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

DATA REPORTING QUALIFIERS- ORGANIC

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

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

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LAB CHRONICLE

OrderID:	Q3349	**OrderDate:**	10/15/2025 9:30:00 AM
Client:	Core Environmental Consultants and Services, Inc.	**Project:**	NYPA PURS Station
Contact:	Roland Scardino	**Location:**	J31

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q3349-01	**PURS Station**	**TCLP**			**10/13/25**			**10/14/25**
			TCLP VOA	8260D			10/17/25	

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Hit Summary Sheet
SW-846

SDG No.: Q3349

Client: Core Environmental Consultants and Services, Inc.

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

0

Total Voc :

Total Concentration:

QC SUMMARY

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Surrogate Summary

SDG No.: Q3349

Client: Core Environmental Consultants and Services, Inc.

Analytical Method: SW8260D

Lab Sample ID	Client ID	Parameter	Spike	Result	Recovery (%)	Qual	Limits (%) Low	Limits (%) High
Q3349-01	PURS Station	1,2-Dichloroethane-d4	50	57.1	114		74	125
		Dibromofluoromethane	50	53.3	107		75	124
		Toluene-d8	50	49.8	100		86	113
		4-Bromofluorobenzene	50	62.8	126	*	77	121

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Surrogate Summary

SDG No.: Q3349

Client: Core Environmental Consultants and Services, Inc.

Analytical Method: SW8260-Low

Lab Sample ID	Client ID	Parameter	Spike	Result	Recovery (%)	Qual	Limits (%) Low	Limits (%) High
VX1017WBL01	VX1017WBL01	1,2-Dichloroethane-d4	50	53.1	106		74	125
		Dibromofluoromethane	50	51.2	102		75	124
		Toluene-d8	50	50.0	100		86	113
		4-Bromofluorobenzene	50	59.1	118		77	121
VX1017WBS01	VX1017WBS01	1,2-Dichloroethane-d4	50	43.7	87		74	125
		Dibromofluoromethane	50	51.2	102		75	124
		Toluene-d8	50	48.1	96		86	113
		4-Bromofluorobenzene	50	47.9	96		77	121
VX1017WBSD0	VX1017WBSD01	1,2-Dichloroethane-d4	50	45.5	91		74	125
		Dibromofluoromethane	50	50.6	101		75	124
		Toluene-d8	50	47.7	95		86	113
		4-Bromofluorobenzene	50	48.3	97		77	121

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q3349 **Analytical Method:** SW8260-Low

Client: Core Environmental Consultants and **Datafile :** VX048209.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VX1017WBS01	Vinyl chloride	20	18.7	ug/L	94			65	117	
	1,1-Dichloroethene	20	19.1	ug/L	96			74	110	
	2-Butanone	100	95.3	ug/L	95			65	122	
	Carbon Tetrachloride	20	19.9	ug/L	100			77	113	
	Chloroform	20	18.2	ug/L	91			79	113	
	Benzene	20	19.5	ug/L	98			82	109	
	1,2-Dichloroethane	20	19.9	ug/L	100			80	115	
	Trichloroethene	20	19.5	ug/L	98			77	113	
	Tetrachloroethene	20	18.9	ug/L	95			67	123	
	Chlorobenzene	20	19.3	ug/L	97			82	109	

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q3349 **Analytical Method:** SW8260-Low

Client: Core Environmental Consultants and S **Datafile :** VX048210.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VX1017WBSD01	Vinyl chloride	20	18.5	ug/L	93	1		65	117	19
	1,1-Dichloroethene	20	18.5	ug/L	93	3		74	110	20
	2-Butanone	100	96.7	ug/L	97	2		65	122	26
	Carbon Tetrachloride	20	19.7	ug/L	99	1		77	113	15
	Chloroform	20	18.5	ug/L	93	2		79	113	20
	Benzene	20	19.2	ug/L	96	2		82	109	15
	1,2-Dichloroethane	20	20.5	ug/L	103	3		80	115	20
	Trichloroethene	20	18.5	ug/L	93	5		77	113	15
	Tetrachloroethene	20	18.9	ug/L	95	0		67	123	15
	Chlorobenzene	20	19.3	ug/L	97	0		82	109	15

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VOLATILE METHOD BLANK SUMMARY

Client ID: VX1017WBL01

Lab Name: Alliance | Contract: CORE02

Lab Code: ACE | SDG NO.: Q3349

Lab File ID: VX048207.D | Lab Sample ID: VX1017WBL01

Date Analyzed: 10/17/2025 | Time Analyzed: 13:15

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
VX1017WBS01	VX1017WBS01	VX048209.D	10/17/2025
VX1017WBSD01	VX1017WBSD01	VX048210.D	10/17/2025
PURS Station	Q3349-01	VX048224.D	10/17/2025

COMMENTS:

Raw Data: **VX048197.D**

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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: Alliance | Contract: CORE02

Lab Code: ACE | SDG NO.: Q3349

Lab File ID: VX048197.D | BFB Injection Date: 10/17/2025

Instrument ID: MSVOA_X | BFB Injection Time: 08:17

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	20.5
75	30.0 - 60.0% of mass 95	53.9
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.2
173	Less than 2.0% of mass 174	0.8 (1.1) 1
174	50.0 - 100.0% of mass 95	71.6
175	5.0 - 9.0% of mass 174	5.3 (7.4) 1
176	95.0 - 101.0% of mass 174	68.1 (95.1) 1
177	5.0 - 9.0% of mass 176	4.8 (7.1) 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	VX048198.D	10/17/2025	08:45
VSTDICC005	VSTDICC005	VX048199.D	10/17/2025	09:14
VSTDICC020	VSTDICC020	VX048200.D	10/17/2025	09:35
VSTDICCC050	VSTDICCC050	VX048201.D	10/17/2025	09:55
VSTDICC100	VSTDICC100	VX048202.D	10/17/2025	10:16
VSTDICC150	VSTDICC150	VX048203.D	10/17/2025	10:36
VX1017WBL01	VX1017WBL01	VX048207.D	10/17/2025	13:15
VX1017WBS01	VX1017WBS01	VX048209.D	10/17/2025	14:03
VX1017WBSD01	VX1017WBSD01	VX048210.D	10/17/2025	14:30
PURS Station	Q3349-01	VX048224.D	10/17/2025	19:19

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VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance Contract: CORE02

Lab Code: ACE SDG NO.: Q3349

Lab File ID: VX048201.D Date Analyzed: 10/17/2025

Instrument ID: MSVOA_X Time Analyzed: 09:55

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	144905	5.54	233738	6.75	208719	10.04
UPPER LIMIT	289810	6.044	467476	7.245	417438	10.537
LOWER LIMIT	72452.5	5.044	116869	6.245	104360	9.537
EPA SAMPLE NO.						
PURS Station	84578	5.54	169663	6.75	184791	10.04
VX1017WBL01	129436	5.54	259480	6.75	275267	10.04
VX1017WBS01	157010	5.54	248908	6.75	238012	10.04
VX1017WBSD01	149269	5.53	237242	6.75	228640	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.

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VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance Contract: CORE02

Lab Code: ACE SDG NO.: Q3349

Lab File ID: VX048201.D Date Analyzed: 10/17/2025

Instrument ID: MSVOA_X Time Analyzed: 09:55

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

	IS4 AREA #	RT #				
12 HOUR STD	103673	12.006				
UPPER LIMIT	207346	12.506				
LOWER LIMIT	51836.5	11.506				
EPA SAMPLE NO.						
PURS Station	101794	12.01				
VX1017WBL01	138959	12.01				
VX1017WBS01	112861	12.01				
VX1017WBSD01	106057	12.00				

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: **VX048224.D**

Alliance TECHNICAL GROUP
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Report of Analysis

Client:	Core Environmental Consultants and Services, Inc.	Date Collected:	10/13/25
Project:	NYPA PURS Station	Date Received:	10/14/25
Client Sample ID:	PURS Station	SDG No.:	Q3349
Lab Sample ID:	Q3349-01	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	130	U	500	130	2500	ug/L	10/17/25 19:19	VX101725
75-35-4	1,1-Dichloroethene	120	U	500	120	2500	ug/L	10/17/25 19:19	VX101725
78-93-3	2-Butanone	490	U	500	490	12500	ug/L	10/17/25 19:19	VX101725
56-23-5	Carbon Tetrachloride	130	U	500	130	2500	ug/L	10/17/25 19:19	VX101725
67-66-3	Chloroform	130	U	500	130	2500	ug/L	10/17/25 19:19	VX101725
71-43-2	Benzene	75.0	U	500	75.0	2500	ug/L	10/17/25 19:19	VX101725
107-06-2	1,2-Dichloroethane	110	U	500	110	2500	ug/L	10/17/25 19:19	VX101725
79-01-6	Trichloroethene	46.5	U	500	46.5	2500	ug/L	10/17/25 19:19	VX101725
127-18-4	Tetrachloroethene	120	U	500	120	2500	ug/L	10/17/25 19:19	VX101725
108-90-7	Chlorobenzene	60.0	U	500	60.0	2500	ug/L	10/17/25 19:19	VX101725
SURROGATES									
17060-07-0	1,2-Dichloroethane-d4	57.1			74 - 125	114%	SPK: 50		
1868-53-7	Dibromofluoromethane	53.3			75 - 124	107%	SPK: 50		
2037-26-5	Toluene-d8	49.8			86 - 113	100%	SPK: 50		
460-00-4	4-Bromofluorobenzene	62.8	*		77 - 121	126%	SPK: 50		
INTERNAL STANDARDS		**Area Count**							
363-72-4	Pentafluorobenzene	84600							
540-36-3	1,4-Difluorobenzene	170000							
3114-55-4	Chlorobenzene-d5	185000							
3855-82-1	1,4-Dichlorobenzene-d4	102000							

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\VX101725\
Data File : VX048224.D
Acq On : 17 Oct 2025 19:19
Operator : JC/MD
Sample : Q3349-01 500X
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 28 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
PURS Station

Quant Time: Oct 18 00:24:23 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X101725W.M
Quant Title : SW846 8260
QLast Update : Sat Oct 18 00:06:31 2025
Response via : Initial Calibration

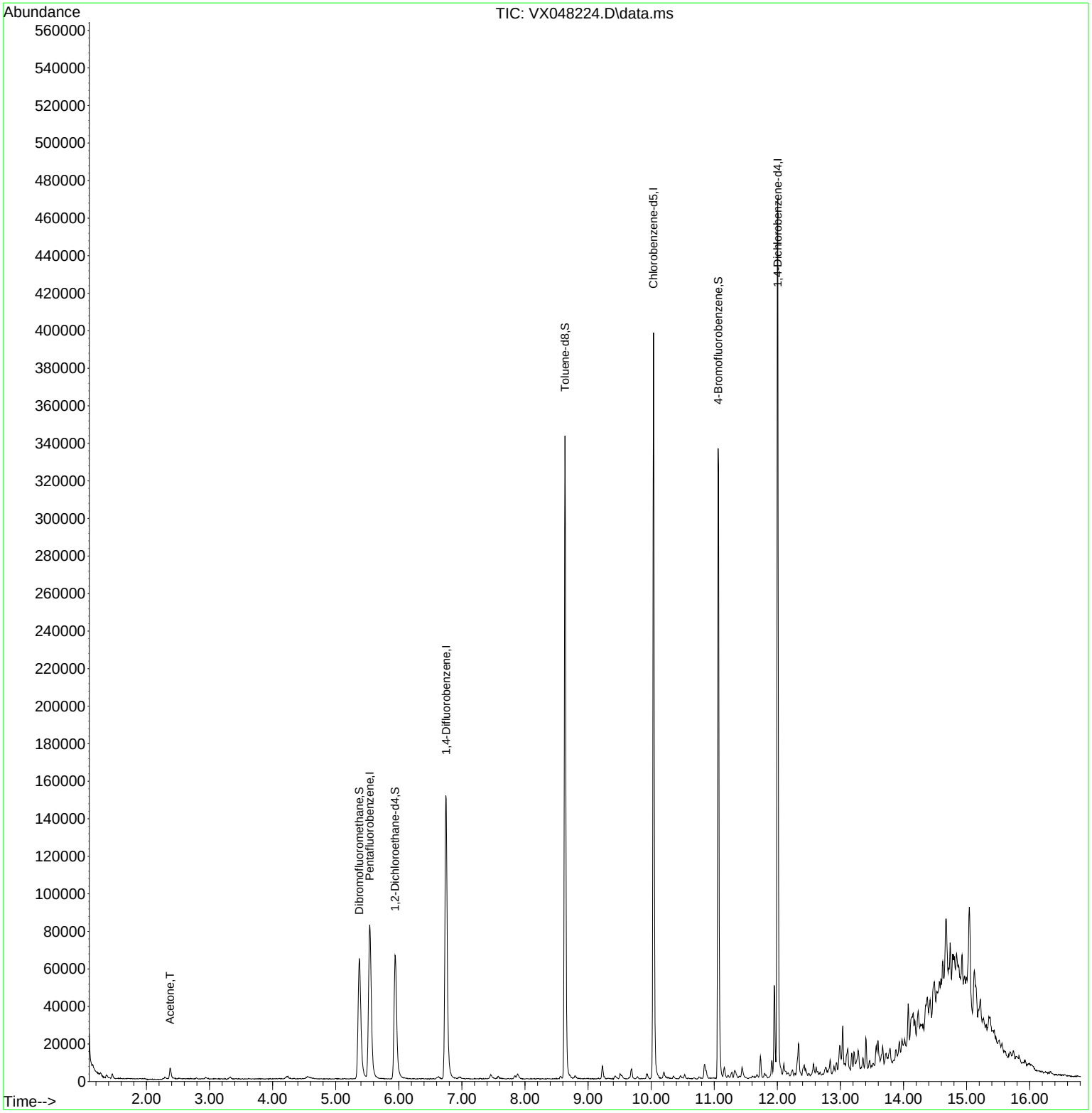
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.538	168	84578	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.751	114	169663	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	184791	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	101794	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.940	65	74771	57.065	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 114.120%			
35) Dibromofluoromethane	5.373	113	62722	53.267	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 106.540%			
50) Toluene-d8	8.635	98	211439	49.844	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 99.680%			
62) 4-Bromofluorobenzene	11.061	95	97075	62.829	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 125.660%#			
Target Compounds						Qvalue
16) Acetone	2.374	43	7634	17.079	ug/l	93

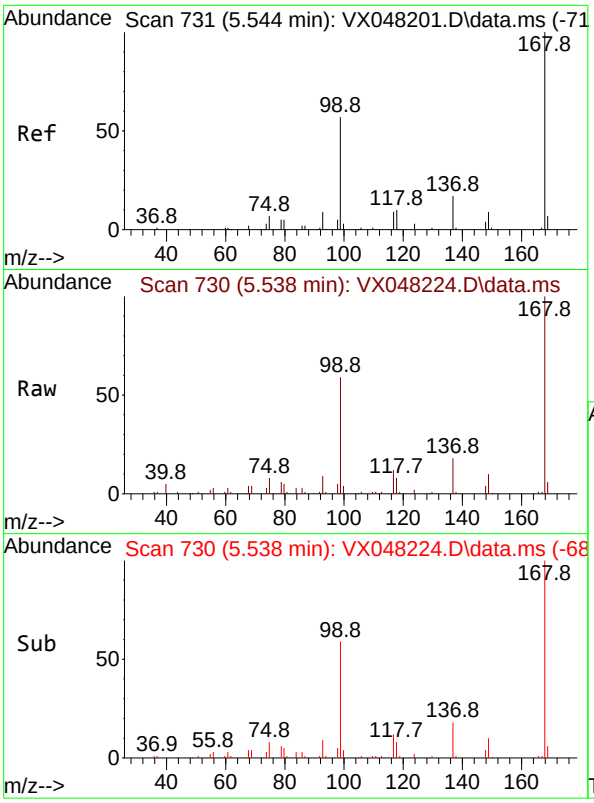
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX101725\
Data File : VX048224.D
Acq On : 17 Oct 2025 19:19
Operator : JC/MD
Sample : Q3349-01 500X
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 28 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
PURS Station

Quant Time: Oct 18 00:24:23 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X101725W.M
Quant Title : SW846 8260
QLast Update : Sat Oct 18 00:06:31 2025
Response via : Initial Calibration



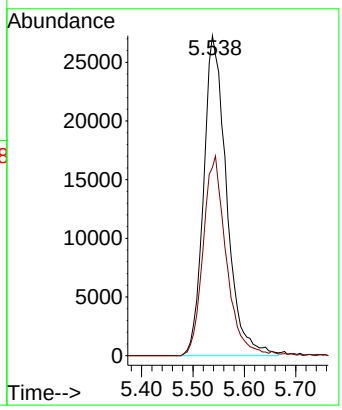


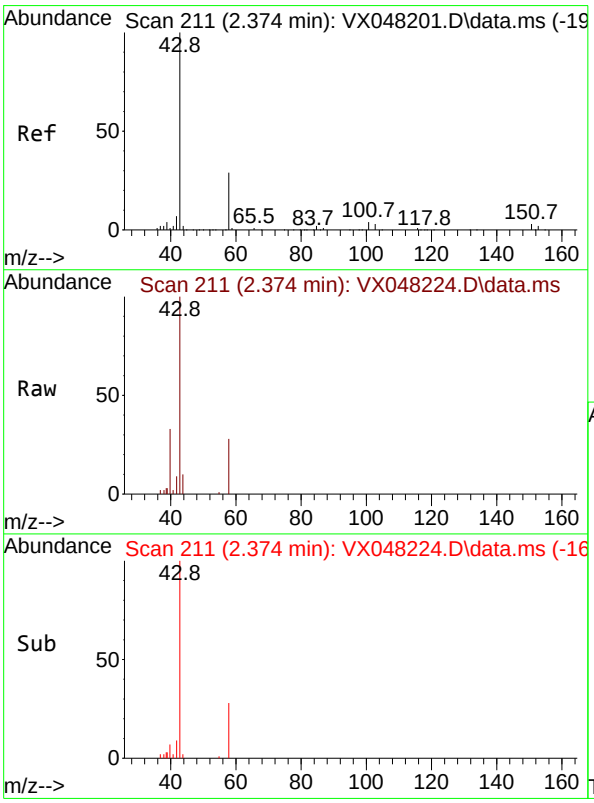
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.538 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX048224.D
Acq: 17 Oct 2025 19:19

Instrument :
MSVOA_X
ClientSampleId :
PURS Station

Tgt Ion:168 Resp: 84578

Ion	Ratio	Lower	Upper
168	100		
99	58.9	46.4	69.6

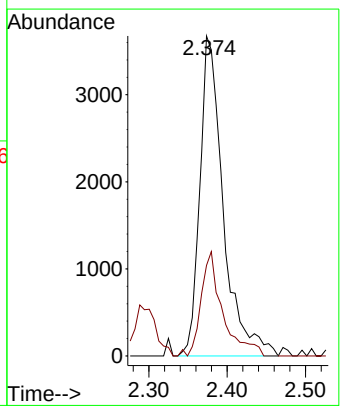


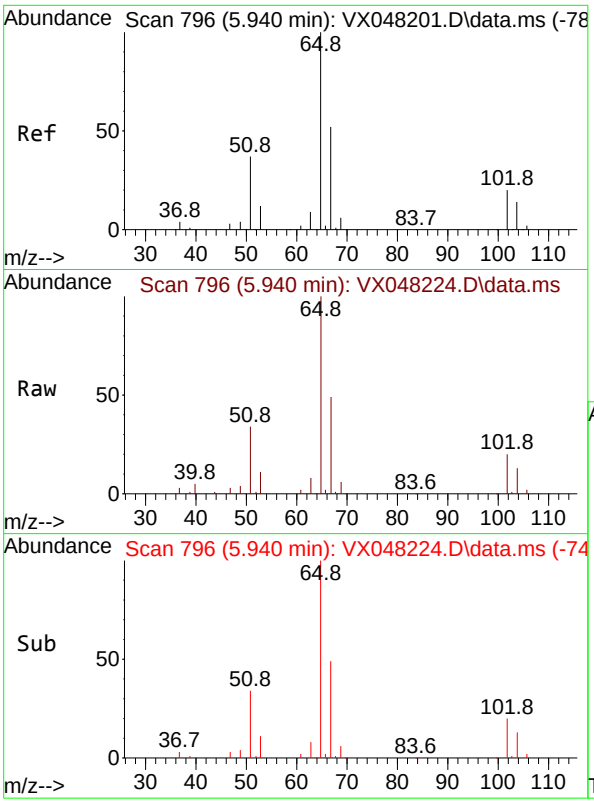


#16
Acetone
Concen: 17.079 ug/l
RT: 2.374 min Scan# 211
Delta R.T. 0.000 min
Lab File: VX048224.D
Acq: 17 Oct 2025 19:19

Tgt Ion: 43 Resp: 7634

Ion	Ratio	Lower	Upper
43	100		
58	25.6	23.4	35.2



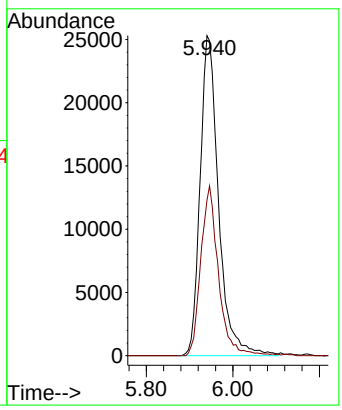


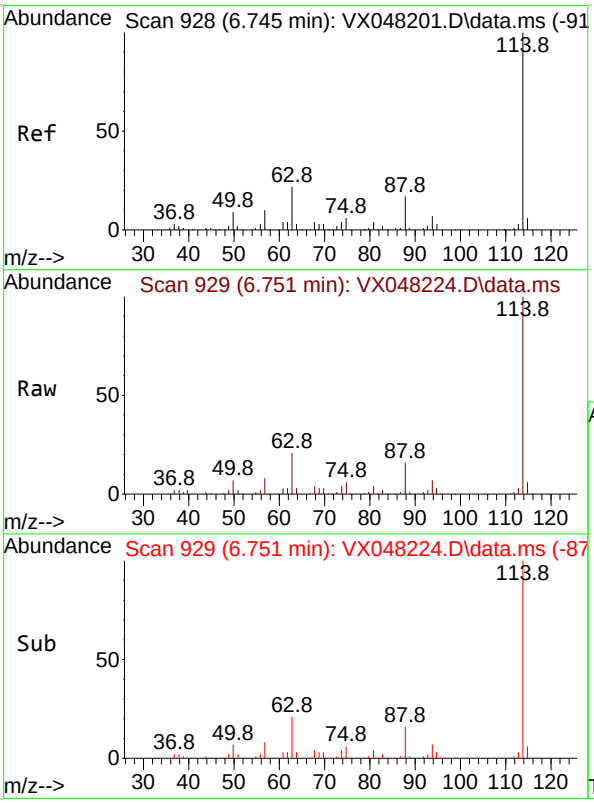
#33
1,2-Dichloroethane-d4
Concen: 57.065 ug/l
RT: 5.940 min Scan# 7
Delta R.T. 0.000 min
Lab File: VX048224.D
Acq: 17 Oct 2025 19:19

Instrument :
MSVOA_X
ClientSampleId :
PURS Station

Tgt Ion: 65 Resp: 74771

Ion	Ratio	Lower	Upper
65	100		
67	50.9	0.0	105.0

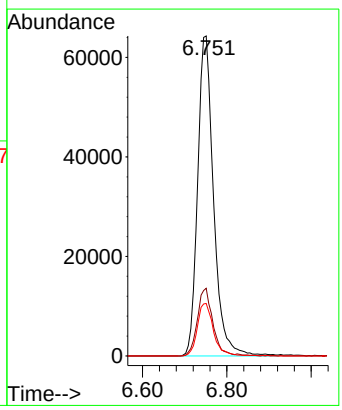


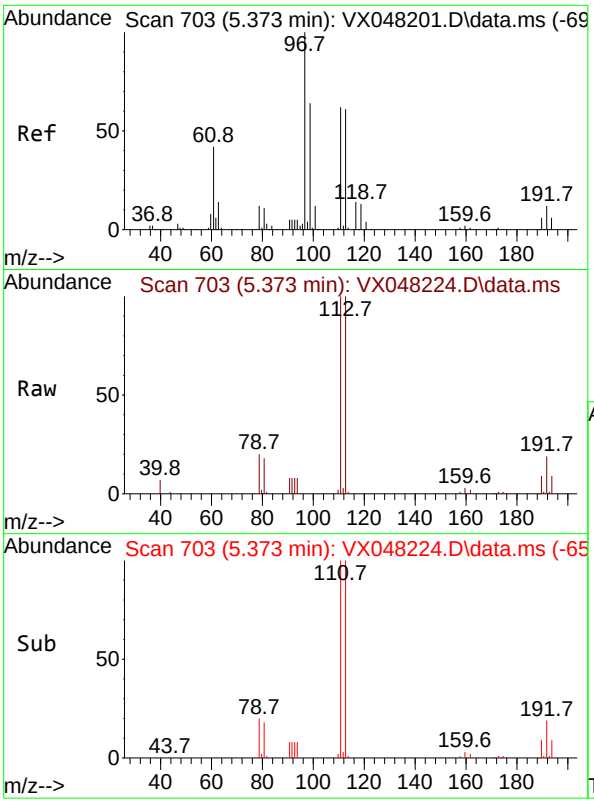


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.751 min Scan# 929
Delta R.T. 0.006 min
Lab File: VX048224.D
Acq: 17 Oct 2025 19:19

Tgt Ion:114 Resp: 169663

Ion	Ratio	Lower	Upper
114	100		
63	21.1	0.0	43.2
88	16.4	0.0	33.6



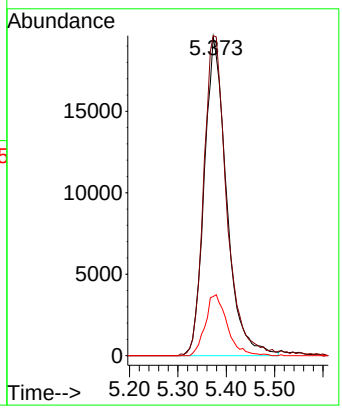


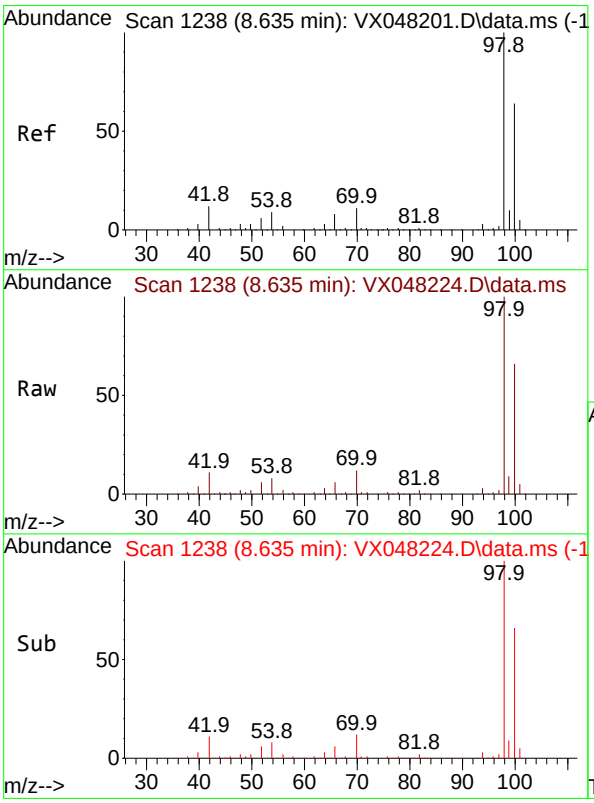
#35
Dibromofluoromethane
Concen: 53.267 ug/l
RT: 5.373 min Scan# 7
Delta R.T. 0.000 min
Lab File: VX048224.D
Acq: 17 Oct 2025 19:19

Instrument :
MSVOA_X
ClientSampleId :
PURS Station

Tgt Ion:113 Resp: 62722

Ion	Ratio	Lower	Upper
113	100		
111	102.7	82.2	123.4
192	18.8	15.1	22.7

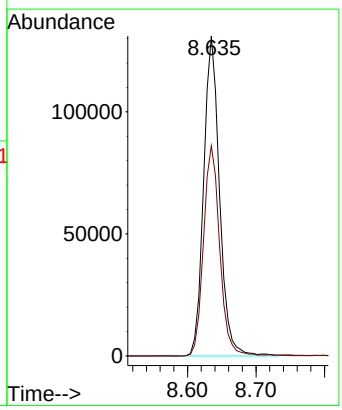


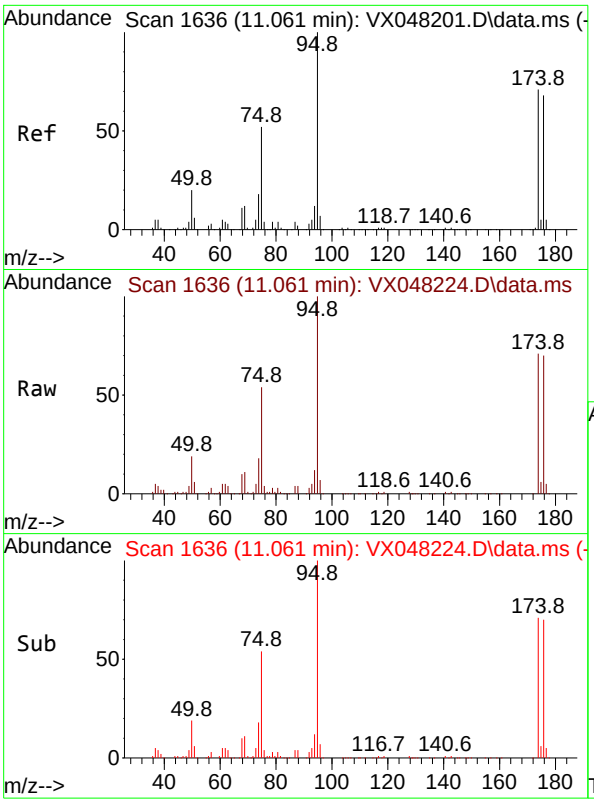


#50
Toluene-d8
Concen: 49.844 ug/l
RT: 8.635 min Scan# 1238
Delta R.T. 0.000 min
Lab File: VX048224.D
Acq: 17 Oct 2025 19:19

Tgt Ion: 98 Resp: 211439

Ion	Ratio	Lower	Upper
98	100		
100	67.2	53.0	79.4



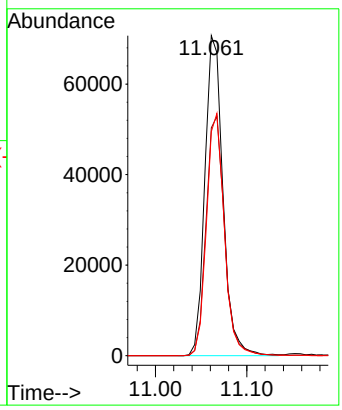


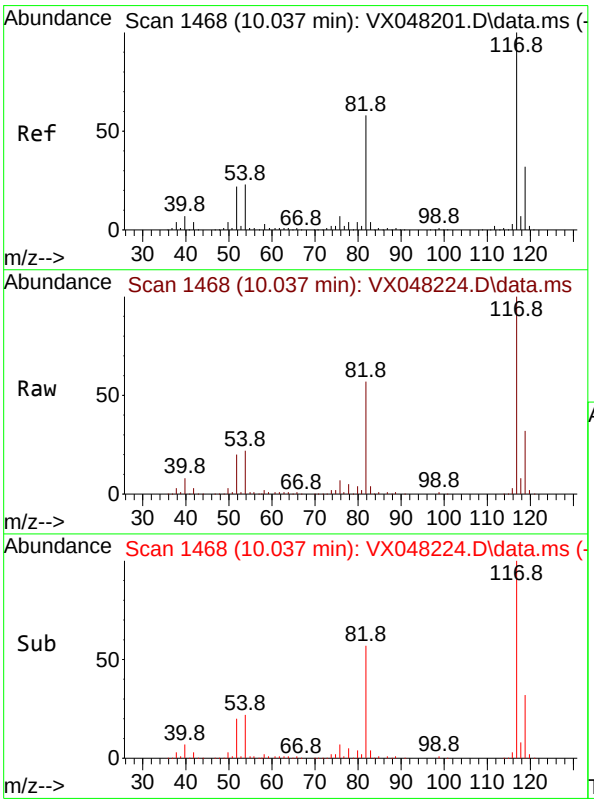
#62
4-Bromofluorobenzene
Concen: 62.829 ug/l
RT: 11.061 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX048224.D
Acq: 17 Oct 2025 19:19

Instrument :
MSVOA_X
ClientSampleId :
PURS Station

Tgt Ion: 95 Resp: 97075

Ion	Ratio	Lower	Upper
95	100		
174	76.7	0.0	147.8
176	74.9	0.0	142.8

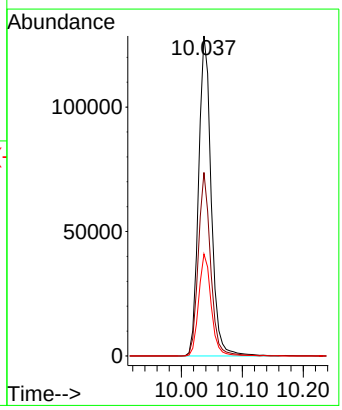


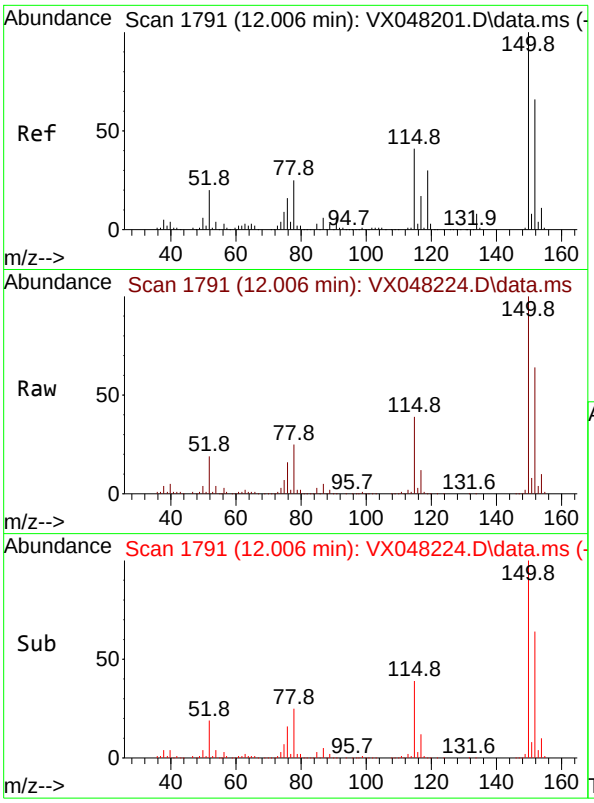


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.037 min Scan# 1468
Delta R.T. 0.000 min
Lab File: VX048224.D
Acq: 17 Oct 2025 19:19

Tgt Ion:117 Resp: 184791

Ion	Ratio	Lower	Upper
117	100		
82	57.3	46.5	69.7
119	31.8	25.9	38.9



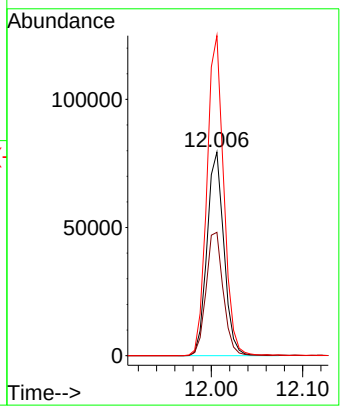


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.006 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX048224.D
Acq: 17 Oct 2025 19:19

Instrument :
MSVOA_X
ClientSampleId :
PURS Station

Tgt Ion:152 Resp: 101794

Ion	Ratio	Lower	Upper
152	100		
115	61.7	43.1	129.4
150	156.8	0.0	353.0



CALIBRATION SUMMARY

Raw Data

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

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: Alliance Contract: CORE02

Lab Code: ACE SDG No.: Q3349

Instrument ID: MSVOA_X Calibration Date(s): 10/17/2025 10/17/2025

Heated Purge: (Y/N) N Calibration Time(s): 08:45 10:36

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

LAB FILE ID: RRF001 = VX048198.D RRF005 = VX048199.D RRF020 = VX048200.D
RRF050 = VX048201.D RRF100 = VX048202.D RRF150 = VX048203.D

COMPOUND	RRF001	RRF005	RRF020	RRF050	RRF100	RRF150	$\overline{RRF}$	% RSD
Vinyl Chloride	0.633	0.705	0.602	0.673	0.690	0.716	0.670	6.6
1,1-Dichloroethene	0.599	0.577	0.519	0.569	0.598	0.615	0.579	5.9
2-Butanone	0.275	0.312	0.291	0.314	0.323	0.331	0.308	6.8
Carbon Tetrachloride	0.652	0.593	0.507	0.575	0.540	0.499	0.561	10.3
Chloroform	1.240	1.331	1.133	1.166	1.202	1.242	1.219	5.7
Benzene	1.460	1.511	1.325	1.497	1.483	1.433	1.452	4.7
1,2-Dichloroethane	0.506	0.564	0.495	0.546	0.501	0.508	0.520	5.4
Trichloroethene	0.372	0.374	0.346	0.367	0.378	0.358	0.366	3.3
Tetrachloroethene	0.427	0.337	0.317	0.350	0.341	0.331	0.351	11.1
Chlorobenzene	1.099	1.113	1.015	1.125	1.113	1.095	1.093	3.6
1,2-Dichloroethane-d4		0.862	0.746	0.732	0.756	0.778	0.775	6.6
Dibromofluoromethane		0.373	0.341	0.342	0.347	0.332	0.347	4.5
Toluene-d8		1.311	1.188	1.262	1.224	1.265	1.250	3.7
4-Bromofluorobenzene		0.482	0.429	0.450	0.445	0.470	0.455	4.6

* 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 : 82X101725W.M
Title : SW846 8260
Last Update : Sat Oct 18 00:06:31 2025
Response Via : Initial Calibration

Calibration Files
1 =VX048198.D 5 =VX048199.D 20 =VX048200.D 50 =VX048201.D 100 =VX048202.D 150 =VX048203.D

		Compound	1	5	20	50	100	150	Avg	%RSD
1)	I	Pentafluorobenzene	----------ISTD----------							
2)	T	Dichlorodifluo...	0.556	0.540	0.466	0.517	0.528	0.542	0.525	6.02
3)	P	Chloromethane	0.630	0.705	0.572	0.607	0.639	0.662	0.636	7.19
4)	C	Vinyl Chloride	0.633	0.705	0.602	0.673	0.690	0.716	0.670	6.59#
5)	T	Bromomethane		0.512	0.411	0.434	0.452	0.418	0.445	9.12
6)	T	Chloroethane	0.448	0.443	0.391	0.404	0.441	0.431	0.426	5.47
7)	T	Trichlorofluor...	1.065	1.113	0.971	1.030	1.060	1.070	1.052	4.52
8)	T	Diethyl Ether	0.370	0.360	0.324	0.348	0.374	0.375	0.359	5.44
9)	T	1,1,2-Trichlor...	0.640	0.611	0.536	0.581	0.594	0.594	0.593	5.81
10)	T	Methyl Iodide		0.570	0.588	0.744	0.812	0.835	0.710	17.51
11)	T	Tert butyl alc...		0.057	0.043	0.049	0.053	0.055	0.051	11.29
12)	CM	1,1-Dichloroet...	0.599	0.577	0.519	0.569	0.598	0.615	0.579	5.89#
13)	T	Acrolein		0.119	0.099	0.100	0.108	0.114	0.108	8.19
14)	T	Allyl chloride	1.031	1.049	0.943	1.016	1.088	1.126	1.042	6.03
15)	T	Acrylonitrile	0.184	0.246	0.239	0.257	0.272	0.280	0.246	14.01
16)	T	Acetone	0.284	0.287	0.259	0.251	0.254	0.251	0.264	6.33
17)	T	Carbon Disulfide	1.832	1.865	1.628	1.745	1.797	1.828	1.783	4.82
18)	T	Methyl Acetate	0.508	0.517	0.511	0.542	0.562	0.590	0.538	6.11
19)	T	Methyl tert-bu...	1.496	1.702	1.642	1.779	1.885	1.968	1.745	9.75
20)	T	Methylene Chlo...	0.609	0.670	0.606	0.636	0.658	0.683	0.644	4.95
21)	T	trans-1,2-Dich...	0.544	0.598	0.557	0.614	0.635	0.648	0.599	6.96
22)	T	Diisopropyl ether	1.820	2.037	1.933	2.061	2.170	2.223	2.041	7.28
23)	T	Vinyl Acetate	1.218	1.448	1.462	1.594	1.687	1.747	1.526	12.60
24)	P	1,1-Dichloroet...	1.097	1.216	1.105	1.127	1.186	1.216	1.158	4.73
25)	T	2-Butanone	0.275	0.312	0.291	0.314	0.323	0.331	0.308	6.79
26)	T	2,2-Dichloropr...	1.031	1.021	0.893	0.950	0.998	1.045	0.990	5.86
27)	T	cis-1,2-Dichlo...	0.654	0.727	0.663	0.708	0.747	0.769	0.711	6.42
28)	T	Bromochloromet...	0.452	0.569	0.442	0.563	0.574	0.602	0.534	12.90
29)	T	Tetrahydrofuran	0.155	0.178	0.169	0.185	0.196	0.202	0.181	9.48
30)	C	Chloroform	1.240	1.331	1.133	1.166	1.202	1.242	1.219	5.67#
31)	T	Cyclohexane		0.997	0.909	0.925	0.998	0.908	0.947	4.85
32)	T	1,1,1-Trichlor...	0.972	1.076	0.958	0.969	1.053	0.981	1.002	5.00
33)	S	1,2-Dichloroet...		0.862	0.746	0.732	0.756	0.778	0.775	6.65
34)	I	1,4-Difluorobenzene	----------ISTD----------							
35)	S	Dibromofluorom...		0.373	0.341	0.342	0.347	0.332	0.347	4.49
36)	T	1,1-Dichloropr...	0.575	0.511	0.425	0.503	0.484	0.435	0.489	11.29
37)	T	Ethyl Acetate	0.379	0.358	0.372	0.405	0.414	0.417	0.391	6.26
38)	T	Carbon Tetrach...	0.652	0.593	0.507	0.575	0.540	0.499	0.561	10.29
39)	T	Methylcyclohexane	0.524	0.560	0.504	0.576	0.577	0.565	0.551	5.49
40)	TM	Benzene	1.460	1.511	1.325	1.497	1.483	1.433	1.452	4.67
41)	T	Methacrylonitrile	0.174	0.201	0.202	0.228	0.223	0.227	0.209	10.21
42)	TM	1,2-Dichloroet...	0.506	0.564	0.495	0.546	0.501	0.508	0.520	5.41
43)	T	Isopropyl Acetate	0.589	0.627	0.615	0.697	0.702	0.705	0.656	7.87
44)	TM	Trichloroethene	0.372	0.374	0.346	0.367	0.378	0.358	0.366	3.27
45)	C	1,2-Dichloropr...	0.354	0.378	0.357	0.377	0.372	0.366	0.367	2.76#
46)	T	Dibromomethane	0.274	0.275	0.244	0.268	0.265	0.260	0.264	4.37
47)	T	Bromodichlorom...	0.560	0.602	0.544	0.582	0.575	0.564	0.571	3.48
48)	T	Methyl methacr...	0.297	0.320	0.318	0.358	0.359	0.364	0.336	8.28
49)	T	1,4-Dioxane	0.002	0.003	0.003	0.003	0.003	0.003	0.003	12.92
50)	S	Toluene-d8		1.311	1.188	1.262	1.224	1.265	1.250	3.72
51)	T	4-Methyl-2-Pen...	0.314	0.354	0.351	0.395	0.390	0.385	0.365	8.51
52)	CM	Toluene	0.815	0.874	0.821	0.927	0.902	0.895	0.872	5.18#
53)	T	t-1,3-Dichloro...	0.478	0.514	0.502	0.568	0.573	0.578	0.535	7.99
54)	T	cis-1,3-Dichlo...	0.505	0.589	0.551	0.617	0.620	0.619	0.583	8.02
55)	T	1,1,2-Trichlor...	0.311	0.345	0.309	0.335	0.331	0.322	0.326	4.27
56)	T	Ethyl methacry...	0.320	0.410	0.420	0.494	0.502	0.511	0.443	16.76

Method Path : Z:\voasrv\HPCHEM1\MSVOA_X\Method\
Method File : 82X101725W.M

57)	T	1,3-Dichloropr...	0.540	0.595	0.540	0.589	0.577	0.572	0.569	4.20
58)	T	2-Chloroethyl ...	0.137	0.188	0.212	0.258	0.285	0.284	0.227	26.00
59)	T	2-Hexanone	0.212	0.255	0.246	0.277	0.273	0.269	0.255	9.47
60)	T	Dibromochlorom...	0.362	0.436	0.389	0.424	0.420	0.414	0.407	6.70
61)	T	1,2-Dibromoethane	0.320	0.340	0.313	0.346	0.344	0.340	0.334	4.12
62)	S	4-Bromofluorob...		0.482	0.429	0.450	0.445	0.470	0.455	4.60
63)	I	Chlorobenzene-d5	----------ISTD----------							
64)	T	Tetrachloroethene	0.427	0.337	0.317	0.350	0.341	0.331	0.351	11.08
65)	PM	Chlorobenzene	1.099	1.113	1.015	1.125	1.113	1.095	1.093	3.65
66)	T	1,1,1,2-Tetrac...	0.447	0.391	0.352	0.394	0.395	0.385	0.394	7.72
67)	C	Ethyl Benzene	1.821	1.847	1.694	1.980	1.969	1.935	1.874	5.83#
68)	T	m/p-Xylenes	0.657	0.687	0.653	0.741	0.733	0.719	0.698	5.48
69)	T	o-Xylene	0.634	0.615	0.599	0.701	0.704	0.691	0.657	7.11
70)	T	Styrene	0.986	1.066	1.070	1.233	1.232	1.202	1.131	9.24
71)	P	Bromoform	0.293	0.297	0.265	0.298	0.293	0.290	0.289	4.33
72)	I	1,4-Dichlorobenzen...	----------ISTD----------							
73)	T	Isopropylbenzene	3.234	3.333	3.211	3.696	3.722	3.670	3.478	6.99
74)	T	N-amyl acetate	1.125	1.161	1.185	1.388	1.456	1.469	1.297	12.15
75)	P	1,1,2,2-Tetrac...	1.040	0.945	0.930	1.015	0.991	0.989	0.985	4.19
76)	T	1,2,3-Trichlor...	0.798	0.716	0.696	0.801	0.787	0.783	0.764	5.97
77)	T	Bromobenzene	0.889	0.844	0.802	0.894	0.896	0.896	0.870	4.48
78)	T	n-propylbenzene	4.098	3.998	3.921	4.451	4.460	4.375	4.217	5.70
79)	T	2-Chlorotoluene	2.547	2.536	2.406	2.602	2.615	2.580	2.548	2.97
80)	T	1,3,5-Trimethy...	2.583	2.731	2.692	3.032	3.077	3.014	2.855	7.37
81)	T	trans-1,4-Dich...		0.243	0.280	0.330	0.349	0.357	0.312	15.71
82)	T	4-Chlorotoluene	2.847	2.922	2.819	3.138	3.133	3.108	2.994	4.96
83)	T	tert-Butylbenzene	2.865	2.743	2.613	2.963	3.066	3.054	2.884	6.24
84)	T	1,2,4-Trimethy...	2.561	2.665	2.695	3.055	3.078	3.002	2.842	8.00
85)	T	sec-Butylbenzene	3.521	3.368	3.253	3.625	3.707	3.679	3.526	5.16
86)	T	p-Isopropyltol...	2.790	2.945	2.738	3.153	3.128	3.078	2.972	5.96
87)	T	1,3-Dichlorobe...	1.722	1.567	1.492	1.681	1.660	1.641	1.628	5.15
88)	T	1,4-Dichlorobe...	1.892	1.678	1.520	1.718	1.663	1.652	1.687	7.14
89)	T	n-Butylbenzene	2.813	2.607	2.456	2.919	2.914	2.900	2.768	6.99
90)	T	Hexachloroethane	0.734	0.615	0.557	0.625	0.615	0.618	0.627	9.25
91)	T	1,2-Dichlorobe...	1.591	1.492	1.397	1.603	1.568	1.574	1.538	5.14
92)	T	1,2-Dibromo-3-...	0.198	0.162	0.164	0.168	0.192	0.196	0.180	9.52
93)	T	1,2,4-Trichlor...	0.939	0.796	0.799	0.937	0.977	0.998	0.908	9.72
94)	T	Hexachlorobuta...	0.465	0.310	0.294	0.346	0.337	0.349	0.350	17.26
95)	T	Naphthalene	1.960	1.863	2.159	2.641	2.824	2.910	2.393	19.04
96)	T	1,2,3-Trichlor...	0.775	0.758	0.736	0.914	0.912	0.930	0.838	10.75

(#) = Out of Range

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX101725\
Data File : VX048198.D
Acq On : 17 Oct 2025 08:45
Operator : JC/MD
Sample : VSTDICC001
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Oct 17 23:49:38 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X101725W.M
Quant Title : SW846 8260
QLast Update : Fri Oct 17 23:49:03 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED

Reviewed By :John Carlone
10/20/2025
Supervised By :Mahesh Dadoda
10/20/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.532	168	171106	50.000	ug/l	-0.01
34) 1,4-Difluorobenzene	6.739	114	292010	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	244053	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.000	152	113449	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	1.173	85	1902	1.059	ug/l	85
3) Chloromethane	1.301	50	2156	0.991	ug/l	100
4) Vinyl Chloride	1.380	62	2166	0.945	ug/l	97
6) Chloroethane	1.697	64	1533	1.051	ug/l #	88
7) Trichlorofluoromethane	1.898	101	3645	1.013	ug/l	93
8) Diethyl Ether	2.136	74	1265	1.031	ug/l	93
9) 1,1,2-Trichlorotrifluo...	2.331	101	2189	1.080	ug/l	95
12) 1,1-Dichloroethene	2.325	96	2050	1.034	ug/l	96
14) Allyl chloride	2.666	41	3528	0.989	ug/l	98
15) Acrylonitrile	3.062	53	3141	3.727	ug/l #	84
16) Acetone	2.374	43	4860	5.375	ug/l #	88
17) Carbon Disulfide	2.514	76	6269	1.028	ug/l	98
18) Methyl Acetate	2.697	43	1737	0.943	ug/l #	89
19) Methyl tert-butyl Ether	3.105	73	5118	0.857	ug/l	96
20) Methylene Chloride	2.788	84	2083	0.946	ug/l	91
21) trans-1,2-Dichloroethene	3.087	96	1862	0.908	ug/l	94
22) Diisopropyl ether	3.745	45	6229	0.892	ug/l	93
23) Vinyl Acetate	3.715	43	20834	3.990	ug/l	95
24) 1,1-Dichloroethane	3.599	63	3755	0.948	ug/l #	91
25) 2-Butanone	4.550	43	4709	4.470	ug/l	95
26) 2,2-Dichloropropane	4.465	77	3528	1.042	ug/l	90
27) cis-1,2-Dichloroethene	4.483	96	2239m	0.920	ug/l	
28) Bromochloromethane	4.891	49	1546	0.847	ug/l #	94
29) Tetrahydrofuran	5.007	42	2657	4.295	ug/l #	54
30) Chloroform	5.074	83	4243	1.017	ug/l #	78
32) 1,1,1-Trichloroethane	5.367	97	3326	0.970	ug/l #	47
36) 1,1-Dichloropropene	5.672	75	3360	1.177	ug/l	94
37) Ethyl Acetate	4.715	43	2212m	0.969	ug/l	
38) Carbon Tetrachloride	5.666	117	3807	1.162	ug/l	84
39) Methylcyclohexane	7.367	83	3061	0.951	ug/l	88
40) Benzene	6.019	78	8528	1.006	ug/l #	88
41) Methacrylonitrile	4.904	41	1015	0.831	ug/l #	60
42) 1,2-Dichloroethane	6.074	62	2953	0.972	ug/l	86
43) Isopropyl Acetate	6.318	43	3437	0.897	ug/l #	81
44) Trichloroethene	7.111	130	2174	1.018	ug/l	96
45) 1,2-Dichloropropane	7.415	63	2066	0.963	ug/l	96

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX101725\
Data File : VX048198.D
Acq On : 17 Oct 2025 08:45
Operator : JC/MD
Sample : VSTDICC001
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Oct 17 23:49:38 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X101725W.M
Quant Title : SW846 8260
QLast Update : Fri Oct 17 23:49:03 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED

Reviewed By :John Carlone
10/20/2025
Supervised By :Mahesh Dadoda
10/20/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
46) Dibromomethane	7.562	93	1600	1.036	ug/l		89
47) Bromodichloromethane	7.806	83	3270	0.980	ug/l	#	98
48) Methyl methacrylate	7.696	41	1734	0.884	ug/l		87
49) 1,4-Dioxane	7.665	88	265	15.015	ug/l	#	38
51) 4-Methyl-2-Pentanone	8.555	43	9171	4.303	ug/l		94
52) Toluene	8.696	92	4761	0.934	ug/l		99
53) t-1,3-Dichloropropene	8.970	75	2791	0.893	ug/l		100
54) cis-1,3-Dichloropropene	8.354	75	2948	0.865	ug/l	#	84
55) 1,1,2-Trichloroethane	9.128	97	1817	0.956	ug/l	#	79
56) Ethyl methacrylate	9.098	69	1866	0.722	ug/l	#	73
57) 1,3-Dichloropropane	9.293	76	3153	0.949	ug/l		100
58) 2-Chloroethyl Vinyl ether	8.226	63	4001	16.697	ug/l		98
59) 2-Hexanone	9.415	43	6190	4.152	ug/l		92
60) Dibromochloromethane	9.506	129	2113	0.888	ug/l		88
61) 1,2-Dibromoethane	9.598	107	1870	0.959	ug/l		99
64) Tetrachloroethene	9.256	164	2082	1.217	ug/l	#	81
65) Chlorobenzene	10.061	112	5363	1.005	ug/l		100
66) 1,1,1,2-Tetrachloroethane	10.147	131	2180	1.134	ug/l	#	64
67) Ethyl Benzene	10.177	91	8889	0.972	ug/l		99
68) m/p-Xylenes	10.287	106	6418	1.883	ug/l		100
69) o-Xylene	10.622	106	3094	0.964	ug/l		100
70) Styrene	10.640	104	4811	0.871	ug/l		97
71) Bromoform	10.781	173	1432	1.014	ug/l	#	98
73) Isopropylbenzene	10.945	105	7339	0.930	ug/l		99
74) N-amyl acetate	10.829	43	2552	0.867	ug/l	#	93
75) 1,1,2,2-Tetrachloroethane	11.189	83	2360	1.056	ug/l		95
76) 1,2,3-Trichloropropane	11.220	75	1810m	1.045	ug/l		
77) Bromobenzene	11.183	156	2018	1.022	ug/l		96
78) n-propylbenzene	11.287	91	9298	0.972	ug/l		97
79) 2-Chlorotoluene	11.348	91	5779	1.000	ug/l		98
80) 1,3,5-Trimethylbenzene	11.433	105	5860	0.905	ug/l		96
82) 4-Chlorotoluene	11.439	91	6460	0.951	ug/l		99
83) tert-Butylbenzene	11.695	119	6501	0.993	ug/l		95
84) 1,2,4-Trimethylbenzene	11.732	105	5810	0.901	ug/l		99
85) sec-Butylbenzene	11.872	105	7990	0.999	ug/l		94
86) p-Isopropyltoluene	11.988	119	6330	0.939	ug/l		92
87) 1,3-Dichlorobenzene	11.951	146	3908	1.058	ug/l		99
88) 1,4-Dichlorobenzene	12.018	146	4292m	1.121	ug/l		
89) n-Butylbenzene	12.317	91	6382	1.016	ug/l		97
90) Hexachloroethane	12.518	117	1666	1.171	ug/l		100
91) 1,2-Dichlorobenzene	12.317	146	3611	1.035	ug/l		98
92) 1,2-Dibromo-3-Chloropr...	12.927	75	450	1.102	ug/l		87
93) 1,2,4-Trichlorobenzene	13.573	180	2130	1.034	ug/l		97
94) Hexachlorobutadiene	13.707	225	1056	1.329	ug/l		86
95) Naphthalene	13.756	128	4447	0.819	ug/l	#	93
96) 1,2,3-Trichlorobenzene	13.945	180	1758	0.925	ug/l		89

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

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX101725\
Data File : VX048198.D
Acq On : 17 Oct 2025 08:45
Operator : JC/MD
Sample : VSTDICC001
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Oct 17 23:49:38 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X101725W.M
Quant Title : SW846 8260
QLast Update : Fri Oct 17 23:49:03 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

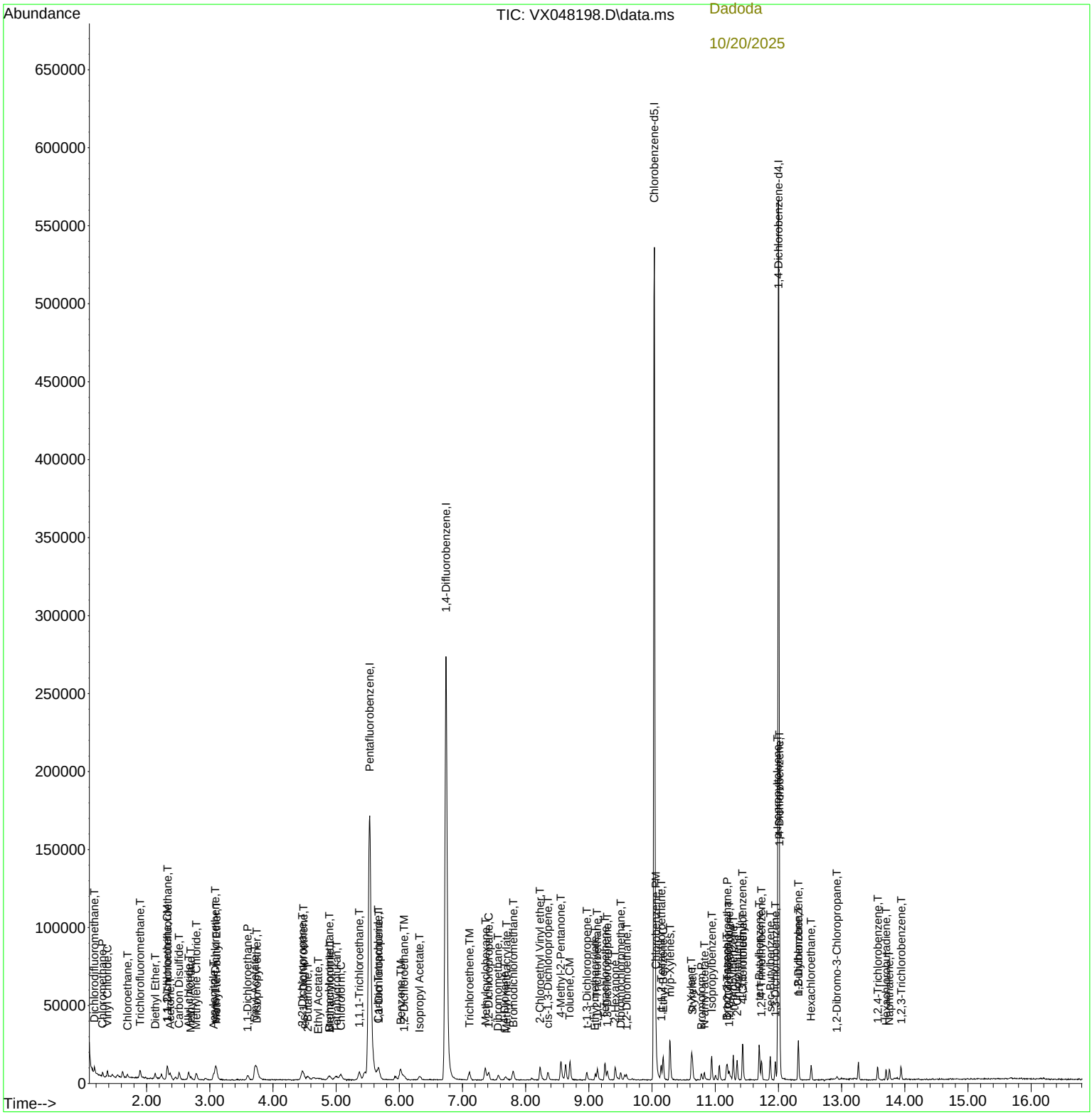
Manual Integrations APPROVED

Reviewed By :John Carlone

10/20/2025

Supervised By :Mahesh Dadoda

10/20/2025



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX101725\
Data File : VX048199.D
Acq On : 17 Oct 2025 09:14
Operator : JC/MD
Sample : VSTDICC005
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Oct 17 23:51:33 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X101725W.M
Quant Title : SW846 8260
QLast Update : Fri Oct 17 23:49:03 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

Reviewed By :John Carlone 10/20/2025
Supervised By :Mahesh Dadoda 10/20/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.531	168	153745	50.000	ug/l	-0.01
34) 1,4-Difluorobenzene	6.739	114	263338	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	239392	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.000	152	119256	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.940	65	13249	5.563	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 11.120%#			
35) Dibromofluoromethane	5.367	113	9826	5.376	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 10.760%#			
50) Toluene-d8	8.628	98	34534	5.245	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 10.480%#			
62) 4-Bromofluorobenzene	11.061	95	12695	5.294	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 10.580%#			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.172	85	8304	5.146	ug/l	92
3) Chloromethane	1.300	50	10833	5.542	ug/l	98
4) Vinyl Chloride	1.380	62	10844	5.264	ug/l	100
5) Bromomethane	1.617	94	7879	5.843	ug/l	99
6) Chloroethane	1.697	64	6809	5.194	ug/l	91
7) Trichlorofluoromethane	1.892	101	17111	5.292	ug/l	96
8) Diethyl Ether	2.136	74	5542	5.025	ug/l	94
9) 1,1,2-Trichlorotrifluo...	2.331	101	9388	5.153	ug/l	98
10) Methyl Iodide	2.453	142	8757	4.013	ug/l	95
11) Tert butyl alcohol	2.940	59	4406	27.879	ug/l #	84
12) 1,1-Dichloroethene	2.319	96	8872	4.980	ug/l	98
13) Acrolein	2.233	56	9166	27.597	ug/l	99
14) Allyl chloride	2.660	41	16133	5.034	ug/l	98
15) Acrylonitrile	3.056	53	18915	24.977	ug/l	98
16) Acetone	2.373	43	22063	27.154	ug/l	98
17) Carbon Disulfide	2.514	76	28679	5.232	ug/l	99
18) Methyl Acetate	2.697	43	7943	4.800	ug/l	100
19) Methyl tert-butyl Ether	3.105	73	26175	4.878	ug/l	95
20) Methylene Chloride	2.788	84	10300	5.204	ug/l	97
21) trans-1,2-Dichloroethene	3.087	96	9196	4.989	ug/l	97
22) Diisopropyl ether	3.745	45	31321	4.991	ug/l	89
23) Vinyl Acetate	3.709	43	111285	23.718	ug/l	100
24) 1,1-Dichloroethane	3.599	63	18693	5.251	ug/l #	96
25) 2-Butanone	4.544	43	23972	25.324	ug/l	98
26) 2,2-Dichloropropane	4.465	77	15703	5.161	ug/l	98
27) cis-1,2-Dichloroethene	4.483	96	11176	5.109	ug/l	98
28) Bromochloromethane	4.879	49	8746	5.330	ug/l #	92
29) Tetrahydrofuran	4.989	42	13689	24.625	ug/l	97
30) Chloroform	5.074	83	20456	5.458	ug/l	98
31) Cyclohexane	5.458	56	15324	5.261	ug/l #	84
32) 1,1,1-Trichloroethane	5.361	97	16546	5.373	ug/l	97
36) 1,1-Dichloropropene	5.678	75	13452	5.225	ug/l	99
37) Ethyl Acetate	4.702	43	9417	4.577	ug/l	98
38) Carbon Tetrachloride	5.653	117	15616	5.284	ug/l	91
39) Methylcyclohexane	7.360	83	14758	5.084	ug/l	94
40) Benzene	6.019	78	39795	5.205	ug/l	97

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX101725\
Data File : VX048199.D
Acq On : 17 Oct 2025 09:14
Operator : JC/MD
Sample : VSTDICC005
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Oct 17 23:51:33 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X101725W.M
Quant Title : SW846 8260
QLast Update : Fri Oct 17 23:49:03 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

Reviewed By :John Carlone 10/20/2025
Supervised By :Mahesh Dadoda 10/20/2025

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
41) Methacrylonitrile	4.903	41	5290	4.801 ug/l #	87
42) 1,2-Dichloroethane	6.068	62	14854	5.423 ug/l	98
43) Isopropyl Acetate	6.318	43	16504	4.778 ug/l	100
44) Trichloroethene	7.110	130	9855	5.115 ug/l	92
45) 1,2-Dichloropropane	7.409	63	9944	5.139 ug/l #	87
46) Dibromomethane	7.562	93	7243	5.203 ug/l	97
47) Bromodichloromethane	7.805	83	15851	5.268 ug/l	91
48) Methyl methacrylate	7.677	41	8414	4.759 ug/l	93
49) 1,4-Dioxane	7.647	88	1603	100.719 ug/l #	71
51) 4-Methyl-2-Pentanone	8.555	43	46666	24.280 ug/l	97
52) Toluene	8.702	92	23020	5.010 ug/l	98
53) t-1,3-Dichloropropene	8.964	75	13526	4.799 ug/l	99
54) cis-1,3-Dichloropropene	8.354	75	15513	5.049 ug/l #	73
55) 1,1,2-Trichloroethane	9.134	97	9082	5.297 ug/l	96
56) Ethyl methacrylate	9.098	69	10795	4.629 ug/l	98
57) 1,3-Dichloropropane	9.287	76	15679	5.234 ug/l	99
58) 2-Chloroethyl Vinyl ether	8.226	63	24721	30.551 ug/l	99
59) 2-Hexanone	9.415	43	33559	24.963 ug/l	97
60) Dibromochloromethane	9.500	129	11485	5.352 ug/l	98
61) 1,2-Dibromoethane	9.592	107	8947	5.089 ug/l	98
64) Tetrachloroethene	9.256	164	8068	4.807 ug/l	97
65) Chlorobenzene	10.061	112	26648	5.091 ug/l	97
66) 1,1,1,2-Tetrachloroethane	10.146	131	9358	4.961 ug/l	98
67) Ethyl Benzene	10.177	91	44215	4.927 ug/l	96
68) m/p-Xylenes	10.281	106	32891	9.839 ug/l	98
69) o-Xylene	10.622	106	14730	4.681 ug/l	100
70) Styrene	10.640	104	25526	4.712 ug/l	97
71) Bromoform	10.780	173	7113	5.135 ug/l #	98
73) Isopropylbenzene	10.945	105	39744	4.792 ug/l	99
74) N-amyl acetate	10.823	43	13847	4.475 ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.195	83	11275	4.798 ug/l	99
76) 1,2,3-Trichloropropane	11.219	75	8543m	4.691 ug/l	
77) Bromobenzene	11.177	156	10069	4.851 ug/l	99
78) n-propylbenzene	11.286	91	47678	4.740 ug/l	100
79) 2-Chlorotoluene	11.347	91	30248	4.977 ug/l	99
80) 1,3,5-Trimethylbenzene	11.433	105	32573	4.784 ug/l	99
81) trans-1,4-Dichloro-2-b...	11.000	75	2894	3.891 ug/l	85
82) 4-Chlorotoluene	11.433	91	34843	4.879 ug/l	99
83) tert-Butylbenzene	11.695	119	32713	4.756 ug/l	98
84) 1,2,4-Trimethylbenzene	11.732	105	31779	4.687 ug/l	97
85) sec-Butylbenzene	11.872	105	40171	4.777 ug/l	100
86) p-Isopropyltoluene	11.988	119	35118	4.954 ug/l	97
87) 1,3-Dichlorobenzene	11.951	146	18693	4.816 ug/l	98
88) 1,4-Dichlorobenzene	12.024	146	20013	4.974 ug/l	91
89) n-Butylbenzene	12.311	91	31086	4.709 ug/l	98
90) Hexachloroethane	12.518	117	7333	4.902 ug/l	98
91) 1,2-Dichlorobenzene	12.317	146	17793	4.851 ug/l	100
92) 1,2-Dibromo-3-Chloropr...	12.926	75	1930	4.495 ug/l	88
93) 1,2,4-Trichlorobenzene	13.567	180	9498	4.387 ug/l	100
94) Hexachlorobutadiene	13.707	225	3694	4.424 ug/l	94
95) Naphthalene	13.756	128	22221	3.894 ug/l	99
96) 1,2,3-Trichlorobenzene	13.945	180	9039	4.525 ug/l	97

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX101725\
Data File : VX048199.D
Acq On : 17 Oct 2025 09:14
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 10/20/2025
Supervised By :Mahesh Dadoda 10/20/2025

Quant Time: Oct 17 23:51:33 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X101725W.M
Quant Title : SW846 8260
QLast Update : Fri Oct 17 23:49:03 2025
Response via : Initial Calibration

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

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

ICAL Form

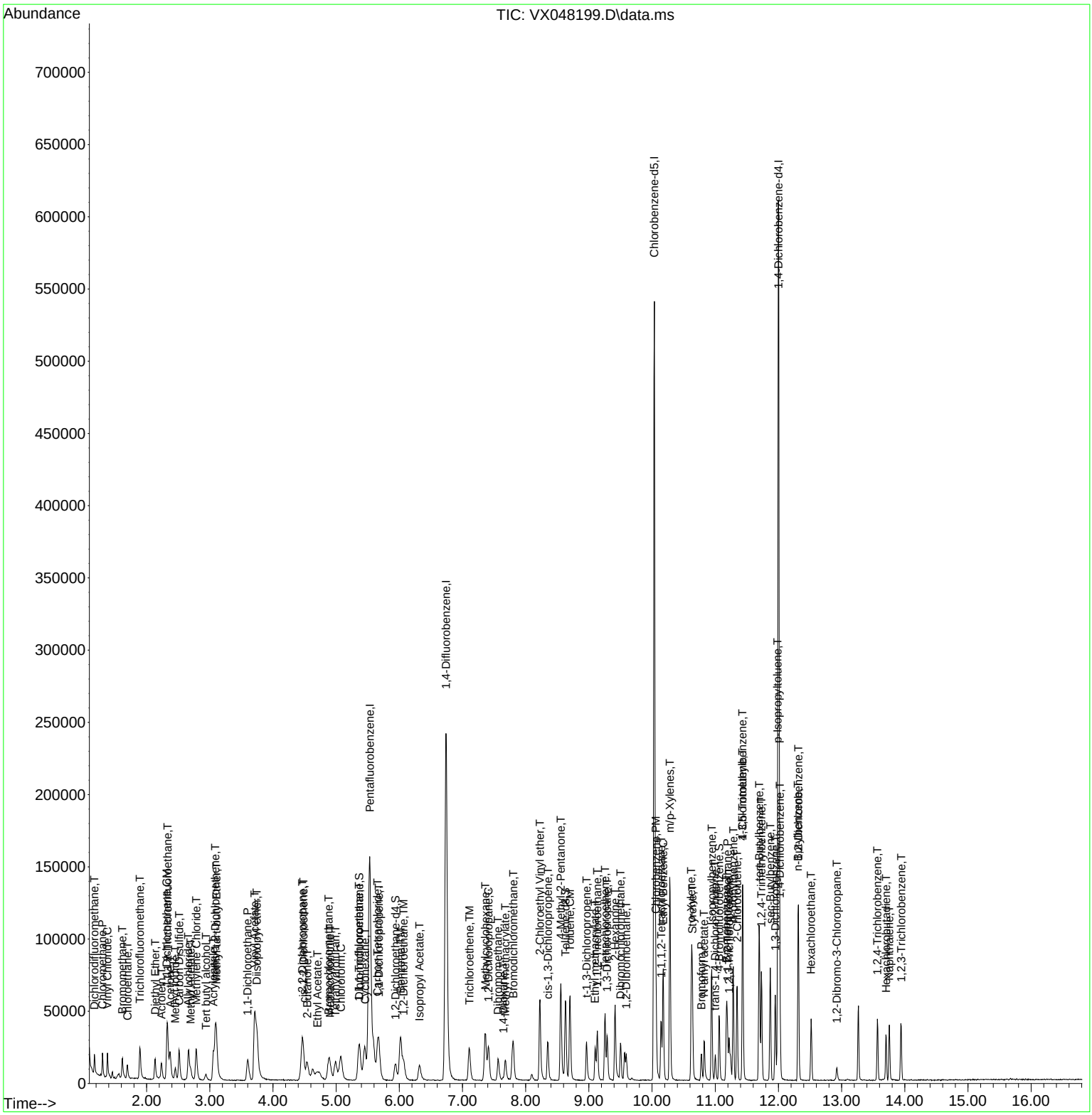
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX101725\
Data File : VX048199.D
Acq On : 17 Oct 2025 09:14
Operator : JC/MD
Sample : VSTDICC005
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Oct 17 23:51:33 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X101725W.M
Quant Title : SW846 8260
QLast Update : Fri Oct 17 23:49:03 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

Reviewed By :John Carlone 10/20/2025
Supervised By :Mahesh Dadoda 10/20/2025



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX101725\
Data File : VX048200.D
Acq On : 17 Oct 2025 09:35
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 10/20/2025
Supervised By :Mahesh Dadoda 10/20/2025

Quant Time: Oct 17 23:52:17 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X101725W.M
Quant Title : SW846 8260
QLast Update : Fri Oct 17 23:49:03 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.537	168	152243	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.745	114	259476	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	235392	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	115135	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.940	65	45441	19.267	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	38.540%#		
35) Dibromofluoromethane	5.373	113	35347	19.628	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	39.260%#		
50) Toluene-d8	8.634	98	123286	19.003	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	38.000%#		
62) 4-Bromofluorobenzene	11.061	95	44537	18.848	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	37.700%#		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.172	85	28393	17.769	ug/l	96
3) Chloromethane	1.300	50	34807	17.981	ug/l	96
4) Vinyl Chloride	1.380	62	36678	17.981	ug/l	98
5) Bromomethane	1.624	94	25004	18.725	ug/l	94
6) Chloroethane	1.697	64	23829	18.357	ug/l	93
7) Trichlorofluoromethane	1.898	101	59127	18.467	ug/l	98
8) Diethyl Ether	2.136	74	19758	18.092	ug/l	97
9) 1,1,2-Trichlorotrifluo...	2.337	101	32626	18.083	ug/l	99
10) Methyl Iodide	2.459	142	35802	16.567	ug/l	96
11) Tert butyl alcohol	2.940	59	13042	83.338	ug/l	100
12) 1,1-Dichloroethene	2.325	96	31576	17.899	ug/l	99
13) Acrolein	2.239	56	30162	91.708	ug/l	98
14) Allyl chloride	2.666	41	57446	18.102	ug/l	98
15) Acrylonitrile	3.056	53	72649	96.879	ug/l	99
16) Acetone	2.373	43	78714	97.833	ug/l	98
17) Carbon Disulfide	2.514	76	99127	18.263	ug/l	100
18) Methyl Acetate	2.703	43	31105	18.981	ug/l	100
19) Methyl tert-butyl Ether	3.111	73	99980	18.814	ug/l	97
20) Methylene Chloride	2.788	84	36931	18.842	ug/l	95
21) trans-1,2-Dichloroethene	3.099	96	33933	18.592	ug/l	96
22) Diisopropyl ether	3.751	45	117739	18.948	ug/l	97
23) Vinyl Acetate	3.715	43	445135	95.805	ug/l	99
24) 1,1-Dichloroethane	3.605	63	67274	19.084	ug/l	98
25) 2-Butanone	4.538	43	88683	94.609	ug/l	98
26) 2,2-Dichloropropane	4.465	77	54360	18.041	ug/l	99
27) cis-1,2-Dichloroethene	4.477	96	40384	18.644	ug/l	99
28) Bromochloromethane	4.885	49	26888	16.547	ug/l	99
29) Tetrahydrofuran	4.995	42	51429	93.427	ug/l	97
30) Chloroform	5.080	83	68996	18.590	ug/l	94
31) Cyclohexane	5.464	56	55383	19.200	ug/l	95
32) 1,1,1-Trichloroethane	5.379	97	58321	19.125	ug/l	98
36) 1,1-Dichloropropene	5.684	75	44106	17.386	ug/l	99
37) Ethyl Acetate	4.702	43	38648	19.063	ug/l	97
38) Carbon Tetrachloride	5.666	117	52596	18.063	ug/l	97
39) Methylcyclohexane	7.366	83	52276	18.276	ug/l	99
40) Benzene	6.025	78	137544	18.259	ug/l	99

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX101725\
Data File : VX048200.D
Acq On : 17 Oct 2025 09:35
Operator : JC/MD
Sample : VSTDICC020
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Oct 17 23:52:17 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X101725W.M
Quant Title : SW846 8260
QLast Update : Fri Oct 17 23:49:03 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

Reviewed By :John Carlone 10/20/2025
Supervised By :Mahesh Dadoda 10/20/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	4.910	41	20924	19.271	ug/l		96
42) 1,2-Dichloroethane	6.068	62	51415	19.051	ug/l		99
43) Isopropyl Acetate	6.324	43	63854	18.762	ug/l		100
44) Trichloroethene	7.110	130	35880	18.900	ug/l		100
45) 1,2-Dichloropropane	7.415	63	37083	19.451	ug/l		97
46) Dibromomethane	7.568	93	25284	18.432	ug/l		96
47) Bromodichloromethane	7.805	83	56507	19.060	ug/l		99
48) Methyl methacrylate	7.677	41	33005	18.945	ug/l		99
49) 1,4-Dioxane	7.641	88	6318	402.877	ug/l		96
51) 4-Methyl-2-Pentanone	8.555	43	182185	96.201	ug/l		99
52) Toluene	8.702	92	85262	18.832	ug/l		98
53) t-1,3-Dichloropropene	8.964	75	52066	18.746	ug/l		100
54) cis-1,3-Dichloropropene	8.354	75	57193	18.893	ug/l		97
55) 1,1,2-Trichloroethane	9.134	97	32118	19.012	ug/l		98
56) Ethyl methacrylate	9.104	69	43616	18.983	ug/l		97
57) 1,3-Dichloropropane	9.293	76	56015	18.979	ug/l		100
58) 2-Chloroethyl Vinyl ether	8.226	63	109951	87.551	ug/l		98
59) 2-Hexanone	9.415	43	127723	96.420	ug/l		98
60) Dibromochloromethane	9.506	129	40353	19.084	ug/l		100
61) 1,2-Dibromoethane	9.592	107	32476	18.749	ug/l		99
64) Tetrachloroethene	9.256	164	29834	18.076	ug/l		96
65) Chlorobenzene	10.061	112	95567	18.568	ug/l		98
66) 1,1,1,2-Tetrachloroethane	10.146	131	33146	17.871	ug/l		99
67) Ethyl Benzene	10.177	91	159512	18.078	ug/l		99
68) m/p-Xylenes	10.287	106	122901	37.388	ug/l		100
69) o-Xylene	10.622	106	56391	18.223	ug/l		98
70) Styrene	10.640	104	100737	18.912	ug/l		100
71) Bromoform	10.780	173	24913	18.292	ug/l	#	100
73) Isopropylbenzene	10.945	105	147885	18.467	ug/l		99
74) N-amyl acetate	10.829	43	54555	18.261	ug/l		99
75) 1,1,2,2-Tetrachloroethane	11.195	83	42852	18.889	ug/l		99
76) 1,2,3-Trichloropropane	11.219	75	32033m	18.220	ug/l		
77) Bromobenzene	11.183	156	36931	18.429	ug/l		98
78) n-propylbenzene	11.286	91	180587	18.596	ug/l		99
79) 2-Chlorotoluene	11.347	91	110822	18.889	ug/l		99
80) 1,3,5-Trimethylbenzene	11.433	105	123979	18.861	ug/l		100
81) trans-1,4-Dichloro-2-b...	11.000	75	12895	17.959	ug/l		95
82) 4-Chlorotoluene	11.439	91	129814	18.828	ug/l		100
83) tert-Butylbenzene	11.695	119	120319	18.118	ug/l		99
84) 1,2,4-Trimethylbenzene	11.732	105	124103	18.960	ug/l		98
85) sec-Butylbenzene	11.872	105	149810	18.453	ug/l		98
86) p-Isopropyltoluene	11.994	119	126086	18.425	ug/l		99
87) 1,3-Dichlorobenzene	11.951	146	68717	18.336	ug/l		98
88) 1,4-Dichlorobenzene	12.024	146	70018	18.024	ug/l		97
89) n-Butylbenzene	12.311	91	113088	17.742	ug/l		99
90) Hexachloroethane	12.518	117	25630	17.745	ug/l		97
91) 1,2-Dichlorobenzene	12.317	146	64353	18.175	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	12.920	75	7531	18.167	ug/l		90
93) 1,2,4-Trichlorobenzene	13.567	180	36816	17.613	ug/l		99
94) Hexachlorobutadiene	13.707	225	13549	16.807	ug/l		98
95) Naphthalene	13.756	128	99425	18.045	ug/l		99
96) 1,2,3-Trichlorobenzene	13.938	180	33905	17.580	ug/l		96

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX101725\
Data File : VX048200.D
Acq On : 17 Oct 2025 09:35
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 10/20/2025
Supervised By :Mahesh Dadoda 10/20/2025

Quant Time: Oct 17 23:52:17 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X101725W.M
Quant Title : SW846 8260
QLast Update : Fri Oct 17 23:49:03 2025
Response via : Initial Calibration

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

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

ICAL Form

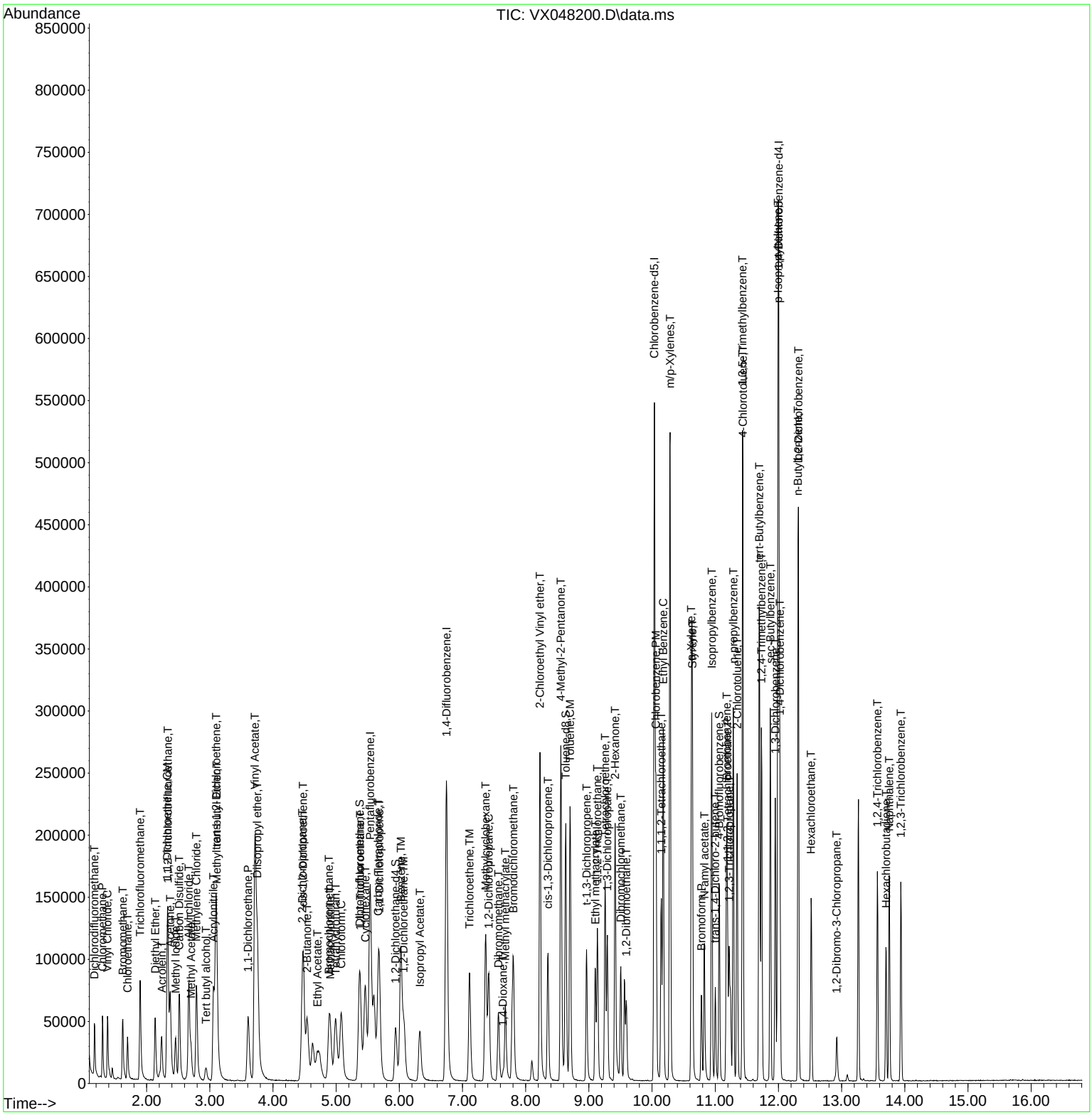
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX101725\
Data File : VX048200.D
Acq On : 17 Oct 2025 09:35
Operator : JC/MD
Sample : VSTDICC020
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Oct 17 23:52:17 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X101725W.M
Quant Title : SW846 8260
QLast Update : Fri Oct 17 23:49:03 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

Reviewed By :John Carlone 10/20/2025
Supervised By :Mahesh Dadoda 10/20/2025



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX101725\
Data File : VX048201.D
Acq On : 17 Oct 2025 09:55
Operator : JC/MD
Sample : VSTDICCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

Reviewed By :John Carlone 10/20/2025
Supervised By :Mahesh Dadoda 10/20/2025

Quant Time: Oct 17 23:53:02 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X101725W.M
Quant Title : SW846 8260
QLast Update : Fri Oct 17 23:49:03 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.544	168	144905	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.745	114	233738	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	208719	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	103673	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.940	65	106047	47.240	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 94.480%			
35) Dibromofluoromethane	5.373	113	79879	49.241	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 98.480%			
50) Toluene-d8	8.635	98	294942	50.468	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 100.940%			
62) 4-Bromofluorobenzene	11.061	95	105186	49.416	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 98.840%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.173	85	74849	49.215	ug/l	100
3) Chloromethane	1.301	50	87915	47.716	ug/l	100
4) Vinyl Chloride	1.380	62	97480	50.210	ug/l	100
5) Bromomethane	1.618	94	62910	49.497	ug/l	100
6) Chloroethane	1.697	64	58491	47.342	ug/l	100
7) Trichlorofluoromethane	1.898	101	149320	49.000	ug/l	100
8) Diethyl Ether	2.136	74	50491	48.574	ug/l	100
9) 1,1,2-Trichlorotrifluo...	2.337	101	84158	49.008	ug/l	100
10) Methyl Iodide	2.459	142	107865	52.442	ug/l	100
11) Tert butyl alcohol	2.941	59	35192	236.264	ug/l	100
12) 1,1-Dichloroethene	2.325	96	82401	49.074	ug/l	100
13) Acrolein	2.233	56	72337	231.080	ug/l	100
14) Allyl chloride	2.666	41	147166	48.724	ug/l	100
15) Acrylonitrile	3.056	53	185879	260.427	ug/l	100
16) Acetone	2.374	43	181892	237.521	ug/l	100
17) Carbon Disulfide	2.514	76	252931	48.958	ug/l	100
18) Methyl Acetate	2.697	43	78566	50.371	ug/l	100
19) Methyl tert-butyl Ether	3.111	73	257848	50.980	ug/l	100
20) Methylene Chloride	2.788	84	92216	49.431	ug/l	100
21) trans-1,2-Dichloroethene	3.093	96	88909	51.182	ug/l	100
22) Diisopropyl ether	3.751	45	298658	50.498	ug/l	100
23) Vinyl Acetate	3.715	43	1154967	261.168	ug/l	100
24) 1,1-Dichloroethane	3.605	63	163290	48.666	ug/l	100
25) 2-Butanone	4.538	43	227696	255.213	ug/l	100
26) 2,2-Dichloropropane	4.465	77	137645	47.994	ug/l	100
27) cis-1,2-Dichloroethene	4.483	96	102610	49.771	ug/l	100
28) Bromochloromethane	4.885	49	81597	52.757	ug/l	100
29) Tetrahydrofuran	4.989	42	134302	256.331	ug/l	100
30) Chloroform	5.080	83	168931	47.821	ug/l	100
31) Cyclohexane	5.458	56	134044	48.824	ug/l	100
32) 1,1,1-Trichloroethane	5.373	97	140456	48.391	ug/l	100
36) 1,1-Dichloropropene	5.684	75	117638	51.478	ug/l	100
37) Ethyl Acetate	4.696	43	94549	51.771	ug/l	100
38) Carbon Tetrachloride	5.666	117	134481	51.270	ug/l	100
39) Methylcyclohexane	7.367	83	134638	52.254	ug/l	100
40) Benzene	6.025	78	349840	51.556	ug/l	100

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX101725\
Data File : VX048201.D
Acq On : 17 Oct 2025 09:55
Operator : JC/MD
Sample : VSTDICCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Oct 17 23:53:02 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X101725W.M
Quant Title : SW846 8260
QLast Update : Fri Oct 17 23:49:03 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

Reviewed By :John Carlone 10/20/2025
Supervised By :Mahesh Dadoda 10/20/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	4.904	41	53392	54.588	ug/l		100
42) 1,2-Dichloroethane	6.068	62	127674	52.516	ug/l		100
43) Isopropyl Acetate	6.324	43	162898	53.135	ug/l		100
44) Trichloroethene	7.111	130	85828	50.188	ug/l		100
45) 1,2-Dichloropropane	7.415	63	88167	51.339	ug/l		100
46) Dibromomethane	7.568	93	62671	50.719	ug/l		100
47) Bromodichloromethane	7.806	83	136069	50.951	ug/l		100
48) Methyl methacrylate	7.678	41	83574	53.254	ug/l		100
49) 1,4-Dioxane	7.641	88	14628	1035.490	ug/l		100
51) 4-Methyl-2-Pentanone	8.555	43	461163	270.327	ug/l		100
52) Toluene	8.702	92	216685	53.129	ug/l		100
53) t-1,3-Dichloropropene	8.964	75	132711	53.044	ug/l		100
54) cis-1,3-Dichloropropene	8.348	75	144189	52.875	ug/l		100
55) 1,1,2-Trichloroethane	9.135	97	78292	51.449	ug/l		100
56) Ethyl methacrylate	9.098	69	115491	55.800	ug/l		100
57) 1,3-Dichloropropane	9.293	76	137565	51.742	ug/l		100
58) 2-Chloroethyl Vinyl ether	8.226	63	301874	237.498	ug/l		100
59) 2-Hexanone	9.415	43	323629	271.214	ug/l		100
60) Dibromochloromethane	9.506	129	99180	52.070	ug/l		100
61) 1,2-Dibromoethane	9.592	107	80814	51.792	ug/l		100
64) Tetrachloroethene	9.256	164	73122	49.965	ug/l		100
65) Chlorobenzene	10.061	112	234754	51.440	ug/l		100
66) 1,1,1,2-Tetrachloroethane	10.147	131	82328	50.061	ug/l		100
67) Ethyl Benzene	10.177	91	413167	52.808	ug/l		100
68) m/p-Xylenes	10.287	106	309325	106.125	ug/l		100
69) o-Xylene	10.622	106	146328	53.330	ug/l		100
70) Styrene	10.640	104	257332	54.486	ug/l		100
71) Bromoform	10.781	173	62282	51.573	ug/l	#	100
73) Isopropylbenzene	10.945	105	383184	53.140	ug/l		100
74) N-amyl acetate	10.823	43	143916	53.500	ug/l		100
75) 1,1,2,2-Tetrachloroethane	11.195	83	105230	51.513	ug/l		100
76) 1,2,3-Trichloropropane	11.220	75	83086m	52.482	ug/l		
77) Bromobenzene	11.177	156	92708	51.377	ug/l		100
78) n-propylbenzene	11.287	91	461479	52.775	ug/l		100
79) 2-Chlorotoluene	11.348	91	269780	51.065	ug/l		100
80) 1,3,5-Trimethylbenzene	11.433	105	314287	53.099	ug/l		100
81) trans-1,4-Dichloro-2-b...	11.000	75	34185	52.874	ug/l		100
82) 4-Chlorotoluene	11.433	91	325295	52.395	ug/l		100
83) tert-Butylbenzene	11.695	119	307163	51.367	ug/l		100
84) 1,2,4-Trimethylbenzene	11.732	105	316687	53.732	ug/l		100
85) sec-Butylbenzene	11.872	105	375832	51.411	ug/l		100
86) p-Isopropyltoluene	11.988	119	326853	53.044	ug/l		100
87) 1,3-Dichlorobenzene	11.951	146	174303	51.652	ug/l		100
88) 1,4-Dichlorobenzene	12.024	146	178082	50.909	ug/l		100
89) n-Butylbenzene	12.311	91	302597	52.723	ug/l		100
90) Hexachloroethane	12.518	117	64788	49.815	ug/l		100
91) 1,2-Dichlorobenzene	12.317	146	166224	52.135	ug/l		100
92) 1,2-Dibromo-3-Chloropr...	12.920	75	17468	46.797	ug/l		100
93) 1,2,4-Trichlorobenzene	13.567	180	97102	51.590	ug/l		100
94) Hexachlorobutadiene	13.701	225	35845	49.380	ug/l		100
95) Naphthalene	13.756	128	273763	55.178	ug/l		100
96) 1,2,3-Trichlorobenzene	13.939	180	94728	54.549	ug/l		100

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX101725\
Data File : VX048201.D
Acq On : 17 Oct 2025 09:55
Operator : JC/MD
Sample : VSTDICCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

Reviewed By :John Carlone 10/20/2025
Supervised By :Mahesh Dadoda 10/20/2025

Quant Time: Oct 17 23:53:02 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X101725W.M
Quant Title : SW846 8260
QLast Update : Fri Oct 17 23:49:03 2025
Response via : Initial Calibration

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

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

ICAL Form

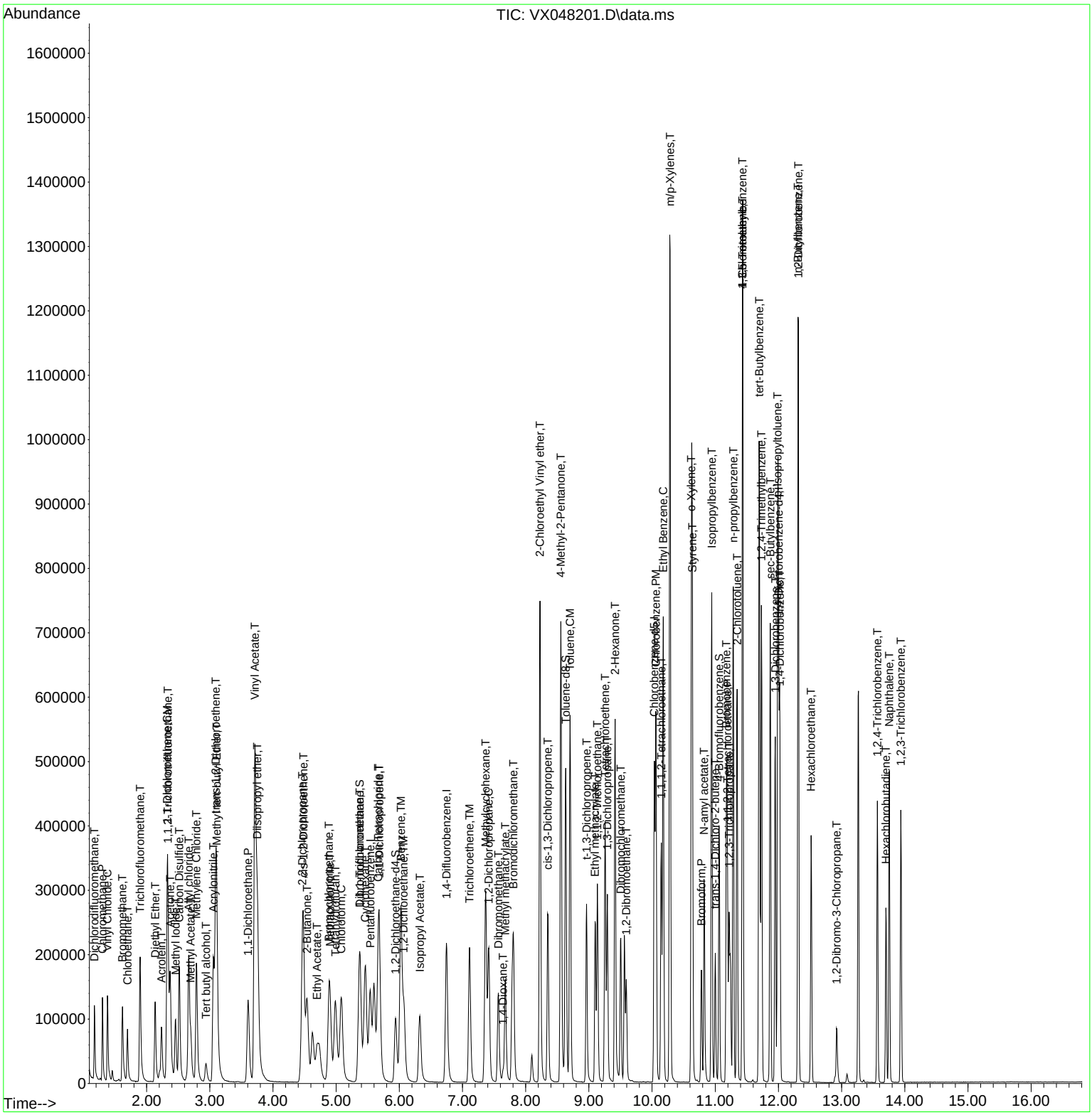
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX101725\
Data File : VX048201.D
Acq On : 17 Oct 2025 09:55
Operator : JC/MD
Sample : VSTDICCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Oct 17 23:53:02 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X101725W.M
Quant Title : SW846 8260
QLast Update : Fri Oct 17 23:49:03 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

Reviewed By :John Carlone 10/20/2025
Supervised By :Mahesh Dadoda 10/20/2025



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX101725\
Data File : VX048202.D
Acq On : 17 Oct 2025 10:16
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 10/20/2025
Supervised By :Mahesh Dadoda 10/20/2025

Quant Time: Oct 17 23:53:48 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X101725W.M
Quant Title : SW846 8260
QLast Update : Fri Oct 17 23:49:03 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.538	168	133656	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.745	114	228136	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	202622	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	98372	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.940	65	202002	97.557	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 195.120%#			
35) Dibromofluoromethane	5.373	113	158514	100.115	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 200.220%#			
50) Toluene-d8	8.635	98	558638	97.937	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 195.880%#			
62) 4-Bromofluorobenzene	11.061	95	203127	97.772	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 195.540%#			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.173	85	141233	100.679	ug/l	97
3) Chloromethane	1.301	50	170903	100.564	ug/l	100
4) Vinyl Chloride	1.380	62	184502	103.031	ug/l	100
5) Bromomethane	1.612	94	120768	103.016	ug/l	99
6) Chloroethane	1.691	64	117828	103.395	ug/l	97
7) Trichlorofluoromethane	1.892	101	283265	100.778	ug/l	99
8) Diethyl Ether	2.136	74	99852	104.147	ug/l	98
9) 1,1,2-Trichlorotrifluo...	2.331	101	158867	100.299	ug/l	100
10) Methyl Iodide	2.453	142	216949	114.353	ug/l	99
11) Tert butyl alcohol	2.947	59	70592	513.812	ug/l	99
12) 1,1-Dichloroethene	2.325	96	159979	103.294	ug/l	97
13) Acrolein	2.233	56	143832	498.142	ug/l	99
14) Allyl chloride	2.666	41	290914	104.422	ug/l	99
15) Acrylonitrile	3.056	53	364153	553.138	ug/l	100
16) Acetone	2.374	43	338972	479.896	ug/l	99
17) Carbon Disulfide	2.514	76	480406	100.815	ug/l	100
18) Methyl Acetate	2.697	43	150315	104.482	ug/l	98
19) Methyl tert-butyl Ether	3.105	73	503763	107.982	ug/l	100
20) Methylene Chloride	2.788	84	175942	102.249	ug/l	99
21) trans-1,2-Dichloroethene	3.093	96	169748	105.942	ug/l	99
22) Diisopropyl ether	3.751	45	580065	106.333	ug/l	99
23) Vinyl Acetate	3.715	43	2254577	552.727	ug/l	100
24) 1,1-Dichloroethane	3.605	63	316968	102.418	ug/l	99
25) 2-Butanone	4.538	43	431769	524.679	ug/l	100
26) 2,2-Dichloropropane	4.471	77	266691	100.816	ug/l	99
27) cis-1,2-Dichloroethene	4.477	96	199554	104.941	ug/l	99
28) Bromochloromethane	4.891	49	153564	107.645	ug/l	99
29) Tetrahydrofuran	4.983	42	261331	540.759	ug/l	100
30) Chloroform	5.080	83	321430	98.649	ug/l	97
31) Cyclohexane	5.458	56	266665	105.304	ug/l	95
32) 1,1,1-Trichloroethane	5.373	97	281604	105.187	ug/l	98
36) 1,1-Dichloropropene	5.678	75	220854	99.018	ug/l	99
37) Ethyl Acetate	4.696	43	188919	105.984	ug/l	98
38) Carbon Tetrachloride	5.666	117	246511	96.288	ug/l	97
39) Methylcyclohexane	7.367	83	263474	104.768	ug/l	97
40) Benzene	6.025	78	676625	102.163	ug/l	98

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX101725\
Data File : VX048202.D
Acq On : 17 Oct 2025 10:16
Operator : JC/MD
Sample : VSTDICC100
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Oct 17 23:53:48 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X101725W.M
Quant Title : SW846 8260
QLast Update : Fri Oct 17 23:49:03 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

Reviewed By :John Carlone 10/20/2025
Supervised By :Mahesh Dadoda 10/20/2025

Compound	R.T.	QIon	Response	Conc Units		Dev(Min)
41) Methacrylonitrile	4.904	41	101831	106.668 ug/l		99
42) 1,2-Dichloroethane	6.074	62	228400	96.255 ug/l		98
43) Isopropyl Acetate	6.324	43	320463	107.098 ug/l		97
44) Trichloroethene	7.111	130	172256	103.199 ug/l		97
45) 1,2-Dichloropropane	7.415	63	169795	101.299 ug/l		99
46) Dibromomethane	7.568	93	120808	100.170 ug/l		100
47) Bromodichloromethane	7.806	83	262522	100.714 ug/l		98
48) Methyl methacrylate	7.678	41	163691	106.866 ug/l		99
49) 1,4-Dioxane	7.647	88	30472	2210.027 ug/l		98
51) 4-Methyl-2-Pentanone	8.555	43	890841	535.021 ug/l		98
52) Toluene	8.702	92	411490	103.371 ug/l		100
53) t-1,3-Dichloropropene	8.964	75	261252	106.986 ug/l		100
54) cis-1,3-Dichloropropene	8.348	75	282702	106.213 ug/l		99
55) 1,1,2-Trichloroethane	9.135	97	150855	101.567 ug/l		99
56) Ethyl methacrylate	9.098	69	229045	113.382 ug/l		100
57) 1,3-Dichloropropane	9.293	76	263100	101.389 ug/l		99
58) 2-Chloroethyl Vinyl ether	8.226	63	649675	506.414 ug/l		100
59) 2-Hexanone	9.415	43	622653	534.621 ug/l		99
60) Dibromochloromethane	9.507	129	191498	103.006 ug/l		100
61) 1,2-Dibromoethane	9.592	107	157062	103.129 ug/l		97
64) Tetrachloroethene	9.257	164	138367	97.393 ug/l		99
65) Chlorobenzene	10.061	112	451146	101.832 ug/l		99
66) 1,1,1,2-Tetrachloroethane	10.147	131	159981	100.207 ug/l		99
67) Ethyl Benzene	10.177	91	797886	105.049 ug/l		100
68) m/p-Xylenes	10.287	106	593973	209.915 ug/l		99
69) o-Xylene	10.622	106	285253	107.091 ug/l		99
70) Styrene	10.640	104	499350	108.910 ug/l		99
71) Bromoform	10.781	173	118639	101.196 ug/l	#	99
73) Isopropylbenzene	10.945	105	732207	107.015 ug/l		100
74) N-amyl acetate	10.823	43	286532	112.256 ug/l		99
75) 1,1,2,2-Tetrachloroethane	11.195	83	195059	100.632 ug/l		99
76) 1,2,3-Trichloropropane	11.220	75	154776m	103.035 ug/l		
77) Bromobenzene	11.183	156	176327	102.983 ug/l		98
78) n-propylbenzene	11.287	91	877504	105.759 ug/l		100
79) 2-Chlorotoluene	11.348	91	514544	102.644 ug/l		100
80) 1,3,5-Trimethylbenzene	11.433	105	605302	107.776 ug/l		100
81) trans-1,4-Dichloro-2-b...	11.000	75	68698	111.982 ug/l		98
82) 4-Chlorotoluene	11.439	91	616367	104.628 ug/l		99
83) tert-Butylbenzene	11.695	119	603179	106.306 ug/l		98
84) 1,2,4-Trimethylbenzene	11.732	105	605612	108.291 ug/l		100
85) sec-Butylbenzene	11.872	105	729402	105.153 ug/l		99
86) p-Isopropyltoluene	11.994	119	615443	105.260 ug/l		99
87) 1,3-Dichlorobenzene	11.951	146	326678	102.022 ug/l		99
88) 1,4-Dichlorobenzene	12.024	146	327189	98.575 ug/l		99
89) n-Butylbenzene	12.317	91	573374	105.286 ug/l		100
90) Hexachloroethane	12.518	117	120982	98.034 ug/l		100
91) 1,2-Dichlorobenzene	12.317	146	308559	101.993 ug/l		100
92) 1,2-Dibromo-3-Chloropr...	12.921	75	37798	106.717 ug/l		94
93) 1,2,4-Trichlorobenzene	13.567	180	192219	107.629 ug/l		100
94) Hexachlorobutadiene	13.707	225	66266	96.208 ug/l		99
95) Naphthalene	13.756	128	555687	118.037 ug/l		100
96) 1,2,3-Trichlorobenzene	13.939	180	179498	108.933 ug/l		100

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX101725\
Data File : VX048202.D
Acq On : 17 Oct 2025 10:16
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 10/20/2025
Supervised By :Mahesh Dadoda 10/20/2025

Quant Time: Oct 17 23:53:48 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X101725W.M
Quant Title : SW846 8260
QLast Update : Fri Oct 17 23:49:03 2025
Response via : Initial Calibration

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

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

ICAL Form

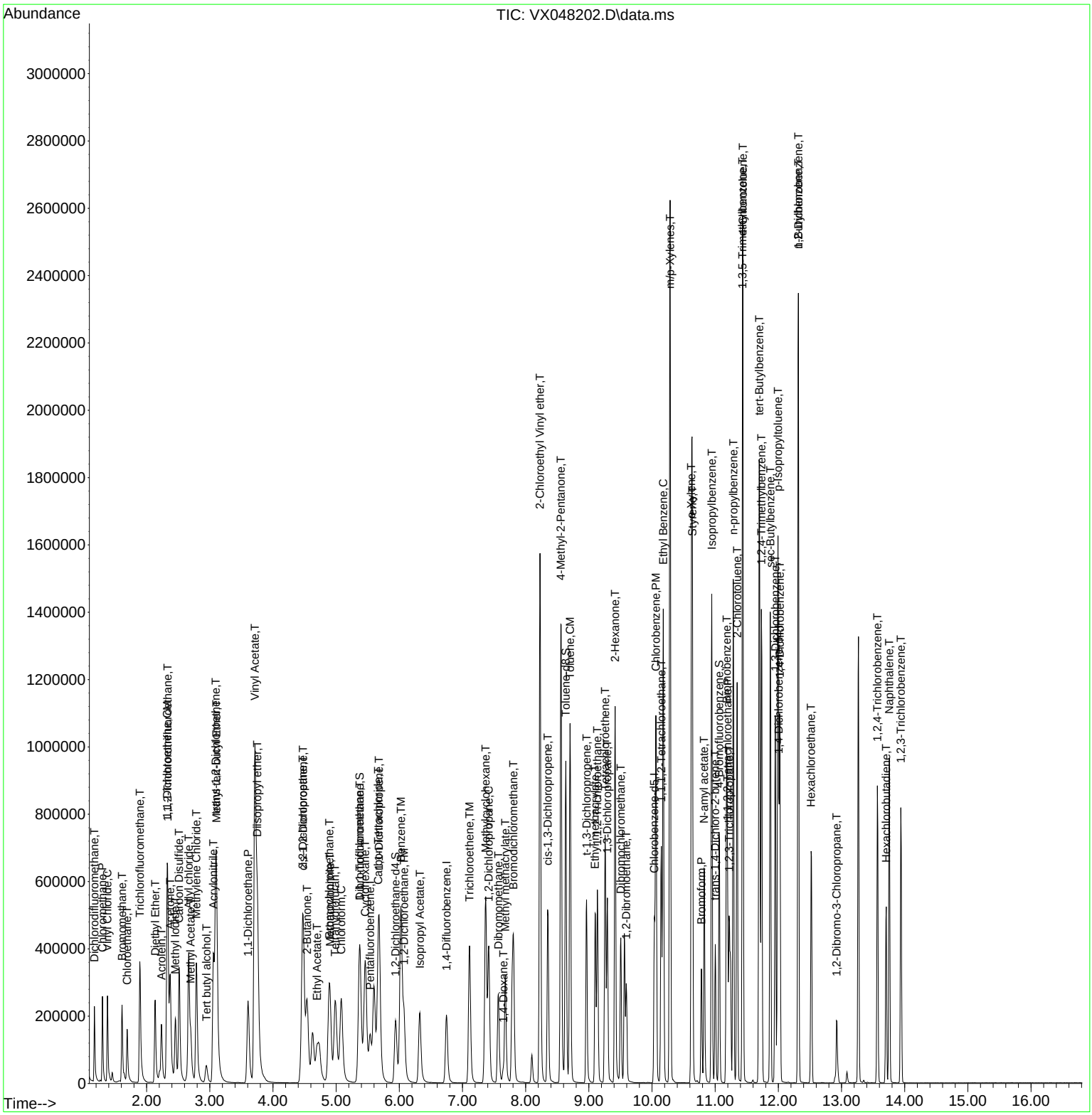
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX101725\
Data File : VX048202.D
Acq On : 17 Oct 2025 10:16
Operator : JC/MD
Sample : VSTDICC100
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Oct 17 23:53:48 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X101725W.M
Quant Title : SW846 8260
QLast Update : Fri Oct 17 23:49:03 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

Reviewed By :John Carlone 10/20/2025
Supervised By :Mahesh Dadoda 10/20/2025



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX101725\
Data File : VX048203.D
Acq On : 17 Oct 2025 10:36
Operator : JC/MD
Sample : VSTDICC150
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Oct 17 23:54:35 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X101725W.M
Quant Title : SW846 8260
QLast Update : Fri Oct 17 23:49:03 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

Reviewed By :John Carlone 10/20/2025
Supervised By :Mahesh Dadoda 10/20/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.544	168	117704	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.745	114	210821	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	188406	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	90909	50.000	ug/l	# 0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.940	65	274559	150.569	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 301.140%#			
35) Dibromofluoromethane	5.373	113	210113	143.603	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 287.200%#			
50) Toluene-d8	8.635	98	800240	151.816	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 303.640%#			
62) 4-Bromofluorobenzene	11.061	95	297432	154.922	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 309.840%#			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.173	85	191262	154.821	ug/l	97
3) Chloromethane	1.301	50	233858	156.258	ug/l	100
4) Vinyl Chloride	1.380	62	252817	160.313	ug/l	100
5) Bromomethane	1.605	94	147750m	143.112	ug/l	
6) Chloroethane	1.691	64	152304	151.760	ug/l	96
7) Trichlorofluoromethane	1.892	101	377782	152.619	ug/l	100
8) Diethyl Ether	2.136	74	132579	157.022	ug/l	100
9) 1,1,2-Trichlorotrifluo...	2.331	101	209786	150.397	ug/l	100
10) Methyl Iodide	2.453	142	294909	176.512	ug/l	99
11) Tert butyl alcohol	2.953	59	97891	809.075	ug/l	99
12) 1,1-Dichloroethene	2.325	96	217022	159.115	ug/l	95
13) Acrolein	2.233	56	201849	793.819	ug/l	99
14) Allyl chloride	2.666	41	397515	162.023	ug/l	99
15) Acrylonitrile	3.056	53	495164	854.076	ug/l	100
16) Acetone	2.374	43	443536	713.033	ug/l	99
17) Carbon Disulfide	2.514	76	645532	153.827	ug/l	99
18) Methyl Acetate	2.697	43	208225	164.350	ug/l	97
19) Methyl tert-butyl Ether	3.105	73	694786	169.112	ug/l	99
20) Methylene Chloride	2.788	84	241039	159.065	ug/l	100
21) trans-1,2-Dichloroethene	3.093	96	228947	162.254	ug/l	98
22) Diisopropyl ether	3.751	45	784834	163.368	ug/l	100
23) Vinyl Acetate	3.715	43	3085268	858.886	ug/l	100
24) 1,1-Dichloroethane	3.605	63	429425	157.560	ug/l	100
25) 2-Butanone	4.538	43	585250	807.571	ug/l	98
26) 2,2-Dichloropropane	4.465	77	369019	158.405	ug/l	99
27) cis-1,2-Dichloroethene	4.477	96	271629	162.203	ug/l	99
28) Bromochloromethane	4.885	49	212685	169.292	ug/l	96
29) Tetrahydrofuran	4.983	42	355888	836.226	ug/l	99
30) Chloroform	5.080	83	438527	152.827	ug/l	98
31) Cyclohexane	5.458	56	320574	143.749	ug/l	95
32) 1,1,1-Trichloroethane	5.373	97	346247	146.860	ug/l	99
36) 1,1-Dichloropropene	5.684	75	274873	133.359	ug/l	100
37) Ethyl Acetate	4.696	43	263583	160.015	ug/l	100
38) Carbon Tetrachloride	5.666	117	315826	133.495	ug/l	99
39) Methylcyclohexane	7.367	83	357557	153.856	ug/l	96
40) Benzene	6.025	78	906330	148.085	ug/l	98

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX101725\
Data File : VX048203.D
Acq On : 17 Oct 2025 10:36
Operator : JC/MD
Sample : VSTDICC150
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Oct 17 23:54:35 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X101725W.M
Quant Title : SW846 8260
QLast Update : Fri Oct 17 23:49:03 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

Reviewed By :John Carlone 10/20/2025
Supervised By :Mahesh Dadoda 10/20/2025

Compound	R.T.	QIon	Response	Conc Units		Dev(Min)
41) Methacrylonitrile	4.910	41	143876	163.089 ug/l		98
42) 1,2-Dichloroethane	6.074	62	321581	146.655 ug/l		98
43) Isopropyl Acetate	6.324	43	445943	161.273 ug/l		98
44) Trichloroethene	7.111	130	226452	146.811 ug/l		97
45) 1,2-Dichloropropane	7.415	63	231605	149.522 ug/l		99
46) Dibromomethane	7.568	93	164711	147.789 ug/l		99
47) Bromodichloromethane	7.806	83	356656	148.066 ug/l		99
48) Methyl methacrylate	7.678	41	229909	162.424 ug/l		98
49) 1,4-Dioxane	7.647	88	41831	3283.029 ug/l		96
51) 4-Methyl-2-Pentanone	8.555	43	1217261	791.106 ug/l		98
52) Toluene	8.702	92	565979	153.859 ug/l		99
53) t-1,3-Dichloropropene	8.964	75	365322	161.891 ug/l		99
54) cis-1,3-Dichloropropene	8.354	75	391297	159.088 ug/l		97
55) 1,1,2-Trichloroethane	9.135	97	203730	148.432 ug/l		99
56) Ethyl methacrylate	9.104	69	322997	173.022 ug/l		99
57) 1,3-Dichloropropane	9.293	76	361920	150.926 ug/l		99
58) 2-Chloroethyl Vinyl ether	8.226	63	899124	751.288 ug/l		100
59) 2-Hexanone	9.415	43	849774	789.557 ug/l		98
60) Dibromochloromethane	9.506	129	261816	152.397 ug/l		100
61) 1,2-Dibromoethane	9.592	107	214969	152.744 ug/l		98
64) Tetrachloroethene	9.256	164	187250	141.745 ug/l		99
65) Chlorobenzene	10.061	112	618687	150.186 ug/l		98
66) 1,1,1,2-Tetrachloroethane	10.147	131	217603	146.584 ug/l		100
67) Ethyl Benzene	10.177	91	1093674	154.857 ug/l		99
68) m/p-Xylenes	10.287	106	812262	308.720 ug/l		98
69) o-Xylene	10.622	106	390402	157.625 ug/l		99
70) Styrene	10.640	104	679119	159.295 ug/l		99
71) Bromoform	10.781	173	163653	150.124 ug/l	#	98
73) Isopropylbenzene	10.945	105	1000890	158.294 ug/l		100
74) N-amyl acetate	10.823	43	400695	169.869 ug/l		99
75) 1,1,2,2-Tetrachloroethane	11.195	83	269668	150.544 ug/l		99
76) 1,2,3-Trichloropropane	11.220	75	213642m	153.898 ug/l		
77) Bromobenzene	11.183	156	244233	154.353 ug/l		100
78) n-propylbenzene	11.287	91	1193225	155.616 ug/l		99
79) 2-Chlorotoluene	11.348	91	703746	151.911 ug/l		100
80) 1,3,5-Trimethylbenzene	11.433	105	821868	158.350 ug/l		99
81) trans-1,4-Dichloro-2-b...	11.000	75	97497	171.972 ug/l		99
82) 4-Chlorotoluene	11.439	91	847504	155.674 ug/l		100
83) tert-Butylbenzene	11.695	119	832967	158.856 ug/l		97
84) 1,2,4-Trimethylbenzene	11.732	105	818722	158.416 ug/l		99
85) sec-Butylbenzene	11.872	105	1003314	156.515 ug/l		99
86) p-Isopropyltoluene	11.994	119	839384	155.346 ug/l		99
87) 1,3-Dichlorobenzene	11.951	146	447676	151.287 ug/l		99
88) 1,4-Dichlorobenzene	12.024	146	450413	146.840 ug/l		99
89) n-Butylbenzene	12.311	91	790908	157.153 ug/l		99
90) Hexachloroethane	12.518	117	168545	147.787 ug/l		99
91) 1,2-Dichlorobenzene	12.317	146	429167	153.505 ug/l		100
92) 1,2-Dibromo-3-Chloropr...	12.920	75	53414	163.187 ug/l		93
93) 1,2,4-Trichlorobenzene	13.567	180	272260	164.961 ug/l		100
94) Hexachlorobutadiene	13.707	225	95077	149.369 ug/l		98
95) Naphthalene	13.756	128	793583	182.408 ug/l		100
96) 1,2,3-Trichlorobenzene	13.939	180	253674	166.587 ug/l		98

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX101725\
Data File : VX048203.D
Acq On : 17 Oct 2025 10:36
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 10/20/2025
Supervised By :Mahesh Dadoda 10/20/2025

Quant Time: Oct 17 23:54:35 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X101725W.M
Quant Title : SW846 8260
QLast Update : Fri Oct 17 23:49:03 2025
Response via : Initial Calibration

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

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

ICAL Form

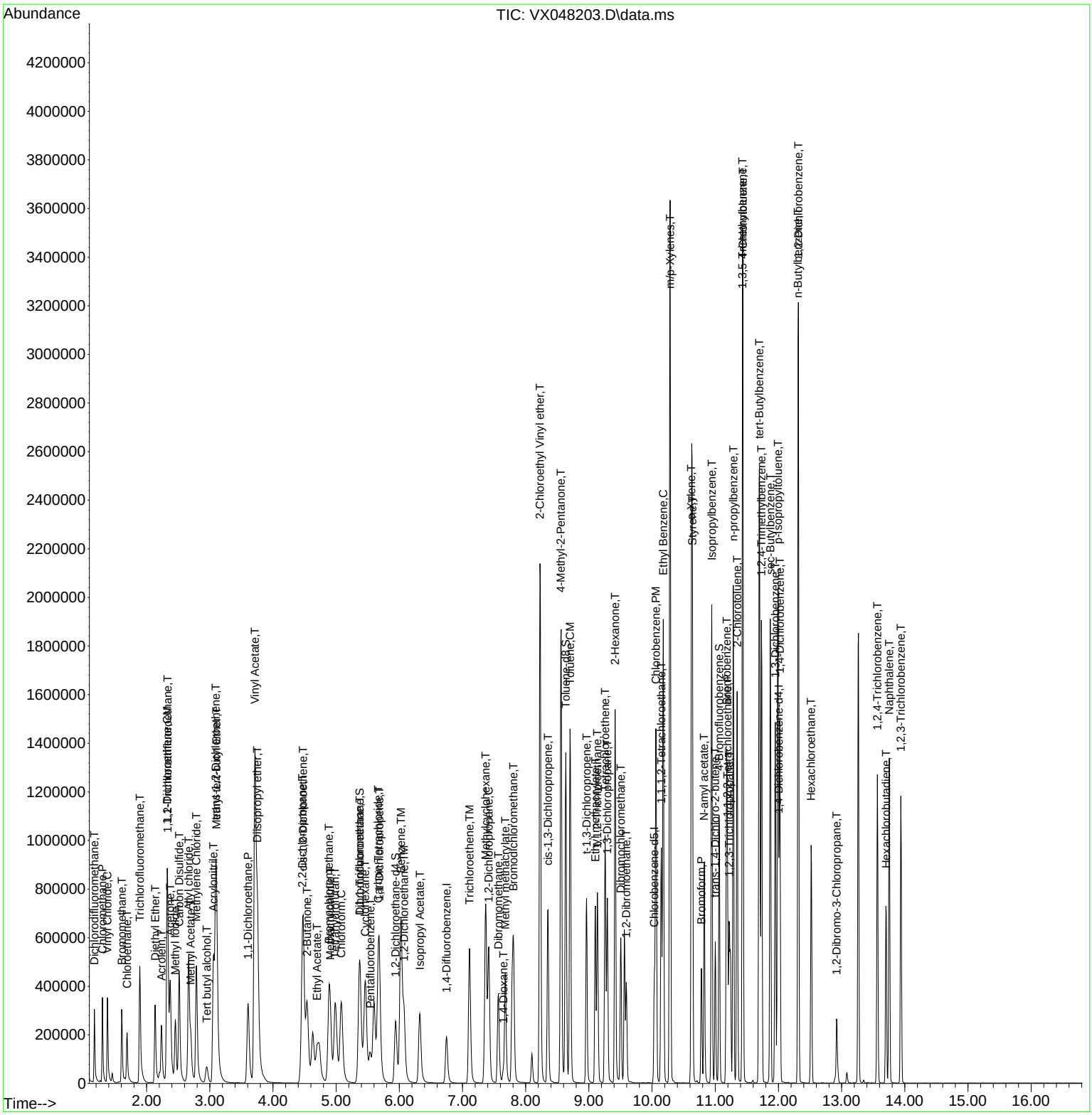
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX101725\
Data File : VX048203.D
Acq On : 17 Oct 2025 10:36
Operator : JC/MD
Sample : VSTDICC150
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Oct 17 23:54:35 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X101725W.M
Quant Title : SW846 8260
QLast Update : Fri Oct 17 23:49:03 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

Reviewed By :John Carlone 10/20/2025
Supervised By :Mahesh Dadoda 10/20/2025



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX101725\
Data File : VX048205.D
Acq On : 17 Oct 2025 12:05
Operator : JC/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
ICVVX101725

Manual Integrations APPROVED

Reviewed By :John Carlone 10/20/2025
Supervised By :Mahesh Dadoda 10/20/2025

Quant Time: Oct 18 00:11:44 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X101725W.M
Quant Title : SW846 8260
QLast Update : Sat Oct 18 00:06:31 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.531	168	156355	50.000	ug/l	-0.01
34) 1,4-Difluorobenzene	6.738	114	244720	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.036	117	219005	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	106969	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.933	65	103755	42.834	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 85.660%			
35) Dibromofluoromethane	5.367	113	89936	52.953	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 105.900%			
50) Toluene-d8	8.628	98	310880	50.808	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 101.620%			
62) 4-Bromofluorobenzene	11.061	95	113751	51.042	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 102.080%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.172	85	73686	44.902	ug/l	98
3) Chloromethane	1.300	50	88801	44.667	ug/l	100
4) Vinyl Chloride	1.379	62	98235	46.893	ug/l	98
5) Bromomethane	1.617	94	65405	46.950	ug/l	99
6) Chloroethane	1.696	64	59980	44.992	ug/l	96
7) Trichlorofluoromethane	1.892	101	149479	45.460	ug/l	98
8) Diethyl Ether	2.135	74	50265	44.816	ug/l	98
9) 1,1,2-Trichlorotrifluo...	2.330	101	86497	46.681	ug/l	98
10) Methyl Iodide	2.452	142	104943	47.285	ug/l	99
11) Tert butyl alcohol	2.934	59	36729	228.526	ug/l	99
12) 1,1-Dichloroethene	2.324	96	86671	47.837	ug/l	89
13) Acrolein	2.233	56	65766m	194.704	ug/l	
14) Allyl chloride	2.660	41	150638	46.221	ug/l	99
15) Acrylonitrile	3.050	53	183048	237.679	ug/l	100
16) Acetone	2.367	43	181655	219.841	ug/l	98
17) Carbon Disulfide	2.513	76	249141	44.693	ug/l	100
18) Methyl Acetate	2.696	43	74357	44.181	ug/l	98
19) Methyl tert-butyl Ether	3.105	73	260919	47.809	ug/l	99
20) Methylene Chloride	2.788	84	92616	46.010	ug/l	99
21) trans-1,2-Dichloroethene	3.086	96	86831	46.325	ug/l	93
22) Diisopropyl ether	3.745	45	302610	47.419	ug/l	99
23) Vinyl Acetate	3.708	43	1160089	243.116	ug/l	100
24) 1,1-Dichloroethane	3.599	63	165401	45.685	ug/l	100
25) 2-Butanone	4.531	43	225805	234.559	ug/l	96
26) 2,2-Dichloropropane	4.464	77	142661	46.100	ug/l	99
27) cis-1,2-Dichloroethene	4.476	96	102088	45.892	ug/l	97
28) Bromochloromethane	4.879	49	83811	50.221	ug/l	99
29) Tetrahydrofuran	4.982	42	133341	235.860	ug/l	99
30) Chloroform	5.068	83	172867	45.352	ug/l	99
31) Cyclohexane	5.458	56	149730	50.544	ug/l	97
32) 1,1,1-Trichloroethane	5.367	97	153064	48.873	ug/l	99
36) 1,1-Dichloropropene	5.677	75	111893	46.767	ug/l	99
37) Ethyl Acetate	4.690	43	97568	51.026	ug/l	99
38) Carbon Tetrachloride	5.659	117	128407	46.757	ug/l	99
39) Methylcyclohexane	7.360	83	140029	51.908	ug/l	97
40) Benzene	6.019	78	350574	49.346	ug/l	99

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX101725\
Data File : VX048205.D
Acq On : 17 Oct 2025 12:05
Operator : JC/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
ICVVX101725

Manual Integrations APPROVED

Reviewed By :John Carlone 10/20/2025
Supervised By :Mahesh Dadoda 10/20/2025

Quant Time: Oct 18 00:11:44 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X101725W.M
Quant Title : SW846 8260
QLast Update : Sat Oct 18 00:06:31 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	4.891	41	54889	53.600	ug/l		99
42) 1,2-Dichloroethane	6.068	62	121006	47.540	ug/l		98
43) Isopropyl Acetate	6.318	43	167171	52.082	ug/l		99
44) Trichloroethene	7.104	130	87333	48.776	ug/l		97
45) 1,2-Dichloropropane	7.409	63	88472	49.205	ug/l		96
46) Dibromomethane	7.561	93	63357	48.973	ug/l		99
47) Bromodichloromethane	7.799	83	137123	49.041	ug/l		98
48) Methyl methacrylate	7.671	41	84299	51.305	ug/l		100
49) 1,4-Dioxane	7.641	88	16652	1125.868	ug/l		97
51) 4-Methyl-2-Pentanone	8.555	43	457688	256.250	ug/l		98
52) Toluene	8.701	92	218354	51.136	ug/l		100
53) t-1,3-Dichloropropene	8.957	75	136059	51.942	ug/l		100
54) cis-1,3-Dichloropropene	8.348	75	147855	51.786	ug/l		99
55) 1,1,2-Trichloroethane	9.134	97	79039	49.609	ug/l		98
56) Ethyl methacrylate	9.098	69	117498	54.222	ug/l		100
57) 1,3-Dichloropropane	9.293	76	138231	49.659	ug/l		98
58) 2-Chloroethyl Vinyl ether	8.220	63	316000	237.458	ug/l		100
59) 2-Hexanone	9.408	43	324396	259.657	ug/l		99
60) Dibromochloromethane	9.500	129	100115	50.202	ug/l		100
61) 1,2-Dibromoethane	9.591	107	81145	49.670	ug/l		99
64) Tetrachloroethene	9.256	164	73778	48.046	ug/l		99
65) Chlorobenzene	10.061	112	237990	49.700	ug/l		98
66) 1,1,1,2-Tetrachloroethane	10.146	131	84693	49.081	ug/l		98
67) Ethyl Benzene	10.177	91	420398	51.209	ug/l		99
68) m/p-Xylenes	10.280	106	316253	103.406	ug/l		99
69) o-Xylene	10.622	106	149640	51.976	ug/l		100
70) Styrene	10.634	104	259319	52.327	ug/l		99
71) Bromoform	10.780	173	62138	49.037	ug/l	#	100
73) Isopropylbenzene	10.945	105	391926	52.678	ug/l		100
74) N-amyl acetate	10.823	43	145987	52.597	ug/l		99
75) 1,1,2,2-Tetrachloroethane	11.195	83	103361	49.039	ug/l		99
76) 1,2,3-Trichloropropane	11.219	75	81768m	50.058	ug/l		
77) Bromobenzene	11.176	156	93338	50.132	ug/l		99
78) n-propylbenzene	11.286	91	473874	52.522	ug/l		99
79) 2-Chlorotoluene	11.347	91	278351	51.064	ug/l		100
80) 1,3,5-Trimethylbenzene	11.432	105	324513	53.137	ug/l		100
81) trans-1,4-Dichloro-2-b...	11.000	75	34576	51.831	ug/l		97
82) 4-Chlorotoluene	11.432	91	334431	52.207	ug/l		100
83) tert-Butylbenzene	11.695	119	319164	51.730	ug/l		100
84) 1,2,4-Trimethylbenzene	11.731	105	325437	53.516	ug/l		100
85) sec-Butylbenzene	11.871	105	395960	52.495	ug/l		99
86) p-Isopropyltoluene	11.987	119	329988	51.902	ug/l		98
87) 1,3-Dichlorobenzene	11.951	146	174040	49.985	ug/l		99
88) 1,4-Dichlorobenzene	12.024	146	176415	48.878	ug/l		99
89) n-Butylbenzene	12.316	91	312594	52.787	ug/l		100
90) Hexachloroethane	12.518	117	63664	47.442	ug/l		97
91) 1,2-Dichlorobenzene	12.316	146	163248	49.624	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	12.920	75	18921	49.127	ug/l		94
93) 1,2,4-Trichlorobenzene	13.566	180	101316	52.170	ug/l		100
94) Hexachlorobutadiene	13.706	225	39285	52.452	ug/l		98
95) Naphthalene	13.755	128	281261	54.943	ug/l		100
96) 1,2,3-Trichlorobenzene	13.938	180	95099	53.075	ug/l		100

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX101725\
Data File : VX048205.D
Acq On : 17 Oct 2025 12:05
Operator : JC/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
ICVVX101725

Manual Integrations APPROVED

Reviewed By :John Carlone 10/20/2025
Supervised By :Mahesh Dadoda 10/20/2025

Quant Time: Oct 18 00:11:44 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X101725W.M
Quant Title : SW846 8260
QLast Update : Sat Oct 18 00:06:31 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\VX101725\
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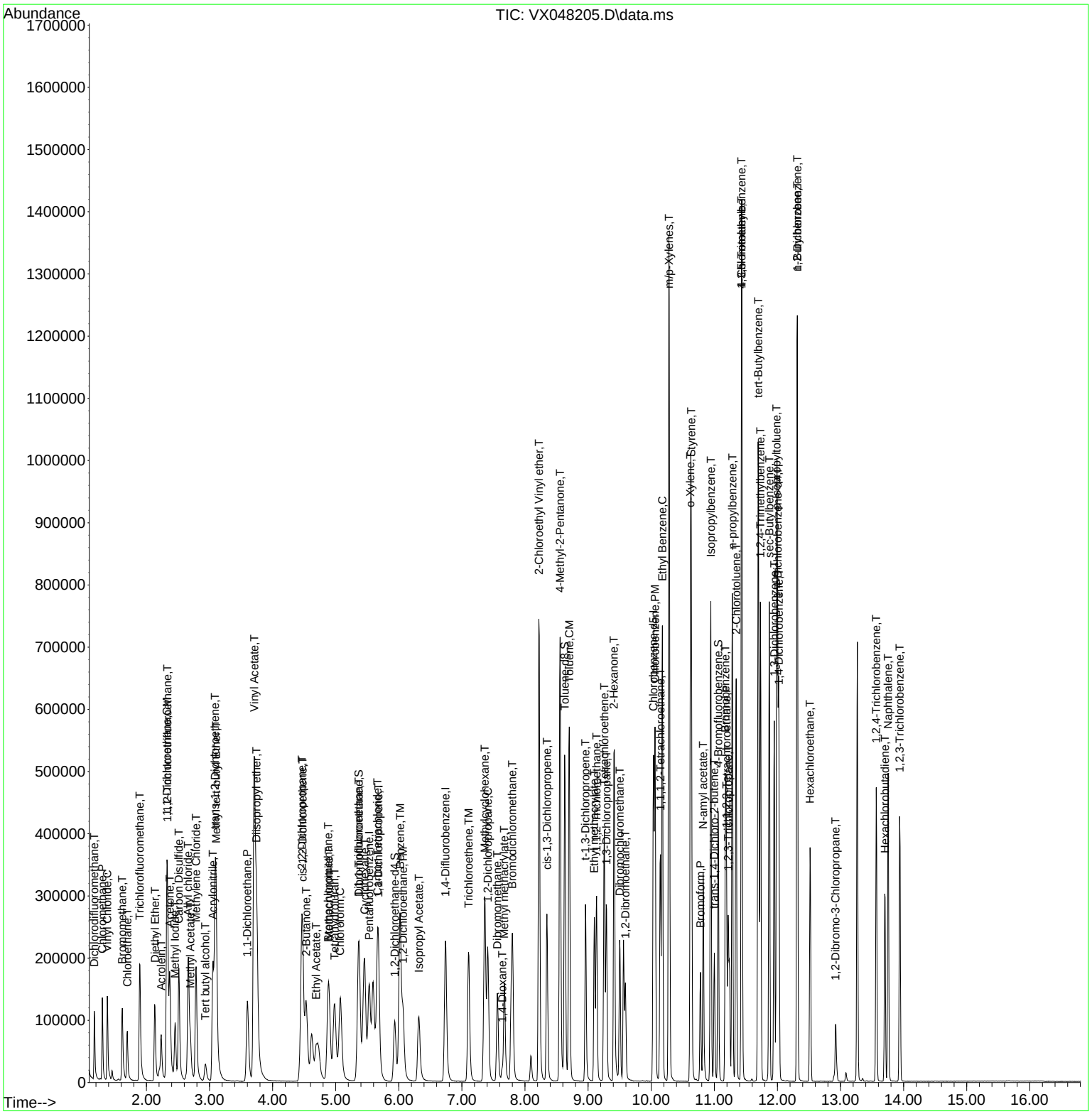
Quant Title : SW846 8260
QLast Update : Sat Oct 18 00:06:31 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
ICVVX101725

Manual Integrations APPROVED

Reviewed By :John Carlone 10/20/2025
Supervised By :Mahesh Dadoda 10/20/2025



Evaluate Continuing Calibration Report

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX101725\
Data File : VX048205.D
Acq On : 17 Oct 2025 12:05
Operator : JC/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
ICVVX101725

Quant Time: Oct 18 00:11:44 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X101725W.M
Quant Title : SW846 8260
QLast Update : Sat Oct 18 00:06:31 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	108	-0.01
2	T	Dichlorodifluoromethane	0.525	0.471	10.3	98	0.00
3	P	Chloromethane	0.636	0.568	10.7	101	0.00
4	C	Vinyl Chloride	0.670	0.628	6.3#	101	0.00
5	T	Bromomethane	0.445	0.418	6.1	104	0.00
6	T	Chloroethane	0.426	0.384	9.9	103	0.00
7	T	Trichlorofluoromethane	1.052	0.956	9.1	100	0.00
8	T	Diethyl Ether	0.359	0.321	10.6	100	0.00
9	T	1,1,2-Trichlorotrifluoroeth	0.593	0.553	6.7	103	0.00
10	T	Methyl Iodide	0.710	0.671	5.5	97	0.00
11	T	Tert butyl alcohol	0.051	0.047	7.8	104	0.00
12	CM	1,1-Dichloroethene	0.579	0.554	4.3#	105	0.00
13	T	Acrolein	0.108	0.084	22.2	91	0.00
14	T	Allyl chloride	1.042	0.963	7.6	102	0.00
15	T	Acrylonitrile	0.246	0.234	4.9	98	0.00
16	T	Acetone	0.264	0.232	12.1	100	0.00
17	T	Carbon Disulfide	1.783	1.593	10.7	99	0.00
18	T	Methyl Acetate	0.538	0.476	11.5	95	0.00
19	T	Methyl tert-butyl Ether	1.745	1.669	4.4	101	0.00
20	T	Methylene Chloride	0.644	0.592	8.1	100	0.00
21	T	trans-1,2-Dichloroethene	0.599	0.555	7.3	98	0.00
22	T	Diisopropyl ether	2.041	1.935	5.2	101	0.00
23	T	Vinyl Acetate	1.526	1.484	2.8	100	0.00
24	P	1,1-Dichloroethane	1.158	1.058	8.6	101	0.00
25	T	2-Butanone	0.308	0.289	6.2	99	0.00
26	T	2,2-Dichloropropane	0.990	0.912	7.9	104	0.00
27	T	cis-1,2-Dichloroethene	0.711	0.653	8.2	99	0.00
28	T	Bromochloromethane	0.534	0.536	-0.4	103	0.00
29	T	Tetrahydrofuran	0.181	0.171	5.5	99	0.00
30	C	Chloroform	1.219	1.106	9.3#	102	-0.01
31	T	Cyclohexane	0.947	0.958	-1.2	112	0.00
32	T	1,1,1-Trichloroethane	1.002	0.979	2.3	109	0.00
33	S	1,2-Dichloroethane-d4	0.775	0.664	14.3	98	0.00
34	I	1,4-Difluorobenzene	1.000	1.000	0.0	105	0.00
35	S	Dibromofluoromethane	0.347	0.368	-6.1	113	0.00
36	T	1,1-Dichloropropene	0.489	0.457	6.5	95	0.00
37	T	Ethyl Acetate	0.391	0.399	-2.0	103	0.00
38	T	Carbon Tetrachloride	0.561	0.525	6.4	95	0.00
39	T	Methylcyclohexane	0.551	0.572	-3.8	104	0.00
40	TM	Benzene	1.452	1.433	1.3	100	0.00
41	T	Methacrylonitrile	0.209	0.224	-7.2	103	-0.01
42	TM	1,2-Dichloroethane	0.520	0.494	5.0	95	0.00
43	T	Isopropyl Acetate	0.656	0.683	-4.1	103	0.00
44	TM	Trichloroethene	0.366	0.357	2.5	102	0.00
45	C	1,2-Dichloropropane	0.367	0.362	1.4#	100	0.00
46	T	Dibromomethane	0.264	0.259	1.9	101	0.00
47	T	Bromodichloromethane	0.571	0.560	1.9	101	0.00
48	T	Methyl methacrylate	0.336	0.344	-2.4	101	0.00

ICAL Form

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Operator : JC/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
ICVVX101725

Quant Time: Oct 18 00:11:44 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X101725W.M
Quant Title : SW846 8260
QLast Update : Sat Oct 18 00:06:31 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	0.003	0.003	0.0	114	0.00
50	S	Toluene-d8	1.250	1.270	-1.6	105	0.00
51	T	4-Methyl-2-Pentanone	0.365	0.374	-2.5	99	0.00
52	CM	Toluene	0.872	0.892	-2.3#	101	0.00
53	T	t-1,3-Dichloropropene	0.535	0.556	-3.9	103	0.00
54	T	cis-1,3-Dichloropropene	0.583	0.604	-3.6	103	0.00
55	T	1,1,2-Trichloroethane	0.326	0.323	0.9	101	0.00
56	T	Ethyl methacrylate	0.443	0.480	-8.4	102	0.00
57	T	1,3-Dichloropropane	0.569	0.565	0.7	100	0.00
58	T	2-Chloroethyl Vinyl ether	0.227	0.258	-13.7	105	0.00
59	T	2-Hexanone	0.255	0.265	-3.9	100	0.00
60	T	Dibromochloromethane	0.407	0.409	-0.5	101	0.00
61	T	1,2-Dibromoethane	0.334	0.332	0.6	100	0.00
62	S	4-Bromofluorobenzene	0.455	0.465	-2.2	108	0.00
63	I	Chlorobenzene-d5	1.000	1.000	0.0	105	0.00
64	T	Tetrachloroethene	0.351	0.337	4.0	101	0.00
65	PM	Chlorobenzene	1.093	1.087	0.5	101	0.00
66	T	1,1,1,2-Tetrachloroethane	0.394	0.387	1.8	103	0.00
67	C	Ethyl Benzene	1.874	1.920	-2.5#	102	0.00
68	T	m/p-Xylenes	0.698	0.722	-3.4	102	0.00
69	T	o-Xylene	0.657	0.683	-4.0	102	0.00
70	T	Styrene	1.131	1.184	-4.7	101	0.00
71	P	Bromoform	0.289	0.284	1.7	100	0.00
72	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	103	0.00
73	T	Isopropylbenzene	3.478	3.664	-5.3	102	0.00
74	T	N-amyl acetate	1.297	1.365	-5.2	101	0.00
75	P	1,1,2,2-Tetrachloroethane	0.985	0.966	1.9	98	0.00
76	T	1,2,3-Trichloropropane	0.764	0.764	0.0	98	0.00
77	T	Bromobenzene	0.870	0.873	-0.3	101	0.00
78	T	n-propylbenzene	4.217	4.430	-5.1	103	0.00
79	T	2-Chlorotoluene	2.548	2.602	-2.1	103	0.00
80	T	1,3,5-Trimethylbenzene	2.855	3.034	-6.3	103	0.00
81	T	trans-1,4-Dichloro-2-butene	0.312	0.323	-3.5	101	0.00
82	T	4-Chlorotoluene	2.994	3.126	-4.4	103	0.00
83	T	tert-Butylbenzene	2.884	2.984	-3.5	104	0.00
84	T	1,2,4-Trimethylbenzene	2.842	3.042	-7.0	103	0.00
85	T	sec-Butylbenzene	3.526	3.702	-5.0	105	0.00
86	T	p-Isopropyltoluene	2.972	3.085	-3.8	101	0.00
87	T	1,3-Dichlorobenzene	1.628	1.627	0.1	100	0.00
88	T	1,4-Dichlorobenzene	1.687	1.649	2.3	99	0.00
89	T	n-Butylbenzene	2.768	2.922	-5.6	103	0.00
90	T	Hexachloroethane	0.627	0.595	5.1	98	0.00
91	T	1,2-Dichlorobenzene	1.538	1.526	0.8	98	0.00
92	T	1,2-Dibromo-3-Chloropropane	0.180	0.177	1.7	108	0.00
93	T	1,2,4-Trichlorobenzene	0.908	0.947	-4.3	104	0.00
94	T	Hexachlorobutadiene	0.350	0.367	-4.9	110	0.00
95	T	Naphthalene	2.393	2.629	-9.9	103	0.00

ICAL Form

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Sample : VSTDICV050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
ICVVX101725

Quant Time: Oct 18 00:11:44 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X101725W.M
Quant Title : SW846 8260
QLast Update : Sat Oct 18 00:06:31 2025
Response via : Initial Calibration

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

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
96 T	1,2,3-Trichlorobenzene	0.838	0.889	-6.1	100	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\VX101725\
Data File : VX048205.D
Acq On : 17 Oct 2025 12:05
Operator : JC/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
ICVVX101725

Quant Time: Oct 18 00:11:44 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X101725W.M
Quant Title : SW846 8260
QLast Update : Sat Oct 18 00:06:31 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	108	-0.01
2	T	Dichlorodifluoromethane	50.000	44.902	10.2	98	0.00
3	P	Chloromethane	50.000	44.667	10.7	101	0.00
4	C	Vinyl Chloride	50.000	46.893	6.2#	101	0.00
5	T	Bromomethane	50.000	46.950	6.1	104	0.00
6	T	Chloroethane	50.000	44.992	10.0	103	0.00
7	T	Trichlorofluoromethane	50.000	45.460	9.1	100	0.00
8	T	Diethyl Ether	50.000	44.816	10.4	100	0.00
9	T	1,1,2-Trichlorotrifluoroeth	50.000	46.681	6.6	103	0.00
10	T	Methyl Iodide	50.000	47.285	5.4	97	0.00
11	T	Tert butyl alcohol	250.000	228.526	8.6	104	0.00
12	CM	1,1-Dichloroethene	50.000	47.837	4.3#	105	0.00
13	T	Acrolein	250.000	194.704	22.1	91	0.00
14	T	Allyl chloride	50.000	46.221	7.6	102	0.00
15	T	Acrylonitrile	250.000	237.679	4.9	98	0.00
16	T	Acetone	250.000	219.841	12.1	100	0.00
17	T	Carbon Disulfide	50.000	44.693	10.6	99	0.00
18	T	Methyl Acetate	50.000	44.181	11.6	95	0.00
19	T	Methyl tert-butyl Ether	50.000	47.809	4.4	101	0.00
20	T	Methylene Chloride	50.000	46.010	8.0	100	0.00
21	T	trans-1,2-Dichloroethene	50.000	46.325	7.3	98	0.00
22	T	Diisopropyl ether	50.000	47.419	5.2	101	0.00
23	T	Vinyl Acetate	250.000	243.116	2.8	100	0.00
24	P	1,1-Dichloroethane	50.000	45.685	8.6	101	0.00
25	T	2-Butanone	250.000	234.559	6.2	99	0.00
26	T	2,2-Dichloropropane	50.000	46.100	7.8	104	0.00
27	T	cis-1,2-Dichloroethene	50.000	45.892	8.2	99	0.00
28	T	Bromochloromethane	50.000	50.221	-0.4	103	0.00
29	T	Tetrahydrofuran	250.000	235.860	5.7	99	0.00
30	C	Chloroform	50.000	45.352	9.3#	102	-0.01
31	T	Cyclohexane	50.000	50.544	-1.1	112	0.00
32	T	1,1,1-Trichloroethane	50.000	48.873	2.3	109	0.00
33	S	1,2-Dichloroethane-d4	50.000	42.834	14.3	98	0.00
34	I	1,4-Difluorobenzene	50.000	50.000	0.0	105	0.00
35	S	Dibromofluoromethane	50.000	52.953	-5.9	113	0.00
36	T	1,1-Dichloropropene	50.000	46.767	6.5	95	0.00
37	T	Ethyl Acetate	50.000	51.026	-2.1	103	0.00
38	T	Carbon Tetrachloride	50.000	46.757	6.5	95	0.00
39	T	Methylcyclohexane	50.000	51.908	-3.8	104	0.00
40	TM	Benzene	50.000	49.346	1.3	100	0.00
41	T	Methacrylonitrile	50.000	53.600	-7.2	103	-0.01
42	TM	1,2-Dichloroethane	50.000	47.540	4.9	95	0.00
43	T	Isopropyl Acetate	50.000	52.082	-4.2	103	0.00
44	TM	Trichloroethene	50.000	48.776	2.4	102	0.00
45	C	1,2-Dichloropropane	50.000	49.205	1.6#	100	0.00
46	T	Dibromomethane	50.000	48.973	2.1	101	0.00
47	T	Bromodichloromethane	50.000	49.041	1.9	101	0.00
48	T	Methyl methacrylate	50.000	51.305	-2.6	101	0.00

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX101725\
Data File : VX048205.D
Acq On : 17 Oct 2025 12:05
Operator : JC/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
ICVVX101725

Quant Time: Oct 18 00:11:44 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X101725W.M
Quant Title : SW846 8260
QLast Update : Sat Oct 18 00:06:31 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	1125.868	-12.6	114	0.00
50	S	Toluene-d8	50.000	50.808	-1.6	105	0.00
51	T	4-Methyl-2-Pentanone	250.000	256.250	-2.5	99	0.00
52	CM	Toluene	50.000	51.136	-2.3#	101	0.00
53	T	t-1,3-Dichloropropene	50.000	51.942	-3.9	103	0.00
54	T	cis-1,3-Dichloropropene	50.000	51.786	-3.6	103	0.00
55	T	1,1,2-Trichloroethane	50.000	49.609	0.8	101	0.00
56	T	Ethyl methacrylate	50.000	54.222	-8.4	102	0.00
57	T	1,3-Dichloropropane	50.000	49.659	0.7	100	0.00
58	T	2-Chloroethyl Vinyl ether	250.000	237.458	5.0	105	0.00
59	T	2-Hexanone	250.000	259.657	-3.9	100	0.00
60	T	Dibromochloromethane	50.000	50.202	-0.4	101	0.00
61	T	1,2-Dibromoethane	50.000	49.670	0.7	100	0.00
62	S	4-Bromofluorobenzene	50.000	51.042	-2.1	108	0.00
63	I	Chlorobenzene-d5	50.000	50.000	0.0	105	0.00
64	T	Tetrachloroethene	50.000	48.046	3.9	101	0.00
65	PM	Chlorobenzene	50.000	49.700	0.6	101	0.00
66	T	1,1,1,2-Tetrachloroethane	50.000	49.081	1.8	103	0.00
67	C	Ethyl Benzene	50.000	51.209	-2.4#	102	0.00
68	T	m/p-Xylenes	100.000	103.406	-3.4	102	0.00
69	T	o-Xylene	50.000	51.976	-4.0	102	0.00
70	T	Styrene	50.000	52.327	-4.7	101	0.00
71	P	Bromoform	50.000	49.037	1.9	100	0.00
72	I	1,4-Dichlorobenzene-d4	50.000	50.000	0.0	103	0.00
73	T	Isopropylbenzene	50.000	52.678	-5.4	102	0.00
74	T	N-amyl acetate	50.000	52.597	-5.2	101	0.00
75	P	1,1,2,2-Tetrachloroethane	50.000	49.039	1.9	98	0.00
76	T	1,2,3-Trichloropropane	50.000	50.058	-0.1	98	0.00
77	T	Bromobenzene	50.000	50.132	-0.3	101	0.00
78	T	n-propylbenzene	50.000	52.522	-5.0	103	0.00
79	T	2-Chlorotoluene	50.000	51.064	-2.1	103	0.00
80	T	1,3,5-Trimethylbenzene	50.000	53.137	-6.3	103	0.00
81	T	trans-1,4-Dichloro-2-butene	50.000	51.831	-3.7	101	0.00
82	T	4-Chlorotoluene	50.000	52.207	-4.4	103	0.00
83	T	tert-Butylbenzene	50.000	51.730	-3.5	104	0.00
84	T	1,2,4-Trimethylbenzene	50.000	53.516	-7.0	103	0.00
85	T	sec-Butylbenzene	50.000	52.495	-5.0	105	0.00
86	T	p-Isopropyltoluene	50.000	51.902	-3.8	101	0.00
87	T	1,3-Dichlorobenzene	50.000	49.985	0.0	100	0.00
88	T	1,4-Dichlorobenzene	50.000	48.878	2.2	99	0.00
89	T	n-Butylbenzene	50.000	52.787	-5.6	103	0.00
90	T	Hexachloroethane	50.000	47.442	5.1	98	0.00
91	T	1,2-Dichlorobenzene	50.000	49.624	0.8	98	0.00
92	T	1,2-Dibromo-3-Chloropropane	50.000	49.127	1.7	108	0.00
93	T	1,2,4-Trichlorobenzene	50.000	52.170	-4.3	104	0.00
94	T	Hexachlorobutadiene	50.000	52.452	-4.9	110	0.00
95	T	Naphthalene	50.000	54.943	-9.9	103	0.00

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX101725\
Data File : VX048205.D
Acq On : 17 Oct 2025 12:05
Operator : JC/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
ICVVX101725

Quant Time: Oct 18 00:11:44 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X101725W.M
Quant Title : SW846 8260
QLast Update : Sat Oct 18 00:06:31 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	53.075	-6.2	100	0.00

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

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

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Alliance | Contract: CORE02

Lab Code: ACE | SDG No.: Q3349

Instrument ID: MSVOA_X | Calibration Date/Time: 10/17/2025 09:55

Lab File ID: VX048201.D | Init. Calib. Date(s): 10/17/2025 10/17/2025

Heated Purge: (Y/N) N | Init. Calib. Time(s): 08:45 10:36

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

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Vinyl Chloride	0.670	0.673		0.45	
1,1-Dichloroethene	0.579	0.569		-1.73	
2-Butanone	0.308	0.314		1.95	
Carbon Tetrachloride	0.561	0.575		2.5	
Chloroform	1.219	1.166		-4.35	
Benzene	1.452	1.497		3.1	
1,2-Dichloroethane	0.520	0.546		5	
Trichloroethene	0.366	0.367		0.27	
Tetrachloroethene	0.351	0.350		-0.28	
Chlorobenzene	1.093	1.125		2.93	
1,2-Dichloroethane-d4	0.775	0.732		-5.55	
Dibromofluoromethane	0.347	0.342		-1.44	
Toluene-d8	1.250	1.262		0.96	
4-Bromofluorobenzene	0.455	0.450		-1.1	

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\VX101725\
Data File : VX048201.D
Acq On : 17 Oct 2025 09:55
Operator : JC/MD
Sample : VSTDICCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Oct 17 23:53:02 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X101725W.M
Quant Title : SW846 8260
QLast Update : Fri Oct 17 23:49:03 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

Reviewed By :John Carlone 10/20/2025
Supervised By :Mahesh Dadoda 10/20/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.544	168	144905	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.745	114	233738	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	208719	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	103673	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.940	65	106047	47.240	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 94.480%			
35) Dibromofluoromethane	5.373	113	79879	49.241	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 98.480%			
50) Toluene-d8	8.635	98	294942	50.468	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 100.940%			
62) 4-Bromofluorobenzene	11.061	95	105186	49.416	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 98.840%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.173	85	74849	49.215	ug/l	100
3) Chloromethane	1.301	50	87915	47.716	ug/l	100
4) Vinyl Chloride	1.380	62	97480	50.210	ug/l	100
5) Bromomethane	1.618	94	62910	49.497	ug/l	100
6) Chloroethane	1.697	64	58491	47.342	ug/l	100
7) Trichlorofluoromethane	1.898	101	149320	49.000	ug/l	100
8) Diethyl Ether	2.136	74	50491	48.574	ug/l	100
9) 1,1,2-Trichlorotrifluo...	2.337	101	84158	49.008	ug/l	100
10) Methyl Iodide	2.459	142	107865	52.442	ug/l	100
11) Tert butyl alcohol	2.941	59	35192	236.264	ug/l	100
12) 1,1-Dichloroethene	2.325	96	82401	49.074	ug/l	100
13) Acrolein	2.233	56	72337	231.080	ug/l	100
14) Allyl chloride	2.666	41	147166	48.724	ug/l	100
15) Acrylonitrile	3.056	53	185879	260.427	ug/l	100
16) Acetone	2.374	43	181892	237.521	ug/l	100
17) Carbon Disulfide	2.514	76	252931	48.958	ug/l	100
18) Methyl Acetate	2.697	43	78566	50.371	ug/l	100
19) Methyl tert-butyl Ether	3.111	73	257848	50.980	ug/l	100
20) Methylene Chloride	2.788	84	92216	49.431	ug/l	100
21) trans-1,2-Dichloroethene	3.093	96	88909	51.182	ug/l	100
22) Diisopropyl ether	3.751	45	298658	50.498	ug/l	100
23) Vinyl Acetate	3.715	43	1154967	261.168	ug/l	100
24) 1,1-Dichloroethane	3.605	63	163290	48.666	ug/l	100
25) 2-Butanone	4.538	43	227696	255.213	ug/l	100
26) 2,2-Dichloropropane	4.465	77	137645	47.994	ug/l	100
27) cis-1,2-Dichloroethene	4.483	96	102610	49.771	ug/l	100
28) Bromochloromethane	4.885	49	81597	52.757	ug/l	100
29) Tetrahydrofuran	4.989	42	134302	256.331	ug/l	100
30) Chloroform	5.080	83	168931	47.821	ug/l	100
31) Cyclohexane	5.458	56	134044	48.824	ug/l	100
32) 1,1,1-Trichloroethane	5.373	97	140456	48.391	ug/l	100
36) 1,1-Dichloropropene	5.684	75	117638	51.478	ug/l	100
37) Ethyl Acetate	4.696	43	94549	51.771	ug/l	100
38) Carbon Tetrachloride	5.666	117	134481	51.270	ug/l	100
39) Methylcyclohexane	7.367	83	134638	52.254	ug/l	100
40) Benzene	6.025	78	349840	51.556	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX101725\
Data File : VX048201.D
Acq On : 17 Oct 2025 09:55
Operator : JC/MD
Sample : VSTDICCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Oct 17 23:53:02 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X101725W.M
Quant Title : SW846 8260
QLast Update : Fri Oct 17 23:49:03 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

Reviewed By :John Carlone 10/20/2025
Supervised By :Mahesh Dadoda 10/20/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	4.904	41	53392	54.588	ug/l		100
42) 1,2-Dichloroethane	6.068	62	127674	52.516	ug/l		100
43) Isopropyl Acetate	6.324	43	162898	53.135	ug/l		100
44) Trichloroethene	7.111	130	85828	50.188	ug/l		100
45) 1,2-Dichloropropane	7.415	63	88167	51.339	ug/l		100
46) Dibromomethane	7.568	93	62671	50.719	ug/l		100
47) Bromodichloromethane	7.806	83	136069	50.951	ug/l		100
48) Methyl methacrylate	7.678	41	83574	53.254	ug/l		100
49) 1,4-Dioxane	7.641	88	14628	1035.490	ug/l		100
51) 4-Methyl-2-Pentanone	8.555	43	461163	270.327	ug/l		100
52) Toluene	8.702	92	216685	53.129	ug/l		100
53) t-1,3-Dichloropropene	8.964	75	132711	53.044	ug/l		100
54) cis-1,3-Dichloropropene	8.348	75	144189	52.875	ug/l		100
55) 1,1,2-Trichloroethane	9.135	97	78292	51.449	ug/l		100
56) Ethyl methacrylate	9.098	69	115491	55.800	ug/l		100
57) 1,3-Dichloropropane	9.293	76	137565	51.742	ug/l		100
58) 2-Chloroethyl Vinyl ether	8.226	63	301874	237.498	ug/l		100
59) 2-Hexanone	9.415	43	323629	271.214	ug/l		100
60) Dibromochloromethane	9.506	129	99180	52.070	ug/l		100
61) 1,2-Dibromoethane	9.592	107	80814	51.792	ug/l		100
64) Tetrachloroethene	9.256	164	73122	49.965	ug/l		100
65) Chlorobenzene	10.061	112	234754	51.440	ug/l		100
66) 1,1,1,2-Tetrachloroethane	10.147	131	82328	50.061	ug/l		100
67) Ethyl Benzene	10.177	91	413167	52.808	ug/l		100
68) m/p-Xylenes	10.287	106	309325	106.125	ug/l		100
69) o-Xylene	10.622	106	146328	53.330	ug/l		100
70) Styrene	10.640	104	257332	54.486	ug/l		100
71) Bromoform	10.781	173	62282	51.573	ug/l	#	100
73) Isopropylbenzene	10.945	105	383184	53.140	ug/l		100
74) N-amyl acetate	10.823	43	143916	53.500	ug/l		100
75) 1,1,2,2-Tetrachloroethane	11.195	83	105230	51.513	ug/l		100
76) 1,2,3-Trichloropropane	11.220	75	83086m	52.482	ug/l		
77) Bromobenzene	11.177	156	92708	51.377	ug/l		100
78) n-propylbenzene	11.287	91	461479	52.775	ug/l		100
79) 2-Chlorotoluene	11.348	91	269780	51.065	ug/l		100
80) 1,3,5-Trimethylbenzene	11.433	105	314287	53.099	ug/l		100
81) trans-1,4-Dichloro-2-b...	11.000	75	34185	52.874	ug/l		100
82) 4-Chlorotoluene	11.433	91	325295	52.395	ug/l		100
83) tert-Butylbenzene	11.695	119	307163	51.367	ug/l		100
84) 1,2,4-Trimethylbenzene	11.732	105	316687	53.732	ug/l		100
85) sec-Butylbenzene	11.872	105	375832	51.411	ug/l		100
86) p-Isopropyltoluene	11.988	119	326853	53.044	ug/l		100
87) 1,3-Dichlorobenzene	11.951	146	174303	51.652	ug/l		100
88) 1,4-Dichlorobenzene	12.024	146	178082	50.909	ug/l		100
89) n-Butylbenzene	12.311	91	302597	52.723	ug/l		100
90) Hexachloroethane	12.518	117	64788	49.815	ug/l		100
91) 1,2-Dichlorobenzene	12.317	146	166224	52.135	ug/l		100
92) 1,2-Dibromo-3-Chloropr...	12.920	75	17468	46.797	ug/l		100
93) 1,2,4-Trichlorobenzene	13.567	180	97102	51.590	ug/l		100
94) Hexachlorobutadiene	13.701	225	35845	49.380	ug/l		100
95) Naphthalene	13.756	128	273763	55.178	ug/l		100
96) 1,2,3-Trichlorobenzene	13.939	180	94728	54.549	ug/l		100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX101725\
Data File : VX048201.D
Acq On : 17 Oct 2025 09:55
Operator : JC/MD
Sample : VSTDICCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

Reviewed By :John Carlone 10/20/2025
Supervised By :Mahesh Dadoda 10/20/2025

Quant Time: Oct 17 23:53:02 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X101725W.M
Quant Title : SW846 8260
QLast Update : Fri Oct 17 23:49:03 2025
Response via : Initial Calibration

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

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

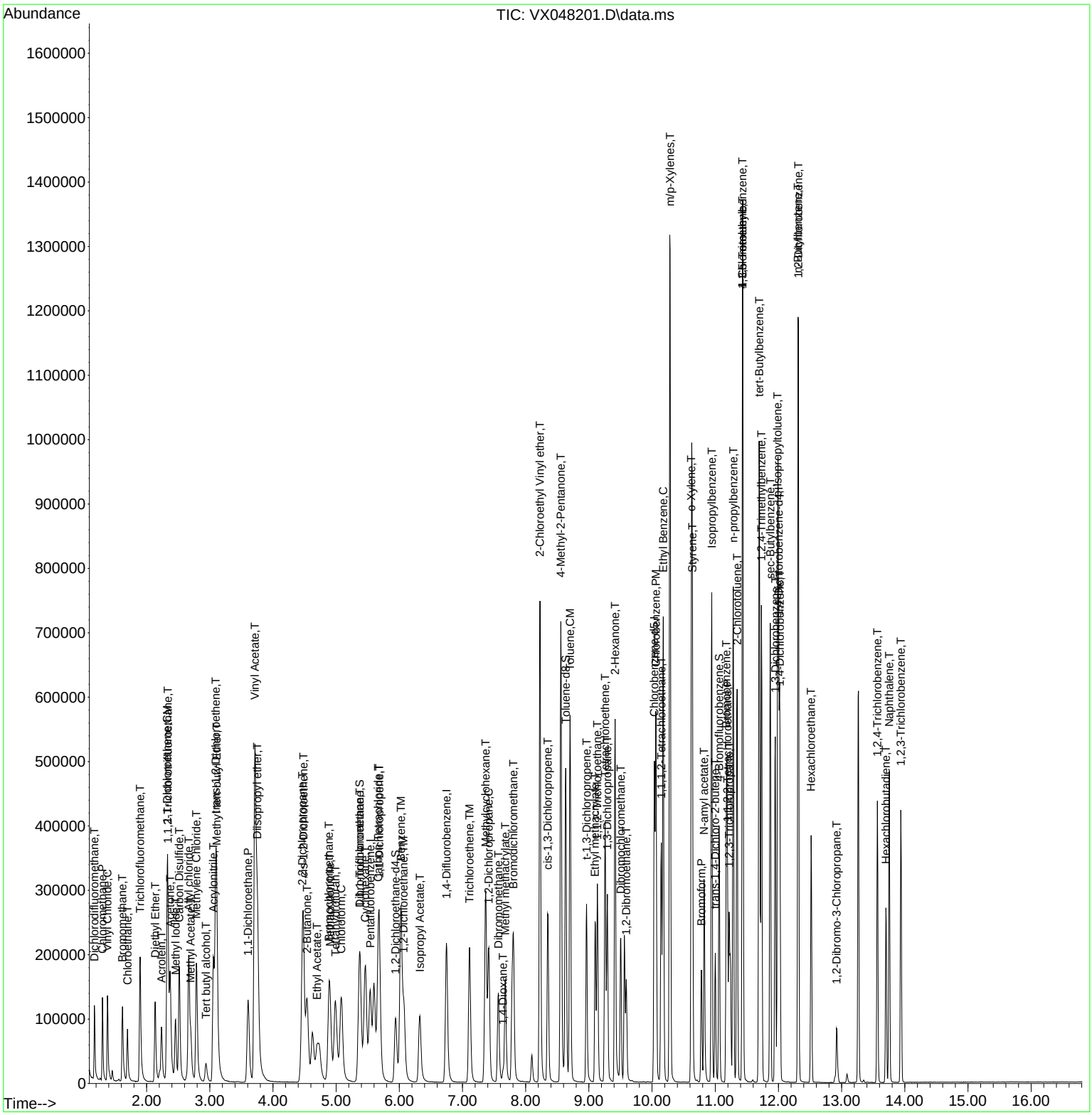
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX101725\
Data File : VX048201.D
Acq On : 17 Oct 2025 09:55
Operator : JC/MD
Sample : VSTDICCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Oct 17 23:53:02 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X101725W.M
Quant Title : SW846 8260
QLast Update : Fri Oct 17 23:49:03 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

Reviewed By :John Carlone 10/20/2025
Supervised By :Mahesh Dadoda 10/20/2025



QC SAMPLE DATA

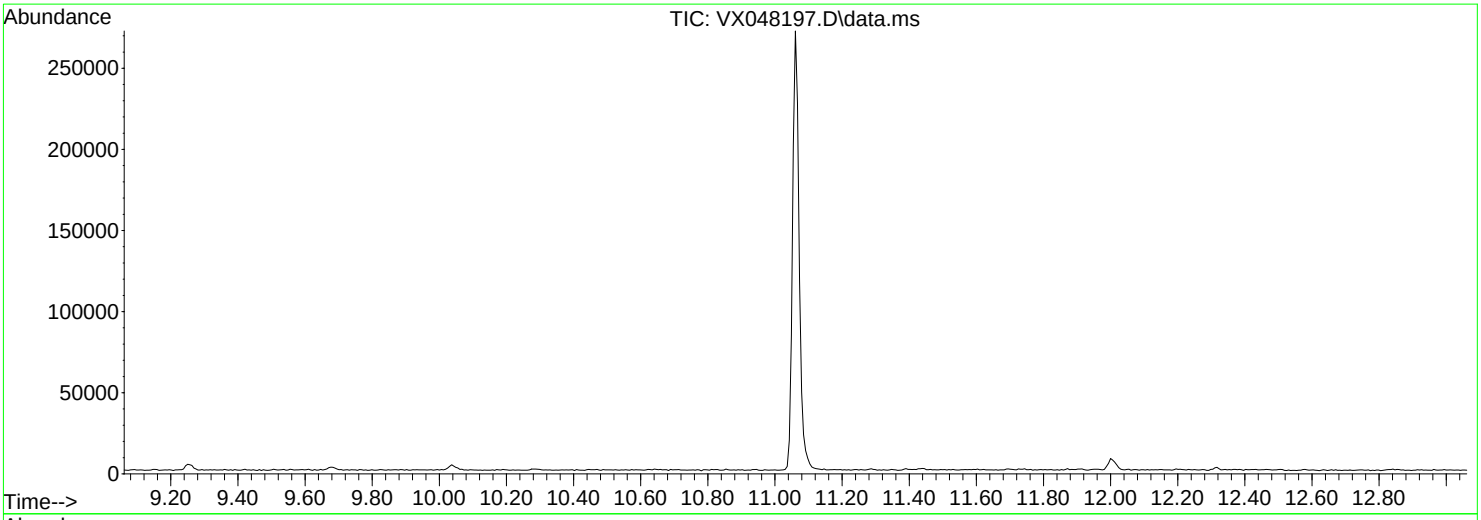
Sample Results: **VX048197.D**

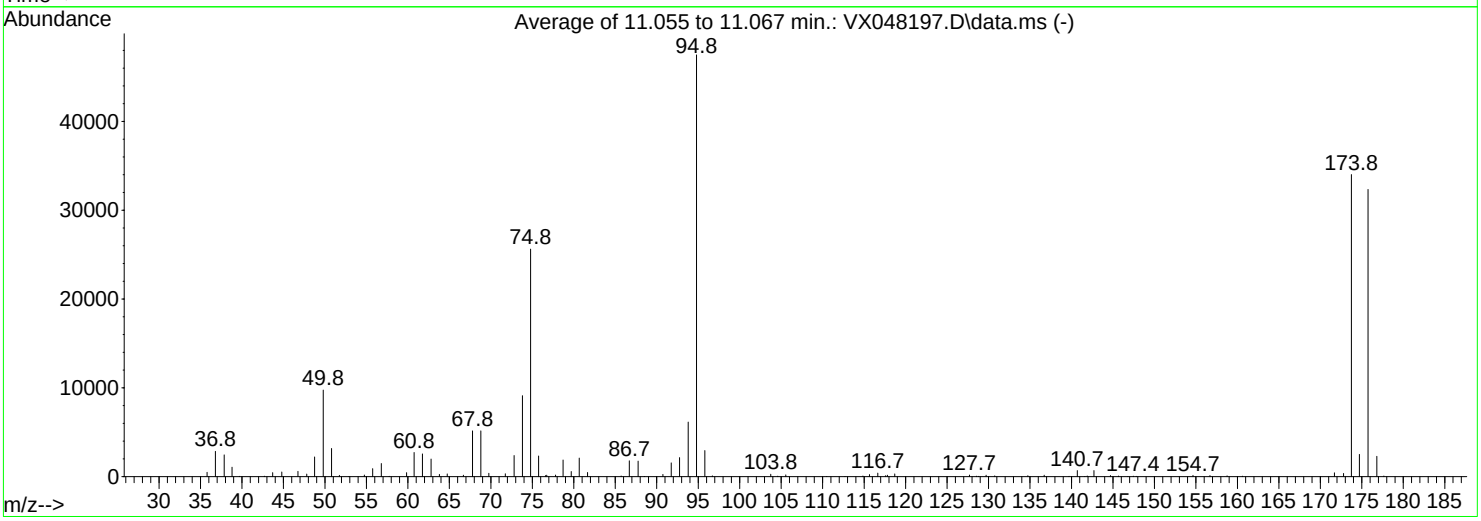
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX101725\
Data File : VX048197.D
Acq On : 17 Oct 2025 08:17
Operator : JC/MD
Sample : BFB
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
BFB

Integration File: RTEINT.P

Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X101725W.M
Title : SW846 8260
Last Update : Sat Oct 18 00:06:31 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	20.5	9750	PASS
75	95	30	60	53.9	25621	PASS
95	95	100	100	100.0	47507	PASS
96	95	5	9	6.2	2932	PASS
173	174	0.00	2	1.1	366	PASS
174	95	50	100	71.6	34021	PASS
175	174	5	9	7.4	2512	PASS
176	174	95	101	95.1	32341	PASS
177	176	5	9	7.1	2282	PASS

Raw Data: **VX048207.D**

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

Report of Analysis

Client:	Core Environmental Consultants and Services, Inc.	Date Collected:	
Project:	NYPA PURS Station	Date Received:	
Client Sample ID:	VX1017WBL01	SDG No.:	Q3349
Lab Sample ID:	VX1017WBL01	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	10/17/25 13:15	VX101725
75-35-4	1,1-Dichloroethene	0.23	U	1	0.23	1.00	ug/L	10/17/25 13:15	VX101725
78-93-3	2-Butanone	0.98	U	1	0.98	5.00	ug/L	10/17/25 13:15	VX101725
56-23-5	Carbon Tetrachloride	0.25	U	1	0.25	1.00	ug/L	10/17/25 13:15	VX101725
67-66-3	Chloroform	0.25	U	1	0.25	1.00	ug/L	10/17/25 13:15	VX101725
71-43-2	Benzene	0.15	U	1	0.15	1.00	ug/L	10/17/25 13:15	VX101725
107-06-2	1,2-Dichloroethane	0.22	U	1	0.22	1.00	ug/L	10/17/25 13:15	VX101725
79-01-6	Trichloroethene	0.090	U	1	0.090	1.00	ug/L	10/17/25 13:15	VX101725
127-18-4	Tetrachloroethene	0.23	U	1	0.23	1.00	ug/L	10/17/25 13:15	VX101725
108-90-7	Chlorobenzene	0.12	U	1	0.12	1.00	ug/L	10/17/25 13:15	VX101725
SURROGATES									
17060-07-0	1,2-Dichloroethane-d4	53.1			74 - 125	106%	SPK: 50		
1868-53-7	Dibromofluoromethane	51.2			75 - 124	102%	SPK: 50		
2037-26-5	Toluene-d8	50.0			86 - 113	100%	SPK: 50		
460-00-4	4-Bromofluorobenzene	59.1			77 - 121	118%	SPK: 50		
INTERNAL STANDARDS		**Area Count**							
363-72-4	Pentafluorobenzene	129000							
540-36-3	1,4-Difluorobenzene	259000							
3114-55-4	Chlorobenzene-d5	275000							
3855-82-1	1,4-Dichlorobenzene-d4	139000							

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\VX101725\
Data File : VX048207.D
Acq On : 17 Oct 2025 13:15
Operator : JC/MD
Sample : VX1017WBL01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX1017WBL01

Quant Time: Oct 18 00:16:45 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X101725W.M
Quant Title : SW846 8260
QLast Update : Sat Oct 18 00:06:31 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.544	168	129436	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.745	114	259480	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	275267	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	138959	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.940	65	106468	53.095	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 106.200%			
35) Dibromofluoromethane	5.373	113	92232	51.216	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 102.440%			
50) Toluene-d8	8.635	98	324667	50.043	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 100.080%			
62) 4-Bromofluorobenzene	11.061	95	139678	59.111	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 118.220%			

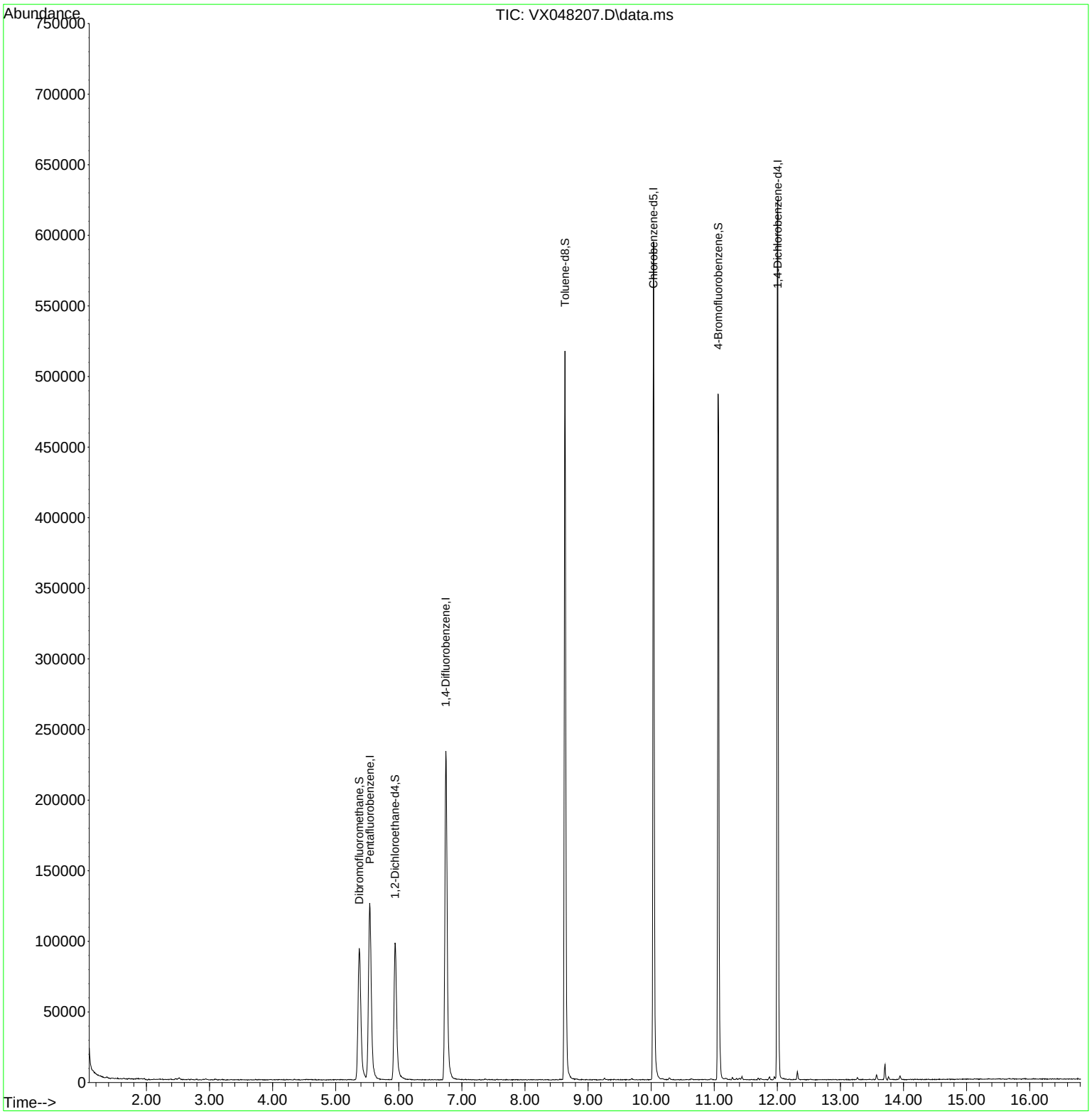
Target Compounds Qvalue

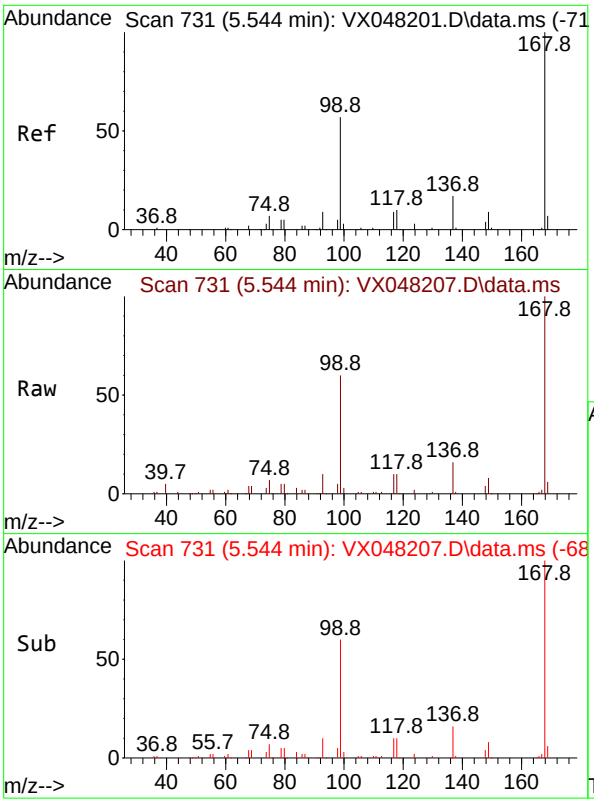
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX101725\
Data File : VX048207.D
Acq On : 17 Oct 2025 13:15
Operator : JC/MD
Sample : VX1017WBL01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX1017WBL01

Quant Time: Oct 18 00:16:45 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X101725W.M
Quant Title : SW846 8260
QLast Update : Sat Oct 18 00:06:31 2025
Response via : Initial Calibration



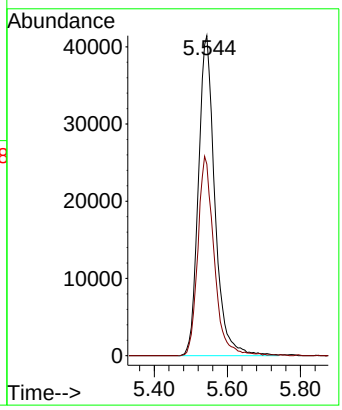


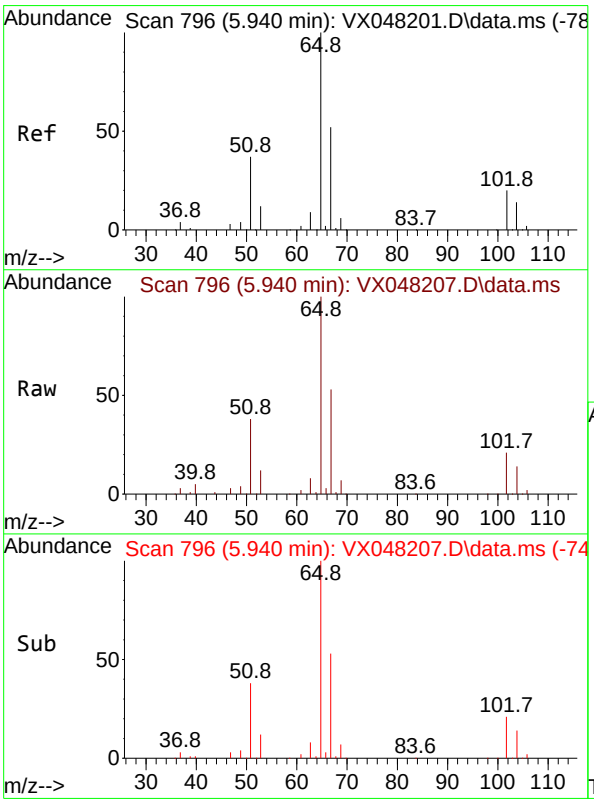
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX048207.D
Acq: 17 Oct 2025 13:15

Instrument :
MSVOA_X
ClientSampleId :
VX1017WBL01

Tgt Ion:168 Resp: 129436

Ion	Ratio	Lower	Upper
168	100		
99	59.9	46.4	69.6

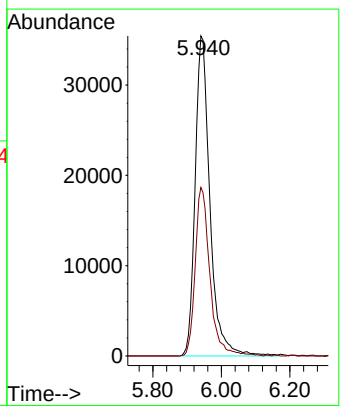


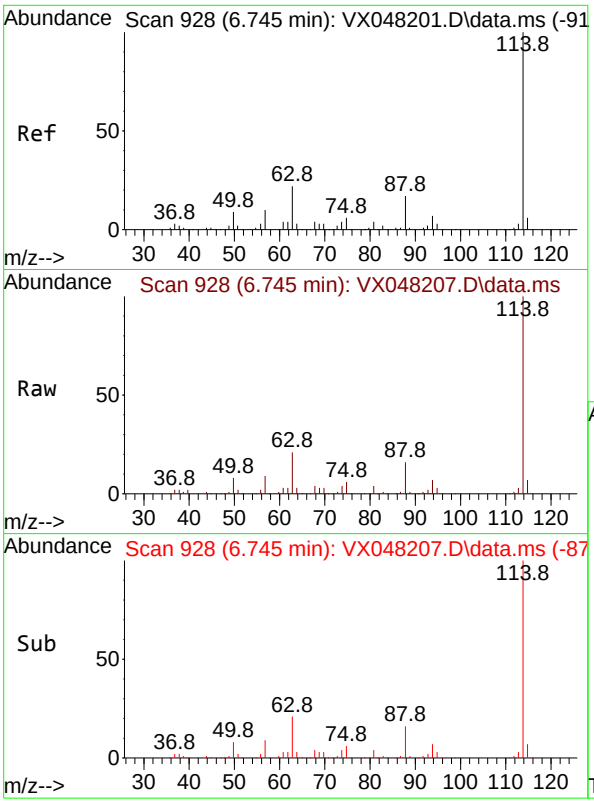


#33
1,2-Dichloroethane-d4
Concen: 53.095 ug/l
RT: 5.940 min Scan# 796
Delta R.T. 0.000 min
Lab File: VX048207.D
Acq: 17 Oct 2025 13:15

Tgt Ion: 65 Resp: 106468

Ion	Ratio	Lower	Upper
65	100		
67	52.3	0.0	105.0



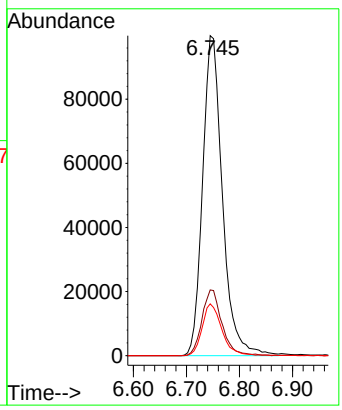


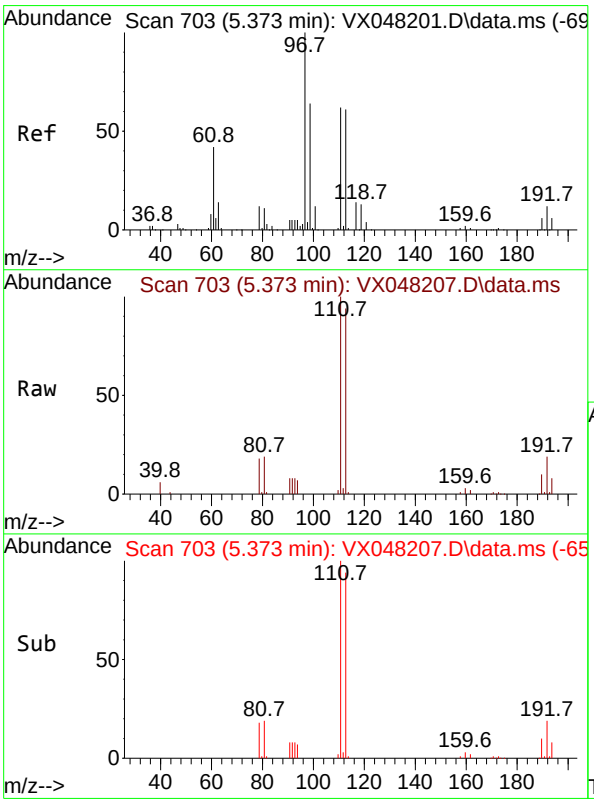
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.745 min Scan# 9
Delta R.T. 0.000 min
Lab File: VX048207.D
Acq: 17 Oct 2025 13:15

Instrument :
MSVOA_X
ClientSampleId :
VX1017WBL01

Tgt Ion:114 Resp: 259480

Ion	Ratio	Lower	Upper
114	100		
63	20.6	0.0	43.2
88	16.2	0.0	33.6

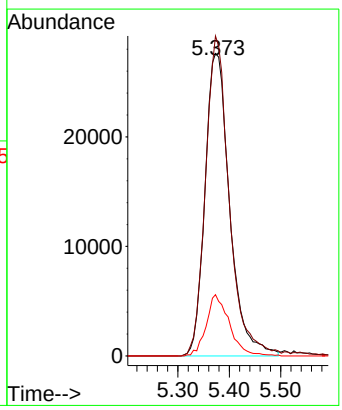


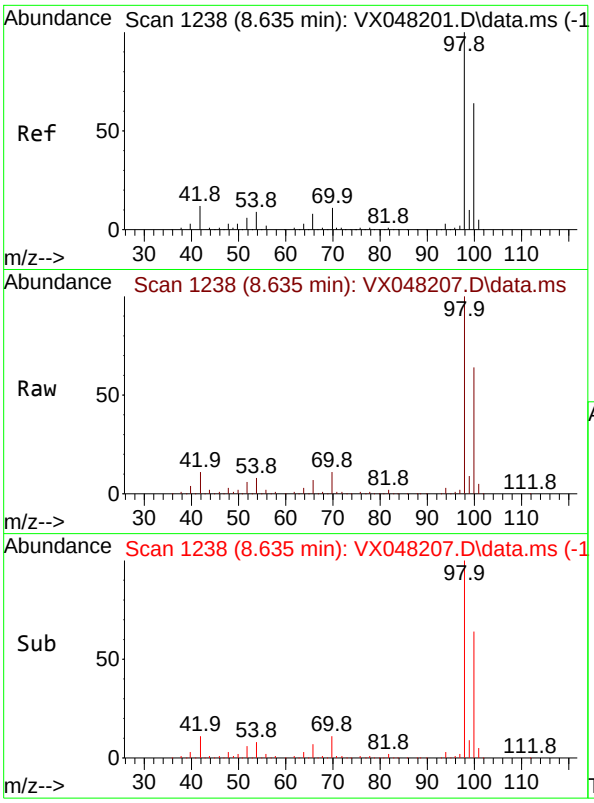


#35
Dibromofluoromethane
Concen: 51.216 ug/l
RT: 5.373 min Scan# 703
Delta R.T. 0.000 min
Lab File: VX048207.D
Acq: 17 Oct 2025 13:15

Tgt Ion:113 Resp: 92232

Ion	Ratio	Lower	Upper
113	100		
111	102.0	82.2	123.4
192	19.0	15.1	22.7



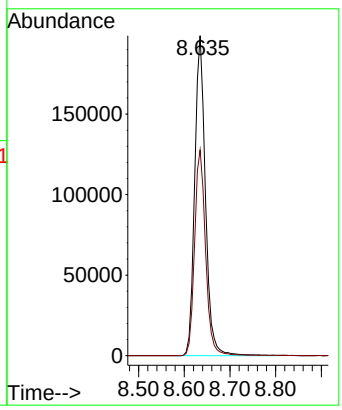


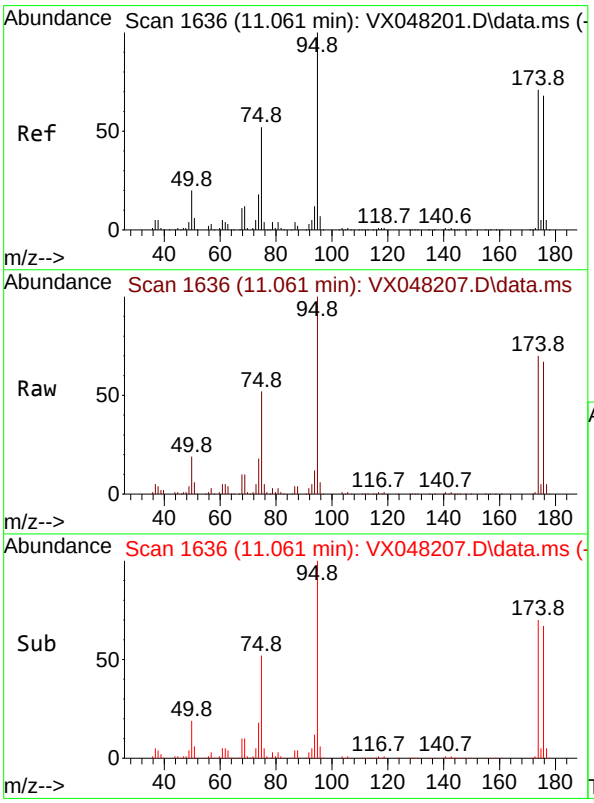
#50
Toluene-d8
Concen: 50.043 ug/l
RT: 8.635 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX048207.D
Acq: 17 Oct 2025 13:15

Instrument :
MSVOA_X
ClientSampleId :
VX1017WBL01

Tgt Ion: 98 Resp: 324667

Ion	Ratio	Lower	Upper
98	100		
100	65.7	53.0	79.4

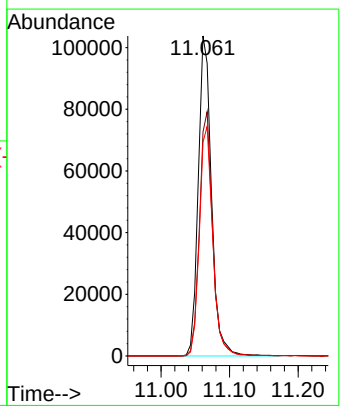


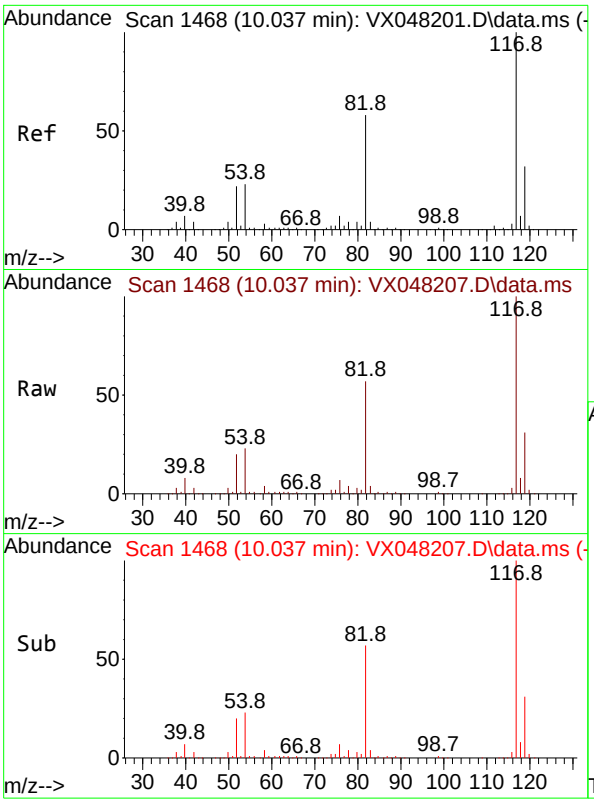


#62
4-Bromofluorobenzene
Concen: 59.111 ug/l
RT: 11.061 min Scan# 1636
Delta R.T. 0.000 min
Lab File: VX048207.D
Acq: 17 Oct 2025 13:15

Tgt Ion: 95 Resp: 139678

Ion	Ratio	Lower	Upper
95	100		
174	75.9	0.0	147.8
176	72.6	0.0	142.8



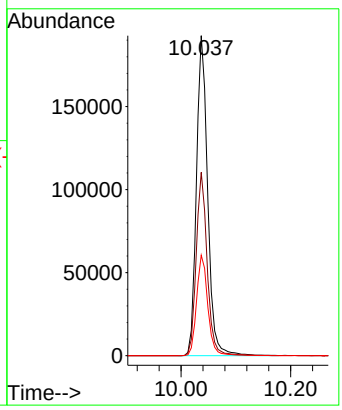


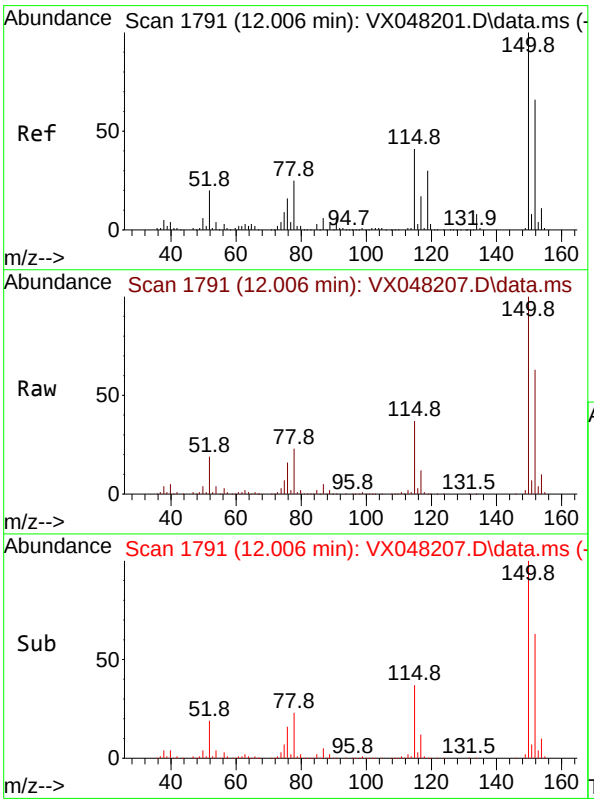
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.037 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX048207.D
Acq: 17 Oct 2025 13:15

Instrument :
MSVOA_X
ClientSampleId :
VX1017WBL01

Tgt Ion:117 Resp: 275267

Ion	Ratio	Lower	Upper
117	100		
82	57.3	46.5	69.7
119	31.4	25.9	38.9

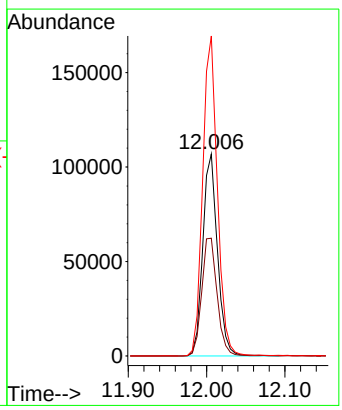




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. 0.000 min
Lab File: VX048207.D
Acq: 17 Oct 2025 13:15

Tgt Ion:152 Resp: 138959

Ion	Ratio	Lower	Upper
152	100		
115	61.3	43.1	129.4
150	158.5	0.0	353.0



Raw Data: **VX048209.D**

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

Report of Analysis

Client:	Core Environmental Consultants and Services, Inc.	Date Collected:	
Project:	NYPA PURS Station	Date Received:	
Client Sample ID:	VX1017WBS01	SDG No.:	Q3349
Lab Sample ID:	VX1017WBS01	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	18.7		1	0.26	1.00	ug/L	10/17/25 14:03	VX101725
75-35-4	1,1-Dichloroethene	19.1		1	0.23	1.00	ug/L	10/17/25 14:03	VX101725
78-93-3	2-Butanone	95.3		1	0.98	5.00	ug/L	10/17/25 14:03	VX101725
56-23-5	Carbon Tetrachloride	19.9		1	0.25	1.00	ug/L	10/17/25 14:03	VX101725
67-66-3	Chloroform	18.2		1	0.25	1.00	ug/L	10/17/25 14:03	VX101725
71-43-2	Benzene	19.5		1	0.15	1.00	ug/L	10/17/25 14:03	VX101725
107-06-2	1,2-Dichloroethane	19.9		1	0.22	1.00	ug/L	10/17/25 14:03	VX101725
79-01-6	Trichloroethene	19.5		1	0.090	1.00	ug/L	10/17/25 14:03	VX101725
127-18-4	Tetrachloroethene	18.9		1	0.23	1.00	ug/L	10/17/25 14:03	VX101725
108-90-7	Chlorobenzene	19.3		1	0.12	1.00	ug/L	10/17/25 14:03	VX101725
SURROGATES									
17060-07-0	1,2-Dichloroethane-d4	43.7			74 - 125	87%	SPK: 50		
1868-53-7	Dibromofluoromethane	51.2			75 - 124	102%	SPK: 50		
2037-26-5	Toluene-d8	48.1			86 - 113	96%	SPK: 50		
460-00-4	4-Bromofluorobenzene	47.9			77 - 121	96%	SPK: 50		
INTERNAL STANDARDS		**Area Count**							
363-72-4	Pentafluorobenzene	157000							
540-36-3	1,4-Difluorobenzene	249000							
3114-55-4	Chlorobenzene-d5	238000							
3855-82-1	1,4-Dichlorobenzene-d4	113000							

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\VX101725\
Data File : VX048209.D
Acq On : 17 Oct 2025 14:03
Operator : JC/MD
Sample : VX1017WBS01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Oct 18 00:17:25 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X101725W.M
Quant Title : SW846 8260
QLast Update : Sat Oct 18 00:06:31 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VX1017WBS01

Manual Integrations APPROVED

Reviewed By :John Carlone 10/20/2025
Supervised By :Mahesh Dadoda 10/20/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.538	168	157010	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.745	114	248908	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	238012	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	112861	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	106326	43.712	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 87.420%			
35) Dibromofluoromethane	5.373	113	88411	51.179	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 102.360%			
50) Toluene-d8	8.635	98	299387	48.107	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 96.220%			
62) 4-Bromofluorobenzene	11.061	95	108470	47.853	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 95.700%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.173	85	30110	18.272	ug/l	95
3) Chloromethane	1.301	50	36990	18.528	ug/l	100
4) Vinyl Chloride	1.380	62	39303	18.683	ug/l	97
5) Bromomethane	1.618	94	26832	19.181	ug/l	85
6) Chloroethane	1.697	64	24006	17.932	ug/l	96
7) Trichlorofluoromethane	1.898	101	58645	17.761	ug/l	99
8) Diethyl Ether	2.136	74	18866	16.751	ug/l	99
9) 1,1,2-Trichlorotrifluo...	2.337	101	36206	19.458	ug/l	97
10) Methyl Iodide	2.459	142	37969	17.036	ug/l	98
11) Tert butyl alcohol	2.941	59	16068	99.557	ug/l	100
12) 1,1-Dichloroethene	2.325	96	34747	19.098	ug/l	97
13) Acrolein	2.240	56	33337	98.285	ug/l	97
14) Allyl chloride	2.666	41	59307	18.122	ug/l	97
15) Acrylonitrile	3.056	53	79131	102.319	ug/l	99
16) Acetone	2.374	43	71466	86.128	ug/l	92
17) Carbon Disulfide	2.514	76	105072	18.770	ug/l	98
18) Methyl Acetate	2.703	43	31977	18.921	ug/l	99
19) Methyl tert-butyl Ether	3.105	73	105416	19.235	ug/l	99
20) Methylene Chloride	2.788	84	37881	18.740	ug/l	97
21) trans-1,2-Dichloroethene	3.093	96	37759	20.061	ug/l	96
22) Diisopropyl ether	3.751	45	119467	18.642	ug/l	98
23) Vinyl Acetate	3.715	43	452806	94.497	ug/l	100
24) 1,1-Dichloroethane	3.605	63	65904	18.127	ug/l	99
25) 2-Butanone	4.538	43	92133	95.306	ug/l	96
26) 2,2-Dichloropropane	4.465	77	54738	17.615	ug/l	100
27) cis-1,2-Dichloroethene	4.483	96	40699	18.219	ug/l	99
28) Bromochloromethane	4.885	49	31672	18.899	ug/l	99
29) Tetrahydrofuran	4.989	42	56880	100.192	ug/l	99
30) Chloroform	5.080	83	69488	18.154	ug/l	98
31) Cyclohexane	5.465	56	62035	20.853	ug/l	98
32) 1,1,1-Trichloroethane	5.373	97	62355	19.827	ug/l	98
36) 1,1-Dichloropropene	5.684	75	48361	19.873	ug/l	97
37) Ethyl Acetate	4.702	43	37880	19.477	ug/l	98
38) Carbon Tetrachloride	5.666	117	55723	19.949	ug/l	95
39) Methylcyclohexane	7.367	83	56194	20.480	ug/l	97
40) Benzene	6.032	78	140774	19.481	ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX101725\
Data File : VX048209.D
Acq On : 17 Oct 2025 14:03
Operator : JC/MD
Sample : VX1017WBS01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Oct 18 00:17:25 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X101725W.M
Quant Title : SW846 8260
QLast Update : Sat Oct 18 00:06:31 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VX1017WBS01

Manual Integrations APPROVED

Reviewed By :John Carlone 10/20/2025
Supervised By :Mahesh Dadoda 10/20/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	4.910	41	21229	20.382	ug/l		99
42) 1,2-Dichloroethane	6.080	62	51600	19.931	ug/l		100
43) Isopropyl Acetate	6.324	43	65065	19.930	ug/l		99
44) Trichloroethene	7.111	130	35571	19.532	ug/l		96
45) 1,2-Dichloropropane	7.415	63	35357	19.333	ug/l		98
46) Dibromomethane	7.568	93	25130	19.098	ug/l		99
47) Bromodichloromethane	7.806	83	54902	19.305	ug/l		97
48) Methyl methacrylate	7.678	41	32876	19.672	ug/l		99
49) 1,4-Dioxane	7.647	88	6796	451.757	ug/l		97
51) 4-Methyl-2-Pentanone	8.555	43	191122	105.205	ug/l		99
52) Toluene	8.702	92	87476	20.141	ug/l		99
53) t-1,3-Dichloropropene	8.964	75	51564	19.354	ug/l		98
54) cis-1,3-Dichloropropene	8.354	75	56663	19.512	ug/l		99
55) 1,1,2-Trichloroethane	9.135	97	33335	20.571	ug/l		98
56) Ethyl methacrylate	9.104	69	47159	21.397	ug/l		99
57) 1,3-Dichloropropane	9.293	76	57528	20.319	ug/l		97
58) 2-Chloroethyl Vinyl ether	8.226	63	136897	109.367	ug/l		99
59) 2-Hexanone	9.415	43	129529	101.935	ug/l		98
60) Dibromochloromethane	9.506	129	41679	20.548	ug/l		99
61) 1,2-Dibromoethane	9.592	107	34752	20.914	ug/l		98
64) Tetrachloroethene	9.257	164	31547	18.903	ug/l		97
65) Chlorobenzene	10.061	112	100187	19.252	ug/l		99
66) 1,1,1,2-Tetrachloroethane	10.147	131	35260	18.802	ug/l		99
67) Ethyl Benzene	10.177	91	172737	19.361	ug/l		99
68) m/p-Xylenes	10.287	106	131393	39.531	ug/l		100
69) o-Xylene	10.622	106	62181	19.873	ug/l		97
70) Styrene	10.640	104	107727	20.002	ug/l		100
71) Bromoform	10.781	173	26139	18.981	ug/l	#	98
73) Isopropylbenzene	10.945	105	155506	19.810	ug/l		99
74) N-amyl acetate	10.823	43	58589	20.007	ug/l		99
75) 1,1,2,2-Tetrachloroethane	11.195	83	42974	19.324	ug/l		98
76) 1,2,3-Trichloropropane	11.220	75	33224m	19.278	ug/l		
77) Bromobenzene	11.177	156	36894	18.781	ug/l		98
78) n-propylbenzene	11.287	91	188796	19.833	ug/l		99
79) 2-Chlorotoluene	11.348	91	111935	19.463	ug/l		99
80) 1,3,5-Trimethylbenzene	11.433	105	128993	20.019	ug/l		100
81) trans-1,4-Dichloro-2-b...	11.000	75	12898	18.325	ug/l		95
82) 4-Chlorotoluene	11.433	91	132212	19.562	ug/l		99
83) tert-Butylbenzene	11.695	119	129716	19.927	ug/l		98
84) 1,2,4-Trimethylbenzene	11.732	105	129055	20.114	ug/l		99
85) sec-Butylbenzene	11.872	105	162650	20.438	ug/l		99
86) p-Isopropyltoluene	11.994	119	136589	20.362	ug/l		99
87) 1,3-Dichlorobenzene	11.951	146	69779	18.994	ug/l		99
88) 1,4-Dichlorobenzene	12.024	146	71568	18.794	ug/l		98
89) n-Butylbenzene	12.317	91	124016	19.849	ug/l		100
90) Hexachloroethane	12.518	117	26380	18.632	ug/l		99
91) 1,2-Dichlorobenzene	12.317	146	65429	18.851	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	12.927	75	7737	19.040	ug/l		95
93) 1,2,4-Trichlorobenzene	13.567	180	39156	19.110	ug/l		99
94) Hexachlorobutadiene	13.707	225	16336	20.672	ug/l		97
95) Naphthalene	13.756	128	105740	19.577	ug/l		100
96) 1,2,3-Trichlorobenzene	13.939	180	36752	19.441	ug/l		98

Sample Results: **VX048209.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX101725\
Data File : VX048209.D
Acq On : 17 Oct 2025 14:03
Operator : JC/MD
Sample : VX1017WBS01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Oct 18 00:17:25 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X101725W.M
Quant Title : SW846 8260
QLast Update : Sat Oct 18 00:06:31 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VX1017WBS01

Manual Integrations APPROVED

Reviewed By :John Carlone 10/20/2025
Supervised By :Mahesh Dadoda 10/20/2025

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

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

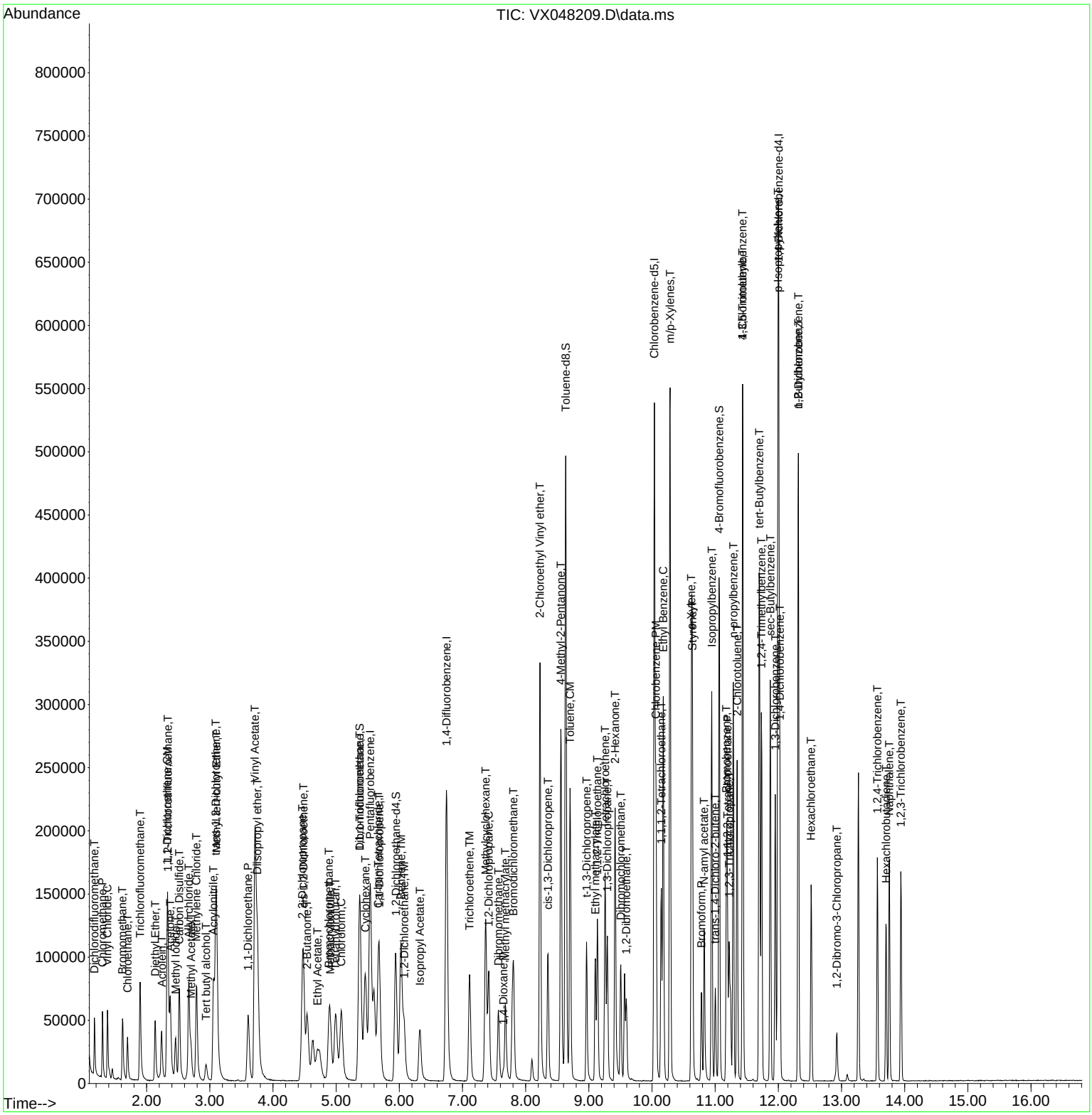
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX101725\
Data File : VX048209.D
Acq On : 17 Oct 2025 14:03
Operator : JC/MD
Sample : VX1017WBS01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Oct 18 00:17:25 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X101725W.M
Quant Title : SW846 8260
QLast Update : Sat Oct 18 00:06:31 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VX1017WBS01

Manual Integrations APPROVED

Reviewed By :John Carlone 10/20/2025
Supervised By :Mahesh Dadoda 10/20/2025



Raw Data: **VX048210.D**

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

Report of Analysis

Client:	Core Environmental Consultants and Services, Inc.	Date Collected:	
Project:	NYPA PURS Station	Date Received:	
Client Sample ID:	VX1017WBSD01	SDG No.:	Q3349
Lab Sample ID:	VX1017WBSD01	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	18.5		1	0.26	1.00	ug/L	10/17/25 14:30	VX101725
75-35-4	1,1-Dichloroethene	18.5		1	0.23	1.00	ug/L	10/17/25 14:30	VX101725
78-93-3	2-Butanone	96.7		1	0.98	5.00	ug/L	10/17/25 14:30	VX101725
56-23-5	Carbon Tetrachloride	19.7		1	0.25	1.00	ug/L	10/17/25 14:30	VX101725
67-66-3	Chloroform	18.5		1	0.25	1.00	ug/L	10/17/25 14:30	VX101725
71-43-2	Benzene	19.2		1	0.15	1.00	ug/L	10/17/25 14:30	VX101725
107-06-2	1,2-Dichloroethane	20.5		1	0.22	1.00	ug/L	10/17/25 14:30	VX101725
79-01-6	Trichloroethene	18.5		1	0.090	1.00	ug/L	10/17/25 14:30	VX101725
127-18-4	Tetrachloroethene	18.9		1	0.23	1.00	ug/L	10/17/25 14:30	VX101725
108-90-7	Chlorobenzene	19.3		1	0.12	1.00	ug/L	10/17/25 14:30	VX101725
SURROGATES									
17060-07-0	1,2-Dichloroethane-d4	45.5			74 - 125	91%	SPK: 50		
1868-53-7	Dibromofluoromethane	50.6			75 - 124	101%	SPK: 50		
2037-26-5	Toluene-d8	47.7			86 - 113	95%	SPK: 50		
460-00-4	4-Bromofluorobenzene	48.3			77 - 121	97%	SPK: 50		
INTERNAL STANDARDS		**Area Count**							
363-72-4	Pentafluorobenzene	149000							
540-36-3	1,4-Difluorobenzene	237000							
3114-55-4	Chlorobenzene-d5	229000							
3855-82-1	1,4-Dichlorobenzene-d4	106000							

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

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

Sample Results: **VX048210.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX101725\
Data File : VX048210.D
Acq On : 17 Oct 2025 14:30
Operator : JC/MD
Sample : VX1017WBSD01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Oct 18 00:18:10 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X101725W.M
Quant Title : SW846 8260
QLast Update : Sat Oct 18 00:06:31 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VX1017WBSD01

Manual Integrations APPROVED

Reviewed By :John Carlone 10/20/2025
Supervised By :Mahesh Dadoda 10/20/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.531	168	149269	50.000	ug/l	-0.01
34) 1,4-Difluorobenzene	6.745	114	237242	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	228640	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.000	152	106057	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.934	65	105155	45.473	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 90.940%			
35) Dibromofluoromethane	5.367	113	83356	50.626	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 101.260%			
50) Toluene-d8	8.628	98	282984	47.707	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 95.420%			
62) 4-Bromofluorobenzene	11.061	95	104268	48.261	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 96.520%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.172	85	27419	17.501	ug/l	100
3) Chloromethane	1.300	50	33301	17.546	ug/l	99
4) Vinyl Chloride	1.380	62	37066	18.534	ug/l	100
5) Bromomethane	1.617	94	24571	18.475	ug/l	98
6) Chloroethane	1.697	64	22000	17.286	ug/l	91
7) Trichlorofluoromethane	1.898	101	55934	17.818	ug/l	99
8) Diethyl Ether	2.136	74	19457	18.171	ug/l	100
9) 1,1,2-Trichlorotrifluo...	2.331	101	33120	18.723	ug/l	99
10) Methyl Iodide	2.453	142	37322	17.615	ug/l	100
11) Tert butyl alcohol	2.934	59	15388	100.288	ug/l	98
12) 1,1-Dichloroethene	2.325	96	31941	18.466	ug/l	89
13) Acrolein	2.233	56	33813	104.858	ug/l	99
14) Allyl chloride	2.666	41	55279	17.767	ug/l	99
15) Acrylonitrile	3.056	53	71563	97.332	ug/l	99
16) Acetone	2.373	43	66028	83.701	ug/l	99
17) Carbon Disulfide	2.514	76	98316	18.474	ug/l	100
18) Methyl Acetate	2.697	43	31501	19.606	ug/l	99
19) Methyl tert-butyl Ether	3.105	73	98011	18.811	ug/l	100
20) Methylene Chloride	2.788	84	35112	18.271	ug/l	97
21) trans-1,2-Dichloroethene	3.087	96	32974	18.427	ug/l	98
22) Diisopropyl ether	3.745	45	116053	19.049	ug/l	96
23) Vinyl Acetate	3.709	43	441108	96.830	ug/l	100
24) 1,1-Dichloroethane	3.605	63	61245	17.719	ug/l	100
25) 2-Butanone	4.538	43	88866	96.693	ug/l	100
26) 2,2-Dichloropropane	4.465	77	51376	17.390	ug/l	97
27) cis-1,2-Dichloroethene	4.477	96	38653	18.201	ug/l	99
28) Bromochloromethane	4.879	49	29911	18.774	ug/l #	15
29) Tetrahydrofuran	4.983	42	54944	101.801	ug/l	99
30) Chloroform	5.074	83	67254	18.482	ug/l	96
31) Cyclohexane	5.452	56	57369	20.285	ug/l	99
32) 1,1,1-Trichloroethane	5.367	97	57409	19.201	ug/l	100
36) 1,1-Dichloropropene	5.678	75	45818	19.754	ug/l	97
37) Ethyl Acetate	4.690	43	37917	20.455	ug/l	99
38) Carbon Tetrachloride	5.659	117	52524	19.729	ug/l	99
39) Methylcyclohexane	7.360	83	52148	19.940	ug/l	97
40) Benzene	6.019	78	132231	19.199	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX101725\
Data File : VX048210.D
Acq On : 17 Oct 2025 14:30
Operator : JC/MD
Sample : VX1017WBSD01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Oct 18 00:18:10 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X101725W.M
Quant Title : SW846 8260
QLast Update : Sat Oct 18 00:06:31 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VX1017WBSD01

Manual Integrations APPROVED

Reviewed By :John Carlone 10/20/2025
Supervised By :Mahesh Dadoda 10/20/2025

Compound	R.T.	QIon	Response	Conc Units		Dev(Min)
41) Methacrylonitrile	4.897	41	21715	21.873 ug/l		96
42) 1,2-Dichloroethane	6.068	62	50652	20.527 ug/l		98
43) Isopropyl Acetate	6.318	43	64759	20.812 ug/l		99
44) Trichloroethene	7.104	130	32186	18.543 ug/l		99
45) 1,2-Dichloropropane	7.409	63	34358	19.711 ug/l		98
46) Dibromomethane	7.562	93	24436	19.484 ug/l		99
47) Bromodichloromethane	7.805	83	52721	19.450 ug/l		99
48) Methyl methacrylate	7.677	41	32241	20.241 ug/l		100
49) 1,4-Dioxane	7.647	88	6498	453.188 ug/l		99
51) 4-Methyl-2-Pentanone	8.555	43	185611	107.196 ug/l		98
52) Toluene	8.702	92	82783	19.998 ug/l		98
53) t-1,3-Dichloropropene	8.964	75	52023	20.486 ug/l		100
54) cis-1,3-Dichloropropene	8.348	75	54705	19.764 ug/l		97
55) 1,1,2-Trichloroethane	9.134	97	31705	20.527 ug/l		96
56) Ethyl methacrylate	9.098	69	44811	21.331 ug/l		98
57) 1,3-Dichloropropane	9.293	76	56487	20.932 ug/l		99
58) 2-Chloroethyl Vinyl ether	8.226	63	133937	111.884 ug/l		99
59) 2-Hexanone	9.415	43	128963	106.480 ug/l		99
60) Dibromochloromethane	9.500	129	40963	21.188 ug/l		100
61) 1,2-Dibromoethane	9.592	107	33432	21.109 ug/l		100
64) Tetrachloroethene	9.256	164	30309	18.906 ug/l		97
65) Chlorobenzene	10.061	112	96601	19.323 ug/l		96
66) 1,1,1,2-Tetrachloroethane	10.146	131	31861	17.686 ug/l		97
67) Ethyl Benzene	10.177	91	156142	18.218 ug/l		99
68) m/p-Xylenes	10.281	106	118677	37.169 ug/l		99
69) o-Xylene	10.622	106	55469	18.455 ug/l		100
70) Styrene	10.640	104	98423	19.024 ug/l		100
71) Bromoform	10.780	173	24901	18.823 ug/l	#	100
73) Isopropylbenzene	10.945	105	146767	19.896 ug/l		100
74) N-amyl acetate	10.823	43	55631	20.216 ug/l		99
75) 1,1,2,2-Tetrachloroethane	11.195	83	41929	20.064 ug/l		100
76) 1,2,3-Trichloropropane	11.219	75	32967m	20.356 ug/l		
77) Bromobenzene	11.177	156	36037	19.522 ug/l		99
78) n-propylbenzene	11.286	91	177578	19.851 ug/l		100
79) 2-Chlorotoluene	11.347	91	106673	19.738 ug/l		99
80) 1,3,5-Trimethylbenzene	11.433	105	121961	20.142 ug/l		99
81) trans-1,4-Dichloro-2-b...	11.000	75	12534	18.951 ug/l		97
82) 4-Chlorotoluene	11.433	91	126552	19.926 ug/l		99
83) tert-Butylbenzene	11.695	119	122893	20.090 ug/l		97
84) 1,2,4-Trimethylbenzene	11.732	105	122765	20.361 ug/l		98
85) sec-Butylbenzene	11.872	105	151659	20.279 ug/l		98
86) p-Isopropyltoluene	11.988	119	125345	19.884 ug/l		98
87) 1,3-Dichlorobenzene	11.951	146	67127	19.445 ug/l		99
88) 1,4-Dichlorobenzene	12.024	146	67580	18.885 ug/l		96
89) n-Butylbenzene	12.311	91	116756	19.886 ug/l		99
90) Hexachloroethane	12.518	117	24619	18.504 ug/l		100
91) 1,2-Dichlorobenzene	12.317	146	63040	19.328 ug/l		99
92) 1,2-Dibromo-3-Chloropr...	12.920	75	7742	20.275 ug/l		89
93) 1,2,4-Trichlorobenzene	13.567	180	37185	19.312 ug/l		99
94) Hexachlorobutadiene	13.707	225	15714	21.161 ug/l		96
95) Naphthalene	13.756	128	103923	20.475 ug/l		99
96) 1,2,3-Trichlorobenzene	13.938	180	36419	20.500 ug/l		98

Sample Results: **VX048210.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX101725\
Data File : VX048210.D
Acq On : 17 Oct 2025 14:30
Operator : JC/MD
Sample : VX1017WBSD01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX1017WBSD01

Manual Integrations APPROVED

Reviewed By :John Carlone 10/20/2025
Supervised By :Mahesh Dadoda 10/20/2025

Quant Time: Oct 18 00:18:10 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X101725W.M
Quant Title : SW846 8260
QLast Update : Sat Oct 18 00:06:31 2025
Response via : Initial Calibration

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

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

Sample Results: **VX048210.D**

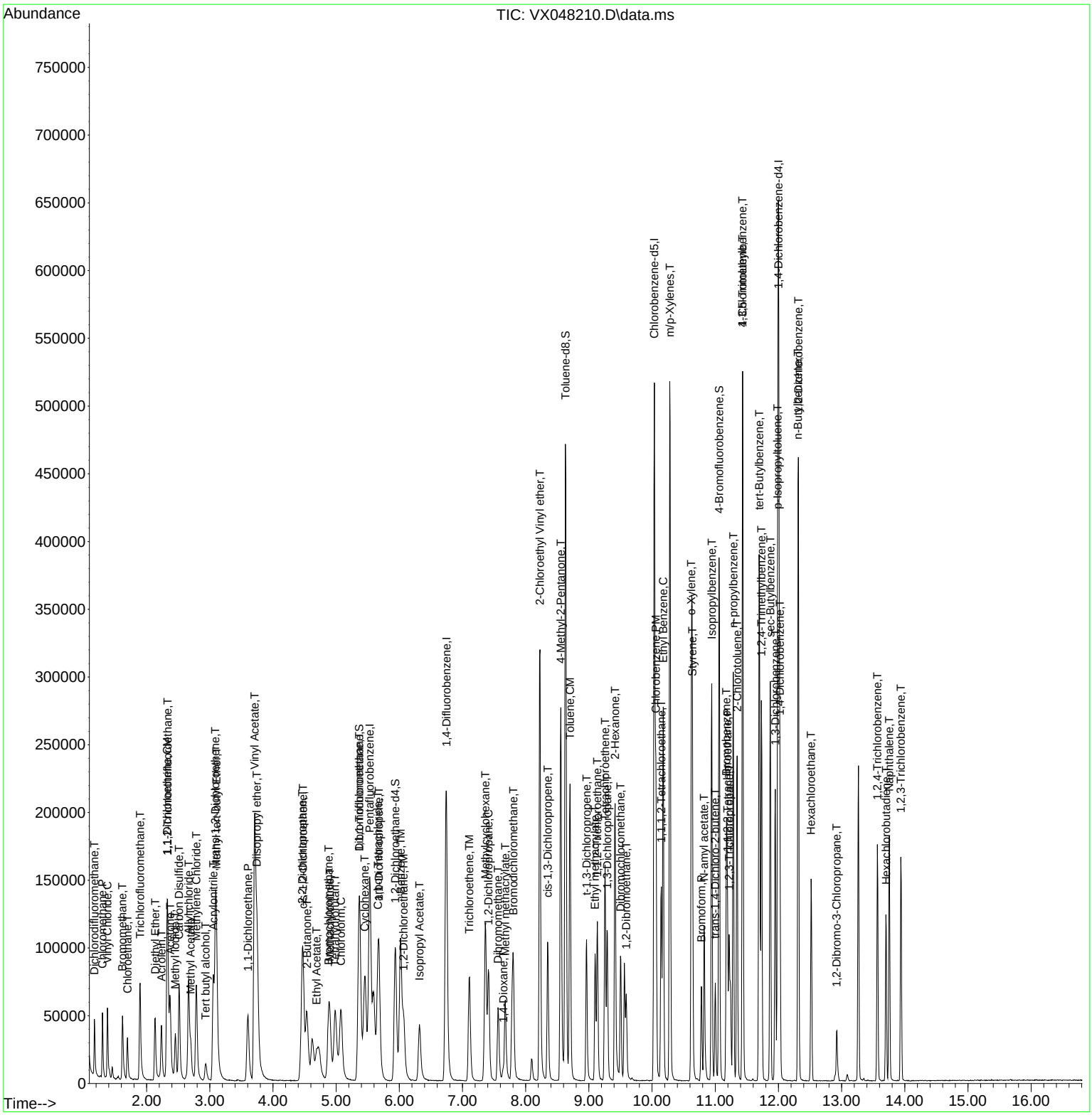
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX101725\
Data File : VX048210.D
Acq On : 17 Oct 2025 14:30
Operator : JC/MD
Sample : VX1017WBSD01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Oct 18 00:18:10 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X101725W.M
Quant Title : SW846 8260
QLast Update : Sat Oct 18 00:06:31 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VX1017WBSD01

Manual Integrations APPROVED

Reviewed By :John Carlone 10/20/2025
Supervised By :Mahesh Dadoda 10/20/2025



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Manual Integration Report

Sequence:	VX101725	Instrument	MSVOA_x

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDICC001	VX048198.D	1,2,3-Trichloropropane	JOHN	10/20/2025 8:18:04 AM	MMDadoda	10/20/2025 3:53:48 PM	Peak Integrated by Software
VSTDICC001	VX048198.D	1,4-Dichlorobenzene	JOHN	10/20/2025 8:18:04 AM	MMDadoda	10/20/2025 3:53:48 PM	Peak Integrated by Software
VSTDICC001	VX048198.D	cis-1,2-Dichloroethene	JOHN	10/20/2025 8:18:04 AM	MMDadoda	10/20/2025 3:53:48 PM	Peak Integrated by Software
VSTDICC001	VX048198.D	Ethyl Acetate	JOHN	10/20/2025 8:18:04 AM	MMDadoda	10/20/2025 3:53:48 PM	Peak Integrated by Software
VSTDICC005	VX048199.D	1,2,3-Trichloropropane	JOHN	10/20/2025 8:18:08 AM	MMDadoda	10/20/2025 3:53:52 PM	Peak Integrated by Software
VSTDICC020	VX048200.D	1,2,3-Trichloropropane	JOHN	10/20/2025 8:18:13 AM	MMDadoda	10/20/2025 3:53:55 PM	Peak Integrated by Software
VSTDICCC050	VX048201.D	1,2,3-Trichloropropane	JOHN	10/20/2025 8:18:17 AM	MMDadoda	10/20/2025 3:54:00 PM	Peak Integrated by Software
VSTDICC100	VX048202.D	1,2,3-Trichloropropane	JOHN	10/20/2025 8:18:22 AM	MMDadoda	10/20/2025 3:54:04 PM	Peak Integrated by Software
VSTDICC150	VX048203.D	1,2,3-Trichloropropane	JOHN	10/20/2025 8:18:26 AM	MMDadoda	10/20/2025 3:54:09 PM	Peak Integrated by Software
VSTDICC150	VX048203.D	Bromomethane	JOHN	10/20/2025 8:18:26 AM	MMDadoda	10/20/2025 3:54:09 PM	Peak Integrated by Software
VSTDICV050	VX048205.D	1,2,3-Trichloropropane	JOHN	10/20/2025 8:18:31 AM	MMDadoda	10/20/2025 3:54:16 PM	Peak Integrated by Software
VSTDICV050	VX048205.D	Acrolein	JOHN	10/20/2025 8:18:31 AM	MMDadoda	10/20/2025 3:54:16 PM	Peak Integrated by Software
VX1017WBS01	VX048209.D	1,2,3-Trichloropropane	JOHN	10/20/2025 8:18:37 AM	MMDadoda	10/20/2025 3:54:19 PM	Peak Integrated by Software

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Manual Integration Report

Sequence:	VX101725	Instrument	MSVOA_x

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VX1017WBSD01	VX048210.D	1,2,3-Trichloropropane	JOHN	10/20/2025 8:18:41 AM	MMDadoda	10/20/2025 3:54:23 PM	Peak Integrated by Software
VSTDCCC050	VX048225.D	1,2,3-Trichloropropane	JOHN	10/20/2025 8:19:02 AM	MMDadoda	10/20/2025 3:54:36 PM	Peak Integrated by Software

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Fax : 908 789 8922

Instrument ID: MSVOA_X

Daily Analysis Runlog For Sequence/QCBatch ID # VX101725

Review By	John Carlone	Review On	10/20/2025 8:29:16 AM		
Supervise By	Mahesh Dadoda	Supervise On	10/20/2025 3:54:51 PM		
SubDirectory	VX101725	HP Acquire Method		HP Processing Method	82X101725W.M

STD. NAME	STD REF.#
Tune/Reschk	VP135829
Initial Calibration Stds	VP135861,VP135862,VP135863,VP135864,VP135865,VP135866
CCC	VP135830
Internal Standard/PEM	
ICV/I.BLK	VP135867
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VX048197.D	17 Oct 2025 08:17	JC/MD	Ok
2	VSTDICC001	VX048198.D	17 Oct 2025 08:45	JC/MD	Ok,M
3	VSTDICC005	VX048199.D	17 Oct 2025 09:14	JC/MD	Ok,M
4	VSTDICC020	VX048200.D	17 Oct 2025 09:35	JC/MD	Ok,M
5	VSTDICCC050	VX048201.D	17 Oct 2025 09:55	JC/MD	Ok,M
6	VSTDICC100	VX048202.D	17 Oct 2025 10:16	JC/MD	Ok,M
7	VSTDICC150	VX048203.D	17 Oct 2025 10:36	JC/MD	Ok,M
8	IBLK	VX048204.D	17 Oct 2025 10:57	JC/MD	Ok
9	VSTDICV050	VX048205.D	17 Oct 2025 12:05	JC/MD	Ok,M
10	VX1017MBL01	VX048206.D	17 Oct 2025 12:54	JC/MD	Ok
11	VX1017WBL01	VX048207.D	17 Oct 2025 13:15	JC/MD	Ok
12	Q3311-12DL	VX048208.D	17 Oct 2025 13:43	JC/MD	Ok
13	VX1017WBS01	VX048209.D	17 Oct 2025 14:03	JC/MD	Ok,M
14	VX1017WBSD01	VX048210.D	17 Oct 2025 14:30	JC/MD	Ok,M
15	Q3361-02	VX048211.D	17 Oct 2025 14:51	JC/MD	Ok
16	Q3362-02	VX048212.D	17 Oct 2025 15:11	JC/MD	Ok
17	PB170117TB	VX048213.D	17 Oct 2025 15:32	JC/MD	Ok
18	Q3348-04	VX048214.D	17 Oct 2025 15:52	JC/MD	Ok,M
19	Q3352-04	VX048215.D	17 Oct 2025 16:13	JC/MD	Ok
20	Q3354-02	VX048216.D	17 Oct 2025 16:34	JC/MD	Ok
21	Q3357-01	VX048217.D	17 Oct 2025 16:54	JC/MD	Ok

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Fax : 908 789 8922

Instrument ID: MSVOA_X

Daily Analysis Runlog For Sequence/QCBatch ID # VX101725

Review By	John Carlone	Review On	10/20/2025 8:29:16 AM		
Supervise By	Mahesh Dadoda	Supervise On	10/20/2025 3:54:51 PM		
SubDirectory	VX101725	HP Acquire Method		HP Processing Method	82X101725W.M

STD. NAME	STD REF.#
Tune/Reschk	VP135829
Initial Calibration Stds	VP135861,VP135862,VP135863,VP135864,VP135865,VP135866
CCC	VP135830
Internal Standard/PEM	
ICV/I.BLK	VP135867
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

22	Q3357-02	VX048218.D	17 Oct 2025 17:15	JC/MD	Ok
23	Q3357-03	VX048219.D	17 Oct 2025 17:36	JC/MD	Ok
24	Q3357-04	VX048220.D	17 Oct 2025 17:56	JC/MD	Ok
25	Q3362-01	VX048221.D	17 Oct 2025 18:17	JC/MD	Ok
26	Q3361-01	VX048222.D	17 Oct 2025 18:37	JC/MD	Dilution
27	IBLK	VX048223.D	17 Oct 2025 18:58	JC/MD	Ok
28	Q3349-01	VX048224.D	17 Oct 2025 19:19	JC/MD	Ok
29	VSTDCCC050	VX048225.D	17 Oct 2025 19:39	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 # VX101725

Review By	John Carlone	Review On	10/20/2025 8:29:16 AM		
Supervise By	Mahesh Dadoda	Supervise On	10/20/2025 3:54:51 PM		
SubDirectory	VX101725	HP Acquire Method		HP Processing Method	82X101725W.M

STD. NAME	STD REF.#
Tune/Reschk	VP135829
Initial Calibration Stds	VP135861,VP135862,VP135863,VP135864,VP135865,VP135866
CCC	VP135830
Internal Standard/PEM	
ICV/I.BLK	VP135867
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	BFB	BFB	VX048197.D	17 Oct 2025 08:17		JC/MD	Ok
2	VSTDICC001	VSTDICC001	VX048198.D	17 Oct 2025 08:45	pH#Lot#V12668	JC/MD	Ok,M
3	VSTDICC005	VSTDICC005	VX048199.D	17 Oct 2025 09:14		JC/MD	Ok,M
4	VSTDICC020	VSTDICC020	VX048200.D	17 Oct 2025 09:35		JC/MD	Ok,M
5	VSTDICCC050	VSTDICCC050	VX048201.D	17 Oct 2025 09:55	Comp. #58 on Linear Regression	JC/MD	Ok,M
6	VSTDICC100	VSTDICC100	VX048202.D	17 Oct 2025 10:16		JC/MD	Ok,M
7	VSTDICC150	VSTDICC150	VX048203.D	17 Oct 2025 10:36		JC/MD	Ok,M
8	IBLK	IBLK	VX048204.D	17 Oct 2025 10:57		JC/MD	Ok
9	VSTDICV050	ICVVX101725	VX048205.D	17 Oct 2025 12:05	ICV Failed for comp. #13 for DOD	JC/MD	Ok,M
10	VX1017MBL01	VX1017MBL01	VX048206.D	17 Oct 2025 12:54		JC/MD	Ok
11	VX1017WBL01	VX1017WBL01	VX048207.D	17 Oct 2025 13:15		JC/MD	Ok
12	Q3311-12DL	MW-214DDL	VX048208.D	17 Oct 2025 13:43	vial B pH<2	JC/MD	Ok
13	VX1017WBS01	VX1017WBS01	VX048209.D	17 Oct 2025 14:03		JC/MD	Ok,M
14	VX1017WBSD01	VX1017WBSD01	VX048210.D	17 Oct 2025 14:30		JC/MD	Ok,M
15	Q3361-02	Trip blank 251015076-0	VX048211.D	17 Oct 2025 14:51	vial B pH#6.0 TB	JC/MD	Ok
16	Q3362-02	Trip blank 251015076-0	VX048212.D	17 Oct 2025 15:11	vial B pH#6.0 TB	JC/MD	Ok
17	PB170117TB	PB170117TB	VX048213.D	17 Oct 2025 15:32		JC/MD	Ok

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Fax : 908 789 8922

Instrument ID: MSVOA_X

Daily Analysis Runlog For Sequence/QCBatch ID # VX101725

Review By	John Carlone	Review On	10/20/2025 8:29:16 AM		
Supervise By	Mahesh Dadoda	Supervise On	10/20/2025 3:54:51 PM		
SubDirectory	VX101725	HP Acquire Method		HP Processing Method	82X101725W.M

STD. NAME	STD REF.#
Tune/Reschk	VP135829
Initial Calibration Stds	VP135861,VP135862,VP135863,VP135864,VP135865,VP135866
CCC	VP135830
Internal Standard/PEM	
ICV/I.BLK	VP135867
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

18	Q3348-04	WCS-TP1	VX048214.D	17 Oct 2025 15:52	vial B pH#5.0	JC/MD	Ok,M
19	Q3352-04	TP-3	VX048215.D	17 Oct 2025 16:13	vial A pH#5.0	JC/MD	Ok
20	Q3354-02	HT1403	VX048216.D	17 Oct 2025 16:34	vial A pH#5.0	JC/MD	Ok
21	Q3357-01	DRUM-1	VX048217.D	17 Oct 2025 16:54	vial A pH#5.0	JC/MD	Ok
22	Q3357-02	DRUM-2	VX048218.D	17 Oct 2025 17:15	vial A pH#5.0	JC/MD	Ok
23	Q3357-03	DRUM-3	VX048219.D	17 Oct 2025 17:36	vial A pH#5.0	JC/MD	Ok
24	Q3357-04	DRUM-4	VX048220.D	17 Oct 2025 17:56	vial A pH#5.0	JC/MD	Ok
25	Q3362-01	VOA 251015085-01	VX048221.D	17 Oct 2025 18:17	vial C pH#6.0 Surrogate Fail	JC/MD	Ok
26	Q3361-01	VOA 251015111-01	VX048222.D	17 Oct 2025 18:37	vial C pH#6.0 Need 10X	JC/MD	Dilution
27	IBLK	IBLK	VX048223.D	17 Oct 2025 18:58		JC/MD	Ok
28	Q3349-01	PURS Station	VX048224.D	17 Oct 2025 19:19	vial A pH#5.0 Oil sample	JC/MD	Ok
29	VSTDCCC050	VSTDCCC050EC	VX048225.D	17 Oct 2025 19:39		JC/MD	Ok,M

M : Manual Integration

Alliance TECHNICAL GROUP

TCLP EXTRACTION LOGPAGE

PB170117

SOP ID : M1311-TCLP-16

SDG No : N/A

Weigh By : JP

Balance ID : WC SC-7

pH Meter ID : WC PH METER-1

Extraction By : JP

Filter By : JP

Pippete ID : WC

Tumbler ID : ZHE-1

TCLP Filter ID : 60828725

Start Prep Date : 10/15/2025 **Time :** 16:30

End Prep Date : 10/16/2025 **Time :** 10:25

Combination Ratio : 20

ZHE Cleaning Batch : ~~N/A~~ 16

Initial Room Temperature: 23 °C

Final Room Temperature: 22 °C

TCLP Technician Signature : JP

Supervisor By : IZ

Standared Name	MLS USED	STD REF. # FROM LOG
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A

Chemical Used	ML/SAMPLE U	Lot Number
TCLP-FLUID-1	N/A	WP114525
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
40ml VOA Vials	4127	N/A

Extraction Conformance/Non-Conformance Comments:

ALL ZHE samples are extracted and given as vial A & B. Leck checked after 10 minutes of tumbling. TUMBLER ZHE-1 checked,30 rpm. q3349-01 is oil sample so % is <0.5 we consider as water sample.

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
10/16/25 11:30	JP Ext Room	S.Y NVC
	Preparation Group	Analysis Group 24h

Alliance TECHNICAL GROUP

TCLP EXTRACTION LOGPAGE

PB170117

Sample ID	ClientID	ZHE Vessel ID	Sample Wt (g)	Volume Extraction Fluid #1 (mL)	Multi phasic	Phase Miscible	Phases Combined	Final Leachate PH	Metals Leachate Adj. PH	Prep Pos
PB170117TB	LEB117	07	N/A	500	N/A	N/A	N/A	4.94	N/A	ZHE-1
Q3349-01	PURS Station	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Q3352-04	TP-3	01	25.03	500	N/A	N/A	N/A	N/A	N/A	ZHE-1
Q3354-02	HT1403	02	25.01	500	N/A	N/A	N/A	N/A	N/A	ZHE-1
Q3357-01	DRUM-1	03	25.02	500	N/A	N/A	N/A	N/A	N/A	ZHE-1
Q3357-02	DRUM-2	04	25.03	500	N/A	N/A	N/A	N/A	N/A	ZHE-1
Q3357-03	DRUM-3	05	25.04	500	N/A	N/A	N/A	N/A	N/A	ZHE-1
Q3357-04	DRUM-4	06	25.03	500	N/A	N/A	N/A	N/A	N/A	ZHE-1

SampleID	ClientID	Sample Weight (g)	Filter Weight (g)	Filtrate (mL)	Filter + Solid (After 100°C)	% solids	% Dry Solids
PB170117TB	LEB117	N/A	N/A	N/A	N/A	N/A	N/A
Q3349-01	PURS Station	N/A	N/A	N/A	N/A	<0.5	N/A
Q3352-04	TP-3	N/A	N/A	N/A	N/A	100	N/A
Q3354-02	HT1403	N/A	N/A	N/A	N/A	100	N/A
Q3357-01	DRUM-1	N/A	N/A	N/A	N/A	100	N/A
Q3357-02	DRUM-2	N/A	N/A	N/A	N/A	100	N/A
Q3357-03	DRUM-3	N/A	N/A	N/A	N/A	100	N/A
Q3357-04	DRUM-4	N/A	N/A	N/A	N/A	100	N/A

WORKLIST(Hardcopy Internal Chain)

WorkList Name : TCLP ZHE Q3357 **WorkList ID :** 192483 **Department :** TCLP Extraction **Date :** 10-15-2025 14:20:31

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q3349-01	PURS Station	Solid	TCLP ZHE Extraction	Cool 4 deg C	CORE02	J31	10/13/2025	1311 ZHE
Q3352-04	TP-3	Solid	TCLP ZHE Extraction	Cool 4 deg C	PSEG03	D41	10/15/2025	1311 ZHE
Q3354-02	HT1403	Solid	TCLP ZHE Extraction	Cool 4 deg C	PSEG03	D31	10/15/2025	1311 ZHE
Q3357-01	DRUM-1	Solid	TCLP ZHE Extraction	Cool 4 deg C	PSEG03	D31	10/15/2025	1311 ZHE
Q3357-02	DRUM-2	Solid	TCLP ZHE Extraction	Cool 4 deg C	PSEG03	D31	10/15/2025	1311 ZHE
Q3357-03	DRUM-3	Solid	TCLP ZHE Extraction	Cool 4 deg C	PSEG03	D31	10/15/2025	1311 ZHE
Q3357-04	DRUM-4	Solid	TCLP ZHE Extraction	Cool 4 deg C	PSEG03	D31	10/15/2025	1311 ZHE

Date/Time 10/15/25 15:00

Raw Sample Received by: SB (WDC)

Raw Sample Relinquished by: CP

Date/Time 10/15/25 17:30

Raw Sample Received by: CP

Raw Sample Relinquished by: SB (WDC)

SHIPPING DOCUMENTS

Alliance TECHNICAL GROUP

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

CHAIN OF CUSTODY RECORD

Alliance Project Number: Q3349

COC Number: Q3350

CLIENT INFORMATION

COMPANY: CORE Environmental Consultants
ADDRESS: 22-48 119th Street
CITY: College Point STATE: NY ZIP: 11356
ATTENTION: Roland Scardino
PHONE: 718-786-4730 ext. 114 FAX:

PROJECT INFORMATION

PROJECT NAME: NYPA - PURS Station
PROJECT #: LOCATION:
PROJECT MANAGER: Roland Scardino
E-MAIL: rscardino@coreenv.com
PHONE: FAX:

BILLING INFORMATION

BILL TO: CORE Environmental Consultants PO#
ADDRESS: 22-48 119th street
CITY: College Point STATE: NY ZIP: 11356
ATTENTION: Joseph zaheer PHONE: 718-786-4730

DATA TURNAROUND INFORMATION

FAX: 3 day TAT DAYS*
HARD COPY: DAYS*
EDD DAYS*
* TO BE APPROVED BY ALLIANCE
STANDARD TURNAROUND TIME IS 10 BUSINESS DAYS

DATA DELIVERABLE INFORMATION

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

ANALYSIS

* less than

1	2	3	4	5	6	7	8	9
TCLP VOCs	TCLP SVOCs	TCLP RCRA 8 Metals	Total Halogens	PCBs				

PCBs reported to a limit of quantification of 2.00 mg/L

CHEMTECH SAMPLE ID	PROJECT SAMPLE IDENTIFICATION	SAMPLE MATRIX	SAMPLE TYPE COMP	SAMPLE TYPE GRAB	SAMPLE COLLECTION DATE	SAMPLE COLLECTION TIME	# of Bottles	PRESERVATIVES 1	2	3	4	5	6	7	8	9	COMMENTS
1.	PURS Station	Water		X	10/13/25	1025	4	x	x	x	x	x					None
2.																	
3.																	
4.																	
5.																	
6.																	
7.																	
8.																	
9.																	
10.																	

<-- Specify Preservatives
A-HCl B-HNO3
C-H2SO4 D-NaOH
E-ICE F-Other

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

RELINQUISHED BY SAMPLER	DATE/TIME	RECEIVED BY
1.	10-13-25 @ 1400	1. 1400 10-14-25
RELINQUISHED BY 2.	DATE/TIME	RECEIVED BY 2.
RELINQUISHED BY 3.	DATE/TIME 1710 10-14-25	RECEIVED FOR LAB BY 3.

Conditions of bottles or coolers at receipt: ☐ Compliant ☐ Non Compliant ☐ Cooler Temp 3.2C
MeOH extraction requires an additional 4oz. Jar for percent solid ☐ Ice in Cooler?:
Comments:

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SHIPPED VIA: CLIENT: ☐ Hand Delivered ☐ Overnight
ALLIANCE: ☐ Picked Up ☐ Overnight

Shipment Complete ☐ YES ☐ NO

WHITE - ALLIANCE COPYFOR 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