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:	Q2791	**OrderDate:**	8/7/2025 10:33:00 AM
Client:	Aramark Uniforms	**Project:**	Monthly 2025
Contact:	Tom Dikos	**Location:**	J23

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q2791-01	**SLUDGE**	**TCLP**			**08/07/25**			**08/07/25**
			TCLP VOA	8260D			08/08/25	

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Hit Summary Sheet
SW-846

SDG No.: Q2791

Client: Aramark Uniforms

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID:	**SLUDGE**							
Q2791-01	SLUDGE	TCLP	2-Butanone	13.0	J	0.98	25.0	ug/L
Q2791-01	SLUDGE	TCLP	Chloroform	66.8		0.25	5.00	ug/L
			Total Voc :	79.8				
			Total Concentration:	79.8				

QC SUMMARY

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Surrogate Summary

SDG No.: Q2791

Client: Aramark Uniforms

Analytical Method: SW8260D

Lab Sample ID	Client ID	Parameter	Spike	Result	Recovery (%)	Qual	Limits (%) Low	Limits (%) High
Q2791-01	SLUDGE	1,2-Dichloroethane-d4	50	49.4	99		74	125
		Dibromofluoromethane	50	53.9	108		75	124
		Toluene-d8	50	45.8	92		86	113
		4-Bromofluorobenzene	50	52.1	104		77	121

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Surrogate Summary

SDG No.: Q2791

Client: Aramark Uniforms

Analytical Method: SW8260-Low

Lab Sample ID	Client ID	Parameter	Spike	Result	Recovery (%)	Qual	Limits (%) Low	Limits (%) High
VX0808WBL01	VX0808WBL01	1,2-Dichloroethane-d4	50	55.1	110		74	125
		Dibromofluoromethane	50	50.5	101		75	124
		Toluene-d8	50	56.5	113		86	113
		4-Bromofluorobenzene	50	54.0	108		77	121
VX0808WBS01	VX0808WBS01	1,2-Dichloroethane-d4	50	52.0	104		74	125
		Dibromofluoromethane	50	56.5	113		75	124
		Toluene-d8	50	50.1	100		86	113
		4-Bromofluorobenzene	50	56.2	112		77	121
VX0808WBSD0	VX0808WBSD01	1,2-Dichloroethane-d4	50	53.5	107		74	125
		Dibromofluoromethane	50	55.7	111		75	124
		Toluene-d8	50	49.7	99		86	113
		4-Bromofluorobenzene	50	56.3	113		77	121

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q2791 **Analytical Method:** SW8260-Low

Client: Aramark Uniforms **Datafile :** VX047266.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VX0808WBS01	Vinyl chloride	20	20.5	ug/L	103			65	117	
	1,1-Dichloroethene	20	19.1	ug/L	96			74	110	
	2-Butanone	100	99.6	ug/L	100			65	122	
	Carbon Tetrachloride	20	18.9	ug/L	95			77	113	
	Chloroform	20	19.3	ug/L	97			79	113	
	Benzene	20	19.7	ug/L	99			82	109	
	1,2-Dichloroethane	20	19.8	ug/L	99			80	115	
	Trichloroethene	20	19.2	ug/L	96			77	113	
	Tetrachloroethene	20	19.2	ug/L	96			67	123	
	Chlorobenzene	20	19.5	ug/L	98			82	109	

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q2791 **Analytical Method:** SW8260-Low

Client: Aramark Uniforms **Datafile :** VX047267.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VX0808WBSD01	Vinyl chloride	20	19.9	ug/L	100	3		65	117	19
	1,1-Dichloroethene	20	18.7	ug/L	94	2		74	110	20
	2-Butanone	100	100	ug/L	100	0		65	122	26
	Carbon Tetrachloride	20	19.2	ug/L	96	1		77	113	15
	Chloroform	20	19.3	ug/L	97	0		79	113	20
	Benzene	20	19.6	ug/L	98	1		82	109	15
	1,2-Dichloroethane	20	20.3	ug/L	102	3		80	115	20
	Trichloroethene	20	18.9	ug/L	95	1		77	113	15
	Tetrachloroethene	20	18.8	ug/L	94	2		67	123	15
	Chlorobenzene	20	19.8	ug/L	99	1		82	109	15

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VOLATILE METHOD BLANK SUMMARY

Client ID: VX0808WBL01

Lab Name: Alliance Contract: ARAM01

Lab Code: ACE SDG NO.: Q2791

Lab File ID: VX047265.D Lab Sample ID: VX0808WBL01

Date Analyzed: 08/08/2025 Time Analyzed: 12:19

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
VX0808WBS01	VX0808WBS01	VX047266.D	08/08/2025
VX0808WBSD01	VX0808WBSD01	VX047267.D	08/08/2025
SLUDGE	Q2791-01	VX047276.D	08/08/2025

COMMENTS:

Raw Data: **VX047054.D**

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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: Alliance
Contract: ARAM01
Lab Code: ACE
SDG NO.: Q2791
Lab File ID: VX047054.D
BFB Injection Date: 07/21/2025
Instrument ID: MSVOA_X
BFB Injection Time: 08:53
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	19.4
75	30.0 - 60.0% of mass 95	52.5
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.8
173	Less than 2.0% of mass 174	0.9 (1.2) 1
174	50.0 - 100.0% of mass 95	72.5
175	5.0 - 9.0% of mass 174	5.3 (7.3) 1
176	95.0 - 101.0% of mass 174	69.5 (95.9) 1
177	5.0 - 9.0% of mass 176	5 (7.2) 2

1-Value is % mass 174

2-Value is % mass 176

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

CLIENT ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDICC001	VSTDICC001	VX047055.D	07/21/2025	09:47
VSTDICC005	VSTDICC005	VX047056.D	07/21/2025	10:08
VSTDICC020	VSTDICC020	VX047057.D	07/21/2025	10:29
VSTDICCC050	VSTDICCC050	VX047058.D	07/21/2025	10:50
VSTDICC100	VSTDICC100	VX047059.D	07/21/2025	11:11
VSTDICC150	VSTDICC150	VX047060.D	07/21/2025	11:32

Raw Data: **VX047262.D**

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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: Alliance
Contract: ARAM01
Lab Code: ACE
SDG NO.: Q2791
Lab File ID: VX047262.D
BFB Injection Date: 08/08/2025
Instrument ID: MSVOA_X
BFB Injection Time: 10:04
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	19.1
75	30.0 - 60.0% of mass 95	51.9
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.6
173	Less than 2.0% of mass 174	0.5 (0.7) 1
174	50.0 - 100.0% of mass 95	73.6
175	5.0 - 9.0% of mass 174	5.5 (7.4) 1
176	95.0 - 101.0% of mass 174	70.5 (95.8) 1
177	5.0 - 9.0% of mass 176	4.6 (6.5) 2

1-Value is % mass 174

2-Value is % mass 176

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

CLIENT ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDCCC050	VSTDCCC050	VX047263.D	08/08/2025	11:04
VX0808WBL01	VX0808WBL01	VX047265.D	08/08/2025	12:19
VX0808WBS01	VX0808WBS01	VX047266.D	08/08/2025	13:16
VX0808WBSD01	VX0808WBSD01	VX047267.D	08/08/2025	13:45
SLUDGE	Q2791-01	VX047276.D	08/08/2025	16:54

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VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance Contract: ARAM01

Lab Code: ACE SDG NO.: Q2791

Lab File ID: VX047263.D Date Analyzed: 08/08/2025

Instrument ID: MSVOA_X Time Analyzed: 11:04

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	231247	5.56	404873	6.76	364546	10.06
UPPER LIMIT	462494	6.056	809746	7.263	729092	10.555
LOWER LIMIT	115624	5.056	202437	6.263	182273	9.555
EPA SAMPLE NO.						
SLUDGE	282257	5.56	474035	6.77	393822	10.06
VX0808WBL01	368606	5.56	680757	6.76	661932	10.06
VX0808WBS01	241260	5.56	404774	6.76	361083	10.06
VX0808WBSD01	229567	5.56	385678	6.76	348369	10.06

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: ARAM01

Lab Code: ACE SDG NO.: Q2791

Lab File ID: VX047263.D Date Analyzed: 08/08/2025

Instrument ID: MSVOA_X Time Analyzed: 11:04

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

	IS4 AREA #	RT #				
12 HOUR STD	177002	12.018				
UPPER LIMIT	354004	12.518				
LOWER LIMIT	88501	11.518				
EPA SAMPLE NO.						
SLUDGE	211582	12.02				
VX0808WBL01	331943	12.02				
VX0808WBS01	185608	12.02				
VX0808WBSD01	177274	12.02				

IS4 = 1,4-Dichlorobenzene-d4

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

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

SAMPLE DATA

Raw Data: **VX047276.D**

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

Report of Analysis

Client:	Aramark Uniforms	Date Collected:	08/07/25
Project:	Monthly 2025	Date Received:	08/07/25
Client Sample ID:	SLUDGE	SDG No.:	Q2791
Lab Sample ID:	Q2791-01	Matrix:	TCLP
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	TCLP VOA
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :	SW5035		

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX047276.D	1	08/08/25 16:54	VX080825

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-01-4	Vinyl Chloride	0.26	U	0.26	5.00	ug/L
75-35-4	1,1-Dichloroethene	0.23	U	0.23	5.00	ug/L
78-93-3	2-Butanone	13.0	J	0.98	25.0	ug/L
56-23-5	Carbon Tetrachloride	0.25	U	0.25	5.00	ug/L
67-66-3	Chloroform	66.8		0.25	5.00	ug/L
71-43-2	Benzene	0.15	U	0.15	5.00	ug/L
107-06-2	1,2-Dichloroethane	0.22	U	0.22	5.00	ug/L
79-01-6	Trichloroethene	0.090	U	0.090	5.00	ug/L
127-18-4	Tetrachloroethene	0.23	U	0.23	5.00	ug/L
108-90-7	Chlorobenzene	0.12	U	0.12	5.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	49.4		74 - 125	99%	SPK: 50
1868-53-7	Dibromofluoromethane	53.9		75 - 124	108%	SPK: 50
2037-26-5	Toluene-d8	45.8		86 - 113	92%	SPK: 50
460-00-4	4-Bromofluorobenzene	52.1		77 - 121	104%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	282000	5.562			
540-36-3	1,4-Difluorobenzene	474000	6.769			
3114-55-4	Chlorobenzene-d5	394000	10.055			
3855-82-1	1,4-Dichlorobenzene-d4	212000	12.018			

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

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX080825\
Data File : VX047276.D
Acq On : 08 Aug 2025 16:54
Operator : JC/MD
Sample : Q2791-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
SLUDGE

Quant Time: Aug 11 02:04:21 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072125W.M
Quant Title : SW846 8260
QLast Update : Tue Jul 22 03:59:51 2025
Response via : Initial Calibration

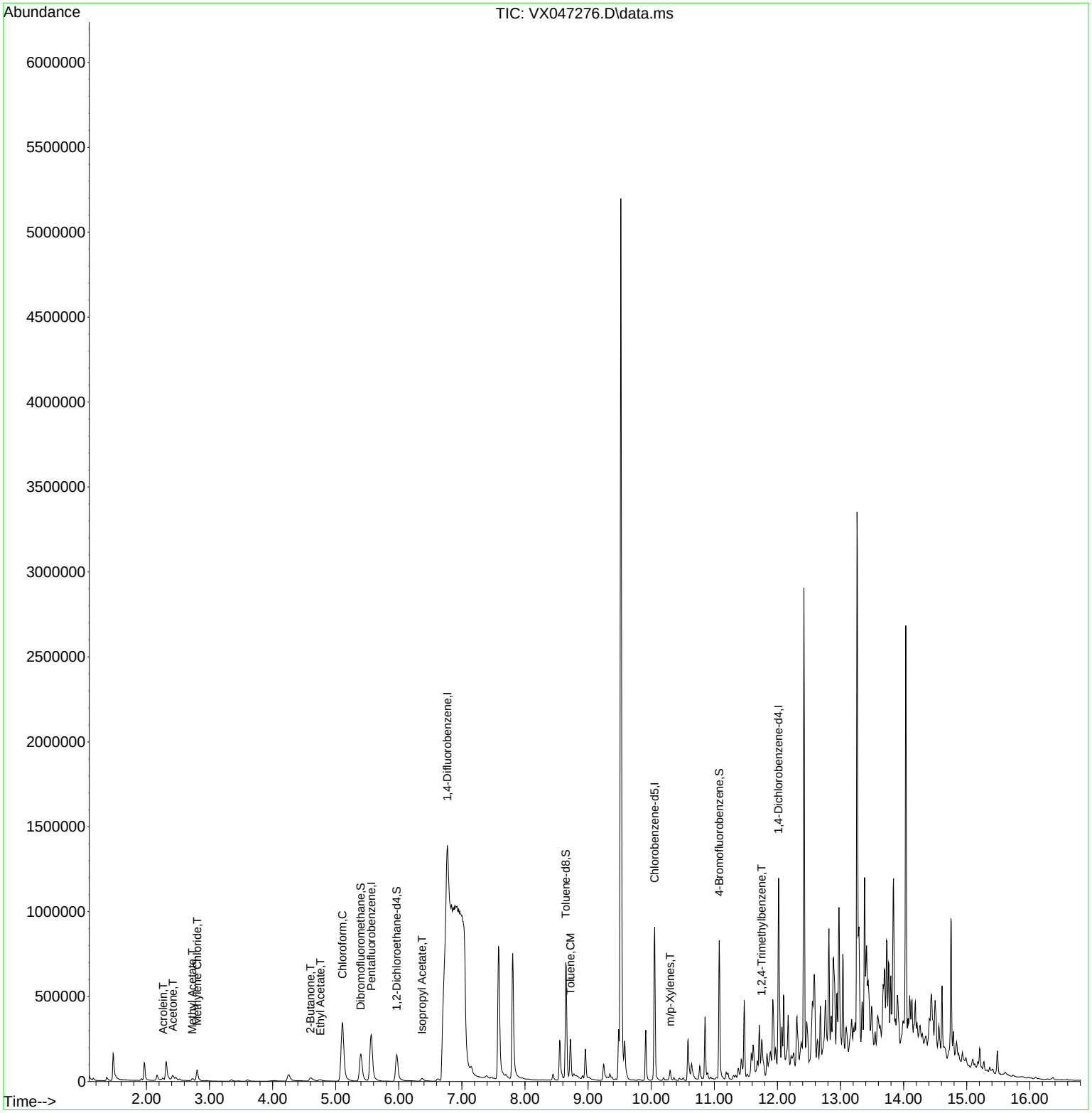
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.562	168	282257	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	474035	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	393822	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	211582	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	173779	49.425	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 98.840%			
35) Dibromofluoromethane	5.397	113	157792	53.912	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 107.820%			
50) Toluene-d8	8.647	98	433897	45.777	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 91.560%#			
62) 4-Bromofluorobenzene	11.079	95	212723	52.078	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 104.160%			
Target Compounds						Qvalue
13) Acrolein	2.264	56	11990m	15.837	ug/l	
16) Acetone	2.416	43	52288	37.122	ug/l #	77
18) Methyl Acetate	2.727	43	20334	5.432	ug/l	95
20) Methylene Chloride	2.806	84	33381	8.614	ug/l	97
25) 2-Butanone	4.599	43	26738	13.037	ug/l	100
30) Chloroform	5.105	83	466058	66.789	ug/l	97
37) Ethyl Acetate	4.757	43	21999m	4.785	ug/l	
43) Isopropyl Acetate	6.367	43	15499	2.163	ug/l #	80
52) Toluene	8.720	92	92907	10.465	ug/l	99
68) m/p-Xylenes	10.299	106	13753	2.278	ug/l	100
84) 1,2,4-Trimethylbenzene	11.750	105	49704	3.613	ug/l	91

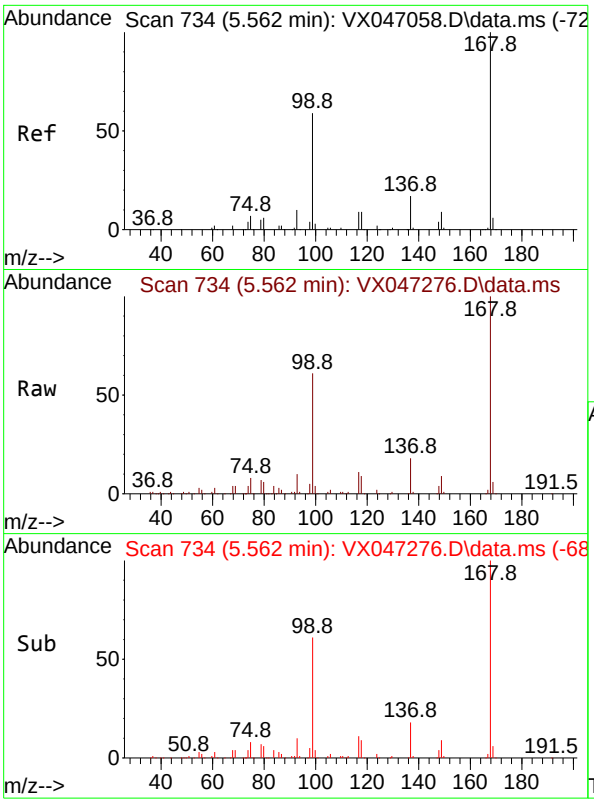
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX080825\
Data File : VX047276.D
Acq On : 08 Aug 2025 16:54
Operator : JC/MD
Sample : Q2791-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
SLUDGE

Quant Time: Aug 11 02:04:21 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072125W.M
Quant Title : SW846 8260
QLast Update : Tue Jul 22 03:59:51 2025
Response via : Initial Calibration



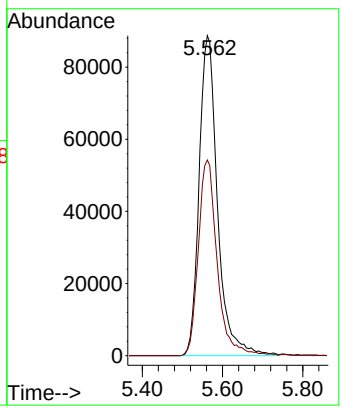


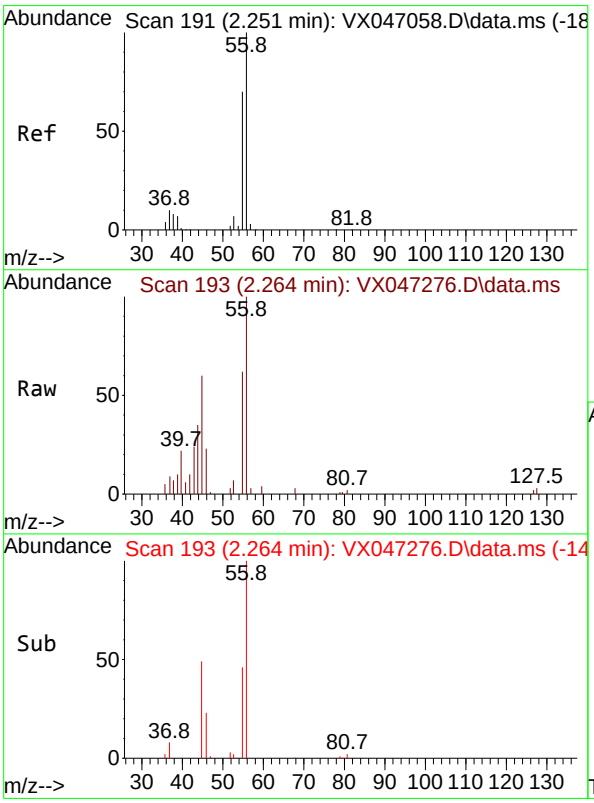
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX047276.D
Acq: 08 Aug 2025 16:54

Instrument :
MSVOA_X
ClientSampleId :
SLUDGE

Tgt Ion:168 Resp: 282257

Ion	Ratio	Lower	Upper
168	100		
99	61.1	48.0	72.0

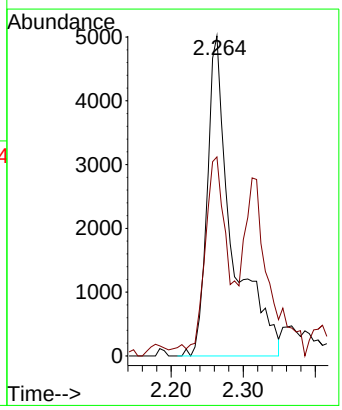


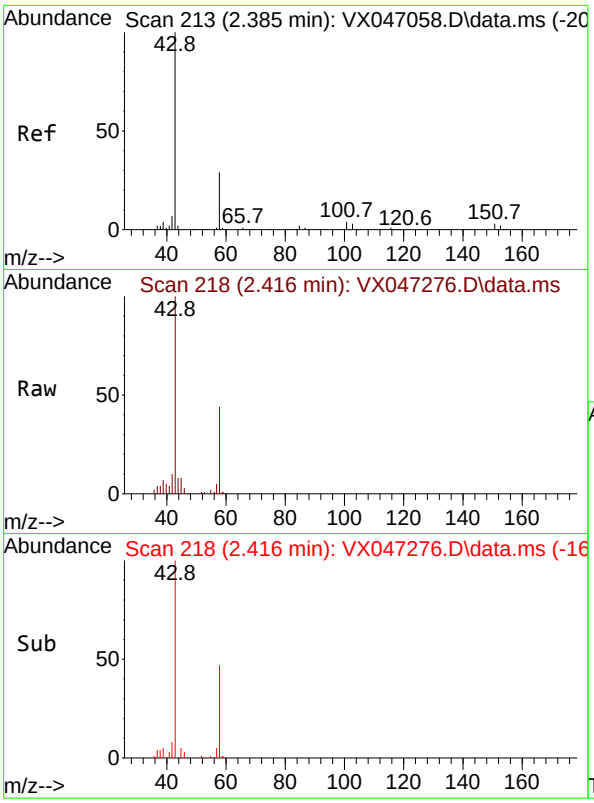


#13
Acrolein
Concen: 15.837 ug/l m
RT: 2.264 min Scan# 193
Delta R.T. 0.012 min
Lab File: VX047276.D
Acq: 08 Aug 2025 16:54

Tgt Ion: 56 Resp: 11990

Ion	Ratio	Lower	Upper
56	100		
55	56.1	55.7	83.5



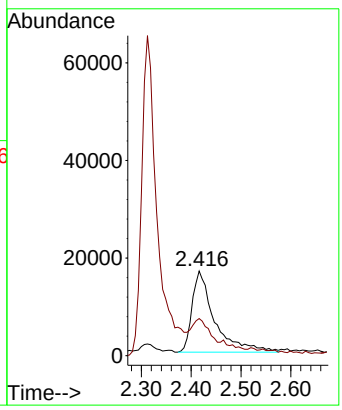


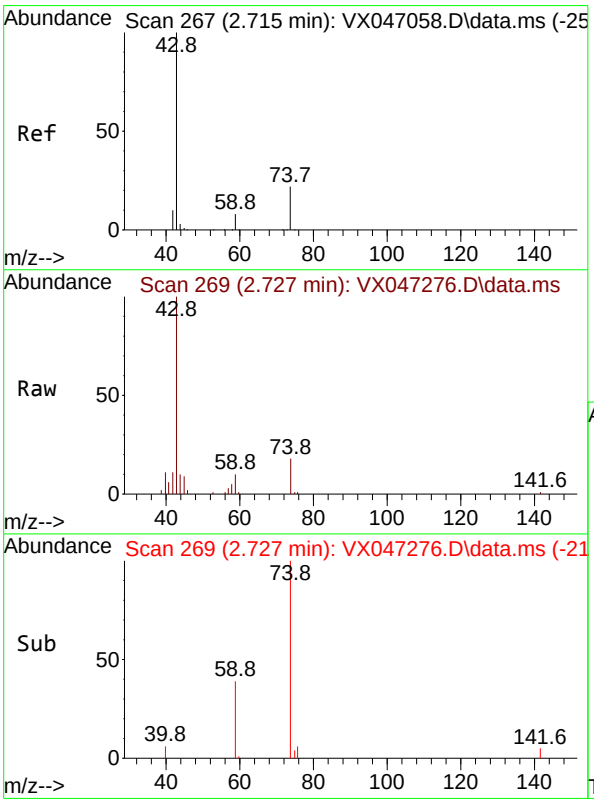
#16
Acetone
Concen: 37.122 ug/l
RT: 2.416 min Scan# 21
Delta R.T. 0.031 min
Lab File: VX047276.D
Acq: 08 Aug 2025 16:54

Instrument :
MSVOA_X
ClientSampleId :
SLUDGE

Tgt Ion: 43 Resp: 52288

Ion	Ratio	Lower	Upper
43	100		
58	42.3	24.0	36.0#

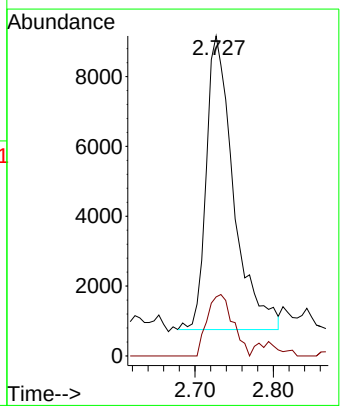


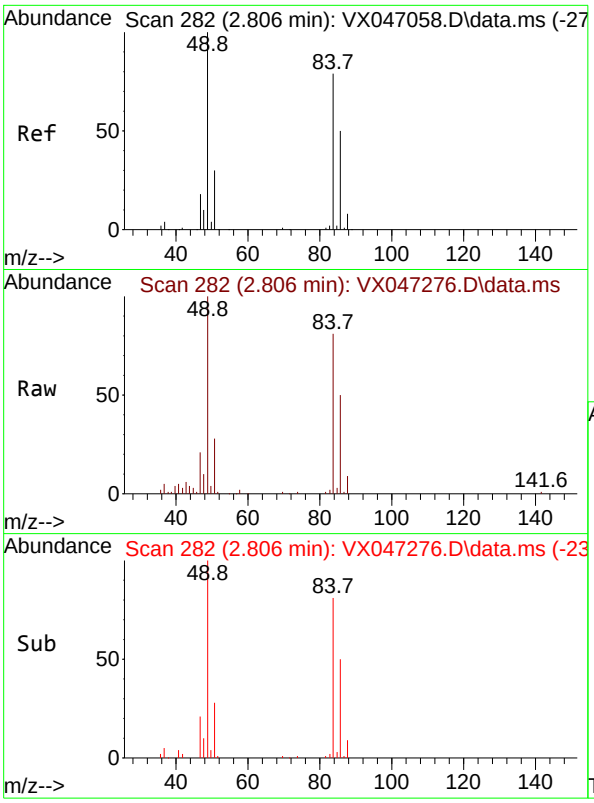


#18
Methyl Acetate
Concen: 5.432 ug/l
RT: 2.727 min Scan# 269
Delta R.T. 0.012 min
Lab File: VX047276.D
Acq: 08 Aug 2025 16:54

Tgt Ion: 43 Resp: 20334

Ion	Ratio	Lower	Upper
43	100		
74	19.6	17.7	26.5



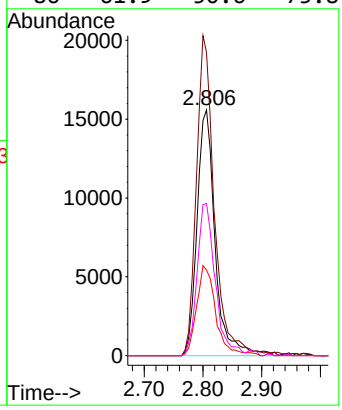


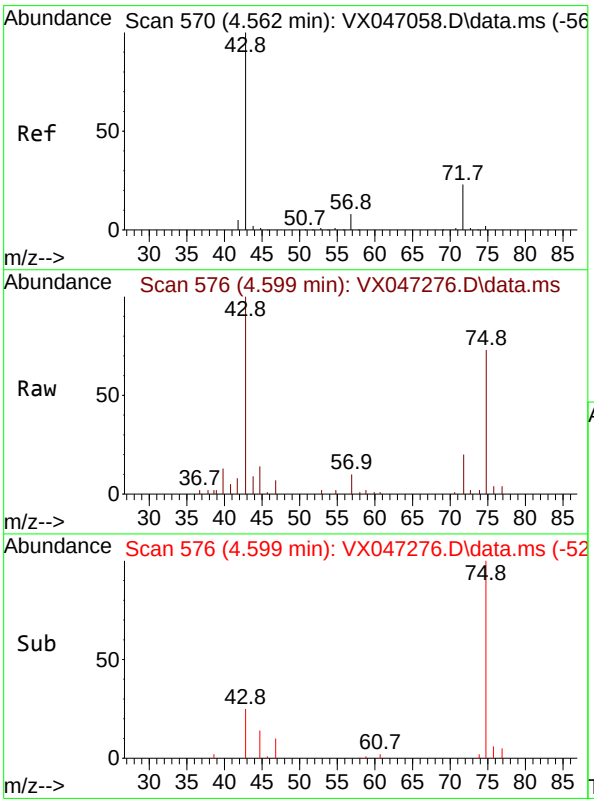
#20
Methylene Chloride
Concen: 8.614 ug/l
RT: 2.806 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX047276.D
Acq: 08 Aug 2025 16:54

Instrument :
MSVOA_X
ClientSampleId :
SLUDGE

Tgt Ion: 84 Resp: 33381

Ion	Ratio	Lower	Upper
84	100		
49	123.4	101.6	152.4
51	35.6	30.3	45.5
86	61.9	50.6	75.8

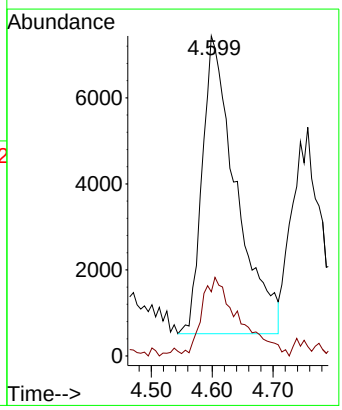


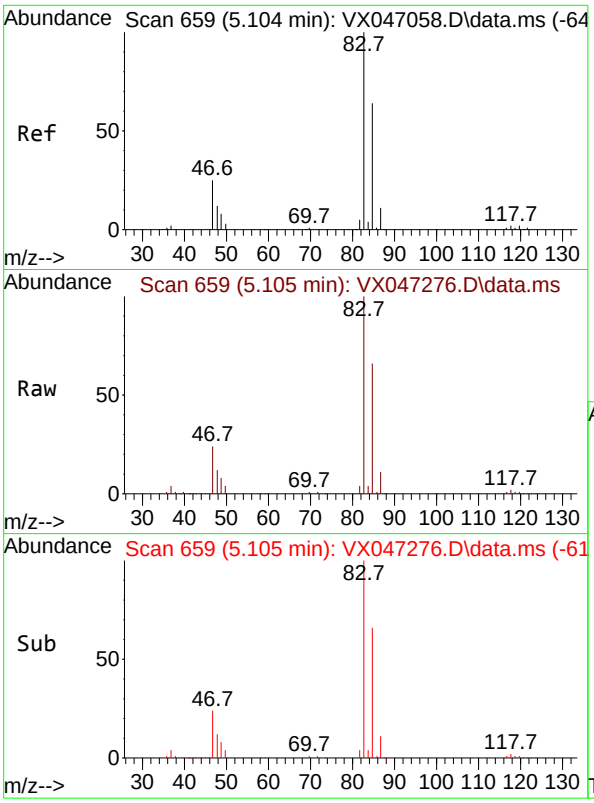


#25
2-Butanone
Concen: 13.037 ug/l
RT: 4.599 min Scan# 576
Delta R.T. 0.037 min
Lab File: VX047276.D
Acq: 08 Aug 2025 16:54

Tgt Ion: 43 Resp: 26738

Ion	Ratio	Lower	Upper
43	100		
72	23.6	18.8	28.2



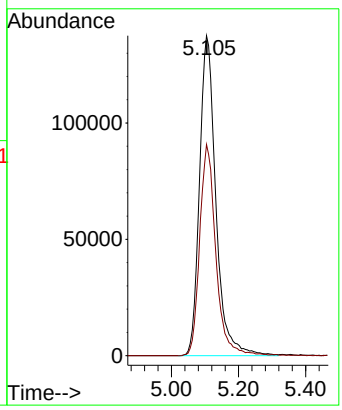


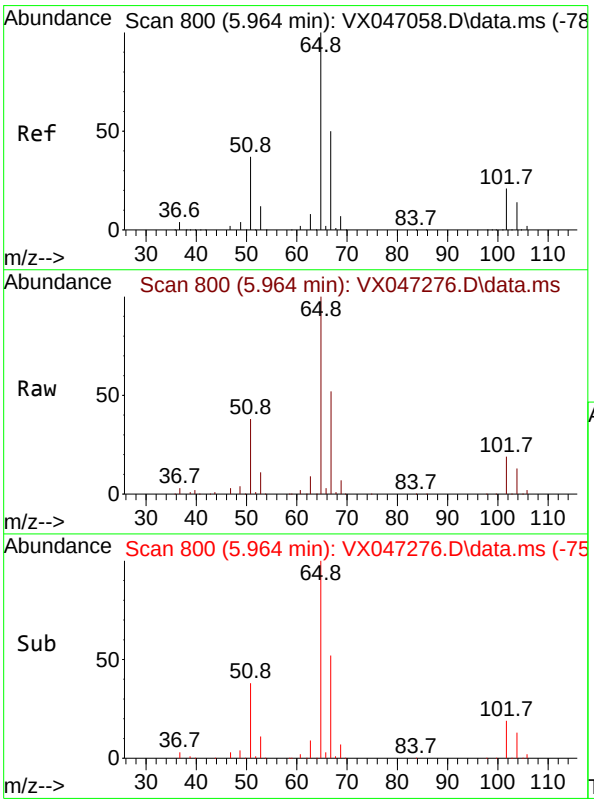
#30
Chloroform
Concen: 66.789 ug/l
RT: 5.105 min Scan# 6
Delta R.T. 0.000 min
Lab File: VX047276.D
Acq: 08 Aug 2025 16:54

Instrument :
MSVOA_X
ClientSampleId :
SLUDGE

Tgt Ion: 83 Resp: 466058

Ion	Ratio	Lower	Upper
83	100		
85	66.0	50.9	76.3

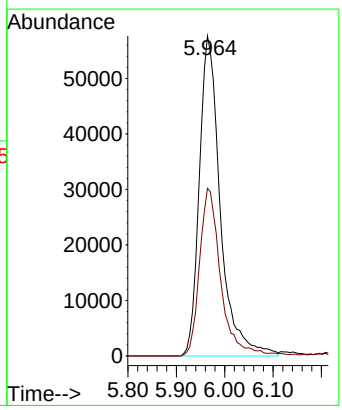


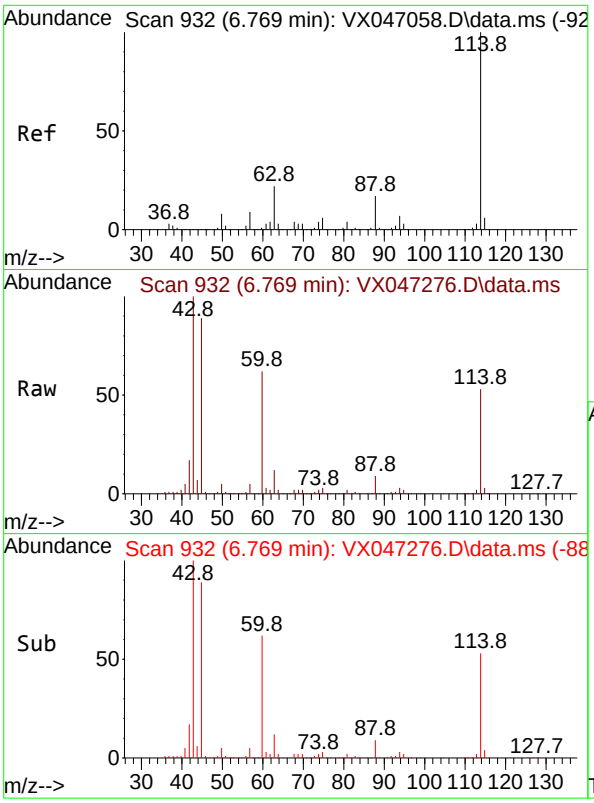


#33
1,2-Dichloroethane-d4
Concen: 49.425 ug/l
RT: 5.964 min Scan# 800
Delta R.T. 0.000 min
Lab File: VX047276.D
Acq: 08 Aug 2025 16:54

Tgt Ion: 65 Resp: 173779

Ion	Ratio	Lower	Upper
65	100		
67	52.3	0.0	104.8



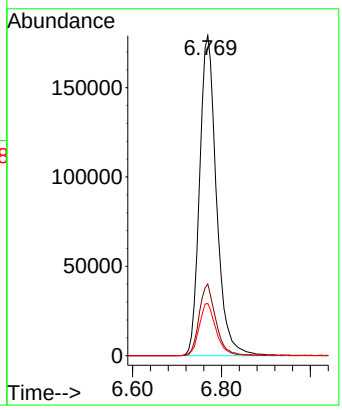


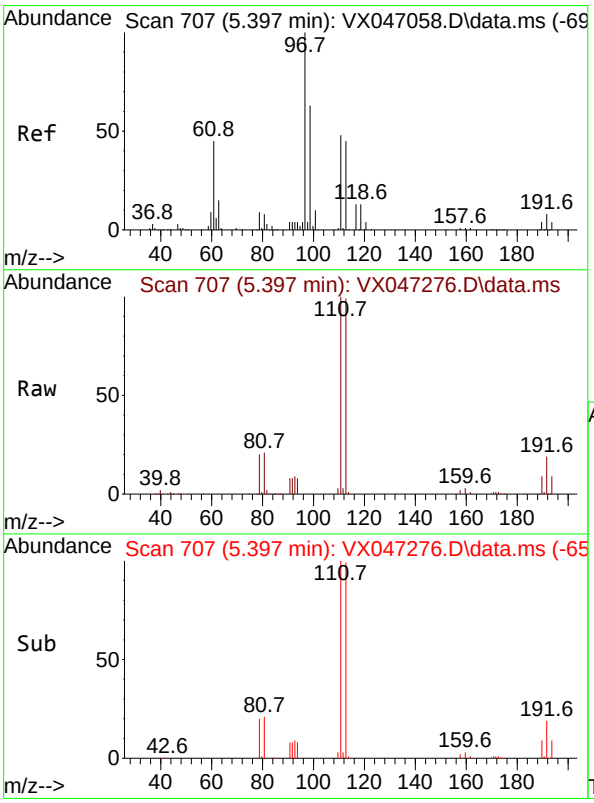
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.769 min Scan# 9
Delta R.T. 0.000 min
Lab File: VX047276.D
Acq: 08 Aug 2025 16:54

Instrument :
MSVOA_X
ClientSampleId :
SLUDGE

Tgt Ion:114 Resp: 474035

Ion	Ratio	Lower	Upper
114	100		
63	22.3	0.0	43.2
88	16.3	0.0	33.8

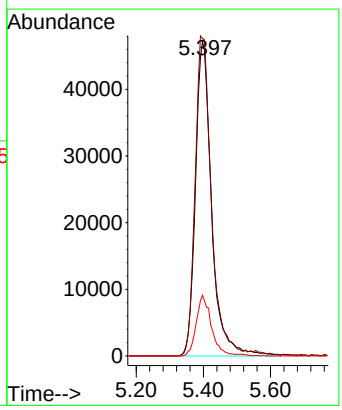


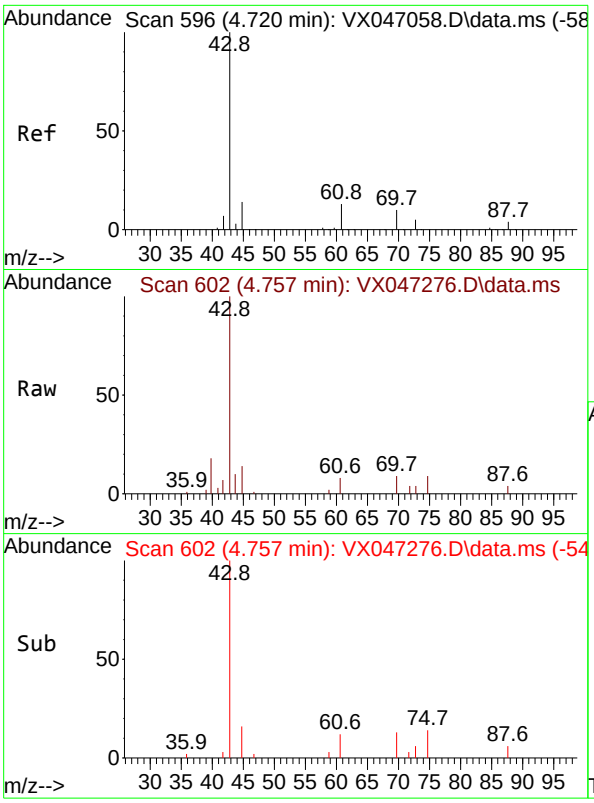


#35
Dibromofluoromethane
Concen: 53.912 ug/l
RT: 5.397 min Scan# 707
Delta R.T. 0.000 min
Lab File: VX047276.D
Acq: 08 Aug 2025 16:54

Tgt Ion:113 Resp: 157792

Ion	Ratio	Lower	Upper
113	100		
111	102.9	82.6	124.0
192	18.3	14.9	22.3



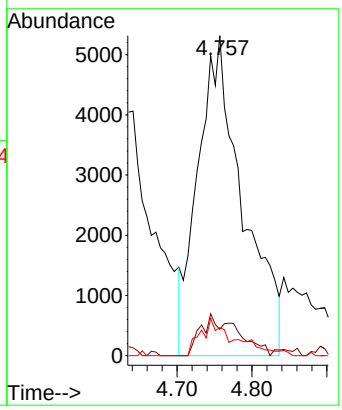


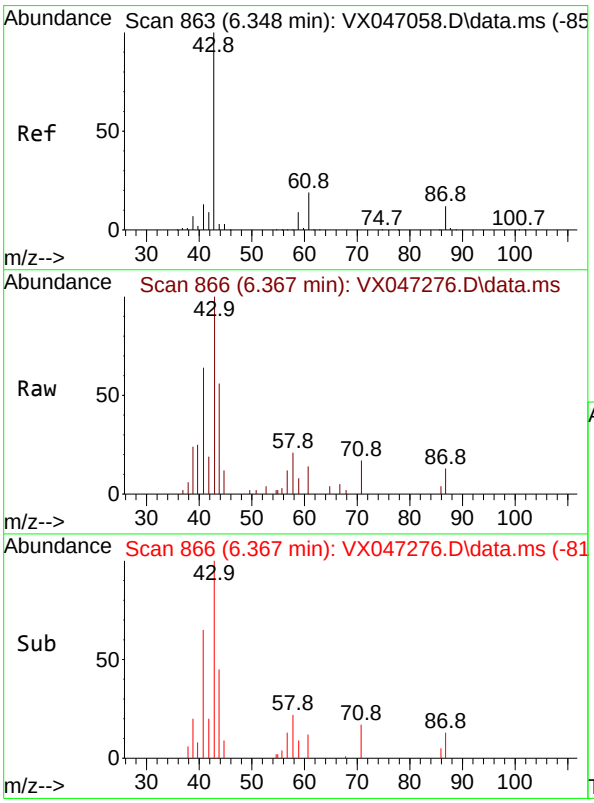
#37
Ethyl Acetate
Concen: 4.785 ug/l m
RT: 4.757 min Scan# 6
Delta R.T. 0.037 min
Lab File: VX047276.D
Acq: 08 Aug 2025 16:54

Instrument :
MSVOA_X
ClientSampleId :
SLUDGE

Tgt Ion: 43 Resp: 21999

Ion	Ratio	Lower	Upper
43	100		
61	5.2	10.2	15.2#
70	6.2	8.1	12.1#

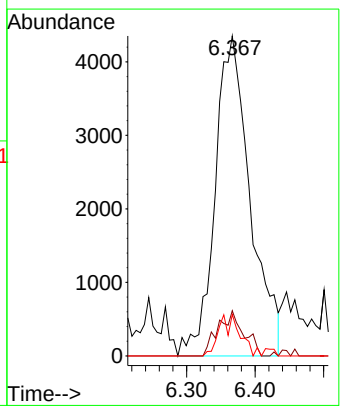


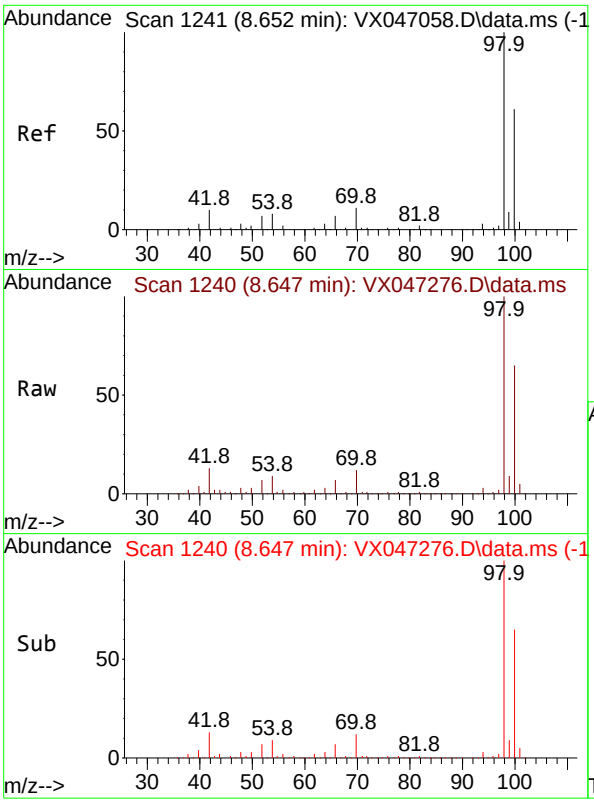


#43
Isopropyl Acetate
Concen: 2.163 ug/l
RT: 6.367 min Scan# 866
Delta R.T. 0.018 min
Lab File: VX047276.D
Acq: 08 Aug 2025 16:54

Tgt Ion: 43 Resp: 15499

Ion	Ratio	Lower	Upper
43	100		
61	10.3	15.1	22.7#
87	3.7	9.7	14.5#



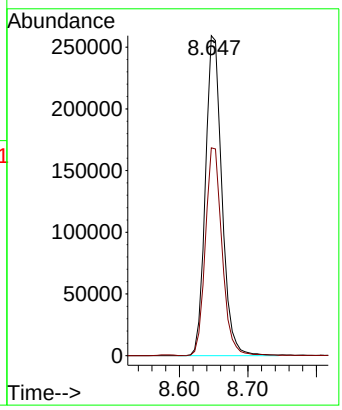


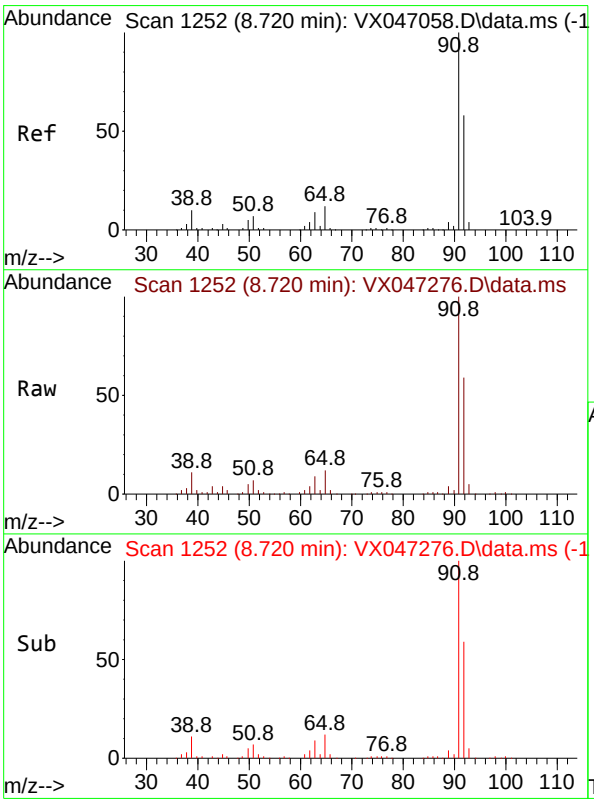
#50
Toluene-d8
Concen: 45.777 ug/l
RT: 8.647 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX047276.D
Acq: 08 Aug 2025 16:54

Instrument :
MSVOA_X
ClientSampleId :
SLUDGE

Tgt Ion: 98 Resp: 433897

Ion	Ratio	Lower	Upper
98	100		
100	66.0	53.3	79.9

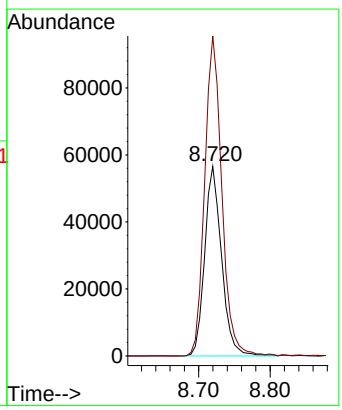


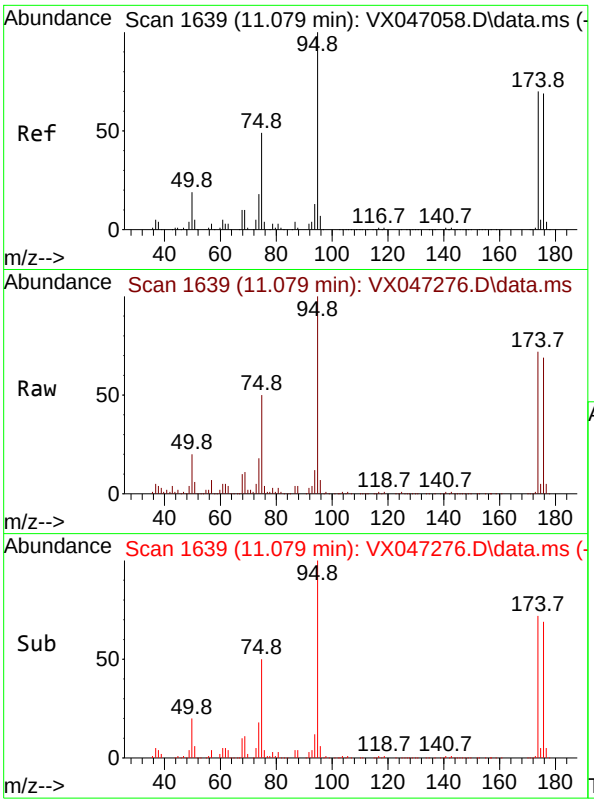


#52
Toluene
Concen: 10.465 ug/l
RT: 8.720 min Scan# 1252
Delta R.T. 0.000 min
Lab File: VX047276.D
Acq: 08 Aug 2025 16:54

Tgt Ion: 92 Resp: 92907

Ion	Ratio	Lower	Upper
92	100		
91	171.0	137.9	206.9



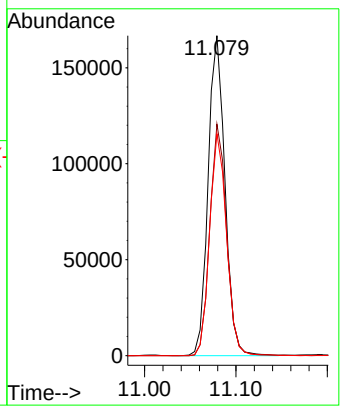


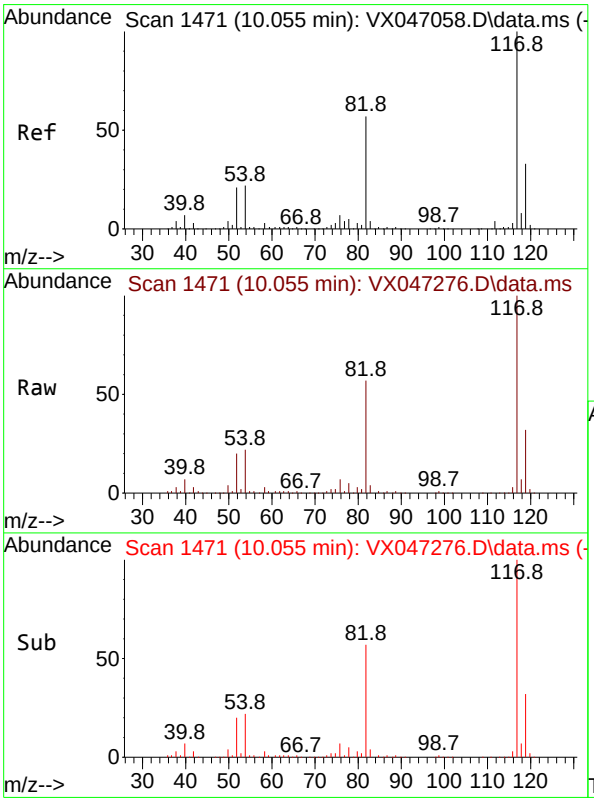
#62
4-Bromofluorobenzene
Concen: 52.078 ug/l
RT: 11.079 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047276.D
Acq: 08 Aug 2025 16:54

Instrument :
MSVOA_X
ClientSampleId :
SLUDGE

Tgt Ion: 95 Resp: 212723

Ion	Ratio	Lower	Upper
95	100		
174	72.1	0.0	144.6
176	70.0	0.0	139.6

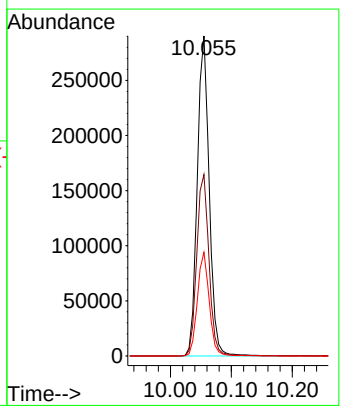


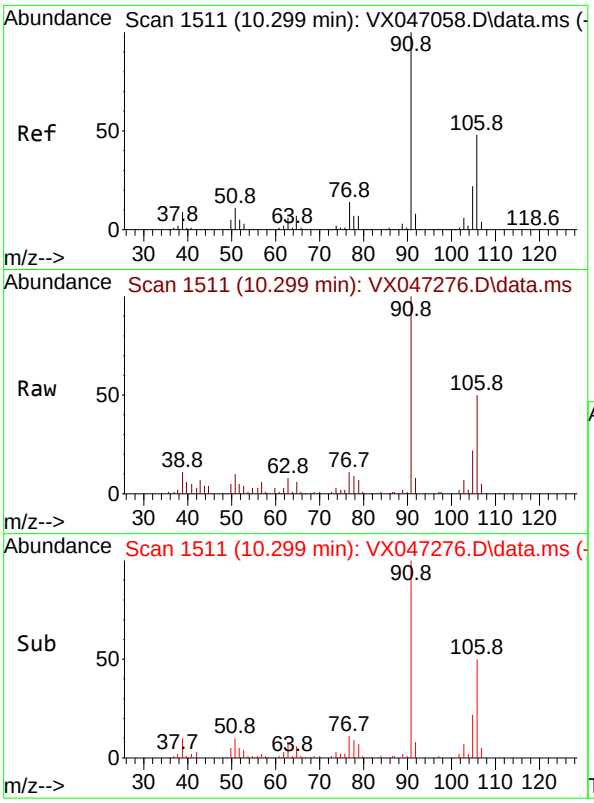


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX047276.D
Acq: 08 Aug 2025 16:54

Tgt Ion:117 Resp: 393822

Ion	Ratio	Lower	Upper
117	100		
82	56.7	45.4	68.2
119	32.4	26.1	39.1



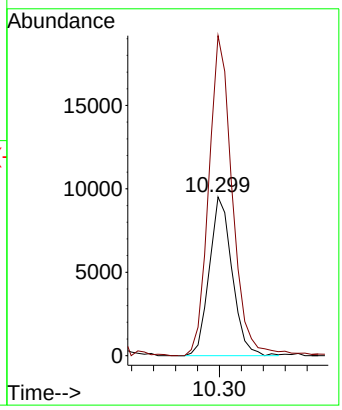


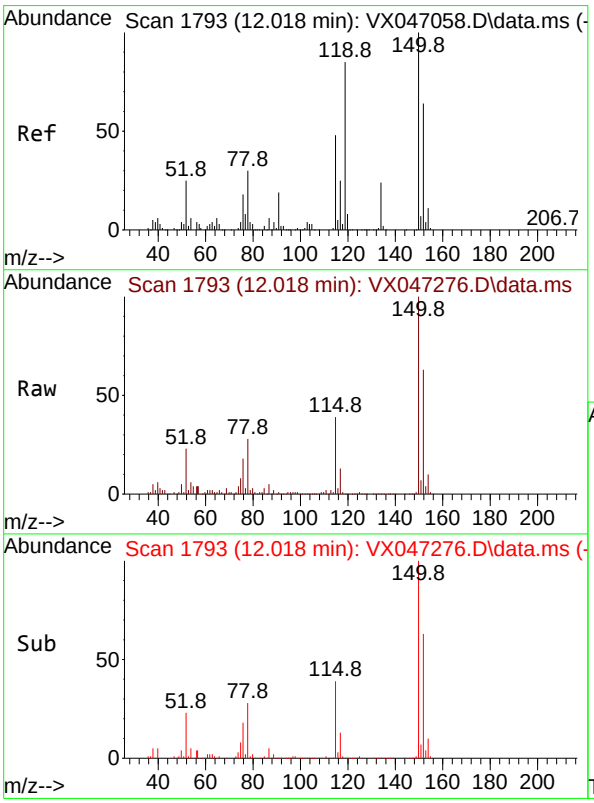
#68
m/p-Xylenes
Concen: 2.278 ug/l
RT: 10.299 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047276.D
Acq: 08 Aug 2025 16:54

Instrument :
MSVOA_X
ClientSampleId :
SLUDGE

Tgt Ion:106 Resp: 13753

Ion	Ratio	Lower	Upper
106	100		
91	209.4	167.4	251.0

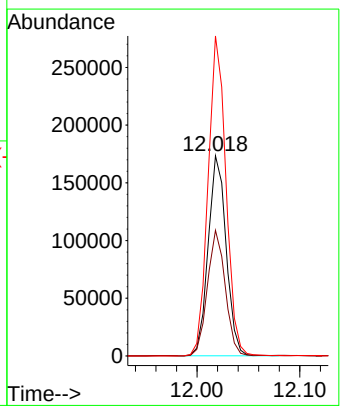


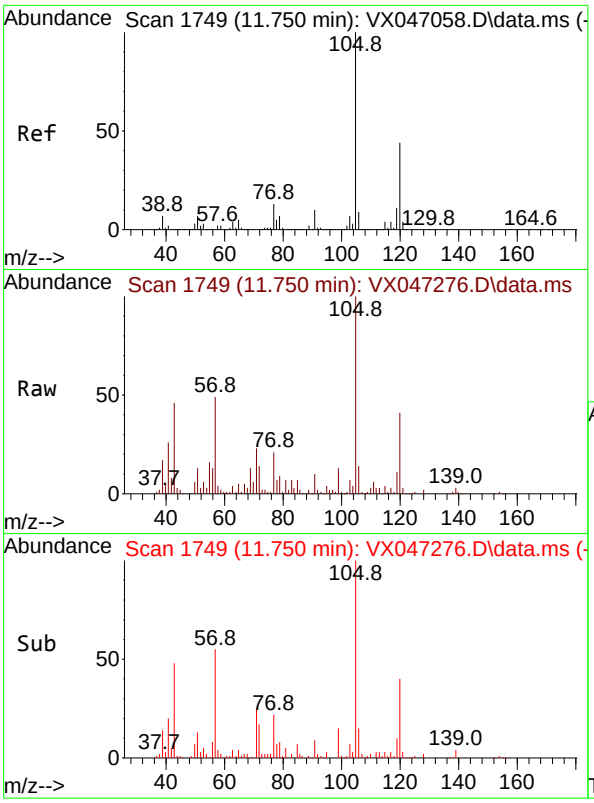


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. 0.000 min
Lab File: VX047276.D
Acq: 08 Aug 2025 16:54

Tgt Ion:152 Resp: 211582

Ion	Ratio	Lower	Upper
152	100		
115	62.1	45.6	136.7
150	158.8	0.0	354.6



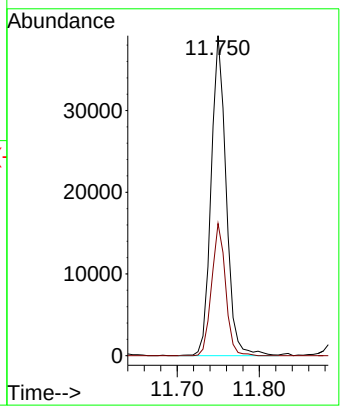


#84
1,2,4-Trimethylbenzene
Concen: 3.613 ug/l
RT: 11.750 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047276.D
Acq: 08 Aug 2025 16:54

Instrument :
MSVOA_X
ClientSampleId :
SLUDGE

Tgt Ion:105 Resp: 49704

Ion	Ratio	Lower	Upper
105	100		
120	38.1	22.0	66.0



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: ARAM01

Lab Code: ACE SDG No.: Q2791

Instrument ID: MSVOA_X Calibration Date(s): 07/21/2025 07/21/2025

Heated Purge: (Y/N) N Calibration Time(s): 09:47 11:32

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

LAB FILE ID: RRF001 = VX047055.D RRF005 = VX047056.D RRF020 = VX047057.D
RRF050 = VX047058.D RRF100 = VX047059.D RRF150 = VX047060.D

COMPOUND	RRF001	RRF005	RRF020	RRF050	RRF100	RRF150	$\overline{RRF}$	% RSD
Vinyl Chloride	0.578	0.739	0.700	0.780	0.716	0.723	0.706	9.7
1,1-Dichloroethene	0.553	0.659	0.635	0.674	0.624	0.625	0.628	6.7
2-Butanone	0.317	0.376	0.371	0.391	0.363	0.362	0.363	6.8
Carbon Tetrachloride	0.526	0.612	0.566	0.595	0.531	0.540	0.562	6.4
Chloroform	1.180	1.357	1.252	1.289	1.175	1.164	1.236	6.2
Benzene	1.327	1.656	1.573	1.650	1.451	1.480	1.523	8.4
1,2-Dichloroethane	0.468	0.587	0.558	0.576	0.512	0.517	0.536	8.5
Trichloroethene	0.350	0.427	0.392	0.420	0.371	0.383	0.391	7.5
Tetrachloroethene	0.322	0.403	0.381	0.376	0.337	0.344	0.360	8.6
Chlorobenzene	1.029	1.295	1.225	1.231	1.114	1.135	1.171	8.2
1,2-Dichloroethane-d4		0.768	0.511	0.575	0.611	0.649	0.623	15.4
Dibromofluoromethane		0.355	0.262	0.296	0.302	0.328	0.309	11.3
Toluene-d8		1.293	0.821	0.924	0.946	1.014	1.000	17.8
4-Bromofluorobenzene		0.514	0.369	0.409	0.417	0.445	0.431	12.5

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

Response Factor Report MSVOA_X2

Method Path : Z:\voasrv\HPCHEM1\MSVOA_X\Method\
Method File : 82X072125W.M
Title : SW846 8260
Last Update : Tue Jul 22 03:59:51 2025
Response Via : Initial Calibration

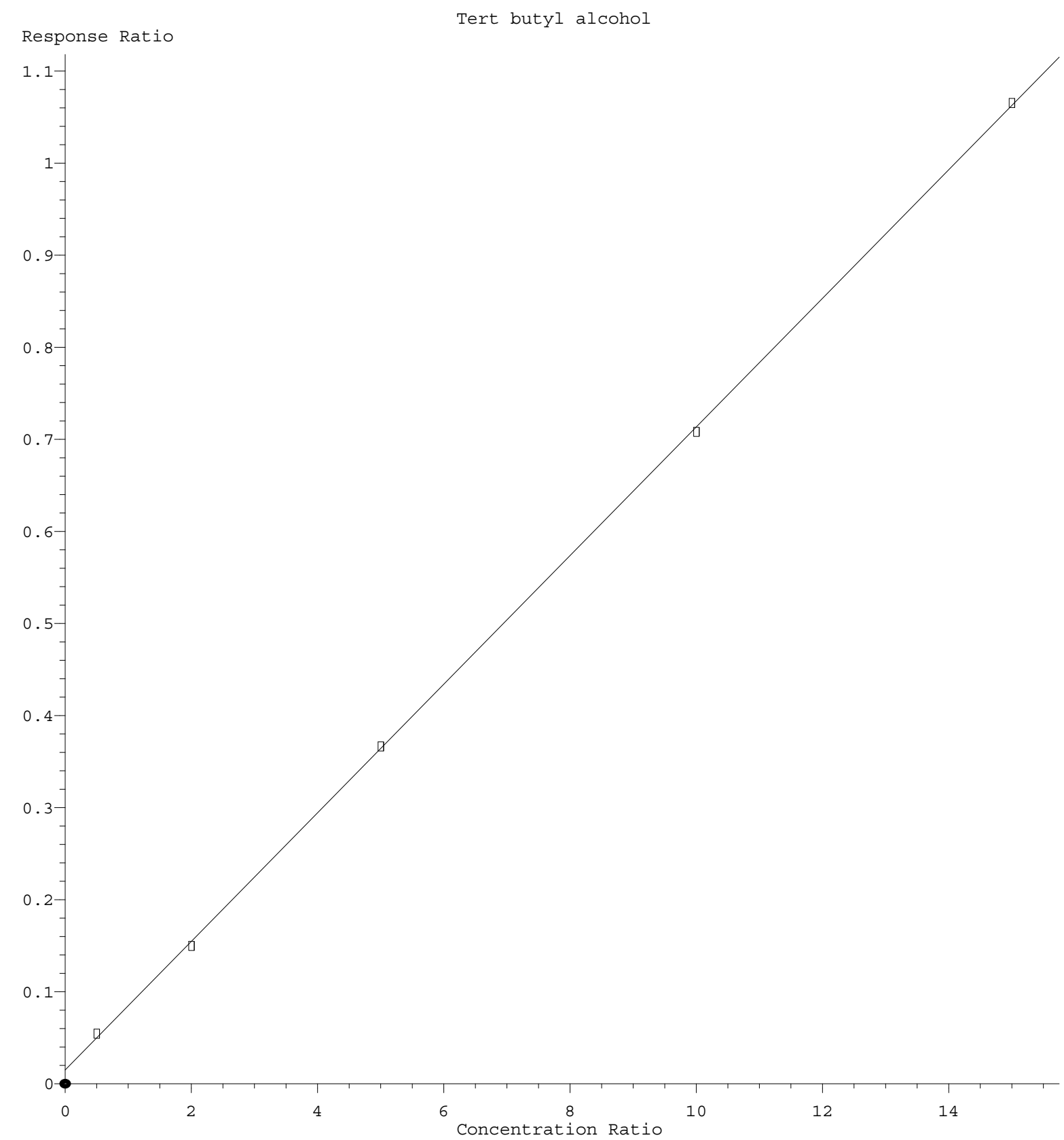
Calibration Files
1 =VX047055.D 5 =VX047056.D 20 =VX047057.D 50 =VX047058.D 100 =VX047059.D 150 =VX047060.D

		Compound	1	5	20	50	100	150	Avg	%RSD
1)	I	Pentafluorobenzene	----------ISTD----------							
2)	T	Dichlorodifluo...	0.516	0.640	0.610	0.768	0.721	0.729	0.664	14.06
3)	P	Chloromethane	0.582	0.668	0.626	0.699	0.667	0.701	0.657	7.01
4)	C	Vinyl Chloride	0.578	0.739	0.700	0.780	0.716	0.723	0.706	9.67#
5)	T	Bromomethane		0.408	0.400	0.448	0.353	0.309	0.384	13.95
6)	T	Chloroethane	0.547	0.482	0.436	0.470	0.423	0.424	0.464	10.27
7)	T	Trichlorofluor...	0.853	1.123	1.058	1.158	1.054	1.071	1.053	10.08
8)	T	Diethyl Ether	0.329	0.395	0.376	0.390	0.367	0.370	0.371	6.26
9)	T	1,1,2-Trichlor...	0.558	0.671	0.646	0.675	0.627	0.631	0.634	6.70
10)	T	Methyl Iodide		0.476	0.552	0.727	0.718	0.760	0.647	19.34
11)	T	Tert butyl alc...		0.109	0.075	0.073	0.071	0.071	0.080	20.51
12)	CM	1,1-Dichloroet...	0.553	0.659	0.635	0.674	0.624	0.625	0.628	6.66#
13)	T	Acrolein		0.135	0.130	0.139	0.133	0.134	0.134	2.33
14)	T	Allyl chloride	0.941	1.191	1.162	1.239	1.139	1.143	1.136	9.00
15)	T	Acrylonitrile	0.208	0.321	0.317	0.329	0.305	0.302	0.297	15.15
16)	T	Acetone	0.268	0.267	0.246	0.252	0.232	0.231	0.250	6.53
17)	T	Carbon Disulfide	1.633	1.926	1.823	1.936	1.783	1.805	1.818	6.09
18)	T	Methyl Acetate	0.657	0.686	0.636	0.688	0.651	0.662	0.663	3.05
19)	T	Methyl tert-bu...	1.640	2.011	1.960	2.055	1.891	1.916	1.912	7.64
20)	T	Methylene Chlo...	0.635	0.751	0.708	0.722	0.653	0.651	0.686	6.83
21)	T	trans-1,2-Dich...	0.531	0.701	0.667	0.695	0.632	0.632	0.643	9.69
22)	T	Diisopropyl ether	1.808	2.393	2.289	2.362	2.126	2.124	2.184	9.93
23)	T	Vinyl Acetate	1.333	1.804	1.858	1.940	1.792	1.782	1.752	12.18
24)	P	1,1-Dichloroet...	1.044	1.327	1.245	1.300	1.177	1.193	1.214	8.40
25)	T	2-Butanone	0.317	0.376	0.371	0.391	0.363	0.362	0.363	6.85
26)	T	2,2-Dichloropr...	0.874	1.011	0.928	0.979	0.912	0.937	0.940	5.20
27)	T	cis-1,2-Dichlo...	0.670	0.832	0.777	0.807	0.739	0.744	0.761	7.56
28)	T	Bromochloromet...	0.457	0.608	0.568	0.609	0.559	0.550	0.559	9.95
29)	T	Tetrahydrofuran	0.182	0.250	0.244	0.256	0.238	0.236	0.234	11.35
30)	C	Chloroform	1.180	1.357	1.252	1.289	1.175	1.164	1.236	6.22#
31)	T	Cyclohexane		1.221	1.187	1.215	1.099	1.101	1.164	5.19
32)	T	1,1,1-Trichlor...	0.961	1.156	1.101	1.127	1.041	1.057	1.074	6.49
33)	S	1,2-Dichloroet...		0.768	0.511	0.575	0.611	0.649	0.623	15.42
34)	I	1,4-Difluorobenzene	----------ISTD----------							
35)	S	Dibromofluorom...		0.355	0.262	0.296	0.302	0.328	0.309	11.30
36)	T	1,1-Dichloropr...	0.576	0.527	0.528	0.547	0.484	0.495	0.526	6.34
37)	T	Ethyl Acetate	0.496	0.537	0.438	0.511	0.462	0.466	0.485	7.48
38)	T	Carbon Tetrach...	0.526	0.612	0.566	0.595	0.531	0.540	0.562	6.35
39)	T	Methylcyclohexane	0.583	0.693	0.674	0.699	0.640	0.653	0.657	6.46
40)	TM	Benzene	1.327	1.656	1.573	1.650	1.451	1.480	1.523	8.41
41)	T	Methacrylonitrile	0.186	0.259	0.258	0.292	0.265	0.262	0.254	13.95
42)	TM	1,2-Dichloroet...	0.468	0.587	0.558	0.576	0.512	0.517	0.536	8.46
43)	T	Isopropyl Acetate	0.527	0.792	0.786	0.850	0.779	0.802	0.756	15.22
44)	TM	Trichloroethene	0.350	0.427	0.392	0.420	0.371	0.383	0.391	7.51
45)	C	1,2-Dichloropr...	0.334	0.419	0.393	0.408	0.363	0.371	0.381	8.25#
46)	T	Dibromomethane	0.204	0.304	0.275	0.294	0.261	0.267	0.267	13.17
47)	T	Bromodichlorom...	0.494	0.626	0.579	0.617	0.543	0.557	0.569	8.68
48)	T	Methyl methacr...	0.418	0.400	0.397	0.440	0.404	0.413	0.412	3.83
49)	T	1,4-Dioxane	0.003	0.005	0.005	0.005	0.005	0.005	0.005	17.78
50)	S	Toluene-d8		1.293	0.821	0.924	0.946	1.014	1.000	17.79
51)	T	4-Methyl-2-Pen...	0.371	0.477	0.470	0.497	0.440	0.440	0.449	9.81
52)	CM	Toluene	0.762	1.047	0.987	1.017	0.896	0.910	0.936	11.12#
53)	T	t-1,3-Dichloro...	0.429	0.549	0.546	0.592	0.548	0.562	0.538	10.42
54)	T	cis-1,3-Dichlo...	0.442	0.611	0.618	0.653	0.593	0.614	0.588	12.62
55)	T	1,1,2-Trichlor...	0.300	0.391	0.373	0.376	0.332	0.335	0.351	9.87
56)	T	Ethyl methacry...	0.342	0.527	0.556	0.596	0.544	0.555	0.520	17.35

Method Path : Z:\voasrv\HPCHEM1\MSVOA_X\Method\
Method File : 82X072125W.M

57)	T	1,3-Dichloropr...	0.530	0.687	0.639	0.653	0.576	0.577	0.610	9.62
58)	T	2-Chloroethyl ...	0.189	0.360	0.271	0.323	0.296	0.297	0.289	19.88
59)	T	2-Hexanone	0.192	0.312	0.324	0.343	0.305	0.304	0.297	17.93
60)	T	Dibromochlorom...	0.343	0.449	0.428	0.444	0.398	0.409	0.412	9.45
61)	T	1,2-Dibromoethane	0.334	0.398	0.377	0.395	0.349	0.351	0.367	7.28
62)	S	4-Bromofluorob...		0.514	0.369	0.409	0.417	0.445	0.431	12.53
63)	I	Chlorobenzene-d5	----------ISTD----------							
64)	T	Tetrachloroethene	0.322	0.403	0.381	0.376	0.337	0.344	0.360	8.62
65)	PM	Chlorobenzene	1.029	1.295	1.225	1.231	1.114	1.135	1.171	8.24
66)	T	1,1,1,2-Tetrac...	0.354	0.415	0.404	0.419	0.381	0.392	0.394	6.20
67)	C	Ethyl Benzene	1.814	2.189	2.119	2.204	1.975	1.987	2.048	7.35#
68)	T	m/p-Xylenes	0.693	0.827	0.795	0.818	0.734	0.732	0.766	7.07
69)	T	o-Xylene	0.586	0.820	0.769	0.785	0.704	0.711	0.729	11.38
70)	T	Styrene	1.024	1.356	1.332	1.361	1.209	1.219	1.250	10.38
71)	P	Bromoform	0.257	0.323	0.302	0.325	0.292	0.299	0.300	8.23
72)	I	1,4-Dichlorobenzen...	----------ISTD----------							
73)	T	Isopropylbenzene	3.180	4.148	4.146	4.309	3.907	3.979	3.945	10.16
74)	T	N-amyl acetate	1.260	1.501	1.617	1.784	1.658	1.729	1.592	11.89
75)	P	1,1,2,2-Tetrac...	0.979	1.203	1.182	1.210	1.085	1.103	1.127	7.93
76)	T	1,2,3-Trichlor...	0.753	1.027	0.956	0.991	0.904	0.923	0.925	10.32
77)	T	Bromobenzene	0.796	0.997	0.997	1.017	0.925	0.945	0.946	8.58
78)	T	n-propylbenzene	3.796	5.061	4.947	5.118	4.618	4.743	4.714	10.36
79)	T	2-Chlorotoluene	2.428	3.036	2.895	3.029	2.730	2.789	2.818	8.07
80)	T	1,3,5-Trimethy...	2.639	3.508	3.437	3.523	3.181	3.265	3.259	10.22
81)	T	trans-1,4-Dich...		0.301	0.331	0.391	0.375	0.398	0.359	11.62
82)	T	4-Chlorotoluene	2.721	3.585	3.445	3.569	3.183	3.232	3.289	9.88
83)	T	tert-Butylbenzene	2.745	3.433	3.364	3.586	3.198	3.299	3.271	8.83
84)	T	1,2,4-Trimethy...	2.502	3.544	3.415	3.577	3.197	3.269	3.251	12.17
85)	T	sec-Butylbenzene	3.328	4.476	4.269	4.398	3.993	4.056	4.087	10.19
86)	T	p-Isopropyltol...	2.626	3.699	3.570	3.704	3.334	3.402	3.389	11.90
87)	T	1,3-Dichlorobe...	1.562	1.968	1.869	1.908	1.704	1.776	1.798	8.30
88)	T	1,4-Dichlorobe...	1.659	1.982	1.903	1.893	1.723	1.767	1.821	6.79
89)	T	n-Butylbenzene	2.645	3.317	3.324	3.456	3.141	3.187	3.178	8.94
90)	T	Hexachloroethane	0.519	0.601	0.603	0.655	0.619	0.640	0.606	7.84
91)	T	1,2-Dichlorobe...	1.533	1.873	1.764	1.824	1.625	1.691	1.718	7.40
92)	T	1,2-Dibromo-3-...	0.140	0.223	0.223	0.239	0.231	0.242	0.216	17.61
93)	T	1,2,4-Trichlor...	0.919	1.189	1.159	1.224	1.144	1.176	1.135	9.64
94)	T	Hexachlorobuta...	0.334	0.396	0.407	0.406	0.392	0.382	0.386	6.99
95)	T	Naphthalene	2.369	3.231	3.425	3.753	3.499	3.691	3.328	15.20
96)	T	1,2,3-Trichlor...	0.925	1.120	1.117	1.172	1.102	1.126	1.094	7.87

(#) = Out of Range



Response = 6.981e-002 * Amt + 1.498e-002
Coef of Det (r^2) = 0.999878 Curve Fit: Linear
Method Name: Z:\voasrv\HPCHEM1\MSVOA X\Method\82X072125W.M
Calibration Table Last Updated: Tue Jul 22 03:59:51 2025

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX072125\
Data File : VX047055.D
Acq On : 21 Jul 2025 09:47
Operator : JC/MD
Sample : VSTDICC001
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED

Reviewed By :John Carlone 07/22/2025
Supervised By :Mahesh Dadoda 07/22/2025

Quant Time: Jul 22 03:35:51 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072125W.M
Quant Title : SW846 8260
QLast Update : Tue Jul 22 03:35:16 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Pentafluorobenzene	5.562	168	337975	50.000	ug/l		0.00
34) 1,4-Difluorobenzene	6.769	114	582229	50.000	ug/l		0.00
63) Chlorobenzene-d5	10.055	117	522701	50.000	ug/l		0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	266871	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	1.185	85	3490	0.777	ug/l		87
3) Chloromethane	1.307	50	3931	0.885	ug/l	#	86
4) Vinyl Chloride	1.392	62	3909	0.819	ug/l		94
6) Chloroethane	1.709	64	3698	1.180	ug/l		95
7) Trichlorofluoromethane	1.910	101	5767	0.810	ug/l		91
8) Diethyl Ether	2.154	74	2227	0.887	ug/l		93
9) 1,1,2-Trichlorotrifluo...	2.349	101	3769	0.879	ug/l		98
12) 1,1-Dichloroethene	2.343	96	3739	0.880	ug/l		94
14) Allyl chloride	2.684	41	6361	0.829	ug/l		86
15) Acrylonitrile	3.087	53	7013	3.493	ug/l		86
16) Acetone	2.392	43	9071	5.378	ug/l	#	88
17) Carbon Disulfide	2.532	76	11039	0.898	ug/l	#	91
18) Methyl Acetate	2.715	43	4440	0.991	ug/l	#	68
19) Methyl tert-butyl Ether	3.130	73	11087	0.858	ug/l		98
20) Methylene Chloride	2.800	84	4289	0.924	ug/l	#	91
21) trans-1,2-Dichloroethene	3.111	96	3590	0.826	ug/l	#	92
22) Diisopropyl ether	3.776	45	12222	0.828	ug/l		92
23) Vinyl Acetate	3.739	43	45048	3.805	ug/l		100
24) 1,1-Dichloroethane	3.629	63	7054	0.859	ug/l	#	94
25) 2-Butanone	4.617	43	10725	4.367	ug/l		99
26) 2,2-Dichloropropane	4.495	77	5905	0.929	ug/l		88
27) cis-1,2-Dichloroethene	4.501	96	4527	0.880	ug/l		84
28) Bromochloromethane	4.916	49	3092	0.819	ug/l	#	98
29) Tetrahydrofuran	5.032	42	6164	3.890	ug/l	#	87
30) Chloroform	5.111	83	7976	0.955	ug/l		86
32) 1,1,1-Trichloroethane	5.397	97	6496	0.895	ug/l	#	51
36) 1,1-Dichloropropene	5.708	75	6705	1.094	ug/l	#	87
37) Ethyl Acetate	4.751	43	5770m	1.068	ug/l		
38) Carbon Tetrachloride	5.696	117	6120	0.936	ug/l		96
39) Methylcyclohexane	7.379	83	6794	0.888	ug/l		90
40) Benzene	6.050	78	15450	0.871	ug/l		91
41) Methacrylonitrile	4.971	41	2166	0.734	ug/l	#	74
42) 1,2-Dichloroethane	6.105	62	5449	0.872	ug/l		98
43) Isopropyl Acetate	6.367	43	6134	0.697	ug/l	#	94
44) Trichloroethene	7.147	130	4075	0.896	ug/l		62
45) 1,2-Dichloropropane	7.440	63	3895	0.877	ug/l		93

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX072125\
Data File : VX047055.D
Acq On : 21 Jul 2025 09:47
Operator : JC/MD
Sample : VSTDICC001
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED

Reviewed By :John Carlone 07/22/2025
Supervised By :Mahesh Dadoda 07/22/2025

Quant Time: Jul 22 03:35:51 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072125W.M
Quant Title : SW846 8260
QLast Update : Tue Jul 22 03:35:16 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
46) Dibromomethane	7.592	93	2372	0.762	ug/l		88
47) Bromodichloromethane	7.830	83	5749	0.867	ug/l	#	87
48) Methyl methacrylate	7.714	41	4863m	1.014	ug/l		
49) 1,4-Dioxane	7.684	88	700m	12.834	ug/l		
51) 4-Methyl-2-Pentanone	8.580	43	21616	4.131	ug/l		95
52) Toluene	8.726	92	8872	0.814	ug/l		96
53) t-1,3-Dichloropropene	8.994	75	4993	0.798	ug/l		93
54) cis-1,3-Dichloropropene	8.379	75	5149	0.751	ug/l	#	73
55) 1,1,2-Trichloroethane	9.153	97	3490	0.853	ug/l	#	88
56) Ethyl methacrylate	9.128	69	3978	0.657	ug/l		91
57) 1,3-Dichloropropane	9.311	76	6170	0.868	ug/l	#	88
58) 2-Chloroethyl Vinyl ether	8.251	63	11010	3.268	ug/l		98
59) 2-Hexanone	9.439	43	11200	3.240	ug/l		87
60) Dibromochloromethane	9.525	129	3998	0.834	ug/l		91
61) 1,2-Dibromoethane	9.616	107	3885	0.909	ug/l		98
64) Tetrachloroethene	9.275	164	3363	0.892	ug/l	#	90
65) Chlorobenzene	10.080	112	10754	0.878	ug/l	#	80
66) 1,1,1,2-Tetrachloroethane	10.165	131	3699	0.897	ug/l	#	64
67) Ethyl Benzene	10.195	91	18959	0.886	ug/l		100
68) m/p-Xylenes	10.299	106	14496	1.809	ug/l		94
69) o-Xylene	10.640	106	6125	0.804	ug/l		91
70) Styrene	10.659	104	10704	0.819	ug/l		93
71) Bromoform	10.799	173	2687	0.858	ug/l	#	97
73) Isopropylbenzene	10.964	105	16971	0.806	ug/l		100
74) N-amyl acetate	10.848	43	6726m	0.801	ug/l		
75) 1,1,2,2-Tetrachloroethane	11.213	83	5223	0.868	ug/l		96
76) 1,2,3-Trichloropropane	11.244	75	4019m	0.814	ug/l		
77) Bromobenzene	11.201	156	4251	0.842	ug/l		94
78) n-propylbenzene	11.305	91	20259	0.805	ug/l		99
79) 2-Chlorotoluene	11.366	91	12959	0.862	ug/l		98
80) 1,3,5-Trimethylbenzene	11.451	105	14083	0.810	ug/l		98
82) 4-Chlorotoluene	11.457	91	14521	0.827	ug/l		97
83) tert-Butylbenzene	11.713	119	14652	0.839	ug/l		97
84) 1,2,4-Trimethylbenzene	11.750	105	13354	0.770	ug/l		98
85) sec-Butylbenzene	11.890	105	17765	0.814	ug/l		95
86) p-Isopropyltoluene	12.006	119	14016	0.775	ug/l		89
87) 1,3-Dichlorobenzene	11.969	146	8335	0.869	ug/l		97
88) 1,4-Dichlorobenzene	12.043	146	8857m	0.911	ug/l		
89) n-Butylbenzene	12.329	91	14116	0.832	ug/l		95
90) Hexachloroethane	12.536	117	2772	0.857	ug/l		90
91) 1,2-Dichlorobenzene	12.335	146	8184	0.892	ug/l		95
92) 1,2-Dibromo-3-Chloropr...	12.945	75	749	0.649	ug/l		92
93) 1,2,4-Trichlorobenzene	13.591	180	4906	0.810	ug/l		98
94) Hexachlorobutadiene	13.725	225	1785	0.866	ug/l		98
95) Naphthalene	13.780	128	12647	0.712	ug/l		97
96) 1,2,3-Trichlorobenzene	13.963	180	4936	0.846	ug/l		95

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

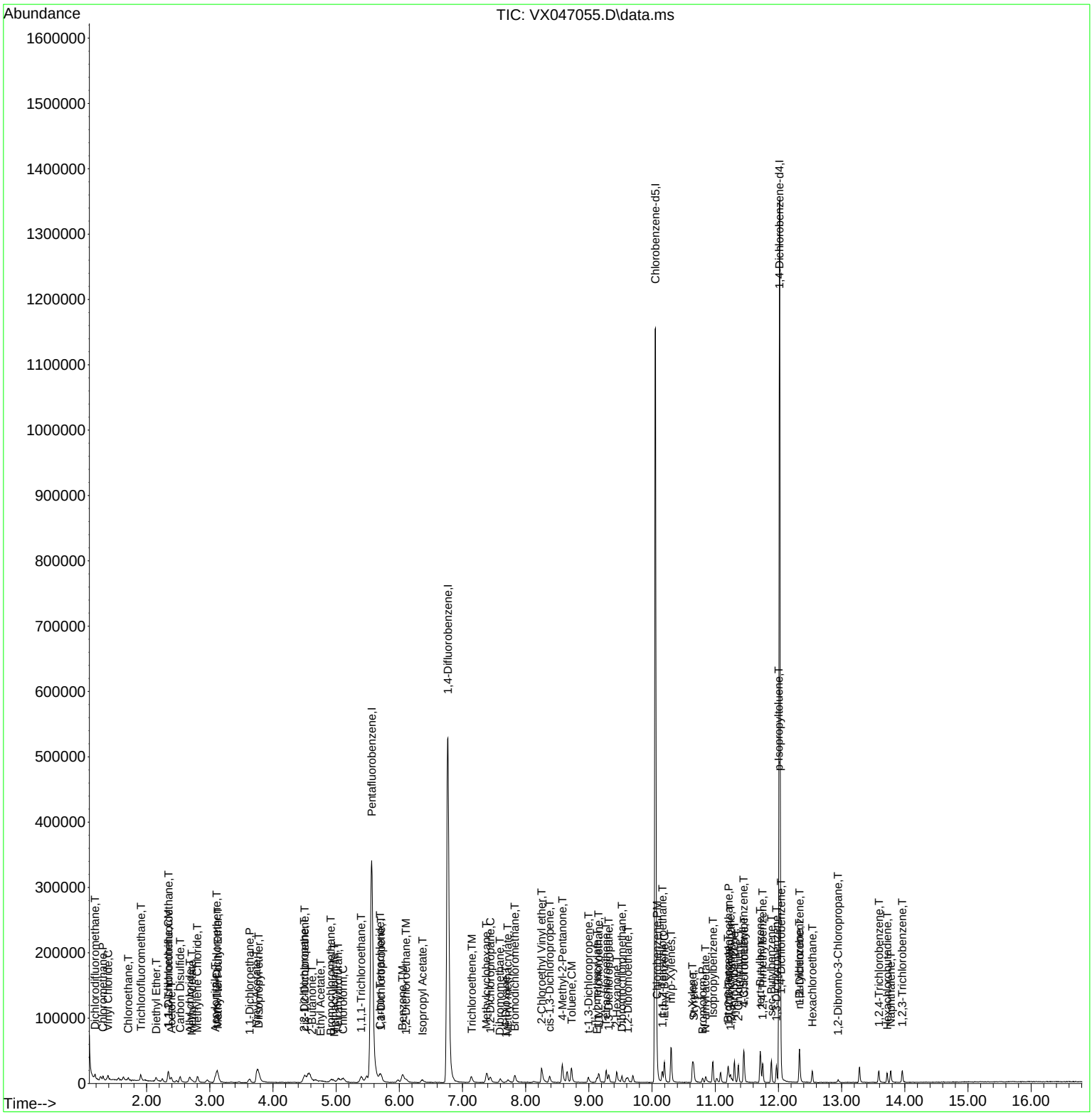
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX072125\
Data File : VX047055.D
Acq On : 21 Jul 2025 09:47
Operator : JC/MD
Sample : VSTDICC001
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jul 22 03:35:51 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072125W.M
Quant Title : SW846 8260
QLast Update : Tue Jul 22 03:35:16 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED

Reviewed By :John Carlone 07/22/2025
Supervised By :Mahesh Dadoda 07/22/2025



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX072125\
Data File : VX047056.D
Acq On : 21 Jul 2025 10:08
Operator : JC/MD
Sample : VSTDICC005
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

Reviewed By :John Carlone 07/22/2025
Supervised By :Mahesh Dadoda 07/22/2025

Quant Time: Jul 22 03:36:47 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072125W.M
Quant Title : SW846 8260
QLast Update : Tue Jul 22 03:35:16 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.562	168	319458	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	542097	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	488683	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	246301	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.970	65	24550	6.169	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	12.340%#		
35) Dibromofluoromethane	5.403	113	19243	5.749	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	11.500%#		
50) Toluene-d8	8.652	98	70081	6.465	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	12.940%#		
62) 4-Bromofluorobenzene	11.079	95	27880	5.968	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	11.940%#		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.184	85	20453	4.820	ug/l	95
3) Chloromethane	1.306	50	21331	5.082	ug/l	97
4) Vinyl Chloride	1.385	62	23623	5.236	ug/l	100
5) Bromomethane	1.617	94	13048	5.324	ug/l	88
6) Chloroethane	1.702	64	15411	5.200	ug/l	98
7) Trichlorofluoromethane	1.904	101	35886	5.334	ug/l	96
8) Diethyl Ether	2.148	74	12607	5.315	ug/l	98
9) 1,1,2-Trichlorotrifluo...	2.343	101	21422	5.285	ug/l	98
10) Methyl Iodide	2.471	142	15201	3.680	ug/l	93
11) Tert butyl alcohol	2.964	59	17392	28.263	ug/l #	92
12) 1,1-Dichloroethene	2.337	96	21053	5.244	ug/l	91
13) Acrolein	2.251	56	21604	25.213	ug/l	99
14) Allyl chloride	2.678	41	38039	5.242	ug/l	99
15) Acrylonitrile	3.074	53	51340	27.051	ug/l	100
16) Acetone	2.391	43	42718	26.796	ug/l	99
17) Carbon Disulfide	2.526	76	61522	5.297	ug/l	100
18) Methyl Acetate	2.721	43	21905	5.171	ug/l	99
19) Methyl tert-butyl Ether	3.129	73	64256	5.259	ug/l	96
20) Methylene Chloride	2.806	84	23989	5.470	ug/l	93
21) trans-1,2-Dichloroethene	3.111	96	22396	5.451	ug/l	96
22) Diisopropyl ether	3.775	45	76458	5.480	ug/l	97
23) Vinyl Acetate	3.739	43	288230	25.756	ug/l	100
24) 1,1-Dichloroethane	3.623	63	42402	5.465	ug/l	96
25) 2-Butanone	4.574	43	60022	25.858	ug/l	97
26) 2,2-Dichloropropane	4.489	77	32298	5.378	ug/l	97
27) cis-1,2-Dichloroethene	4.507	96	26579	5.463	ug/l	98
28) Bromochloromethane	4.921	49	19435	5.445	ug/l	96
29) Tetrahydrofuran	5.031	42	39885	26.631	ug/l	96
30) Chloroform	5.110	83	43336	5.487	ug/l	93
31) Cyclohexane	5.482	56	38990	5.241	ug/l	97
32) 1,1,1-Trichloroethane	5.391	97	36920	5.382	ug/l	98
36) 1,1-Dichloropropene	5.702	75	28590	5.011	ug/l	98
37) Ethyl Acetate	4.739	43	29112m	5.790	ug/l	
38) Carbon Tetrachloride	5.690	117	33199	5.452	ug/l	97
39) Methylcyclohexane	7.384	83	37547	5.271	ug/l	95
40) Benzene	6.049	78	89797	5.438	ug/l	98

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX072125\
Data File : VX047056.D
Acq On : 21 Jul 2025 10:08
Operator : JC/MD
Sample : VSTDICC005
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jul 22 03:36:47 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072125W.M
Quant Title : SW846 8260
QLast Update : Tue Jul 22 03:35:16 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

Reviewed By :John Carlone 07/22/2025
Supervised By :Mahesh Dadoda 07/22/2025

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
41) Methacrylonitrile	4.934	41	14018	5.100 ug/l	98
42) 1,2-Dichloroethane	6.092	62	31844	5.475 ug/l	96
43) Isopropyl Acetate	6.354	43	42946	5.240 ug/l	95
44) Trichloroethene	7.134	130	23153	5.468 ug/l	81
45) 1,2-Dichloropropane	7.439	63	22722	5.494 ug/l	93
46) Dibromomethane	7.592	93	16479	5.682 ug/l	97
47) Bromodichloromethane	7.823	83	33939	5.498 ug/l	99
48) Methyl methacrylate	7.701	41	21660	4.851 ug/l	99
49) 1,4-Dioxane	7.671	88	5549	109.271 ug/l #	92
51) 4-Methyl-2-Pentanone	8.573	43	129413	26.565 ug/l	97
52) Toluene	8.720	92	56775	5.592 ug/l	100
53) t-1,3-Dichloropropene	8.982	75	29776	5.108 ug/l	94
54) cis-1,3-Dichloropropene	8.372	75	33127	5.193 ug/l	98
55) 1,1,2-Trichloroethane	9.152	97	21223	5.574 ug/l	97
56) Ethyl methacrylate	9.116	69	28587	5.072 ug/l	96
57) 1,3-Dichloropropane	9.311	76	37251	5.629 ug/l	100
58) 2-Chloroethyl Vinyl ether	8.244	63	97443	31.066 ug/l	98
59) 2-Hexanone	9.433	43	84572	26.276 ug/l	99
60) Dibromochloromethane	9.518	129	24354	5.454 ug/l	99
61) 1,2-Dibromoethane	9.610	107	21578	5.420 ug/l	98
64) Tetrachloroethene	9.274	164	19701	5.592 ug/l	96
65) Chlorobenzene	10.079	112	63268	5.526 ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.164	131	20300	5.267 ug/l	99
67) Ethyl Benzene	10.195	91	106984	5.345 ug/l	96
68) m/p-Xylenes	10.299	106	80835	10.791 ug/l	99
69) o-Xylene	10.640	106	40071	5.623 ug/l	94
70) Styrene	10.658	104	66283	5.424 ug/l	100
71) Bromoform	10.798	173	15763	5.384 ug/l #	97
73) Isopropylbenzene	10.963	105	102157	5.257 ug/l	97
74) N-amyl acetate	10.841	43	36965	4.769 ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.207	83	29627	5.338 ug/l	99
76) 1,2,3-Trichloropropane	11.237	75	25285m	5.546 ug/l	
77) Bromobenzene	11.195	156	24549	5.267 ug/l	95
78) n-propylbenzene	11.304	91	124648	5.368 ug/l	100
79) 2-Chlorotoluene	11.365	91	74781	5.387 ug/l	100
80) 1,3,5-Trimethylbenzene	11.451	105	86414	5.383 ug/l	100
81) trans-1,4-Dichloro-2-b...	11.018	75	7407	4.186 ug/l	86
82) 4-Chlorotoluene	11.457	91	88304	5.450 ug/l	99
83) tert-Butylbenzene	11.713	119	84560	5.248 ug/l	97
84) 1,2,4-Trimethylbenzene	11.749	105	87289	5.451 ug/l	99
85) sec-Butylbenzene	11.890	105	110255	5.477 ug/l	100
86) p-Isopropyltoluene	12.006	119	91112	5.457 ug/l	100
87) 1,3-Dichlorobenzene	11.969	146	48466	5.473 ug/l	98
88) 1,4-Dichlorobenzene	12.036	146	48817	5.441 ug/l	95
89) n-Butylbenzene	12.329	91	81710	5.219 ug/l	99
90) Hexachloroethane	12.536	117	14794	4.953 ug/l	97
91) 1,2-Dichlorobenzene	12.335	146	46129	5.450 ug/l	100
92) 1,2-Dibromo-3-Chloropr...	12.938	75	5485	5.148 ug/l	95
93) 1,2,4-Trichlorobenzene	13.585	180	29296	5.239 ug/l	99
94) Hexachlorobutadiene	13.719	225	9742	5.122 ug/l	91
95) Naphthalene	13.774	128	79568	4.854 ug/l	99
96) 1,2,3-Trichlorobenzene	13.962	180	27584	5.120 ug/l	98

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX072125\
Data File : VX047056.D
Acq On : 21 Jul 2025 10:08
Operator : JC/MD
Sample : VSTDICC005
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

Reviewed By :John Carlone 07/22/2025
Supervised By :Mahesh Dadoda 07/22/2025

Quant Time: Jul 22 03:36:47 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072125W.M
Quant Title : SW846 8260
QLast Update : Tue Jul 22 03:35:16 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

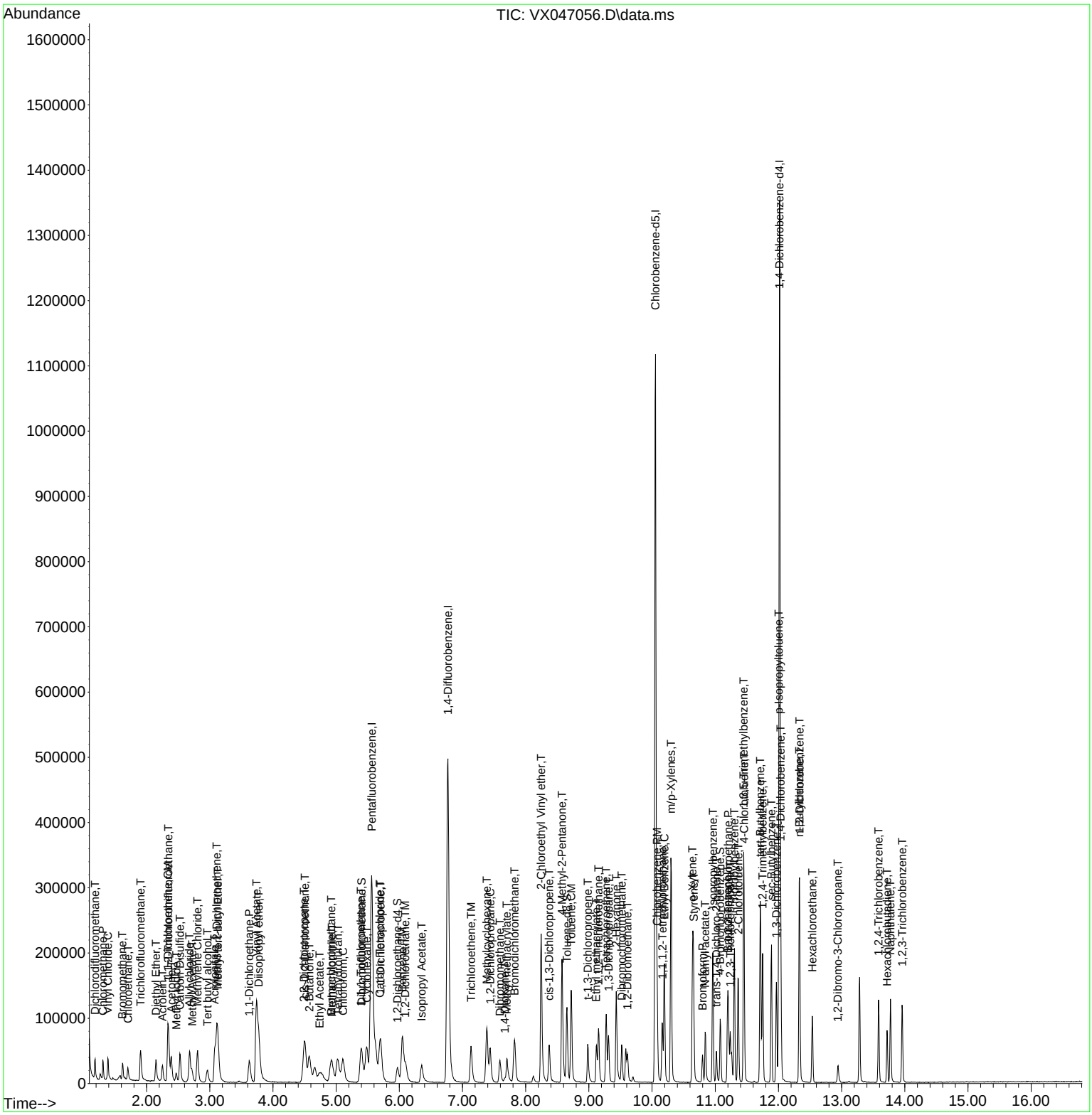
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX072125\
Data File : VX047056.D
Acq On : 21 Jul 2025 10:08
Operator : JC/MD
Sample : VSTDICC005
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jul 22 03:36:47 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072125W.M
Quant Title : SW846 8260
QLast Update : Tue Jul 22 03:35:16 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

Reviewed By :John Carlone 07/22/2025
Supervised By :Mahesh Dadoda 07/22/2025



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX072125\
Data File : VX047057.D
Acq On : 21 Jul 2025 10:29
Operator : JC/MD
Sample : VSTDICC020
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

Reviewed By :John Carlone 07/22/2025
Supervised By :Mahesh Dadoda 07/22/2025

Quant Time: Jul 22 03:37:43 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072125W.M
Quant Title : SW846 8260
QLast Update : Tue Jul 22 03:35:16 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.562	168	320913	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	544303	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	486572	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	240632	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	65541	16.395	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	32.800%#		
35) Dibromofluoromethane	5.397	113	57105	16.992	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	33.980%#		
50) Toluene-d8	8.653	98	178825	16.431	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	32.860%#		
62) 4-Bromofluorobenzene	11.079	95	80359	17.133	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	34.260%#		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.184	85	78327	18.376	ug/l	99
3) Chloromethane	1.306	50	80305	19.046	ug/l	98
4) Vinyl Chloride	1.386	62	89887	19.832	ug/l	96
5) Bromomethane	1.617	94	51290	20.832	ug/l	92
6) Chloroethane	1.703	64	55955	18.797	ug/l	99
7) Trichlorofluoromethane	1.904	101	135815	20.095	ug/l	98
8) Diethyl Ether	2.148	74	48319	20.277	ug/l	98
9) 1,1,2-Trichlorotrifluo...	2.343	101	82864	20.350	ug/l	100
10) Methyl Iodide	2.465	142	70850	17.073	ug/l	98
11) Tert butyl alcohol	2.959	59	48048	96.502	ug/l	98
12) 1,1-Dichloroethene	2.337	96	81489	20.206	ug/l	96
13) Acrolein	2.245	56	83483	96.989	ug/l	97
14) Allyl chloride	2.678	41	149196	20.465	ug/l	99
15) Acrylonitrile	3.074	53	203243	106.603	ug/l	100
16) Acetone	2.385	43	157932	98.619	ug/l	97
17) Carbon Disulfide	2.526	76	234036	20.059	ug/l	99
18) Methyl Acetate	2.715	43	81624	19.180	ug/l	97
19) Methyl tert-butyl Ether	3.123	73	251581	20.497	ug/l	99
20) Methylene Chloride	2.806	84	90849	20.621	ug/l	99
21) trans-1,2-Dichloroethene	3.105	96	85583	20.738	ug/l	97
22) Diisopropyl ether	3.769	45	293875	20.967	ug/l	91
23) Vinyl Acetate	3.733	43	1192633	106.090	ug/l	99
24) 1,1-Dichloroethane	3.623	63	159828	20.507	ug/l	99
25) 2-Butanone	4.568	43	238246	102.172	ug/l	97
26) 2,2-Dichloropropane	4.495	77	119113	19.743	ug/l	100
27) cis-1,2-Dichloroethene	4.501	96	99794	20.420	ug/l	99
28) Bromochloromethane	4.909	49	72912	20.334	ug/l	97
29) Tetrahydrofuran	5.019	42	156819	104.232	ug/l	100
30) Chloroform	5.104	83	160698	20.255	ug/l	100
31) Cyclohexane	5.482	56	152430	20.397	ug/l	99
32) 1,1,1-Trichloroethane	5.391	97	141289	20.503	ug/l	100
36) 1,1-Dichloropropene	5.702	75	114925	20.062	ug/l	99
37) Ethyl Acetate	4.726	43	95455	18.907	ug/l	99
38) Carbon Tetrachloride	5.684	117	123204	20.150	ug/l	99
39) Methylcyclohexane	7.385	83	146762	20.519	ug/l	99
40) Benzene	6.049	78	342454	20.656	ug/l	99

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX072125\
Data File : VX047057.D
Acq On : 21 Jul 2025 10:29
Operator : JC/MD
Sample : VSTDICC020
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jul 22 03:37:43 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072125W.M
Quant Title : SW846 8260
QLast Update : Tue Jul 22 03:35:16 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

Reviewed By :John Carlone 07/22/2025
Supervised By :Mahesh Dadoda 07/22/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	4.934	41	56166	20.350	ug/l		95
42) 1,2-Dichloroethane	6.098	62	121515	20.808	ug/l		98
43) Isopropyl Acetate	6.342	43	171186	20.802	ug/l		99
44) Trichloroethene	7.128	130	85446	20.099	ug/l		98
45) 1,2-Dichloropropane	7.433	63	85547	20.603	ug/l		94
46) Dibromomethane	7.586	93	59949	20.588	ug/l		99
47) Bromodichloromethane	7.824	83	126091	20.345	ug/l		99
48) Methyl methacrylate	7.695	41	86386	19.269	ug/l		97
49) 1,4-Dioxane	7.665	88	21524	422.133	ug/l		97
51) 4-Methyl-2-Pentanone	8.573	43	511307	104.532	ug/l		99
52) Toluene	8.720	92	214955	21.087	ug/l		100
53) t-1,3-Dichloropropene	8.982	75	118872	20.311	ug/l		96
54) cis-1,3-Dichloropropene	8.366	75	134587	21.011	ug/l		98
55) 1,1,2-Trichloroethane	9.153	97	81137	21.224	ug/l		98
56) Ethyl methacrylate	9.116	69	121053	21.389	ug/l		98
57) 1,3-Dichloropropane	9.311	76	139031	20.925	ug/l		100
58) 2-Chloroethyl Vinyl ether	8.244	63	294878	93.631	ug/l		100
59) 2-Hexanone	9.427	43	352298	109.015	ug/l		97
60) Dibromochloromethane	9.518	129	93165	20.779	ug/l		100
61) 1,2-Dibromoethane	9.610	107	82035	20.522	ug/l		99
64) Tetrachloroethene	9.274	164	74177	21.147	ug/l		95
65) Chlorobenzene	10.079	112	238428	20.917	ug/l		99
66) 1,1,1,2-Tetrachloroethane	10.158	131	78682	20.502	ug/l		98
67) Ethyl Benzene	10.195	91	412412	20.693	ug/l		99
68) m/p-Xylenes	10.299	106	309353	41.478	ug/l		98
69) o-Xylene	10.640	106	149592	21.083	ug/l		100
70) Styrene	10.652	104	259267	21.310	ug/l		100
71) Bromoform	10.799	173	58699	20.135	ug/l	#	100
73) Isopropylbenzene	10.963	105	399077	21.021	ug/l		100
74) N-amyl acetate	10.841	43	155675	20.558	ug/l		99
75) 1,1,2,2-Tetrachloroethane	11.207	83	113741	20.975	ug/l		99
76) 1,2,3-Trichloropropane	11.238	75	92003m	20.656	ug/l		
77) Bromobenzene	11.195	156	95957	21.073	ug/l		97
78) n-propylbenzene	11.298	91	476196	20.991	ug/l		100
79) 2-Chlorotoluene	11.359	91	278615	20.545	ug/l		100
80) 1,3,5-Trimethylbenzene	11.451	105	330824	21.093	ug/l		100
81) trans-1,4-Dichloro-2-b...	11.018	75	31878	18.440	ug/l		94
82) 4-Chlorotoluene	11.451	91	331629	20.951	ug/l		99
83) tert-Butylbenzene	11.713	119	323819	20.571	ug/l		99
84) 1,2,4-Trimethylbenzene	11.750	105	328672	21.010	ug/l		100
85) sec-Butylbenzene	11.890	105	410930	20.892	ug/l		99
86) p-Isopropyltoluene	12.006	119	343591	21.065	ug/l		99
87) 1,3-Dichlorobenzene	11.969	146	179867	20.789	ug/l		99
88) 1,4-Dichlorobenzene	12.036	146	183173	20.897	ug/l		98
89) n-Butylbenzene	12.329	91	319940	20.916	ug/l		98
90) Hexachloroethane	12.536	117	58057	19.896	ug/l		97
91) 1,2-Dichlorobenzene	12.335	146	169749	20.528	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	12.938	75	21427	20.585	ug/l		96
93) 1,2,4-Trichlorobenzene	13.585	180	111525	20.413	ug/l		99
94) Hexachlorobutadiene	13.719	225	39186	21.090	ug/l		96
95) Naphthalene	13.774	128	329630	20.581	ug/l		100
96) 1,2,3-Trichlorobenzene	13.957	180	107542	20.432	ug/l		98

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX072125\
Data File : VX047057.D
Acq On : 21 Jul 2025 10:29
Operator : JC/MD
Sample : VSTDICC020
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

Reviewed By :John Carlone 07/22/2025
Supervised By :Mahesh Dadoda 07/22/2025

Quant Time: Jul 22 03:37:43 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072125W.M
Quant Title : SW846 8260
QLast Update : Tue Jul 22 03:35:16 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

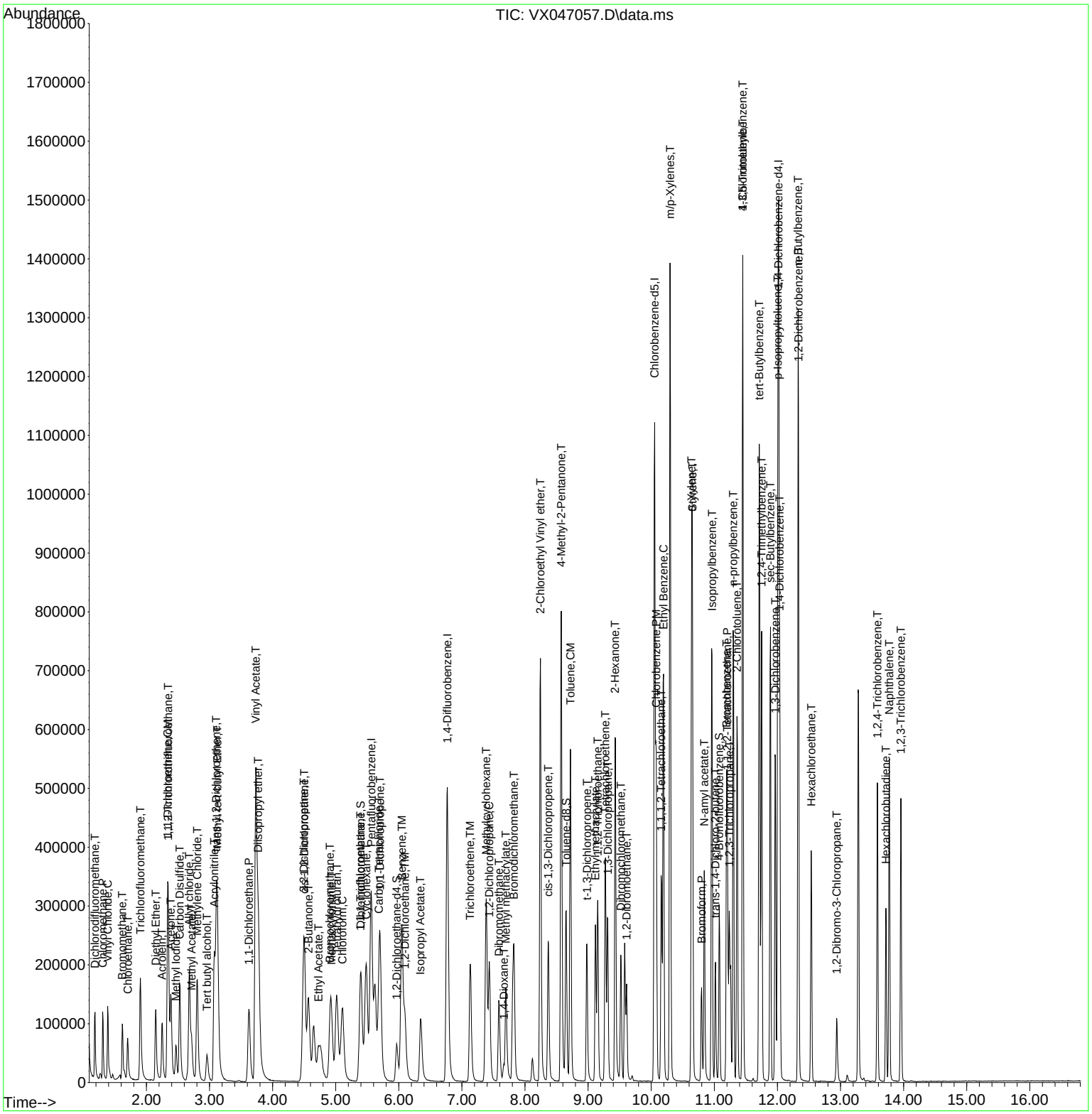
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX072125\
Data File : VX047057.D
Acq On : 21 Jul 2025 10:29
Operator : JC/MD
Sample : VSTDICC020
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jul 22 03:37:43 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072125W.M
Quant Title : SW846 8260
QLast Update : Tue Jul 22 03:35:16 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

Reviewed By :John Carlone 07/22/2025
Supervised By :Mahesh Dadoda 07/22/2025



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX072125\
Data File : VX047058.D
Acq On : 21 Jul 2025 10:50
Operator : JC/MD
Sample : VSTDICCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

Reviewed By :John Carlone 07/22/2025
Supervised By :Mahesh Dadoda 07/22/2025

Quant Time: Jul 22 03:38:35 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072125W.M
Quant Title : SW846 8260
QLast Update : Tue Jul 22 03:35:16 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.562	168	309883	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	516282	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	464565	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	223799	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	178313	46.193	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 92.380%			
35) Dibromofluoromethane	5.397	113	152747	47.918	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 95.840%			
50) Toluene-d8	8.652	98	477108	46.217	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 92.440%			
62) 4-Bromofluorobenzene	11.079	95	211198	47.473	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 94.940%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.184	85	238090	57.844	ug/l	100
3) Chloromethane	1.306	50	216682	53.219	ug/l	100
4) Vinyl Chloride	1.386	62	241663	55.216	ug/l	100
5) Bromomethane	1.617	94	138734	58.354	ug/l	100
6) Chloroethane	1.703	64	145779	50.714	ug/l	100
7) Trichlorofluoromethane	1.904	101	358904	54.994	ug/l	100
8) Diethyl Ether	2.148	74	120887	52.535	ug/l	100
9) 1,1,2-Trichlorotrifluo...	2.349	101	209152	53.194	ug/l	100
10) Methyl Iodide	2.471	142	225356	56.237	ug/l	100
11) Tert butyl alcohol	2.958	59	113517	251.629	ug/l	100
12) 1,1-Dichloroethene	2.337	96	208894	53.640	ug/l	100
13) Acrolein	2.251	56	214749	258.372	ug/l	100
14) Allyl chloride	2.678	41	383854	54.528	ug/l	100
15) Acrylonitrile	3.074	53	510056	277.051	ug/l	100
16) Acetone	2.385	43	390060	252.239	ug/l	100
17) Carbon Disulfide	2.532	76	600045	53.261	ug/l	100
18) Methyl Acetate	2.715	43	213070	51.848	ug/l	100
19) Methyl tert-butyl Ether	3.123	73	636699	53.721	ug/l	100
20) Methylene Chloride	2.806	84	223713	52.585	ug/l	100
21) trans-1,2-Dichloroethene	3.105	96	215393	54.049	ug/l	100
22) Diisopropyl ether	3.769	45	731970	54.083	ug/l	100
23) Vinyl Acetate	3.733	43	3005277	276.847	ug/l	100
24) 1,1-Dichloroethane	3.623	63	402810	53.522	ug/l	100
25) 2-Butanone	4.562	43	605614	268.961	ug/l	100
26) 2,2-Dichloropropane	4.489	77	303417	52.081	ug/l	100
27) cis-1,2-Dichloroethene	4.501	96	250112	53.001	ug/l	100
28) Bromochloromethane	4.909	49	188828	54.536	ug/l	100
29) Tetrahydrofuran	5.013	42	397391	273.532	ug/l	100
30) Chloroform	5.104	83	399454	52.141	ug/l	100
31) Cyclohexane	5.482	56	376396	52.159	ug/l	100
32) 1,1,1-Trichloroethane	5.397	97	349090	52.462	ug/l	100
36) 1,1-Dichloropropene	5.702	75	282151	51.926	ug/l	100
37) Ethyl Acetate	4.720	43	263866	55.103	ug/l	100
38) Carbon Tetrachloride	5.690	117	306989	52.934	ug/l	100
39) Methylcyclohexane	7.384	83	360702	53.168	ug/l	100
40) Benzene	6.043	78	851995	54.180	ug/l	100

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX072125\
Data File : VX047058.D
Acq On : 21 Jul 2025 10:50
Operator : JC/MD
Sample : VSTDICCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jul 22 03:38:35 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072125W.M
Quant Title : SW846 8260
QLast Update : Tue Jul 22 03:35:16 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

Reviewed By :John Carlone 07/22/2025
Supervised By :Mahesh Dadoda 07/22/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.928	41	150516	57.494	ug/l	100
42) 1,2-Dichloroethane	6.098	62	297385	53.686	ug/l	100
43) Isopropyl Acetate	6.348	43	438617	56.192	ug/l	100
44) Trichloroethene	7.128	130	216747	53.751	ug/l	100
45) 1,2-Dichloropropane	7.433	63	210862	53.539	ug/l	100
46) Dibromomethane	7.586	93	151672	54.916	ug/l	100
47) Bromodichloromethane	7.823	83	318771	54.225	ug/l	100
48) Methyl methacrylate	7.695	41	227033	53.391	ug/l	100
49) 1,4-Dioxane	7.659	88	53924	1114.967	ug/l	100
51) 4-Methyl-2-Pentanone	8.573	43	1282299	276.384	ug/l	100
52) Toluene	8.720	92	524916	54.288	ug/l	100
53) t-1,3-Dichloropropene	8.976	75	305568	55.044	ug/l	100
54) cis-1,3-Dichloropropene	8.366	75	337057	55.475	ug/l	100
55) 1,1,2-Trichloroethane	9.152	97	194314	53.587	ug/l	100
56) Ethyl methacrylate	9.116	69	307494	57.281	ug/l	100
57) 1,3-Dichloropropane	9.305	76	337106	53.491	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.244	63	833190	278.917	ug/l	100
59) 2-Hexanone	9.427	43	886635	289.252	ug/l	100
60) Dibromochloromethane	9.518	129	229147	53.881	ug/l	100
61) 1,2-Dibromoethane	9.610	107	204078	53.823	ug/l	100
64) Tetrachloroethene	9.274	164	174727	52.173	ug/l	100
65) Chlorobenzene	10.079	112	571696	52.530	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.164	131	194777	53.158	ug/l	100
67) Ethyl Benzene	10.195	91	1023986	53.812	ug/l	100
68) m/p-Xylenes	10.299	106	759689	106.683	ug/l	100
69) o-Xylene	10.640	106	364689	53.834	ug/l	100
70) Styrene	10.652	104	632474	54.447	ug/l	100
71) Bromoform	10.798	173	150938	54.228	ug/l	100
73) Isopropylbenzene	10.963	105	964411	54.621	ug/l	100
74) N-amyl acetate	10.841	43	399297	56.697	ug/l	100
75) 1,1,2,2-Tetrachloroethane	11.213	83	270685	53.670	ug/l	100
76) 1,2,3-Trichloropropane	11.237	75	221713m	53.523	ug/l	
77) Bromobenzene	11.195	156	227531	53.727	ug/l	100
78) n-propylbenzene	11.304	91	1145472	54.290	ug/l	100
79) 2-Chlorotoluene	11.359	91	677779	53.739	ug/l	100
80) 1,3,5-Trimethylbenzene	11.451	105	788518	54.057	ug/l	100
81) trans-1,4-Dichloro-2-b...	11.018	75	87538	54.445	ug/l	100
82) 4-Chlorotoluene	11.451	91	798628	54.249	ug/l	100
83) tert-Butylbenzene	11.713	119	802592	54.819	ug/l	100
84) 1,2,4-Trimethylbenzene	11.750	105	800479	55.018	ug/l	100
85) sec-Butylbenzene	11.890	105	984328	53.809	ug/l	100
86) p-Isopropyltoluene	12.006	119	829044	54.651	ug/l	100
87) 1,3-Dichlorobenzene	11.969	146	427108	53.079	ug/l	100
88) 1,4-Dichlorobenzene	12.036	146	423743	51.978	ug/l	100
89) n-Butylbenzene	12.329	91	773506	54.372	ug/l	100
90) Hexachloroethane	12.536	117	146577	54.011	ug/l	100
91) 1,2-Dichlorobenzene	12.335	146	408192	53.076	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	12.938	75	53563	55.328	ug/l	100
93) 1,2,4-Trichlorobenzene	13.585	180	274012	53.926	ug/l	100
94) Hexachlorobutadiene	13.725	225	90816	52.553	ug/l	100
95) Naphthalene	13.774	128	839990	56.390	ug/l	100
96) 1,2,3-Trichlorobenzene	13.956	180	262282	53.580	ug/l	100

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX072125\
Data File : VX047058.D
Acq On : 21 Jul 2025 10:50
Operator : JC/MD
Sample : VSTDICCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

Reviewed By :John Carlone 07/22/2025
Supervised By :Mahesh Dadoda 07/22/2025

Quant Time: Jul 22 03:38:35 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072125W.M
Quant Title : SW846 8260
QLast Update : Tue Jul 22 03:35:16 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

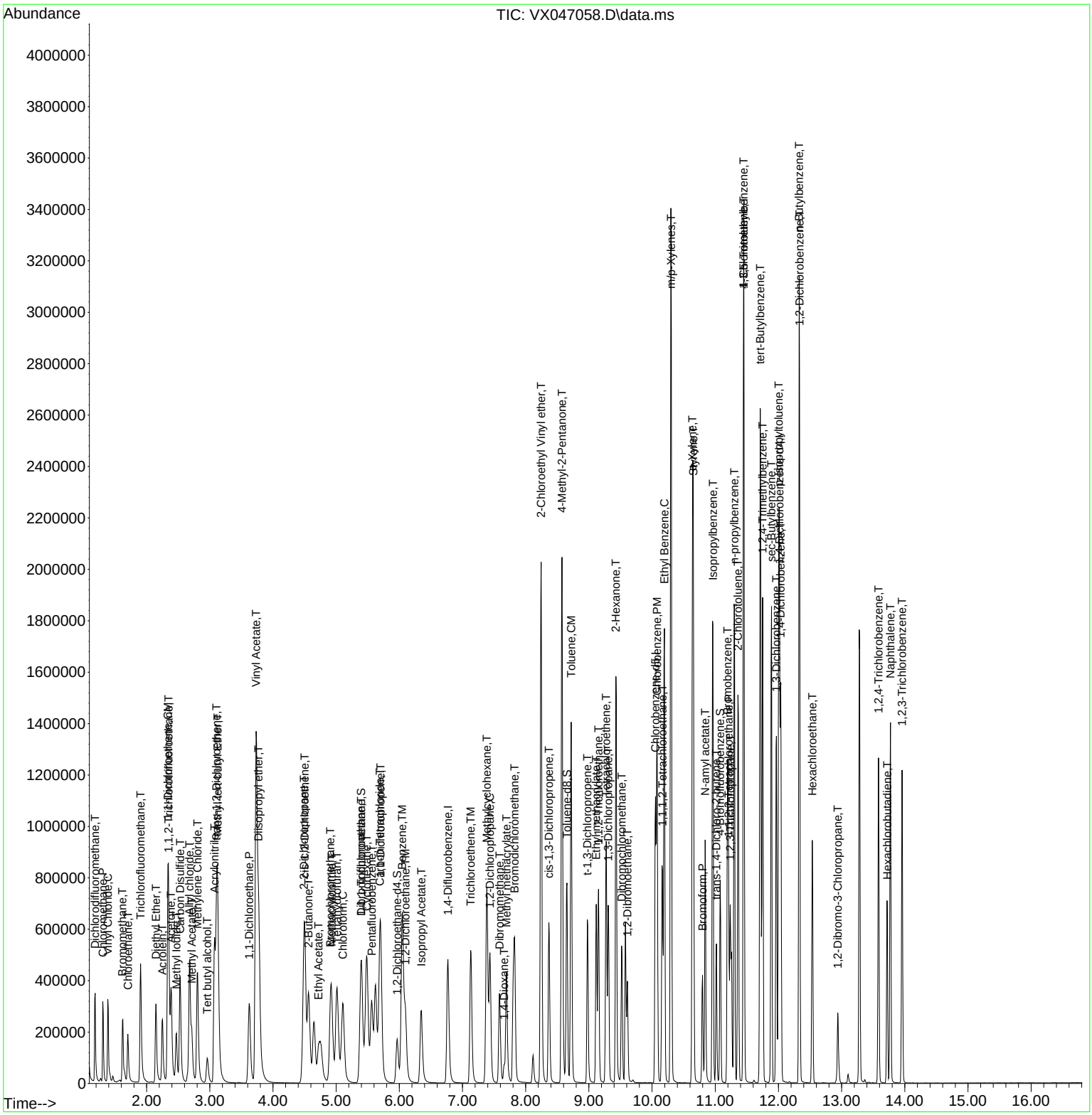
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX072125\
Data File : VX047058.D
Acq On : 21 Jul 2025 10:50
Operator : JC/MD
Sample : VSTDICCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jul 22 03:38:35 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072125W.M
Quant Title : SW846 8260
QLast Update : Tue Jul 22 03:35:16 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

Reviewed By :John Carlone 07/22/2025
Supervised By :Mahesh Dadoda 07/22/2025



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX072125\
Data File : VX047059.D
Acq On : 21 Jul 2025 11:11
Operator : JC/MD
Sample : VSTDICC100
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

Reviewed By :John Carlone 07/22/2025
Supervised By :Mahesh Dadoda 07/22/2025

Quant Time: Jul 22 03:39:27 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072125W.M
Quant Title : SW846 8260
QLast Update : Tue Jul 22 03:35:16 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.562	168	293211	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	502636	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	443709	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	210644	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	358189	98.067	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 196.140%#			
35) Dibromofluoromethane	5.397	113	304077	97.981	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 195.960%#			
50) Toluene-d8	8.653	98	951189	94.642	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 189.280%#			
62) 4-Bromofluorobenzene	11.079	95	418790	96.692	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 193.380%#			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.179	85	422702	108.536	ug/l	98
3) Chloromethane	1.307	50	390958	101.483	ug/l	99
4) Vinyl Chloride	1.386	62	420036	101.428	ug/l	98
5) Bromomethane	1.611	94	207177	92.097	ug/l	96
6) Chloroethane	1.697	64	248151	91.235	ug/l	98
7) Trichlorofluoromethane	1.898	101	618083	100.093	ug/l	99
8) Diethyl Ether	2.148	74	214962	98.730	ug/l	95
9) 1,1,2-Trichlorotrifluo...	2.343	101	367465	98.771	ug/l	100
10) Methyl Iodide	2.465	142	421251	111.100	ug/l	99
11) Tert butyl alcohol	2.965	59	207609	496.373	ug/l	98
12) 1,1-Dichloroethene	2.337	96	365672	99.237	ug/l	96
13) Acrolein	2.245	56	390297	496.280	ug/l	99
14) Allyl chloride	2.678	41	668038	100.294	ug/l	99
15) Acrylonitrile	3.075	53	895719	514.199	ug/l	99
16) Acetone	2.386	43	680698	465.214	ug/l	99
17) Carbon Disulfide	2.526	76	1045599	98.086	ug/l	100
18) Methyl Acetate	2.715	43	381521	98.118	ug/l	99
19) Methyl tert-butyl Ether	3.123	73	1109184	98.907	ug/l	100
20) Methylene Chloride	2.806	84	382904	95.122	ug/l	99
21) trans-1,2-Dichloroethene	3.105	96	370810	98.339	ug/l	97
22) Diisopropyl ether	3.770	45	1246566	97.342	ug/l	99
23) Vinyl Acetate	3.733	43	5255654	511.682	ug/l	100
24) 1,1-Dichloroethane	3.623	63	690059	96.903	ug/l	99
25) 2-Butanone	4.562	43	1064894	499.825	ug/l	99
26) 2,2-Dichloropropane	4.489	77	534633	96.986	ug/l	99
27) cis-1,2-Dichloroethene	4.501	96	433236	97.026	ug/l	99
28) Bromochloromethane	4.910	49	327531	99.974	ug/l	100
29) Tetrahydrofuran	5.013	42	696538	506.702	ug/l	99
30) Chloroform	5.105	83	688904	95.036	ug/l	98
31) Cyclohexane	5.483	56	644257	94.354	ug/l	98
32) 1,1,1-Trichloroethane	5.397	97	610295	96.931	ug/l	99
36) 1,1-Dichloropropene	5.702	75	486962	92.052	ug/l	99
37) Ethyl Acetate	4.721	43	464215	99.573	ug/l	99
38) Carbon Tetrachloride	5.690	117	534117	94.597	ug/l	99
39) Methylcyclohexane	7.385	83	643495	97.426	ug/l	98
40) Benzene	6.050	78	1458721	95.282	ug/l	99

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX072125\
Data File : VX047059.D
Acq On : 21 Jul 2025 11:11
Operator : JC/MD
Sample : VSTDICC100
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Jul 22 03:39:27 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072125W.M
Quant Title : SW846 8260
QLast Update : Tue Jul 22 03:35:16 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

Reviewed By :John Carlone 07/22/2025
Supervised By :Mahesh Dadoda 07/22/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	4.928	41	266722	104.648	ug/l		99
42) 1,2-Dichloroethane	6.092	62	514986	95.493	ug/l		99
43) Isopropyl Acetate	6.342	43	782743	103.002	ug/l		99
44) Trichloroethene	7.129	130	372515	94.887	ug/l		99
45) 1,2-Dichloropropane	7.434	63	364769	95.131	ug/l		97
46) Dibromomethane	7.586	93	262070	97.464	ug/l		100
47) Bromodichloromethane	7.824	83	545715	95.349	ug/l		98
48) Methyl methacrylate	7.696	41	406578	98.210	ug/l		100
49) 1,4-Dioxane	7.659	88	97685	2074.633	ug/l		98
51) 4-Methyl-2-Pentanone	8.574	43	2213299	490.000	ug/l		100
52) Toluene	8.720	92	900379	95.648	ug/l		98
53) t-1,3-Dichloropropene	8.976	75	550435	101.846	ug/l		99
54) cis-1,3-Dichloropropene	8.366	75	595662	100.700	ug/l		100
55) 1,1,2-Trichloroethane	9.153	97	333552	94.482	ug/l		99
56) Ethyl methacrylate	9.116	69	546929	104.649	ug/l		99
57) 1,3-Dichloropropane	9.311	76	579525	94.454	ug/l		100
58) 2-Chloroethyl Vinyl ether	8.244	63	1489901	512.296	ug/l		100
59) 2-Hexanone	9.433	43	1534390	514.162	ug/l		99
60) Dibromochloromethane	9.519	129	400453	96.718	ug/l		100
61) 1,2-Dibromoethane	9.610	107	350348	94.909	ug/l		99
64) Tetrachloroethene	9.275	164	299042	93.490	ug/l		96
65) Chlorobenzene	10.079	112	988883	95.134	ug/l		99
66) 1,1,1,2-Tetrachloroethane	10.159	131	338141	96.621	ug/l		99
67) Ethyl Benzene	10.195	91	1752485	96.425	ug/l		99
68) m/p-Xylenes	10.299	106	1302405	191.494	ug/l		99
69) o-Xylene	10.640	106	624795	96.565	ug/l		99
70) Styrene	10.652	104	1072801	96.694	ug/l		100
71) Bromoform	10.799	173	259124	97.473	ug/l	#	99
73) Isopropylbenzene	10.963	105	1645804	99.034	ug/l		100
74) N-amyl acetate	10.841	43	698465	105.369	ug/l		100
75) 1,1,2,2-Tetrachloroethane	11.213	83	457057	96.283	ug/l		99
76) 1,2,3-Trichloropropane	11.238	75	380871m	97.686	ug/l		
77) Bromobenzene	11.195	156	389788	97.789	ug/l		99
78) n-propylbenzene	11.305	91	1945548	97.969	ug/l		99
79) 2-Chlorotoluene	11.366	91	1150165	96.889	ug/l		99
80) 1,3,5-Trimethylbenzene	11.451	105	1340151	97.612	ug/l		100
81) trans-1,4-Dichloro-2-b...	11.018	75	158030	104.426	ug/l		97
82) 4-Chlorotoluene	11.451	91	1340796	96.766	ug/l		99
83) tert-Butylbenzene	11.713	119	1347206	97.765	ug/l		99
84) 1,2,4-Trimethylbenzene	11.750	105	1346982	98.362	ug/l		99
85) sec-Butylbenzene	11.890	105	1682208	97.702	ug/l		100
86) p-Isopropyltoluene	12.006	119	1404678	98.379	ug/l		100
87) 1,3-Dichlorobenzene	11.969	146	717851	94.782	ug/l		99
88) 1,4-Dichlorobenzene	12.036	146	726014	94.617	ug/l		98
89) n-Butylbenzene	12.329	91	1323274	98.826	ug/l		100
90) Hexachloroethane	12.536	117	260929	102.152	ug/l		100
91) 1,2-Dichlorobenzene	12.329	146	684462	94.557	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	12.939	75	97209	106.683	ug/l		99
93) 1,2,4-Trichlorobenzene	13.585	180	481866	100.755	ug/l		100
94) Hexachlorobutadiene	13.725	225	165153	101.539	ug/l		98
95) Naphthalene	13.774	128	1474039	105.135	ug/l		100
96) 1,2,3-Trichlorobenzene	13.957	180	464244	100.760	ug/l		100

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX072125\
Data File : VX047059.D
Acq On : 21 Jul 2025 11:11
Operator : JC/MD
Sample : VSTDICC100
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

Reviewed By :John Carlone 07/22/2025
Supervised By :Mahesh Dadoda 07/22/2025

Quant Time: Jul 22 03:39:27 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072125W.M
Quant Title : SW846 8260
QLast Update : Tue Jul 22 03:35:16 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

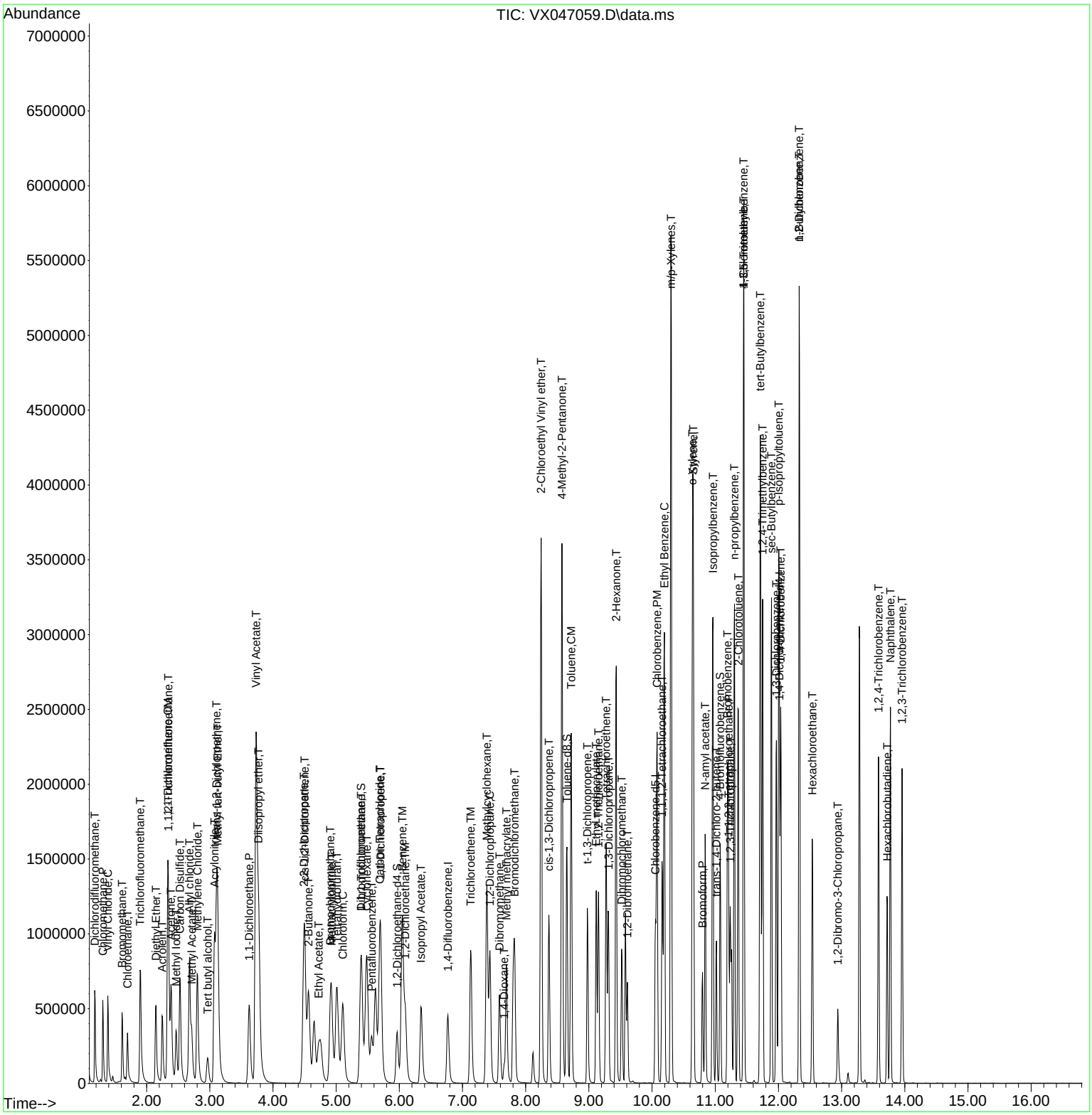
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX072125\
Data File : VX047059.D
Acq On : 21 Jul 2025 11:11
Operator : JC/MD
Sample : VSTDICC100
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Jul 22 03:39:27 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072125W.M
Quant Title : SW846 8260
QLast Update : Tue Jul 22 03:35:16 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

Reviewed By :John Carlone 07/22/2025
Supervised By :Mahesh Dadoda 07/22/2025



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX072125\
Data File : VX047060.D
Acq On : 21 Jul 2025 11:32
Operator : JC/MD
Sample : VSTDICC150
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

Reviewed By :John Carlone 07/22/2025
Supervised By :Mahesh Dadoda 07/22/2025

Quant Time: Jul 22 03:40:20 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072125W.M
Quant Title : SW846 8260
QLast Update : Tue Jul 22 03:35:16 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) Pentafluorobenzene	5.562	168	281238	50.000 ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	475828	50.000 ug/l	0.00
63) Chlorobenzene-d5	10.055	117	420817	50.000 ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	196123	50.000 ug/l	# 0.00
System Monitoring Compounds					
33) 1,2-Dichloroethane-d4	5.964	65	547497	156.279 ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 312.560%#		
35) Dibromofluoromethane	5.397	113	468188	159.361 ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 318.720%#		
50) Toluene-d8	8.653	98	1448057	152.197 ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 304.400%#		
62) 4-Bromofluorobenzene	11.079	95	635473	154.987 ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 309.980%#		
Target Compounds					Qvalue
2) Dichlorodifluoromethane	1.179	85	614977	164.628 ug/l	99
3) Chloromethane	1.307	50	591309	160.024 ug/l	98
4) Vinyl Chloride	1.386	62	609982	153.566 ug/l	100
5) Bromomethane	1.612	94	260740	120.842 ug/l	96
6) Chloroethane	1.691	64	357637	137.087 ug/l	99
7) Trichlorofluoromethane	1.898	101	903925	152.614 ug/l	99
8) Diethyl Ether	2.148	74	312592	149.683 ug/l	96
9) 1,1,2-Trichlorotrifluo...	2.343	101	532594	149.251 ug/l	99
10) Methyl Iodide	2.465	142	640817	176.203 ug/l	99
11) Tert butyl alcohol	2.971	59	299604	752.233 ug/l	97
12) 1,1-Dichloroethene	2.331	96	527730	149.314 ug/l	98
13) Acrolein	2.246	56	563218	746.645 ug/l	99
14) Allyl chloride	2.678	41	964459	150.960 ug/l	99
15) Acrylonitrile	3.075	53	1274179	762.599 ug/l	99
16) Acetone	2.392	43	975640	695.175 ug/l	100
17) Carbon Disulfide	2.526	76	1523226	148.974 ug/l	99
18) Methyl Acetate	2.715	43	558406	149.722 ug/l	99
19) Methyl tert-butyl Ether	3.123	73	1616941	150.323 ug/l	99
20) Methylene Chloride	2.800	84	548865	142.156 ug/l	99
21) trans-1,2-Dichloroethene	3.105	96	533003	147.371 ug/l	97
22) Diisopropyl ether	3.770	45	1792018	145.892 ug/l	97
23) Vinyl Acetate	3.733	43	7515505	762.847 ug/l	99
24) 1,1-Dichloroethane	3.623	63	1006940	147.421 ug/l	99
25) 2-Butanone	4.562	43	1525049	746.280 ug/l	98
26) 2,2-Dichloropropane	4.489	77	790347	149.478 ug/l	100
27) cis-1,2-Dichloroethene	4.501	96	627302	146.469 ug/l	99
28) Bromochloromethane	4.910	49	464333	147.764 ug/l	100
29) Tetrahydrofuran	5.013	42	995703	755.168 ug/l	99
30) Chloroform	5.105	83	982491	141.308 ug/l	97
31) Cyclohexane	5.483	56	928560	141.781 ug/l	99
32) 1,1,1-Trichloroethane	5.397	97	892102	147.721 ug/l	98
36) 1,1-Dichloropropene	5.702	75	707227	141.221 ug/l	99
37) Ethyl Acetate	4.721	43	664604	150.587 ug/l	99
38) Carbon Tetrachloride	5.690	117	771081	144.260 ug/l	99
39) Methylcyclohexane	7.385	83	932504	149.137 ug/l	98
40) Benzene	6.044	78	2112753	145.777 ug/l	98

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX072125\
Data File : VX047060.D
Acq On : 21 Jul 2025 11:32
Operator : JC/MD
Sample : VSTDICC150
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Jul 22 03:40:20 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072125W.M
Quant Title : SW846 8260
QLast Update : Tue Jul 22 03:35:16 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

Reviewed By :John Carlone 07/22/2025
Supervised By :Mahesh Dadoda 07/22/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	4.928	41	373711	154.886	ug/l		98
42) 1,2-Dichloroethane	6.092	62	737991	144.555	ug/l		99
43) Isopropyl Acetate	6.342	43	1145157	159.182	ug/l		99
44) Trichloroethene	7.129	130	547123	147.215	ug/l		97
45) 1,2-Dichloropropane	7.434	63	529204	145.791	ug/l		97
46) Dibromomethane	7.586	93	381666	149.938	ug/l		99
47) Bromodichloromethane	7.824	83	794793	146.693	ug/l		99
48) Methyl methacrylate	7.696	41	589190	150.339	ug/l		99
49) 1,4-Dioxane	7.665	88	141473	3173.881	ug/l		97
51) 4-Methyl-2-Pentanone	8.574	43	3143746	735.203	ug/l		100
52) Toluene	8.720	92	1298426	145.703	ug/l		98
53) t-1,3-Dichloropropene	8.976	75	802670	156.884	ug/l		97
54) cis-1,3-Dichloropropene	8.366	75	876033	156.442	ug/l		100
55) 1,1,2-Trichloroethane	9.153	97	478247	143.101	ug/l		99
56) Ethyl methacrylate	9.116	69	791875	160.053	ug/l		99
57) 1,3-Dichloropropane	9.305	76	823631	141.802	ug/l		99
58) 2-Chloroethyl Vinyl ether	8.244	63	2120903	770.350	ug/l		99
59) 2-Hexanone	9.433	43	2172764	769.096	ug/l		99
60) Dibromochloromethane	9.519	129	583183	148.786	ug/l		99
61) 1,2-Dibromoethane	9.610	107	500995	143.366	ug/l		99
64) Tetrachloroethene	9.275	164	433805	142.999	ug/l		98
65) Chlorobenzene	10.079	112	1432482	145.306	ug/l		99
66) 1,1,1,2-Tetrachloroethane	10.165	131	495347	149.242	ug/l		98
67) Ethyl Benzene	10.195	91	2508990	145.559	ug/l		100
68) m/p-Xylenes	10.299	106	1848008	286.495	ug/l		98
69) o-Xylene	10.640	106	897705	146.292	ug/l		100
70) Styrene	10.653	104	1538516	146.214	ug/l		99
71) Bromoform	10.799	173	377881	149.877	ug/l	#	100
73) Isopropylbenzene	10.963	105	2341028	151.299	ug/l		99
74) N-amyl acetate	10.842	43	1017450	164.856	ug/l		99
75) 1,1,2,2-Tetrachloroethane	11.213	83	649081	146.858	ug/l		100
76) 1,2,3-Trichloropropane	11.238	75	542883m	149.549	ug/l		
77) Bromobenzene	11.195	156	555966	149.806	ug/l		99
78) n-propylbenzene	11.305	91	2790577	150.924	ug/l		99
79) 2-Chlorotoluene	11.366	91	1641174	148.487	ug/l		100
80) 1,3,5-Trimethylbenzene	11.451	105	1921023	150.280	ug/l		100
81) trans-1,4-Dichloro-2-b...	11.018	75	234105	166.150	ug/l		95
82) 4-Chlorotoluene	11.451	91	1901346	147.381	ug/l		99
83) tert-Butylbenzene	11.713	119	1941048	151.288	ug/l		99
84) 1,2,4-Trimethylbenzene	11.750	105	1923088	150.829	ug/l		100
85) sec-Butylbenzene	11.890	105	2386553	148.873	ug/l		100
86) p-Isopropyltoluene	12.006	119	2001346	150.546	ug/l		100
87) 1,3-Dichlorobenzene	11.969	146	1044993	148.192	ug/l		100
88) 1,4-Dichlorobenzene	12.036	146	1039670	145.525	ug/l		98
89) n-Butylbenzene	12.329	91	1874924	150.392	ug/l		99
90) Hexachloroethane	12.536	117	376780	158.429	ug/l		99
91) 1,2-Dichlorobenzene	12.335	146	994860	147.614	ug/l		100
92) 1,2-Dibromo-3-Chloropr...	12.939	75	142395	167.843	ug/l		99
93) 1,2,4-Trichlorobenzene	13.585	180	691853	155.373	ug/l		100
94) Hexachlorobutadiene	13.725	225	224504	148.249	ug/l		97
95) Naphthalene	13.774	128	2171681	166.363	ug/l		100
96) 1,2,3-Trichlorobenzene	13.957	180	662501	154.436	ug/l		99

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX072125\
Data File : VX047060.D
Acq On : 21 Jul 2025 11:32
Operator : JC/MD
Sample : VSTDICC150
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

Reviewed By :John Carlone 07/22/2025
Supervised By :Mahesh Dadoda 07/22/2025

Quant Time: Jul 22 03:40:20 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072125W.M
Quant Title : SW846 8260
QLast Update : Tue Jul 22 03:35:16 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

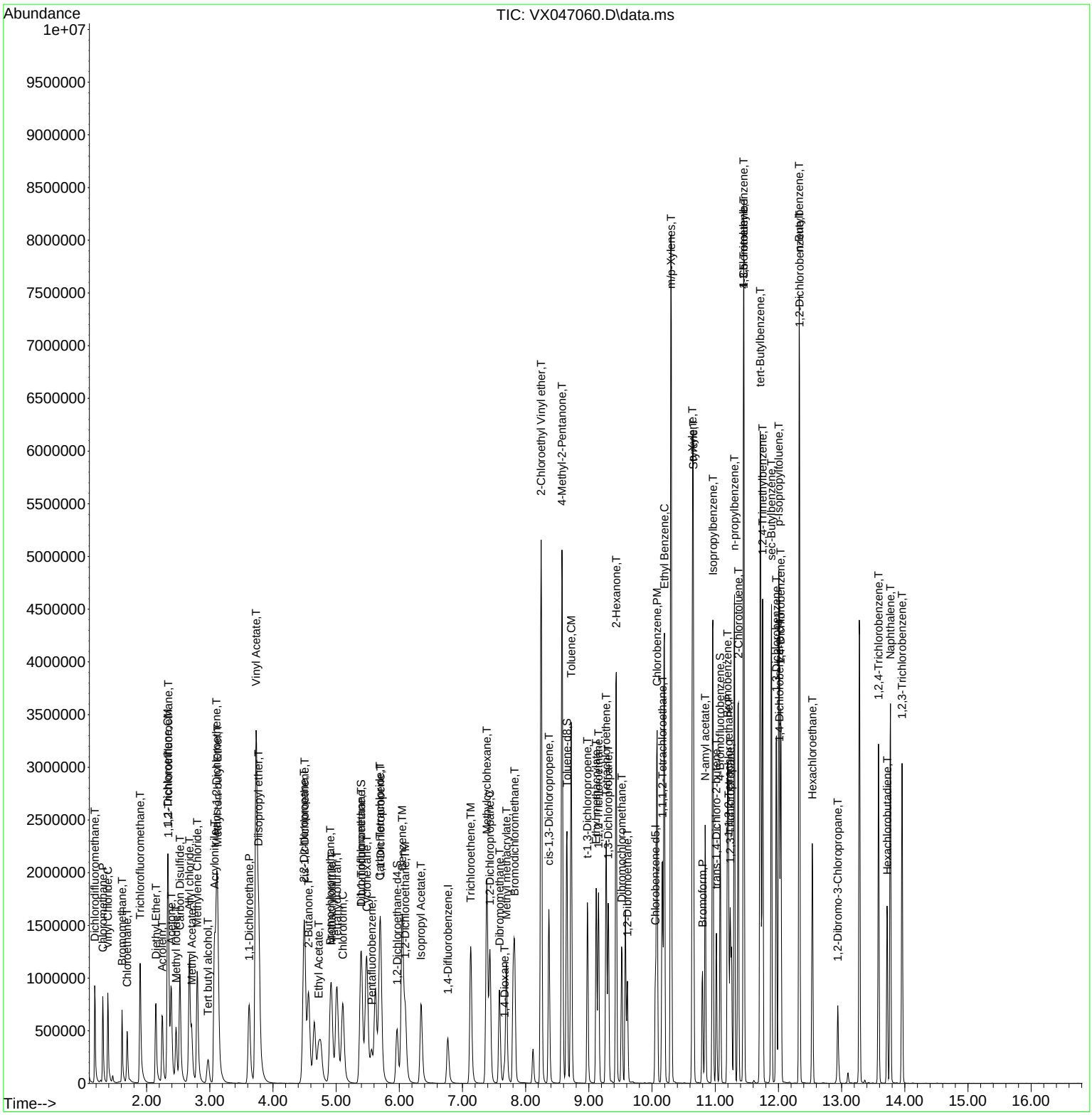
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX072125\
Data File : VX047060.D
Acq On : 21 Jul 2025 11:32
Operator : JC/MD
Sample : VSTDICC150
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Jul 22 03:40:20 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072125W.M
Quant Title : SW846 8260
QLast Update : Tue Jul 22 03:35:16 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

Reviewed By :John Carlone 07/22/2025
Supervised By :Mahesh Dadoda 07/22/2025



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX072125\
Data File : VX047062.D
Acq On : 21 Jul 2025 13:17
Operator : JC/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
ICVVX072125

Manual Integrations APPROVED

Reviewed By :John Carlone 07/22/2025
Supervised By :Mahesh Dadoda 07/22/2025

Quant Time: Jul 22 04:01:25 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072125W.M
Quant Title : SW846 8260
QLast Update : Tue Jul 22 03:35:16 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.550	168	353932	50.000	ug/l	-0.01
34) 1,4-Difluorobenzene	6.763	114	594788	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	516907	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	245093	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	176451	40.022	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	80.040%		
35) Dibromofluoromethane	5.385	113	155150	42.247	ug/l	-0.01
Spiked Amount 50.000	Range 75 - 124		Recovery =	84.500%		
50) Toluene-d8	8.647	98	476939	40.102	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	80.200%#		
62) 4-Bromofluorobenzene	11.079	95	209003	40.779	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	81.560%#		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.185	85	240944	51.252	ug/l	99
3) Chloromethane	1.307	50	220344	47.383	ug/l	100
4) Vinyl Chloride	1.386	62	244133	48.838	ug/l	100
5) Bromomethane	1.618	94	153243	56.435	ug/l	97
6) Chloroethane	1.703	64	146679	44.676	ug/l	96
7) Trichlorofluoromethane	1.904	101	354446	47.552	ug/l	96
8) Diethyl Ether	2.142	74	122150	46.477	ug/l	96
9) 1,1,2-Trichlorotrifluo...	2.343	101	211536	47.104	ug/l	99
10) Methyl Iodide	2.465	142	206176	45.047	ug/l	97
11) Tert butyl alcohol	2.953	59	107694	207.194	ug/l	99
12) 1,1-Dichloroethene	2.331	96	207074	46.555	ug/l	98
13) Acrolein	2.245	56	197909	208.477	ug/l	99
14) Allyl chloride	2.678	41	375824	46.743	ug/l	99
15) Acrylonitrile	3.069	53	485401	230.845	ug/l	100
16) Acetone	2.386	43	407681	230.823	ug/l	95
17) Carbon Disulfide	2.526	76	588590	45.742	ug/l	99
18) Methyl Acetate	2.709	43	206733	44.045	ug/l	99
19) Methyl tert-butyl Ether	3.117	73	613097	45.291	ug/l	98
20) Methylene Chloride	2.800	84	218853	45.041	ug/l	98
21) trans-1,2-Dichloroethene	3.099	96	210229	46.188	ug/l	98
22) Diisopropyl ether	3.764	45	712919	46.119	ug/l	96
23) Vinyl Acetate	3.727	43	2900485	233.940	ug/l	100
24) 1,1-Dichloroethane	3.617	63	388232	45.165	ug/l	100
25) 2-Butanone	4.556	43	562934	218.892	ug/l	100
26) 2,2-Dichloropropane	4.483	77	308018	46.290	ug/l	99
27) cis-1,2-Dichloroethene	4.495	96	242036	44.906	ug/l	99
28) Bromochloromethane	4.904	49	186533	47.168	ug/l	100
29) Tetrahydrofuran	5.001	42	360837	217.460	ug/l	99
30) Chloroform	5.093	83	382651	43.731	ug/l	100
31) Cyclohexane	5.477	56	359502	43.618	ug/l	99
32) 1,1,1-Trichloroethane	5.385	97	336918	44.331	ug/l	99
36) 1,1-Dichloropropene	5.696	75	272074	43.463	ug/l	99
37) Ethyl Acetate	4.715	43	244468	42.381	ug/l	99
38) Carbon Tetrachloride	5.678	117	295708	44.259	ug/l	98
39) Methylcyclohexane	7.379	83	344962	44.136	ug/l	99
40) Benzene	6.038	78	802625	44.304	ug/l	100

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX072125\
Data File : VX047062.D
Acq On : 21 Jul 2025 13:17
Operator : JC/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Jul 22 04:01:25 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072125W.M
Quant Title : SW846 8260
QLast Update : Tue Jul 22 03:35:16 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
ICVVX072125

Manual Integrations APPROVED

Reviewed By :John Carlone 07/22/2025
Supervised By :Mahesh Dadoda 07/22/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.916	41	138183	45.816	ug/l	97
42) 1,2-Dichloroethane	6.086	62	283205	44.378	ug/l	99
43) Isopropyl Acetate	6.336	43	409733	45.564	ug/l	99
44) Trichloroethene	7.123	130	202817	43.658	ug/l	98
45) 1,2-Dichloropropane	7.428	63	200065	44.093	ug/l	98
46) Dibromomethane	7.580	93	143569	45.121	ug/l	99
47) Bromodichloromethane	7.818	83	301133	44.463	ug/l	99
48) Methyl methacrylate	7.690	41	208228	42.505	ug/l	99
49) 1,4-Dioxane	7.653	88	51080m	916.760	ug/l	
51) 4-Methyl-2-Pentanone	8.568	43	1164013	217.774	ug/l	100
52) Toluene	8.714	92	498799	44.778	ug/l	97
53) t-1,3-Dichloropropene	8.976	75	290633	45.444	ug/l	98
54) cis-1,3-Dichloropropene	8.366	75	322967	46.140	ug/l	98
55) 1,1,2-Trichloroethane	9.147	97	180762	43.270	ug/l	99
56) Ethyl methacrylate	9.116	69	286552	46.334	ug/l	100
57) 1,3-Dichloropropane	9.305	76	314736	43.350	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.238	63	774980	225.188	ug/l	100
59) 2-Hexanone	9.427	43	807822	228.755	ug/l	100
60) Dibromochloromethane	9.519	129	216749	44.239	ug/l	100
61) 1,2-Dibromoethane	9.604	107	188713	43.202	ug/l	99
64) Tetrachloroethene	9.269	164	164447	44.131	ug/l	96
65) Chlorobenzene	10.073	112	536664	44.318	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.159	131	181544	44.529	ug/l	99
67) Ethyl Benzene	10.189	91	952288	44.977	ug/l	100
68) m/p-Xylenes	10.299	106	709639	89.564	ug/l	100
69) o-Xylene	10.640	106	341662	45.328	ug/l	99
70) Styrene	10.653	104	589610	45.618	ug/l	100
71) Bromoform	10.799	173	136594	44.106	ug/l	100
73) Isopropylbenzene	10.957	105	903154	46.708	ug/l	100
74) N-amyl acetate	10.842	43	360744	46.238	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.207	83	248756	45.037	ug/l	99
76) 1,2,3-Trichloropropane	11.238	75	209195m	46.113	ug/l	
77) Bromobenzene	11.195	156	215391	46.441	ug/l	98
78) n-propylbenzene	11.299	91	1081658	46.812	ug/l	100
79) 2-Chlorotoluene	11.360	91	631252	45.702	ug/l	100
80) 1,3,5-Trimethylbenzene	11.451	105	737827	46.187	ug/l	100
81) trans-1,4-Dichloro-2-b...	11.012	75	79906	45.380	ug/l	97
82) 4-Chlorotoluene	11.451	91	749299	46.476	ug/l	99
83) tert-Butylbenzene	11.713	119	752650	46.942	ug/l	100
84) 1,2,4-Trimethylbenzene	11.750	105	744757	46.741	ug/l	99
85) sec-Butylbenzene	11.890	105	934198	46.632	ug/l	99
86) p-Isopropyltoluene	12.006	119	773508	46.560	ug/l	99
87) 1,3-Dichlorobenzene	11.969	146	400520	45.450	ug/l	99
88) 1,4-Dichlorobenzene	12.036	146	398497	44.634	ug/l	98
89) n-Butylbenzene	12.329	91	735386	47.201	ug/l	99
90) Hexachloroethane	12.536	117	138697	46.667	ug/l	97
91) 1,2-Dichlorobenzene	12.329	146	373286	44.320	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.939	75	47608	44.904	ug/l	99
93) 1,2,4-Trichlorobenzene	13.585	180	261487	46.990	ug/l	99
94) Hexachlorobutadiene	13.725	225	86113	45.502	ug/l	99
95) Naphthalene	13.774	128	755367	46.304	ug/l	100
96) 1,2,3-Trichlorobenzene	13.957	180	241137	44.980	ug/l	98

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX072125\
Data File : VX047062.D
Acq On : 21 Jul 2025 13:17
Operator : JC/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
ICVVX072125

Manual Integrations APPROVED

Reviewed By :John Carlone 07/22/2025
Supervised By :Mahesh Dadoda 07/22/2025

Quant Time: Jul 22 04:01:25 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072125W.M
Quant Title : SW846 8260
QLast Update : Tue Jul 22 03:35:16 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

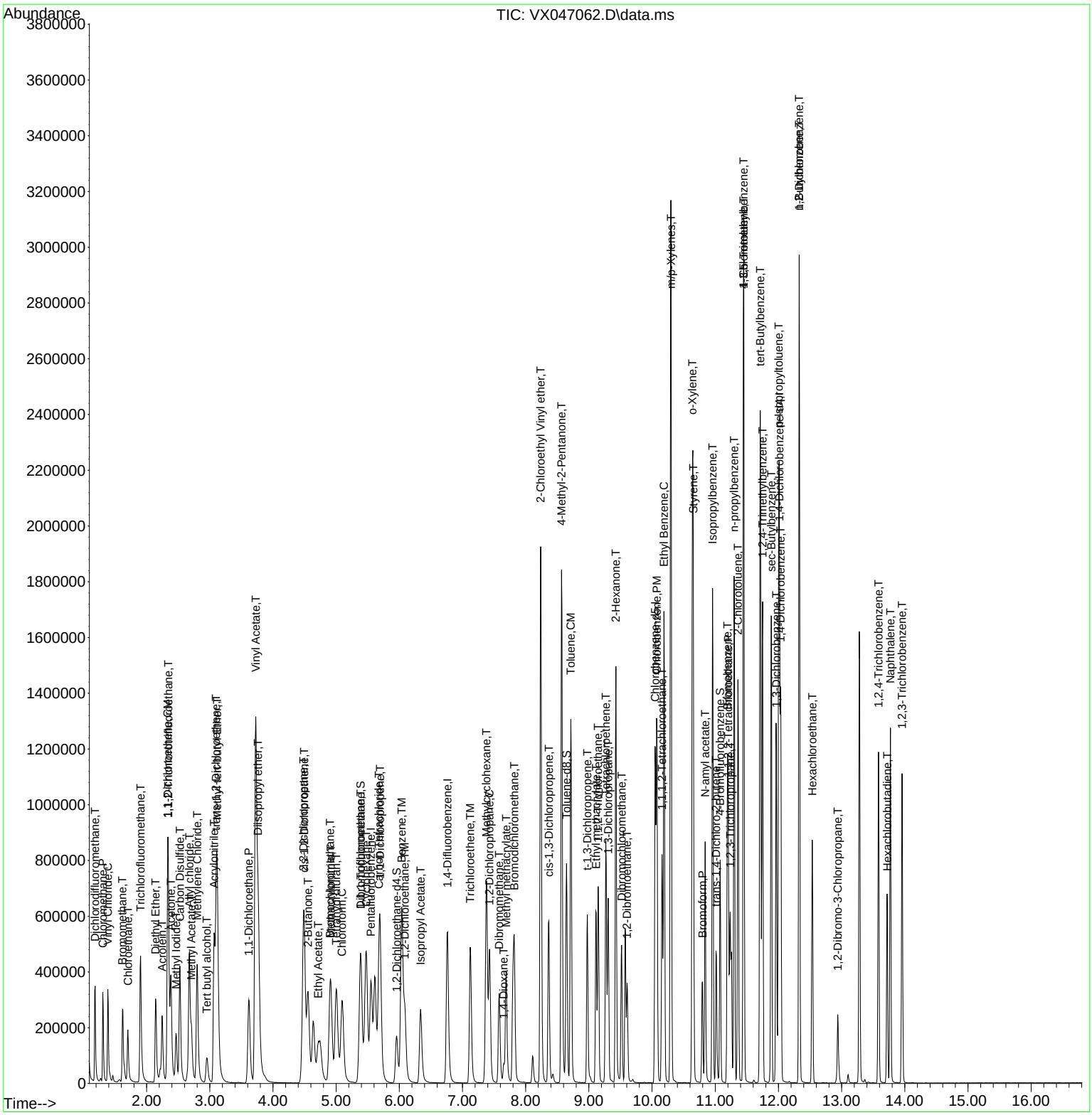
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX072125\
Data File : VX047062.D
Acq On : 21 Jul 2025 13:17
Operator : JC/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Jul 22 04:01:25 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072125W.M
Quant Title : SW846 8260
QLast Update : Tue Jul 22 03:35:16 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
ICVVX072125

Manual Integrations APPROVED

Reviewed By :John Carlone 07/22/2025
Supervised By :Mahesh Dadoda 07/22/2025



Evaluate Continuing Calibration Report

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX072125\
Data File : VX047062.D
Acq On : 21 Jul 2025 13:17
Operator : JC/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
ICVVX072125

Quant Time: Jul 22 04:01:25 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072125W.M
Quant Title : SW846 8260
QLast Update : Tue Jul 22 03:35:16 2025
Response via : Initial Calibration

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

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	Pentafluorobenzene	50.000	50.000	0.0	114	-0.01
2	T	Dichlorodifluoromethane	50.000	51.252	-2.5	101	0.00
3	P	Chloromethane	50.000	47.383	5.2	102	0.00
4	C	Vinyl Chloride	50.000	48.838	2.3#	101	0.00
5	T	Bromomethane	50.000	56.435	-12.9	110	0.00
6	T	Chloroethane	50.000	44.676	10.6	101	0.00
7	T	Trichlorofluoromethane	50.000	47.552	4.9	99	0.00
8	T	Diethyl Ether	50.000	46.477	7.0	101	0.00
9	T	1,1,2-Trichlorotrifluoroeth	50.000	47.104	5.8	101	0.00
10	T	Methyl Iodide	50.000	45.047	9.9	91	0.00
11	T	Tert butyl alcohol	250.000	207.194	17.1	95	0.00
12	CM	1,1-Dichloroethene	50.000	46.555	6.9#	99	0.00
13	T	Acrolein	250.000	208.477	16.6	92	0.00
14	T	Allyl chloride	50.000	46.743	6.5	98	0.00
15	T	Acrylonitrile	250.000	230.845	7.7	95	0.00
16	T	Acetone	250.000	230.823	7.7	105	0.00
17	T	Carbon Disulfide	50.000	45.742	8.5	98	0.00
18	T	Methyl Acetate	50.000	44.045	11.9	97	0.00
19	T	Methyl tert-butyl Ether	50.000	45.291	9.4	96	0.00
20	T	Methylene Chloride	50.000	45.041	9.9	98	0.00
21	T	trans-1,2-Dichloroethene	50.000	46.188	7.6	98	0.00
22	T	Diisopropyl ether	50.000	46.119	7.8	97	0.00
23	T	Vinyl Acetate	250.000	233.940	6.4	97	0.00
24	P	1,1-Dichloroethane	50.000	45.165	9.7	96	0.00
25	T	2-Butanone	250.000	218.892	12.4	93	0.00
26	T	2,2-Dichloropropane	50.000	46.290	7.4	102	0.00
27	T	cis-1,2-Dichloroethene	50.000	44.906	10.2	97	0.00
28	T	Bromochloromethane	50.000	47.168	5.7	99	0.00
29	T	Tetrahydrofuran	250.000	217.460	13.0	91	-0.01
30	C	Chloroform	50.000	43.731	12.5#	96	-0.01
31	T	Cyclohexane	50.000	43.618	12.8	96	0.00
32	T	1,1,1-Trichloroethane	50.000	44.331	11.3	97	-0.01
33	S	1,2-Dichloroethane-d4	50.000	40.022	20.0	99	0.00
34	I	1,4-Difluorobenzene	50.000	50.000	0.0	115	0.00
35	S	Dibromofluoromethane	50.000	42.247	15.5	102	-0.01
36	T	1,1-Dichloropropene	50.000	43.463	13.1	96	0.00
37	T	Ethyl Acetate	50.000	42.381	15.2	93	0.00
38	T	Carbon Tetrachloride	50.000	44.259	11.5	96	-0.01
39	T	Methylcyclohexane	50.000	44.136	11.7	96	0.00
40	TM	Benzene	50.000	44.304	11.4	94	0.00
41	T	Methacrylonitrile	50.000	45.816	8.4	92	-0.01
42	TM	1,2-Dichloroethane	50.000	44.378	11.2	95	-0.01
43	T	Isopropyl Acetate	50.000	45.564	8.9	93	-0.01
44	TM	Trichloroethene	50.000	43.658	12.7	94	0.00
45	C	1,2-Dichloropropane	50.000	44.093	11.8#	95	0.00
46	T	Dibromomethane	50.000	45.121	9.8	95	0.00
47	T	Bromodichloromethane	50.000	44.463	11.1	94	0.00
48	T	Methyl methacrylate	50.000	42.505	15.0	92	0.00

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX072125\
Data File : VX047062.D
Acq On : 21 Jul 2025 13:17
Operator : JC/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
ICVVX072125

Quant Time: Jul 22 04:01:25 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072125W.M
Quant Title : SW846 8260
QLast Update : Tue Jul 22 03:35:16 2025
Response via : Initial Calibration

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

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
49	T	1,4-Dioxane	1000.000	916.760	8.3	95	0.00
50	S	Toluene-d8	50.000	40.102	19.8	100	0.00
51	T	4-Methyl-2-Pentanone	250.000	217.774	12.9	91	0.00
52	CM	Toluene	50.000	44.778	10.4#	95	0.00
53	T	t-1,3-Dichloropropene	50.000	45.444	9.1	95	0.00
54	T	cis-1,3-Dichloropropene	50.000	46.140	7.7	96	0.00
55	T	1,1,2-Trichloroethane	50.000	43.270	13.5	93	0.00
56	T	Ethyl methacrylate	50.000	46.334	7.3	93	0.00
57	T	1,3-Dichloropropane	50.000	43.350	13.3	93	0.00
58	T	2-Chloroethyl Vinyl ether	250.000	225.188	9.9	93	0.00
59	T	2-Hexanone	250.000	228.755	8.5	91	0.00
60	T	Dibromochloromethane	50.000	44.239	11.5	95	0.00
61	T	1,2-Dibromoethane	50.000	43.202	13.6	92	0.00
62	S	4-Bromofluorobenzene	50.000	40.779	18.4	99	0.00
63	I	Chlorobenzene-d5	50.000	50.000	0.0	111	0.00
64	T	Tetrachloroethene	50.000	44.131	11.7	94	0.00
65	PM	Chlorobenzene	50.000	44.318	11.4	94	0.00
66	T	1,1,1,2-Tetrachloroethane	50.000	44.529	10.9	93	0.00
67	C	Ethyl Benzene	50.000	44.977	10.0#	93	0.00
68	T	m/p-Xylenes	100.000	89.564	10.4	93	0.00
69	T	o-Xylene	50.000	45.328	9.3	94	0.00
70	T	Styrene	50.000	45.618	8.8	93	0.00
71	P	Bromoform	50.000	44.106	11.8	90	0.00
72	I	1,4-Dichlorobenzene-d4	50.000	50.000	0.0	110	0.00
73	T	Isopropylbenzene	50.000	46.708	6.6	94	0.00
74	T	N-amyl acetate	50.000	46.238	7.5	90	0.00
75	P	1,1,2,2-Tetrachloroethane	50.000	45.037	9.9	92	0.00
76	T	1,2,3-Trichloropropane	50.000	46.113	7.8	94	0.00
77	T	Bromobenzene	50.000	46.441	7.1	95	0.00
78	T	n-propylbenzene	50.000	46.812	6.4	94	0.00
79	T	2-Chlorotoluene	50.000	45.702	8.6	93	0.00
80	T	1,3,5-Trimethylbenzene	50.000	46.187	7.6	94	0.00
81	T	trans-1,4-Dichloro-2-butene	50.000	45.380	9.2	91	0.00
82	T	4-Chlorotoluene	50.000	46.476	7.0	94	0.00
83	T	tert-Butylbenzene	50.000	46.942	6.1	94	0.00
84	T	1,2,4-Trimethylbenzene	50.000	46.741	6.5	93	0.00
85	T	sec-Butylbenzene	50.000	46.632	6.7	95	0.00
86	T	p-Isopropyltoluene	50.000	46.560	6.9	93	0.00
87	T	1,3-Dichlorobenzene	50.000	45.450	9.1	94	0.00
88	T	1,4-Dichlorobenzene	50.000	44.634	10.7	94	0.00
89	T	n-Butylbenzene	50.000	47.201	5.6	95	0.00
90	T	Hexachloroethane	50.000	46.667	6.7	95	0.00
91	T	1,2-Dichlorobenzene	50.000	44.320	11.4	91	0.00
92	T	1,2-Dibromo-3-Chloropropane	50.000	44.904	10.2	89	0.00
93	T	1,2,4-Trichlorobenzene	50.000	46.990	6.0	95	0.00
94	T	Hexachlorobutadiene	50.000	45.502	9.0	95	0.00
95	T	Naphthalene	50.000	46.304	7.4	90	0.00

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX072125\
Data File : VX047062.D
Acq On : 21 Jul 2025 13:17
Operator : JC/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
ICVVX072125

Quant Time: Jul 22 04:01:25 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072125W.M
Quant Title : SW846 8260
QLast Update : Tue Jul 22 03:35:16 2025
Response via : Initial Calibration

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

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
96 T	1,2,3-Trichlorobenzene	50.000	44.980	10.0	92	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\VX072125\
Data File : VX047062.D
Acq On : 21 Jul 2025 13:17
Operator : JC/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
ICVVX072125

Quant Time: Jul 22 04:01:25 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072125W.M
Quant Title : SW846 8260
QLast Update : Tue Jul 22 03:35:16 2025
Response via : Initial Calibration

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

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	Pentafluorobenzene	1.000	1.000	0.0	114	-0.01
2	T	Dichlorodifluoromethane	0.664	0.681	-2.6	101	0.00
3	P	Chloromethane	0.657	0.623	5.2	102	0.00
4	C	Vinyl Chloride	0.706	0.690	2.3#	101	0.00
5	T	Bromomethane	0.384	0.433	-12.8	110	0.00
6	T	Chloroethane	0.464	0.414	10.8	101	0.00
7	T	Trichlorofluoromethane	1.053	1.001	4.9	99	0.00
8	T	Diethyl Ether	0.371	0.345	7.0	101	0.00
9	T	1,1,2-Trichlorotrifluoroeth	0.634	0.598	5.7	101	0.00
10	T	Methyl Iodide	0.647	0.583	9.9	91	0.00
11	T	Tert butyl alcohol	0.080	0.061	23.8	95	0.00
12	CM	1,1-Dichloroethene	0.628	0.585	6.8#	99	0.00
13	T	Acrolein	0.134	0.112	16.4	92	0.00
14	T	Allyl chloride	1.136	1.062	6.5	98	0.00
15	T	Acrylonitrile	0.297	0.274	7.7	95	0.00
16	T	Acetone	0.250	0.230	8.0	105	0.00
17	T	Carbon Disulfide	1.818	1.663	8.5	98	0.00
18	T	Methyl Acetate	0.663	0.584	11.9	97	0.00
19	T	Methyl tert-butyl Ether	1.912	1.732	9.4	96	0.00
20	T	Methylene Chloride	0.686	0.618	9.9	98	0.00
21	T	trans-1,2-Dichloroethene	0.643	0.594	7.6	98	0.00
22	T	Diisopropyl ether	2.184	2.014	7.8	97	0.00
23	T	Vinyl Acetate	1.752	1.639	6.4	97	0.00
24	P	1,1-Dichloroethane	1.214	1.097	9.6	96	0.00
25	T	2-Butanone	0.363	0.318	12.4	93	0.00
26	T	2,2-Dichloropropane	0.940	0.870	7.4	102	0.00
27	T	cis-1,2-Dichloroethene	0.761	0.684	10.1	97	0.00
28	T	Bromochloromethane	0.559	0.527	5.7	99	0.00
29	T	Tetrahydrofuran	0.234	0.204	12.8	91	-0.01
30	C	Chloroform	1.236	1.081	12.5#	96	-0.01
31	T	Cyclohexane	1.164	1.016	12.7	96	0.00
32	T	1,1,1-Trichloroethane	1.074	0.952	11.4	97	-0.01
33	S	1,2-Dichloroethane-d4	0.623	0.499	19.9	99	0.00
34	I	1,4-Difluorobenzene	1.000	1.000	0.0	115	0.00
35	S	Dibromofluoromethane	0.309	0.261	15.5	102	-0.01
36	T	1,1-Dichloropropene	0.526	0.457	13.1	96	0.00
37	T	Ethyl Acetate	0.485	0.411	15.3	93	0.00
38	T	Carbon Tetrachloride	0.562	0.497	11.6	96	-0.01
39	T	Methylcyclohexane	0.657	0.580	11.7	96	0.00
40	TM	Benzene	1.523	1.349	11.4	94	0.00
41	T	Methacrylonitrile	0.254	0.232	8.7	92	-0.01
42	TM	1,2-Dichloroethane	0.536	0.476	11.2	95	-0.01
43	T	Isopropyl Acetate	0.756	0.689	8.9	93	-0.01
44	TM	Trichloroethene	0.391	0.341	12.8	94	0.00
45	C	1,2-Dichloropropane	0.381	0.336	11.8#	95	0.00
46	T	Dibromomethane	0.267	0.241	9.7	95	0.00
47	T	Bromodichloromethane	0.569	0.506	11.1	94	0.00
48	T	Methyl methacrylate	0.412	0.350	15.0	92	0.00

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX072125\
Data File : VX047062.D
Acq On : 21 Jul 2025 13:17
Operator : JC/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
ICVVX072125

Quant Time: Jul 22 04:01:25 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072125W.M
Quant Title : SW846 8260
QLast Update : Tue Jul 22 03:35:16 2025
Response via : Initial Calibration

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

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
49	T	1,4-Dioxane	0.005	0.004	20.0	95	0.00
50	S	Toluene-d8	1.000	0.802	19.8	100	0.00
51	T	4-Methyl-2-Pentanone	0.449	0.391	12.9	91	0.00
52	CM	Toluene	0.936	0.839	10.4#	95	0.00
53	T	t-1,3-Dichloropropene	0.538	0.489	9.1	95	0.00
54	T	cis-1,3-Dichloropropene	0.588	0.543	7.7	96	0.00
55	T	1,1,2-Trichloroethane	0.351	0.304	13.4	93	0.00
56	T	Ethyl methacrylate	0.520	0.482	7.3	93	0.00
57	T	1,3-Dichloropropane	0.610	0.529	13.3	93	0.00
58	T	2-Chloroethyl Vinyl ether	0.289	0.261	9.7	93	0.00
59	T	2-Hexanone	0.297	0.272	8.4	91	0.00
60	T	Dibromochloromethane	0.412	0.364	11.7	95	0.00
61	T	1,2-Dibromoethane	0.367	0.317	13.6	92	0.00
62	S	4-Bromofluorobenzene	0.431	0.351	18.6	99	0.00
63	I	Chlorobenzene-d5	1.000	1.000	0.0	111	0.00
64	T	Tetrachloroethene	0.360	0.318	11.7	94	0.00
65	PM	Chlorobenzene	1.171	1.038	11.4	94	0.00
66	T	1,1,1,2-Tetrachloroethane	0.394	0.351	10.9	93	0.00
67	C	Ethyl Benzene	2.048	1.842	10.1#	93	0.00
68	T	m/p-Xylenes	0.766	0.686	10.4	93	0.00
69	T	o-Xylene	0.729	0.661	9.3	94	0.00
70	T	Styrene	1.250	1.141	8.7	93	0.00
71	P	Bromoform	0.300	0.264	12.0	90	0.00
72	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	110	0.00
73	T	Isopropylbenzene	3.945	3.685	6.6	94	0.00
74	T	N-amyl acetate	1.592	1.472	7.5	90	0.00
75	P	1,1,2,2-Tetrachloroethane	1.127	1.015	9.9	92	0.00
76	T	1,2,3-Trichloropropane	0.925	0.854	7.7	94	0.00
77	T	Bromobenzene	0.946	0.879	7.1	95	0.00
78	T	n-propylbenzene	4.714	4.413	6.4	94	0.00
79	T	2-Chlorotoluene	2.818	2.576	8.6	93	0.00
80	T	1,3,5-Trimethylbenzene	3.259	3.010	7.6	94	0.00
81	T	trans-1,4-Dichloro-2-butene	0.359	0.326	9.2	91	0.00
82	T	4-Chlorotoluene	3.289	3.057	7.1	94	0.00
83	T	tert-Butylbenzene	3.271	3.071	6.1	94	0.00
84	T	1,2,4-Trimethylbenzene	3.251	3.039	6.5	93	0.00
85	T	sec-Butylbenzene	4.087	3.812	6.7	95	0.00
86	T	p-Isopropyltoluene	3.389	3.156	6.9	93	0.00
87	T	1,3-Dichlorobenzene	1.798	1.634	9.1	94	0.00
88	T	1,4-Dichlorobenzene	1.821	1.626	10.7	94	0.00
89	T	n-Butylbenzene	3.178	3.000	5.6	95	0.00
90	T	Hexachloroethane	0.606	0.566	6.6	95	0.00
91	T	1,2-Dichlorobenzene	1.718	1.523	11.4	91	0.00
92	T	1,2-Dibromo-3-Chloropropane	0.216	0.194	10.2	89	0.00
93	T	1,2,4-Trichlorobenzene	1.135	1.067	6.0	95	0.00
94	T	Hexachlorobutadiene	0.386	0.351	9.1	95	0.00
95	T	Naphthalene	3.328	3.082	7.4	90	0.00

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX072125\
Data File : VX047062.D
Acq On : 21 Jul 2025 13:17
Operator : JC/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
ICVVX072125

Quant Time: Jul 22 04:01:25 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072125W.M
Quant Title : SW846 8260
QLast Update : Tue Jul 22 03:35:16 2025
Response via : Initial Calibration

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

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
96 T	1,2,3-Trichlorobenzene	1.094	0.984	10.1	92	0.00

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

Raw Data: **VX047263.D**

Alliance TECHNICAL GROUP

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

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Alliance Contract: ARAM01

Lab Code: ACE SDG No.: Q2791

Instrument ID: MSVOA_X Calibration Date/Time: 08/08/2025 11:04

Lab File ID: VX047263.D Init. Calib. Date(s): 07/21/2025 07/21/2025

Heated Purge: (Y/N) N Init. Calib. Time(s): 09:47 11:32

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

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Vinyl Chloride	0.706	0.710		0.57	20
1,1-Dichloroethene	0.628	0.599		-4.62	20
2-Butanone	0.363	0.374		3.03	20
Carbon Tetrachloride	0.562	0.511		-9.07	20
Chloroform	1.236	1.259		1.86	20
Benzene	1.523	1.481		-2.76	20
1,2-Dichloroethane	0.536	0.553		3.17	20
Trichloroethene	0.391	0.371		-5.11	20
Tetrachloroethene	0.360	0.325		-9.72	20
Chlorobenzene	1.171	1.124	0.3	-4.01	20
1,2-Dichloroethane-d4	0.623	0.660		5.94	20
Dibromofluoromethane	0.309	0.323		4.53	20
Toluene-d8	1.000	0.902		-9.8	20
4-Bromofluorobenzene	0.431	0.434		0.7	20

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX080825\
Data File : VX047263.D
Acq On : 08 Aug 2025 11:04
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Quant Time: Aug 11 01:55:29 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072125W.M
Quant Title : SW846 8260
QLast Update : Tue Jul 22 03:59:51 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.556	168	231247	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	404873	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	364546	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	177002	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	152665	52.998	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 106.000%			
35) Dibromofluoromethane	5.391	113	130713	52.289	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 104.580%			
50) Toluene-d8	8.647	98	365195	45.110	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 90.220%#			
62) 4-Bromofluorobenzene	11.079	95	175814	50.394	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 100.780%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.185	85	154294	50.233	ug/l	98
3) Chloromethane	1.307	50	136156	44.813	ug/l	99
4) Vinyl Chloride	1.392	62	164247	50.289	ug/l	99
5) Bromomethane	1.624	94	71911	40.533	ug/l	95
6) Chloroethane	1.703	64	92423	43.086	ug/l	99
7) Trichlorofluoromethane	1.904	101	232408	47.721	ug/l	97
8) Diethyl Ether	2.142	74	91672	53.386	ug/l	98
9) 1,1,2-Trichlorotrifluo...	2.343	101	137841	46.978	ug/l	99
10) Methyl Iodide	2.465	142	228091	76.275	ug/l	98
11) Tert butyl alcohol	2.959	59	92358	275.312	ug/l #	84
12) 1,1-Dichloroethene	2.337	96	138506	47.660	ug/l	96
13) Acrolein	2.245	56	153095	246.829	ug/l	100
14) Allyl chloride	2.678	41	244065	46.460	ug/l	94
15) Acrylonitrile	3.075	53	360302	262.259	ug/l	100
16) Acetone	2.386	43	297586	257.878	ug/l	99
17) Carbon Disulfide	2.526	76	400921	47.687	ug/l	99
18) Methyl Acetate	2.709	43	174494	56.900	ug/l	100
19) Methyl tert-butyl Ether	3.117	73	490729	55.484	ug/l	99
20) Methylene Chloride	2.800	84	162173	51.083	ug/l	99
21) trans-1,2-Dichloroethene	3.105	96	149125	50.145	ug/l	96
22) Diisopropyl ether	3.763	45	539008	53.368	ug/l	95
23) Vinyl Acetate	3.727	43	2263579	279.430	ug/l	100
24) 1,1-Dichloroethane	3.617	63	281839	50.183	ug/l	100
25) 2-Butanone	4.562	43	432527	257.412	ug/l	98
26) 2,2-Dichloropropane	4.489	77	205742	47.324	ug/l	99
27) cis-1,2-Dichloroethene	4.495	96	183158	52.011	ug/l	97
28) Bromochloromethane	4.904	49	133256	51.573	ug/l	98
29) Tetrahydrofuran	5.019	42	276863	255.374	ug/l	99
30) Chloroform	5.099	83	291249	50.945	ug/l	99
31) Cyclohexane	5.477	56	239879	44.545	ug/l	95
32) 1,1,1-Trichloroethane	5.391	97	242222	48.780	ug/l	98
36) 1,1-Dichloropropene	5.702	75	188588	44.257	ug/l	99
37) Ethyl Acetate	4.715	43	202555	51.587	ug/l	99
38) Carbon Tetrachloride	5.684	117	206875	45.487	ug/l	100
39) Methylcyclohexane	7.385	83	236926	44.533	ug/l	96
40) Benzene	6.044	78	599757	48.635	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX080825\
Data File : VX047263.D
Acq On : 08 Aug 2025 11:04
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Quant Time: Aug 11 01:55:29 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072125W.M
Quant Title : SW846 8260
QLast Update : Tue Jul 22 03:59:51 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	4.928	41	93566	45.575	ug/l	#	88
42) 1,2-Dichloroethane	6.086	62	223998	51.565	ug/l		99
43) Isopropyl Acetate	6.342	43	326436	53.328	ug/l		99
44) Trichloroethene	7.129	130	150146	47.480	ug/l		99
45) 1,2-Dichloropropane	7.434	63	153258	49.621	ug/l		96
46) Dibromomethane	7.580	93	115987	53.551	ug/l		99
47) Bromodichloromethane	7.818	83	238350	51.701	ug/l		100
48) Methyl methacrylate	7.696	41	168665	50.579	ug/l		99
49) 1,4-Dioxane	7.732	88	33177m	874.753	ug/l		
51) 4-Methyl-2-Pentanone	8.574	43	920319	252.947	ug/l		99
52) Toluene	8.720	92	368712	48.626	ug/l		99
53) t-1,3-Dichloropropene	8.976	75	225767	51.860	ug/l		99
54) cis-1,3-Dichloropropene	8.366	75	246252	51.683	ug/l		99
55) 1,1,2-Trichloroethane	9.147	97	147145	51.745	ug/l		98
56) Ethyl methacrylate	9.116	69	227558	54.054	ug/l		100
57) 1,3-Dichloropropane	9.305	76	254703	51.537	ug/l		100
58) 2-Chloroethyl Vinyl ether	8.238	63	578974	247.148	ug/l		100
59) 2-Hexanone	9.427	43	617131	256.730	ug/l		99
60) Dibromochloromethane	9.519	129	178055	53.388	ug/l		100
61) 1,2-Dibromoethane	9.610	107	151437	50.930	ug/l		98
64) Tetrachloroethene	9.275	164	118324	45.025	ug/l		98
65) Chlorobenzene	10.079	112	409612	47.963	ug/l		98
66) 1,1,1,2-Tetrachloroethane	10.159	131	144886	50.390	ug/l		99
67) Ethyl Benzene	10.189	91	707124	47.356	ug/l		100
68) m/p-Xylenes	10.299	106	526829	94.281	ug/l		100
69) o-Xylene	10.640	106	256952	48.337	ug/l		99
70) Styrene	10.652	104	455538	49.975	ug/l		99
71) Bromoform	10.799	173	111372	50.992	ug/l	#	99
73) Isopropylbenzene	10.957	105	658316	47.143	ug/l		99
74) N-amyl acetate	10.841	43	277128	49.185	ug/l		99
75) 1,1,2,2-Tetrachloroethane	11.207	83	199045	49.900	ug/l		99
76) 1,2,3-Trichloropropane	11.238	75	166853m	50.928	ug/l		
77) Bromobenzene	11.195	156	165609	49.444	ug/l		99
78) n-propylbenzene	11.299	91	780436	46.768	ug/l		99
79) 2-Chlorotoluene	11.360	91	474112	47.530	ug/l		99
80) 1,3,5-Trimethylbenzene	11.451	105	545300	47.267	ug/l		100
81) trans-1,4-Dichloro-2-b...	11.018	75	43870	34.499	ug/l		98
82) 4-Chlorotoluene	11.451	91	554152	47.595	ug/l		100
83) tert-Butylbenzene	11.713	119	551319	47.613	ug/l		99
84) 1,2,4-Trimethylbenzene	11.750	105	554881	48.221	ug/l		100
85) sec-Butylbenzene	11.890	105	669009	46.241	ug/l		100
86) p-Isopropyltoluene	12.006	119	565570	47.139	ug/l		100
87) 1,3-Dichlorobenzene	11.963	146	303368	47.668	ug/l		100
88) 1,4-Dichlorobenzene	12.036	146	302789	46.961	ug/l		98
89) n-Butylbenzene	12.329	91	527023	46.840	ug/l		99
90) Hexachloroethane	12.536	117	102837	47.912	ug/l		98
91) 1,2-Dichlorobenzene	12.335	146	288861	47.490	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	12.939	75	39433	51.501	ug/l		99
93) 1,2,4-Trichlorobenzene	13.585	180	191541	47.662	ug/l		99
94) Hexachlorobutadiene	13.725	225	67223	49.185	ug/l		98
95) Naphthalene	13.774	128	603234	51.203	ug/l		100
96) 1,2,3-Trichlorobenzene	13.957	180	186271	48.112	ug/l		99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX080825\
Data File : VX047263.D
Acq On : 08 Aug 2025 11:04
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Quant Time: Aug 11 01:55:29 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072125W.M
Quant Title : SW846 8260
QLast Update : Tue Jul 22 03:59:51 2025
Response via : Initial Calibration

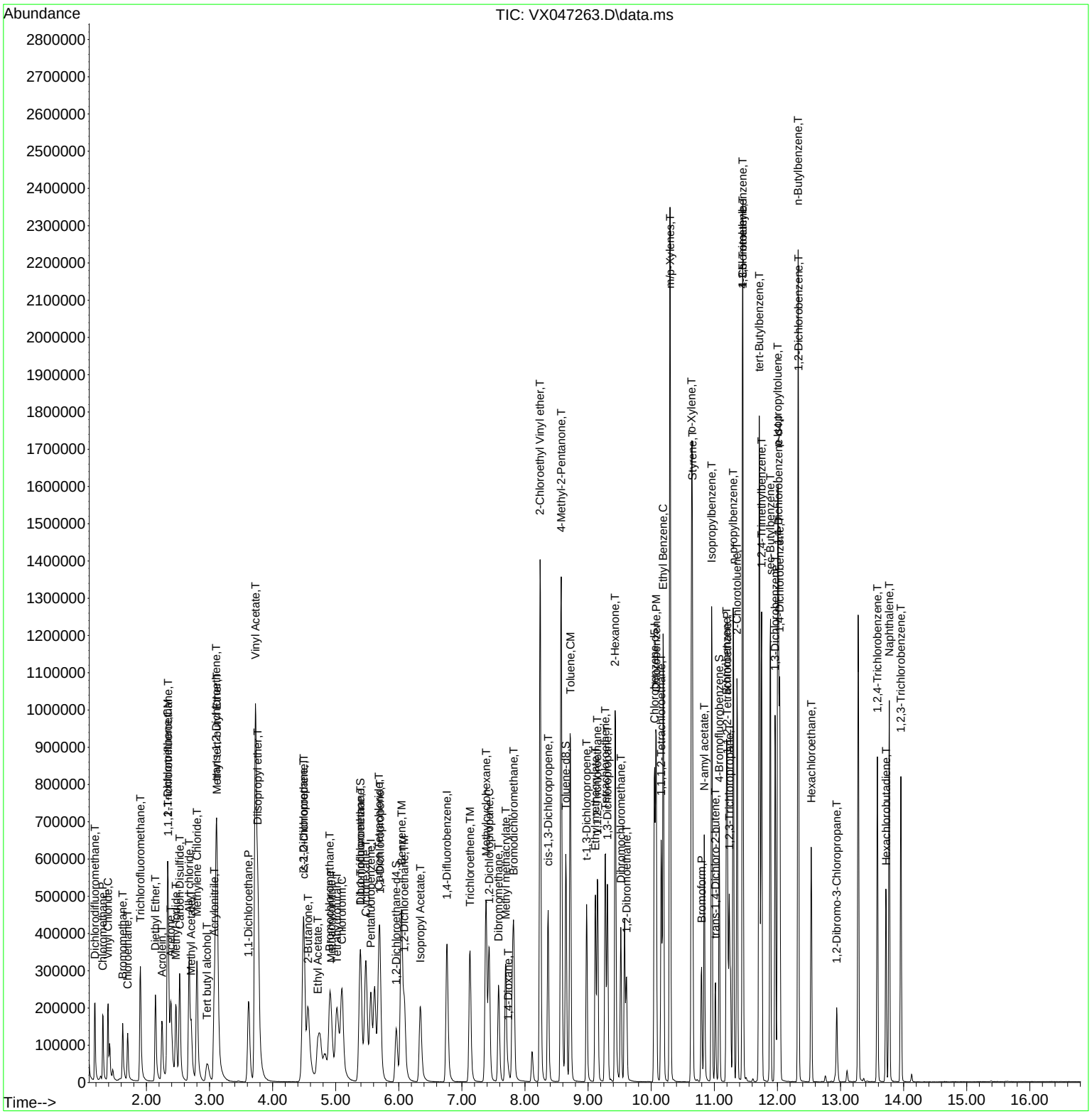
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX080825\
Data File : VX047263.D
Acq On : 08 Aug 2025 11:04
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Quant Time: Aug 11 01:55:29 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072125W.M
Quant Title : SW846 8260
QLast Update : Tue Jul 22 03:59:51 2025
Response via : Initial Calibration



Sample Results: **VX047263.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX080825\
Data File : VX047263.D
Acq On : 08 Aug 2025 11:04
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: Aug 11 01:55:29 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072125W.M
Quant Title : SW846 8260
QLast Update : Tue Jul 22 03:59:51 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	75	0.00
2	T	Dichlorodifluoromethane	0.664	0.667	-0.5	65	0.00
3	P	Chloromethane	0.657	0.589	10.4	63	0.00
4	C	Vinyl Chloride	0.706	0.710	-0.6#	68	0.00
5	T	Bromomethane	0.384	0.311	19.0	52	0.00
6	T	Chloroethane	0.464	0.400	13.8	63	0.00
7	T	Trichlorofluoromethane	1.053	1.005	4.6	65	0.00
8	T	Diethyl Ether	0.371	0.396	-6.7	76	0.00
9	T	1,1,2-Trichlorotrifluoroeth	0.634	0.596	6.0	66	0.00
10	T	Methyl Iodide	0.647	0.986	-52.4#	101	0.00
11	T	Tert butyl alcohol	0.080	0.080	0.0	81	0.00
12	CM	1,1-Dichloroethene	0.628	0.599	4.6#	66	0.00
13	T	Acrolein	0.134	0.132	1.5	71	0.00
14	T	Allyl chloride	1.136	1.055	7.1	64	0.00
15	T	Acrylonitrile	0.297	0.312	-5.1	71	0.00
16	T	Acetone	0.250	0.257	-2.8	76	0.00
17	T	Carbon Disulfide	1.818	1.734	4.6	67	0.00
18	T	Methyl Acetate	0.663	0.755	-13.9	82	0.00
19	T	Methyl tert-butyl Ether	1.912	2.122	-11.0	77	0.00
20	T	Methylene Chloride	0.686	0.701	-2.2	72	0.00
21	T	trans-1,2-Dichloroethene	0.643	0.645	-0.3	69	0.00
22	T	Diisopropyl ether	2.184	2.331	-6.7	74	0.00
23	T	Vinyl Acetate	1.752	1.958	-11.8	75	0.00
24	P	1,1-Dichloroethane	1.214	1.219	-0.4	70	0.00
25	T	2-Butanone	0.363	0.374	-3.0	71	0.00
26	T	2,2-Dichloropropane	0.940	0.890	5.3	68	0.00
27	T	cis-1,2-Dichloroethene	0.761	0.792	-4.1	73	0.00
28	T	Bromochloromethane	0.559	0.576	-3.0	71	0.00
29	T	Tetrahydrofuran	0.234	0.239	-2.1	70	0.00
30	C	Chloroform	1.236	1.259	-1.9#	73	0.00
31	T	Cyclohexane	1.164	1.037	10.9	64	0.00
32	T	1,1,1-Trichloroethane	1.074	1.047	2.5	69	0.00
33	S	1,2-Dichloroethane-d4	0.623	0.660	-5.9	86	0.00
34	I	1,4-Difluorobenzene	1.000	1.000	0.0	78	0.00
35	S	Dibromofluoromethane	0.309	0.323	-4.5	86	0.00
36	T	1,1-Dichloropropene	0.526	0.466	11.4	67	0.00
37	T	Ethyl Acetate	0.485	0.500	-3.1	77	0.00
38	T	Carbon Tetrachloride	0.562	0.511	9.1	67	0.00
39	T	Methylcyclohexane	0.657	0.585	11.0	66	0.00
40	TM	Benzene	1.523	1.481	2.8	70	0.00
41	T	Methacrylonitrile	0.254	0.231	9.1	62	0.00
42	TM	1,2-Dichloroethane	0.536	0.553	-3.2	75	-0.01
43	T	Isopropyl Acetate	0.756	0.806	-6.6	74	0.00
44	TM	Trichloroethene	0.391	0.371	5.1	69	0.00
45	C	1,2-Dichloropropane	0.381	0.379	0.5#	73	0.00
46	T	Dibromomethane	0.267	0.286	-7.1	76	0.00
47	T	Bromodichloromethane	0.569	0.589	-3.5	75	0.00
48	T	Methyl methacrylate	0.412	0.417	-1.2	74	0.00

Sample Results: **VX047263.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX080825\
Data File : VX047263.D
Acq On : 08 Aug 2025 11:04
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: Aug 11 01:55:29 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072125W.M
Quant Title : SW846 8260
QLast Update : Tue Jul 22 03:59:51 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	0.005	0.004	20.0	62	0.07
50	S	Toluene-d8	1.000	0.902	9.8	77	0.00
51	T	4-Methyl-2-Pentanone	0.449	0.455	-1.3	72	0.00
52	CM	Toluene	0.936	0.911	2.7#	70	0.00
53	T	t-1,3-Dichloropropene	0.538	0.558	-3.7	74	0.00
54	T	cis-1,3-Dichloropropene	0.588	0.608	-3.4	73	0.00
55	T	1,1,2-Trichloroethane	0.351	0.363	-3.4	76	0.00
56	T	Ethyl methacrylate	0.520	0.562	-8.1	74	0.00
57	T	1,3-Dichloropropane	0.610	0.629	-3.1	76	0.00
58	T	2-Chloroethyl Vinyl ether	0.289	0.286	1.0	69	0.00
59	T	2-Hexanone	0.297	0.305	-2.7	70	0.00
60	T	Dibromochloromethane	0.412	0.440	-6.8	78	0.00
61	T	1,2-Dibromoethane	0.367	0.374	-1.9	74	0.00
62	S	4-Bromofluorobenzene	0.431	0.434	-0.7	83	0.00
63	I	Chlorobenzene-d5	1.000	1.000	0.0	78	0.00
64	T	Tetrachloroethene	0.360	0.325	9.7	68	0.00
65	PM	Chlorobenzene	1.171	1.124	4.0	72	0.00
66	T	1,1,1,2-Tetrachloroethane	0.394	0.397	-0.8	74	0.00
67	C	Ethyl Benzene	2.048	1.940	5.3#	69	0.00
68	T	m/p-Xylenes	0.766	0.723	5.6	69	0.00
69	T	o-Xylene	0.729	0.705	3.3	70	0.00
70	T	Styrene	1.250	1.250	0.0	72	0.00
71	P	Bromoform	0.300	0.306	-2.0	74	0.00
72	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	79	0.00
73	T	Isopropylbenzene	3.945	3.719	5.7	68	0.00
74	T	N-amyl acetate	1.592	1.566	1.6	69	0.00
75	P	1,1,2,2-Tetrachloroethane	1.127	1.125	0.2	74	0.00
76	T	1,2,3-Trichloropropane	0.925	0.943	-1.9	75	0.00
77	T	Bromobenzene	0.946	0.936	1.1	73	0.00
78	T	n-propylbenzene	4.714	4.409	6.5	68	0.00
79	T	2-Chlorotoluene	2.818	2.679	4.9	70	0.00
80	T	1,3,5-Trimethylbenzene	3.259	3.081	5.5	69	0.00
81	T	trans-1,4-Dichloro-2-butene	0.359	0.248	30.9#	50	0.00
82	T	4-Chlorotoluene	3.289	3.131	4.8	69	0.00
83	T	tert-Butylbenzene	3.271	3.115	4.8	69	0.00
84	T	1,2,4-Trimethylbenzene	3.251	3.135	3.6	69	0.00
85	T	sec-Butylbenzene	4.087	3.780	7.5	68	0.00
86	T	p-Isopropyltoluene	3.389	3.195	5.7	68	0.00
87	T	1,3-Dichlorobenzene	1.798	1.714	4.7	71	0.00
88	T	1,4-Dichlorobenzene	1.821	1.711	6.0	71	0.00
89	T	n-Butylbenzene	3.178	2.977	6.3	68	0.00
90	T	Hexachloroethane	0.606	0.581	4.1	70	0.00
91	T	1,2-Dichlorobenzene	1.718	1.632	5.0	71	0.00
92	T	1,2-Dibromo-3-Chloropropane	0.216	0.223	-3.2	74	0.00
93	T	1,2,4-Trichlorobenzene	1.135	1.082	4.7	70	0.00
94	T	Hexachlorobutadiene	0.386	0.380	1.6	74	0.00
95	T	Naphthalene	3.328	3.408	-2.4	72	0.00

Sample Results: **VX047263.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX080825\
Data File : VX047263.D
Acq On : 08 Aug 2025 11:04
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: Aug 11 01:55:29 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072125W.M
Quant Title : SW846 8260
QLast Update : Tue Jul 22 03:59:51 2025
Response via : Initial Calibration

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

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
96 T	1,2,3-Trichlorobenzene	1.094	1.052	3.8	71	0.00

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

Sample Results: **VX047263.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX080825\
Data File : VX047263.D
Acq On : 08 Aug 2025 11:04
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: Aug 11 01:55:29 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072125W.M
Quant Title : SW846 8260
QLast Update : Tue Jul 22 03:59:51 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	75	0.00
2	T	Dichlorodifluoromethane	50.000	50.233	-0.5	65	0.00
3	P	Chloromethane	50.000	44.813	10.4	63	0.00
4	C	Vinyl Chloride	50.000	50.289	-0.6#	68	0.00
5	T	Bromomethane	50.000	40.533	18.9	52	0.00
6	T	Chloroethane	50.000	43.086	13.8	63	0.00
7	T	Trichlorofluoromethane	50.000	47.721	4.6	65	0.00
8	T	Diethyl Ether	50.000	53.386	-6.8	76	0.00
9	T	1,1,2-Trichlorotrifluoroeth	50.000	46.978	6.0	66	0.00
10	T	Methyl Iodide	50.000	76.275	-52.6#	101	0.00
11	T	Tert butyl alcohol	250.000	275.312	-10.1	81	0.00
12	CM	1,1-Dichloroethene	50.000	47.660	4.7#	66	0.00
13	T	Acrolein	250.000	246.829	1.3	71	0.00
14	T	Allyl chloride	50.000	46.460	7.1	64	0.00
15	T	Acrylonitrile	250.000	262.259	-4.9	71	0.00
16	T	Acetone	250.000	257.878	-3.2	76	0.00
17	T	Carbon Disulfide	50.000	47.687	4.6	67	0.00
18	T	Methyl Acetate	50.000	56.900	-13.8	82	0.00
19	T	Methyl tert-butyl Ether	50.000	55.484	-11.0	77	0.00
20	T	Methylene Chloride	50.000	51.083	-2.2	72	0.00
21	T	trans-1,2-Dichloroethene	50.000	50.145	-0.3	69	0.00
22	T	Diisopropyl ether	50.000	53.368	-6.7	74	0.00
23	T	Vinyl Acetate	250.000	279.430	-11.8	75	0.00
24	P	1,1-Dichloroethane	50.000	50.183	-0.4	70	0.00
25	T	2-Butanone	250.000	257.412	-3.0	71	0.00
26	T	2,2-Dichloropropane	50.000	47.324	5.4	68	0.00
27	T	cis-1,2-Dichloroethene	50.000	52.011	-4.0	73	0.00
28	T	Bromochloromethane	50.000	51.573	-3.1	71	0.00
29	T	Tetrahydrofuran	250.000	255.374	-2.1	70	0.00
30	C	Chloroform	50.000	50.945	-1.9#	73	0.00
31	T	Cyclohexane	50.000	44.545	10.9	64	0.00
32	T	1,1,1-Trichloroethane	50.000	48.780	2.4	69	0.00
33	S	1,2-Dichloroethane-d4	50.000	52.998	-6.0	86	0.00
34	I	1,4-Difluorobenzene	50.000	50.000	0.0	78	0.00
35	S	Dibromofluoromethane	50.000	52.289	-4.6	86	0.00
36	T	1,1-Dichloropropene	50.000	44.257	11.5	67	0.00
37	T	Ethyl Acetate	50.000	51.587	-3.2	77	0.00
38	T	Carbon Tetrachloride	50.000	45.487	9.0	67	0.00
39	T	Methylcyclohexane	50.000	44.533	10.9	66	0.00
40	TM	Benzene	50.000	48.635	2.7	70	0.00
41	T	Methacrylonitrile	50.000	45.575	8.8	62	0.00
42	TM	1,2-Dichloroethane	50.000	51.565	-3.1	75	-0.01
43	T	Isopropyl Acetate	50.000	53.328	-6.7	74	0.00
44	TM	Trichloroethene	50.000	47.480	5.0	69	0.00
45	C	1,2-Dichloropropane	50.000	49.621	0.8#	73	0.00
46	T	Dibromomethane	50.000	53.551	-7.1	76	0.00
47	T	Bromodichloromethane	50.000	51.701	-3.4	75	0.00
48	T	Methyl methacrylate	50.000	50.579	-1.2	74	0.00

Sample Results: **VX047263.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX080825\
Data File : VX047263.D
Acq On : 08 Aug 2025 11:04
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: Aug 11 01:55:29 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072125W.M
Quant Title : SW846 8260
QLast Update : Tue Jul 22 03:59:51 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	874.753	12.5	62	0.07
50	S	Toluene-d8	50.000	45.110	9.8	77	0.00
51	T	4-Methyl-2-Pentanone	250.000	252.947	-1.2	72	0.00
52	CM	Toluene	50.000	48.626	2.7#	70	0.00
53	T	t-1,3-Dichloropropene	50.000	51.860	-3.7	74	0.00
54	T	cis-1,3-Dichloropropene	50.000	51.683	-3.4	73	0.00
55	T	1,1,2-Trichloroethane	50.000	51.745	-3.5	76	0.00
56	T	Ethyl methacrylate	50.000	54.054	-8.1	74	0.00
57	T	1,3-Dichloropropane	50.000	51.537	-3.1	76	0.00
58	T	2-Chloroethyl Vinyl ether	250.000	247.148	1.1	69	0.00
59	T	2-Hexanone	250.000	256.730	-2.7	70	0.00
60	T	Dibromochloromethane	50.000	53.388	-6.8	78	0.00
61	T	1,2-Dibromoethane	50.000	50.930	-1.9	74	0.00
62	S	4-Bromofluorobenzene	50.000	50.394	-0.8	83	0.00
63	I	Chlorobenzene-d5	50.000	50.000	0.0	78	0.00
64	T	Tetrachloroethene	50.000	45.025	10.0	68	0.00
65	PM	Chlorobenzene	50.000	47.963	4.1	72	0.00
66	T	1,1,1,2-Tetrachloroethane	50.000	50.390	-0.8	74	0.00
67	C	Ethyl Benzene	50.000	47.356	5.3#	69	0.00
68	T	m/p-Xylenes	100.000	94.281	5.7	69	0.00
69	T	o-Xylene	50.000	48.337	3.3	70	0.00
70	T	Styrene	50.000	49.975	0.0	72	0.00
71	P	Bromoform	50.000	50.992	-2.0	74	0.00
72	I	1,4-Dichlorobenzene-d4	50.000	50.000	0.0	79	0.00
73	T	Isopropylbenzene	50.000	47.143	5.7	68	0.00
74	T	N-amyl acetate	50.000	49.185	1.6	69	0.00
75	P	1,1,2,2-Tetrachloroethane	50.000	49.900	0.2	74	0.00
76	T	1,2,3-Trichloropropane	50.000	50.928	-1.9	75	0.00
77	T	Bromobenzene	50.000	49.444	1.1	73	0.00
78	T	n-propylbenzene	50.000	46.768	6.5	68	0.00
79	T	2-Chlorotoluene	50.000	47.530	4.9	70	0.00
80	T	1,3,5-Trimethylbenzene	50.000	47.267	5.5	69	0.00
81	T	trans-1,4-Dichloro-2-butene	50.000	34.499	31.0#	50	0.00
82	T	4-Chlorotoluene	50.000	47.595	4.8	69	0.00
83	T	tert-Butylbenzene	50.000	47.613	4.8	69	0.00
84	T	1,2,4-Trimethylbenzene	50.000	48.221	3.6	69	0.00
85	T	sec-Butylbenzene	50.000	46.241	7.5	68	0.00
86	T	p-Isopropyltoluene	50.000	47.139	5.7	68	0.00
87	T	1,3-Dichlorobenzene	50.000	47.668	4.7	71	0.00
88	T	1,4-Dichlorobenzene	50.000	46.961	6.1	71	0.00
89	T	n-Butylbenzene	50.000	46.840	6.3	68	0.00
90	T	Hexachloroethane	50.000	47.912	4.2	70	0.00
91	T	1,2-Dichlorobenzene	50.000	47.490	5.0	71	0.00
92	T	1,2-Dibromo-3-Chloropropane	50.000	51.501	-3.0	74	0.00
93	T	1,2,4-Trichlorobenzene	50.000	47.662	4.7	70	0.00
94	T	Hexachlorobutadiene	50.000	49.185	1.6	74	0.00
95	T	Naphthalene	50.000	51.203	-2.4	72	0.00

Sample Results: **VX047263.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX080825\
Data File : VX047263.D
Acq On : 08 Aug 2025 11:04
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: Aug 11 01:55:29 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072125W.M
Quant Title : SW846 8260
QLast Update : Tue Jul 22 03:59:51 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	48.112	3.8	71	0.00

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

QC SAMPLE DATA

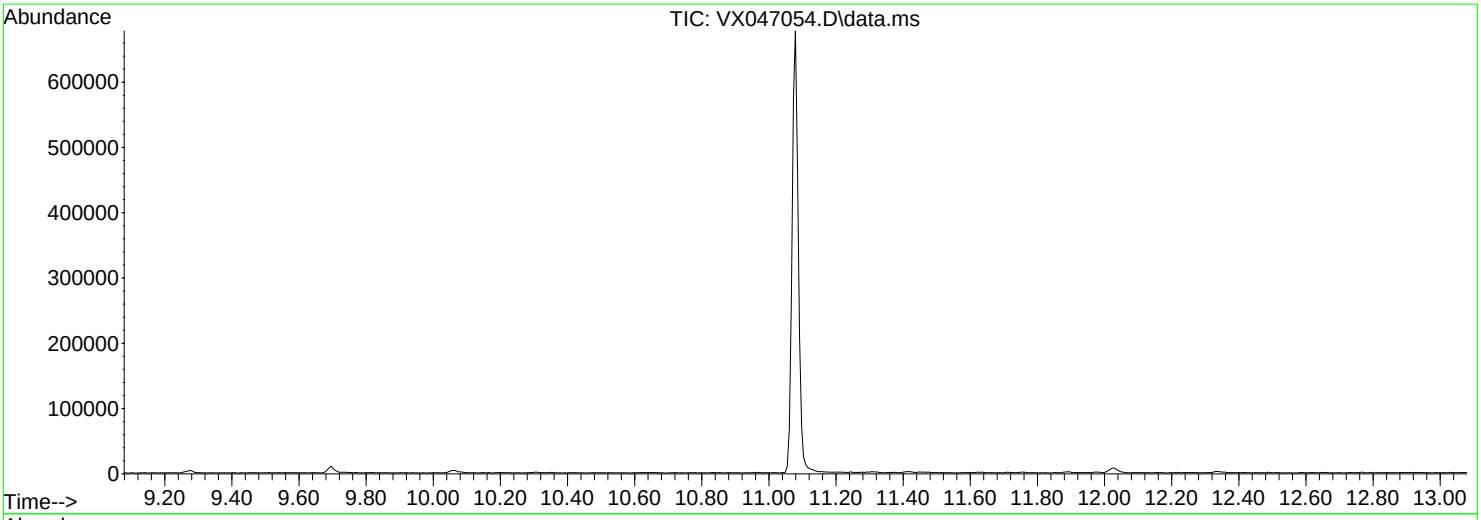
Sample Results: **VX047054.D**

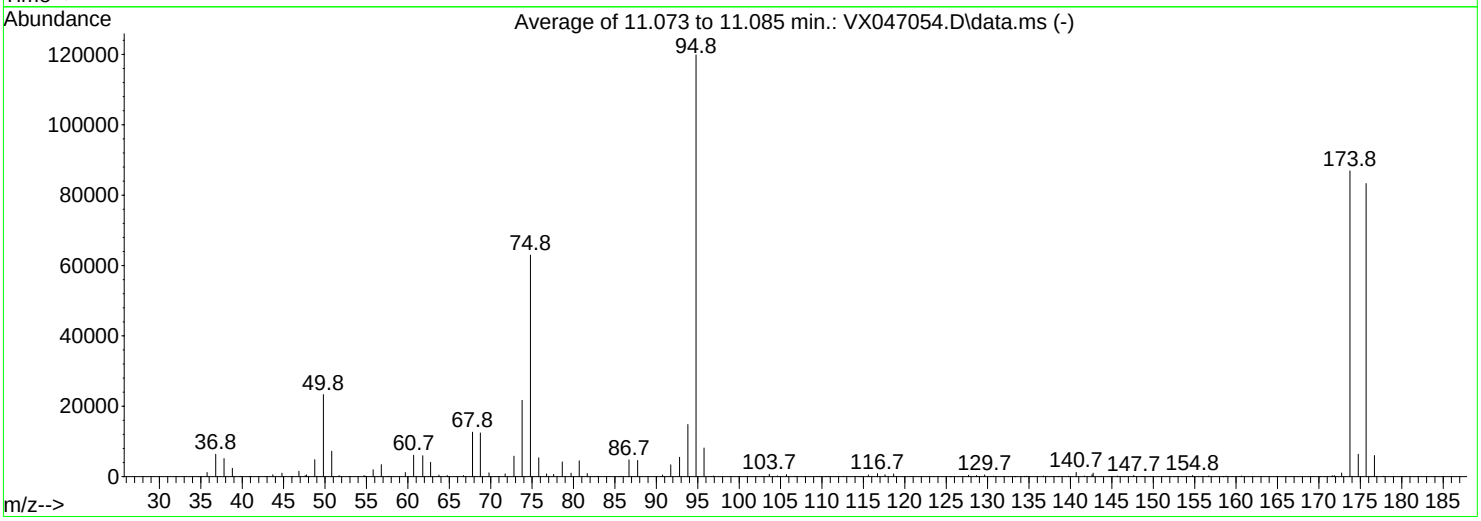
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX072125\
Data File : VX047054.D
Acq On : 21 Jul 2025 08:53
Operator : JC/MD
Sample : BFB
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
BFB

Integration File: RTEINT.P

Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072125W.M
Title : SW846 8260
Last Update : Tue Jul 22 03:59:51 2025





AutoFind: Scans 1638, 1639, 1640; Background Corrected with Scan 1632

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	19.4	23312	PASS
75	95	30	60	52.5	62997	PASS
95	95	100	100	100.0	119888	PASS
96	95	5	9	6.8	8138	PASS
173	174	0.00	2	1.2	1064	PASS
174	95	50	100	72.5	86899	PASS
175	174	5	9	7.3	6373	PASS
176	174	95	101	95.9	83323	PASS
177	176	5	9	7.2	5999	PASS

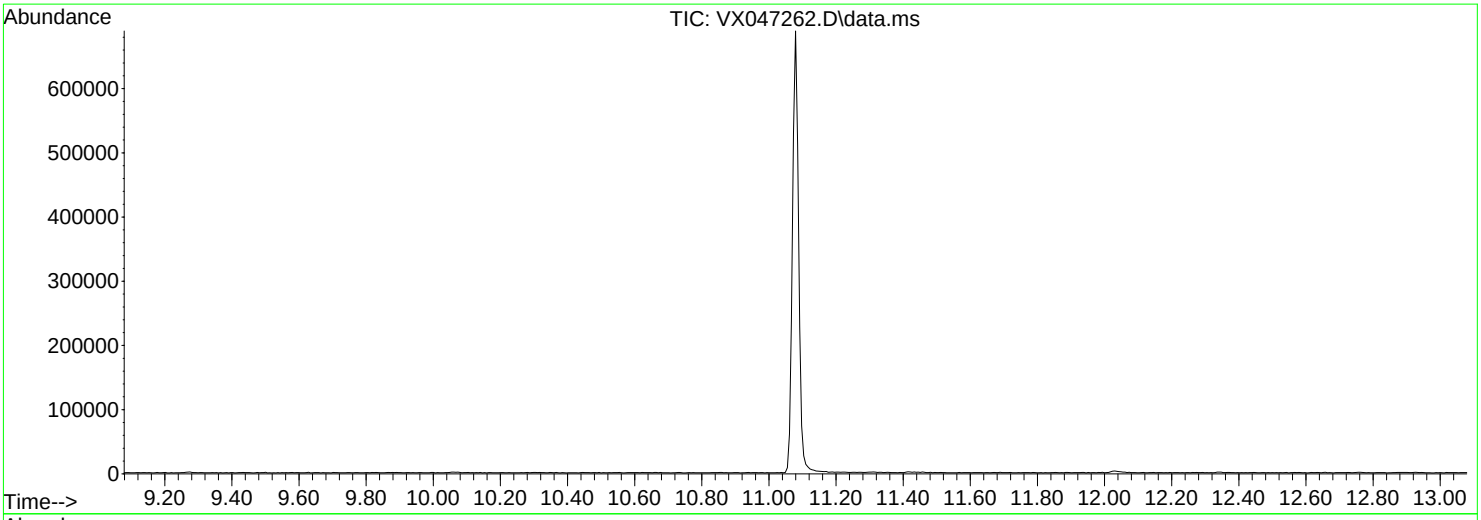
Sample Results: **VX047262.D**

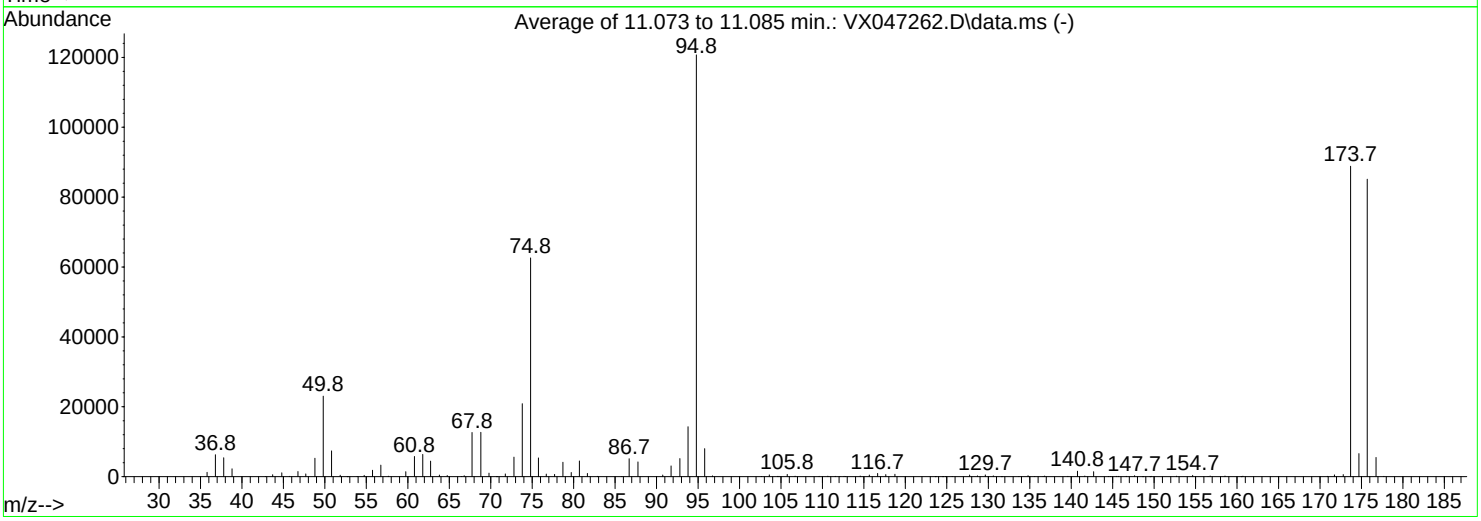
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX080825\
Data File : VX047262.D
Acq On : 08 Aug 2025 10:04
Operator : JC/MD
Sample : BFB
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
BFB

Integration File: RTEINT.P

Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072125W.M
Title : SW846 8260
Last Update : Tue Jul 22 03:59:51 2025





AutoFind: Scans 1638, 1639, 1640; Background Corrected with Scan 1632

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	19.1	23027	PASS
75	95	30	60	51.9	62619	PASS
95	95	100	100	100.0	120720	PASS
96	95	5	9	6.6	7998	PASS
173	174	0.00	2	0.7	595	PASS
174	95	50	100	73.6	88856	PASS
175	174	5	9	7.4	6602	PASS
176	174	95	101	95.8	85136	PASS
177	176	5	9	6.5	5516	PASS

Raw Data: **VX047265.D**

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

Report of Analysis

Client:	Aramark Uniforms		Date Collected:		
Project:	Monthly 2025		Date Received:		
Client Sample ID:	VX0808WBL01		SDG No.:	Q2791	
Lab Sample ID:	VX0808WBL01		Matrix:	TCLP	
Analytical Method:	8260D		% Solid:	0	
Sample Wt/Vol:	5 Units: mL		Final Vol:	5000	uL
Soil Aliquot Vol:	uL		Test:	TCLP VOA	
GC Column:	DB-624UI ID : 0.18		Level :	LOW	
Prep Method :					

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX047265.D	1	08/08/25 12:19	VX080825

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-01-4	Vinyl Chloride	0.26	U	0.26	1.00	ug/L
75-35-4	1,1-Dichloroethene	0.23	U	0.23	1.00	ug/L
78-93-3	2-Butanone	0.98	U	0.98	5.00	ug/L
56-23-5	Carbon Tetrachloride	0.25	U	0.25	1.00	ug/L
67-66-3	Chloroform	0.25	U	0.25	1.00	ug/L
71-43-2	Benzene	0.15	U	0.15	1.00	ug/L
107-06-2	1,2-Dichloroethane	0.22	U	0.22	1.00	ug/L
79-01-6	Trichloroethene	0.090	U	0.090	1.00	ug/L
127-18-4	Tetrachloroethene	0.23	U	0.23	1.00	ug/L
108-90-7	Chlorobenzene	0.12	U	0.12	1.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	55.1		74 - 125	110%	SPK: 50
1868-53-7	Dibromofluoromethane	50.5		75 - 124	101%	SPK: 50
2037-26-5	Toluene-d8	56.5		86 - 113	113%	SPK: 50
460-00-4	4-Bromofluorobenzene	54.0		77 - 121	108%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	369000	5.556			
540-36-3	1,4-Difluorobenzene	681000	6.763			
3114-55-4	Chlorobenzene-d5	662000	10.055			
3855-82-1	1,4-Dichlorobenzene-d4	332000	12.018			

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

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX080825\
Data File : VX047265.D
Acq On : 08 Aug 2025 12:19
Operator : JC/MD
Sample : VX0808WBL01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0808WBL01

Quant Time: Aug 11 01:57:16 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072125W.M
Quant Title : SW846 8260
QLast Update : Tue Jul 22 03:59:51 2025
Response via : Initial Calibration

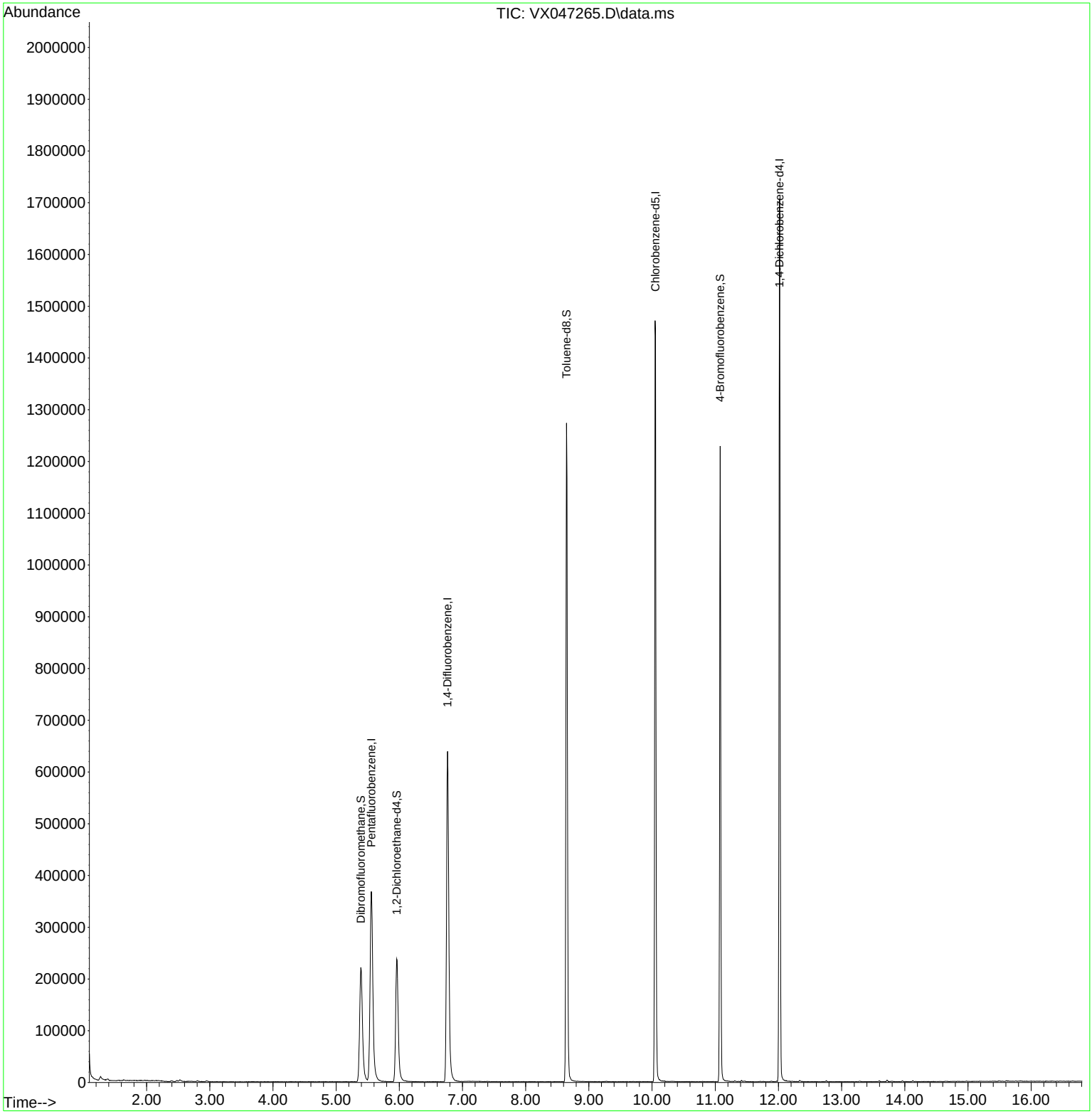
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.556	168	368606	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	680757	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	661932	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	331943	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	253067	55.114	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 110.220%			
35) Dibromofluoromethane	5.391	113	212297	50.508	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 101.020%			
50) Toluene-d8	8.647	98	768537	56.460	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 112.920%#			
62) 4-Bromofluorobenzene	11.079	95	316689	53.987	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 107.980%			
Target Compounds						Qvalue

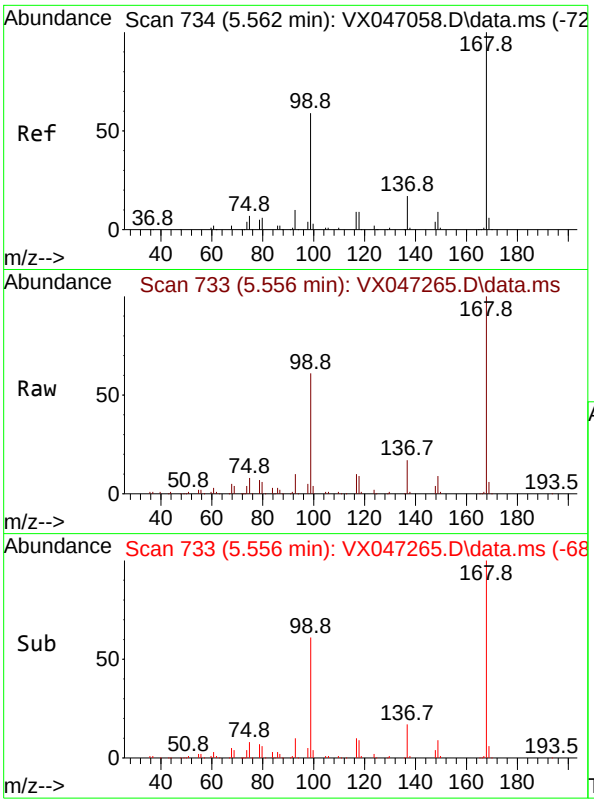
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX080825\
Data File : VX047265.D
Acq On : 08 Aug 2025 12:19
Operator : JC/MD
Sample : VX0808WBL01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0808WBL01

Quant Time: Aug 11 01:57:16 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072125W.M
Quant Title : SW846 8260
QLast Update : Tue Jul 22 03:59:51 2025
Response via : Initial Calibration



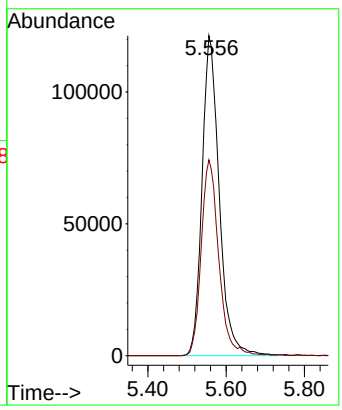


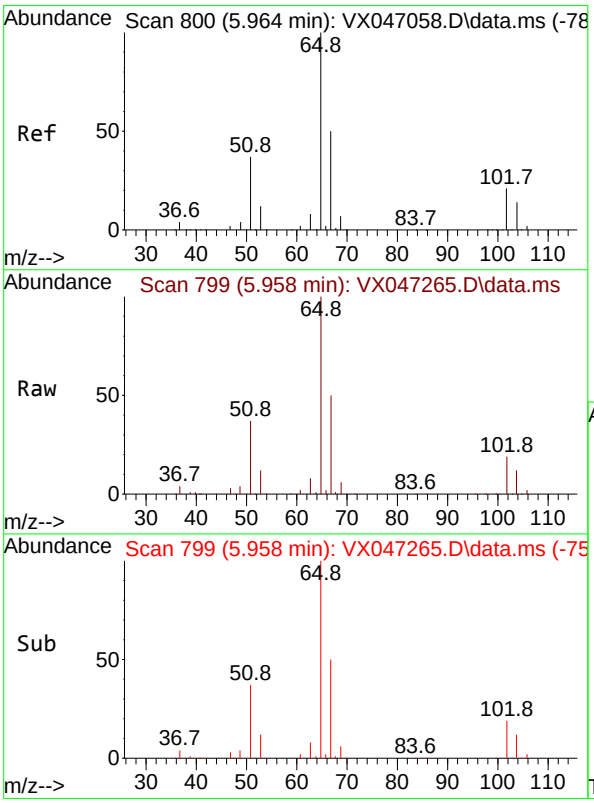
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX047265.D
Acq: 08 Aug 2025 12:19

Instrument :
MSVOA_X
ClientSampleId :
VX0808WBL01

Tgt Ion:168 Resp: 368606

Ion	Ratio	Lower	Upper
168	100		
99	61.2	48.0	72.0

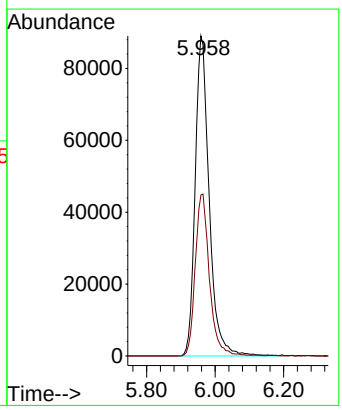


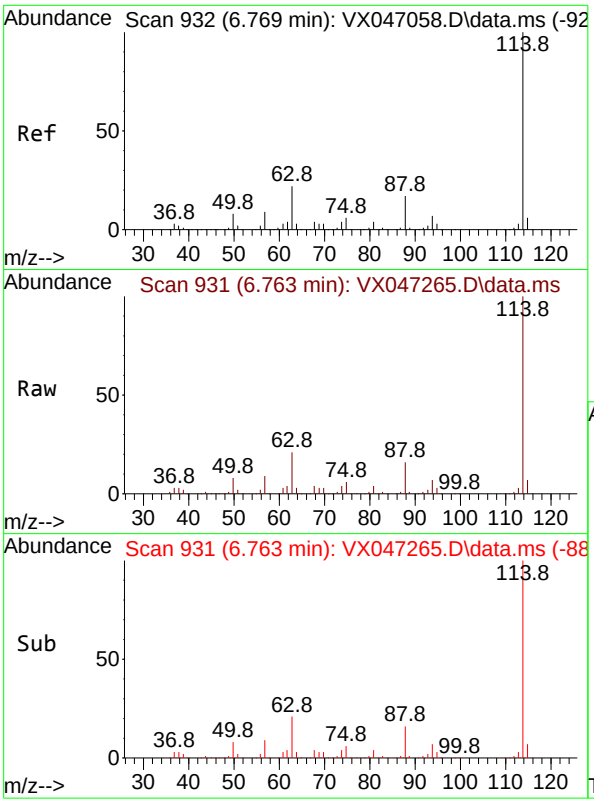


#33
1,2-Dichloroethane-d4
Concen: 55.114 ug/l
RT: 5.958 min Scan# 799
Delta R.T. -0.006 min
Lab File: VX047265.D
Acq: 08 Aug 2025 12:19

Tgt Ion: 65 Resp: 253067

Ion	Ratio	Lower	Upper
65	100		
67	51.3	0.0	104.8



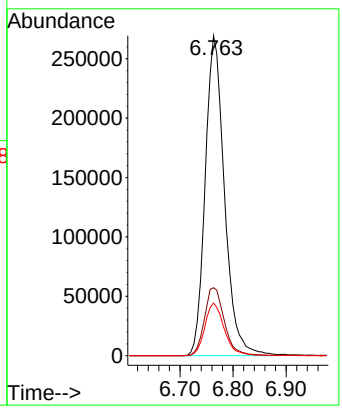


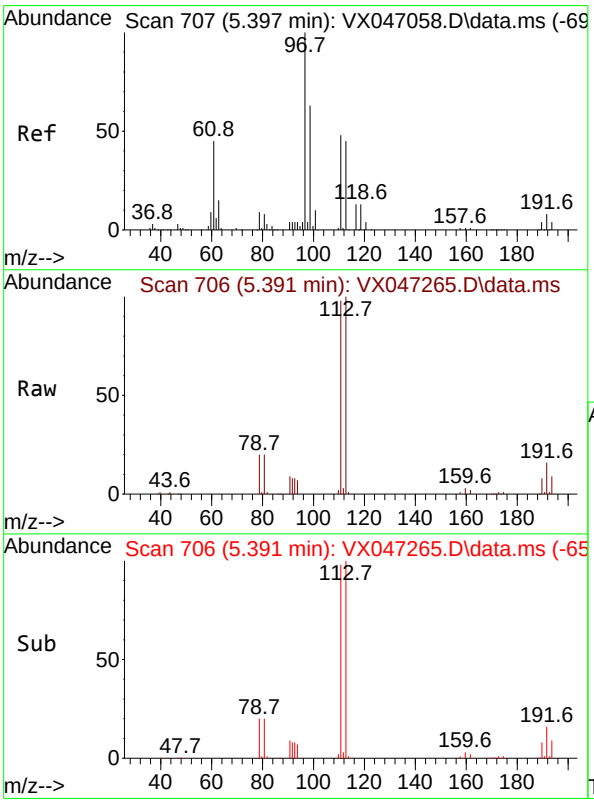
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 9
Delta R.T. -0.006 min
Lab File: VX047265.D
Acq: 08 Aug 2025 12:19

Instrument :
MSVOA_X
ClientSampleId :
VX0808WBL01

Tgt Ion:114 Resp: 680757

Ion	Ratio	Lower	Upper
114	100		
63	21.3	0.0	43.2
88	16.5	0.0	33.8

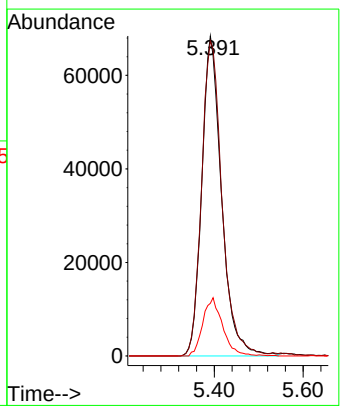


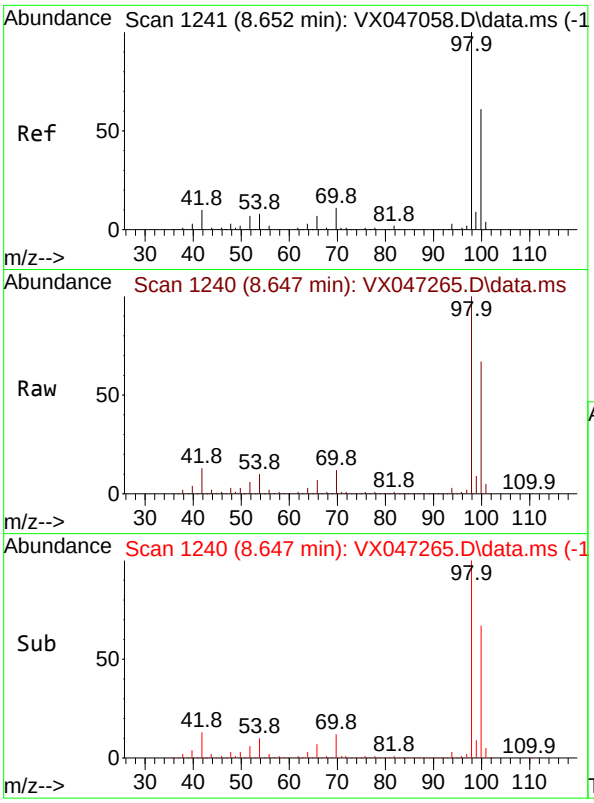


#35
Dibromofluoromethane
Concen: 50.508 ug/l
RT: 5.391 min Scan# 706
Delta R.T. -0.006 min
Lab File: VX047265.D
Acq: 08 Aug 2025 12:19

Tgt Ion:113 Resp: 212297

Ion	Ratio	Lower	Upper
113	100		
111	101.3	82.6	124.0
192	18.1	14.9	22.3



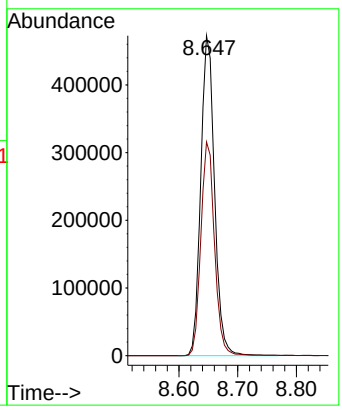


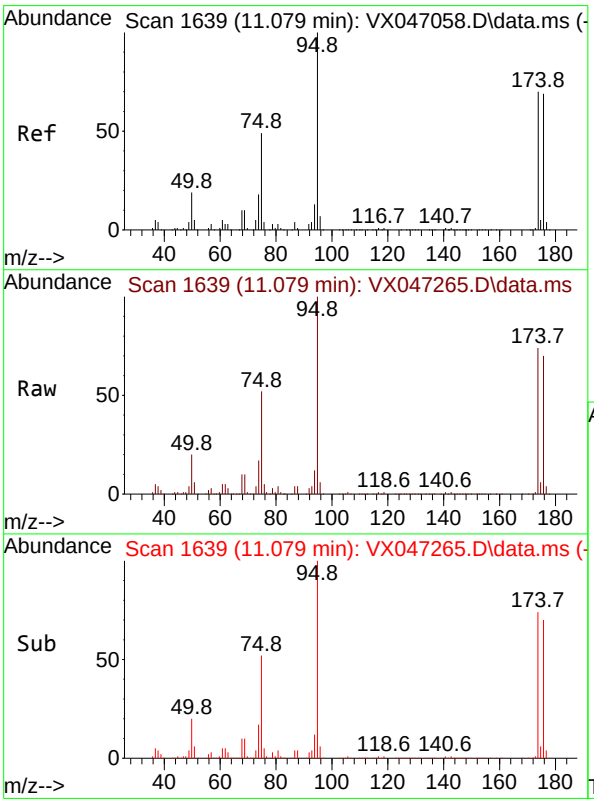
#50
Toluene-d8
Concen: 56.460 ug/l
RT: 8.647 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX047265.D
Acq: 08 Aug 2025 12:19

Instrument :
MSVOA_X
ClientSampleId :
VX0808WBL01

Tgt Ion: 98 Resp: 768537

Ion	Ratio	Lower	Upper
98	100		
100	66.3	53.3	79.9

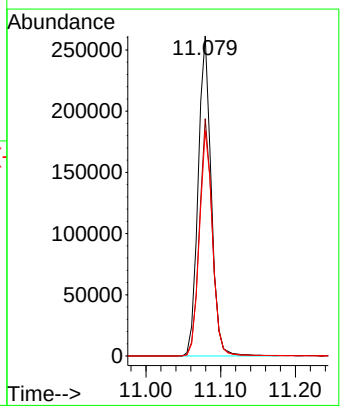


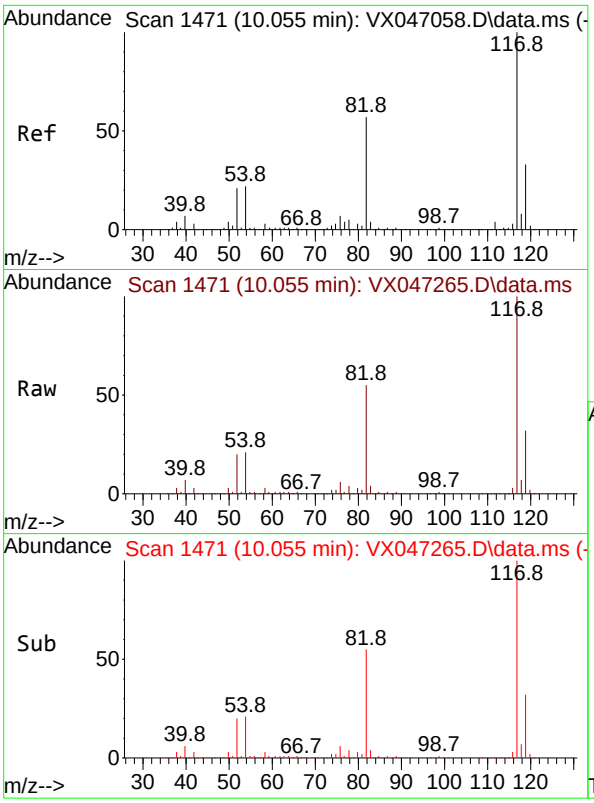


#62
4-Bromofluorobenzene
Concen: 53.987 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX047265.D
Acq: 08 Aug 2025 12:19

Tgt Ion: 95 Resp: 316689

Ion	Ratio	Lower	Upper
95	100		
174	73.1	0.0	144.6
176	70.9	0.0	139.6



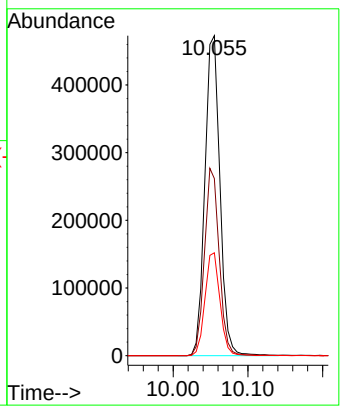


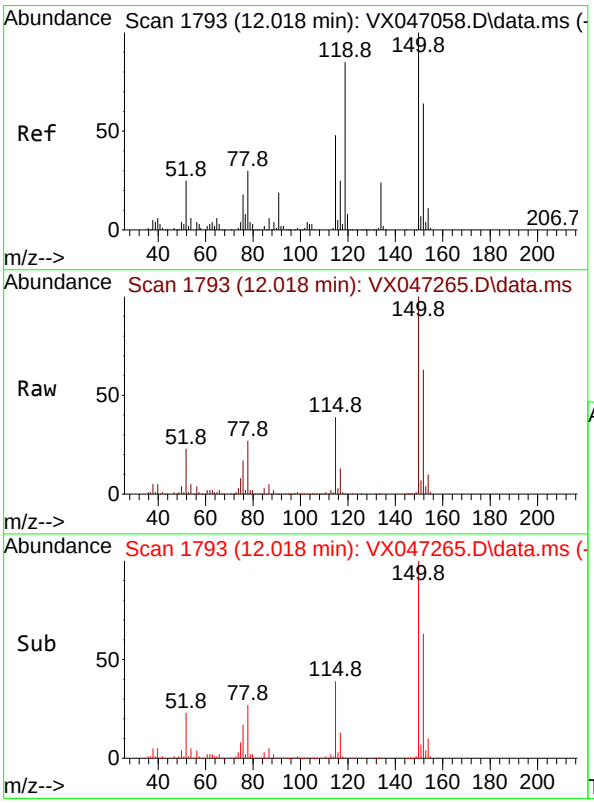
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX047265.D
Acq: 08 Aug 2025 12:19

Instrument :
MSVOA_X
ClientSampleId :
VX0808WBL01

Tgt Ion:117 Resp: 661932

Ion	Ratio	Lower	Upper
117	100		
82	55.4	45.4	68.2
119	32.1	26.1	39.1

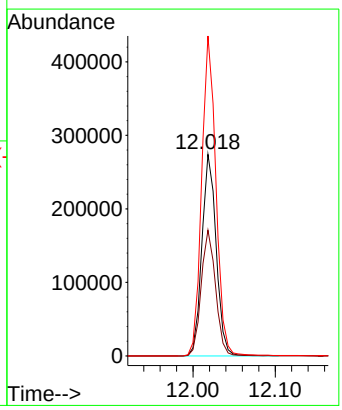




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. 0.000 min
Lab File: VX047265.D
Acq: 08 Aug 2025 12:19

Tgt Ion:152 Resp: 331943

Ion	Ratio	Lower	Upper
152	100		
115	62.8	45.6	136.7
150	158.0	0.0	354.6



Raw Data: **VX047266.D**

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

Report of Analysis

Client:	Aramark Uniforms		Date Collected:		
Project:	Monthly 2025		Date Received:		
Client Sample ID:	VX0808WBS01		SDG No.:	Q2791	
Lab Sample ID:	VX0808WBS01		Matrix:	TCLP	
Analytical Method:	8260D		% Solid:	0	
Sample Wt/Vol:	5 Units: mL		Final Vol:	5000	uL
Soil Aliquot Vol:	uL		Test:	TCLP VOA	
GC Column:	DB-624UI ID : 0.18		Level :	LOW	
Prep Method :					

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX047266.D	1	08/08/25 13:16	VX080825

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-01-4	Vinyl Chloride	20.5		0.26	1.00	ug/L
75-35-4	1,1-Dichloroethene	19.1		0.23	1.00	ug/L
78-93-3	2-Butanone	99.6		0.98	5.00	ug/L
56-23-5	Carbon Tetrachloride	18.9		0.25	1.00	ug/L
67-66-3	Chloroform	19.3		0.25	1.00	ug/L
71-43-2	Benzene	19.7		0.15	1.00	ug/L
107-06-2	1,2-Dichloroethane	19.8		0.22	1.00	ug/L
79-01-6	Trichloroethene	19.2		0.090	1.00	ug/L
127-18-4	Tetrachloroethene	19.2		0.23	1.00	ug/L
108-90-7	Chlorobenzene	19.5		0.12	1.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	52.0		74 - 125	104%	SPK: 50
1868-53-7	Dibromofluoromethane	56.5		75 - 124	113%	SPK: 50
2037-26-5	Toluene-d8	50.1		86 - 113	100%	SPK: 50
460-00-4	4-Bromofluorobenzene	56.2		77 - 121	112%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	241000	5.556			
540-36-3	1,4-Difluorobenzene	405000	6.763			
3114-55-4	Chlorobenzene-d5	361000	10.055			
3855-82-1	1,4-Dichlorobenzene-d4	186000	12.018			

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

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX080825\
Data File : VX047266.D
Acq On : 08 Aug 2025 13:16
Operator : JC/MD
Sample : VX0808WBS01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0808WBS01

Quant Time: Aug 11 01:57:46 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072125W.M
Quant Title : SW846 8260
QLast Update : Tue Jul 22 03:59:51 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.556	168	241260	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	404774	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	361083	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	185608	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	156360	52.027	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 104.060%			
35) Dibromofluoromethane	5.391	113	141138	56.473	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 112.940%			
50) Toluene-d8	8.647	98	405342	50.082	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 100.160%			
62) 4-Bromofluorobenzene	11.079	95	196155	56.239	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 112.480%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.185	85	66040	20.608	ug/l	97
3) Chloromethane	1.307	50	56800	17.919	ug/l	96
4) Vinyl Chloride	1.392	62	69796	20.483	ug/l	99
5) Bromomethane	1.630	94	32674	17.652	ug/l	97
6) Chloroethane	1.709	64	40033	17.888	ug/l	91
7) Trichlorofluoromethane	1.904	101	101163	19.910	ug/l	97
8) Diethyl Ether	2.142	74	33085	18.468	ug/l	100
9) 1,1,2-Trichlorotrifluo...	2.343	101	59986	19.596	ug/l	99
10) Methyl Iodide	2.471	142	83282	26.694	ug/l	99
11) Tert butyl alcohol	2.953	59	31061	81.478	ug/l	98
12) 1,1-Dichloroethene	2.337	96	57825	19.072	ug/l	91
13) Acrolein	2.246	56	31146	48.131	ug/l	97
14) Allyl chloride	2.678	41	93066	16.981	ug/l	90
15) Acrylonitrile	3.075	53	133573	93.191	ug/l	99
16) Acetone	2.386	43	144866	120.326	ug/l	97
17) Carbon Disulfide	2.526	76	170360	19.422	ug/l	100
18) Methyl Acetate	2.715	43	62713	19.601	ug/l	97
19) Methyl tert-butyl Ether	3.123	73	177088	19.191	ug/l	98
20) Methylene Chloride	2.800	84	62812	18.964	ug/l	99
21) trans-1,2-Dichloroethene	3.105	96	60500	19.500	ug/l	95
22) Diisopropyl ether	3.764	45	204623	19.419	ug/l	93
23) Vinyl Acetate	3.727	43	819126	96.921	ug/l	99
24) 1,1-Dichloroethane	3.617	63	114209	19.491	ug/l	100
25) 2-Butanone	4.562	43	174560	99.575	ug/l	100
26) 2,2-Dichloropropane	4.489	77	89333	19.695	ug/l	99
27) cis-1,2-Dichloroethene	4.495	96	71762	19.532	ug/l	98
28) Bromochloromethane	4.910	49	54424	20.189	ug/l	99
29) Tetrahydrofuran	5.019	42	102216	90.369	ug/l	97
30) Chloroform	5.099	83	115309	19.333	ug/l	99
31) Cyclohexane	5.483	56	107883	19.202	ug/l	97
32) 1,1,1-Trichloroethane	5.397	97	101419	19.577	ug/l	99
36) 1,1-Dichloropropene	5.702	75	83172	19.523	ug/l	99
37) Ethyl Acetate	4.721	43	72285	18.414	ug/l	100
38) Carbon Tetrachloride	5.690	117	85869	18.885	ug/l	99
39) Methylcyclohexane	7.385	83	105125	19.764	ug/l	97
40) Benzene	6.044	78	243217	19.728	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX080825\
Data File : VX047266.D
Acq On : 08 Aug 2025 13:16
Operator : JC/MD
Sample : VX0808WBS01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0808WBS01

Quant Time: Aug 11 01:57:46 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072125W.M
Quant Title : SW846 8260
QLast Update : Tue Jul 22 03:59:51 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	4.940	41	35453	17.273	ug/l		91
42) 1,2-Dichloroethane	6.092	62	85939	19.788	ug/l		99
43) Isopropyl Acetate	6.342	43	118895	19.428	ug/l		100
44) Trichloroethene	7.129	130	60755	19.217	ug/l		99
45) 1,2-Dichloropropane	7.434	63	61067	19.777	ug/l		95
46) Dibromomethane	7.580	93	43874	20.262	ug/l		100
47) Bromodichloromethane	7.824	83	90575	19.652	ug/l		98
48) Methyl methacrylate	7.696	41	61047	18.311	ug/l		99
49) 1,4-Dioxane	7.720	88	14216	374.914	ug/l		96
51) 4-Methyl-2-Pentanone	8.574	43	353871	97.284	ug/l		98
52) Toluene	8.720	92	150660	19.874	ug/l		99
53) t-1,3-Dichloropropene	8.976	75	83671	19.224	ug/l		100
54) cis-1,3-Dichloropropene	8.366	75	93016	19.527	ug/l		98
55) 1,1,2-Trichloroethane	9.153	97	56552	19.892	ug/l		99
56) Ethyl methacrylate	9.116	69	83333	19.800	ug/l		99
57) 1,3-Dichloropropane	9.305	76	97248	19.682	ug/l		100
58) 2-Chloroethyl Vinyl ether	8.238	63	221841	94.721	ug/l		99
59) 2-Hexanone	9.433	43	252943	105.251	ug/l		99
60) Dibromochloromethane	9.519	129	68601	20.574	ug/l		97
61) 1,2-Dibromoethane	9.610	107	57921	19.484	ug/l		98
64) Tetrachloroethene	9.275	164	49999	19.208	ug/l		95
65) Chlorobenzene	10.080	112	165320	19.544	ug/l		99
66) 1,1,1,2-Tetrachloroethane	10.159	131	56880	19.972	ug/l		98
67) Ethyl Benzene	10.189	91	292435	19.772	ug/l		99
68) m/p-Xylenes	10.299	106	220170	39.779	ug/l		99
69) o-Xylene	10.640	106	104810	19.906	ug/l		99
70) Styrene	10.653	104	180871	20.033	ug/l		99
71) Bromoform	10.799	173	43499	20.107	ug/l	#	98
73) Isopropylbenzene	10.957	105	282402	19.285	ug/l		100
74) N-amyl acetate	10.842	43	106593	18.041	ug/l		99
75) 1,1,2,2-Tetrachloroethane	11.207	83	80104	19.151	ug/l		97
76) 1,2,3-Trichloropropane	11.238	75	63967m	18.619	ug/l		
77) Bromobenzene	11.195	156	66570	18.954	ug/l		99
78) n-propylbenzene	11.299	91	337395	19.281	ug/l		99
79) 2-Chlorotoluene	11.360	91	199298	19.053	ug/l		99
80) 1,3,5-Trimethylbenzene	11.451	105	231516	19.137	ug/l		98
81) trans-1,4-Dichloro-2-b...	11.018	75	15884	11.912	ug/l		96
82) 4-Chlorotoluene	11.451	91	234556	19.211	ug/l		98
83) tert-Butylbenzene	11.713	119	236508	19.478	ug/l		99
84) 1,2,4-Trimethylbenzene	11.750	105	233519	19.353	ug/l		99
85) sec-Butylbenzene	11.890	105	298099	19.649	ug/l		100
86) p-Isopropyltoluene	12.006	119	247888	19.703	ug/l		100
87) 1,3-Dichlorobenzene	11.969	146	129734	19.440	ug/l		99
88) 1,4-Dichlorobenzene	12.037	146	131029	19.379	ug/l		98
89) n-Butylbenzene	12.329	91	232022	19.665	ug/l		98
90) Hexachloroethane	12.536	117	43042	19.124	ug/l		98
91) 1,2-Dichlorobenzene	12.335	146	123211	19.317	ug/l		100
92) 1,2-Dibromo-3-Chloropr...	12.939	75	15786	19.661	ug/l		98
93) 1,2,4-Trichlorobenzene	13.585	180	81422	19.321	ug/l		99
94) Hexachlorobutadiene	13.719	225	30706	21.425	ug/l		98
95) Naphthalene	13.774	128	236650	19.156	ug/l		100
96) 1,2,3-Trichlorobenzene	13.957	180	77855	19.177	ug/l		99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX080825\
Data File : VX047266.D
Acq On : 08 Aug 2025 13:16
Operator : JC/MD
Sample : VX0808WBS01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0808WBS01

Quant Time: Aug 11 01:57:46 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072125W.M
Quant Title : SW846 8260
QLast Update : Tue Jul 22 03:59:51 2025
Response via : Initial Calibration

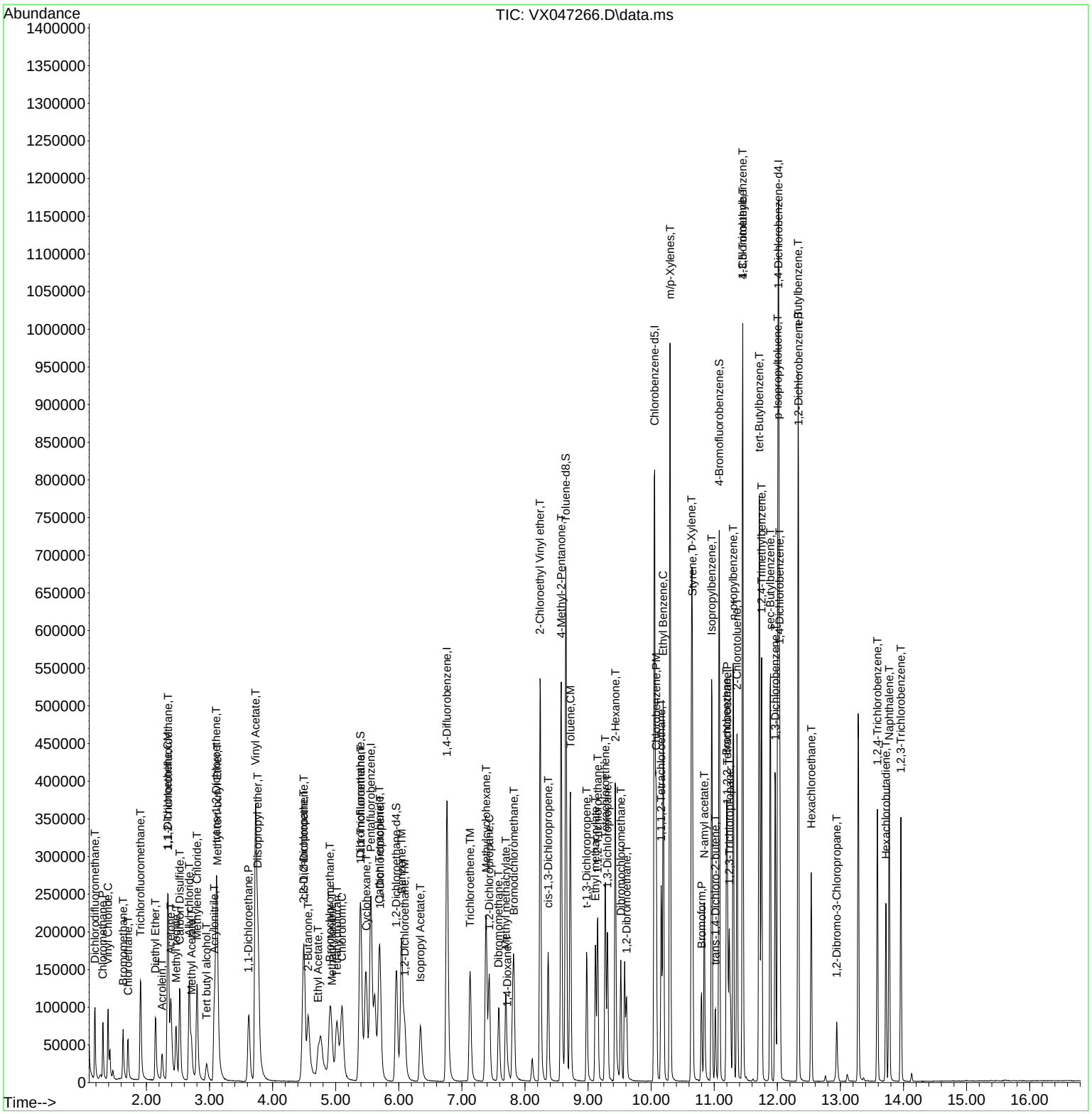
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX080825\
Data File : VX047266.D
Acq On : 08 Aug 2025 13:16
Operator : JC/MD
Sample : VX0808WBS01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0808WBS01

Quant Time: Aug 11 01:57:46 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072125W.M
Quant Title : SW846 8260
QLast Update : Tue Jul 22 03:59:51 2025
Response via : Initial Calibration



Raw Data: **VX047267.D**

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

Report of Analysis

Client:	Aramark Uniforms		Date Collected:		
Project:	Monthly 2025		Date Received:		
Client Sample ID:	VX0808WBSD01		SDG No.:	Q2791	
Lab Sample ID:	VX0808WBSD01		Matrix:	TCLP	
Analytical Method:	8260D		% Solid:	0	
Sample Wt/Vol:	5 Units: mL		Final Vol:	5000	uL
Soil Aliquot Vol:	uL		Test:	TCLP VOA	
GC Column:	DB-624UI ID : 0.18		Level :	LOW	
Prep Method :					

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX047267.D	1	08/08/25 13:45	VX080825

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-01-4	Vinyl Chloride	19.9		0.26	1.00	ug/L
75-35-4	1,1-Dichloroethene	18.7		0.23	1.00	ug/L
78-93-3	2-Butanone	100		0.98	5.00	ug/L
56-23-5	Carbon Tetrachloride	19.2		0.25	1.00	ug/L
67-66-3	Chloroform	19.3		0.25	1.00	ug/L
71-43-2	Benzene	19.6		0.15	1.00	ug/L
107-06-2	1,2-Dichloroethane	20.3		0.22	1.00	ug/L
79-01-6	Trichloroethene	18.9		0.090	1.00	ug/L
127-18-4	Tetrachloroethene	18.8		0.23	1.00	ug/L
108-90-7	Chlorobenzene	19.8		0.12	1.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	53.5		74 - 125	107%	SPK: 50
1868-53-7	Dibromofluoromethane	55.7		75 - 124	111%	SPK: 50
2037-26-5	Toluene-d8	49.7		86 - 113	99%	SPK: 50
460-00-4	4-Bromofluorobenzene	56.3		77 - 121	113%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	230000	5.556			
540-36-3	1,4-Difluorobenzene	386000	6.763			
3114-55-4	Chlorobenzene-d5	348000	10.055			
3855-82-1	1,4-Dichlorobenzene-d4	177000	12.018			

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

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX080825\
Data File : VX047267.D
Acq On : 08 Aug 2025 13:45
Operator : JC/MD
Sample : VX0808WBSD01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0808WBSD01

Quant Time: Aug 11 01:58:46 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072125W.M
Quant Title : SW846 8260
QLast Update : Tue Jul 22 03:59:51 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.556	168	229567	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	385678	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	348369	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	177274	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	153091	53.534	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 107.060%			
35) Dibromofluoromethane	5.391	113	132543	55.660	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 111.320%			
50) Toluene-d8	8.647	98	383381	49.714	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 99.420%			
62) 4-Bromofluorobenzene	11.079	95	186960	56.256	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 112.520%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.185	85	61621	20.209	ug/l	98
3) Chloromethane	1.313	50	54019	17.909	ug/l	97
4) Vinyl Chloride	1.392	62	64427	19.871	ug/l	94
5) Bromomethane	1.630	94	31072	17.642	ug/l	96
6) Chloroethane	1.709	64	38023	17.855	ug/l	98
7) Trichlorofluoromethane	1.904	101	92875	19.210	ug/l	100
8) Diethyl Ether	2.142	74	32353	18.979	ug/l	99
9) 1,1,2-Trichlorotrifluo...	2.349	101	55910	19.194	ug/l	98
10) Methyl Iodide	2.471	142	79286	26.708	ug/l	99
11) Tert butyl alcohol	2.953	59	31077	86.225	ug/l	96
12) 1,1-Dichloroethene	2.337	96	54026	18.726	ug/l	99
13) Acrolein	2.245	56	31504	51.164	ug/l	97
14) Allyl chloride	2.678	41	90826	17.416	ug/l	93
15) Acrylonitrile	3.075	53	132563	97.197	ug/l	99
16) Acetone	2.386	43	125310	109.384	ug/l	99
17) Carbon Disulfide	2.526	76	157267	18.843	ug/l	99
18) Methyl Acetate	2.715	43	62554	20.547	ug/l	98
19) Methyl tert-butyl Ether	3.123	73	174792	19.908	ug/l	98
20) Methylene Chloride	2.800	84	62729	19.904	ug/l	98
21) trans-1,2-Dichloroethene	3.105	96	55569	18.823	ug/l	97
22) Diisopropyl ether	3.770	45	196795	19.628	ug/l	97
23) Vinyl Acetate	3.727	43	803752	99.946	ug/l	99
24) 1,1-Dichloroethane	3.623	63	107441	19.270	ug/l	98
25) 2-Butanone	4.562	43	168855	101.227	ug/l	97
26) 2,2-Dichloropropane	4.483	77	82654	19.151	ug/l	99
27) cis-1,2-Dichloroethene	4.501	96	67031	19.174	ug/l	100
28) Bromochloromethane	4.910	49	54124	21.101	ug/l	98
29) Tetrahydrofuran	5.019	42	103591	96.250	ug/l	99
30) Chloroform	5.105	83	109616	19.314	ug/l	98
31) Cyclohexane	5.477	56	102012	19.082	ug/l	98
32) 1,1,1-Trichloroethane	5.397	97	94407	19.151	ug/l	99
36) 1,1-Dichloropropene	5.702	75	76037	18.732	ug/l	100
37) Ethyl Acetate	4.721	43	75538	20.196	ug/l	99
38) Carbon Tetrachloride	5.690	117	83312	19.230	ug/l	95
39) Methylcyclohexane	7.379	83	97865	19.310	ug/l	98
40) Benzene	6.044	78	230061	19.584	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX080825\
Data File : VX047267.D
Acq On : 08 Aug 2025 13:45
Operator : JC/MD
Sample : VX0808WBSD01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0808WBSD01

Quant Time: Aug 11 01:58:46 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072125W.M
Quant Title : SW846 8260
QLast Update : Tue Jul 22 03:59:51 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	4.928	41	37391	19.119	ug/l	#	95
42) 1,2-Dichloroethane	6.092	62	83886	20.272	ug/l		99
43) Isopropyl Acetate	6.348	43	116396	19.961	ug/l		99
44) Trichloroethene	7.129	130	57005	18.924	ug/l		92
45) 1,2-Dichloropropane	7.434	63	58503	19.884	ug/l		97
46) Dibromomethane	7.580	93	41478	20.104	ug/l		98
47) Bromodichloromethane	7.824	83	86863	19.780	ug/l		100
48) Methyl methacrylate	7.696	41	60148	18.935	ug/l		98
49) 1,4-Dioxane	7.714	88	14365	397.601	ug/l		97
51) 4-Methyl-2-Pentanone	8.574	43	354760	102.357	ug/l		99
52) Toluene	8.720	92	144373	19.988	ug/l		99
53) t-1,3-Dichloropropene	8.976	75	80676	19.454	ug/l		98
54) cis-1,3-Dichloropropene	8.366	75	87402	19.257	ug/l		97
55) 1,1,2-Trichloroethane	9.153	97	55204	20.379	ug/l		99
56) Ethyl methacrylate	9.116	69	83881	20.917	ug/l		98
57) 1,3-Dichloropropane	9.305	76	94487	20.070	ug/l		97
58) 2-Chloroethyl Vinyl ether	8.238	63	222096	99.525	ug/l		99
59) 2-Hexanone	9.427	43	242840	106.051	ug/l		100
60) Dibromochloromethane	9.519	129	66036	20.786	ug/l		100
61) 1,2-Dibromoethane	9.610	107	57129	20.169	ug/l		100
64) Tetrachloroethene	9.275	164	47247	18.813	ug/l		99
65) Chlorobenzene	10.079	112	161396	19.776	ug/l		100
66) 1,1,1,2-Tetrachloroethane	10.159	131	53999	19.653	ug/l		99
67) Ethyl Benzene	10.189	91	278875	19.544	ug/l		99
68) m/p-Xylenes	10.299	106	211294	39.569	ug/l		100
69) o-Xylene	10.640	106	102358	20.149	ug/l		99
70) Styrene	10.652	104	177607	20.389	ug/l		97
71) Bromoform	10.799	173	42763	20.488	ug/l	#	99
73) Isopropylbenzene	10.957	105	269103	19.241	ug/l		100
74) N-amyl acetate	10.841	43	104805	18.572	ug/l		99
75) 1,1,2,2-Tetrachloroethane	11.207	83	79373	19.868	ug/l		100
76) 1,2,3-Trichloropropane	11.238	75	64190m	19.563	ug/l		
77) Bromobenzene	11.195	156	65520	19.532	ug/l		98
78) n-propylbenzene	11.299	91	322463	19.294	ug/l		100
79) 2-Chlorotoluene	11.360	91	189952	19.013	ug/l		100
80) 1,3,5-Trimethylbenzene	11.451	105	223654	19.357	ug/l		99
81) trans-1,4-Dichloro-2-b...	11.018	75	15719	12.342	ug/l		97
82) 4-Chlorotoluene	11.451	91	229858	19.712	ug/l		99
83) tert-Butylbenzene	11.713	119	224170	19.330	ug/l		99
84) 1,2,4-Trimethylbenzene	11.750	105	227301	19.723	ug/l		100
85) sec-Butylbenzene	11.890	105	278818	19.242	ug/l		99
86) p-Isopropyltoluene	12.006	119	237125	19.734	ug/l		100
87) 1,3-Dichlorobenzene	11.969	146	124813	19.582	ug/l		99
88) 1,4-Dichlorobenzene	12.036	146	124958	19.350	ug/l		97
89) n-Butylbenzene	12.329	91	221174	19.627	ug/l		99
90) Hexachloroethane	12.536	117	41523	19.316	ug/l		98
91) 1,2-Dichlorobenzene	12.335	146	119028	19.539	ug/l		98
92) 1,2-Dibromo-3-Chloropr...	12.939	75	15882	20.711	ug/l		96
93) 1,2,4-Trichlorobenzene	13.585	180	79965	19.868	ug/l		99
94) Hexachlorobutadiene	13.719	225	28804	21.043	ug/l		98
95) Naphthalene	13.774	128	234350	19.861	ug/l		100
96) 1,2,3-Trichlorobenzene	13.957	180	75359	19.435	ug/l		98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX080825\
Data File : VX047267.D
Acq On : 08 Aug 2025 13:45
Operator : JC/MD
Sample : VX0808WBSD01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0808WBSD01

Quant Time: Aug 11 01:58:46 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072125W.M
Quant Title : SW846 8260
QLast Update : Tue Jul 22 03:59:51 2025
Response via : Initial Calibration

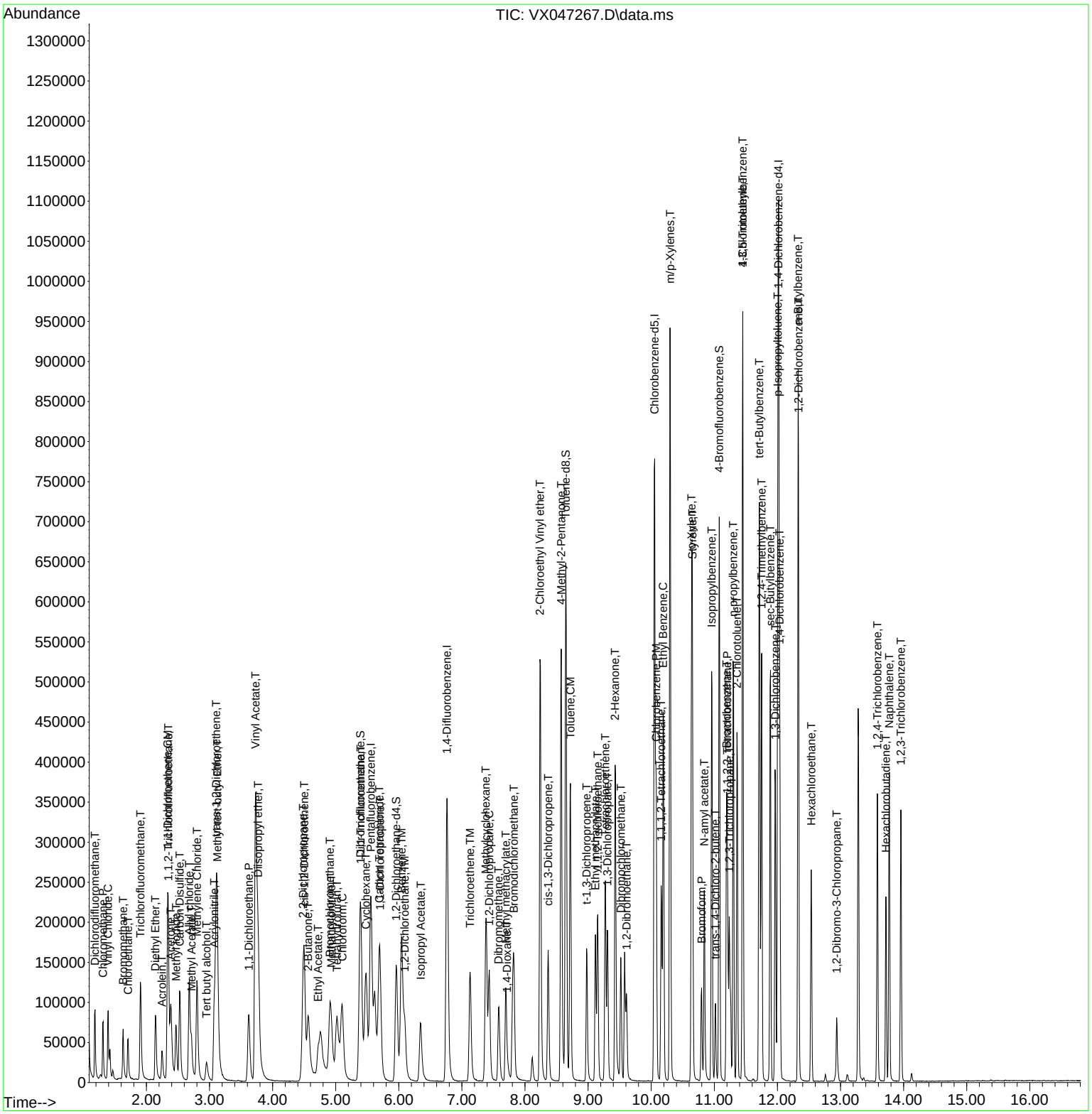
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX080825\
Data File : VX047267.D
Acq On : 08 Aug 2025 13:45
Operator : JC/MD
Sample : VX0808WBSD01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0808WBSD01

Quant Time: Aug 11 01:58:46 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072125W.M
Quant Title : SW846 8260
QLast Update : Tue Jul 22 03:59:51 2025
Response via : Initial Calibration



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

Manual Integration Report

Sequence:	VX072125	Instrument	MSVOA_x

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDICC001	VX047055.D	1,2,3-Trichloropropane	JOHN	7/22/2025 8:50:05 AM	MMDadoda	7/22/2025 1:41:01 PM	Peak Integrated by Software
VSTDICC001	VX047055.D	1,4-Dichlorobenzene	JOHN	7/22/2025 8:50:05 AM	MMDadoda	7/22/2025 1:41:01 PM	Peak Integrated by Software
VSTDICC001	VX047055.D	1,4-Dioxane	JOHN	7/22/2025 8:50:05 AM	MMDadoda	7/22/2025 1:41:01 PM	Peak Integrated by Software
VSTDICC001	VX047055.D	Ethyl Acetate	JOHN	7/22/2025 8:50:05 AM	MMDadoda	7/22/2025 1:41:01 PM	Peak Integrated by Software
VSTDICC001	VX047055.D	Methyl methacrylate	JOHN	7/22/2025 8:50:05 AM	MMDadoda	7/22/2025 1:41:01 PM	Peak Integrated by Software
VSTDICC001	VX047055.D	N-amyl acetate	JOHN	7/22/2025 8:50:05 AM	MMDadoda	7/22/2025 1:41:01 PM	Peak Integrated by Software
VSTDICC005	VX047056.D	1,2,3-Trichloropropane	JOHN	7/22/2025 8:50:10 AM	MMDadoda	7/22/2025 1:41:02 PM	Peak Integrated by Software
VSTDICC005	VX047056.D	Ethyl Acetate	JOHN	7/22/2025 8:50:10 AM	MMDadoda	7/22/2025 1:41:02 PM	Peak Integrated by Software
VSTDICC020	VX047057.D	1,2,3-Trichloropropane	JOHN	7/22/2025 8:50:18 AM	MMDadoda	7/22/2025 1:41:03 PM	Peak Integrated by Software
VSTDICCC050	VX047058.D	1,2,3-Trichloropropane	JOHN	7/22/2025 8:50:23 AM	MMDadoda	7/22/2025 1:41:05 PM	Peak Integrated by Software
VSTDICC100	VX047059.D	1,2,3-Trichloropropane	JOHN	7/22/2025 8:50:28 AM	MMDadoda	7/22/2025 1:41:08 PM	Peak Integrated by Software
VSTDICC150	VX047060.D	1,2,3-Trichloropropane	JOHN	7/22/2025 8:50:32 AM	MMDadoda	7/22/2025 1:41:09 PM	Peak Integrated by Software
VSTDICV050	VX047062.D	1,2,3-Trichloropropane	JOHN	7/22/2025 8:50:40 AM	MMDadoda	7/22/2025 1:41:11 PM	Peak Integrated by Software

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

Manual Integration Report

Sequence:	VX072125	Instrument	MSVOA_x

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDICV050	VX047062.D	1,4-Dioxane	JOHN	7/22/2025 8:50:40 AM	MMDadoda	7/22/2025 1:41:11 PM	Peak Integrated by Software

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

Manual Integration Report

Sequence:	VX080825	Instrument	MSVOA_x

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

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

Instrument ID: MSVOA_X

Daily Analysis Runlog For Sequence/QCBatch ID # VX072125

Review By	John Carlone	Review On	7/22/2025 8:51:02 AM		
Supervise By	Mahesh Dadoda	Supervise On	7/22/2025 1:41:20 PM		
SubDirectory	VX072125	HP Acquire Method		HP Processing Method	82X072125W.M

STD. NAME	STD REF.#
Tune/Reschk	VP134843
Initial Calibration Stds	VP134844,VP134845,VP134846,VP134847,VP134848,VP134849
CCC	
Internal Standard/PEM	
ICV/I.BLK	VP134850
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VX047054.D	21 Jul 2025 08:53	JC/MD	Ok
2	VSTDICC001	VX047055.D	21 Jul 2025 09:47	JC/MD	Ok,M
3	VSTDICC005	VX047056.D	21 Jul 2025 10:08	JC/MD	Ok,M
4	VSTDICC020	VX047057.D	21 Jul 2025 10:29	JC/MD	Ok,M
5	VSTDICCC050	VX047058.D	21 Jul 2025 10:50	JC/MD	Ok,M
6	VSTDICC100	VX047059.D	21 Jul 2025 11:11	JC/MD	Ok,M
7	VSTDICC150	VX047060.D	21 Jul 2025 11:32	JC/MD	Ok,M
8	IBLK	VX047061.D	21 Jul 2025 11:52	JC/MD	Ok
9	VSTDICV050	VX047062.D	21 Jul 2025 13:17	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 # VX080825

Review By		Review On			
Supervise By		Supervise On			
SubDirectory	VX080825	HP Acquire Method		HP Processing Method	82X072125W.M

STD. NAME	STD REF.#
Tune/Reschk	VP135056
Initial Calibration Stds	
CCC	VP135057,VP135058
Internal Standard/PEM	
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VX047262.D	08 Aug 2025 10:04	JC/MD	Ok
2	VSTDCCC050	VX047263.D	08 Aug 2025 11:04	JC/MD	Ok,NR
3	VX0808MBL01	VX047264.D	08 Aug 2025 11:30	JC/MD	Ok
4	VX0808WBL01	VX047265.D	08 Aug 2025 12:19	JC/MD	Ok
5	VX0808WBS01	VX047266.D	08 Aug 2025 13:16	JC/MD	Ok,NR
6	VX0808WBSD01	VX047267.D	08 Aug 2025 13:45	JC/MD	Ok,NR
7	PB169150TB	VX047268.D	08 Aug 2025 14:06	JC/MD	Ok
8	Q2779-04	VX047269.D	08 Aug 2025 14:27	JC/MD	Ok,NR
9	Q2779-08	VX047270.D	08 Aug 2025 14:48	JC/MD	Ok
10	Q2783-03	VX047271.D	08 Aug 2025 15:09	JC/MD	Ok
11	Q2798-04	VX047272.D	08 Aug 2025 15:30	JC/MD	Ok
12	Q2800-02	VX047273.D	08 Aug 2025 15:51	JC/MD	Ok
13	Q2791-01	VX047274.D	08 Aug 2025 16:12	JC/MD	ReRun
14	IBLK	VX047275.D	08 Aug 2025 16:33	JC/MD	Ok
15	Q2791-01	VX047276.D	08 Aug 2025 16:54	JC/MD	Ok,NR
16	IBLK	VX047277.D	08 Aug 2025 17:15	JC/MD	Ok
17	Q2812-01	VX047278.D	08 Aug 2025 17:36	JC/MD	Ok
18	Q2812-02	VX047279.D	08 Aug 2025 17:57	JC/MD	Ok
19	Q2812-03	VX047280.D	08 Aug 2025 18:18	JC/MD	Ok
20	Q2812-04	VX047281.D	08 Aug 2025 18:39	JC/MD	ReRun
21	VSTDCCC050	VX047282.D	08 Aug 2025 19:00	JC/MD	Ok,NR

M : Manual Integration

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Fax : 908 789 8922

Instrument ID: MSVOA_X

Daily Analysis Runlog For Sequence/QCBatch ID # VX072125

Review By	John Carlone	Review On	7/22/2025 8:51:02 AM		
Supervise By	Mahesh Dadoda	Supervise On	7/22/2025 1:41:20 PM		
SubDirectory	VX072125	HP Acquire Method		HP Processing Method	82X072125W.M

STD. NAME	STD REF.#
Tune/Reschk	VP134843
Initial Calibration Stds	VP134844,VP134845,VP134846,VP134847,VP134848,VP134849
CCC	
Internal Standard/PEM	
ICV/I.BLK	VP134850
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	BFB	BFB	VX047054.D	21 Jul 2025 08:53		JC/MD	Ok
2	VSTDICC001	VSTDICC001	VX047055.D	21 Jul 2025 09:47		JC/MD	Ok,M
3	VSTDICC005	VSTDICC005	VX047056.D	21 Jul 2025 10:08	Comp. #11 is on Linear Regression	JC/MD	Ok,M
4	VSTDICC020	VSTDICC020	VX047057.D	21 Jul 2025 10:29		JC/MD	Ok,M
5	VSTDICCC050	VSTDICCC050	VX047058.D	21 Jul 2025 10:50		JC/MD	Ok,M
6	VSTDICC100	VSTDICC100	VX047059.D	21 Jul 2025 11:11		JC/MD	Ok,M
7	VSTDICC150	VSTDICC150	VX047060.D	21 Jul 2025 11:32		JC/MD	Ok,M
8	IBLK	IBLK	VX047061.D	21 Jul 2025 11:52		JC/MD	Ok
9	VSTDICV050	ICVVX072125	VX047062.D	21 Jul 2025 13:17		JC/MD	Ok,M

M : Manual Integration

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Instrument ID: MSVOA_X

Daily Analysis Runlog For Sequence/QCBatch ID # VX080825

Review By		Review On			
Supervise By		Supervise On			
SubDirectory	VX080825	HP Acquire Method		HP Processing Method	82X072125W.M

STD. NAME	STD REF.#
Tune/Reschk	VP135056
Initial Calibration Stds	
CCC	VP135057,VP135058
Internal Standard/PEM	
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	BFB	BFB	VX047262.D	08 Aug 2025 10:04		JC/MD	Ok
2	VSTDCCC050	VSTDCCC050	VX047263.D	08 Aug 2025 11:04		JC/MD	Ok,NR
3	VX0808MBL01	VX0808MBL01	VX047264.D	08 Aug 2025 11:30		JC/MD	Ok
4	VX0808WBL01	VX0808WBL01	VX047265.D	08 Aug 2025 12:19		JC/MD	Ok
5	VX0808WBS01	VX0808WBS01	VX047266.D	08 Aug 2025 13:16		JC/MD	Ok,NR
6	VX0808WBSD01	VX0808WBSD01	VX047267.D	08 Aug 2025 13:45		JC/MD	Ok,NR
7	PB169150TB	PB169150TB	VX047268.D	08 Aug 2025 14:06		JC/MD	Ok
8	Q2779-04	TP-4	VX047269.D	08 Aug 2025 14:27		JC/MD	Ok,NR
9	Q2779-08	TP-5	VX047270.D	08 Aug 2025 14:48		JC/MD	Ok
10	Q2783-03	RT5414	VX047271.D	08 Aug 2025 15:09		JC/MD	Ok
11	Q2798-04	TP-6	VX047272.D	08 Aug 2025 15:30		JC/MD	Ok
12	Q2800-02	VNJ-222	VX047273.D	08 Aug 2025 15:51		JC/MD	Ok
13	Q2791-01	SLUDGE	VX047274.D	08 Aug 2025 16:12	Surrogate fail	JC/MD	ReRun
14	IBLK	IBLK	VX047275.D	08 Aug 2025 16:33		JC/MD	Ok
15	Q2791-01	SLUDGE	VX047276.D	08 Aug 2025 16:54		JC/MD	Ok,NR
16	IBLK	IBLK	VX047277.D	08 Aug 2025 17:15		JC/MD	Ok
17	Q2812-01	STORAGE-BLANK-SO	VX047278.D	08 Aug 2025 17:36		JC/MD	Ok
18	Q2812-02	STORAGE-BLANK-WA	VX047279.D	08 Aug 2025 17:57		JC/MD	Ok

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Instrument ID: MSVOA_X

Daily Analysis Runlog For Sequence/QCBatch ID # VX080825

Review By		Review On			
Supervise By		Supervise On			
SubDirectory	VX080825	HP Acquire Method		HP Processing Method	82X072125W.M

STD. NAME	STD REF.#
Tune/Reschk	VP135056
Initial Calibration Stds	
CCC	VP135057,VP135058
Internal Standard/PEM	
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

19	Q2812-03	STORAGE-BLANK-WA	VX047280.D	08 Aug 2025 18:18		JC/MD	Ok
20	Q2812-04	STORAGE-BLANK-SAI	VX047281.D	08 Aug 2025 18:39	Surrogate fail	JC/MD	ReRun
21	VSTDCCC050	VSTDCCC050EC	VX047282.D	08 Aug 2025 19:00		JC/MD	Ok,NR

M : Manual Integration

Alliance TECHNICAL GROUP

TCLP EXTRACTION LOGPAGE

PB169150

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 : 08/07/2025 **Time :** 15:40

End Prep Date : 08/08/2025 **Time :** 09:35

Combination Ratio : 20

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

Initial Room Temperature: 23 °C

Final Room Temperature: 22 °C

TCLP Technician Signature : JP

Supervisor By : JC

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	WP112804
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	430992	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.

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
08/08/25 10:40	JP / Cool Room	JC / VOC Lab
	Preparation Group	Analysis Group

Alliance TECHNICAL GROUP

TCLP EXTRACTION LOGPAGE

PB169150

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
PB169150TB	LEB150	07	N/A	500	N/A	N/A	N/A	4.94	N/A	ZHE-1
Q2779-04	TP-4	01	25.02	500	N/A	N/A	N/A	N/A	N/A	ZHE-1
Q2779-08	TP-5	02	25.03	500	N/A	N/A	N/A	N/A	N/A	ZHE-1
Q2783-03	RT5414	03	25.04	500	N/A	N/A	N/A	N/A	N/A	ZHE-1
Q2791-01	SLUDGE	04	25.02	500	N/A	N/A	N/A	N/A	N/A	ZHE-1
Q2798-04	TP-6	05	25.02	500	N/A	N/A	N/A	N/A	N/A	ZHE-1
Q2800-02	VNJ-222	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
PB169150TB	LEB150	N/A	N/A	N/A	N/A	N/A	N/A
Q2779-04	TP-4	N/A	N/A	N/A	N/A	100	N/A
Q2779-08	TP-5	N/A	N/A	N/A	N/A	100	N/A
Q2783-03	RT5414	N/A	N/A	N/A	N/A	100	N/A
Q2791-01	SLUDGE	N/A	N/A	N/A	N/A	100	N/A
Q2798-04	TP-6	N/A	N/A	N/A	N/A	100	N/A
Q2800-02	VNJ-222	N/A	N/A	N/A	N/A	N/A	N/A

WORKLIST(Hardcopy Internal Chain)

WorkList Name : tclp zhe q2791 **WorkList ID :** 191153 **Department :** TCLP Extraction **Date :** 08-07-2025 12:23:06

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q2779-04	TP-4	Solid	TCLP ZHE Extraction	Cool 4 deg C	PSEG03	I63	08/06/2025	1311 ZHE
Q2779-08	TP-5	Solid	TCLP ZHE Extraction	Cool 4 deg C	PSEG03	I63	08/06/2025	1311 ZHE
Q2783-03	RT5414	Solid	TCLP ZHE Extraction	Cool 4 deg C	PSEG03	D41	08/06/2025	1311 ZHE
Q2791-01	SLUDGE	Solid	TCLP ZHE Extraction	Cool 4 deg C	ARAM01	J23	08/07/2025	1311 ZHE
Q2798-04	TP-6	Solid	TCLP ZHE Extraction	Cool 4 deg C	PSEG03	D21	08/07/2025	1311 ZHE
Q2800-02	VNJ-222	Solid	TCLP ZHE Extraction	Cool 4 deg C	PSEG03	D31	08/07/2025	1311 ZHE

Date/Time 08/07/25 SB 15:30

Raw Sample Received by: SB (WC)

Raw Sample Relinquished by: SM

Date/Time 08/07/25 18:00

Raw Sample Received by: SM

Raw Sample Relinquished by: SB (WC)

SHIPPING DOCUMENTS

Alliance TECHNICAL GROUP

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

ALLIANCE PROJECT NO. Q 2791
QUOTE NO.
COC Number 2045371

CLIENT INFORMATION

REPORT TO BE SENT TO:
COMPANY: Aramark Uniforms
ADDRESS: 740 Frelinghuysen Ave.
CITY Newark STATE: NJ ZIP: 07114
ATTENTION: Tom Dikos
PHONE: 973-824-1101 FAX:

CLIENT PROJECT INFORMATION

PROJECT NAME: Monthly
PROJECT NO.: LOCATION:
PROJECT MANAGER:
e-mail:
PHONE: FAX:

CLIENT BILLING INFORMATION

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

DATA TURNAROUND INFORMATION

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

DATA DELIVERABLE INFORMATION

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

ANALYSIS

1: TCLP BNA
2: TCLP VOA
3: TCLP TCP Metals
4:
5:
6:
7:
8:
9:

ALLIANCE 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.	Sludge	S		✓	8-7-25	1013	4	✓	✓	✓							
2.																	
3.																	
4.																	
5.																	
6.																	
7.																	
8.																	
9.																	
10.																	

E E E

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

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

RELINQUISHED BY SAMPLER:	DATE/TIME:	RECEIVED BY:
1. Tom Dikos	8-7-25	1. 8-7-25
RELINQUISHED BY SAMPLER: 2.	DATE/TIME:	RECEIVED BY: 2.
RELINQUISHED BY SAMPLER: 3.	DATE/TIME: 1518 8-7-25	RECEIVED BY: 3.

Conditions of bottles or coolers at receipt: ❑ COMPLIANT ❑ NON COMPLIANT ❑ COOLER TEMP 3-3 °C
Comments:

Page _____ of

CLIENT: ❑ Hand Delivered ❑ Other _____

Shipment Complete ❑ YES ❑ NO

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

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

Laboratory Certification

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

QA Control Code: A2070148