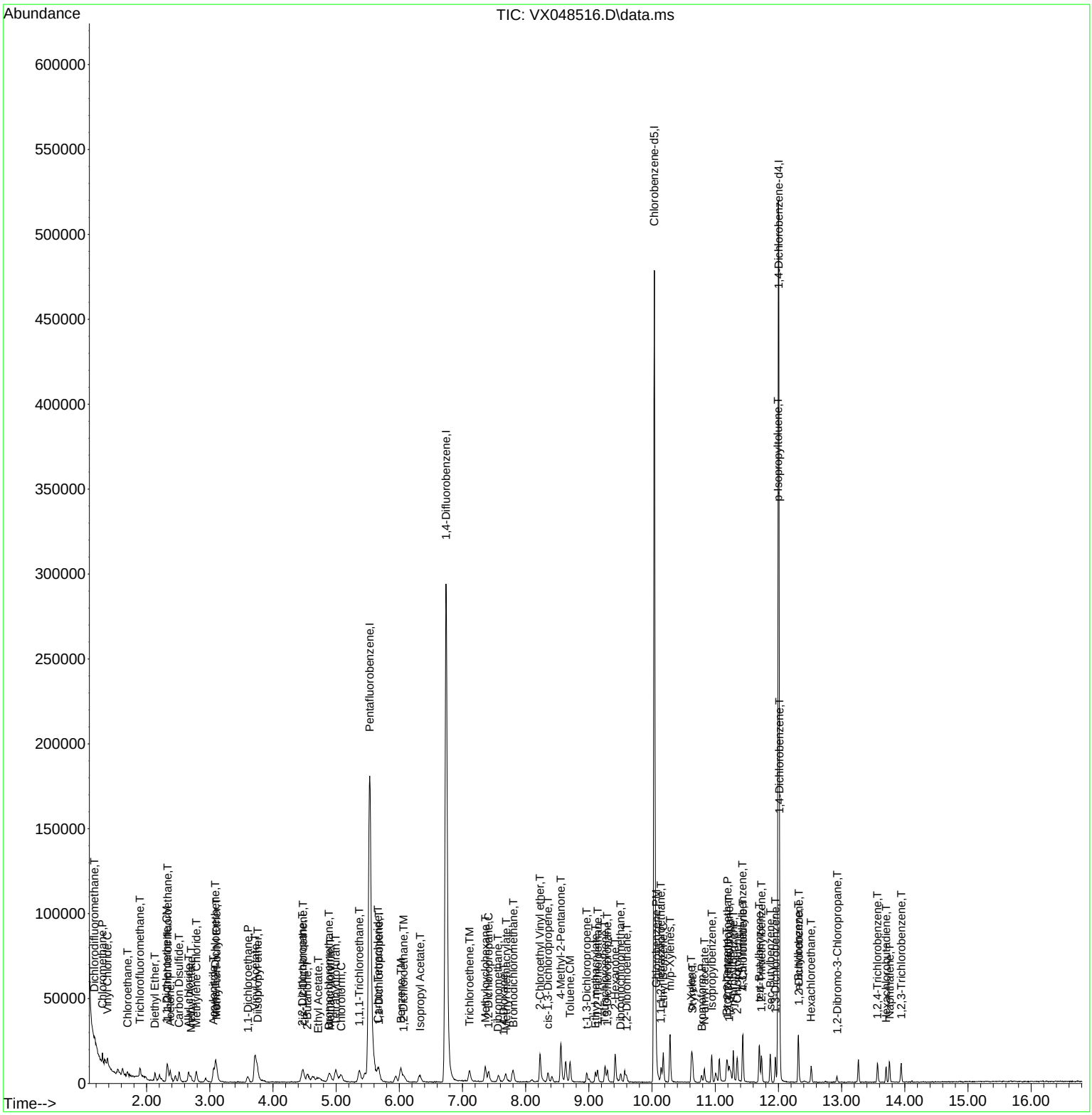
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX110725\
Data File : VX048516.D
Acq On : 07 Nov 2025 13:35
Operator : JC/MD
Sample : VSTDICC001
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Nov 08 04:38:15 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X110725W.M
Quant Title : SW846 8260
QLast Update : Sat Nov 08 04:36:23 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED

Reviewed By :John Carlone 11/10/2025
Supervised By :Semsettin Yesilyurt 11/10/2025



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX110725\
Data File : VX048517.D
Acq On : 07 Nov 2025 13:56
Operator : JC/MD
Sample : VSTDICC005
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

Reviewed By :John Carlone 11/10/2025
Supervised By :Semsettin Yesilyurt 11/10/2025

Quant Time: Nov 08 04:38:58 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X110725W.M
Quant Title : SW846 8260
QLast Update : Sat Nov 08 04:36:23 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Pentafluorobenzene	5.538	168	193270	50.000	ug/l		0.00
34) 1,4-Difluorobenzene	6.745	114	250338	50.000	ug/l		0.00
63) Chlorobenzene-d5	10.037	117	225597	50.000	ug/l		0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	118579	50.000	ug/l		0.00
System Monitoring Compounds							
33) 1,2-Dichloroethane-d4	5.946	65	14969	5.558	ug/l		0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	11.120%#			
35) Dibromofluoromethane	5.373	113	12118	6.396	ug/l		0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	12.800%#			
50) Toluene-d8	8.635	98	33563	5.680	ug/l		0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	11.360%#			
62) 4-Bromofluorobenzene	11.061	95	13095	5.946	ug/l		0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	11.900%#			
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.173	85	7029	4.488	ug/l		98
3) Chloromethane	1.301	50	8841	4.256	ug/l		89
4) Vinyl Chloride	1.380	62	11197	4.761	ug/l		89
5) Bromomethane	1.611	94	9050	6.088	ug/l		100
6) Chloroethane	1.691	64	8089	5.252	ug/l		90
7) Trichlorofluoromethane	1.892	101	19916	5.353	ug/l		97
8) Diethyl Ether	2.136	74	8115	5.434	ug/l		97
9) 1,1,2-Trichlorotrifluo...	2.331	101	10746	4.989	ug/l		98
10) Methyl Iodide	2.453	142	16103	5.052	ug/l		94
11) Tert butyl alcohol	2.947	59	12490	24.476	ug/l		99
12) 1,1-Dichloroethene	2.325	96	11295	5.020	ug/l		90
13) Acrolein	2.246	56	2253	30.799	ug/l		94
14) Allyl chloride	2.666	41	21817	5.208	ug/l		95
15) Acrylonitrile	3.056	53	37042	24.865	ug/l		94
16) Acetone	2.374	43	30713	24.093	ug/l		98
17) Carbon Disulfide	2.514	76	33603	5.308	ug/l		99
18) Methyl Acetate	2.697	43	16930	4.833	ug/l		98
19) Methyl tert-butyl Ether	3.105	73	41711	5.250	ug/l		98
20) Methylene Chloride	2.788	84	13313	5.080	ug/l		93
21) trans-1,2-Dichloroethene	3.093	96	12560	5.267	ug/l		87
22) Diisopropyl ether	3.751	45	42130	5.238	ug/l		92
23) Vinyl Acetate	3.715	43	183665	26.073	ug/l		95
24) 1,1-Dichloroethane	3.605	63	24095	5.459	ug/l		98
25) 2-Butanone	4.544	43	48544	25.742	ug/l		90
26) 2,2-Dichloropropane	4.471	77	20186	5.365	ug/l		100
27) cis-1,2-Dichloroethene	4.477	96	15219	5.221	ug/l		95
28) Bromochloromethane	4.885	49	12176	5.616	ug/l		96
29) Tetrahydrofuran	5.001	42	34508	25.691	ug/l		98
30) Chloroform	5.080	83	24671	5.415	ug/l		98
31) Cyclohexane	5.464	56	19337	5.347	ug/l		98
32) 1,1,1-Trichloroethane	5.373	97	21014	5.285	ug/l		98
36) 1,1-Dichloropropene	5.678	75	16623	6.552	ug/l		97
37) Ethyl Acetate	4.702	43	22548	6.314	ug/l		98
38) Carbon Tetrachloride	5.666	117	19186	6.643	ug/l	#	97
39) Methylcyclohexane	7.367	83	15183	5.330	ug/l		95
40) Benzene	6.025	78	51007	6.486	ug/l		95

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX110725\
Data File : VX048517.D
Acq On : 07 Nov 2025 13:56
Operator : JC/MD
Sample : VSTDICC005
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

Reviewed By :John Carlone 11/10/2025
Supervised By :Semsettin Yesilyurt 11/10/2025

Quant Time: Nov 08 04:38:58 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X110725W.M
Quant Title : SW846 8260
QLast Update : Sat Nov 08 04:36:23 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	4.910	41	10171	6.476	ug/l		99
42) 1,2-Dichloroethane	6.080	62	18051	6.699	ug/l		98
43) Isopropyl Acetate	6.324	43	32505	6.475	ug/l		96
44) Trichloroethene	7.117	130	9754	5.189	ug/l		97
45) 1,2-Dichloropropane	7.415	63	9530	5.270	ug/l		97
46) Dibromomethane	7.568	93	7573	5.742	ug/l		96
47) Bromodichloromethane	7.812	83	14970	5.690	ug/l	#	97
48) Methyl methacrylate	7.684	41	11928	5.345	ug/l		93
49) 1,4-Dioxane	7.647	88	3476	102.220	ug/l	#	93
51) 4-Methyl-2-Pentanone	8.555	43	83493	29.217	ug/l		95
52) Toluene	8.708	92	23897	5.772	ug/l		95
53) t-1,3-Dichloropropene	8.964	75	15253	5.626	ug/l		100
54) cis-1,3-Dichloropropene	8.354	75	15836	5.641	ug/l		92
55) 1,1,2-Trichloroethane	9.135	97	9348	5.651	ug/l		96
56) Ethyl methacrylate	9.104	69	14858	5.398	ug/l		89
57) 1,3-Dichloropropane	9.293	76	16872	5.860	ug/l		98
58) 2-Chloroethyl Vinyl ether	8.226	63	37670m	25.686	ug/l		
59) 2-Hexanone	9.415	43	60936	28.666	ug/l		94
60) Dibromochloromethane	9.506	129	11712	5.766	ug/l		98
61) 1,2-Dibromoethane	9.598	107	10441	5.827	ug/l		100
64) Tetrachloroethene	9.256	164	8201	5.005	ug/l		98
65) Chlorobenzene	10.061	112	28081	5.244	ug/l		95
66) 1,1,1,2-Tetrachloroethane	10.147	131	9473	5.280	ug/l		94
67) Ethyl Benzene	10.177	91	46125	5.130	ug/l		98
68) m/p-Xylenes	10.287	106	35759	10.559	ug/l		100
69) o-Xylene	10.628	106	16824	5.078	ug/l		99
70) Styrene	10.640	104	28334	5.098	ug/l		97
71) Bromoform	10.787	173	7895	4.770	ug/l	#	99
73) Isopropylbenzene	10.945	105	44193	5.134	ug/l		99
74) N-amyl acetate	10.829	43	21656	5.011	ug/l		95
75) 1,1,2,2-Tetrachloroethane	11.195	83	15227	5.017	ug/l		100
76) 1,2,3-Trichloropropane	11.226	75	13198m	5.220	ug/l		
77) Bromobenzene	11.183	156	11396	5.127	ug/l		99
78) n-propylbenzene	11.287	91	51649	5.103	ug/l		100
79) 2-Chlorotoluene	11.348	91	30839	5.043	ug/l		98
80) 1,3,5-Trimethylbenzene	11.433	105	35455	5.053	ug/l		99
81) trans-1,4-Dichloro-2-b...	11.000	75	4463	4.469	ug/l	#	80
82) 4-Chlorotoluene	11.439	91	36813	5.132	ug/l		99
83) tert-Butylbenzene	11.695	119	36264	4.997	ug/l		97
84) 1,2,4-Trimethylbenzene	11.732	105	35130	4.962	ug/l		100
85) sec-Butylbenzene	11.872	105	46046	5.133	ug/l		100
86) p-Isopropyltoluene	11.994	119	37206	4.934	ug/l		97
87) 1,3-Dichlorobenzene	11.951	146	21165	5.081	ug/l		99
88) 1,4-Dichlorobenzene	12.024	146	22051	5.247	ug/l		95
89) n-Butylbenzene	12.317	91	36025	5.092	ug/l		98
90) Hexachloroethane	12.518	117	7251	5.047	ug/l		97
91) 1,2-Dichlorobenzene	12.317	146	20105	5.028	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	12.927	75	3647	5.170	ug/l		90
93) 1,2,4-Trichlorobenzene	13.573	180	12241	4.606	ug/l		99
94) Hexachlorobutadiene	13.707	225	5537	4.984	ug/l		99
95) Naphthalene	13.756	128	39122	4.579	ug/l		98
96) 1,2,3-Trichlorobenzene	13.945	180	11538	4.668	ug/l		99

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX110725\
Data File : VX048517.D
Acq On : 07 Nov 2025 13:56
Operator : JC/MD
Sample : VSTDICC005
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

Reviewed By :John Carlone 11/10/2025
Supervised By :Semsettin Yesilyurt 11/10/2025

Quant Time: Nov 08 04:38:58 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X110725W.M
Quant Title : SW846 8260
QLast Update : Sat Nov 08 04:36:23 2025
Response via : Initial Calibration

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

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

ICAL Form

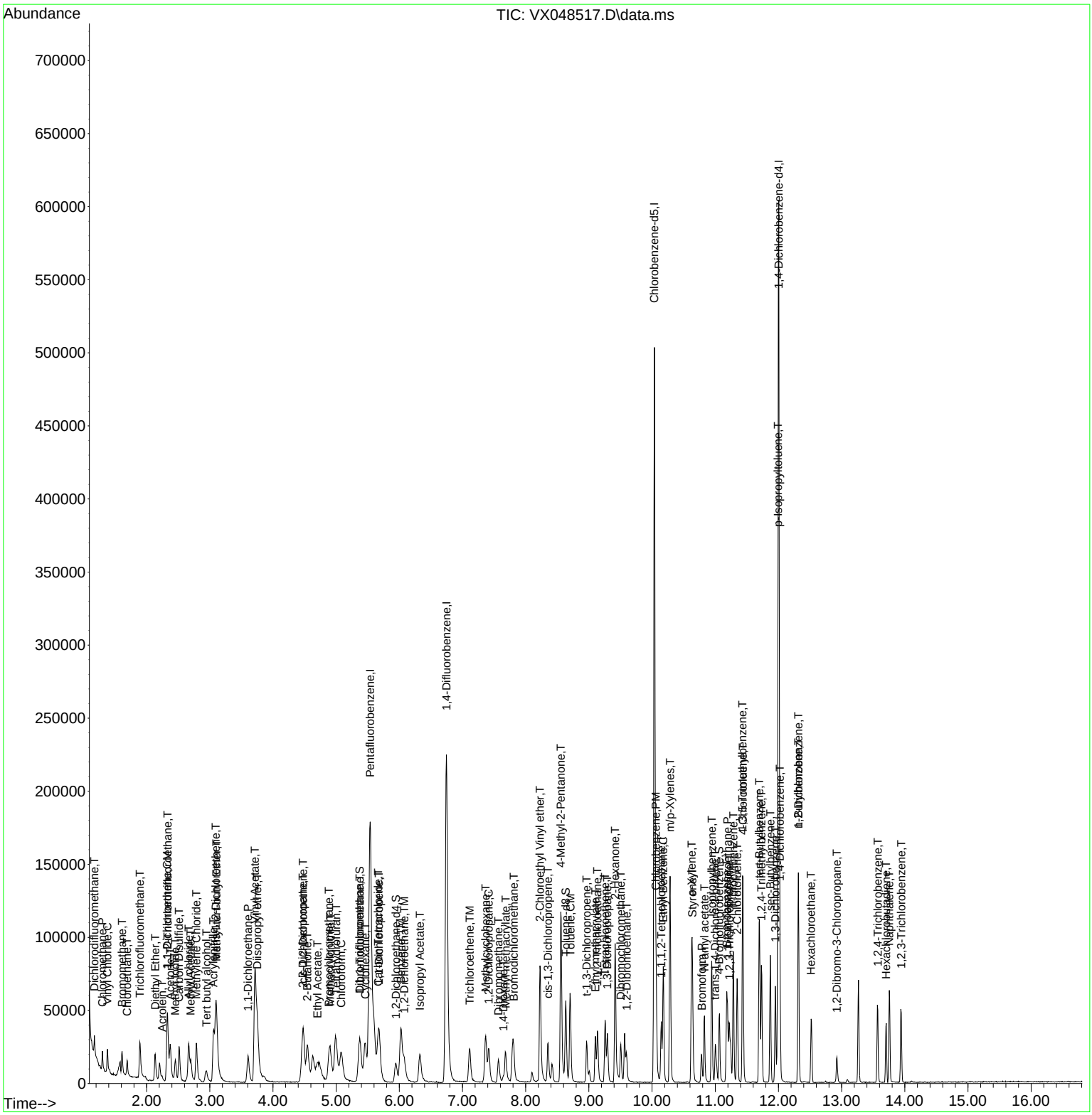
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX110725\
Data File : VX048517.D
Acq On : 07 Nov 2025 13:56
Operator : JC/MD
Sample : VSTDICC005
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Nov 08 04:38:58 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X110725W.M
Quant Title : SW846 8260
QLast Update : Sat Nov 08 04:36:23 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

Reviewed By :John Carlone 11/10/2025
Supervised By :Semsettin Yesilyurt 11/10/2025



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX110725\
Data File : VX048518.D
Acq On : 07 Nov 2025 14:16
Operator : JC/MD
Sample : VSTDICC020
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

Reviewed By :John Carlone 11/10/2025
Supervised By :Semsettin Yesilyurt 11/10/2025

Quant Time: Nov 08 04:39:45 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X110725W.M
Quant Title : SW846 8260
QLast Update : Sat Nov 08 04:36:23 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.538	168	203076	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.745	114	331319	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	232027	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	120318	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	58757	20.764	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	41.520%#		
35) Dibromofluoromethane	5.373	113	49531	19.752	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	39.500%#		
50) Toluene-d8	8.635	98	135275	17.297	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	34.600%#		
62) 4-Bromofluorobenzene	11.061	95	48386	16.601	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	33.200%#		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.173	85	28628	17.397	ug/l	98
3) Chloromethane	1.301	50	34522	15.817	ug/l	99
4) Vinyl Chloride	1.380	62	49358	19.974	ug/l	97
5) Bromomethane	1.618	94	33868	21.683	ug/l	98
6) Chloroethane	1.697	64	32257	19.932	ug/l	98
7) Trichlorofluoromethane	1.898	101	82782	21.175	ug/l	95
8) Diethyl Ether	2.136	74	30818	19.639	ug/l	91
9) 1,1,2-Trichlorotrifluo...	2.337	101	50073	22.124	ug/l	97
10) Methyl Iodide	2.459	142	66788	19.940	ug/l	100
11) Tert butyl alcohol	2.941	59	53988	100.687	ug/l	98
12) 1,1-Dichloroethene	2.325	96	48003	20.306	ug/l	95
13) Acrolein	2.239	56	6094m	79.282	ug/l	
14) Allyl chloride	2.666	41	86510	19.655	ug/l	97
15) Acrylonitrile	3.056	53	160471	102.519	ug/l	99
16) Acetone	2.374	43	129334	96.557	ug/l	97
17) Carbon Disulfide	2.514	76	130735	19.652	ug/l	99
18) Methyl Acetate	2.697	43	69637	18.918	ug/l	99
19) Methyl tert-butyl Ether	3.105	73	166418	19.935	ug/l	100
20) Methylene Chloride	2.788	84	53829	19.547	ug/l	94
21) trans-1,2-Dichloroethene	3.093	96	49731	19.848	ug/l	98
22) Diisopropyl ether	3.751	45	170973	20.230	ug/l	98
23) Vinyl Acetate	3.715	43	746382	100.838	ug/l	98
24) 1,1-Dichloroethane	3.605	63	91293	19.686	ug/l	98
25) 2-Butanone	4.538	43	207425	104.681	ug/l	98
26) 2,2-Dichloropropane	4.471	77	79199	20.032	ug/l	100
27) cis-1,2-Dichloroethene	4.483	96	59896	19.557	ug/l	98
28) Bromochloromethane	4.885	49	43296	19.005	ug/l	99
29) Tetrahydrofuran	4.989	42	142200	100.757	ug/l	98
30) Chloroform	5.087	83	94424	19.723	ug/l	98
31) Cyclohexane	5.464	56	81570	21.467	ug/l	96
32) 1,1,1-Trichloroethane	5.373	97	83345	19.948	ug/l	98
36) 1,1-Dichloropropene	5.684	75	66129	19.694	ug/l	97
37) Ethyl Acetate	4.696	43	89614	18.959	ug/l	100
38) Carbon Tetrachloride	5.666	117	72325	18.922	ug/l	98
39) Methylcyclohexane	7.367	83	73943	19.612	ug/l	99
40) Benzene	6.025	78	194589	18.695	ug/l	95

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX110725\
Data File : VX048518.D
Acq On : 07 Nov 2025 14:16
Operator : JC/MD
Sample : VSTDICC020
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

Reviewed By :John Carlone 11/10/2025
Supervised By :Semsettin Yesilyurt 11/10/2025

Quant Time: Nov 08 04:39:45 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X110725W.M
Quant Title : SW846 8260
QLast Update : Sat Nov 08 04:36:23 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
41) Methacrylonitrile	4.904	41	41068	19.757 ug/l	97
42) 1,2-Dichloroethane	6.074	62	69540	19.499 ug/l	99
43) Isopropyl Acetate	6.324	43	126911	19.101 ug/l	99
44) Trichloroethene	7.117	130	47204	18.973 ug/l	99
45) 1,2-Dichloropropane	7.415	63	42265	17.660 ug/l	98
46) Dibromomethane	7.568	93	28753	16.472 ug/l	96
47) Bromodichloromethane	7.806	83	59084	16.967 ug/l	99
48) Methyl methacrylate	7.678	41	51074	17.292 ug/l	91
49) 1,4-Dioxane	7.641	88	14684	326.274 ug/l #	94
51) 4-Methyl-2-Pentanone	8.555	43	340555	90.045 ug/l	97
52) Toluene	8.702	92	94154	17.182 ug/l	98
53) t-1,3-Dichloropropene	8.964	75	59921	16.700 ug/l	99
54) cis-1,3-Dichloropropene	8.354	75	63747	17.157 ug/l	93
55) 1,1,2-Trichloroethane	9.135	97	37862	17.293 ug/l	96
56) Ethyl methacrylate	9.098	69	62768	17.232 ug/l #	90
57) 1,3-Dichloropropane	9.293	76	65949	17.306 ug/l	97
58) 2-Chloroethyl Vinyl ether	8.226	63	166309m	85.683 ug/l	
59) 2-Hexanone	9.415	43	258663	91.942 ug/l	96
60) Dibromochloromethane	9.506	129	46524	17.307 ug/l	97
61) 1,2-Dibromoethane	9.592	107	40837	17.221 ug/l	99
64) Tetrachloroethene	9.256	164	32666	19.383 ug/l	98
65) Chlorobenzene	10.061	112	106968	19.423 ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.147	131	36079	19.552 ug/l	98
67) Ethyl Benzene	10.177	91	183401	19.832 ug/l	97
68) m/p-Xylenes	10.287	106	140701	40.397 ug/l	96
69) o-Xylene	10.628	106	66957	19.649 ug/l	98
70) Styrene	10.640	104	113854	19.917 ug/l	98
71) Bromoform	10.781	173	32046	18.824 ug/l #	98
73) Isopropylbenzene	10.945	105	177238	20.294 ug/l	98
74) N-amyl acetate	10.823	43	89078	20.313 ug/l	96
75) 1,1,2,2-Tetrachloroethane	11.195	83	59190	19.218 ug/l	99
76) 1,2,3-Trichloropropane	11.220	75	54573m	21.273 ug/l	
77) Bromobenzene	11.183	156	43931	19.480 ug/l	98
78) n-propylbenzene	11.287	91	210347	20.483 ug/l	98
79) 2-Chlorotoluene	11.348	91	123455	19.895 ug/l	98
80) 1,3,5-Trimethylbenzene	11.433	105	144509	20.297 ug/l	99
81) trans-1,4-Dichloro-2-b...	11.000	75	19161	18.908 ug/l	90
82) 4-Chlorotoluene	11.439	91	143646	19.735 ug/l	99
83) tert-Butylbenzene	11.695	119	148245	20.131 ug/l	97
84) 1,2,4-Trimethylbenzene	11.732	105	143930	20.036 ug/l	100
85) sec-Butylbenzene	11.872	105	184842	20.309 ug/l	99
86) p-Isopropyltoluene	11.994	119	155276	20.293 ug/l	98
87) 1,3-Dichlorobenzene	11.951	146	81125	19.193 ug/l	99
88) 1,4-Dichlorobenzene	12.024	146	80643	18.910 ug/l	97
89) n-Butylbenzene	12.311	91	144697	20.158 ug/l	98
90) Hexachloroethane	12.518	117	28866	19.800 ug/l	100
91) 1,2-Dichlorobenzene	12.317	146	77511	19.103 ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.920	75	14148	19.767 ug/l	95
93) 1,2,4-Trichlorobenzene	13.567	180	50883	18.871 ug/l	99
94) Hexachlorobutadiene	13.707	225	21648	19.206 ug/l	100
95) Naphthalene	13.756	128	169835	19.591 ug/l	100
96) 1,2,3-Trichlorobenzene	13.939	180	47818	19.066 ug/l	99

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX110725\
Data File : VX048518.D
Acq On : 07 Nov 2025 14:16
Operator : JC/MD
Sample : VSTDICC020
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

Reviewed By :John Carlone 11/10/2025
Supervised By :Semsettin Yesilyurt 11/10/2025

Quant Time: Nov 08 04:39:45 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X110725W.M
Quant Title : SW846 8260
QLast Update : Sat Nov 08 04:36:23 2025
Response via : Initial Calibration

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

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

ICAL Form

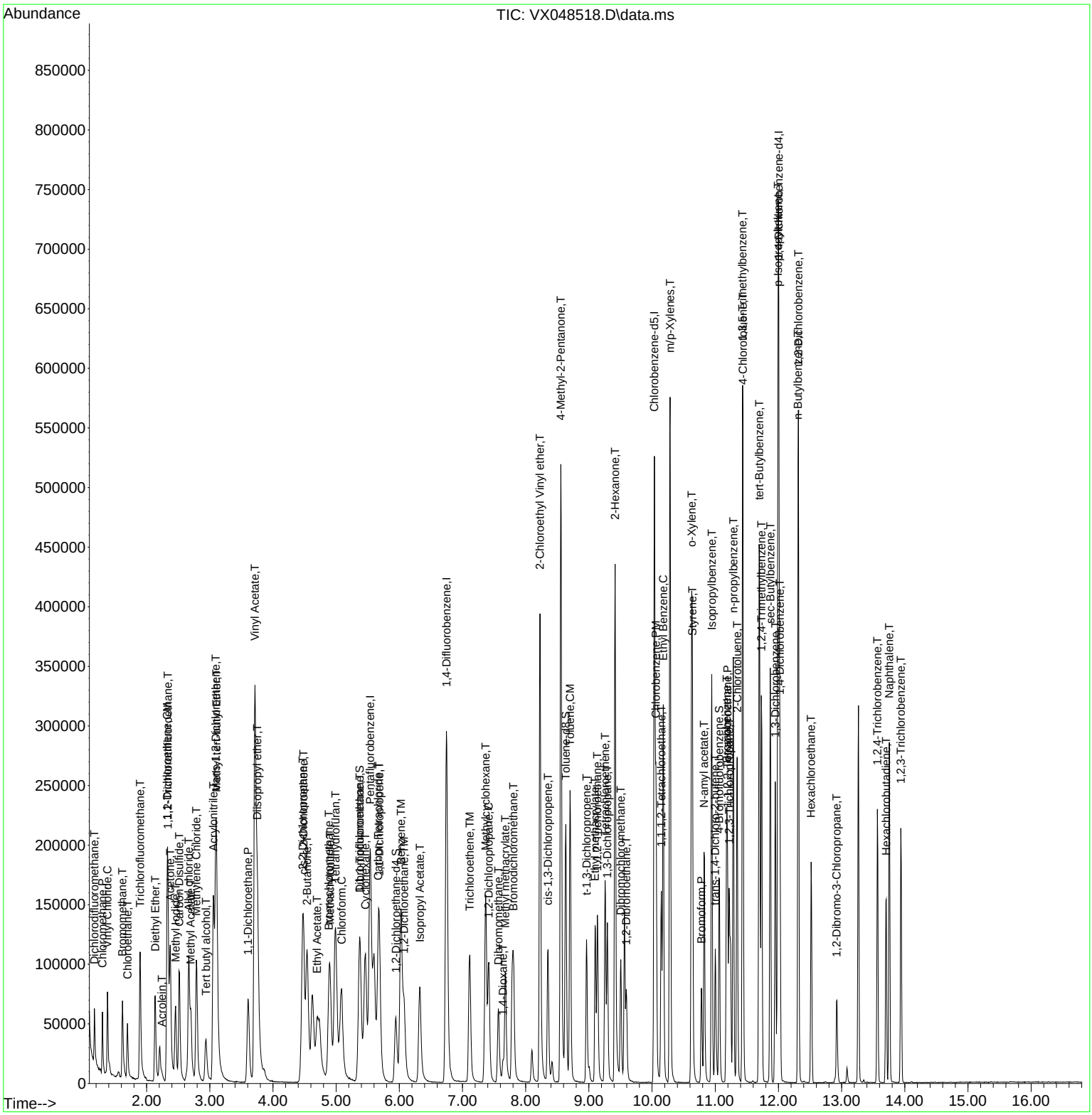
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX110725\
Data File : VX048518.D
Acq On : 07 Nov 2025 14:16
Operator : JC/MD
Sample : VSTDICC020
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Nov 08 04:39:45 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X110725W.M
Quant Title : SW846 8260
QLast Update : Sat Nov 08 04:36:23 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

Reviewed By :John Carlone 11/10/2025
Supervised By :Semsettin Yesilyurt 11/10/2025



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX110725\
Data File : VX048520.D
Acq On : 07 Nov 2025 14:58
Operator : JC/MD
Sample : VSTDICC100
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

Reviewed By :John Carlone 11/10/2025
Supervised By :Semsettin Yesilyurt 11/10/2025

Quant Time: Nov 08 04:41:17 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X110725W.M
Quant Title : SW846 8260
QLast Update : Sat Nov 08 04:36:23 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.544	168	179485	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.745	114	297765	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	257038	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	132080	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.940	65	243155	97.224	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 194.440%#			
35) Dibromofluoromethane	5.373	113	212256	94.182	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 188.360%#			
50) Toluene-d8	8.635	98	720420	102.495	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 204.980%#			
62) 4-Bromofluorobenzene	11.061	95	264846	101.109	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 202.220%#			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.173	85	162366	111.639	ug/l	99
3) Chloromethane	1.301	50	208707	108.195	ug/l	99
4) Vinyl Chloride	1.380	62	215712	98.767	ug/l	99
5) Bromomethane	1.605	94	115797m	83.881	ug/l	
6) Chloroethane	1.685	64	132914	92.926	ug/l	100
7) Trichlorofluoromethane	1.892	101	329740	95.432	ug/l	99
8) Diethyl Ether	2.136	74	134965	97.310	ug/l	100
9) 1,1,2-Trichlorotrifluo...	2.331	101	196084	98.026	ug/l	99
10) Methyl Iodide	2.453	142	300124	101.382	ug/l	99
11) Tert butyl alcohol	2.959	59	237309	500.751	ug/l	98
12) 1,1-Dichloroethene	2.325	96	199260	95.367	ug/l	96
13) Acrolein	2.239	56	31030	456.759	ug/l	97
14) Allyl chloride	2.666	41	362419	93.164	ug/l	99
15) Acrylonitrile	3.056	53	663857	479.859	ug/l	99
16) Acetone	2.374	43	568356	480.092	ug/l	99
17) Carbon Disulfide	2.514	76	527024	89.637	ug/l	100
18) Methyl Acetate	2.697	43	293788	90.303	ug/l	99
19) Methyl tert-butyl Ether	3.105	73	712323	96.543	ug/l	99
20) Methylene Chloride	2.788	84	223836	91.966	ug/l	99
21) trans-1,2-Dichloroethene	3.087	96	209909	94.789	ug/l	98
22) Diisopropyl ether	3.751	45	709722	95.012	ug/l	97
23) Vinyl Acetate	3.715	43	3136295	479.414	ug/l	100
24) 1,1-Dichloroethane	3.605	63	388811	94.862	ug/l	99
25) 2-Butanone	4.538	43	843690	481.750	ug/l	99
26) 2,2-Dichloropropane	4.465	77	335236	95.939	ug/l	100
27) cis-1,2-Dichloroethene	4.477	96	252407	93.248	ug/l	98
28) Bromochloromethane	4.885	49	187288	93.016	ug/l	99
29) Tetrahydrofuran	4.989	42	575336	461.240	ug/l	99
30) Chloroform	5.086	83	396642	93.738	ug/l	99
31) Cyclohexane	5.458	56	321505	95.734	ug/l	98
32) 1,1,1-Trichloroethane	5.373	97	351320	95.136	ug/l	99
36) 1,1-Dichloropropene	5.678	75	269881	89.431	ug/l	99
37) Ethyl Acetate	4.696	43	386137	90.900	ug/l	99
38) Carbon Tetrachloride	5.666	117	309414	90.070	ug/l	99
39) Methylcyclohexane	7.367	83	334291	98.656	ug/l	96
40) Benzene	6.025	78	831305	88.867	ug/l	99

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX110725\
Data File : VX048520.D
Acq On : 07 Nov 2025 14:58
Operator : JC/MD
Sample : VSTDICC100
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

Reviewed By :John Carlone 11/10/2025
Supervised By :Semsettin Yesilyurt 11/10/2025

Quant Time: Nov 08 04:41:17 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X110725W.M
Quant Title : SW846 8260
QLast Update : Sat Nov 08 04:36:23 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.904	41	164274	87.935	ug/l	95
42) 1,2-Dichloroethane	6.068	62	291402	90.918	ug/l	99
43) Isopropyl Acetate	6.324	43	540612	90.535	ug/l	100
44) Trichloroethene	7.110	130	218005	97.499	ug/l	98
45) 1,2-Dichloropropane	7.415	63	209425	97.368	ug/l	100
46) Dibromomethane	7.568	93	156924	100.030	ug/l	98
47) Bromodichloromethane	7.805	83	321173	102.623	ug/l	97
48) Methyl methacrylate	7.677	41	266560	100.420	ug/l	100
49) 1,4-Dioxane	7.647	88	89615	2215.601	ug/l	97
51) 4-Methyl-2-Pentanone	8.561	43	1705402	501.730	ug/l	99
52) Toluene	8.702	92	517017	104.979	ug/l	99
53) t-1,3-Dichloropropene	8.964	75	334066	103.593	ug/l	99
54) cis-1,3-Dichloropropene	8.354	75	354217	106.080	ug/l	98
55) 1,1,2-Trichloroethane	9.134	97	205483	104.430	ug/l	98
56) Ethyl methacrylate	9.104	69	353946	108.118	ug/l	98
57) 1,3-Dichloropropane	9.293	76	345885	100.991	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.226	63	972237	557.345	ug/l	100
59) 2-Hexanone	9.415	43	1278151	505.516	ug/l	100
60) Dibromochloromethane	9.506	129	255107	105.596	ug/l	98
61) 1,2-Dibromoethane	9.592	107	222500	104.402	ug/l	100
64) Tetrachloroethene	9.256	164	177093	94.858	ug/l	96
65) Chlorobenzene	10.061	112	571492	93.674	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.147	131	204743	100.159	ug/l	99
67) Ethyl Benzene	10.177	91	976399	95.307	ug/l	98
68) m/p-Xylenes	10.287	106	756955	196.183	ug/l	99
69) o-Xylene	10.628	106	367131	97.252	ug/l	100
70) Styrene	10.640	104	630372	99.544	ug/l	100
71) Bromoform	10.781	173	184392	97.773	ug/l	99
73) Isopropylbenzene	10.945	105	937990	97.838	ug/l	99
74) N-amyl acetate	10.829	43	459285	95.409	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.195	83	318823	94.300	ug/l	100
76) 1,2,3-Trichloropropane	11.219	75	298071m	105.844	ug/l	
77) Bromobenzene	11.183	156	240181	97.018	ug/l	99
78) n-propylbenzene	11.287	91	1082239	96.002	ug/l	99
79) 2-Chlorotoluene	11.348	91	658434	96.659	ug/l	100
80) 1,3,5-Trimethylbenzene	11.433	105	769561	98.464	ug/l	99
81) trans-1,4-Dichloro-2-b...	11.000	75	117309	105.450	ug/l	98
82) 4-Chlorotoluene	11.439	91	770164	96.385	ug/l	100
83) tert-Butylbenzene	11.695	119	801942	99.204	ug/l	99
84) 1,2,4-Trimethylbenzene	11.732	105	779410	98.837	ug/l	99
85) sec-Butylbenzene	11.872	105	962376	96.323	ug/l	100
86) p-Isopropyltoluene	11.994	119	825080	98.227	ug/l	99
87) 1,3-Dichlorobenzene	11.951	146	443784	95.645	ug/l	99
88) 1,4-Dichlorobenzene	12.024	146	441447	94.299	ug/l	99
89) n-Butylbenzene	12.317	91	761466	96.635	ug/l	99
90) Hexachloroethane	12.518	117	157787	98.594	ug/l	100
91) 1,2-Dichlorobenzene	12.317	146	429792	96.491	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.920	75	78635	100.084	ug/l	98
93) 1,2,4-Trichlorobenzene	13.567	180	289894	97.941	ug/l	99
94) Hexachlorobutadiene	13.707	225	111275	89.932	ug/l	98
95) Naphthalene	13.756	128	985717	103.580	ug/l	100
96) 1,2,3-Trichlorobenzene	13.939	180	277082	100.642	ug/l	100

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX110725\
Data File : VX048520.D
Acq On : 07 Nov 2025 14:58
Operator : JC/MD
Sample : VSTDICC100
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

Reviewed By :John Carlone 11/10/2025
Supervised By :Semsettin Yesilyurt 11/10/2025

Quant Time: Nov 08 04:41:17 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X110725W.M
Quant Title : SW846 8260
QLast Update : Sat Nov 08 04:36:23 2025
Response via : Initial Calibration

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

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

ICAL Form

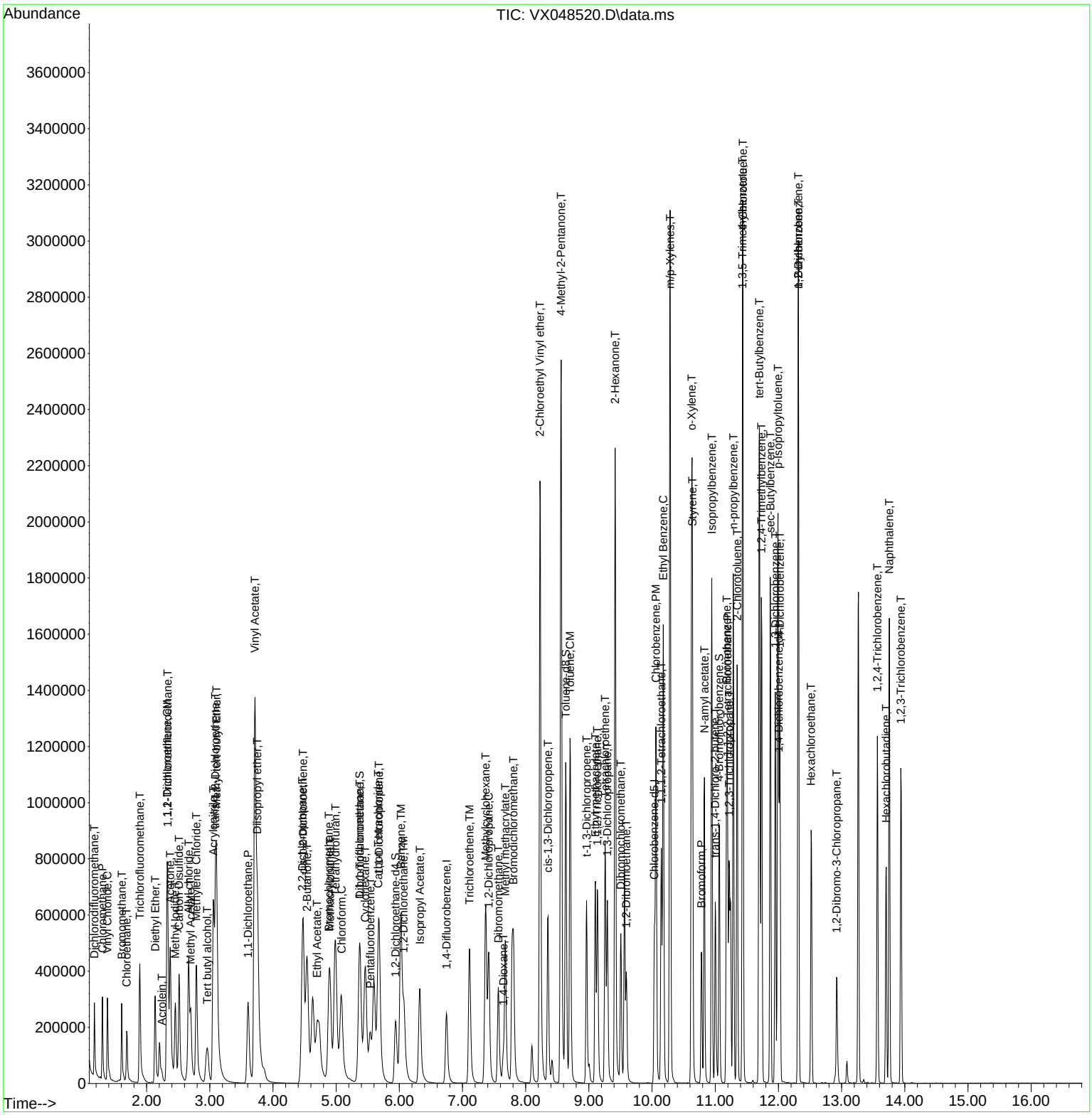
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX110725\
Data File : VX048520.D
Acq On : 07 Nov 2025 14:58
Operator : JC/MD
Sample : VSTDICC100
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Nov 08 04:41:17 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X110725W.M
Quant Title : SW846 8260
QLast Update : Sat Nov 08 04:36:23 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

Reviewed By :John Carlone 11/10/2025
Supervised By :Semsettin Yesilyurt 11/10/2025



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX110725\
Data File : VX048521.D
Acq On : 07 Nov 2025 15:18
Operator : JC/MD
Sample : VSTDICC150
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

Reviewed By :John Carlone 11/10/2025
Supervised By :Semsettin Yesilyurt 11/10/2025

Quant Time: Nov 08 04:42:04 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X110725W.M
Quant Title : SW846 8260
QLast Update : Sat Nov 08 04:36:23 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) Pentafluorobenzene	5.538	168	178567	50.000 ug/l	0.00
34) 1,4-Difluorobenzene	6.745	114	292795	50.000 ug/l	0.00
63) Chlorobenzene-d5	10.037	117	246117	50.000 ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	131303	50.000 ug/l	# 0.00
System Monitoring Compounds					
33) 1,2-Dichloroethane-d4	5.940	65	333785	134.148 ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 268.300%#		
35) Dibromofluoromethane	5.373	113	287214	129.606 ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 259.220%#		
50) Toluene-d8	8.635	98	990842	143.361 ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 286.720%#		
62) 4-Bromofluorobenzene	11.067	95	371661	144.295 ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 288.600%#		
Target Compounds					Qvalue
2) Dichlorodifluoromethane	1.173	85	253735	175.359 ug/l	99
3) Chloromethane	1.301	50	302480	157.614 ug/l	99
4) Vinyl Chloride	1.380	62	320003	147.272 ug/l	99
5) Bromomethane	1.605	94	153950	112.091 ug/l	96
6) Chloroethane	1.685	64	191395	134.501 ug/l	99
7) Trichlorofluoromethane	1.892	101	503070	146.345 ug/l	100
8) Diethyl Ether	2.136	74	188944	136.929 ug/l	96
9) 1,1,2-Trichlorotrifluo...	2.331	101	298670	150.078 ug/l	98
10) Methyl Iodide	2.453	142	432790	146.948 ug/l	99
11) Tert butyl alcohol	2.977	59	340733	722.684 ug/l	98
12) 1,1-Dichloroethene	2.319	96	293656	141.269 ug/l	97
13) Acrolein	2.239	56	52843	781.843 ug/l	96
14) Allyl chloride	2.666	41	540073	139.545 ug/l	100
15) Acrylonitrile	3.056	53	953673	692.892 ug/l	99
16) Acetone	2.373	43	838719	712.110 ug/l	100
17) Carbon Disulfide	2.514	76	791417	135.297 ug/l	99
18) Methyl Acetate	2.697	43	440781	136.181 ug/l	100
19) Methyl tert-butyl Ether	3.111	73	997177	135.845 ug/l	99
20) Methylene Chloride	2.788	84	318695	131.614 ug/l	98
21) trans-1,2-Dichloroethene	3.093	96	298171	135.338 ug/l	98
22) Diisopropyl ether	3.751	45	1038977	139.806 ug/l	97
23) Vinyl Acetate	3.715	43	4581534	703.934 ug/l	99
24) 1,1-Dichloroethane	3.605	63	557501	136.718 ug/l	99
25) 2-Butanone	4.544	43	1244508	714.272 ug/l	97
26) 2,2-Dichloropropane	4.471	77	495685	142.586 ug/l	99
27) cis-1,2-Dichloroethene	4.477	96	366206	135.984 ug/l	99
28) Bromochloromethane	4.891	49	266434	133.003 ug/l	100
29) Tetrahydrofuran	4.989	42	818751	659.757 ug/l	98
30) Chloroform	5.080	83	563304	133.810 ug/l	98
31) Cyclohexane	5.458	56	487596	145.937 ug/l	96
32) 1,1,1-Trichloroethane	5.373	97	507525	138.143 ug/l	99
36) 1,1-Dichloropropene	5.678	75	394330	132.888 ug/l	100
37) Ethyl Acetate	4.696	43	561632	134.458 ug/l	99
38) Carbon Tetrachloride	5.666	117	442446	130.982 ug/l	97
39) Methylcyclohexane	7.367	83	520380	156.182 ug/l	96
40) Benzene	6.025	78	1202907	130.774 ug/l	99

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX110725\
Data File : VX048521.D
Acq On : 07 Nov 2025 15:18
Operator : JC/MD
Sample : VSTDICC150
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Nov 08 04:42:04 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X110725W.M
Quant Title : SW846 8260
QLast Update : Sat Nov 08 04:36:23 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

Reviewed By :John Carlone 11/10/2025
Supervised By :Semsettin Yesilyurt 11/10/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.904	41	245609	133.706	ug/l	98
42) 1,2-Dichloroethane	6.074	62	415612	131.873	ug/l	99
43) Isopropyl Acetate	6.324	43	802693	136.707	ug/l	100
44) Trichloroethene	7.110	130	318538	144.879	ug/l	97
45) 1,2-Dichloropropane	7.415	63	298821	141.289	ug/l	98
46) Dibromomethane	7.568	93	220703	143.074	ug/l	99
47) Bromodichloromethane	7.805	83	447995	145.576	ug/l	100
48) Methyl methacrylate	7.677	41	382424	146.515	ug/l	99
49) 1,4-Dioxane	7.653	88	128773	3237.768	ug/l	98
51) 4-Methyl-2-Pentanone	8.561	43	2398543	717.630	ug/l	100
52) Toluene	8.702	92	740196	152.846	ug/l	99
53) t-1,3-Dichloropropene	8.964	75	475896	150.079	ug/l	99
54) cis-1,3-Dichloropropene	8.354	75	507432	154.544	ug/l	99
55) 1,1,2-Trichloroethane	9.134	97	288895	149.313	ug/l	97
56) Ethyl methacrylate	9.104	69	503008	156.260	ug/l	99
57) 1,3-Dichloropropane	9.293	76	484188	143.772	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.232	63	1366958	796.924	ug/l	100
59) 2-Hexanone	9.415	43	1828924	735.629	ug/l	100
60) Dibromochloromethane	9.506	129	354928	149.408	ug/l	99
61) 1,2-Dibromoethane	9.598	107	314737	150.188	ug/l	100
64) Tetrachloroethene	9.256	164	256641	143.566	ug/l	99
65) Chlorobenzene	10.061	112	815516	139.603	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.146	131	288555	147.422	ug/l	100
67) Ethyl Benzene	10.177	91	1401386	142.860	ug/l	98
68) m/p-Xylenes	10.287	106	1082548	293.018	ug/l	99
69) o-Xylene	10.628	106	536318	148.373	ug/l	100
70) Styrene	10.640	104	918795	151.528	ug/l	100
71) Bromoform	10.781	173	275305	152.457	ug/l	99
73) Isopropylbenzene	10.945	105	1375604	144.333	ug/l	99
74) N-amyl acetate	10.829	43	680374	142.173	ug/l	100
75) 1,1,2,2-Tetrachloroethane	11.195	83	466659	138.843	ug/l	100
76) 1,2,3-Trichloropropane	11.219	75	437992m	156.450	ug/l	
77) Bromobenzene	11.183	156	345419	140.354	ug/l	98
78) n-propylbenzene	11.287	91	1604351	143.159	ug/l	100
79) 2-Chlorotoluene	11.348	91	938129	138.534	ug/l	100
80) 1,3,5-Trimethylbenzene	11.433	105	1124584	144.740	ug/l	99
81) trans-1,4-Dichloro-2-b...	11.000	75	178669	161.557	ug/l	99
82) 4-Chlorotoluene	11.439	91	1119611	140.947	ug/l	99
83) tert-Butylbenzene	11.695	119	1185835	147.561	ug/l	99
84) 1,2,4-Trimethylbenzene	11.732	105	1136998	145.036	ug/l	98
85) sec-Butylbenzene	11.872	105	1454720	146.463	ug/l	100
86) p-Isopropyltoluene	11.994	119	1244220	149.002	ug/l	99
87) 1,3-Dichlorobenzene	11.951	146	657153	142.468	ug/l	100
88) 1,4-Dichlorobenzene	12.024	146	658598	141.517	ug/l	100
89) n-Butylbenzene	12.317	91	1170811	149.462	ug/l	99
90) Hexachloroethane	12.518	117	234767	147.563	ug/l	97
91) 1,2-Dichlorobenzene	12.317	146	636660	143.779	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	12.920	75	112194	143.641	ug/l	95
93) 1,2,4-Trichlorobenzene	13.567	180	439995	149.532	ug/l	99
94) Hexachlorobutadiene	13.707	225	179249	145.725	ug/l	98
95) Naphthalene	13.756	128	1450179	153.288	ug/l	100
96) 1,2,3-Trichlorobenzene	13.938	180	414012	151.267	ug/l	100

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX110725\
Data File : VX048521.D
Acq On : 07 Nov 2025 15:18
Operator : JC/MD
Sample : VSTDICC150
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

Reviewed By :John Carlone 11/10/2025
Supervised By :Semsettin Yesilyurt 11/10/2025

Quant Time: Nov 08 04:42:04 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X110725W.M
Quant Title : SW846 8260
QLast Update : Sat Nov 08 04:36:23 2025
Response via : Initial Calibration

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

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

ICAL Form

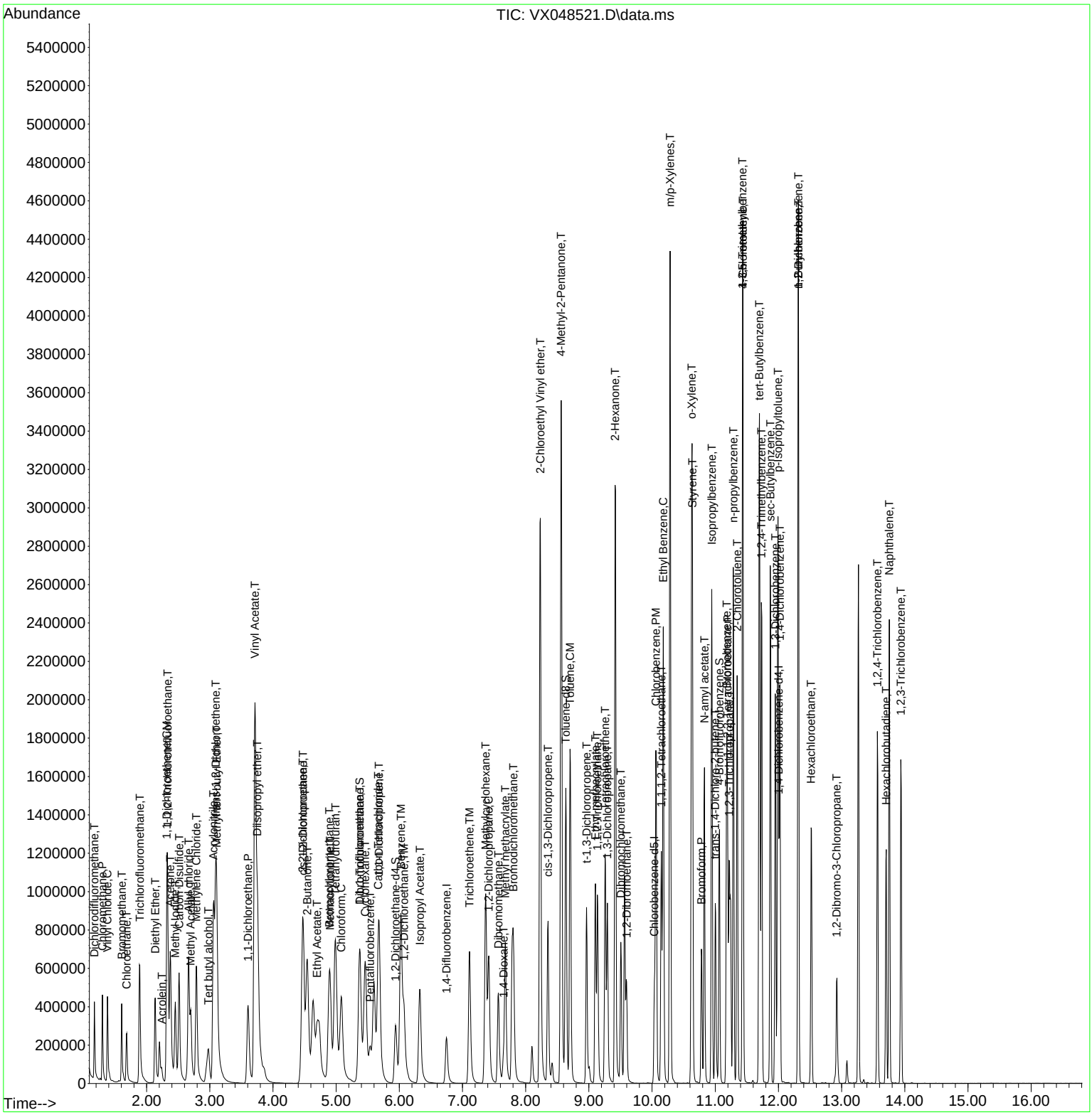
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX110725\
Data File : VX048521.D
Acq On : 07 Nov 2025 15:18
Operator : JC/MD
Sample : VSTDICC150
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Nov 08 04:42:04 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X110725W.M
Quant Title : SW846 8260
QLast Update : Sat Nov 08 04:36:23 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

Reviewed By :John Carlone 11/10/2025
Supervised By :Semsettin Yesilyurt 11/10/2025



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX110725\
Data File : VX048524.D
Acq On : 07 Nov 2025 16:29
Operator : JC/MD
Sample : VSTDICCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

Reviewed By :John Carlone 11/10/2025
Supervised By :Semsettin Yesilyurt 11/10/2025

Quant Time: Nov 08 04:43:36 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X110725W.M
Quant Title : SW846 8260
QLast Update : Sat Nov 08 04:36:23 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.538	168	180041	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.745	114	307413	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	271611	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	137081	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	123374	49.178	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 98.360%			
35) Dibromofluoromethane	5.373	113	107888	46.370	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 92.740%			
50) Toluene-d8	8.635	98	369557	50.927	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 101.860%			
62) 4-Bromofluorobenzene	11.061	95	136244	50.381	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 100.760%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.173	85	76351	52.335	ug/l	100
3) Chloromethane	1.301	50	106667	55.126	ug/l	100
4) Vinyl Chloride	1.380	62	107960	49.279	ug/l	100
5) Bromomethane	1.612	94	76656	55.356	ug/l	100
6) Chloroethane	1.691	64	68875	48.005	ug/l	100
7) Trichlorofluoromethane	1.892	101	159505	46.021	ug/l	100
8) Diethyl Ether	2.136	74	70765	50.864	ug/l	100
9) 1,1,2-Trichlorotrifluo...	2.331	101	92738	46.218	ug/l	100
10) Methyl Iodide	2.453	142	148356	49.960	ug/l	100
11) Tert butyl alcohol	2.941	59	124670	262.256	ug/l	100
12) 1,1-Dichloroethene	2.325	96	98074	46.794	ug/l	100
13) Acrolein	2.240	56	18158	266.459	ug/l	100
14) Allyl chloride	2.666	41	188637	48.341	ug/l	100
15) Acrylonitrile	3.056	53	363119	261.664	ug/l	100
16) Acetone	2.374	43	296864	249.987	ug/l	100
17) Carbon Disulfide	2.514	76	268053	45.450	ug/l	100
18) Methyl Acetate	2.697	43	156429	47.934	ug/l	100
19) Methyl tert-butyl Ether	3.105	73	381141	51.497	ug/l	100
20) Methylene Chloride	2.788	84	117536	48.142	ug/l	100
21) trans-1,2-Dichloroethene	3.093	96	107632	48.453	ug/l	100
22) Diisopropyl ether	3.751	45	371667	49.602	ug/l	100
23) Vinyl Acetate	3.715	43	1644477	250.599	ug/l	100
24) 1,1-Dichloroethane	3.605	63	198326	48.238	ug/l	100
25) 2-Butanone	4.538	43	455146	259.087	ug/l	100
26) 2,2-Dichloropropane	4.465	77	159000	45.363	ug/l	100
27) cis-1,2-Dichloroethene	4.483	96	130445	48.042	ug/l	100
28) Bromochloromethane	4.885	49	97819	48.431	ug/l	100
29) Tetrahydrofuran	4.989	42	313988	250.943	ug/l	100
30) Chloroform	5.087	83	201702	47.521	ug/l	100
31) Cyclohexane	5.458	56	156130	46.347	ug/l	100
32) 1,1,1-Trichloroethane	5.373	97	175119	47.275	ug/l	100
36) 1,1-Dichloropropene	5.678	75	131207	42.114	ug/l	100
37) Ethyl Acetate	4.696	43	205009	46.746	ug/l	100
38) Carbon Tetrachloride	5.666	117	149370	42.117	ug/l	100
39) Methylcyclohexane	7.367	83	156904	44.852	ug/l	100
40) Benzene	6.025	78	432976	44.833	ug/l	100

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX110725\
Data File : VX048524.D
Acq On : 07 Nov 2025 16:29
Operator : JC/MD
Sample : VSTDICCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Nov 08 04:43:36 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X110725W.M
Quant Title : SW846 8260
QLast Update : Sat Nov 08 04:36:23 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

Reviewed By :John Carlone 11/10/2025
Supervised By :Semsettin Yesilyurt 11/10/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.904	41	90811	47.085	ug/l	100
42) 1,2-Dichloroethane	6.074	62	147877	44.690	ug/l	100
43) Isopropyl Acetate	6.324	43	285622	46.331	ug/l	100
44) Trichloroethene	7.111	130	109058	47.244	ug/l	100
45) 1,2-Dichloropropane	7.415	63	110204	49.629	ug/l	100
46) Dibromomethane	7.568	93	82377	50.863	ug/l	100
47) Bromodichloromethane	7.806	83	167028	51.695	ug/l	100
48) Methyl methacrylate	7.678	41	142167	51.877	ug/l	100
49) 1,4-Dioxane	7.647	88	45365	1086.384	ug/l	100
51) 4-Methyl-2-Pentanone	8.555	43	952270	271.365	ug/l	100
52) Toluene	8.702	92	269581	53.020	ug/l	100
53) t-1,3-Dichloropropene	8.964	75	175854	52.820	ug/l	100
54) cis-1,3-Dichloropropene	8.354	75	186249	54.027	ug/l	100
55) 1,1,2-Trichloroethane	9.135	97	110910	54.597	ug/l	100
56) Ethyl methacrylate	9.098	69	190086	56.242	ug/l	100
57) 1,3-Dichloropropane	9.293	76	190119	53.768	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.226	63	544454	302.318	ug/l	100
59) 2-Hexanone	9.415	43	713506	273.339	ug/l	100
60) Dibromochloromethane	9.507	129	134082	53.758	ug/l	100
61) 1,2-Dibromoethane	9.592	107	117046	53.197	ug/l	100
64) Tetrachloroethene	9.257	164	88926	45.076	ug/l	100
65) Chlorobenzene	10.061	112	299156	46.404	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.147	131	106481	49.295	ug/l	100
67) Ethyl Benzene	10.177	91	512428	47.335	ug/l	100
68) m/p-Xylenes	10.287	106	391085	95.921	ug/l	100
69) o-Xylene	10.622	106	190935	47.864	ug/l	100
70) Styrene	10.634	104	328665	49.116	ug/l	100
71) Bromoform	10.781	173	94463	47.401	ug/l	100
73) Isopropylbenzene	10.945	105	475097	47.748	ug/l	100
74) N-amyl acetate	10.823	43	245758	49.190	ug/l	100
75) 1,1,2,2-Tetrachloroethane	11.195	83	168512	48.023	ug/l	100
76) 1,2,3-Trichloropropane	11.220	75	138398m	47.352	ug/l	
77) Bromobenzene	11.177	156	124641	48.510	ug/l	100
78) n-propylbenzene	11.287	91	551985	47.178	ug/l	100
79) 2-Chlorotoluene	11.348	91	334083	47.255	ug/l	100
80) 1,3,5-Trimethylbenzene	11.433	105	386446	47.641	ug/l	100
81) trans-1,4-Dichloro-2-b...	11.000	75	59424	51.468	ug/l	100
82) 4-Chlorotoluene	11.433	91	392809	47.366	ug/l	100
83) tert-Butylbenzene	11.695	119	403731	48.121	ug/l	100
84) 1,2,4-Trimethylbenzene	11.732	105	397157	48.526	ug/l	100
85) sec-Butylbenzene	11.872	105	479253	46.218	ug/l	100
86) p-Isopropyltoluene	11.988	119	409592	46.983	ug/l	100
87) 1,3-Dichlorobenzene	11.951	146	225309	46.787	ug/l	100
88) 1,4-Dichlorobenzene	12.024	146	230056	47.350	ug/l	100
89) n-Butylbenzene	12.311	91	372536	45.552	ug/l	100
90) Hexachloroethane	12.518	117	75599	45.515	ug/l	100
91) 1,2-Dichlorobenzene	12.317	146	222592	48.150	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	12.921	75	40699	49.910	ug/l	100
93) 1,2,4-Trichlorobenzene	13.567	180	146070	47.549	ug/l	100
94) Hexachlorobutadiene	13.707	225	55716	43.386	ug/l	100
95) Naphthalene	13.756	128	507140	51.347	ug/l	100
96) 1,2,3-Trichlorobenzene	13.939	180	139324	48.759	ug/l	100

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX110725\
Data File : VX048524.D
Acq On : 07 Nov 2025 16:29
Operator : JC/MD
Sample : VSTDICCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

Reviewed By :John Carlone 11/10/2025
Supervised By :Semsettin Yesilyurt 11/10/2025

Quant Time: Nov 08 04:43:36 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X110725W.M
Quant Title : SW846 8260
QLast Update : Sat Nov 08 04:36:23 2025
Response via : Initial Calibration

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

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

ICAL Form

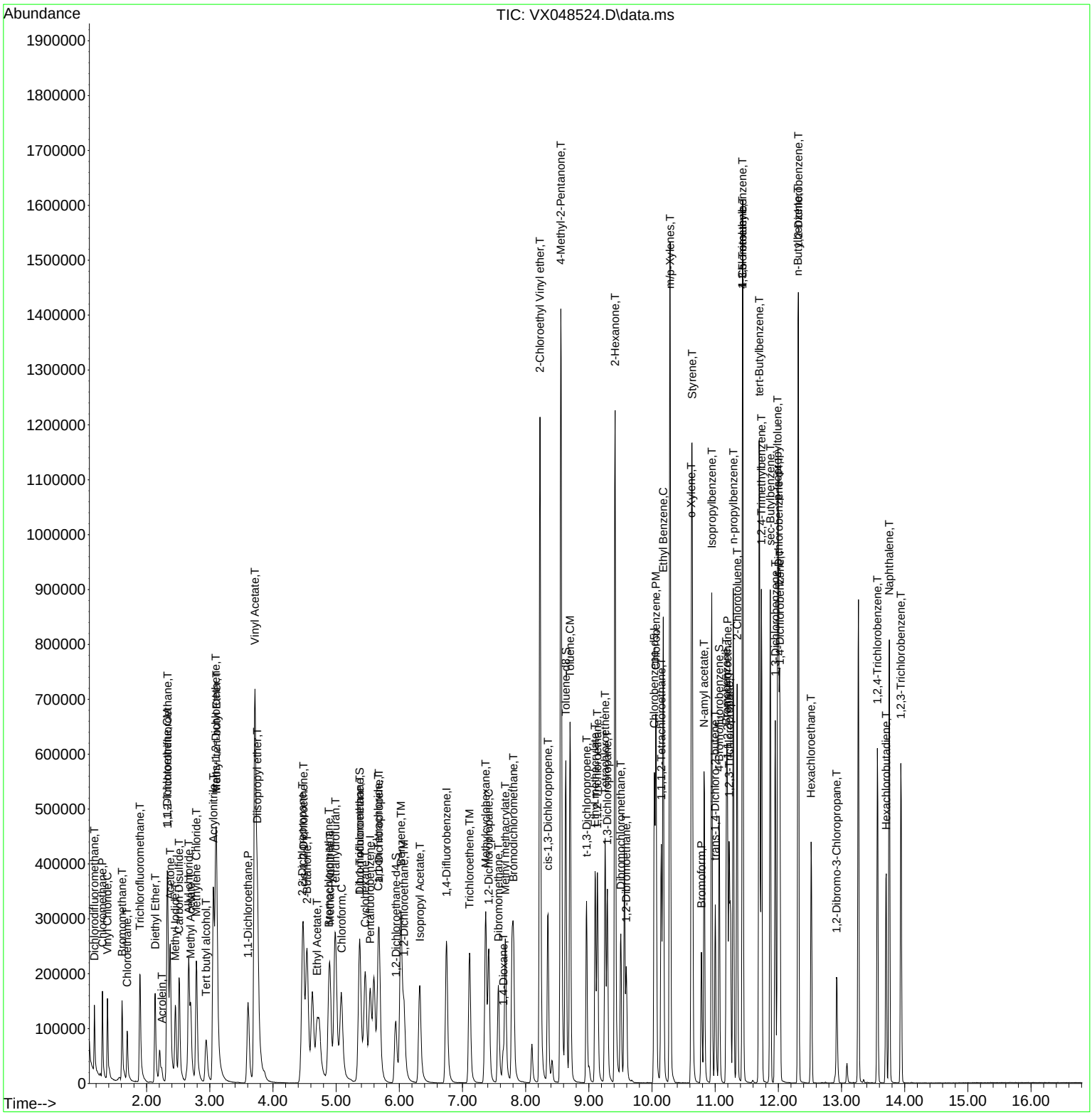
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX110725\
Data File : VX048524.D
Acq On : 07 Nov 2025 16:29
Operator : JC/MD
Sample : VSTDICCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Nov 08 04:43:36 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X110725W.M
Quant Title : SW846 8260
QLast Update : Sat Nov 08 04:36:23 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

Reviewed By :John Carlone 11/10/2025
Supervised By :Semsettin Yesilyurt 11/10/2025



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX110725\
Data File : VX048525.D
Acq On : 07 Nov 2025 16:50
Operator : JC/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
ICVVX110725

Manual Integrations APPROVED

Reviewed By :John Carlone 11/10/2025
Supervised By :Semsettin Yesilyurt 11/10/2025

Quant Time: Nov 08 05:04:12 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X110725W.M
Quant Title : SW846 8260
QLast Update : Sat Nov 08 05:01:56 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.544	168	175429	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.745	114	300694	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	261891	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	133606	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.940	65	125725	51.433	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 102.860%			
35) Dibromofluoromethane	5.373	113	104074	45.730	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 91.460%			
50) Toluene-d8	8.635	98	360437	50.780	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 101.560%			
62) 4-Bromofluorobenzene	11.061	95	134490	50.843	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 101.680%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.173	85	79523	55.942	ug/l	99
3) Chloromethane	1.301	50	100103	53.094	ug/l	100
4) Vinyl Chloride	1.380	62	105708	49.519	ug/l	96
5) Bromomethane	1.611	94	74133	54.997	ug/l	97
6) Chloroethane	1.691	64	66991	47.919	ug/l	100
7) Trichlorofluoromethane	1.892	101	163901	48.532	ug/l	98
8) Diethyl Ether	2.136	74	68302	50.384	ug/l	99
9) 1,1,2-Trichlorotrifluo...	2.337	101	97010	49.618	ug/l	99
10) Methyl Iodide	2.453	142	148327	51.263	ug/l	99
11) Tert butyl alcohol	2.941	59	119049	257.016	ug/l	98
12) 1,1-Dichloroethene	2.325	96	96593	47.299	ug/l	95
13) Acrolein	2.239	56	17055	254.482	ug/l	98
14) Allyl chloride	2.666	41	180497	47.471	ug/l	99
15) Acrylonitrile	3.056	53	339497	251.074	ug/l	99
16) Acetone	2.374	43	289425	250.130	ug/l	98
17) Carbon Disulfide	2.514	76	263284	45.815	ug/l	100
18) Methyl Acetate	2.697	43	151597	47.674	ug/l	99
19) Methyl tert-butyl Ether	3.105	73	366166	50.775	ug/l	100
20) Methylene Chloride	2.788	84	112574	47.322	ug/l	93
21) trans-1,2-Dichloroethene	3.093	96	104272	48.175	ug/l	97
22) Diisopropyl ether	3.751	45	365126	50.011	ug/l	98
23) Vinyl Acetate	3.715	43	1623158	253.844	ug/l	99
24) 1,1-Dichloroethane	3.605	63	193671	48.344	ug/l	99
25) 2-Butanone	4.538	43	453513	264.945	ug/l	97
26) 2,2-Dichloropropane	4.465	77	162290	47.519	ug/l	100
27) cis-1,2-Dichloroethene	4.483	96	129253	48.854	ug/l	98
28) Bromochloromethane	4.885	49	97361	49.472	ug/l	98
29) Tetrahydrofuran	4.989	42	307563	251.928	ug/l	99
30) Chloroform	5.080	83	203402	49.181	ug/l	99
31) Cyclohexane	5.464	56	166346	50.678	ug/l	98
32) 1,1,1-Trichloroethane	5.373	97	177144	49.079	ug/l	100
36) 1,1-Dichloropropene	5.678	75	136129	44.670	ug/l	98
37) Ethyl Acetate	4.696	43	206366	48.107	ug/l	98
38) Carbon Tetrachloride	5.666	117	153372	44.212	ug/l	97
39) Methylcyclohexane	7.367	83	168487	49.240	ug/l	98
40) Benzene	6.025	78	428574	45.369	ug/l	99

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX110725\
Data File : VX048525.D
Acq On : 07 Nov 2025 16:50
Operator : JC/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
ICVVX110725

Manual Integrations APPROVED

Reviewed By :John Carlone 11/10/2025
Supervised By :Semsettin Yesilyurt 11/10/2025

Quant Time: Nov 08 05:04:12 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X110725W.M
Quant Title : SW846 8260
QLast Update : Sat Nov 08 05:01:56 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	4.904	41	96023	50.900	ug/l		95
42) 1,2-Dichloroethane	6.074	62	149489	46.187	ug/l		99
43) Isopropyl Acetate	6.324	43	292708	48.542	ug/l		99
44) Trichloroethene	7.111	130	108399	48.007	ug/l		95
45) 1,2-Dichloropropane	7.415	63	109605	50.462	ug/l		97
46) Dibromomethane	7.568	93	81296	51.317	ug/l		97
47) Bromodichloromethane	7.806	83	164733	52.124	ug/l		99
48) Methyl methacrylate	7.677	41	141804	52.901	ug/l		99
49) 1,4-Dioxane	7.647	88	43542	1066.027	ug/l		97
51) 4-Methyl-2-Pentanone	8.555	43	943143	274.770	ug/l		99
52) Toluene	8.702	92	263658	53.014	ug/l		99
53) t-1,3-Dichloropropene	8.964	75	172732	53.042	ug/l		99
54) cis-1,3-Dichloropropene	8.354	75	183768	54.498	ug/l		99
55) 1,1,2-Trichloroethane	9.135	97	109093	54.903	ug/l		98
56) Ethyl methacrylate	9.098	69	186912	56.539	ug/l		98
57) 1,3-Dichloropropane	9.293	76	182103	52.652	ug/l		100
58) 2-Chloroethyl Vinyl ether	8.226	63	533039	299.907	ug/l		100
59) 2-Hexanone	9.415	43	708416	277.453	ug/l		99
60) Dibromochloromethane	9.506	129	130424	53.460	ug/l		100
61) 1,2-Dibromoethane	9.592	107	115352	53.598	ug/l		99
64) Tetrachloroethene	9.256	164	91541	48.124	ug/l		96
65) Chlorobenzene	10.061	112	292507	47.057	ug/l		99
66) 1,1,1,2-Tetrachloroethane	10.147	131	103725	49.801	ug/l		99
67) Ethyl Benzene	10.177	91	505794	48.456	ug/l		97
68) m/p-Xylenes	10.287	106	391090	99.482	ug/l		98
69) o-Xylene	10.622	106	190122	49.430	ug/l		98
70) Styrene	10.640	104	318495	49.362	ug/l		99
71) Bromoform	10.781	173	92512	48.145	ug/l	#	100
73) Isopropylbenzene	10.945	105	479112	49.403	ug/l		99
74) N-amyl acetate	10.823	43	244571	50.225	ug/l		98
75) 1,1,2,2-Tetrachloroethane	11.195	83	167085	48.855	ug/l		99
76) 1,2,3-Trichloropropane	11.220	75	133852m	41.585	ug/l		
77) Bromobenzene	11.183	156	120400	48.079	ug/l		98
78) n-propylbenzene	11.287	91	560609	49.162	ug/l		100
79) 2-Chlorotoluene	11.348	91	336034	48.767	ug/l		99
80) 1,3,5-Trimethylbenzene	11.433	105	396355	50.134	ug/l		99
81) trans-1,4-Dichloro-2-b...	11.000	75	57267	50.890	ug/l		96
82) 4-Chlorotoluene	11.433	91	396344	49.035	ug/l		100
83) tert-Butylbenzene	11.695	119	406392	49.698	ug/l		98
84) 1,2,4-Trimethylbenzene	11.732	105	399935	50.137	ug/l		99
85) sec-Butylbenzene	11.872	105	498225	49.297	ug/l		99
86) p-Isopropyltoluene	11.988	119	419888	49.417	ug/l		99
87) 1,3-Dichlorobenzene	11.951	146	223034	47.519	ug/l		99
88) 1,4-Dichlorobenzene	12.024	146	225606	46.536	ug/l		99
89) n-Butylbenzene	12.311	91	390447	48.984	ug/l		100
90) Hexachloroethane	12.518	117	78393	48.425	ug/l		100
91) 1,2-Dichlorobenzene	12.317	146	216201	47.984	ug/l		98
92) 1,2-Dibromo-3-Chloropr...	12.920	75	40188	50.566	ug/l		99
93) 1,2,4-Trichlorobenzene	13.567	180	148227	49.507	ug/l		99
94) Hexachlorobutadiene	13.707	225	58865	47.031	ug/l		99
95) Naphthalene	13.756	128	506116	52.576	ug/l		100
96) 1,2,3-Trichlorobenzene	13.939	180	140560	50.471	ug/l		100

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX110725\
Data File : VX048525.D
Acq On : 07 Nov 2025 16:50
Operator : JC/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
ICVVX110725

Manual Integrations APPROVED

Reviewed By :John Carlone 11/10/2025
Supervised By :Semsettin Yesilyurt 11/10/2025

Quant Time: Nov 08 05:04:12 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X110725W.M
Quant Title : SW846 8260
QLast Update : Sat Nov 08 05:01:56 2025
Response via : Initial Calibration

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

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

ICAL Form

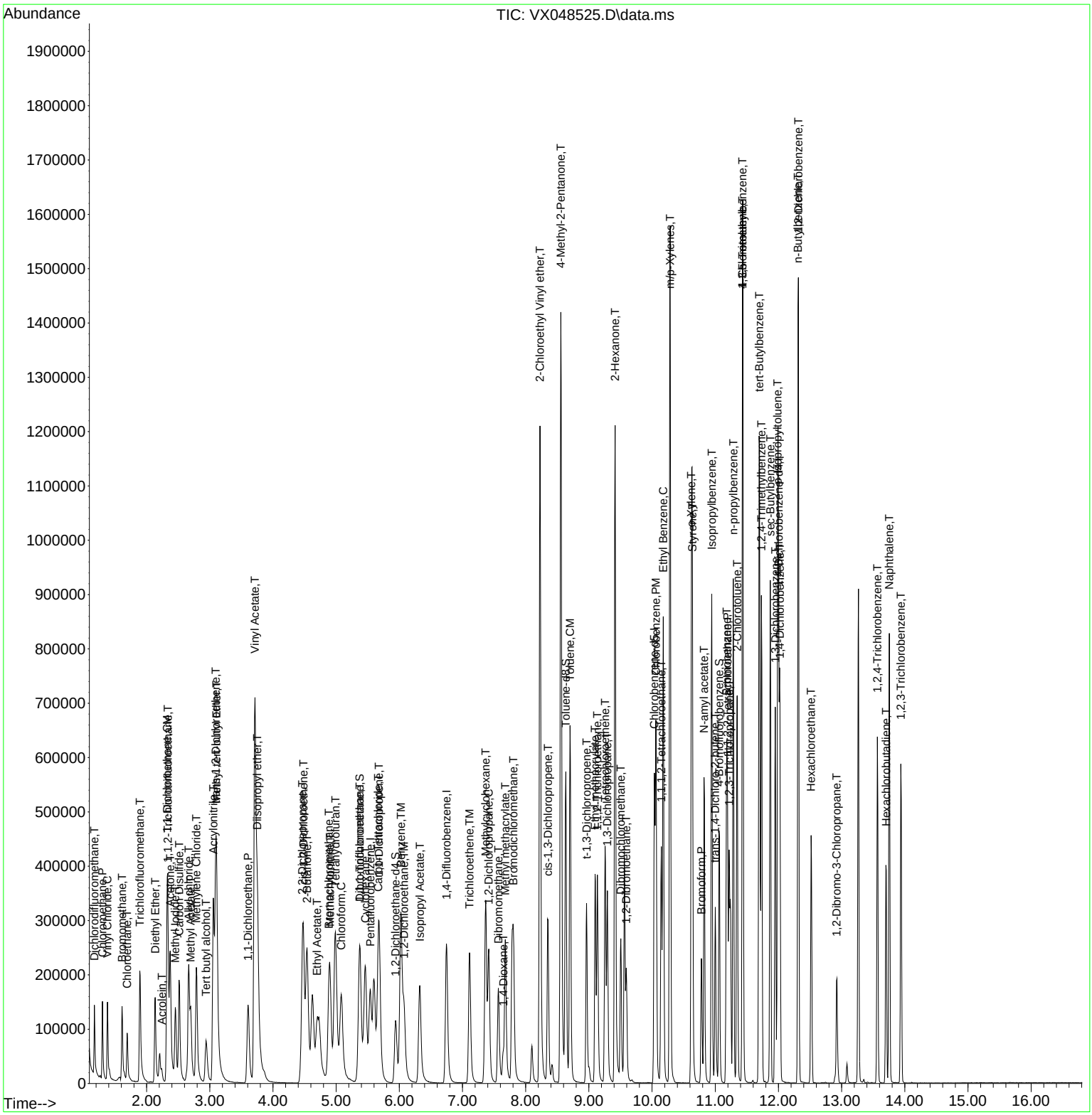
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX110725\
Data File : VX048525.D
Acq On : 07 Nov 2025 16:50
Operator : JC/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Nov 08 05:04:12 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X110725W.M
Quant Title : SW846 8260
QLast Update : Sat Nov 08 05:01:56 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
ICVVX110725

Manual Integrations APPROVED

Reviewed By :John Carlone 11/10/2025
Supervised By :Semsettin Yesilyurt 11/10/2025



Evaluate Continuing Calibration Report

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX110725\
Data File : VX048525.D
Acq On : 07 Nov 2025 16:50
Operator : JC/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
ICVVX110725

Quant Time: Nov 08 05:04:12 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X110725W.M
Quant Title : SW846 8260
QLast Update : Sat Nov 08 05:01:56 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	97	0.00
2	T	Dichlorodifluoromethane	0.405	0.453	-11.9	104	0.00
3	P	Chloromethane	0.537	0.571	-6.3	94	0.00
4	C	Vinyl Chloride	0.608	0.603	0.8#	98	0.00
5	T	Bromomethane	0.384	0.423	-10.2	97	0.00
6	T	Chloroethane	0.398	0.382	4.0	97	0.00
7	T	Trichlorofluoromethane	0.963	0.934	3.0	103	0.00
8	T	Diethyl Ether	0.386	0.389	-0.8	97	0.00
9	T	1,1,2-Trichlorotrifluoroeth	0.557	0.553	0.7	105	0.00
10	T	Methyl Iodide	0.825	0.846	-2.5	100	0.00
11	T	Tert butyl alcohol	0.132	0.136	-3.0	95	0.00
12	CM	1,1-Dichloroethene	0.582	0.551	5.3#	98	0.00
13	T	Acrolein	0.019	0.019	0.0	94	0.00
14	T	Allyl chloride	1.084	1.029	5.1	96	0.00
15	T	Acrylonitrile	0.385	0.387	-0.5	93	0.00
16	T	Acetone	0.330	0.330	0.0	97	0.00
17	T	Carbon Disulfide	1.638	1.501	8.4	98	0.00
18	T	Methyl Acetate	0.906	0.864	4.6	97	0.00
19	T	Methyl tert-butyl Ether	2.055	2.087	-1.6	96	0.00
20	T	Methylene Chloride	0.678	0.642	5.3	96	0.00
21	T	trans-1,2-Dichloroethene	0.617	0.594	3.7	97	0.00
22	T	Diisopropyl ether	2.081	2.081	0.0	98	0.00
23	T	Vinyl Acetate	1.822	1.851	-1.6	99	0.00
24	P	1,1-Dichloroethane	1.142	1.104	3.3	98	0.00
25	T	2-Butanone	0.488	0.517	-5.9	100	0.00
26	T	2,2-Dichloropropane	0.973	0.925	4.9	102	0.00
27	T	cis-1,2-Dichloroethene	0.754	0.737	2.3	99	0.00
28	T	Bromochloromethane	0.561	0.555	1.1	100	0.00
29	T	Tetrahydrofuran	0.348	0.351	-0.9	98	0.00
30	C	Chloroform	1.179	1.159	1.7#	101	0.00
31	T	Cyclohexane	0.936	0.948	-1.3	107	0.00
32	T	1,1,1-Trichloroethane	1.029	1.010	1.8	101	0.00
33	S	1,2-Dichloroethane-d4	0.697	0.717	-2.9	102	0.00
34	I	1,4-Difluorobenzene	1.000	1.000	0.0	98	0.00
35	S	Dibromofluoromethane	0.378	0.346	8.5	96	0.00
36	T	1,1-Dichloropropene	0.507	0.453	10.7	104	0.00
37	T	Ethyl Acetate	0.713	0.686	3.8	101	0.00
38	T	Carbon Tetrachloride	0.577	0.510	11.6	103	0.00
39	T	Methylcyclohexane	0.569	0.560	1.6	107	0.00
40	TM	Benzene	1.571	1.425	9.3	99	0.00
41	T	Methacrylonitrile	0.314	0.319	-1.6	106	0.00
42	TM	1,2-Dichloroethane	0.538	0.497	7.6	101	0.00
43	T	Isopropyl Acetate	1.003	0.973	3.0	102	0.00
44	TM	Trichloroethene	0.375	0.360	4.0	99	0.00
45	C	1,2-Dichloropropane	0.361	0.365	-1.1#	99	0.00
46	T	Dibromomethane	0.263	0.270	-2.7	99	0.00
47	T	Bromodichloromethane	0.526	0.548	-4.2	99	0.00
48	T	Methyl methacrylate	0.446	0.472	-5.8	100	0.00

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX110725\
Data File : VX048525.D
Acq On : 07 Nov 2025 16:50
Operator : JC/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
ICVVX110725

Quant Time: Nov 08 05:04:12 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X110725W.M
Quant Title : SW846 8260
QLast Update : Sat Nov 08 05:01:56 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	0.007	0.007	0.0	96	0.00
50	S	Toluene-d8	1.180	1.199	-1.6	98	0.00
51	T	4-Methyl-2-Pentanone	0.571	0.627	-9.8	99	0.00
52	CM	Toluene	0.827	0.877	-6.0#	98	0.00
53	T	t-1,3-Dichloropropene	0.541	0.574	-6.1	98	0.00
54	T	cis-1,3-Dichloropropene	0.561	0.611	-8.9	99	0.00
55	T	1,1,2-Trichloroethane	0.330	0.363	-10.0	98	0.00
56	T	Ethyl methacrylate	0.550	0.622	-13.1	98	0.00
57	T	1,3-Dichloropropane	0.575	0.606	-5.4	96	0.00
58	T	2-Chloroethyl Vinyl ether	0.296	0.355	-19.9	98	0.00
59	T	2-Hexanone	0.425	0.471	-10.8	99	0.00
60	T	Dibromochloromethane	0.406	0.434	-6.9	97	0.00
61	T	1,2-Dibromoethane	0.358	0.384	-7.3	99	0.00
62	S	4-Bromofluorobenzene	0.440	0.447	-1.6	99	0.00
63	I	Chlorobenzene-d5	1.000	1.000	0.0	96	0.00
64	T	Tetrachloroethene	0.363	0.350	3.6	103	0.00
65	PM	Chlorobenzene	1.187	1.117	5.9	98	0.00
66	T	1,1,1,2-Tetrachloroethane	0.398	0.396	0.5	97	0.00
67	C	Ethyl Benzene	1.993	1.931	3.1#	99	0.00
68	T	m/p-Xylenes	0.751	0.747	0.5	100	0.00
69	T	o-Xylene	0.734	0.726	1.1	100	0.00
70	T	Styrene	1.232	1.216	1.3	97	0.00
71	P	Bromoform	0.367	0.353	3.8	98	0.00
72	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	97	0.00
73	T	Isopropylbenzene	3.629	3.586	1.2	101	0.00
74	T	N-amyl acetate	1.822	1.831	-0.5	100	0.00
75	P	1,1,2,2-Tetrachloroethane	1.280	1.251	2.3	99	0.00
76	T	1,2,3-Trichloropropane	1.205	1.002	16.8	66	0.00
77	T	Bromobenzene	0.937	0.901	3.8	97	0.00
78	T	n-propylbenzene	4.268	4.196	1.7	102	0.00
79	T	2-Chlorotoluene	2.579	2.515	2.5	101	0.00
80	T	1,3,5-Trimethylbenzene	2.959	2.967	-0.3	103	0.00
81	T	trans-1,4-Dichloro-2-butene	0.421	0.429	-1.9	96	0.00
82	T	4-Chlorotoluene	3.025	2.967	1.9	101	0.00
83	T	tert-Butylbenzene	3.060	3.042	0.6	101	0.00
84	T	1,2,4-Trimethylbenzene	2.985	2.993	-0.3	101	0.00
85	T	sec-Butylbenzene	3.782	3.729	1.4	104	0.00
86	T	p-Isopropyltoluene	3.180	3.143	1.2	103	0.00
87	T	1,3-Dichlorobenzene	1.756	1.669	5.0	99	0.00
88	T	1,4-Dichlorobenzene	1.814	1.689	6.9	98	0.00
89	T	n-Butylbenzene	2.983	2.922	2.0	105	0.00
90	T	Hexachloroethane	0.606	0.587	3.1	104	0.00
91	T	1,2-Dichlorobenzene	1.686	1.618	4.0	97	0.00
92	T	1,2-Dibromo-3-Chloropropane	0.297	0.301	-1.3	99	0.00
93	T	1,2,4-Trichlorobenzene	1.120	1.109	1.0	101	0.00
94	T	Hexachlorobutadiene	0.468	0.441	5.8	106	0.00
95	T	Naphthalene	3.603	3.788	-5.1	100	0.00

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX110725\
Data File : VX048525.D
Acq On : 07 Nov 2025 16:50
Operator : JC/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
ICVVX110725

Quant Time: Nov 08 05:04:12 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X110725W.M
Quant Title : SW846 8260
QLast Update : Sat Nov 08 05:01:56 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	1.042	1.052	-1.0	101	0.00

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

Evaluate Continuing Calibration Report

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX110725\
Data File : VX048525.D
Acq On : 07 Nov 2025 16:50
Operator : JC/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
ICVVX110725

Quant Time: Nov 08 05:04:12 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X110725W.M
Quant Title : SW846 8260
QLast Update : Sat Nov 08 05:01:56 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	97	0.00
2	T	Dichlorodifluoromethane	50.000	55.942	-11.9	104	0.00
3	P	Chloromethane	50.000	53.094	-6.2	94	0.00
4	C	Vinyl Chloride	50.000	49.519	1.0#	98	0.00
5	T	Bromomethane	50.000	54.997	-10.0	97	0.00
6	T	Chloroethane	50.000	47.919	4.2	97	0.00
7	T	Trichlorofluoromethane	50.000	48.532	2.9	103	0.00
8	T	Diethyl Ether	50.000	50.384	-0.8	97	0.00
9	T	1,1,2-Trichlorotrifluoroeth	50.000	49.618	0.8	105	0.00
10	T	Methyl Iodide	50.000	51.263	-2.5	100	0.00
11	T	Tert butyl alcohol	250.000	257.016	-2.8	95	0.00
12	CM	1,1-Dichloroethene	50.000	47.299	5.4#	98	0.00
13	T	Acrolein	250.000	254.482	-1.8	94	0.00
14	T	Allyl chloride	50.000	47.471	5.1	96	0.00
15	T	Acrylonitrile	250.000	251.074	-0.4	93	0.00
16	T	Acetone	250.000	250.130	-0.1	97	0.00
17	T	Carbon Disulfide	50.000	45.815	8.4	98	0.00
18	T	Methyl Acetate	50.000	47.674	4.7	97	0.00
19	T	Methyl tert-butyl Ether	50.000	50.775	-1.5	96	0.00
20	T	Methylene Chloride	50.000	47.322	5.4	96	0.00
21	T	trans-1,2-Dichloroethene	50.000	48.175	3.7	97	0.00
22	T	Diisopropyl ether	50.000	50.011	-0.0	98	0.00
23	T	Vinyl Acetate	250.000	253.844	-1.5	99	0.00
24	P	1,1-Dichloroethane	50.000	48.344	3.3	98	0.00
25	T	2-Butanone	250.000	264.945	-6.0	100	0.00
26	T	2,2-Dichloropropane	50.000	47.519	5.0	102	0.00
27	T	cis-1,2-Dichloroethene	50.000	48.854	2.3	99	0.00
28	T	Bromochloromethane	50.000	49.472	1.1	100	0.00
29	T	Tetrahydrofuran	250.000	251.928	-0.8	98	0.00
30	C	Chloroform	50.000	49.181	1.6#	101	0.00
31	T	Cyclohexane	50.000	50.678	-1.4	107	0.00
32	T	1,1,1-Trichloroethane	50.000	49.079	1.8	101	0.00
33	S	1,2-Dichloroethane-d4	50.000	51.433	-2.9	102	0.00
34	I	1,4-Difluorobenzene	50.000	50.000	0.0	98	0.00
35	S	Dibromofluoromethane	50.000	45.730	8.5	96	0.00
36	T	1,1-Dichloropropene	50.000	44.670	10.7	104	0.00
37	T	Ethyl Acetate	50.000	48.107	3.8	101	0.00
38	T	Carbon Tetrachloride	50.000	44.212	11.6	103	0.00
39	T	Methylcyclohexane	50.000	49.240	1.5	107	0.00
40	TM	Benzene	50.000	45.369	9.3	99	0.00
41	T	Methacrylonitrile	50.000	50.900	-1.8	106	0.00
42	TM	1,2-Dichloroethane	50.000	46.187	7.6	101	0.00
43	T	Isopropyl Acetate	50.000	48.542	2.9	102	0.00
44	TM	Trichloroethene	50.000	48.007	4.0	99	0.00
45	C	1,2-Dichloropropane	50.000	50.462	-0.9#	99	0.00
46	T	Dibromomethane	50.000	51.317	-2.6	99	0.00
47	T	Bromodichloromethane	50.000	52.124	-4.2	99	0.00
48	T	Methyl methacrylate	50.000	52.901	-5.8	100	0.00

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX110725\
Data File : VX048525.D
Acq On : 07 Nov 2025 16:50
Operator : JC/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
ICVVX110725

Quant Time: Nov 08 05:04:12 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X110725W.M
Quant Title : SW846 8260
QLast Update : Sat Nov 08 05:01:56 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	1066.027	-6.6	96	0.00
50	S	Toluene-d8	50.000	50.780	-1.6	98	0.00
51	T	4-Methyl-2-Pentanone	250.000	274.770	-9.9	99	0.00
52	CM	Toluene	50.000	53.014	-6.0#	98	0.00
53	T	t-1,3-Dichloropropene	50.000	53.042	-6.1	98	0.00
54	T	cis-1,3-Dichloropropene	50.000	54.498	-9.0	99	0.00
55	T	1,1,2-Trichloroethane	50.000	54.903	-9.8	98	0.00
56	T	Ethyl methacrylate	50.000	56.539	-13.1	98	0.00
57	T	1,3-Dichloropropane	50.000	52.652	-5.3	96	0.00
58	T	2-Chloroethyl Vinyl ether	250.000	299.907	-20.0	98	0.00
59	T	2-Hexanone	250.000	277.453	-11.0	99	0.00
60	T	Dibromochloromethane	50.000	53.460	-6.9	97	0.00
61	T	1,2-Dibromoethane	50.000	53.598	-7.2	99	0.00
62	S	4-Bromofluorobenzene	50.000	50.843	-1.7	99	0.00
63	I	Chlorobenzene-d5	50.000	50.000	0.0	96	0.00
64	T	Tetrachloroethene	50.000	48.124	3.8	103	0.00
65	PM	Chlorobenzene	50.000	47.057	5.9	98	0.00
66	T	1,1,1,2-Tetrachloroethane	50.000	49.801	0.4	97	0.00
67	C	Ethyl Benzene	50.000	48.456	3.1#	99	0.00
68	T	m/p-Xylenes	100.000	99.482	0.5	100	0.00
69	T	o-Xylene	50.000	49.430	1.1	100	0.00
70	T	Styrene	50.000	49.362	1.3	97	0.00
71	P	Bromoform	50.000	48.145	3.7	98	0.00
72	I	1,4-Dichlorobenzene-d4	50.000	50.000	0.0	97	0.00
73	T	Isopropylbenzene	50.000	49.403	1.2	101	0.00
74	T	N-amyl acetate	50.000	50.225	-0.5	100	0.00
75	P	1,1,2,2-Tetrachloroethane	50.000	48.855	2.3	99	0.00
76	T	1,2,3-Trichloropropane	50.000	41.585	16.8	66	0.00
77	T	Bromobenzene	50.000	48.079	3.8	97	0.00
78	T	n-propylbenzene	50.000	49.162	1.7	102	0.00
79	T	2-Chlorotoluene	50.000	48.767	2.5	101	0.00
80	T	1,3,5-Trimethylbenzene	50.000	50.134	-0.3	103	0.00
81	T	trans-1,4-Dichloro-2-butene	50.000	50.890	-1.8	96	0.00
82	T	4-Chlorotoluene	50.000	49.035	1.9	101	0.00
83	T	tert-Butylbenzene	50.000	49.698	0.6	101	0.00
84	T	1,2,4-Trimethylbenzene	50.000	50.137	-0.3	101	0.00
85	T	sec-Butylbenzene	50.000	49.297	1.4	104	0.00
86	T	p-Isopropyltoluene	50.000	49.417	1.2	103	0.00
87	T	1,3-Dichlorobenzene	50.000	47.519	5.0	99	0.00
88	T	1,4-Dichlorobenzene	50.000	46.536	6.9	98	0.00
89	T	n-Butylbenzene	50.000	48.984	2.0	105	0.00
90	T	Hexachloroethane	50.000	48.425	3.2	104	0.00
91	T	1,2-Dichlorobenzene	50.000	47.984	4.0	97	0.00
92	T	1,2-Dibromo-3-Chloropropane	50.000	50.566	-1.1	99	0.00
93	T	1,2,4-Trichlorobenzene	50.000	49.507	1.0	101	0.00
94	T	Hexachlorobutadiene	50.000	47.031	5.9	106	0.00
95	T	Naphthalene	50.000	52.576	-5.2	100	0.00

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX110725\
Data File : VX048525.D
Acq On : 07 Nov 2025 16:50
Operator : JC/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
ICVVX110725

Quant Time: Nov 08 05:04:12 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X110725W.M
Quant Title : SW846 8260
QLast Update : Sat Nov 08 05:01:56 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	50.471	-0.9	101	0.00

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

Raw Data: **VX048563.D**

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

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Alliance
Contract: ROMA02
Lab Code: ACE
SDG No.: Q3604
Instrument ID: MSVOA_X
Calibration Date/Time: 11/12/2025 09:11
Lab File ID: VX048563.D
Init. Calib. Date(s): 11/07/2025 11/07/2025
Heated Purge: (Y/N) N
Init. Calib. Time(s): 13:35 16:29
GC Column: DB-624UI ID: 0.18 (mm)

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Vinyl Chloride	0.608	0.618		1.64	20
1,1-Dichloroethene	0.582	0.567		-2.58	20
2-Butanone	0.488	0.514		5.33	20
Carbon Tetrachloride	0.577	0.530		-8.15	20
Chloroform	1.179	1.150		-2.46	20
Benzene	1.571	1.453		-7.51	20
1,2-Dichloroethane	0.538	0.514		-4.46	20
Trichloroethene	0.375	0.371		-1.07	20
Tetrachloroethene	0.363	0.354		-2.48	20
Chlorobenzene	1.187	1.154	0.3	-2.78	20
1,2-Dichloroethane-d4	0.697	0.645		-7.46	20
Dibromofluoromethane	0.378	0.329		-12.96	20
Toluene-d8	1.180	1.121		-5	20
4-Bromofluorobenzene	0.440	0.422		-4.09	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\VX111225\
Data File : VX048563.D
Acq On : 12 Nov 2025 09:11
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Quant Time: Nov 14 00:22:17 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X110725W.M
Quant Title : SW846 8260
QLast Update : Sat Nov 08 05:08:11 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.525	168	168053	50.000	ug/l	-0.01
34) 1,4-Difluorobenzene	6.739	114	278642	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	246918	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	123894	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.934	65	108339	46.265	ug/l	-0.01
Spiked Amount 50.000	Range 78 - 117		Recovery = 92.540%			
35) Dibromofluoromethane	5.361	113	91716	43.489	ug/l	-0.01
Spiked Amount 50.000	Range 75 - 124		Recovery = 86.980%			
50) Toluene-d8	8.629	98	312401	47.496	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 95.000%			
62) 4-Bromofluorobenzene	11.061	95	117449	47.915	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 95.840%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.173	85	74953	55.042	ug/l	99
3) Chloromethane	1.301	50	88393	48.941	ug/l	98
4) Vinyl Chloride	1.380	62	103794	50.757	ug/l	98
5) Bromomethane	1.611	94	70626	54.695	ug/l	97
6) Chloroethane	1.691	64	64822	48.403	ug/l	100
7) Trichlorofluoromethane	1.892	101	159394	49.269	ug/l	97
8) Diethyl Ether	2.130	74	66616	51.298	ug/l	94
9) 1,1,2-Trichlorotrifluo...	2.331	101	94649	50.536	ug/l	99
10) Methyl Iodide	2.453	142	138090	49.820	ug/l	99
11) Tert butyl alcohol	2.934	59	113518	255.831	ug/l	98
12) 1,1-Dichloroethene	2.319	96	95236	48.681	ug/l	99
13) Acrolein	2.233	56	41256	642.610	ug/l	95
14) Allyl chloride	2.660	41	179011	49.147	ug/l	99
15) Acrylonitrile	3.050	53	351942	271.701	ug/l	100
16) Acetone	2.367	43	293921	265.165	ug/l	100
17) Carbon Disulfide	2.514	76	253355	46.022	ug/l	100
18) Methyl Acetate	2.691	43	157884	51.831	ug/l	96
19) Methyl tert-butyl Ether	3.099	73	358408	51.880	ug/l	98
20) Methylene Chloride	2.782	84	111767	49.045	ug/l	97
21) trans-1,2-Dichloroethene	3.087	96	100275	48.362	ug/l	98
22) Diisopropyl ether	3.739	45	362083	51.770	ug/l	87
23) Vinyl Acetate	3.703	43	1617560	264.071	ug/l	99
24) 1,1-Dichloroethane	3.599	63	191362	49.864	ug/l	100
25) 2-Butanone	4.526	43	432013	263.462	ug/l	99
26) 2,2-Dichloropropane	4.459	77	158830	48.547	ug/l	100
27) cis-1,2-Dichloroethene	4.471	96	123664	48.793	ug/l	98
28) Bromochloromethane	4.879	49	83297	44.183	ug/l	98
29) Tetrahydrofuran	4.971	42	295767	252.899	ug/l	99
30) Chloroform	5.074	83	193225	48.771	ug/l	99
31) Cyclohexane	5.452	56	153589	48.845	ug/l	96
32) 1,1,1-Trichloroethane	5.361	97	165870	47.973	ug/l	99
36) 1,1-Dichloropropene	5.672	75	128334	45.445	ug/l	99
37) Ethyl Acetate	4.684	43	195174	49.099	ug/l	98
38) Carbon Tetrachloride	5.660	117	147817	45.983	ug/l	96
39) Methylcyclohexane	7.360	83	156778	49.444	ug/l	98
40) Benzene	6.019	78	404835	46.247	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX111225\
Data File : VX048563.D
Acq On : 12 Nov 2025 09:11
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Quant Time: Nov 14 00:22:17 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X110725W.M
Quant Title : SW846 8260
QLast Update : Sat Nov 08 05:08:11 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	4.891	41	88184	50.444	ug/l		97
42) 1,2-Dichloroethane	6.062	62	143217	47.751	ug/l		98
43) Isopropyl Acetate	6.312	43	271982	48.674	ug/l		100
44) Trichloroethene	7.104	130	103452	49.443	ug/l		99
45) 1,2-Dichloropropane	7.409	63	104157	51.749	ug/l		99
46) Dibromomethane	7.562	93	77897	53.063	ug/l		98
47) Bromodichloromethane	7.799	83	156711	53.510	ug/l		100
48) Methyl methacrylate	7.671	41	135482	54.542	ug/l		99
49) 1,4-Dioxane	7.635	88	42057	1111.159	ug/l		98
51) 4-Methyl-2-Pentanone	8.549	43	891859	280.392	ug/l		100
52) Toluene	8.696	92	250966	54.455	ug/l		99
53) t-1,3-Dichloropropene	8.958	75	161238	53.431	ug/l		100
54) cis-1,3-Dichloropropene	8.348	75	173482	55.519	ug/l		98
55) 1,1,2-Trichloroethane	9.135	97	104564	56.788	ug/l		97
56) Ethyl methacrylate	9.098	69	177610	57.977	ug/l		99
57) 1,3-Dichloropropane	9.287	76	174367	54.405	ug/l		99
58) 2-Chloroethyl Vinyl ether	8.220	63	469773	285.229	ug/l		100
59) 2-Hexanone	9.409	43	672635	284.289	ug/l		98
60) Dibromochloromethane	9.500	129	126810	56.093	ug/l		98
61) 1,2-Dibromoethane	9.592	107	112967	56.644	ug/l		100
64) Tetrachloroethene	9.256	164	87372	48.718	ug/l		94
65) Chlorobenzene	10.061	112	284935	48.618	ug/l		99
66) 1,1,1,2-Tetrachloroethane	10.147	131	102077	51.982	ug/l		99
67) Ethyl Benzene	10.177	91	482926	49.071	ug/l		98
68) m/p-Xylenes	10.281	106	371283	100.171	ug/l		98
69) o-Xylene	10.622	106	177381	48.914	ug/l		99
70) Styrene	10.634	104	308822	50.766	ug/l		99
71) Bromoform	10.781	173	91596	50.559	ug/l	#	99
73) Isopropylbenzene	10.945	105	459039	51.044	ug/l		100
74) N-amyl acetate	10.823	43	227306	50.339	ug/l		100
75) 1,1,2,2-Tetrachloroethane	11.195	83	158775	50.065	ug/l		100
76) 1,2,3-Trichloropropane	11.220	75	133797m	44.826	ug/l		
77) Bromobenzene	11.177	156	117077	50.417	ug/l		100
78) n-propylbenzene	11.287	91	539641	51.033	ug/l		99
79) 2-Chlorotoluene	11.348	91	317700	49.720	ug/l		100
80) 1,3,5-Trimethylbenzene	11.433	105	372484	50.808	ug/l		100
81) trans-1,4-Dichloro-2-b...	11.000	75	56132	53.791	ug/l	#	91
82) 4-Chlorotoluene	11.433	91	377673	50.388	ug/l		99
83) tert-Butylbenzene	11.695	119	389804	51.407	ug/l		99
84) 1,2,4-Trimethylbenzene	11.732	105	379754	51.339	ug/l		100
85) sec-Butylbenzene	11.872	105	470949	50.251	ug/l		100
86) p-Isopropyltoluene	11.988	119	398406	50.565	ug/l		99
87) 1,3-Dichlorobenzene	11.951	146	215145	49.432	ug/l		100
88) 1,4-Dichlorobenzene	12.018	146	217566	48.395	ug/l		99
89) n-Butylbenzene	12.311	91	374090	50.611	ug/l		100
90) Hexachloroethane	12.518	117	73049	48.661	ug/l		98
91) 1,2-Dichlorobenzene	12.317	146	206667	49.463	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	12.920	75	36888	50.052	ug/l		99
93) 1,2,4-Trichlorobenzene	13.567	180	134042	48.278	ug/l		99
94) Hexachlorobutadiene	13.707	225	55783	48.062	ug/l		98
95) Naphthalene	13.756	128	467461	52.367	ug/l		100
96) 1,2,3-Trichlorobenzene	13.939	180	128487	49.753	ug/l		100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX111225\
Data File : VX048563.D
Acq On : 12 Nov 2025 09:11
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Quant Time: Nov 14 00:22:17 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X110725W.M
Quant Title : SW846 8260
QLast Update : Sat Nov 08 05:08:11 2025
Response via : Initial Calibration

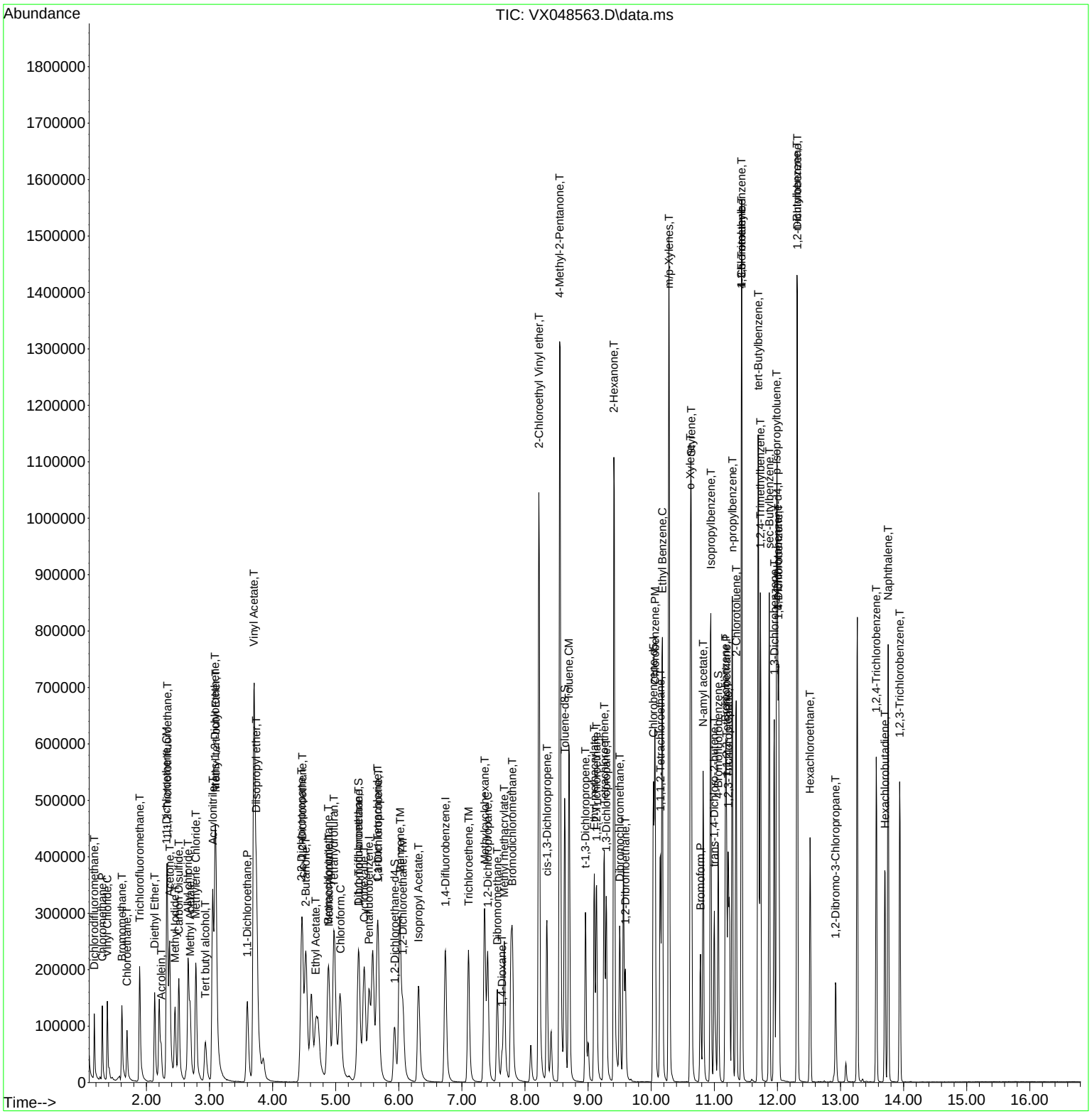
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX111225\
Data File : VX048563.D
Acq On : 12 Nov 2025 09:11
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Quant Time: Nov 14 00:22:17 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X110725W.M
Quant Title : SW846 8260
QLast Update : Sat Nov 08 05:08:11 2025
Response via : Initial Calibration



Sample Results: **VX048563.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX111225\
Data File : VX048563.D
Acq On : 12 Nov 2025 09:11
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: Nov 14 00:22:17 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X110725W.M
Quant Title : SW846 8260
QLast Update : Sat Nov 08 05:08:11 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	93	-0.01
2	T	Dichlorodifluoromethane	0.405	0.446	-10.1	98	0.00
3	P	Chloromethane	0.537	0.526	2.0	83	0.00
4	C	Vinyl Chloride	0.608	0.618	-1.6#	96	0.00
5	T	Bromomethane	0.384	0.420	-9.4	92	0.00
6	T	Chloroethane	0.398	0.386	3.0	94	0.00
7	T	Trichlorofluoromethane	0.963	0.948	1.6	100	0.00
8	T	Diethyl Ether	0.386	0.396	-2.6	94	0.00
9	T	1,1,2-Trichlorotrifluoroeth	0.557	0.563	-1.1	102	0.00
10	T	Methyl Iodide	0.825	0.822	0.4	93	0.00
11	T	Tert butyl alcohol	0.132	0.135	-2.3	91	0.00
12	CM	1,1-Dichloroethene	0.582	0.567	2.6#	97	0.00
13	T	Acrolein	0.019	0.049	-157.9#	227#	0.00
14	T	Allyl chloride	1.084	1.065	1.8	95	0.00
15	T	Acrylonitrile	0.385	0.419	-8.8	97	0.00
16	T	Acetone	0.330	0.350	-6.1	99	0.00
17	T	Carbon Disulfide	1.638	1.508	7.9	95	0.00
18	T	Methyl Acetate	0.906	0.939	-3.6	101	0.00
19	T	Methyl tert-butyl Ether	2.055	2.133	-3.8	94	0.00
20	T	Methylene Chloride	0.678	0.665	1.9	95	0.00
21	T	trans-1,2-Dichloroethene	0.617	0.597	3.2	93	0.00
22	T	Diisopropyl ether	2.081	2.155	-3.6	97	-0.01
23	T	Vinyl Acetate	1.822	1.925	-5.7	98	-0.01
24	P	1,1-Dichloroethane	1.142	1.139	0.3	96	0.00
25	T	2-Butanone	0.488	0.514	-5.3	95	-0.01
26	T	2,2-Dichloropropane	0.973	0.945	2.9	100	0.00
27	T	cis-1,2-Dichloroethene	0.754	0.736	2.4	95	-0.01
28	T	Bromochloromethane	0.561	0.496	11.6	85	0.00
29	T	Tetrahydrofuran	0.348	0.352	-1.1	94	-0.02
30	C	Chloroform	1.179	1.150	2.5#	96	-0.01
31	T	Cyclohexane	0.936	0.914	2.4	98	0.00
32	T	1,1,1-Trichloroethane	1.029	0.987	4.1	95	-0.01
33	S	1,2-Dichloroethane-d4	0.697	0.645	7.5	88	-0.01
34	I	1,4-Difluorobenzene	1.000	1.000	0.0	91	0.00
35	S	Dibromofluoromethane	0.378	0.329	13.0	85	-0.01
36	T	1,1-Dichloropropene	0.507	0.461	9.1	98	0.00
37	T	Ethyl Acetate	0.713	0.700	1.8	95	-0.01
38	T	Carbon Tetrachloride	0.577	0.530	8.1	99	0.00
39	T	Methylcyclohexane	0.569	0.563	1.1	100	0.00
40	TM	Benzene	1.571	1.453	7.5	94	0.00
41	T	Methacrylonitrile	0.314	0.316	-0.6	97	-0.01
42	TM	1,2-Dichloroethane	0.538	0.514	4.5	97	-0.01
43	T	Isopropyl Acetate	1.003	0.976	2.7	95	-0.01
44	TM	Trichloroethene	0.375	0.371	1.1	95	0.00
45	C	1,2-Dichloropropane	0.361	0.374	-3.6#	95	0.00
46	T	Dibromomethane	0.263	0.280	-6.5	95	0.00
47	T	Bromodichloromethane	0.526	0.562	-6.8	94	0.00
48	T	Methyl methacrylate	0.446	0.486	-9.0	95	0.00

Sample Results: **VX048563.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX111225\
Data File : VX048563.D
Acq On : 12 Nov 2025 09:11
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: Nov 14 00:22:17 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X110725W.M
Quant Title : SW846 8260
QLast Update : Sat Nov 08 05:08:11 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	0.007	0.008	-14.3	93	-0.01
50	S	Toluene-d8	1.180	1.121	5.0	85	0.00
51	T	4-Methyl-2-Pentanone	0.571	0.640	-12.1	94	0.00
52	CM	Toluene	0.827	0.901	-8.9#	93	0.00
53	T	t-1,3-Dichloropropene	0.541	0.579	-7.0	92	0.00
54	T	cis-1,3-Dichloropropene	0.561	0.623	-11.1	93	0.00
55	T	1,1,2-Trichloroethane	0.330	0.375	-13.6	94	0.00
56	T	Ethyl methacrylate	0.550	0.637	-15.8	93	0.00
57	T	1,3-Dichloropropane	0.575	0.626	-8.9	92	0.00
58	T	2-Chloroethyl Vinyl ether	0.296	0.337	-13.9	86	0.00
59	T	2-Hexanone	0.425	0.483	-13.6	94	0.00
60	T	Dibromochloromethane	0.406	0.455	-12.1	95	0.00
61	T	1,2-Dibromoethane	0.358	0.405	-13.1	97	0.00
62	S	4-Bromofluorobenzene	0.440	0.422	4.1	86	0.00
63	I	Chlorobenzene-d5	1.000	1.000	0.0	91	0.00
64	T	Tetrachloroethene	0.363	0.354	2.5	98	0.00
65	PM	Chlorobenzene	1.187	1.154	2.8	95	0.00
66	T	1,1,1,2-Tetrachloroethane	0.398	0.413	-3.8	96	0.00
67	C	Ethyl Benzene	1.993	1.956	1.9#	94	0.00
68	T	m/p-Xylenes	0.751	0.752	-0.1	95	0.00
69	T	o-Xylene	0.734	0.718	2.2	93	0.00
70	T	Styrene	1.232	1.251	-1.5	94	0.00
71	P	Bromoform	0.367	0.371	-1.1	97	0.00
72	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	90	0.00
73	T	Isopropylbenzene	3.629	3.705	-2.1	97	0.00
74	T	N-amyl acetate	1.822	1.835	-0.7	92	0.00
75	P	1,1,2,2-Tetrachloroethane	1.280	1.282	-0.2	94	0.00
76	T	1,2,3-Trichloropropane	1.205	1.080	10.4	66	0.00
77	T	Bromobenzene	0.937	0.945	-0.9	94	0.00
78	T	n-propylbenzene	4.268	4.356	-2.1	98	0.00
79	T	2-Chlorotoluene	2.579	2.564	0.6	95	0.00
80	T	1,3,5-Trimethylbenzene	2.959	3.006	-1.6	96	0.00
81	T	trans-1,4-Dichloro-2-butene	0.421	0.453	-7.6	94	0.00
82	T	4-Chlorotoluene	3.025	3.048	-0.8	96	0.00
83	T	tert-Butylbenzene	3.060	3.146	-2.8	97	0.00
84	T	1,2,4-Trimethylbenzene	2.985	3.065	-2.7	96	0.00
85	T	sec-Butylbenzene	3.782	3.801	-0.5	98	0.00
86	T	p-Isopropyltoluene	3.180	3.216	-1.1	97	0.00
87	T	1,3-Dichlorobenzene	1.756	1.737	1.1	95	0.00
88	T	1,4-Dichlorobenzene	1.814	1.756	3.2	95	0.00
89	T	n-Butylbenzene	2.983	3.019	-1.2	100	0.00
90	T	Hexachloroethane	0.606	0.590	2.6	97	0.00
91	T	1,2-Dichlorobenzene	1.686	1.668	1.1	93	0.00
92	T	1,2-Dibromo-3-Chloropropane	0.297	0.298	-0.3	91	0.00
93	T	1,2,4-Trichlorobenzene	1.120	1.082	3.4	92	0.00
94	T	Hexachlorobutadiene	0.468	0.450	3.8	100	0.00
95	T	Naphthalene	3.603	3.773	-4.7	92	0.00

Sample Results: **VX048563.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX111225\
Data File : VX048563.D
Acq On : 12 Nov 2025 09:11
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: Nov 14 00:22:17 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X110725W.M
Quant Title : SW846 8260
QLast Update : Sat Nov 08 05:08:11 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	1.042	1.037	0.5	92	0.00

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

Sample Results: **VX048563.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX111225\
Data File : VX048563.D
Acq On : 12 Nov 2025 09:11
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: Nov 14 00:22:17 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X110725W.M
Quant Title : SW846 8260
QLast Update : Sat Nov 08 05:08:11 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	93	-0.01
2	T	Dichlorodifluoromethane	50.000	55.042	-10.1	98	0.00
3	P	Chloromethane	50.000	48.941	2.1	83	0.00
4	C	Vinyl Chloride	50.000	50.757	-1.5#	96	0.00
5	T	Bromomethane	50.000	54.695	-9.4	92	0.00
6	T	Chloroethane	50.000	48.403	3.2	94	0.00
7	T	Trichlorofluoromethane	50.000	49.269	1.5	100	0.00
8	T	Diethyl Ether	50.000	51.298	-2.6	94	0.00
9	T	1,1,2-Trichlorotrifluoroeth	50.000	50.536	-1.1	102	0.00
10	T	Methyl Iodide	50.000	49.820	0.4	93	0.00
11	T	Tert butyl alcohol	250.000	255.831	-2.3	91	0.00
12	CM	1,1-Dichloroethene	50.000	48.681	2.6#	97	0.00
13	T	Acrolein	250.000	642.610	-157.0#	227	0.00
14	T	Allyl chloride	50.000	49.147	1.7	95	0.00
15	T	Acrylonitrile	250.000	271.701	-8.7	97	0.00
16	T	Acetone	250.000	265.165	-6.1	99	0.00
17	T	Carbon Disulfide	50.000	46.022	8.0	95	0.00
18	T	Methyl Acetate	50.000	51.831	-3.7	101	0.00
19	T	Methyl tert-butyl Ether	50.000	51.880	-3.8	94	0.00
20	T	Methylene Chloride	50.000	49.045	1.9	95	0.00
21	T	trans-1,2-Dichloroethene	50.000	48.362	3.3	93	0.00
22	T	Diisopropyl ether	50.000	51.770	-3.5	97	-0.01
23	T	Vinyl Acetate	250.000	264.071	-5.6	98	-0.01
24	P	1,1-Dichloroethane	50.000	49.864	0.3	96	0.00
25	T	2-Butanone	250.000	263.462	-5.4	95	-0.01
26	T	2,2-Dichloropropane	50.000	48.547	2.9	100	0.00
27	T	cis-1,2-Dichloroethene	50.000	48.793	2.4	95	-0.01
28	T	Bromochloromethane	50.000	44.183	11.6	85	0.00
29	T	Tetrahydrofuran	250.000	252.899	-1.2	94	-0.02
30	C	Chloroform	50.000	48.771	2.5#	96	-0.01
31	T	Cyclohexane	50.000	48.845	2.3	98	0.00
32	T	1,1,1-Trichloroethane	50.000	47.973	4.1	95	-0.01
33	S	1,2-Dichloroethane-d4	50.000	46.265	7.5	88	-0.01
34	I	1,4-Difluorobenzene	50.000	50.000	0.0	91	0.00
35	S	Dibromofluoromethane	50.000	43.489	13.0	85	-0.01
36	T	1,1-Dichloropropene	50.000	45.445	9.1	98	0.00
37	T	Ethyl Acetate	50.000	49.099	1.8	95	-0.01
38	T	Carbon Tetrachloride	50.000	45.983	8.0	99	0.00
39	T	Methylcyclohexane	50.000	49.444	1.1	100	0.00
40	TM	Benzene	50.000	46.247	7.5	94	0.00
41	T	Methacrylonitrile	50.000	50.444	-0.9	97	-0.01
42	TM	1,2-Dichloroethane	50.000	47.751	4.5	97	-0.01
43	T	Isopropyl Acetate	50.000	48.674	2.7	95	-0.01
44	TM	Trichloroethene	50.000	49.443	1.1	95	0.00
45	C	1,2-Dichloropropane	50.000	51.749	-3.5#	95	0.00
46	T	Dibromomethane	50.000	53.063	-6.1	95	0.00
47	T	Bromodichloromethane	50.000	53.510	-7.0	94	0.00
48	T	Methyl methacrylate	50.000	54.542	-9.1	95	0.00

Sample Results: **VX048563.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX111225\
Data File : VX048563.D
Acq On : 12 Nov 2025 09:11
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: Nov 14 00:22:17 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X110725W.M
Quant Title : SW846 8260
QLast Update : Sat Nov 08 05:08:11 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	1111.159	-11.1	93	-0.01
50	S	Toluene-d8	50.000	47.496	5.0	85	0.00
51	T	4-Methyl-2-Pentanone	250.000	280.392	-12.2	94	0.00
52	CM	Toluene	50.000	54.455	-8.9#	93	0.00
53	T	t-1,3-Dichloropropene	50.000	53.431	-6.9	92	0.00
54	T	cis-1,3-Dichloropropene	50.000	55.519	-11.0	93	0.00
55	T	1,1,2-Trichloroethane	50.000	56.788	-13.6	94	0.00
56	T	Ethyl methacrylate	50.000	57.977	-16.0	93	0.00
57	T	1,3-Dichloropropane	50.000	54.405	-8.8	92	0.00
58	T	2-Chloroethyl Vinyl ether	250.000	285.229	-14.1	86	0.00
59	T	2-Hexanone	250.000	284.289	-13.7	94	0.00
60	T	Dibromochloromethane	50.000	56.093	-12.2	95	0.00
61	T	1,2-Dibromoethane	50.000	56.644	-13.3	97	0.00
62	S	4-Bromofluorobenzene	50.000	47.915	4.2	86	0.00
63	I	Chlorobenzene-d5	50.000	50.000	0.0	91	0.00
64	T	Tetrachloroethene	50.000	48.718	2.6	98	0.00
65	PM	Chlorobenzene	50.000	48.618	2.8	95	0.00
66	T	1,1,1,2-Tetrachloroethane	50.000	51.982	-4.0	96	0.00
67	C	Ethyl Benzene	50.000	49.071	1.9#	94	0.00
68	T	m/p-Xylenes	100.000	100.171	-0.2	95	0.00
69	T	o-Xylene	50.000	48.914	2.2	93	0.00
70	T	Styrene	50.000	50.766	-1.5	94	0.00
71	P	Bromoform	50.000	50.559	-1.1	97	0.00
72	I	1,4-Dichlorobenzene-d4	50.000	50.000	0.0	90	0.00
73	T	Isopropylbenzene	50.000	51.044	-2.1	97	0.00
74	T	N-amyl acetate	50.000	50.339	-0.7	92	0.00
75	P	1,1,2,2-Tetrachloroethane	50.000	50.065	-0.1	94	0.00
76	T	1,2,3-Trichloropropane	50.000	44.826	10.3	66	0.00
77	T	Bromobenzene	50.000	50.417	-0.8	94	0.00
78	T	n-propylbenzene	50.000	51.033	-2.1	98	0.00
79	T	2-Chlorotoluene	50.000	49.720	0.6	95	0.00
80	T	1,3,5-Trimethylbenzene	50.000	50.808	-1.6	96	0.00
81	T	trans-1,4-Dichloro-2-butene	50.000	53.791	-7.6	94	0.00
82	T	4-Chlorotoluene	50.000	50.388	-0.8	96	0.00
83	T	tert-Butylbenzene	50.000	51.407	-2.8	97	0.00
84	T	1,2,4-Trimethylbenzene	50.000	51.339	-2.7	96	0.00
85	T	sec-Butylbenzene	50.000	50.251	-0.5	98	0.00
86	T	p-Isopropyltoluene	50.000	50.565	-1.1	97	0.00
87	T	1,3-Dichlorobenzene	50.000	49.432	1.1	95	0.00
88	T	1,4-Dichlorobenzene	50.000	48.395	3.2	95	0.00
89	T	n-Butylbenzene	50.000	50.611	-1.2	100	0.00
90	T	Hexachloroethane	50.000	48.661	2.7	97	0.00
91	T	1,2-Dichlorobenzene	50.000	49.463	1.1	93	0.00
92	T	1,2-Dibromo-3-Chloropropane	50.000	50.052	-0.1	91	0.00
93	T	1,2,4-Trichlorobenzene	50.000	48.278	3.4	92	0.00
94	T	Hexachlorobutadiene	50.000	48.062	3.9	100	0.00
95	T	Naphthalene	50.000	52.367	-4.7	92	0.00

Sample Results: **VX048563.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX111225\
Data File : VX048563.D
Acq On : 12 Nov 2025 09:11
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: Nov 14 00:22:17 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X110725W.M
Quant Title : SW846 8260
QLast Update : Sat Nov 08 05:08:11 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	49.753	0.5	92	0.00

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

QC SAMPLE DATA

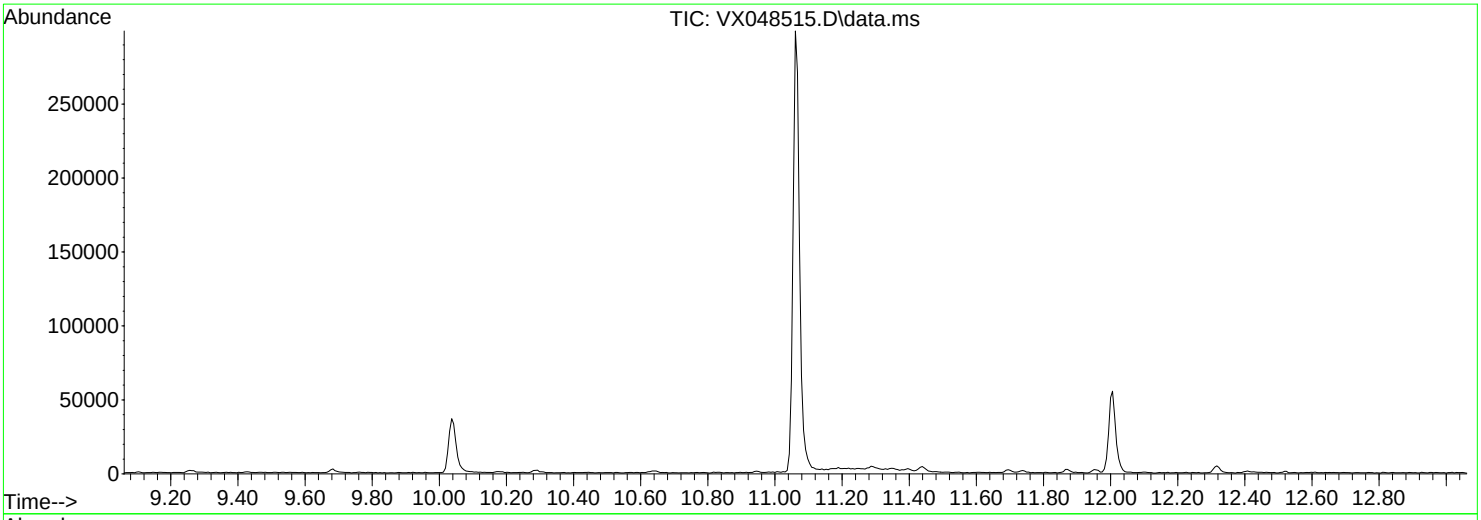
Sample Results: **VX048515.D**

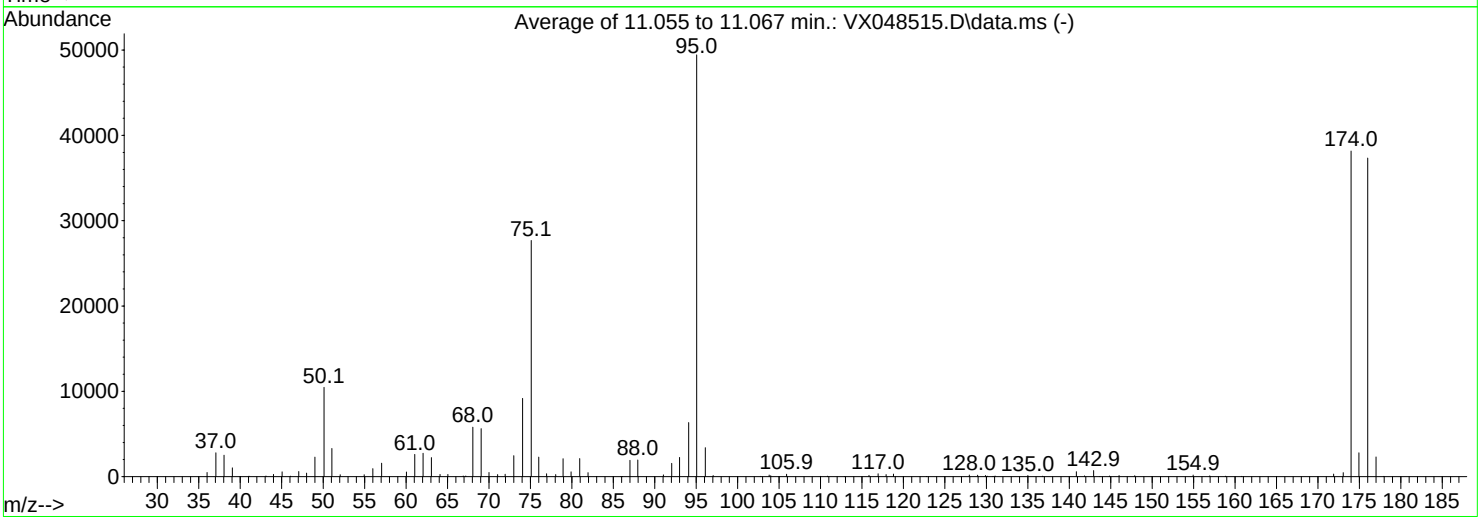
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX110725\
Data File : VX048515.D
Acq On : 07 Nov 2025 13:06
Operator : JC/MD
Sample : BFB
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
BFB

Integration File: RTEINT.P

Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X110725W.M
Title : SW846 8260
Last Update : Sat Nov 08 05:08:11 2025





AutoFind: Scans 1635, 1636, 1637; Background Corrected with Scan 1629

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	21.2	10458	PASS
75	95	30	60	56.0	27675	PASS
95	95	100	100	100.0	49437	PASS
96	95	5	9	6.8	3386	PASS
173	174	0.00	2	1.2	472	PASS
174	95	50	100	77.2	38160	PASS
175	174	5	9	7.3	2798	PASS
176	174	95	101	97.9	37347	PASS
177	176	5	9	6.2	2308	PASS

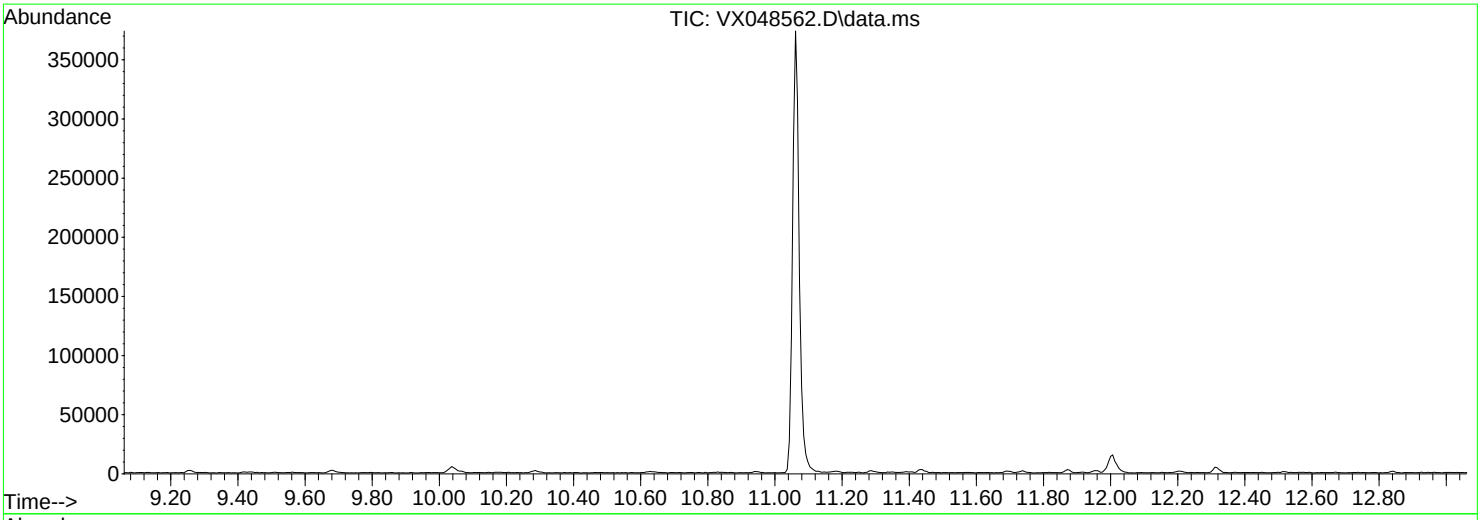
Sample Results: **VX048562.D**

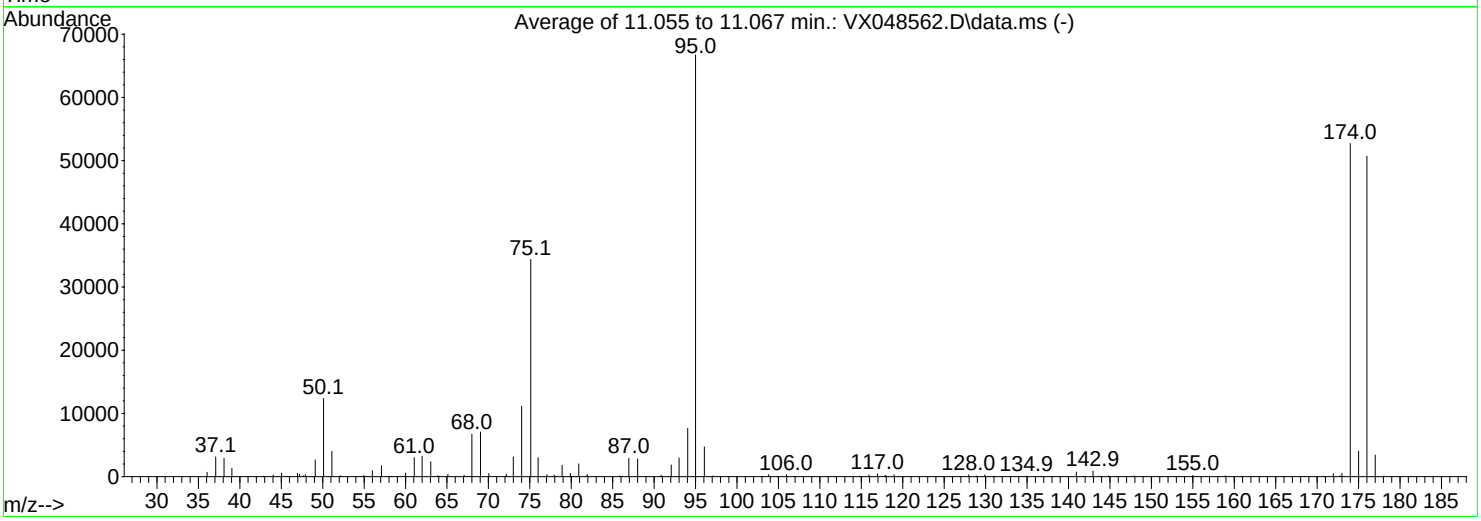
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX111225\
Data File : VX048562.D
Acq On : 12 Nov 2025 08:08
Operator : JC/MD
Sample : BFB
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
BFB

Integration File: RTEINT.P

Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X110725W.M
Title : SW846 8260
Last Update : Sat Nov 08 05:08:11 2025





AutoFind: Scans 1635, 1636, 1637; Background Corrected with Scan 1628

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	18.5	12354	PASS
75	95	30	60	51.5	34373	PASS
95	95	100	100	100.0	66749	PASS
96	95	5	9	7.1	4719	PASS
173	174	0.00	2	1.0	544	PASS
174	95	50	100	79.0	52731	PASS
175	174	5	9	7.6	3999	PASS
176	174	95	101	96.2	50712	PASS
177	176	5	9	6.7	3409	PASS

Raw Data: **VX048565.D**

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

Report of Analysis

Client:	Roman E&G Corp			Date Collected:	
Project:	MCUA - New Brunswick			Date Received:	
Client Sample ID:	VX1112WBL01			SDG No.:	Q3604
Lab Sample ID:	VX1112WBL01			Matrix:	TCLP
Analytical Method:	8260D	Level:	LOW	% Solid:	0
Sample Wt/Vol:	5 mL	Final Vol:	5000 uL	Test:	TCLP VOA

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
75-01-4	Vinyl Chloride	0.26	U	1	0.26	1.00	ug/L	11/12/25 10:00	VX111225
75-35-4	1,1-Dichloroethene	0.23	U	1	0.23	1.00	ug/L	11/12/25 10:00	VX111225
78-93-3	2-Butanone	0.98	U	1	0.98	5.00	ug/L	11/12/25 10:00	VX111225
56-23-5	Carbon Tetrachloride	0.25	U	1	0.25	1.00	ug/L	11/12/25 10:00	VX111225
67-66-3	Chloroform	0.25	U	1	0.25	1.00	ug/L	11/12/25 10:00	VX111225
71-43-2	Benzene	0.15	U	1	0.15	1.00	ug/L	11/12/25 10:00	VX111225
107-06-2	1,2-Dichloroethane	0.22	U	1	0.22	1.00	ug/L	11/12/25 10:00	VX111225
79-01-6	Trichloroethene	0.090	U	1	0.090	1.00	ug/L	11/12/25 10:00	VX111225
127-18-4	Tetrachloroethene	0.23	U	1	0.23	1.00	ug/L	11/12/25 10:00	VX111225
108-90-7	Chlorobenzene	0.12	U	1	0.12	1.00	ug/L	11/12/25 10:00	VX111225
SURROGATES									
17060-07-0	1,2-Dichloroethane-d4	52.7			70 (74) - 130 (125)	105%	SPK: 50		
1868-53-7	Dibromofluoromethane	43.8			70 (75) - 130 (124)	88%	SPK: 50		
2037-26-5	Toluene-d8	49.9			70 (86) - 130 (113)	100%	SPK: 50		
460-00-4	4-Bromofluorobenzene	55.6			70 (77) - 130 (121)	111%	SPK: 50		
INTERNAL STANDARDS		**Area Count**							
363-72-4	Pentafluorobenzene	212000							
540-36-3	1,4-Difluorobenzene	426000							
3114-55-4	Chlorobenzene-d5	439000							
3855-82-1	1,4-Dichlorobenzene-d4	233000							

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\VX111225\
Data File : VX048565.D
Acq On : 12 Nov 2025 10:00
Operator : JC/MD
Sample : VX1112WBL01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX1112WBL01

Quant Time: Nov 14 00:24:01 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X110725W.M
Quant Title : SW846 8260
QLast Update : Sat Nov 08 05:08:11 2025
Response via : Initial Calibration

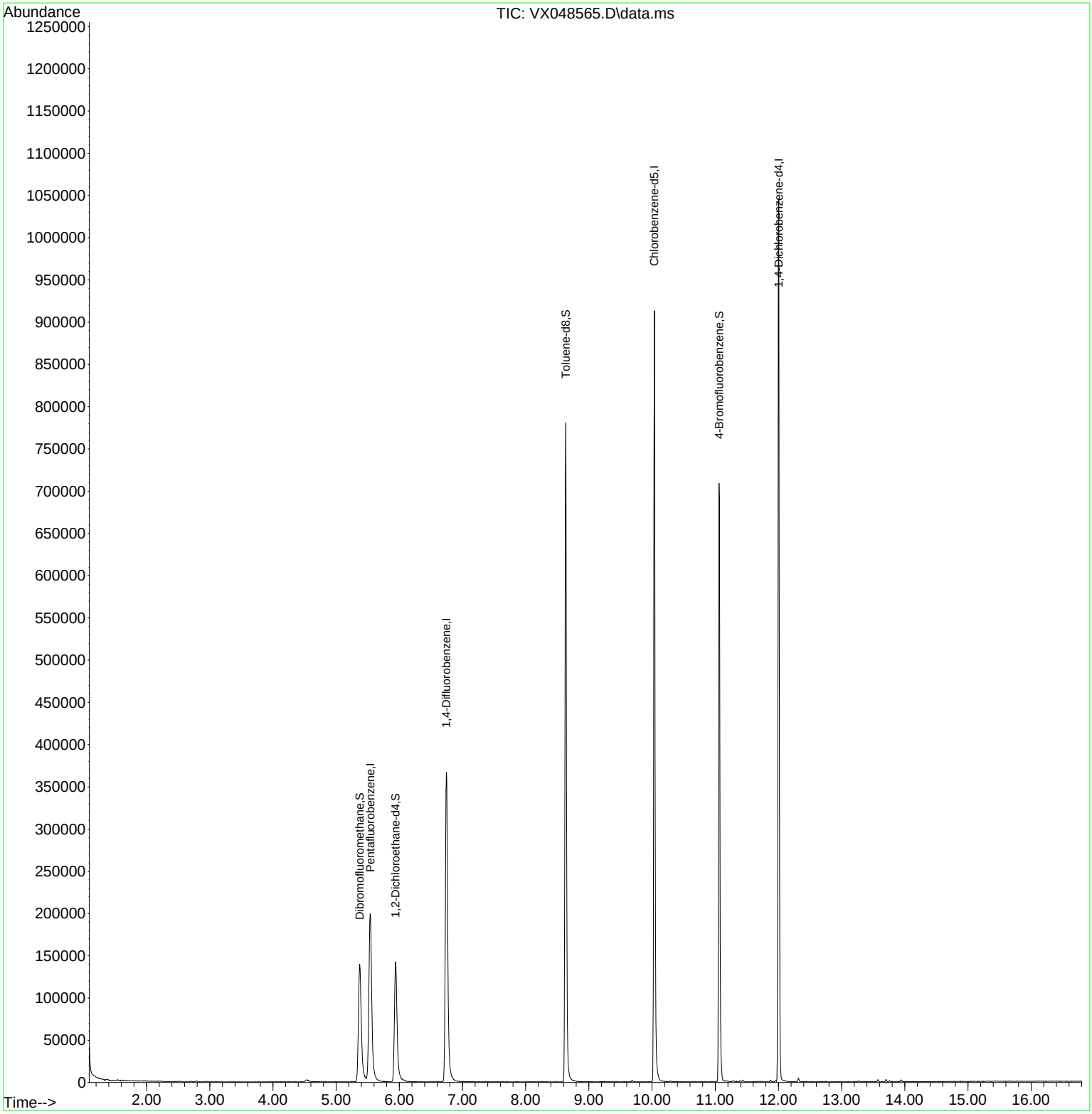
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.544	168	211958	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.745	114	425634	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	439104	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	232670	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.940	65	155679	52.711	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 105.420%			
35) Dibromofluoromethane	5.373	113	141136	43.811	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 87.620%			
50) Toluene-d8	8.635	98	501066	49.871	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 99.740%			
62) 4-Bromofluorobenzene	11.061	95	208089	55.575	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 111.160%			
Target Compounds						Qvalue

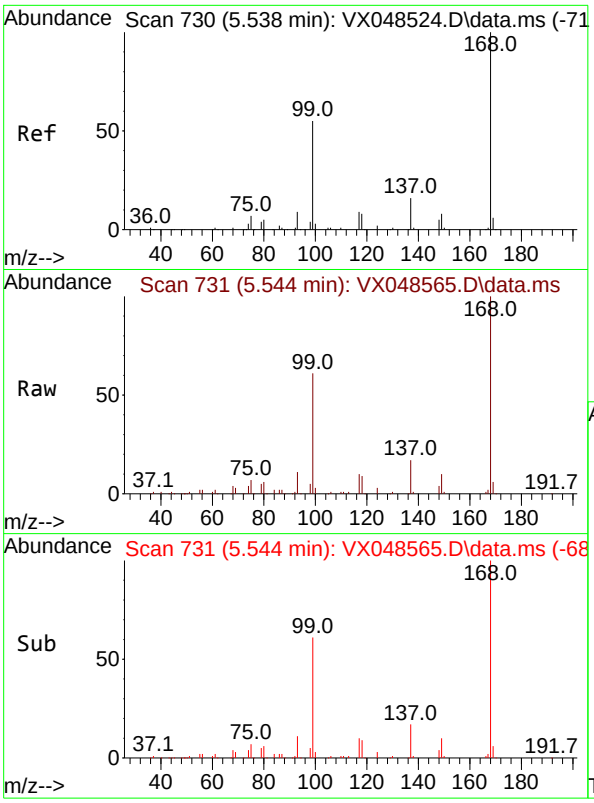
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX111225\
Data File : VX048565.D
Acq On : 12 Nov 2025 10:00
Operator : JC/MD
Sample : VX1112WBL01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX1112WBL01

Quant Time: Nov 14 00:24:01 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X110725W.M
Quant Title : SW846 8260
QLast Update : Sat Nov 08 05:08:11 2025
Response via : Initial Calibration



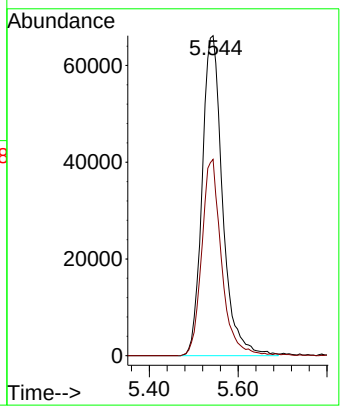


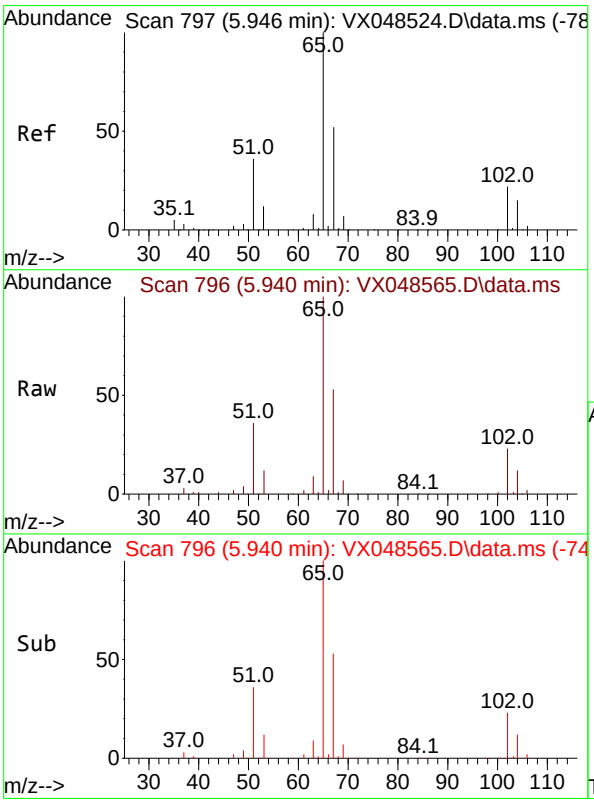
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 7
Delta R.T. 0.006 min
Lab File: VX048565.D
Acq: 12 Nov 2025 10:00

Instrument :
MSVOA_X
ClientSampleId :
VX1112WBL01

Tgt Ion:168 Resp: 211958

Ion	Ratio	Lower	Upper
168	100		
99	61.4	45.2	67.8

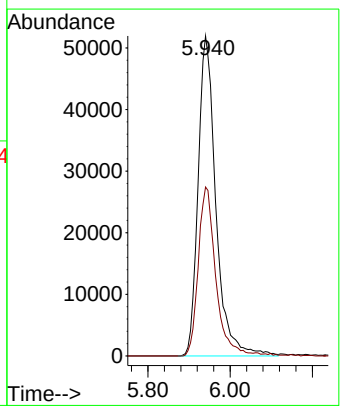


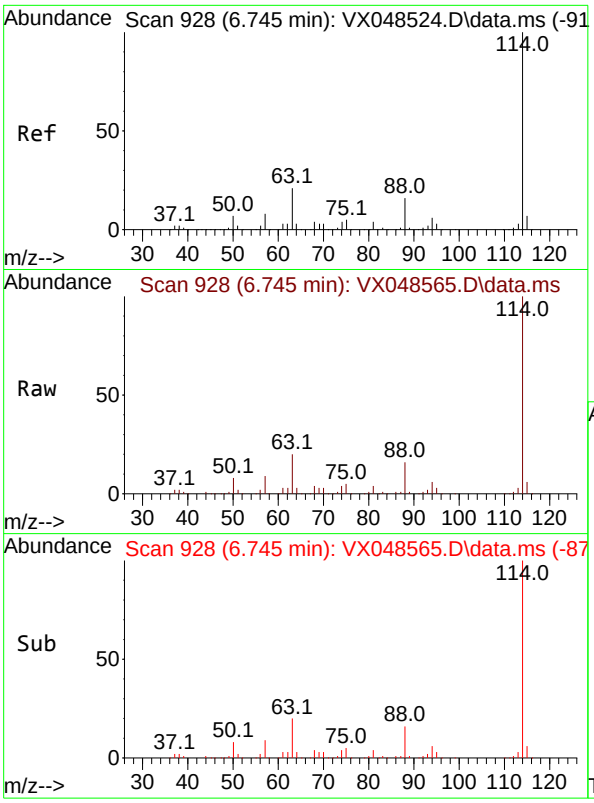


#33
1,2-Dichloroethane-d4
Concen: 52.711 ug/l
RT: 5.940 min Scan# 796
Delta R.T. -0.006 min
Lab File: VX048565.D
Acq: 12 Nov 2025 10:00

Tgt Ion: 65 Resp: 155679

Ion	Ratio	Lower	Upper
65	100		
67	52.2	0.0	106.2



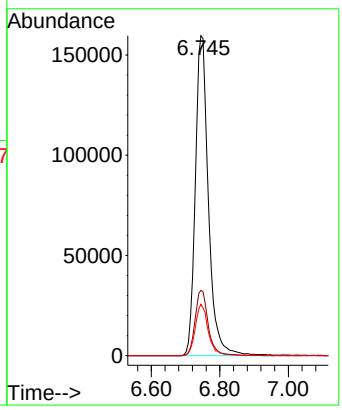


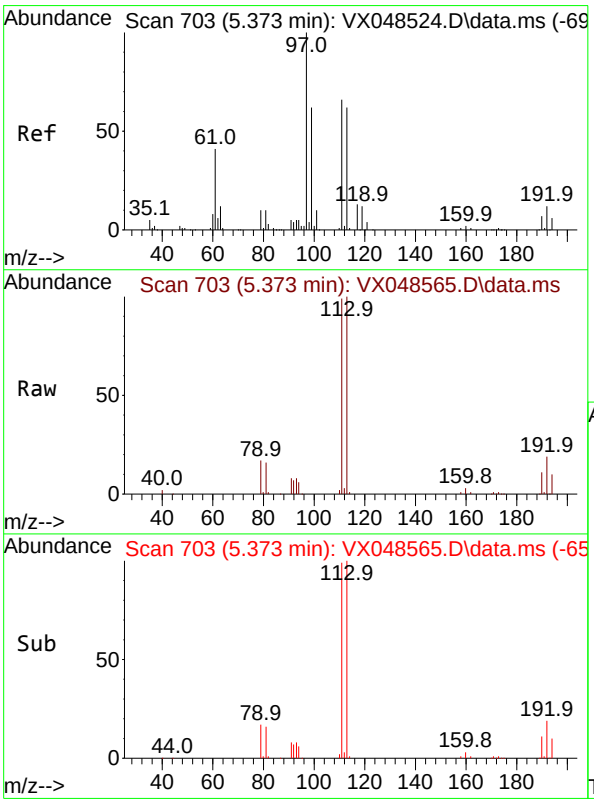
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.745 min Scan# 9
Delta R.T. -0.000 min
Lab File: VX048565.D
Acq: 12 Nov 2025 10:00

Instrument :
MSVOA_X
ClientSampleId :
VX1112WBL01

Tgt Ion:114 Resp: 425634

Ion	Ratio	Lower	Upper
114	100		
63	20.4	0.0	41.2
88	16.1	0.0	32.2

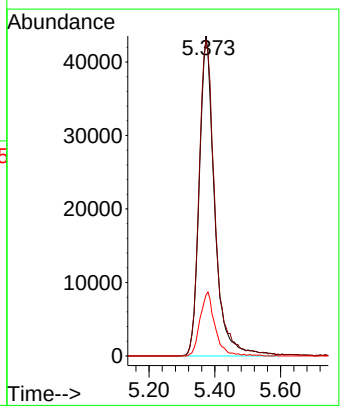


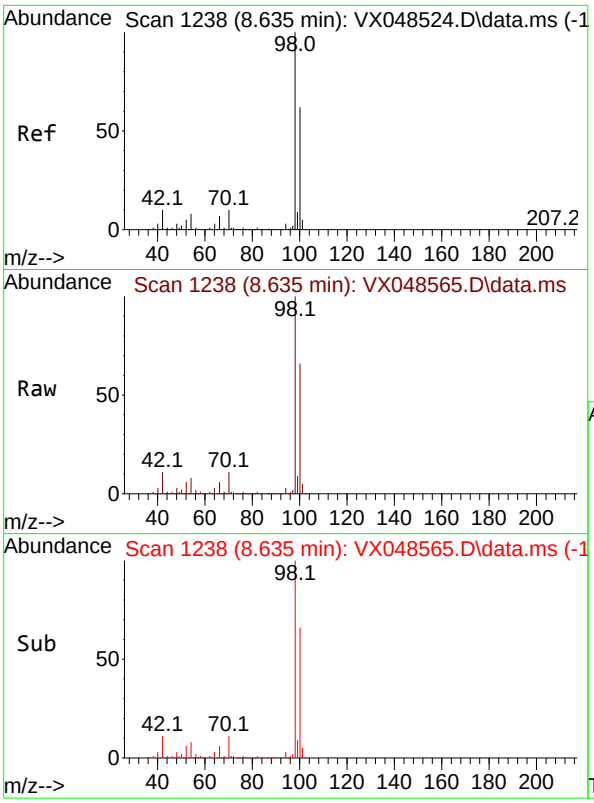


#35
Dibromofluoromethane
Concen: 43.811 ug/l
RT: 5.373 min Scan# 703
Delta R.T. -0.000 min
Lab File: VX048565.D
Acq: 12 Nov 2025 10:00

Tgt Ion:113 Resp: 141136

Ion	Ratio	Lower	Upper
113	100		
111	101.7	81.9	122.9
192	19.3	15.8	23.6



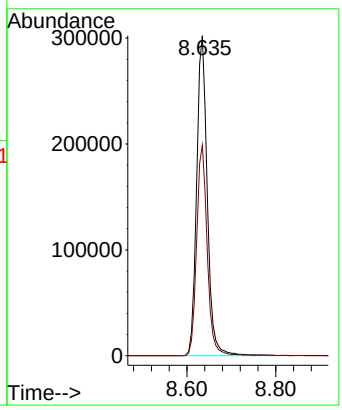


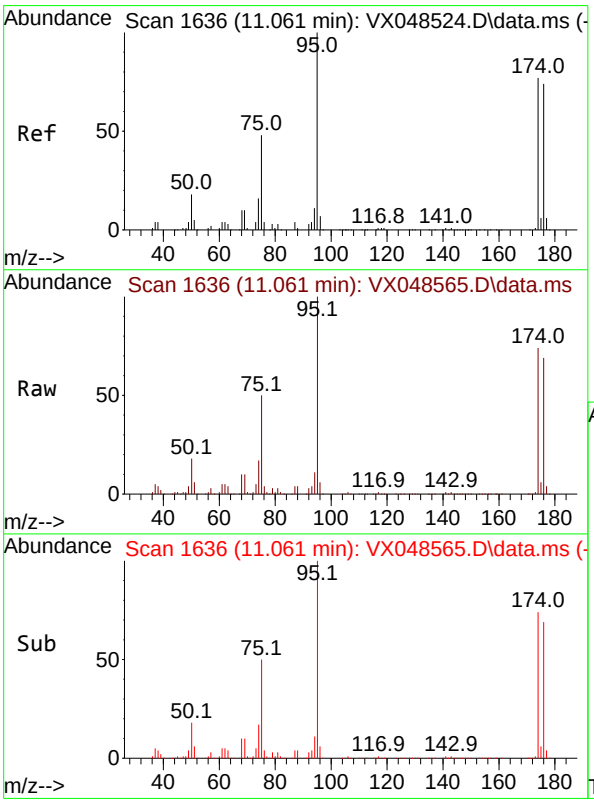
#50
Toluene-d8
Concen: 49.871 ug/l
RT: 8.635 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048565.D
Acq: 12 Nov 2025 10:00

Instrument :
MSVOA_X
ClientSampleId :
VX1112WBL01

Tgt Ion: 98 Resp: 501066

Ion	Ratio	Lower	Upper
98	100		
100	65.7	53.6	80.4

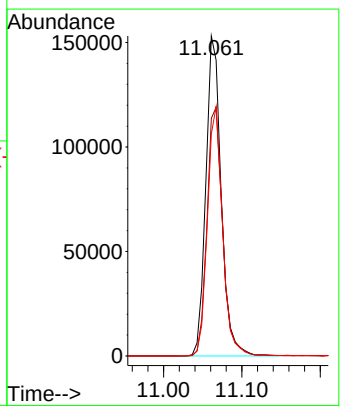


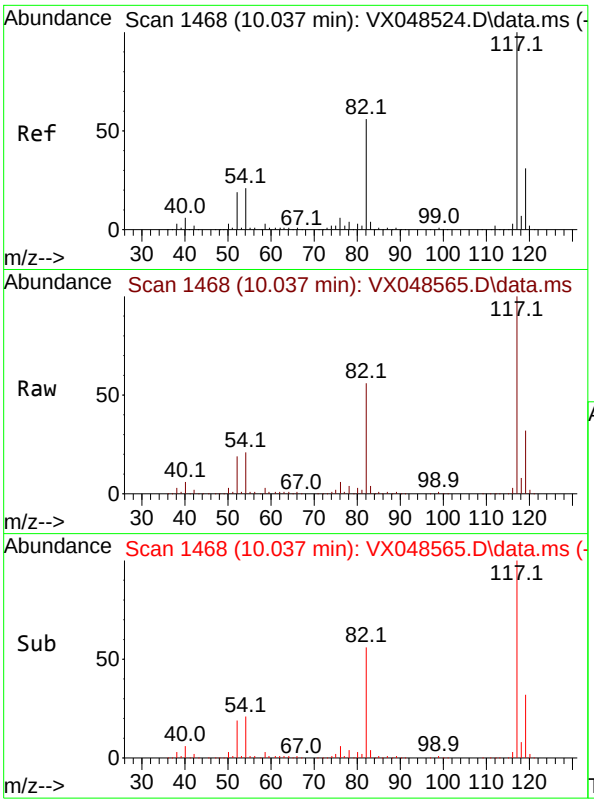


#62
4-Bromofluorobenzene
Concen: 55.575 ug/l
RT: 11.061 min Scan# 1636
Delta R.T. -0.000 min
Lab File: VX048565.D
Acq: 12 Nov 2025 10:00

Tgt Ion: 95 Resp: 208089

Ion	Ratio	Lower	Upper
95	100		
174	79.5	0.0	161.8
176	77.0	0.0	153.6



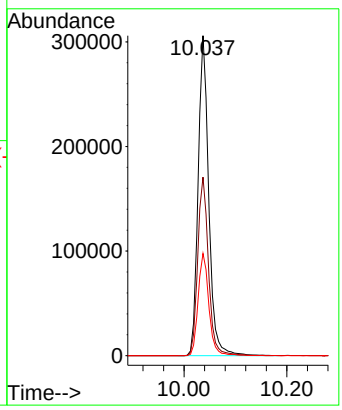


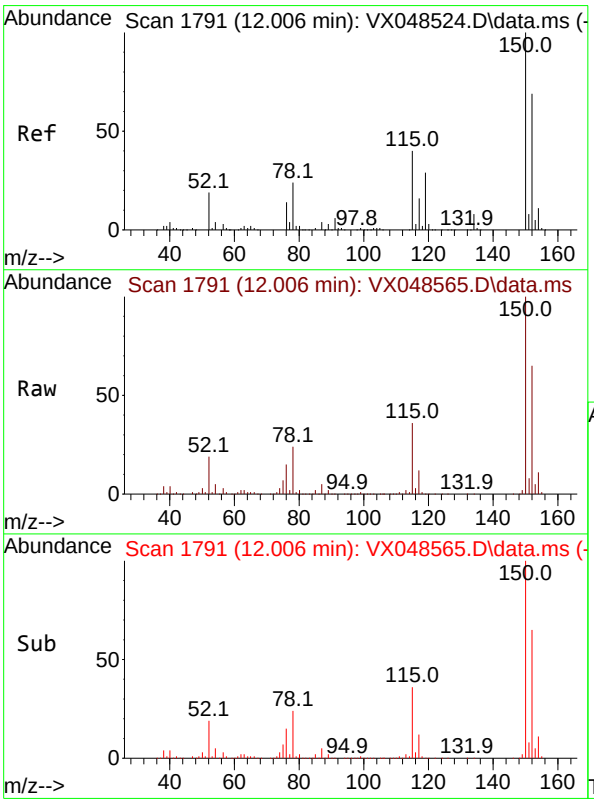
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.037 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX048565.D
Acq: 12 Nov 2025 10:00

Instrument :
MSVOA_X
ClientSampleId :
VX1112WBL01

Tgt Ion:117 Resp: 439104

Ion	Ratio	Lower	Upper
117	100		
82	55.8	44.4	66.6
119	31.9	25.1	37.7

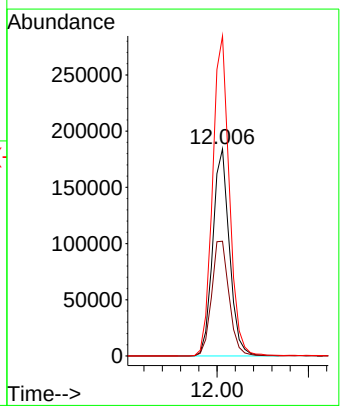




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VX048565.D
Acq: 12 Nov 2025 10:00

Tgt Ion:152 Resp: 232670

Ion	Ratio	Lower	Upper
152	100		
115	58.3	39.2	117.6
150	155.6	0.0	347.0



Raw Data: **VX048566.D**

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

Report of Analysis

Client:	Roman E&G Corp			Date Collected:	
Project:	MCUA - New Brunswick			Date Received:	
Client Sample ID:	VX1112WBS01			SDG No.:	Q3604
Lab Sample ID:	VX1112WBS01			Matrix:	TCLP
Analytical Method:	8260D	Level:	LOW	% Solid:	0
Sample Wt/Vol:	5 mL	Final Vol:	5000 uL	Test:	TCLP VOA

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
75-01-4	Vinyl Chloride	19.3		1	0.26	1.00	ug/L	11/12/25 10:30	VX111225
75-35-4	1,1-Dichloroethene	18.9		1	0.23	1.00	ug/L	11/12/25 10:30	VX111225
78-93-3	2-Butanone	96.3		1	0.98	5.00	ug/L	11/12/25 10:30	VX111225
56-23-5	Carbon Tetrachloride	18.5		1	0.25	1.00	ug/L	11/12/25 10:30	VX111225
67-66-3	Chloroform	19.0		1	0.25	1.00	ug/L	11/12/25 10:30	VX111225
71-43-2	Benzene	18.4		1	0.15	1.00	ug/L	11/12/25 10:30	VX111225
107-06-2	1,2-Dichloroethane	18.8		1	0.22	1.00	ug/L	11/12/25 10:30	VX111225
79-01-6	Trichloroethene	19.7		1	0.090	1.00	ug/L	11/12/25 10:30	VX111225
127-18-4	Tetrachloroethene	19.4		1	0.23	1.00	ug/L	11/12/25 10:30	VX111225
108-90-7	Chlorobenzene	18.7		1	0.12	1.00	ug/L	11/12/25 10:30	VX111225
SURROGATES									
17060-07-0	1,2-Dichloroethane-d4	48.0			70 (74) - 130 (125)	96%	SPK: 50		
1868-53-7	Dibromofluoromethane	47.7			70 (75) - 130 (124)	95%	SPK: 50		
2037-26-5	Toluene-d8	52.2			70 (86) - 130 (113)	104%	SPK: 50		
460-00-4	4-Bromofluorobenzene	49.4			70 (77) - 130 (121)	99%	SPK: 50		
INTERNAL STANDARDS		**Area Count**							
363-72-4	Pentafluorobenzene	192000							
540-36-3	1,4-Difluorobenzene	311000							
3114-55-4	Chlorobenzene-d5	276000							
3855-82-1	1,4-Dichlorobenzene-d4	137000							

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

Raw Data: **VX048567.D**

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

Report of Analysis

Client:	Roman E&G Corp			Date Collected:	
Project:	MCUA - New Brunswick			Date Received:	
Client Sample ID:	VX1112WBSD01			SDG No.:	Q3604
Lab Sample ID:	VX1112WBSD01			Matrix:	TCLP
Analytical Method:	8260D	Level:	LOW	% Solid:	0
Sample Wt/Vol:	5 mL	Final Vol:	5000 uL	Test:	TCLP VOA

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
75-01-4	Vinyl Chloride	20.0		1	0.26	1.00	ug/L	11/12/25 10:57	VX111225
75-35-4	1,1-Dichloroethene	19.8		1	0.23	1.00	ug/L	11/12/25 10:57	VX111225
78-93-3	2-Butanone	110		1	0.98	5.00	ug/L	11/12/25 10:57	VX111225
56-23-5	Carbon Tetrachloride	18.4		1	0.25	1.00	ug/L	11/12/25 10:57	VX111225
67-66-3	Chloroform	20.7		1	0.25	1.00	ug/L	11/12/25 10:57	VX111225
71-43-2	Benzene	18.7		1	0.15	1.00	ug/L	11/12/25 10:57	VX111225
107-06-2	1,2-Dichloroethane	20.2		1	0.22	1.00	ug/L	11/12/25 10:57	VX111225
79-01-6	Trichloroethene	20.2		1	0.090	1.00	ug/L	11/12/25 10:57	VX111225
127-18-4	Tetrachloroethene	19.6		1	0.23	1.00	ug/L	11/12/25 10:57	VX111225
108-90-7	Chlorobenzene	19.6		1	0.12	1.00	ug/L	11/12/25 10:57	VX111225
SURROGATES									
17060-07-0	1,2-Dichloroethane-d4	51.2			70 (74) - 130 (125)	102%	SPK: 50		
1868-53-7	Dibromofluoromethane	46.6			70 (75) - 130 (124)	93%	SPK: 50		
2037-26-5	Toluene-d8	51.7			70 (86) - 130 (113)	103%	SPK: 50		
460-00-4	4-Bromofluorobenzene	50.9			70 (77) - 130 (121)	102%	SPK: 50		
INTERNAL STANDARDS		**Area Count**							
363-72-4	Pentafluorobenzene	162000							
540-36-3	1,4-Difluorobenzene	273000							
3114-55-4	Chlorobenzene-d5	245000							
3855-82-1	1,4-Dichlorobenzene-d4	126000							

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\VX111225\
Data File : VX048567.D
Acq On : 12 Nov 2025 10:57
Operator : JC/MD
Sample : VX1112WBSD01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX1112WBSD01

Quant Time: Nov 14 00:25:08 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X110725W.M
Quant Title : SW846 8260
QLast Update : Sat Nov 08 05:08:11 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.531	168	161754	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.738	114	273225	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	245374	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	125743	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.934	65	115289	51.151	ug/l	-0.01
Spiked Amount 50.000	Range 78 - 117		Recovery = 102.300%			
35) Dibromofluoromethane	5.373	113	96332	46.584	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 93.160%			
50) Toluene-d8	8.628	98	333291	51.677	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 103.360%			
62) 4-Bromofluorobenzene	11.061	95	122258	50.866	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 101.740%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.172	85	28481	21.730	ug/l	99
3) Chloromethane	1.300	50	33513	19.278	ug/l	99
4) Vinyl Chloride	1.380	62	39267	19.950	ug/l	97
5) Bromomethane	1.617	94	29548	23.774	ug/l	94
6) Chloroethane	1.697	64	25102	19.474	ug/l	97
7) Trichlorofluoromethane	1.892	101	63145	20.278	ug/l	96
8) Diethyl Ether	2.130	74	25698	20.559	ug/l	94
9) 1,1,2-Trichlorotrifluo...	2.331	101	36781	20.403	ug/l	97
10) Methyl Iodide	2.453	142	53595	20.089	ug/l	99
11) Tert butyl alcohol	2.928	59	41693	97.621	ug/l	99
12) 1,1-Dichloroethene	2.325	96	37366	19.844	ug/l	96
13) Acrolein	2.233	56	10972	177.557	ug/l	96
14) Allyl chloride	2.666	41	69074	19.703	ug/l	98
15) Acrylonitrile	3.050	53	139231	111.673	ug/l	99
16) Acetone	2.367	43	109087	102.247	ug/l	100
17) Carbon Disulfide	2.514	76	99703	18.816	ug/l	99
18) Methyl Acetate	2.697	43	60064	20.486	ug/l	99
19) Methyl tert-butyl Ether	3.099	73	140357	21.108	ug/l	98
20) Methylene Chloride	2.788	84	43880	20.005	ug/l	96
21) trans-1,2-Dichloroethene	3.093	96	39707	19.896	ug/l	96
22) Diisopropyl ether	3.739	45	142833	21.217	ug/l #	78
23) Vinyl Acetate	3.709	43	616029	104.485	ug/l	98
24) 1,1-Dichloroethane	3.605	63	75659	20.483	ug/l	98
25) 2-Butanone	4.532	43	178149	112.874	ug/l	96
26) 2,2-Dichloropropane	4.458	77	62348	19.799	ug/l	97
27) cis-1,2-Dichloroethene	4.471	96	48418	19.848	ug/l	100
28) Bromochloromethane	4.879	49	34984	19.279	ug/l	98
29) Tetrahydrofuran	4.977	42	122999	109.267	ug/l	99
30) Chloroform	5.074	83	78760	20.654	ug/l	97
31) Cyclohexane	5.452	56	63122	20.856	ug/l	95
32) 1,1,1-Trichloroethane	5.367	97	66047	19.846	ug/l	97
36) 1,1-Dichloropropene	5.678	75	49658	17.933	ug/l	99
37) Ethyl Acetate	4.696	43	78669	20.183	ug/l	98
38) Carbon Tetrachloride	5.659	117	58070	18.422	ug/l	98
39) Methylcyclohexane	7.360	83	61735	19.856	ug/l	97
40) Benzene	6.019	78	160737	18.726	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX111225\
Data File : VX048567.D
Acq On : 12 Nov 2025 10:57
Operator : JC/MD
Sample : VX1112WBSD01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX1112WBSD01

Quant Time: Nov 14 00:25:08 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X110725W.M
Quant Title : SW846 8260
QLast Update : Sat Nov 08 05:08:11 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	4.897	41	35471	20.693	ug/l		98
42) 1,2-Dichloroethane	6.068	62	59324	20.172	ug/l		99
43) Isopropyl Acetate	6.318	43	108613	19.823	ug/l		99
44) Trichloroethene	7.104	130	41479	20.217	ug/l		99
45) 1,2-Dichloropropane	7.409	63	41306	20.929	ug/l		100
46) Dibromomethane	7.561	93	31279	21.729	ug/l		97
47) Bromodichloromethane	7.805	83	62650	21.816	ug/l		98
48) Methyl methacrylate	7.677	41	52814	21.683	ug/l		98
49) 1,4-Dioxane	7.635	88	14093	379.724	ug/l	#	91
51) 4-Methyl-2-Pentanone	8.555	43	371649	119.160	ug/l		96
52) Toluene	8.702	92	101317	22.420	ug/l		100
53) t-1,3-Dichloropropene	8.958	75	62027	20.962	ug/l		95
54) cis-1,3-Dichloropropene	8.348	75	68189	22.255	ug/l		99
55) 1,1,2-Trichloroethane	9.134	97	42060	23.295	ug/l		95
56) Ethyl methacrylate	9.098	69	68663	22.858	ug/l		97
57) 1,3-Dichloropropane	9.287	76	72465	23.059	ug/l		99
58) 2-Chloroethyl Vinyl ether	8.226	63	177325	109.800	ug/l		99
59) 2-Hexanone	9.409	43	275920	118.929	ug/l		99
60) Dibromochloromethane	9.500	129	51037	23.023	ug/l		100
61) 1,2-Dibromoethane	9.592	107	45001	23.012	ug/l		99
64) Tetrachloroethene	9.256	164	34893	19.578	ug/l		99
65) Chlorobenzene	10.061	112	114072	19.586	ug/l		97
66) 1,1,1,2-Tetrachloroethane	10.146	131	39611	20.298	ug/l		99
67) Ethyl Benzene	10.177	91	189694	19.396	ug/l		99
68) m/p-Xylenes	10.281	106	148400	40.290	ug/l		99
69) o-Xylene	10.622	106	71031	19.710	ug/l		99
70) Styrene	10.634	104	120660	19.959	ug/l		99
71) Bromoform	10.780	173	35430	19.680	ug/l	#	99
73) Isopropylbenzene	10.945	105	182685	20.015	ug/l		99
74) N-amyl acetate	10.823	43	90085	19.657	ug/l		99
75) 1,1,2,2-Tetrachloroethane	11.195	83	65077	20.218	ug/l		99
76) 1,2,3-Trichloropropane	11.219	75	61362m	20.256	ug/l		
77) Bromobenzene	11.177	156	46387	19.682	ug/l		98
78) n-propylbenzene	11.286	91	214349	19.972	ug/l		100
79) 2-Chlorotoluene	11.347	91	127968	19.733	ug/l		98
80) 1,3,5-Trimethylbenzene	11.433	105	148185	19.916	ug/l		97
81) trans-1,4-Dichloro-2-b...	11.000	75	19978	18.863	ug/l		92
82) 4-Chlorotoluene	11.433	91	150572	19.794	ug/l		99
83) tert-Butylbenzene	11.695	119	153643	19.964	ug/l		99
84) 1,2,4-Trimethylbenzene	11.731	105	148907	19.835	ug/l		97
85) sec-Butylbenzene	11.872	105	185240	19.475	ug/l		100
86) p-Isopropyltoluene	11.988	119	158690	19.844	ug/l		99
87) 1,3-Dichlorobenzene	11.951	146	85532	19.363	ug/l		99
88) 1,4-Dichlorobenzene	12.024	146	87000	19.068	ug/l		98
89) n-Butylbenzene	12.311	91	143439	19.121	ug/l		100
90) Hexachloroethane	12.518	117	28697	18.835	ug/l		99
91) 1,2-Dichlorobenzene	12.317	146	82449	19.443	ug/l		98
92) 1,2-Dibromo-3-Chloropr...	12.920	75	15077	20.157	ug/l		97
93) 1,2,4-Trichlorobenzene	13.567	180	52917	18.779	ug/l		99
94) Hexachlorobutadiene	13.707	225	21870	18.566	ug/l		97
95) Naphthalene	13.756	128	177779	19.623	ug/l		99
96) 1,2,3-Trichlorobenzene	13.938	180	49441	18.863	ug/l		98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX111225\
Data File : VX048567.D
Acq On : 12 Nov 2025 10:57
Operator : JC/MD
Sample : VX1112WBSD01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX1112WBSD01

Quant Time: Nov 14 00:25:08 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X110725W.M
Quant Title : SW846 8260
QLast Update : Sat Nov 08 05:08:11 2025
Response via : Initial Calibration

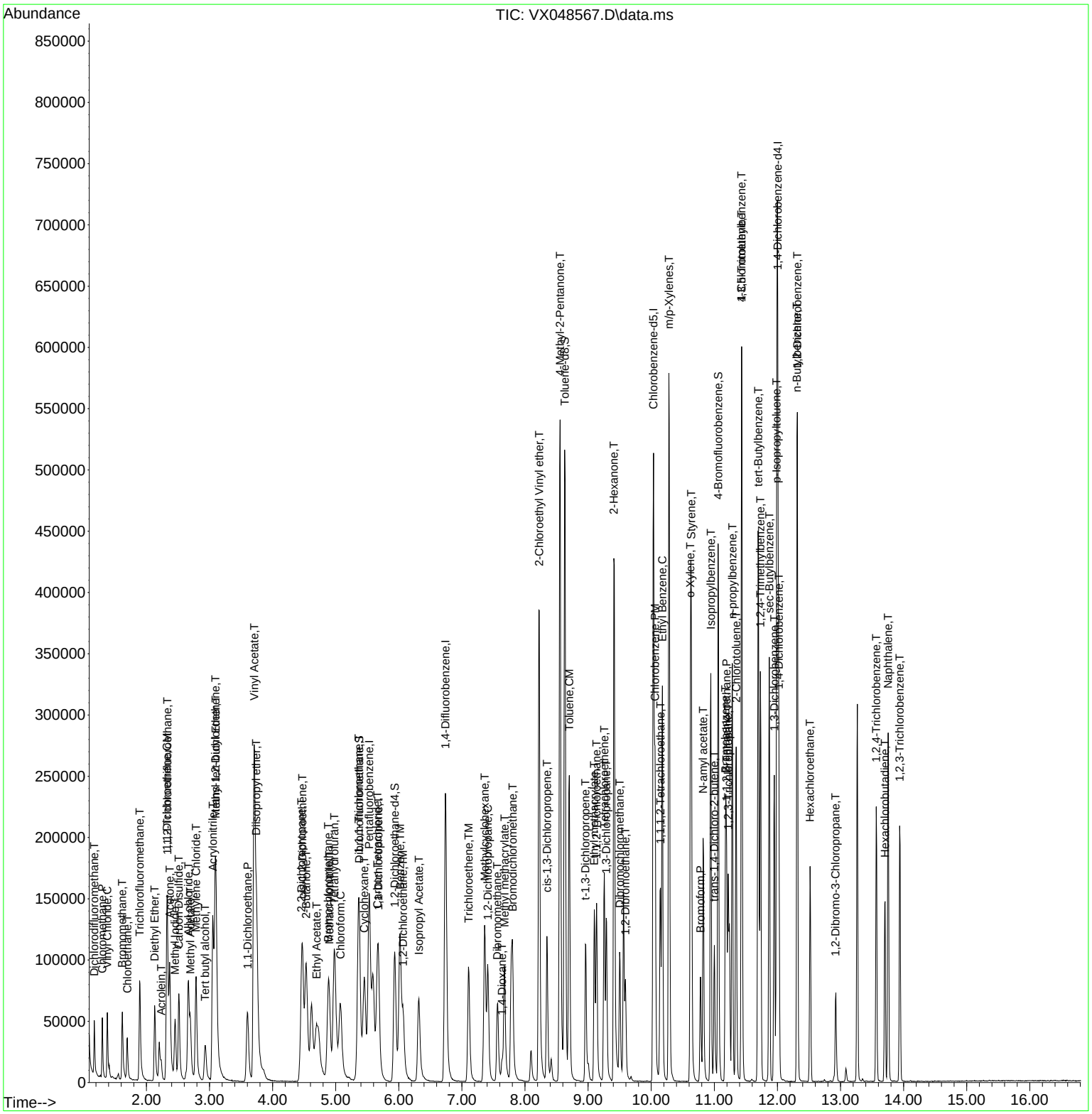
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX111225\
Data File : VX048567.D
Acq On : 12 Nov 2025 10:57
Operator : JC/MD
Sample : VX1112WBSD01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX1112WBSD01

Quant Time: Nov 14 00:25:08 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X110725W.M
Quant Title : SW846 8260
QLast Update : Sat Nov 08 05:08:11 2025
Response via : Initial Calibration



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

Manual Integration Report

Sequence:	VX110725	Instrument	MSVOA_x

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDICC001	VX048516.D	1,2,3-Trichloropropane	JOHN	11/10/2025 8:27:19 AM	sam	11/10/2025 10:11:26 AM	Peak Integrated by Software
VSTDICC001	VX048516.D	1,4-Dichlorobenzene	JOHN	11/10/2025 8:27:19 AM	sam	11/10/2025 10:11:26 AM	Peak Integrated by Software
VSTDICC001	VX048516.D	2-Chloroethyl Vinyl ether	JOHN	11/10/2025 8:27:19 AM	sam	11/10/2025 10:11:26 AM	Peak Integrated by Software
VSTDICC005	VX048517.D	1,2,3-Trichloropropane	JOHN	11/10/2025 8:27:24 AM	sam	11/10/2025 10:11:30 AM	Peak Integrated by Software
VSTDICC005	VX048517.D	2-Chloroethyl Vinyl ether	JOHN	11/10/2025 8:27:24 AM	sam	11/10/2025 10:11:30 AM	Peak Integrated by Software
VSTDICC020	VX048518.D	1,2,3-Trichloropropane	JOHN	11/10/2025 8:27:29 AM	sam	11/10/2025 10:11:35 AM	Peak Integrated by Software
VSTDICC020	VX048518.D	2-Chloroethyl Vinyl ether	JOHN	11/10/2025 8:27:29 AM	sam	11/10/2025 10:11:35 AM	Peak Integrated by Software
VSTDICC020	VX048518.D	Acrolein	JOHN	11/10/2025 8:27:29 AM	sam	11/10/2025 10:11:35 AM	Peak Integrated by Software
VSTDICC100	VX048520.D	1,2,3-Trichloropropane	JOHN	11/10/2025 8:27:38 AM	sam	11/10/2025 10:12:15 AM	Peak Integrated by Software
VSTDICC100	VX048520.D	Bromomethane	JOHN	11/10/2025 8:27:38 AM	sam	11/10/2025 10:12:15 AM	Peak Integrated by Software
VSTDICC150	VX048521.D	1,2,3-Trichloropropane	JOHN	11/10/2025 8:27:44 AM	sam	11/10/2025 10:11:39 AM	Peak Integrated by Software
VSTDICCC050	VX048524.D	1,2,3-Trichloropropane	JOHN	11/10/2025 8:27:53 AM	sam	11/10/2025 10:12:22 AM	Peak Integrated by Software
VSTDICV050	VX048525.D	1,2,3-Trichloropropane	JOHN	11/10/2025 8:27:58 AM	sam	11/10/2025 10:11:48 AM	Peak Integrated by Software

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

Manual Integration Report

Sequence:	VX110725	Instrument	MSVOA_x

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

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

Manual Integration Report

Sequence:	VX111225	Instrument	MSVOA_x

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDCCC050	VX048563.D	1,2,3-Trichloropropane	JOHN	11/14/2025 8:05:19 AM			Peak Integrated by Software
VX1112WBS01	VX048566.D	1,2,3-Trichloropropane	JOHN	11/14/2025 8:05:24 AM			Peak Integrated by Software
VX1112WBSD01	VX048567.D	1,2,3-Trichloropropane	JOHN	11/14/2025 8:05:28 AM			Peak Integrated by Software
VSTDCCC050	VX048584.D	1,2,3-Trichloropropane	JOHN	11/14/2025 8:06:06 AM			Peak Integrated by Software

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

Instrument ID: MSVOA_X

Daily Analysis Runlog For Sequence/QCBatch ID # VX110725

Review By	John Carlone	Review On	11/10/2025 8:28:24 AM	
Supervise By	Amit Patel	Supervise On	11/10/2025 9:54:56 AM	
SubDirectory	VX110725	HP Acquire Method		HP Processing Method

STD. NAME	STD REF.#
Tune/Reschk	VP136104
Initial Calibration Stds	VP136097,VP136098,VP135099,VP136100,VP136101,VP135102
CCC	
Internal Standard/PEM	
ICV/I.BLK	VP136103
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VX048515.D	07 Nov 2025 13:06	JC/MD	Ok
2	VSTDICC001	VX048516.D	07 Nov 2025 13:35	JC/MD	Ok,M
3	VSTDICC005	VX048517.D	07 Nov 2025 13:56	JC/MD	Ok,M
4	VSTDICC020	VX048518.D	07 Nov 2025 14:16	JC/MD	Ok,M
5	VSTDICCC050	VX048519.D	07 Nov 2025 14:37	JC/MD	Not Ok
6	VSTDICC100	VX048520.D	07 Nov 2025 14:58	JC/MD	Ok,M
7	VSTDICC150	VX048521.D	07 Nov 2025 15:18	JC/MD	Ok,M
8	VIBLK	VX048522.D	07 Nov 2025 15:39	JC/MD	Ok
9	VSTDICC005	VX048523.D	07 Nov 2025 16:08	JC/MD	Not Ok
10	VSTDICCC050	VX048524.D	07 Nov 2025 16:29	JC/MD	Ok,M
11	VSTDICV050	VX048525.D	07 Nov 2025 16:50	JC/MD	Ok,M

M : Manual Integration

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

Instrument ID: MSVOA_X

Daily Analysis Runlog For Sequence/QCBatch ID # VX111225

Review By	John Carlone	Review On	11/13/2025 12:22:38 PM		
Supervise By	Mahesh Dadoda	Supervise On	11/13/2025 3:24:03 PM		
SubDirectory	VX111225	HP Acquire Method		HP Processing Method	82X110725W.M

STD. NAME	STD REF.#
Tune/Reschk	VP136166
Initial Calibration Stds	
CCC	VP136167,VP136168
Internal Standard/PEM	
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VX048562.D	12 Nov 2025 08:08	JC/MD	Ok
2	VSTDCCC050	VX048563.D	12 Nov 2025 09:11	JC/MD	Ok,NS
3	VX1112MBL01	VX048564.D	12 Nov 2025 09:40	JC/MD	Ok
4	VX1112WBL01	VX048565.D	12 Nov 2025 10:00	JC/MD	Ok
5	VX1112WBS01	VX048566.D	12 Nov 2025 10:30	JC/MD	Ok,NS
6	VX1112WBSD01	VX048567.D	12 Nov 2025 10:57	JC/MD	Ok,NS
7	Q3603-01	VX048568.D	12 Nov 2025 11:18	JC/MD	Ok
8	Q3603-02	VX048569.D	12 Nov 2025 11:38	JC/MD	Ok
9	Q3574-01	VX048570.D	12 Nov 2025 11:59	JC/MD	ReRun
10	PB170494TB	VX048571.D	12 Nov 2025 12:19	JC/MD	Ok
11	Q3604-01	VX048572.D	12 Nov 2025 12:40	JC/MD	Ok
12	Q3604-02	VX048573.D	12 Nov 2025 13:00	JC/MD	Ok
13	Q3549-05	VX048574.D	12 Nov 2025 13:21	JC/MD	Ok
14	IBLK	VX048575.D	12 Nov 2025 13:41	JC/MD	Ok
15	Q3574-01	VX048576.D	12 Nov 2025 14:02	JC/MD	Ok,NS
16	IBLK	VX048577.D	12 Nov 2025 14:44	JC/MD	Not Ok
17	Q2893-07 0.2PPB	VX048578.D	12 Nov 2025 15:05	JC/MD	Ok,NS
18	Q2893-07 0.5PPB	VX048579.D	12 Nov 2025 15:33	JC/MD	Ok,NS
19	Q2893-07 0.75PPB	VX048580.D	12 Nov 2025 15:54	JC/MD	Ok,NS
20	Q2893-07 2.5PPB	VX048581.D	12 Nov 2025 16:15	JC/MD	Ok,NS
21	Q2893-08 1.0PPB	VX048582.D	12 Nov 2025 16:35	JC/MD	Ok,NS

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

Instrument ID: MSVOA_X

Daily Analysis Runlog For Sequence/QCBatch ID # VX111225

Review By	John Carlone	Review On	11/13/2025 12:22:38 PM		
Supervise By	Mahesh Dadoda	Supervise On	11/13/2025 3:24:03 PM		
SubDirectory	VX111225	HP Acquire Method		HP Processing Method	82X110725W.M

STD. NAME	STD REF.#
Tune/Reschk	VP136166
Initial Calibration Stds	
CCC	VP136167,VP136168
Internal Standard/PEM	
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

22	Q2893-08 5.0PPB	VX048583.D	12 Nov 2025 16:56	JC/MD	Ok
23	VSTDCCC050	VX048584.D	12 Nov 2025 17:17	JC/MD	Ok,NS

M : Manual Integration

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

Instrument ID: MSVOA_X

Daily Analysis Runlog For Sequence/QCBatch ID # VX110725

Review By	John Carlone	Review On	11/10/2025 8:28:24 AM
Supervise By	Amit Patel	Supervise On	11/10/2025 9:54:56 AM
SubDirectory	VX110725	HP Acquire Method	HP Processing Method

STD. NAME	STD REF.#
Tune/Reschk	VP136104
Initial Calibration Stds	VP136097,VP136098,VP135099,VP136100,VP136101,VP135102
CCC	
Internal Standard/PEM	
ICV/I.BLK	VP136103
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	BFB	BFB	VX048515.D	07 Nov 2025 13:06		JC/MD	Ok
2	VSTDICC001	VSTDICC001	VX048516.D	07 Nov 2025 13:35		JC/MD	Ok,M
3	VSTDICC005	VSTDICC005	VX048517.D	07 Nov 2025 13:56		JC/MD	Ok,M
4	VSTDICC020	VSTDICC020	VX048518.D	07 Nov 2025 14:16		JC/MD	Ok,M
5	VSTDICCC050	VSTDICCC050	VX048519.D	07 Nov 2025 14:37	spiked low	JC/MD	Not Ok
6	VSTDICC100	VSTDICC100	VX048520.D	07 Nov 2025 14:58		JC/MD	Ok,M
7	VSTDICC150	VSTDICC150	VX048521.D	07 Nov 2025 15:18		JC/MD	Ok,M
8	VIBLK	VIBLK	VX048522.D	07 Nov 2025 15:39		JC/MD	Ok
9	VSTDICC005	VSTDICC005	VX048523.D	07 Nov 2025 16:08	spike error	JC/MD	Not Ok
10	VSTDICCC050	VSTDICCC050	VX048524.D	07 Nov 2025 16:29		JC/MD	Ok,M
11	VSTDICV050	ICVVX110725	VX048525.D	07 Nov 2025 16:50		JC/MD	Ok,M

M : Manual Integration

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

Instrument ID: MSVOA_X

Daily Analysis Runlog For Sequence/QCBatch ID # VX111225

Review By	John Carlone	Review On	11/13/2025 12:22:38 PM		
Supervise By	Mahesh Dadoda	Supervise On	11/13/2025 3:24:03 PM		
SubDirectory	VX111225	HP Acquire Method		HP Processing Method	82X110725W.M

STD. NAME	STD REF.#
Tune/Reschk	VP136166
Initial Calibration Stds	
CCC	VP136167,VP136168
Internal Standard/PEM	
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	BFB	BFB	VX048562.D	12 Nov 2025 08:08		JC/MD	Ok
2	VSTDCCC050	VSTDCCC050	VX048563.D	12 Nov 2025 09:11	pH#Lot#V12668	JC/MD	Ok,NS
3	VX1112MBL01	VX1112MBL01	VX048564.D	12 Nov 2025 09:40		JC/MD	Ok
4	VX1112WBL01	VX1112WBL01	VX048565.D	12 Nov 2025 10:00		JC/MD	Ok
5	VX1112WBS01	VX1112WBS01	VX048566.D	12 Nov 2025 10:30		JC/MD	Ok,NS
6	VX1112WBSD01	VX1112WBSD01	VX048567.D	12 Nov 2025 10:57		JC/MD	Ok,NS
7	Q3603-01	SHORT-HILLS-DW	VX048568.D	12 Nov 2025 11:18	vial A pH<2	JC/MD	Ok
8	Q3603-02	TB	VX048569.D	12 Nov 2025 11:38	vial A pH<2 TB	JC/MD	Ok
9	Q3574-01	304641-01 Liquid	VX048570.D	12 Nov 2025 11:59	Surrogate fail	JC/MD	ReRun
10	PB170494TB	PB170494TB	VX048571.D	12 Nov 2025 12:19		JC/MD	Ok
11	Q3604-01	S-1	VX048572.D	12 Nov 2025 12:40	vial A pH#5.0	JC/MD	Ok
12	Q3604-02	S-2	VX048573.D	12 Nov 2025 13:00	vial A pH#5.0	JC/MD	Ok
13	Q3549-05	RT4922	VX048574.D	12 Nov 2025 13:21	vial A pH#5.0	JC/MD	Ok
14	IBLK	IBLK	VX048575.D	12 Nov 2025 13:41		JC/MD	Ok
15	Q3574-01	304641-01 Liquid	VX048576.D	12 Nov 2025 14:02	vial A pH<2	JC/MD	Ok,NS
16	IBLK	IBLK	VX048577.D	12 Nov 2025 14:44		JC/MD	Not Ok
17	Q2893-07 0.2PPB	LOD-MDL-WATER-01-(	VX048578.D	12 Nov 2025 15:05		JC/MD	Ok,NS
18	Q2893-07 0.5PPB	LOD-MDL-WATER-01-(	VX048579.D	12 Nov 2025 15:33		JC/MD	Ok,NS

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

Instrument ID: MSVOA_X

Daily Analysis Runlog For Sequence/QCBatch ID # VX111225

Review By	John Carlone	Review On	11/13/2025 12:22:38 PM		
Supervise By	Mahesh Dadoda	Supervise On	11/13/2025 3:24:03 PM		
SubDirectory	VX111225	HP Acquire Method		HP Processing Method	82X110725W.M

STD. NAME	STD REF.#
Tune/Reschk	VP136166
Initial Calibration Stds	
CCC	VP136167,VP136168
Internal Standard/PEM	
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

19	Q2893-07 0.75PPB	LOD-MDL-WATER-01-(	VX048580.D	12 Nov 2025 15:54		JC/MD	Ok,NS
20	Q2893-07 2.5PPB	LOD-MDL-WATER-01-(	VX048581.D	12 Nov 2025 16:15		JC/MD	Ok,NS
21	Q2893-08 1.0PPB	LOQ-WATER-02-QT3-2	VX048582.D	12 Nov 2025 16:35		JC/MD	Ok,NS
22	Q2893-08 5.0PPB	LOQ-WATER-02-QT3-2	VX048583.D	12 Nov 2025 16:56		JC/MD	Ok
23	VSTDCCC050	VSTDCCC050EC	VX048584.D	12 Nov 2025 17:17		JC/MD	Ok,NS

M : Manual Integration

WORKLIST(Hardcopy Internal Chain)

WorkList Name : tclp zhe q3604 **WorkList ID :** 193050 **Department :** TCLP Extraction **Date :** 11-11-2025 13:44:35

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q3549-05	RT4922	Solid	TCLP ZHE Extraction	Cool 4 deg C	PSEG03	D41	11/05/2025	1311 ZHE
Q3604-01	S-1	Solid	TCLP ZHE Extraction	Cool 4 deg C	ROMA02	D41	11/10/2025	1311 ZHE
Q3604-02	S-2	Solid	TCLP ZHE Extraction	Cool 4 deg C	ROMA02	D41	11/10/2025	1311 ZHE

Date/Time 11/11/25 14:00

Raw Sample Received by: JB (WC

Raw Sample Relinquished by: RJ (EKA-labs)

Date/Time 21/11/25 9:30

Raw Sample Received by: RJ (EKA-labs)

Raw Sample Relinquished by: JB (WC)

WORKLIST(Hardcopy Internal Chain)

WorkList Name : tclp zhe q3604 **WorkList ID :** 193050 **Department :** TCLP Extraction **Date :** 11-11-2025 13:44:35

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q3549-05	RT4922	Solid	TCLP ZHE Extraction	Cool 4 deg C	PSEG03	D41	11/05/2025	1311 ZHE
Q3604-01	S-1	Solid	TCLP ZHE Extraction	Cool 4 deg C	ROMA02	D41	11/10/2025	1311 ZHE
Q3604-02	S-2	Solid	TCLP ZHE Extraction	Cool 4 deg C	ROMA02	D41	11/10/2025	1311 ZHE

Date/Time 11/11/25 14:00
Raw Sample Received by: [illegible]
Raw Sample Relinquished by: RJ (EKA-labs)

Date/Time 21/11/25 17:30
Raw Sample Received by: RJ (EKA-labs)
Raw Sample Relinquished by: [illegible]

SHIPPING DOCUMENTS

Alliance TECHNICAL GROUP

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

ALLIANCE PROJECT NO.
QUOTE NO. Q3607
COC Number 2046994

CLIENT INFORMATION

REPORT TO BE SENT TO:
COMPANY: ROMAN E&G
ADDRESS: 14 OGDEN ST
CITY NEWARK STATE: NJ ZIP: 07104
ATTENTION: AMANDA Gentle
PHONE: 973-634-8218 FAX:

CLIENT PROJECT INFORMATION

PROJECT NAME: New Brunswick LSRP
PROJECT NO.: 25-717 LOCATION: New Brunswick
PROJECT MANAGER: AMANDA Gentle
e-mail: Engineer@Romaneg.com
PHONE: 973-634-8218 FAX:

CLIENT BILLING INFORMATION

BILL TO: Roman E&G PO#: 25-717
ADDRESS: 14 OGDEN ST
CITY NEWARK STATE: NJ ZIP: 07104
ATTENTION: Frank Hotaling PHONE: 973-482-1123

DATA TURNAROUND INFORMATION

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

DATA DELIVERABLE INFORMATION

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

ANALYSIS

PRESERVATIVES: 1 2 3 4 5 6 7 8 9

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

ALLIANCE SAMPLE ID	PROJECT SAMPLE IDENTIFICATION	SAMPLE MATRIX	SAMPLE TYPE COMP	SAMPLE TYPE GRAB	SAMPLE COLLECTION DATE	SAMPLE COLLECTION TIME	# OF BOTTLES	1	2	3	4	5	6	7	8	9	COMMENTS
1. S-1	NB LSRP Stockpile	S			11/10	2:40 PM	3										
2. S-2	NB LSRP Stockpile	S			11/10	2:45 PM	3										
3.																	
4.																	
5.																	
6.																	
7.																	
8.																	
9.																	
10.																	

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

RELINQUISHED BY SAMPLER:	DATE/TIME:	RECEIVED BY:
1. Kevin Arnold	11/10/25 2:40	1. 1618 11-10-25
2.	DATE/TIME:	2.
3.	DATE/TIME:	3.

Conditions of bottles or coolers at receipt: ☐ COMPLIANT ☐ NON COMPLIANT ☐ COOLER TEMP 15.7 °C NO ICE
Comments: SAMPLES From Stock Pile @ 19 Home Newark taken AT 5ft Deep / Field SAMPLE As Per SKetch Attached

Page ____ of

CLIENT: ☐ Hand Delivered ☐ Other

Shipment Complete ☐ YES ☐ NO

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

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

Laboratory Certification

Certified By	License No.
Connecticut	PH-0830
DOD ELAP (ANAB)	L2219
Maine	2024021
Maryland	296
New Hampshire	255425
New Jersey	20012
New York	11376
Pennsylvania	68-00548
Soil Permit	525-24-234-08441
Texas	TX-C25-00189
Virginia	460312